ISSN: 0090-1423

NATIONAL LIBRARY of MEDICINE

CUMULATED INDEX MEDICUS

VOLUME 23, 1982

SUBJECT INDEX Cy-Fo

U.S. DEPARTMENT OF HEALTH AND HUMAN SERVICES
Public Health Service
National Institutes of Health

NATIONAL LIBRARY OF MEDICINE
8600 Rockville Pike
Bethesda, Maryland 20209

NIH Publication No. 83-259

National Library of Medicine Cataloging in Publication

ZW
1
I384

Cumulated Index medicus. -- Vol. 1 (Jan.-Dec. 1960)- . --
Chicago : American Medical Association ; Washington, D.C. :
Supt. of Docs., U.S. G.P.O. [distributor], 1961-
v.
Vols. for 1965- issued by the National Library of Medicine.
Continues Quarterly cumulative Index medicus.
Annual cumulation of the monthly issues of Index medicus.
Vols. for 1971-1978 issued as DHEW publication ; no. (NIH) 72-259, etc.; for 1979- as NIH publication ; no. 80-259, etc.
Issues for 1967- include Bibliography of medical reviews.
ISSN 0090-1423 = Cumulated Index medicus.

1. Bibliography of Medicine 2. Medicine - indexes I. American Medical Association. II. National Library of Medicine (U.S.) III. Title: Bibliography of medical reviews IV. Title: Index medicus V. Series: DHEW publication ; no. (NIH) 72-259, etc. VI. Series: NIH publication ; no. 80-259, etc.

© All or portions of this publication are protected against copying or other reproduction outside of the United States in accordance with the provisions of Article II of the Universal Copyright Convention.

For sale by the Superintendent of Documents, U.S. Government Printing Office
Washington, D.C. 20402

CUMULATED INDEX MEDICUS
CONTENTS

Book 1

PREFACE

INTRODUCTION

ACCESS TO ARTICLES CITED

MEDICAL SUBJECT HEADINGS (Contents) III

Book 2

JOURNALS INDEXED—Abbreviation Listing 889

Full Title Listing 957

BIBLIOGRAPHY OF MEDICAL REVIEWS—

Subject Index 1033

CUMULATED INDEX MEDICUS—

Author Index A-Bs 1381

Book 3	Author Index Bu-Gs
Book 4	Author Index Gu-L
Book 5	Author Index M-R
Book 5	Author Index S-Z
Book 7	Subject Index A-Bli
Book 8	Subject Index Blo-Cu
Book 9	Subject Index Cy-Fo
Book 10	Subject Index Fr-Ins
Book 11	Subject Index Int-Moh
Book 12	Subject Index Mol-Pi
Book 13	Subject Index Pl-Sk
Book 14	Subject Index Sl-Z

Araszkiewicz Z, et al. **Pneumonol Pol** 1981 Jan;49(1):57–60 (Eng. Abstr.) **(Pol)**

[Mediastinal widening in pseudo-tumoral adrenocortical hyperfunction (author's transl)] Zaluska J, et al. **Pol Przegl Radiol** 1981 Jan–Feb;45(1).23–6 (Eng. Abstr.) **(Pol)**

[Diagnostic syndrome value of pneumoretroperitoneum in the Itsenko–Cushing] Trofimov VM, et al. **Vestn Khir** 1982 Apr;128(4):15–9 **(Rus)**

[Comparative evaluation of the state of the adrenals in Itsenko—Cushing disease based on diagnostic pneumoretroperitoneum and morphological data] Tiurin EI, et al. **Vestn Rentgenol Radiol** 1981 Nov–Dec;(6):49–53 (Eng. Abstr.) **(Rus)**

RADIONUCLIDE IMAGING

A new adrenal computer imaging technique using dual-radioisotopes. Ohashi T, et al. **Acta Med Okayama** 1981 Jun;35(3):165–72

[75Se]Selenomethylcholesterol uptake in familial congenital Cushing's. Shapiro B, et al. **J Nucl Med** 1982 Sep; 23(9):799–800

RADIOTHERAPY

Successful treatment of Cushing's disease using yttrium-90 rods. White MC, et al. **Br Med J [Clin Res]** 1982 Jul 24; 285(6337):280–2

Multiple endocrine adenomatosis with Cushing's disease and the amenorrhea–galactorrhea syndrome responsive to proton beam irradiation. Vesely DL, et al. **South Med J** 1981 Sep;74(9):1147–9

SURGERY

The recovery of the hypothalamo–pituitary–adrenal axis after transsphenoidal operation in three patients with Cushing's disease. The effect of prior external pituitary irradiation. Lamberts SW, et al. **Acta Endocrinol (Copenh)** 1981 Dec; 98(4):580–5

Cushing's syndrome. Analysis of 18 cases. Skalkeas G, et al. **Am J Surg** 1982 Mar;143(3):363–6

Cushing's disease and Nelson's syndrome. Wilson CB, et al. **Clin Neurosurg** 1980;27:19–30

Residual adrenocortical function after bilateral adrenalectomy [letter] **Lancet** 1982 Jan 23;1(8265):219–20

Residual adrenocortical function after bilateral 'total' adrenalectomy for Cushing's disease. Chalmers RA, et al. **Lancet** 1981 Nov 28;2(8257):1196–9

Residual adrenocortical function after bilateral adrenalectomy for Cushing's disease [letter] Chalmers RA, et al. **Lancet** 1982 Mar 6;1(8271):565–6

Development of pseudotumor cerebri after the removal of an adrenocorticotropic hormone-secreting pituitary adenoma: case report. Martin NA, et al. **Neurosurgery** 1981 Jun;8(6):699–702

[Important aspects of the surgical treatment of hormone-active adrenal tumors] Burgkhardt M, et al. **Z Arztl Fortbild (Jena)** 1981 Dec 1;75(23):1100–2 **(Ger)**

THERAPY

Therapeutic adrenal venous infarction in ACTH-dependent Cushing's syndrome. Rosenstock J, et al. **Br J Radiol** 1981 Oct;54(646):912–5

Follow-up study on treatment in 27 patients with Cushing's disease: adrenalectomy, transsphenoidal adenomectomy and medical treatment. Tomita A, et al. **Endocrinol Jpn** 1981 Apr;28(2):197–205

Cushing's disease: transient secondary adrenal insufficiency after selective removal of pituitary microadenomas; evidence for a pituitary origin. Fitzgerald PA, et al. **J Clin Endocrinol Metab** 1982 Feb;54(2):413–22

Steroid replacement in Addison's disease and in subjects adrenalectomized for Cushing's disease: comparison of various glucocorticoids. Khalid BA, et al. **J Clin Endocrinol Metab** 1982 Sep;55(3):551–9

[Surgical treatment in Cushing's disease (authors' translation)] Basso A, et al. **Neurochirurgie** 1981;27(3):173–9 (Eng. Abstr.) **(Fre)**

URINE

A rise in the glomerular filtration rate as the cause of a 'paradoxical' increase in urinary free cortisol during dexamethasone suppression in a patient with an adrenal adenoma: a case report. Haigh SE, et al. **Clin Endocrinol (Oxf)** 1981 Jul;15(1):53–6

VETERINARY

Comparison of the steroid-induced, intestinal, and hepatic isoenzymes of alkaline phosphatase in the dog. Wellman ML, et al. **Am J Vet Res** 1982 Jul;43(7):1204–7

Immunoassay for the steroid-induced isoenzyme of alkaline phosphatase in the dog. Wellman ML, et al. **Am J Vet Res** 1982 Jul;43(7):1200–3

Equine Cushing's disease: plasma immunoreactive proopiolipomelanocortin peptide and cortisol levels basally and in response to diagnostic tests. Orth DN, et al. **Endocrinology** 1982 Apr;110(4):1430–41

Bioactive and immunoreactive adrenocorticotropin in normal equine pituitary and in pituitary tumors of horses with Cushing's disease. Orth DN, et al. **Endocrinology** 1982 Aug; 111(2):559–63

Proopiolipomelanocortin peptides in normal pituitary, pituitary tumor, and plasma of normal and Cushing's horses. Wilson MG, et al. **Endocrinology** 1982 Mar; 110(3):941–54

Plasma cortisol response to exogenous ACTH in 22 dogs with hyperadrenocorticism caused by adrenocortical neoplasia. Peterson ME, et al. **J Am Vet Med Assoc** 1982 Mar 1;180(5):542–4

Hypoadrenocorticism following therapy with o,p-DDD for hyperadrenocorticism in four dogs. Willard MD, et al. **J Am Vet Med Assoc** 1982 Mar 15;180(6):638–41

Cushing syndrome in dogs: treatment with bromocriptine and cyproheptadine. Richkind M. **VM SAC** 1981 Sep; 76(9):1301–4

CUSPID

A case of an intranasal canine tooth. Johnson AP. **J Laryngol Otol** 1981 Dec;95(12):1277–9

Acid-etch canine riser occlusal treatment. Thayer KE, et al. **J Prosthet Dent** 1981 Aug;46(2):149–52

[Caries of the frontal teeth in schoolchildren] Tristen' KS, et al. **Stomatologiia (Mosk)** 1982 May–Jun;61(3):78–80 (Eng. Abstr.) **(Rus)**

ABNORMALITIES

Birooted bilateral maxillary primary canines. Bimstein E, et al. **ASDC J Dent Child** 1982 May–Jun;49(3):217–8

Endodontic therapy associated with a case of cuspid gigantism. Bellizzi R. **Oral Surg** 1982 Feb;53(2):198–202

[Late treatment results in canine supraclusion] Dubivko SA, et al. **Stomatologiia (Mosk)** 1982 Mar–Apr;(2):49–51 (Eng. Abstr.) **(Rus)**

ANATOMY & HISTOLOGY

The incidence of dentinal tubules containing more than one process in the cuspal dentin of cat canine teeth. Holland GR. **Anat Rec** 1981 Aug;200(4):437–42

An analysis of the canine tooth size of old world higher primates in relation to mandibular length and body weight. Lucas PW. **Arch Oral Biol** 1982;27(6):493–6

Scaling of sexual dimorphism in body weight and canine size in primates. Leutenegger W. **Folia Primatol (Basel)** 1982; 37(3–4):163–76

INJURIES

Traumatic dental injuries in a sample of Dominican schoolchildren. García-Godoy F, et al. **Community Dent Oral Epidemiol** 1981 Aug;9(4):193–7

Unusual gunshot wound resolved by standard apicoectomy procedure. Herten-Greaven CW. **Oral Surg** 1982 Mar; 53(3):327

[Esthetic problems due to functionally injured upper front teeth] Krüger W. **Dtsch Zahnarztl Z** 1981 Jul;36(7):425–8 (Eng. Abstr.) **(Ger)**

[Cuspid displaced into the maxillary sinus as a result of a minor injury] Balás G, et al. **Fogorv Sz** 1981 Sep;74(9):281–2 **(Hun)**

INNERVATION

Increased levels of Met-enkephalin-like material in the CSF of anaesthetized cats after tooth pulp stimulation. Cesselin F, et al. **Brain Res** 1982 Apr 15;237(2):325–38

Each canine tooth projects to all brain stem trigeminal nuclei in cat. Westrum LE, et al. **Exp Neurol** 1981 Dec; 74(3):787–99

PATHOLOGY

A case of supernumerary cuspid. Kobayashi S, et al. **Acta Med Okayama** 1981 Dec;35(6):421–5

Apical resorption of a maxillary lateral incisor from a misplaced canine in a 17 year old. A case report. Brown ID, et al. **Br J Orthod** 1981 Jan;8(1):3–5

Retraction of canines with axial control using extra-oral traction. Davis HD, et al. **Br J Orthod** 1981 Jan;8(1):23–30

A migratory mandibular canine. Kerr WJ. **Br J Orthod** 1982 Apr;9(2):111–2

Whip arch modification. McCartney TI. **Br J Orthod** 1981 Jan;8(1):37–8

PHYSIOLOGY

The effects of sympathetic trunk stimulation on the position and mobility of the canine tooth of the cat. Aars H, et al. **Arch Oral Biol** 1982;27(5):399–404

Canine eruption into grafted bone in maxillary alveolar cleft defects. El Deeb M, et al. **Cleft Palate J** 1982 Jan;19(1):9–16

PHYSIOPATHOLOGY

Presurgical recovery of palatally impacted canines. Easthope DW. **Aust Dent J** 1982 Apr;27(2):94–7

Bilateral transmigration of mandibular canines. Joshi MR, et al. **Br J Orthod** 1982 Jan;9(1):57–8

Eruption of maxillary canines. Olow-Nordenram M, et al. **Scand J Dent Res** 1982 Feb;90(1):1–8

RADIOGRAPHY

An unusual antral mass. Brady J. **Br J Oral Surg** 1982 Jun; 20(2):147

SURGERY

The case against early extraction of mandibular primary canines. Atkinson CD. **J Am Dent Assoc** 1982 Mar; 104(3):302–4

[Neo-alveolar reimplantation of cuspids] Bullens R, et al. **Acta Stomatol Belg** 1981;78(2):95–105 **(Dut)**

[Impacted cuspid in the maxilla] Baart JA. **Rev Belge Med Dent** 1981 Nov;36(6):264–7 **(Dut)**

TRANSPLANTATION

Two stage maxillary canine transplantation. McBride LJ, et al. **Br J Orthod** 1982 Jan;9(1):48–50

CUSTODIAL CARE

The appropriateness of care-only for some institutional patients. Birnbach D. **Hosp Community Psychiatry** 1982 Jan;33(1):61–2

ECONOMICS

Attendance allowances for the disabled. Where to draw the line. Brahams D. **Practitioner** 1981 Nov;225(1361):1537–8

ORGANIZATION & ADMINISTRATION

Respite care for mentally retarded and other disabled populations: programs models and family needs. Upshur CC. **Ment Retard** 1982 Feb;20(1):2–6

Personal care attendants: key to living independently. Smith NK, et al. **Rehabil Lit** 1981 Sep–Oct;42(9–10):258–65

CUTIS LAXA

COMPLICATIONS

Cutis laxa and hollow viscus diverticula. Janik JS, et al. **J Pediatr Surg** 1982 Jun;17(3):318–20

CONGENITAL

Congenital cutis laxa associated with exocrine pancreatic insufficiency. Kocoshis SA, et al. **J Clin Gastroenterol** 1981; 3 Suppl 1:69–71

FAMILIAL & GENETIC

The Patterson syndrome, leprechaunism, and pseudoleprechaunism. David TJ, et al. **J Med Genet** 1981 Aug;18(4):294–8

Cutis laxa. Brown FR 3d, et al. **Johns Hopkins Med J** 1982 Apr;150(4):148–53

CYANAMIDE see under **CYANIDES**

CYANATES

Toxicology, industrial hygiene and medical control of TDI, MDI and PMPPI. Woolrich PF. **Am Ind Hyg Assoc J** 1982 Feb;43(2):89–97 (33 ref.)

Occupational hypersensitivity pneumonitis after exposure to diphenylmethane diisocyanate. Malo JL, et al. **Am Rev Respir Dis** 1982 Jan;125(1):113–6

Preparation of hemoglobin carbamylated at specific NH2-terminal residues. Manning JM. **Methods Enzymol** 1981;76:159–67

ADVERSE EFFECTS

Acquired persistent increase in nonspecific bronchial reactivity associated with isocyanate exposure. Cockcroft DW. **Ann Allergy** 1982 Feb;48(2):93–5

Isophorone diisocyanate induced respiratory disease (IPDI). Clarke CW, et al. **Aust NZ J Med** 1981 Jun;11(3):290–2

Contact dermatitis from silver fulminate-fulminate itch. White IR, et al. **Contact Dermatitis** 1982 May;8(3):159–63

Occupational asthma Hurst DJ. **J Lab Clin Med** 1982 May; 99(5):611–4

An animal model of occupational immunologic asthma due to diphenylmethane diisocyanate, with multiple systemic immunologic responses. Patterson R, et al. **J Lab Clin Med** 1982 May;99(5):615–23

Diverse profiles of immunoreactivity in toluene diisocyanate (TDI) asthma. Gallagher JS, et al. **JOM** 1981 Sep; 23(9):610–6

[Delayed asthma on diphenylmethane diisocyanate (MDI). The importance of a professional history. The utility and danger of the inhalation tests. Apropos five cases] Lob M, et al. **Schweiz Med Wochenschr** 1981 Jan 31;111(5):150–4 (Eng. Abstr.) **(Fre)**

[Attacks of dyspnea and frequent asthma episodes in a painter using sprays] Baur X. **Internist (Berlin)** 1982 Mar; 23(3):171–3 **(Ger)**

[Lung function and other health parameters in employees of an isocyananide plant (MDI production)] Diller WF, et al. **Zentralbl Arbeitsmed Arbeitsschutz Prophyl Ergonomie** 1982 Apr;32(4):128–37 **(Ger)**

[Long-term study of workers with asthma caused by polyurethane resins] Innocenti A, et al. **Med Lav** 1981 May–Jun;72(3):231–7 (Eng. Abstr.) **(Ita)**

[Cardiovascular system changes in workers in toluene diisocyanate manufacture] Sharonova ZV, et al. **Gig Tr Prof Zabol** 1982 Jan;(1):16–9 (Eng. Abstr.) **(Rus)**

[Occupational asthma due to diisocyanate inhalation (author's

transl)] Beritić T, et al. **Lijec Vjesn** 1981 Oct;103(10):442–6 (Eng. Abstr.) **(Scr)**

ANALYSIS

Procedures for the analysis of cyanogen bromide-activated Sepharose or Sephadex by quantitative determination of cyanate esters and imidocarbonates. Kohn J, et al. **Anal Biochem** 1981 Aug;115(2):375–82

Liquid chromatographic determination of dimethyl formamide, methylene bisphenyl isocyanate and methylene bisphenyl amine in air samples. Lipski K. **Ann Occup Hyg** 1982;25(1):1–4

CHEMICAL SYNTHESIS

[Lung function and other health parameters in employees of an isocyananide plant (MDI production)] Diller WF, et al. **Zentralbl Arbeitsmed Arbeitsschutz Prophyl Ergonomie** 1982 Apr;32(4):128–37 **(Ger)**

IMMUNOLOGY

Survey of industrial workers for antibodies to toluene diisocyanate. Karol MH. **JOM** 1981 Nov;23(11):741–7

ISOLATION & PURIFICATION

Cyanate from alkaline hydrolysis of cyanogen bromide-activated polysaccharides. Hseu TH, et al. **Anal Biochem** 1981 Sep 1;116(1):181–4

PHARMACODYNAMICS

Mechanism of action of gastric secretory inhibitors: effects of SCN-, OCN-, NO-2, and NH+4 on (H+ + K+)-ATPase-mediated transport of H+ inside gastric microsomal vesicles. Nandi J, et al. **Arch Biochem Biophys** 1982 Jun;216(1):259–71

Release of mitochondrial respiratory control by cyanate salts. Cammer W. **Biochim Biophys Acta** 1982 Feb 17; 679(2):343–6

Effects of cyanate on the distribution of isotope-labeled H2O and extracellular markers in rat liver and tumors. Lea MA, et al. **Cancer Res** 1981 Dec;41(12 Pt 1):4988–92

Specific inhibition of contact sensitivity in the guinea pig following tolylene diisocyanate inhalation. Doe JE, et al. **Int Arch Allergy Appl Immunol** 1982;68(3):275–9

Effect of sodium cyanate on Trypanosoma cruzi in culture. Nadler JP, et al. **Trans R Soc Trop Med Hyg** 1981; 75(5):710–2

POISONING

Warfarin binding to plasma of workers exposed to toluene diisocyanate. Bachmann K, et al. **Int J Clin Pharmacol Ther Toxicol** 1982 Feb;20(2):47–50

Isocyanate-induced pulmonary diseases: a current perspective. Bernstein IL. **J Allergy Clin Immunol** 1982 Jul;70(1):24–31 (45 ref.)

[Acute intoxication by organic isocyanates] Smirnov V, et al. **Harefuah** 1981 Jun 1;100(11):520–3 (Eng. Abstr.) **(Heb)**

THERAPEUTIC USE

Preliminary studies of continuous extracorporeal carbamylation in the treatment of sickle cell anemia. Balcerzak SP, et al. **J Lab Clin Med** 1982 Sep;100(3):345–55

Clinical studies of a continuous extracorporeal cyanate treatment system for patients with sickle cell disease. Lee MY, et al. **J Lab Clin Med** 1982 Sep;100(3):334–44

TOXICITY

Inhibition of cholinesterase activity by isocyanates. Brown WE, et al. **Toxicol Appl Pharmacol** 1982 Mar 30;63(1):45–52

URINE

Chromatographic study of hexamethylene diisocyanate cross-linked polypeptides in normal Nigerians. Sodipo JO, et al. **Afr J Med Med Sci** 1980 Sep–Dec;9(3–4):85–8

CYANIDES

Cyanamide mediated syntheses of peptides containing histidine and hydrophobic amino acids. Hawker JR Jr, et al. **J Mol Evol** 1981;17(5):285–94

Enzymatic characterization of peptidic materials isolated from aqueous solutions of ammonium cyanide (pH 9) and hydrocyanic acid (pH 6) exposed to ionizing radiation. Niketic V, et al. **J Mol Evol** 1982;18(2):130–6

ADMINISTRATION & DOSAGE

Effects of routes of administration on the cyanide concentration distribution in the various organs of cyanide-intoxicated rats. Yamamoto K, et al. **Tohoku J Exp Med** 1982 May;137(1):73–8

[Combined effect of carbon monoxide and potassium cyanide on intracellular oxidation-reduction in rabbit kidney in situ (author's transl)] Takano T, et al. **Nippon Eiseigaku Zasshi** 1981 Dec;36(5):811–5 **(Jpn)**

ADVERSE EFFECTS

Contact dermatitis from cyanide plating solutions. Mathias CG. **Arch Dermatol** 1982 Jun;118(6):420–2

Allergic contact dermatitis to cyanamide (carbodiimide). Conde-Salazar L, et al. **Contact Dermatitis** 1981 Nov; 7(6):329–30

Neurotoxicity in relation to tropical peripheral neuropathy: a re-appraisal. Bahemuka M. **East Afr Med J** 1981 Jul; 58(7):478–83

ANALYSIS

Direct fluorometric determination of cyanide in human materials. Suzuki O, et al. **Forensic Sci Int** 1982 Mar–Apr; 19(2):189–95

Detoxification of cassava leaves by simple traditional methods. Maduagwu EN, et al. **Toxicol Lett** 1982 Feb; 10(2–3):245–8

[Cyanide content in the juice of sour bamboo shoot (author's transl)] Chu JM, et al. **Chung Hua Yu Fang I Hsueh Tsa Chih** 1981 Jan;15(1):25–6 **(Chi)**

[Determination of cyanide in soil and waste] Horvath A, et al. **Z Gesamte Hyg** 1982 Feb;28(2):101–5 (Eng. Abstr.) **(Ger)**

ANTAGONISTS & INHIBITORS

Behavioural, electroencephalographic and histological study of the protective effect of etomidate against histotoxic dysoxia produced by cyanide. Ashton D, et al. **Arch Int Pharmacodyn Ther** 1981 Dec;254(2):196–213

Comparison of hydroxylamine, 4-dimethylaminophenol and nitrite protection against cyanide poisoning in mice. Kruszyna R, et al. **Arch Toxicol** 1982 Mar;49(3–4):191–202

BLOOD

The kinetics of cyanide binding by human erythrocyte catalase. Palcic MM, et al. **Arch Biochem Biophys** 1981 Oct 1;211(1):245–52

Sodium nitroprusside and cyanide release: reasons for re-appraisal. Bisset WI, et al. **Br J Anaesth** 1981 Oct; 53(10):1015–8

Studies on cyanide and thiocyanate in uraemia. Yatzidis H, et al. **Int J Artif Organs** 1981 Mar;4(2):60–1

The role of erythrocytes in cyanide detoxification. McMillan DE, et al. **J Pharmacol Exp Ther** 1982 Apr;221(1):37–42

METABOLISM

Spectroscopic studies on bleomycin-iron complexes with carbon monoxide, nitric oxide, isocyanide, azide, and cyanide and comparison with iron-porphyrin complexes. Sugiura Y, et al. **Biochim Biophys Acta** 1982 May 5; 716(1):38–44

The metabolism of cyanide and the gastrointestinal circulation of the resulting thiocyanate under conditions of chronic cyanide intake in the rat. Okoh PN, et al. **Can J Physiol Pharmacol** 1982 Mar;60(3):381–6

The kinetics of ligand binding for diverse mammalian myoglobins and the effects of substitutions outside the heme cavity. Goss DJ, et al. **Comp Biochem Physiol [B]** 1982; 71(2):229–33

Metabolism of succinonitrile in liver: studies on the systems involved in cyanide release. Floreani M, et al. **Eur J Drug Metab Pharmacokinet** 1981;6(2):135–40

Ligand binding to the blue copper center of horse liver alcohol dehydrogenase. Maret W, et al. **FEBS Lett** 1981 Dec 21;136(1):72–4

Cyanide metabolism. Vennesland B, et al. **Fed Proc** 1982 Aug; 41(10):2639–48

Trapping of metabolically generated electrophilic species with cyanide ion: metabolism of methapyrilene. Ziegler R, et al. **J Med Chem** 1981 Oct;24(10):1133–8

[Hydrogen cyanide: losses in samples of stored blood (author's transl)] Goenechea S. **Z Rechtsmed** 1982; 88(1–2):97–101 (Eng. Abstr.) **(Ger)**

[Metabolisms of cyanide in amyotrophic lateral sclerosis (author's transl)] Inada M, et al. **No To Shinkei** 1982 Jan; 34(1):23–31 **(Jpn)**

[Metabolic studies of cyanide compounds in workers of the electroplating department at the Diora Radio Receiver Plant] Knapik Z, et al. **Gig Tr Prof Zabol** 1981 Nov; (11):55–7 **(Rus)**

PHARMACODYNAMICS

Relative contribution of carotid and aortic bodies to cyanide-induced ventilatory responses in the cat. Serani A, et al. **Arch Int Pharmacodyn Ther** 1981 Aug; 252(2):284–97

Effect of cyanamide on the metabolism of ethanol and acetaldehyde and on gluconeogenesis by isolated rat hepatocytes. Cederbaum AI, et al. **Biochem Pharmacol** 1981 Nov 15;30(22):3079–88

Inhibition by cyanamide of 4-hydroxycyclophosphamide/aldophosphamide oxidation to carboxyphosphamide. Domeyer BE, et al. **Biochem Pharmacol** 1981 Aug 1;30(15):2065–73

Studies on the cyanamide-ethanol interaction. Dimethylcyanamide as an inhibitor of aldehyde dehydrogenase in vivo. Shirota FN, et al. **Biochem Pharmacol** 1982 Jun 1;31(11):1999–2004

Interaction of phenols with delta 9 terminal desaturase and other cyanide-sensitive factors in chicken liver microsomes. Sreekrishna K, et al. **Biochim Biophys Acta** 1981 Sep 24;665(3):427–33

Isolation and characterization of a protein with cyanide-sensitive superoxide dismutase activity from the prokaryote, Paracoccus denitrificans. Vignais PM, et al. **Biochim Biophys Acta** 1982 Mar 4;701(3):305–17

Effects of sodium cyanide, dopamine and acetylcholine on the resting membrane potential of glomus cells in the rabbit. Matsumoto S, et al. **Brain Res** 1982 May 13;239(2):674–8

Molecular interaction of acrylonitrile and potassium cyanide with rat blood. Farooqui MY, et al. **Chem Biol Interact** 1982 Jan;38(2):145–59

The inhibition of vitamin K-dependent carboxylase by cyanide. De Metz M, et al. **FEBS Lett** 1982 Jan 25; 137(2):253–6

The effect of cyanide and ferricyanide on the activity of the dissimilatory nitrate reductase of Escherichia coli. Adams MW, et al. **J Biol Chem** 1982 Feb 25;257(4):1791–9

Controlled proteolysis by subtilisin as a probe for cyanide-induced conformational changes in Pseudomonas cytochrome oxidase. Horowitz PM, et al. **J Biol Chem** 1982 Mar 10;257(5):2140–3

Evidence for the inorganic nature of the cyanolyzable sulfur of molybdenum hydroxylases. Wahl RC, et al. **J Biol Chem** 1982 Feb 10;257(3):1354–9

A comparative review of the pharmacological and toxicological properties of disulfiram and calcium carbimide. Peachey JE, et al. **J Clin Psychopharmacol** 1981 Jan;1(1):21–6 (106 ref.)

Comparison of effects of cyanide and acetylcholine on renal hemodynamics and sodium excretion. Williams RL, et al. **J Pharm Sci** 1982 Jan;71(1):47–50

Mechanism of the effect of cyanide on cell membrane potentials in Necturus gall-bladder epithelium. Bello-Reuss E, et al. **J Physiol (Lond)** 1981 May;314:343–57

The calcium cyanamide—ethanol interaction in man. Effects of repeated ethanol administration. Peachey JE, et al. **J Stud Alcohol** 1981 Mar;42(3):208–16

Action of misonidazole on L5178Y-R and L5178Y-S cells. I. Comparison with antimycin A and potassium cyanide under aerobic conditions. Budzicka E, et al. **Neoplasma** 1981;28(4):423–33

The disulfiram and calcium carbimide acetaldehyde-mediated ethanol reactions. Peachey JE, et al. **Pharmacol Ther** 1981;15(1):89–97 (63 ref.)

The calcium carbimide-ethanol interaction: lack of relation between electroencephalographic response and cerebrospinal fluid acetaldehyde. Hillbom ME, et al. **Toxicol Lett** 1981 Oct;9(2):113–9

[Measurement of survival time in mice after acute histotoxic hypoxia induced by potassium cyanide. A test for primary selection of anti-hypoxic substances] Linee P, et al. **J Pharmacol** 1981 Jul–Sep;12(3):347–9 **(Fre)**

[Membrane potential of Pseudomonas aeruginosa spheroplasts having a cyanide-resistant respiration] Trutko SM, et al. **Biokhimiia** 1981 Dec;46(12):2151–9 (Eng. Abstr.) **(Rus)**

POISONING

Cyanocobalamin and cyanide toxicity [letter] Sawyer DR. **Am Fam Physician** 1982 Jul;26(1):48, 50, 55

Acute cyanide poisoning. The treatment of a suicide attempt. Peters CG, et al. **Anaesthesia** 1982 May;37(5):582–6

Cyanide encephalopathy following therapy with sodium nitroprusside: report of a case. Kim YH, et al. **Arch Pathol Lab Med** 1982 Aug;106(8):392–3

Zinc, copper and manganese in the organs of rats after sublethal cyanide intoxication. Behari JR, et al. **Arch Toxicol** 1981 Aug;48(1):41–50

Cerebral blood flow, circulation, and blood homeostasis of dogs during slow cyanide poisoning and after treatment with 4-dimethylaminophenol. Klimmek R, et al. **Arch Toxicol** 1982 May;50(1):65–76

Poisoning from fumes from polystyrene fire [letter] Garnier R, et al. **Br Med J [Clin Res]** 1981 Dec 12;283(6306):1610–1

Deliberate self-poisoning with Laetrile. Moss M, et al. **Can Med Assoc J** 1981 Nov 15;125(10):1126, 1128

Cyanide and its relationship to nervous suffering. Physiopathological aspects of intoxication. Vincent M, et al. **Clin Toxicol** 1981 Dec;18(12):1519–27

Case report. Changes in the basal ganglia following cyanide poisoning. Finelli PF. **J Comput Assist Tomogr** 1981 Oct; 5(5):755–6

Cyanide poisoning [letter] Aw TC, et al. **J Soc Occup Med** 1981 Oct;31(4):173

Thiosulfate pharmacokinetics in normal and anuric dogs. Braverman B, et al. **Proc Soc Exp Biol Med** 1982 Jul; 170(3):273–80

Cyanide poisoning after bitter almond ingestion. Shragg TA, et al. **West J Med** 1982 Jan;136(1):65–9

[Potassium cyanide poisoning] Jensen PH, et al. **Ugeskr Laeger** 1981 Nov 2;143(45):2978 (Eng. Abstr.) **(Dan)**

[Progress in the treatment of acute cyanide poisoning] De Francisci G, et al. **Recenti Prog Med** 1981 Jul;71(1):41–7 **(Ita)**

THERAPEUTIC USE

A review of the clinical use of disulfiram and calcium carbimide in alcoholism treatment. Peachey JE. **J Clin Psychopharmacol** 1981 Nov;1(6):368–75 (78 ref.)

TOXICITY

Histological and quantitative effects of sublethal cyanide exposure on oocyte development in rainbow trout. Lesniak JA, et al. **Arch Environ Contam Toxicol** 1982;11(3):343–52

The teratogenic effects of dietary Cassava on the pregnant albino rat: a preliminary report. Singh JD. **Teratology** 1981 Dec;24(3):289–91

The effect of sulfide and cyanide on nerve function. Beck JF, et al. **Toxicol Lett** 1982 Feb;10(2–3):189–93

CYANOACRYLATES

Comparison of bond strengths of polymethyl methacrylate and alpha cyanoacrylate. Wiebelt FJ, et al. **J Prosthet Dent** 1982 Jun;47(6):603–5

Post-biopsy false arterial aneurysm of a transplanted kidney: treatment by bucrylate transcatheter embolization. Moreau JF, et al. **J Urol** 1982 Jul;128(1):116–8

Experimental studies in nonsuture end-to-side microvascular anastomosis. Yamagata S, et al. **Neurol Med Chir (Tokyo)** 1981 Jul;21(7):701–8

Interventional radiology polymer update: acrylic. Pevsner PH, et al. **Neurosurgery** 1982 Mar;10(3):314–6

Tissue adhesives in hair transplant surgery. Morrison ID. **Plast Reconstr Surg** 1981 Oct;68(4):491–7

[Experimental test of two tissue adhesives (GRF and IBC 2) in vascular microsurgery in the rat (author's transl)] Olivier A, et al. **J Chir (Paris)** 1982 Apr;119(4):261–6 (Eng. Abstr.) **(Fre)**

ADMINISTRATION & DOSAGE

[Use of MK-KAN glue in penetrating corneal injuries] Starkov GL, et al. **Oftalmol Zh** 1981;36(4):197–200 (Eng. Abstr.) **(Rus)**

ADVERSE EFFECTS

Cyanoacrylates in medicine [letter] Blais P, et al. **Can Med Assoc J** 1982 Feb 1;126(3):227–8

Tarsorrhaphy from accidental instillation of cyanoacrylate adhesive in the eye. Margo CE, et al. **JAMA** 1982 Feb 5;247(5):660–1

THERAPEUTIC USE

Infarction of renal tumors using isobutyl-2 cyanoacrylate and lipiodol. Papo J, et al. **AJR** 1981 Oct;137(4):781–5

Neurosurgical applications of the cyanoacrylate adhesives. Mickey BE, et al. **Clin Neurosurg** 1981;28:429–44 (78 ref.)

Embolization of cerebral arteriovenous malformations with bucrylate. Debrun G, et al. **J Neurosurg** 1982 May; 56(5):615–27

Pathology of arteriovenous malformations embolized with isobutyl-2-cyanoacrylate (bucrylate). Report of two cases. Vinters HV, et al. **J Neurosurg** 1981 Nov;55(5):819–25

The use of the CO2 laser in sternotomy in cardiac surgery: a preliminary report. Russin LA. **Lasers Surg Med** 1982; 2(1):97–9

Cyanoacrylate adhesives don't hold [letter] Blond S. **VM SAC** 1981 Nov;76(11):1513–6

Cyanoacrylate adhesive for aural hematoma. Leftwich MW, et al. **VM SAC** 1981 Aug;76(8):1155

[Non-surgical cure of varicocele by embolization with isobutyl-2-cyano-acrylate (author's transl)] Kunnen M. **Ann Radiol (Paris)** 1981 Jun-Jul;24(5):406–9 (Eng. Abstr.) **(Fre)**

[Animal experimental studies on 'bone welding' by ultrasound (author's transl)] Veihelmann D, et al. **Aktuel Traumatol** 1981 Dec;11(6):203–9 (Eng. Abstr.) **(Ger)**

[The use of ultrasonic bone fusion for filling in bone defects. Animal studies. II. Concluding remarks] Grasshoff H, et al. **Beitr Orthop Traumatol** 1982 Jan;29(1):1–10 (Eng. Abstr.) **(Ger)**

[Isobutyl-2-cyanoacrylate in the treatment of liver injuries in animal experiments] Babayan R, et al. **Med Welt** 1982 Apr 8;33(14):517–9 **(Ger)**

[Hemostasis with glue during surgery for retroperitoneal neoplasms] Chissov VI, et al. **Khirurgiia (Mosk)** 1981 Aug; (8):94–7 **(Rus)**

[Effect of a mixture of carminomycin and cyanoacrylates on experimental tumor growth] Chissov VI, et al. **Vopr Onkol** 1982;28(6):41–5 **(Rus)**

CYANOBACTERIA see **ALGAE, BLUE-GREEN**

CYANOCOBALAMIN see **VITAMIN B 12**

CYANOGEN BROMIDE

Cyanate from alkaline hydrolysis of cyanogen bromide-activated polysaccharides. Hseu TH, et al. **Anal Biochem** 1981 Sep 1;116(1):181–4

Oxidation of methionine to methionine sulfoxide as a side reaction of cyanogen bromide cleavage. Joppich-Kuhn R, et al. **Anal Biochem** 1982 Jan 1;119(1):73–7

Cyanogen bromide, a good reagent for assay of thiamine in biological extracts [letter] Ratanaubolchai K, et al. **Clin Chem** 1981 Oct;27(10):1777–8

Peptide mapping of collagen chains using CNBr cleavage of proteins within polyacrylamide gels. Barsh GS, et al. **Coll Relat Res** 1981;1(6):543–8

Two-dimensional CNBr peptide patterns of collagen types I, II and III. Benya PD. **Coll Relat Res** 1981;1(1):17–26

The use of 2-dimensional CNBr peptide maps for the analysis of crosslinked peptides in bone collagen. Cheung DT, et al. **Coll Relat Res** 1981 Apr;1(3):247–56

Two-dimensional electrophoresis patterns of the CNBr peptides of collagen types I, II, III and V. Tanaka S, et al. **Coll Relat Res** 1981 Sep;1(5):445–52

Cleavage of Trimeresurus flavoviridis phospholipase A2 with cyanogen bromide: sequence of the short peptide fragment and formation of a noncovalently bonded complex from the fragments. Kihara H, et al. **J Biochem (Tokyo)** 1981 Aug;90(2):363–70

ISOLATION & PURIFICATION

Isolation and identification of the cyanogen bromide peptides of D-glyceraldehyde-3-phosphate dehydrogenase from human muscle. Banaś T, et al. **Acta Biochim Pol** 1981; 28(1):31–40

PHARMACODYNAMICS

Pyridinoline fluorescence in cyanogen bromide peptides of collagen. Tsuchikura O, et al. **Biochem Biophys Res Commun** 1981 Oct 30;102(4):1203–8

A convenient replacement for cyanogen bromide-activated solid phases in immunoradiometric assays. Wright JF, et al. **J Immunol Methods** 1982;48(3):311–25

CYANOKETONE see under **ANDROSTENOLS**

CYANOMETHANES see **ACETONITRILES**

CYANOPHYCEAE see **ALGAE, BLUE-GREEN**

CYANOPHYTA see **ALGAE, BLUE-GREEN**

CYANOSIS

New hope in the 1980s for the cyanotic infant. Covitz W. **J Med Assoc Ga** 1981 Aug;70(8):571–2

DIAGNOSIS

Newborn cyanosis. Reid TJ. **Am J Nurs** 1982 Aug; 82(8):1230–4

ETIOLOGY

Cyanosis following right pneumonectomy: importance of patent foramen ovale. Dlabal PW, et al. **Chest** 1982 Mar; 81(3):370–2

A rare cause of cyanosis and polycythemia: anomalous systemic venous connections without associated intracardiac malformations. The blue milkman story. Brochard P, et al. **Eur Heart J** 1981 Jun;2(3):227–33

Right pulmonary artery to left atrium communication. An unusual cause of cyanosis in the newborn. Cheatham JP, et al. **Pediatr Cardiol** 1982;2(2):149–52

Pulmonary arterio-venous fistula in a child: a rare cause of congenital cyanosis. Slim MS, et al. **Z Kinderchir** 1981 Sep; 34(1):67–71

[Neonatal complications caused by maternal clomipramine treatment] Pedersen S, et al. **Ugeskr Laeger** 1981 Feb 9; 143(7):417–8 (Eng. Abstr.) **(Dan)**

[Blue toe syndrome in a patient with essential thrombocythemia. Favorable response to plateletpheresis (author's transl)] González L, et al. **Med Clin (Barc)** 1982 Jul 1–31;79(3):133–6 (Eng. Abstr.) **(Spa)**

[Contrast echocardiography in the diagnosis of the surgical diversion of the inferior vena cave into the left ventricle] Mortera C, et al. **Rev Esp Cardiol** 1981;34(4):329–32 (Eng. Abstr.) **(Spa)**

FAMILIAL & GENETIC

De novo mutations producing unstable hemoglobins or hemoglobins M. I. Establishment of a depository and use of data to test for an association of de novo mutation with advanced parental age. Stamatoyannopoulos G, et al. **Hum Genet** 1981;58(4):396–404

PSYCHOLOGY

Code blue--factitious cyanosis. Kellner CH, et al. **J Nerv Ment Dis** 1982 Jun;170(6):371–2

SURGERY

Intraluminal shunt technique in systemic to pulmonary arterial anastomosis for severely cyanotic patients. Shimizu T, et al. **J Cardiovasc Surg (Torino)** 1982 Mar-Apr; 23(2):172–4

THERAPY

Resuscitation of preterm babies at birth reduces the risk of death from hyaline membrane disease. Robson E, et al. **Arch Dis Child** 1982 Mar;57(3):184–6

CYBERNETICS

The cybernetics of biological macromolecules. Wyman J. **Biophys Chem** 1981 Oct;14(2):135–46

What is an epistemology of family therapy? Keeney BP. **Fam Process** 1982 Jun;21(2):153–68

Cybernetics in medicine. Abe H. **Jpn J Med** 1982 Jan; 21(1):50–5

Cognitive robots and their role in factual cognitive problem-solving. Chytil MK. **Med Inf (Lond)** 1981 Oct-Dec;6(4):265–9

The cybernetic approach to the treatment of neurotic disorders. Grochmal-Bach B, et al. **Pavlov J Biol Sci** 1982 Jan-Mar;17(1):45–8

Ergonomics as a cybernetics system of the 'man - production' relationships. Mihăilă I. **Sante Publique (Bucur)** 1981; 24(2–3):297–301

[Cybernetics, prolegomenon of a new movement in psychiatry] Mairlot FE. **Ann Med Psychol (Paris)** 1981 Apr; 139(4):430–8 **(Fre)**

[The cybernetic circuit of the regulation of antibody formation] Firrao S. **Boll Ist Sieroter Milan** 1981 Jul 31; 60(3):171–5 (29 ref.) (Eng. Abstr.) **(Ita)**

[Cybernetic pathogenesis of shock] Restian A. **G Clin Med** 1981 Aug;62(8):515–33 (Eng. Abstr.) **(Ita)**

[Cybernetics in medicine (author's transl)] Abe H. **Nippon Naika Gakkai Zasshi** 1981 Sep 10;70(9):1215–28 **(Jpn)**

[Modeling and computer simulation as research methods in current biology and medicine] Szubert J. **Pol Tyg Lek** 1981 Jun 22;36(25):943–6 **(Pol)**

[Biocybernetic evaluation of the regularity of physiological functions in schoolchildren in their academic activities] Glushkova EK, et al. **Gig Sanit** 1982 Mar;(3):45–8 **(Rus)**

[Cybernetic analysis of the heart rhythm in the measured physical loading test with crew members of the Saliut-6 orbital station] Baevskiĭ RM, et al. **Kardiologiia** 1981 Nov; 21(11):100–4 (Eng. Abstr.) **(Rus)**

CYCASIN see under **AZO COMPOUNDS**

CYCLACILLIN see under **PENICILLINS**

CYCLAMATES

ADVERSE EFFECTS

Neoplastic lesions in the urinary tract of Wistar rats after treatment with N-methyl-N-nitrosourea (MNU) and artificial sweeteners. Soudah B, et al. **Exp Pathol** 1981; 20(4):197–202

METABOLISM

In vivo and in vitro studies with sulfamate sweeteners. McGlinchey G, et al. **J Pharm Sci** 1982 Jun;71(6):661–5

PHARMACODYNAMICS

Effect of the suspected tumor promoters saccharin, cyclamate, and phenol on nerve growth factor binding and response in cultured embryonic chick ganglia. Ishii DN. **Cancer Res** 1982 Feb;42(2):429–32

Inhibition of epidermal growth factor binding by phorbol esters, saccharin, and cyclamate and its implications in the mechanism of tumor promotion. Lee LS. **Carcinog Compr Surv** 1982;7:471–5

Inhibition of iodinated nerve growth factor binding by the suspected tumor promoters saccharin and cyclamate. Ishii DN. **JNCI** 1982 Feb;68(2):299–303

Effects in the mammalian spot test: cyclamate versus saccharin. Fahrig R. **Mutat Res** 1982 Jan;103(1):43–7

CYCLANDELATE see under **MANDELIC ACIDS**

CYCLAZOCINE

ANALOGS & DERIVATIVES

Demonstration and distribution of an opiate binding site in rat brain with high affinity for ethylketocyclazocine and SKF 10,047. Pfeiffer A, et al. **Biochem Biophys Res Commun** 1981 Jul 16;101(1):38–44

Characterization of the kappa-subtype of the opiate receptor in the guinea-pig brain. Kosterlitz HW, et al. **Br J Pharmacol** 1981 Aug;73(4):939–49

Analgesic activity of intraspinally administered dynorphin and ethylketocyclazocine. Piercey MF, et al. **Eur J Pharmacol** 1982 May 21;80(2–3):283–4

Evidence that the discriminative stimulus properties of fentanyl and ethylketocyclazocine are mediated by an interaction with different opiate receptors. Shearman GT, et al. **J Pharmacol Exp Ther** 1982 Jun;221(3):735–9

Studies on the nature and mechanism of the diuretic activity of the opioid analgesic ethylketocyclazocine. Slizgi GR, et al. **J Pharmacol Exp Ther** 1982 Mar;220(3):585–91

High affinity [3H]ethylketazocine binding: evidence for specific kappa receptors. Wood PL, et al. **Neuropharmacology** 1982 Mar;21(3):215–9

D-Ala2,D-Leu5-enkephalin generalizes to a discriminative stimulus produced by fentanyl but not ethylketocyclazocine. Shearman GT, et al. **Pharmacol Biochem Behav** 1982 Feb;16(2):249–52

Distinct high-affinity binding sites for benzomorphan drugs and enkephalin in a neuroblastoma--brain hybrid cell line. McLawhon RW, et al. **Proc Natl Acad Sci USA** 1981 Jul; 78(7):4309–13

Stereospecific effects of cocaine derivatives on 3H-dopamine uptake: correlations with behavioral effects. Heikkila RE, et al. **Subst Alcohol Actions Misuse** 1981;2(2):115–21

[Pharmacological action of eptazocine (l-1,4-dimethyl-10-hydroxy-2,3,4,5,6,7-hexahydro-1,6-m

(II) Relationship between the analgesic action of eptazocine and brain 5-hydroxytryptamine (5-HT) (author's transl)] Kameyama T, et al. **Nippon Yakurigaku Zasshi** 1981 Dec; 78(6):613-27 (Eng. Abstr.) **(Jpn)**

[Pharmacological action of eptazocine (l-1,4-dimethyl-10-h• droxy-2,3,4,5,6,7-hexahydro-1,6-m (I). Relationship between the analgesic action of eptazocine and brain catecholamine (author's transl)] Kameyama T, et al. **Nippon Yakurigaku Zasshi** 1981 Dec;78(6):599-612 (Eng. Abstr.) **(Jpn)**

[Pharmacological action of eptazocine (l-1,4-dimethyl-10-hydroxy-2,3,4,5,6,7-hexahydro-1,6-m (III) Central action of eptazocine (author's transl)] Kameyama T, et al. **Nippon Yakurigaku Zasshi** 1981 Dec; 78(6):629-45 (Eng. Abstr.) **(Jpn)**

ANALYSIS

[Radioimmunoassay and mass fragmentographic determination of cyclazocine in human serum and urine (author's transl)] Tanaka H, et al. **Yakugaku Zasshi** 1981 Jun;101(6):521-6 (Eng. Abstr.) **(Jpn)**

METABOLISM

Demonstration of [3H]cyclazocine binding to multiple opiate receptor sites. Zukin RS, et al. **Mol Pharmacol** 1981 Sep; 20(2):246-54

PHARMACODYNAMICS

Sites of analgesic action of cyclazocine: a study using evoked-potentials at various regions of the CNS by electrical stimulation of rabbit tooth pulp. Foong FW, et al. **Arch Int Pharmacodyn Ther** 1982 Apr;256(2):212-8

Temporary spinalization reverses the inhibitory effect of cyclazocine on the nociceptive response of rabbit spinal dorsal horn lamina V-type neurons. Kawajiri S, et al. **Eur J Pharmacol** 1982 Feb 26;78(2):237-40

Effects of acute administration of cyclazocine on the metabolism of biogenic amines in different regions of rat brain. Gavend MM, et al. **Psychopharmacology (Berlin)** 1981;75(1):79-83

CYCLIC AMP see **ADENOSINE CYCLIC MONOPHOSPHATE**

3',5'-CYCLIC AMP 5'-NUCLEOTIDOHYDROLASE see **3',5'-CYCLIC AMP PHOSPHODIESTERASE**

3',5'-CYCLIC AMP PHOSPHODIESTERASE

Purification and properties of the insulin-stimulated cyclic AMP phosphodiesterase from rat liver plasma membranes. Marchmont RJ, et al. **Biochem J** 1981 Jun 1;195(3):645-52

ANALYSIS

Preparation, properties, and uses of two fluorogenic substrates for the detection of 5'-(venom) and 3'-(spleen) nucleotide phosphodiesterases. Hawley DM, et al. **Anal Biochem** 1981 Oct;117(1):18-23

A fluorometric-high-performance liquid chromatographic assay procedure for several enzymatic activities using formycin analogs of adenosine 5'-mono, 5'-tri, and cyclic 3',5'-monophosphate as substrates. Rossomando EF, et al. **Anal Biochem** 1981 Sep 1;116(1):80-8

A new method for separating cyclic AMP from 5'-AMP with application to the assay for cyclic AMP phosphodiesterase. Sinha AK, et al. **Anal Biochem** 1981 May 15;113(2):239-45

Analysis of cyclic nucleotide phosphodiesterase(s) by radioimmunoassay. Sarada K, et al. **Arch Biochem Biophys** 1982 Apr 15;215(1):183-98

Implementation of micromethods to resolve problems of human breast tumor heterogeneity in analysis of cyclic 3':5'-nucleotide phosphodiesterase. Larner EH, et al. **Cancer Res** 1982 May;42(5):1661-8

Adenosine and guanosine 3',5' cyclic monophosphate phosphodiesterase activities in rat small and large bowel following single and multiple exposure to 1,2-dimethylhydrazine. Stevens RH, et al. **Drug Chem Toxicol** 1981;4(2):161-72

Localization of cyclic adenosine monophosphate phosphodiesterase in mouse alveolar cells. Singer AL, et al. **J Histochem Cytochem** 1981 Dec;29(12):1372-6

Cyclic nucleotide phosphodiesterases in normal and malignant human tissues. Stefanovich V, et al. **J Med** 1981; 12(4):243-50

Properties of hepatic and pancreatic cyclic AMP phosphodiesterase in the cat. Sakane Y, et al. **Res Commun Chem Pathol Pharmacol** 1981 Nov; 34(2):251-66

ANTAGONISTS & INHIBITORS

In vitro inhibition of cyclic 3' 5',-AMP-phosphodiesterase by a group of structural analogues of glaucine. Petkov V, et al. **Acta Physiol Pharmacol Bulg** 1981;6(3):38-47

Effects of inhibitors of cyclic nucleotide phosphodiesterase on the actions of vasoactive intestinal peptide and secretin on pancreatic acini. Gardner JD, et al. **Am J Physiol** 1982 Jun;242(6):G547-51

Influence of plafibride, an antiplatelet and hypolipemic agent, on prostacyclin and thromboxane synthesis, 3',5'-cyclic AMP phosphodiesterase activity and serum clearance of a lipid emulsion. Vilageliu J, et al. **Arzneimittelforsch** 1981; 31(10a):1805-7

Selective inhibition of cyclic AMP and cyclic GMP phosphodiesterases of cardiac nuclear fraction. Ahluwalia GS, et al. **Biochem Pharmacol** 1982 Mar 1;31(5):665-9

Inhibition of calmodulin-activated cyclic nucleotide phosphodiesterase: multiple binding-sites for tricyclic drugs on calmodulin. Reynolds CH, et al. **Biochem Pharmacol** 1982 Feb 1;31(3):419-21

Inhibition of lymphocyte cyclic AMP phosphodiesterase and lymphocyte function by 5'-methylthioadenosine. Wolberg G, et al. **Biochem Pharmacol** 1982 Jun 15;31(12):2201-3

Effects of cyclic AMP- and cyclic GMP- phosphodiesterase inhibitors on immunological release of histamine and on lung contraction. Frossard N, et al. **Br J Pharmacol** 1981 Aug;73(4):933-8

Inhibition of cyclic AMP phosphodiesterase by lignans. Nikaido T, et al. **Chem Pharm Bull (Tokyo)** 1981 Dec; 29(12):3586-92

Inhibition of anterior pituitary cyclic AMP phosphodiesterase by colchicine and vinblastine. Ewart RB. **FEBS Lett** 1982 May 3;141(1):25-8

Quantitative analysis of the effects of caffeine on sperm motility and cyclic adenosine 3',5'-monophosphate (AMP) phosphodiesterase. Levin RM, et al. **Fertil Steril** 1981 Dec; 36(6):798-802

Inhibition of bovine brain cyclic nucleotide phosphodiesterase by a proteinaceous factor from Escherichia coli. Iwasa Y. **Horm Metab Res** 1982 May; 14(5):265-7

Adenosine 3',5'-phosphate phosphodiesterase and pheromone response in the yeast Saccharomyces cerevisiae. Liao HH, et al. **J Bacteriol** 1981 Dec;148(3):919-25

2-(Alkylthio)-1,2,4-triazolo[1,5-a]pyrimidines as adenosine cyclic 3',5'-monophosphate phosphodiesterase inhibitors with potential as new cardiovascular agents. Novinson T, et al. **J Med Chem** 1982 Apr;25(4):420-6

Mesoionic purinone analogues as inhibitors of cyclic-AMP phosphodiesterase: a comparison of several ring systems. Rogers ME, et al. **J Med Chem** 1981 Nov;24(11):1284-7

Synthesis and enzymic activity of various substituted pyrazolo[1,5-a]-1,3,5-triazines as adenosine cyclic 3',5'-phosphate phosphodiesterase inhibitors. Senga K, et al. **J Med Chem** 1982 Mar;25(3):243-9

Synthesis and enzymic activity of 6-carbethoxy- and 6-ethoxy-3,7-disubstituted-pyrazolo[1,5-a]pyrimidines and related derivatives as adenosine cyclic 3' ,5'-phosphate phosphodiesterase inhibitors. Springer RH, et al. **J Med Chem** 1982 Mar;25(3):235-42

Endogenous peptides that inhibit brain cyclic AMP phosphodiesterase. Collier HO, et al. **J Neurochem** 1982 Jan;38(1):275-7

In vitro effect of reproterol upon pulmonary, cardiac, vascular and intestinal 3',5'-monophosphate phosphodiesterase nucleoside. Marmo E, et al. **J Pharm Pharmacol** 1982 May;34(5):342-3

Pharmacological inhibition of calmodulin-sensitive phosphodiesterases. Ilien B, et al. **J Pharmacol** 1982 Apr-Jun;13(2):307-16

Selective phosphodiesterase inhibition and alterations of cardiac function by alkylated xanthines. Mushlin P, et al. **Mol Pharmacol** 1981 Jul;20(1):179-89

Effects of polyphloretin phosphate (PPP) and quinterenol of cyclic nucleotide phosphodiesterase activities. Curtis-Prior PB, et al. **Pharmacol Res Commun** 1981 Apr; 13(4):331-7

Inhibitors of cyclic AMP phosphodiesterase in medicinal plants. Nikaido T, et al. **Planta Med** 1981 Sep;43(1):18-23

Inhibitory effect of some flavonoids and falvonoid mixtures on cyclic AMP phosphodiesterase activity of rat heart. Petkov E, et al. **Planta Med** 1981 Oct;43(2):183-6

Antimetastatic action of RX-RA 69, a new potent PDE-inhibitor in the Lewis lung carcinoma of the mouse. Lichtner R, et al. **Prog Clin Biol Res** 1982;89:131-41

Effect of cAMP phosphodiesterase inhibitors on ADP-induced shape change, cAMP and nucleoside diphosphokinase activity of rabbit platelets. Lam SC, et al. **Thromb Haemost** 1982 Apr 30;47(2):90-5

[The effect of the benzimidazole derivative AR-L 115 BS on the activities of myocardial adenylate cyclase and phosphodiesterase preparations (author's transl)] Schuhmacher P, et al. **Arzneimittelforsch** 1982;32(1):80-2 (Eng. Abstr.) **(Ger)**

[Stereoisomers of a substituted 1-benzopyrano [4,3-b]-1,5-benzodiazepine as inhibitors of cAMP-phosphodiesterase] Römer W, et al. **Pharmazie** 1982 May;37(5):382 **(Ger)**

BIOSYNTHESIS

RNA polymerase II in C6 glioma cells. Alpha-amanitin blockade of cAMP phosphodiesterase induction by beta-adrenergic stimulation. Schwartz JP. **Exp Cell Res** 1982 Jan;137(1):39-45

Comparison of properties of the cellular and extracellular phosphodiesterases induced by cyclic adenosine 3',5'-monophosphate in Dictyostelium discoideum. Yamasaki F, et al. **J Biochem (Tokyo)** 1982 Mar;91(3):981-8

BLOOD

3',5' Cyclic nucleotide phosphodiesterase from human platelets: effect of heat upon the multiple forms and their interconversion. Pichard AL, et al. **Biochimie** 1981 Jul; 63(7):603-9

Do conventional plasma cyclic nucleotide phosphodiesterase inhibitors really work in all situations? Wood PJ, et al. **Clin Chim Acta** 1981 Sep;115(3):405-8

Plasma cAMP and cAMP-phosphodiesterase (PDE) levels in cancer patients before and after surgery. Patel V, et al. **Indian J Cancer** 1981 Sep;18(3):181-4

Rapid assay of cyclic AMP phosphodiesterase and 5'-nucleotidase by means of chromatography on cellulose-nitrate membrane strips. Schneider Z, et al. **J Chromatogr** 1982 Apr 16;229(1):77-85

Regulation of cyclic AMP metabolism in human platelets. Sequential activation of adenylate cyclase and cyclic AMP phosphodiesterase by prostaglandins. Alvarez R, et al. **Mol Pharmacol** 1981 Sep;20(2):302-9

GENETICS

Genetic analysis of cyclic nucleotide phosphodiesterases in Drosophila melanogaster. Kiger JA Jr, et al. **Adv Cyclic Nucleotide Res** 1981;14:273-88

ISOLATION & PURIFICATION

Purification and characterization of human lung calmodulin-independent cyclic AMP phosphodiesterase. Moore JB Jr, et al. **Arch Biochem Biophys** 1982 Jan; 213(1):276-87

Cyclic nucleotide phosphodiesterase from a particulate fraction of rat heart. Solubilization and characterization of a single enzymatic form. Prigent AF, et al. **Biochem Biophys Res Commun** 1981 Sep 16;102(1):355-64

Purification and characterization of a cyclic GMP-stimulated cyclic nucleotide phosphodiesterase from bovine tissues. Martins TJ, et al. **J Biol Chem** 1982 Feb 25;257(4):1973-9

Purification of two calcium/calmodulin-dependent forms of cyclic nucleotide phosphodiesterase by using conformation-specific monoclonal antibody chromatography. Hansen RS, et al. **Proc Natl Acad Sci USA** 1982 May;79(9):2788-92

METABOLISM

Pharmacological and biochemical study in ontogenetic aspect of 3'-5'-adenosinemonophosphate phosphodiesterases with low and high Km. Stancheva S. **Acta Physiol Pharmacol Bulg** 1981;7(2):69-78

Regulation of cyclic nucleotide phosphodiesterase activity. Vaughan M, et al. **Adv Cyclic Nucleotide Res** 1981; 14:263-71

Cyclic nucleotide phosphodiesterase activity in patients with obstructive airways disease. Polson JB, et al. **Allergol Immunopathol (Madr)** 1982 Mar-Apr;10(2):101-4

Control of Mucor rouxii adenosine 3':5'-monophosphate phosphodiesterase by phosphorylation--dephosphorylation and proteolysis. Moreno S, et al. **Arch Biochem Biophys** 1982 Apr 1;214(2):573-80

Partial purification from hepatoma cells of an intracellular substance which mediates the effects of insulin on pyruvate dehydrogenase and low Km cyclic AMP phosphodiesterase. Parker JC, et al. **Arch Biochem Biophys** 1982 Apr 15;215(1):339-44

Stimulation of cyclic nucleotide phosphodiesterase by products of phosphatidylinositol metabolism catalyzed by phospholipase A2. Tai HH, et al. **Arch Biochem Biophys** 1982 Apr 1;214(2):622-7

The influence of nicergoline on reaction kinetics of various forms of cyclic AMP phosphodiesterase. Peričin D, et al. **Arzneimittelforsch** 1981;31(12):2082-5

Interaction of calcium antagonists with cyclic AMP phosphodiesterases and calmodulin. Epstein PM, et al. **Biochem Biophys Res Commun** 1982 Apr 14;105(3):1142-9

Rapid changes in the activities of the enzymes of cyclic AMP metabolism after addition of A23187 to macrophages. Lim LM, et al. **Biochem Biophys Res Commun** 1981 Nov 30; 103(2):745-50

Theoretical analysis of the consequences of cyclic nucleotide phosphodiesterase negative co-operativity. Amplification and positive co-operativity of cyclic AMP accumulation. Erneux C, et al. **Biochem J** 1980 Oct 15;192(1):241-6

The insulin-stimulated cyclic AMP phosphodiesterase binds to a single class of protein sites on the liver plasma membrane. Houslay MD, et al. **Biochem J** 1981 Sep 15; 198(3):703-6

A stereochemical investigation of the hydrolysis of cyclic AMP and the (Sp)- and (Rp)-diastereoisomers of adenosine cyclic 3':5'-phosphorothioate by bovine heart and baker's-yeast cyclic AMP phosphodiesterases. Jarvest RL, et al. **Biochem J** 1982 May 1;203(2):461-70

Regulation of adenylate cyclase and cyclic AMP phosphodiesterase by 5-hydroxytryptamine and calcium ions in blowfly salivary-gland homogenates. Litosch I, et al. **Biochem J** 1982 Apr 15;204(1):153-9

Characterization of the phosphorylated form of the insulin-stimulated cyclic AMP phosphodiesterase from rat liver plasma membranes. Marchmont RJ, et al. **Biochem J** 1981 Jun 1;195(3):653-60

Simulations of the roles of multiple cyclic nucleotide phosphodiesterases. Reynolds CH. **Biochem J** 1982 Jan 15;

202(1):125–32
Cyclic AMP phosphodiesterase activity during differentiation of rabbit erythroid bone marrow cells. Setchenska MS, et al. **Biochem J** 1981 Jun 15;196(3):887–92
Cyclic nucleotide phosphodiesterase activities in Neurospora crassa. Téllez-Iñón MT, et al. **Biochem J** 1982 Jun 1; 203(3):611–6
Cyclic nucleotide phosphodiesterase activity in midpiece and tail of buffalo spermatozoa and its role in sperm motility. Bhatnagar SK, et al. **Biochim Biophys Acta** 1982 May 27; 716(2):133–9
Differential regulation of calcium-dependent and calcium-independent cyclic nucleotide phosphodiesterases from heart by palmitoylcarnitine and palmitoyl coenzyme A. Katoh N, et al. **Biochim Biophys Acta** 1982 Jan 12; 714(1):129–35
Effects of dithiothreitol on insulin-sensitive phosphodiesterase in rat fat cells. Makino H, et al. **Biochim Biophys Acta** 1982 May 21;704(1):31–6
Characterization of the soluble cyclic nucleotide phosphodiesterases in Xenopus laevis oocytes. Evidence for a calmodulin-dependent enzyme. Miot F, et al. **Biochim Biophys Acta** 1982 Feb 18;701(2):253–9
Regulation by a beta-adrenergic receptor of a Ca2+-independent adenosine 3',5'-(cyclic)monophosphate phosphodiesterase in C6 glioma cells. Onaii P, et al. **Biochim Biophys Acta** 1981 Jul;675(2):285–92
Evidence for convertible forms of soluble uterine cyclic nucleotide phosphodiesterase. Strada SJ, et al. **Biochim Biophys Acta** 1981 Sep 15;661(1):12–20
Purification, characterization and production of rabbit antibodies to rat liver particulate, high-affinity, cyclic AMP phosphodiesterase. Whitson RH, et al. **Biochim Biophys Acta** 1982 Feb 2;714(2):279–91
Dynamics of calmodulin and cyclic AMP phosphodiesterase in plasma membranes of rat livers and ascites hepatomas. Yamagami K, et al. **Biochim Biophys Acta** 1981 Oct 12; 677(2):174–83
Fetal and Early postnatal development of adenylate cyclase and cyclic AMP phosphodiesterase activities in rat brain. Salinas M, et al. **Biol Neonate** 1982;41(1-2):94–100
Insulin-like activity of proteases. V. Stimulation of cyclic adenosine 3',5'-monophosphate phosphodiesterase by an N-succinyl-L-alanyl-L-alanyl-L-alanine p-nitroanilide-hydrolyzing protease. Ueki H, et al. **Chem Pharm Bull (Tokyo)** 1982 Mar;30(3):1054–8
Biological properties of a calcium-modulator protein from Phycomyces blakesleeanus. Martínez-Cadena G, et al. **Comp Biochem Physiol [B]** 1982;71(3):515–8
Calmodulin in starfish oocytes. I. Calmodulin antagonists inhibit meiosis reinitiation. Meijer L, et al. **Dev Biol** 1981 Dec;88(2):318–24
Cyclic AMP phosphodiesterase in Leydig cell preparations of the rat testis. Epplen JT, et al. **Differentiation** 1981; 20(2):124–30
Regulation of follicle-stimulating hormone and dibutyryl adenosine 3',5'-monophosphate of a phosphodiesterase isoenzyme of the Sertoli cell. Conti M, et al. **Endocrinology** 1982 Apr;110(4):1189–96
Modulation by thyroid status of hepatic low Km phosphodiesterase. Morgan DW, et al. **Endocrinology** 1982 Jan;110(1):260–4
Paradoxical stimulation by 1-methyl-3-isobutylxanthine of rat liver cyclic AMP phosphodiesterase activity. Erneux C, et al. **FEBS Lett** 1982 Jun 7;142(2):251–4
The effect of an insulin-sensitive chemical mediator from rat adipocytes low Km and high Km cyclic AMP phosphodiesterase. Kiechle FL, et al. **FEBS Lett** 1981 Oct 26;133(2):279–82
Stimulation of enzyme activities by fragments of calmodulin. Kuznicki J, et al. **FEBS Lett** 1981 Jul 20;130(1):141–5
Calmodulin and cyclic nucleotide-phosphodiesterase activities in rat mammary gland during the lactogenic cycle. Pizarro M, et al. **FEBS Lett** 1981 Dec 21; 136(1):127–30
Stimulation of rat fat cell phosphodiesterase by adenosine. Teo TS, et al. **FEBS Lett** 1981 Jun 1;128(1):75–8
Calmodulin, activated cyclic nucleotide phosphodiesterase, microtubules, and vinca alkaloids. Watanabe K, et al. **Fed Proc** 1982 May;41(7):2292–9
Proteolytic activation of Ca2+-dependent cyclic nucleotide phosphodiesterase from Escherichia coli. Iwasa Y. **Horm Metab Res** 1981 Jul;13(7):414–5
Distribution of cyclic 3',5'-phosphodiesterase, monoamine oxidase & beta-glucuronidase in liver tumours induced by technical grade hexachlorocyclohexane in inbred swiss mice. Bhatt DK, et al. **Indian J Exp Biol** 1981 Jul; 19(7):625–9
Increased cyclic nucleotide phosphodiesterase activity in a mutant S49 lymphoma cell. Characterization and comparison with wild type enzyme activity. Brothers VM, et al. **J Biol Chem** 1982 Aug 25;257(16):9349–55
Regulation of cyclic adenosine 3':5'-monophosphate phosphodiesterases. Interrelationship of the various forms in rat skeletal myoblasts and adult muscle. Narindrasorasak S, et al. **J Biol Chem** 1982 Apr 25;257(8):4618–26
Calmodulin-dependent cyclic nucleotide phosphodiesterases in the immature rat testis. Purvis K, et al. **J Biol Chem** 1981 Nov 25;256(22):11434–41
Insulin-dependent and insulin-independent low Km cyclic AMP phosphodiesterase from rat adipose tissue. Weber HW, et al. **J Biol Chem** 1982 May 25;257(10):5339–41
A new principle for resistance to cholera: desensitization to cyclic AMP-mediated diarrhea induced by cholera toxin in the mouse intestine. Lönnroth I, et al. **J Cyclic Nucleotide Res** 1981;7(4):247–57
Characterization of 3': 5' -cyclic AMP phosphodiesterase in Klebsiella aerogenes and its role in substrate-accelerated death. Calcott PH, et al. **J Gen Microbiol** 1981 Feb;122(Pt 2):313–21
Pig skin epidermal calmodulin. effect on calmodulin deficient phosphodiesterase. Iizuka H, et al. **J Invest Dermatol** 1982 Mar;78(3):230–3
Inhibition of separated forms of cyclic nucleotide phosphodiesterase from pig coronary arteries by 1,3-disubstituted and 1,3,8-trisubstituted xanthines. Wells JN, et al. **J Med Chem** 1981 Aug;24(8):954–8
Characteristics of the cyclic AMP-phosphodiesterase activator in human brain tumours. Frattola L, et al. **J Neurol Sci** 1981 Nov-Dec;52(2-3):269–77
Cyclic nucleotide phosphodiesterase and aggregation in platelets from diabetic rats. Umeda F, et al. **Metabolism** 1982 Jul;31(7):704–9
Hormone-sensitive cAMP phosphodiesterase in liver and fat cells. F ncis SH, et al. **Mol Cell Biochem** 1982 Feb 5; 42(2):109–16 (35 ref.)
Low Km cyclic AMP phosphodiesterase of yeast may be bound to ribosomes associated with the nucleus. Londesborough J, et al. **Mol Cell Biochem** 1982 Jul 23; 46(2):65–71
Cyclic nucleotide phosphodiesterase activities in rat erythrocytes. Téllez-Iñón MT, et al. **Mol Cell Biochem** 1982 Apr 2;43(3):161–6
Patterns of cyclic AMP phosphodiesterases in the rat pineal gland: sex differences in diurnal rhythmicity. Epplen JT, et al. **Neuroendocrinology** 1982 Jan;34(1):46–54
Cyclic nucleotides and cyclic nucleotide phosphodiesterases in kidneys from rats with experimental diabetes. Hoskins B, et al. **Res Commun Chem Pathol Pharmacol** 1981 Aug; 33(2):381–4
[Adenosine-3',5'-phosphate, adenylate kinase, and cyclic AMP phosphodiesterase of the eye lens during aging] Klethi J, et al. **C R Seances Acad Sci [III]** 1981 Nov 2; 293(8):419–22 (Eng. Abstr.) **(Fre)**
[Effect of nucleoside triphosphates on cyclic nucleotide phosphodiesterase: role of protein modulators] Garnovskaia MN, et al. **Biokhimiia** 1982 Feb;47(2):221–5 (Eng. Abstr.) **(Rus)**

RADIATION EFFECTS

[Effect of a neurodystrophic process on cAMP phosphodiesterase activity in the myocardium and gastrocnemius muscle in the irradiated rabbit] Azhipa IaI, et al. **Radiobiologiia** 1981 May-Jun;21(3):352–7 **(Rus)**

CYCLIC AMP RECEPTORS see **RECEPTORS, CYCLIC AMP**

CYCLIC GMP see **GUANOSINE CYCLIC MONOPHOSPHATE**

3',5'-CYCLIC GMP 5'-NUCLEOTIDOHYDROLASE see **3',5'-CYCLIC GMP PHOSPHODIESTERASE**

3',5'-CYCLIC GMP PHOSPHODIESTERASE

ANALYSIS

Adenosine and guanosine 3',5' cyclic monophosphate phosphodiesterase activities in rat small and large bowel following single and multiple exposure to 1,2-dimethylhydrazine. Stevens RH, et al. **Drug Chem Toxicol** 1981;4(2):161–72
Cyclic nucleotide phosphodiesterases in normal and malignant human tissues. Stefanovich V, et al. **J Med** 1981; 12(4):243–50

ANTAGONISTS & INHIBITORS

Inhibition of antigen-induced histamine release from rat mast cells by a cyclic GMP-phosphodiesterase inhibitor and sodium nitrite. Frossard N, et al. **Agents Actions** 1981 Dec; 11(6-7):653–4
Selective inhibition of cyclic AMP and cyclic GMP phosphodiesterases of cardiac nuclear fraction. Ahluwalia GS, et al. **Biochem Pharmacol** 1982 Mar 1;31(5):665–9
Inhibition of calmodulin-activated cyclic nucleotide phosphodiesterase: multiple binding-sites for tricyclic drugs on calmodulin. Reynolds CH, et al. **Biochem Pharmacol** 1982 Feb 1;31(3):419–21
Isolation of an inhibitory protein for the cyclic guanosine 3',5'-monophosphate phosphodiesterase of bovine rod outer segments. Hurley JB, et al. **Biochim Biophys Acta** 1981 Jul 17;675(3-4):359–65
Effects of cyclic AMP- and cyclic GMP- phosphodiesterase inhibitors on immunological release of histamine and on lung contraction. Frossard N, et al. **Br J Pharmacol** 1981 Aug;73(4):933–8
Pharmacological inhibition of calmodulin-sensitive phosphodiesterases. Ilien B, et al. **J Pharmacol** 1982 Apr-Jun;13(2):307–16
Isolation and assay of a phosphodiesterase inhibitor from retinal rod outer segments. Hurley JB. **Methods Enzymol** 1982;81:542–7
Selective phosphodiesterase inhibition and alterations of cardiac function by alkylated xanthines. Mushlin P, et al. **Mol Pharmacol** 1981 Jul;20(1):179–89
Effects of polyphloretin phosphate (PPP) and quinterenol of cyclic nucleotide phosphodiesterase activities. Curtis-Prior PB, et al. **Pharmacol Res Commun** 1981 Apr; 13(4):331–7

BLOOD

3',5' Cyclic nucleotide phosphodiesterase from human platelets: effect of heat upon the multiple forms and their interconversion. Pichard AL, et al. **Biochimie** 1981 Jul; 63(7):603–9
Do conventional plasma cyclic nucleotide phosphodiesterase inhibitors really work in all situations? Wood PJ, et al. **Clin Chim Acta** 1981 Sep;115(3):405–8

GENETICS

Genetic analysis of cyclic nucleotide phosphodiesterases in Drosophila melanogaster. Kiger JA Jr, et al. **Adv Cyclic Nucleotide Res** 1981;14:273–88

ISOLATION & PURIFICATION

Cyclic nucleotide phosphodiesterase from a particulate fraction of rat heart. Solubilization and characterization of a single enzymatic form. Prigent AF, et al. **Biochem Biophys Res Commun** 1981 Sep 16;102(1):355–64
Purification and characterization of the gamma regulatory subunit of the cyclic GMP phosphodiesterase from retinal rod outer segments. Hurley JB, et al. **J Biol Chem** 1982 Sep 25;257(18):11094–9
Calmodulin-activated cyclic nucleotide phosphodiesterase from brain. Changes in molecular size assessed by gel filtration and electrophoresis. Kincaid RL, et al. **J Biol Chem** 1981 Nov 10;256(21):11345–50
Light-regulated binding of proteins to photoreceptor membranes and its use for the purification of several rod cell proteins. Kühn H. **Methods Enzymol** 1982;81:556–64
Purification and characterization of a light-activated rod outer segment phosphodiesterase. Yamazaki A, et al. **Methods Enzymol** 1982;81:526–32

METABOLISM

Regulation of cyclic nucleotide phosphodiesterase activity. Vaughan M, et al. **Adv Cyclic Nucleotide Res** 1981; 14:263–71
Cyclic nucleotide phosphodiesterase activity in patients with obstructive airways disease. Polson JB, et al. **Allergol Immunopathol (Madr)** 1982 Mar-Apr;10(2):101–4
Stimulation of cyclic nucleotide phosphodiesterase by products of phosphatidylinositol metabolism catalyzed by phospholipase A2. Tai HH, et al. **Arch Biochem Biophys** 1982 Apr 1;214(2):622–7
Cyclic cuanosine 3'5' phosphate, guanylate cyclase and cyclic guanosine phosphodiesterase in the eye lens. Bizec JC, et al. **Biochem Biophys Res Commun** 1982 May 14; 106(1):108–12
Characterization of a rat liver cyclic GMP-activated phosphodiesterase by chromatography on hexyl-agarose. Inhibition of phosphodiesterase activity by hexyl-agarose. Couchie D, et al. **Biochem J** 1981 Nov 1;199(2):441–6
Activation of phosphodiesterase in frog rod outer segment by an intermediate of rhodopsin photolysis. II. Fukada Y, et al. **Biochim Biophys Acta** 1981 Jul;675(2):195–200
Activation of phosphodiesterase in frog rod outer segment by an intermediate of rhodopsin photolysis I. Fukada Y, et al. **Biochim Biophys Acta** 1981 Jul;675(2):188–94
Differential regulation of calcium-dependent and calcium-independent cyclic nucleotide phosphodiesterases from heart by palmitoylcarnitine and palmitoyl coenzyme A. Katoh N, et al. **Biochim Biophys Acta** 1982 Jan 12; 714(1):129–35
Characterization of the soluble cyclic nucleotide phosphodiesterases in Xenopus laevis oocytes. Evidence for a calmodulin-dependent enzyme. Miot F, et al. **Biochim Biophys Acta** 1982 Feb 18;701(2):253–9
Evidence for convertible forms of soluble uterine cyclic nucleotide phosphodiesterase. Strada SJ, et al. **Biochim Biophys Acta** 1981 Sep 15;661(1):12–20
Light-induced interactions between rhodopsin and the GTP-binding protein. Relation with phosphodiesterase activation. Bennett N. **Eur J Biochem** 1982 Mar; 123(1):133–9
Calmodulin and cyclic nucleotide-phosphodiesterase activities in rat mammary gland during the lactogenic cycle. Pizarro M, et al. **FEBS Lett** 1981 Dec 21; 136(1):127–30
Proteolytic activation of Ca2+-dependent cyclic nucleotide phosphodiesterase from Escherichia coli. Iwasa Y. **Horm Metab Res** 1981 Jul;13(7):414–5
Increased cyclic nucleotide phosphodiesterase activity in a mutant S49 lymphoma cell. Characterization and comparison with wild type enzyme activity. Brothers VM, et al. **J Biol Chem** 1982 Aug 25;257(16):9349–55
Ca2+-dependent interaction of 5-dimethylaminonaphthalene-1-sulfonyl-calmodulin with cyclic nucleotide phosphodiesterase, calcineurin, and troponin I. Kincaid RL, et al. **J Biol Chem** 1982 Sep 25; 257(18):10638–43

The light-activated GTP-dependent cyclic GMP phosphodiesterase complex of bovine retinal rod outer segments. Reconstitution from catalytic and regulatory proteins in the presence of membranes depleted of soluble proteins. Kohnken RE, et al. **J Biol Chem** 1981 Dec 10; 256(23):12510–6

The light-activated GTP-dependent cyclic GMP phosphodiesterase complex of bovine retinal rod outer segments. Dark resolution of the catalytic and regulatory proteins. Kohnken RE, et al. **J Biol Chem** 1981 Dec 10; 256(23):12502–9

Calmodulin-dependent cyclic nucleotide phosphodiesterases in the immature rat testis. Purvis K, et al. **J Biol Chem** 1981 Nov 25;256(22):11434–41

A GTP-protein activator of phosphodiesterase which forms in response to bleached rhodopsin. Uchida S, et al. **J Cyclic Nucleotide Res** 1981;7(2):95–104

Inhibition of separated forms of cyclic nucleotide phosphodiesterase from pig coronary arteries by 1,3-disubstituted and 1,3,8-trisubstituted xanthines. Wells JN, et al. **J Med Chem** 1981 Aug;24(8):954–8

Cyclic nucleotide phosphodiesterase and aggregation in platelets from diabetic rats. Umeda F, et al. **Metabolism** 1982 Jul;31(7):704–9

Real time assay of rod disk membrane cGMP phosphodiesterase and its controller enzymes. Liebman PA, et al. **Methods Enzymol** 1982;81:532–42

Cyclic nucleotide phosphodiesterase activities in rat erythrocytes. Téllez-Iñón MT, et al. **Mol Cell Biochem** 1982 Apr 2;43(3):161–6

Specificity of the cyclic GMP-binding activity and of a cyclic GMP-dependent cyclic GMP phosphodiesterase in Dictyostelium discoideum. van Haastert PJ, et al. **Mol Cell Endocrinol** 1982 Feb;25(2):171–82

Functional exchange of components between light-activated photoreceptor phosphodiesterase and hormone-activated adenylate cyclase systems. Bitensky MW, et al. **Proc Natl Acad Sci USA** 1982 Jun;79(11):3408–12

Reciprocal effects of an inhibitory factor on catalytic activity and noncatalytic cGMP bindin sites of rod phosphodiesterase. Yamazaki A, et al **Proc Natl Acad Sci USA** 1982 Jun;79(1.):3702–6

Cyclic nucleotides and cyclic nucleotide phosphodiesterases in kidneys from rats with experimental diabetes. Hoskins B, et al. **Res Commun Chem Pathol Pharmacol** 1981 Aug; 33(2):381–4

[Effect of nucleoside triphosphates on cyclic nucleotide phosphodiesterase: role of protein modulators] Garnovskaia MN, et al. **Biokhimiia** 1982 Feb;47(2):221–5 (Eng. Abstr.) **(Rus)**

RADIATION EFFECTS

Calmodulin-activated cyclic nucleotide phosphodiesterase from brain. Relationship of subunit structure to activity assessed by radiation inactivation. Kincaid RL, et al. **J Biol Chem** 1981 Nov 10;256(21):11351–5

2',3'-CYCLIC NUCLEOTIDE PHOSPHODIESTERASE see under **PHOSPHODIESTERASES**

CYCLIC N-OXIDES

Reliability of nitroxide spin probes in reporting membrane properties: a comparison of nitroxide- and deuterium-labeled steroids. Taylor MG, et al. **Biochemistry** 1981 Sep 1;20(18):5252–5

Structural studies on the cytochrome c oxidase proton pump using a spin-labe1 probe. Casey RP, et al. **Biochim Biophys Acta** 1981 Nov 12;638(1):86–93

Aging of the erythrocyte XIII. Decrease in nitroxide reducing capacity. Bartosz G, et al. **Biomedicine** 1981 Nov; 35(6):185–7

Conformational changes of spin-labeled membrane proteins in human erythrocytes. Yamaguchi T, et al. **FEBS Lett** 1982 May 3;141(1):53–5

Spin-labelling of DNA with hydrazine mustard spin label (HMSL). Raikova E, et al. **Int J Biochem** 1982;14(1):41–6

Electron-electron double resonance and saturation-recovery studies of nitroxide electron and nuclear spin-lattice relaxation times and Heisenberg exchange rates: lateral diffusion in dimyristoyl phosphatidylcholine. Popp CA, et al. **Proc Natl Acad Sci USA** 1982 Apr;79(8):2559–63

[New method for measuring the distances between the nitroxide spin label and paramagnetic metal ions in macromolecules] Kokorin AI, et al. **Mol Biol (Mosk)** 1981 Jul-Aug;15(4):930–8 (Eng. Abstr.) **(Rus)**

CHEMICAL SYNTHESIS

A novel reversible thiol-specific spin label: papain active site labeling and inhibition. Berliner LJ, et al. **Anal Biochem** 1982 Jan 15;119(2):450–5

[Synthesis of quaternary ammonium salts and N-oxides of anisodamine and anisodine (author's transl)] Xie JX, et al. **Yao Hsueh Hsueh Pao** 1981 Oct;16(10):762–6 (Eng. Abstr.) **(Chi)**

METABOLISM

Iron-EDTA stimulated reduction of indicine N-oxide by the hepatic microsomal fraction, isolated hepatocytes, and the intact rat. Powis G, et al. **Biochem Pharmacol** 1982 Feb 1;31(3):293–9

Disposition of indicine N-oxide in mice and monkeys. El Dareer SM, et al. **Cancer Treat Rep** 1982 Jan;66(1):183–6

[Alpha-chymotrypsin binding of spin-labelled concurrent inhibitor at different pHs] Grigorian GL, et al. **Dokl Akad Nauk SSSR** 1982;263(5):1265–7 **(Rus)**

PHARMACODYNAMICS

Spin-labeling of porcine pepsin and Rhizopus chinensis acid protease by dinzoketone reagents. Nakayama S, et al. **Biochem Biophys Res Commun** 1981 Jul 30;101(2):658–62

Reactivity of sarcoplasmic reticulum adenosinetriphosphatase with iodoacetamide spin-label: evidence for two conformational states of the substrate binding sites. Coan C, et al. **Biochemistry** 1982 Jun 22;21(13):3214–20

The effect of quaternary ammonium compounds and amine oxides on spores of Bacillus cereus. Cupková V, et al. **Folia Microbiol (Praha)** 1981;26(3):189–95

2,2,5,5-tetramethyl-1-pyrrolidinyl-oxy-3-carboxylic acid (PCA) as a potential radiosensitizer iv vivo. Hendric WR, et al. **Int J Radiat Biol** 1981 Oct;40(4):451–4

Low temperature EPR spectroscopic characterization of the interaction of cytochrome P-450cam with a spin label analog of metyrapone. Mock DM, et al. **J Biol Chem** 1982 May 25;257(10):5372–9

A study of the action of a bisquaternary ammonium salt, an amine oxide and an alkoxy phenylcarbamic acid ester on some metabolic functions in Staphylococcus aureus. Mlynarcik D, et al. **Microbios** 1981;30(119):27–35

Analytical and biological analysis of test materials from the synthetic fuel technologies. Ho CH, et al. **Mutat Res** 1981 Oct;85(5):335–45

Mutagenicities of carbadox and olaquindox--growth promoters for pigs. Yoshimura H, et al. **Mutat Res** 1981 Sep;90(1):49–55

Polyfunctional radiosensitizers. V. Sensitization of hypoxic Chinese hamster cells, V.79-753B, in vitro by a series of bifunctional nitroxyl compounds. Millar BC, et al. **Radiat Res** 1982 May;90(2):271–83

Effects of nitrous Oxide on the radiation sensitivity of Escherichia coli in the presence and absence of NPPN. Tilby MJ, et al. **Radiat Res** 1982 Mar;89(3):488–502

[Bovine liver glutamate dehydrogenase modified by 2,2,6,6-tetramethyl-4-oxopiperidine-1-oxyl: enzymatic activity and catalytic properties] Agadzhanian SA, et al. **Mol Biol (Mosk)** 1982 Mar-Apr;16(2):345–51 (Eng. Abstr.) **(Rus)**

TOXICITY

Phase I study of indicine N-oxide in patients with advanced cancer. Ohnuma T, et al. **Cancer Treat Rep** 1982 Jul; 66(7):1509–15

CYCLIZINE

PHARMACODYNAMICS

A comparison of triprolidine and cyclizine on histamine (H1) antagonism, subjective effects and performance tests in man. Hamilton M, et al. **Br J Clin Pharmacol** 1982 Mar; 13(3):441–4

POISONING

[The intoxication with cyclizin in infancy and adult age (Experiences of a contamination-information-central office) (author's transl)] Resch F, et al. **Klin Padiatr** 1982 Jan;194(1):42–5 (Eng. Abstr.) **(Ger)**

CYCLOARTENOL see under **PHYTOSTEROLS**

CYCLOBARBITAL see under **BARBITURATES**

CYCLOBUTANES

Alterations in DNA irradiated with ultraviolet radiation-I. The formation process of cyclobutylpyrimidine dimers: cross sections, action spectra and quantum yields. Garcés F, et al. **Photochem Photobiol** 1982 Jan;35(1):9–16

ADMINISTRATION & DOSAGE

[Immunotherapy of multiple recurring warts. II. Reassessment of the use of squaric acid dibutylester (SADBE) (author's transl)] Claudy AL, et al. **Ann Dermatol Venereol** 1981;108(10):765–7 (Eng. Abstr.) **(Fre)**

BIOSYNTHESIS

Moniliformin production and toxicity of different Fusarium species from Southern Africa. Rabie CJ, et al. **Appl Environ Microbiol** 1982 Mar;43(3):517–21

METABOLISM

Quantitation of cyclobutane pyrimidine dimer formation in double- and single-stranded DNA fragments of defined sequence. Gordon LK, et al. **Radiat Res** 1982 Jan; 89(1):99–112

PHARMACODYNAMICS

Enzyme inhibition and the toxic action of moniliformin and other vinylogous alpha-ketoacids. Burka LT, et al. **Biochem Pharmacol** 1982 Jan 1;31(1):79–84

TOXICITY

Hepato- and cardiotoxicity of Fusarium verticillioides (F. moniliforme) isolates from Southern African maize. Kriek NP, et al. **Food Cosmet Toxicol** 1981 Aug;19(4):447–56

Toxicity of dietary and intravenously administered moniliformin to broiler chickens. Allen NK, et al. **Poult Sci** 1981 Jul;60(7):1415–7

CYCLOCUMAROL see under **4-HYDROXYCOUMARINS**

CYCLOCYTIDINE see under **CYTARABINE**

CYCLOFENIL see under **CRESOLS**

CYCLOGUANIL PAMOATE see under **TRIAZINES**

CYCLOHEPTANES

The interactions of tropolone with magnesium ions and tubulin. Andreu JM, et al. **Biochim Biophys Acta** 1982 Feb 2;714(2):373–7

Indium-111 tropolone, a new high-affinity platelet label: preparation and evaluation of labeling parameters. Dewanjee MK, et al. **J Nucl Med** 1981 Nov;22(11):981–7

ADVERSE EFFECTS

[Psychotic episode during Halidor administration] Fazekas T, et al. **Orv Hetil** 1981 Dec;122(51):3139–42 **(Hun)**

DIAGNOSTIC USE

The labelling of blood cells in plasma with 111In-tropolonate. Danpure HJ, et al. **Br J Radiol** 1982 Mar;55(651):247–9

The comparison of 8-hydroxyquinoline, tropolone, and acetylacetone as mediators in the labelling of polymorphonuclear leucocytes with indium-111: a functional study. Burke JE, et al. **Eur J Nucl Med** 1982; 7(2):73–6

Tropolone: a lipid solubilizing agent for cationic metals. Hendershott L, et al. **Eur J Nucl Med** 1982;7(5):234–6

Re: indium-111 tropolone versus oxine [letter] Goedemans WT. **J Nucl Med** 1982 May;23(5):455–6

METABOLISM

Metabolism of azulene in rats. Hanzlik RP, et al. **Xenobiotica** 1981 Nov;11(11):779–83

CYCLOHEXANECARBOXYLIC ACIDS

Feline generalized epilepsy induced by tranexamic acid (AMCA). Pellegrini A, et al. **Epilepsia** 1982 Feb; 23(1):35–45

[Neuroleptanalgesia with valoron and droperidol in myocardial infarct] Golikov AP, et al. **Ter Arkh** 1982; 54(5):19–23 (Eng. Abstr.) **(Rus)**

ADMINISTRATION & DOSAGE

Treatment of ulcerative colitis by the direct administration of an antifibrinolytic agent as an enema. Kondo M, et al. **Hepatogastroenterology** 1981 Oct;28(5):270–3

[Clinical studies of the therapeutic effectiveness of the combination of tranexamic acid and antibiotics in otorhinolaryngology] Redaelli GA, et al. **Clin Ter** 1981 Feb 15;96(3):271–81 (Eng. Abstr.) **(Ita)**

[Cardiovascular effects of a new anesthesiological method. Hyperanalgesia with tilidine] Arienta R, et al. **Minerva Anestesiol** 1981 Aug;47(8):511–7 **(Ita)**

ADVERSE EFFECTS

Bendectin and fetal development. A study of Boston City Hospital. Morelock S, et al. **Am J Obstet Gynecol** 1982 Jan 15;142(2):209–13

Tranexamic acid, intrauterine contraceptive devices and fatal cerebral arterial thrombosis. Case report. Agnelli G, et al. **Br J Obstet Gynaecol** 1982 Aug;89(8):681–2

[2 cases of malformations of a limb in infants of mothers treated with an antiemetic in a very early phase of pregnancy] Soverchia G, et al. **Pediatr Med Chir** 1981 Jan-Feb;3(1):97–9 (Eng. Abstr.) **(Ita)**

ANALYSIS

The combined determination of indolyl-3-acetic and abscissic acid in plant materials. Knegt E, et al. **Anal Biochem** 1981 Jul 1;114(2):362–6

CEREBROSPINAL FLUID

Determination of tranexamic acid (AMCA) and fibrin/fibrinogen degradation products in cerebrospinal fluid after aneurysmal subarachnoid haemorrhage. Fodstad H, et al. **Acta Neurochir (Wien)** 1981;58(1-2):1–13

Fibrinolytic activity in CSF of patients with SAH in the acute phase measured by a rapid method (correlation with t-AMCA concentration in CSF. Nishimatsu T, et al. **Neurol Med Chir (Tokyo)** 1981 Jan;21(1):85–93

CHEMICAL SYNTHESIS

[Stereochemistry of fencibutirol. Preparation and choleretic

activity of its geometric isomer] Cantarelli G, et al. **Farmaco [Sci]** 1982 May;37(5):304–9 **(Ita)**

METABOLISM

Chorismate mutase-catalyzed reaction of (+/-)-chorismic acid. Hoare JH, et al. **Biochem Biophys Res Commun** 1982 May 31;106(2):660–2

Gabaculine and m-carboxyphenyl-pyridoxamine 5-phosphate as probes of the catalytic binding sites of 4-aminobutyrate aminotransferase. Kim DS, et al. **Eur J Biochem** 1981 Aug;118(2):303–8

Pharmacokinetics and bioavailability of tranexamic acid. Pilbrant A, et al. **Eur J Clin Pharmacol** 1981;20(1):65–72

[Microbiological hydroxylation of fencibutirol. Isolation and choleretic activity of a metabolite] Cantarelli G, et al **Farmaco [Sci]** 1982 May;37(5):310–8 (Eng. Abstr.) **(Ita)**

PHARMACODYNAMICS

Effect of GABA and isogabaculine on ornithine decarboxylase and putrescine metabolism. Diekema KA, et al. **Am J Physiol** 1982 Jul;243(1):C35–8

Influence of tranexamic acid on tumour blood flow. Sundbeck A, et al. **Anticancer Res** 1981;1(3):141–8

Influence of tranexamic acid on tumour vascularization. An experimental microangiographic study. Sundbeck A, et al. **Anticancer Res** 1981;1(5):295–8

Inhibition of tumour vascularization by tranexamic acid. Experimental studies on possible mechanisms. Sundbeck A, et al. **Anticancer Res** 1981;1(5):299–304

Inhibition of nuclear uptake and ATP-Sepharose binding of progesterone-receptor complex by aurintricarboxylic acid. Moudgil VK, et al. **Arch Biochem Biophys** 1982 Jan; 213(1):98–108

Effects of tranexamic acid on the coagulation and fibrinolytic systems in pregnancy complicated by placental bleeding. Walzman M, et al. **Arch Toxicol [Suppl]** 1982;5:214–20

Aurintriboxylic acid as both a stimulator and an inhibitor of cell-free protein synthesis by rat heart polyribosomes. Mackie CM, et al. **Biochem Biophys Res Commun** 1982 Jan 29;104(2):750–7

Inhibition of nuclear ribonuclease activity during transcription in vitro by aurintricarboxylic acid and vanadyl ribooncleoside complexes. Schulz-Harder B, et al. **Biochem Biophys Res Commun** 1982 Feb 11;104(3):903–10

Antagonism of calcium-induced contraction in potassium-depolarized rabbit detrusor muscle strips by dicyclomine hydrochloride and rociverine. Downie JW, et al. **Can J Physiol Pharmacol** 1981 Aug;59(8):853–6

Kinetic studies on inhibition of aminopropyltransferases by aurintricarboxylic acid in vitro. Hibasami H, et al. **Chem Biol Interact** 1982 Jul 1;40(3):319–23

Effect of tranexamic acid on the fibrinolytic activity of human uterine fluid. Casslén B. **Contraception** 1982 Feb; 25(2):191–7

Expression of conserved message of poly (A) polymerase through hormonal control in wheat aleurone layers. Berry M, et al. **FEBS Lett** 1982 May 17;141(2):164–8

Effect of tranexamic acid on the growth and metastasis of V2 carcinoma in rabbits. Kodama Y, et al. **Gan** 1981 Jun; 72(3):411–6

Inhibitory effects of aryl trans-4-(aminomethyl)cyclohexanecarboxylate and aryl trans-4-(guanidinomethyl)cyclohexanecarboxylate on serine proteases, and their antiallergic effects. Muramatu M, et al. **Hoppe Seylers Z Physiol Chem** 1982 Mar; 363(3):203–11

The use of inhibitors of GABA-transaminase for the determination of GABA turnover in mouse brain regions: an evaluation of aminooxyacetic acid and gabaculine. Bernasconi R, et al. **J Neurochem** 1982 Jan;38(1):57–66

Interactions of di-n-propylacetate, gabaculine, and aminooxyacetic acid: anticonvulsant activity and the gamma-aminobutyrate system. Wood JD, et al. **J Neurochem** 1981 Dec;37(6):1440–7

The influence of tilidine and prazepam on withdrawal reflex, skin resistance reaction and pain rating in man. Bromm B, et al. **Pain** 1982 Mar;12(3):247–58

Conversion of Glu-plasminogen to plasmin by urokinase in the presence of tranexamic acid. Takada A, et al. **Thromb Res** 1981 May 15;22(4):437–43

[Effects of cimetidine and cetraxate on the biosynthetic activity of mucus glycoproteins in organ culture of rat gastric mucosa (author's transl)] Ishihara K, et al. **Nippon Shokakibyo Gakkai Zasshi** 1981 Oct; 78(10):1896–900 (Eng. Abstr.) **(Jpn)**

[Effect of aurintricarboxylic acid on the synthesis of virus-specific subgenome RNA in the tobacco mosaic virus] Miroshnichenko NA, et al. **Biol Nauki** 1981;(10):23–7 **(Rus)**

THERAPEUTIC USE

Fibrinolytic activity of cerebral tissue after experimental subarachnoid haemorrhage: inhibitory effect of tranexamic acid (AMCA). Fodstad H, et al. **Acta Neurol Scand** 1981 Jul;64(1):29–46

Tranexamic acid in the prevention of secondary haemorrhage after traumatic hyphaema. Uusitalo RJ, et al. **Acta Ophthalmol (Copenh)** 1981 Aug;59(4):539–45

The prevention of secondary traumatic hyphema. Dralands L, et al. **Bull Soc Belge Ophtalmol** 1981;193:77–8

A new combination of drugs intended to be used as a preventive measure for the postextraction complications. A preliminary report. Syrjänen SM, et al. **Int J Oral Surg** 1981 Feb;10(1):17–22

Comparative clinical trial of epsilon amino-caproic acid and tranexamic acid in the prevention of early recurrence of subarachnoid haemorrhage. Chowdhary UM, et al. **J Neurol Neurosurg Psychiatry** 1981 Sep;44(9):810–3

Tranexamic acid therapy in ulcerative colitis. Hollanders D, et al. **Postgrad Med J** 1982 Feb;58(676):87–91

[Cetraxate in duodenal ulcer, a double-blind clinical study (author's transl)] Yu JY, et al. **Taiwan I Hsueh Hui Tsa Chih** 1981 Apr;80(4):442–8 (Eng. Abstr.) **(Chi)**

[The treatment of accident caused and postoperative pain conditions in children with Valoron N or else Valoron] Hauptmann A. **ZFA (Stuttgart)** 1981 Oct 31;57(30):2096–8 **(Ger)**

[Controlled clinical study of tranexamic acid in the treatment of inflammatory otorhinolaryngological diseases] Magri M. **Clin Ter** 1981 Feb 15;96(3):251–61 (Eng. Abstr.) **(Ita)**

CYCLOHEXANES

The epoxide hydrolase catalyzed hydrolysis of trans-3-bromo-1,2-epoxycyclohexane. A direct proof for a general base catalyzed mechanism of the enzymatic hydration. Bellucci G, et al. **Biochem Biophys Res Commun** 1981 Oct 15;102(3):838–44

Degradation by cultured fibroblasts and macrophages of unmodified and 1,2-cyclohexanedione-modified low-density lipoprotein from normal and homozygous familial hypercholesterolaemic subjects. Knight BL, et al. **Biochem J** 1982 Jan 15;202(1):145–52

Application of cyclohexane in separation of water from biological and environmental samples [letter] Moghissi AA. **Health Phys** 1981 Aug;41(2):413–4

Location of the intermediate and high affinity omega-aminocarboxylic acid-binding sites in human plasminogen. Váli Z, et al. **J Biol Chem** 1982 Feb 25; 257(4):2104–10

Retinal degeneration during clinical scrapie encephalopathy in hamsters. Buyukmihci N, et al. **J Comp Neurol** 1982 Feb 20;205(2):153–60

ANALYSIS

Exposure to isophorone and other organic solvents in a screen printing plant. Samimi B. **Am Ind Hyg Assoc J** 1982 Jan;43(1):43–8

METABOLISM

Distribution and elimination routes of a naphthenic hydrocarbon (dodecylcyclohexane) in rainbow trout (Salmo gairdneri). Cravedi JP, et al. **Bull Environ Contam Toxicol** 1981 Mar;26(3):337–44

Accumulation, distribution and depuration in trout of naphthenic and isoprenoid hydrocarbons (dodecylcyclohexane and pristane). Cravedi JP, et al. **Bull Environ Contam Toxicol** 1982 Feb;28(2):154–61

Biotransformation of butylated hydroxytoluene (BHT) to BHT-quinone methide in rats. Tajima K, et al. **Chem Pharm Bull (Tokyo)** 1981 Dec;29(12):3738–41

Phencyclidine and phenylcyclohexene disposition after smoking phencyclidine. Cook CE, et al. **Clin Pharmacol Ther** 1982 May;31(5):635–41

A comparative study on the metabolism of d-limonene and 4-vinylcyclohex-1-ene by hepatic microsomes. Watabe T, et al. **Xenobiotica** 1981 May;11(5):333–44

[Preliminary results on the metabolism of 1,3-cyclohexadiene in isolates rat hepatocytes] Lippi A, et al. **Boll Soc Ital Biol Sper** 1982 Jan;58(1-2):1–7 (Eng. Abstr.) **(Ita)**

PHARMACODYNAMICS

Cardiodynamics in the rhesus macaque during dissociative anesthesia. Booker JL Jr, et al. **Am J Vet Res** 1982 Apr; 43(4):671–5

Effects of epoxide hydratase inhibitors in forward and reversion bacterial mutagenesis assay systems. Guest D, et al. **Environ Mutagen** 1980;2(1):27–34

The effect of the hypocholesteremic drug, AY 9944 on the synthesis of bile salts in rat liver. Botham KM, et al. **Eur J Biochem** 1981 Sep 1;118(3):501–5

Reactivity of D-amino acid oxidase with 1,2-cyclohexanedione: evidence for one arginine in the substrate-binding site. Ferti C, et al. **Eur J Biochem** 1981 Oct;119(3):553–7

Effect of cuprizone feeding on hepatic superoxide dismutase and cytochrome oxidase activities in mice. De AK, et al. **Experientia** 1982 Jul 15;38(7):784–5

The effect of selective modification of the arginyl residues of partially-metabolized very low density lipoproteins on their uptake by the liver. Suri BS, et al. **FEBS Lett** 1981 Oct 26;133(2):283–6

Inhibition of phylloquinone epoxide-dependent carboxylation of microsomal proteins from rat liver by 2,6-di-tert-butyl-4-methylene-2,5-cyclohexadienone. Takahashi O, et al. **Food Cosmet Toxicol** 1981 Dec; 19(6):701–6

Chemical modifications of Serratia marcescens anthranilate synthase component I. Tso JY, et al. **J Biol Chem** 1981 Oct 10;256(19):9901–8

Inhibition of lectin-induced lymphocyte activation by 2-cyclohexene-1-one: decreased intracellular glutathione inhibits an early event in the activation sequence. Fischman CM, et al. **J Immunol** 1981 Dec;127(6):2257–62

Alkylating properties and genetic activity of 4-vinylcyclohexene metabolites and structurally related epoxides. Turchi G, et al. **Mutat Res** 1981 Oct;83(3):419–30

Neuropharmacological effects of isomers of hexachlorocyclohexane--3. An account of the convulsant activity of the gamma-isomer in rats. Stein K, et al. **Neuropharmacology** 1981 Nov;20(11):1017–24

TOXICITY

Experimental neurotoxicity and urinary metabolites of the C5-C7 aliphatic hydrocarbons used as glue solvents in shoe manufacture. Frontali N, et al. **Clin Toxicol** 1981 Dec; 18(12):1357–67

Burden and dose-related neurochemical effects of intermittent cyclohexane vapour inhalation in rats. Savolainen H, et al. **Toxicol Lett** 1980 Nov;7(1):17–22

CYCLOHEXANOLS

[Tramadol in general anesthesia] Najbrt J. **Rozhl Chir** 1982 Mar;61(3):173–5 (Eng. Abstr.) **(Cze)**

[The clinical usefulness of Tramadol-infusion anaesthesia (author's transl)] Rothhammer A, et al. **Anaesthesist** 1981 Dec;30(12):619–22 (Eng. Abstr.) **(Ger)**

[The use of tramadol-HCl (Tramal) as adjuvant in regional anaesthesia. Clinical report (author's transl)] Günther W. **Reg Anaesth** 1982 Jan;5(1):20–1 (Eng. Abstr.) **(Ger)**

ISOLATION & PURIFICATION

Gadusol, an enolic derivative of cyclohexane-1,3-dione present in the roes of cod and other marine fish. Isolation, properties and occurrence compared with ascorbic acid. Plack PA, et al. **Biochem J** 1981 Dec 1;199(3):741–7

METABOLISM

[Biotransformation of tramadol in man and animal (author's transl)] Lintz W, et al. **Arzneimittelforsch** 1981; 31(11):1932–43 (Eng. Abstr.) **(Ger)**

PHARMACODYNAMICS

Effect of nicomol on high density lipoprotein (HDL) subfractions, HDL2e and HDL3e, separated by electrophoresis. Ikeda S, et al. **Acta Med Okayama** 1981 Apr;35(2):143–8

Effect of the opioid analgesic tramadol on inactivation of norepinephrine and serotonin. Hennies HH, et al. **Biochem Pharmacol** 1982 Apr 15;31(8):1654–5

THERAPEUTIC USE

[A doubleblind comparison of tramadol and buprenorphine in the control of postoperative pain (author's transl)] Alon E, et al. **Anaesthesist** 1981 Dec;30(12):623–6 (Eng. Abstr.) **(Ger)**

[The influence of buprenorphine and tramadol on the postoperative CO2 response after general anaesthesia (author's transl)] Klose R, et al. **Anasth Intensivther Notfallmed** 1982 Feb;17(1):29–34 (Eng. Abstr.) **(Ger)**

[Tramadol during the postoperative period] Paravicini D, et al. **Anasth Intensivther Notfallmed** 1981 Aug;16(4):191–6 (Eng. Abstr.) **(Ger)**

[Clinical trial with the analgesic tramadol. Report of experience in a surgical practice] von Pollak E, et al. **Med Welt** 1982 Jan 29;33(4):144–7 **(Ger)**

CYCLOHEXANONES see under **CYCLOHEXANES**

CYCLOHEXIMIDE

ADMINISTRATION & DOSAGE

Diminished toxicity of methotrexate in CD2F1 mice pretreated with cycloheximide. Panasci L, et al. **Cancer Lett** 1982 Jan;15(1):81–6

The effect of intravenously injected Ehrlich ascites tumour cells in cycloheximide-treated mice. Parry EW. **Gan** 1980 Dec;71(6):907–9

METABOLISM

The polygenic system of cycloheximide inactivation in Schizophyllum commune. Nečšek J, et al. **Folia Microbiol (Praha)** 1981;26(5):351–7

PHARMACODYNAMICS

The influence of inhibitors of RNA and protein synthesis on dexamethasone action in carrageenin paw edema and adjuvant arthritis of rats. Hirschelmann R, et al. **Agents Actions [Suppl]** 1982;10:233–40

Effect of cycloheximide on corticosteroid-induced changes in colonic function. Charney AN, et al. **Am J Physiol** 1982 Aug;243(2):G112–6

Reduction in pancreatic protein and amylase content after intraductal 5-azacytidine and cycloheximide. Mann NS. **Am J Proctol Gastroenterol Colon Rectal Surg** 1981 Nov; 32(11):7–10

Operant, open-field and tonic immobility behaviours in chickens with forebrain injections of cycloheximide or glutamate. Sanberg PR, et al. **Behav Brain Res** 1982 Jan; 4(1):19–32

Potentiation of metrazol convulsions in chickens after neonatal injections of cycloheximide or glutamate. Sanberg PR, et al. **Behav Brain Res** 1982 Feb;4(2):217–20

Effect of lutropin and cycloheximide on lutropin receptors and cyclic AMP production in Leydig tumour cells in vitro. Dix CJ, et al. **Biochem J** 1981 Jun 15;196(3):713–9

The effects of cycloheximide on the biosynthesis and secretion of proteoglycans by chondrocytes in culture. Mitchell D, et al. **Biochem J** 1981 May 15;196(2):521–9

Effects of inhibition of protein synthesis by cycloheximide on lipogenesis in mammary gland and liver of lactating rats. Roberts AF, et al. **Biochem J** 1982 May 15; 204(2):417–23

Effect of cycloheximide, beta-D-xylosides and beta-D-galactosides on heparin biosynthesis in mouse mastocytoma. Robinson HC, et al. **Biochem J** 1981 Feb 15;194(2):575–86

The effect of cycloheximide on the glycosylation of lactating-rabbit mammary glycoproteins. White DA, et al. **Biochem J** 1980 Oct 15;192(1):297–301

Effect of cycloheximide on the incorporation of [14C]glucosamine into UDP-N-acetylglucosamine, cell free and protein-bound N-acetylneuraminic acid, and plasma membrane glycoproteins of chicken liver. Chelibonova-Lorer H, et al. **Biochem Pharmacol** 1982 Jun 1;31(11):2123–5

Initial inhibition and recovery of protein synthesis in cycloheximide-treated hepatocytes. Helinek TG, et al. **Biochem Pharmacol** 1982 Apr 1;31(7):1219–25

Effects of adrenocorticotropin and cycloheximide on adrenal diglyceride kinase. Farese RV, et al. **Biochemistry** 1981 Oct 13;20(21):6047–51

Effects of dibutyryl cyclic AMP and theophylline on rat pancreatic phospholipids in vitro. Ca2+-sensitive decrease in phosphatidylinositol and cycloheximide-sensitive increase in phosphatidic acid. Farese RV, et al. **Biochim Biophys Acta** 1981 Sep 24;665(3):463–70

Effects of inhibitors of DNA synthesis and protein synthesis on the rate of DNA synthesis after exposure of mammalian cells to ultraviolet light. Griffiths TD, et al. **Biochim Biophys Acta** 1981 Nov 27;656(1):55–61

Effect of inhibitors of protein synthesis on rat liver spermidine N-acetyltransferase. Matsui I, et al. **Biochim Biophys Acta** 1981 Jul 17;675(3-4):373–8

Decreased osmotic fragility of rat liver lysosomes after cycloheximide treatment. Zuretti MF, et al. **Boll Soc Ital Biol Sper** 1981 Mar 30;57(6):600–3

The effects of intracerebroventricular cycloheximide on protein synthesis and fever in rabbits. Cranston WI, et al. **Br J Pharmacol** 1981 May;73(1):6–8

Cycloheximide activation of the lordotic response in low-dose, estrogen-treated ovariectomized rats: evidence for modulating inhibitory influences of the limbic system on sexual behavior. Renner KJ, et al. **Brain Res** 1981 Oct 19;222(2):432–6

Regulation of ribosome phosphorylation and antibiotic sensitivity in Tetrahymena thermophila: A correlation. Hallberg RL, et al. **Cell** 1981 Oct;26(1 Pt 1):47–56

Changes in corticotropic responsiveness and mitochondrial ultrastructure of adrenocortical cells from the inner zone of the duck (Anas platyrhynchos) adrenal gland: the effects of cycloheximide, puromycin, and chloramphenicol. Pearce RB, et al. **Cell Tissue Res** 1981;221(1):45–57

Modification of transcriptional activity induced by protein synthesis inhibitors in salivary gland cells of Chironomus thummi. Aller P, et al. **Cytobios** 1981;31(123-124):179–90

Kinetic aspects of cycloheximide-induced reversal of adrenocorticotropin effects on steroidogenesis and phospholipid metabolism in rat adrenal sections in vitro. Farese RV, et al. **Endocrinology** 1981 Nov;109(5):1424–7

Adrenocorticotropin and adenosine 3',5'-monophosphate stimulate de novo synthesis of adrenal phosphatidic acid by a cycloheximide-sensitive, CA++-dependent mechanism. Farese RV, et al. **Endocrinology** 1981 Dec; 109(6):1895–901

Paradoxical effects of cycloheximide on the ultra-rapid induction of two hepatic mRNA sequences by triiodothyronine (T3). Seelig S, et al. **Endocrinology** 1982 Feb;110(2):671–3

Amino acid replacements in ribosomal protein YL24 of Saccharomyces cerevisiae causing resistance to cycloheximide. Stöcklein W, et al. **FEBS Lett** 1981 Dec 28;136(2):265–8

Cycloheximide treatment modifies the pattern of 'metastasis' following intravenous injection of Ehrlich ascites tumour cells. Parry EW. **Gan** 1981 Jun;72(3):464–7

Effect of cycloheximide on the induction of metallothionein and acute toxicity of cadmium in mice. Sugawara N, et al. **Ind Health** 1981;19(3):177–84

Cycloheximide & mitomycin C inhibited production of dengue virus-induced suppressor factor. Shukla MI, et al. **Indian J Exp Biol** 1981 Sep;19(9):826–8

Increased permeability to sugar following muscle contraction. Inhibitors of protein synthesis prevent reversal of the increase in 3-methylglucose transport rate. Garthwaite SM, et al. **J Biol Chem** 1982 May 10; 257(9):5008–12

Effects of methotrexate on ribonucleotide pools in growing and in growth-arrested tumor cells and antagonism by RNA synthesis inhibitors. Kaminskas E. **J Biol Chem** 1982 Apr 25;257(8):4279–84

Resolution of high and low affinity epidermal growth factor receptors. Inhibition of high affinity component by low temperature, cycloheximide, and phorbol esters. King AC, et al. **J Biol Chem** 1982 Mar 25;257(6):3053–60

Effects of cycloheximide and actinomycin D on the amino acid transport system of Tetrahymena. Blum JJ. **J Cell Physiol** 1982 Apr;111(1):104–10

Effect of cycloheximide and dexamethasone phosphate on hyaluronic acid synthesis and secretion in cultured human skin fibroblasts. Mapleson JL, et al. **J Cell Physiol** 1981 Nov;109(2):215–22

Nucleosome segregation in chromatin replicated in the presence of cycloheximide. Pospelov V, et al. **J Mol Biol** 1982 Mar 25;156(1):79–91

The effects of Cycloheximide and Anisomycin on monoamine synthesis in a brain synaptosome preparation. Schweri MM, et al. **J Neural Transm** 1982;54(1-2):41–50

Ethanol and cycloheximide alter protein and RNA synthesis of Cox astrocytoma cells in culture. Fleming EW, et al. **J Neurosci Res** 1981;6(4):511–24

The effect of ether stress and cycloheximide treatment on cholesterol binding and enzyme turnover of adrenal cortical cytochrome P450scc. von Dippe PJ, et al. **J Steroid Biochem** 1982 Jun;16(6):763–9

Cycloheximide: an adrenergic agent. Huerta-Bahena J, et al. **Life Sci** 1982 May 17;30(20):1757–62

Transcription in aging: the response of rat liver nuclear RNA polymerases to cycloheximide in vivo. Lindell TJ, et al. **Mech Ageing Dev** 1982 May;19(1):63–71

Oestrogen-induced increase in uterine cGMP content in vitro: effects of inhibitors of protein and RNA synthesis. Flandroy L, et al. **Mol Cell Endocrinol** 1982 Jan;25(1):49–54

Molecular cloning and analysis of yeast gene for cycloheximide resistance and ribosomal protein L29. Fried HM, et al. **Nucleic Acids Res** 1982 May 25;10(10):3133–48

Effects of cycloheximide and puromycin on learning and retention in the cockroach, P. americana. Barraco DA, et al. **Pharmacol Biochem Behav** 1981 Sep;15(3):489–94

Effects of cycloheximide, puromycin and actinomycin D on the spontaneous motility of isolated rat uterus. Bonacossa A, et al. **Pharmacol Res Commun** 1982 May;14(5):455–67

Protein synthesis inhibition and amnesia for saccharin aversion memory in rats after intra-cisternal administration of cycloheximide. Tucker AR, et al. **Physiol Behav** 1982 Jun;28(6):1025–8

Modification of the heat response and thermotolerance by cycloheximide, hydroxyurea, and lucanthone in CHO cells. Henle KJ, et al. **Radiat Res** 1982 May;90(2):339–47

Protective effect of cycloheximide on the response of rat hind limbs to X irradiation. Weissberg JB, et al. **Radiat Res** 1981 Dec;88(3):597–606

Studies on developmental biology of embryogenesis in higher plants—effect of actinomycin D and cycloheximide on the formation of peroxidase during rice and embryogenesis and germination. Zhu ZP, et al. **Sci Sin** 1981 Dec;24(12):1732–6

Effects of inhibitor of protein synthesis on sleep in rats. Uezu E, et al. **Tokushima J Exp Med** 1981 Jun;28(1-2):9–16

[Effect of cycloheximide on the alkaline and acid DNAse activity in rat cells] Ivannik BP, et al. **Biokhimiia** 1982 May; 47(5):746–51 (Eng. Abstr.) **(Rus)**

[Replicative methylation of DNA in L-cells: effect of S-isobutyladenosine and cycloheximide and possible existence of two DNA-methylases] Kir'ianov GI, et al. **Biokhimiia** 1982 Jan;47(1):153–61 (Eng. Abstr.) **(Rus)**

[Effect of iron, actinomycin D and cycloheximide on the GTP-cyclohydrolase synthesis in flavinogenic yeasts] Logvinenko EM, et al. **Biokhimiia** 1982 Jan;47(1):28–31 (Eng. Abstr.) **(Rus)**

[Effect of cycloheximide on the expression of mutation in the sup2 gene of Saccharomyces cerevisiae yeasts] Ter-Avanesian MD, et al. **Genetika (Moskva)** 1982 Feb; 18(2):223–6 **(Rus)**

[Effect of cycloheximide and actinomycin D on the makeup of Blakeslea trispora cell walls] Tereshina VM, et al. **Mikrobiologiia** 1981 May-Jun;50(3):442–5 **(Rus)**

[Effect of cycloheximide on glucan biosynthesis in the growth process of Saccharomyces carlsbergensis yeasts] Vagabov VM, et al. **Mikrobiologiia** 1981 Sep-Oct; 50(5):823–8 (Eng. Abstr.) **(Rus)**

[Chromatin fractionation by ultrasound and DNAse II and the use of specific inhibitors for studying the RNA-synthesizing activity of the chromatin fractions] Komkova AI, et al. **Nerv Sist** 1980;21:18–24 **(Rus)**

[Biological activity of tRNA in rat liver during cycloheximide-blocked translation] Goncharov NI. **Ukr Biokhim Zh** 1982 Mar-Apr;54(2):204–7 (Eng. Abstr.) **(Rus)**

[Interrelation between protein synthesis and nucleo-cytoplasmic transport of messenger RNA in cells of rat livers in different stages of regeneration] Arbuzov VA, et al. **Vopr Med Khim** 1981;27(4):552–9 (Eng. Abstr.) **(Rus)**

[Effect of inhibitors of protein biosynthesis on integrative functions of the cerebral cortex during elaboration and consolidation of defensive conditioned reactions] Timofeev NA, et al. **Zh Vyssh Nerv Deiat** 1981 Nov-Dec; 31(6):1198–1206 (Eng. Abstr.) **(Rus)**

THERAPEUTIC USE

Topical cytostatic drugs in the treatment of skin cancer. du Vivier A. **Clin Exp Dermatol** 1982 Jan;7(1):89–92

Effect of actinomycin D and cycloheximide on experimental myocardial infarction in rats. Leprán I, et al. **Eur J Pharmacol** 1982 Jan 22;77(2-3):197–9

TOXICITY

Interactions between cycloheximide and T-locus alleles during mouse embryogenesis. Lary JM, et al. **Teratology** 1982 Jun;25(3):345–9

CYCLOHEXYLAMINES

[Effects of phospholipids on oxidative demethylation of dimethylcyclohexylamine by cumene hydroperoxide involving methemoglobin] Kiseleva SN, et al. **Biokhimiia** 1981 Dec;46(12):2179–84 (Eng. Abstr.) **(Rus)**

PHARMACODYNAMICS

Selective fungitoxicity of cyclohexylamine and related aromatic amines. Gindrat D. **Experientia** 1981 Nov 15; 37(11):1163–5

TOXICITY

[Long-term effects of exposure to inhibitors of metal corrosion] Paustovskaia VV, et al. **Vrach Delo** 1981 Nov; (11):100–3 **(Rus)**

CYCLOLEUCINE see under **AMINO ACIDS**

CYCLOPARAFFINS

PHARMACODYNAMICS

[Pharmacological studies on Schizandra fruit. I. General pharmacological effects of gomisin A and schizandrin (author's transl)] Maeda S, et al. **Yakugaku Zasshi** 1981 Nov;101(11):1030–41 (Eng. Abstr.) **(Jpn)**

TOXICITY

[Comparative studies on toxicity of various dielectrics, petroleum derivatives, used in electroerosion technology. IV. Morphological and cytoenzymatic changes in the lungs and acid-base imbalance in rats chronically exposed to petroleum hydrocarbons] Starek A, et al. **Med Pr** 1981; 32(2):69–81 (Eng. Abstr.) **(Pol)**

CYCLOPENTANES

CHEMICAL SYNTHESIS

Synthesis and peripheral cardiovascular action of cis- and trans-2-(3,4-dimethoxybenzyl)cyclopentylamine hydrochlorides. Teller SR, et al. **J Med Chem** 1982 Mar; 25(3):227–31

Synthesis of cyclopentanoid analogs of diacylglycerophosphate. Hancock AJ. **Methods Enzymol** 1981;72:640–72

Studies in Stobbe condensation. Part 7: Synthesis and biological activity of some new cyclopentadienones and cyclopentadienes. Moussa HH, et al. **Pharmazie** 1982 May; 37(5):352–4

METABOLISM

Analogs of natural lipids. VII. Synthesis of cyclopentanoid analogs of phosphatidylcholine. Hancock AJ, et al. **J Lipid Res** 1982 Jan;23(1):183–9

PHARMACODYNAMICS

Comparison in normal volunteers of three converting enzyme inhibitors: RHC 3659, MK 421 and captopril. Burnier M, et al. **Am J Cardiol** 1982 Apr 21;49(6):1550–1

RHC 3659: a new orally active angiotensin converting enzyme inhibitor in normal volunteers. Burnier M, et al. **Br J Clin Pharmacol** 1981 Dec;12(6):893–9

Inhibition of phenylalanine hydroxylase, a pterin-requiring monooxygenase, by oudenone and its derivatives. Koizumi S, et al. **J Antibiot (Tokyo)** 1982 Apr;35(4):458–62

DPN-linked sn-glycerol-3-phosphate dehydrogenase. Cyclopentanoid analogues mimic the active rotameric state of the natural substrate. Weissman JD, et al. **J Biol Chem** 1982 Apr 10;257(7):3618–22

A new nontricyclic antidepressant agent. Synthesis and activity of N-[trans-2-(dimethylamino)cyclopentyl]-N-(3,4-dichloro and related compounds. Szmuszkovicz J, et al. **J Med Chem** 1981 Oct;24(10):1230–6

CYCLOPENTHIAZIDE see under **DIURETICS, THIAZIDE**

CYCLOPENTOLATE see under **PHENYLACETATES**

CYCLOPHOSPHAMIDE

Some considerations about limits of cyclophosphamide solubility in cancer research on small animals [letter] Anagnou J. **Cancer Res** 1981 Nov;41(11 Pt 1):4737

Pregnancy following combination chemotherapy for a mixed

germ cell tumor of the ovary. Schwartz PE, et al. **Gynecol Oncol** 1981 Dec;12(3):373–8

ADMINISTRATION & DOSAGE

Oral retinoid in combination with bleomycin, cyclophosphamide, prednisone and transfer factor in mycosis fungoides. Zachariae H, et al. **Acta Derm Venereol (Stockh)** 1982;62(2):162–4

Comparison of vincristine utilized simultaneously or 24 hours before cyclophosphamide in maintenance regimen of acute lymphoblastic leukemia of children: a report of Childrens Cancer Study Group. Krivit W, et al. **Am J Pediatr Hematol Oncol** 1981 Fall;3(3):227–31

Combination chemotherapy study for remission maintenance in ALL: an evaluation of vincristine, cyclophosphamide and vincristine, cyclophosphamide, and BCNU: a Southwest Oncology Group Phase II Study. Sexauer CL, et al. **Am J Pediatr Hematol Oncol** 1981 Fall;3(3):255–7

Chemotherapy of disseminated malignant melanoma with imidazol carboxamide (DTIC) and cyclophosphamide. Preliminary results. Rudolf Z, et al. **Anticancer Res** 1982 Jan–Apr;2(1–2):37–9

Advanced ovarian cancer: a prospective randomised trial of chlorambucil versus combined cyclophosphamide and cis-diamminedichloroplatinum. Bell DR, et al. **Aust NZ J Med** 1982 Jun;12(3):245–9

Prognostic factors in COPP-treated patients with Hodgkin's disease. Gassmann W, et al. **Blut** 1982 Jun;44(6):339–48

A complete response in metastatic malignant thymoma to cis-platinum, doxorubicin and cyclophosphamide: a case report. Campbell MG, et al. **Cancer** 1981 Sep 15; 48(6):1315–7

Correlation of estrogen receptors and response to chemotherapy of cyclophosphamide, methotrexate, and 5-fluorouracil (CMF) in advanced breast cancer. Chang JC, et al. **Cancer** 1981 Dec 1;48(11):2503–6

A randomized prospective comparison of intermittent methotrexate, methotrexate with leucovorin, and a methotrexate combination in head and neck cancer. DeConti RC, et al. **Cancer** 1981 Sep 1;48(5):1061–72

Multifocal relapse after concurrent chemotherapy and radiotherapy of small cell lung cancer. Kreisman H, et al. **Cancer** 1982 Sep 1;50(5):873–6

A randomized comparison of cyclophosphamide, DTIC with or without piperazinedione in metastatic malignant melanoma. Presant CA, et al. **Cancer** 1982 Apr 1; 49(7):1355–7

High-dose cyclophosphamide with autologous marrow transplantation as initial treatment of small cell carcinoma of the bronchus. Souhami RL, et al. **Cancer Chemother Pharmacol** 1982;8(1):31–4

Phase I trials of WR2721 in combination with radiation therapy and with the alkylating agents cyclophosphamide and cis-platinum. Kligerman MM, et al. **Cancer Clin Trials** 1981 Winter;4(4):469–74

Chemotherapy of disseminated seminoma with combination of cis-diamminedichloroplatinum (II) and cyclophosphamide. Vugrin D, et al. **Cancer Clin Trials** 1981 Winter;4(4):423–7

Phase II study of a high-dose regimen of cyclophosphamide and prednisolone in advanced non-Hodgkin's lymphoma of favorable histologic type. Bell R, et al. **Cancer Treat Rep** 1982 Feb;66(2):377–80

Cisplatin, cyclophosphamide, and prednisone therapy for stage D prostatic cancer. Berry J, et al. **Cancer Treat Rep** 1982 Jun;66(6):1403–4

Adjuvant combination chemotherapy for operable breast cancer. Trials in progress at the Istituto Nazionale Tumori of Milan. Bonadonna G, et al. **Cancer Treat Rep** 1981;65 Suppl 1:61–5

Treatment of advanced plasma cell myeloma with weekly cyclophosphamide and alternate-day prednisone. Brandes LJ, et al. **Cancer Treat Rep** 1982 Jun;66(6):1413–5

Phase II trial cisplatin, doxorubicin, and cyclophosphamide (CAP) in the treatment of urothelial transitional cell carcinoma. Campbell M, et al. **Cancer Treat Rep** 1981 Sep-Oct;65(9–10):897–9

Combination chemotherapy for bronchogenic carcinoma with doxorubicin, BCNU, and cyclophosphamide (ABC): a pilot study of the Southeastern Cancer Study Group. Denes AE, et al. **Cancer Treat Rep** 1982 Jan;66(1):199–200

Cyclophosphamide, doxorubicin, and cisplatin in the treatment of non-small cell bronchogenic carcinoma. Evans WK, et al. **Cancer Treat Rep** 1981 Nov-Dec; 65(11–12):947–54

Combination chemotherapy with cyclophosphamide and ftorafur against advanced L1210 murine leukemia. Grossie VB Jr, et al. **Cancer Treat Rep** 1982 Aug;66(8):1631–4

Cyclophosphamide, doxorubicin, and cisplatin in the treatment of advanced non-small cell lung cancer. Knost JA, et al. **Cancer Treat Rep** 1981 Nov-Dec;65(11–12):941–5

Combination chemotherapy with cyclophosphamide, vincristine, and prednisone (CVP) in TNM-classified stage IV mycosis fungoides. Tirelli U, et al. **Cancer Treat Rep** 1982 Jan;66(1):167–9

Cyclophosphamide pretreatment in tumor cryotherapy: a murine model. Cooper AJ, et al. **Cryobiology** 1981 Dec; 18(6):577–84

Wegener's granulomatosis: successful treatment with high-dose cyclophosphamide. Nishioka K, et al. **Dermatologica** 1982 Feb;164(2):142–7

Experimental autoimmune tubulointerstitial nephritis in guinea-pigs: effects on renal lesions of cyclophosphamide administered before and after tubular basement membrane immunization on renal lesions. Idiko H. **Immunology** 1982 Aug;46(4):833–9

A new therapeutic approach of nephrotic syndrome associated with focal segmental glomerulosclerosis. Futrakul P. **Int J Pediatr Nephrol** 1980 Mar;1(1):18–21

Bleomycin, cyclophosphamide and radiotherapy in regionally advanced epidermoid carcinoma of the head and neck. Seagren SL, et al. **Int J Radiat Oncol Biol Phys** 1982 Jan; 8(1):127–32

Chemoimmunotherapy of murine bladder cancer. Stogdill BJ, et al. **Invest Urol** 1981 Nov;19(3):179–81

Chemotherapy for advanced carcinoma of the bladder. Narayana AS, et al. **J Urol** 1981 Nov;126(5):594–5

11-week course of sequential methotrexate, thoracic irradiation, and moderate-dose cyclophosphamide for 'limited'-stage small-cell bronchogenic carcinoma. A study from the Manchester Lung Tumour Group. Thatcher N, et al. **Lancet** 1982 May 8;1(8280):1040–3

Sequential hormone-chemotherapy (MAP at high doses and CMF) in metastatic breast cancer. Preliminary results. Pannuti F, et al. **Panminerva Med** 1981 Apr-Jun;23(2):93–6

[Idiopathic membranous glomerulonephritis (author's transl)] Knotková V, et al. **Cas Lek Cesk** 1980 Oct 17; 119(42):1121–9 (Eng. Abstr.) **(Cze)**

[Treatment of rheumatoid arthritis with immunosuppressive agents. Review of literature and personal cases. Results in 45 patients treated with cyclophosphamide for 6 years] Frizziero L, et al. **Recenti Prog Med** 1981 Dec;71(6):612–40 (137 ref.) (Eng. Abstr.) **(Ita)**

[Chemotherapy for advanced gynecological carcinoma with cis-dichlorodiammineplatinum (II), adriamycin and/or cyclophosphamide after failure of initial treatment (author's transl)] Takizawa K, et al. **Nippon Gan Chiryo Gakkai Shi** 1981 Oct 20; 16(6):1292–1302 (Eng. Abstr.) **(Jpn)**

[Transient remission of a non-haemophilic patient with acquired factor VIII inhibitor treated with a single infusion of factor VIII and cyclophosphamide (author's transl)] Kutsuzawa T, et al. **Rinsho Ketsueki** 1982 Feb;23(2):173–9 (Eng. Abstr.) **(Jpn)**

[Results of treatment of undifferentiated lung cancer with vincristine combined with cyclophosphamide] Krawczyk K, et al. **Nowotwory** 1981;30(4):319–24 (Eng. Abstr.) **(Pol)**

[Comparative evaluation of the treatment of pemphigus with corticosteroids and corticosteroids combined with immunosuppressive agents] Michałowski R, et al. **Przegl Dermatol** 1981 Mar-Apr;68(2):227–32 **(Pol)**

[Chemotherapy of non-Hodgkin lymphoma by the COP schedule] Krajewska B, et al. **Wiad Lek** 1981 May 15; 34(10):815–9 (Eng. Abstr.) **(Pol)**

[Polychemotherapy associated with oral BCG in the treatment of advanced breast carcinoma. Preliminary observations of a controlled therapeutic trial] da Silva Neto JB, et al. **AMB** 1981 Jul;27(7):198–9 (Eng. Abstr.) **(Por)**

[Changes in the rhythms of the alpha-fetoprotein content of the blood serum of mice with hepatoma 22A and of tumor cell proliferation depending on the time of cyclophosphane administration] Romanov IuA, et al. **Biull Eksp Biol Med** 1982 Apr;93(4):73–5 (Eng. Abstr.) **(Rus)**

[Primary treatment results in myeloma disease using a cytostatic preparation] Iavorkovskiĭ LI, et al. **Probl Gematol Pereliv Krovi** 1981 Aug;26(8):36–40 (Eng. Abstr.) **(Rus)**

[Controlled trial of cyclophosphamide, azathioprine and chlorambucil in lupus nephritis (the double-blind method)] Ivanova MM, et al. **Vopr Revm** 1981 Apr-Jun;(2):11–8 (Eng. Abstr.) **(Rus)**

[Gastric cancer: survival after associated cytostatic therapy in 'minimum effective dose' (author's transl)] Rodriguez A, et al. **Rev Med Chil** 1981 Jun;109(6):493–7 (Eng. Abstr.) **(Spa)**

[Beguez-Cesar, or Chediak-Higashi, disease: study of a case in pseudo-lymphoma phase (author's transl)] Zabala P, et al. **Sangre (Barc)** 1982;27(1):88–95 (Eng. Abstr.) **(Spa)**

ADVERSE EFFECTS

Cyclophosphamide hepatotoxicity in a patient with systemic lupus erythematosus. Bacon AM, et al. **Ann Intern Med** 1982 Jul;97(1):62–3

Fibroblastic tumor of the urinary bladder after cyclophosphamide therapy. Carney CN, et al. **Arch Pathol Lab Med** 1982 May;106(5):247–9

Prevention of cyclophosphamide-induced haemorrhagic cystitis by disulfiram [letter] Ershler WB, et al. **Blut** 1982 May;44(5):321

Prophylaxis of haemorrhagic cystitis due to cyclophosphamide-conditioning for bone marrow transplantation [letter] Link H, et al. **Blut** 1981 Nov; 43(5):329–30

Fatal pulmonary fibrosis occurring during treatment with cyclophosphamide. Burke DA, et al. **Br Med J [Clin Res]** 1982 Sep 11;285(6343):696

Cyclophosphamide treatment of systemic lupus erythematosus: risk of bladder cancer exceeds benefit. Elliott RW, et al. **Br Med J [Clin Res]** 1982 Apr 17; 284(6323):1160–1

Cyclophosphamide treatment of systemic lupus erythematosus: risk of bladder cancer exceeds benefit [letter] Murray JA. **Br Med J [Clin Res]** 1982 Jun 5; 284(6330):1710–1

Cyclophosphamide and diabetes. Henderson RG, et al. **Cancer Chemother Pharmacol** 1981;5(3):207

Protective role of thiols in cyclophosphamide-induced urotoxicity and depression of hepatic drug metabolism. Berrigan MJ, et al. **Cancer Res** 1982 Sep;42(9):3688–95

The course of nausea and vomiting after high-dose cyclophosphamide. Fetting JH, et al. **Cancer Treat Rep** 1982 Jul;66(7):1487–93

Carcinogenic activity in rats of combined treatment with cyclophosphamide, methotrexate and 5-fluorouracil. Habs M, et al. **Int J Cancer** 1981 Jul 15;28(1):91–6

Suppression of marrow stromal cells and microenvironmental damage following sequential radiation and cyclophosphamide. Wathen LM, et al. **Int J Radiat Oncol Biol Phys** 1981 Jul;7(7):935–41

Alveolar bone destruction in the immunosuppressed rat. Sallay K, et al. **J Periodont Res** 1982 May;17(3):263–74

Analysis of in vivo results of cyclophosphamide-induced chromosomal damage in mammals from sensitivity and statistical aspects. Mitchell ID, et al. **J Toxicol Environ Health** 1981 Mar-Apr;7(3–4):585–92

Uroepithelial carcinoma in association with cyclophosphamide ingestion. Fuchs EF, et al. **J Urol** 1981 Oct;126(4):544–5

Chronic idiopathic thrombocytopenic purpura (ITP:) development of acute non-lymphocytic leukemia subsequent to treatment with cyclophosphamide. Krause JR. **Med Pediatr Oncol** 1982;10(1):61–5

Cardiac changes with cyclophosphamide. Steinherz LJ, et al. **Med Pediatr Oncol** 1981;9(5):417–22

Case records of the Massachusetts General Hospital. Weekly clinicopathological exercises. Case 8-1982. Diffuse pulmonary infiltration in a patient with lymphoma. **N Engl J Med** 1982 Feb 25;306(8):469–76

Cyclophosphamide pneumonitis [letter] Spector JI, et al. **N Engl J Med** 1982 Jul 22;307(4):251

Circadian system and teratogenicity of cytostatic drugs. Sauerbier I. **Prog Clin Biol Res** 1981;59C(00):143–9

[Cyclophosphamide haemorragic cystitis in a child. Radiological and endoscopic aspects (author's transl)] Sauvage P, et al. **Chir Pediatr** 1982 Mar-Apr;23(2):125–7 (Eng. Abstr.) **(Fre)**

[Hypogonadism and alkylating agents (author's transl)] Lecomte P, et al. **J Gynecol Obstet Biol Reprod (Paris)** 1981;10(6):597–602 (Eng. Abstr.) **(Fre)**

[Drug induced pulmonary disease. Diffuse interstitial pneumonitis during chemoradiotherapy for small cell carcinoma of the lung. Two cases (author's transl)] Riou R, et al. **Poumon Coeur** 1982;38(1):57–62 (Eng. Abstr.) **(Fre)**

ANALOGS & DERIVATIVES

Prognostic factors in multiple myeloma treated with prednisolone and sequential melphalan and ifosfamide: MIP combination chemotherapy. Adachi T, et al. **Acta Med Okayama** 1982 Feb;36(1):39–47

Chemotherapy of malignant ovarian tumors; therapeutic results of ifosfamide. Yakushiji M, et al. **Acta Obstet Gynaecol Jpn** 1981 Jul;33(7):1071–6

Comparison of cytotoxic action of iphosphamide and cyclophosphamide. Phelan ET, et al. **Anticancer Res** 1981; 1(3):149–54

Inhibition by cyanamide of 4-hydroxycyclophosphamide/aldophosphamide oxidation to carboxyphosphamide. Domeyer BE, et al. **Biochem Pharmacol** 1981 Aug 1;30(15):2065–73

IMVP-16: an effective regimen for patients with lymphoma who have relapsed after initial combination chemotherapy. Cabanillas F, et al. **Blood** 1982 Sep;60(3):693–7

Comparison of the mutagenicity and teratogenicity of cyclophosphamide and its active metabolites, 4-hydroxycyclophosphamide, phosphoramide mustard, and acrolein. Hales BF. **Cancer Res** 1982 Aug;42(8):3016–21

Conversion of 4-hydroperoxycyclophosphamide and 4-hydroxycyclophosphamide to phosphoramide mustard and acrolein mediated by bifunctional catalysis. Low JE, et al. **Cancer Res** 1982 Mar;42(3):830–7

Toxicity, interstrand cross-links and DNA fragmentation induced by 'activated' cyclophosphamide in yeast. Fleer R, et al. **Chem Biol Interact** 1981 Oct;37(1–2):123–40

Comparative study on the effects of cyclophosphamide on yeast in vitro and in the host-mediated assay: DNA damage and biological response. Ogorek B, et al. **Chem Biol Interact** 1981 Oct;37(1–2):141–54

Studies on the urotoxicity of oxazaphosphorine cytostatics and its prevention—I. Experimental studies on the urotoxicity of alkylating compounds. Brock N, et al. **Eur J Cancer** 1981 Jun;17(6):595–607

Studies on the urotoxicity of oxazaphosphorine cytostatics and its prevention. 2. Comparative study on the uroprotective efficacy of thiols and other sulfur compounds. Brock N, et al. **Eur J Cancer Clin Oncol** 1981 Nov;17(11):1155–63

Protective effect of N-acetylcysteine on the urotoxicity produced by oxazaphosphorine without interference with anticancer activity [letter] Morgan LR, et al. **Eur J Cancer Clin Oncol** 1982 Jan;18(1):113–4

On the cytostatic mechanism of cyclophosphamide. Inhibition of aminoacylation of transfer RNA and induction of stringent control in Escherichia coli by

4-hydroperoxycyclophosphamide. Frank S, et al. **Hoppe Seylers Z Physiol Chem** 1981 Aug;362(8):1059-68

New drug found active against lung cancers. **Hospitals** 1982 Jun 16;56(12):38

Isophosphamide. **IARC Monogr Eval Carcinog Risk Chem Hum** 1981 May; 26:237-47

The bioavailability of oral and intravenous ifosfamide in the treatment of bronchogenic carcinoma. McNiel NO, et al. **Int J Clin Pharmacol Ther Toxicol** 1981 Nov;19(11):490-3

Detoxification of urotoxic oxazaphosphorines by sulfhydryl compounds. Brock N, et al. **J Cancer Res Clin Oncol** 1981; 100(3):311-20

In vitro effects of 4-hydroperoxycyclophosphamide on human immunoregulatory T subset function. I. Selective effects on lymphocyte function in T-B cell collaboration. Ozer H, et al. **J Exp Med** 1982 Jan 1;155(1):276-90

Synthesis of 3-hydroxycyclophosphamide and studies related to its possible role in the metabolism of cyclophosphamide. Brandt JA, et al. **J Med Chem** 1981 Dec;24(12):1404-8

5-Fluoro- and 5-chlorocyclophosphamide: synthesis, metabolism, and antitumor activity of the cis and trans isomers. Foster AB, et al. **J Med Chem** 1981 Dec; 24(12):1399-403

O-Methylhydroxylamine as a new trapping reagent for quantitative studies of 4-hydroxycyclophosphamide and aldophosphamide. Zon G, et al. **J Pharm Sci** 1982 Apr; 71(4):443-6

Prevention of ifosfamide-induced hemorrhagic cystitis by continuous bladder irrigation. Fujita J, et al. **Urology** 1981 Sep;18(3):250-1

Pilot study of intravenous ifosfamide plus oral acetylcysteine in the treatment of non-small cell lung cancer. Saiers JH, et al. **Vet Hum Toxicol** 1981;23(Suppl 1):12-4

[Prevention of urotoxic actions of cyclophosphamide and ifosfamide by dimesna (preliminary communication) (author's transl)] Brock N, et al. **Arzneimittelforsch** 1982; 32(5):486-7 (Eng. Abstr.) **(Ger)**

[Synthesis of 4-ureidooxycyclophosphamide (author's transl)] Niemeyer U, et al. **Arzneimittelforsch** 1982;32(5):478-80 (Eng. Abstr.) **(Ger)**

[Pharmacokinetics of cyclophosphamide and cyclophosphamide metabolites in the mouse and their influence on the therapeutic effect of 'activated' cyclophosphamide (4-hydroxycyclophosphamide) (author's transl)] Voelcker G, et al. **Arzneimittelforsch** 1982; 32(6):639-47 (Eng. Abstr.) **(Ger)**

[Chemotherapy of malignant melanoma with cis-diaminodichloroplatinum and ifosfamid (author's transl)] Berdel WE, et al. **Dtsch Med Wochenschr** 1982 Jan 8;107(1):26-8 (Eng. Abstr.) **(Ger)**

[Side-effects of polychemotherapy in metastatic testicular neoplasms (author's transl)] Hartlapp JH, et al. **Klin Wochenschr** 1982 Mar 1;60(5):257-61 (Eng. Abstr.) **(Ger)**

[Ifosfamide versus ifosfamide + CCNU in the treatment of inoperable small cell carcinoma of the lung. A clinical study] Kokron O, et al. **Onkologie** 1982 Apr;5(2):56-9 (Eng. Abstr.) **(Ger)**

[Clinical evaluation of Mitexan in the prevention of urinary tract complications during treatment with Holoxan] Czownicki Z, et al. **Nowotwory** 1981;30(4):377-83 (Eng. Abstr.) **(Pol)**

[Preliminary evaluation of the effectiveness of holoxan in the treatment of malignant soft tissue and bone neoplasms] Utracka-Hutka B, et al. **Nowotwory** 1981;31(2):147-53 (Eng. Abstr.) **(Pol)**

ANALYSIS

Transplacental passage of cyclophosphamide [letter] D'Incalci M, et al. **Cancer Treat Rep** 1982 Aug;66(8):1681-2

ANTAGONISTS & INHIBITORS

WR-2721: enhanced chemoprotection by increasing cyclophosphamide activation with phenobarbitol. Glover DJ, et al. **Int J Radiat Oncol Biol Phys** 1982 Mar-Apr; 8(3-4):571-4

The prevention of cyclophosphamide-induced cystitis in mice by disulfiram. Hacker MP, et al. **Res Commun Chem Pathol Pharmacol** 1982 Jan; 35(1):145-54

[Prevention of urotoxic actions of cyclophosphamide and ifosfamide by dimesna (preliminary communication) (author's transl)] Brock N, et al. **Arzneimittelforsch** 1982; 32(5):486-7 (Eng. Abstr.) **(Ger)**

BLOOD

Initial observations on the effects of delta 9-tetrahydrocannabinol on the plasma pharmacokinetics of cyclophosphamide and doxorubicin. Riggs CE Jr, et al. **J Clin Pharmacol** 1981 Aug-Sep;21(8-9 Suppl):90S-98S

Determination of plasma concentrations of underivatized cyclophosphamide by capillary gas chromatography. van den Bosch N, et al. **Methods Find Exp Clin Pharmacol** 1981 Nov-Dec;3(6):377-84

IMMUNOLOGY

[Course of influenza in cyclophosphane suppression of cellular and humeral immunity] Kiseleva AS, et al. **Vopr Virusol** 1982 Mar-Apr;27(2):154-9 (Eng. Abstr.) **(Rus)**

ISOLATION & PURIFICATION

Isolation, identification and determination of cyclophosphamide and two of its metabolites in urine of a multiple sclerosis patient by high pressure liquid chromatography and field desorption mass spectrometry. Bahr U, et al. **Biomed Mass Spectrom** 1981 Nov;8(11):553-7

METABOLISM

The metabolism of cyclophosphamide by isolated rat hepatocytes. Bates DJ, et al. **Biochem Pharmacol** 1981 Nov 15;30(22):3055-63

Conversion of 4-hydroperoxycyclophosphamide and 4-hydroxycyclophosphamide to phosphoramide mustard and acrolein mediated by bifunctional catalysis. Low JE, et al. **Cancer Res** 1982 Mar;42(3):830-7

Trapping of DNA-reactive metabolites of therapeutic or carcinogenic agents by carbon-14-labeled synthetic polynucleotides. Mehta JR, et al. **Cancer Res** 1982 Aug; 42(8):2996-9

Cyclophosphamide plasma and cerebrospinal fluid kinetics with and without dimethyl sulfoxide. Egorin MJ, et al. **Clin Pharmacol Ther** 1982 Jul;32(1):122-8

Activation of cyclophosphamide using perfused rat liver system and induction of sister chromatid exchanges in vitro. Abe T, et al. **Hum Genet** 1981;58(3):349

Studies on the mechanism of denaturation of cytochrome P-450 by cyclophosphamide and its metabolites. Gurtoo HL, et al. **J Biol Chem** 1981 Nov 25;256(22):11691-701

Salivary elimination of cyclophosphamide in man. Ritschel WA, et al. **J Clin Pharmacol** 1981 Nov-Dec;21(11-12 Pt 1):461-5

Synthesis of 3-hydroxycyclophosphamide and studies related to its possible role in the metabolism of cyclophosphamide. Brandt JA, et al. **J Med Chem** 1981 Dec;24(12):1404-8

Differences in murine procarcinogen activation enzymes are not accompanied by parallel differences in procarcinogen-induced sister-chromatid exchange. Schreck RR, et al. **Mutat Res** 1982 May;94(1):143-53

Modification of the mutagenicity and teratogenicity of cyclophosphamide in rats with inducers of the cytochromes P-450. Hales BF. **Teratology** 1981 Aug;24(1):1-11

Effects of inducer of liver drug-metabolizing enzyme on blood level of active metabolites of cyclophosphamide in rats and in cancer patients. Maezawa S, et al. **Tohoku J Exp Med** 1981 May;134(1):45-53

[Pharmacokinetics of cyclophosphamide and cyclophosphamide metabolites in the mouse and their influence on the therapeutic effect of 'activated' cyclophosphamide (4-hydroxycyclophosphamide) (author's transl)] Voelcker G, et al. **Arzneimittelforsch** 1982; 32(6):639-47 (Eng. Abstr.) **(Ger)**

[Immunosuppressant effect of cyclophosphamide activated in vitro by liver microsomes from different strains of mice] Telegin LIu, et al. **Biull Eksp Biol Med** 1981 Jul;92(7):57-60 (Eng. Abstr.) **(Rus)**

PHARMACODYNAMICS

Cyclophosphamide as a potential chemosterilant for harmful snails. Singh R, et al. **Acta Pharmacol Toxicol (Copenh)** 1981 Sep;49(3):195-9

Effects of cyclophosphamide on the formation and solubility of collagen. Wie H, et al. **Acta Pharmacol Toxicol (Copenh)** 1981 Apr;48(4):289-93

Synthesis and solubility of collagen in rats during recovery after high-dose cyclophosphamide administration. Wie H, et al. **Acta Pharmacol Toxicol (Copenh)** 1981 Apr; 48(4):294-9

Tahyňa virus infection in mice immunosuppressed with cyclophosphamide [letter] Hubálek Z, et al. **Acta Virol (Praha)** 1981 Sep;25(5):334

Inhibition of metabolism--mediated cytotoxicity by 1,1-disubstituted hydrazines in mouse mastocytoma cells (line P815). Wiebkin P, et al. **Adv Exp Med Biol** 1981;136 Pt B:1067-75

Suppression of immunologic function and degeneration of lymphoid organs in cyclophosphamide-treated turkeys. Elmubarak AK, et al. **Am J Vet Res** 1981 Dec; 42(12):2122-8

Temporal relationship between primary injection and cyclophosphamide administration necessary for the inhibition of the priming for a secondary response. Gras J, et al. **Ann Immunol (Paris)** 1981 Mar-Apr;132(2):145-55

Comparison of cytotoxic action of iphosphamide and cyclophosphamide. Phelan ET, et al. **Anticancer Res** 1981; 1(3):149-54

Effect of cyclophosphamide on serum ceruloplasmin oxidase activity in sarcoma bearing rats. Abreu LA, et al. **Arch Geschwulstforsch** 1981;51(5):394-7

The effects of cyclophosphamide on eruption of the continuously growing mandibular incisor of the rat. Adatia AK, et al. **Arch Oral Biol** 1981;26(7):607-13

Lysozyme activity in the course of experimental trichinellosis in germfree and conventional mice treated with cyclophosphamide. Przyjałkowski Z, et al. **Bull Acad Pol Sci [Biol]** 1980;28(1-2):71-4

Regulation of the expression of adoptive tumor rejection immunity by recipient cyclophosphamide-sensitive cells. Boyer CM, et al. **Cancer Res** 1982 Jun;42(6):2211-5

Effects of cyclophosphamide and polycyclic aromatic hydrocarbons on cell growth and mixed-function oxidase activity in a human colon tumor cell line. Fang WF, et al. **Cancer Res** 1982 Sep;42(9):3676-81

Comparison of the mutagenicity and teratogenicity of cyclophosphamide and its active metabolites, 4-hydroxycyclophosphamide, phosphoramide mustard, and acrolein. Hales BF. **Cancer Res** 1982 Aug;42(8):3016-21

Interactions between tumor subpopulations affecting their sensitivity to the antineoplastic agents cyclophosphamide and methotrexate. Miller BE, et al. **Cancer Res** 1981 Nov; 41(11 Pt 1):4378-81

Role of antitumor immunity in cyclophosphamide-induced rejection of subcutaneous nonpalpable MOPC-315 tumors. Mokyr MB, et al. **Cancer Res** 1982 Mar;42(3):974-9

Pharmacoloy of cyclophosphamide and metabolites. Colvin M, et al. **Cancer Treat Rep** 1981;65 Suppl 3:89-95 (25 ref.)

Vomiting induced by cyclophosphamide and phosphoramide mustard in cats. Fetting JH, et al. **Cancer Treat Rep** 1982 Aug;66(8):1625-9

Differences in sister chromatid exchange (SCE)-induction in vivo by cyclophosphamide in murine strains. Dragani TA, et al. **Carcinogenesis** 1981;2(3):219-22

Effects of cyclophosphamide and cortisone on the virus-immune response characteristics of thymocytes and the early reconstitution profiles of P leads to F1 chimeras. Doherty PC, et al. **Cell Immunol** 1981 Nov 15;65(1):33-42

Increased resistance to Listeria monocytogenes following subchronic cyclophosphamide exposure: relationship to altered bone marrow function. Luster MI, et al. **Cell Immunol** 1981 Nov 15;65(1):131-41

Toxicity, interstrand cross-links and DNA fragmentation induced by 'activated' cyclophosphamide in yeast: comparative studies on 4-hydroperoxy-cyclophosphamide, its monofunctional analogon, acrolein, phosphoramide mustard, and nor-nitrogen mustard. Fleer R, et al. **Chem Biol Interact** 1982 Mar 1;39(1):1-15

The effect of chronic daily cyclophosphamide administration on established antibody responses. Gagnon RF, et al. **Clin Exp Immunol** 1981 Oct;46(1):178-84

Autoimmune thyroiditis: conversion of low-responder mice to high-responders by cyclophosphamide. Vladutiu AO. **Clin Exp Immunol** 1982 Mar;47(3):683-8

Flow cytometric measurement of nuclear DNA content variations as a potential in vivo mutagenicity test. Otto FJ, et al. **Cytometry** 1981 Nov;2(3):189-91

Age dependent differential effects of cyclophosphamide on natural antibody levels in chickens. Ettinger AC, et al. **Dev Comp Immunol** 1982 Winter;6(1):113-20

Increased sensitivity of the SCE-test with rabbit lymphocytes by an exogeneous metabolic system. Waalkens DH, et al. **Dev Toxicol Environ Sci** 1980;8:197-202

Hematologic and cytogenetic effects of androgens in cytostatic-treated mice (the micronucleus test). Ioan D. **Endocrinologie** 1981 Jul-Sep;19(3):179-81

Sister chromatid exchange studies in human fibroblast-rat hepatocyte co-cultures: a new in vitro system to study SCEs. Kligerman AD, et al. **Environ Mutagen** 1980; 2(2):157-65

Clastogen-induced micronuclei in peripheral blood erythrocytes: the basis of an improved micronucleus test. MacGregor JT, et al. **Environ Mutagen** 1980;2(4):509-14

Nippostrongylus brasiliensis: effect of cyclophosphamide treatment on worm expulsion in rats. Siński E. **Exp Parasitol** 1981 Dec;52(3):356-61

A quantitative study on the recovery of rat marrow erythropoietic cells after experimental suppression of erythropoiesis by repeated doses of cyclophosphamide. Berger J. **Folia Haematol (Leipz)** 1982;109(2):255-63

Bladder carcinogenesis in mice induced by N-butyl-N-(4-hydroxybutyl) nitrosamine and N-ethyl-N-(4-hydroxybutyl)-nitrosamine with reference to the effect of cyclophosphamide. Numoto S, et al. **Gan** 1981 Oct;72(5):647-54

Changes in marrow myelopoietic and lymphoid cell counts after repeated cyclophosphamide administration in the rat. Berger J. **Haematologia (Budap)** 1981 Dec;14(4):407-16

On the cytostatic mechanism of cyclophosphamide. Inhibition of aminoacylation of transfer RNA and induction of stringent control in Escherichia coli by 4-hydroperoxycyclophosphamide. Frank S, et al. **Hoppe Seylers Z Physiol Chem** 1981 Aug;362(8):1059-68

The influence of cyclophosphamide and 6-mercaptopurine on the IgG1 and IgG2 immune response in guinea-pigs. Drössler K, et al. **Immunology** 1981 Sep;44(1):61-6

Immunological responses to fed protein antigens in mice. I. Reversal of oral tolerance to ovalbumin by cyclophosphamide. Mowat AM, et al. **Immunology** 1982 Jan;45(1):105-13

Murine B-lymphocyte colony formation: the effects of cyclophosphamide and azathioprine. Winkelstein A. **Immunology** 1982 Aug;46(4):827-32

Local cell-associated immunity in the Peyer's patches of mouse intestines. Marneerushapisal V, et al. **Infect Immun** 1981 Aug;33(2):338-42

Effects of cell source, mouse strain, and immunosuppressive treatment on production of virulent and attenuated murine cytomegalovirus. Selgrade MK, et al. **Infect Immun** 1981 Sep;33(3):840-7

Effects of corticosteroids and cyclophosphamide on a mouse model of Chlamydia trachomatis pneumonitis. Stephens RS, et al. **Infect Immun** 1982 Feb;35(2):680-4

Cellular changes in the Bursa of Fabricius and thymus of cyclophosphamide-treated pigeons. Coignoul F, et al. **J Comp Pathol** 1980 Jul;90(3):395-400

An in vivo and in vitro study of the cyclophosphamide-induced enhancement of contact sensitivity to 2,4-dinitro-1-chlorobenzene (DNCB). Ikezawa Z. **J Dermatol (Tokyo)** 1981 Oct;8(5):357-66

Suppression of human B lymphocyte function by cyclophosphamide. Cupps TR, et al. **J Immunol** 1982 Jun; 128(6):2453-7

Cyclophosphamide pretreatment induces eosinophilia to nonparasite antigens. Vadas MA. **J Immunol** 1981 Nov; 127(5):2083-6

Comparative effects of azathioprine, cyclophosphamide and frentizole on cellular immunity in mice. Smith SR, et al. **J Immunopharmacol** 1981;3(2):133-70

Early appearance of abnormally migrating serum IgM in control and cyclophosphamide-treated NZB/NZW mice. Walker SE. **J Rheumatol** 1982 Mar-Apr;9(2):183- ,

Prolongation of canine allograft survival with donor pretreatment. Brom HL, et al. **Kidney Int** 1982 Feb; 21(2):323-9

SCE frequencies in rabbit lymphocytes as a function of time after an acute dose of cyclophosphamide. Huff V, et al. **Mutat Res** 1982 Jun;94(2):349-57

Effects of prolonged chemical treatment with cyclophosphamide and 6-mercaptopurine in the dominant lethal test system. Moreland FM, et al. **Mutat Res** 1981 Oct;90(2):193-9

The effect of protecting guinea-pigs against EAE on the meningeal inflammatory cell-infiltrate. Allsopp G, et al. **Neuropathol Appl Neurobiol** 1981 Nov-Dec;7(6):477-87

The reversal of the immunodepression phenomenon in trichinellosis and its effect on the life cycle of the parasite. Faubert GM. **Parasite Immunol** 1982 Jan;4(1):13-20

Experimental vaccination with Candida albicans ribosomes in cyclophosphamide-treated animals. Segal E, et al. **Sabouraudia** 1981 Dec;19(4):267-73

Attempt at quantification of the cytotoxic drug-induced changes of the human bone marrow compartments. Schreml W, et al. **Scand J Haematol** 1982 Feb;28(2):151-62

Experimental infection of immunocompromised mice with Achromobacter xylosoxidans. Hyodo S, et al. **Tohoku J Exp Med** 1982 Mar;136(3):251-61

Host treatment with cyclophosphamide elicits transient changes in graft-versus-host reactivity of donor cells. Wander RH, et al. **Transplantation** 1981 Nov;32(5):415-7

Adoptive transfer of immunity to Plasmodium berghei after busulfan and cyclophosphamide treatment of recipient mice. Londner MV, et al. **Z Parasitenkd** 1981;65(2):163-6

Effect of cyclophosphamide on the infection of mice with Tahyna virus. Hubálek Z, et al. **Zentral Bakteriol Mikrobiol Hyg [A]** 1981 Dec; 251(2):145-51

[Effect of ethanol, acetazolamide, and cyclophosphamide on protein and lecithin concentrations in broncho-alveolar liquid film of mice] Pré J, et al. **C R Seances Acad Sci [III]** 1981 Sep 21;293(2):123-6 (Eng. Abstr.) **(Fre)**

[The influence of cyclophosphamide upon the healing of fractures in the rabbit (author's transl)] Langendorff HU, et al. **Unfallchirurgie** 1981 Oct;7(5):231-5 (Eng. Abstr.) **(Ger)**

[The effects of cytostatic agents - methotrexate, actinomycin-D and cyclophosphamide - on in vitro metabolism of human placenta from early pregnancy (author's transl)] Nagy P, et al. **Z Geburtshilfe Perinatol** 1982 Apr-May;186(2):101-3 (Eng. Abstr.) **(Ger)**

[Enhanced immunogenicity of xenogenized tumor cells in rats pretreated with cyclophosphamide (author's transl)] Terashima M. **Hokkaido Igaku Zasshi** 1980 Nov; 55(6):495-9 (Eng. Abstr.) **(Jpn)**

[Effect of cyclophosphamide on alpha-fetoprotein content in the blood serum of mice with hepatoma 22a depending upon the period of tumor development] Romanov IuA, et al. **Biull Eksp Biol Med** 1982 Jan;93(1):60-2 **(Rus)**

[Effect of cyclophosphane on the bone marrow of redbacked voles] Domareva OP, et al. **Genetika (Moskva)** 1981; 17(9):1639-43 (Eng. Abstr.) **(Rus)**

[Effect of long-wave ultraviolet radiation on the cyclophosphamide-induced frequency of chromosome aberrations in mouse bone marrow cells] Zhurkov VS, et al. **Tsitol Genet** 1982 Mar-Apr;16(2):6-9 (Eng. Abstr.) **(Rus)**

[The effect of cyclophosphamide on the erythropoietic stem cell compartment] Milenković P. **Bilt Hematol Transfuz** 1980;8(1):91-7 (Eng. Abstr.) **(Scr)**

[Cyclophosphamide and the heart muscle] Gvozdják J, et al. **Vnitr Lek** 1981 Oct;27(10):1005-12 (Eng. Abstr.) **(Slo)**

THERAPEUTIC USE

Effect of erythropoietin on erythropoietin-responsive cell regeneration in polycythemic mice treated with cyclophosphamide. Pavlovic-Kentera V, et al. **Acta Haematol (Basel)** 1981;66(1):6-11

Solid tumor models for the assessment of different treatment modalities. XIX. Tumor cure rates and tumor control following sequential administration of radiation and cyclophosphamide. Looney WB, et al. **Am J Clin Oncol** 1982 Apr;5(2):209-20

Cytotoxic drug treatment of lupus nephritis. Donadio JV Jr, et al. **Am J Kidney Dis** 1982 Jul;2(1 Suppl 1):178-81

Hepatitis B virus infection and cyclophosphamide [letter] Chiaramonte M, et al. **Ann Intern Med** 1982 Sep; 97(3):451-2

Alternative modes of cyclophosphamide and azathioprine therapy in lupus nephritis. Dinant HJ, et al. **Ann Intern Med** 1982 Jun;96(6 Pt 1):728-36

Syndrome of an acquired inhibitor of factor VIII responsive to cyclophosphamide and prednisone. Herbst KD, et al. **Ann Intern Med** 1981 Nov;95(5):575-8

Chemotherapy for tumours using clostridial oncolysis, antibiotics and cyclophosphamide: model trial on the UVT 15264 tumour. Schlechte H, et al. **Arch Geschwulstforsch** 1982;52(1):41-8

Glomerulonephritis secondary to mixed polyclonal cryoglobulinaemia: response to immunosuppression and plasmapheresis. McKenzie RG, et al. **Aust NZ J Med** 1981 Oct;11(5):529-33

Nodular mixed lymphoma: results of a randomized trial failing to confirm prolonged disease-free survival with COPP chemotherapy. Glick JH, et al. **Blood** 1981 Nov; 58(5):920-5

Effect of clinical levels of misonidazole on the response of tumour and normal tissues in the mouse to alkylating agents. Brown JM, et al. **Br J Cancer** 1982 May;45(5):700-8

Cimetidine enhancement of cyclophosphamide antitumour activity. Dorr RT, et al. **Br J Cancer** 1982 Jan;45(1):35-43

Failure of short-term treatment with flurbiprofen to enhance the therapeutic effect of cyclophosphamide against rodent sarcomas and a leukaemia. Heckford SE, et al. **Br J Cancer** 1982 Jul;46(1):51-7

Enhancing effect of misonidazole on the response of the RIF-1 tumour to cyclophosphamide. Law MP, et al. **Br J Cancer** 1981 Aug;44(2):208-18

Long-term cyclophosphamide treatment in rheumatoid patients: effects on serum sulphydryl levels, technetium index, ESR and clinical response. Grimaldi MG. **Br J Clin Pharmacol** 1981 Oct;12(4):503-6

Metastatic thymoma with myasthenia gravis: complete remission with combination chemotherapy. Butler WM, et al. **Cancer** 1982 Aug 1;50(3):419-22

Intrathoracic soft tissue sarcomas in children. Crist WM, et al. **Cancer** 1982 Aug 1;50(3):598-604

Combination chemotherapy (CMFVP) versus L-phenylalanine mustard (L-PAM) for operable breast cancer with positive axillary nodes: a Southwest Oncology Group Study. Glucksberg H, et al. **Cancer** 1982 Aug 1; 50(3):423-34

Sequential cyclophosphamide and doxorubicin for induction of complete remission in children with disseminated neuroblastoma. Green AA, et al. **Cancer** 1981 Nov 15; 48(10):2310-7

Combination chemotherapy with cyclophosphamide, vincristine, prednisone and the contribution of adriamycin in the treatment of adult non-Hodgkin's lymphomas a report of 131 cases. Parlier Y, et al. **Cancer** 1982 Aug 1; 50(3):401-9

Intermittent high-dose cyclophosphamide with and without prednisolone: a study of the relationships between toxicity, response and survival in metastatic lung cancer. Thatcher N, et al. **Cancer** 1982 Sep 15;50(6):1051-6

Doxorubicin, Cyclophosphamide and VP16-213 (ACE) in the treatment of small cell lung cancer. Aisner J, et al. **Cancer Chemother Pharmacol** 1982;7(2-3):187-93

Treatment of small cell lung cancer with a combination of VP16-213 and cyclophosphamide with cisplatin or radiotherapy. Cortés Funes H, et al. **Cancer Chemother Pharmacol** 1982;7(2-3):181-6

Cyclophosphamide and dimethylsulfoxide in the treatment of squamous carcinoma of the lung. Therapeutic efficacy, toxicity, and pharmacokinetics. Fuks JZ, et al. **Cancer Chemother Pharmacol** 1981;6(2):117-20

VP16-213 and cyclophosphamide in non oat cell bronchogenic carcinoma. Morasca L, et al. **Cancer Chemother Pharmacol** 1982;7(2-3):209-10

The case for adjuvant CMF chemotherapy in breast cancer. Has it been made? Levitt SH, et al. **Cancer Clin Trials** 1981 Winter;4(4):363-9 (14 ref.)

Effect of X-rays and cyclophosphamide on solid tumors and naturally occurring metastases in mice. Chu AM, et al. **Cancer Res** 1982 May;42(5):1943-9

Combination cyclophosphamide, doxorubicin, and cisplatin (CAP) chemotherapy for extensive non-small cell carcinomas of the lung. Davis S, et al. **Cancer Treat Rep** 1981 Nov-Dec;65(11-12):955-8

Development and characterization of a cyclophosphamide-resistant mouse plasmacytoma cell line. Frondoza CG, et al. **Cancer Treat Rep** 1982 Jul; 66(7):1535-44

Chemoimmunotherapy in carcinoma of the lung. Carabasi RA, et al. **Curr Surg** 1982 Mar-Apr;39(2):85-8

Synergism between hyperthermia and cyclophosphamide in vivo: the effect of dose fractionation. Hazan G, et al. **Eur J Cancer** 1981 Jun;17(6):681-4

CMF versus CMF plus tamoxifen in advanced breast cancer in postmenopausal women. An EORTC trial. Mouridsen HT, et al. **Eur J Cancer** 1980;Suppl 1:119-23

Cytotoxic effect of 5-fluorouracil plus cyclophosphamide against transplantable leukemias. Santelli G, et al. **Eur J Cancer** 1981 Jun;17(6):629-34

Adjuvant intermittent chemo-immunotherapy of breast cancer. A prospective study. Schreml W, et al. **Eur J Cancer** 1980;Suppl 1:165-8

Adjuvant chemotherapy with four drugs for stage 2 breast cancer. Wheeler TK, et al. **Eur J Cancer** 1980;Suppl 1:161-3

An experimental approach to chemotherapy for occult metastases: a quantitative model. Speakman H, et al. **Eur J Cancer Clin Oncol** 1981 Dec;17(12):1287-93

Effect of cyclophosphamide on development of reticulum cell sarcoma in SJL/J mice. Crispens CG Jr. **Experientia** 1982 May 15;38(5):624-6

Elimination of tumor-enhancing cells by cyclophosphamide and its relevance to cyclophosphamide therapy of the murine mammary tumor. Nakajima H, et al. **Gan** 1981 Oct; 72(5):723-31

Combined effects of natural resistance and chemotherapy against a murine lymphoma in lethally-irradiated mice. Iorio AM, et al. **Int J Cancer** 1981 Oct 15;28(4):497-502

Stability of remission in minimal lesion nephrotic syndrome after treatment with prednisolone and cyclophosphamide. Dundon S, et al. **Int J Pediatr Nephrol** 1980 Mar;1(1):22-5

Combined chemotherapy--radiotherapy on spleen hypertrophy after C. parvum: combined treatment with 5-FU cyclophosphamide and radiation. Maruyama Y, et al. **Int J Radiat Biol** 1981 Nov;40(5):475-82

The value of combining the radiosensitizer misonidazole with cyclophosphamide in treating the murine Lewis lung tumor. Pedersen JE, et al. **Int J Radiat Oncol Biol Phys** 1982 Mar-Apr;8(3-4):651-3

Combinations of cyclophosphamide and misonidazole in the KHT sarcoma. Siemann DW, et al. **Int J Radiat Oncol Biol Phys** 1982 Mar-Apr;8(3-4):647-50

Combined radiotherapy and chemotherapy with cyclophosphamide, adriamycin, methotrexate, procarbazine (CAMP) in 64 consecutive patients with epidermoid bronchogenic carcinoma, limited disease: a prospective study. Trovò MG, et al. **Int J Radiat Oncol Biol Phys** 1982 Jun;8(6):1051-4

Pigeon herpes infection: excretion and re-excretion of virus after experimental infection. Vindevogel H, et al. **J Comp Pathol** 1980 Jul;90(3):401-8

Eradication of disseminated murine leukemia by chemoimmunotherapy with cyclophosphamide and adoptively transferred immune syngeneic Lyt-1+2- lymphocytes. Greenberg PD, et al. **J Exp Med** 1981 Sep 1;154(3):952-63

Cyclophosphamide-facilitated adoptive immunotherapy of an established tumor depends on elimination of tumor-induced suppressor T cells. North RJ. **J Exp Med** 1982 Apr 1;155(4):1063-74

High-dose cyclophosphamide chemotherapy for recurrent CNS tumors in children. Allen JC, et al. **J Neurosurg** 1981 Nov;55(5):749-56

Focal segmental glomerulosclerosis with idiopathic nephrotic syndrome: three types of clinical response. Arbus GS, et al. **J Pediatr** 1982 Jul;101(1):40-5

Systemic lupus erythematosus complicated by acute pulmonary hemorrhage: recovery following plasmapheresis and cytotoxic therapy [letter] Millman RP, et al. **J Rheumatol** 1981 Nov-Dec;8(6):1021-3

Low-dose cyclophosphamide inhibition of transplantable fibrosarcoma growth by augmentation of the host immune response. Ray PK, et al. **JNCI** 1981 Dec;67(6):1341-5

Treatment of ongoing experimental myasthenia gravis with short term high dose cyclophosphamide. Pestronk A, et al. **Muscle Nerve** 1982 Jan;5(1):79-84

Effect of cytotoxic drugs in frequently relapsing nephrotic syndrome with and without steroid dependence. **N Engl J Med** 1982 Feb 25;306(8):451-4

Sequential combination of vincristine, adriamycin and cyclophosphamide (VAC), and radiotherapy in advanced non-small-cell lung cancer. Wils JA, et al. **Neth J Med** 1982;25(2):43-6

Treatment of the idiopathic nephrotic syndrome. Kleinknecht C, et al. **Paediatrician** 1981;10(5-6):382-99

'Pulse' methylprednisolone and cyclophosphamide therapy in idiopathic rapidly progressive glomerulonephritis. Friedman G, et al. **Postgrad Med J** 1981 Jan;57(663):54-6

Adjuvant chemotherapy to definitive treatment of prostate cancer. Loening S, et al. **Prostate** 1980;1(3):321-35

Adjuvant intermittent chemoimmunotherapy for primary breast cancer: a prospective study with immunologic follow-up. Betzler M, et al. **Recent Results Cancer Res** 1982;80:185-91

Multimodal therapy with CMF in resectable breast cancer with positive axillary nodes: the Milan Institute experience. Bonadonna G, et al. **Recent Results Cancer Res** 1982; 80:149-56

Adjuvant treatment of node-positive breast cancer with adriamycin-cyclophosphamide with or without radiation therapy: interim results of an ongoing clinical trial. Jones SE, et al. **Recent Results Cancer Res** 1982;80:162-9

Follow-up results from a randomized trial for T3 and T4 breast cancer patients: previous BCG immunotherapy improves response to chemotherapy in the relapse patient. Serrou B, et al. **Recent Results Cancer Res** 1982;80:157-61

A randomized trial of postoperative five-versus three-drug chemotherapy after mastectomy: a Cancer and Leukemia Group B (CALGB) study. Weiss RB, et al. **Recent Results Cancer Res** 1982;80:170-6

Cyclophosphamide, doxorubicin and celestin intubation for inoperable oesophageal carcinoma. Nicolaou N, et al. **S Afr Med J** 1982 Mar 20;61(12):428-31

Massive hematuria due to acquired factor VIII inhibitor. Treatment with cyclophosphamide. Waltke EA, et al. **Urology** 1981 Dec;18(6):601-3

[Diarrhea in young calves. 4. Redox potential of the gastrointestinal tract of clinically healthy calves, and calves with spontaneous diarrhea, experimental Escherichia coli infection, and cyclophosphamide treatment] Schulze F, et al. **Arch Exp Veterinarmed** 1981;35(3):337–48 (Eng. Abstr.) **(Ger)**

[Antineoplastic activity of lambdamycin in different murine test models compared with cyclophosphamide, 6-mercaptopurine and 5-fluorouracil (author's transl)] Gutsche W, et al. **Arch Geschwulstforsch** 1981; 51(5):398–404 (Eng. Abstr.) **(Ger)**

[About the value of adjuvant chemotherapy in advanced cervical cancer. First results of a prospective randomised study (author's transl)] Richter P. **Arch Geschwulstforsch** 1982;52(2):117–22 (Eng. Abstr.) **(Ger)**

[Effective levels of cyclophosphamide and metabolites in pleural effusions during intravenous therapy (author's transl)] Wagner T, et al. **Arzneimittelforsch** 1982; 32(5):566–8 (Eng. Abstr.) **(Ger)**

[Prevention of urotoxic complications during therapy with cytostatics. The problem of the interaction between sodium-II-mercaptoethanesulfonate and cyclophosphamide] Possinger K, et al. **Fortschr Med** 1981 Oct 22;99(40):1650–2 **(Ger)**

[Goodpasture's syndrome--rapid remission after early plasmapheresis and high-dose cyclophosphamide therapy (author's transl)] Euler HH, et al. **Klin Wochenschr** 1982 Jun 15;60(12):635–6 **(Ger)**

[The problem of sequential cancers after antineoplastic chemotherapy or radiotherapy] Heil G. **Z Gesamte Inn Med** 1982 Feb 1;37(3):93–5 (Eng. Abstr.) **(Ger)**

[The effect of basic therapeutic procedures on the immunoregulatory T-cell apparatus in patients with chronic polyarthritis] Rautenstrauch H, et al. **Z Rheumatol** 1982 Jan-Feb;41(1):23–5 (Eng. Abstr.) **(Ger)**

[Cell-mediated immunity and effects of cyclophosphamide on primary nephrotic syndrome (author's transl)] Okura T, et al. **Nippon Jinzo Gakkai Shi** 1981 Nov; 23(11):1395–403 (Eng. Abstr.) **(Jpn)**

[Changes in the state of plasma membrane proteins of tumor cells exposed to a polyene antibiotic and cyclophosphamide] Oksman Ala, et al. **Antibiotiki** 1981 Sep;26(9):692–4 (Eng. Abstr.) **(Rus)**

[Results of chemo- and radiotherapy of poorly differentiated and undifferentiated lung cancer] Abisatov KhA. **Med Radiol (Mosk)** 1982 Apr;27(4):9–15 (Eng. Abstr.) **(Rus)**

[Enhancement of antitumor immunity after chemotherapy (author's transl)] Culo F. **Lijec Vjesn** 1981;103(4–5):216–7 (Eng. Abstr.) **(Scr)**

TOXICITY

Effect of cyclophosphamide on the rat thymus. Loc NK, et al. **Acta Morphol Acad Sci Hung** 1981;29(4):319–33

Effects of cyclophosphamide on the rat's mesenteric lymph node. Loc NK, et al. **Acta Morphol Acad Sci Hung** 1981; 29(4):335–51

Hyperoxia, but not thoracic X-irradiation, potentiates bleomycin- and cyclophosphamide-induced lung damage in mice. Hakkinen PJ, et al. **Am Rev Respir Dis** 1982 Aug; 126(2):281–5

Interindividual variation of carcinogen activation by human liver homogenates. A study using dimethylnitrosamine (DMN) and cyclophosphamide (CP) as precursor genotoxic agents and clastogenicity and induction of sister chromatid exchanges in Chinese hamster V79-E cells as endpoints. Thust R. **Arch Geschwulstforsch** 1982; 52(2):97–104

Metabolic activation and cytotoxicity of cyclophosphamide in primary cultures of postnatal rat hepatocytes. Acosta D, et al. **Biochem Pharmacol** 1981 Dec 1;30(23):3225–30

Cyclophosphamide-induced cardiomyopathy in the rat. Hopkins HA, et al. **Cancer Treat Rep** 1982 Jul;66(7):1521–7

Retinol (vitamin A) inhibits sister chromatid exchanges and cell cycle delay induced by cyclophosphamide and aflatoxin B1 in Chinese hamster V79 cells. Huang CC, et al. **Carcinogenesis** 1982;3(1):1–5

Comparative study on the effects of cyclophosphamide on yeast in vitro and in the host-mediated assay: DNA damage and biological response. Ogorek B, et al. **Chem Biol Interact** 1981 Oct;37(1–2):141–54

Cyclophosphamide. **IARC Monogr Eval Carcinog Risk Chem Hum** 1981 May; 26:165–202

Misonidazole enhances cyclophosphamide toxicity to bone marrow. Allalunis MJ, et al. **Int J Radiat Oncol Biol Phys** 1982 Mar-Apr;8(3-4):655–8

Lucanthone modification of cyclophosphamide toxicity in the Chinese hamster. Milligan AJ, et al. **Int J Radiat Oncol Biol Phys** 1982 Mar-Apr;8(3-4):667–70

Detoxification of urotoxic oxazaphosphorines by sulfhydryl compounds. Brock N, et al. **J Cancer Res Clin Oncol** 1981; 100(3):311–20

Cyclophosphamide-induced glomerular injury in newborn mice. Hsu HC, et al. **Lab Invest** 1982 Sep;47(3):281–5

Studies of DNA damage and cell death in embryonic limb buds induced by teratogenic exposure to cyclophosphamide. Manson JM, et al. **Teratogenesis Carcinog Mutagen** 1982;2(1):47–59

The in vitro teratogenicity of cyclophosphamide in rat embryos. Greenaway JC, et al. **Teratology** 1982 Jun; 25(3):335–43

Assessment of the teratogenic potential of acrolein and cyclophosphamide in a rat embryo culture system. Schmid BP, et al. **Toxicology** 1981;22(3):235–43

[Comparison of the effectiveness of various methods of testing drugs for embryotoxicity] Puchkov VF, et al. **Arkh Anat Gistol Embriol** 1981 May;80(5):104–10 (Eng. Abstr.) **(Rus)**

[Time periods for the realization of the embryotoxic action of cyclophosphamide and chloridin in vivo and in vitro] Popov VB. **Farmakol Toksikol** 1982 Jan-Feb;45(1):79–83 (Eng. Abstr.) **(Rus)**

CYCLOPLEGICS see **MYDRIATICS**

CYCLOPROPANES

Preparation of tetramethylcyclopropanecarboxylic-14C acid and insecticidal terallethrin-14C from it. Yoshitake A, et al. **Radioisotopes** 1981 Aug;30(8):452–4

ADMINISTRATION & DOSAGE

The effect of acute phencyclidine administration on cyclopropane requirement (MAC) in rats. Raja SN, et al. **Anesthesiology** 1982 Apr;56(4):275–9

ADVERSE EFFECTS

Malignant hyperthermia triggered by cyclopropane during cesarean section. Lips FJ, et al. **Anesthesiology** 1982 Feb; 56(2):144–6

ANTAGONISTS & INHIBITORS

The antagonism of the toxicity of hypoglycin by glycine. Al-Bassam SS, et al. **Biochem Pharmacol** 1981 Oct; 30(20):2817–24

BIOSYNTHESIS

Studies on cyclopropane fatty acid synthesis. Correlation between the state of reduction of respiratory components and the accumulation of methylene hexadecanoic acid by Pseudomonas denitrificans. Jacques NA. **Biochim Biophys Acta** 1981 Aug 24;665(2):270–82

Cyclopropane fatty acid synthase from Escherichia coli. Taylor FR, et al. **Methods Enzymol** 1981;71 Pt C:133–9

CHEMICAL SYNTHESIS

Hypoglycin and metabolically related inhibitors. Billington D, et al. **Methods Enzymol** 1981;72:610–6

DIAGNOSTIC USE

[Cyclopropane in the diagnosis of soft tissue tumors] Skotnikov VI, et al. **Sov Med** 1981;(8):59–61 (Eng. Abstr.) **(Rus)**

ISOLATION & PURIFICATION

Identification of 1-(malonylamino) cyclopropane-1-carboxylic acid as a major conjugate of 1-aminocyclopropane-1-carboxylic acid, an ethylene precursor in higher plants. Hoffman NE, et al. **Biochem Biophys Res Commun** 1982 Jan 29;104(2):765–70

Hypoglycin and metabolically related inhibitors. Billington D, et al. **Methods Enzymol** 1981;72:610–6

METABOLISM

Relationship between cyclopropane synthetase and the formation of cyclopropane fatty acids by Proteus vulgaris grown under various respiratory conditions. Jacques NA. **J Gen Microbiol** 1982 Jan;128 (Pt 1):177–84

PHARMACODYNAMICS

Irreversible inactivation of the flavoenzyme alcohol oxidase by cyclopropanone. Cromartie TH. **Biochem Biophys Res Commun** 1982 Mar 30;105(2):785–90

Chronic exposure to inhaled anesthetics increases cholesterol content in Acholeplasma laidlawii. Koblin DD, et al. **Biochim Biophys Acta** 1981 Dec 21;649(3):717–25

Inactivation of general acyl-CoA dehydrogenase from pig kidney by a metabolite of hypoglycin A. Wenz A, et al. **J Biol Chem** 1981 Oct 10;256(19):9809–12

Mechanism of inhibition of horseradish peroxidase by cyclopropanone hydrate. Wiseman JS, et al. **J Biol Chem** 1982 Jun 10;257(11):6328–32

The activity of cis and trans -2- (aminomethyl) cyclopropane carboxylic acids on GABA - related mechanisms in the central nervous system of Limulus and Periplanata and of mammals. Gardner CR, et al. **Neuropharmacology** 1982 Feb; 21(2):197–200

CYCLORPHAN see under **MORPHINANS**

CYCLOSERINE

PHARMACODYNAMICS

Inhibition by cycloserine of mitochondrial and cytosolic aspartate aminotransferase in isolated rat hepatocytes. Janski AM, et al. **Biochem J** 1981 Mar 15;194(3):1027–30

Phenotypic variability of the sensitivity to cycloserine of Klebsiella aerogenes NCTC 418, growing in chemostat culture. Sterkenburg A, et al. **J Gen Microbiol** 1981 May; 124(Pt 1):29–34

CYCLOSPORIN A see **CYCLOSPORINS**

CYCLOSPORINS

Cyclosporin A. Morris PJ. **Transplantation** 1981 Nov; 32(5):349–54 (78 ref.)

ADMINISTRATION & DOSAGE

Variable convalescence and therapy after cadaveric renal transplantation under cyclosporin A and steroids. Starzl TE, et al. **Surg Gynecol Obstet** 1982 Jun;154(6):819–25

ADVERSE EFFECTS

Studies on long-term T-cell-mediated immunity to Epstein-BArr virus in immunosuppressed renal allograft recipients. Crawford DH, et al. **Int J Cancer** 1981 Dec; 28(6):705–9

Immunity to Epstein-Barr virus in cyclosporin A-treated renal allograft recipients [letter] Crawford DH, et al. **Lancet** 1982 Jun 26;1(8287):1469–70

Nephrotoxicity of cyclosporin A in bone marrow transplant recipients [letter] Gratwohl A, et al. **Lancet** 1981 Sep 19; 2(8247):635

Nephrotoxicity of cyclosporin A [letter] Hows JM, et al. **Lancet** 1981 Oct 17;2(8251):876–7

Hypertension and convulsions in children receiving cyclosporin A [letter] Joss DV, et al. **Lancet** 1982 Apr 17;1(8277):906

Hyperbilirubinaemia and cyclosporin A levels [letter] Laupacis A, et al. **Lancet** 1981 Dec 19–26; 2(8260–61):1426–7

Recurrence of haemolytic uraemic syndrome triggered by cyclosporin A after renal transplantation [letter] Leithner C, et al. **Lancet** 1982 Jun 26;1(8287):1470

Nephrotoxicity of cyclosporin A after allogeneic marrow transplantation: glomerular thromboses and tubular injury. Shulman H, et al. **N Engl J Med** 1981 Dec 3;305(23):1392–5

'Nephrotoxicity' and metabolic acidosis in transplant patients on cyclosporin A. Hamilton DV, et al. **Proc Eur Dial Transplant Assoc** 1981;18:400–9

99mTc-DTPA and 131I-hippuran findings in liver transplant recipients treated with cyclosporin A. Klintmalm GB, et al. **Radiology** 1982 Jan;142(1):199–202

BLOOD

Liquid-chromatographic determination of cyclosporin A in blood and plasma. Sawchuk RJ, et al. **Clin Chem** 1981 Aug; 27(8):1368–71

High pressure liquid chromatographic determination of cyclosporin A in plasma. Allwood MC, et al. **J Clin Hosp Pharm** 1981 Sep;6(3):195–9

A radioimmunoassay to measure cyclosporin A in plasma and serum samples. Donatsch P, et al. **J Immunoassay** 1981; 2(1):19–32

Hyperbilirubinaemia and cyclosporin A levels in renal transplant patients [letter] Loertscher R, et al. **Lancet** 1981 Sep 19;2(8247):635–6

Cyclosporin A: correlation between HPLC and RIA serum levels. Abisch E, et al. **Pharm Weekbl [Sci]** 1982 Jun 25; 4(3):84–6

PHARMACODYNAMICS

Antischistosomal effects of cyclosporin A. Bueding E, et al. **Agents Actions** 1981 Jul;11(4):380–3

Antimalarial activity of cyclosporin A. Thommen-Scott K. **Agents Actions** 1981 Dec;11(6–7):770–3

Modulation by cyclosporin A of murine natural resistance against herpes simplex virus infection. I. Interference with the susceptibility to herpes simplex virus infection. Armerding D, et al. **Antiviral Res** 1982 May;2(1–2):3–11

Modulation by cyclosporin A of murine natural resistance against herpes simplex virus infection. II. Influence on the HSV-induced natural killer cell responses, macrophage activities and interferon levels. Armerding D, et al. **Antiviral Res** 1982 May;2(1–2):13–26

Immunologic stimulation of early murine hematopoiesis and its abrogation by cyclosporin A. Burstein SA, et al. **Blood** 1982 Apr;59(4):851–6

Cyclosporin-A abrogates transfusion induced sensitization and prevents marrow graft rejection in DLA-identical canine littermates. Storb R, et al. **Blood** 1982 Aug; 60(2):524–6

Blood flow, histamine content and histidine decarboxylase activity in rat skin grafts and their modification by cyclosporin-A. Fan TP, et al. **Br J Pharmacol** 1982 Jul; 76(3):491–7

Inhibitory effect of cyclosporin A on peripheral blood and bone marrow T lymphocyte colony formation. Foa R, et al. **Clin Exp Immunol** 1981 Aug;45(2):371–5

Comparison of the inhibition by glucocorticosteroids and cyclosporin A of mitogen-stimulated human lymphocyte proliferation. Gordon D, et al. **Clin Exp Immunol** 1981 May;44(2):287–94

Cyclosporin A applied topically to the recipient eye inhibits corneal graft rejection. Hunter PA, et al. **Clin Exp Immunol** 1981 Jul;45(1):173–7

Effect of cyclosporin A on in vitro proliferative activity and immunoglobulin synthesis of isolated human lymphoid cell subpopulations. Paavonen T, et al. **Clin Exp Immunol** 1981 Feb;43(2):342–50

Human pulmonary macrophages. Pinocytic activity in bronchial carcinoma and in the presence of levamisole and cyclosporin A. Plowman PN. **Clin Oncol** 1982 Mar; 8(1):39–48

Cyclosporin A mediates immunosuppression of primary cytotoxic T cell responses by impairing the release of interleukin 1 and interleukin 2. Bunjes D, et al. **Eur J Immunol** 1981 Aug;11(8):657–61

Muscle allograft survival after cyclosporin A immunosuppression. Gulati AK, et al. **Exp Neurol** 1982 Aug;77(2):378–85

Cyclosporin A abrogates proliferation of T cells and generation of suppressor and cytotoxic T-cell function induced by Epstein-Barr virus. Palacios R. **Immunobiology** 1981;160(3–4):321–9

The effect of cyclosporin A on the primary immune response to allogeneic red cells in rabbits. Smith G.N. **Immunology** 1982 Jan;45(1):163–7

Inhibition of mouse natural killer activity by cyclosporin A. Yanagihara RH, et al. **Immunology** 1982 Feb;45(2):325–32

Cyclosporin a inhibits T cell-mediated augmentation of mouse natural killer activity. Yanagihara RH, et al. **Immunopharmacology** 1982 Jun;4(3):243–52

Effect of cyclosporin A on murine natural killer cells. Gui X, et al. **Infect Immun** 1982 Jun;36(3):1123–7

Cyclosporin a permits the distinction between specific T and NK activity generated in a human MLC. Landegren U, et al. **Int J Cancer** 1981 Dec;28(6):725–30

Effects of in vivo treatments with cyclosporin-A on mouse cell-mediated immune responses. Alberti S, et al. **Int J Immunopharmacol** 1981;3(4):357–64

Rabbit corneal allograft survival following topical administration of cyclosporin A. Kana JS, et al. **Invest Ophthalmol Vis Sci** 1982 May;22(5):686–90

Effect of cyclosporin A on human lymphocyte responses in vitro. IV. Production of T cell stimulatory growth factors and development of responsiveness to these growth factors in CsA-treated primary MLR cultures. Hess AD, et al. **J Immunol** 1982 Jan;128(1):360–7

Effect of cyclosporin A on human lymphocyte responses in vitro. III. CsA inhibits the production of T lymphocyte growth factors in secondary mixed lymphocyte responses but does not inhibit the response of primed lymphocytes to TCGF. Hess AD, et al. **J Immunol** 1982 Jan;128(1):355–9

Selective inhibition of immunoregulatory cell functions by cyclosporin A. Tosato G, et al. **J Immunol** 1982 May; 128(5):1986–91

Evidence for the presence of suppressor T lymphocytes in animals treated with cyclosporin A. Wang BS, et al. **J Immunol** 1982 Mar;128(3):1382–5

Provocation of infection due to Pneumocystis carinii by cyclosporin A. Hughes WT, et al. **J Infect Dis** 1982 May; 145(5):767

Cyclosporin A in orthotopic canine hepatic transplants. Williams JW, et al. **J Surg Res** 1982 Jun;32(6):576–85

Hemolytic-uraemic syndrome and cyclosporin A [letter] Hamilton DV, et al. **Lancet** 1982 Jul 17;2(8290):151–2

Cyclosporin A: a new immune suppressive agent. Sheil AG. **Med J Aust** 1982 Jan 9;1(1):37–9

Cosmas and Damian in the laboratory [letter] Black KS, et al. **N Engl J Med** 1982 Feb 11;306(6):368–9

Inhibition of T-cell activity by cyclosporin A. Andrus L, et al. **Scand J Immunol** 1981 May;15(5):449–58

Immune suppression with cyclosporin A–optimism and caution. Thomson AW, et al. **Scott Med J** 1981 Apr; 26(2):139–44 (45 ref.)

Cyclosporin A in renal transplantation: a prospective randomized trial. Ferguson RM, et al. **Surgery** 1982 Aug; 92(2):175–82

The cellular target of cyclosporin A action in humans. Van Buren CT, et al. **Surgery** 1982 Aug;92(2):167–74

Inhibition of the donor-specific immune response by cyclosporin-A following renal transplantation. Keown PA, et al. **Transplant Proc** 1981 Sep;13(3):1669–72

The immune status of transplant recipients immunosuppressed with cyclosporin-A. White DJ, et al. **Transplant Proc** 1981 Sep;13(3):1666–8

Beneficial influence of cyclosporin A and standard immunosuppression on kidney graft survival in transfused rhesus monkeys. Borleffs JC, et al. **Transplantation** 1981 Aug;32(2):161–2

Effect of cyclosporin A on allotransplanted pancreatic fragments to the spleen of totally pancreatectomized dogs. DuToit DF, et al. **Transplantation** 1982 Mar;33(3):302–7

Histoincompatible skin and marrow grafts in rabbits on cyclosporin A. Gratwohl A, et al. **Transplantation** 1982 Apr;33(4):361–4

Effect of cyclosporin A on the function of T cells. Gunn HC, et al. **Transplantation** 1981 Oct;32(4):338–40

Cyclosporin A spares selectively lymphocytes with donor-specific suppressor characteristics. Hutchinson IF, et al. **Transplantation** 1981 Sep;32(3):210–6

Improved survival of transplanted lungs in mongrel dogs treated with cyclosporin A. Norin AJ, et al. **Transplantation** 1981 Sep;32(3):259–60

Effect of cyclosporin A on rejection of pancreatic islets transplanted under the renal capsule. Reece-Smith H, et al. **Transplantation** 1981 Oct;32(4):333–4

Restoration of allogeneic responsiveness of lymphocytes from cyclosporin A–treated animals with interleukin 2. Wang BS, et al. **Transplantation** 1982 Apr;33(4):454–6

From our laboratories: cyclosporin A. Borel JF. **Triangle** 1981;20(3):97–105 (33 ref.)

THERAPEUTIC USE

The use of cyclosporin A in clinical organ grafting. Calne RY, et al. **Ann Surg** 1982 Sep;196(3):330–7

Cardiac transplantation with cyclosporin A and prednisone. Griffith BP, et al. **Ann Surg** 1982 Sep;196(3):324–9

Modulation of experimental autoimmune uveitis with cyclosporin A. Nussenblatt RB, et al. **Arch Ophthalmol** 1982 Jul;100(7):1146–9

Suppression of corneal allograft rejection by cyclosporin A. Salisbury JD, et al. **Arch Ophthalmol** 1981 Sep;99(9):1640–3

Past and future prospects of orthoptic liver transplantation. Starzl TE, et al. **Arch Surg** 1981 Oct;116(10):1342–3

A placebo-controlled blind trial of cyclosporin-A in prevention of corneal graft rejection in rabbits. Bell TA, et al. **Br J Ophthalmol** 1982 May;66(5):303–8

Corneal graft rejection: a new rabbit model and cyclosporin-A. Hunter PA, et al. **Br J Ophthalmol** 1982 May;66(5):292–302

Cyclosporin A as prophylaxis against graft-versus-host disease in 36 patients. Barrett AJ, et al. **Br Med J [Clin Res]** 1982 Jul 17;285(6336):162–6

Renal and segmental pancreatic grafting with draining of exocrine secretion and initial continuous intravenous cyclosporin A in a patient with insulin-dependent diabetes and renal failure. Calne RY, et al. **Br Med J [Clin Res]** 1982 Sep 11;285(6343):677–80

Structure and function of small bowel allografts in the dog: immunosuppression with cyclosporin A. Reznick RK, et al. **Can J Surg** 1982 Jan;25(1):51–5

Cyclosporin A: a powerful immunosuppressant. Laupacis A, et al. **Can Med Assoc J** 1982 May 1;126(9):1041–6

The effect of cyclosporin A on the adoptive transfer of experimental allergic encephalomyelitis in the Lewis rat. Bolton C, et al. **Clin Exp Immunol** 1982 Jan;47(1):127–32

The effect of cyclosporin A on peripheral blood T cell subpopulations in renal allografts. Sweny P, et al. **Clin Exp Immunol** 1982 Feb;47(2):445–8

Cyclosporin A: a new immunosuppressive agent. **Colo Med** 1981 Sep;78(9):339

Enumeration of lymphocyte populations in whole peripheral blood of patients with antibody-mediated nephritis during treatment with cyclosporin A. Pepys EO, et al. **Immunol Lett** 1982 Apr;4(4):211–4

Liver and kidney transplantation in children receiving cyclosporin A and steroids. Starzl TE, et al. **J Pediatr** 1982 May;100(5):681–6

Potential role of cyclosporin A in corneal grafting. Hunter PA. **J R Soc Med** 1981 Nov;74(11):810–3

Cyclosporin A for posterior uveitis? [news] **JAMA** 1982 Feb 5;247(5):569

Single-lung transplants to resume soon with cyclosporin A therapy [news] Gunby P. **JAMA** 1982 May 7; 247(17):2331–2

Cyclosporin a as sole immunosuppressive agent in recipients of kidney allografts from cadaver donors. Preliminary results of a European multicentre trial. **Lancet** 1982 Jul 10;2(8289):57–60

Cyclosporin A in oliguric renal transplant recipients [letter] Hall BM, et al. **Lancet** 1981 Oct 17;2(8251):876

Beneficial influence of matching for D/DR antigens and treatment with cyclosporin-A on kidney graft survival in transfused rhesus monkeys. Borleffs JC, et al. **Proc Eur Dial Transplant Assoc** 1981;18:446–53

Synergism between aspirin and cyclosporin A. Mobarok Ali AT, et al. **Rheumatol Int** 1981;1(1):43–5

Treatment and prognosis of primary biliary cirrhosis. Sherlock S. **Semin Liver Dis** 1981 Nov;1(4):354–64 (59 ref.)

Cyclosporin A and steroid therapy in sixty-six cadaver kidney recipients. Starzl TE, et al. **Surg Gynecol Obstet** 1981 Oct;153(4):486–94

The effect of cyclosporin A and blood transfusions on cardiac allograft survival in rats. Niessen GJ, et al. **Surgery** 1982 Mar;91(3):339–42

Prolongation of segmental pancreatic allografts in dogs receiving cyclosporin A. DuToit DF, et al. **Transplantation** 1982 Apr;33(4):432–7

Use of cyclosporin A in allogeneic bone marrow transplantation for severe aplastic anemia. Hows JM, et al. **Transplantation** 1982 Apr;33(4):382–6

Prolongation of rat cardiac allografts by pretransplant administration of blood transfusions and cyclosporin A. Miller CM, et al. **Transplantation** 1982 Mar;33(3):335–7

Kinetics of unresponsiveness induced by a short course of cyclosporin A. Nagao T, et al. **Transplantation** 1982 Jan; 33(1):31–5

Prolongation of kidney transplant survival by cyclosporin A graft pretreatment. Initial experimental trial. Toledo-Pereyra LH. et al. **Transplantation** 1982 Mar; 33(3):329–31

Cyclosporin A in experimental lung transplantation. Veith FJ, et al. **Transplantation** 1981 Dec;32(6):474–81

[Cyclosporin A] Leski M. **Nephrologie** 1980;1(2):83–4 **(Fre)**

[Cyclosporin A - a new immunosuppressive agent (author's transl)] Müller W. **Praxis** 1981 Nov 24;70(48):2163–5 **(Ger)**

TOXICITY

Cyclosporin A: effects on the mouse thymus. Ryffel B, et al. **Agents Actions** 1981 Jul;11(4):373–9

Nature of the toxicity of cyclosporin A in the rat. Farthing MJ, et al. **Biochem Pharmacol** 1981 Dec 15;30(24):3311–6

Cyclosporin-A is selectively cytotoxic to human leukemic T cells in vitro. Tötterman TH, et al. **Blood** 1982 May; 59(5):1103–7

Experimental cyclosporin A nephrotoxicity. Whiting PH, et al. **Br J Exp Pathol** 1982 Feb;63(1):88–94

Renal toxicity of cyclosporin A in the rat. Thiel G, et al. **Proc Clin Dial Transplant Forum** 1980;10:62–6

Cyclosporin A hepatotoxicity in 66 renal allograft recipients. Klintmalm GB, et al. **Transplantation** 1981 Dec;32(6):488–9

Pathological changes developing in the rat during a 3-week course of high dosage cyclosporin A and their reversal following drug withdrawal. Thomson AW, et al. **Transplantation** 1981 Oct;32(4):271–7

CYCLOSTEROIDS

CHEMICAL SYNTHESIS

A ring contraction of 18,20-cyclo-steroids. Preparation of 18-acetyl-17,18-cyclo-4-androsten-3-one and 18-hydroxyacetyl-17,18-cyclo-4-androsten-3-one. Miyano M. **Steroids** 1981 Dec;38(6):703–7

CYCLOSTOMES

A symmetric lipovitellin-phosvitin dimer in cyclostome yolk platelet crystals: structural and biochemical observations. Lange RH, et al. **J Mol Biol** 1981 Jun 5;148(4):487–91

ANATOMY & HISTOLOGY

Reticular formation of the frog in comparison with the lamprey. An attempt to explain the origin of the basic components of reticular formation on the basis of cytoarchitecture. Petrovický P. **Acta Univ Carol [Med] (Praha)** 1980;26(5–6):303–22

An electron microscopic study on the extraocular muscles of a lamprey, Lampetra japonica. Nakao T, et al. **Anat Rec** 1982 Jan;202(1):1–7

Scanning and transmission electron microscope studies of the supraependymal neurons in the third ventricular wall of the Arctic lamprey, Lampetra japonica. Chiba A, et al. **Arch Histol Jpn** 1981 Nov;44(5):477–84

Cell types in the adenohypophysis of the hagfish, Myxine glutinosa (Cyclostomata). Patzner RA, et al. **Cell Tissue Res** 1982;223(3):583–92

Optical diffraction analysis of crystalline inclusions in the rough endoplasmic reticulum of islet parenchymal cells of the hagfish, Myxine glutinosa. Raška I, et al. **Cell Tissue Res** 1982 Jul;225(2):461–4

Fine structure of Merkel cells in lampreys. Whitear M, et al. **Cell Tissue Res** 1981;220(1):139–51

Replication of basal bodies and ciliogenesis in a ciliated epithelium of the lamprey. Youson JH. **Cell Tissue Res** 1982;223(2):255–66

Chemoarchitectonics of the forebrain of the hagfish, Eptatretus burgeri. Kusunoki T, et al. **J Hirnforsch** 1981; 22(3):285–98

Chemoarchitectonics of the brain stem of the hagfish, Eptatretus burgeri, with special reference to the primordial cerebellum. Kusunoki T, et al. **J Hirnforsch** 1982; 23(1):109–19

Electron microscopy of the leucocytes of the typhlosole in ammocoetes, with special attention to the antibody-producing cells. Fujii T. **J Morphol** 1982 Jul; 173(1):87–100

Vascular architecture and intestinal hematopoietic nests of two cyclostomes, Eptatretus burgeri and ammoncoetes of Entosphenus reissneri: a comparative morphological study. Tanaka Y, et al. **J Morphol** 1981 Oct;170(1):71–93

The cloaca of Myxine glutinosa (Cyclostomata): a scanning electron microscopical and histochemical investigation. Kosmath I, et al. **Z Mikrosk Anat Forsch** 1981;95(6):936–42

[The vascular bed of the brain and the hypophysis in the Atlantic Hagfish, Myxine glutinosa L. [Cyclostomata, Myxinoidea] and the toad, Bufo bufo [L.] [Amphibia, anura] (Author's transl)] Lametschwandtner A. **Mikroskopie** 1982 Jan;39(1–2):35–42 (Eng. Abstr.) **(Ger)**

BLOOD

Iron levels and major iron binding proteins in the plasma of ammocoetes and adults of the southern hemisphere lamprey Geotria australis Gray. Macey DJ, et al. **Comp Biochem Physiol [A]** 1982;72(2):307–12

Catecholamines in adult lampreys: baseline levels and stress-induced changes, with a note on cardiac cannulation. Dashow L, et al. **Gen Comp Endocrinol** 1982 Apr; 46(4):500–4

Hemoglobins, XLVIIII. The primary structure of a monomeric hemoglobin from the hagfish, Myxine glutinosa L.: evolutionary aspects and comparative studies of the function with special reference to the heme linkage. Liljeqvist G, et al. **J Mol Evol** 1982;18(2):102–8

EMBRYOLOGY

Development of the eyes in Agnatha and Chondrichthyes (Elasmobranchia). Yew DT. **Anat Anz** 1982;151(3):231–9

GROWTH & DEVELOPMENT

Plasma cells in the ammocoete of Petromyzon marinus. Zapata A, et al. **Cell Tissue Res** 1981;221(1):203–8

The effect of temperature on the oxygen dissociation curves of whole blood of larval and adult lampreys (Geotria australis). Macey DJ, et al. **J Exp Biol** 1982 Apr;97:253–61

Anatomical and physiological characteristics of pineal photoreceptor cell in the larval lamprey, Petromyzon marinus. Pu GA, et al. **J Neurophysiol** 1981 Nov; 46(5):1018–38

IMMUNOLOGY

Antibody-enhanced phagocytosis of lamprey polymorphonuclear leucocytes against sheep erythrocytes. Fujii T. **Cell Tissue Res** 1981;219(1):41–51

METABOLISM

Histochemical and spectrophotometric demonstration of hydroxysteroid dehydrogenase activity in the presumed steroid producing cells of the brook lamprey (Lampetra planeri Bloch) during metamorphosis. Seiler K, et al. **Endokrinologie** 1981 Dec;78(2–3):297–300

Thyroid hormone clearance kinetics in adult sea lampreys, Petromyzon marinus. Brown CL, et al. **Gen Comp Endocrinol** 1982 Jul;47(3):333–9

ACTH activity in the pituitary and brain of the least brook lamprey, Lampetra aepyptera. Eastman JT, et al. **Gen Comp Endocrinol** 1982 Jul;47(3):346–50

Formation of 15 alpha-hydroxylated androgens by the testis and other tissues of the sea lamprey, Petromyzon marinus, in vitro. Kime DE, et al. **Gen Comp Endocrinol** 1982 Feb; 46(2):267–70

Estrogen binding to hepatic nuclei of Pacific hagfish, Eptatretus stouti. Turner RT, et al. **Gen Comp Endocrinol** 1981 Sep;45(1):26–9

PHYSIOLOGY

Brain barrier systems in the lamprey. II. Ultrastructure and permeability of the choroid plexus. Bundgaard M, et al. **Brain Res** 1982 May 20;240(1):65–75

Brain barrier systems in the lamprey. I. Ultrastructure and permeability of cerebral blood vessels. Bundgaard M. **Brain Res** 1982 May 20;240(1):55–64

The effect of pinealectomy, continuous light, and continuous darkness on metamorphosis of anadromous sea lampreys, Petromyzon marinus L. Cole WC, et al. **J Exp Zool** 1981 Dec;218(3):397–404

The nature of the coupling between segmental oscillators of the lamprey spinal generator for locomotion: a mathematical model. Cohen AH, et al. **J Math Biol** 1982; 13(3):345–69

Synaptic regeneration and glial reactions in the transected spinal cord of the lamprey. Wood MR, et al. **J Neurocytol** 1981 Feb;10(1):57–79

The lipoprotein crystals of cyclostome yolk platelets (Myxine glutinosa L., Lampetra planeri [Bloch], L. fluviatilis [L.]). Lange RH. **J Ultrastruct Res** 1982 Apr;79(1):1–17

Artificial pacemaking of breathing movements by medullary stimulation in adult lampreys. Kawasaki R. **Jpn J Physiol** 1981;31(4):571–83

The hagfish slime gland: a model system for studying the biology of mucus. Downing SW, et al. **Science** 1981 Dec 4;214(4525):1143–5

CYCLOTHYMIC DISORDER see under **AFFECTIVE DISORDERS**

CYCLOTRONS see **PARTICLE ACCELERATORS**

CYLINDROMA

Metastasis to the choroid complicating adenoid cystic carcinoma. Jenrette JM, et al. **Arch Otolaryngol** 1982 Aug; 108(8):509–10

COMPLICATIONS

Familial dermal cylindroma with involvement of the parotid gland. Alawi MH, et al. **Br J Plast Surg** 1982 Apr; 35(2):167–70

Adenoid cystic carcinoma of the submaxillary gland. Belson TP, et al. **Laryngoscope** 1982 May;92(5):497–501

[Coincidence of multiple cylindroma and trichoepitheliomas (Brooke–Spiegler–Syndrome)] Korting HC, et al. **Hautarzt** 1982 Jan;33(1):34–46 (Eng. Abstr.) **(Ger)**

DIAGNOSIS

Bronchial adenoma mimicking complication of endotracheal intubation. Him DY. **Anaesth Intensive Care** 1982 May; 10(2):158–9

[Urachal carcinoma] van Luijt PA, et al. **Ned Tijdschr Geneeskd** 1981 Sep 26;125(39):1569–72 (Eng. Abstr.) **(Dut)**

[Case report of cylindroma of the base of the tongue] Simon C, et al. **J Fr Otorhinolaryngol** 1981 Oct;30(8):537–9 **(Fre)**

[Adenoid cystic carcinoma of the salivary glands in patients in the Department of Otolaryngology, Medical Academy in Warsaw (author's transl)] Osuch J, et al. **Otolaryngol Pol** 1982;36(1):23–9 (Eng. Abstr.) **(Pol)**

DRUG THERAPY

Cisplatin therapy for adenoid cystic carcinoma. Schramm VL Jr, et al. **Arch Otolaryngol** 1981 Dec;107(12):739–41

Intra-arterial cisplatin treatment of adenoid cystic carcinoma. Sessions RB, et al. **Arch Otolaryngol** 1982 Apr;108(4):221–4

[Intraarterial therapy of maxillary adenoid cystic carcinoma using cis-platinum (author's transl)] von Scheel J, et al. **HNO** 1981 Sep;29(9):308–11 (Eng. Abstr.) **(Ger)**

FAMILIAL & GENETIC

Adenoid cystic carcinoma: a third type of human salivary gland neoplasms characterized cytogenetically by reciprocal translocations. Stenman G, et al. **Anticancer Res** 1982 Jan–Apr;2(1–2):11–5

PATHOLOGY

Adenoid cystic carcinoma of the uterine cervix: ultrastructure, immunofluorescence, and criteria for diagnosis. Mazur MT, et al. **Am J Clin Pathol** 1982 Apr; 77(4):494–500

Cylindroma and eccrine spiradenoma coexistent in the same lesion. Goette DK, et al. **Arch Dermatol** 1982 Apr; 118(4):274–4

Salivary gland heterotopia: a unique cerebellopontine angle tumor. Curry B, et al. **Arch Pathol Lab Med** 1982 Jan; 106(1):35–8

Oncocytoma of the lung. Fernandez MA, et al. **Can J Surg** 1982 May;25(3):332–3

Lacrimal gland tumors: a clinicopathological analysis of 160 cases. Ni C, et al. **Int Ophthalmol Clin** 1982 Spring; 22(1):99–120

The hyaline eccrinoma. Kwittken J. **Mt Sinai J Med (NY)** 1981 Sep–Oct;48(5):426–30

Case records of the Massachusetts General Hospital. Weekly clinicopathological exercises. 53–1981. Persistence of Cushing's syndrome after hypophysectomy. **N Engl J Med** 1981 Dec 31;305(27):1637–43

Adenoid cystic carcinoma of minor salivary glands. Analysis of 86 cases. Clinico-pathological, histoenzymological and ultrastructural studies. Chomette G, et al. **Virchows Arch [Pathol Anat]** 1982;395(3):289–301

[Adenoid cystic carcinoma of the major airways] van der Veen F, et al. **Ned Tijdschr Geneeskd** 1982 Apr 17; 126(16):712–5 (Eng. Abstr.) **(Dut)**

[The bronchial oncocytic carcinoid (author's transl)] Voigt JJ, et al. **Arch Anat Cytol Pathol** 1981;29(6):376–9 (Eng. Abstr.) **(Fre)**

[Cylindroma in otorhinolaryngology] Laydevant JP, et al. **J Fr Otorhinolaryngol** 1981 Nov;30(9):585–90 **(Fre)**

[Salivary gland cylindromas. Retrospective study of 65 cases (author's transl)] Deboise A, et al. **Rev Stomatol Chir Maxillofac** 1981;82(5):286–8 (Eng. Abstr.) **(Fre)**

[Bronchial carcinoma, bronchial microcarcinoidosis (tumorlets), and bronchial carcinoids (author's transl)] Ratzenhofer M. **Langenbecks Arch Chir** 1981;355:87–97 (Eng. Abstr.) **(Ger)**

[Metastasis of malignant tumors of the major salivary glands] Brodskaia NIa. **Stomatologiia (Mosk)** 1981 Nov–Dec; 60(6):67–9 (Eng. Abstr.) **(Rus)**

PHYSIOPATHOLOGY

Reversible ventilation and perfusion abnormalities in unilateral obstructed lung. Ward HE, et al. **Chest** 1982 Jan; 81(1):11–5

RADIOGRAPHY

Radiology of uncommon esophageal neoplasms. Kormano MJ, et al. **Eur J Radiol** 1981 Mar;1(1):51–6

[Adenoid-cystic carcinoma (cylindroma) of the trachea. An analysis of nine cases (author's transl)] Stark P. **ROFO** 1982 Jan;136(1):31–5 (Eng. Abstr.) **(Ger)**

RADIOTHERAPY

A method for selective endobronchial and endotracheal irradiation. Boedker A, et al. **J Thorac Cardiovasc Surg** 1982 Jul;84(1):59–61

SECONDARY

[Bone metastases of cystic adenoid carcinoma of the parotid. Apropos of a personal case and review of the literature] Bonvoisin B, et al. **Rev Rhum Mal Osteoartic** 1982 May; 49(6):463–8 **(Fre)**

SURGERY

Adenoid cystic carcinoma of the breast. A case report. O'Connor T, et al. **Ala J Med Sci** 1982 Jan;19(1):17–8

Insidious cutaneous lesions of the head and neck. Stahl RS, et al. **Am Surg** 1981 Sep;47(9):417–20

Primary adenoid cystic carcinoma of the esophagus. Allard M, et al. **Can J Surg** 1981 Jul;24(4):405–6

Florid dermal cylindroma (turban tumor). Fabian RL, et al. **Head Neck Surg** 1981 Nov–Dec;4(2):165–9

Reconstruction of the columella with nasolabial flaps. Nicolai JP. **Head Neck Surg** 1982 May–Jun;4(5):374–9

Lacrimal gland adenoid cystic carcinoma: intracranial and extracranial en bloc resection. Marsh JL, et al. **Plast Reconstr Surg** 1981 Oct;68(4):577–85

Dermal cylindroma: surgical approach. Sherman JE, et al. **Plast Reconstr Surg** 1981 Oct;68(4):596–602

[Segmental resection of thoracic trachea for cylindroma--a case report (author's transl)] Wang GQ. **Chung Hua Chung Liu Tsa Chih** 1981 Aug;3(3):220–1 (Eng. Abstr.) **(Chi)**

[Local excision of an adenoid cystic carcinoma of the lacrimal gland in a 12-year-old girl: case report (author's transl)] Lorenz B, et al. **Klin Monatsbl Augenheilkd** 1982 Feb; 180(2):164–5 (Eng. Abstr.) **(Ger)**

[Cylindroma of the trachea] Czakó Z, et al. **Zentralbl Chir** 1981;106(20):1379–82 **(Ger)**

[Three cases of adenoid cystic carcinoma of the trachea (author's transl)] Nakamura K, et al. **Kyobu Geka** 1981 May; 34(5):365–9 (Eng. Abstr.) **(Jpn)**

[A case of adenoid cystic carcinoma of the trachea treated by segmental resection and primary anastomosis of the trachea (author's transl)] Osada H, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1981 Dec; 29(12):1968–74 (Eng. Abstr.) **(Jpn)**

THERAPY

[Cylindromas of the nasal fossae and base of the skull. Four cases (author's transl)] Gandon J, et al. **Ann Otolaryngol Chir Cervicofac** 1981;98(9):451–5 (Eng. Abstr.) **(Fre)**

ULTRASTRUCTURE

Adenoid cystic carcinoma of the lacrimal gland: the clinical significance of a basaloid histologic pattern. Gamel JW, et al. **Hum Pathol** 1982 Mar;13(3):219–25

A comparative ultrastructural study of the normal lacrimal gland and its epithelial tumors. Iwamoto T, et al. **Hum Pathol** 1982 Mar;13(3):236–62

CYMARIGENIN see **STROPHANTHIDIN**

CYMARINE see under **STROPHANTHINS**

CYNARIN see under **CINNAMATES**

CYPRINIDAE

Cutaneous sphaerosporosis of the common carp fry. Molnár K. **Acta Vet Acad Sci Hung** 1981;28(4):371–4

Reduction of polychlorinated biphenyl (PCB) concentrations in carp (Cyprinus carpio) fillets through skin removal. Hora ME. **Bull Environ Contam Toxicol** 1981 Mar;26(3):364–6

PCBs and other xenobiotics in raw and cooked carp. Zabik ME, et al. **Bull Environ Contam Toxicol** 1982 Jun; 28(6):710–5

Predictability of PCBs in carp harvested in Saginaw Bay, Lake Huron. Zabik ME, et al. **Bull Environ Contam Toxicol** 1982 May;28(5):592–8

Pathogenicity and histopathology of an unusually intense infection of white grubs (Posthodiplostomum m. minimum) in the fathead minnow (Pimephales promelas). Mitchell AJ, et al. **J Wildl Dis** 1982 Jan;18(1):51–7

Resistance of a cultured fish cell line (CAF-MM1) to gamma irradiation. Mitani H, et al. **Radiat Res** 1982 Feb; 89(2):334–47

Toxic effects of animal manures and sewage sludge as supplementary feeds for the common carp. Cyprinus carpio. Wong MH, et al. **Toxicol Lett** 1982 Jun;12(1):65–73

Toxic effects of chromic sulphate on the common carp, Cyprinus carpio. Wong MH, et al. **Toxicol Lett** 1982 Feb; 10(2–3):225–32

Toxic material from the gallbladder of the grass carp (Ctenopharyngodon idellus). Yip LL, et al. **Toxicon** 1981; 19(4):567–9

[Etiology of erythrodermatitis of the carp] Schulz D, et al. **Zentralbl Veterinarmed [B]** 1981;28(6):450–82 (Eng. Abstr.) **(Ger)**

ANATOMY & HISTOLOGY

Ultrastructural distribution of choline acetyltransferase in the goldfish optic tectum. Villani L. **Basic Appl Histochem** 1982;26(2):99–105

The ramification pattern of amacrine cells within the inner plexiform layer of the carp retina. Ammermüller J, et al. **Cell Tissue Res** 1981;220(4):699–723

The glomerulus of a stenohaline fresh-water teleost, Carassius auratus gibelio, adapted to saline water. A scanning and transmission electron-microscopic study. Elger M, et al. **Cell Tissue Res** 1981;220(1):73–85

Ultrastructure of scales in a teleost (Carassius auratus L.) after use of rapid freeze-fixation and freeze-substitution. Zylberberg L, et al. **Cell Tissue Res** 1982;223(2):349–67

Density of retinal catecholamine-accumulating cells in different-sized goldfish. Negishi K. **Exp Eye Res** 1981 Aug; 33(2):223–32

Retinotopic and temporal organization of the optic nerve and tracts in the adult goldfish. Bunt SM. **J Comp Neurol** 1982 Apr 10;206(3):209–26

Ruffed cell: a new type of neuron with a distinctive initial unmyelinated portion of the axon in the olfactory bulb of the goldfish (Carassius auratus). III. Three-dimensional structure of the ruffed cell dendrite. Kosaka T, et al. **J Comp Neurol** 1981 Oct 1;201(4):571–87

Physiological and morphological identification of two types of on-center bipolar cells in the carp retina. Saito T, et al. **J Comp Neurol** 1982 Feb 20;205(2):161–70

Morphology of radial glia, ependymal cells, and periventricular neurons in the optic tectum of goldfish (Carassius auratus). Stevenson JA, et al. **J Comp Neurol** 1982 Feb 20;205(2):128–38

Localization of synaptic and nonsynaptic nicotinic–acetylcholine receptors in the goldfish retina. Zucker C, et al. **J Comp Neurol** 1982 Jan 10;204(2):188–95

The growth and organization of the optic nerve and tract in juvenile and adult goldfish. Easter SS Jr, et al. **J Neurosci** 1981 Aug;1(8):793–811

Mitosis of radial glial cells in the optic tectum of adult goldfish. Stevenson JA, et al. **J Neurosci** 1981 Aug; 1(8):862–75

Some observations on perisinusoidal lipocyte (Ito cell) of Carassius auratus liver as revealed by electron microscopy. Shin YC. **Kaibogaku Zasshi** 1981 Jun;56(3):133–44

[Ultrastructural differences in the morphology of the optic tectum of the carp (Cyprinus carpio) and rainbow trout (Salmo gairdneri) with special reference to the synapses] Choms A, et al. **J Hirnforsch** 1981;22(3):299–306 (Eng. Abstr.) **(Ger)**

BLOOD

Developmental stages and localization of peroxidatic activity in the leucocytes of three teleost species (Cyprinus carpio L.; Tinca tinca L.; Salmo gairdneri Richardson). Bielek E. **Cell Tissue Res** 1981;220(1):163–80

The effect of temperature on the inhibition of trout, carp and human red cell hexokinase by triethyltin bromide. Siebenlist KR, et al. **Comp Biochem Physiol [C]** 1981; 70(2):261–4

Temperature dependence of the deformability of carp (Cyprinus carpio) red blood cells. Kikuchi Y, et al. **Experientia** 1982 Jul 15;38(7):822–4

Resonance Raman studies of the quaternary structural change in carp deoxy hemoglobin. Dalvit C, et al. **FEBS Lett** 1982 Apr 19;140(2):303–6

Carp hemoglobin. Functional analysis and thermodynamics of precise oxygen equilibria according to the simple sequential model of Koshland, Némethy and Filmer. Mayo KH. **J Mol Biol** 1981 Mar 15;146(4):589–609

Levels of CO2 in arterial blood of carp under carbon dioxide anesthesia. Mitsuda H, et al. **J Nutr Sci Vitaminol (Tokyo)** 1982 Feb;28(1):35–9

EMBRYOLOGY

An experimental study on neural crest migration in Barbus conchonius (Cyprinidae, Teleostei), with special reference to the origin of the enteroendocrine cells. Lamers CH, et al. **J Embryol Exp Morphol** 1981 Apr;62:309–23

GENETICS

Isozyme expression in F1 hybrids between carp and goldfish. Danzmann RG, et al. **Biochem Genet** 1982 Feb;20(1–2):1–15

The primary structure of carp myoglobin in the context of molecular evolution. Romero–Herrera AE, et al. **Philos Trans R Soc Lond [Biol]** 1982 Apr 15;297(1084):1–25

GROWTH & DEVELOPMENT

Early life stage toxicity tests with a saltwater fish: effects of eight chemicals on survival growth, and development of sheepshead minnows (Cyprinodon variegatus). Ward GS, et al. **J Toxicol Environ Health** 1981 Jul–Aug; 8(1–2):225–40

[Protein and energy requirements of growing carp (Cyprinus carpio L.). II. Effect of additional fat in rations of various protein and carbohydrate content on growth and body composition] Eckhardt O, et al. **Z Tierphysiol Tiernahr Futtermittelkd** 1982;47(4):186–96 (Eng. Abstr.) **(Ger)**

IMMUNOLOGY

The goldfish immune response. I. Characterization of the humoral response to particulate antigens. Desvaux FX, et al. **Immunology** 1981 Aug;43(4):755–62

The effect of primary and secondary immunization on the lymphoid tissues of the carp, Cyprinus carpio L. Secombes CJ, et al. **J Exp Zool** 1982 May 1;220(3):277–87

Optimization and kinetics of in vitro stimulation of carp (Cyprinus carpio L.) leukocytes. Liewes EW, et al. **Vet Immunol Immunopathol** 1982 May;3(3):325–43

The immune system of cyprinid fish. Oxytetracycline and the regulation of humoral immunity in carp (Cyprinus carpio). Rijkers GT, et al. **Vet Immunol Immunopathol** 1981 Jun;2(3):281–90

METABOLISM

Enhanced uptake of HRP by hypophysiotropic neurons following stress and adrenalectomy. Fryer J, et al. **Brain Res** 1982 Jun 17;242(1):179–83

Dopamine blocks carrier-mediated release of GABA from retinal horizontal cells. Yazulla S, et al. **Brain Res** 1982 Feb 4;233(1):211–5

Toxicity of endosulfan to the freshwater fish Cirrhinus mrigala. Swarup PA, et al. **Bull Environ Contam Toxicol** 1981 Dec;27(6):850–5

Protein digestion and proteolytic activity in the digestive tract of an omnivorous cyprinid. Hofer R. **Comp Biochem Physiol [A]** 1982;72(1):55–63

A technique for assaying the activities of alpha–GPD, LDH, and MDH in the teleost, the goldfish, Carassius auratus. Rosen MH, et al. **Comp Biochem Physiol [B]** 1982; 71B(1):113–7

Behavior of RNA and protein synthesis during the acclimatization of the carp. Studies with isolated hepatocytes. Saez L, et al. **Comp Biochem Physiol [B]** 1982; 72(1):31–8

Nitrogen metabolism in goldfish, Carassius auratus (L.) activities of amidases and amide synthetases in goldfish tissues. van Waarde A, et al. **Comp Biochem Physiol [B]** 1982;71(4):599–603

Effects of inhibitors of monoamine oxidase activity in goldfish (Carassius auratus) brain in vitro. Figueroa HR, et al. **Comp Biochem Physiol [C]** 1981;70(2):281–4

Monoamine oxidase activity in several tissues of the goldfish. Carassius auratus. Hall TR, et al. **Comp Biochem Physiol [C]** 1982;71(2):145–7

Induction of cytochromes P450 and mixed–function oxidase activity by polychlorinated biphenyls and beta–naphthoflavone in carp (Cyprinus carpio). Melancon MJ, et al. **Comp Biochem Physiol [C]** 1981;69(2):219–26

Freeze denaturation of carp myosin and its prevention by sodium glutamate. Akahane T, et al. **Cryobiology** 1981 Aug; 18(4):426–35

Carp insulin: amino acid sequence, biological activity and structural properties. Makower A, et al. **Eur J Biochem** 1982 Feb;122(2):339–45

Effect of ascorbic acid on biotransformation and modification of the toxicity of mercurials in goldfish (Carassius auratus). Sharma DC, et al. **Experientia** 1982 May 15;38(5):565–7

Changes in catecholamine content of the hypothalamus during adaptation of fish to changed external salinity. Hegab SA, et al. **Gen Comp Endocrinol** 1981 Jul; 44(3):324–34

Regulation of the biosynthesis of insulin in isolated Brockmann bodies of the carp (Cyprinus carpio). Huth A, et al. **Gen Comp Endocrinol** 1982 Feb;46(2):158–67

Acid–base and electrolyte status in carp (Cyprinus carpio) exposed to low environmental pH. Ultsch GR, et al. **J Exp Biol** 1981 Aug;93:65–80

5–hydroxytryptamine stimulates [3H]dopamine release from the fish retina. Kato S, et al. **J Neurochem** 1982 Aug; 39(2):493–8

Immunocytochemical and autoradiographic localization of GABA system in the vertebrate retina. Wu JY, et al. **Mol Cell Biochem** 1981 Sep 25;39:229–38

Extracellular fluid proteins of goldfish brain: studies of concentration and labeling patterns. Shashoua VE. **Neurochem Res** 1981 Oct;6(10):1129–47

[3H]–dopamine uptake in the dark–adapted fish retina. Kato S, et al. **Vision Res** 1981;21(7):1189–92

Rod and cone visual pigments in the goldfish. Tsin AT, et al. **Vision Res** 1981;21(6):943–6

MICROBIOLOGY

[Quantitative and species composition of yeasts in carp and trout grown in the discharges from the Kiev thermoelectric power plant] Kvasnikov EI, et al. **Mikrobiol Zh** 1981 Nov–Dec;43(6):709–12 (Eng. Abstr.) **(Rus)**

PARASITOLOGY

One worm in the minnow equals too many in the gut [news] Gunby P. **JAMA** 1982 Jul 9;248(2):163

Acquired immunity against Trypanosoma danilewskyi in goldfish, Carassius auratus. Woo PT. **Parasitology** 1981 Oct;83(Pt 2):343–6

Opisthorchis viverrini : intensity and rates of infection in cyprinoid fish from an endemic focus in Northeast Thailand. Vichasri S, et al. **Southeast Asian J Trop Med Public Health** 1982 Mar; 13(1):138–41

[Current state of fish parasites in lake Trasimeno. I. Observations on the Tinca tinca L. population] Aisa E, et al. **Boll Soc Ital Biol Sper** 1982 Feb;58(3–4):128–34 (Eng. Abstr.) **(Ita)**

[Parasitic fauna in the carp (Cyprinus carpio) fry bred in ponds fed with rainfall water] Adamczyk LH. **Wiad Parazytol** 1981;27(6):763–72 (Eng. Abstr.) **(Pol)**

[Electrophoretic examination of the serum of carps (Cyprinus carpio L.) infected with the tapeworm Caryophyllaeus sp.] Jara Z, et al. **Wiad Parazytol** 1981;27(6):713–6 (Eng. Abstr.) **(Pol)**

[Level of total protein and its fractions in the serum of carps (Cyprinus cario L.) infected with the tapeworm Khawia sinensis Hsu, 1935] Jara Z, et al. **Wiad Parazytol** 1981; 27(6):705–11 (Eng. Abstr.) **(Pol)**

[Histopathological changes and localization of tapeworm Khawia sinensis in the intestine of carps (Cyprinus carpio L.)] Jara Z, et al. **Wiad Parazytol** 1981;27(6):695–703 (Eng. Abstr.) **(Pol)**

[Occurrence of blood flagellates belonging to genus Trypanosoma Gruby, 1841, in the blood of carp—Cyprinus carpio L. and that of tench—tinca L.] Jastrzębski M. **Wiad Parazytol** 1981;27(6):753–61 (Eng. Abstr.) **(Pol)**

[Biology and pathogenetic action of Bothriocephalus gowkongensis Yeh, 1955 and Khawia sinensis Hsu, 1935] Lozińska–Gabska M. **Wiad Parazytol** 1981;27(6):685–94 (Eng. Abstr.) **(Pol)**

[Aspartate and alanine aminotransferase activity in the alimentary tract of carps (Cyprinus carpio L.) infected with tapeworms Bothriocephalus gowkongensis Yeh, 1955 or Khawia sinensis Hsü, 1935] Lozińska–Gabska M. **Wiad Parazytol** 1981;27(6):717–43 (Eng. Abstr.) **(Pol)**

PHYSIOLOGY

Seasonal differences in brain activity and responsiveness shown by the goldfish, (Carassius auratus). Laming PR, et al. **Behav Neural Biol** 1981 Jul;32(3):386–9

Dissociation of enhanced ornithine decarboxylase activity and optic nerve regeneration in goldfish. Kohsaka S, et al. **Brain Res** 1982 Jun;256(2):149–56

The miswired goldfish brain: long–term persistence and transience of retinal projections following tectal lobe removal. Levine RL, et al. **Brain Res** 1982 Jun 17; 242(1):11–8

Pathway choice by regenerating optic fibers following tectal lobectomy in the goldfish: inferences from the study of gliosis in tectal efferent bundles. Levine RL. **Brain Res** 1982 Feb 4;233(1):17–28

Goldfish tectal explants have a growth–promoting effect on neurites emerging from co–cultured regenerating retinal explants. Mizrachi Y, et al. **Brain Res** 1982 Mar; 255(3):502–5

Influence of complexans (NTA, EDTA) on the toxicity of aluminum chloride and sulfate to fish at high concentrations. Muramoto S. **Bull Environ Contam Toxicol** 1981 Aug;27(2):221–5

Effects of brain lesions of gonadotrop ultrastructure and serum gonadotropin levels in goldfish. Nagahama Y, et al. **Cell Tissue Res** 1982 Jul;225(2):259–65

Adrenergic and cholinergic responses of the isolated heart of the goldfish. Carassius auratus. Cameron JS, et al. **Comp Biochem Physiol [C]** 1981;70(1):109–15

Lateral spread of S–potential components in the carp retina. Teranishi T, et al. **Exp Eye Res** 1982 Mar;34(3):389–99

Cone outer segment shedding in the goldfish retina characterized with the 3H–fucose technique. Balkema GW Jr, et al. **Invest Ophthalmol Vis Sci** 1982 Sep;23(3):319–31

Retinal projections in the goldfish: a study using cobaitous–lysine. Springer AD, et al. **J Comp Neurol** 1981 Dec 10;203(3):401–24

Analyses of bipolar cell responses elicited by polarization of horizontal cells. Toyoda J, et al. **J Gen Physiol** 1982 Jan;79(1):131–45

Cable properties of goldfish Mauthner axon. Funch PG, et al. **J Neurophysiol** 1982 Jun;47(6):1196–213

Action–potential propagation and orthodromic impulse initiation in Mauthner axon. Funch PG, et al. **J Neurophysiol** 1982 Jun;47(6):1214–31

Alterations in integrity of goldfish membrane induced by edetate disodium. Cascella PJ, et al. **J Pharm Sci** 1981 Oct; 70(10):1128–31

Effects of efferent stimulation on the saccule of goldfish. Furukawa T. **J Physiol (Lond)** 1981 Jun;315:203–15

Quantal analysis of a decremental response at hair cell–afferent fibre synapses in the goldfish sacculus. Furukawa T, et al. **J Physiol (Lond)** 1982 Jan;322:181–95

Remote pattern reversal reduces the proximal negative response of the goldfish retina. Olsen BT, et al. **J Physiol (Lond)** 1982 Feb;323:463–72

Membrane properties of solitary horizontal cells isolated from goldfish retina. Tachibana M. **J Physiol (Lond)** 1981 Dec; 321:141–61

Taste response in the facial nerve of the carp, Cyprinus carpio L. Funakoshi M, et al. **Jpn J Physiol** 1981;31(3):381–90

The elixir of life [news] **Nature** 1982 Apr 1;296(5856):392–3

Cell volume regulation in goldfish intestinal mucosa. Groot JA. **Pflugers Arch** 1981 Nov;392(1):57–66

Analysis of the ouabain–induced increase in transepithelial electrical resistance in the goldfish intestinal mucosa. Groot JA, et al. **Pflugers Arch** 1981 Nov;392(1):67–71

Period lengthening and disruption of socially facilitated circadian activity rhythms of goldfish by lithium. Kavaliers M. **Physiol Behav** 1981 Oct;27(4):625–8

Peptides, the pineal gland and thermoregulation. Kavaliers M. **Prog Clin Biol Res** 1982;92:207–15

Control of retinal S–potentials in dark adapted and bleached retinae. Djamgoz MB, et al. **Vision Res** 1981;21(11):1581–4

Characteristics of second order neurons in the dace retina: physiological and morphological studies. Hashimoto Y, et al. **Vision Res** 1981;21(11):1541–50

Physiological and morphological studies of signal pathways in the carp retina. Kaneko A, et al. **Vision Res** 1981; 21(11):1519–26

Growth–related changes in the size of receptive field centers of retinal ganglion cells in goldfish. Macy A, et al. **Vision Res** 1981;21(10):1497–504

Growth–related changes in the receptive field properties of retinal ganglion cells in goldfish. Macy A. **Vision Res** 1981; 21(10):1491–6

Photopigments and carp ganglion cells action spectra. Spekreijse H, et al. **Vision Res** 1981;21(11):1601–4

Propagation of non–spike signals in retinal neurons. Zettler F, et al. **Vision Res** 1981;21(11):1589–90

[Response of the pars intermedia of the goldfish pituitary to deionized water, buffered or not, and to calcium and magnesium supplementation (author's transl)] Olivereau M, et al. **J Physiol (Paris)** 1981 Mar;77(8):895–8 (Eng. Abstr.) **(Fre)**

[Ionic mechanisms of the nonlinearity of retinal horizontal cell membranes] Trifonov IuA, et al. **Neirofiziologiia** 1981; 13(5):531–9 (Eng. Abstr.) **(Rus)**

CYPROHEPTADINE

ADMINISTRATION & DOSAGE

[Use of cyproheptadine (Peritol) as a drug blocking corticotropin secretion in the treatment of Cushing's syndrome] Komissarenko IV, et al.
Probl Endokrinol (Mosk) 1981;27(6):39–42 (Eng. Abstr.) **(Rus)**

ADVERSE EFFECTS

[Iatrogenic hyperkinetic syndrome caused by an antihistaminic [letter]] Calmels JP, et al.
Nouv Presse Med 1982 Jun 26;11(30):2296–7 **(Fre)**

ANALOGS & DERIVATIVES

Treatment of acquired cold urticaria with azatadine. Ahmed AR, et al. **Australas J Dermatol** 1981 Aug;22(2):53–5

The disposition and metabolism of an orexigenic agent, 10,11–dihydro–5–(1–methyl–4–piperidinylidene)–5H–diben acid, in the rat, dog, and cat. Hucker HB, et al.
Drug Metab Dispos 1981 Sep–Oct;9(5):428–33

Bioavailability of d–pseudoephedrine and azatadine from a repeat action tablet formulation. Lin C, et al.
J Int Med Res 1982;10(2):122–5

Azatadine maleate (Zadine): evaluation in the management of allergic rhinitis. Wilson JD, et al. **NZ Med J** 1981 Aug 12;94(689):79–81

ANTAGONISTS & INHIBITORS

An antihistamine antagonises emesis due to an antihistamine. Tongia SK, et al. **Indian J Physiol Pharmacol** 1981 Jul–Sep; 25(3):297–8

DIAGNOSTIC USE

Effects of thyroliberin (TRH), bromocriptine and cyproheptadine on somatotropin secretion in acromegaly. Pawlikowski M, et al. **Mater Med Pol** 1980 Jan–Jun; 12(1–2):70–3

METABOLISM

Selectivity of cyproheptadine as assessed by radioligand binding. Williams M, et al. **J Pharm Pharmacol** 1982 Jan; 34(1):58–9

[Pharmacokinetic characteristics of 14C–peritol based on data on its distribution in rat tissue] Dedenkov AN, et al.
Farmakol Toksikol 1981 Jul–Aug;44(4):443–6 (Eng. Abstr.) **(Rus)**

PHARMACODYNAMICS

The calcium antagonistic effects of cyproheptadine on contraction, membrane electrical events and calcium influx in the guinea–pig taenia coli. Lowe DA, et al.
Br J Pharmacol 1981 Nov;74(3):651–63

Inhibition of food intake in the rat by cyproheptadine. Blavet N, et al. **Experientia** 1982 Feb 15;38(2):264–5

The effect of TRH, cyproheptadine and pimozide on the growth hormone response to intramuscular glucagon. Hainer V, et al. **Horm Metab Res** 1981 Aug;13(8):451–3

Direct effects of thyrotropin–releasing hormone, cyproheptadine, and dopamine on adrenocorticotropin secretion from human corticotroph adenoma cells in vitro. Ishibashi M, et al. **J Clin Invest** 1981 Oct;68(4):1018–27

Cyproheptadine and mineralocorticoid receptors [letter] Armanini D, et al. **N Engl J Med** 1982 Aug 5;307(6):379

A cyproheptadine–reversible defect in ACTH control persisting after removal of the pituitary tumor in Cushing's disease. Lankford HV, et al. **N Engl J Med** 1981 Nov 19; 305(21):1244–8

Uterine serotonin and receptor blockade during estrogen–induced uterine hyperemia. Van Orden DE, et al. **Proc Soc Exp Biol Med** 1981 Sep;167(4):469–74

[Effect of peritol on the activity of the hypothalamo–hypophyseo–adrenal system] Slavnov VN, et al. **Biull Eksp Biol Med** 1981 Aug;92(8):49–51 (Eng. Abstr.) **(Rus)**

[Effect of peritol on serotonin uptake by synaptosomes of brain limbic structures and blood platelets in normal and adrenalectomized rats] Kononenko VIa, et al.
Farmakol Toksikol 1981 Nov–Dec;44(6):676–80 **(Rus)**

[Effect of cyproheptadine (periactin) on serum gastrin levels in rats (author's transl)] Hierro JH, et al.
Arch Farmacol Toxicol 1980 Dec;6(3):229–36 (Eng. Abstr.) **(Spa)**

[Effects of cyproheptadine on the secretion and pituitary content of thyrotropin in rats] Ulloa ER, et al.
Medicina (B Aires) 1981;41(3):333–6 (Eng. Abstr.) **(Spa)**

THERAPEUTIC USE

Treatment of malignant acanthosis nigricans with cyproheptadine. Greenwood R, et al. **Br J Dermatol** 1982 Jun;106(6):697–8

Regression of carcinoid tumour with cyproheptadine. Harris AL, et al. **Br Med J [Clin Res]** 1982 Aug 14;285(6340):475

Non–estrogen treatment for menopausal symptoms [letter] Bloom MG. **Drug Intell Clin Pharm** 1981 Feb;15(2):132

Benoxaprofen and cyproheptadine. Rosenberg JM, et al.
J Med Soc NJ 1982 May;79(5):413–4

Anti–inflammatory testing methods: comparative evaluation of mice and rats. Sugishita E, et al. **J Pharmacobiodyn** 1981 Aug;4(8):565–75

Cyproheptadine for anorexia nervosa [letter] Halmi KA, et al. **Lancet** 1982 Jun 12;1(8285):1357–8

Effects of cyproheptadine and metyrapone on ACTH and aldosterone concentrations in patients with Cushing's disease: a preliminary report. Zgliczyński S, et al.
Mater Med Pol 1980 Jan–Jun;12(1–2):85–90

Cyproheptadine in idiopathic aldosteronism [letter]
N Engl J Med 1981 Nov 12;305(20):1220

Pregnancy after cyproheptadine treatment for Cushing's disease [letter] Griffith DN, et al. **N Engl J Med** 1981 Oct 8;305(15):893–4

Cushing syndrome in dogs: treatment with bromocriptine and cyproheptadine. Richkind M. **VM SAC** 1981 Sep; 76(9):1301–4

[Treatment of Cushing's disease with cyproheptadine (author's transl)] Terayama Y, et al.
Horumon To Rinsho 1981 Jul;29(7):831–5 **(Jpn)**

[Effect of appetite stimulation on the rate of weight recovery in children with protein–calorie malnutrition] Burrows R, et al. **Rev Chil Pediatr** 1981 May–Jun;52(3):187–93 (Eng. Abstr.) **(Spa)**

TOXICITY

The teratogenicity of cyproheptadine in two generations of Wistar rats. de la Fuente M, et al.
Arch Int Pharmacodyn Ther 1982 May;257(1):168–76

CYPROTERONE

ANALOGS & DERIVATIVES

Sex–specific action of antiandrogens on androgen induced changes in hepatic microsomal 3 beta–hydroxysteroid dehydrogenase and 5 alpha–reductase activity in the rat. Lax ER, et al. **Acta Endocrinol (Copenh)** 1981 Oct; 98(2):261–6

The effect of cyproterone acetate on pituitary–ovarian function and clinical symptoms in hirsute women. Lunell NO, et al. **Acta Endocrinol (Copenh)** 1982 May;100(1):91–7

Effects of low doses of cyproterone acetate on sperm morphology and some other parameters of reproduction in normal men. Fredricsson B, et al. **Andrologia** 1981 Jul–Aug;13(4):369–75

Effect of LHRH on cyproterone–acetate–injected adenohypophyses of castrated mice. Migally N.
Arch Androl 1982 Jun;8(4):247–50

Glucocorticoids and aspirin inhibit and cyproterone acetate enhances the androgenic response in mouse kidney. Goldstone AD, et al. **Biochim Biophys Acta** 1981 Sep 18; 677(1):133–9

Effect of cyproterone acetate on rate of hair growth in hirsute females. Jones KR, et al. **Br J Dermatol** 1981 Dec; 105(6):685–92

Cyproterone acetate in advanced male breast cancer. Lopez M, et al. **Cancer** 1982 Jan 1;49(1):9–11

Adrenocortical function in children with precocious sexual development during treatment with cyproterone acetate. Stivel MS, et al. **Clin Endocrinol (Oxf)** 1982 Feb;16(2):163–9

Terminal half–lives in plasma and bioavailability of norethisterone, levonorgestrel, cyproterone acetate and gestodene in rats, beagles and rhesus monkeys. Düsterberg B, et al. **Contraception** 1981 Dec;24(6):673–83

Cyproterone acetate in the treatment of acne vulgaris in adult females. Hansted B, et al. **Dermatologica** 1982 Feb; 164(2):117–26

Effects of cyproterone acetate on growth and androgen metabolism of rat ventral prostate transplants. Thomas JA, et al. **Endocrinol Exp (Bratisl)** 1981 Sep;15(3):171–9

Impaired GH secretion due to prolonged treatment with cyproterone acetate. Abe K, et al. **Endocrinol Jpn** 1982 Feb;29(1):27–9

Cyproterone acetate treatment of females with hyperandrogenism. Julesz J, et al. **Endokrinologie** 1981 Dec; 78(2–3):168–74

Oestrogenic activity of cyproterone acetate in female mice. Lohiya NK, et al. **Endokrinologie** 1981 Oct;78(1):21–7

Effects of CA on the epididymis of intact, castrated and TP–treated langurs (Presbytis entellus entellus Dufresne). Gupta CL, et al. **Experientia** 1981;37(9):1033–4

Influence of cyproterone acetate on the activity of beta–glucuronidase in the hypothalamus and cerebral of the male mouse. Milone M, et al. **Experientia** 1981 Oct 15;37(10):1115–6

The effect of cyproterone acetate on spermatogenesis and thumb pads of the skipper frog, Rana cyanophlyctis (Schn.). Saidapur SK, et al. **Experientia** 1981 Nov 15; 37(11):1162–3

Spermatogenesis and SRBC haemolysin formation in various inbred mouse strains treated with cyproterone acetate. Pokorná Z, et al. **Folia Biol (Praha)** 1981;27(5):354–9

Effects of antiandrogens on glycogen metabolism of spermatozoa from caput epididymidis. Panse GT.
Indian J Exp Biol 1981 Sep;19(9):872–3

The treatment of sexual offenders: castration and antihormone therapy. Ortmann J. **Int J Law Psychiatry** 1980;3(4):443–51

High–performance liquid chromatographic estimation of cyproterone acetate in human plasma. Cannell GR, et al. **J Chromatogr** 1981 Dec 11;226(2):492–7

Cyproterone acetate treatment in precocious puberty. Lorini R, et al. **J Endocrinol Invest** 1981 Jul–Sep;4(3):263–70

Local suppression of sebum secretion in rats by topical cyproterone acetate in ethanol. Ebling FJ, et al.
J Invest Dermatol 1981 Dec;77(6):458–63

Cholesterol ester metabolism in plasma during estrogen and antiandrogen treatment in men with carcinoma of the prostate. Wallentin L, et al. **J Lab Clin Med** 1981 Dec; 98(6):906–16

Comparative study in the treatment of acne vulgaris with cyproterone acetate, tetracycline and vitamin A acid. Kotrajaras R. **J Med Assoc Thai** 1982 Apr;65(4):198–202

Effects of an anti–androgen in the laying hen (Gallus domesticus). Luck MR. **J Reprod Fertil** 1982 Mar; 64(2):381–5

D–TRP5–analogue of luteinising hormone releasing hormone in combination with cyproterone acetate to treat precocious puberty. Laron Z, et al. **Lancet** 1981 Oct 31;2(8253):955–6

Effects of the cyproterone acetate + ethynil oestradiol antiandrogen association on blood coagulation and fibrinolysis in hirsute women. Ghezzo F, et al.
Panminerva Med 1981 Oct–Dec;23(4):223–6

The effect of cyproterone acetate on shock elicited aggression in rats. Prasad V, et al. **Pharmacol Biochem Behav** 1981 Nov;15(5):691–4

Chemical castration with cyproterone acetate (Androcur) and sexual behavior in the laboratory–housed male stumptailed macaque (Macaca arctoides). Slob AK, et al.
Physiol Behav 1981 Oct;27(4):629–36

Antiandrogenic effects of cyproterone acetate and chloromadinone acetate on the rat hypothalamus as revealed by electroencephalographic responses. Kaur C, et al. **Physiol Bohemoslov** 1981;30(4):365–73

In vivo studies on the antiandrogenic effects of cimetidine versus cyproterone acetate in rats. Baba S, et al.
Prostate 1981;2(2):163–74

Cyproterone acetate, testosterone, LH, FSH, and prolactin levels in plasma after intramuscular application of cyproterone acetate in patients with prostatic cancer. Rost A, et al. **Prostate** 1981;2(3):315–22

The effects of orchidectomy, estrogens, and cyproterone acetate on plasma testosterone, LH, and FSH concentrations in patients with carcinoma of the prostate. Varenhorst E, et al. **Scand J Urol Nephrol** 1982;16(1):31–6

Teratogenic effects of cyproterone acetate and medroxyprogesterone treatment during the pre– and postimplantation period of mouse embryos. II. Cyproterone acetate and medroxyprogesterone acetate treatment before implantation in vivo and in vitro. Eibs HG, et al.
Teratology 1982 Jun;25(3):291–9

Teratogenic effects of cyproterone acetate and medroxyprogesterone treatment during the pre– and postimplantation period of mouse embryos. I. Eibs HG, et al. **Teratology** 1982 Feb;25(1):27–36

Effect of cyproterone/acetate (SH–714) on plasma prolactin in patients with prostatic cancer. Holub G, et al.
Urol Res 1981;9(5):245–7

[Cyproterone acetate in the therapy of pubertas praecox isosexualis centralis in girls. Hořejší J, et al.
Cesk Gynekol 1980 Nov;45(9):661–3 **(Cze)**

[Decrease of the sebum excretion rate and improvement of acne in acneic women treated with the association: cyproterone acetate–ethinyl estradiol (author's transl)] Lehucher–Ceyrac D, et al. **Ann Dermatol Venereol** 1981; 108(11):861–8 (Eng. Abstr.) **(Fre)**

[Effect of cyproterone acetate on the secretion ACTH, cortisol and testosterone, and on the urinary elimination of 17–OHCS and 17–CS in hirsute females] Djurić DS, et al. **Endocrinologie** 1981 Jan–Mar;19(1):59–63 **(Fre)**

[The influence of antiandrogens on the development of vaginal candidosis (author's transl)] Farkas B, et al.
Mykosen 1981 Apr;24(4):203–8 (Eng. Abstr.) **(Ger)**

[Long–term treatment of virilized women with cyproterone acetate (author's transl)] Abrahamsson L, et al.
Wien Klin Wochenschr 1981 Sep 18;93(17):552–6 (Eng. Abstr.) **(Ger)**

[Ultrastructure of the epithelium of the guinea–pig epididymis and its changes after treatment with cyproterone acetate] Bondi C, et al. **Arch Ital Anat Embriol** 1980;85(4):373–89 (Eng. Abstr.) **(Ita)**

[Antiandrogen treatment with cyproterone acetate in with virilizing symptoms] Abrahamsson L, et al.
Lakartidningen 1981 Nov 18;78(47):4259–61 (Eng. Abstr.) **(Swe)**

PHARMACODYNAMICS

Effect of cyproterone acetate & cyproterone acetate + ascorbic acid on pars distalis of the toad Bufo melanostictus. Hussain M, et al. **Indian J Exp Biol** 1981 Nov;19(11):1061–2

Antiandrogen effects on androgen–responsive mammary tumour cells in culture. Yates J, et al.
J Steroid Biochem 1981 Sep;14(9):819–22

[Weight modification of rat male accesory sexual glands by castration and treatment with oestrogens, melatonine and cyproterone. (author's transl)] Beneit JV, et al.
Arch Farmacol Toxicol 1980 Dec;6(3):277–86 (Eng. Abstr.) **(Spa)**

THERAPEUTIC USE

Cyproterone acetate in the treatment of hirsutism. Ylöstalo P, et al. **Acta Obstet Gynecol Scand** 1981;60(4):399–401

Cyproterone acetate for severe hirsutism? **Drug Ther Bull**

1981 Dec 4;19(25):99–100

Precocious puberty. Three cases and a review of current treatment. O'Hara MJ, et al. **Ir Med J** 1981 Nov; 74(11):325–7

Striking regression of advanced prostatic carcinoma induced by cyproterone acetate (Androcur). A case report. Varenhorst E, et al. **Scand J Urol Nephrol** 1981;15(2):157–9

[Management of virilization with an antiandrogen–containing contraceptive] Apró G, et al. **Orv Hetil** 1981 Jul 26; 122(30):1821–4 **(Hun)**

[Treatment of precocious puberty with cyproterone acetate] Mota A, et al. **Acta Med Port** 1981 May–Jun;3(3):195–9 **(Por)**

CYSTADENOCARCINOMA

COMPLICATIONS

Zollinger–Ellison syndrome due to a gastrin–producing ovarian cystadenocarcinoma. Bollen EC, et al. **Br J Surg** 1981 Nov;68(11):776–7

Hypercalcemia with ovarian carcinoma: evidence of a pathogenetic role for prostaglandins. Josse RG, et al. **Cancer** 1981 Sep 1;48(5):1233–41

Ovarian carcinoma complicated by gastric outlet obstruction. Katz LB, et al. **J Surg Oncol** 1981;18(3):261–4

DIAGNOSIS

An unusual case of ruptured tubo–ovarian abscess simulating ovarian carcinoma. Krebs HB, et al. **Diagn Gynecol Obstet** 1982 Spring;4(1):63–8

Tumor markers in the ovarian carcinoma. Margariti PA, et al. **Eur J Gynaec Oncol** 1980 May;1(2):77–9

Biochemical and cytological analyses of cystic fluid aspirated by percutaneous puncture under ultrasonic guidance in cystic diseases of the pancreas. Kimura K, et al. **Gastroenterol Jpn** 1982;17(1):4–9

Biliary cystadenocarcinoma: report of a case presenting with osseous metastasis and a review of the literature. Berjian RA, et al. **J Surg Oncol** 1981;18(3):305–16

[Experiences in diagnosis and treatment of cystadenoma and cystadenocarcinoma of pancreas (author's transl)] Zeng XJ, et al. **Chung Hua Wai Ko Tsa Chih** 1981 Jan;19(1):51–4 (Eng. Abstr.) **(Chi)**

[Cystic adenoid carcinoma of the parotid gland. A case with multifocal bone metastases] Pleche M, et al. **J Fr Otorhinolaryngol** 1982 Apr;31(4):251–9 **(Fre)**

[Cystadenocarcinoma--a rare differential diagnosis of pancreas tumors] Werner A. **Zentralbl Chir** 1982; 107(2):111–3 **(Ger)**

DRUG THERAPY

Advanced ovarian carcinoma: response to antiestrogen therapy. Myers AM, et al. **Cancer** 1981 Dec 1; 48(11):2368–70

Chemotherapy of advanced ovarian carcinoma: initial experience using a platinum–based combination. Williams CJ, et al. **Cancer** 1982 May 1;49(9):1778–83

Response to second line chemotherapy in ovarian cancer of epithelial origin. Menczer J, et al. **Eur J Cancer Clin Oncol** 1981 Dec;17(12):1259–62

[Chromosome aberrations as morphological criteria of the effectiveness of chemotherapy of ovarian tumors] Irzhanov SI, et al. **Akush Ginekol (Mosk)** 1981 Sep;(9):22–4 (Eng. Abstr.) **(Rus)**

ENZYMOLOGY

Structural study of the sugar chains of alpha–amylases produced ectopically in tumors. Yamashita K, et al. **J Biochem (Tokyo)** 1981 Nov;90(5):1281–9

IMMUNOLOGY

A comparison of the physicochemical properties of carcinoembryonic antigen in extracts of tumour tissue, ascitic and cyst fluid from ovarian cancer. Hill R, et al. **Aust J Exp Biol Med Sci** 1981 Aug;59(4):469–76

Monoclonal antibodies recognizing tumor–associated antigen of human ovarian mucinous cystadenocarcinomas. Bhattacharya M, et al. **Cancer Res** 1982 May;42(5):1650–4

Nature of carcinoembryonic antigen purified from malignant ascitic fluid of serous cystadenocarcinoma of the ovary. Hill R, et al. **Mol Immunol** 1981 Jul;18(7):647–53

METABOLISM

[Kinetic study of cis–diamminedichloroplatinum in a case of serous cystadenocarcinoma of ovary with severe renal insufficiency (author's transl)] Giudicelli CP, et al. **Therapie** 1981 Nov–Dec;36(6):653–8 (Eng. Abstr.) **(Fre)**

PATHOLOGY

Psammoma bodies in peritoneal washings. Young OH, et al. **Acta Cytol (Baltimore)** 1982 Mar–Apr;26(2):233–6

Cystadenocarcinoma of the pancreas manifested as a splenic cyst. Matsumoto M, et al. **Acta Pathol Jpn** 1981 Nov; 31(6):1089–96

Endometrial cancer: evaluation of spread and follow–up one hundred eighty–nine patients with Stage I or Stage II disease. Burrell MO, et al. **Am J Obstet Gynecol** 1982 Sep 15;144(2):181–5

Biliary cystadenocarcinoma with peritoneal carcinomatosis. Iemoto Y, et al. **Cancer** 1981 Oct 1;48(7):1664–7

Multiple tumor of the female genital organs. Ferrer M, et al. **Eur J Gynaec Oncol** 1980 May;1(2):72–6

Ovarian cystadenocarcinoma in a 4–year–old girl: report of a case and review of the literature. Blom GP, et al. **Gynecol Oncol** 1982 Apr;13(2):242–6

Synchronous multiple primary neoplasms of the upper female genital tract. Matlock DL, et al. **Gynecol Oncol** 1982 Apr; 13(2):271–7

Giant cell tumor of the pancreas of the osteoclastic type associated with a mucous secreting cystadenocarcinoma. Posen JA. **Hum Pathol** 1981 Oct;12(10):944–7

Mixed Mullerian tumour of ovary in association with breast carcinoma and serous cystadenocarcinoma carcinoma of other ovary. Kapila K, et al. **Indian J Cancer** 1981 Sep; 18(3):225–8

Importance of histologic grading in the prognosis of epithelial ovarian carcinoma. Sorbe B, et al. **Obstet Gynecol** 1982 May;59(5):576–82

In vivo horizontal oncogenesis by a human tumor in nude mice. Goldenberg DM, et al. **Proc Natl Acad Sci USA** 1982 Apr;79(7):2389–92

[Primary liver cystadenocarcinoma associated with cystadenoma (author's transl)] Voigt JJ, et al. **Gastroenterol Clin Biol** 1982 Mar;6(3):279–82 (Eng. Abstr.) **(Fre)**

[Cystadenocarcinoma complicating urachal cysts. A case report and review of the literature (author's transl)] Leborgne J, et al. **J Chir (Paris)** 1982 Jan;119(1):35–41 (Eng. Abstr.) **(Fre)**

[Psammoma bodies in cervical smears (author's transl)] Schenck U, et al. **Geburtshilfe Fraunheilkd** 1982 Feb; 42(2):127–9 (Eng. Abstr.) **(Ger)**

[Quantitative analysis on in vitro drug sensitivity of cultured human ovarian cancer cell lines (author's transl)] Motoyama T. **Nippon Sanka Fujinka Gakkai Zasshi** 1982 Mar;34(3):308–14 (Eng. Abstr.) **(Jpn)**

[A case of pancreatic cystadenocarcinoma with a review 82 cases in Japan (author's transl)] Sako Y, et al. **Nippon Shokakibyo Gakkai Zasshi** 1982 Apr;79(4):993–9 **(Jpn)**

SURGERY

Therapeutic, clinical and histological factors related to the survival of patients with advanced ovarian carcinoma. Kauppila A, et al. **Ann Chir Gynaecol** 1981;70(3):91–5

A planned prospective study of combined treatment in stage III epithelial ovarian cancer. Fiorentino M, et al. **Eur J Gynaec Oncol** 1981 Jan;2(1):17–21

[Cystadenoma of the pancreas, a potentially malignant tumor (author's transl)] Wymer T, et al. **Leber Magen Darm** 1981 Aug;11(4):185–8 (Eng. Abstr.) **(Ger)**

THERAPY

Results of treatment of primary ovarian carcinoma. Saarikoski S, et al. **Ann Chir Gynaecol** 1982;71(3):156–60

The integration of new therapies and radiation in the management of ovarian cancer. Order SE, et al. **Cancer** 1981 Jul 15;48(2 Suppl):590–6

Intensified nutrition as an adjunct to cytotoxic chemotherapy in gynaecological cancer patients. Nuutinen LS, et al. **Clin Oncol** 1982 Jun;8(2):107–12

[New trends in treatment of ovarian carcinoma (author's transl)] Janisch H, et al. **Zentralbl Gynakol** 1982; 104(8):449–62 (30 ref.) (Eng. Abstr.) **(Ger)**

[Effect of preoperative chemotherapy on the DNA content in ovarian serous cystadenocarcinomas] Irzhanov SI, et al. **Vopr Onkol** 1981;27(8):49–52 **(Rus)**

CYSTADENOMA

Adenocarcinoma of the colon associated with benign appendiceal neoplasm. Toedebusch WH, et al. **South Med J** 1982 Jul;75(7):893

BLOOD

[A case of postmenopausal giant ovarian cyst with endocrine effect (author's transl)] Mesaki N, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1982 Jan;34(1):115–8 **(Jpn)**

COMPLICATIONS

[Papillary adenoma in the wall of a calcified solitary kidney cyst] Clausner A, et al. **Z Arztl Fortbild (Jena)** 1981 Apr 15;75(8):371–3 **(Ger)**

[Benign papillary cystadenoma of the gallbladder with temporary incomplete cholestasis and concomitant pancreatitis. Diagnostic problems] Mättig H, et al. **Zentralbl Chir** 1982;107(4):236–9 **(Ger)**

DIAGNOSIS

Biliary cystadenoma. Frick MP, et al. **AJR** 1982 Aug; 139(2):393–5

Mucinous cystadenomas of the liver. Cahill CJ, et al. **Clin Oncol** 1982 Jun;8(2):171–7

Giant ovarian cyst: case report and review of differential diagnosis in adolescents. Westfall CT, et al. **Clin Pediatr (Phila)** 1982 Apr;21(4):228–30

Cystadenoma of the liver. van Roekel V, et al. **J Clin Gastroenterol** 1982 Apr;4(2):167–72

Pancreatic cystadenoma. Lee NW, et al. **J R Coll Surg Edinb** 1981 Sep;26(5):300–2

[Experiences in diagnosis and treatment of cystadenoma and cystadenocarcinoma of pancreas (author's transl)] Zeng XJ, et al. **Chung Hua Wai Ko Tsa Chih** 1981 Jan;19(1):51–4 (Eng. Abstr.) **(Chi)**

[Neoplastic cysts of the pancreas (editorial)] Pomeranz I, et al. **Harefuah** 1982 Feb 15;102(4):173–5 **(Heb)**

[A case of rupture of the left inferior epigastric artery simulating homolateral ovarian cystoma] Rizzuto E, et al. **Minerva Ginecol** 1982 Jan–Feb;34(1–2):71–4 **(Ita)**

[Clinical conference at the Department of Surgery, Research Institute for Tuberculosis and Cancer, Tohoku University. 2. Case of pulmonary cystoma with diagnostic difficulty] **Kyobu Geka** 1981 Oct;34(10):814–7 **(Jpn)**

DRUG THERAPY

Chemotherapy of malignant ovarian tumors--therapeutic results with cisplatin. Tanaka T, et al. **Asia Oceania J Obstet Gynaecol** 1982 Mar;8(1):37–46

[The problem of accidental paravenous application of cytostatics--case history (author's transl)] Sommer H, et al. **Zentralbl Gynakol** 1981;103(21):1324–8 (Eng. Abstr.) **(Ger)**

ENZYMOLOGY

[Unique form of ovarian cancer with a stable increase in blood and urinary amylase activity] Khazanov AI, et al. **Klin Med (Mosk)** 1982 Feb;60(2):93–5 **(Rus)**

[Determination of amylase and lipase in peritoneal fluid: diagnostic value in ovarian cysts (author's transl)] Esmatjes Mompó E, et al. **Med Clin (Barc)** 1981 Jul 15;77(3):121–3 (Eng. Abstr.) **(Spa)**

ETIOLOGY

[Mucocele of the appendix with particular attention to mucinous cystadenoma of the appendix] Holck S. **Ugeskr Laeger** 1981 Dec 7;143(50):3384–6 (Eng. Abstr.) **(Dan)**

IMMUNOLOGY

[Cellular and humoral immunity in patients with benign tumors and tumor–like formations of ovaries] Selezneva ND, et al. **Sov Med** 1982;(4):37–41 (Eng. Abstr.) **(Rus)**

PATHOLOGY

Mucinous cystadenoma of the appendix appearing as an inguinal hernia [letter] Chen KT, et al. **Arch Pathol Lab Med** 1982 Aug;106(8):423–4

An unusual case of benign tumour of nipple. Thuse MG. **Br J Clin Pract** 1981 Jul–Aug;35(7–8):283, 285

Serous cystadenoma formation in guinea pig ovaries. Quattropani SL. **J Submicrosc Cytol** 1981 Jul;13(3):337–45

Massive ovarian mucinous cystadenoma of low malignant potential. Buller RE, et al. **Obstet Gynecol** 1982 Jun;59(6 Suppl):112S–6S

[Sialadenoma papilliferum] Tanghe W, et al. **Acta Otorhinolaryngol Belg** 1981;35(3–4):351–7 (Eng. Abstr.) **(Dut)**

[Primary liver cystadenocarcinoma associated with cystadenoma (author's transl)] Voigt JJ, et al. **Gastroenterol Clin Biol** 1982 Mar;6(3):279–82 (Eng. Abstr.) **(Fre)**

[Cystadenoma of the pancreas, a potentially malignant tumor (author's transl)] Wymer T, et al. **Leber Magen Darm** 1981 Aug;11(4):185–8 (Eng. Abstr.) **(Ger)**

[Abdominal tumors] Füsgen I, et al. **Med Welt** 1981 Dec 25;32(51–52):1947–8 **(Ger)**

[An unusual case of papillary cystadenoma of the pancreas] Del Buono G. **Arch De Vecchi Anat Patol** 1980 Nov; 64(2):305–21 **(Ita)**

[A case of cancerized papillary adenoma of the Vaterian region] Murabito R, et al. **Chir Ital** 1981 Aug;33(4):901–11 **(Ita)**

[The coexistence of benign papillary adenoma and adenocarcinoma of the ampulla of Vater (author's transl)] Tsuboi K, et al. **Nippon Geka Hokan** 1981 Nov 1; 50(6):891–8 (Eng. Abstr.) **(Jpn)**

[Pancreatic cystadenoma with malignant degeneration] Dasaev AN, et al. **Sov Med** 1981;(4):118–9 **(Rus)**

RADIONUCLIDE IMAGING

Radionuclide salivary gland imaging of maxillary sinus oncocytoma. Noyek AM, et al. **J Otolaryngol** 1982 Feb; 11(1):17–22

RADIOTHERAPY

[Results of high energy X–ray therapy of gastric carcinoma. Part III: Early gastric carcinoma (T1 carcinoma) (author's transl)] Yamada S, et al. **Nippon Igaku Hoshasen Gakkai Zasshi** 1981 Nov 25; 41(11):1073–80 (Eng. Abstr.) **(Jpn)**

SURGERY

Nipple discharge from the breast. Murad TM, et al. **Ann Surg** 1982 Mar;195(3):259–64

Britain's biggest ovarian cyst? Drife JO, et al. **Br Med J [Clin Res]** 1981 Dec 19;283(6307):1661–2

THERAPY

Results of treatment of primary ovarian carcinoma. Saarikoski S, et al. **Ann Chir Gynaecol** 1982;71(3):156–60

ULTRASTRUCTURE

Coexisting rete testis adenoma and gonadoblastoma. Altaffer LF 3d, et al. **J Urol** 1982 Feb;127(2):332–5

Benign, borderline and malignant serous cystadenomas of the ovary. A transmission and scanning electron microscopical study. Stenbäck F. **Pathol Res Pract** 1981 Jul; 172(1–2):58–72

CYSTADENOMA LYMPHOMATOSUM, PAPILLARY see **ADENOLYMPHOMA**

CYSTAMINE

ADMINISTRATION & DOSAGE

[Comparative evaluation of the effectiveness of radioprotective agents judged from their protection of bone marrow and the gastrointestinal tract] Piatovskaia NN, et al. **Radiobiologiia** 1982 Mar–Apr;22(2):183–6 **(Rus)**

ANALOGS & DERIVATIVES

N,N–Bis(alpha–iodoacetyl)–2,2'–dithiobis(ethylamine), a reversible crosslinking reagent for protein sulfhydryl groups. Ludueña RF, et al. **Anal Biochem** 1981 Oct; 117(1):76–80

Inhibition by the tetramine disulphide, benextramine, of cardiac chronotropic histamine H2–receptor–mediated effects. Belleau B, et al. **Br J Pharmacol** 1982 Apr; 75(4):573–8

Presynaptic effect of clonidine antagonized by the tetramine disulphide, benextramine. Belleau B, et al. **Br J Pharmacol** 1982 Apr;75(4):617–21

Inhibition of adrenaline–induced platelet aggregation by the alpha–adrenoceptor blocking drug benextramine. Belleau B, et al. **Br J Pharmacol** 1982 Jun;76(2):253–7

METABOLISM

[Effect of pharmacologically active agents on the transformation of cystamine in mouse tissues] Tarnopol'skaia LG. **Radiobiologiia** 1982 Mar–Apr; 22(2):246–50 **(Rus)**

PHARMACODYNAMICS

Inactivation of fructose 1,6–bisphosphatase by a lysosomal proteinase is reversed by cystamine. Pontremoli S, et al. **Arch Biochem Biophys** 1982 Feb;213(2):731–3

Cystamine–Sepharose. A probe for the active site of gamma–glutamylcysteine synthetase. Seelig GF, et al. **J Biol Chem** 1982 May 10;257(9):5092–6

Increase in proliferative markers after inhibition of transglutaminase. Birckbichler PJ, et al. **Proc Natl Acad Sci USA** 1981 Aug;78(8):5005–8

Protection of hemopoietic tissue in whole body gamma irradiated mice by cystamine given intramuscularly. Kuna P. **Radiobiol Radiother (Berl)** 1981;22(3):315–7

Radioprotective and hemodynamic action of cystamine given intramusculary in rats. Kuna P. **Radiobiol Radiother (Berl)** 1981;22(6):793–800

Radioprotective effect of WR–2721 in rabbits: a comparison with cystamine. Kuna P, et al. **Radiobiol Radiother (Berl)** 1981;22(5):644–52

Changes in the reduced glutathione concentration and the activity of glutathione reductase in some tissues of the rats gamma–irradiated after the administration of cystamine. Pulpánová J, et al. **Radiobiol Radiother (Berl)** 1982 Jan; 23(1):50–6

[The significance of superoxide dismutase in the development of th post–irradiation syndrome. VI. The effect of cystamine on superoxide dismutase activity in the erythrocytes of irradiated and non–irradiated rats] Kratochvílová V, et al. **Sb Ved Pr Lek Fak Univ Karlovy [Suppl]** 1981;24(2):261–8 (Eng. Abstr.) **(Cze)**

[Radioprotective effect of cystamine and mexamine in 2 sequential cell divisions] Sidorov VP. **Radiobiologiia** 1981 May–Jun;21(3):368–73 (Eng. Abstr.) **(Rus)**

THERAPEUTIC USE

[Protein metabolic indices in radiation sickness and the administration of cystamine] Serebrennikova IA, et al. **Radiobiologiia** 1981;21(4):577–81 **(Rus)**

[Effect of chemical radioprotectors and subsequent therapy on the survival of dogs subjected to lethal gamma irradiation] Kuna P, et al. **Voen Med Zh** 1982 Feb;(2):68–9 **(Rus)**

TOXICITY

The modification of toxic and radioprotective effects of cystamine by calcium ions in rats. Kuna P. **Radiobiol Radiother (Berl)** 1981;22(3):318–23

Administration of diazepam before cystamine in rats: lack of modification. Kuna P. **Radiobiol Radiother (Berl)** 1981; 22(5):639–43

Influence of sympathotropic drugs on the acute toxicity of cystamine in non–irradiated and irradiated mice. Kuna P, et al. **Sb Ved Pr Lek Fak Univ Karlovy** 1981;24(4):527–32

Modification of toxic effects of cystamine by adrenergic agents in rats. Volenec K, et al. **Sb Ved Pr Lek Fak Univ Karlovy** 1981;24(4):541–7

CYSTAPHOS see under **ORGANOTHIOPHOSPHORUS COMPOUNDS**

CYSTATHIONINE

ANALYSIS

[Regulation of the concentration of l–cystathionine in brain tissue follow craniocerebral injuries] Iurkina NA, et al. **Vopr Med Khim** 1982 Mar–Apr;28(2):93–5 **(Rus)**

URINE

Studies with cystathionase–deficient lymphoid cell lines in culture. Guarini L, et al. **Enzyme** 1982;27(2):69–74

[Various forms of cystathioninuria] Endres W. **Fortschr Med** 1982 Mar 18;100(11):460–4 (Eng. Abstr.) **(Ger)**

CYSTATHIONINE BETA–SYNTHASE see under **HYDRO–LYASES**

CYSTATHIONINE GAMMA–LYASE see under **LYASES**

CYSTEAMINE

Cysteamine–induced adrenocortical necrosis in rats. McComb DJ, et al. **Exp Mol Pathol** 1981 Dec;35(3):422–34

The stability of an oral liquid formulation of cysteamine. Brodrick A, et al. **J Clin Hosp Pharm** 1981 Mar;6(1):67–70

Demonstration of an interaction of the radioprotector cysteamine with lecithin. Kranck H, et al. **Physiol Chem Phys** 1981;13(5):429–37

[Studies on pathogenesis of cysteamine–induced duodenal ulcer in rats (1st report) (author's transl)] Ikeda Y, et al. **Nippon Shokakibyo Gakkai Zasshi** 1981 Dec 1; 78(12):2308–15 (Eng. Abstr.) **(Jpn)**

ADVERSE EFFECTS

Adverse reactions to oral cysteamine use in nephropathic cystinosis. Corden BJ, et al. **Dev Pharmacol Ther** 1981; 3(1):25–30

ANALOGS & DERIVATIVES

Michael addition of thiols with 4–methyleneglutamic acid: preparation of adducts, their properties and presence in peanuts. Powell GK, et al. **Biochem Biophys Res Commun** 1982 Apr 29;105(4):1361–7

Cysteamine S–phosphate hydrolysis by pure human alkaline phosphatases and by sera from patients with lymphoproliferative disorders. Gainer AL, et al. **Cancer Res** 1982 Sep;42(9):3507–9

Formation of pyrophosphate, tripolyphosphate, and phosphorylimidazole with the thioester, n, s–diacetyl–cysteamine, as the condensing agent. Weber AL. **J Mol Evol** 1981;18(1):24–9

ANALYSIS

A simple, rapid assay for cysteamine and other thiols. Jonas AJ, et al. **Anal Biochem** 1981 Jul 1;114(2):429–32

BLOOD

Plasma cysteamine concentrations in children treated for cystinosis. Jonas AJ, et al. **J Pediatr** 1982 Feb;100(2):321–3

PHARMACODYNAMICS

Comparison between two radiation protective substances in irradiated mice. Effect on splenic haemopoiesis. Carfagnini JC, et al. **Acta Radiol [Oncol]** 1981;20(3):199–208

Effect of cysteamine on amino acid pools of cultured fibroblasts and the uptake of L–proline. States B, et al. **Biochem Biophys Res Commun** 1982 Apr 29;105(4):1327–32

Selective depletion of somatostatin in rat brain by cysteamine. Palkovits M, et al. **Brain Res** 1982 May 20;240(1):178–80

Cysteamine–induced inhibition of acid neutralization and the increase in hydrogen ion back–diffusion in duodenal mucosa. Ohe K, et al. **Dig Dis Sci** 1982 Mar;27(3):250–6

Somatostatin in rat tissues is depleted by cysteamine administration. Szabo S, et al. **Endocrinology** 1981 Dec; 109(6):2255–7

Protection against cis–dichlorodiammine Pt (II) cytotoxicity in vitro by cysteamine. Shrieve DC, et al. **Int J Radiat Oncol Biol Phys** 1982 Mar–Apr;8(3–4):585–8

Depletion of somatostatin–like immunoreactivity in the rat central nervous system by cysteamine. Sagar SM, et al. **J Neurosci** 1982 Feb;2(2):225–31

Cysteamine reduces serum gonadotropin concentrations in adult male rats. Badger TM, et al. **Life Sci** 1982 Jan 18; 30(3):245–52

Differential effect of changing central and peripheral catecholamine levels in cysteamine–induced duodenal ulcer in the rat. Horner HC, et al. **Life Sci** 1981 Dec 7; 29(23):2437–43

Cysteamine inhibition of [15N]–glycine turnover in cystinosis and of glycine cleavage system in vitro. Yudkoff M, et al. **Metabolism** 1981 Nov;30(11):1096–103

Cysteamine protection of SCEs induced by UV and fluorescent light. Bianchi M, et al. **Mutat Res** 1982 May–Jun;104(4–5):281–6

Cysteamine: a potent and specific depletor of pituitary prolactin. Millard WJ, et al. **Science** 1982 Jul 30; 217(4558):452–4

[Study of the radioprotective effect of cysteamine using the thermoinducible phage lambda as a model] Bresler SE, et al. **Radiobiologiia** 1982 Mar–Apr;22(2):176–82 **(Rus)**

[Radioprotective effect of cysteamine on wild–type and DNA repair–mutant strains of yeast cells] Gil'iano NIa, et al. **Radiobiologiia** 1981 May–Jun;21(3):379–83 (Eng. Abstr.) **(Rus)**

[Reaction of thiols with primary radiation damage in bacteriophages] Korystov IuN, et al. **Radiobiologiia** 1982 Mar–Apr;22(2):171–5 (Eng. Abstr.) **(Rus)**

THERAPEUTIC USE

Paracetamol–induced acute renal failure [letter] Harris AL. **Br Med J [Clin Res]** 1982 Mar 13;284(6318):825

Treatment of cystinosis with cysteamine. A pilot study determining dose and form of application. Bergonzi E, et al. **Helv Paediatr Acta** 1981 Nov;36(5):437–43

CYSTEIC ACID see under **AMINO ACIDS, SULFUR**

CYSTEINAMINE see **CYSTEAMINE**

CYSTEINE

Chemical modification of cysteine and tyrosine residues in formyltetrahydrofolate synthetase from Clostridium thermoaceticum. Elliott JI, et al. **Arch Biochem Biophys** 1982 Apr 15;215(1):245–52

Human liver acid phosphatases: cysteine residues of the low–molecular–weight enzyme. Laidler PM, et al. **Arch Biochem Biophys** 1982 Jul;216(2):512–21

Specific cleavage of glucosephosphate isomerases at cysteinyl residues using 2–nitro–5–thiocyanobenzoic acid: analyses of peptides eluted from polyacrylamide gels and localization of active site histidyl and lysyl residues. Lu HS, et al. **Arch Biochem Biophys** 1981 Dec;212(2):347–59

Identification of cysteines in subunit II as ligands to the redox centers of bovine cytochrome c oxidase. Darley–Usmar VM, et al. **Biochem Biophys Res Commun** 1981 Dec 31; 103(4):1223–30

Role of cysteine and 4'–phosphopantetheine in the inactivation of pigeon liver fatty acid synthetase by S–(4–bromo–2,3–dioxobutyl)–coenzyme A. Katiyar SS, et al. **Biochem Biophys Res Commun** 1982 Jan 29; 104(2):517–22

The reactive SH1 and SH2 cysteines in myosin subfragment 1 are cross–linked at similar rates with reagents of different length. Miller L, et al. **Biochem Biophys Res Commun** 1982 May 14;106(1):117–22

The chemical reactivity of the histidine–195 residue in lactate dehydrogenase thiomethylated at the cysteine–165 residue. Bloxham DP. **Biochem J** 1981 Jan 1;193(1):93–7

Electrostatic influence of local cysteine environments on disulfide exchange kinetics. Snyder GH, et al. **Biochemistry** 1981 Nov 10;20(23):6509–19

Modification of two essential cysteines in rabbit muscle pyruvate kinase by the guanine nucleotide analogue 5'[p–(fluorosulfonyl) benzoyl] guanosine. Tomich JM, et al. **Biochemistry** 1981 Nov 10;20(23):6711–20

Selective arylation of cysteine–237 of rabbit muscle aldolase with 4–chloro–7–nitrobenzofurazan. Wong P, et al. **Biochim Biophys Acta** 1982 Jan 4;700(1):33–41

Parameters affecting the superreactivity of the cysteine side chain in histone H3. Characterization of a 32–amino–acid peptide including Cys–110. Bode J, et al. **Eur J Biochem** 1982 Mar;123(1):23–8

The role of the cysteinyl and one of the tryptophyl residues in the neurotoxic action of suberitine. Cariello L, et al. **Experientia** 1981;37(8):801–3

Effect of cysteine on heat inactivation of soybean trypsin inhibitors. Lei MG, et al. **J Agric Food Chem** 1981 Nov–Dec;29(6):1196–9

Reaction of the adenine nucleotide analogue 5'–p–fluorosulfonylbenzoyl adenosine at distinct tyrosine and cysteine residues of rabbit muscle pyruvate kinase. Annamalai AE, et al. **J Biol Chem** 1981 Oct 25; 256(20):10276–83

Endogenous cysteine ligation in ferric and ferrous cytochrome P–450. Direct evidence from x–ray absorption spectroscopy. Hahn JE, et al. **J Biol Chem** 1982 Sep 25; 257(18):10934–41

Identification of an active site cysteine residue in Escherichia coli pyruvate oxidase. Koland JG, et al. **J Biol Chem** 1982 Jun 10;257(11):6023–7

5'–p–Fluorosulfonylbenzoyladenosine. Inactivation of myosin subfragment 1 and a model reaction with cysteine. Togashi CT, et al. **J Biol Chem** 1982 Sep 10; 257(17):10112–8

Abnormal lipoprotein receptor–binding activity of the human E apoprotein due to cysteine–arginine interchange at a single site. Weisgraber KH, et al. **J Biol Chem** 1982 Mar 10;257(5):2518–21

The N–ethylmaleimide–sensitive cysteine residue in the pH–dependent subunit interactions of malate dehydrogenase. Wood DC, et al. **J Biol Chem** 1981 Oct 10;256(19):9895–900

Accessibilities and reactivities of cysteine thiols during refolding of reduced bovine pancreatic trypsin inhibitor. Creighton TE. **J Mol Biol** 1981 Sep 5;151(1):211–3

Color reaction of sugars with cysteine. II. Pigment formation from sugars and biological materials. Kinuta M, et al. **Physiol Chem Phys** 1981;13(6):511–5

ADMINISTRATION & DOSAGE

Tolerance of the chick to excess dietary cadmium as influenced by dietary cysteine and by experimental infection with Eimeria acervulina. Czarnecki GL, et al. **J Anim Sci** 1982 May;54(5):983–8

[Special combination of anticancer drug with its antidote for chemotherapy of hepatic metastasis in rat (author's transl)] Nishikawa K. **Fukuoka Igaku Zasshi** 1981 May;72(5):290–9 (Eng. Abstr.) **(Jpn)**

ANALOGS & DERIVATIVES

Effect of S-carboxymethylcysteine on the biophysical and biochemical properties of mucus in chronic bronchitics. Cox A, et al. **Adv Exp Med Biol** 1982;144:423–9

Interaction of taurine with its precursor, cysteine sulfinic acid. In the central nervous system. Iwata H, et al. **Adv Exp Med Biol** 1981;139:211–9

Assay of cysteine conjugate beta-lyase activity with S-(2-benzothiazolyl)cysteine as the substrate. Dohn DR, et al. **Anal Biochem** 1982 Mar 1;120(2):379–86

Transformation of dehydroalanine residues in casein to S-beta-(2-pyridylethyl)-L-cysteine side chains. Masri MS, et al. **Biochem Biophys Res Commun** 1982 Jan 15; 104(1):321–5

Michael addition of thiols with 4-methyleneglutamic acid: preparation of adducts, their properties and presence in peanuts. Powell GK, et al. **Biochem Biophys Res Commun** 1982 Apr 29;105(4):1361–7

3-mercaptolactate cysteine disulfiduria: biochemical studies on affected and unaffected members of a family. Hannestad U, et al. **Biochem Med** 1981 Aug;26(1):106–14

Enzymatic synthesis of selenocysteine in rat liver. Esaki N, et al. **Biochemistry** 1981 Jul 21;20(15):4492–6

Selenocysteine-containing proteins from rat and monkey plasma. Motsenbocker MA, et al. **Biochim Biophys Acta** 1982 Jun 4;704(2):253–60

Evidence for cysteine sulfinate as a neurotransmitter. Recasens M, et al. **Brain Res** 1982 May 6;239(1):153–73

Pharmacokinetic behavior of S-carboxymethylcysteine-Lys in patients with chronic bronchitis. Braga PC, et al. **Clin Ther** 1982;4(6):480–8

Enterohepatic circulation of the mercapturic acid and cysteine conjugates of propachlor. Bakke JE, et al. **Drug Metab Dispos** 1981 Nov-Dec;9(6):525–8

Metabolism of acrylamide into urinary mercapturic acid and cysteine conjugates in rats. Dixit R, et al. **Drug Metab Dispos** 1982 Mar-Apr;10(2):196–7

The metabolism and elimination of S-carboxymethyl-L-cysteine in man. Waring RH, et al. **Drug Metab Dispos** 1982 Jan-Feb;10(1):61–2

Variation of antimetabolite sensitivity with different carbon sources in Bacillus subtilis. Chaudhuri A, et al. **Folia Microbiol (Praha)** 1982;27(2):73–5

S-Carboxymethylcysteine (S-CMC) in bronchography technique. Nigam BK. **Indian J Chest Dis Allied Sci** 1981 Apr-Jun;23(2):81–4

SA96: an immunopharmacological profile in vitro. Yamamoto I, et al. **Int J Tissue React** 1982;4(1):1–8

Roles of cysteine sulfinate and transaminase on in vitro dark reversion of urocanase in Pseudomonas putida. Hug DH, et al. **J Bacteriol** 1982 Aug;151(2):813–8

On the chemistry and biochemistry of 3-mercaptopyruvic acid, the alpha-keto acid analog of cysteine. Cooper AJ, et al. **J Biol Chem** 1982 Jan 25;257(2):816–26

A selenium-containing hydrogenase from Methanococcus vannielii. Identification of the selenium moiety as a selenocysteine residue. Yamazaki S. **J Biol Chem** 1982 Jul 25;257(14):7926–9

Genetic and biochemical properties of thialysine-resistant mutants of Saccharomyces cerevisiae. Zwolshen JH, et al. **J Gen Microbiol** 1981 Feb;122(Pt 2):281–7

Evidence for selenocysteine in ovine tissue organelles. Beilstein MA, et al. **J Inorg Biochem** 1981 Dec;15(4):339–47

S-carboxymethylcysteine in otitis media with effusion. (A double-blind study). Khan JA, et al. **J Laryngol Otol** 1981 Oct;95(10):995–1001

Prodrugs of L-cysteine as liver-protective agents. 2(RS)-Methylthiazolidine-4(R)-carboxylic acid, a latent cysteine. Nagasawa HT, et al. **J Med Chem** 1982 May; 25(5):489–91

Cysteine sulfinic acid in the central nervous system: antagonistic effect of taurine on cysteine sulfinic acid-stimulated formation of cyclic AMP in guinea pig hippocampal slices. Baba A, et al. **J Neurochem** 1982 May; 38(5):1280–5

Cysteine sulfinic acid in the central nervous system: specific binding of [35S]cysteic acid to cortical synaptic membranes--an investigation of possible binding sites for cysteine sulfinic acid. Iwata H, et al. **J Neurochem** 1982 May;38(5):1275–9

Cysteine sulfinic acid in the central nervous system: uptake and release of cysteine sulfinic acid by a rat brain preparation. Iwata H, et al. **J Neurochem** 1982 May; 38(5):1268–74

Thialysine utilization by E. coli and its effects on cell growth. Di Girolamo M, et al. **Mol Cell Biochem** 1982 Jul 7; 46(1):43–8

Reduction of beta-thiopyruvic acid by lactate dehydrogenase: a kinetic study. Pensa B, et al. **Mol Cell Biochem** 1982 Apr 30;44(2):107–12

Nephrotoxicity of halogenated vinyl cysteine compounds. Gandolfi AJ, et al. **Res Commun Chem Pathol Pharmacol** 1981 Aug; 33(2):249–61

[Influence of cysteine on bioavailability of theophylline (author's transl)] Albin H, et al. **Therapie** 1981 Sep-Oct; 36(5):525–31 (Eng. Abstr.) **(Fre)**

[Clinical trial of LA-1225 shampoo and lotion in seborrheic dermatitis and of LA-1275 shampoo and lotion in pityriasis sicca] Cerdán M, et al. **Actas Dermosifiliogr** 1981 Sep-Oct; 72(9–10):505–10 **(Spa)**

ANALYSIS

Use of N-(7-dimethylamino-4-methylcoumarinyl)maleinimide for the detection of cysteine-containing peptides in peptide maps. Klasen EC. **Anal Biochem** 1982 Apr;121(2):230–3

A method for the measurement of sulfur-34 abundance in bound cysteine and methionine. White RH. **Anal Biochem** 1981 Jul 1;114(2):349–54

Amino acid sequences containing cysteine or cystine residues in ovalbumin from eggs of the quail Coturnix coturnix japonica. Webster DM, et al. **Aust J Biol Sci** 1981; 34(5–6):505–14

Properties of cysteine-containing phosphoproteins from human submandibular-sublingual saliva. Shomers JP, et al. **J Dent Res** 1982 Feb;61(2):397–9

Characterization of cysteine-containing phosphoproteins from human submandibular-sublingual saliva. Shomers JP, et al. **J Dent Res** 1982 Jun;61(6):764–7

BIOSYNTHESIS

Use of gene fusions to study expression of cysB, the regulatory gene of the cysteine regulon. Jagura-Burdzy G, et al. **J Bacteriol** 1981 Sep;147(3):744–51

BLOOD

Plasma cyst(e)ine in homocyst(e)inemia. Malloy MH, et al. **Am J Clin Nutr** 1981 Dec;34(12):2619–21

A method for measurement of free and bound plasma cyst(e)ine. Malloy MH, et al. **Anal Biochem** 1981 May 15; 113(2):407–15

The oxidation of L- and D-cysteine to inorganic sulfate and taurine in the rat. Krijgsheld KR, et al. **Biochim Biophys Acta** 1981 Sep 18;677(1):7–12

Accumulation of homocyst(e)ine in vitamin B-6 deficiency: a model for the study of cystathionine beta-synthase deficiency. Smolin LA, et al. **J Nutr** 1982 Jul; 112(7):1264–72

ISOLATION & PURIFICATION

Bromopyruvate as an affinity label for Baker's yeast flavocytochrome b2. Identification of an active-site cysteine and characterization of some cysteine peptides. Alliel PM, et al. **Eur J Biochem** 1982 Mar 1;122(3):553–8

The isolation of a family of cysteine-containing phosphoproteins from human submandibular-sublingual saliva. Shomers JP, et al. **J Dent Res** 1982 Aug;61(8):973–7

METABOLISM

A C-S bond cleavage enzyme of cysteine conjugates in intestinal microorganisms. Suzuki S, et al. **Biochem Pharmacol** 1982 Jun 1;31(11):2137–40

Formation of a polymethylene bis(disulfide) intersubunit cross-link between cysteine-281 residues in rabbit muscle glyceraldehyde-3-phosphate dehydrogenase using octamethylene bis(methane[35S]thiosulfonate). Bloxham DP, et al. **Biochemistry** 1982 Apr 13;21(8):1807–12

Chloroplast glyceraldehyde-3-phosphate dehydrogenase (NADP+). Reactivity of essential cysteine residues in holo- and apoenzyme. Ferri G, et al. **Biochim Biophys Acta** 1981 Aug 13;660(2):325–32

Degradation of linoleic acid hydroperoxides by a cysteine . FeCl3 catalyst as a model for similar biochemical reactions. I. Study of oxygen requirement, catalyst and effect of pH. Gardner HW, et al. **Biochim Biophys Acta** 1981 Jul 24;665(1):100–12

Degradation of linoleic acid hydroperoxides by a cysteine . FeCl3 catalyst as a model for similar biochemical reactions. III. A novel product, trans-12,13-epoxy-11-oxo-trans-9-octadecenoic acid, from 13-L (S)-hydroperoxy-cis-9,trans-11-octadecadienoic acid. Gardner HW, et al. **Biochim Biophys Acta** 1981 Jul 24; 665(1):126–33

Degradation of linoleic acid hydroperoxides by a cysteine . FeCl3 catalyst as a model for similar biochemical reactions. II. Specificity in formation of fatty acid epoxides. Gardner HW, et al. **Biochim Biophys Acta** 1981 Jul 24; 665(1):113–24

Cytochrome c reduction by cysteine plus copper: a pseudosubstrate system for cytochrome c oxidase. Hill BC, et al. **Can J Biochem** 1980 Jun;58(6):499–503

Differential cyst(e)ine requirements in human T and B lymphoblastoid cell lines. Kamatani N, et al. **Int Arch Allergy Appl Immunol** 1982;68(1):84–9

Relative contributions of sulfur atoms of dietary cysteine and methionine to rat liver glutathione and proteins. Tateishi N, et al. **J Biochem (Tokyo)** 1981 Dec;90(6):1603–10

Photochemical cross-linking between rabbit skeletal troponin and alpha-tropomyosin. Attachment of the photoaffinity probe N-(4-azidobenzoyl-[2-3H]glycyl)-S-(2-thiopyridyl)-cyst to cysteine 190 of alpha-tropomyosin. Chong PC, et al. **J Biol Chem** 1982 Aug 10;257(15):9152–60

The transport of alanine, serine, and cysteine in cultured human fibroblasts. Franchi-Gazzola R, et al. **J Biol Chem** 1982 Aug 25;257(16):9582–7

Biotransformation of 16 alpha-hydroxyprogesterone by Eubacterium sp. 144: non-enzymatic addition of L-cysteine to delta 16-progesterone. Glass TL, et al. **J Lipid Res** 1982 Feb;23(2):352–6

Cysteine and cystine transport at the blood-brain barrier. Wade LA, et al. **J Neurochem** 1981 Sep;37(3):730–4

[Penetration of cysteine into the rabbit's eye (author's transl)] Rozsíval P, et al. **Cesk Oftalmol** 1981 Sep;37(5):324–7 (Eng. Abstr.) **(Cze)**

PHARMACODYNAMICS

Morphogenetic effect of L-cysteine on dermatophytes. Nguyen NT, et al. **Acta Microbiol Acad Sci Hung** 1981; 28(4):347–57

Renal handling of zinc: effect of cysteine infusion. Abu-Hamdan DK, et al. **Am J Physiol** 1981 Nov; 241(5):F487–94

Cysteine and growth inhibition of Escherichia coli: derepression of the ilvGEDA operon. Harris CL, et al. **Biochem Biophys Res Commun** 1981 Aug 31;101(4):1145–51

Specificity of the reaction of rat liver L-serine dehydratase with aminothiols. Pagani R, et al. **Biosci Rep** 1981 Dec; 1(12):955–62

Cytochrome c reduction by cysteine plus copper: a pseudosubstrate system for cytochrome c oxidase. Hill BC, et al. **Can J Biochem** 1980 Jun;58(6):499–503

Effect of cysteine, diethyl maleate, and phenobarbital treatments on the hepatotoxicity of [1H]chloroform. Stevens JL, et al. **Chem Biol Interact** 1981 Oct; 37(1–2):207–17

The action of three anticlastogens on the induction of sister chromatid exchange by trenimon and 8-hydroxyquinoline sulfate in human lymphocyte cultures. Gebhart E, et al. **Environ Mutagen** 1980;2(2):191–200

Cysteine-induced effect on amino acids in neonatal rat brain. Misra CH. **Experientia** 1982 Mar 15;38(3):383–4

The effect of L-cysteine on presoaked barley seeds treated with methyl methanesulfonate. Rubluo A. **Experientia** 1982 Mar 15;38(3):326–7

Acute effect of cadmium on hepatic drug metabolizing enzymes in adult rats & role of cysteine treatment. Soni MG, et al. **Indian J Exp Biol** 1981 Dec;19(12):1169–71

Mechanism of growth stimulation of L1210 cells by 2-mercaptoethanol in vitro. Role of the mixed disulfide of 2-mercaptoethanol and cysteine. Ishii T, et al. **J Biol Chem** 1981 Dec 10;256(23):12387–92

Cysteine-independent and cysteine-requiring yeast-strains of Histoplasma capsulatum. Jacobson ES, et al. **Mycopathologia** 1982 Feb 19;77(2):69–73

Roxarsone toxicity in the chick as influenced by dietary cysteine and copper and by experimental infection with Eimeria acervulina. Czarnecki GL, et al. **Poult Sci** 1982 Mar;61(3):516–23

Ultraviolet-induced sister chromatid exchanges in V-79 cells with normal and BrdUrd-substituted DNA and the influence of intercalating substances and cysteine. Speit G, et al. **Radiat Res** 1982 Jun;90(3):538–46

Modifications of chronic hepatotoxicity of pyrrolizidine (Senecio) alkaloids by butylated hydroxyanisole and cysteine. Miranda CL, et al. **Toxicol Lett** 1982 Feb; 10(2–3):177–82

PHYSIOLOGY

Role of cysteine in regulating morphogenesis and mitochondrial activity in the dimorphic fungus Histoplasma capsulatum. Maresca B, et al. **Proc Natl Acad Sci USA** 1981 Jul;78(7):4596–600

THERAPEUTIC USE

[Protective effect of L-cysteine on the leukopenic syndrome due to radiotherapy (author's transl)] Jingu K, et al. **Nippon Gan Chiryo Gakkai Shi** 1981 Aug 20;16(4):681–93 (Eng. Abstr.) **(Jpn)**

TOXICITY

A morphological study of the acute toxicity of L-cysteine on the retina of young rats. Karlsen RL, et al. **Exp Eye Res** 1982 Jan;34(1):65–9

CYSTEINE SYNTHASE see under **LYASES**

CYSTEINYLDOPA see under **DOPA**

CYSTIC DUCT

Management of retained cystic duct stones. Jennings SA, et al. **Br J Surg** 1982 Feb;69(2):91–2

Transcystic duct treatment of common bile duct stones. Amberg JR, et al. **Gastrointest Radiol** 1981;6(4):361–2
Mirizzi syndrome and biliobiliary fistulas: roentgenologic appearance. Cornud F, et al. **Gastrointest Radiol** 1981; 6(3):265–8
Spontaneous rupture of the cystic duct during pregnancy. Hendrickx L, et al. **Neth J Surg** 1981 Dec;33(5):247–9
[Gastric heterotopy of the cystic duct. Apropos of a case] Letoublon C, et al. **Med Chir Dig** 1981;10(6):527–8 **(Fre)**
[Mirizzi syndrome (author's transl)] Marosi L, et al. **Dtsch Med Wochenschr** 1982 Aug 6;107(31–32):1195–7 (Eng. Abstr.) **(Ger)**
[Diagnosis and differential diagnosis of the Mirizzi syndrome (author's transl)] Kauffmann GW, et al. **MMW** 1982 Jul 9;124(27):647–50 **(Ger)**
[Calculosis of the residual cystic stump; clinical case] Turco F, et al. **Chir Ital** 1982 Feb;34(1):107–16 **(Ita)**

ABNORMALITIES

Agenesis of the gallbladder: case report and review of the literature. Whitaker AJ. **J SC Med Assoc** 1981 Oct; 77(10):503–4

PATHOLOGY

The cystic duct stump and the postcholecystectomy syndrome. An analysis of 54 patients subjected to ERCP. Äärimaa M, et al. **Ann Chir Gynaecol** 1981;70(6):297–303

PHYSIOPATHOLOGY

Stasis before gallstone formation: altered gallbladder compliance or cystic duct resistance? Pitt HA, et al. **Am J Surg** 1982 Jan;143(1):144–9

RADIOGRAPHY

Distal bile duct 'septum'. A computed tomographic finding with a dilated retained cystic duct remnant. Goldberg RP. **Radiology** 1982 Apr;143(1):142

RADIONUCLIDE IMAGING

Technetium-99m-HIDA visualization of an obstructed gallbladder via an accessory hepatic duct. Reimer DE, et al. **AJR** 1981 Sep;137(3):610–1
Ultrasound measurement of contraction response of the gallbladder: comparison with the radionuclide test for cystic duct patency. Okulski TA, et al. **Clin Nucl Med** 1982 Mar;7(3):117–21

SURGERY

Nonoperative removal of cystic duct stones after cholecystostomy. Last M, et al. **Am J Gastroenterol** 1982 May;77(5):294–6
[The incidence of pathology of the residual cystic stump in postcholecystectomy pain syndromes] Ferulano GP, et al. **Minerva Chir** 1982 Mar 15;37(5):473–6 **(Ita)**
[Pathology and clinical aspects of the residual stump of the cystic duct] Palagiano V. **Minerva Chir** 1982 Feb 28; 37(4):305–10 **(Ita)**

CYSTIC FIBROSIS

see related
SWEATING

Continuous thoracic epidural anesthesia for biliary tract surgery and for postoperative pain relief in a patient with cystic fibrosis. Kang SB. **Anesth Analg (Cleve)** 1982 Sep; 61(9):793–5

BLOOD

Erythrocyte indices in cystic fibrosis. Warwick WJ, et al. **Am J Med Technol** 1982 Jun;48(6):539–42
Oral theophylline disposition in cystic fibrosis. Georgitis JW, et al. **Ann Allergy** 1982 Mar;48(3):175–7
Vitamin status in treated patients with cystic fibrosis. Congden PJ, et al. **Arch Dis Child** 1981 Sep;56(9):708–14
The optical properties of alpha 2-macroglobulin from normal and from cystic fibrosis plasma. Richman JB, et al. **Can J Biochem** 1981 Jul;59(7):519–23
Comparison of the polypeptide composition of cystic fibrosis plasma with normal plasma by high resolution electrophoresis. Bury AF, et al. **Clin Chim Acta** 1982 Jan 5;118(1):45–55
A study of isoelectric focusing in polyacrylamide gels of serum proteins as a cystic fibrosis screening test. Hallinan FM, et al. **Clin Chim Acta** 1981 Nov 25;117(1):103–10
Plasma lactoferrin levels in pregnancy and cystic fibrosis. Sykes JA, et al. **Clin Chim Acta** 1982 Jul 15;122(3):385–93
Effect of cystic fibrosis and non-cystic fibrosis plasma on the movement and retention of 45Ca2+ and 35SO42- in guinea-pig stomach and small intestine. Morrissey SM, et al. **Gut** 1981 Oct;22(10):788–92
Serum concentrations of vitamin D-binding protein (group-specific component) in cystic fibrosis. Coppenhaver D, et al. **Hum Genet** 1981;57(4):399–403
Scotopic thresholds and plasma retinol in cystic fibrosis. Fulton AB, et al. **Invest Ophthalmol Vis Sci** 1982 Sep; 23(3):364–70
Selenium and vitamin E status in cystic fibrosis. Castillo R, et al. **J Pediatr** 1981 Oct;99(4):583–5
Vitamin E status in cystic fibrosis [letter] Sokol RJ. **J Pediatr** 1982 Mar;100(3):512–3
Oral correction of essential fatty acid deficiency in cystic fibrosis. Landon C, et al. **JPEN** 1981 Nov-Dec;5(6):501–4
A purified serum glycopeptide from controls and cystic fibrosis patients. I. Comparison of their mucociliary activity on rabbit tracheal explants. Blitzer MG, et al. **Pediatr Res** 1982 Mar;16(3):203–8
Biological activities of cystic fibrosis serum. IV. Stimulation of the calcium mediated K+ efflux from rat submandibular gland fragments. Bogart BI, et al. **Pediatr Res** 1982 Mar; 16(3):223–6
Cystic fibrosis. I. Fractionation of the mucociliary inhibitor from plasma. Carson SD, et al. **Pediatr Res** 1982 Jan; 16(1):13–20
Identification of a major heparin-precipitable protein in human serum and its relationship to cystic fibrosis. Margolies R, et al. **Pediatr Res** 1982 Mar;16(3):181–6
Comparison of the structure and aspects of the proteinase-binding properties of cystic fibrotic alpha-macroglobulin with normal alpha 2-macroglobulin. Roberts RC, et al. **Pediatr Res** 1982 Jun;16(6):416–23
Serum complement (C'3a and C'5)-induced inhibition of rabbit tracheal cilia. Kennedy JR, et al. **Prog Clin Biol Res** 1982;80:71–5
On cystic fibrosis factor (CFF) and its proposed influence on mucociliary function. Tegner H, et al. **Rhinology** 1981 Sep;19(3):115–20
Serum immunoreactive trypsin in cystic fibrosis. Dandona P, et al. **Thorax** 1981 Jan;36(1):60–2
[Factors inhibiting ciliary movement in the serum of patients with nasal polyps] Stolbová D, et al. **Cesk Otolaryngol** 1982 Apr;31(2):72–8 (Eng. Abstr) **(Cze)**
[Modification of the method for detecting serum ciliary-inhibiting factors in patients with mucoviscidosis and their parents] Stolbová D, et al. **Cesk Pediatr** 1981 Dec;36(12):731–4 (Eng. Abstr.) **(Cze)**
[Alpha-1-antitrypsin and cystic fibrosis (author's transl)] Pecau Y, et al. **Sem Hop Paris** 1981 Sep 8–15; 57(29–32):1306–9 (Eng. Abstr.) **(Fre)**
[Pharmacokinetic of antibiotics in patients with mucoviscidosis (author's transl)] Guggenbichler JP, et al. **Padiatr Padol** 1981;16(4):393–402 (Eng. Abstr.) **(Ger)**

CLASSIFICATION

Commentary: the clinical forms of cystic fibrosis [editorial] Barbero GJ. **J Pediatr** 1982 Jun;100(6):914–5

COMPLICATIONS

Respiratory infections in cystic fibrosis patients caused by virus, chlamydia and mycoplasma—possible synergism with Pseudomonas aeruginosa. Petersen NT, et al. **Acta Paediatr Scand** 1981 Sep;70(5):623–8
Quantitative studies on immunologically specific and non-specific absorption of Pseudomonas aeruginosa antibodies in serum from cystic fibrosis patients. Høiby N, et al. **Acta Pathol Microbiol Scand [C]** 1981 Jun; 89(3):185–92
Fatal disseminated aspergillosis in a previously well young adult with cystic fibrosis. Guidotti TL, et al. **Am J Med Sci** 1982 May-Jun;283(3):157–60
Thallium myocardial perfusion scans for the assessment of right ventricular hypertrophy in patients with cystic fibrosis. A comparison with other noninvasive techniques. Newth CJ, et al. **Am Rev Respir Dis** 1981 Oct;124(4):463–8
Pseudomonas infection, allergy, and cystic fibrosis. Pitcher-Wilmott RW, et al. **Arch Dis Child** 1982 Aug; 57(8):582–6
The treatment of malabsorption in cystic fibrosis with pancreatic extracts and inhibition of gastric acidity by antacids and cimetidine. Mitchell EA, et al. **Aust Paediatr J** 1981 Jun;17(2):89–92
Failure of oral N-acetylcysteine to improve the malabsorption of cystic fibrosis. Mitchell EA, et al. **Aust Paediatr J** 1981 Sep;17(3):207–8
Multiple cerebral abscesses in an adult with cystic fibrosis. Ayres J, et al. **Br J Dis Chest** 1982 Jan;76(1):99–101
Pulmonary resection in cystic fibrosis: a case report. Gelfand ET, et al. **Can J Surg** 1981 Sep;24(5):458–60
Atopy and cystic fibrosis. A study of CF sibling pairs and their families. Reen DJ, et al. **Clin Allergy** 1981 Nov; 11(6):571–7
Pseudomonas in cystic fibrosis sylph or sycophant? Fick RB Jr. **Clin Chest Med** 1981 Jan;2(1):91–102 (44 ref.)
Hypoelectrolytemia as a presentation and complication of cystic fibrosis. Ruddy R, et al. **Clin Pediatr (Phila)** 1982 Jun;21(6):367–9
Chemotherapy against Pseudomonas aeruginosa in cystic fibrosis. A study of carbenicillin, azlocillin or piperacillin in combination with tobramycin. Møller NE, et al. **Eur J Respir Dis** 1982 Mar;63(2):130–9
Carcinoma of extrahepatic biliary system in an adult with cystic fibrosis. Abdul-Karim FW, et al. **Gastroenterology** 1982 Apr;82(4):758–62
Gastrointestinal manifestations of cystic fibrosis: a review. Park RW, et al. **Gastroenterology** 1981 Dec;81(6):1143–61 (274 ref.)
Treatment and prognosis of rectal prolapse in cystic fibrosis. Stern RC, et al. **Gastroenterology** 1982 Apr;82(4):707–10
Cardiomyopathy in cystic fibrosis: iymphoedema of the heart with focal myocardial fibrosis. Zimmermann A, et al. **Helv Paediatr Acta** 1982 May;37(2):183–92
Calcific pericarditis and cystic fibrosis in a 34 year old male. O'Grady JG, et al. **Ir J Med Sci** 1981 Jul;150(7):220–2
An unusual case of XXY Klinefelter's syndrome associated with cystic fibrosis. Beer SI, et al. **Isr J Med Sci** 1981 Dec;17(12):1181–2
Association of allergic bronchopulmonary aspergillosis and cystic fibrosis. Voss MJ, et al. **J Allergy Clin Immunol** 1982 Jun;69(6):539–46
Complications of gastroesophageal reflux in patients with cystic fibrosis. Bendig DW, et al. **J Pediatr** 1982 Apr; 100(4):536–40
Pneumothorax in cystic fibrosis: management and outcome. McLaughlin FJ, et al. **J Pediatr** 1982 Jun;100(6):863–9
Clindamycin therapy of staphylococcal pulmonary infections in patients with cystic fibrosis. Shapera RM, et al. **J Pediatr** 1981 Oct;99(4):647–50
Communicability of Pseudomonas aeruginosa in a cystic fibrosis summer camp. Speert DP, et al. **J Pediatr** 1982 Aug;101(2):227–8
Another reason to combat infections in cystic fibrosis [news] Gunby P. **JAMA** 1982 Sep 10;248(10):1159
Meconium ileus with cystic fibrosis. MacManus LE, et al. **JAOA** 1982 May;81(9):616–7
Mosaic Klinefelter syndrome in an adult with cystic fibrosis. Shwachman H, et al. **Johns Hopkins Med J** 1982 Mar; 150(3):120–2
Obstructive azoospermia and respiratory disease [letter] **Lancet** 1982 Jul 17;2(8290):152
Ceftazidime in cystic fibrosis [letter] Gordts B, et al. **Lancet** 1982 Jun 12;1(8285):1355
Comparative study of varying regimens to improve steatorrhoea and creatorrhoea in cystic fibrosis: Effectiveness of an enteric-coated preparation with and without antacids and cimetidine. Gow R, et al. **Lancet** 1981 Nov 14;2(8255):1071–4
Aerosol carbenicillin and gentamicin treatment of Pseudomonas aeruginosa infection in patients with cystic fibrosis. Hodson ME, et al. **Lancet** 1981 Nov 21; 2(8256):1137–9
Meconium peritonitis, intraperitoneal calcifications and cystic fibrosis. Finkel LI, et al. **Pediatr Radiol** 1982;12(2):92–3
Plasma immunoreactive pancreatic cationic trypsinogen in cystic fibrosis: a sensitive indicator of exocrine pancreatic dysfunction. Durie PR, et al. **Pediatr Res** 1981 Oct; 15(10):1351–5
Glucose 6-phosphate dehydrogenase deficiency and cystic fibrosis. Congdon PJ, et al. **Postgrad Med J** 1981 Jul; 57(669):453–4
Gallbladder anomalies and cystic fibrosis. Isdale JM, et al. **S Afr Med J** 1982 Jul 31;62(6):160–1
Azlocillin and gentamicin in respiratory tract infections with Pseudomonas aeruginosa in patients with cystic fibrosis. Malmborg AS, et al. **Scand J Infect Dis [Suppl]** 1981; 29:64–9
Azlocillin with and without an aminoglycoside against respiratory tract infections in children with cystic fibrosis. Michalsen H, et al. **Scand J Infect Dis [Suppl]** 1981;29:92–7
Antibiotic treatment of chronic Pseudomonas aeruginosa infection in cystic fibrosis patients. Møller NE, et al. **Scand J Infect Dis [Suppl]** 1981;29:87–91
[Myocardial fibrosis in cystic fibrosis. A new case report (author's transl)] Boivin MJ, et al. **Arch Fr Pediatr** 1982 Jan;39(1):27–9 (Eng. Abstr.) **(Fre)**
[High level of immunoreactive circulating trypsin in primary myocardiopathy in cystic fibrosis (letter)] Guesnu M, et al. **Arch Fr Pediatr** 1982 Feb;39(2):127–8 **(Fre)**
[Pneumothorax as complication of cystic fibrosis of the pancreas] Kistler I, et al. **Helv Paediatr Acta** 1981; 36(6):495–508 (Eng. Abstr.) **(Ger)**
[Surgical management of pneumothorax in cystic fibrosis (author's transl)] Kehrer B, et al. **Praxis** 1982 Apr 6; 71(14):589–602 (Eng. Abstr.) **(Ger)**
[Spontaneous pneumothorax in cystic fibrosis (author's transl)] Meyer H. **Praxis** 1982 Mar 23;71(12):505–10 (Eng. Abstr.) **(Ger)**
[Nutrition problems in cystic fibrosis] Ansaldi N. **Minerva Pediatr** 1981 Jul 31;33(14):735–7 (30 ref.) **(Ita)**
[Echocardiographic study of cystic fibrosis] Ferrando A, et al. **Minerva Pediatr** 1981 Jul 31;33(14):703–12 (Eng. Abstr.) **(Ita)**
[Pathomorphosis of cystic fibrosis. Current medical and surgical problems in the improved prognosis of cystic fibrosis] Romano C. **Minerva Pediatr** 1981 Jul 31; 33(14):677–702 (68 ref.) (Eng. Abstr.) **(Ita)**
[Clinical diagnosis of myocardial fibrosis in cystic fibrosis (echocardiography) (author's transl)] Repetto T, et al. **Pediatr Med Chir** 1981 Nov-Dec;3(6):533–4 **(Ita)**
[Therapy of digestive insufficiency in cystic fibrosis] Auricchio S. **Pediatria (Napoli)** 1981 Sep 30;89(3):305–14 (34 ref.) **(Ita)**
[Woakes syndrome associated with a sinobronchial syndrome in a patient with a family history of mucoviscidosis] Grigoriu V, et al. **Rev Chir [Otorinolaringol]** 1981 Apr-Jun; 26(2):147–50 (Eng. Abstr.) **(Rum)**
[Echocardiography and electrocardiography in evaluating myocardial status in children with mucoviscidosis] Oskolkova MK, et al. **Pediatriia** 1982 Mar;(3):44–7 (Eng. Abstr.) **(Rus)**
[Pseudomonas aeruginosa infections in mucoviscidosis] Shabalova LA, et al. **Pediatriia** 1982 Jan;(1):28–31 (Eng. Abstr.) **(Rus)**

[Chronic diarrhea] García Aranda JA, et al. **Bol Med Hosp Infant Mex** 1982 Feb;39(2):147–52 **(Spa)**
[Necrotizing enteritis and mucoviscidosis] Rodríguez RS, et al. **Bol Med Hosp Infant Mex** 1982 Mar;39(3):221–31 **(Spa)**

DIAGNOSIS

Cystic fibrosis mistaken for gastroesophageal reflux [letter] Sagoll RJ. **Am J Dis Child** 1982 Mar;136(3):279
Case study: cystic fibrosis. Bowling SA. **Am J Med Technol** 1982 Jan;48(1):25–7
Prenatal detection of cystic fibrosis. Nadler HL, et al. **Am J Obstet Gynecol** 1981 Dec 15;141(8):885–9
Objective assessment of chest configuration in children with asthma or cystic fibrosis. Sly RM, et al. **Ann Allergy** 1981 Oct;47(4):278–87
Screening for cystic fibrosis by died blood spot trypsin assay. Heeley AF, et al. **Arch Dis Child** 1982 Jan;57(1):18–21
Cystic fibrosis in adulthood. Kollberg H. **Eur J Respir Dis [Suppl]** 1982;118:101–9
Secretin pancreozymin stimulation test and confirmation of the diagnosis of cystic fibrosis. Wong LT, et al. **Gut** 1982 Sep;23(9):744–50
Three puzzling wheezes that weren't asthma. Case presentations. Kolski G, et al. **Hosp Pract** 1981 Nov; 16(11):153, 156, 161 passim
Cystic fibrosis : clinical presentation and pitfalls in diagnosis. Vaze D. **Indian J Pediatr** 1981 May–Jun;48(392):293–5
Comparison of the diagnostic value of serum pancreatic isoamylase and immunoreactive trypsin measurement in patients with cystic fibrosis. Brown RC, et al. **J Clin Pathol** 1982 May;35(5):547–9
Satisfactory screening for cystic fibrosis with the BM meconium procedure. Evans RT, et al. **J Clin Pathol** 1981 Aug;34(8):911–3
Assay of serum immunoreactive trypsin in dried blood spots and the early detection of cystic fibrosis. Ryley HC, et al. **J Clin Pathol** 1981 Aug;34(8):906–10
Appendicitis as the presenting complaint in cystic fibrosis. Oestreich AE, et al. **J Pediatr Surg** 1982 Apr;17(2):191–4
Diagnostic delay in Duchenne s muscular dystrophy and cystic fibrosis [letter] Rosenstein BJ, et al. **JAMA** 1982 Jun 25;247(24):3313
Cystic fibrosis: diagnostic considerations. Rosenstein BJ, et al. **Johns Hopkins Med J** 1982 Mar;150(3):113–20 (60 ref.)
Amniotic fluid arginine esterases as markers for cystic fibrosis [letter] **Lancet** 1982 Mar 13;1(8272):619–20
4–methylumbelliferylguanidinobenzoate reactive plasma 'protease' in cystic fibrosis is albumin [letter] Branchini BR, et al. **Lancet** 1982 Mar 13;1(8272):618–9
Association of spinocerebellar disorders with cystic fibrosis or chronic childhood cholestasis and very low serum vitamin E. Elias E, et al. **Lancet** 1981 Dec 12; 2(8259):1319–21
Prenatal detection of cystic fibrosis [letter] Nadler HL, et al. **Lancet** 1981 Nov 28;2(8257):1226–7
Importance of pathological examination of products of conception which are delivered after prenatal screening procedures [letter] Punnett H, et al. **Lancet** 1982 Apr 3; 1(8275):798
False–negative results with methylumbelliferylguanidinobenzoate reactive proteases in cystic fibrosis pregnancies [letter] Schwartz M, et al. **Lancet** 1981 Nov 28;2(8257):1226
Obstructive azoospermia as a diagnostic criterion for the cystic fibrosis syndrome. Stern RC, et al. **Lancet** 1982 Jun 19;1(8286):1401–4
Chronic cough in infants younger than three months. Stein MT, et al. **West J Med** 1982 Jun;136(6):505–12
[Mucoviscidosis in the child (apropos of 3 cases)] Fall M, et al. **Dakar Med** 1981;26(4):478–94 **(Fre)**
[Screening for mucoviscidosis by meconium analysis. 7 years' experience] Lambotte C, et al. **J Genet Hum** 1981 Mar; 29(1):85–92 **(Fre)**
[Early detection, heterozygote diagnosis and prenatal diagnosis in cystic fibrosis (mucoviscidosis)] Hein J. **Kinderarztl Prax** 1982 Apr;30(4):186–95 (Eng. Abstr.) **(Ger)**
[Semiquantitative immunologic albumin demonstration and demonstration of lactase activity in meconium screening for cystic fibrosis] Uhlemann M, et al. **Kinderarztl Prax** 1982 Jan;50(1):20–5 (Eng. Abstr.) **(Ger)**
[Simple method of sweat chloride determination (author's transl)] Wieseman HG, et al. **Monatsschr Kinderheilkd** 1982 Feb;130(2):96–7 (Eng. Abstr.) **(Ger)**
[Sonography of the upper abdomen in cystic fibrosis (author's transl)] Tscholakoff D, et al. **ROFO** 1982 Jul;137(1):18–21 (Eng. Abstr.) **(Ger)**
[Aspecific bronchial provocation with distilled water nebulization in children. Initial results] Sacchetti L. **Minerva Pediatr** 1981 Jul 31;33(14):739–40 **(Ita)**
[Case of mucoviscidosis] Kosol GKh. **Vrach Delo** 1981 Mar; (3):19–20 **(Rus)**

DIET THERAPY

Energy intake and nutrition counseling in cystic fibrosis. Hubbard VS, et al. **J Am Diet Assoc** 1982 Feb;80(2):127–31
Dietary management of cystic fibrosis. Beddoes V, et al. **Practitioner** 1981 Apr;225(1354):557–60

DRUG THERAPY

Controlled trial of oral N–acetylcysteine in cystic fibrosis. Mitchell EA, et al. **Aust Paediatr J** 1982 Mar;18(1):40–2
Sputum penetration of fusidic acid in patients with cystic fibrosis. Kraemer R, et al. **Eur J Pediatr** 1982 Mar; 138(2):172–5
Cimetidine and fat malabsorption in children with cystic fibrosis. Schöni M, et al. **Helv Paediatr Acta** 1981 Sep; 36(4):359–69
[Nutrition and substitution therapy in mucoviscidosis] Henker J. **Z Arztl Fortbild (Jena)** 1982 Mar 15;76(6):250–2 **(Ger)**

ENZYMOLOGY

Activity levels and properties of acid alpha–glucosidase from liver and neutral alpha–glucosidase from sera of cystic fibrosis patients and controls. Alhadeff JA, et al. **Clin Chim Acta** 1981 Dec 9;117(2):227–37
alpha–L–Fucosidase in cystic fibrosis: analysis of skin fibroblasts and liver. Harris A, et al. **Clin Chim Acta** 1981 Oct 26;116(2):171–8
alpha–L–Fucosidase in cystic fibrosis. Scanlin TF, et al. **Clin Chim Acta** 1981 Aug 10;114(2–3):269–74
Intracellular retention of lysosomal enzymes in cystic fibrosis. Harris A. **Clin Genet** 1981 Oct;20(4):315–9
Lysosomal enzymes in cystic fibrosis [letter] Hösli P, et al. **Clin Genet** 1981 Oct;20(4):320–2
Effect of pancreozymin and secretin on intraluminal enterokinase, trypsin, and chymotrypsin activities of cystic fibrosis and control children. Lebenthal E, et al. **Digestion** 1982;23(1):39–47
Altered regulation of a proteinase mediated primary secretion processing system as the basic defect in cystic fibrosis. Hallinan P. **Med Hypotheses** 1981 Jun;7(6):793–800
Plasma arginine esterase in cystic fibrosis: kinetics of activation, identification as plasma kallikrein, reaction with alpha 2–macroglobulin and comparison with levels in normal plasma. Bury AF, et al. **Pediatr Res** 1982 Aug; 16(8):613–20
The chronically reserpinized rat as a model for cystic fibrosis: alterations in pancreatic enzyme secretion and storage. McCurdy RE, et al. **Pediatr Res** 1981 Sep;15(9):1308–13
Are measurements of urine enzymes useful during aminoglycoside therapy? Reed MD, et al. **Pediatr Res** 1981 Sep;15(9):1234–9
Serum studies of leucocyte elastase in acute and chronic lung diseases. Stockley RA, et al. **Thorax** 1982 Feb;37(2):114–7
[Enzyme and protein anomalies in mixed mouth and parotid saliva in cystic fibrosis—literature review] Röhr A, et al. **Padiatr Grenzgeb** 1982;21(1):21–8 (38 ref.) (Eng. Abstr.) **(Ger)**
[Serum levels of pancreatic and salivary isoamylases in cystic fibrosis] Antonelli M, et al. **Minerva Pediatr** 1982 Apr 30; 34(8):345–50 (Eng. Abstr.) **(Ita)**

ETIOLOGY

Cystic fibrosis: current trends in research. Scanlin TF. **Clin Chest Med** 1980 Sep;1(3):423–7 (58 ref.)
Cystic fibrosis: a disorder of calcium–stimulated secretion and transepithelial sodium transport? Sorscher EJ, et al. **Lancet** 1982 Feb 13;1(8268):368–70

FAMILIAL & GENETIC

Controlled trial of serum isoelectric focusing in the detection of the cystic fibrosis gene. Brock DJ, et al. **Hum Genet** 1982;60(1):30–1
A transferrin variant in a kindred with cystic fibrosis. Bowman BH, et al. **Hum Hered** 1981;31(4):248–51
Heat inactivation of plasma hydrolases as a means of discriminating between the genotypes in cystic fibrosis: the experience in Israel. Katznelson D, et al. **Isr J Med Sci** 1981 Aug;17(8):687–9
Cystic fibrosis and the month of birth. David TJ, et al. **J Med Genet** 1981 Aug;18(4):299–300
Etiogenesis of the European cystic fibrosis polymorphism: heterozygote advantage against venereal syphilis? Alexander DH. **Med Hypotheses** 1982 Feb;8(2):191–7
[Immunochemical alpha, –antitrypsin determination in the serum of patients with mucoviscidosis, heterozygote marker carriers and controls] Röhr A, et al. **Padiatr Grenzgeb** 1982;21(1):29–32 (Eng. Abstr.) **(Ger)**
[Anti–plasmin (alpha 2–macroglobulin) activity in the plasma of patients with cystic fibrosis, healthy marker carriers and controls] Steinbrück U, et al. **Padiatr Grenzgeb** 1982; 21(1):33–7 (Eng. Abstr.) **(Ger)**
[Hereditary mucoviscidosis] Swiątkowska A, et al. **Pediatr Pol** 1981 Nov–Dec;56(11–12):1361–3 **(Pol)**

HISTORY

[1000 years experience with cystic fibrosis—a collection of evidence] Kollberg H. **Lakartidningen** 1981 Sep 16; 78(38):3258–60 **(Swe)**

IMMUNOLOGY

Immunoreactive trypsin, chymotrypsin, and pancreatic secretory trypsin inhibitor in cord blood from infants with cystic fibrosis. Borgström A, et al. **Acta Paediatr Scand** 1981 Sep;70(5):619–21
Quantitative studies on immunologically specific and non–specific absorption of Pseudomonas aeruginosa antibodies in serum from cystic fibrosis patients. Høiby N, et al. **Acta Pathol Microbiol Scand [C]** 1981 Jun; 89(3):185–92
Local humoral immunity and immune reactions in the lungs of patients with cystic fibrosis. Schiøtz PO. **Acta Pathol Microbiol Scand [Suppl]** 1981;276:1–25
Circulating immune complexes in cystic fibrosis. Manthei U, et al. **Am Rev Respir Dis** 1982 Aug;126(2):253–7
Reproducibility of skin prick reactivity in cystic fibrosis [letter] Henry R, et al. **Arch Dis Child** 1982 Feb;57(2):162
Circulating soluble immune complexes containing pseudomonas antigens in cystic fibrosis. Pitcher–Wilmott RW, et al. **Arch Dis Child** 1982 Aug;57(8):577–81
Circulating immune complexes in patients with cystic fibrosis. Church JA, et al. **Chest** 1981 Oct;80(4):405–11
Autoantibodies in cystic fibrosis. Hodson ME, et al. **Clin Allergy** 1981 Nov;11(6):565–70
Isolation and characterization of circulating immune complexes in cystic fibrosis. Moss RB, et al. **Clin Exp Immunol** 1982 Feb;47(2):301–8
Phagocytosis of Candida albicans by alveolar macrophages from patients with cystic fibrosis. Sordelli DO, et al. **Clin Immunol Immunopathol** 1982 Feb;22(2):153–8
Antibodies to cell envelope proteins of Pseudomonas aeruginosa in cystic fibrosis patients. Fernandes PB, et al. **Infect Immun** 1981 Aug;33(2):527–32
Serum immuno reactive trypsin and pancreatic isoamylase in older patients with cystic fibrosis. Tobin MJ, et al. **Ir J Med Sci** 1981 Nov;150(11):325–8
Cystic fibrosis pseudomonas opsonins. Inhibitory nature in an in vitro phagocytic assay. Fick RB Jr, et al. **J Clin Invest** 1981 Oct;68(4):899–914
Demonstration of neutrophil dysfunction in the serum of patients with cystic fibrosis. Holland EJ, et al. **J Clin Lab Immunol** 1981 Sep;6(2):137–9
Detection by enzyme–linked immunosorbent assays of antibody specific for Pseudomonas proteases and exotoxin A in sera from cystic fibrosis patients. Jagger KS, et al. **J Clin Microbiol** 1982 Jun;15(6):1054–8
Antibodies to gastroenteritis viruses in cystic fibrosis patients. Cukor G, et al. **J Med Virol** 1982;9(3):161–4
Does a primary host defense abnormality involving monocytes–macrophages underlie the pathogenesis of lung disease in cystic fibrosis? Wilson GB, et al. **Med Hypotheses** 1982 May;8(5):527–42
Defective leukocyte locomotion in cystic fibrosis [letter] Zielinski CC, et al. **N Engl J Med** 1982 Feb 25;306(8):486–7

METABOLISM

Effects of cystic fibrosis serum and cell culture medium on the mucociliary activity of the respiratory tract. An in vitro study in rabbits. Tegner H, et al. **Acta Paediatr Scand** 1981 Sep;70(5):629–33
Differences in mucus glycoproteins of small intestine from subjects with and without cystic fibrosis. Wesley AW, et al. **Adv Exp Med Biol** 1982;144:145–6
Identification of leukotrienes in the sputum of patients with cystic fibrosis. Cromwell O, et al. **Adv Prostaglandin Thromboxane Leukotriene Res** 1982; 9:251–7
Altered body composition and muscle protein degradation in nutritionally growth–retarded children with cystic fibrosis. Miller M, et al. **Am J Clin Nutr** 1982 Sep; 36(3):492–9
Granulocyte chemiluminescence in adolescent patients with cystic fibrosis. Graft DF, et al. **Am Rev Respir Dis** 1982 May;125(5):540–3
Increased calmodulin in cultured skin fibroblasts from patients with cystic fibrosis. Gnegy ME, et al. **Biochem Med** 1981 Dec;26(3):294–8
Increased cyclic AMP levels and beta–adrenergic antagonist binding in cystic fibrosis fibroblasts. Markovac J, et al. **Biochem Med** 1981 Dec;26(3):299–306
Glycoproteins in culture medium: a comparison from cystic fibrosis and control skin fibroblasts. Scanlin TF, et al. **Biochemistry** 1982 Feb 2;21(3):491–7
Lipid composition of tracheobronchial secretions from normal individuals and patients with cystic fibrosis. Slomiany A, et al. **Biochim Biophys Acta** 1982 Jan 15; 710(1):106–11
The kinetics of oral cimetidine in children with cystic fibrosis [letter] Bradbear RA, et al. **Br J Clin Pharmacol** 1981 Aug; 12(2):248–9
Protease binding by alpha 2 macroglobulin in cystic fibrosis. Bridges MA, et al. **Clin Chim Acta** 1982 Jan 5;118(1):33–43
Dosing implications of altered gentamicin disposition in patients with cystic fibrosis. Kearns GL, et al. **J Pediatr** 1982 Feb;100(2):312–8
Pharmacokinetics of tobramycin in cystic fibrosis. Kelly HB, et al. **J Pediatr** 1982 Feb;100(2):318–21
Sweat sodium and chloride values [letter] Rosenstein BJ, et al. **J Pediatr** 1982 Jun;100(6):1001–2
The calcium abnormality in cystic fibrosis mitochondria: relative role of respiration and ATP hydrolysis. Feigal RJ, et al. **Life Sci** 1982 Jan 4;30(1):93–8
Intestinal bile acid malabsorption in cystic fibrosis: a primary mucosal cell defect. Fondacaro JD, et al. **Pediatr Res** 1982 Jun;16(6):494–8
Cystic fibrosis fibroblasts respond normally to isoproterenol. Kurz JB, et al. **Pediatr Res** 1981 Oct;15(10):1328–33
Inhibition of Na+ reabsorption in the rat parotid gland by prostaglandin E1 and kallidin: implications for cystic

fibrosis. Martinez JR, et al. **Pediatr Res** 1981 Nov; 15(11):1439–42

Suggestion of an abnormal anion exchange mechanism in sweat glands of cystic fibrosis patients. Quinton PM. **Pediatr Res** 1982 Jul;16(7):533–7

Na and K dependence of the Na/K pump in cystic fibrosis fibroblasts. Reznik VM, et al. **Proc Natl Acad Sci USA** 1981 Nov;78(11):7143–6

Calcium and age in fibroblasts from control subjects and patients with cystic fibrosis. Shapiro BL, et al. **Science** 1982 Apr 23;216(4544):417–9

Analysis of ejaculates from patients with cystic fibrosis. Stegmayr B, et al. **Ultrastruct Pathol** 1981 Oct–Dec; 2(4):357–63

[Sweat electrolyte analysis by pilocarpine iontophoresis] Nielsen OH, et al. **Ugeskr Laeger** 1981 Aug 31; 143(36):2302–6 (Eng. Abstr.) **(Dan)**

[Digestion of fat and protein and its relation to the activity of faecal enzymes in mucoviscidosis infants under substitution therapy with pancreatic enzymes (author's transl)] Tolckmitt W, et al. **Klin Padiatr** 1981 Sep; 193(5):365–9 (Eng. Abstr.) **(Ger)**

[Electrolytes, free water clearance and blood viscosity measurements in subjects with mucoviscidosis. Preliminary findings] De Sanctis C, et al. **Minerva Pediatr** 1982 Feb 15;34(3):99–106 (Eng. Abstr.) **(Ita)**

MICROBIOLOGY

beta-Lactam-resistant Pseudomonas aeruginosa with modified penicillin-binding proteins emerging during cystic fibrosis treatment. Godfrey AJ, et al. **Antimicrob Agents Chemother** 1981 May;19(5):705–11

Activities of new beta-lactam antibiotics against isolates of Pseudomonas aeruginosa from patients with cystic fibrosis. Prince AS, et al. **Antimicrob Agents Chemother** 1981 Oct; 20(4):545–6

Activities of various beta-lactams and aminoglycosides, alone and in combination, against isolates of Pseudomonas aeruginosa from patients with cystic fibrosis. Scribner RK, et al. **Antimicrob Agents Chemother** 1982 Jun;21(6):939–43

Mucoid Pseudomonas aeruginosa in cystic fibrosis. Henry RL, et al. **Aust Paediatr J** 1982 Mar;18(1):43–5

Serum bactericidal effect on Pseudomonas aeruginosa isolates from cystic fibrosis patients. Thomassen MJ, et al. **Infect Immun** 1981 Aug;33(2):512–8

OCCURRENCE

Serum pancreatic lipase as a screening test for cystic fibrosis. Adriaenssens K, et al. **Arch Dis Child** 1982 Jul;57(7):553–5

Cystic fibrosis in Kuwait [letter] Aluwihare AP, et al. **Lancet** 1981 Nov 7;2(8254):1056

Cystic fibrosis in the Middle East [letter] Katznelson D. **Lancet** 1982 Jan 9;1(8263):112

Ascertainment of CF in Minnesota. Warwick WJ, et al. **Minn Med** 1981 Sep;64(9):553–5

[Value of neonatal screening for cystic fibrosis. Evaluation of a neonatal screening program including 34,522 neonates (author's transl)] Cristol P, et al. **Sem Hop Paris** 1982 Feb 25;58(8):499–55 (Eng. Abstr.) **(Fre)**

PATHOLOGY

Ultrastructural studies on cultured fibroblasts from patients with cystic fibrosis. Roomans GM, et al. **J Submicrosc Cytol** 1981 Jul;13(3):445–54

Comparisons of eccrine sweat gland anatomy in genetic, chromosomal, and other diseases, and a suggested procedure for use of sweat gland measurements in differential diagnosis. Shankle WR, et al. **Teratology** 1982 Apr;25(2):239–45

[Pregnancy and delivery in a woman with mucoviscidosis] Limacher F, et al. **Schweiz Med Wochenschr** 1982 Feb 20; 112(8):264–8 (Eng. Abstr.) **(Ger)**

PHYSIOPATHOLOGY

Gastric emptying in infants with cystic fibrosis. Cavell B. **Acta Paediatr Scand** 1981 Sep;70(5):635–8

Plasma aldosterone elevation due to renal sodium wasting in a boy with cystic fibrosis. Haschke F, et al. **Acta Paediatr Scand** 1981 Sep;70(5):763–4

Bronchial reactivity in cystic fibrosis with normal pulmonary function. Van Asperen P, et al. **Am J Dis Child** 1981 Sep; 135(9):815–9

Cystic fibrosis. As they grow older. Jacobs WH, et al. **Am J Gastroenterol** 1981 Oct;76(4):342–6

Quantitative evaluation of the development of tracheal submucosal glands in infants with cystic fibrosis and control infants. Sturgess J, et al. **Am J Pathol** 1982 Mar; 106(3):303–11

Cardiorespiratory adaptations to exercise in cystic fibrosis. Cerny FJ, et al. **Am Rev Respir Dis** 1982 Aug;126(2):217–20

Ventilation, respiratory center output, and contribution of the rib cage and abdominal components to ventilation during CO_2 rebreathing in children with cystic fibrosis. Coates AL, et al. **Am Rev Respir Dis** 1981 Nov; 124(5):526–30

Exercise tolerance and cardiorespiratory adjustments at peak work capacity in cystic fibrosis. Cropp GJ, et al. **Am Rev Respir Dis** 1982 Aug;126(2):211–6

Gas exchange at rest and during exercise in adults with cystic fibrosis. Dantzker DR, et al. **Am Rev Respir Dis** 1982 Apr; 125(4):400–5

Serial changes in pulmonary functions in children hospitalized with cystic fibrosis. Redding GJ, et al. **Am Rev Respir Dis** 1982 Jul;126(1):31–6

Lung function in young adults with cystic fibrosis. Russell NJ, et al. **Br J Dis Chest** 1982 Jan;76(1):35–43

Ventricular interdependence in severe cystic fibrosis. A two-dimensional echocardiographic study. Jacobstein MD, et al. **Chest** 1981 Oct;80(4):399–404

Alteration of tracheal mucociliary transport in airway disease. Effect of pharmacologic agents. Wanner A. **Chest** 1981 Dec;80(6 Suppl):867–70

The reproductive endocrine system in cystic fibrosis: 2. Changes in gonadotrophins and sex steroids following LHRH. Reiter EO, et al. **Clin Endocrinol (Oxf)** 1982 Feb; 16(2):127–37

Cor pulmonale in cystic fibrosis. Fowler RS, et al. **J Electrocardiol** 1981 Oct;14(4):319–24

Improved respiratory prognosis in patients with cystic fibrosis with normal fat absorption. Gaskin K, et al. **J Pediatr** 1982 Jun;100(6):857–62

Pulsus paradoxus in cystic fibrosis. Hen J Jr, et al. **J Pediatr** 1981 Oct;99(4):585–7

Obstructive azoospermia in cystic fibrosis [letter] Bonforte RJ. **Lancet** 1982 Aug 28;2(8296):489

Liver disease in cystic fibrosis [letter] Dominick HC, et al. **Lancet** 1981 Nov 28;2(8257):1229

Renal disturbance in cystic fibrosis [letter] Strandvik B. **Lancet** 1982 Apr 3;1(8275):800

Potential difference across respiratory epithelia in cystic fibrosis [letter] Al-Bazzaz F. **N Engl J Med** 1982 May 6; 306(18):1113–4

Increased bioelectric potential difference across respiratory epithelia in cystic fibrosis. Knowles M, et al. **N Engl J Med** 1981 Dec 17;305(25):1489–95

Evidence for a primary defect of pancreatic HCO_3-secretion in cystic fibrosis. Gaskin KJ, et al. **Pediatr Res** 1982 Jul; 16(7):554–7

Pancreatic function in the reserpinized rabbit—a model for cystic fibrosis. I. Effect of secretin. Shiffman ML, et al. **Pediatr Res** 1982 Feb;16(2):104–8

Distribution of specific ventilation in cystic fibrosis. Jalowayski AA, et al. **Respiration** 1982;43(4):249–57

Nasal mucociliary clearance and ciliary beat frequency in cystic fibrosis compared with sinusitis and bronchiectasis. Rutland J, et al. **Thorax** 1981 Sep;36(9):654–8

[Pathogenesis of cystic fibrosis] Houštěk J, et al. **Cesk Pediatr** 1982 Apr;37(4):206–10 **(Cze)**

[Changes in tracheobronchial mucociliary clearance] Fantoli U. **Recenti Prog Med** 1981 Jan;70(1):114–5 (7 ref.) **(Ita)**

[Characteristics of liver damage in children with mucoviscidosis] Rachinskii SV, et al. **Pediatrila** 1981 Nov; (11):46–9 (Eng. Abstr.) **(Rus)**

PREVENTION & CONTROL

Why we should not screen our newborns for cystic fibrosis. Gitzelmann R. **Helv Paediatr Acta** 1981;36(6):493–4

[Neonatal screening program for cystic fibrosis of the pancreas] Rigillo N, et al. **Pediatria (Napoli)** 1981 Dec 31; 89(4):747–60 (Eng. Abstr.) **(Ita)**

[Determination of the potassium and sodium content of nail plates by flame photometry as a screening test for mucoviscidosis] Antonov MP, et al. **Lab Delo** 1981; (9):532–4 **(Rus)**

PSYCHOLOGY

Sexual function in cystic fibrosis. Relationship to overall health status and pulmonary disease severity in 30 married patients. Levine SB, et al. **Chest** 1982 Apr;81(4):422–8

Maternal compliance and children's self-concept in cystic fibrosis. Johnson MR, et al. **JDBP** 1981 Mar;2(1):5–8

Psychosocial adaptation in children and adolescents with cystic fibrosis. Steinhausen HC, et al. **JDBP** 1981 Sep; 2(3):74–7

RADIOGRAPHY

Chest radiographs in cystic fibrosis. A follow-up study with application of a quantitative system. van der Put JM, et al. **Pediatr Radiol** 1982;12(2):57–61

Scoliosis in cystic fibrosis—an appraisal. Paling MR, et al. **Skeletal Radiol** 1982;8(1):63–66

[Radiological case of the month] Feigelson J, et al. **Arch Fr Pediatr** 1981 Oct;38(8):617–8 **(Fre)**

RADIONUCLIDE IMAGING

Radionuclide assessment of the effects of chest physical therapy on ventilation in cystic fibrosis. DeCesare JA, et al. **Phys Ther** 1982 Jun;62(6):820–7

THERAPY

Measurement of hypothetical burnout in cystic fibrosis caregivers. Lewiston NJ, et al. **Acta Paediatr Scand** 1981 Nov;70(6):935–9

Bacterial contamination of aerosol solutions used to treat cystic fibrosis. Kuhn RJ, et al. **Am J Hosp Pharm** 1982 Feb;39(2):308–9

Effect of chest physiotherapy on the removal of mucus in patients with cystic fibrosis. Rossman CM, et al. **Am Rev Respir Dis** 1982 Jul;126(1):131–5

Subjective and objective means of assessing cystic fibrosis and asthma. König P, et al. **Ann Allergy** 1982 Aug; 49(2):86–92

Cystic fibrosis: physical exercise versus chest physiotherapy. Zach M, et al. **Arch Dis Child** 1982 Aug;57(8):587–9

Exercise conditioning and cardiopulmonary fitness in cystic fibrosis. The effects of a three-month supervised running program. Orenstein DM, et al. **Chest** 1981 Oct;80(4):392–8

Cystic fibrosis: overview and pulmonary aspects in young adults. Holsclaw DS. **Clin Chest Med** 1980 Sep;1(3):407–21 (44 ref.)

The immediate effect of physiotherapy and aerosol treatment on pulmonary function in children with cystic fibrosis. Kerrebijn KF, et al. **Eur J Respir Dis** 1982 Jan;63(1):35–42

Effect of swimming on forced expiration and sputum clearance in cystic fibrosis. Zach MS, et al. **Lancet** 1981 Nov 28;2(8257):1201–3

Physical therapy for children with chronic lung disease. Tecklin JS. **Phys Ther** 1981 Dec;61(12):1774–81

A comparison of mechanical and manual percussion as adjuncts to postural drainage in the treatment of cystic fibrosis in adolescents and adults. Pryor JA, et al. **Physiotherapy** 1981 May 10;67(5):140–1

[Treatment of cystic fibrosis] Houštěk J, et al. **Cesk Pediatr** 1982 Jan;37(1):39–42 (Eng. Abstr.) **(Cze)**

[Use of kinesitherapy in the management of mucoviscidosis] Bessac Y, et al. **Lille Med** 1981 Mar;26(3):107–9 **(Fre)**

[Therapy of mucoviscidosis depending on the activity of the inflammatory lung process] Rachynsky SW, et al. **Kinderarztl Prax** 1982 Feb;50(2):77–83 (Eng. Abstr.) **(Ger)**

[Cystic fibrosis: long-term treatment at a specialized centre, and its prognostic value (author's transl)] Tümmler B, et al. **Monatsschr Kinderheilkd** 1982 Mar;130(3):157–64 (Eng. Abstr.) **(Ger)**

[Role of bronchoscopy in the treatment of children with mucoviscidosis] Rachinskil SV, et al. **Pediatrila** 1982 Apr; (4):25–8 **(Rus)**

URINE

Urinary 17-ketosteroids in cystic fibrosis. Pedersen PS, et al. **Acta Paediatr Scand** 1981 Jul;70(4):507–12

Cystic fibrosis. II. The urinary mucociliary inhibitor. McNeely MC, et al. **Pediatr Res** 1982 Jan;16(1):21–9

CYSTICERCOSIS

[Effect of corticoids in the acute phase of neurocysticercosis: preliminary note] Minguetti G, et al. **Arq Neuropsiquiatr** 1982 Mar;40(1):77–85 (Eng. Abstr.) **(Por)**

[Cerebral cysticercosis in Mexico] **Gac Med Mex** 1982 Jan; 118(1):1–16 **(Spa)**

CEREBROSPINAL FLUID

[Contribution of immunofluorescent reactions in the cerebrospinal fluid to the study of neurocysticercosis] Livramento JA. **Arq Neuropsiquiatr** 1981 Sep;39(3):261–78 (Eng. Abstr.) **(Por)**

[Cerebrospinal fluid eosinophils in inflammatory processes of the central nervous system and its coverings] Machado LR, et al. **Arq Neuropsiquiatr** 1981 Dec;39(4):384–9 (Eng. Abstr.) **(Por)**

COMPLICATIONS

A case of cysticercosis cerebri. Neurotologic implications. Millen SJ, et al. **Ann Otol Rhinol Laryngol** 1982 Jan–Feb; 91(1 Pt 1):122–5

Cysticercosis of the fallopian tube: histology and microanalysis. Abraham JL, et al. **Hum Pathol** 1982 Jul; 13(7):665–70

Case of cysticercosis presenting with persistent 'diplopia' and spontaneous extrusion. Baskararajan G, et al. **Indian J Ophthalmol** 1981 Jan;28(4):219–20

Hydrocephalus in cerebral cysticercosis. Pathogenic and therapeutic considerations. Lobato RD, et al. **J Neurosurg** 1981 Nov;55(5):786–93

Acute suppurative dacryoadenitis caused by a cysticercus cellulosa. Sen DK. **J Pediatr Ophthalmol Strabismus** 1982 Mar–Apr;19(2):100–2

[Edematous form of neurocysticercosis: report of 4 cases] Braga FM, et al. **Arq Neuropsiquiatr** 1981 Dec;39(4):434–43 (Eng. Abstr.) **(Por)**

DIAGNOSIS

Cysticercosis in the practice of otolaryngology. Mahindra S, et al. **Acta Otolaryngol (Stockh)** 1981 Jul–Aug; 92(1–2):189–91

Enzyme-linked immunosorbent assay (ELISA) for the detection of antibody to cysticerci of Taenia solium. Diwan AR, et al. **Am J Trop Med Hyg** 1982 Mar;31(2):364–9

CNS cysticercosis. Grisolia JS, et al. **Arch Neurol** 1982 Sep; 39(9):540–4

Neuro-ophthalmologic signs and symptoms of cysticercosis. Keane JR. **Arch Ophthalmol** 1982 Sep;100(9):1445–8

CNS cysticercosis—a problem of differential diagnosis. Popper H, et al. **Arch Psychiatr Nervenkr** 1982; 231(4):369–74

Cysticercus cellulosae as palpable lumps in children. Dalal SS, et al. **Indian Pediatr** 1981 Nov;18(11):840–1

Cerebral cysticercosis simulating pheochromocytoma: a case report. Rajatanavin R, et al. **J Med Assoc Thai** 1981 Jul;

64(7):351–5
Neurocysticercosis in Australia [letter] Whittle IR, et al. **Med J Aust** 1981 Aug 8;2(3):156–7
Cysticerciasis and epilepsy: a clinical and serological study. Chopra JS, et al. **Trans R Soc Trop Med Hyg** 1981; 75(4):518–20
[Diagnosis and surgical treatment of intraocular cysticercosis (author's transl)] Nguyen TN. **J Fr Ophtalmol** 1981; 4(5):387–91 (Eng. Abstr.) (Fre)
[Case of rare localization of cysticercosis] Halama A, et al. **Otolaryngol Pol** 1981;35(3):281–4 (Pol)
[Cerebral cysticercosis in Mexico. Diagnosis] Lombardo L. **Gac Med Mex** 1982 Jan;118(1):4–13 (Spa)

DRUG THERAPY

Treatment of cysticercosis with praziquantel in Colombia. Botero D, et al. **Am J Trop Med Hyg** 1982 Jul;31(4):811–21
New results on the effect of praziquantel in experimental cysticercosis. Thomas H, et al. **Am J Trop Med Hyg** 1982 Jul;31(4):803–10
Administration of praziquantel in neurocysticercosis. Spina-França A, et al. **Tropenmed Parasitol** 1982 Mar; 33(1):1–4
[A clinical study of treating schistosomiasis and cysticercosis with praziquantel (author's transl)] Xu ZY. **Chung Hua Nei Ko Tsa Chih** 1981 Jul;20(7):385–91 (Chi)
[Mebendazole in the experimental treatment of cysticercosis] Wang J, et al. **Chung Kuo I Hsueh Ko Hsueh Yuan Hsueh Pao** 1981 Jun; 3 Suppl 1:63–5 (Eng. Abstr.) (Chi)
[Neurocysticercosis and praziquantel. II. Evaluation of results in 20 patients] Spina-França A, et al. **Arq Neuropsiquiatr** 1981 Sep;39(3):279–85 (Eng. Abstr.) (Por)
[Neurocysticercosis. Treatment with praziquantel. A preliminary study (author's transl)] Brink G, et al. **Bol Chil Parasitol** 1980 Jul-Dec;35(3–4):66–70 (Eng. Abstr.) (Spa)
[Human cysticercosis and praziquantel: a survey of first clinical experiences (author's transl)] Groll E. **Bol Chil Parasitol** 1981 Jan-Jun;36(1–2):29–37 (Eng. Abstr.) (Spa)
[Medical treatment of cerebral cysticercosis] Robles C. **Gac Med Mex** 1981 Sep;117(9):355–63 (Spa)
[Medical treatment of cerebral cysticercosis] Robles Castillo C. **Salud Publica Mex** 1981 Sep-Oct;23(5):443–50 (Eng. Abstr.) (Spa)

IMMUNOLOGY

ELISA antibodies to cysticerci of Taenia solium in human populations in New Guinea, Oceania, and Southeast Asia. Coker-Vann MR, et al. **Southeast Asian J Trop Med Public Health** 1981 Dec; 12(4):499–505

OCCURRENCE

[Studies on the epidemiology of Taenia saginata infection and cysticercosis] Pawlowski Z. **Wiad Parazytol** 1980; 26(6):539–52 (49 ref.) (Eng. Abstr.) (Pol)

PARASITOLOGY

Bilateral multifocal intraocular cysticercosis. Topilow HW, et al. **Ophthalmology (Rochester)** 1981 Nov;88(11):1166–72
[Cysticercosis of the central nervous system] Aurrecoechea JJ, et al. **Rev Clin Esp** 1982 Feb 15;164(3):193–7 (Spa)

PATHOLOGY

Cysticercosis. An old scourge revisited. Wiederholt WC, et al. **Arch Neurol** 1982 Sep;39(9):533
Oral cysticercosis. Review of the literature and report of 2 cases. Lustmann J, et al. **Int J Oral Surg** 1981 Oct; 10(5):371–5
Cysticercus racemosus in an eosinophilic phlegmon in the brain. Ali-Khan Z, et al. **Trans R Soc Trop Med Hyg** 1981; 75(6):774–9
[Vitreous cysticercosis : report of a case (author's transl)] Saracco JB, et al. **Med Trop (Mars)** 1982 Jan-Feb; 42(1):97–9 (Fre)

RADIOGRAPHY

Clinical and CT scan pictures of cerebral cysticercosis. Singounas EG, et al. **Acta Neurochir (Wien)** 1982; 62(3–4):271–6
Cysticercosis cerebri. Review of 127 cases. McCormick GF, et al. **Arch Neurol** 1982 Sep;39(9):534–9
The parenchymal form of cerebral cysticercosis. Byrd SE, et al. **Diagn Imaging** 1981;50(4):201–15
Diagnosis of intraventricular and cisternal cysticercosis by computerized tomography with positive intraventricular contrast medium. Madrazo I, et al. **J Neurosurg** 1981 Dec; 55(6):947–51
The computed tomographic appearance of cerebral cysticercosis in adults and children. Byrd SE, et al. **Radiology** 1982 Sep;144(4):819–23
[Cerebral cysticercosis: diagnostic value of CT scan (author's transl)] der Agopian P, et al. **Rev Neurol (Paris)** 1982; 138(3):263–7 (Fre)
[Chronic skin eruptions and radiodiagnosis?] Kröpelin T, et al. **Radiologe** 1982 Jan;22(1):51–3 (Ger)
[Computer tomographic diagnosis of cysticercosis] Hammer B, et al. **ROFO** 1981 Sep;135(3):365–7 (Ger)

SURGERY

Macular and peripheral subretinal cysticercosis. Aracena T, et al. **Ann Ophthalmol** 1981 Nov;13(11):1265–7
Vitrectomy—a pars plana approach. Satapathy M, et al. **Indian J Ophthalmol** 1981 Dec;29(4):367–8
[Extraction of subretinal Cysticercus cellulosae by electrolytic localization (author's transl)] Shang CX. **Chung Hua Yen Ko Tsa Chih** 1979 May;15(2):115–6 (Chi)
[Surgical removal of an intraocular cysticercus] Nguyen TN. **Vestn Oftalmol** 1981 Jul-Aug;(4):57–9 (Rus)
[Surgical treatment of neurocysticercosis] Oscar Colli B. **Gac Med Mex** 1981 Jun;117(6):251–7 (Spa)

VETERINARY

Comparative studies of the indirect haemagglutination and the indirect fluorescent antibody tests in the diagnosis of bovine cysticercosis. Gathuma JM, et al. **Bull Anim Health Prod Afr** 1981 Mar;29(1):11–8
Pathology and neonatal infection of calves with Cysticercus bovis. Blažek K, et al. **Folia Parasitol (Praha)** 1982; 29(2):147–56
The incidence of adult and larval stage Taenia hydatigena in Uttar Pradesh (India). Pathak KM, et al. **Vet Parasitol** 1982 Mar;10(1):91–5
Effect of albendazole on Taenia saginata [letter] Geerts S, et al. **Vet Rec** 1981 Sep 5;109(10):207
Acute cysticercosis in housed sheep. Livesey CT, et al. **Vet Rec** 1981 Sep 12;109(11):217
Bovine cysticercosis survey [letter] McLauchlan I. **Vet Rec** 1981 Sep 26;109(13):291
Isolation of fraction no. 10 from Taenia saginata and evaluation of its specificity for the diagnosis of bovine cysticercosis. Geerts S, et al. **Z Parasitenkd** 1981; 66(2):201–6
Preliminary studies on the effect of fenbendazole and oxfendazole on Taenia saginata cysticerci in calves. Walther M, et al. **Zentralbl Veterinarmed [B]** 1982 Feb; 29(1):80–2
[Diagnosis of experimental bovine cysticercosis using the ELISA test] Chroustová E. **Vet Med (Praha)** 1981 Dec; 26(12):721–30 (Eng. Abstr.) (Cze)
[Epizootiology of bovine cysticercosis in the Jindřichuv Hradec District] Prokopič J, et al. **Vet Med (Praha)** 1981 Jul;26(7):403–9 (Eng. Abstr.) (Cze)
[Working conditions and psycho-physical predisposition of the personnel of the Veterinary Sanitary Inspection on detection of cysticercosis in cattle in the slaughterhouses] Kozakiewicz B. **Pol Arch Weter** 1981;23(1):43–61 (Eng. Abstr.) (Pol)

CYSTICERCUS see under **TAENIA**

CYSTINE

Calculated tyrosyl circular dichroism of proteins: absence of tryptophan and cystine interferences in avian pancreatic polypeptide. Strassburger W, et al. **FEBS Lett** 1982 Mar 22;139(2):295–9
A new method for the selective synthesis of unsymmetrical cystine peptides. Wünsch E, et al. **Hoppe Seylers Z Physiol Chem** 1982 Apr;363(4):449–53

ADMINISTRATION & DOSAGE

Methionine metabolism in rainbow trout fed diets of differing methionine and cystine content. Walton MJ, et al. **J Nutr** 1982 Aug;112(8):1525–35

ANALOGS & DERIVATIVES

Controlled trial of oral N-acetylcysteine in cystic fibrosis. Mitchell EA, et al. **Aust Paediatr J** 1982 Mar;18(1):40–2
Crystal structure and conformation of cyclo-L-cystine. Varughese KI, et al. **Int J Pept Protein Res** 1981 Jul; 18(1):88–102
Heterozygote detection in cystinosis, using leukocytes exposed to cystine dimethyl ester. Steinherz R, et al. **N Engl J Med** 1982 Jun 17;306(24):1468–70

ANALYSIS

Amino acid sequences containing cysteine or cystine residues in ovalbumin from eggs of the quail Coturnix coturnix japonica. Webster DM, et al. **Aust J Biol Sci** 1981; 34(5–6):505–14
Analyses of cystine in human hair: its level in women's hair of former times. Yamamoto R, et al. **J Nutr Sci Vitaminol (Tokyo)** 1981;27(5):455–61
Cystinotic fibroblasts are depleted of free-cystine by acid pH medium. Ritchie DG, et al. **Pediatr Res** 1981 Dec; 15(12):1492–4
[Histidine and cystine rich keratohyalin granules in the hamster cheek pouch epidermis (author's transl)] Tezuka T. **Nippon Hifuka Gakkai Zasshi** 1981 Oct;91(11):1235–8 (Jpn)

BLOOD

Plasma cyst(e)ine in homocyst(e)inemia. Malloy MH, et al. **Am J Clin Nutr** 1981 Dec;34(12):2619–21
A method for measurement of free and bound plasma cyst(e)ine. Malloy MH, et al. **Anal Biochem** 1981 May 15; 113(2):407–15
Defective cystine exodus from isolated lysosome-rich fractions of cystinotic leucocytes. Gahl WA, et al. **J Biol Chem** 1982 Aug 25;257(16):9570–5

DEFICIENCY

Hypotyrosinemia, hypocystinemia, and failure to retain nitrogen during total parenteral nutrition of cirrhotic patients. Rudman D, et al. **Gastroenterology** 1981 Dec; 81(6):1025–35

METABOLISM

Evaluation of techniques to estimate binding of thiola to cystine in cystinuric patients. Smith A, et al. **Aust NZ J Med** 1981 Jun;11(3):251–4
The effect of chloroquine on the metabolism of [35S]cystine in normal and cystinotic human skin fibroblasts. Danpure CJ. **Biochem J** 1981 Dec 15;200(3):555–63
Cystine uptake by rat renal brush-border vesicles. McNamara PD, et al. **Biochem J** 1981 Feb 15;194(2):443–9
The role of 2-mercaptoethanol in the stimulation of spleen cell cultures: increased uptake of cystine into the TCA-soluble pool. Burger M, et al. **Immunol Lett** 1982 Apr;4(4):193–7
Differential cyst(e)ine requirements in human T and B lymphoblastoid cell lines. Kamatani N, et al. **Int Arch Allergy Appl Immunol** 1982;68(1):84–9
The mechanism of the L-cystine cleavage reaction catalyzed by rat liver gamma-cystathionase. Yamanishi T, et al. **J Biochem (Tokyo)** 1981 Jun;89(6):1913–21
Defective cystine exodus from isolated lysosome-rich fractions of cystinotic leucocytes. Gahl WA, et al. **J Biol Chem** 1982 Aug 25;257(16):9570–5
The role of glutathione turnover in the apparent renal secretion of cystine. Griffith OW. **J Biol Chem** 1981 Dec 10;256(23):12263–8
Mechanism of augmentation of the antibody response in vitro by 2-mercaptoethanol in murine lymphocytes. I. 2-Mercaptoethanol-induced stimulation of the uptake of cystine, an essential amino acid. Ohmori H, et al. **J Exp Med** 1982 May 1;155(5):1277–90
Cysteine and cystine transport at the blood-brain barrier. Wade LA, et al. **J Neurochem** 1981 Sep;37(3):730–4
Cystinotic and normal fibroblasts: differential protection in cystine-free medium by dithiothreitol. Lancaster GA, et al. **Pediatr Res** 1982 Jan;16(1):86–8
Cystine transport is defective in isolated leukocyte lysosomes from patients with cystinosis. Gahl WA, et al. **Science** 1982 Sep 24;217(4566):1263–5
[Transport and metabolism of cystine in cultured cells (author's transl)] Bannai S. **Seikagaku** 1981;53(1):16–20 (33 ref.) (Jpn)

CYSTINEAMINE see **CYSTAMINE**

CYSTINOSIS

BLOOD

Defective cystine exodus from isolated lysosome-rich fractions of cystinotic leucocytes. Gahl WA, et al. **J Biol Chem** 1982 Aug 25;257(16):9570–5
Patterns of amino acid efflux from isolated normal and cystinotic human leucocyte lysosomes. Steinherz R, et al. **J Biol Chem** 1982 Jun 10;257(11):6041–9
Plasma cysteamine concentrations in children treated for cystinosis. Jonas AJ, et al. **J Pediatr** 1982 Feb;100(2):321–3

DIAGNOSIS

Cystinosis in a black child. Jonas AJ, et al. **J Pediatr** 1982 Jun;100(6):934–5
Cystinosis in non-caucasian children. Jonas AJ, et al. **Johns Hopkins Med J** 1982 Sep;151(3):117–21

DRUG THERAPY

Adverse reactions to oral cysteamine use in nephropathic cystinosis. Corden BJ, et al. **Dev Pharmacol Ther** 1981; 3(1):25–30
Treatment of cystinosis with cysteamine. A pilot study determining dose and form of application. Bergonzi E, et al. **Helv Paediatr Acta** 1981 Nov;36(5):437–43
[Pediatric cystinosis: an experience with indomethacin therapy for nearly 4 years] Betend B, et al. **Pediatrie** 1982 Jan-Feb;37(1):31–6 (Eng. Abstr.) (Fre)
[Urinary prostaglandins and effect of indomethacin therapy in cystinosis] Parchoux B, et al. **Pediatrie** 1982 Jan-Feb; 37(1):19–30 (Eng. Abstr.) (Fre)

FAMILIAL & GENETIC

Adolescent cystinosis: a clinical and specular microscopic study of an unusual sibship. Dale RT, et al. **Br J Ophthalmol** 1981 Dec;65(12):828–32
Heterozygote detection in cystinosis, using leukocytes exposed to cystine dimethyl ester. Steinherz R, et al. **N Engl J Med** 1982 Jun 17;306(24):1468–70

IMMUNOLOGY

HLA types and the clinical course of cystinosis. Steinherz

R, et al. **Isr J Med Sci** 1982 Feb;18(2):293

METABOLISM

Effect of cysteamine on amino acid pools of cultured fibroblasts and the uptake of L-proline. States B, et al. **Biochem Biophys Res Commun** 1982 Apr 29;105(4):1327-32

The effect of chloroquine on the metabolism of [35S]cystine in normal and cystinotic human skin fibroblasts. Danpure CJ. **Biochem J** 1981 Dec 15;200(3):555-63

Measurement of intracellular amino acids in cultured fibroblasts. Jonas AJ, et al. **Clin Chim Acta** 1982 Apr 23; 120(3):321-9

Cysteamine inhibition of [15N]-glycine turnover in cystinosis and of glycine cleavage system in vitro. Yudkoff M, et al. **Metabolism** 1981 Nov;30(11):1096-103

Cystine transport is defective in isolated leukocyte lysosomes from patients with cystinosis. Gahl WA, et al. **Science** 1982 Sep 24;217(4566):1263-5

PATHOLOGY

Cystinotic and normal fibroblasts: differential protection in cystine-free medium by dithiothreitol. Lancaster GA, et al. **Pediatr Res** 1982 Jan;16(1):86-8

Cystinotic fibroblasts are depleted of free-cystine by acid pH medium. Ritchie DG, et al. **Pediatr Res** 1981 Dec; 15(12):1492-4

Glomerular lesions in patients with late-onset cystinosis with massive proteinuria. Pabico RC, et al. **Renal Physiol** 1980; 3(1-6):347-54

SURGERY

Kidney transplantation in uremic children with cystinosis. Langlois RP, et al. **Nephron** 1981;28(6):273-5

CYSTINURIA

COMPLICATIONS

[Cystinic lithiasis. Current therapeutic trends. Personal experience] Tizzani A, et al. **Minerva Urol** 1981 Oct-Dec; 33(4):253-8 (Eng. Abstr.) **(Ita)**

DIAGNOSIS

[Cystinuria - a forgotten urinary calculosis] Otonkoski T, et al. **Duodecim** 1981;97(17):1404-13 **(Fin)**

[Urine biochemistry in children with supposed metabolic diseases] Turcanu L, et al. **Physiologie** 1982 Jan-Mar; 19(1):25-30 **(Fre)**

DRUG THERAPY

Glutamine: a new anticystinuric drug? Joost J, et al. **Eur Urol** 1981;7(6):363-4

The use of D-penicillamine in cystinuria: efficacy and untoward reactions. Halperin EC, et al. **Yale J Biol Med** 1981 Nov-Dec;54(6):439-46

[The use of mercapto-propionyl-glycine in the treatment of cystine lithiasis (author's transl)] Dimopoulos C, et al. **J Urol (Paris)** 1981;87(5):265-8 (Eng. Abstr.) **(Fre)**

[Cystinuria therapy by ascorbic acid (author's transl)] Asper R, et al. **Urol Int** 1982;37(2):91-109 (Eng. Abstr.) **(Ger)**

FAMILIAL & GENETIC

Homozygous cystinuria--evaluation of 35 patients. Evans WP, et al. **J Urol** 1982 Apr;127(4):707-9

METABOLISM

Evaluation of techniques to estimate binding of thiola to cystine in cystinuric patients. Smith A, et al. **Aust NZ J Med** 1981 Jun;11(3):251-4

THERAPY

Zinc and cystinuria [letter] Ruse W, et al. **Clin Sci** 1982 Aug; 63(2):223-4

URINE

Evaluation of a kit for assessing cystinuria and homocystinuria. Richards CJ, et al. **Clin Chem** 1982 Jan; 28(1):243-5

CYSTITIS

[Interstitial cystitis] Lose G, et al. **Ugeskr Laeger** 1981 Sep 21;143(39):2487-91 (Eng. Abstr.) **(Dan)**

CHEMICALLY INDUCED

Prevention of ifosfamide-induced hemorrhagic cystitis by continuous bladder irrigation. Fujita J, et al. **Urology** 1981 Sep;18(3):250-1

[Cyclophosphamide haemorragic cystitis in a child. Radiological and endoscopic aspects (author's transl)] Sauvage P, et al. **Chir Pediatr** 1982 Mar-Apr;23(2):125-7 (Eng. Abstr.) **(Fre)**

COMPLICATIONS

Eosinophilic cystitis: an uncommon form of cystitis. Littleton RH, et al. **J Urol** 1982 Jan;127(1):132-3

Viral cystitis with transient secondary vesicoureteral reflux. Mininberg DT, et al. **J Urol** 1982 May;127(5):983-5

DIAGNOSIS

Eosinophilic cystitis. Tauscher JW, et al. **Clin Pediatr (Phila)** 1981 Nov;20(11):741-3 (25 ref.)

[Chronic cystitis in a child (author's transl)] Montellato N, et al. **J Urol (Paris)** 1981;87(8):523-5 (Eng. Abstr.) **(Fre)**

[Cystitis] Lagrue G, et al. **Sem Hop Paris** 1981 Oct 18-25; 57(39-40):1639-43 **(Fre)**

[Case of cutaneous systemic herpes zoster] Marcinów M, et al. **Wiad Lek** 1981 May 1;34(9):775-7 **(Pol)**

[Actinomycosis of the bladder] Rozenberg VD. **Vrach Delo** 1981 Mar;(3):41-3 **(Rus)**

DRUG THERAPY

A comparison of cinoxacin and co-trimoxazole in the treatment of cystitis. Schneider RE. **Clin Ther** 1982; 4(6):510-4

Orgotein: a new drug for the treatment of radiation cystitis. Marberger H, et al. **Eur J Rheumatol Inflamm** 1981; 4(2):244-9

A general practice evaluation of selexid suspension as a treatment for acute urinary tract infection. Murison IC, et al. **J Int Med Res** 1982;10(1):35-8

Therapy for acute cystitis in adult women. Randomized comparison of single-dose sulfisoxazole vs trimethoprim-sulfamethoxazole. Buckwold FJ, et al. **JAMA** 1982 Apr 2;247(13):1839-42

Single-dose therapy for cystitis [editorial] Lerner SA, et al. **JAMA** 1982 Apr 2;247(13):1865-6

Mictral, a citrated formulation of nalidixic acid in the treatment of acute uncomplicated cystitis. A study in general practice in Scotland and the Irish Republic. McAllister TA. **Practitioner** 1981 Apr;225(1354):575-8

Treatment of cystitis in women with a single dose of trimethoprim-sulfamethoxazole. Counts GW, et al. **Rev Infect Dis** 1982 Mar-Apr;4(2):484-90

Does antibacterial ointment applied to urethral meatus in women prevent recurrent cystitis? Meyhoff HH, et al. **Scand J Urol Nephrol** 1981;15(2):81-3

Open instillation of formalin for hemorrhagic cystitis in a child. Gislason T, et al. **Urology** 1981 Nov;18(5):496-7

Comparison of cinoxacin and nalidixic acid in patients with cystitis. Paulson DF. **Urology** 1982 Aug;20(2):138-40

[Pivmecillinam (Selexid) in acute cystitis. A comparative study of 3- and 7-day treatments] Hansen PH, et al. **Ugeskr Laeger** 1981 Mar 15;143(11):670-3 (Eng. Abstr.) **(Dan)**

[Clinical experiences with orgotein in urologic diseases] Frick J, et al. **Eur J Rheumatol Inflamm** 1981;4(2):260-3 (Eng. Abstr.) **(Ger)**

[Results of a multicenter orgotein study in radiation induced and interstitial cystitis] Kadrnka F. **Eur J Rheumatol Inflamm** 1981;4(2):237-43 (Eng. Abstr.) **(Ger)**

[Laboratory and clinical studies on cefsulodin (author's transl)] Kumasaka Y, et al. **Jpn J Antibiot** 1981 Oct; 34(10):1416-21 (Eng. Abstr.) **(Jpn)**

[Fundamental and a few clinical studies in pediatric field on tobramycin with intravenous drip infusion method (author's transl)] Nakazawa S, et al. **Jpn J Antibiot** 1981 Aug; 34(8):1173-7 (Eng. Abstr.) **(Jpn)**

[Prospects in antibiotic treatment of urologic diseases] Naide Y. **Nippon Rinsho** 1981 Jan;39(1):85-91 **(Jpn)**

ETIOLOGY

Chronic cystitis and urethritis associated with ureaplasmal and mycoplasmal infection in primary hypogammaglobulinaemia. Webster AD, et al. **Br J Urol** 1982 Jun;54(3):287-91

Experimental retrograde pyelonephritis and cystitis induced in rabbits by a group D Streptococcus sp.: serum antibody assay by a hemagglutination test. Desnottes JF, et al. **Infect Immun** 1981 Sep;33(3):647-50

Chronic interstitial cystitis as an initial major manifestation of systemic lupus erythematosus. de la Serna AR, et al. **J Rheumatol** 1981 Sep-Oct;8(5):808-10

Acute haemorrhagic cystitis caused by adenovirus type 11 in a recipient of a transplanted kidney. Harnett GB, et al. **Med J Aust** 1982 Jun 26;1(13):565-7

Cystitis associated with chlamydial infection of the genital tract in male guinea pigs. Rank RG, et al. **Sex Transm Dis** 1981 Jul-Sep;8(3):203-10

METABOLISM

Bacterial infection and acid mucopolysaccharides in epithelium of rat urinary bladder. Kuwahara M, et al. **Urol Res** 1982;10(2):93-6

MICROBIOLOGY

Absence of fluctuation in vaginal colonisation by Enterobacteriaceae during the menstrual cycle in patients with recurrent cystitis [letter] Botta GA, et al. **Lancet** 1981 Nov 14;2(8255):1116-7

OCCURRENCE

[Epidemiological study of cystitis in children. Results of a mass screening] Bono AV, et al. **Minerva Pediatr** 1981 Dec; 33(24):1185-7 **(Ita)**

PATHOLOGY

Mast cells in interstitial cystitis. Larsen S, et al. **Br J Urol** 1982 Jun;54(3):283-6

Inflammatory plasma cell infiltration of the urinary bladder in the aging C57BL/Icrfa(t) mouse. Phillips JI. **Invest Urol** 1981 Sep;19(2):75-8

[Changes in urethral and bladder mucosa in a urethral syndrome] Permiakov AN, et al. **Arkh Patol** 1982; 44(2):42-7 (Eng. Abstr.) **(Rus)**

PREVENTION & CONTROL

Prevention of cyclophosphamide-induced haemorrhagic cystitis by disulfiram [letter] Ershler WB, et al. **Blut** 1982 May;44(5):321

Prophylaxis of haemorrhagic cystitis due to cyclophosphamide-conditioning for bone marrow transplantation [letter] Link H, et al. **Blut** 1981 Nov; 43(5):329-30

Chlorhexidine and urinary drainage bags [letter] Seal DV. **Lancet** 1982 Apr 24;1(8278):965

The prevention of cyclophosphamide-induced cystitis in mice by disulfiram. Hacker MP, et al. **Res Commun Chem Pathol Pharmacol** 1982 Jan; 35(1):145-54

[Clinical evaluation of Mitexan in the prevention of urinary tract complications during treatment with Holoxan] Czownicki Z, et al. **Nowotwory** 1981;30(4):377-83 (Eng. Abstr.) **(Pol)**

RADIOGRAPHY

Alkaline encrusted cystitis. Cherian MJ, et al. **Australas Radiol** 1981 Jul;25(2):157-8

THERAPY

[Treatment of hemorrhagic cystitis] Tramoyeres Celma A, et al. **Actas Urol Esp** 1981 May-Jun;5(3):201-4 (Eng. Abstr.) **(Spa)**

VETERINARY

Cystitis in female guinea pigs. Wood M. **Lab Anim** 1981 Apr; 15(2):141-3

Corynebacterium renale pyelonephritis and cystitis in a sheep. Higgins RJ, et al. **Vet Rec** 1981 Sep 19;109(12):256

Secondary inflammatory lesions of the urogenital organs in aging Han: WIST rats. short communication. Deerberg F, et al. **Z Versuchstierkd** 1981;23(2):73-6

CYSTOPYELITIS see PYELOCYSTITIS

CYSTOSARCOMA PHYLLODES

DIAGNOSIS

Benign neoplasms and 'inflammations' of the breast. Schwartz GF. **Clin Obstet Gynecol** 1982 Jun;25(2):373-85

[Case of cystosarcoma phyllodes in mesenchymoma malignum vertens] Friedensberg W, et al. **Wiad Lek** 1981 Sep 1;34(17):1459-62 **(Pol)**

HISTORY

Cystosarcoma phyllodes of the mammary gland--Müller's tumor. For the 180th birthday of Johannes Müller. Fiks A. **Virchows Arch [Pathol Anat]** 1981;392(1):1-6

METABOLISM

Estrogen receptors in cystosarcoma phyllodes of the breast. Porton WM, et al. **Eur J Cancer Clin Oncol** 1981 Oct; 17(10):1147-9

OCCURRENCE

[Incidence of the disease known as cystosarcoma phylloides in fibroadenomas of the breast] Avilés E, et al. **Rev Med Panama** 1982 May;7(2):149-53 (Eng. Abstr.) **(Spa)**

PATHOLOGY

Cystosarcoma phyllodes: a clinicopathological analysis of 14 cases. Gogas JG. **Int Surg** 1979 Aug-Oct;64(5):77-80

Sarcomas of the breast: homogenous or heterogenous? Khanna S, et al. **J Surg Oncol** 1981;18(2):119-28

Cystosarcoma phylloides: a case presentation. Orsini JM, et al. **Med Pediatr Oncol** 1981;9(5):449-53

Recurring cystosarcoma phyllodes associated with breast carcinoma. Stone-Tolin K, et al. **South Med J** 1982 Jul; 75(7):881-4

[2 cases of malignant mesenchymoma of the breast] Chabielski S, et al. **Wiad Lek** 1981 Jun 15;34(12):1021-5 **(Pol)**

[Phyllode tumors: anatomoclinical and therapeutic aspects (5 clinical cases)] Neagu S, et al. **Rev Chir [Chir]** 1981 Jul-Aug;30(4):249-56 (Eng. Abstr.) **(Rum)**

RADIONUCLIDE IMAGING

Gallium-67 uptake in cystosarcoma phyllodes. Silver MR. **AJR** 1982 Jun;138(6):1181-3

SECONDARY

[Metastatic cystosarcoma phyllodes] Hohlbach G, et al.

Chirurg 1982 Jan;53(1):37–9 (Eng. Abstr.) (Ger)

SURGERY

Recurrent and metastatic cystosarcoma phyllodes. Lindquist KD, et al. Am J Surg 1982 Sep;144(3):341–3
Cystosarcoma phylloides of the breast: a new therapeutic proposal. Contarini O, et al. Am Surg 1982 Apr; 48(4):157–66
Cystosarcoma phyllodes: a review of 22 patients plus a case report of the youngest patient recorded in the literature. Singh R, et al. Aust NZ J Surg 1982 Apr;52(2):158–60
Cystosarcoma phyllodes. Schmidt B, et al. Isr J Med Sci 1981 Sep–Oct;17(9–10):895–8
[Fibroadenoma phyllodes of the breast] Klush T, et al. Vestn Khir 1981 Dec;127(12):80 (Rus)

ULTRASTRUCTURE

Fine structure of cystosarcoma phyllodes with reference to smooth muscle tumors. Horie A. Acta Pathol Jpn 1981 Nov;31(6):1015–28

CYSTOSCOPY

Development of a carbon dioxide laser cystoscope. Willscher MK, et al. Lasers Surg Med 1980;1(2):183–90
Semi-quantitative cystourethroscopic assessment of infravesical obstruction: a valid substitute for pressure–flow recordings? Andersen JT, et al. Prog Clin Biol Res 1981; 78:277–81
[Diagnostic potentials of cystoscopy in urinary incontinence] Doganov N. Akush Ginekol (Sofia) 1981;20(6):459–63 (Eng. Abstr.) (Bul)
[New concept for the treatment of vesico-ureteral reflux. Endoscopic application of teflon] Matouschek E. Arch Esp Urol 1981 Sep–Oct;34(5):385–8 (Eng. Abstr.) (Spa)

ADVERSE EFFECTS

Urethro-rectal perforation at cystoscope. Manenti A, et al. Acta Urol Belg 1981 Oct;49(4):452–3
[Alterations of ventilatory mechanics by vesicle perforation during endoscopic surgery (author's transl)] Alavrez J, et al. Rev Esp Anestesiol Reanim 1981 Sep;28(5):289–90 (Eng. Abstr.) (Spa)

HISTORY

Problems encountered by early endoscopists. Nicholson P. Urology 1982 Jan;19(1):114–9

INSTRUMENTATION

[Current questions of modern urethrocystoscopy] Csapó Z, et al. Orv Hetil 1982 May 23;123(21):1303–6 (Hun)
[Our initial experiences with rigid transurethral ureteronephroscopy] Reuter MA, et al. Arch Esp Urol 1981 Sep–Oct;34(5):389–92 (Eng. Abstr.) (Spa)

METHODS

Technique for replacing indwelling double-J ureteral stents. Chodak G, et al. Urology 1982 May;19(5):544–5
Cystoscoping patients with semirigid penile prosthesis. Datta NS. Urology 1981 Oct;18(4):403–4
[Fluorescent light cystoscopy (author's transl)] Vallancien G. Nouv Presse Med 1981 Dec 19;10(46):3791–2 (Eng. Abstr.) (Fre)

CYSTS

Nasolabial cysts: mechanisms of development. Schuman DM. Ear Nose Throat J 1981 Sep;60(9):389–94
Cysts (large follicles) and colloid in pituitary glands. Benjamin M. Gen Comp Endocrinol 1981 Dec;45(4):425–45 (108 ref.)
Nasopalatine duct cyst. Review of the literature and report of 22 cases. Allard RH, et al. Int J Oral Surg 1981 Dec; 10(6):447–61

CEREBROSPINAL FLUID

Cavum septi pellucidi as a cause of shunt dysfunction. Mapstone TB, et al. Surg Neurol 1981 Aug;16(2):96–8

CHEMICALLY INDUCED

[Thyroid cyst, parathyroid adenoma and lithium therapy (author's transl)] Brion S, et al. Encephale 1981;7(5):645–8 (Eng. Abstr.) (Fre)
[Penicillamine-induced elastosis perforans serpiginosa and pulmonary cyst in Wilson's disease (author's transl)] Bardach H, et al. Wien Klin Wochenschr 1981 Feb 20; 93(4):117–22 (Eng. Abstr.) (Ger)

CLASSIFICATION

Primary cysts of the iris. Shields JA.
Trans Am Ophthalmol Soc 1981;79:771–809

COMPLICATIONS

Cholangiocarcinoma in a patient with biliary cysts. Ackerholm P, et al. Acta Chir Scand 1981;147(7):605–7
Fatal complications of Caroli's disease. Taylor CO, et al. Am J Gastroenterol 1982 Feb;77(2):75–6
Pineal cyst associated associated with polycystic kidney disease: case report. Abreo K, et al. Am J Kidney Dis 1981 Sep;1(2):106–9
Cystic meconium peritonitis associated with hydrops fetalis. Mayock DE, et al. Am J Obstet Gynecol 1982 Mar 15;142(6 Pt 1):704–5
Corneal astigmatism from conjunctival cysts. Soong HK, et al. Am J Ophthalmol 1982 Jan;93(1):118–9
Adventitial cystic disease of the popliteal artery in Brazil: additional data on the geographical distribution of the disease. Maffei FH, et al. Angiology 1982 May;33(5):339–42
Proptosis and pseudocyst formation from inverted papilloma. Karcioglu ZA, et al. Ann Ophthalmol 1982 May;14(5):443–8
Percutaneous transhepatic occlusion for bleeding oesophageal varices in polycystic disease. Laing IA, et al. Arch Dis Child 1981 Dec;56(12):954–63
Prolonged course of meningitis due to an arachnoid cyst. Roach ES, et al. Arch Neurol 1981 Nov;38(11):720–1
Neurological signs and operative indication by agenesis of the perisylvian region: a study of 13 operated cases. Markakis E, et al. Arq Neuropsiquiatr 1981 Dec; 39(4):376–83
Pulmonary blastoma associated with cystic lung disease. Weinblatt ME, et al. Cancer 1982 Feb 15;49(4):669–71
Testicular feminization syndrome (TFS) associated with paragonadal cysts. Renold F, et al. Clin Genet 1982 Mar; 21(3):203–8
The extensor indicis brevis muscle with an unusual ganglion. Murakami Y, et al. Clin Orthop 1982 Jan–Feb;(162):207–9
Spontaneous perforation of a choledochal cyst. Yamashiro Y, et al. Eur J Pediatr 1982 Mar;138(2):193–5
Skew deviation as presenting ocular sign of a third ventricle colloid cyst. Kömpf D, et al. Eur Neurol 1981;20(4):326–9
Coexisting cyst of the utricle and carcinoma of the endometrial type in the prostate. Nogueira March JL, et al. Eur Urol 1982;8(1):42–4
Significant venous thromboembolism caused by pelvic lymphocysts: diagnosis and management. Clarke-Pearson DL, et al. Gynecol Oncol 1982 Feb;13(1):136–43
Arachnoid cyst associated with psychological disturbance. Colameco S, et al. J Med Soc NJ 1982 Mar;79(3):209–10
Further observations on the 'bobble-headed doll syndrome'. Dell S. J Neurol Neurosurg Psychiatry 1981 Nov; 44(11):1046–9
Femoral neuropathy caused by an iliopsoas bursal cyst. Case report. Lavyne MH, et al. J Neurosurg 1982 Apr; 56(4):584–6
Spinal cord herniation into a congenital extradural arachnoid cyst causing Brown-Séquard syndrome. Case report. Masuzawa H, et al. J Neurosurg 1981 Dec;55(6):983–6
Embryonal rhabdomyosarcoma arising within a congenital bronchogenic cyst in a child. Krous HF, et al. J Pediatr Surg 1981 Aug;16(4):506–8
Juxtampullary, bile-filled duodenal duplication cyst: another surgically correctable cause of acute pancreatitis. Jones PA, et al. J R Soc Med 1982 Aug;75(8):662–4
Pseudogout and normocalcemic hyperparathyroidism secondary to a parathyroid cyst [letter] Bridgeford PH, et al. J Rheumatol 1981 Sep–Oct;8(5):869–70
Heberden's nodes' nails and pseudocysts [letter] Goldman JA. J Rheumatol 1982 Jan–Feb;9(1):162
Large geode in elbow with spontaneous fracture [letter] Jacobs AJ, et al. J Rheumatol 1982 Mar–Apr;9(2):340–1
Paired cystic masses communicating with the posterior urethra producing urinary obstruction. Haynes AJ Jr, et al. J Urol 1981 Nov;126(5):700–1
The gallbladder in polycystic liver disease [letter] Hollingsworth AB. JAMA 1982 Jan 22–29;247(4):462
Facial pain associated with a middle fossa arachnoid cyst. Martuza RL, et al. Neurosurgery 1981 Jun;8(6):712–16
Association of von Recklinghausen's neurofibromatosis with adult polycystic disease of kidneys and liver. Varma SC, et al. Postgrad Med J 1982 Feb;58(676):117–8
Carcinoma arising in a calcified bronchogenic cyst. Miralles Lozano F, et al. Respiration 1981;42(2):135–7
A contribution to the diagnostics of cystic affections of the liver and demonstration of an unusual cystic tumour. Dítě P, et al. Sb Ved Pr Lek Fak Univ Karlovy 1981;24(5):577–83
Fatal complication of hepatic cystic disease. Davis CK, et al. South Med J 1981 Nov;74(11):1409–11
Haemophilus influenzae infection of an existing lung cyst. Wewers MD, et al. South Med J 1982 Jun;75(6):736–7
Infected liver cyst in a patient with polycystic kidney disease. Gesundheit N, et al. West J Med 1982 Mar;136(3):246–9
Choledochocele associated with acute hemorrhagic pancreatitis. Hart MJ, et al. West J Med 1980 Oct; 133(4):340–4
[Microphthalmus with orbital cyst due to nonclosure of fetal cleft: a clinical and histological case report (author's transl)] Schmitt H, et al. Klin Monatsbl Augenheilkd 1981 Nov; 179(5):359–61 (Eng. Abstr.) (Ger)
[Idiopathic choledochus cyst as a cause for juvenile jaundice] Bürger L. Med Welt 1981 Oct 30;32(44):1643–4 (Ger)
[Spinal arachnoidal cyst as cause of intermittent spastic paraparesis (author's transl)] Sachsenheimer W, et al. Nervenarzt 1982 Apr;53(4):219–22 (Ger)
[Parathyroid cyst, located in the thyroid gland, causing hyperparathyroidism] Kriváchy P, et al. Orv Hetil 1982 Feb 7;123(6):345–7 (Hun)
[A case of cystic dilatation of the common bile duct with bilio-digestive fistula] Cinà C, et al. Chir Ital 1981 Dec; 33(6):1184–91 (Ita)
[Choledochal cyst as a precancerous lesion. Description of a clinical case and review of the literature] Aloj G. Minerva Chir 1982 May 15;37(9):817–22 (30 ref.) (Eng. Abstr.) (Ita)
[Four cases of eye lesions due to postoperative muco-pyoceles of the nasal accessory sinuses. Experience of pansinectomy and decomposition of the optic canal (author's transl)] Niho M. Nippon Jibiinkoka Gakkai Kaiho 1981 Aug;84(8):826–35 (Eng. Abstr.) (Jpn)
[Congenital Minamata disease accompanied by arachnoid cyst (author's transl)] Hira K, et al. No To Shinkei 1982 Mar;34(3):259–66 (Eng. Abstr.) (Jpn)
[Three cases of arachnoid cysts associated with chronic subdural hematoma (author's transl)] Nabeshima S, et al. No To Shinkei 1982 Feb;34(2):173–8 (Eng. Abstr.) (Jpn)
[A case of splenic cyst accompanied with hypersplenism] Terada H, et al. Rinsho Ketsueki 1982 Jan;23(1):83–90 (Eng. Abstr.) (Jpn)
[Coexistence of liver cysts and renal cystic disease in ultrasonography] Zięcik S, et al. Wiad Lek 1982 Apr 15; 35(2):155–8 (Eng. Abstr.) (Pol)
[Combined splenic pseudocyst and pancreatic cyst] Batvinkov NI, et al. Khirurgiia (Mosk) 1982 Jan;(1):102 (Rus)
[Development of squamous cell carcinoma in the wall of a cyst formed around a foreign body in the soft tissues of the hip] Karseladze AI, et al. Sov Med 1981;(8):120–1 (Rus)
[Xanthoadipose nodules in the sacroiliac region and their clinical importance. Lumbar and sciatic pain] Ercegovac N, et al. Vojnosanit Pregl 1982 May–Jun;39(3):177–83 (Scr)
[Apropos of a Cachi-Ricci case: bilateral nephromegaly and simple serous cysts in the liver] Escudero Barrilero A, et al. Arch Esp Urol 1982 Jan–Feb;35(1):13–24 (Eng. Abstr.) (Spa)

CONGENITAL

Congenital epithelial cysts of the iris stroma. Sugar HS, et al. Ann Ophthalmol 1982 May;14(5):483–5
Unusual sacrococcygeal embryologic malformations with cutaneous manifestations. Harrist TJ, et al. Arch Dermatol 1982 Sep;118(9):643–8
Cervical thymic cyst. Sanusi ID, et al. Arch Dermatol 1982 Feb;118(2):122–4
Pathogenesis of congenital midline porencephaly. Stein SC. Childs Brain 1981;8(6):406–16
Orbital cyst in addition to congenital cerebral and focal dermal malformations: a new entity? Delleman JW, et al. Clin Genet 1981 Mar;19(3):191–8
Congenital cystic adenomatoid malformation of the lung with bronchial atresia. Cachia R, et al. Hum Pathol 1981 Oct; 12(10):947–50
A kindred with congenital vellus hair cysts. Piepkorn MW, et al. J Am Acad Dermatol 1981 Dec;5(6):661–5
CT cholangiography in suspected Caroli's disease. Musante F, et al. J Comput Assist Tomogr 1982 Jun;6(3):482–5
Diagnosis of cystic ectasia of intrahepatic bile ducts by computed tomography. Sorensen KW, et al. J Comput Assist Tomogr 1982 Jun;6(3):486–9
Active tuberculosis in a congenital lung cyst: a case report. Mayo P, et al. J Ky Med Assoc 1982 Feb;80(2):75–7
An unusual cause of stridor. A case report. Salama N, et al. J Laryngol Otol 1982 Apr;96(4):361–3
Supratentorial 'arachnoia' cysts. Giudicelli G, et al. J Neuroradiol 1982;9(2):179–201 (Eng, Fre)
Cystic malformations of the posterior fossa. Abnormalities associated with the development of the roof of the fourth ventricle and adjacent meningeal structures. Raybaud C. J Neuroradiol 1982;9(2):103–33 (Eng, Fre)
Congenital solitary nonparasitic cyst of the liver: a rare cause of rapidly enlarging abdominal mass in infancy. Byrne WJ, et al. J Pediatr Surg 1982 Jun;17(3):316–7
Air filled bronchogenic cyst presenting as a cervical mass in the newborn. Toukukian RJ. J Pediatr Surg 1982 Jun; 17(3):311–2
Progressive neonatal airway obstruction secondary to cervical thymic cyst. Raines JM, et al. Otolaryngol Head Neck Surg 1981 Sep–Oct;89(5):723–5
Symptomatic cervical thymic cyst in a neonate. Rosevear WH, et al. Otolaryngol Head Neck Surg 1981 Sep–Oct; 89(5):738–41
Congenital epithelial splenic cysts in children. Emphasis on sonographic appearances and some unusual features. Daneman A, et al. Pediatr Radiol 1982;12(3):119–25
Partial hepatectomy in Caroli's disease. Schrumpf E, et al. Scand J Gastroenterol 1981;16(5):581–5
[Congenital broncho-pulmonary cyst: a report of 12 cases (author's transl)] Wang CC. Chung Hua Wai Ko Tsa Chih 1981 Dec;19(12):727–8 (Eng. Abstr.) (Chi)
[Multiple carcinomas arising from congenital cysts of the liver and kidneys] Rehulová E, et al. Cesk Patol 1981 Nov; 17(4):198–203 (Eng. Abstr.) (Cze)
[Duplication of the duodenum] Hansen PK, et al. Ugeskr Laeger 1981 Dec 7;143(50):3394–5 (Eng. Abstr.) (Dan)
[Congenital cystic dilatation of the biliary tract. Report of two personal cases and review of the literature (author's transl)] Van Outryve L, et al. Acta Gastroenterol Belg 1981 May-Jun;44(5–6):284–98 (Eng. Abstr.) (Fre)

[A case of laryngocele in a newborn infant] Kessoku A, et al. **Auris Nasus Larynx** 1980;7(3):159–62 (Eng. Abstr.) **(Ger)**

[Congenitally cystic liver] Kuntz HD. **MMW** 1982 Feb 12; 124(6):100–1 **(Ger)**

[Problems of congenital cystic adenomatoid malformation of the lung in premature babies (author's transl)] Lischka A, et al. **Padiatr Padol** 1982;17(2):465–72 (Eng. Abstr.) **(Ger)**

[Computer tomographic diagnosis of Caroli's syndrome (author's transl)] Fischedick AR, et al. **ROFO** 1982 Jan; 136(1):74–7 (Eng. Abstr.) **(Ger)**

[Endoscopic retrograde cholangiography (ERC) in congenital cystic biliary anomalies (author's transl)] Gmelin E, et al. **ROFO** 1980 Nov;133(5):506–10 (Eng. Abstr.) **(Ger)**

[Congenital cystic adenomatoid malformation of the lungs studied by scanning (SEM) and transmission (TEM) electron microscopy] Chyczewski L, et al. **Patol Pol** 1981; 32(1):129–33 (Eng. Abstr.) **(Pol)**

[Case of Caroli's syndrome] Goszcz A, et al. **Pol Arch Med Wewn** 1981 Feb;65(2):177–82 (Eng. Abstr.) **(Pol)**

[Congenital cysts of the extrahepatic bile ducts] Aripov UA, et al. **Khirurgiia (Mosk)** 1981 Oct;(10):32–4 (Eng. Abstr.) **(Rus)**

[Congenital cysts of the biliary tract (review of the literature)] Milonov OB, et al. **Khirurgiia (Mosk)** 1982 Jan;(1):108–14 (78 ref.) **(Rus)**

[Congenital solitary cyst of the liver in a child] Novokreshchenov LB, et al. **Vestn Khir** 1981 Nov; 127(11):92–3 (Eng. Abstr.) **(Rus)**

[Cystic dilatation of the choledochus] Casal EM, et al. **Acta Gastroenterol Latinoam** 1981;11(4):537–9 (Eng. Abstr.) **(Spa)**

[Solitary unilocular hepatic cyst in the newborn infant] Gómez Fraile A, et al. **An Esp Pediatr** 1981 Jun;14(6):454–6 **(Spa)**

[Presternal bronchogenic cysts (author's transl)] Sánchez López-Tello C, et al. **An Esp Pediatr** 1981 Sep;15(3):289–92 (Eng. Abstr.) **(Spa)**

[Choledochal cysts] González JA, et al. **Rev Esp Enferm Apar Dig** 1981 Nov;60(5):497–504 (Eng. Abstr.) **(Spa)**

[Biliary tract abnormalities. Surgical considerations] Rodríguez Montes JA, et al. **Rev Esp Enferm Apar Dig** 1982 Apr;61(4):321–31 (Eng. Abstr.) **(Spa)**

DIAGNOSIS

Duplication cyst of the jejunum. Report of a case. Drott C, et al. **Acta Chir Scand** 1981;147(8):731–3

Lumbar intraspinal ganglion cyst: case reports. Eggert HR, et al. **Acta Neurochir (Wien)** 1981;59(3–4):263–6

Sonographic diagnosis of neonatal meconium cyst. Carroll BA, et al. **AJR** 1981 Dec;137(6):1262–4

Multilocular cystic renal cell carcinoma. Feldberg MA, et al. **AJR** 1982 May;138(5):953–5

Sonography of Nabothian cysts. Fogel SR, et al. **AJR** 1982 May;138(5):927–30

Mesothelial cysts of the spleen with squamous metaplasia. Ough YD, et al. **Am J Clin Pathol** 1981 Nov;76(5):666–9

Newer imaging modalities for the preoperative diagnosis of choledochal cyst. A case report. Klein GM, et al. **Am J Gastroenterol** 1981 Aug;76(2):148–52

Clinical features of idiopathic macular cysts and holes. McDonnell PJ, et al. **Am J Ophthalmol** 1982 Jun; 93(6):777–86

Parathyroid cysts. Rosenberg J, et al. **Am J Surg** 1982 Apr; 143(4):473–80

Colloid cyst of the third ventricle and sudden death. McDonald JA. **Ann Emerg Med** 1982 Jul;11(7):365–7

Desmoplastic malignant melanoma of the upper eyelid. Sutula FC, et al. **Ann Ophthalmol** 1982 Feb;14(2):141–3

Thymic cyst extending into the pericardium: a case report and review of thymic cysts. McCafferty MH, et al. **Ann Thorac Surg** 1982 May;33(5):503–6

Seroma of the auricle. Lapins NA, et al. **Arch Dermatol** 1982 Jul;118(7):503–5

Management of breast cysts: practical procedures. Iseli A. **Aust Fam Physician** 1981 Nov;10(11):899–902

Lipid granuloma of the frontal bone presenting as a space-occupying lesion of the orbit. Raflo GT, et al. **Can J Ophthalmol** 1981 Jul;16(3):153–5

Diagnostic imaging of choledochal cysts. Mettler FA Jr, et al. **Clin Nucl Med** 1981 Nov;6(11):513–8

Demonstration of septa in cystic lesions: comparison study by computed tomography and ultrasound. Araki T, et al. **Clin Radiol** 1982 May 3;33(3):325–9

The presence of a positive pressure gradient from pancreatic duct to choledochal cyst demonstrated by duodenoscopic microtransducer manometry: clue to pancreaticobiliary reflux. Tanaka M, et al. **Endoscopy** 1982 Mar;14(2):45–7

Cyst of the conus medullaris manifesting amyotrophic lateral sclerosis syndrome. Korosue K, et al. **Folia Psychiatr Neurol Jpn** 1981;35(4):507–10

Biloma: aspiration for diagnosis and treatment. Vujic I, et al. **Gastrointest Radiol** 1982;7(3):251–4

Eruptive vellus hair cysts. Watson A. **Int J Dermatol** 1982 Jun;21(5):273–4

Choledochocele: not a form of choledochal cyst. Wearn FG, et al. **J Can Assoc Radiol** 1982 Jun;33(2):110–2

Differential diagnosis of a mass in the upper lateral neck. Solem BS, et al. **J Laryngol Otol** 1981 Oct;95(10):1041–7

Intracerebral cyst due to ectopic choroid plexus: case report. Azzam NI, et al. **J Neurosurg** 1981 Oct;55(4):651–3

Middle fossa arachnoid cysts [letter] Clavel M. **J Neurosurg** 1981 Nov;55(5):853

Diagnosis and treatment of intracordal cysts. Monday LA, et al. **J Otolaryngol** 1981 Oct;10(5):363–70

Splenic cysts: (report of 2 cases and review of the literature). Desai MB, et al. **J Postgrad Med** 1981 Oct;27(4):251–2

Adrenal cysts: diagnosis and treatment. Cheema P, et al. **J Urol** 1981 Sep;126(3):396–9

Large retroperitoneal cysts in children and adolescents. McClellan DS, et al. **J Urol** 1981 Dec;126(6):815–6

Ultrasound demonstration of giant malignant breast cyst undetected by xeromammography. Cooke CG, et al. **JCU** 1981 Oct;9(8):461–2

In utero diagnosis of the Dandy-Walker syndrome: differentiation from extra-axial posterior fossa cyst. Dempsey PJ, et al. **JCU** 1981 Sep;9(7):403–5

Posterior fossa arachnoid cyst demonstrated by ultrasound. Roach ES, et al. **JCU** 1982 Feb;10(2):88–90

Subperiosteal hematic cyst of the orbit. Mund ML. **Ophthalmology (Rochester)** 1981 Sep;88(9):992–6

Subarachnoid cyst simulating an intracanalicular acoustic neuroma. Parnes SM, et al. **Otolaryngol Head Neck Surg** 1981 Nov-Dec;89(6):1019–20

Ultrasonic evaluation of lymphocele formation after staging lymphadenectomy for prostatic carcinoma. Spring DB, et al. **Radiology** 1981 Nov;141(2):479–83

A contribution to the diagnostics of cystic affections of the liver and demonstration of an unusual cystic tumour. Dítě P, et al. **Sb Ved Pr Lek Fak Univ Karlovy** 1981;24(5):577–83

Solitary nonparasitic hepatic cysts. Hyde GL, et al. **South Med J** 1981 Nov;74(11):1357–60

Mixed colloid cysts- xanthogranulomas of the third ventricle. Antunes JL, et al. **Surg Neurol** 1981 Oct;16(4):256–61

Intracranial enterogenous cyst. Giombini S, et al. **Surg Neurol** 1981 Oct;16(4):271–3

Intracranial ciliated neuroepithelial cyst mimicking arachnoid cyst. Markwalder TM, et al. **Surg Neurol** 1981 Dec; 16(6):411–4

Glial cysts of the cerebellum. Vaquero J, et al. **Surg Neurol** 1981 Oct;16(4):288–9

Heterotopic pancreatic tissue in a bronchogenic cyst-diagnosis and therapy. Jaschke W, et al. **Thorac Cardiovasc Surg** 1982 Feb;30(1):58–60

Intratesticular cysts. Takihara H, et al. **Urology** 1982 Jul; 20(1):80–2

[Bronchogenic cyst and the causes of its erroneous diagnosis: an analysis of 50 cases (author's transl)] Zhu SJ. **Chung Hua Chieh Ho Ho Hu Hsi Hsi Chi Ping Tsa Chih** 1981 Mar;4(3):145–6 (Eng. Abstr.) **(Chi)**

[Splenic cysts in children] Macek M, et al. **Rozhl Chir** 1981 Oct;60(10):665–9 (Eng. Abstr.) **(Cze)**

[Large benign growths in the abdomen in children] Tecl F, et al. **Rozhl Chir** 1980 Jul;59(7):436–9 (Eng. Abstr.) **(Cze)**

[A patient with a non-parasitic splenic cyst] Gerritsen JJ, et al. **Ned Tijdschr Geneeskd** 1981 Aug 25;125(35):1421–4 (Eng. Abstr.) **(Dut)**

[Cystic dilatation of the biliary ducts. Role of the different radiological investigations. Three case reports (author's transl)] Stefani P, et al. **Ann Radiol (Paris)** 1982 Apr-May; 25(4):244–8 (Eng. Abstr.) **(Fre)**

[Ultrasonography and cyst of the breast (author's transl)] Rombaut M. **J Belge Radiol** 1981;64(6):479–85 (Eng. Abstr.) **(Fre)**

[Suprarenal cysts. Diagnostic value of percutaneous puncture guided by echoscopy (author's transl)] Matter D, et al. **J Radiol** 1982 Mar;63(3):219–21 (Eng. Abstr.) **(Fre)**

[Isolated biliary cystadenoma of the liver] Mordy M, et al. **Med Chir Dig** 1981;10(8):703–5 (Eng. Abstr.) **(Fre)**

[Differential diagnosis of cystic liver diseases] Gerometta P, et al. **Aktuel Probl Chir Orthop** 1982;23:52–5 **(Ger)**

[Differential diagnostic possibilities of the liver and bile duct cysts (author's transl)] Farkas I, et al. **Dtsch Z Verdau Stoffwechselkr** 1981;41(5):225–34 (48 ref.) (Eng. Abstr.) **(Ger)**

[Classification of parotid cysts. Differential diagnosis of salivary duct cysts and lymphoepithelial cysts] Seifert G, et al. **Laryngol Rhinol Otol (Stuttg)** 1982 Feb;61(2):78–86 (Eng. Abstr.) **(Ger)**

[Possibilities for the diagnosis of postoperative lymph cysts] Wagner H, et al. **Med Welt** 1982 Feb 12;33(6):226–7 **(Ger)**

[Choledochocele and Intraduodenal Diverticulum (author's transl)] Miederer SE, et al. **Praxis** 1981 Nov 10; 70(46):2068–76 (Eng. Abstr.) **(Ger)**

[Value of ultrasonic testing and sonographic differential diagnosis in mammary cysts] Kleedorfer D, et al. **Rontgenblatter** 1982 Aug;35(8):287–94 (Eng. Abstr.) **(Ger)**

[Fat cyst-rare form of cystic mammary alteration (author's transl)] Kretzschmar U, et al. **Zentralbl Gynakol** 1982; 104(6):364–7 (Eng. Abstr.) **(Ger)**

[Ultrasound in the diagnosis of popliteal cyst descending into the calf] Halperin N, et al. **Harefuah** 1981 Jun 15; 100(12):575–6 (Eng. Abstr.) **(Heb)**

[Non-parasitic splenic cyst in childhood] Pásztor J, et al. **Orv Hetil** 1981 Oct 11;122(41):2553–4 **(Hun)**

[Dysontogenetic cysts of the liver: description of a clinical case] Tinozzi S, et al. **Chir Ital** 1981 Dec;33(6):1218–25 **(Ita)**

[Echography in the diagnosis of perirenal and pararenal masses] Amici F, et al. **Minerva Urol** 1981 Oct-Dec; 33(4):267–70 (Eng. Abstr.) **(Ita)**

[Scrotum transillumination: method and results (author's transl)] Di Maggio C, et al. **Radiol Med (Torino)** 1981 Oct; 67(10):733–7 (Eng. Abstr.) **(Ita)**

[Two cases of calcifying splenic cyst (author's transl)] Yagi M, et al. **Nippon Geka Hokan** 1981 Jul 1;50(4):615–25 (Eng. Abstr.) **(Jpn)**

[Ultrasound diagnosis of choledochal cysts] Nordshus T, et al. **Tidsskr Nor Laegeforen** 1981 Oct 20;101(29):1643–4 (Eng. Abstr.) **(Nor)**

[Splenic cysts] Thorvaldson J, et al. **Tidsskr Nor Laegeforen** 1981 Oct 20;101(29):1641–3 (Eng. Abstr.) **(Nor)**

[Pneumocranium] Jegliński T. **Otolaryngol Pol** 1981; 35(3):275–9 (Eng. Abstr.) **(Pol)**

[Diagnostic difficulties in a case of a perihepatic pseudocyst] Machalski M, et al. **Wiad Lek** 1982 Jan 1;35(1):51–4 (Eng. Abstr.) **(Pol)**

[Large non-parasitic liver cyst] Szymonajtys A, et al. **Wiad Lek** 1981 Jun 15;34(12):1013–6 (Eng. Abstr.) **(Pol)**

[Inflammatory tumors of the abdominal cavity] Torgunakov AP, et al. **Khirurgiia (Mosk)** 1981 Nov;(11):94–5 **(Rus)**

[Stomach cysts] Iaremchuk AIa. **Klin Khir** 1981 Aug;(8):76–7 **(Rus)**

[Diagnostic difficulties in congenital cyst of the distal portion of the common bile duct complicated by an external biliary fistula] Radzikhovskii AP, et al. **Klin Khir** 1981 Sep;(9):59 **(Rus)**

[Benign tumors and cysts of the diaphragm] Vagner EA, et al. **Sov Med** 1981;(9):120–2 **(Rus)**

[Giant air cyst of the lung simulating spontaneous pneumothorax] Kolomiets AIa, et al. **Vestn Khir** 1982 Mar; 128(3):96–7 **(Rus)**

[Adrenal gland cyst] Gotovac J, et al. **Acta Chir Iugosl** 1982; 29(1):79–85 (Eng. Abstr.) **(Scr)**

[Adrenal pseudocyst] Batlle Meler G, et al. **Arch Esp Urol** 1982 Mar-Apr;35(2):131–8 (Eng. Abstr.) **(Spa)**

DRUG THERAPY

[92 case observation of late curative effect on treatment of cysts and fistulae by means of application of trichloroacetic acid (author's transl)] Zhou YC. **Chung Hua Kou Chiang Ko Tsa Chih** 1981 Jun;16(2):119–20 **(Chi)**

EMBRYOLOGY

Cysts in rabbit foetal brains. Malformation or artefacts? Joosten HF, et al. **Arch Toxicol** 1981 Mar;47(1):25–37

Thymic cyst of the neck. Baroudi IF, et al. **Plast Reconstr Surg** 1982 Aug;70(2):230–2

[Canals and dysembryoplastic cysts of the genitoperineal raphe] Dupré A, et al. **Ann Dermatol Venereol** 1982; 109(1):81–4 **(Fre)**

[Cysts of the nasal vestibule (author's transl)] Watanuki K, et al. **Nippon Jibiinkoka Gakkai Kaiho** 1981 Jul; 84(7):721–30 (Eng. Abstr.) **(Jpn)**

ENZYMOLOGY

Cytochemical investigations of phagocytes in thyroid gland cysts. Budde R, et al. **Anal Quant Cytol** 1982 Mar; 4(1):25–32

ETIOLOGY

Evolution of porencephalic cysts from intraparenchymal hemorrhage in neonates: sonographic evidence. Grant EG, et al. **AJR** 1982 Mar;138(3):467–70

Neonatal posthemorrhagic porencephaly: ultrasonographic features. Donn SM, et al. **Am J Dis Child** 1982 Aug; 136(8):707–9

Pilocytic astrocytoma of the optic nerve with hemorrhage and extreme cystic degeneration. Charles NC, et al. **Am J Ophthalmol** 1981 Nov;92(5):691–5

Cystic adventitial disease of the popliteal artery. Clinical aspects and etiology. Lassonde J, et al. **Am Surg** 1982 Jul; 48(7):341–3

Pseudocysts of the pancreas involving the spleen. Slater G, et al. **Am Surg** 1982 Jul;48(7):324–5

'The choledocho-pancreatic long common channel disorders' in relation to the etiology of congenital biliary dilatation and other biliary tract disease. Miyano T, et al. **Ann Acad Med Singapore** 1981 Oct;10(4):419–26

Post-gonococcal prostatic cyst: an unusual abdominal mass. Bucknall TE, et al. **Br J Urol** 1981 Oct;53(5):476

Endoscopic retrograde cholangiography in a case of biliary pseudocyst. Novis BH, et al. **Endoscopy** 1982 Jan;14(1):24–5

Ascitic pseudocyst obstructing superior vena cava as a complication of a peritoneo-venous shunt. Unger P, et al. **Gastroenterology** 1981 Dec;81(6):1137–9

An unusual complication of renal biopsy. Rathi AK, et al. **Indian Pediatr** 1981 Apr;18(4):259–60

Popliteal cyst rupture in SLE—superior rupture and an infected calf cyst [letter] Smith DL, et al. **J Rheumatol** 1981 May-Jun;8(3):518–9

Epithelial cyst of anterior segment following cataract surgery. Sanborn GE, et al. **Ophthalmologica** 1981; 183(4):221–4

Posttraumatic parotid pseudocyst with hyperamylasemia. Westreich M, et al. **Plast Reconstr Surg** 1982 Jun; 69(6):1002–6

Spontaneous urinoma with peripheral neuropathy. Kogan J. **Postgrad Med** 1982 Feb;71(2):103–5, 108

Thymic cysts following radiation therapy for Hodgkin disease. Baron RL, et al. **Radiology** 1981 Dec;141(3):593–7

Chest wall 'pneumoma': a hitherto unreported clinical entity. Banerjee, et al. **Thorax** 1982 May;37(5):388–9

[Traumatic sialocele of the parotid gland. Observations with reference to a case] van der Wal KG, et al. **Acta Stomatol Belg** 1982;79(1):65–73 (Eng. Abstr.) **(Dut)**

[Acute arachnoid cysts in traumatic vertebro–medullary pathology (author's transl)] Chabannes J, et al. **Neurochirurgie** 1981;27(2):115–20 (Eng. Abstr.) **(Fre)**

[The post–traumatic biliary cyst (author's transl)] Stellamor K, et al. **Rontgenblatter** 1982 Apr;35(4):155–7 (Eng. Abstr.) **(Ger)**

[A contribution to the problem of correlation between anomalous configuration (hypoplasia) of the circle of Willis and porencephaly (author's transl)] Feist H. **Zentralbl Allg Pathol** 1982;126(1–2):91–4 **(Ger)**

[A case of post–traumatic cyst of the semitendinous muscle] Campi A. **Chir Organi Mov** 1979 Sep–Oct;65(5):593–6 **(Ita)**

[Cyst of the anterior duodenal wall associated with polycystic kidney] Głuszek S, et al. **Wiad Lek** 1981 Mar 1;34(5):407–9 (Eng. Abstr.) **(Pol)**

FAMILIAL & GENETIC

Possible autosomal–recessive ocular coloboma. Pagon RA, et al. **Am J Med Genet** 1981;9(3):189–93

Zellweger syndrome. Lenticular opacities indicating carrier status and lens abnormalities characteristic of homozygotes. Hittner HM, et al. **Arch Ophthalmol** 1981 Nov; 99(11):1977–82

Dandy–Walker syndrome in consecutive siblings: familial hindbrain malformation. Lehman RM. **Neurosurgery** 1981 Jun;8(6):717–9

Arachnoid cyst of the middle cranial fossa: report of bilateral cysts in siblings. Handa J, et al. **Surg Neurol** 1981 Aug; 16(2):127–30

METABOLISM

Polycystic liver disease: a study of cyst fluid constituents. Patterson M, et al. **Hepatology** 1982 Jul–Aug;2(4):475–8

Comparative studies on a heat–stable cholesterol–binding protein in dental cyst fluid and serum. Higuchi K, et al. **Int J Biochem** 1981;13(7):777–82

MICROBIOLOGY

Septic retinal cyst in endogenous Klebsiella endophthalmitis [letter] Sipperley JO, et al. **Am J Ophthalmol** 1982 Jul; 94(1):124–5

PATHOLOGY

Intracerebral arachnoidal cyst containing choroid plexus. Case report. Iglesias JR, et al. **Acta Neurochir (Wien)** 1981; 58(3–4):229–34

Bronchiolo–alveolar adenocarcinoma with multiple cysts. Imai S, et al. **Acta Pathol Jpn** 1982 Jul;32(4):677–82

Cystic parathyroid gland hyperplasia—hyperparathyroidism presenting as a neck mass. Fallon MD, et al. **Am J Clin Pathol** 1982 Jan;77(1):104–7

Clear cell carcinoma in a Müllerian duct cyst. Novak RW, et al. **Am J Clin Pathol** 1981 Sep;76(3):339–41

Eruptive vellus hair cysts in a Japanese adult [letter] Okamoto H, et al. **Arch Dermatol** 1982 Aug;118(8):537–8

Pathologic quiz case 2: oncocytic cyst. Fechner RE. **Arch Otolaryngol** 1981 Dec;107(12):776–9

Cancer in cystic lesions of the thyroid. Hammer M, et al. **Arch Surg** 1982 Aug;117(8):1020–3

Primary retroperitoneal cysts: report of an unusual case and a survey of the literature. Procter CD, et al. **Arch Surg** 1982 Aug;117(8):1089–93

Histomorphology of idiopathic and symptomatic popliteal cysts. Rauschning W, et al. **Clin Orthop** 1982 Apr; (164):306–11

Single bifid ectopic left ureter presenting clinically as a vaginal cyst. Kjaeldgaard A, et al. **Diagn Gynecol Obstet** 1981 Winter;3(4):321–4

Cysts (large follicles) and colloid in pituitary glands. Benjamin M. **Gen Comp Endocrinol** 1981 Dec;45(4):425–45 (108 ref.)

Surface cells and inclusion cysts in fetal ovaries. Blaustein A. **Gynecol Oncol** 1981 Oct;12(2 Pt 1):222–33

Mucous cysts of the vulvar vestibule. Oi RH, et al. **Hum Pathol** 1982 Jun;13(6):584–6

Cysts of the vulva and vagina: a comparative study. Junaid TA, et al. **Int J Gynaecol Obstet** 1981 Jun;19(3):239–43

Pheomycotic cyst in an immunosuppressed host. Fathizadeh A, et al. **J Am Acad Dermatol** 1981 Oct;5(4):423–7

Epidermal inclusion cyst of the hallux. Jones RO. **J Am Podiatry Assoc** 1982 Feb;72(2):92–3

Epidermal inclusion cyst of the meniscus. Case report. Strauchen JA, et al. **J Bone Joint Surg [Am]** 1982 Feb; 64(2):290

Enterogenous cyst of the fourth ventricle [letter] **J Neurosurg** 1982 Apr;56(4):604–5

Ganglion cyst of the spinal canal. Case report. Maresca L, et al. **J Neurosurg** 1982 Jul;57(1):140–2

A wandering cystic spleen. Spencer GR. **J R Coll Surg Edinb** 1982 May;27(3):183–5

Cervical thymic cyst. Nussbaum M, et al. **Mt Sinai J Med (NY)** 1982 Jan–Feb;49(1):27–8

Arachnoid cysts—report of two adult cases in the interhemispheric fissure and over the cerebral convexity. Matsuda M, et al. **Neurol Med Chir (Tokyo)** 1982 Jan; 22(1):71–6

Supratentorial subarachnoid epithelial cyst: case report and ultrastructural study. Pearl GS, et al. **Neurosurgery** 1982 Jul;11(1 Pt 1):48–51

Parasagittal arachnoid cyst: case report. Rengachary SS. **Neurosurgery** 1981 Jul;9(1):70–5

Squamous epithelial implantation cyst of the iris. Eiferman RA, et al. **Ophthalmology (Rochester)** 1981 Dec; 88(12):1281–5

Epithelial implantation cyst of the iris. Farmer SG, et al. **Ophthalmology (Rochester)** 1981 Dec;88(12):1286–9

Cysts and nonlymphomatous tumors of the spleen. Garvin DF, et al. **Pathol Annu** 1981;16 Pt 1:61–80

Paraventricular cerebral cyst in an infant. Takeshita M, et al. **Surg Neurol** 1982 Feb;17(2):123–6

The odontogenic keratocyst. A Clinicopathologic study of 18 cases. Chiang CP. **Taiwan I Hsueh Hui Tsa Chih** 1982 Mar;81(3):414–20

Bilateral dysgenetic polycystic parotid glands. Morphological analysis and differential diagnosis of a rare disease of the salivary glands. Seifert G, et al. **Virchows Arch [Pathol Anat]** 1981;390(3):273–88

Calcified omental cyst: a case report and review of literature. Agha FP. **W Va Med J** 1981 Oct;77(10):260–1 (14 ref.)

The malignant potential of mucinous cysts of the pancreas. Logan SE, et al. **West J Med** 1982 Feb;136(2):157–62

[Detection and diagnosis of tumours f the central nervous system by cytological study of cerebrospinal and tumoral cyst fluid (author's transl)] Pfister A, et al. **Arch Anat Cytol Pathol** 1981;29(5):295–303 (Eng. Abstr.) **(Fre)**

[Mycotic cysts. A histopathologic study] Ravisse P, et al. **Bull Soc Pathol Exot Filiales** 1981 Jan–Feb;74(1):46–54 (Eng. Abstr.) **(Fre)**

[Non–parasitic cysts of the spleen: report on two cases and ultrastructural findings in one of them (author's transl)] Chasle J, et al. **J Chir (Paris)** 1981 Nov;118(11):655–61 (Eng. Abstr.) **(Fre)**

[Sudden death in children and adolescents, carriers of an unrecognized cystic medionecrosis of the aorta] Fête R, et al. **Schweiz Med Wochenschr** 1981 Nov 28; 111(48):1829–33 (Eng. Abstr.) **(Fre)**

[The lateral cervical cyst as a cystic lesion of a lymph node (author's transl)] Stoll W, et al. **Laryngol Rhinol Otol (Stuttg)** 1982 May;61(5):272–5 (Eng. Abstr.) **(Ger)**

[Baker's cyst—disease or symptom?] Kaminski M. **Praxis** 1981 Oct 6;70(41):1795–9 (Eng. Abstr.) **(Ger)**

[2 cases of hepato–renal polycystic disease in the adult] Cavaliere A, et al. **Arch De Vecchi Anat Patol** 1980 Nov; 64(2):281–91 **(Ita)**

[Scanning electron microscopic study on various lesions of oral mucosa and oral cysts—with special reference to surface morphology of epithelial cells (author's transl)] Nagata M. **Igaku Kenkyu** 1981 Mar;51(1):1–23 (Eng. Abstr.) **(Jpn)**

[Clinicopathological study of the arachnoid cyst (author's transl)] Tsuda T, et al. **Neurol Med Chir (Tokyo)** 1981 May; 21(5):501–9 (Eng. Abstr.) **(Jpn)**

[A case report of colitis cystica profunda (author's transl)] Morise K, et al. **Nippon Shokakibyo Gakkai Zasshi** 1981 May;78(5):1113–6 **(Jpn)**

[Changes of cystic duct on the gall stone disease (author's transl)] Sasaki K, et al. **Nippon Shokakibyo Gakkai Zasshi** 1981 Apr;78(4):902–8 (Eng. Abstr.) **(Jpn)**

[Diagnosis of extradural arachnoidal cysts] Paramonov LV, et al. **Sov Med** 1981;(10):98–101 **(Rus)**

[Adenolymphocele] Alekseenko AV, et al. **Vestn Khir** 1982 May;128(5):62 **(Rus)**

[Giant adrenal pseudocyst] Zhenchevskiĭ RA. **Vestn Khir** 1982 Apr;128(4):81–2 **(Rus)**

[Pathomorphology of nontumorous cerebellar cysts] Al'perovich PM, et al. **Vrach Delo** 1982 Jan;(1):92–5 (Eng. Abstr.) **(Rus)**

[Porencephalic cyst. Report of a case and considerations on its etiology and pathogenesis] Escobar A, et al. **Gac Med Mex** 1982 Mar;118(3):105–10 **(Spa)**

[Proliferating trichilemmal cyst. Apropos of a case] Bordas X, et al. **Med Cutan Iber Lat Am** 1981;9(5):369–76 (Eng. Abstr.) **(Spa)**

PHYSIOPATHOLOGY

Cystic adventitial disease. Terry JD, et al. **Hum Pathol** 1981 Jul;12(7):639–42

RADIOGRAPHY

Secondary calcified splenic cyst. Report of a case. Sandermann J. **Acta Chir Scand** 1981;147(8):725–7

Intraspinal arachnoid cysts. Agnoli AL, et al. **Acta Neurochir (Wien)** 1982;61(4):291–302

Cerebral space–occupying cysts following radiation and chemotherapy of malignant gliomas. Volc D, et al. **Acta Neurochir (Wien)** 1981;57(3–4):177–93

Dense cystic craniopharyngiomas. Braun IF, et al. **AJNR** 1982 Mar–Apr;3(2):139–41

Intraventricular noncolloid neuroepithelial cysts. New PF, et al. **AJNR** 1981 Nov–Dec;2(6):569–76

Nonneoplastic breast calcifications in lipid cysts: development after excision and primary irradiation. Bassett LW, et al. **AJR** 1982 Feb;138(2):335–8

Radiological case of the month: ileal atresia with meconium peritonitis: meconium pseudocyst. Boedecker RA, et al. **Am J Dis Child** 1982 Aug;136(8):741–2

X–ray study of the month: laryngeal cyst. Goldman NC. **Ann Otol Rhinol Laryngol** 1981 Sep–Oct;90(5 Pt 1):522–3

Demonstration of choledochal cyst by computed tomography. Cholankeril JV, et al. **Comput Radiol** 1982 Mar–Apr;6(2):109–14

The computed tomographic appearance of colloid cysts. Akkaraju V, et al. **CT** 1982 Apr;6(1):26–9

Radiographic diagnosis of tonsillar cyst presenting as dysphagia. Twigg HL, et al. **Gastrointest Radiol** 1981; 6(4):305–6

Multiple cystic lesions of the lung. Ohsaki Y, et al. **Hokkaido Igaku Zasshi** 1981 Nov;56(6):597–600

Nonparasitic cysts of the spleen: report of 2 cases. Blomme G, et al. **J Belge Radiol** 1981;64(2):199–203

Postsurgical calcified pseudocyst of the lumbar spine. Carollo C, et al. **J Comput Assist Tomogr** 1982 Jun;6(3):627–9

Thymic cyst. Gouliamos A, et al. **J Comput Assist Tomogr** 1982 Feb;6(1):172–4

Unusual radiological manifestations of acquired pulmonary cysts in children. Wallace LS, et al. **JAMA** 1982 Jul 2; 248(1):85–7

Spinal arachnoid cysts: clinical and radiological correlation with prognosis. Kendall BE, et al. **Neuroradiology** 1982; 22(5):225–34

Computed tomography of 'cystic' intramedullary lesions. Pullicino P, et al. **Neuroradiology** 1982;23(3):117–21

Radiologic problem of the month: mass within the cavity of the lung. Subbarao K. **NY State J Med** 1982 Jun; 82(7):1054

Pitfalls in the diagnosis of hepatic cysts by computed tomography. Barnes PA, et al. **Radiology** 1981 Oct; 141(1):129–33

Computed tomography of retroperitoneal fluid collections. Alexander ES, et al. **Semin Roentgenol** 1981 Oct; 16(4):268–76

CT scan and metrizamide CT cisternography in arachnoid cysts of the middle cranial fossa: classification and pathophysiological aspects. Galassi E, et al. **Surg Neurol** 1982 May;17(5):363–9

Spinal intradural arachnoid cyst. Galzio RJ, et al. **Surg Neurol** 1982 May;17(5):388–91

Arachnoid cysts of the posterior fossa. Vaquero J, et al. **Surg Neurol** 1981 Aug;16(2):117–21

Immediate traumatic pulmonary pseudocyst formation in children. Blane CE, et al. **Surgery** 1981 Nov;90(5):872–5

CT demonstration of perirenal lymphatic cysts. De Maeyer P, et al. **Urol Radiol** 1982;4(1):29–31

[Misdiagnosis in 31 cases of bronchopulmonary cyst (author's transl)] Liu HW. **Chung Hua Chieh Ho Ho Hu Hsi Hsi Chi Ping Tsa Chih** 1981 Aug;4(4):227–9 (Eng. Abstr.) **(Chi)**

[Arachnoid cyst of the posterior cranial fossa (author's transl)] Xie ZX, et al. **Chung Hua I Hsueh Tsa Chih** 1981 Jul;61(7):402–3 (Eng. Abstr.) **(Chi)**

[The survey of the idiopathic cystic dilatations of the common bile duct by cholangiopancreatography (author's transl)] Dunham F, et al. **Acta Gastroenterol Belg** 1981 May–Jun;44(5–6):274–83 (Eng. Abstr.) **(Fre)**

[What is your diagnosis? Intrapulmonary bronchogenic cyst] Meyer P, et al. **Pediatrie** 1982 Mar;37(2):143–6 **(Fre)**

[Cystic vascular wall degeneration] Marshall M. **MMW** 1982 Apr 23;124(16):81–2 **(Ger)**

[Radiologically 'cyst–like' bone defects of the mandible (author's transl)] Rink B. **Radiol Diagn (Berl)** 1981; 22(3):392–7 (Eng. Abstr.) **(Ger)**

[Radiological diagnosis and differential diagnosis of diseases of the thymus in children (author's transl)] Danilewicz–Wytrychowska T. **Radiologe** 1981 Nov; 21(11):542–6 (Eng. Abstr.) **(Ger)**

[The Baker's cyst – a diagnostic problem? (author's transl)] Meydam K. **Radiologe** 1981 Dec;21(12):578–84 (Eng. Abstr.) **(Ger)**

[Cystic degeneration of the popliteal artery: a case report] Appel WH, et al. **ROFO** 1981 Aug;135(2):243–5 **(Ger)**

[CT cisternography and CT ventriculography of intracranial cyst in children (author's transl)] Nakamura S, et al. **No Shinkei Geka** 1981 May;9(6):717–24 (Eng. Abstr.) **(Jpn)**

[Radiological aspects of periradicular cysts and meningeal diverticula in the lumbosacral segment (author's transl)] Gajewicz M, et al. **Pol Przegl Radiol** 1981 Mar–Apr; 45(2):77–80 (Eng. Abstr.) **(Pol)**

[X–ray computed tomography: a contribution to the diagnosis of liver cysts] Paczyński A, et al. **Wiad Lek** 1982 May 1; 35(3–4):237–40 **(Pol)**

RADIONUCLIDE IMAGING

Technetium 99m–diethyl–IDA hepatobiliary scintigraphy in the pre–operative diagnosis of choledochal cyst. Paramsothy M, et al. **Br J Radiol** 1981 Dec;54(648):1104–7

Rapid thyroid enlargement: intracystic hemorrhage. Massie

JD, et al. **Clin Nucl Med** 1981 Dec;6(12):583

Choledochal cyst complicated by acute cholecystitis and bypass obstruction: diagnostic role of Tc-99m-HIDA cholescintigraphy. Weissmann HS, et al. **Clin Nucl Med** 1981 Sep;6(9):395-8

Intravenous cholescintigraphy using Tc-99m-labeled agents in the diagnosis of choledochal cyst. Huang MJ, et al. **J Nucl Med** 1982 Feb;23(2):113-6

[Cholescintigraphic study in hepatic cyst. A case report (author's transl)] Wang TH, et al. **Taiwan I Hsueh Hui Tsa Chih** 1981 May;80(5):537-41 (Eng. Abstr.) **(Chi)**

[A case of choledochal cyst in the hepatobiliary scintigraphy (author' transl)] Otsuka E, et al. **Rinsho Hoshasen** 1982 Jan; 27(1):165-6 **(Jpn)**

[Scintigraphy of multiple hepatorenal cysts] Otsuka E, et al. **Rinsho Hoshasen** 1982 Mar;27(3):405-5 **(Jpn)**

[Choledochal cyst. Diagnosis and development using 99m-Tc HIDA] Guitián Iglesias R, et al. **Rev Clin Esp** 1981 Dec 15;163(5):359-52 **(Spa)**

SECONDARY

Urinoma formation secondary to tumor obstruction of the ureter. Cricco RP, et al. **W Va Med J** 1980 Dec; 76(12):311-4

SURGERY

Bile duct cysts. Experience with 15 patients. Nunez-Hoyo M, et al. **Am J Surg** 1982 Sep;144(3):295-9

Hepaticoduodenostomy at the hepatic hilum after excision of choledochal cyst. Todani T, et al. **Am J Surg** 1981 Nov; 142(5):584-7

Surgical aspect ot cystic dilatation of the bile duct. An anomalous junction of the pancreaticobiliary tract in adults. Ono J, et al. **Ann Surg** 1982 Feb;195(2):203-8

Spontaneous nonpigmented iris cyst. Rush JA, et al. **Arch Ophthalmol** 1982 Feb;100(2):304-5

Argon laser photocoagulation treatment of iris cysts following penetrating keratoplasty. Scholz RT, et al. **Arch Ophthalmol** 1982 Jun;100(6):926-7

Treatment of styes and meibomian cysts. Practical procedures. Hudson RL. **Aust Fam Physician** 1981 Sep; 10(9):714-5, 717

Partial excision and drainage of post-traumatic splenic cysts. Millar JS. **Br J Surg** 1982 Aug;69(8):477-8

Third ventricular tumors. Stein BM. **Clin Neurosurg** 1980; 27:315-31

Management of epithelial ingrowth and cysts. Stark WJ. **Dev Ophthalmol** 1981;5:64-73

Endoscopic incision of choledochal cysts (choledochocele). Siegel JH, et al. **Endoscopy** 1981 Sep;13(5):200-2

Regression of biliary cirrhosis following choledochal cyst drainage. Yeong ML, et al. **Gastroenterology** 1982 Feb; 82(2):332-5

Needle aspiration of solitary cystic thyroid nodule: a practical method of treatment. Promtatvethi V, et al. **J Med Assoc Thai** 1982 Mar;65(3):125-8

Giant cyst of the septum pellucidum: case report. Garza-Mercado R. **J Neurosurg** 1981 Oct;55(4):646-50

Intramedullary enterogenous cyst of the spinal cord. Case report. Kwok DM, et al. **J Neurosurg** 1982 Feb;56(2):270-4

Removal of splenic cyst with salvage of functional splenic tissue. Sink JD, et al. **J Pediatr** 1982 Mar;100(3):412-4

Supratentorial extracerebral cysts of the middle cranial fossa. A report of 23 consecutive cases of the so-called temporal lobe agenesis syndrome. Mayr U, et al. **Neurochirurgia (Stuttg)** 1982 Mar;25(2):51-6

Spinal intradural arachnoid cysts. Pau A, et al. **Neurochirurgia (Stuttg)** 1982 Jan;25(1):19-21

Intracranial developmental cysts in children: treatment by cystoperitoneal shunting. Stein SC. **Neurosurgery** 1981 Jun; 8(6):647-50

Microwave tissue coagulation in partial splenectomy for non-parasitic splenic cyst. Tabuse K, et al. **Nippon Geka Hokan** 1981 Sep 1;50(5):711-7

Intra-operative real-time ultrasonic guidance of intracranial shunt tube placement in infants. Shkolnik A, et al. **Radiology** 1982 Aug;144(3):573-6

Parathyroid cysts: report of three cases and review of the literature. Nel CJ, et al. **S Afr J Surg** 1981 Jun;19(2):107-11

Popliteal entrapment and adventitial cystic disease. Rich NM. **Surg Clin North Am** 1982 Jun;62(3):449-65

Transhepatic decompression of the biliary tree in Caroli's disease. Witlin LT, et al. **Surgery** 1982 Feb;91(2):205-9

Pneumonectomy for massive ventilated lung cysts. Bateman ED, et al. **Thorax** 1981 Jul;36(7):554-6

[Surgical treatment of a haemophilic cyst (author's transl)] Simeček O, et al. **Acta Chir Orthop Traumatol Cech** 1981 Aug;48(4):324-9 (Eng. Abstr.) **(Cze)**

[Choledochal cysts type I. Two cases treated with either Roux-en-Y anastomosis or anatomical reconstruction] Egedorf J, et al. **Ugeskr Laeger** 1981 Mar 16;143(12):755-6 (Eng. Abstr.) **(Dan)**

[Must third ventricle colloidal cysts be resected? (author's transl)] Creissard P, et al. **Neurochirurgie** 1981;27(4):225-8 (Eng. Abstr.) **(Fre)**

[Intrasellar abscess into a cyst of the Rathke's pouch (authors' translation)] Gomez Perun J, et al. **Neurochirurgie** 1981; 27(3):201-5 (Eng. Abstr.) **(Fre)**

[Bronchogenic cysts. A clinical and regional lung function study before and after surgery (author's transl)] Gonda S, et al. **Rev Fr Mal Respir** 1982;10(2):101-14 (Eng. Abstr.) **(Fre)**

[Pseudocyst of the omentum as result of a torsion (author's transl)] Kraeft H, et al. **Monatsschr Kinderheilkd** 1981 Aug; 129(8):478 (Eng. Abstr.) **(Ger)**

[Diagnosis and surgical treatment of choledochus cysts] Baldauf K, et al. **Z Arztl Fortbild (Jena)** 1982 Jan 1; 76(1-2):37-40 **(Ger)**

[Operative procedure in choledochal cysts (author's transl)] Angerpointner TA, et al. **Z Kinderchir** 1981 Mar; 32(3):291-4 (Eng. Abstr.) **(Ger)**

[Solitary nonparasitic cysts of the liver in childhood (author's transl)] Feller AM, et al. **Z Kinderchir** 1981 Apr;32(4):321-8 (Eng. Abstr.) **(Ger)**

[Splenic cysts. Case-reports and review of literature (author's transl)] Baer U, et al. **Zentralbl Chir** 1982;107(2):87-93 (Eng. Abstr.) **(Ger)**

[A case of intraneural cystic ganglion of the external sciatico-popliteal nerve] Catalano F, et al. **Arch Putti Chir Organi Mov** 1981;31:425-31 (Eng. Abstr.) **(Ita)**

[Problems of surgical tactics in monolateral nodular lesions] Abate S, et al. **Minerva Chir** 1982 Mar 15;37(5):481-4 **(Ita)**

[Unilocular solitary cyst of the liver. Considerations on a case] Boltri F, et al. **Minerva Chir** 1981 Aug 15-31; 36(15-16):1029-34 **(Ita)**

[Cystic dilatation of the common bile duct] Capuano N, et al. **Minerva Chir** 1982 Apr 15;37(7):669-78 **(Ita)**

[Multiple non-parasitic cysts of the liver. Diagnostic considerations. Clinical case report] Donadio F, et al. **Minerva Chir** 1981 Oct 31;36(20):1345-50 **(Ita)**

[Several cases of surgically-treated pleuropericardial cysts] Vigada G, et al. **Minerva Chir** 1981 Sep 30;36(18):1157-60 **(Ita)**

[Suprasellar arachnoid cyst--report of a case (author's transl)] Takahashi T, et al. **No Shinkei Geka** 1982 Apr; 10(4):435-41 (Eng. Abstr.) **(Jpn)**

[Inclusion cyst of the iris] Buznă E. **Rev Chir [Oftalmol]** 1981 Oct-Dec;25(4):311-4 (Eng. Abstr.) **(Rum)**

[Surgical treatment of adrenal gland cysts] Bregadze IL, et al. **Khirurgiia (Mosk)** 1981 Aug;(8):47-9 (Eng. Abstr.) **(Rus)**

[Treatment experience with retrorectal cysts] Kandelis BL, et al. **Vestn Khir** 1981 Jul;127(7):40-2 **(Rus)**

[Multichamber cyst of the retroperitoneal space] Tiulenev VV, et al. **Vestn Khir** 1981 Dec;127(12):86-7 **(Rus)**

THERAPY

[Intraocular implantation and growth of epithelium (author's transl)] Xu TS. **Chung Hua Yen Ko Tsa Chih** 1981 May; 17(3):178-80 **(Chi)**

[Formol treatment of a palpebral epithelial cyst in Stevens-Johnson syndrome] Haut J, et al. **Bull Soc Ophtalmol Fr** 1982 Jan;82(1):13-4 **(Fre)**

[Therapy of large postpneumonic tension cavities (pneumatoceles) (author's transl)] Zimmermann H, et al. **Monatsschr Kinderheilkd** 1981 Nov;129(11):637-9 (Eng. Abstr.) **(Ger)**

[Therapy of thyroid cysts with fine needle aspiration] Galvan G, et al. **Schweiz Med Wochenschr** 1982 Jun 26; 112(26):926-30 (Eng. Abstr.) **(Ger)**

[Mammary cysts and their treatment by puncture] Walther M, et al. **Schweiz Med Wochenschr** 1981 Oct 3; 111(40):1468-74 (Eng. Abstr.) **(Ger)**

[Efficacy of the treatment of euthyroid thyroid cysts with thyroid hormones] Reske W, et al. **Z Arztl Fortbild (Jena)** 1981 May 15;75(10):458-60 **(Ger)**

[Use of ultrasound and laser radiation to treat suppurating epithelial passages and cysts of the sacrococcygeal area] Iaremchuk AIa, et al. **Vestn Khir** 1982 Apr;128(4):64-6 **(Rus)**

ULTRASTRUCTURE

Colloid cyst of the third ventricle. A scanning and transmission electron microscopic study. Leech RW, et al. **J Neurosurg** 1982 Jul;57(1):108-13

VETERINARY

Granulomatous myositis in association with Sarcocystis sp. infection in wild ducks. Wobeser G, et al. **Avian Dis** 1982 Apr-Jun;26(2):412-8

Interrelationships between production and reproductive diseases in holstein cows. Path analysis. Erb HN, et al. **J Dairy Sci** 1981 Feb;64(2):282-9

Interrelationships between production and reproductive diseases in Holstein cows. Conditional relationships between production and disease. Erb HN, et al. **J Dairy Sci** 1981 Feb;64(2):272-81

Polycystic liver in four white-tailed deer. Picone J, et al. **J Wildl Dis** 1981 Jul;17(3):395-400

Cyst formation in mesosalpinx, mesovarium and fimbria in cows and sows. Tsumura I, et al. **Nippon Juigaku Zasshi** 1982 Feb;44(1):1-8

Common occurrence of urethral cysts in older female ranch mink. Hadlow WJ, et al. **Vet Pathol** 1981 Sep;18(5):599-607

[Ultimobranchial cysts in goitrous thyroids of sheep at high altitude] Kochubei NM. **Arkh Patol** 1982;44(4):57-60 (Eng. Abstr.) **(Rus)**

CYSTS, HYDATID see ECHINOCOCCOSIS

CYTARABINE

ADMINISTRATION & DOSAGE

Treatment of relapsed acute myelocytic leukemia with a combination of aclarubicin and cytosine arabinoside. Takahashi I, et al. **Acta Med Okayama** 1982 Feb;36(1):77-80

Retrospective analysis of 158 cases of adult acute leukaemia: factors influencing prognosis and treatment response. Januszewicz E, et al. **Aust NZ J Med** 1982 Jun;12(3):238-45

Small doses of ARA-C in the treatment of acute myeloid leukaemia: differentiation of myeloid leukaemia cells? Housset M, et al. **Br J Haematol** 1982 May;51(1):125-9

Treatment of refractory acute leukaemia with high dose cytosine arabinoside [letter] Willemze R, et al. **Br J Haematol** 1982 Jul;51(3):497-8

Short-term treatment for acute myelogenous leukaemia. Bell R, et al. **Br Med J [Clin Res]** 1982 Apr 24;284(6324):1221-4

Clinical results and pharmacokinetics of high-dose cytosine arabinoside (HD ARA-C). Breithaupt H, et al. **Cancer** 1982 Oct 1;50(7):1248-57

A randomized prospective comparison of intermittent methotrexate, methotrexate with leucovorin, and a methotrexate combination in head and neck cancer. DeConti RC, et al. **Cancer** 1981 Sep 1;48(5):1061-72

Influence of tetrahydrouridine on the pharmacokinetics of intrathecally administered 1-beta-D-arabinofuranosylcytosine. Riccardi R, et al. **Cancer Res** 1982 May;42(5):1736-9

Schedule-dependent synergism of combinations of hydroxyurea with adriamycin and 1-beta-D-arabinofuranosylcytosine with adriamycin. Ritch PS, et al. **Cancer Res** 1981 Oct;41(10):3881-4

Schedule-dependent synergy and antagonism between high-dose 1-beta-D-arabinofuranosylcytosine and asparaginase in the L5178Y murine leukemia. Schwartz SA, et al. **Cancer Res** 1982 Jun;42(6):2191-7

Randomized comparison of 5-FU alone or combined with mitomycin and cytarabine (MFC) in the treatment of advanced gastric cancer. Cocconi G, et al. **Cancer Treat Rep** 1982 Jun;66(6):1263-6

Progress in acute myelogenous leukemia. Gale RP. **Cancer Treat Rep** 1981;65 Suppl 4:87-92

Treatment of refractory acute nonlymphocytic leukemia with a combination of pyrazofurin and cytarabine. Kaplan HG, et al. **Cancer Treat Rep** 1982 Jun;66(6):1397-8

FQC combination chemotherapy for primary malignant ovarian tumor. Yajima A, et al. **Gynecol Oncol** 1982 Feb; 13(1):93-100

Distribution and metabolism of lipsome-encapsulated and free 1-beta-D-arabinofuranosylcytosine (Ara-C) in dog and mouse tissues. Ellens H, et al. **J Pharmacol Exp Ther** 1982 Aug;222(2):324-30

Chemotherapy of leukemia in mice, rats, and humans relating time of humoral stimulation, tumor growth, and clinical response. Burke PJ, et al. **JNCI** 1981 Sep;67(3):529-38

CFU-S differentiation after multiple doses of cytosine arabinoside-effect of inhibitors. Guigon M, et al. **Leuk Res** 1981;5(4-5):367-72

Regulation of splenic CFU-S kinetics after cytosine-arabinoside treatment in mice.-I. In vivo studies. Sainteny F, et al. **Leuk Res** 1981;5(4-5):373-8

Combination chemotherapy with daunorubicin, cytosine arabinoside and prednisolone (DAP) in acute nonlymphocytic leukemia. Kaku K, et al. **Nippon Ketsueki Gakkai Zasshi** 1981 Jul;44(4):881-6

Synergistic interaction between 1-beta-D-arabinofuranosylcytosine, thymidine, and hydroxyurea against human B cells and leukemic blasts in vitro. Streifel JA, et al. **Proc Natl Acad Sci USA** 1981 Aug; 78(8):5132-6

Cytosine arabinoside bladder instillation therapy for bladder tumors. Araki H, et al. **Tohoku J Exp Med** 1982 Jan; 136(1):23-8

Remission-induction regimens in acute nonlymphocytic leukemia. Brennan DC, et al. **West J Med** 1980 Oct; 133(4):279-88

[Treatment of acute leukemias in adults. II. Preliminary analysis of the treatment results according to AR and RAMP programs] Janowska-Wieczorek A, et al. **Acta Haematol Pol** 1981 Jul-Dec;12(3-4):137-45 (Eng. Abstr.) **(Pol)**

ADVERSE EFFECTS

Acute pancreatitis in association with cytosine arabinoside therapy. Altman AJ, et al. **Cancer** 1982 Apr 1;49(7):1384-6

Central nervous system toxicity of high-dose systemic cytosine arabinoside. Lazarus HM, et al. **Cancer** 1981 Dec 15;48(12):2577-82

Central and peripheral myelinopathy associated with systemic neoplasia and chemotherapy. Mena H, et al. **Cancer** 1981 Oct 15;48(8):1724-37

L-histidinol protection against cytotoxic action of cytosine arabinoside and 5-fluorouracil in cultured mouse spleen cells. Warrington RC, et al. **JNCI** 1982 Feb;68(2):279-86

Keratitis from high doses intravenous cytarabine [letter] Gressel MG, et al. **Lancet** 1982 Jul 31;2(8292):273

ANALOGS & DERIVATIVES

Selective inhibition of herpesvirus deoxyribonucleic acid synthesis by acycloguanosine, 2'-fluoro-5-iodo-aracytosine, and (E)-5-(2-bromovinyl)-2'-deoxyuridine. Larsson A, et al. **Antimicrob Agents Chemother** 1981 May;19(5):927-9

Incorporation of metabolites of 2'-fluoro-5-iodo-1-beta-D-arabinofuranosylcytosine into deoxyribonucleic acid of neoplastic and normal mammalian tissues. Grant AJ, et al. **Biochem Pharmacol** 1982 Mar 15; 31(6):1103-8

In vitro metabolism of 1-beta-D-arabinofuranosylcytosine and 1-beta-2'-fluoroarabino-5-iodocytosine in normal and herpes simplex type 1 virus-infected cells. Kreis W, et al. **Biochem Pharmacol** 1982 Mar 1;31(5):767-73

Treatment of acute nonlymphocytic leukemia in adults: response to 2,2-anhydro-1-B-D-arabinofuranosyl-5-fluorocytosine and thioguanine on the L-12 protocol. Mertelsmann R, et al. **Cancer** 1981 Nov 15;48(10):2136-42

Biochemical effects of 2'-fluoro-5-methyl-1-beta-D-arabinofuranosyluracil and 2'-fluoro-5-iodo-1-beta-D-arabinofuranosylcytosine in mouse leukemic cells sensitive and resistant to 1-beta-D-arabinofuranosylcytosine. Chou TC, et al. **Cancer Res** 1982 Oct;42(10):3957-63

Membrane affinity and metabolism of N4-palmitoyl-1-beta-D-arabinofuranosylcytosine into cultured KB cells. Tsuruo T, et al. **Cancer Res** 1981 Nov; 41(11 Pt 1):4484-8

Enzyme catalyzation of the deacylation of N4-acyl derivatives of 1-beta-D-arabinofuranosylcytosine in the mouse liver microsome. Tsuruo T, et al. **Cancer Res** 1982 Jun;42(6):2250-4

Potent antiviral 2'-fluoro-arabinosyl pyrimidine nucleosides: lack of mutagenic activity. Marquardt H, et al. **Carcinogenesis** 1982;3(5):593-6

In vivo distribution of 14C-labeled N4-behenoyl-1-beta-D-arabinofuranosylcytosine in mice. Toyoshima S, et al. **Gan** 1981 Feb;72(1):19-29

Evaluation of the antiherpetic activity of 2'-fluoro-5-iodo-ara-C in rabbit eyes and cell cultures. Trousdale MD, et al. **Invest Ophthalmol Vis Sci** 1981 Dec; 21(6):826-32

Lipophilic 5'-(alkyl phosphate) esters of 1-beta-D-arabinofuranosylcytosine and its N4-acyl and 2,2'-anhydro-3'-O-acyl derivatives as potential prodrugs. Rosowsky A, et al. **J Med Chem** 1982 Feb;25(2):171-8

Phase III study of N4-behenoyl-1-beta-D-arabinofuranosylcytosine in adult acute leukemia-BH-AC-DMP therapy. Yamada K, et al. **Nippon Ketsueki Gakkai Zasshi** 1980 Dec;43(6):1080-5

[Observation on the clinical effect of cyclocytidine in herpes simplex virus keratitis of the stromal type (author's transl)] Li GY. **Chung Hua Yen Ko Tsa Chih** 1981 Sep;17(5):304-5 **(Chi)**

[Development of new antileukemic agents] Yamada K, et al. **Nippon Rinsho** 1981 Aug;39(8):2815-20 **(Jpn)**

[Treatment of acute non-lymphocytic leukemia with concurrent administration of N4-behenoyl-beta-D-arabinofuranosylcytosine, aclacinomycin A, 6-mercaptopurine and prednisolone; a pilot study (author's transl)] Hirano M, et al. **Rinsho Ketsueki** 1981 Mar;22(3):299-305 (Eng. Abstr.) **(Jpn)**

[Remission induction by ACM-A and BH-AC on acute promyelocytic leukemia which is resistant to DNR and CA (author's transl)] Shimazaki C, et al. **Rinsho Ketsueki** 1981 Jul;22(7):1116-22 (Eng. Abstr.) **(Jpn)**

[Treatment of acute leukemia with newly synthesized N4-behenoyl-1-beta-D-arabinofuranosylcytosine (BH-AC) (author's transl)] Sueyama H, et al. **Rinsho Ketsueki** 1981 Jul;22(7):1109-15 (Eng. Abstr.) **(Jpn)**

[A case of hypoplastic leukemia in advanced age induced into complete remission with continuous drip infusion of cyclocytidine and prednisolone (author's transl)] Wakiya I, et al. **Rinsho Ketsueki** 1982 Feb;23(2):180-4 (Eng. Abstr.) **(Jpn)**

[The simultaneous determination of Ara-U and Ara-C, urinary metabolites of N4-behenoyl-1-beta-D-arabinofuranosylcytosine by mass fragmentography (author's transl)] Makino Y, et al. **Yakugaku Zasshi** 1982 Jan;102(1):49-55 (Eng. Abstr.) **(Jpn)**

ANTAGONISTS & INHIBITORS

Protection of mice against lethal doses of 1 beta-D-arabinofuranosylcytosine by pluripotent stem cell inhibitors. Guigon M, et al. **Cancer Res** 1982 Feb; 42(2):638-41

BLOOD

Pharmacokinetics of continuous intravenous and subcutaneous infusions of cytosine arabinoside. Weinstein HJ, et al. **Blood** 1982 Jun;59(6):1351-3

Determination of cytarabine and uracil arabinoside in human plasma and cerebrospinal fluid by high-performance liquid chromatography. Breithaupt H, et al. **J Chromatogr** 1981 Sep 11;225(1):99-106

Radioimmunoassay of 1-beta-D-arabinofuranosylcytosine. Okabayashi T, et al. **Methods Enzymol** 1982;84 Pt D:470-83

METABOLISM

In vitro metabolism of 1-beta-D-arabinofuranosylcytosine and 1-beta-2'-fluoroarabino-5-iodocytosine in normal and herpes simplex type 1 virus-infected cells. Kreis W, et al. **Biochem Pharmacol** 1982 Mar 1;31(5):767-73

Correlation of tnymidine-enhanced incorporation of ara-C in deoxyribonucleic acid with increased cell kill. Major PP, et al. **Biochem Pharmacol** 1981 Aug 15;30(16):2221-4

Instability of (ara-C) DNA under alkaline conditions. Major PP, et al. **Biochem Pharmacol** 1982 Mar 1;31(5):861-6

Modulation of 1-beta-D-arabinofuranosylcytosine metabolism and cytotoxicity in L1210 cells by fluoropyrimidine pretreatment. Grant S, et al. **Cancer Res** 1982 Sep;42(9):3550-6

Differential effect of N-(phosphonacetyl)-L-aspartate on 1-beta-D-arabinofuranosylcytosine metabolism and cytotoxicity in human leukemia and normal bone marrow progenitors. Grant S, et al. **Cancer Res** 1982 Oct; 42(10):4007-13

Effects of high-dose cytarabine. Hande KR, et al. **Clin Pharmacol Ther** 1982 May;31(5):669-74

Comparison of lymphatic uptake, metabolism, excretion, and biodistribution of free and liposome-entrapped [14C]cytosine beta-D-arabinofuranoside following intraperitoneal administration to rats. Parker RJ, et al. **Drug Metab Dispos** 1982 Jan-Feb;10(1):40-6

Cytosine arabinoside influx and nucleoside transport sites in acute leukemia. Wiley JS, et al. **J Clin Invest** 1982 Feb; 69(2):479-89

Pharmacokinetics and metabolism of cytosine arabinoside in the central nervous system. Spector R. **J Pharmacol Exp Ther** 1982 Jul;222(1):1-6

Uptake of cytosine arabinoside (Ara-C) by LSA lymphoma after irradiation in the stationary phase of growth. Young JA, et al. **Radiology** 1982 Mar;142(3):759-63

PHARMACODYNAMICS

Bone marrow biopsy [letter] Omura GA. **Am J Surg Pathol** 1981 Jul;5(5):517

Application of arabinofuranosyl cytosine in the kinetic analysis and quantitation of DNA repair in human cells after ultraviolet irradiation. Snyder RD, et al. **Biophys J** 1981 Aug;35(2):339-50

Antagonism of drugs used in leukaemia therapy to the killing of human lymphoblastoid cells by steroid. Gledhill RM, et al. **Br J Cancer** 1981 Sep;44(3):467-71

Liposomally trapped AraCTP to overcome AraC resistance in a murine lymphoma in vitro. Richardson VJ, et al. **Br J Cancer** 1982 Apr;45(4):559-64

Role of dephosphorylation in accumulation of 1-beta-D-arabinofuranosylcytosine 5'-triphosphate in human lymphoblastic cell lines with reference to their drug sensitivity. Abe I, et al. **Cancer Res** 1982 Jul;42(7):2846-51

Elevated level of enzymatic DNA methylation in cells treated with 1-beta-D-arabinofuranosylcytosine. Boehm TL, et al. **Cancer Res** 1982 Apr;42(4):1537-40

DNA strand breaks caused by inhibitors of DNA synthesis: 1-beta-D-arabinofuranosylcytosine and aphidicolin. Fram RJ, et al. **Cancer Res** 1982 Oct;42(10):4050-3

Quantitative analysis of the cytokinetic response of KHT tumors in vivo to 1-beta-D-arabinofuranosylcytosine. Pallavicini MG, et al. **Cancer Res** 1982 Aug;42(8):3125-31

Comparative effects of methotrexate, two nonclassic folic acid antagonists, and cytarabine on hematopoietic precursor cells. Marsh JC. **Cancer Treat Rep** 1982 Mar; 66(3):499-504

Effect of cytarabine on cytotoxic T-cell development. Merluzzi VJ, et al. **Cancer Treat Rep** 1982 Mar;66(3):535-40

Selective killing of transformed cells in combination with inhibitors of polyamine biosynthesis and S-phase specific drugs. Sunkara PS, et al. **Cell Biol Int Rep** 1981 Oct; 5(10):991-7

Proliferative responses to L-histidinol correlate with the phenotypic status of normal and transformed cho cells. Warrington RC, et al. **Cell Biol Int Rep** 1982 Mar; 6(3):309-16

Effects of cytosine arabinoside and daunorubicin on survival and cell cycle progression of Chinese hamster ovary cells. Fried J, et al. **Cell Tissue Kinet** 1982 Jan;15(1):11-23

Flow cytometric analysis of the effect of ara-C on the chronobiology of bone marrow DNA synthesis. Hromas RA, et al. **Chronobiologia** 1981 Oct-Dec;8(4):369-73

Effects of cytosine arabinoside on DNA synthesis as predictor for acute myelocytic leukemia (AML) patients' response to chemotherapy. Epstein J, et al. **Eur J Cancer** 1981 Jun;17(6):623-8

1-beta-D-arabinofuranosylcytosine stimulates thymidine incorporation into the DNA of contact-inhibited cells. Foster DA. **Exp Cell Res** 1981 Oct;135(2):427-31

Increase in the cytotoxicity of 1-beta-D-arabinofuranosylcytosine due to inhibition of degradation of its triphosphate by hydroxyurea in Burkitt's lymphoma cells. Abe I, et al. **Gan** 1981 Apr;72(2):337-8

Effects of methotrexate on ribonucleotide pools in growing and in growth-arrested tumor cells and antagonism by RNA synthesis inhibitors. Kaminskas E. **J Biol Chem** 1982 Apr 25;257(8):4279-84

Modulation of cell-mediated alloimmunity by BCG. I. Antagonism and potentiation of immunosuppression caused by cytarabine. Murahata RI, et al. **JNCI** 1982 Sep; 69(3):607-12

Effect of arabinosyl cytosine on the level of DNA polymerase and thymidine kinase activity in PHA-stimulated human tonsillar lymphocytes. Staub M, et al. **Mol Cell Biochem** 1982 Jan 16;42(1):37-44

Effects of 1-beta-D-arabinofuranosylcytosine on chromosomes, depending upon the cell cycle stage at the time of exposure. Moore RC. **Mutat Res** 1981 Oct; 83(3):361-74

The inhibition of DNA repair by aphidicolin or cytosine arabinoside in X-irradiated normal and xeroderma pigmentosum fibroblasts. Waters R, et al. **Mutat Res** 1982 May;94(1):229-34

[Inhibition of DNA synthesis in peripheral leukemic cells by cytosine-arabinoside; attempt at deriving therapeutic application] Schleusner A, et al. **Folia Haematol (Leipz)** 1981;108(2):218-25 **(Ger)**

[Clinical usefulness of determination of the sensitivity of myeloblastic leukemia cells to antiproliferative drugs in cell culture in vivo] Hansz J, et al. **Acta Haematol Pol** 1981 Jan-Mar;12(1):1-6 (Eng. Abstr.) **(Pol)**

[Survival of chick embryo ciliary ganglia neurons in cellular cultures. Collagen, polylysine and cytosine-arabinoside effects (author's transl)] Bustos M, et al. **Trab Inst Cajal Invest Biol** 1980;71(1):63-70 (Eng. Abstr.) **(Spa)**

THERAPEUTIC USE

Busulfan, antimetabolites, radiotherapy, and cost of treatment in chronic myelocytic leukemia. A non-controlled, non-randomized monocenter study with historical controls. Ogier C, et al. **Acta Med Scand** 1981;210(5):409-13

Pathological findings of adenine arabinoside (ARA-A) and cytarabine (ARA-C) in the treatment of herpes simplex encephalitis in rabbit model. Narang HK. **Antiviral Res** 1982 May;2(1-2):53-67

Cytosine arabinoside with daunorubicin or adriamycin for therapy of acute myelocytic leukemia: a CALGB study. Yates J, et al. **Blood** 1982 Aug;60(2):454-62

The pharmacokinetics of subcutaneous cytosine arabinoside in patients with acute myelogenous leukaemia. Slevin ML, et al. **Br J Clin Pharmacol** 1981 Oct;12(4):507-10

A prognostic factor analysis for use in development of predictive models for response in adult acute leukemia. Keating MJ, et al. **Cancer** 1982 Aug 1;50(3):457-65

Prediction of remission in adult acute leukemia: development and testing of predictive models. Smith TL, et al. **Cancer** 1982 Aug 1;50(3):466-72

VM26 therapy in children with drug-refractory lymphocytic leukemia. Rivera G, et al. **Cancer Chemother Pharmacol** 1982;7(2-3):169-72

Treatment of acute leukemia in relapse with 4'(9-acridinylamino) methanesulfon-m-anisidide (AMSA) in combination with cytosine arabinoside and thioguanine. Arlin ZA, et al. **Cancer Clin Trials** 1981 Fall;4(3):317-21

Activity of 2-fluoro-5-methylarabinofuranosyluracil against mouse leukemias sensitive to and resistant to 1-beta-D-arabinofuranosylcytosine. Burchenal JH, et al. **Cancer Res** 1982 Jul;42(7):2598-600

Biochemical effects of 2'-fluoro-5-methyl-1-beta-D-arabinofuranosyluracil and 2'-fluoro-5-iodo-1-beta-D-arabinofuranosylcytosine in mouse leukemic cells sensitive and resistant to 1-beta-D-arabinofuranosylcytosine. Chou TC, et al. **Cancer Res** 1982 Oct;42(10):3957-63

A pilot study of high-dose 1-beta-D-arabinofuranosylcytosine for acute leukemia and refractory lymphoma: clinical response and pharmacology. Early AP, et al. **Cancer Res** 1982 Apr;42(4):1587-94

Response of hypereosinophilic syndrome to 6-thioguanine and cytarabine. Eakin DL, et al. **Cancer Treat Rep** 1982 Mar;66(3):545-7

Cytarabine in chronic T-cell neoplasms. Omura GA. **Cancer Treat Rep** 1982 Mar;66(3):591-2

Effect of selected intravitreal drugs after severe penetrating injury in rabbits. Meyers SM, et al. **Curr Eye Res** 1981; 1(8):471-7

Remission-induction, consolidation and maintenance therapy by AVA protocol in acute nonlymphoblastic leukemia. Torlontano G, et al. **Haematologica (Pavia)** 1982 Apr; 67(2):230-45

Treatment of early acute nonlymphatic leukemia with low dose cytosine arabinoside. Moloney WC, et al. **Hamatol Bluttransfus** 1981;26:59-62

Herpes zoster: a ten-year experience with cytosine arabinoside treatment. McFarland HR. **J Kans Med Soc** 1982 Feb;83(2):57-8

Chemotherapy of L1210 leukemia with 5-azacytidine in combination with vincristine, adriamycin, or beta-cytosine arabinoside. Presant CA, et al. **JNCI** 1981 Dec;67(6):1283-8

Progressive multifocal leukoencephalopathy: failure of cytarabine therapy. Smith CR, et al. **Neurology (NY)** 1982 Feb;32(2):200-3

[Acute myelocytic leukemia in childhood: results of treatment from 1964 to 1979] Plüss HJ, et al. **Schweiz Med Wochenschr** 1980 Oct 4;110(40):1459-62 (Eng. Abstr.) **(Ger)**

TOXICITY

DNA repair and chromosome aberrations: the effect of cytosine arabinoside on the frequency of chromosome aberrations induced by radiation and chemicals. Preston RJ. **Teratogenesis Carcinog Mutagen** 1980;1(2):147–59

Effects of arabinosyl cytosine and 5-azacytidine on the intestinal absorption of nutrients. Chen TS. **Toxicol Appl Pharmacol** 1982 Jan;62(1):73–80

URINE

[The simultaneous determination of Ara-U and Ara-C, urinary metabolites of N4-behenoyl-1-beta-D-arabinofuranosylcytosine by mass fragmentography (author's transl)] Makino Y, et al. **Yakugaku Zasshi** 1982 Jan;102(1):49–55 (Eng. Abstr.) (Jpn)

CYTEMBENA see **BROMEBRIC ACID**

CYTIDINE

Fluorinated nucleic acid constituents: a carbon-13 nuclear magnetic resonance study of adenosine, cytidine, uridine, and their fluorinated analogues. Alderfer JL, et al. **Biochemistry** 1982 May 25;21(11):2738–45

Comparative structural analysis of cytidine, ethenocytidine, and their protonated salts. I. Crystal and molecular structure of ethenocytidine. Jaskólski M, et al. **Nucleic Acids Res** 1981 Oct 24;9(20):5423–42

Comparative structural analysis of cytidine, ethenocytidine and their protonated salts. II. IR spectral studies. Krzyżosiak W, et al. **Nucleic Acids Res** 1982 Apr 24; 10(8):2741–53

ANALOGS & DERIVATIVES

Evaluation of carbodine, the carbocyclic analog of cytidine, and related carbocyclic analogs of pyrimidine nucleosides for antiviral activity against human influenza Type A viruses. Shannon WM, et al. **Antimicrob Agents Chemother** 1981 Dec;20(6):769–76

Isolation of nucleolar methylase producing only 5-methylcytidine in ribosomal RNA. Obara M, et al. **Biochem Biophys Res Commun** 1982 Jan 15;104(1):241–6

Effect of tautomeric shift on mutation: N4-methoxycytidine forms hydrogen bonds with adenosine in polymers. Spengler S, et al. **Biochemistry** 1981 Dec 8;20(25):7290–4

Labeled 1,N6-ethenoadenosine and 3,N4-ethenocytidine in hepatic RNA of mice given[ethyl-1,2(-3)H or ethyl-1(-14)C]ethyl carbamate (urethan). Ribovich ML, et al. **Carcinogenesis** 1982;3(5):539–46

Mode of action of 5-fluorocytidine and 5-fluoro-2'-deoxycytidine in L5178Y cells in vitro. Yoshida M, et al. **Chem Pharm Bull (Tokyo)** 1982 Mar; 30(3):1018–23

Effects of azidocytidine on DNA synthesis and deoxynucleotide pools of mouse fibroblast cell lines. Akerblom L, et al. **J Biol Chem** 1982 Jun 25; 257(12):6776–82

Nucleosides. 114. 5'-O-Glucuronides of 5-fluorouridine and 5-fluorocytidine. Masked precursors of anticancer nucleosides. Watanabe KA, et al. **J Med Chem** 1981 Jul; 24(7):893–7

Comparative structural analysis of cytidine, ethenocytidine, and their protonated salts. I. Crystal and molecular structure of ethenocytidine. Jaskólski M, et al. **Nucleic Acids Res** 1981 Oct 24;9(20):5423–42

Comparative structural analysis of cytidine, ethenocytidine and their protonated salts. II. IR spectral studies. Krzyżosiak W, et al. **Nucleic Acids Res** 1982 Apr 24; 10(8):2741–53

Optical activity and electronic absorption spectra of some simple nucleosides related to cytidine and uridine: all-valence-shell molecular orbital calculations. Miles DW, et al. **Proc Natl Acad Sci USA** 1981 Dec;78(12):7521–5

Monospecific antibody against 5-methyl-cytidine for the structural analysis of nucleic acids. Mastronicolis SK, et al. **Z Naturforsch [C]** 1982 May-Jun;37(5–6):399–404

BLOOD

Radioimmunoassays of plasma thymidine, uridine, deoxyuridine, and cytidine/deoxycytidine. Dudman NP, et al. **Anal Biochem** 1981 Aug;115(2):428–37

METABOLISM

Uptake of cytidine by isolated, perfused mouse liver. Kolassa N, et al. **Can J Physiol Pharmacol** 1982 Feb;60(2):167–73

Cytidine uptake and utilization in primary culture from the rat brain. Vecchini A, et al. **Ital J Biochem** 1981 Sep–Oct; 30(5):367–74

Massive accumulation of phosphatidic acid in conditionally lethal CDP-diglyceride synthetase mutants and cytidine auxotrophs of Escherichia coli. Ganong BR, et al. **J Biol Chem** 1982 Jan 10;257(1):389–94

CYTIDINE CYCLIC MONOPHOSPHATE see under **CYTOSINE NUCLEOTIDES**

CYTIDINE DEAMINASE see under **NUCLEOSIDE DEAMINASES**

CYTIDINE DIPHOSPHATE see under **CYTOSINE NUCLEOTIDES**

CYTIDINE DIPHOSPHATE CHOLINE see under **CHOLINE**

CYTIDINE DIPHOSPHATE DIGLYCERIDES see under **NUCLEOSIDE DIPHOSPHATE SUGARS**

CYTIDINE DIPHOSPHATE GLYCEROLS see under **NUCLEOSIDE DIPHOSPHATE SUGARS**

CYTIDINE DIPHOSPHATE RIBITOL see under **NUCLEOSIDE DIPHOSPHATE SUGARS**

CYTIDINE DIPHOSPHATE SUGARS see under **NUCLEOSIDE DIPHOSPHATE SUGARS**

CYTIDINE MONOPHOSPHATE see under **CYTOSINE NUCLEOTIDES**

CYTIDINE MONOPHOSPHATE N-ACETYLNEURAMINIC ACID see under **SIALIC ACIDS**

CYTIDINE PHOSPHATES see **CYTOSINE NUCLEOTIDES**

CYTIDINE TRIPHOSPHATE see under **CYTOSINE NUCLEOTIDES**

CYTOCHALASIN B

Effect of troponin and tropomyosin on the interaction between cytochalasin B and actin filaments. Suenaga N, et al. **J Biochem (Tokyo)** 1982 Apr;91(4):1249–56

ANALOGS & DERIVATIVES

Inhibition of cytokinesis and altered contractile ring morphology induced by cytochalasins in synchronized PtK2 cells. Aubin JE, et al. **Exp Cell Res** 1981 Nov; 136(1):63–79

METABOLISM

Cytochalasin B binding to Ehrlich ascites tumor cells and its relationship to glucose carrier. Cuppoletti J, et al. **Biochim Biophys Acta** 1981 Apr 6;642(2):392–404

Hexose transport in L6 muscle cells. Kinetic properties and the number of [3H]cytochalasin B binding sites. Klip A, et al. **Biochim Biophys Acta** 1982 May 7;687(2):265–80

The relationship between high-affinity binding of cytochalasin B to 3T3 cells and inhibition of sugar transport and cell motility. Atlas SJ, et al. **J Recept Res** 1980; 1(2):113–35

PHARMACODYNAMICS

A scanning electron microscopic study of the two-step effect of cytochalasin B on Ehrlich ascites tumor cells. Sasaki J, et al. **Acta Med Okayama** 1981 Jun;35(3):197–204

Neutrophil migration and orientation under agarose: findings in patients with the immotile cilia syndrome and effects of cytochalasin B and vinblastine. Palmblad J, et al. **Adv Exp Med Biol** 1982;141:49–59

Glycosaminoglycan secretion from perifused monolayer cultures of rabbit ear chondrocytes: modification of xyloside effect by colchicine and cytochalasin B. Madsen K. **Arch Biochem Biophys** 1981 Oct 1;211(1):368–74

Stimulation of plasminogen activator expression and induction of DNA synthesis by microtubule-disruptive drugs. Chou IN, et al. **Biochem Biophys Res Commun** 1981 Aug 31;101(4):1266–73

Relationship between inhibition of interstitial cell testosterone synthesis by cytochalasin B and glucose. Murono EP, et al. **Biochem Biophys Res Commun** 1982 Jan 15; 104(1):299–306

Receptor-mediated gonadotropin action in the ovary. Action of cytoskeletal element-disrupting agents on gonadotropin-induced steroidogenesis in rat luteal cells. Azhar S, et al. **Biochem J** 1981 Jan 15;194(1):19–27

Subcellular localization of H2O2 production in human neutrophils stimulated with particles and an effect of cytochalasin-B on the cells. Ohno Y, et al. **Blood** 1982 Jul;60(1):253–60

Multinucleation in response to cytochalasin B: a common feature in several human tumor cell lines. Somers KD, et al. **Cancer Res** 1982 Jul;42(7):2575–8

The presence of SV40 T-antigen is not required for cytochalasin B-induced multinucleation. Connor CG, et al. **Cell Biol Int Rep** 1981 Nov;5(11):1027–31

Cell surface labeling of embryonic neural retina cells exposed to low temperature, energy inhibitors, cytochalasin B and colchicin. Cohen E, et al. **Cell Differ** 1981 Dec;10(6):333–42

Vinblastine and cytochalasin B effects on distribution of concanavalin A receptors in normal attached 3T3 cells. Stefanini S, et al. **Cell Mol Biol** 1981;27(4):333–9

The effect of cytochalasin B on the enucleation of erythroid cells in vitro. Repasky EA, et al. **Cell Tissue Res** 1981; 221(1):85–91

The effects of cytoskeleton inhibitors on cytoplasmic localization in Chaetopterus pergamentaceus. Eckberg WR. **Differentiation** 1981;19(1):55–8

Cytochalasin B induces abnormal chromosome segregation in Friend erythroleukaemia cells. McMenamin M, et al. **Eur J Cell Biol** 1981 Aug;25(1):215–7

Cytochalasin B inhibits polyamine biosynthesis in HeLa cells. Sunkara PS, et al. **Eur J Cell Biol** 1981 Dec;26(1):154–7

Inhibition of cytokinesis and altered contractile ring morphology induced by cytochalasins in synchronized PtK2 cells. Aubin JE, et al. **Exp Cell Res** 1981 Nov; 136(1):63–79

Pulsation of nuclei in insect oocytes is reversibly inhibited by cytochalasin B. Kaiser J, et al. **Exp Cell Res** 1982 Jun; 139(2):460–3

Cytochalasin B disrupts the association of filamentous web and plasma membrane in hepatocytes. Mesland DA, et al. **Exp Cell Res** 1981 Oct;135(2):431–5

A possible role of the nucleus in cytochalasin B-induced capping. Otteskog P, et al. **Exp Cell Res** 1981 Nov; 136(1):203–13

Cytochalasin B-induced alterations of insulin binding and microfilament organization in cultured fibroblasts. Raizada MK, et al. **Exp Cell Res** 1981 Dec;136(2):335–41

Reversible inhibition of secretion in root cap cells of cress after treatment with cytochalasin B. Support for the membrane flow concept. Volkmann D, et al. **Exp Cell Res** 1981 Sep;135(1):229–36

Analysis of tissue interactions in chick eye morphogenesis using cytochalasin B. Maloney C, et al. **Exp Eye Res** 1982 Jul;35(1):77–87

The effects of microfilament disrupting agents on HCl secretion and ultrastructure of piglet gastric oxyntic cells. Black JA, et al. **Gastroenterology** 1982 Sep;83(3):595–604

Cytochalasin A inhibits B-lymphocyte capping and activation by antigens. Teti G, et al. **Immunol Lett** 1981 Aug;3(3):151–4

Morphological changes in human polymorphonuclear leukocytes induced by C3a in the presence and absence of cytochalasin B. Showell HJ, et al. **Int Arch Allergy Appl Immunol** 1982;69(1):62–7

Effects of cytochalasins B and D and colchicine on migration of the corneal epithelium. Gipson IK, et al. **Invest Ophthalmol Vis Sci** 1982 May;22(5):633–42

Effects of cytochalasins and colchicine on the ultrastructure of migrating corneal epithelium. Gipson IK, et al. **Invest Ophthalmol Vis Sci** 1982 May;22(5):643–50

Photoaffinity labeling of the human erythrocyte D-glucose transporter. Carter-Su C, et al. **J Biol Chem** 1982 May 25;257(10):5419–25

Interaction of cytochalasin B with actin filaments nucleated or fragmented by villin. Cribbs DH, et al. **J Biol Chem** 1982 Jan 10;257(1):395–9

Cytochalasin B enhances hormone and cholera toxin-stimulated cyclic AMP accumulation in S49 lymphoma cells. Insel PA, et al. **J Biol Chem** 1982 Aug 25;257(16):9717–23

Cytochalasin B. A natural photoaffinity ligand for labeling the human erythrocyte glucose transporter. Shanahan MF. **J Biol Chem** 1982 Jul 10;257(13):7290–3

Occluding junctions in MDCK cells: modulation of transepithelial permeability by the cytoskeleton. Meza I, et al. **J Cell Biochem** 1982;18(4):407–21

Effects of cytochalasin B on actin and myosin association with particle binding sites in mouse macrophages: implications with regard to the mechanism of action of the cytochalasins. Painter RG, et al. **J Cell Biol** 1981 Nov; 91(2 Pt 1):373–84

Effects of cytochalasin B on membrane-associated microfilaments in a cell-free system. Phillips MJ, et al. **J Cell Biol** 1981 Nov;91(2 Pt 1):524–30

Action of cytochalasin D on cytoskeletal networks. Schliwa M. **J Cell Biol** 1982 Jan;92(1):79–91

Effect of vinblastine and cytochalasin B on the cytoskeletal domains in 3T3 cells. Temmink JH, et al. **J Cell Sci** 1981 Apr;48:55–73

Effects of cytochalasin B, colchicine, and vinblastine on progesterone synthesis and secretion by bovine luteal tissue in vitro. Gwynne A, et al. **J Reprod Fertil** 1982 May; 65(1):151–6

The effect of cytochalasin B on the superoxide production by alveolar macrophages obtained from normal rabbit lungs. Sugimoto M, et al. **J Reticuloendothel Soc** 1982 Feb; 31(2):117–30

Protease-insensitive sea urchin embryo cell adhesions become protease sensitive in the presence of azide or cytochalasin B. Bertolini DR, et al. **J Supramol Struct Cell Biochem** 1981;15(4):327–33

Microfilament reorganization in normal and cytochalasin B treated adherent thrombocytes. Taylor RG, et al. **J Supramol Struct Cell Biochem** 1981;16(3):209–20

Effects of colchicine and cytochalasin B on vasopressin- and cyclic adenosine monophosphate-induced changes in toad urinary bladder. LeFurgey A, et al. **Lab Invest** 1981 Oct; 45(4):308–15

The response of chicken embryo dermal fibroblasts to cytochalasin B is altered by Rous sarcoma virus-induced cell transformation. Menko AS, et al. **Mol Cell Biol** 1982 Mar;2(3):320–30

Breakdown of cytoskeletal filaments selectively reduces Na and Ca spikes in cultured mammal neurones. Fukuda J, et al. **Nature** 1981 Nov 5;294(5836):82–5

Alteration of a tumor cell distribution pattern by cytochalasin B. Ryd W, et al. **Pathol Res Pract** 1981 Dec; 173(1-2):130–40

The influence of cytochalasin B on the interaction of T. cruzi and mouse peritoneal macrophages. Ebert F, et al. **Rev Inst Med Trop Sao Paulo** 1981 Mar-Apr;23(2):61-7

Effects of cytochalasin B and colchicine on the motility and growth of Yoshida sarcoma cells in vitro. Hosaka S, et al. **Sci Rep Res Inst Tohoku Univ [Med]** 1980 Dec; 27(1-4):27-31

Cytochalasin B-induced ATPase activity of actin: dependence on monomer concentration. Dancker P, et al. **Z Naturforsch [C]** 1981 Nov-Dec;36(11-12):1050-5

[Effect of colchicine and cytochalasin B on cell agglutination of experimental hepatoma (author's transl)] Wang ZW, et al. **Chung Kuo Yao Li Hsueh Pao** 1981 Jun;2(2):135-8 (Eng. Abstr.) **(Chi)**

[Relation between changes in platelet shape, calcium balance and the separating effect of cytochalasin B] Antonikov IM, et al. **Biull Eksp Biol Med** 1981 Aug;92(8):87-9 (Eng. Abstr.) **(Rus)**

[Comparative study of L cell cytoplasts obtained with and without the use of cytochalasin B] Egorov EE, et al. **Dokl Akad Nauk SSSR** 1982;264(4):969-73 **(Rus)**

[Vacuolization of muscle fiber exposed to colchicine, cytochalasin B and agents altering cell metabolism] Shvinka NE. **Tsitologiia** 1981 Sep;23(9):1085-7 (Eng. Abstr.) **(Rus)**

CYTOCHALASINS

CHEMICAL SYNTHESIS

Structure-activity correlations of cytochalasins. Novel halogenated and related cytochalasin C and D derivatives. Patwardhan BH, et al. **J Med Chem** 1982 Jun;25(6):663-6

ISOLATION & PURIFICATION

Purification and characterization of an inhibitor protein with cytochalasin-like activity from bovine adrenal medulla. Grumet M, et al. **Biochim Biophys Acta** 1981 Dec 18; 678(3):381-7

METABOLISM

Cytochalasin D and platelet gelsolin accelerate actin polymer formation. A model for regulation of the extent of actin polymer formation in vivo. Tellam R, et al. **Biochemistry** 1982 Jun 22;21(13):3207-14

PHARMACODYNAMICS

Formation of superoxide anions and hydrogen peroxide by polymorphonuclear leukocytes stimulated with cytochalasin. Minakami S, et al. **Adv Exp Med Biol** 1982; 141:361-70

Cytochalasin E diminishes the lag phase in the release of superoxide by human neutrophils. Badwey JA, et al. **Biochem Biophys Res Commun** 1982 May 14;106(1):170-4

Activation of superoxide production and differential exocytosis in polymorphonuclear leukocytes by cytochalasins A, B, C, D and E. Effects of various ions. Bentley JK, et al. **Biochim Biophys Acta** 1981 Dec 4; 678(2):238-44

The actions of various cytochalasins on mouse adrenal tumor cells in relation to trophic stimulation of steroidogenesis. Hall PF, et al. **Biochim Biophys Acta** 1981 Sep 4; 676(3):338-44

Effects of anchorage-modulating doses of concanavalin A, microtubule-disrupting drugs and microfilament perturbants, cytochalasins, on the phosphatidylinositol response of rat lymph-node cells. Sasaki T, et al. **Biochim Biophys Acta** 1981 Dec 7;649(2):449-54

Molecular and morphological differentiation of the mouse blastocyst after manipulations of compaction with cytochalasin D. Pratt HP, et al. **Cell** 1981 Oct;26(2 Pt 2):279-92

Role of calcium and magnesium and of cytochalasin-sensitive processes in lectin-stimulated lymphocyte activation. Belmont JW, et al. **Cell Immunol** 1981 Apr;59(2):276-88

Endocytosis in absorptive cells of cultured human small-intestinal tissue: effect of cytochalasin B and D. Blok J, et al. **Cell Tissue Res** 1982 Jan;222(1):113-26

Inhibitory effect of cytochalasin H on cell reaggregation of the fresh water sponge, Ephydatia meyeni Carter. Ghaskadbi S, et al. **Exp Cell Biol** 1982;50(3):155-61

Effects of motility inhibitors during sea urchin fertilization: microfilament inhibitors prevent sperm incorporation and restructuring of fertilized egg cortex, whereas microtubule inhibitors prevent pronuclear migrations. Schatten G, et al. **Exp Cell Res** 1981 Oct;135(2):311-30

The enhancing effect of cytochalasin A on concanavalin A-induced superoxide anion release from polymorphonuclear leukocytes. Matsuura R. **Hiroshima J Med Sci** 1981 Sep;30(3):229-36

Polymorphonuclear leucocyte membrane-stimulated oxidative metabolic activity---the effect of divalent cations and cytochalasins. Williams AJ, et al. **Immunology** 1981 Dec;44(4):847-58

Effects of cytochalasins B and D and colchicine on migration of the corneal epithelium. Gipson IK, et al. **Invest Ophthalmol Vis Sci** 1982 May;22(5):633-42

Effects of cytochalasins and colchicine on the ultrastructure of migrating corneal epithelium. Gipson IK, et al. **Invest Ophthalmol Vis Sci** 1982 May;22(5):643-50

Fate of secretory proteins trapped in oocytes of Xenopus laevis by disruption of the cytoskeleton or by imbalanced subunit synthesis. Colman A, et al. **J Cell Biol** 1981 Dec; 91(3 Pt 1):770-80

Correlation between effects of 24 different cytochalasins on cellular structures and cellular events and those on actin in vitro. Yahara I, et al. **J Cell Biol** 1982 Jan;92(1):69-78

Cytochalasin inhibition of isolated rat gastric parietal cell function. Rosenfeld GC, et al. **J Cell Physiol** 1981 Oct; 109(1):53-7

Determination of secretory vesicle production rates by dictyosomes in pollen tubes of Tradescantia using cytochalasin D. Picton JM, et al. **J Cell Sci** 1981 Jun; 49:261-72

The effects of cytochalasins on lymphocytes: mechanism of action of Cytochalasin A on responses to phytomitogens. Mookerjee BK, et al. **J Immunol** 1982 May;128(5):2153-9

The effects of quercetin, 1-tosylamido-2-phenylethyl chloromethyl ketone, cytochalasin A and nordihydroguaiaretic acid on lysosomal enzyme secretion, arachidonic acid metabolism and Ca2+ fluxes in rabbit neutrophils. Showell HJ, et al. **J Reticuloendothel Soc** 1981 Sep;30(3):167-81

Investigations of cytoplasmic contractile and cytoskeletal elements in the kidney glomerulus. Andrews PM. **Kidney Int** 1981 Nov;20(5):549-62

The role of the conjugated carbonyl of cytochalasin A in contractility inhibitions. Tanenbaum SW, et al. **Life Sci** 1982 May 31;30(22):1927-31

Cytochalasin D inhibits actin polymerization and induces depolymerization of actin filaments formed during platelet shape change. Casella JF, et al. **Nature** 1981 Sep 24; 293(5830):302-5

Effect of cytochalasin D on thrombin-induced actin filaments in platelets [letter] Masiello NC, et al. **Nature** 1982 Jul 8; 298(5870):202

Inhibition of glucose transport in human erythrocytes by cytochalasins: A model based on diffraction studies. Griffin JF, et al. **Proc Natl Acad Sci USA** 1982 Jun;79(12):3759-63

Studies on human erythrocyte spectrin.4.1.actin complex with the use of cytochalasins. Lin DC. **Prog Clin Biol Res** 1981;56:117-36

TOXICITY

Differences in the toxicity and teratogenicity of cytochalasins D and E in various mouse strains. Austin WL, et al. **Teratology** 1982 Feb;25(1):11-8

CYTOCHEMISTRY see **HISTOCYTOCHEMISTRY**

CYTOCHROME C

Cytochrome c reduction by semiquinone radicals can be indirectly inhibited by superoxide dismutase. Winterbourn CC. **Arch Biochem Biophys** 1981 Jun;209(1):159-67

Derivative cyclic voltabsorptometry of cytochrome c. Bancroft EE, et al. **Biochem Biophys Res Commun** 1981 Aug 31;101(4):1131-6

Structural studies of eukaryotic cytochrome c modified at methionine-65. Boswell AP, et al. **Biochem J** 1981 Feb 1;193(2):493-502

Molecular geometry of cytochrome c and its peroxidase: a model for biological electron transfer. Kraut J. **Biochem Soc Trans** 1981 Jun;9(3):197-202

Conformational transitions of frog heart ferricytochrome c. Brems DN, et al. **Biochemistry** 1982 Mar 30;21(7):1488-93

Extended X-ray absorption fine structure studies of cytochromes c: structural aspects of oxidation-reduction. Korszun ZR, et al. **Biochemistry** 1982 Apr 27;21(9):2253-8

Protein influences on porphyrin structure in cytochrome c: evidence from Raman difference spectroscopy. Shelnutt JA, et al. **Biochemistry** 1981 Oct 27;20(22):6485-97

pH-induced conformational transitions of ferricytochrome c: a carbon-13 and deuterium nuclear magnetic resonance study. Wooten JB, et al. **Biochemistry** 1981 Sep 15; 20(19):5394-402

Affinity chromatography purification of cytochrome c oxidase and b-c1 complex from beef heart mitochondria. Use of thiol-sepharose-bound Saccharomyces cerevisiae cytochrome c. Bill K, et al. **Biochim Biophys Acta** 1982 Jan 20;679(1):28-34

Time-resolved resonance Raman spectroscopy of cytochrome c reduced by pulse radiolysis. Cartling B, et al. **Biochim Biophys Acta** 1981 Aug 12;637(1):61-8

The denatured states of cytochrome c. Harrington JP. **Biochim Biophys Acta** 1981 Nov 30;671(1):85-92

Effect on protein stability of reversing the charge on amino groups. Hollecker M, et al. **Biochim Biophys Acta** 1982 Mar 4;701(3):395-404

13C-NMR spectroscopy of acetyltyrosyl-guanidinated horse heart cytochrome c. Nieman RA, et al. **Biochim Biophys Acta** 1982 May 21;704(1):144-55

Structural approach of the electron transfer pathways in multiheme cytochromes c3. Haser R. **Biochimie** 1981 Nov-Dec;63(11-12):945-9

Continuous flow-resonance Raman spectroscopy of an intermediate redox state of cytochrome C. Forster M, et al. **Biophys J** 1982 May;38(2):111-6

Reaction of C-type cytochromes with the iron hexacyanides. Mechanistic implications. Ohno N, et al. **Biophys J** 1981 Dec;36(3):589-605

Parallel electrostatic effects in the interactions of superoxide with cytochrome c and with superoxide dismutase. Cudd A, et al. **FEBS Lett** 1982 Jul 19;144(1):181-2

The structure of cytochrome c3 from Desulfovibrio vulgaris Miyazaki at 2.5 A resolution. Higuchi Y, et al. **J Biochem (Tokyo)** 1981 May;89(5):1659-62

On cytochrome c3 folding. Higuchi Y, et al. **J Biochem (Tokyo)** 1981 Dec;90(6):1715-23

A transient spin-state change during alkaline isomerization of ferricytochrome c. Saigo S. **J Biochem (Tokyo)** 1981 Jun;89(6):1977-80

Spin state and unfolding equilibria of ferricytochrome c in acidic solutions. Dyson HJ, et al. **J Biol Chem** 1982 Mar 10;257(5):2267-73

Structure and heme environment of ferrocytochrome c553 from 1H NMR studies. Ulrich EL, et al. **J Biol Chem** 1982 Aug 25;257(16):9356-64

Structural studies of bovine heart cytochrome c1. Wakabayashi S, et al. **J Biol Chem** 1982 Aug 25; 257(16):9335-44

Alkaline isomerization of ferricytochrome c: lysine is not replacing methionine at the sixth co-ordination site of the haem iron. Bosshard HR. **J Mol Biol** 1981 Dec 25; 153(4):1125-49

Repulsive interactions between polar and apolar atoms in globular proteins. Mao B, et al. **J Mol Biol** 1981 Sep 5; 151(1):199-202

Structure of cytochrome c551 from Pseudomonas aeruginosa refined at 1.6 A resolution and comparison of the two redox forms. Matsuura Y, et al. **J Mol Biol** 1982 Apr 5; 156(2):389-409

Molecular dynamics of ferrocytochrome c. Magnitude and anisotropy of atomic displacements. Northrup SH, et al. **J Mol Biol** 1981 Dec 25;153(4):1087-109

Conformation change of cytochrome c. I. Ferrocytochrome c structure refined at 1.5 A resolution. Takano T, et al. **J Mol Biol** 1981 Nov 25;153(1):79-94

Conformation change of cytochrome c. II. Ferricytochrome c refinement at 1.8 A and comparison with the ferrocytochrome structure. Takano T, et al. **J Mol Biol** 1981 Nov 25;153(1):95-115

Crystallographic structure of Rhodospirillum molischianum ferricytochrome c' at 2.5 A resolution. Weber PC, et al. **J Mol Biol** 1981 Dec 5;153(2):399-424

Amino acid sequences of bacterial cytochromes c' and c-556. Ambler RP, et al. **Proc Natl Acad Sci USA** 1981 Nov; 78(11):6854-7

Increase in apparent compressibility of cytochrome c upon oxidation. Eden D, et al. **Proc Natl Acad Sci USA** 1982 Feb;79(3):815-9

Conformational dynamics of a biologically active three-fragment complex of horse cytochrome c. Juillerat M, et al. **Proc Natl Acad Sci USA** 1982 Mar;79(6):1825-9

ADMINISTRATION & DOSAGE

[Use water-soluble and lipid-bound forms of cytochrome C for the treatment of experimental hemorrhagic shock] Slepneva LV, et al. **Probl Gematol Pereliv Krovi** 1981 Sep; 26(9):48-51 (Eng. Abstr.) **(Rus)**

ANALOGS & DERIVATIVES

N.m.r. and e.p.r. characterization of [4-carboxy-2,6-dinitrophenyl-lysine]cytochromes c. Falk KE, et al. **Biochem J** 1981 Mar 1;193(3):1021-4

Guanidine hydrochloride induced unfolding of yeast iso-1 cytochrome c. Nall BT, et al. **Biochemistry** 1981 Sep 15; 20(19):5403-11

Affinity chromatography purification of cytochrome c oxidase and b-c1 complex from beef heart mitochondria. Use of thiol-sepharose-bound Saccharomyces cerevisiae cytochrome c. Bill K, et al. **Biochim Biophys Acta** 1982 Jan 20;679(1):28-34

The reaction between cytochrome c1 and cytochrome c. König BW, et al. **Biochim Biophys Acta** 1981 Jun 12; 636(1):9-16

The reaction of the trifluoromethylphenylcarbamylated lysine-13 derivative of horse cytochrome c with cytochrome oxidase. Smith L, et al. **Biochim Biophys Acta** 1982 Jan 18;700(2):184-91

The absorbance coefficient of beef heart cytochrome c1. Tervoort MJ, et al. **Biochim Biophys Acta** 1981 Sep 14; 637(2):245-51

Myxothiazol, a new inhibitor of the cytochrome b-c1 segment of th respiratory chain. Thierbach G, et al. **Biochim Biophys Acta** 1981 Dec 14;638(2):282-9

Function of the iron-sulfur protein of the cytochrome b-c1 segment in electron-transfer and energy-conserving reactions of the mitochondrial respiratory chain. Trumpower BL. **Biochim Biophys Acta** 1981 Dec 4; 639(2):129-55 (142 ref.)

An extensive deletion causing overproduction of yeast iso-2-cytochrome c. McKnight GL, et al. **Cell** 1981 Aug; 25(2):409-19

DNA sequence of a mutation in the leader region of the yeast iso-1-cytochrome c mRNA. Stiles JI, et al. **Cell** 1981 Jul;25(1):277-84

Sequence of the yeast iso-1-cytochrome c mRNA. Boss JM, et al. **J Biol Chem** 1981 Dec 25;256(24):12958-61

Differential accumulation of two apo-iso-cytochromes c in processing mutants of yeast. Matner RR, et al. **J Biol Chem** 1982 Aug 25;257(16):9811-21

The molecular characterization of three transcriptional mutations in the yeast iso-2-cytochrome c gene.

Montgomery DL, et al. **J Biol Chem** 1982 Jul 10; 257(13):7756–61

Transposition of the gene cluster CYC1–OSM1–RAD7 in yeast. Stiles JI, et al. **J Mol Biol** 1981 Jun 5;148(4):331–46

ANALYSIS

Advantages of ferric ferricyanide to detect certain peptides and proteins on chromatograms. Lutz WB, et al. **Anal Biochem** 1982 Mar 1;120(2):410–3

Cytochrome C553 from Desulfovibrio vulgaris: potentiometric characterization by optical and EPR studies. Bertrand P, et al. **Biochem Biophys Res Commun** 1982 Jun 15;106(3):756–60

Resonance Raman spectra of cytochromes c and b in Paracoccus denitrificans membranes: evidence for heme–heme interactions. Adar F, et al. **Biochemistry** 1981 Dec 22;20(26):7528–31

Amino-acid sequence of the cytochrome c from the yeast Hansenula anomala. Identification of three methylated positions. Becam AM, et al. **Eur J Biochem** 1981 Aug; 118(2):295–302

Study of 'difficult peptides' from Paracoccus cytochrome c–550 and a dolphin cytochrome c. Fast atom bombardment: a new method for molecular weight and sequence determination of peptides. Williams DH, et al. **FEBS Lett** 1981 Jun 1;128(1):37–9

Changes in the cytochrome c content during the aerobic adaptation of Paracoccus denitrificans. Stros M, et al. **Folia Microbiol (Praha)** 1982;27(1):11–8

Skeletal muscle cytochrome c and myoglobin, endurance, and frequency of training. Hickson RC. **J Appl Physiol** 1981 Sep;51(3):746–9

Studies on algal cytochromes. III. Amino acid sequence of cytochrome c–553 from a brown alga, Petalonia fascia. Sugimura Y, et al. **J Biochem (Tokyo)** 1981 Oct; 90(4):1213–9

A reassessment of the structure of Paracoccus cytochrome c–550. Ambler RP, et al. **J Mol Biol** 1981 Apr 5; 147(2):351–6

Bacterial haem-iron detection using occult blood tests. Gutteridge JM, et al. **Med Lab Sci** 1981 Jul;38(3):281–3

Preparation of site-specific anti-cytochrome c antibodies and their application. Jemmerson R, et al. **Methods Enzymol** 1981;74 Pt C:244–62

BIOSYNTHESIS

Assembly of cytochrome c. Apocytochrome c is bound to specific sites on mitochondria before its conversion to holocytochrome c. Hennig B, et al. **Eur J Biochem** 1981 Dec;121(1):203–12

CLASSIFICATION

Kinetic and structural differences between cytochrome c oxidases from beef liver and heart. Merle P, et al. **Eur J Biochem** 1982 Jun 15;125(1):239–44

Metal coordination centres of class II cytochromes c. Moore GR, et al. **Eur J Biochem** 1982 Mar;123(1):73–80

GENETICS

Structure of the Schizosaccharomyces pombe cytochrome c gene. Russell PR, et al. **Mol Cell Biol** 1982 Feb; 2(2):106–16

The cyc1–11 mutation in yeast reverts by recombination with a nonallelic gene: composite genes determining the iso-cytochromes c. Ernst JF, et al. **Proc Natl Acad Sci USA** 1981 Oct;78(10):6334–8

Cytochrome c gene-related sequences in mammalian genomes. Scarpulla RC, et al. **Proc Natl Acad Sci USA** 1982 Feb;79(3):739–43

IMMUNOLOGY

Cytochrome c specific T cell hybrid. Carel S, et al. **Curr Top Microbiol Immunol** 1982;100:111–6

The effect of antigen presentation on the fine specificity of anti-cytochrome c T cell hybridomas. Heber-Katz E, et al. **Curr Top Microbiol Immunol** 1982;100:117–24

Lymphocyte specificity to protein antigens. V. Conformational dependence of activation of cytochrome c-specific T cells. Buchmüller Y, et al. **Eur J Immunol** 1982 May;12(5):412–6

Parallel cross-reactivity patterns of 2 sets of antigenically distinct cytochrome c peptides: possible evidence for a presentational model of Ir gene function. Hansburg D, et al. **J Immunol** 1981 Nov;127(5):1844–51

The T lymphocyte response to cytochrome C. III. Relationship of the fine specificity of antigen recognition to major histocompatibility complex genotype. Matis LA, et al. **J Immunol** 1982 Jun;128(6):2439–46

Immune recognition of cytochrome C. I. Investigation by synthesis whether antigenic sites of polymeric cytochrome coincide with locations of sequence differences between the immunizing and host cytochrom s. Atassi MZ. **Mol Immunol** 1981 Nov;18(11):1021–

Specificity of rabbit antisera for peptide 81–104 of horse cytochrome c is dominated by C-terminal residues. Wang KM, et al. **Mol Immunol** 1982 May;19(5):729–36

[Immunochemical analysis of equine cytochrome C. Stoichiometry of the interaction and cytochrome C affinity for specific Fab fragments] Komissarenko SV, et al. **Dokl Akad Nauk SSSR** 1982;264(3):752–5 **(Rus)**

ISOLATION & PURIFICATION

Purification and characterization of cytochrome C3 (Mr 26,000) isolated form Desulfovibrio desulfuricans Norway strain. Guerlesquin F, et al. **Biochem Biophys Res Commun** 1982 Mar 30;105(2):530–8

Purification and characterization of the cytochrome c oxidase from Rhodopseudomonas sphaeroides. Gennis RB, et al. **Eur J Biochem** 1982 Jun 15;125(1):189–95

Purification and properties of the diheme cytochrome (cytochrome c–552) from Pseudomonas perfectomarinus. Liu MC, et al. **FEBS Lett** 1981 Jun 29;129(1):155–60

Two cytochromes c of Methylomonas J. Ohta S, et al. **J Biochem (Tokyo)** 1981 Jul;90(1):215–24

METABOLISM

Protein methylation: cytochrome c methylation as a model system. Paik WK, et al. **Adv Enzyme Regul** 1980;19:471–86

Sequence of development of iron deficiency in the rat. Dallman PR, et al. **Am J Clin Nutr** 1982 Apr;35(4):671–7

Separate turnover of cytochrome c and myoglobin in the red types of skeletal muscle. Hickson RC, et al. **Am J Physiol** 1981 Sep;241(3):C140–4

N-[1-13C]acetylimidazole as a reagent for tyrosyl modification in protein NMR studies: acetylation of cytochrome c. Nieman RA, et al. **Anal Biochem** 1982 Mar 1;120(2):347–50

NADH/NADPH—cytochrome c reductase assay: interference by nonenzymatic cytochrome c reducing activity in plant extracts. Pohl U, et al. **Anal Biochem** 1981 Sep 15;116(2):425–32

Investigation of electron transfer between platinum and large biological molecules by thin-layer spectroelectrochemistry. Durliat H, et al. **Anal Chem** 1982 May;54(6):856–61

Studies of the kinetics of oxidation of cytochrome c by cytochrome c oxidase: comparison of the reactions of purified and membrane-bound oxidase. Davies HC, et al. **Arch Biochem Biophys** 1981 Aug;210(1):49–55

Diffusion-controlled reaction kinetics of the binding of carbon monoxide to the heme undecapeptide of cytochrome c (microperoxidase 11) in high viscosity solvents. Hasinoff BB. **Arch Biochem Biophys** 1981 Oct 1; 211(1):396–402

Effect of modification of cytochrome c on its reactions with superoxide and NADPH:cytochrome P-450 reductase. Finkelstein E, et al. **Biochem Biophys Res Commun** 1981 Oct 15;102(3):1008–15

The indispensibility of a mitochondrial 15K protein for the formation of the cytochrome C1–cytochrome c complex. Kim CH, et al. **Biochem Biophys Res Commun** 1981 Jul 30;101(2):607–14

The binding of platinum complexes to tuna cytochrome c. Boswell AP, et al. **Biochem J** 1982 Mar 1;201(3):523–6

Properties of ubiquinol oxidase reconstituted from ubiquinol–cytochrome c reductase, cytochrome c and cytochrome c oxidase. Diggens RJ, et al. **Biochem J** 1982 Feb 15;202(2):527–34

Purification and properties of a cross-linked complex between cytochrome c and cytochrome c peroxidase. Pettigrew GW, et al. **Biochem J** 1982 Jan 1;201(1):9–18

Kinetic studies on the reduction of cytochrome c. Reaction with dihydroxy conjugated compounds (catechols and quinols). Saleem MM, et al. **Biochem J** 1982 Mar 1; 201(3):433–44

The kinetics of electron transfer between pseudomonas aeruginosa cytochrome c–551 and its oxidase. Silvestrini MC, et al. **Biochem J** 1982 May 1;203(2):445–51

Laser flash photolysis studies of electron transfer between semiquinone and fully reduced free flavins and the cytochrome c–cytochrome oxidase complex. Ahmad I, et al. **Biochemistry** 1982 Jun 22;21(13):3122–8

Cytochrome c specific methylase from wheat germ. DiMaria P, et al. **Biochemistry** 1982 Mar 2;21(5):1036–44

Covalent complex between yeast cytochrome c and beef heart cytochrome c oxidase which is active in electron transfer. Fuller SD, et al. **Biochemistry** 1981 Nov 24; 20(24):7046–53

Spectrophotometric analysis of the interaction between cytochrome b5 and cytochrome c. Mauk MR, et al. **Biochemistry** 1982 Apr 13;21(8):1843–6

Anion and ionic strength effects upon the oxidation of cytochrome c by cytochrome c oxidase. Brooks SP, et al. **Biochim Biophys Acta** 1982 Apr 19;680(1):33–43

Transglutaminase-catalysed incorporation of putrescine into denatured cytochrome. Preparation of a mono-substituted derivative reactive with cytochrome c oxidase. Butler SJ, et al. **Biochim Biophys Acta** 1981 Sep 29;670(2):214–21

The reaction between cytochrome c1 and cytochrome c. König BW, et al. **Biochim Biophys Acta** 1981 Jun 12; 636(1):9–16

Electrocatalytic four-electron reduction of oxygen at the cytochrome c3-adsorbed electrode. Niki K, et al. **Biochim Biophys Acta** 1981 Jul;636(2):136–43

Kinetic and equilibrium studies of alkaline isomerization of vertebrate cytochromes c. Saigo S. **Biochim Biophys Acta** 1981 Jun 29;669(1):17–20

Chemiluminescence in the reaction of cytochrome c with hydrogen peroxide. Slawinski J, et al. **Biochim Biophys Acta** 1981 Aug 12;637(1):130–7

The reaction of the trifluoromethylphenylcarbamylated lysine-13 derivative of horse cytochrome c with cytochrome oxidase. Smith L, et al. **Biochim Biophys Acta** 1982 Jan 18;700(2):184–91

The reaction of cytochrome aa3 with (porphyrin) cytochrome c as studied by pulse radiolysis. Veerman EC, et al. **Biochim Biophys Acta** 1982 May 19;680(2):134–41

The effect of pH and ionic strength on the pre-steady-state reaction of cytochrome c and cytochrome aa3. Wilms J, et al. **Biochim Biophys Acta** 1981 Aug 12;637(1):168–76

Electron transfer between horse heart and Candida krusei cytochromes c in the free and bound states. Yoshimura T, et al. **Biochim Biophys Acta** 1981 Jul;636(2):129–35

Dielectric constant dependence of biological oxidation-reduction. 1. A model of polarity-dependent ferrocytochrome c oxidation. Fragata M, et al. **Biophys Chem** 1982 May;15(2):111–9

Analysis of the ionization constants and heats of ionization of reduced and oxidized horse heart cytochrome c. Marini MA, et al. **Biopolymers** 1981 Oct;20(10):2253–61

Analysis of the potentiometric titration of reduced horse heart cytochrome c. Marini MA, et al. **Biopolymers** 1981 Oct;20(10):2243–52

Investigation of electron-transfer reactions of proteins by electrochemical methods. Eddowes MJ, et al. **Biosci Rep** 1981 Jul;1(7):521–32 (47 ref.)

Cytochrome c reduction by cysteine plus copper: a pseudosubstrate system for cytochrome c oxidase. Hill BC, et al. **Can J Biochem** 1980 Jun;58(6):499–503

1H NMR studies of eukaryotic cytochrome c. Resonance assignments and iron-hexacyanide-mediated electron exchange. Boswell AP, et al. **Eur J Biochem** 1982 May 17;124(2):289–94

1H NMR studies of the electron exchange between cytochrome c and iron hexacyanides. Definition of the iron hexacyanide binding sites on cytochrome c. Eley CG, et al. **Eur J Biochem** 1982 May 17;124(2):295–303

Electron transfer between azurin from Alcaligenes faecalis and cytochrome c551 from Pseudomonas aeruginosa. Rosen P, et al. **Eur J Biochem** 1981 Nov;120(2):339–44

Activation, reduction and proton-deuterium exchange reaction of the periplasmic hydrogenase from Desulfovibrio gigas in relation with the role of cytochrome c3. Berlier YM, et al. **FEBS Lett** 1982 Apr 19;140(2):185–8

Structural and functional features of the interaction of cytochrome c with complex III and cytochrome c oxidase. Capaldi RA, et al. **FEBS Lett** 1982 Feb 8;138(1):1–7 (48 ref.)

The effect of trifluoroacetyl-cytochrome c on the cytochrome c/cytochrome c oxidase reaction. Gergerich J, et al. **Hoppe Seylers Z Physiol Chem** 1981 Nov; 362(11):1533–7

Clostripain-catalyzed re-formation of a peptide bond in a cytochrome C fragment complex. Juillerat M, et al. **Int J Pept Protein Res** 1981 Oct;18(4):335–42

Regulation of electron transfer by sidedness-dependent surface pH. Dependence of the rate of cytochrome c–555 reduction on H^+ concentration in the surface region on the periplasmic side of photosynthetic membranes in whole cells, spheroplasts and chromatophores of Chromatium vinosum. Hashimoto K, et al. **J Biochem (Tokyo)** 1981 Mar; 89(3):909–18

Characterization of electron donation to cytochrome c–555 in Chromatium vinosum from ferrocyanide, tetramethylphenylenediamine and reduced dimethylquinone. Effects of redox potential, pH and salt concentration. Hashimoto K, et al. **J Biochem (Tokyo)** 1982 Apr;91(4):1111–20

Kinetic characterization of the interaction between cytochrome oxidase and cytochrome c. Antalis TM, et al. **J Biol Chem** 1982 Jun 10;257(11):6194–206

The effect of methylation on cytochrome c fragment complementation. Brems DN, et al. **J Biol Chem** 1981 Nov 25;256(22):11688–90

Kinetics and mechanism of the reduction of ferricytochrome c by the superoxide anion. Butler J, et al. **J Biol Chem** 1982 Sep 25;257(18):10747–50

Fluorescence energy transfer studies of the interaction between adrenodoxin and cytochrome c. Geren LM, et al. **J Biol Chem** 1981 Oct 25;256(20):10485–9

The asymmetric distribution of charges on the surface of horse cytochrome c. Functional implications. Koppenol WH, et al. **J Biol Chem** 1982 Apr 25;257(8):4426–37

A thermodynamic study of ordered complexes of cytochrome c fragments. Kinetic and equilibrium measurements and comparison with the folding of the intact protein. Parr GR, et al. **J Biol Chem** 1982 Sep 10;257(17):10103–11

The cytochrome c peroxidase.cytochrome c electron transfer complex. Experimental support of a hypothetical model. Waldmeyer B, et al. **J Biol Chem** 1982 Jun 10; 257(11):6073–6

Kinetic data for redox reactions of cytochrome c with Fe(CN)$_6^{3-}$X complexes and the question of association prior to electron transfer. Butler J, et al. **J Inorg Biochem** 1981 Aug;15(1):41–53

A study of the electron transfer properties of the heme undecapeptide from cytochrome c by 1H nmr spectroscopy. Kimura K, et al. **J Inorg Biochem** 1981 Aug; 15(1):11–25

Complexes of iron and cobalt tetrasulfonated phthalocyanines with apocytochrome c. Przywarska-Boniecka H, et al. **J Inorg Biochem** 1982 Jun;16(3):183–99

Cytochrome c4 from Pseudomonas aeruginosa. Sawyer L, et al. **J Mol Biol** 1981 Dec 15;153(3):831–5

Laser flash photolysis studies of electron transfer between

semiquinone and fully reduced free flavins and horse heart cytochrome c. Ahmad I, et al.
Proc Natl Acad Sci USA 1981 Nov;78(11):6724–8

In vitro synthesis and posttranslational uptake of cytochrome c into isolated mitochondria: role of a specific addressing signal in the apocytochrome. Matsuura S, et al.
Proc Natl Acad Sci USA 1981 Jul;78(7):4368–72

[Cytochromes c and P-450 as terminal acceptors in a reconstituted system of mitochondrial hydroxylation] Armenian AG, et al. **Biokhimiia** 1982 May;47(5):784–90 (Eng. Abstr.) **(Rus)**

[Low potential c-type cytochrome of Thiocapsa roseopersicina] Korsunskii OF, et al. **Biokhimiia** 1982 Mar; 47(3):355–60 (Eng. Abstr.) **(Rus)**

[Electron transfer in hemoproteins. VIII. Influence of ionic strength on the rate of reduction of ferricytochrome c by oxymyoglobin derivatives, chemically modified at histidine residues] Postnikova GB, et al. **Mol Biol (Mosk)** 1982 Jan–Feb;16(1):104–16 (Eng. Abstr.) **(Rus)**

PHARMACODYNAMICS

Clonal analysis of the BALB/c T cell proliferative response to apo beef cytochrome c. Corradin G, et al.
J Immunol 1981 Dec;127(6):2442–6

[Effect of tyrosine-74-modified cytochrome C on electron transfer in Keilin-Hartree submitochondrial particles] Mitovska M, et al. **Eksp Med Morfol** 1981;20(3):129–34 (Eng. Abstr.) **(Bul)**

[Effect of cytochrome c on the activity of lysosomal enzymes in the rat liver under hypobaric hypoxia] Popov IP.
Ukr Biokhim Zh 1981 Sep-Oct;53(5):103–6 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

Inhibition of microsomal drug metabolism by mitochondria and cytochrome c oxidation of extramitochondrial NADPH. Tihanyi K, et al. **Biochem Pharmacol** 1982 Mar 1;31(5):661–3

A partial resolution and reconstitution of the ammonia-oxidizing system of Nitrosomonas europaea: role of cytochrome c554. Suzuki I, et al. **Can J Biochem** 1981 Jul;59(7):484–8

THERAPEUTIC USE

[Treatment of the early homeostatic disorders by using cytochrome C, a sodium persulfate preparation and contrical in tourniquet shock] Levandovskii IV, et al.
Anesteziol Reanimatol 1981 May-Jun;(3):60–3 (Eng. Abstr.) **(Rus)**

[Pharmacodynamics and therapeutic efficacy of cyto-poppy in patients with respiratory insufficiency] Kukes VG, et al. **Ter Arkh** 1982;54(4):111–4 (Eng. Abstr.) **(Rus)**

CYTOCHROME C-1 see under **CYTOCHROME C**

CYTOCHROME OXIDASE

The effect of phospholipid depletion on the EPR behavior of cytochrome oxidase. Wei YH, et al.
Arch Biochem Biophys 1981 Sep;210(2):653–65

Additional components of bovine heart cytochrome c oxidase demonstrated by high-resolution polyacrylamide-gel electrophoresis in the presence of chloral hydrate. Griffin DC, et al. **Biochem J** 1981 Aug 1;197(2):333–44

Characterization of the partially reduced cyanide-inhibited derivative of cytochrome c oxidase by optical, electron-paramagnetic-resonance and magnetic-circular-dichroism spectroscopy. Johnson MK, et al. **Biochem J** 1981 Mar 1;193(3):699–708

Reactivity of photoreduced cytochrome aa3 complexes with molecular oxygen. Nicholls P, et al. **Biochem J** 1981 Mar 15;194(3):713–20

A study of the magnetic properties of haem a3 in cytochrome c oxidase by using magnetic-circular-dichroism spectroscopy. Thomson AJ, et al. **Biochem J** 1981 Mar 1;193(3):687–97

Immunological and chemical characterization of rat liver cytochrome c oxidase. Merle P, et al.
Biochim Biophys Acta 1981 Jul 28;669(2):222–30

Copper and manganese electron spin resonance studies of cytochrome c oxidase from Paracoccus denitrificans. Seelig A, et al. **Biochim Biophys Acta** 1981 Jul;636(2):162–7

Resonance Raman spectra of heme c and heme d1 in Pseudomonas cytochrome oxidase. Ching Y, et al.
FEBS Lett 1982 Feb 22;138(2):239–44

Structural features of the copper-depleted cytochrome oxidase from beef heart: iron EXAFS. Powers L, et al.
FEBS Lett 1982 Feb 22;138(2):245–8

ANALYSIS

Conformations of oxidized cytochrome c oxidase. Brudvig GW, et al. **Biochemistry** 1981 Jun 23;20(13):3912–21

Bilayer thickness and enzymatic activity in the mitochondrial cytochrome c oxidase and ATPase complex. Montecucco C, et al. **FEBS Lett** 1982 Jul 19;144(1):143–8

ANTAGONISTS & INHIBITORS

Inhibition of cytochrome c oxidase function by dicyclohexylcarbodiimide. Prochaska LJ, et al.
Biochim Biophys Acta 1981 Sep 14;637(2):360–73

The effects of cyanide, azide, carbon monoxide and salicylhydroxamic acid on whole-cell respiration of Acanthamoeba castellanii. Lloyd D, et al.
J Gen Microbiol 1982 Jan;128 (Pt 1):185–8

Cytochrome c oxidase inhibition by anesthetics: thermodynamic analysis. Vanderkooi G, et al.
Proc Natl Acad Sci USA 1982 Jun;79(12):3749–53

BIOSYNTHESIS

Proteolytic precursor processing in the biosynthesis of mitochondria. Heinrich PC, et al. **Acta Biol Med Ger** 1981; 40(10–11):1451–63

Studies on the assembly of cytochrome oxidase in isolated rat hepatocytes. Wielburski A, et al. **Biochem J** 1982 Apr 15;204(1):239–45

Synthesis and assembly of cytochrome c oxidase in synchronous cultures of yeast. Somasundaram T, et al.
Biochemistry 1981 Sep 15;20(19):5369–73

The size and distribution of cytochrome c oxidase subunit IV mRNA between free and membrane-bound polyribosomes. Northemann W, et al. **Eur J Biochem** 1981 Sep;119(1):203–8

Larger precursors of mitochondrial translation products in Neurospora crassa. Indications for a precursor of subunit 1 of cytochrome c oxidase. Van't Sant P, et al.
Eur J Biochem 1981 Dec;121(1):21–6

[The mitochondriogenesis and the turnover of cytochrome c oxidase (author's transl)] Amuro N.
Nippon Ika Daigaku Zasshi 1982;49(3):321–31 (Eng. Abstr.) **(Jpn)**

CLASSIFICATION

Kinetic and structural differences between cytochrome c oxidases from beef liver and heart. Merle P, et al.
Eur J Biochem 1982 Jun 15;125(1):239–44

DEFICIENCY

Respiration-defective Chinese hamster cell mutants containing low levels of NADH-ubiquinone reductase and cytochrome c oxidase. Malczewski RM, et al.
J Biol Chem 1982 Jul 25;257(14):8137–42

Cytochrome-c-oxidase deficiency in a floppy infant. Heiman-Patterson TD, et al. **Neurology (NY)** 1982 Aug; 32(8):898–901

GENETICS

Regulation of the nuclear-coded peptides of yeast cytochrome c oxidase. Lustig A, et al. **Biochemistry** 1982 Jan 19;21(2):309–16

Critical sequences within mitochondrial introns: pleiotropic mRNA maturase and cis-dominant signals of the box intron controlling reductase and oxidase. De La Salle H, et al.
Cell 1982 Apr;28(4):721–32

The Zea mays mitochondrial gene coding cytochrome oxidase subunit II has an intervening sequence and does not contain TGA codons. Fox TD, et al. **Cell** 1981 Nov; 26(3 Pt 1):315–23

Critical sequences within mitochondrial introns: cis-dominant mutations of the 'cytochrome-b-like' intron of the oxidase gene. Netter P, et al. **Cell** 1982 Apr; 28(4):733–8

Mr-values of mature subunits I and III of beef heart cytochrome c oxidase in relationship to nucleotide sequences of their genes. Darley-Usmar VM, et al.
FEBS Lett 1981 Nov 30;135(1):164–6

Tissue-specific genes code for polypeptide VIa of bovine liver and heart cytochrome c oxidase. Kadenbach B, et al. **FEBS Lett** 1982 Feb 22;138(2):236–8

Immunochemical identification of products of the mitochondrial cytochromoxidase gene expressed in E. coli cells. Kisselev V, et al. **Immunol Lett** 1982 Mar;4(3):145–7

Cytochrome oxidase subunit III gene in Neurospora crassa mitochondria. Location and sequence. Browning KS, et al. **J Biol Chem** 1982 May 10;257(9):5253–6

Cytochrome c oxidase in cytochrome c oxidase-deficient mutant strains of Neurospora crassa. Stade S, et al.
J Biol Chem 1981 Oct 25;256(20):10235–8

The maxicircle of Trypanosoma brucei kinetoplast DNA hybridizes with a mitochondrial gene encoding cytochrome oxidase subunit II. Johnson BJ, et al.
Mol Biochem Parasitol 1982 Jun;5(6):381–90

Single base substitution in an intron of oxidase gene compensates splicing defects of the cytochrome b gene. Dujardin G, et al. **Nature** 1982 Aug 12;298(5875):628–32

Novel features of animal mtDNA evolution as shown by sequences of two rat cytochrome oxidase subunit II genes. Brown GG, et al. **Proc Natl Acad Sci USA** 1982 May; 79(10):3246–50

[Characterization of a yeast nuclear gene involved in the maturation of mitochondrial pre-messenger RNA of cytochrome c oxidase (author's transl)] Faye G, et al.
C R Seances Acad Sci [III] 1982 Feb 1;294(5):245–8 (Eng. Abstr.) **(Fre)**

ISOLATION & PURIFICATION

An active cytochrome c oxidase depleted of subunit III prepared by covalent chromatography on yeast cytochrome c. Bill K, et al.
Biochem Biophys Res Commun 1982 Jun 30;106(4):1203–9

Preparation of two-dimensional arrays from purified beef heart cytochrome c oxidase. Fuller SD, et al.
Biochemistry 1982 May 11;21(10):2525–9

Affinity chromatography purification of cytochrome c oxidase and b-c1 complex from beef heart mitochondria. Use of thiol-sepharose-bound Saccharomyces cerevisiae cytochrome c. Bill K, et al. **Biochim Biophys Acta** 1982 Jan 20;679(1):28–34

Isolation and purification of the cytochrome oxidase of Azotobacter vinelandii. Jurtshuk P Jr, et al.
Biochim Biophys Acta 1981 Sep 14;637(2):374–82

Purification and characterization of the cytochrome c oxidase from Rhodopseudomonas sphaeroides. Gennis RB, et al.
Eur J Biochem 1982 Jun 15;125(1):189–95

Subunit stoichiometry of cytochrome c oxidase of bovine heart. Verheul FE, et al. **Eur J Biochem** 1981 Oct; 119(2):401–8

The subunit composition of pea cytochrome c oxidase. Matsuoka M, et al. **J Biochem (Tokyo)** 1981 Sep; 90(3):649–55

The partially reduced species present in purified cytochrome oxidase from baker's yeast is cytochrome a. Siedow JN, et al. **J Bioenerg Biomembr** 1981 Aug;13(3–4):171–9

Solubilized cytochrome c oxidase from Paracoccus denitrificans is a monomer. Ludwig B, et al.
J Biol Chem 1982 May 25;257(10):5576–8

Large scale isolation and properties of subunits from bovine heart cytochrome oxidase. Wei YH, et al. **J Biol Chem** 1981 Nov 10;256(21):10999–1003

Affinity chromatography purification of cytochrome c binding enzymes. Azzi A, et al.
Proc Natl Acad Sci USA 1982 Apr;79(8):2447–50

METABOLISM

Spectrophotometric monitoring of O2 delivery to the exposed rat kidney. Balaban RS, et al. **Am J Physiol** 1981 Sep;241(3):F257–62

Iron-ethylenediaminetetraacetic acid (EDTA)-catalyzed superoxide dismutation revisited: an explanation of why the dismutase activity of Fe-EDTA cannot be detected in the cytochrome c/Xanthine oxidase assay system. Bull C, et al. **Arch Biochem Biophys** 1982 May;215(2):551–5

Studies of the kinetics of oxidation of cytochrome c by cytochrome c oxidase: comparison of the reactions of purified and membrane-bound oxidase. Davies HC, et al.
Arch Biochem Biophys 1981 Aug;210(1):49–55

Ca2+ transport against its electrochemical gradient in cytochrome oxidase vesicles reconstituted with mitochondrial hydrophobic proteins. Rosier RN, et al.
Arch Biochem Biophys 1981 Sep;210(2):549–64

Aging-related decrease in hepatic cytochrome oxidase of the Fischer 344 rat. Vorbeck ML, et al.
Arch Biochem Biophys 1982 Mar;214(1):67–79

Do cyanobacteria contain 'mammalian-type' cytochrome oxidase? Peschek GA, et al. **Arch Microbiol** 1982 May; 131(3):261–5

Identification of cysteines in subunit II as ligands to the redox centers of bovine cytochrome c oxidase. Darley-Usmar VM, et al. **Biochem Biophys Res Commun** 1981 Dec 31; 103(4):1223–30

Adriamycin inactivates cytochrome c oxidase by exclusion of the enzyme from its cardiolipin essential environment. Goormaghtigh E, et al. **Biochem Biophys Res Commun** 1982 Jan 15;104(1):314–20

Properties of ubiquinol oxidase reconstituted from ubiquinol-cytochrome c reductase, cytochrome c and cytochrome c oxidase. Diggens RJ, et al. **Biochem J** 1982 Feb 15;202(2):527–34

Androgens regulate mitochondrial cytochrome c oxidase and lysosomal hydrolases in mouse skeletal muscle. Koenig H, et al. **Biochem J** 1980 Oct 15;192(1):349–53

Titration and steady-state behaviour of the 830 nm chromophore in cytochrome c oxidase. Nicholls P, et al.
Biochem J 1982 Jun 1;203(3):541–9

The kinetics of electron transfer between pseudomonas aeruginosa cytochrome c-551 and its oxidase. Silvestrini MC, et al. **Biochem J** 1982 May 1;203(2):445–51

An investigation by e.p.r. and optical spectroscopy of cytochrome oxidase during turnover. Wilson MT, et al.
Biochem J 1982 May 1;203(2):483–92

Interaction of drugs with a model membrane protein. Effect of dibucaine on cytochrome oxidase proteoliposomes. Singer MA. **Biochem Pharmacol** 1982 Feb 15;31(4):527–34

Laser flash photolysis studies of electron transfer between semiquinone and fully reduced free flavins and the cytochrome c-cytochrome oxidase complex. Ahmad I, et al. **Biochemistry** 1982 Jun 22;21(13):3122–8

Cytochrome c oxidase binding of hydrogen peroxide. Bickar D, et al. **Biochemistry** 1982 May 25;21(11):2661–6

Covalent complex between yeast cytochrome c and beef heart cytochrome c oxidase which is active in electron transfer. Fuller SD, et al. **Biochemistry** 1981 Nov 24; 20(24):7046–53

Spin-label studies of head-group specificity in the interaction of phospholipids with yeast cytochrome oxidase. Knowles PF, et al. **Biochemistry** 1981 Sep 29;20(20):5888–94

Specificity and binding affinity of phospholipids to the high-affinity cardiolipin sites of beef heart cytochrome c oxidase. Robinson NC. **Biochemistry** 1982 Jan 5;21(1):184–8

EPR studies of the photodissociation reactions of cytochrome c oxidase-nitric oxide complexes. Boelens R, et al.
Biochim Biophys Acta 1982 Jan 20;679(1):84–94

Anion and ionic strength effects upon the oxidation of

cytochrome c by cytochrome c oxidase. Brooks SP, et al. **Biochim Biophys Acta** 1982 Apr 19;680(1):33–43

Transglutaminase–catalysed incorporation of putrescine into denatured cytochrome. Preparation of a mono–substituted derivative reactive with cytochrome c oxidase. Butler SJ, et al. **Biochim Biophys Acta** 1981 Sep 29;670(2):214–21

Structural studies on the cytochrome c oxidase proton pump using a spin–label probe. Casey RP, et al. **Biochim Biophys Acta** 1981 Nov 12;638(1):86–93

The effect of cytochrome oxidase on lipid chain dynamics. A nanosecond fluorescence depolarization study. Kinosita K Jr, et al. **Biochim Biophys Acta** 1981 Sep 21;647(1):7–17

Oxidation of sulphide by cytochrome aa3. Nicholls P, et al. **Biochim Biophys Acta** 1981 Sep 14;637(2):312–20

The reaction of the trifluoromethylphenylcarbamylated lysine–13 derivative of horse cytochrome c with cytochrome oxidase. Smith L, et al. **Biochim Biophys Acta** 1982 Jan 18;700(2):184–91

The reaction of cytochrome aa3 with (porphyrin) cytochrome c as studied by pulse radiolysis. Veerman EC, et al. **Biochim Biophys Acta** 1982 May 19;680(2):134–41

The effect of pH and ionic strength on the pre–steady–state reaction of cytochrome c and cytochrome aa3. Wilms J, et al. **Biochim Biophys Acta** 1981 Aug 12;637(1):168–76

Coulometric and potentiometric evaluation of the redox components of cytochrome c oxidase in situ. Wilson DF, et al. **Biochim Biophys Acta** 1982 Jun 18;680(3):233–41

Cytochrome c reduction by cysteine plus copper: a pseudosubstrate system for cytochrome c oxidase. Hill BC, et al. **Can J Biochem** 1980 Jun;58(6):499–503

Optimal conditions for assay of cytochrome–c–oxidase activity in human skeletal muscle tissue. Bylund–Fellenius AC, et al. **Clin Physiol** 1982 Feb;2(1):71–9

Physiological and biochemical effects of acute exposure of fish to hydrogen sulfide. Torrans EL, et al. **Comp Biochem Physiol [C]** 1982;71(2):183–90

The cycling of oxygen through intermediates in the cytochrome oxidase–oxygen reaction. Chance B. **Curr Top Cell Regul** 1981;18:343–60

Studies on the transmembrane orientation of cytochrome c oxidase in phospholipid vesicles. Casey RP, et al. **Eur J Biochem** 1982 Feb;122(2):313–8

Effect of cuprizone feeding on hepatic superoxide dismutase and cytochrome oxidase activities in mice. De AK, et al. **Experientia** 1982 Jul 15;38(7):784–5

Structural and functional features of the interaction of cytochrome c with complex III and cytochrome c oxidase. Capaldi RA, et al. **FEBS Lett** 1982 Feb 8;138(1):1–7 (48 ref.)

On the function of multiple subunits of cytochrome c oxidase from higher eukaryotes. Kadenbach B, et al. **FEBS Lett** 1981 Nov 30;135(1):1–11 (133 ref.)

o–Type cytochrome oxidase in the membrane of aerobically grown Pseudomonas aeruginosa. Matsushita K, et al. **FEBS Lett** 1982 Mar 22;139(2):255–8

Photolysis at very low temperatures of co–liganded cytochrome oxidase (cytochrome d) in oxygen–limited Escherichia coli. Poole RK, et al. **FEBS Lett** 1982 May 17;141(2):237–41

Oxidative enzymes in the urinary apparatus of several marine fishes. Hentschel H, et al. **Histochem J** 1982 Jan;14(1):49–72

Variations in epidermal cytochrome oxidase activity after local irradiation. Itoiz ME, et al. **Histochem J** 1982 Mar; 14(2):205–13

The effect of trifluoroacetyl–cytochrome c on the cytochrome c/cytochrome c oxidase reaction. Gergerich J, et al. **Hoppe Seylers Z Physiol Chem** 1981 Nov; 362(11):1533–7

Mitochondrial biogenesis during fungal spore germination: respiration and cytochrome c oxidase in Neurospora crassa. Stade S, et al. **J Bacteriol** 1981 Sep;147(3):757–67

Presence of an inactive protein immunologically analogous to cytochrome c oxidase in the inner membrane of sweet potato root mitochondria. Maeshima M, et al. **J Biochem (Tokyo)** 1981 Aug;90(2):399–406

Mechanism of increase in cytochrome c oxidase activity in sweet potato root tissue during aging of slices. Maeshima M, et al. **J Biochem (Tokyo)** 1981 Aug;90(2):391–7

Estimation of lipid regions in a cytochrome oxidase–lipid complex using spin labeling electron spin resonance: distribution effects on the spin label. Benga G, et al. **J Bioenerg Biomembr** 1981 Dec;13(5–6):269–83

Studies on the molecular basis of H+ translocation by cytochrome c oxidase. Casey RP, et al. **J Bioenerg Biomembr** 1981 Dec;13(5–6):219–28

Kinetic characterization of the interaction between cytochrome oxidase and cytochrome c. Antalis TM, et al. **J Biol Chem** 1982 Jun 10;257(11):6194–206

Localization of lipid binding domain(s) on subunit II of beef heart cytochrome c oxidase. Bisson R, et al. **J Biol Chem** 1982 Jun 25;257(12):6716–20

Dynamic interactions of CO with a3Fe and CuB in cytochrome c oxidase in beef heart mitochondria studied by Fourier transform infrared spectroscopy at low temperatures. Fiamingo FG, et al. **J Biol Chem** 1982 Feb 25;257(4):1639–50

Activation of Pseudomonas cytochrome oxidase by limited proteolysis with subtilisin. Horowitz PM, et al. **J Biol Chem** 1982 Aug 25;257(16):9258–60

Controlled proteolysis by subtilisin as a probe for cyanide–induced conformational changes in Pseudomonas cytochrome oxidase. Horowitz PM, et al. **J Biol Chem** 1982 Mar 10;257(5):2140–3

Protein–protein interactions of cytochrome oxidase in inner mitochondrial membranes. The effect of liposome fusion on protein rotational mobility. Kawato S, et al. **J Biol Chem** 1982 Jun 10;257(11):6470–6

Reaction of oxygen with cytochrome c oxidase from Paracoccus denitrificans. Ludwig B, et al. **J Biol Chem** 1981 Oct 10;256(19):10092–8

The cytochrome c peroxidase activity of cytochrome oxidase. Orii Y. **J Biol Chem** 1982 Aug 25;257(16):9246–8

Spectra of intermediates in oxidation and reduction of cytochrome c oxidase. Reichardt JK, et al. **J Biol Chem** 1982 Aug 25;257(16):9268–70

Hormone–dependent changes in peroxisomal enzyme activity in guinea pig adrenal. Russo JJ, et al. **J Biol Chem** 1982 Apr 10;257(7):3883–9

The cytochrome c oxidase of Paracoccus denitrificans pumps protons in a reconstituted system. Solioz M, et al. **J Biol Chem** 1982 Feb 25;257(4):1579–82

The effects of copper depletion on structural aspects of cytochrome c oxidase. Weintraub ST, et al. **J Biol Chem** 1982 May 10;257(9):4940–6

Heart cytochrome c oxidase. An infrared study of effects of oxidation state on carbon monoxide binding. Yoshikawa S, et al. **J Biol Chem** 1982 Jan 10;257(1):412–20

Mitochondrial number, cytochrome oxidase and succinic dehydrogenase activity in Xenopus laevis oocytes. Marinos E, et al. **J Embryol Exp Morphol** 1981 Apr;62:395–409

Age–linked changes in the activity of enzymes of the tricarboxylate cycle and lipid oxidation, and of carnitine content, in muscles of the rat. Hansford RG, et al. **Mech Ageing Dev** 1982 Jun;19(2):191–200

Rate of pyridine nucleotide oxidation and cytochrome oxidase interaction with intracellular oxygen in hearts from rats with compensated volume overload. Moravec J, et al. **Pflugers Arch** 1981 Dec;392(2):106–14

Effect of a short–term fasting and altitude hypoxia on the cytochrome oxidase activity of rat brain mitochondria. Koudelová J, et al. **Physiol Bohemoslov** 1981;30(5):405–10

Energy–dependent reversal of the cytochrome oxidase reaction. Wikström M. **Proc Natl Acad Sci USA** 1981 Jul; 78(7):4051–4

A plausible two–state model for cytochrome c oxidase. Wilson MT, et al. **Proc Natl Acad Sci USA** 1981 Nov; 78(11):7115–8

Studies on the incorporation of membrane proteins into liposomes: —effect of 'boundary lipids' on reconstitution of pig heart mitochondrial cytochrome oxidase into liposomes. Yang F, et al. **Sci Sin [B]** 1982 May; 25(5):496–507

Cytochrome patterns in classification and identification including their relevance to the oxidase test. Jones CW. **Soc Appl Bacteriol Symp Ser** 1980;8:127–38 (33 ref.)

Failure of brain cytochrome alpha , alpha 3 redox recovery after hypoxic hypotension as determined by in vivo reflectance spectrophotometry. Proctor HJ, et al. **Stroke** 1982 Jan–Feb;13(1):89–92

Comparison of cytosolic and mitochondrial enzyme alterations in the livers of propionic or methylmalonic acidemia: a reduction of cytochrome oxidase activity. Hayasaka K, et al. **Tohoku J Exp Med** 1982 Jul; 137(3):329–34

[Effect of nitrite on cytochrome oxidase] Markosian KA, et al. **Biokhimiia** 1981 Sep;46(9):1615–21 (Eng. Abstr.) **(Rus)**

[Succinate dehydrogenase and cytochrome oxidase activity in rat tissues during prolonged hypokinesia] Smirnov VV, et al. **Kosm Biol Aviakosm Med** 1981 Nov–Dec;15(6):69–71 (Eng. Abstr.) **(Rus)**

[Effect of thyroxine on the activity of rat heart and liver mitochondrial cytochrome C–oxidase and Mg–activated ATP–ase] Tanbergenov SO. **Vopr Med Khim** 1981; 27(4):450–3 (Eng. Abstr.) **(Rus)**

[Catecholamine metabolism and mitochondrial enzyme activity] Tapbergenov SO. **Vopr Med Khim** 1982 Mar–Apr; 28(2):52–8 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

The active form of cytochrome c oxidase: effects of detergent, the intact membrane, and radiation inactivation. Thompson DA, et al. **Biophys J** 1982 Jan;37(1):285–93

Oxygen, oxidases, and the essential trace metals. Hill HA. **Philos Trans R Soc Lond [Biol]** 1981 Aug 14; 294(1071):119–28

CYTOCHROME P-450

The primary structure of the monoxygenase cytochrome P450CAM. Haniu M, et al. **Biochem Biophys Res Commun** 1982 Apr 14;105(3):889–94

Magnetic circular dichroism studies of cytochrome P–450cam. Characterization of axial ligands of ferric and ferrous low–spin complexes. Shimizu T, et al. **Biochim Biophys Acta** 1981 Oct 28;670(3):341–54

Resonance Raman spectra of bovine adrenal cytochrome P–450SCC. Shimizu T, et al. **Biochim Biophys Acta** 1981 Sep 29;670(2):236–42

Characterization of cytochrome P–450scc–containing liposomes. Yamakura F, et al. **Biochim Biophys Acta** 1981 Dec 7;649(2):343–54

Structural isomerism and chirality of N–monosubstituted protoporphyrins. De Matteis F, et al. **FEBS Lett** 1982 Jun 1;142(1):44–8

Amino acid sequence of an analogous peptide from two forms of cytochrome P–450. Ozols J, et al. **J Biol Chem** 1981 Nov 25;256(22):11405–8

Primary structure of a cytochrome P–450: coding nucleotide sequence of phenobarbital–inducible cytochrome P–450 cDNA from rat liver. Fujii–Kuriyama Y, et al. **Proc Natl Acad Sci USA** 1982 May;79(9):2793–7

ANALYSIS

Interindividual variation in benzo(a)pyrene metabolism and composition of isoenzymes of cytochrome P–450 as revealed by SDS–gel electrophoresis of human liver microsomal fractions. Ekström G, et al. **Acta Pharmacol Toxicol (Copenh)** 1982 Apr;50(4):251–60

Influence of age on in vitro effect of cadmium on rat liver cytochrome P–450 concentration and monooxygenases activity. Jahn F, et al. **Acta Pharmacol Toxicol (Copenh)** 1982 Feb;50(2):85–8

Error in assay due to time dependency of carbon monoxide difference spectrum of reduced yeast cytochrome P–450: slow reduction caused by Triton X–100 present. Azari MR, et al. **Anal Biochem** 1981 Nov 1;117(2):406–9

Effects of polychlorinated terphenyls and paraffins on rat liver microsomal cytochrome P–450 and in vitro metabolic activities. Nilsen OG, et al. **Arch Toxicol** 1981 Mar; 47(1):1–11

Selective early loss of polypeptides in liver microsomes of CCl4–treated rats. Relationship to cytochrome P–450 content. Noguchi T, et al. **Biochem Pharmacol** 1982 Mar 1;31(5):609–14

Effect of 2,3,7,8–tetrachlorodibenzo–p–dioxin and phenobarbital on the occurrence and distribution of four cytochrome P–450 isozymes in rabbit kidney, lung, and liver. Dees JH, et al. **Cancer Res** 1982 Apr;42(4):1423–32

Influence of liver disease and environmental factors on hepatic monooxygenase activity in vitro. Brodie MJ, et al. **Eur J Clin Pharmacol** 1981;20(1):39–46

Spectrophotometric examination of exogenous–ligand complexes of ferric cytochrome P–450. Characterization of the axial ligand trans to thiolate in the native ferric low–spin form. Yoshida Y, et al. **J Biochem (Tokyo)** 1982 May;91(5):1651–9

Effects of age and sex on microsomal heme oxygenase and cytochrome P–450 content in liver of rats. Ariyoshi T, et al. **J Pharmacobiodyn** 1981 Sep;4(9):664–9

Hepatic aminopyrine N–demethylase system: interaction of aminopyrine with microsomal cytochrome P–450. Hachino Y, et al. **Jpn J Pharmacol** 1981 Dec;31(6):911–20

The effect of long term treatment with disulfiram on content of cytochrome P–450 and on benzo(a)pyrene monooxygenase activity in microsomes isolated from the rat small intestinal mucosa. Grafström R, et al. **Toxicol Lett** 1980 Nov;7(1):79–85

Effects of xylene and xylene isomers on cytochrome P–450 and in vitro enzymatic activities in rat liver, kidney and lung. Toftgård R, et al. **Toxicology** 1982;23(2–3):197–212

ANTAGONISTS & INHIBITORS

Selective inactivation of cytochrome P–450 isozymes by suicide substrates. Ortiz de Montellano PR, et al. **Arch Biochem Biophys** 1981 Sep;210(2):717–28

Sequential administrations of polyriboinosinic acid and polyribocytidylic acid induce interferon and depress the hepatic cytochrome P–450–dependent monooxygenase system. Deloria LB, et al. **Biochem Biophys Res Commun** 1982 Jun 15;106(3):947–52

Autocatalytic alkylation of the cytochrome P–450 prosthetic haem group by 1–aminobenzotriazole. Isolation of an NN–bridged benzyne–protoporphyrin IX adduct. Ortiz de Montellano PR, et al. **Biochem J** 1981 Jun 1;195(3):761–4

Imidazole derivatives as inhibitors of cytochrome P–450–dependent oxidation and activators of epoxide hydrolase in hepatic microsomes from a marine fish. Little PJ, et al. **Biochem Pharmacol** 1981 Oct;30(20):2876–80

Cytochrome P–450 inactivation: structure of the prosthetic heme adduct with propyne. Ortiz de Montellano PR, et al. **Biochemistry** 1981 Dec 8;20(25):7266–71

Destruction of cytochrome P–450 by vinyl fluoride, fluroxene, and acetylene. Evidence for a radical intermediate in olefin oxidation. Ortiz de Montellano PR, et al. **Biochemistry** 1982 Mar 16;21(6):1331–9

Comparison of the effects of inhibitors of cytochrome P–450–mediated reactions on human platelet aggregation and arachidonic acid metabolism. Parnham MJ, et al. **Biochim Biophys Acta** 1981 Oct 12;677(2):165–73

Inactivation of rat liver cytochrome P–450 by the suicide substrates parathion and chloramphenicol. Halpert J, et al. **Drug Metab Rev** 1981;12(2):239–59 (24 ref.)

Inhibitors of Cytochrome P–450s and their mechanism of action. Testa B, et al. **Drug Metab Rev** 1981;12(1):1–117 (236 ref.)

Mechanism of the inhibitory action of phenelzine on microsomal drug metabolism. Muakkassah SF, et al. **J Pharmacol Exp Ther** 1981 Oct;219(1):147–55

In vivo effects of the cytochrome P–450 suicide substrate 2–isopropyl–4–pentenamide (allylisopropylacetamide) on the disposition and metabolic pattern of propranolol. Silber B, et al. **J Pharmacol Exp Ther** 1981 Oct;219(1):125–33

Inhibition of rat liver cytochrome P–450 by benzyl hydrodisulfide. Sawahata T, et al. **Mol Pharmacol** 1982

Mar;21(2):464-7

1,1,1-Trichloropropene-2,3-oxide: an alternate mechanism for its inhibition of cytochrome P-450. Ivanetich KM, et al. **Res Commun Chem Pathol Pharmacol** 1982 Jan; 35(1):111-20

Differential effects of cadmium on the hepatic microsomal cytochrome P-450 system in male and female rats. Schnell RC, et al. **Toxicol Lett** 1981 Sep;9(1):19-25

BIOSYNTHESIS

Induction of liver microsomal cytochrome P-450 and associated monooxygenases by octachlorostyrene in the rat. Holme JA, et al. **Acta Pharmacol Toxicol (Copenh)** 1982 Jan;50(1):41-9

Dose dependent induction of rat liver microsomal cytochrome P-450 and microsomal enzymatic activities after inhalation of toluene and dichloromethane. Toftgård R, et al. **Acta Pharmacol Toxicol (Copenh)** 1982 Aug; 51(2):108-14

Induction of polysubstrate monooxygenase and aflatoxin production by phenobarbitone in Aspergillus parasiticus NRRL 3240. Bhatnagar RK, et al. **Biochem Biophys Res Commun** 1982 Feb 26;104(4):1287-92

Induction by triacetyloleandomycin and partial purification of a LM3 form of cytochrome P-450 from rabbit liver microsomes. Bonfils C, et al. **Biochem Biophys Res Commun** 1982 Feb 11;104(3):1011-7

Enzymatic and immunological evidences that phenobarbital induces cytochrome P 450 in fetal and neonatal rat liver. Cresteil T, et al. **Biochem Biophys Res Commun** 1982 Jun 15;106(3):823-30

Immunochemical characterization of some monooxygenase activities in liver microsomes from untreated and phenobarbital-treated rats. Le Provost E, et al. **Biochem Biophys Res Commun** 1981 Jul 30;101(2):547-54

Specific evidence that schizandrins induce a phenobarbital-like cytochrome P-450 form separated from rat liver. Liu KT, et al. **Biochem Biophys Res Commun** 1981 Dec 31;103(4):1131-7

Induction of cytochrome P-450 in rat liver by the antibiotic troleandomycin: partial purificaton and properties of cytochrome P-450-troleandomycin metabolite complexes. Mansuy D, et al. **Biochem Biophys Res Commun** 1981 Dec 31;103(4):1201-8

Homogeneous interferon from E. coli depresses hepatic cytochrome P-450 and drug biotransformation. Singh G, et al. **Biochem Biophys Res Commun** 1982 Jun 30; 106(4):1256-61

Pyrazole-induced cytochrome P-450 in rat liver microsomes: an isozyme with high affinity for dimethylnitrosamine. Tu YY, et al. **Biochem Biophys Res Commun** 1981 Dec 15; 103(3):905-12

Newly biosynthesized cytochrome P-450 associated with the golgi apparatus from livers of rats induced with phenobarbital. Cooper MB, et al. **Biochem J** 1981 Mar 15; 194(3):691-7

Role of haem in the induction of cytochrome P-450 by phenobarbitone. Studies in chick embryos in ovo and in cultured chick embryo hepatocytes. Giger U, et al. **Biochem J** 1981 Aug 15;198(2):321-9

Induction by phenobarbital of the mRNA for a specific variant of rat liver microsomal cytochrome P-450. Phillips IR, et al. **Biochem J** 1981 Jun 15;196(3):839-51

The substituted pyridines metyrapone and nicotinamide are inducers of 5-aminolevulinate synthase and cytochrome P-450 in hepatocyte culture. Giger U, et al. **Biochem Pharmacol** 1982 May 1;31(9):1735-41

Long term maintenance and induction of cytochrome P-450 in rat liver cell culture. Paine AJ, et al. **Biochem Pharmacol** 1982 Mar 15;31(6):1175-8

Regulation of the synthesis of cytochrome P-450 in liver. Padmanaban G. **Biochem Soc Trans** 1981 Dec;9(6):537-9

Multiplicity strain differences, and topology of phenobarbital-induced cytochromes P-450 in rat liver microsomes. Vlasuk GP, et al. **Biochemistry** 1982 Feb 16; 21(4):789-98

Induction of drug-metabolizing enzymes in the rat liver by 3'-methyl-4-(dimethylamino)azobenzene. Hino O, et al. **Cancer Lett** 1982 Feb;15(2):131-6

Different patterns of benzo[a]pyrene metabolism of purified cytochromes P-450 from methylcholanthrene, beta-naphthoflavone and phenobarbital treated rats. Gozukara EM, et al. **Carcinogenesis** 1982;3(2):129-33

Benzo[a]pyrene and other inducers of cytochrome P1-450 inhibit binding of epidermal growth factor to cell surface receptors. Ivanovic V, et al. **Carcinogenesis** 1982; 3(5):505-10

The relationship between metabolism of 2,3,4,5,3',4',5'-heptachlorobiphenyl and its ability to induce both cytochromes P-448 and P-450. Corbett J, et al. **Chem Biol Interact** 1982 Apr;39(3):331-8

Metabolic activation of carbon tetrachloride: induction of cytochrome P-450 with phenobarbital or 3-methylcholanthrene and its effect on covalent binding. Frank H, et al. **Chem Biol Interact** 1982 Jun;40(2):193-208

Structure-activity relationships of chlorinated benzenes as inducers of different forms of cytochrome P-450 in rat liver. Goldstein JA, et al. **Chem Biol Interact** 1982 Aug; 41(2):131-9

Hepatic cytochrome P-450-dependent monooxygenase systems of the trout, frog and snake--III. Induction. Schwen RJ, et al. **Comp Biochem Physiol [B]** 1982; 71(3):445-53

Induction of cytochromes P450 and mixed-function oxidase activity by polychlorinated biphenyls and beta-naphthoflavone in carp (Cyprinus carpio). Melancon MJ, et al. **Comp Biochem Physiol [C]** 1981;69(2):219-26

The effect of hypolipidemic agents on the hepatic microsomal drug-metabolizing enzyme system of the rat. Induction of cytochrome(s) P-450 with specificity toward terminal hydroxylation of lauric acid. Orton TC, et al. **Drug Metab Dispos** 1982 Mar-Apr;10(2):110-5

Construction and identification of a hybrid plasmid containing DNA sequence complementary to phenobarbital-inducible cytochrome P-450 messenger RNA from rat liver. Fujii-Kuriyama Y, et al. **J Biochem (Tokyo)** 1981 Jun;89(6):1869-79

Effects of 3-methylcholanthrene, beta-naphthoflavone, and phenobarbital on the 3-methylcholanthrene-inducible isozyme of cytochrome P-450 within centrilobular, midzonal, and periportal hepatocytes. Baron J, et al. **J Biol Chem** 1982 Jan 25;257(2):953-7

Induction of delta-aminolevulinate synthase and cytochrome P-450 hemoproteins in hepatocyte culture. Effect of glucose and hormones. Giger U, et al. **J Biol Chem** 1981 Nov 10;256(21):11182-90

Multiple forms of cytochrome P-450 in liver microsomes from beta-naphthoflavone-pretreated rats. Separation, purification, and characterization of five forms. Lau PP, et al. **J Biol Chem** 1982 May 10;257(9):5257-62

Phenobarbital-induced rat liver cytochrome P-450. Purification and characterization of two closely related isozymic forms. Waxman DJ, et al. **J Biol Chem** 1982 Sep 10;257(17):10446-57

The effect of psoralens on hepatic and cutaneous drug metabolizing enzymes and cytochrome P-450. Bickers DR, et al. **J Invest Dermatol** 1982 Sep;79(3):201-5

Polychlorinated biphenyls (PCBs) inducible monooxygenases in rabbits and mice: species and organ specificities. Alvares AP, et al. **Life Sci** 1982 Mar 1;30(9):747-51

The quantitation of liver cytochrome P450-LM2 mRNA in rabbits of different ages and after phenobarbital treatment. Dilella AG, et al. **Mech Ageing Dev** 1982 Jun;19(2):113-25

Immunochemical evidence for induction of a common form of hepatic cytochrome P-450 in rats treated with pregnenolone-16 alpha-carbonitrile or other steroidal or non-steroidal agents. Heuman DM, et al. **Mol Pharmacol** 1982 May;21(3):753-60

Changes in phospholipid methyltransferases and membrane microviscosity during induction of rat liver microsomal cytochrome P-450 by phenobarbital and 3-methylcholanthrene. Sastry BV, et al. **Pharmacology** 1981;23(4):211-22

Stimulation of de novo synthesis of cytochrome P-450 by phenobarbital in primary nonproliferating cultures of adult rat hepatocytes. Newman S, et al. **Proc Natl Acad Sci USA** 1982 May;79(9):2922-6

Induction of cytochrome P-450 related metabolic activities in the rat ventral prostate. Söderkvist P, et al. **Toxicol Lett** 1982 Jan;10(1):61-9

The induction of cytochrome P-450 in Lodderomyces elongisporus. Mauersberger S, et al. **Z Allg Mikrobiol** 1981; 21(4):313-21

[Effect of protein on the induction and renewal of a cytochrome P-450 complex in the rat liver] Gapparov MM, et al. **Biull Eksp Biol Med** 1982 Apr;93(4):43-6 (Eng. Abstr.) **(Rus)**

[Effect of the long-term administration of testosterone on induction of cytochrome P-450 in female rat live tissue using phenobarbital] Chistiakov VV, et al. **Vopr Med Khim** 1981 May-Jun;27(3):340-2 (Eng. Abstr.) **(Rus)**

DEFICIENCY

The cytochrome P-450-depleted animal: an experimental model for in vivo studies in chemical biology. Drummond GS, et al. **Proc Natl Acad Sci USA** 1982 Apr;79(7):2384-8

GENETICS

The Ah locus, a multigene family necessary for survival in a chemically adverse environment: comparison with the immune system. Nebert DW, et al. **Adv Genet** 1982;21:1-52 (170 ref.)

The molecular cloning of cytochrome P-450c information. Bresnick E, et al. **Arch Biochem Biophys** 1981 Dec; 212(2):501-7

Expression and subcellular distribution of mouse cytochrome P1-450 mRNA as determined by molecular hybridization with cloned P1-450 DNA. Chen YT, et al. **Biochem Biophys Res Commun** 1982 Jan 29;104(2):641-8

Similarities between mouse and rat-liver microsomal cytochromes P-450 induced by 3-methylcholanthrene. Evidence from catalytic, immunologic, and recombinant DNA studies. Chen YT, et al. **Eur J Biochem** 1982 Feb; 122(2):361-8

Mechanism of induction of cytochrome P-450 by phenobarbital. Adesnik M, et al. **J Biol Chem** 1981 Oct 25;256(20):10340-5

Effects of 2-acetylaminofluorene and N-hydroxy-2-acetylaminofluorene on the cellular levels of epoxide hydratase, cytochrome P-450b, and NADPH-cytochrome c (P-450) oxidoreductase messenger ribonucleic acids. Gonzalez FJ, et al. **J Biol Chem** 1982 Sep 25;257(18):11032-6

Cloning of DNA complementary to rat liver NADPH-cytochrome c (P-450) oxidoreductase and cytochrome P-450b mRNAs. Evidence that phenobarbital augments transcription of specific genes. Gonzalez FJ, et al. **J Biol Chem** 1982 May 25;257(10):5962-8

Genetic evidence for many unique liver microsomal P-450-mediated monooxygenase activities in heterogeneic stock mice. Lang MA, et al. **J Biol Chem** 1981 Dec 10; 256(23):12068-75

Structural gene products of the Ah locus. Evidence for many unique P-450-mediated monooxygenase activities reconstituted from 3-methylcholanthrene-treated C57BL/6N mouse liver microsomes. Lang MA, et al. **J Biol Chem** 1981 Dec 10;256(23):12058-67

Multiple, immunoidentical forms of phenobarbital-induced rat liver cytochromes P-450 are encoded by different mRNAs. Walz FG Jr, et al. **J Biol Chem** 1982 Apr 25; 257(8):4023-6

Relation between the somatic toxicity of dimethylnitrosamine and a genetically determined variation in the level and induction of cytochrome P450 in Drosophila melanogaster. Hällström I, et al. **Mutat Res** 1982 Feb 22;92(1-2):161-8

Administration of 3-methylcholanthrene to rats increases the specific hybridizable mRNA coding for cytochrome P-450c. Bresnick E, et al. **Proc Natl Acad Sci USA** 1981 Jul;78(7):4083-7

IMMUNOLOGY

Inhibition of azoreductase activity by antibodies against cytochromes P-450 and P-448. Fujita S, et al. **Biochem Biophys Res Commun** 1981 Sep 16;102(1):492-8

Monoclonal antibodies that inhibit enzyme activity of 3-methylcholanthrene-induced cytochrome P-450. Park SS, et al. **Cancer Res** 1982 May;42(5):1798-808

Immunochemical relatedness of rat hepatic microsomal cytochromes P-450c and P-450d. Reik LM, et al. **J Biol Chem** 1982 Apr 10;257(7):3950-7

ISOLATION & PURIFICATION

Identification of rabbit microsomal cytochrome P-450 isozyme, form 1, as a hepatic progesterone 21-hydroxylase. Dieter HH, et al. **Biochem Biophys Res Commun** 1982 Mar 30;105(2):515-20

Purification of cytochrome P-450D1 alpha (25-hydroxyvitamin D3-1 alpha-hydroxylase) of bovine kidney mitochondria. Hiwatashi A, et al. **Biochem Biophys Res Commun** 1982 Mar 15;105(1):320-7

Partial purification and characterization of cytochrome P-450 responsible for the occurrence of sex difference in drug metabolism in the rat. Kamataki T, et al. **Biochem Biophys Res Commun** 1981 Nov 16;103(1):1-7

Amino acid composition of cytochrome P-450scc from bovine corpus luteum. Kashiwagi K, et al. **Biochem Biophys Res Commun** 1982 Mar 15;105(1):110-6

Solubilization and partial purification of human placental cytochromes P-450. Pasanen M, et al. **Biochem Biophys Res Commun** 1981 Dec 31;103(4):1310-7

Amino-terminal and carboxy-terminal sequence of hepatic microsomal cytochrome P-450d, a unique hemoprotein from rats treated with isosafrole. Botelho LH, et al. **Biochemistry** 1982 Mar 16;21(6):1152-5

Magnetic and natural circular dichroism spectra of cytochgromes P-450(11) beta and P-450scc purified from bovine adrenal cortex. Shimizu T, et al. **Biochim Biophys Acta** 1981 Jun 29;669(1):46-59

Identification of cytochrome P-450 isozymes in nonciliated bronchiolar epithelial (Clara) and alveolar type II cells isolated from rabbit lung. Devereux TR, et al. **Exp Lung Res** 1981 Aug;2(3):221-30

Purification and characterization of two constitutive forms of rat liver microsomal cytochrome P-450. Cheng KC, et al. **J Biol Chem** 1982 Mar 10;257(5):2378-85

Purification and characterization of a unique isozyme of cytochrome P-450 from liver microsomes of ethanol-related rabbits. Koop DR, et al. **J Biol Chem** 1982 Jul 25;257(14):8472-80

Preliminary crystallographic data on cytochrome P-450CAM. Poulos TL, et al. **J Biol Chem** 1982 Sep 10; 257(17):10427-9

Production and application of antibodies to rat liver cytochrome P-450. Kaminsky LS, et al. **Methods Enzymol** 1981;74 Pt C:262-72

[Multiplicity of hepatic microsomal cytochrome P-450 (author's transl)] Imai Y, et al. **Seikagaku** 1982;54(4):232-9 (26 ref.) **(Jpn)**

METABOLISM

Quantitative characteristics of the stabilizing effect of glycerol on cytochrome P-450 in rabbit liver microsomes. Metelitza DI, et al. **Acta Biol Med Ger** 1982;41(1):17-21

Molecular mechanisms of interactions between phospholipids and liver microsomal cytochrome P-450 LM2. Ruckpaul K, et al. **Acta Biol Med Ger** 1982;41(2-3):193-203

Changes in the matabolism of steroid hormones by the rat liver cytochrome P-450 system after induction with trans-stilbene oxide. Meijer J, et al. **Acta Chem Scand [B]** 1981;35(2):151-3

The environment of cytochrome P-450 in testicular microsomes. Bussmann L, et al. **Acta Physiol Lat Am** 1980;

30(3):171-80
Regulation of cytochrome P450 activities in adrenocortical mitochondria from normal rats and human neoplastic tissues. Mitani F, et al. **Adv Enzyme Regul** 1982;20:213-31
Ligand complexes generated during cytochrome P-450 dependent metabolism. Franklin MR.
Adv Exp Med Biol 1981;136 Pt A:165-77
Formation and fate of reactive intermediates of parathion. Halpert J, et al. **Adv Exp Med Biol** 1981;136 Pt B:1037-50
Reaction schemes for the degradation of cytochrome P-450 by allyl-iso-propylacetamide and fluroxene. Ivanetich KM, et al. **Adv Exp Med Biol** 1981;136 Pt B:1213-20
Production of carbon monoxide by sonication of medium containing glycerol. Effect on cytochrome P-450 reconstituted systems. Luu-The V, et al.
Adv Exp Med Biol 1981;136 Pt A:377-80
Cross-linking of cytochrome P-450: effect of temperature. McIntosh PR, et al. **Adv Exp Med Biol** 1981;136 Pt A:369-75
The mechanism of the reductive dehalogenation of polyhalogenated compounds by microsomal cytochrome P450. Nastainczyk W, et al. **Adv Exp Med Biol** 1981;136 Pt A:799-808
The cytochrome P-450-mediated metabolism of biphenyl and the 4-halobiphenyls. Parkinson A, et al.
Adv Exp Med Biol 1981;136 Pt A:745-52
The heme protein P-450 in oxygen activation: carbon monoxide inhibition and photochemical action spectroscopy as tools to study its catalytic role. Schleyer H, et al. **Adv Exp Med Biol** 1981;136 Pt A:119-43
A novel pathway of nitrosamine metabolism in liver microsomes: denitrosation of nitrosamines by cytochrome P-450. Schrenk D, et al. **Adv Exp Med Biol** 1981;136 Pt B:1157-64
Regio- and stereoselectivity of hepatic cytochrome P-450 toward polycyclic aromatic hydrocarbon substrates. Thakker DR, et al. **Adv Exp Med Biol** 1981;136 Pt A:525-39
Actions of danazol in vivo on cytochrome P-450 and steroidogenic enzymes in rat testis and liver microsomal preparations. Betz G, et al. **Am J Obstet Gynecol** 1981 Dec 15;141(8):962-72
Chloroperoxidase-catalyzed halogenation of antipyrine, a drug substrate of liver microsomal cytochrome P-450. Ashley PL, et al. **Arch Biochem Biophys** 1981 Aug; 210(1):167-78
Interaction of purified microsomal cytochrome P-450 with cytochrome b5. Chiang JY. **Arch Biochem Biophys** 1981 Oct 15;211(2):662-73
Interaction of epoxide hydrolase with itself and other microsomal proteins. Guengerich FP, et al.
Arch Biochem Biophys 1982 May;215(2):462-77
Studies on the stimulation of cytochrome P-450-dependent monooxygenase activity by dilauroylphosphatidylcholine. Miwa GT, et al. **Arch Biochem Biophys** 1981 Oct 1; 211(1):454-8
Destruction of highly purified cytochromes P-450 associated with metabolism of fluorinated ether anesthetics. Murphy MJ, et al. **Arch Biochem Biophys** 1981 Dec;212(2):360-9
Autocatalytic inactivation of plant cytochrome P-450 enzymes: selective inactivation of cinnamic acid 4-hydroxylase from Helianthus tuberosus by 1-aminobenzotriazole. Reichhart D, et al.
Arch Biochem Biophys 1982 Jul;216(2):522-9
Purification of characterization of a minor form of hepatic microsomal cytochrome P-450 from rats treated with polychlorinated biphenyls. Ryan DE, et al.
Arch Biochem Biophys 1982 Jun;216(1):272-88
Rotational diffusion of cytochrome P-450 in the microsomal membrane-evidence for a clusterlike organization from saturation transfer electron paramagnetic resonance spectroscopy. Schwarz D, et al. **Arch Biochem Biophys** 1982 Jun;216(1):322-8
Liver microsomal polypeptides from Fischer-344 rats affected by age, sex, and xenobiotic induction. Vlasuk GP, et al. **Arch Biochem Biophys** 1982 Mar;214(1):248-59
Phthalate esters I: Effects on cytochrome P-450 mediated metabolism in rat liver and lung, serum enzymatic activities and serum protein levels. Walseth F, et al.
Arch Toxicol 1982 May;50(1):1-10
Cytochrome P-450 and ethoxycoumarin-deethylation in rat gastric microsomes: induction by 3-methylcholanthrene and inhibition by cimetidine. Borm P, et al.
Biochem Biophys Res Commun 1981 Sep 30;102(2):784-90
Mercaptide-anion as a trans-ligand in oxycytochrome P450. Budyka MF, et al. **Biochem Biophys Res Commun** 1981 Jul 30;101(2):615-22
Evidence against an abstraction or direct insertion mechanism for cytochrome P-450 catalysed meta hydroxylations. Bush ED, et al. **Biochem Biophys Res Commun** 1982 Jan 29; 104(2):626-32
The oxidative metabolism of arachidonic acid by purified cytochromes P-450. Capdevila J, et al.
Biochem Biophys Res Commun 1981 Aug 31;101(4):1357-63
Novel epoxides formed during the liver cytochrome P-450 oxidation of arachidonic acid. Chacos N, et al.
Biochem Biophys Res Commun 1982 Feb 11;104(3):916-22
Evidence for a specific cytochrome P-450 with short half-life catalyzing 7 alpha-hydroxylation of cholesterol. Danielsson H, et al. **Biochem Biophys Res Commun** 1981 Nov 16; 103(1):46-51
Anaerobic dehalogenation of halothane by reconstituted liver microsomal cytochrome P-450 enzyme system. Fujii K, et al. **Biochem Biophys Res Commun** 1981 Sep 16; 102(1):507-12
A possible role of cytochrome P450 in anaerobic dehalogenation of halothane. Fujii K, et al.
Biochem Biophys Res Commun 1981 Aug 31;101(4):1158-63
Cytochrome P450cam catalyzed epoxidation of dehydrocamphor. Gelb MH, et al.
Biochem Biophys Res Commun 1982 Feb 11;104(3):853-8
Evidence for cytosolic benzo(a)pyrene carrier proteins which function in cytochrome P450 oxidation in rat liver. Hanson-Painton O, et al.
Biochem Biophys Res Commun 1981 Aug 31;101(4):1364-71
Involvement of cytochrome P-450 in delta 22-desaturation in ergosterol biosynthesis of yeast. Hata S, et al.
Biochem Biophys Res Commun 1981 Nov 16;103(1):272-7
The cytochrome P-450 alkane monooxygenase system of the yeast Lodderomyces elongisporus: purification and some properties of the NADPH-cytochrome P-450 reductase. Honeck H, et al. **Biochem Biophys Res Commun** 1982 Jun 30;106(4):1318-24
Aniline is hydroxylated by the cytochrome P-450-dependent hydroxyl radical-mediated oxygenation mechanism. Ingelman-Sundberg M, et al.
Biochem Biophys Res Commun 1982 May 31;106(2):625-31
Limitations on the metyrapone assay for the major phenobarbital inducible form of cytochrome P-450. Ivanetich KM, et al. **Biochem Biophys Res Commun** 1982 Apr 29;105(4):1322-6
The final step of aldosterone biosynthesis is catalyzed by an NADPH-dependent and molecular oxygen-requiring enzyme. Kojima I, et al. **Biochem Biophys Res Commun** 1982 May 31;106(2):617-24
Integration of purified adrenocortical cytochrome P-450(11) beta into phospholipid vesicles. Lombardo A, et al.
Biochem Biophys Res Commun 1982 Feb 26;104(4):1638-45
Mechanisms of hydroxylation by cytochrome P-450: exchange of iron-oxygen intermediates with water. Macdonald TL, et al. **Biochem Biophys Res Commun** 1982 Jan 29;104(2):620-5
A heme model system for the reduction of substrates by microsomal cytochrome P 450. Mansuy D, et al.
Biochem Biophys Res Commun 1982 Feb 26;104(4):1651-7
Glutathione-hemin complex as a cytochrome P-450 model characterization of the complex and its aromatic oxidation activities. Sakurai H, et al.
Biochem Biophys Res Commun 1981 Aug 31;101(4):1102-8
1-Chloro-2,2,2-trifluoroethyl radical: Formation from halothane by human cytochrome P-450 in reconstituted vesicles and binding to phospholipids. Trudell JR, et al.
Biochem Biophys Res Commun 1981 Sep 16;102(1):372-7
Stereoselective formation of benz[a]anthracene (+)-(5S,6R)-oxide and (+)-(8R,9S)-oxide by a highly purified and reconstituted system containing cytochrome P-450c. van Bladeren PJ, et al.
Biochem Biophys Res Commun 1982 May 31;106(2):602-9
Immunological analysis of the roles of two major types of cytochrome P-450 in mutagenesis of compounds isolated from pyrolysates. Watanabe J, et al.
Biochem Biophys Res Commun 1982 Jan 15;104(1):193-9
Evidence against involvement of cytochrome P-450 haem in the regulation of synthesis of mammalian liver 5-aminolaevulinate synthase [letter] Badawy AA.
Biochem J 1982 Mar 15;202(3):807-8
Studies on the substrate specificity and inducibility of cytochrome P-450meg. Berg A, et al. **Biochem J** 1981 Jun 15;196(3):781-6
The use of proteinases to determine the topological location of cytochrome P-450 in vesicles derived from smooth endoplasmic reticulum of rat liver. Cooper MB, et al.
Biochem J 1981 May 15;196(2):585-9
Metal induction of haem oxygenase without concurrent degradation of cytochrome P-450. Protective effects of compound SKF 525A on the haem protein. Drummond GS, et al. **Biochem J** 1982 Jan 15;202(1):59-66
Cytochrome P-450 induction by clofibrate. Purification and properties of a hepatic cytochrome P-450 relatively specific for the 12- and 11-hydroxylation of dodecanoic acid (lauric acid). Gibson GG, et al. **Biochem J** 1982 Apr 1;203(1):161-8
Light-dependent cytochrome P-450 changes in mung beans (Phaseolus aureus). Hendry GA, et al. **Biochem J** 1981 Jun 15;196(3):825-9
Interaction of ligands with cytochrome P-450. On the 442 nm spectral species generated during the oxidative metabolism of pyridine. Hlavica P, et al. **Biochem J** 1982 May 15;204(2):425-32
Effect of carbon source on the accumulation of cytochrome P-450 in the yeast Saccharomyces cerevisiae. Kärenlampi SO, et al. **Biochem J** 1981 Feb 15;194(2):407-13
A continuous spectrophotometric determination of hepatic microsomal azo reductase activity and its dependence on cytochrome P-450. Mallett AK, et al. **Biochem J** 1982 Mar 1;201(3):589-95
Measurement of the metabolism of cytochrome P-450 in cultured hepatocytes by a quantitative and specific immunochemical method. Newman SL, et al.
Biochem J 1982 Apr 15;204(1):281-90
Decrease in hepatic cytochrome P-450 by cobalt. Evidence for a role of cobalt protoporphyrin. Sinclair JF, et al.
Biochem J 1982 Apr 15;204(1):103-9
Induction of 5-aminolaevulinate synthase in chick embryo liver by propylisopropylacetamide does not involve destruction of cytochrome P-450 [letter] Sinclair PR, et al. **Biochem J** 1981 Dec 15;200(3):709-10
The mechanism of reductive dehalogenation of halothane by liver cytochrome P450. Ahr HJ, et al.
Biochem Pharmacol 1982 Feb 1;31(3):383-90
The control of glutathione and cytochrome P-450 concentrations of primary cultures of rat hepatocytes. Allen CM, et al. **Biochem Pharmacol** 1981 Oct 1;30(19):2739-42
The destruction of cytochrome P-450 by alclofenac: possible involvement of an epoxide metabolite. Brown LM, et al.
Biochem Pharmacol 1982 Jan 15;31(2):195-9
The 1,2-dichloroethylenes: their metabolism by hepatic cytochrome p-450 in vitro. Costa AK, et al.
Biochem Pharmacol 1982 Jun 1;31(11):2093-102
Vinylidene chloride: its metabolism by hepatic microsomal cytochrome P-450 in vitro. Costa AK, et al.
Biochem Pharmacol 1982 Jun 1;31(11):2083-92
Self-catalysed, O2-independent inactivation of NADPH- or dithionite-reduced microsomal cytochrome P-450 by carbon tetrachloride. de Groot H, et al.
Biochem Pharmacol 1981 Aug 15;30(16):2343-7
The relationship between the binding of 2-n-alkylbenzimidazoles to rat hepatic microsomal cytochrome P-450 and the inhibition of monooxygenation. Dickins M, et al. **Biochem Pharmacol** 1982 Apr 1; 31(7):1315-20
Hepatic glutathione and hepatotoxicity: effects of cytochrome P-450 complexing compounds SKF 525-A, L-alpha acetylmethadol (LAAM), norLAAM, and piperonyl butoxide. James RC, et al.
Biochem Pharmacol 1982 May 15;31(10):1829-35
The effect of hepatocyte culture conditions on cytochrome P-450 linked drug metabolising enzymes. Lake BG, et al.
Biochem Pharmacol 1982 Jun 1;31(11):2141-4
Reversal of the effects of isoniazid on hepatic cytochrome P-450 by potassium ferricyanide. Muakkassah SF, et al.
Biochem Pharmacol 1982 Jan 15;31(2):249-51
The reductive metabolism of halogenated alkanes by liver microsomal cytochrome P450. Nastainczyk W, et al.
Biochem Pharmacol 1982 Feb 1;31(3):391-6
Long-term maintenance and induction of cytochrome P-450 in primary cultures of rat hepatocytes. Nelson KF, et al.
Biochem Pharmacol 1982 Jun 15;31(12):2211-4
Substrate and position specificity of hematin-activated monooxygenation reactions. Omiecinski CJ, et al.
Biochem Pharmacol 1981 Oct;30(20):2837-45
Cytochrome P-450-mediated metabolism of biphenyl and the 4-halobiphenyls. Parkinson A, et al. **Biochem Pharmacol** 1982 May 15;31(10):1849-56
Formation of an inactive cytochrome P-450 Fe(II)-metabolite complex after administration of troleandomycin in humans. Pessayre D, et al.
Biochem Pharmacol 1982 May 1;31(9):1699-704
Interaction of the substrate analogue of cytochrome P-450 and mixed function oxidases. Popova VI, et al.
Biochem Pharmacol 1982 Jun 1;31(11):1993-8
Depression of hepatic cytochrome P-450-dependent mixed function oxidases during infection with encephalomyocarditis virus. Renton KW.
Biochem Pharmacol 1981 Aug 15;30(16):2333-6
The relationship between binding to cytochrome P-450 and metabolism of n-alkyl carbamates in isolated rat hepatocytes. Sargent NE, et al. **Biochem Pharmacol** 1982 Apr 1;31(7):1309-13
Ethanol-mediated increase in cytochrome P-450 in cultured hepatocytes. Sinclair JF, et al. **Biochem Pharmacol** 1981 Oct;30(20):2805-9
Kinetics of hepatic cytochrome P-450 reduction: correlation with spin state of the ferric heme. Backes WL, et al.
Biochemistry 1982 Mar 16;21(6):1324-30
Stereochemistry and deuterium isotope effects in camphor hydroxylation by the cytochrome P450cam monoxygenase system. Gelb MH, et al. **Biochemistry** 1982 Jan 19; 21(2):370-7
Estimation of isozymes of microsomal cytochrome P-450 in rats, rabbits, and humans using immunochemical staining coupled with sodium dodecyl sulfate-polyacrylamide gel electrophoresis. Guengerich FP, et al. **Biochemistry** 1982 Mar 30;21(7):1698-706
Membrane charge as effector of cytochrome P-450LM2 catalyzed reactions in reconstituted liposomes. Ingelman-Sundberg M, et al. **Biochemistry** 1981 Jul 7; 20(14):4100-6
Metabolism of dichlorobiphenyls by highly purified isozymes of rat liver cytochrome P-450. Kaminsky LS, et al.
Biochemistry 1981 Dec 22;20(26):7379-84
Oxidation of trichloroethylene by liver microsomal cytochrome P-450: evidence for chlorine migration in a transition state not involving trichloroethylene oxide. Miller RE, et al. **Biochemistry** 1982 Mar 2;21(5):1090-7
Microsomal cytochrome P-450 from neonatal pig testis: two enzymatic activities (17 alpha-hydroxylase and c17,20-lyase) associated with one protein. Nakajin S, et al. **Biochemistry** 1981 Jul 7;20(14):4037-42
Chiral sulfoxidations catalyzed by rat liver cytochromes P-450. Waxman DJ, et al. **Biochemistry** 1982 May 11; 21(10):2499-507
Evidence for the presence of cytochrome P-450 functional in lanosterol 14 alpha-demethylation in microsomes of aerobically grown respiring yeast. Aoyama Y, et al.
Biochim Biophys Acta 1981 Sep 24;665(3):596-601

Activation of carbon tetrachloride, and distribution of NADPH-cytochrome c reductase, cytochrome P-450, and other microsomal enzyme activities in rat tissues. Benedetto C, et al. **Biochim Biophys Acta** 1981 Nov 5;677(3-4):363-72

Phospholipid transfer between vesicles. Dependence on presence of cytochrome P-450 and phosphatidylcholine-phosphatidylethanolamine ratio. Bösterling B, et al. **Biochim Biophys Acta** 1982 Jul 14; 689(1):155-60

The transfer of cholesterol and hydroxycholesterol derivatives from liposome to soluble cytochrome P-450 scc. Kido T, et al. **Biochim Biophys Acta** 1981 Dec 23; 666(3):370-81

Microsomal and photochemical oxidation and reduction of 1-piperidinoanthraquinone. Weiner LM, et al. **Biochim Biophys Acta** 1982 Feb 2;714(2):234-42

Cytochrome P-450-dependent O-dealkylase activity in mammalian skin. Damen FJ, et al. **Br J Pharmacol** 1982 Jan;75(1):123-7

Effects of toluene on cytochrome P-450 mixed function oxygenase and glutathione-S-transferase activities in rat brain and liver. Chand P, et al. **Bull Environ Contam Toxicol** 1982 May;28(5):542-5

Cytochrome P-450- and flavin-containing monooxygenase-catalyzed formation of the carcinogen N-hydroxy-2-aminofluorene and its covalent binding to nuclear DNA. Frederick CB, et al. **Cancer Res** 1982 Jul; 42(7):2671-7

Effect of microsomal cytochrome P-450 isozyme induction on the mutagenic activation of 2-aminoanthracene. Norman RL, et al. **Cancer Res** 1982 May;42(5):1722-6

Alterations in hepatic and splenic microsomal electron transport system components, drug metabolism, heme oxygenase activity, and cytochrome P-450 turnover in Murphy-Sturm lymphosarcoma-bearing rats. Schacter BA, et al. **Cancer Res** 1982 Sep;42(9):3557-64

Metabolic nitrite formation from N-nitrosamines: evidence for a cytochrome P-450 dependent reaction. Appel KE, et al. **Carcinogenesis** 1982;3(3):293-6

Chloroethanes : their metabolism by hepatic cytochrome P-450 in vitro. Ivanetich KM, et al. **Carcinogenesis** 1981; 2(8):697-702

Effects of phenobarbital and sodium salicylate on cytochrome P-450 mixed function oxygenase and glutathione S-transferase activities in rat brain. Chand P, et al. **Chem Biol Interact** 1982 Jul 1;40(3):357-63

pH-dependent interaction of microsomal cytochrome P-450 with substrates. I. Effect of pH upon the interaction of exogenous substrates with membrane-bound cytochrome P-450. Hachino Y, et al. **Chem Biol Interact** 1981 Oct; 37(1-2):181-90

Metabolic activation of glutamic acid pyrolysis products, 2-amino-6-methyldipyrido[1,2-a:3',2'-d]imidazole and 2-amino-dipyrido[1,2-a:3',2'-d]imidazole, by purified cytochrome P-450. Ishii K, et al. **Chem Biol Interact** 1981 Dec;38(1):1-13

Ellipticines and human liver microsomes: spectral interaction with cytochrome P-450 and hydroxylation. Inhibition of aryl hydrocarbon metabolism and mutagenicity. Lesca P, et al. **Chem Biol Interact** 1981 Sep;36(3):299-309

Pharmacological properties of dibenzo[a,c]cyclooctene derivatives isolated from Fructus Schizandrae chinensis. I. Interaction with rat liver cytochrome P-450 and inhibition of xenobiotic metabolism and mutagenicity. Liu KT, et al. **Chem Biol Interact** 1982 Apr;39(3):301-14

The role of lipid peroxidation in CCl4-induced damage to liver microsomal enzymes: comparative studies in vitro using microsomes and isolated liver cells. Poli G, et al. **Chem Biol Interact** 1981 Oct;37(1-2):13-24

Covalent binding of polychlorinated biphenyls to proteins by reconstituted monooxygenase system containing cytochrome P-450. Shimada T, et al. **Chem Biol Interact** 1981 Dec;38(1):29-44

Evidence for cytochrome P-450 mediated metabolism in the bronchiolar damage by naphthalene. Warren DL, et al. **Chem Biol Interact** 1982 Jul 1;40(3):287-303

Metabolic activation of saturated aldehydes to cause destruction of cytochrome P-450 in vitro. White IN. **Chem Biol Interact** 1982 Mar 15;39(2):231-43

Oxidative dealkylation of tertiary amines by iron(III) porphyrin-iodosoxylene system as a model of cytochrome P-450. Miyata N, et al. **Chem Pharm Bull (Tokyo)** 1981 May;29(5):1489-92

Hepatic cytochrome P-450-dependent monooxygenase systems of the trout, frog and snake--II. Monooxygenase activities. Schwen RJ, et al. **Comp Biochem Physiol [B]** 1982;71(3):437-43

Hepatic cytochrome P-450-dependent monooxygenase systems of the trout, frog and snake--I. Components. Schwen RJ, et al. **Comp Biochem Physiol [B]** 1982; 71(3):431-6

The in vivo measurement of expired 14CO2 derived from the N-demethylation of aminopyrine as a reflection of the in vitro hepatic cytochrome P-450 drug-metabolism activity in rats. Kotake AN, et al. **Drug Metab Dispos** 1982 May-Jun;10(3):251-8

Role of isozymes of cytochrome P-450 in the metabolism of N,N-dimethyl-4-aminoazobenzene in the rat. Levine WG, et al. **Drug Metab Dispos** 1982 Mar-Apr;10(2):102-9

1,2-Dimethylhydrazine-induced changes in hepatic, small intestinal, and colonic mucosal cytochromes P-450 and b5 of rats fed citrus pulp or wheat bran. Smith-Barbaro P, et al. **Drug Metab Dispos** 1981 Sep-Oct;9(5):487-8

Cytochrome P-450s: research highlights of the last two decades. Alvares AP. **Drug Metab Rev** 1981;12(2):431-6

Hepatic cytochrome P-450. Paine AJ. **Essays Biochem** 1981; 17:85-126 (171 ref.)

Cytochromes P-450 LM3b and LM4 in biosynthesis of bile acids. Boström H, et al. **Eur J Biochem** 1981 Nov; 120(1):29-32

Enzymic synthesis of juvenile hormone in locust corpora allata: evidence for a microsomal cytochrome P-450 linked methyl farnesoate epoxidase. Feyereisen R, et al. **Eur J Biochem** 1981 Aug;118(2):231-8

The pressure dependence of the spin equilibrium in camphor-bound ferric cytochrome P-450. Hui Bon Hoa G, et al. **Eur J Biochem** 1982 May 17;124(2):311-5

Ontogenic development of steroid 16 alpha-hydroxylase as a tool for the study of the multiplicity of cytochrome P-450. Pasleau F, et al. **Eur J Biochem** 1981 Nov; 120(2):213-20

Loss of substrate binding capacity of the hepatic microsomal cytochrome P-450 in Fasciola hepatica infected rats: toxicological implications. Maffei Facino R, et al. **Farmaco [Sci]** 1982 Mar;37(3):184-91

Temperature-jump measurement of the spin state relaxation rate of cytochrome P450cam. Cole PE, et al. **FEBS Lett** 1981 Oct 26;133(2):252-4

Safrole: its metabolism, carcinogenicity and interactions with cytochrome P-450. Ioannides C, et al. **Food Cosmet Toxicol** 1981 Oct;19(5):657-66 (84 ref.)

O-demethylation of scoparone and studies on the scoparone-induced spectral change of cytochrome P-450 in rat liver microsomes. Müller-Enoch D, et al. **Hoppe Seylers Z Physiol Chem** 1981 Aug;362(8):1091-9

Effect of hypoxia and CO on a cytochrome P-450-mediated reaction in rabbit lungs. Knoblauch A, et al. **J Appl Physiol** 1981 Dec;51(6):1635-42

A spin trap study on anaerobic dehalogenation of halothane by a reconstituted liver microsomal cytochrome P-450 enzyme system. Fujii K, et al. **J Biochem (Tokyo)** 1982 Jan;91(1):415-8

Effect of cytochrome b5 on fatty acid omega- and (omega-1)-hydroxylation catalyzed by partially purified cytochrome P-450 from rabbit kidney cortex microsomes. Kusunose E, et al. **J Biochem (Tokyo)** 1981 Oct; 90(4):1069-76

The true hydrophobicity of microsomal cytochrome P-450 in the rat. Size dependence of the free energy of binding of a series of hydrocarbon substrates from the aqueous phase to the enzyme and to the membrane as derived from spectral binding data. Backes WL, et al. **J Biol Chem** 1982 Apr 25;257(8):4063-70

On the mechanism of action of cytochrome P-450. Evaluation of homolytic and heterolytic mechanisms of oxygen-oxygen bond cleavage during substrate hydroxylation by peroxides. Blake RC 2d, et al. **J Biol Chem** 1981 Dec 10;256(23):12127-33

Direct evidence for electron transfer from ferrous cytochrome b5 to the oxyferrous intermediate of liver microsomal cytochrome P-450 LM2. Bonfils C, et al. **J Biol Chem** 1981 Sep 25;256(18):9457-65

Lipid-protein interactions as determinants of activation or inhibition by cytochrome b5 of cytochrome P-450-mediated oxidations. Bösterling B, et al. **J Biol Chem** 1982 Apr 25;257(8):4375-80

Association of cytochrome b5 and cytochrome P-450 reductase with cytochrome P-450 in the membrane of reconstituted vesicles. Bösterling B, et al. **J Biol Chem** 1982 May 10;257(9):4783-7

Spectroscopic investigations of ferric cytochrome P-450-CAM ligand complexes. Identification of the ligand trans to cysteinate in the native enzyme. Dawson JH, et al. **J Biol Chem** 1982 Apr 10;257(7):3606-17

Functional and structural polymorphism of rabbit microsomal cytochrome P-450 form 3b. Dieter HH, et al. **J Biol Chem** 1982 Aug 25;257(16):9315-23

Kinetic investigation of rat liver microsomal electron transport from NADH to cytochrome P-450. Fisher GJ, et al. **J Biol Chem** 1982 Jul 10;257(13):7449-55

Kinetics and mechanism of carbon monoxide binding to purified liver microsomal cytochrome P-450 isozymes. Gray RD. **J Biol Chem** 1982 Jan 25;257(2):1086-94

Studies on the mechanism of denaturation of cytochrome P-450 by cyclophosphamide and its metabolites. Gurtoo HL, et al. **J Biol Chem** 1981 Nov 25;256(22):11691-701

Rotation of cytochrome P-450. II. Specific interactions of cytochrome P-450 with NADPH-cytochrome P-450 reductase in phospholipid vesicles. Cut J, et al. **J Biol Chem** 1982 Jun 25;257(12):7030-6

Endogenous cysteine ligation in ferric and ferrous cytochrome P-450. Direct evidence from x-ray absorption spectroscopy. Hahn JE, et al. **J Biol Chem** 1982 Sep 25; 257(18):10934-41

Specificity in the activation and inhibition by flavonoids of benzo[a]pyrene hydroxylation by cytochrome P-450 isozymes from rabbit liver microsomes. Huang MT, et al. **J Biol Chem** 1981 Nov 10;256(21):10897-901

Oxidation-reduction states of pyridine nucleotide and cytochrome P-450 during mixed-function oxidation in perfused rat liver. Iyanagi T, et al. **J Biol Chem** 1981 Dec 25;256(24):12933-9

pH modulation of ligand binding to adrenal mitochondrial cytochrome P-450scc. Jefcoate CR. **J Biol Chem** 1982 May 10;257(9):4731-7

The reaction of phenylhydrazine with microsomal cytochrome P-450. Catalysis of heme modification. Jonen HG, et al. **J Biol Chem** 1982 Apr 25;257(8):4404-11

Inhibition of cholesterol side chain cleavage by active site directed antibody to corpus luteum cytochrome P-450. Kashiwagi K, et al. **J Biol Chem** 1982 Mar 10;257(5):2212-7

Rotation of cytochrome P-450. I. Investigations of protein-protein interactions of cytochrome P-450 in phospholipid vesicles and liver microsomes. Kawato S, et al. **J Biol Chem** 1982 Jun 25;257(12):7023-9

Properties of electrophoretically homogeneous constitutive forms of liver microsomal cytochrome P-450. Koop DR, et al. **J Biol Chem** 1981 Oct 25;256(20):10704-11

Cytochrome P-450scc-substrate interactions. Studies of binding and catalytic activity using hydroxycholesterols. Lambeth JD, et al. **J Biol Chem** 1982 Feb 25;257(4):1876-84

Low temperature EPR spectroscopic characterization of the interaction of cytochrome P-450cam with a spin label analog of metyrapone. Mock DM, et al. **J Biol Chem** 1982 May 25;257(10):5372-9

Phenobarbital induction of a soluble cytochrome P-450-dependent fatty acid monooxygenase in Bacillus megaterium. Narhi LO, et al. **J Biol Chem** 1982 Mar 10; 257(5):2147-50

Modulation of Leydig cell androgen biosynthesis and cytochrome P-450 levels during estrogen treatment and human chorionic gonadotropin-induced desensitization. Nozu K, et al. **J Biol Chem** 1981 Oct 10;256(19):10012-7

Oxygenation of arachidonic acid by hepatic monooxygenases. Isolation and metabolism of four epoxide intermediates. Oliw EH, et al. **J Biol Chem** 1982 Apr 10;257(7):3771-81

Formation of low spin complexes of ferric cytochrome P-450-CAM with anionic ligands. Spin state and ligand affinity comparison to myoglobin. Sono M, et al. **J Biol Chem** 1982 May 25;257(10):5496-502

Sulfur donor ligand binding to ferric cytochrome P-450-CAM and myoglobin. Ultraviolet-visible absorption, magnetic circular dichroism, and electron paramagnetic resonance spectroscopic investigation of the complexes. Sono M, et al. **J Biol Chem** 1982 Jul 25; 257(14):8308-20

Stereoselective metabolism of the (+)- and (-)-enantiomers of trans-3,4-dihydroxy-3,4-dihydrobenz[a]anthracene by rat liver microsomes and by a purified and reconstituted cytochrome P-450 system. Thakker DR, et al. **J Biol Chem** 1982 May 10;257(9):5103-10

The oxyferro complex of adrenal cytochrome P-450scc. Effect of cholesterol and intermediates on its stability and optical characteristics. Tuckey RC, et al. **J Biol Chem** 1982 Aug 25;257(16):9309-14

Kinetics of the incorporation of adrenal cytochrome P-450scc into phosphatidylcholine vesicles. Tuckey RC, et al. **J Biol Chem** 1982 Mar 25;257(6):2887-93

Heme ligand replacement reactions of cytochrome P-450. Characterization of the bonding atom of the axial ligand trans to thiolate as oxygen. White RE, et al. **J Biol Chem** 1982 Mar 25;257(6):3073-83

Distribution and induction of cytochrome P-450 in rat liver nuclear envelope. Matsuura S, et al. **J Cell Biol** 1981 Oct; 91(1):212-20

Pesticide induced changes in the mouse hepatic microsomal cytochrome P-450-dependent monooxygenase system and other enzymes. Robacker KM, et al. **J Environ Sci Health [B]** 1981;16(5 Pt B):529-45

Electron-transport cytochrome P-450 system is involved in the microsomal metabolism of the carcinogen chromate. Garcia JD, et al. **J Inorg Biochem** 1981 Jul;14(4):281-95

Effects of passive transfer and induction of gamma (type II immune) interferon preparations on the metabolism of diphenylhydantoin by murine cytochrome P-450. Harned CL, et al. **J Interferon Res** 1982;2(1):5-10

Side chain hydroxylation of C27-steroids and vitamin D3 by a cytochrome P-450 enzyme system isolated from human liver mitochondria. Oftebro H, et al. **J Lipid Res** 1981 Nov;22(8):1254-64

NADPH-dependent reduction of cytochrome P-450 in liver microsomes from vitamin C-deficient guinea pigs: effect of benzphetamine. Rikans LE. **J Nutr** 1982 Sep; 112(9):1796-800

Acute effect of methamphetamine on heme oxygenase activity and on cytochrome P-450 content in the liver of female rats. Hamasaki K, et al. **J Pharmacobiodyn** 1981 May;4(5):374-6

Effects of inducers and inhibitors of cytochrome P-450-linked monooxygenases on the toxicity, in vitro metabolism and in vivo irreversible binding of 2-methylnaphthalene in mice. Griffin KA, et al. **J Pharmacol Exp Ther** 1982 Jun;221(3):517-24

Self-induction by oleandomycin of its own transformation into a metabolite forming an inactive complex with reduced cytochrome P-450. Comparison with troleandomycin. Pessayre D, et al. **J Pharmacol Exp Ther** 1982 Apr; 221(1):215-21

Substrate specificity of adrenocortical cytochrome P-450SCC. II. Effect of structural modification of cholesterol A/B ring on their side chain cleavage reaction. Morisaki M, et al. **J Steroid Biochem** 1982 Jan;16(1):101-5

Side-chain cleavage of C21 steroids to C19 steroids by testicular microsomal cytochrome P-450: 17alpha-hydroxy C21 steroids as obligatory intermediates. Nakajin S, et al. **J Steroid Biochem** 1981 Dec;14(12):1249-52

The effect of ether stress and cycloheximide treatment on cholesterol binding and enzyme turnover of adrenal cortical cytochrome P450scc. von Dippe PJ, et al. **J Steroid Biochem** 1982 Jun;16(6):763–9

Effects of Syphacia muris and the anthelmintic fenbendazole on the microsomal monooxygenase system in mouse liver. Mohn G, et al. **Lab Anim** 1981 Apr;15(2):89–95

An endotoxin–induced serum factor that depresses hepatic delta–aminolevulinic acid synthetase activity and cytochrome P–450 levels in mice. Egawa K, et al. **Microbiol Immunol** 1981;25(10):1091–6

Metabolic–intermediate complex formation reveals major changes in rat hepatic cytochrome P–450 subpopulations in addition to those forms previously purified after phenobarbital, beta–naphthoflavone, and isosafrole induction. Bornheim LM, et al. **Mol Pharmacol** 1982 Mar; 21(2):527–32

Neonatal imprinting and hepatic cytochrome P–450. Immunochemical evidence for the presence of a sex–dependent and neonatally imprinted form(s) of hepatic cytochrome P–450. Chao H, et al. **Mol Pharmacol** 1982 May;21(3):744–52

Bromobenzene metabolism in the rabbit: specific forms of cytochrome P–450 involved in 2,3– and 3,4–epoxidation. Lau SS, et al. **Mol Pharmacol** 1981 Jul;20(1):234–5

1H Fourier transform nuclear magnetic resonance relaxation rate studies on the interaction of acetanilide with purified isozymes of rabbit liver microsomal cytochrome P–450 and with cytochrome b5. Novak RF, et al. **Mol Pharmacol** 1982 May;21(3):701–9

Specificity of rabbit pulmonary cytochrome P–450 isozymes in the activation of several aromatic amines and aflatoxin B1. Robertson LG, et al. **Mol Pharmacol** 1981 Nov; 20(3):662–8

Interferon–mediated depression of cytochrome P–450–dependent drug biotransformation. Singh G, et al. **Mol Pharmacol** 1981 Nov;20(3):681–4

Cytochrome P–450 and monooxygenase activity in cardiac microsomes from the fish Stenotomus chrysops. Stegeman JJ, et al. **Mol Pharmacol** 1982 Mar;21(2):517–26

Reductive metabolism of halothane by human and rabbit cytochrome P–450. Binding of 1–chloro–2,2,2–trifluoroethyl radical to phospholipids. Trudell JR, et al. **Mol Pharmacol** 1982 May;21(3):710–7

Liver microsomal cytochrome P–450 and the oxidative metabolism of arachidonic acid. Capdevila J, et al. **Proc Natl Acad Sci USA** 1981 Sep;78(9):5362–6

Cytochrome P–450–dependent oxygenation of arachidonic acid to hydroxyicosatetraenoic acids. Capdevila J, et al. **Proc Natl Acad Sci USA** 1982 Feb;79(3):767–70

Phenotyping of cytochromes P–450 in human tissues with monoclonal antibodies. Fujino T, et al. **Proc Natl Acad Sci USA** 1982 Jun;79(12):3682–6

Reductive metabolism of carbon tetrachloride by human cytochromes P–450 reconstituted in phospholipid vesicles: mass spectral identification of trichloromethyl radical bound to dioleoyl phosphatidylcholine. Trudell JR, et al. **Proc Natl Acad Sci USA** 1982 Apr;79(8):2678–82

Induction of cytochrome P–450 and metabolic activation of mutagens in the rat ventral prostate. Gustafsson JA, et al. **Prog Clin Biol Res** 1981;75B:191–205

Prostaglandin omega and (omega–1)–hydroxylation by pig kidney cortex cytochrome P–450. Okita RT, et al. **Prog Lipid Res** 1981;20:283–5

Covalent binding of carbon tetrachloride metabolites to the heme moiety of cytochrome P–450 and its degradation products. Fernández G, et al. **Res Commun Chem Pathol Pharmacol** 1982 Feb; 35(2):283–90

Regional differences in peroxidatic activation of paracetamol (acetaminophen) mediated by cytochrome P450 and prostaglandin endoperoxide synthetase in rabbit kidney. Mohandas J, et al. **Res Commun Chem Pathol Pharmacol** 1981 Oct;34(1):69–80

Use of 2–allyl–2–isopropylacetamide as a catalytic site probe for rabbit cytochrome P–450. Smith A. **Res Commun Chem Pathol Pharmacol** 1981 Sep; 33(3):475–85

Changes in rat liver microsomal cytochrome P–450 and enzymatic activities after the inhalation of n–hexane, xylene, methyl ethyl ketone and methylchloroform for four weeks. Toftgård R, et al. **Scand J Work Environ Health** 1981 Mar;7(1):31–7

The role of cytochrome P–450 in the synthesis of polar metabolites of aldosterone by microsomes of male rat liver. Latif SA, et al. **Steroids** 1981 Sep;38(3):307–19

Alterations of specific forms of cytochrome P–450 in rat liver during acute carbon tetrachloride intoxication. Head B, et al. **Toxicol Appl Pharmacol** 1981 Nov;61(2):286–95

Metabolic oxidation of acetaminophen (paracetamol) mediated by cytochrome P–450 mixed–function oxidase and prostaglandin endoperoxide synthetase in rabbit kidney. Mohandas J, et al. **Toxicol Appl Pharmacol** 1981 Nov;61(2):252–9

Cytochrome P–450 dependent monooxygenase activity in rat nasal epithelial membranes. Hadley WM, et al. **Toxicol Lett** 1982 Mar;10(4):417–22

Ring– and N–Hydroxylation of 2–acetylaminofluorene by reconstituted mouse liver microsomal cytochrome P–450 enzyme system. Lotlikar PD, et al. **Toxicol Lett** 1982 Apr; 11(1–2):173–9

Interactions of styrene and styrene oxide with partially purified cytochrome P–450 and P–448 from rat liver microsomes. Mackenzie P, et al. **Toxicol Lett** 1981 Oct; 9(2):183–8

Metabolic activation of dimethylnitrosamine to mutagens: role of cytochromes P–450 and P–448. Phillipson CE, et al. **Toxicol Lett** 1982 Apr;11(1–2):95–101

Effect of acute blood loss on hepatic xenobiotic oxidizing enzymes in the rat. Rauckman EJ, et al. **Toxicol Lett** 1982 Apr;11(1–2):77–9

Activation of benzo(a)pyrene and 2–acetamidofluorene to mutagens by microsomal preparations from different animal species: role of cytochrome P–450 and P–448. Ioannides C, et al. **Xenobiotica** 1981 Oct;11(10):701–8

Interaction of ranitidine with liver microsomes. Rendić S, et al. **Xenobiotica** 1982 Jan;12(1):9–17

[Hepatic microsomal monooxygenase inhibition by nabam in the rat (author's transl)] Périquet A, et al. **Toxicol Eur Res** 1981 Nov;3(6):285–91 (Eng. Abstr.) **(Fre)**

[In vitro hepatic cytochrome P–450 destruction induced by 1,2–dichloroethylene] Testai E, et al. **Boll Soc Ital Biol Sper** 1982 May 15;58(9):513–9 (Eng. Abstr.) **(Ita)**

[Effects of lipopolysaccharide (E. coli) and OK–432, a Streptococcus preparation, on the hepatic drug–metabolizing system in mice (author's transl)] Sasaki K, et al. **Yakugaku Zasshi** 1981 Oct;101(10):932–8 (Eng. Abstr.) **(Jpn)**

[Activation mechanism of molecular oxygen with cytochrome P–450] Davydov RM, et al. **Biofizika** 1981 Nov–Dec;26(6):1096 (Eng. Abstr.) **(Rus)**

[Cytochromes c and P–450 as terminal acceptors in a reconstituted system of mitochondrial hydroxylation] Armenian AG, et al. **Biokhimiia** 1982 May;47(5):784–90 (Eng. Abstr.) **(Rus)**

[Transport of electrons from mitochondria to microsomes in the reconstituted system of cell organelles] Chistiakov VV, et al. **Biokhimiia** 1982 Jan;47(1):55–61 (Eng. Abstr.) **(Rus)**

[Lipid dependence of cytochrome P–450 activity in rat liver microsomes using lipid exchange proteins] Diatlovitskaia EV, et al. **Biokhimiia** 1982 Feb;47(2):216–20 (Eng. Abstr.) **(Rus)**

[Activity of key enzymes of heme synthesis and degradation and contents of cytochromes b5 and P–450 in rat liver] Kaliman PA, et al. **Biokhimiia** 1981 Aug;46(8):1482–7 (Eng. Abstr.) **(Rus)**

[Mechanism of the inhibiting effect of the Cu–tyrosine complex on the hydroxylation reactions] Karuzina II, et al. **Biokhimiia** 1981 Oct;46(10):1754–60 (Eng. Abstr.) **(Rus)**

[Immunochemical study of catalytic activity of cytochrome P–450–LM4 from rabbit liver microsomes] Kurchenko VP, et al. **Biokhimiia** 1981 Dec;46(12):2202–7 (Eng. Abstr.) **(Rus)**

[Participation of the lipid peroxidation process in the mechanisms of rhythmic circadian changes of cytochrome P–450 content in the liver endoplasmic reticulum membranes] Kagan VE, et al. **Biol Nauki** 1981;(11):26–9 **(Rus)**

[Effect of cold stress on the concentration and activity of rat liver microsomal cytochrome [P–450] Deev LI, et al. **Biull Eksp Biol Med** 1981 Aug;92(8):28–30 (Eng. Abstr.) **(Rus)**

[Immunohistochemical localization of cytochrome P–450 in rat liver during phenobarbital induction] Koliada AIu. **Biull Eksp Biol Med** 1981 Jul;92(7):115–6 (Eng. Abstr.) **(Rus)**

[Action of thyroid hormones and somatotropin on the free radical, iron–sulfur protein and cytochrome P–450 state in the liver] Martynenko FP, et al. **Probl Endokrinol (Mosk)** 1982 May–Jun;28(3):69–71 (Eng. Abstr.) **(Rus)**

PHARMACODYNAMICS

Regio–selectivity of purified forms of rabbit liver microsomal cytochrome P–450 in the metabolism of benzo(a)pyrene, n–hexane and 7–ethoxyresorufin. Nilsen OG, et al. **Acta Pharmacol Toxicol (Copenh)** 1981 May;48(5):369–76

Metabolism and activation of aflatoxin B1 by reconstituted cytochrome P–450 system of rat liver. Yoshizawa H, et al. **Cancer Res** 1982 Mar;42(3):1120–4

In vivo and in vitro effects of beta–naphthoflavone on cytochrome P–450–dependent testosterone hydroxylase activities in liver microsomes. Shiverick KT. **Drug Metab Dispos** 1981 Nov–Dec;9(6):545–50

Effects of 1–arylpyrroles and naphthoflavones upon cytochrome P–450 dependent monooxygenase activities. Viswanathan T, et al. **J Med Chem** 1981 Jul;24(7):822–30

PHYSIOLOGY

Differential effects of chronic ethanol feeding on cytochrome P–448– and P–450–mediated drug metabolism in the rat. Mitchell MC, et al. **Biochem Pharmacol** 1982 Mar 1; 31(5):695–9

Specificity of a phenobarbital–induced cytochrome P–450 for metabolism of carbon tetrachloride to the trichloromethyl radical. Noguchi T, et al. **Biochem Pharmacol** 1982 Mar 1;31(5):615–24

RADIATION EFFECTS

Effects of whole–body irradiation on the microsomal enzyme system and on cytochrome P–450 of rat liver. Zajac JM, et al. **Enzyme** 1982;27(1):19–24

One–electron photoreduction of bacterial cytochrome P–450 by ultraviolet light. II. A study using laser flash photolysis of the dynamics of the reduction of bacterial cytochrome P–450 in the presence of carbon monoxide. The role of the protein conformation. Bazin M, et al. **Eur J Biochem** 1982 Jun;124(3):539–44

One–electron photoreduction of bacterial cytochrome P–450 by ultraviolet light. I. Steady–state irradiations. Pierre J, et al. **Eur J Biochem** 1982 Jun;124(3):533–7

CYTOCHROME PEROXIDASE see under **PEROXIDASES**

CYTOCHROME REDUCTASES

The reconstitution of L–3–glycerophosphate–cytochrome c oxidoreductase from L–3–glycerophosphate dehydrogenase, ubiquinone–10 and ubiquinol–cytochrome c oxidoreductase. Cottingham IR, et al. **Biochem J** 1980 Oct 15;192(1):19–31

Ion–exchange chromatography in the presence of the non–ionic dissociating agent chloral hydrate. Application to a membrane protein, bovine heart cytochrome c oxidase. Griffin DC, et al. **Biochem J** 1982 Jan 1;201(1):227–31

Characterization of a membrane–associated NADH–dependent cytochrome C reductase of human platelets. Moroff G, et al. **Thromb Res** 1981 Jul 1–15; 23(1–2):23–31

ANALYSIS

NADH/NADPH–cytochrome c reductase assay: interference by nonenzymatic cytochrome c reducing activity in plant extracts. Pohl U, et al. **Anal Biochem** 1981 Sep 15;116(2):425–32

Improved assay for NADH dehydrogenase of the respiratory chain. Paech C. **Biochem Biophys Res Commun** 1982 Feb 26;104(4):1454–8

Influence of liver disease and environmental factors on hepatic monooxygenase activity in vitro. Brodie MJ, et al. **Eur J Clin Pharmacol** 1981;20(1):39–46

ANTAGONISTS & INHIBITORS

Transplasmalemma NADH dehydrogenase is inhibited by actinomycin D. Sun IL, et al. **Biochem Biophys Res Commun** 1981 Jul 16;101(1):68–75

Interaction of organic dyes with hepatic microsomal drug–metabolizing monooxygenases in vitro. Beyhl FE. **Experientia** 1981;37(9):943–5

A novel inhibitor of NADH dehydrogenase in Paracoccus denitrificans. Phillips MK, et al. **FEBS Lett** 1982 Apr 19; 140(2):248–50

Isolation and characterization of two potent inhibitors of various NADH dehydrogenases formed during storage of NADH. Yamauti J, et al. **J Biochem (Tokyo)** 1981 Oct; 90(4):941–55

BIOSYNTHESIS

Studies on the biosynthesis of microsomal membrane proteins. Site of synthesis and mode of insertion of cytochrome b5, cytochrome b5 reductase, cytochrome P–450 reductase and epoxide hydrolase. Okada Y, et al. **Eur J Biochem** 1982 Feb;122(2):393–402

BLOOD

Purification and properties of human erythrocyte membrane NADH–cytochrome b5 reductase. Kitajima S, et al. **Arch Biochem Biophys** 1981 Aug;210(1):330–9

Studies on NADH–cytochrome b5 reductase activities in hemolysates of human and rabbit red cells by isoelectric focusing. Yubisui T, et al. **Biochem Biophys Res Commun** 1981 Oct 15;102(3):860–6

Age–dependent decay of cytochrome b5 and cytochrome b5 reductase in human erythrocytes. Matsuki T, et al. **Biochem J** 1981 Jan 15;194(1):327–30

[Leukocyte dehydrogenases in acute inflammatory disease of the maxillofacial area] Kovtsur SS, et al. **Stomatologiia (Mosk)** 1981 Sep–Oct;60(5):50–1 (Eng. Abstr.) **(Rus)**

DEFICIENCY

Alteration of NADH–diaphorase and cytochrome b5 reductase activities of erythrocytes, platelets, and leucocytes in hereditary methaemoglobinaemia with and without mental retardation. Takeshita M, et al. **J Med Genet** 1982 Jun;19(3):204–9

Prenatal diagnosis of congenital enzymopenic methaemoglobinaemia with mental retardation due to generalized cytochrome b5 reductase deficiency: first report of two cases. Junien C, et al. **Prenatal Diagn** 1981 Jan;1(1):17–24

GENETICS

No unique mitochondrial translation products in respiratory chain–linked NADH dehydrogenase. Hare JF, et al. **Biochem Biophys Res Commun** 1982 Apr 29;105(4):1250–6

In vitro synthesis of the respiratory NADH dehydrogenase

of Escherichia coli. Role of UUG as initiation codon. Poulis MI, et al. **Biochemistry** 1981 Jul 7;20(14):4178–85

Regional assignment of arylsulfatase A, mitochondrial aconitase and NADH-cytochrome b5 reductase by somatic cell hybridization. Hors-Cayla MC, et al. **Hum Genet** 1981; 58(2):140–3

ISOLATION & PURIFICATION

Simplified isolation and molecular composition of NADH dehydrogenase of the respiratory chain. Paech C, et al. **Biochem J** 1982 May 1;203(2):477–81

Resolution of mitochondrial NADH dehydrogenase and isolation of two iron-sulfur proteins. Ragan CI, et al. **Biochemistry** 1982 Feb 2;21(3):590–4

Density gradient fractionation of digitonin-treated rat liver plasma membranes and subcellular localization of NADH-oxidoreductase and B-type cytochromes. Goldenberg H. **Enzyme** 1982;27(4):227–38

NADH dehydrogenase and NADH oxidation in membrane vesicle from Bacillus subtilis. Bergsma J, et al. **Eur J Biochem** 1981 Dec;120(3):599–606

Purification and properties of soluble NADH-cytochrome b5 reductase of rabbit erythrocytes. Yubisui T, et al. **J Biochem (Tokyo)** 1982 May;91(5):1467–77

Affinity chromatography purification of cytochrome c binding enzymes. Azzi A, et al. **Proc Natl Acad Sci USA** 1982 Apr;79(8):2447–50

METABOLISM

Dependence of microsomal methoxyflurane O-demethylation on cytochrome P-450 reductase and the stoichiometry of fluoride ion and formaldehyde release. Waskell L, et al. **Anesth Analg (Cleve)** 1982 Jul;61(7):609–13

Anthracenedione activation by NADPH-cytochrome P-450 reductase; comparison with anthracyclines. Kharasch ED, et al. **Biochem Pharmacol** 1981 Oct;30(20):2881–4

NADPH-dependent reduction of cytochrome P-450 in liver microsomes from vitamin C-deficient guinea pigs: effect of benzphetamine. Rikans LE. **J Nutr** 1982 Sep; 112(9):1796–800

Membrane synthesis and turnover in secretory cell systems. Meldolesi J, et al. **Methods Cell Biol** 1981;23:445–60 (33 ref.)

[Effect of drugs and poisons on the synthesis and activity of microsomal enzymes participating in their metabolism] Hanke J. **Folia Med Cracov** 1980;22(3–4):263–78 (15 ref.) (Eng. Abstr.) **(Pol)**

[Interaction of NADH-dehydrogenase from M. lysodeikticus membranes with lipids in a reconstituted system] Dergunov AD, et al. **Biokhimiia** 1982 Mar;47(3):478–88 (Eng. Abstr.) **(Rus)**

[Effect of thyroxine on the NADH cytochrome c reductase activity of microsomes and outer mitochondrial membrane of rat liver depending on age] Lemeshko VV. **Biokhimiia** 1981 Oct;46(10):1807–14 (Eng. Abstr.) **(Rus)**

[Localization of gramicidin S on the cytoplasmic membrane of Bacillus brevis and its effect on the activity of membrane enzymes] Vostroknutova GN, et al. **Biokhimiia** 1981 Apr; 46(4):657–66 (Eng. Abstr.) **(Rus)**

[Thyroid hormones and mitochondrial cytochrome c oxidoreductase activity] Tapbergenov SO. **Probl Endokrinol (Mosk)** 1982 Mar–Apr;28(2):49–53 (Eng. Abstr.) **(Rus)**

[Effect of sodium fluoride on succinate dehydrogenase and NADH: cytochrome c-reductase of rat liver mitochondria] Lavrushenko LF. **Ukr Biokhim Zh** 1982;54(1):86–8 (Eng. Abstr.) **(Rus)**

[Ubiquinone content and the oxidative-reductive enzymatic system activity in the liver of vitamin E-deficient rats administered alpha-tocopherol and its chlorine derivative] Donchenko GV, et al. **Vopr Med Khim** 1981 Sep–Oct; 27(5):707–10 **(Rus)**

CYTOCHROMES

Mechanism of hemoglobin oxidation by ferricytochrome c and nitrite. Tomoda A, et al. **Acta Biol Med Ger** 1981; 40(7–8):943–54

Molecular and antigenic properties of cytochrome b5 from slow-muscle sarcoplasmic reticulum. Salviati G, et al. **Biochem J** 1981 Aug 1;197(2):515–8

Differences in stability against thermal unfolding between trypsin- and detergent-solubilized cytochromes b5 and structural changes in the heme vicinity upon the transition: resonance Raman and absorption study. Kitagawa T, et al. **Biochemistry** 1982 Mar 30;21(7):1680–6

Chemical structure of rat liver cytochrome b5. Isolation of peptides by high-pressure liquid chromatography. Ozols J, et al. **Biochim Biophys Acta** 1982 May 21;704(1):163–73

The coordination environment of mitochondrial cytochromes b. Carter KR, et al. **FEBS Lett** 1981 Sep 28;132(2):243–6

Resonance Raman and surface-enhanced resonance Raman studies of cytochrome cd1. Cotton TM, et al. **FEBS Lett** 1981 Oct 12;133(1):39–44

Orientations of the retinyl and the heme chromophores in the brown membrane of Halobacterium halobium. Papadopoulos GK, et al. **J Mol Biol** 1981 Oct 15; 152(1):35–47

Amino acid sequences of bacterial cytochromes c' and c-556. Ambler RP, et al. **Proc Natl Acad Sci USA** 1981 Nov; 78(11):6854–7

[Electrochemical regulation of the transfer of excitation energy in chlorophyll-protein complexes] Salan L, et al. **Biofizika** 1981 Jul–Aug;26(4):628–30 (Eng. Abstr.) **(Rus)**

ANALYSIS

Detection of cytochrome f, a c-class cytochrome, with diaminobenzidine polyacrylamide gels. McDonnel A, et al. **Anal Biochem** 1981 Oct;117(1):40–4

Lateral and transverse organisation of cytochromes in the chloroplast thylakoid membrane. Cox RP, et al. **Biochem Biophys Res Commun** 1981 Dec 31;103(4):1336–42

Resonance Raman spectra of cytochromes c and b in Paracoccus denitrificans membranes: evidence for heme–heme interactions. Adar F, et al. **Biochemistry** 1981 Dec 22;20(26):7528–31

Investigation of the iron-sulfur clusters in some mitochondrial mutants of Saccharomyces cerevisiae. A possible correlation between Rieske's iron-sulfur cluster and cytochrome b. Capeillere-Blandin C, et al. **Eur J Biochem** 1982 Feb;122(2):403–13

Assessment of the cytochrome P-448 dependent liver enzyme system by a caffeine breath test. Wietholtz H, et al. **Eur J Clin Pharmacol** 1981;21(1):53–9

Isoelectric focusing and crossed immunoelectrophoresis of heme proteins in the Escherichia coli cytoplasmic membrane. Kranz RG, et al. **J Bacteriol** 1982 Apr; 150(1):36–45

Inverse correlation between species life span and specific cytochrome P-448 content of cultured fibroblasts. Pashko LL, et al. **J Gerontol** 1982 Jan;37(1):38–41

Improvement of the 2.5 A resolution model of cytochrome b562 by redetermining the primary structure and using molecular graphics. Lederer F, et al. **J Mol Biol** 1981 Jun 5;148(4):427–48

Phase-shift markers in the genus Bordetella: loss of cytochrome d-629 in phase IV variants. Ezzell JW, et al. **Microbios** 1981;31(125–126):171–81

Cytochrome patterns in classification and identification including their relevance to the oxidase test. Jones CW. **Soc Appl Bacteriol Symp Ser** 1980;8:127–38 (33 ref.)

ANTAGONISTS & INHIBITORS

Effect of antimycin on the rapid reduction of cytochrome c1 in the bc1 region of the mitochondrial respiratory chain. Esposti MD, et al. **FEBS Lett** 1982 Jun 1;142(1):49–53

BIOSYNTHESIS

The induction of cytochrome P-448 dependent benzo(a)pyrene hydroxylase in Saccharomyces cerevisiae. King DJ, et al. **Biochem Biophys Res Commun** 1982 Apr 14;105(3):1115–21

The relationship between metabolism of 2,3,4,5,3',4',5'-heptachlorobiphenyl and its ability to induce both cytochromes P-448 and P-450. Corbett J, et al. **Chem Biol Interact** 1982 Apr;39(3):331–8

Biosynthesis of the light-harvesting chlorophyll a/b protein. Polypeptide turnover in darkness. Bennett J. **Eur J Biochem** 1981 Aug;118(1):61–70

Studies on the biosynthesis of microsomal membrane proteins. Site of synthesis and mode of insertion of cytochrome b5, cytochrome b5 reductase, cytochrome P-450 reductase and epoxide hydrolase. Okada Y, et al. **Eur J Biochem** 1982 Feb;122(2):393–402

Cytochromogenic factor: a newly discovered neuroendocrine agent stimulating mitochondrial cytochrome synthesis in the insect fat body. Hayes TK, et al. **Gen Comp Endocrinol** 1981 Sep;45(1):115–24

Induction by 3-methylcholanthrene of microsomal cytochromes and enzyme activities in mouse liver after subchronic ingestion of cadmium chloride. Dieter HH, et al. **Res Commun Chem Pathol Pharmacol** 1982 Apr; 36(1):75–86

[Cytochrome composition and content of Citrobacter freundii] Zatsepin SS, et al. **Mikrobiologiia** 1982 Mar–Apr; 51(2):216–9 (Eng. Abstr.) **(Rus)**

BLOOD

Cytochrome changes in control and concanavalin A-stimulated lymphocytes. Selak MA, et al. **Arch Biochem Biophys** 1982 Jan;213(1):306–17

Cytochrome levels and activity in stored human platelets. Soslau G. **Arch Biochem Biophys** 1982 May;215(2):532–8

The enzymic reduction and kinetics of oxidation of cytochrome b-245 of neutrophils. Cross AR, et al. **Biochem J** 1982 May 15;204(2):479–85

Oxidation-reduction properties of the cytochrome b found in the plasma-membrane fraction of human neutrophils. A possible oxidase in the respiratory burst. Cross AR, et al. **Biochem J** 1981 Feb 15;194(2):599–606

Age-dependent decay of cytochrome b5 and cytochrome b5 reductase in human erythrocytes. Matsuki T, et al. **Biochem J** 1981 Jan 15;194(1):327–30

Cytochrome b-245 of neutrophils is also present in human monocytes, macrophages and eosinophils. Segal AW, et al. **Biochem J** 1981 Apr 15;196(1):363–7

Functional relationship of the cytochrome b to the superoxide-generating oxidase of human neutrophils. Gabig TG, et al. **J Biol Chem** 1982 Apr 25;257(8):4114–9

GENETICS

Differential induction of rat hepatic cytochrome P-448 and glutathione S-transferase B messenger RNAs by 3-methylcholanthrene. Pickett CB, et al. **Biochem Biophys Res Commun** 1982 Jan 29;104(2):611–9

A low-molecular-weight RNA species in yeast mitochondria arising from a 3' end trimming of cytochrome b pre-mRNA. Halbreich A, et al. **Biosci Rep** 1981 Jul; 1(7):533–8

Critical sequences within mitochondrial introns: pleiotropic mRNA maturase and cis-dominant signals of the box intron controlling reductase and oxidase. De La Salle H, et al. **Cell** 1982 Apr;28(4):721–32

Splice points of the third intron in the yeast mitochondrial cytochrome b gene. Lazowska J, et al. **Cell** 1981 Nov;27(1 Pt 2):12–4

The mosaic organization of the apocytochrome b gene of Aspergillus nidulans revealed by DNA sequencing. Waring RB, et al. **Cell** 1981 Nov;27(1 Pt 2):4–11

Modification of the spectral properties of cytochrome b in mutants of Saccharomyces cerevisiae resistant to 3-(3,4-dichlorophenyl)-1,1-dimethylurea. Mapping at two distinct genetic loci of the split mitochondrial gene of cytochrome b. Briquet M, et al. **Eur J Biochem** 1981 Jul; 117(2):333–9

Biosynthesis of the light-harvesting chlorophyll a/b protein. Control of messenger RNA activity by light. Cuming AC, et al. **Eur J Biochem** 1981 Aug;118(1):71–80

Assembly of the mitochondrial membrane system. Processing of the apocytochrome b precursor RNAs in Saccharomyces cerevisiae D273-10B. Bonitz SG, et al. **J Biol Chem** 1982 Jun 10;257(11):6268–74

Single base substitution in an intron of oxidase gene compensates splicing defects of the cytochrome b gene. Dujardin G, et al. **Nature** 1982 Aug 12;298(5875):628–32

Identification and cloning of a yeast nuclear gene (CBP1) involved in expression of mitochondrial cytochrome b. Dieckmann CL, et al. **Proc Natl Acad Sci USA** 1982 Mar; 79(6):1805–9

[Selection method and the characteristics of a cytochrome (a+a3)-deficient mutant of Candida parapsilosis yeasts] Akimenko VK. **Mikrobiologiia** 1981 May–Jun;50(3):515–22 (Eng. Abstr.) **(Rus)**

IMMUNOLOGY

Inhibition of azoreductase activity by antibodies against cytochromes P-450 and P-448. Fujita S, et al. **Biochem Biophys Res Commun** 1981 Sep 16;102(1):492–8

Immunological characterization of cytochrome H-450 in rat tissues. Kim IC. **J Biol Chem** 1982 Jan 25;257(2):1063–70

Monoclonal antibodies to rabbit liver cytochrome P-448. Boobis AR, et al. **Life Sci** 1981 Oct 5;29(14):1443–8

ISOLATION & PURIFICATION

Purification and characterization of the cytochrome P-448 component of a benzo(a)pyrene hydroxylase from Saccharomyces cerevisiae. Azari MR, et al. **Anal Biochem** 1982 May 1;122(1):129–38

Purification and partial characterization of cytochrome b5 from Tetrahymena pyriformis. Fukushima H, et al. **Biochem Biophys Res Commun** 1982 Mar 30;105(2):502–8

Immunopurification of cytochrome P-448 from microsomal fractions of rabbit liver with retention of metabolic activity. Lewis KM, et al. **Biochem Pharmacol** 1982 May 1; 31(9):1815–7

Two forms of cytochrome b in yeast mitochondria: purification, characterization, and localization in the inner mitochondrial membrane. Chen YS, et al. **Biochemistry** 1981 Dec 22;20(26):7557–65

Affinity chromatography purification of cytochrome c oxidase and b-c1 complex from beef heart mitochondria. Use of thiol-sepharose-bound Saccharomyces cerevisiae cytochrome c. Bill K, et al. **Biochim Biophys Acta** 1982 Jan 20;679(1):28–34

Density gradient fractionation of digitonin-treated rat liver plasma membranes and subcellular localization of NADH-oxidoreductase and B-type cytochromes. Goldenberg H. **Enzyme** 1982;27(4):227–38

The partially reduced species present in purified cytochrome oxidase from baker's yeast is cytochrome a. Siedow JN, et al. **J Bioenerg Biomembr** 1981 Aug;13(3–4):171–9

Isolation and properties of cytochrome b561 from bovine adrenal chromaffin granules. Duong LT, et al. **J Biol Chem** 1982 Aug 10;257(15):8561–4

Purification and characterization of a second form of hepatic cytochrome P-448 from rats treated with a pure polychlorinated biphenyl isomer. Goldstein JA, et al. **J Biol Chem** 1982 Mar 10;257(5):2702–7

The isolation of a hexaheme cytochrome from Desulfovibrio desulfuricans and its identification as a new type of nitrite reductase. Liu MC, et al. **J Biol Chem** 1981 Dec 25; 256(24):13159–64

Partial purification of pulmonary cytochrome P-448 from 3-methylcholanthrene-treated rats. Tamura Y, et al. **J Toxicol Sci** 1981 May;6(2):71–81

Affinity chromatography purification of cytochrome c binding enzymes. Azzi A, et al. **Proc Natl Acad Sci USA** 1982 Apr;79(8):2447–50

METABOLISM

Effects of hypoxia and fasting on the cytochrome concentration in intestinal epithelial villous cell mitochondria. Role of changes in the life-span of the cells. Kinnula VL, et al. **Acta Physiol Scand** 1981 Aug; 112(4):387–93

Possible mechanism of coupled NADPH oxidase and P-450 monooxygenase action. Jansson I, et al. **Adv Exp Med Biol** 1981;136 Pt A:145–63

Interaction of purified microsomal cytochrome P-450 with cytochrome b5. Chiang JY. **Arch Biochem Biophys** 1981 Oct 15;211(2):662–73

The respiratory system of Pseudomonas putida: participation of cytochromes in electron transport. Sweet WJ, et al. **Arch Biochem Biophys** 1981 Jun;209(1):256–65

Isolation of Paracoccus denitrificans cytochrome cd1: comparative kinetics with other nitrite reductases. Timkovich R, et al. **Arch Biochem Biophys** 1982 Apr 15; 215(1):47–58

Participation of a cytochrome b5-like hemoprotein of outer mitochondrial membrane (OM cytochrome b) in NADH-semidehydroascorbic acid reductase activity of rat liver. Ito A, et al. **Biochem Biophys Res Commun** 1981 Jul 30;101(2):591–8

The involvement of cytochrome b5 in 5 beta-cholestane-3 alpha, 7 alpha, 12 alpha-triol 25-hydroxylation and taurodeoxycholate 7 alpha-hydroxylation of rat liver. Noshiro M, et al. **Biochem Biophys Res Commun** 1982 Jun 15;106(3):927–32

Contribution of microsomal cytochrome b5 electron transport system coupled with delta 5-3 beta-hydroxysteroid dehydrogenase to androgen synthesis from progesterone. Ohba H, et al. **Biochem Biophys Res Commun** 1981 Dec 31;103(4):1273–80

The cytochromes in microsomal fractions of germinating mung beans. Hendry GA, et al. **Biochem J** 1981 Mar 15; 194(3):743–51

Carbon monoxide- and oxygen-reacting haemoproteins in the mitochondrial fraction from the soil amoeba Acanthamoeba castellanii. Studies at subzero temperatures. Lloyd D, et al. **Biochem J** 1981 Nov 15;200(2):337–42

Control of electron transfer in the cytochrome system of mitochondria by pH, transmembrane pH gradient and electrical potential. The cytochromes b–c segment. Papa S, et al. **Biochem J** 1981 Feb 15;194(2):395–406

The H+/e- stoicheiometry of respiration-linked proton translocation in the cytochrome system of mitochondria. Papa S, et al. **Biochem J** 1980 Oct 15;192(1):203–18

Three functionally different cytochrome b redox centres in pigeon heart mitochondria. Rasmussen UF, et al. **Biochem J** 1982 Feb 1;201(2):311–20

Preparation of a fluorescent derivative of cytochrome b5 and its interaction with phospholipids. Gilmore R, et al. **Biochemistry** 1982 Mar 30;21(7):1673–80

Interaction of photosynthetic electron transport inhibitors and the Rieske Iron-Sulfur center in chloroplasts and the cytochrome b6-f complex. Malkin R. **Biochemistry** 1982 Jun 8;21(12):2945–50

Spectrophotometric analysis of the interaction between cytochrome b5 and cytochrome c. Mauk MR, et al. **Biochemistry** 1982 Apr 13;21(8):1843–6

The triphasic reduction of cytochrome b in the succinate-cytochrome c reductase. Jin YZ, et al. **Biochim Biophys Acta** 1981 Oct 12;637(3):551–4

Oxidation-reduction potentials of respiratory chain components in Thiobacillus A2. Kula TJ, et al. **Biochim Biophys Acta** 1982 May 19;680(2):142–51

Myxothiazol, a new inhibitor of the cytochrome b-c1 segment of th respiratory chain. Thierbach G, et al. **Biochim Biophys Acta** 1981 Dec 14;638(2):282–9

Function of the iron-sulfur protein of the cytochrome b-c1 segment in electron-transfer and energy-conserving reactions of the mitochondrial respiratory chain. Trumpower BL. **Biochim Biophys Acta** 1981 Dec 4; 639(2):129–55 (142 ref.)

Kinetics of cytochrome b reduction in submitochondrial particles. Van Ark G, et al. **Biochim Biophys Acta** 1981 Aug 12;637(1):34–42

Lifetime of fluorescence from light-harvesting chlorophyll a/b proteins. Excitation intensity dependence. Nordlund TM, et al. **Biophys J** 1981 Oct;36(1):193–201

Relationship between succinate excretion and cytochrome levels in Saccharomyces cerevisiae. Freitas-Valle AB, et al. **Cell Mol Biol** 1981;27(5):467–71

Hepatic cytochrome P-450-dependent monooxygenase systems of the trout, frog and snake—I. Components. Schwen RJ, et al. **Comp Biochem Physiol [B]** 1982; 71(3):431–6

1,2-Dimethylhydrazine-induced changes in hepatic, small intestinal, and colonic mucosal cytochromes P-450 and b5 of rats fed citrus pulp or wheat bran. Smith-Barbaro P, et al. **Drug Metab Dispos** 1981 Sep-Oct;9(5):487–8

A cytochrome f/b6 complex of five polypeptides with plastoquinol-plastocyanin-oxidoreductase activity from spinach chloroplasts. Hurt E, et al. **Eur J Biochem** 1981 Jul;117(3):591–5

Spectral properties of cytochrome b-561 and cytochrome b-565 in mucidin-resistant mutants of Saccharomyces cerevisiae. Subík J, et al. **Eur J Biochem** 1981 Oct; 119(3):613–8

Photolysis at very low temperatures of co-liganded cytochrome oxidase (cytochrome d) in oxygen-limited Escherichia coli. Poole RK, et al. **FEBS Lett** 1982 May 17;141(2):237–41

Assembly of functional b-type cytochromes in membranes from a 5-aminolaevulinic acid-requiring mutant of Escherichia coli. Reid GA, et al. **FEBS Lett** 1981 Aug 31;131(2):346–50

Complete inhibition of electron transfer from ubiquinol to cytochrome b by the combined action of antimycin and myxothiazol. von Jagow G, et al. **FEBS Lett** 1981 Dec 21;136(1):19–24

Effects of growth substrate and respiratory chain composition on bioenergetics in Acinetobacter sp. strain HO1-N. Ensley BD, et al. **J Bacteriol** 1981 Nov;148(2):508–13

Effect of cytochrome b5 on fatty acid omega- and (omega-1)-hydroxylation catalyzed by partially purified cytochrome P-450 from rabbit kidney cortex microsomes. Kusunose E, et al. **J Biochem (Tokyo)** 1981 Oct; 90(4):1069–76

Molecular mechanism of proton translocation by the cytochrome system and the ATPase of mitochondria. Role of proteins. Papa S. **J Bioenerg Biomembr** 1982 Apr; 14(2):69–86 (101 ref.)

Direct evidence for electron transfer from ferrous cytochrome b5 to the oxyferrous intermediate of liver microsomal cytochrome P-450 LM2. Bonfils C, et al. **J Biol Chem** 1981 Sep 25;256(18):9457–65

Association of cytochrome b5 and cytochrome P-450 reductase with cytochrome P-450 in the membrane of reconstituted vesicles. Bösterling B, et al. **J Biol Chem** 1982 May 10;257(9):4783–7

Lipid–protein interactions as determinants of activation or inhibition by cytochrome b5 of cytochrome P-450-mediated oxidations. Bösterling B, et al. **J Biol Chem** 1982 Apr 25;257(8):4375–80

Oxygenated intermediate and carbonyl species of cytochrome o (Vitreoscilla). Characterization by infrared spectroscopy. Choc MG, et al. **J Biol Chem** 1982 Jan 25;257(2):865–9

Rat liver 'cytochrome b9' is sulfite oxidase. Johnson JL. **J Biol Chem** 1981 Oct 10;256(19):9824–5

Reduction of cytochromes b6 and f in isolated plastoquinol-plastocyanin oxidoreductase driven by photochemical reaction centers from Rhodopseudomonas sphaeroides. Prince RC, et al. **J Biol Chem** 1982 Apr 10; 257(7):3379–81

The light-reversible binding of carbon monoxide to cytochrome a1 in Escherichia coli K12. Poole RK, et al. **J Gen Microbiol** 1981 Aug;125(Pt 2):431–8

The reaction of cytochrome o in Escherichia coli K12 with oxygen. Evidence for a spectrally and kinetically distinct cytochrome o in cells from oxygen-limited cultures. Poole RK, et al. **J Gen Microbiol** 1981 Oct;126(Pt 2):277–87

Respiratory biogenesis during the cell cycle of aerobically grown Escherichia coli K 12. The accumulation and ligand binding of cytochrome o. Scott RI, et al. **J Gen Microbiol** 1981 Feb;122(Pt 2):255–61

Molecular interpretation of kinetic-ionic strength effects. Feinberg BA, et al. **J Inorg Biochem** 1981 Nov;15(3):187–99

Import of proteins into mitochondria. Maccecchini ML. **Methods Cell Biol** 1981;23:39–50 (21 ref.)

1H Fourier transform nuclear magnetic resonance relaxation rate studies on the interaction of acetanilide with purified isozymes of rabbit liver microsomal cytochrome P-450 and with cytochrome b5. Novak RF, et al. **Mol Pharmacol** 1982 May;21(3):701–9

Photoreduction of cytochrome b557 of partially purified Neurospora nitrate reductase via its internal flavin. Ninnemann H. **Photochem Photobiol** 1982 Mar;35(3):391–8

Influence of age and of short-term and repeated fasting on the cytochrome concentration in mitochondria isolated from different parts of the rat CNS and liver. Dobešová Z, et al. **Physiol Bohemoslov** 1981;30(4):329–34

Imported mitochondrial proteins cytochrome b2 and cytochrome c1 are processed in two steps. Gasser SM, et al. **Proc Natl Acad Sci USA** 1982 Jan;79(2):267–71

Influence of two haloalkanes on the redox behavior of hepatic microsomal cytochrome b-5 and its possible relationship to stearate desaturase. Ivanetich KM, et al. **Res Commun Chem Pathol Pharmacol** 1981 Dec; 34(3):473–84

Interactions of styrene and styrene oxide with partially purified cytochrome P-450 and P-448 from rat liver microsomes. Mackenzie P, et al. **Toxicol Lett** 1981 Oct; 9(2):183–8

Metabolic activation of dimethylnitrosamine to mutagens: role of cytochromes P-450 and P-448. Phillipson CE, et al. **Toxicol Lett** 1982 Apr;11(1–2):95–101

Activation of benzo(a)pyrene and 2-acetamidofluorene to mutagens by microsomal preparations from different animal species: role of cytochrome P-450 and P-448. Ioannides C, et al. **Xenobiotica** 1981 Oct;11(10):701–8

Anomalous reduction of cytochrome b in highly purified complex III from baker's yeast. de la Rosa FF, et al. **Z Naturforsch [C]** 1982 May-Jun;37(5–6):445–7

[Effects of acute hypoxia upon the concentration of cytochromes in the brain and the liver of differently aged rats (author's transl)] Dobešová Z, et al. **Sb Lek** 1982 Mar; 84(3):71–6 (Eng. Abstr.) **(Cze)**

[Effect of ionol-type antioxidants on the energetics of liver mitochondria] Drobinskaia IE, et al. **Biokhimiia** 1982 Jan; 47(1):81–5 (Eng. Abstr.) **(Rus)**

[Activity of key enzymes of heme synthesis and degradation and contents of cytochromes b5 and P-450 in rat liver] Kaliman PA, et al. **Biokhimiia** 1981 Aug;46(8):1482–7 (Eng. Abstr.) **(Rus)**

[ATP-synthetase activity, respiration and cytochromes of rat heart mitochondria in aging and hyperthyroidism] Lemeshko VV, et al. **Biokhimiia** 1982 Apr;47(4):552–60 (Eng. Abstr.) **(Rus)**

[Effect of digoxin, strophanthin and isolanid on oxygen absorption, oxidative phosphoryiation and the amount of cytochromes in the myocardial mitochondria and their ATPase activity] Tsyganil AA, et al. **Farmakol Toksikol** 1982 Jan-Feb;45(1):30–2 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

The nature and function of the microbicidal oxidase system of neutrophils. Segal AW, et al. **Adv Exp Med Biol** 1982; 141:401–9

Differential effects of chronic ethanol feeding on cytochrome P-448- and P-450-mediated drug metabolism in the rat. Mitchell MC, et al. **Biochem Pharmacol** 1982 Mar 1; 31(5):695–9

Formation of a membrane potential by reconstructed liposomes made with cytochrome b562-o complex, a terminal oxidase of Escherichia coli K12. Kita K, et al. **J Biol Chem** 1982 Jul 25;257(14):7933–5

RADIATION EFFECTS

Photoreactions of cytochromes in algal chloroplasts. Böhme H, et al. **Eur J Biochem** 1980 May;106(1):329–36

Influence of oxygen on the radiochemical inactivation of the microsomal monooxygenase complex. Ekert B, et al. **Int J Radiat Biol** 1981 Nov;40(5):525–39

CYTODIAGNOSIS

Comparison of written-visual and microslide-screening test measures in cytotechnology. Hicklin MD, et al. **Acta Cytol (Baltimore)** 1981 Nov-Dec;25(6):691–704

The value of imprint cytology in tumor diagnosis: a retrospective study of 522 cases in northern China. Lee TK. **Acta Cytol (Baltimore)** 1982 Mar-Apr;26(2):169–71

Evaluation of resident-in-training examination in cytopathology. Rasmussen K, et al. **Acta Cytol (Baltimore)** 1981 Nov-Dec;25(6):684–90

Can you define benign and malignant cells histologically? **Am J Dermatopathol** 1982 Jun;4(3):277–82

Numerical evaluation of cytologic data. XI. Nested designs in multivariate analysis of variance. Bartels PH. **Anal Quant Cytol** 1982 Jun;4(2):81–94

The role of cytologic studies in the diagnosis of carcinoma of the stomach. Au FC, et al. **Curr Surg** 1982 May-Jun; 39(3):163–4

The effect of abnormal cell proportion on specimen classifier performance. Castleman KR, et al. **Cytometry** 1981 Nov; 2(3):155–8

Quality control in cytology laboratories. Melamed MR. **Gynecol Oncol** 1981 Oct;12(2 Pt 2):S206–11

Evaluation of imprint cytodiagnosis in cases of lymphadenopathy. Nagpal BL, et al. **Indian J Pathol Microbiol** 1982 Jan;25(1):35–9

Evaluation of cytodiagnosis by imprint method in breast tumours. Singh A, et al. **Indian J Pathol Microbiol** 1982 Jan;25(1):29–33

Sonographically guided fine-needle aspiration of liver lesions. Rosenblatt R, et al. **JAMA** 1982 Oct 1; 248(13):1639–41

Retrograde brushing to the urothelial tumors of the upper urinary tract for early diagnosis and treatment. Hayakawa M, et al. **Keio J Med** 1981 Apr;30(2):97–103

The application of morphometry in gastric cytological diagnosis. Boon ME, et al. **Virchows Arch [Pathol Anat]** 1981;393(2):159–64

[Cytodiagnosis of malignant non-Hodgkin's lymphomas in effusions (author's transl)] Wünsch PH, et al. **Virchows Arch [Cell Pathol]** 1981;36(2–3):275–90 (Eng. Abstr.) **(Ger)**

[The importance of endoscopy and cytology in the diagnosis of esophageal cancer] Califano G, et al. **Minerva Chir** 1980 Dec 15–31;35(23–24):1907–12 **(Ita)**

[Cyto-histology in the diagnosis of urothelial neoplastic disease of the bladder] De Seta A, et al. **Minerva Urol** 1981 Apr-Jun;33(2):67–72 **(Ita)**

[Cytology of prostate needle-biopsy specimens. Personal experience] Mazzitelli M, et al. **Minerva Urol** 1981 Jul-Sep; 33(3):129–30 **(Ita)**

[Comparison of dubious and positive cervical cytological examinations for neoplasms and correlated histological examinations made 1970–1980 at the Savona Hospital] Ballerini D, et al. **Pathologica** 1981 Sep-Oct; 73(1027):793–803 (Eng. Abstr.) **(Ita)**

[Automation in diagnostic cytology (author's transl)] Giacomini G, et al. **Pathologica** 1981 Jan-Feb;73(1023):3–10 (Eng. Abstr.) **(Ita)**

[Preparation of gynecological smears for high-resolution automatic analysis] Gualtieri P, et al. **Pathologica** 1982 Jan-Feb;74(1029):23–31 (40 ref.) (Eng. Abstr.) **(Ita)**

[Studies on intraperitoneal cytodiagnosis in the gynaecological field and on cytodiagnosis of ovarian tumors (author's transl)] Nagata K. **Igaku Kenkyu** 1980 Jun; 50(5):361–72 (Eng. Abstr.) **(Jpn)**

[Cytopathology of nonneoplastic diseases in obstetrics and gynecology (author's transl)] Namiki T, et al.

Rinsho Byori 1981 Jun;29(6):597–603 (7 ref.) **(Jpn)**
[The differential diagnosis of cervical carcinoma. An objective confirmation of the value of cytological examination] Waszyński E, et al. **Wiad Lek** 1982 May 1; 35(3–4):197–200 (Eng. Abstr.) **(Pol)**
[Value of exfoliative cytology in the diagnosis of bladder tumors] Proca E, et al. **Rev Chir [Chir]** 1982 Jan–Feb; 31(1):1–7 **(Rum)**
[Experience in training physicians in the cytological diagnosis of tumors] Agamova KA, et al. **Vopr Onkol** 1982; 28(8):69–73 **(Rus)**

HISTORY

[History of the development of the cytological diagnostic method] Kunitsa LK, et al. **Vrach Delo** 1981 Jul;(7):123–5 **(Rus)**

INSTRUMENTATION

Clinical experience with a new endometrial cell sampling kit (Isaacs curity endometrium cell sampler) in the early detection of endometrial cancer. Feichter GE, et al. **Acta Cytol (Baltimore)** 1982 Mar–Apr;26(2):141–3
Cerebrospinal fluid cytomorphology. A new sedimentation apparatus. Nair CN, et al. **Indian J Cancer** 1982 Mar; 19(1):11–3

METHODS

Scanning electron microscopy of alcohol-fixed cytopathology specimens. Becker SN, et al. **Acta Cytol (Baltimore)** 1981 Sep–Oct;25(5):578–84
Learning from quantitation. Alons CL, et al. **Anal Quant Cytol** 1981 Sep;3(3):178–81
Cytologic cell collection, suspension and preservation for automated screening procedures. Montana J, et al. **Anal Quant Cytol** 1982 Mar;4(1):55–60
Evaluation of single-cell classification schemes for computer classification of cervical cells. Poulsen RS, et al. **Anal Quant Cytol** 1981 Sep;3(3):207–15
Bladder cancer diagnosis by image analysis of cells in voided urine using a small computer. Sherman A, et al. **Anal Quant Cytol** 1981 Sep;3(3):239–49
Centrifugal cytology of ocular fluids. Stulting RD, et al. **Arch Ophthalmol** 1982 May;100(5):822–5
The tradeoff of cell classifier error rates. Castleman KR, et al. **Cytometry** 1980 Sep;1(2):156–60
Evaluation of brush rinsings for the cytologic diagnosis of esophageal and gastric cancer. Batra SK, et al. **Gastrointest Endosc** 1982 Feb;28(1):23–5
Millipore filter versus cytocentrifuge technique in cytopathological diagnosis. Verma K, et al. **Indian J Med Res** 1981 Jul;74:135–400
Monoclonal antibodies and fine needle aspiration cytology in detecting renal allograft rejection. Wood RF, et al. **Lancet** 1982 Jul 31;2(8292):278
The value of endometrial cell sampling in the management of post-menopausal women. Wren BG, et al. **Maturitas** 1981 Dec;3(3–4):189–96
Computer analysis of microscopic images: application in cytopathology. Wied GL, et al. **Pathol Annu** 1981;16 Pt 1:367–409
[Potentials of electron microscopic study in the diagnosis of pathological processes in biopsy and necropsy material fixed in formalin and mounted in paraffin] Georgiev Ch. **Eksp Med Morfol** 1981;20(4):242–6 (Eng. Abstr.) **(Bul)**
[Application of cytocentrifugation to routine cytological diagnosis of solid pathologic tissues (author's transl)] Eloit P, et al. **Ann Pathol** 1981;1(4):317–25 (Eng. Abstr.) **(Fre)**
[Results of the cytological examinations of cells from the uterine cavity (author's transl)] Clocuh YP, et al. **Geburtshilfe Fraunheilkd** 1982 Jan;42(1):39–42 (Eng. Abstr.) **(Ger)**
[What can clinical cytology offer the ambulatory patient? (author's transl)] Pedio G. **Praxis** 1982 May 18; 71(20):837–41 (Eng. Abstr.) **(Ger)**
[Rapid intraoperative cytodiagnosis of chest diseases (author's transl)] Shiba M, et al. **Nippon Kyobu Shikkan Gakkai Zasshi** 1982 Apr;20(4):414–9 (Eng. Abstr.) **(Jpn)**
[Cytodiagnosis of neoplasms of the liver, biliary tract and pancreas] Shida S, et al. **Nippon Rinsho** 1982;40(1):135–45 **(Jpn)**
[Identification of cancer cells with Papanicolaou staining in cases of false positive in urinary sediment (author's transl)] Masuda K, et al. **Rinsho Byori** 1981 Jun;29(6):633–5 **(Jpn)**

TRENDS

The future is coming--only you can decide where it is going. The George N. Papanicolaou Lecture. Ng AB. **Acta Cytol (Baltimore)** 1981 Nov–Dec;25(6):593–8

CYTOFLUOROMETRY, FLOW see **FLOW CYTOMETRY**

CYTOGENETICS

see related
CHROMOSOME ABNORMALITIES
CHROMOSOME MAPPING
KARYOTYPING

Development of an interregional cytogenetics register system [letter] Pasztor LM. **Am J Med Genet** 1982 Feb; 11(2):249–50
Cytogenetic conversion following allogeneic bone marrow transplantation for advanced chronic myelogenous leukemia. McGlave PB, et al. **Blood** 1981 Nov;58(5):1050–2
Fine needle aspiration biopsy: a useful tool in tumor cytogenetics with special reference to malignant lymphomas. Kristoffersson U, et al. **Cancer Genet Cytogenet** 1981 Aug;4(1):53–60
Current status of cytogenetic studies in animal tumors with special reference to nonrandom chromosome changes. Sasaki M. **Cancer Genet Cytogenet** 1982 Feb;5(2):153–72 (158 ref.)
An international system for human cytogenetic nomenclature--high-resolution banding (1981). ISCN (1981). Report of the Standing Committee on Human Cytogenetic Nomenclature. **Cytogenet Cell Genet** 1981; 31(1):5–23
Improved autoradiographic procedure for cytogenetics: inverted coverslips and double illumination. Stoll M, et al. **Cytogenet Cell Genet** 1981;31(2):101–3
Cytogerontology since 1881: a reappraisal of August Weismann and a review of modern progress. Kirkwood TB, et al. **Hum Genet** 1982;60(2):101–21
Cytogenetic diagnosis of malignant pleural effusions: culture methods to supplement direct preparations in diagnosis. Dewald GW, et al. **Mayo Clin Proc** 1982 Aug;57(8):488–94
Symposium: cytogenetics – techniques, research, and practical implications. **Poult Sci** 1981 Jul;60(7):1353–1590
Cytogenetic and antigenic studies in a pair of twins: a normal boy and a trisomic 21 girl with chimera. Gilgenkrantz S, et al. **Prog Clin Biol Res** 1981;69A:141–53
[Report of the activities of a private cytogenetics laboratory] Ferrier A. **Rev Med Suisse Romande** 1981 Dec; 101(12):957–62 **(Fre)**
[Investigation of human cytogenetics for research on human evolution] Bullerdiek J, et al. **Anthropol Anz** 1982 Jun; 40(2):81–9 (Eng. Abstr.) **(Ger)**
[The use of chromosome variants in clinical cytogenetics (author's transl)] Schinzel A. **Wien Klin Wochenschr** 1982 Apr 16;94(8):210–3 (Eng. Abstr.) **(Ger)**
[Cytogenetic investigations in 817 dysmorphic babies] Kiss P, et al. **Z Gesamte Inn Med** 1981 Jun 1;36(11):356–60 (Eng. Abstr.) **(Ger)**
[The analysis of chromosomes today: aspects of the technic with indications and importance of the method] Mücke J, et al. **Z Gesamte Inn Med** 1981 Jun 1;36(11):347–51 (Eng. Abstr.) **(Ger)**
[Importance of cytogenetics in obstetrics and gynecology] Paladini A, et al. **Minerva Ginecol** 1980 Dec;32(12):1131–3 **(Ita)**
[Proceedings of the 5th National Conference on Medical Cytogenetics. Ancona, 11–12 April 1980. Abstracts] **Pathologica** 1981 Mar–Apr;73(1024):291–404 **(Ita)**
[Cytogenetical approach to cancer] Oikawa T. **Hokkaido Igaku Zasshi** 1980 Nov;55(6):588–91 **(Jpn)**
[Genetic analyses of somatic cell mutants (author's transl)] Ayusawa D. **Tanpakushitsu Kakusan Koso** 1982; 27(9):1244–62 (59 ref.) **(Jpn)**
[Somatic cell genetics: introductory remarks (author's transl)] Seno T. **Tanpakushitsu Kakusan Koso** 1982 Apr;27(5):661–3 (21 ref.) **(Jpn)**
[New developments in cancer cytogenetics] Pogosiants EE. **Genetika (Moskva)** 1981;17(12):2087–99 (73 ref.) (Eng. Abstr.) **(Rus)**
[Cellular genetics in the study of hereditary diseases] Grinberg KN. **Vestn Akad Med Nauk SSSR** 1982;(6):76–81 (32 ref.) (Eng. Abstr.) **(Rus)**
[Cytogenetic studies in chronic myelogenous leukaemia (author's transl)] Carbonell F. **Sangre (Barc)** 1981; 26(3):291–9 **(Spa)**

CYTOKININS see under **PLANT GROWTH REGULATORS**

CYTOLOGICAL TECHNICS

see related
CYTODIAGNOSIS

A method of comparing spermatozoa with light and scanning electron microscopy. Sauvalle AM, et al. **Acta Cytol (Baltimore)** 1982 May–Jun;26(3):371–5
A comparison of four methods to measure fat cell size. Clarkson PM, et al. **Am J Clin Nutr** 1981 Oct; 34(10):2287–90
Automated staining of bone marrow and peripheral blood by a modified Wright's technic. Kutaish N. **Am J Clin Pathol** 1982 Mar;77(3):319–20
Abstracts: 1982 International Conference on High Resolution Cell Image Analysis. North Hollywood, California, January 24--26, 1982. **Anal Quant Cytol** 1982 Jun; 4(2):140–64
Numerical evaluation of cytologic data. IX. Search for data structure by principal components transformation. Bartels PH. **Anal Quant Cytol** 1981 Sep;3(3):167–77
Numerical evaluation of cytologic data. X. Introduction to multivariate analysis of variance. Bartels PH. **Anal Quant Cytol** 1981 Dec;3(4):251–60
TULIPS: the Uppsala-Linkoping Image Processing System. Holmquist J, et al. **Anal Quant Cytol** 1981 Sep;3(3):182–94
Data analysis of two-parameter flow cytometric measurements. Scholz KU. **Anal Quant Cytol** 1981 Dec; 3(4):323–9
Computer discrimination of ectocervical cells: assessment of the value of spectral information. Wied GL, et al. **Anal Quant Cytol** 1981 Sep;3(3):225–34
A cellular investment of bone marrow. Menton DN, et al. **Anat Rec** 1982 May;203(1):157–64
Plexus muscularis profundus and associated interstitial cells. I. Light microscopical studies of mouse small intestine. Rumessen JJ, et al. **Anat Rec** 1982 May;203(1):115–27
An improved method for processing single cells for electron microscopy utilizing agarose. Yuan LC, et al. **Anat Rec** 1981 Oct;201(2):273–81
Stereology and its uses in cell biology. Bolender RP. **Ann NY Acad Sci** 1982;383:1–16
Removal of extracellular materials by HCL-tween treatment. Shimada T, et al. **Arch Histol Jpn** 1981 May;44(2):189–92
Bacterial mesosomes: method dependent artifacts. Ebersold HR, et al. **Arch Microbiol** 1981 Sep;130(1):19–22
Liver snips. A simple, rapid and reproducible method for studying metabolism in small fragments of tissue, as applied to glucuronidation in rat liver. Pollard MR, et al. **Biochem J** 1982 Feb 15;202(2):469–73
Measurement of medium lysyl oxidase activity in aorta smooth muscle cells. Effects of multiple medium changes and inhibition of protein synthesis. Gonnerman WA, et al. **Biochemistry** 1981 Jun 23;20(13):3864–7
The selective culture of keratinocytes using a cytotoxic antifibroblast monoclonal antibody. Gusterson BA, et al. **Br J Dermatol** 1981 Sep;105(3):273–7
Impression cytology in conjunctivitis. Hershenfeld S, et al. **Can J Ophthalmol** 1981 Apr;16(2):76–8
Direct cloning of human breast cancer in soft agar culture. Sandbach J, et al. **Cancer** 1982 Oct 1;50(7):1315–21
Clonogenic assay and in vitro chemosensitivity testing of human urologic malignancies. Sarosdy MF, et al. **Cancer** 1982 Oct 1;50(7):1332–8
Direct cloning of human malignant melanoma. Von Hoff DD, et al. **Cancer** 1982 Aug 15;50(4):696–701
Isolation of quiescent cells from multicellular tumor spheroids using centrifugal elutriation. Bauer KD, et al. **Cancer Res** 1982 Jan;42(1):72–8
Quantitative determination of disseminated tumor cells by [3H]thymidine incorporation in vitro and by agar colony formation. Schirrmacher V, et al. **Cancer Res** 1982 Feb; 42(2):660–6
Clonal proliferation of cultured nonmalignant and malignant human breast epithelia. Smith HS, et al. **Cancer Res** 1981 Nov;41(11 Pt 1):4637–43
Growth of human mammary epithelial cells on collagen gel surfaces. Yang NS, et al. **Cancer Res** 1981 Oct; 41(10):4093–100
Introduction of macromolecules into cultured mammalian cells by osmotic lysis of pinocytic vesicles. Okada CY, et al. **Cell** 1982 May;29(1):33–41
A new intercellular communication assay: its use in studies on the mechanism of tumour promotion. Fitzgerald DJ, et al. **Cell Biol Int Rep** 1982 Mar;6(3):235–42
A light microscopic study of the development and behaviour of the synaptonemal complex in spermatocytes of the mouse. Dietrich AJ, et al. **Chromosoma** 1981;83(3):409–18
An improved method for preparing cell suspensions used for the cloning of human tumors. Gioanni J, et al. **Clin Chim Acta** 1982 Jul 1;122(2):289–91
VIII Conference on Analytical Cytology and Cytometry. Wentworth-by-the-Sea, New Hampshire, May 19–25, 1981. Abstracts. **Cytometry** 1981 Sep;2(2):85–141
Extraction of morphological features from biological models and cells by Fourier analysis of static light scatter measurements. Burger DE, et al. **Cytometry** 1982 Mar; 2(5):327–36
Cytophotometric analysis of lytically and persistently infected tissue culture cells with measles virus. Harms H, et al. **Cytometry** 1981 Mar;1(5):351–7
Automated selection of metaphase cells by quality. van den Berg HT, et al. **Cytometry** 1981 May;1(6):363–72
Fluorescent probes: a new way to study lymphocyte activation. Nairn RC, et al. **Endeavour** 1981;5(4):167–71
Cell growth factor activity. New quantitative method in cell culture assay. Chen CH, et al. **Exp Cell Res** 1981 Nov; 136(1):43–51
Photoengraving of coverslips and slides to facilitate monitoring of micromanipulated cells or chromosome spreads. Lin PF, et al. **Exp Cell Res** 1981 Aug;134(2):485–8
Ideal and non-ideal concentration gradient propagation in chemotaxis studies. Vicker MG. **Exp Cell Res** 1981 Nov; 136(1):91–100
Proliferation of cultured glial cells from embryonic chick sympathetic ganglia. Inhibition by horse serum. Wakade AR, et al. **Exp Cell Res** 1982 Jul;140(1):79–84
Substrate requirement and media supplements necessary for the long-term survival of chick sympathetic and sensory neurons cultured without serum. Wakade AR, et al. **Exp Cell Res** 1982 Jul;140(1):71–8
Quick-freezing technique using a 'slamming' device for the study of corneal stromal morphology. Hirsch M, et al. **Exp Eye Res** 1982 May;34(5):841–5
Growth of MRC-5 diploid cells on three types of microcarriers. Morandi M, et al. **Experientia** 1982 Jun 15; 38(6):668–70
Improvement of the 'Humster Test' by the addition of fluorescein diacetate to identify living eggs [letter] Taylor

PJ. **Fertil Steril** 1982 Jul;38(1):122
Migration of leukocytes under agarose in the presence of some polymers. Sykora J, et al. **Folia Microbiol (Praha)** 1982;27(3):214–6
Techniques for manipulating chromosomal rearrangements and their application to Drosophila melanogaster. I. Pericentric inversions. Craymer L. **Genetics** 1981 Sep; 99(1):75–97
A simple method to demonstrate the fragile X chromosome in fibroblasts [letter] Fonatsch C. **Hum Genet** 1981;59(2):186
A quantitative determination for stain uptake in hematology. Halaby SA, et al. **IEEE Trans Biomed Eng** 1981 Jun; 28(6):438–47
The use of LEYTAS in analytical and quantitative cytology. van Driel-Kulker AM, et al. **IEEE Trans Biomed Eng** 1982 Feb;29(2):92–100
A micro-culture system for cloning human T lymphocytes in agar. Konwalinka G, et al. **Immunobiology** 1981; 160(2):145–58
The contribution of cell death to medium-released fractions of cell cultures. Doetschman TC, et al. **In Vitro** 1981 Feb; 17(2):178–84
Microinjection of fluorescently labeled proteins into living cells with emphasis on cytoskeletal proteins. Kreis TE, et al. **Int Rev Cytol** 1982;75:209–14 (107 ref.)
Mass cultivation of bovine ocular pigment epithelial cells in microcarrier suspension culture. D'Amico DJ, et al. **Invest Ophthalmol Vis Sci** 1982 Sep;23(3):332–9
A generalized method for the minimization of cellular osmotic stresses and strains during the introduction and removal of permeable cryoprotectants. Levin RL. **J Biomech Eng** 1982 May;104(2):81–6
A celloidin bag for the histological preparation of cytologic material. Bussolati G. **J Clin Pathol** 1982 May;35(5):574–6
Cell structure and percent viability by a slide centrifuge technique. Fitzgerald MG, et al. **J Clin Pathol** 1982 Feb; 35(2):191–4
The effect of tannic acid on the preservation of tissue culture cells for scanning electron microscopy. Katsumoto T, et al. **J Electron Microsc (Tokyo)** 1981;30(3):177–82
Filtration deformability of rabbit pulmonary macrophage. Smith CM 2d, et al. **J Lab Clin Med** 1982 Apr;99(4):568–79
Specimen preparation for electron microscopy using low temperature embedding resins. Armbruster BL, et al. **J Microsc** 1982 Apr;126(Pt 1):77–85
Quantitative low temperature optical microscopy of biological systems. Diller KR. **J Microsc** 1982 Apr;126(Pt 1):9–28 (90 ref.)
Monolayer freeze-fracture autoradiography: origins and directions. Fisher KA. **J Microsc** 1982 Apr;126(Pt 1):1–8
Agarose gels stabilize isolated molluscan neurons for long-term recording. Mooney R, et al. **J Neurosci Methods** 1982 Mar;5(3):249–51
Phenotypic diversification of a cultured tumor line as a function of substratum. Dugan CB, et al. **J Supramol Struct Cell Biochem** 1981;15(4):317–26
Simple method for measuring growth inhibition by interferon of cells in monolayer. Schellekens H, et al. **J Virol Methods** 1980;1(4):197–200
High cloning efficiency of human lymphoid cells in agarose without feeder layers. Ayres KN. **JNCI** 1982 Jun; 68(6):919–23
Equivalency of endothelial cell growth supplement to irradiated feeder cells in carcinogen-induced morphologic transformation of Syrian hamster embryo cells. Evans CH, et al. **JNCI** 1982 Jan;68(1):127–31
A quest for the mechanism of 'spontaneous' malignant transformation in culture with associated advances in culture technology. Sanford KK, et al. **JNCI** 1982 Jun; 68(6):895–913
Epithelial focus assay for early detection of carcinogen-altered cells in various organs of rats exposed in situ to N-nitrosoheptamethyleneimine. Terzaghi M, et al. **JNCI** 1981 Nov;67(5):1057–62
Fragile X chromosome: consistent demonstration of fragile site in fibroblast cultures [letter] Gardner AP, et al. **Lancet** 1982 Jan 9;1(8263):101
Physical and kinetic properties of haemopoietic progenitor cell populations from mouse marrow detected in five different assay systems. Baines P, et al. **Leuk Res** 1982; 6(1):81–8
Embedding bacteria and tissue culture cells for electron microscopy. Narang HK. **Med Lab Sci** 1982 Jan;39(1):87–9
Collagen as a substrate for cell growth and differentiation. Strom SC, et al. **Methods Enzymol** 1982;82 Pt A:544–55
Lysis of cell nuclei on perforated electron microscopic supports. Erenpreisa J. **Microsc Acta** 1982 Mar;85(4):369–80
A method for preparing chromosomes from peripheral blood of the mouse. Barren PR, et al. **Mutat Res** 1982 Apr; 104(1-3):159–63
5-Bromodeoxyuridine tablets with improved depot effect for analysis in vivo of sister-chromatid exchanges in bone-marrow and spermatogonial cells. King MT, et al. **Mutat Res** 1982 Apr;97(2):117–29
Mammalian in vivo and in vitro cytogenetic assays: a report of the U.S. EPA's gene-tox program. Preston RJ, et al. **Mutat Res** 1981 Sep;87(2):143–88 (162 ref.)
Influence of wet fixation, staining techniques, and storage time on bull sperm morphology. Sekoni VO, et al. **Nord Vet Med** 1981 Apr-May;33(4-5):161–6
Three-dimensional microanatomy of intracellular structures. Tanaka K, et al. **Prog Clin Biol Res** 1981;59B:1–9
A rapid-mixing system for radiobiological studies using mammalian cells. Whillans DW. **Radiat Res** 1982 Apr; 90(1):109–25
High resolution SEM of cultured cells: preparatory procedures. Arro E, et al. **Scan Electron Microsc** 1981;(Pt 2):159–68
The application of scanning electron microscopy to the study of the cytoskeleton of cells in culture. Bell PB Jr. **Scan Electron Microsc** 1981;(Pt 2):139–57 (51 ref.)
Mounting of biological microsamples on protein coats for TaOTO non-coated scanning electron microscopy. Ohtsuka A, et al. **Scan Electron Microsc** 1981;(Pt 2):83–6, 82
Observations on electron probe x-ray microanalysis compared to other methods for measuring intracellular elemental concentration. Smith NK, et al. **Scan Electron Microsc** 1981;(Pt 2):395–408 (55 ref.)
Anomalous patterns in cultured cell monolayers. Adler EM, et al. **Science** 1982 Aug 27;217(4562):851–3
A staining procedure for identifying viable cell hybrids constructed by somatic cell fusion, cybridization, or nuclear transplantation. Hightower MJ, et al. **Somatic Cell Genet** 1981 May;7(3):321–9
A method for isolating, transferring and orienting single cells which have been critical point dried. O'Leary RD, et al. **Stain Technol** 1982 Jan;57(1):15–8
In vitro evaluation of porcine lymphocyte response to phytohaemagglutinin using a modified 'whole blood' technique. Jensen PT, et al. **Vet Immunol Immunopathol** 1981 Apr;2(2):121–32
[Laser scanning technology in image analysis of cells] Achatz M, et al. **Acta Histochem [Suppl] (Jena)** 1980;21:147–54 **(Ger)**
[Studies on the usefulness of the Schalm test and the Cytur test for semi-quantitative cell counts in urine, cerebrospinal fluid, synovial and peritoneal fluid in cattle] Doll K, et al. **Berl Munch Tierarztl Wochenschr** 1981 Aug 1; 94(15):292–5 (Eng. Abstr.) **(Ger)**
[Investigations on the conditions of scanning on cell images by means of a microscope-TV-system (author's transl)] Harms H, et al. **Microsc Acta** 1981 Sep;85(1):69–82 (Eng. Abstr.) **(Ger)**
[Measuring of urine cells by a high resolution microscope cytophotometric system (author's transl)] Aeikens B, et al. **Urologe [Ausg A]** 1982 Mar;21(2):98–101 (Eng. Abstr.) **(Ger)**
[Cytologic diagnosis of cancer of the urinary bladder, reliability, pitfalls and grading (author's transl)] Droese M, et al. **Urologe [Ausg A]** 1982 Mar;21(2):73–8 (Eng. Abstr.) **(Ger)**
[Urinary cytology in office urology (author's transl)] Rathert P, et al. **Urologe [Ausg A]** 1982 Mar;21(2):67–72 (Eng. Abstr.) **(Ger)**
[Automatic cytodiagnostic of bladder cancer (author's transl)] Zimmermann A. **Urologe [Ausg A]** 1982 Mar; 21(2):92–7 (Eng. Abstr.) **(Ger)**
[Production of human embryonal diploid fibroblast cell cultures using an explant technic] Oberender H, et al. **Z Med Lab Diagn** 1981;22(3):175 **(Ger)**
[Cell cultures from vertebrate tissues] Ferrari M, et al. **Ann Sclavo** 1981 Jul-Aug;23(4):371–401 (79 ref.) (Eng. Abstr.) **(Ita)**
[Automation in diagnostic cytology (author's transl)] Giacomini G, et al. **Pathologica** 1981 Jan-Feb;73(1023):3–10 (Eng. Abstr.) **(Ita)**
[A new method to stabilize erythrocytes for hemagglutination and hemagglutination inhibition test (author's transl)] Motoda S, et al. **Uirusu** 1981 Dec;31(2):165–6 **(Jpn)**
[Comparison of morphometric results based on cumulant correlations] Stefanov SB. **Arkh Anat Gistol Embriol** 1982 Mar;82(3):91–4 **(Rus)**
[Measurement of the thickness and surface area of cell fragments and histological structures isolated from lyophilized tissue sections] Krasnov IB. **Tsitologiia** 1982 Apr;24(4):497–503 (Eng. Abstr.) **(Rus)**

ECONOMICS

Clinical and laboratory efficiency of rapid screening urine cultures by nephelometry. Heinz T, et al. **Am J Clin Pathol** 1982 Mar;77(3):305–11

INSTRUMENTATION

The Chamber/Dish: an improved vessel for cell and explant culture. Gabridge MG. **In Vitro** 1981 Feb;17(2):91–7
A flexible microprocessor system for the measurement of cell size. Round JM, et al. **J Clin Pathol** 1982 Jun; 35(6):620–4
A convenient culture chamber for observation and embedding of macrophage monolayers for transmission electron microscopy. Hackett CJ, et al. **J Microsc** 1982 May;126(Pt 2):207–10
Cell puncturing with a step motor driven manipulator with simultaneous measurement of displacement. Sonnhof U, et al. **Pflugers Arch** 1982 Jan;392(3):295–300
Cellstat-a continuous culture system of a bacteriophage for the study of the mutation rate and the selection process of the DNA level. Husimi Y, et al. **Rev Sci Instrum** 1982 Apr;53(4):517–22
[Use of the MUF-8 and MUF-5 microspectrophotometers for 2-wave cytophotometry] Voronova MN, et al. **Tsitologiia** 1982 Jan;24(1):117–9 **(Rus)**

STANDARDS

Artifactual alterations in phagocytes in the blood smear. Shafer JA. **Am J Med Technol** 1982 Jun;48(6):507–18

TRENDS

Stereological methods in cell biology: where are we--where are we going? Weibel ER. **J Histochem Cytochem** 1981 Sep;29(9):1043–52

VETERINARY

Reversible detachment of blood-derived bovine macrophages by replacement of culture medium with phosphate-buffered saline solution. Bendixen PH. **Am J Vet Res** 1981 Apr;42(4):687–8
Preparation of resealed carrier erythrocytes and in vivo survival in dogs. DeLoach JR, et al. **Am J Vet Res** 1981 Apr;42(4):667–9
Gradual fixation method for chromosomal studies of squirrel monkey oocytes after gonadotropin treatment. Mizoguchi H, et al. **J Med Primatol** 1981;10(2-3):180–6

CYTOLOGY

see related
CELL NUCLEUS
CYTOPLASM

British Society for Cell Biology. Main meeting 1981. Abstracts. **Cell Biol Int Rep** 1981 Sep;5 Suppl A:1–58
Eleventh International Congress of Anatomy, Part B. Advances in the morphology of cells and tissues. August 17–23, 1980, Mexico City, Mexico. **Prog Clin Biol Res** 1981; 59B:1–396

HISTORY

The discovery of lysosomes. Bainton DF. **J Cell Biol** 1981 Dec;91(3 Pt 2):66s–76s
A short history of tissue fractionation. De Duve C, et al. **J Cell Biol** 1981 Dec;91(3 Pt 2):293s–299s
Angelo Bairati. Baccetti B, et al. **J Submicrosc Cytol** 1981 Apr;13(2):preceding 117
Ultrastructure of the protoplasm. The 'pioneer' work by A. Bairati and F. E. Lehmann revisited. Bairati A Jr. **J Submicrosc Cytol** 1981 Apr;13(2):117–25

INSTRUMENTATION

Hazard warning: automatic tissue processors. Hinberg I, et al. **Dimens Health Serv** 1982 Apr;59(4):17

TRENDS

The future is coming--only you can decide where it is going. The George N. Papanicolaou Lecture. Ng AB. **Acta Cytol (Baltimore)** 1981 Nov-Dec;25(6):593–8

CYTOLYSINS see **CYTOTOXINS**

CYTOMEGALIC INCLUSION DISEASE

Inclusion-body myositis: clinicopathological studies and isolation of an adenovirus type 2 from muscle biopsy specimen. Mikol J, et al. **Ann Neurol** 1982 Jun;11(6):576–81
Cytomegalovirus retinitis and immunodeficiency in homosexual males [letter] Friedman AH, et al. **Lancet** 1982 Apr 24;1(8278):958
Cytomegalovirus and the otolaryngologist. Strauss M. **Laryngoscope** 1981 Dec;91(12):1995–2006
Infant pneumonitis associated with cytomegalovirus, Chlamydia, Pneumocystis, and Ureaplasma: a prospective study. Stagno S, et al. **Pediatrics** 1981 Sep;68(3):322–9
[Cytomegalic retinitis in immunosuppressed patients] Steinke B, et al. **Med Welt** 1981 Oct 30;32(44):1658–61 **(Ger)**
[Human cytomegalovirus] Landini MP. **Recenti Prog Med** 1981 Jul;71(1):76–115 (261 ref.) (Eng. Abstr.) **(Ita)**

BLOOD

Neutrophil response and function during acute cytomegalovirus infection in guinea pigs. Yourtee EL, et al. **Infect Immun** 1982 Apr;36(1):11–6
Bone marrow transplantation using fractioned total body irradiation: Absence of pulmonary toxicity despite cytomegalovirus viraemia. Lowenthal RM, et al. **Med J Aust** 1981 Oct 31;2(9):492–3
Alpha 1-antitrypsin phenotype: transient cathodal shift in serum of infant girl with urinary cytomegalovirus and fatty liver. Hug G, et al. **Pediatr Res** 1982 Mar;16(3):192–8

COMPLICATIONS

Atypical Pneumocystis carinii pneumonia in homosexual men with unusual immunodeficiency. Vanley GT, et al. **AJR** 1982 Jun;138(6):1037–41
Ocular disorders associated with a new severe acquired cellular immunodeficiency syndrome. Holland GN, et al. **Am J Ophthalmol** 1982 Apr;93(4):393–402
In vitro models of viral-induced congenital deafness. Davis GL. **Am J Otol** 1981 Oct;3(2):156–60
Congenital cytomegalovirus infection. Tan KL, et al. **Ann Acad Med Singapore** 1982 Jan;11(1):110–4
Estimation of cytomegalovirus--imposed risks on the outcome of renal transplantation. Diosi P, et al. **Arch Roum Pathol Exp Microbiol** 1982 Jan-Mar;

41(1):35–41
Obliterative cholangitis due to cytomegalovirus: a possible precursor of paucity of intrahepatic bile ducts. Finegold MJ, et al. **Hum Pathol** 1982 Jul;13(7):662–5
Discovery of cytomegalovirus in pericarditis fluid from a patient with neoplasm [letter] Etienne J, et al. **Infection** 1982;10(2):102
Pregnancy following cytomegalovirus mononucleosis. Herman J, et al. **Isr J Med Sci** 1982 Apr;18(4):491–3
Enhanced susceptibility of mice infected with murine cytomegalovirus to intranasal challenge with Escherichia coli: pathogenesis and altered inflammatory response. Bale JF Jr, et al. **J Infect Dis** 1982 Apr;145(4):525–31
Disseminated infection due to Mycobacterium avium-intracellulare in a homosexual man with Kaposi's sarcoma. Fainstein V, et al. **J Infect Dis** 1982 Apr; 145(4):586
Nonfebrile seizures after febrile convulsions: possible role of chronic cytomegalovirus infection. Iannetti P, et al. **J Pediatr** 1982 Jul;101(1):27–31
Lipoprotein abnormalities associated with a viral syndrome. Friedland ML, et al. **JAMA** 1982 Jul 2;248(1):82
Cytomegalovirus and Kaposi's sarcoma in young homosexual men. Drew WL, et al. **Lancet** 1982 Jul 17;2(8290):125–7
Cytomegalovirus encephalitis in children. Căluşer IT, et al. **Morphol Embryol (Bucur)** 1982 Jan–Mar;28(1):21–3
Ocular findings of acute cytomegalovirus infection in an immunologically competent adult. England AC 3d, et al. **N Engl J Med** 1982 Jul 8;307(2):94–5
Defects of tooth structure in congenital cytomegalovirus infection. Stagno S, et al. **Pediatrics** 1982 May;69(5):646–8
Kaposi's sarcoma in a renal allograft recipient with cytomegalovirus infection. A case report. le Roux FB, et al. **S Afr Med J** 1982 Aug 14;62(8):252–3
Cytomegalovirus antibody in cerebrospinal fluid of schizophrenic patients detected by enzyme immunoassay. Torrey EF, et al. **Science** 1982 May 21;216(4548):892–4
[Pseudomembranous colitis. Possible relation with cytomegalovirus infection and influenza B (letter)] Comte F, et al. **Nouv Presse Med** 1981 Nov 14;10(41):3411 **(Fre)**
[Thrombocytopenia–absent radius syndrome (author's transl)] Aledo AG, et al. **An Esp Pediatr** 1982 Jan;16(1):82–7 (Eng. Abstr.) **(Spa)**
[Thanatophoric dwarfism. Apropos of 2 cases, one of them with cytomegalic inclusion disease and hepatic hamartoma] Palomero Domínguez MA, et al. **An Esp Pediatr** 1981 Apr; 14(4):279–82 **(Spa)**
[Hepatitis caused by cytomegalovirus] Panizo Delgado A, et al. **Rev Med Univ Navarra** 1981 Mar;25(1):33–9 (Eng. Abstr.) **(Spa)**

CONGENITAL

Congenital thrombocytopenia, hepatosplenomegaly, and growth retardation. A clinicopathologic conference. Hoekelman RA, et al. **Am J Dis Child** 1982 Mar; 136(3):258–64
Screening small for gestational age babies for congenital infection. Primhak RA, et al. **Clin Pediatr (Phila)** 1982 Jul; 21(7):417–20 (26 ref.)
Congenital cytomegalovirus effects on postnatal neurological development of squirrel monkey (Saimiri sciureus) offspring. Ordy JM, et al. **Exp Neurol** 1981 Dec; 74(3):728–47
Congenital cytomegalovirus infection [letter] **N Engl J Med** 1982 Oct 14;307(16):1022–4
Myocardial aneurysm in association with disseminated cytomegalovirus infection. Sánchez GR, et al. **Pediatr Cardiol** 1982;2(1):63–5
Brain and visceral involvement during congenital cytomegalovirus infection of guinea pigs. Griffith BP, et al. **Pediatr Res** 1982 Jun;16(6):455–9
Horner's syndrome due to congenital cytomegalovirus infection. Bayatpour M, et al. **South Med J** 1982 Feb; 75(2):220–1

DIAGNOSIS

Diagnosis of severe fetal cytomegalovirus infection from amniotic fluid in the third trimester of pregnancy. Huikeshoven FJ, et al. **Am J Obstet Gynecol** 1982 Apr 15;142(8):1053–4
The respective advantages of complement fixation and ELISA for routine diagnosis of cytomegalovirus infection. Pozzetto B, et al. **Biomedicine** 1981 Nov;35(6):187–90
The cytomegalovirus: when and how to look for it. Neumann HH. **Conn Med** 1982 Jun;46(6):324–5
Neurological and electroencephalographic abnormalities after febrile seizures. Possible association with cytomegalovirus. Iannetti P, et al. **Ital J Neurol Sci** 1981 May;2(2):153–7
Enzyme immunoassays for measurement of cytomegalovirus immunoglobulin M antibody. Yolken RH, et al. **J Clin Microbiol** 1981 Oct;14(4):427–32
Infection with cytomegalovirus during pregnancy: specific IgM antibodies as a marker of recent primary infection. Griffiths PD, et al. **J Infect Dis** 1982 May;145(5):647–53
Improved cadaver allograft survival in transfused recipients who remain serologically negative for cytomegalovirus. Flechner SM, et al. **J Urol** 1982 Apr;127(4):644–7
Cytomegalovirus infection simulating lymphoma in a homosexual man [letter] Spiers AS, et al. **Lancet** 1982 May 29;1(8283):1248–9
Cytomegalovirus infections: current diagnostic methods. Smith TF. **Mayo Clin Proc** 1981 Dec;56(12):767
Cytomegalovirus glomerulopathy in renal allografts [letter] Yanagawa N. **N Engl J Med** 1981 Dec 10;305(24):1472
[Human cytomegalovirus and disease (author's transl)] Wang HM. **Chung Hua I Hsueh Tsa Chih** 1982 Apr;62(4):247–50 **(Chi)**
[Cytomegalovirus infection in healthy adults. Clinical, anatomo-pathological, hepatic and virological study of 6 cases] Bentata-Pessayre M, et al. **Rev Med Interne** 1981 Oct;2(3):265–71 (Eng. Abstr.) **(Fre)**
[Manifestation of an acquired cytomegalovirus infection as encephalitis in childhood (letter)] Müller R, et al. **Dtsch Med Wochenschr** 1981 Oct 2;106(40):1315–6 **(Ger)**
[Cytomegalovirus in subacute infant pneumonitis (author's transl)] Zach M, et al. **Padiatr Padol** 1981;16(4):459–63 (Eng. Abstr.) **(Ger)**
[The latex-IgM-test in virus diagnostic: determination of cytomegalovirus antibodies (author's transl)] Schmidt WA, et al. **Zentral Bakteriol Mikrobiol Hyg [A]** 1981; 250(1–2):25–33 (Eng. Abstr.) **(Ger)**

DRUG THERAPY

Acyclovir in immunocompromised patients with cytomegalovirus disease. A controlled trial at one institution. Balfour HH Jr, et al. **Am J Med** 1982 Jul 20; 73(1A):241–8
Acyclovir in mouse cytomegalovirus infections. Burns WH, et al. **Am J Med** 1982 Jul 20;73(1A):118–24
Effect of acyclovir treatment on acute and chronic murine cytomegalovirus infection. Glasgow LA, et al. **Am J Med** 1982 Jul 20;73(1A):132–7
In vitro and in vivo responses of cytomegalovirus to acyclovir. Plotkin SA, et al. **Am J Med** 1982 Jul 20; 73(1A):257–61
Treatment of cytomegalovirus pneumonia with high-dose acyclovir. Wade JC, et al. **Am J Med** 1982 Jul 20; 73(1A):249–56
Use of acyclovir in premature and term neonates. Yeager AS. **Am J Med** 1982 Jul 20;73(1A):205–9
Acyclovir in treatment of cytomegalovirus pneumonia after cardiac transplantation [letter] Ashraf MH, et al. **Lancet** 1982 Jan 16;1(8264):173–4

ETIOLOGY

Murine cytomegalovirus pneumonia. Description of a model and investigation of pathogenesis. Rose RM, et al. **Am Rev Respir Dis** 1982 May;125(5):568–73
The effect of granulocyte transfusions on the incidence of cytomegalovirus infection after allogeneic marrow transplantation. Hersman J, et al. **Ann Intern Med** 1982 Feb;96(2):149–42
On the presence of cytomegalovirus in the milk of normal women; correlation between breast feeding and virus excretion in infants. Panà A, et al. **Boll Ist Sieroter Milan** 1981 May;60(2):85–8
Gastric cytomegalovirus infection in bone marrow transplant patients: an indication of generalized disease. Strayer DS, et al. **Cancer** 1981 Sep 15;48(6):1478–83
Cytomegalovirus inclusions in the gastroduodenal mucosa of patients after renal transplantation. Franzin G, et al. **Gut** 1981 Sep;22(9):698–701
Post-transplantation pancreatitis associated with cytomegalovirus (report of a case). Parham DM. **Hum Pathol** 1981 Jul;12(7):663–5
Complement components in kidney allograft recipients: relationship to cytomegalovirus infection. Chatterjee S, et al. **J Med Virol** 1982;9(3):237–44
From the NIH: Breast milk and the risk of cytomegalovirus infection. **JAMA** 1981 Dec 11;246(23):2687
Transfusion-related cytomegalovirus infection following noncardiac surgery. Drew WL, et al. **JAMA** 1982 May 7;247(17):2389–91
Severe cytomegalovirus infection in multiply transfused, splenectomized, trauma patients. Baumgartner JD, et al. **Lancet** 1982 Jul 10;2(8289):63–6
Posttransfusion cytomegalovirus infections. Sandler SG, et al. **Pediatrics** 1982 May;69(5):650–3
Cytomegalovirus infection in transplant patients. Betts RF. **Prog Med Virol** 1982;28:44–64 (77 ref.)
Cytomegalovirus infections following renal transplantation. Glenn J. **Rev Infect Dis** 1981 Nov–Dec;3(6):1151–78 (185 ref.)
Studies of cytomegalovirus infection in renal allograft recipients. Gadler H, et al. **Scand J Infect Dis** 1982; 14(2):81–7
Cytomegalovirus cecal erosion causing massive hemorrhage in a bone marrow transplant recipient. West JC, et al. **World J Surg** 1982 Mar;6(2):251–5
[Cytomegalovirus infection. An obstetrical observation (author's transl)] Claquin J, et al. **Anesth Analg (Paris)** 1981; 38(9–10):555–7 (Eng. Abstr.) **(Fre)**
[Febrile mononucleosis after cardiac surgery. A clinical study of 15 cases of cytomegalovirus infection] Roux M, et al. **Arch Mal Coeur** 1981 Aug;74(8):961–7 (Eng. Abstr.) **(Fre)**
[Acute cytomegalovirus pancreatitis with a favorable outcome in a renal transplant patient (letter)] Mourad G, et al. **Nouv Presse Med** 1982 May 1;11(20):1571 **(Fre)**
[Cytomegalovirus infections following kidney transplantation – clinical and serological studies of the early and late phases] Koall W, et al. **Z Gesamte Inn Med** 1982 Apr 15; 37(8):236–42 (Eng. Abstr.) **(Ger)**
[Infections in dialysis centers. Problems and technics of control] Catizone L, et al. **Minerva Nefrol** 1981 Oct–Dec; 28(4):477–84 **(Ita)**
[Cytomegaloviruses: their role in human pathology] Rozanova EB. **Vestn Oftalmol** 1982 Jan–Feb;(1):68–71 (42 ref.) **(Rus)**

FAMILIAL & GENETIC

Increased susceptibility to cytomegalovirus infection in beige mutant mice. Shellam GR, et al. **Proc Natl Acad Sci USA** 1981 Aug;78(8):5104–8

IMMUNOLOGY

Pneumocystis carinii and cytomegalovirus pneumonia in a previously healthy adult. Spangenthal S, et al. **Am Rev Respir Dis** 1982 May;125(5):601–3
Prenatal serological diagnosis of intrauterine cytomegalovirus infection. Lange I, et al. **Br Med J [Clin Res]** 1982 Jun 5;284(6330):1673–4
Serum and cell-mediated viral-specific delayed cutaneous basophil reactions during cytomegalovirus infection of guinea pigs. Griffith BP, et al. **Cell Immunol** 1982 May 1;69(1):138–49
Cytomegalovirus infection in infancy: virological and immunological studies. Gehrz RC, et al. **Clin Exp Immunol** 1982 Jan;47(1):27–33
Detection of virus-specific IgA antibodies in serum of kidney transplant patients with recurrent cytomegalovirus infection by enzymeimmuno and radioimmunoassay techniques. Sarov I, et al. **Clin Exp Immunol** 1982 May; 48(2):321–8
Effect of murine cytomegalovirus infection on mitogen responses in genetically resistant and susceptible mice. Allan JE, et al. **Infect Immun** 1982 Apr;36(1):235–42
Delayed hypersensitivity to murine cytomegalovirus and its depression during pregnancy. Chong KT, et al. **Infect Immun** 1982 Jul;37(1):54–9
Cell-mediated immunity in human cytomegalovirus infection. Fiorilli M, et al. **Infect Immun** 1982 Mar;35(3):1162–4
Evidence for a protective role of interferon in resistance to murine cytomegalovirus and its control by non-H-2-linked genes. Grundy JE, et al. **Infect Immun** 1982 Jul; 37(1):143–50
Production of alpha and gamma interferons by spleen cells from cytomegalovirus-infected mice. Kelsey DK, et al. **Infect Immun** 1982 May;36(2):651–6
Murine cytomegalovirus-induced immunosuppression. Loh L, et al. **Infect Immun** 1982 Apr;36(1):89–95
Murine cytomegalovirus stimulates natural killer cell function but kills genetically resistant mice treated with radioactive strontium. Masuda A, et al. **Infect Immun** 1981 Dec; 34(3):970–9
Specific lymphocyte blastogenic responses in children with cytomegalovirus and herpes simplex virus infections acquired early in infancy. Pass RF, et al. **Infect Immun** 1981 Oct;34(1):166–70
Electrophoretic analysis of polypeptides immune precipitated from cytomegalovirus-infected cell extracts by human sera. Pereira L, et al. **Infect Immun** 1982 Jun;36(3):933–42
Cytomegalovirus infection of the uterine cervix: local cervical infection and antibody response. Chiang WT, et al. **Int J Gynaecol Obstet** 1981 Jun;19(3):177–80
Detection of specific IgA antibodies in serum of kidney transplant patients with recurrent cytomegalovirus infection. Sarov I, et al. **Intervirology** 1981;15(4):228–34
Cytomegalovirus causes a latent infection in undifferentiated cells and is activated by induction of cell differentiation. Dutko FJ, et al. **J Exp Med** 1981 Nov 1;154(5):1636–51
Adherent spleen cells from mice acutely infected with cytomegalovirus suppress the primary antibody response in vitro. Bixler GS Jr, et al. **J Immunol** 1981 Oct; 127(4):1294–9
Effects of vaccination on cytomegalovirus-associated interstitial pneumonia in strain 2 guinea pigs. Bia FJ, et al. **J Infect Dis** 1982 May;145(5):742–7
Virus-specific IgG and IgM antibodies in normal and immunocompromised subjects infected with cytomegalovirus. Rasmussen L, et al. **J Infect Dis** 1982 Feb;145(2):191–9
Kaposi's sarcoma: absence of cytomegalovirus antigens. Civantos F, et al. **J Invest Dermatol** 1982 Aug;79(2):79–80
Primary Pneumocystis carinii and cytomegalovirus infections [letter] du Bois RM, et al. **Lancet** 1981 Dec 12;2(8259):1339
Cmv immunity: imperfect but protective [editorial] Medearis DN Jr. **N Engl J Med** 1982 Apr 22;306(16):985–6
Cytotoxic t cells in cytomegalovirus infection: HLA-restricted T-lymphocyte and non-T-lymphocyte cytotoxic responses correlate with recovery from cytomegalovirus infection in bone-marrow-transplant recipients. Quinnan GV Jr, et al. **N Engl J Med** 1982 Jul 1;307(1):7–13
Congenital cytomegalovirus infection: The relative importance of primary and recurrent maternal infection. Stagno S, et al. **N Engl J Med** 1982 Apr 22;306(16):945–9
Congenital cytomegalovirus infection: diagnostic and prognostic significance of the detection of specific immunoglobulin M antibodies in cord serum. Griffiths PD, et al. **Pediatrics** 1982 May;69(5):544–9

Studies of cytomegalovirus infection in renal allograft recipients. II. Serological response to various viral antigens. Gadler H, et al. **Scand J Infect Dis** 1982;14(2):89–94

[Reactivation of Epstein–Barr virus during primary cytomegalovirus infection in the healthy adult (letter)] Charmot G, et al. **Nouv Presse Med** 1982 Jan 30;11(4):280–1 **(Fre)**

[IgM antibodies against cytomegalovirus in pregnancy and incidence of intrauterine infections in pregnant women with positive IgM antibody reaction (author's transl)] Gärtner L, et al. **Z Geburtshife Perinatol** 1981 Oct;185(5):273–5 (Eng. Abstr.) **(Ger)**

METABOLISM

Actin distribution and synthesis in human fibroblasts infected by cytomegalovirus. Lösse D, et al. **Arch Virol** 1982; 71(4):353–9

MICROBIOLOGY

A cytophotometric measurement of DNA in murine hepatocytic nuclei during cytomegalovirus infection. Papadimitriou JM, et al. **Histochemistry** 1981;72(4):481–7

The role of lymphocytes in infections due to Epstein–Barr virus and cytomegalovirus [letter] Fiala M, et al. **J Infect Dis** 1982 Aug;146(2):300–1

Activation of latent murine cytomegalovirus in vivo and in vitro: a pathogenetic role for acute infection. Jordan MC, et al. **J Infect Dis** 1982 May;145(5):699–705

Excretion of cytomegalovirus in mothers: observations after delivery of congenitally infected and normal infants. Pass RF, et al. **J Infect Dis** 1982 Jul;146(1):1–6

The pathogenesis of pneumonitis due to murine cytomegalovirus. Shanley JD, et al. **J Infect Dis** 1982 Sep; 146(3):388–96

[On the viral etiology of Bell's palsy (An enzyme-linked immunosorbent assay study) (author's transl)] Mees K, et al. **Laryngol Rhinol Otol (Stuttg)** 1981 Dec;60(12):609–11 (Eng. Abstr.) **(Ger)**

[Eye lesions in cytomegalovirus infection] Maĭchuk IuF. **Oftalmol Zh** 1981;36(3):179–84 (120 ref.) **(Rus)**

[Role of the cytomegalovirus in the pathology of pregnancy, of the fetus and of newborn infants] Demidova SA, et al. **Sov Med** 1981;(4):120–2 **(Rus)**

[Cytomegalovirus infection in 32 children (author's transl)] Moraga Llop FA, et al. **An Esp Pediatr** 1981 Dec; 15(6):535–43 (Eng. Abstr.) **(Spa)**

OCCURRENCE

Risk of cytomegalovirus infection in nurses and congenital infection in their offspring. Ahlfors K, et al. **Acta Paediatr Scand** 1981 Nov;70(6):819–23

Outbreak of Kaposi's sarcoma with cytomegalovirus infection in young homosexual men. Urmacher C, et al. **Am J Med** 1982 Apr;72(4):569–75

A collaborative study of cytomegalovirus antibodies in mothers and young children in 19 countries. Krech U, et al. **Bull WHO** 1981;59(4):605–10

A serological study of cytomegalovirus and herpes simplex virus infections in Peninsular Malaysia. Tan DS, et al. **Bull WHO** 1981;59(6):909–12

Immunocompromised homosexuals [editorial] **Lancet** 1981 Dec 12;2(8259):1325–6

PATHOLOGY

Colon ulceration in lethal cytomegalovirus infection. Foucar E, et al. **Am J Clin Pathol** 1981 Dec;76(6):788–801

Rapid cytologic diagnosis of cytomegalovirus interstitial pneumonia on touch imprints from open-lung biopsy. Shulman HM, et al. **Am J Clin Pathol** 1982 Jan;77(1):90–4

Cytomegalovirus infection of the skin. Walker JD, et al. **Am J Dermatopathol** 1982 Jun;4(3):263–5

The effect of the beige mutation on infection with murine cytomegalovirus: histopathologic studies. Papadimitriou JM, et al. **Am J Pathol** 1982 Sep;108(3):299–309

End-stage cytomegalic inclusions retinitis and disseminated intravascular coagulation. Pearce WG, et al. **Can J Ophthalmol** 1981 Apr;16(2):88–93

Giant esophageal ulcer associated with cytomegalovirus. St. Onge G, et al. **Gastroenterology** 1982 Jul;83(1 Pt 1):127–30

Fatal dissemination of cytomegalovirus after bone marrow transplantation. Craft AW, et al. **J Clin Pathol** 1981 Sep; 34(9):1047–51

Central nervous system vasculitis in cytomegalovirus infection. Koeppen AH, et al. **J Neurol Sci** 1981 Sep; 51(3):395–410

Cytomegalovirus inclusion body endocervicitis: significance of CMV inclusions in endocervical biopsies. Deppisch LM. **Mt Sinai J Med (NY)** 1981 Sep–Oct;48(5):418–21

Case records of the Massachusetts General Hospital. Weekly clinicopathological exercises. Case 8-1982. Diffuse pulmonary infiltration in a patient with lymphoma. **N Engl J Med** 1982 Feb 25;306(8):469–76

pneumocystis carinii Pneumonia in a male homosexual. Laurens RG Jr, et al. **South Med J** 1982 May;75(5):638–9

[Generalized cytomegalic inclusion disease (author's transl)] Kiesler J, et al. **Padiatr Padol** 1982;17(1):99–106 **(Ger)**

[Central nervous system lesions in cytomegalic disease] Autelitano F, et al. **Recenti Prog Med** 1981 Oct; 71(4):343–80 (229 ref.) (Eng. Abstr.) **(Ita)**

[Cytomegalovirus inclusion disease with ulcerative changes of gastrointestinal tract (author's transl)] Kurihara T, et al. **Nippon Shokakibyo Gakkai Zasshi** 1981 Aug; 78(8):1658–62 **(Jpn)**

[Electron microscopy in the diagnosis of congenital cytomegaly] Kallista-Milewicz W, et al. **Pediatr Pol** 1982 Jan;57(1):45–8 **(Pol)**

[Morphological and pathogenetic problems of cytomegaly] Samckhin PA. **Arkh Patol** 1982;44(4):38–44 (Eng. Abstr.) **(Rus)**

PHYSIOPATHOLOGY

Effects of antiviral agents on murine cytomegalovirus-induced macrophage dysfunction. Shanley JD, et al. **Infect Immun** 1982 Jun;36(3):918–23

Effect of murine cytomegalovirus on implantation stage mouse embryos. Baskar JF, et al. **Proc Soc Exp Biol Med** 1981 Sep;167(4):581–7

PREVENTION & CONTROL

Vaccination of pediatric nurses with live attenuated cytomegalovirus. Fleisher GR, et al. **Am J Dis Child** 1982 Apr;136(4):294–6

The launching of a cytomegalovirus vaccine. Hanshaw JB. **Am J Dis Child** 1982 Apr;136(4):291–2

Cytomegalovirus immune plasma in bone marrow transplant recipients. Winston DJ, et al. **Ann Intern Med** 1982 Jul; 97(1):11–8

Efficacy of acyclovir against mouse cytomegalovirus in vivo. Wingard JR, et al. **Antimicrob Agents Chemother** 1981 Aug; 20(2):275–8

Cytomegalovirus infection in heart transplant recipients: preliminary results of a controlled trial of intravenous gamma globulin. Preiksaitis JK, et al. **J Clin Immunol** 1982 Apr;2(2 Suppl):36S–41S

RADIONUCLIDE IMAGING

Gallium-67 whole body scintigraphy in cytomegalovirus (CMV) mononucleosis. Abramowitz A, et al. **Pediatr Radiol** 1981;11(4):219–20

THERAPY

Treatment of cytomegalovirus pneumonia after marrow transplant with combined vidarabine and human leukocyte interferon. Meyers JD, et al. **J Infect Dis** 1982 Jul; 146(1):80–4

TRANSMISSION

Cytomegalovirus infection by non-parenteral transmission [letter] **Lancet** 1981 Oct 10;2(8250):814–5

Cytomegalovirus infection in day-care center. Pass RF, et al. **N Engl J Med** 1982 Aug 19;307(8):477–9

Prenatal cytomegalovirus infection: epidemiology, pathology and pathogenesis. Becroft DM. **Perspect Pediatr Pathol** 1981;6:203–41 (193 ref.)

[Clinic and epidemiology of human cytomegalovirus (review) (author's transl)] Chiba S. **Uirusu** 1981 Dec;31(2):111–21 (77 ref.) **(Jpn)**

VETERINARY

Cytomegalovirus infection of the prostate in the dasyurid marsupials, Phascogale tapoatafa and Antechinus stuartii. Barker IK, et al. **J Wildl Dis** 1981 Jul;17(3):433–41

An electron microscopic study of cytomegalic inclusion body disease in the swine. Yoshikawa T, et al. **Kitasato Arch Exp Med** 1980 Jun;53(1–2):43–54

CYTOMEGALOVIRUSES

Cytomegalovirus and the otolaryngologist. Strauss M. **Laryngoscope** 1981 Dec;91(12):1995–2006

[Lymphadenitis caused by Epstein–Barr virus and cytomegalovirus] Cuppini R. **Minerva Med** 1982 Apr 7; 73(15):923–8 **(Ita)**

[Human cytomegalovirus] Landini MP. **Recenti Prog Med** 1981 Jul;71(1):76–115 (261 ref.) (Eng. Abstr.) **(Ita)**

ANALYSIS

Electrophoretic analysis of polypeptides immune precipitated from cytomegalovirus-infected cell extracts by human sera. Pereira L, et al. **Infect Immun** 1982 Jun;36(3):933–42

Analysis of human cytomegalovirus nucleoprotein complexes. St. Jeor S, et al. **J Virol** 1982 Jan;41(1):309–12

CLASSIFICATION

Comparison of the immediate early polypeptides of human cytomegalovirus isolates. Cameron JM, et al. **J Gen Virol** 1981 Jun;54(Pt 2):421–4

DRUG EFFECTS

Effect of acyclovir treatment on acute and chronic murine cytomegalovirus infection. Glasgow LA, et al. **Am J Med** 1982 Jul 20;73(1A):132–7

Effectiveness of acycloguanosine and trifluorothymidine as inhibitors of cytomegalovirus infection in vitro. Lang DJ, et al. **Am J Med** 1982 Jul 20;73(1A):49–53

Effect of 9-(2-hydroxyethoxymethyl)guanine on viral-specific polypeptide synthesis in human cytomegalovirus-infected cells. Mar EC, et al. **Am J Med** 1982 Jul 20;73(1A):82–5

In vitro and in vivo responses of cytomegalovirus to acyclovir. Plotkin SA, et al. **Am J Med** 1982 Jul 20; 73(1A):257–61

Effects of acyclovir combined with other antiviral agents on human cytomegalovirus. Spector SA, et al. **Am J Med** 1982 Jul 20;73(1A):36–9

Activity of trifluorothymidine against cytomegalovirus. Wingard JR, et al. **Antimicrob Agents Chemother** 1981 Sep; 20(3):286–90

Thymidine kinase not required for antiviral activity of acyclovir against mouse cytomegalovirus. Burns WH, et al. **J Virol** 1981 Sep;39(3):889–93

Correlation of the chemical structure of 4-nitroquinolines inactivating human cytomegalovirus and established in vivo carcinogenicity tests. Albrecht T, et al. **Teratogenesis Carcinog Mutagen** 1980;1(2):161–9

ENZYMOLOGY

Pyrophosphate analogues as inhibitors of DNA polymerases of cytomegalovirus, herpes simplex virus and cellular origin. Eriksson B, et al. **Biochim Biophys Acta** 1982 Feb 26;696(2):115–23

Human cytomegalovirus-associated DNA polymerase and protein kinase activities. Mar EC, et al. **J Gen Virol** 1981 Nov;57(Pt 1):149–56

GENETICS

Cloning of the complete human cytomegalovirus genome in cosmids. Fleckenstein B, et al. **Gene** 1982 Apr;18(1):39–46

Cloning of the human cytomegalovirus genome as endonuclease XbaI fragments. Thomsen DR, et al. **Gene** 1981 Dec;16(1–3):207–16

Cytomegalovirus: an ultrastructural study of the morphogenesis of nuclear inclusions in human cell culture. Cavallo T, et al. **J Gen Virol** 1981 Sep;56(Pt 1):97–104

Transcription of the human cytomegalovirus genome in productively infected cells. Chua CC, et al. **J Gen Virol** 1981 Sep;56(Pt 1):1–11

Use of recombinant plasmids to investigate the structure of the human cytomegalovirus genome. Oram JD, et al. **J Gen Virol** 1982 Mar;59(Pt 1):111–29

Transformation of NIH 3T3 cells with cloned fragments of human cytomegalovirus strain AD169. Nelson JA, et al. **J Virol** 1982 Jul;43(1):83–91

Cleavage maps for human cytomegalovirus DNA strain AD169 for restriction endonucleases EcoRI, BglII, and HindIII. Spector DH, et al. **J Virol** 1982 May;42(2):558–82

Construction of a cloned library of the EcoRI fragments from the human cytomegalovirus genome (strain AD169). Tamashiro JC, et al. **J Virol** 1982 May;42(2):547–57

Temporal patterns of human cytomegalovirus transcription: mapping the viral RNAs synthesized at immediate early, early, and late times after infection. Wathen MW, et al. **J Virol** 1982 Feb;41(2):462–77

Human cytomegalovirus DNA: restriction enzyme cleavage maps and map locations for immediate-early, early, and late RNAs. Demarchi JM. **Virology** 1981 Oct 15; 114(1):23–38

GROWTH & DEVELOPMENT

Productive and abortive replication of human cytomegalovirus at different environmental pH values. Zerbini M, et al. **Arch Virol** 1982;72(1–2):127–31

Increased ability of human embryonic fibroblasts to accumulate Ca2+ due to cytomegalovirus infection. Garnett HM. **Cytobios** 1981;31(122):107–16

Natural cytotoxicity of murine cytomegalovirus-infected cells mediated by mouse lymphoid cells: role of interferon in the endogenous natural cytotoxicity reaction. Lee GD, et al. **Infect Immun** 1982 Jan;35(1):5–12

Characterization of human cells persistently infected with cytomegalovirus and exposed to a chemical carcinogen. Li JL, et al. **Int J Cancer** 1982 Jan 15;29(1):49–55

Activation of an endogenous mouse type C virus by UV-irradiated murine cytomegalovirus. Sergiescu D. **Int J Cancer** 1982 Apr 15;29(4):459–64

Cytomegalovirus replication in primary and passaged human placental cells. Rosenthal LJ, et al. **Intervirology** 1981; 16(3):168–75

Effects of canavanine treatment on herpesvirus morphogenesis in cultured cells. Smith JD, et al. **Intervirology** 1981;16(4):233–43

The plaque-forming factor for mink lung cells present in cytomegalovirus and herpes-zoster virus stocks identified as Mycoplasma hyorhinis. Darai G, et al. **J Gen Virol** 1981 Jul;55(Pt 1):201–5

Long-term mouse cytomegalovirus infection of tracheal organ culture: relation to host cell replication. Nedrud JG, et al. **J Gen Virol** 1982 Jun;60(Pt 2):247–59

Activation of latent murine cytomegalovirus in vivo and in vitro: a pathogenetic role for acute infection. Jordan MC, et al. **J Infect Dis** 1982 May;145(5):699–705

The pathogenesis of pneumonitis due to murine cytomegalovirus. Shanley JD, et al. **J Infect Dis** 1982 Sep; 146(3):388–96

Comparison of human cytomegalovirus growth in MRC-5 human fibroblasts, brain, and choroid plexus cells in vitro. Wroblewska Z, et al. **J Med Virol** 1981;8(4):245–56

Human cytomegalovirus cycle in synchronized cells: electron microscope study. Falcieri E, et al. **Microbiologica** 1982

Jan;5(1):43–7
Inhibitors of polyamine biosynthesis block human cytomegalovirus replication. Tyms AS, et al. **Nature** 1982 Jun 24;297(5868):690–1
Cytogenetic modifications induced in human diploid cells by mixed infection with measles and cytomegalic virus. Cernescu C, et al. **Virologie** 1981 Jul–Sep;32(3):199–206

IMMUNOLOGY

Anti-human cytomegalovirus nuclear antigen antibodies of different immunoglobulin classes. Czeglédy J, et al. **Acta Virol (Praha)** 1982 Jan;26(1–2):73–8
Comparison of complement fixation and fluorescent immunoassay (FIAX) for measuring antibodies to cytomegalovirus and herpes simplex virus. Friedman HM, et al. **Am J Clin Pathol** 1981 Sep;76(3):305–7
Vaccination of pediatric nurses with live attenuated cytomegalovirus. Fleisher GR, et al. **Am J Dis Child** 1982 Apr;136(4):294–6
The launching of a cytomegalovirus vaccine. Hanshaw JB. **Am J Dis Child** 1982 Apr;136(4):291–2
Cell-mediated immunity to cytomegalovirus in pregnant women. Agatsuma Y, et al. **Am J Reprod Immunol** 1981 Aug;1(4):174–9
An immunoperoxidase study of cytomegalovirus mononucleosis. Abramowitz A, et al. **Arch Pathol Lab Med** 1982 Mar;106(3):115–8
Neutralization of different strains of murine cytomegalovirus (MCMV)–effect of in vitro passage. Chong KT, et al. **Arch Virol** 1981;69(2):95–104
Application of different strains for determining IgM antibodies against cytomegalovirus–induced late antigen. Gartner L, et al. **Arch Virol** 1982;72(1–2):133–5
Antibody to cytomegalovirus in patients with Sjögren's syndrome. As determined by an enzyme-linked immunosorbent assay. Shillitoe EJ, et al. **Arthritis Rheum** 1982 Mar;25(3):260–5
A collaborative study of cytomegalovirus antibodies in mothers and young children in 19 countries. Krech U, et al. **Bull WHO** 1981;59(4):605–10
Enzyme linked immunosorbent assay (ELISA) for the detection of antibodies to porcine cytomegalovirus. Assaf R, et al. **Can J Comp Med** 1982 Apr;46(2):183–5
Natural killing of cytomegalovirus–infected fibroblasts by human mononuclear leucocytes. Starr SE, et al. **Clin Exp Immunol** 1981 Dec;46(3):484–92
Delayed hypersensitivity to murine cytomegalovirus and its depression during pregnancy. Chong KT, et al. **Infect Immun** 1982 Jul;37(1):54–9
Cytomegalovirus–specific cytotoxicity mediated by non–T lymphocytes from peripheral blood of normal volunteers. Kirmani N, et al. **Infect Immun** 1981 Nov;34(2):441–7
Specific lymphocyte blastogenic responses in children with cytomegalovirus and herpes simplex virus infections acquired early in infancy. Pass RF, et al. **Infect Immun** 1981 Oct;34(1):166–70
Monoclonal antibodies to human cytomegalovirus: three surface membrane proteins with unique immunological and electrophoretic properties specify cross–reactive determinants. Pereira L, et al. **Infect Immun** 1982 Jun; 36(3):924–32
Interaction of cytomegalovirus immune complexes with host cells. Rundell BB, et al. **Infect Immun** 1981 Sep; 33(3):658–65
Differentiation of members of the human herpesviridae family by radioimmunoassay. Smith KO, et al. **Infect Immun** 1981 Aug;33(2):491–7
Antibody pattern to human cytomegalovirus in patients with adenocarcinoma of the colon. Avni A, et al. **Intervirology** 1981;16(4):244–9
Detection of specific IgA antibodies in serum of kidney transplant patients with recurrent cytomegalovirus infection. Sarov I, et al. **Intervirology** 1981;15(4):228–34
An evaluation under code of new techniques for the detection of cytomegalovirus antibodies: sensitivity of assays and importance of immune complexes. Cheung KS, et al. **J Clin Lab Immunol** 1981 Nov;6(3):269–74
A microtiter assay for cell–mediated cytotoxicity to cytomegalovirus antigens. Roche JK, et al. **J Clin Lab Immunol** 1981 Nov;6(3):263–8
Visual reading of enzyme immunofluorescence assays for human cytomegalovirus antibodies. Forghani B, et al. **J Clin Microbiol** 1980 Nov;12(5):704–8
Enzyme immunoassays for measurement of cytomegalovirus immunoglobulin M antibody. Yolken RH, et al. **J Clin Microbiol** 1981 Oct;14(4):427–32
Evidence for early membrane antigens in cytomegalovirus–infected cells. Tanaka J, et al. **J Gen Virol** 1981 Mar;53(Pt 1):157–61
Antibody to cytomegalovirus in Malta. Spiteri LJ, et al. **J Hyg (Lond)** 1982 Apr;88(2):355–9
Effects of vaccination on cytomegalovirus–associated interstitial pneumonia in strain 2 guinea pigs. Bia FJ, et al. **J Infect Dis** 1982 May;145(5):742–7
Detection of antibody to cytomegalovirus early antigen in vaccinated, normal volunteers and renal transplant candidates. Friedman AD, et al. **J Infect Dis** 1982 Aug; 146(2):255–9
Infection with cytomegalovirus during pregnancy: specific IgM antibodies as a marker of recent primary infection. Griffiths PD, et al. **J Infect Dis** 1982 May;145(5):647–53
Cytomegalovirus vaccines [letter] Plotkin SA. **J Infect Dis** 1981 Nov;144(5):494–5
Kaposi's sarcoma: absence of cytomegalovirus antigens. Civantos F, et al. **J Invest Dermatol** 1982 Aug;79(2):79–80
Detection of human cytomegalovirus– specific IgA antibodies in colostrum by enzyme–linked immunosorbent assay (ELISA). Pinku A, et al. **J Med Virol** 1982;9(2):111–6
Detection and differentiation of cytomegalovirus antibodies by radioimmunoassay. Jankowski MA, et al. **J Virol Methods** 1980;1(3):133–8
Cytomegalovirus vaccine work progressing [news] Gunby P. **JAMA** 1982 Sep 24;248(12):1424–5
Cytomegalovirus and Kaposi's sarcoma in young homosexual men. Drew WL, et al. **Lancet** 1982 Jul 17;2(8290):125–7
Amyl nitrite may alter T lymphocytes in homosexual men. Goedert JJ, et al. **Lancet** 1982 Feb 20;1(8269):412–6
A modified immunofluorescent test for detection of antibody against human cytomegalovirus. Coupland B. **Med Lab Sci** 1982 Jan;39(1):91–2
Complement–fixing antibodies to human cytomegalovirus induced early nuclear antigens in mononucleosis. Gergely L, et al. **Med Microbiol Immunol (Berl)** 1981;170(2):99–108
Congenital cytomegalovirus infection: diagnostic and prognostic significance of the detection of specific immunoglobulin M antibodies in cord serum. Griffiths PD, et al. **Pediatrics** 1982 May;69(5):544–9
Conditions for cytomegalovirus stimulation of lymphocytes. Wahren B, et al. **Scand J Immunol** 1981;13(6):581–6
Studies of cytomegalovirus infection in renal allograft recipients. II. Serological response to various viral antigens. Gadler H, et al. **Scand J Infect Dis** 1982;14(2):89–94
Identification of a primate cytomegalovirus group–common protein antigen. Weiner D, et al. **Virology** 1981 Nov; 115(1):182–91
[Determination of cytomegalo–, herpes simplex– and rubellavirus–antibodies resp. during perinatal period by Elisa–technique (author's transl)] Dennin RH, et al. **Geburtshilfe Fraunheilkd** 1982 May;42(5):357–60 (Eng. Abstr.) **(Ger)**
[The latex–IgM–test in virus diagnostic: determination of cytomegalovirus antibodies (author's transl)] Schmidt WA, et al. **Zentral Bakteriol Mikrobiol Hyg [A]** 1981; 250(1–2):25–33 (Eng. Abstr.) **(Ger)**
[Various liver diseases and antibody responses to cytomegalovirus (author's transl)] Iwata A. **Nippon Shokakibyo Gakkai Zasshi** 1982 Jan;79(1):55–63 (Eng. Abstr.) **(Jpn)**
[Problems of specificity and sensitivity of methods for the rapid detection of antibodies in viral infections] Jankowski M. **Przegl Epidemiol** 1981;35(4):413–27 (Eng. Abstr.) **(Pol)**
[Use of indirect immunofluorescence for detection of antibodies against cytomegalovirus] Elekoev KA, et al. **Lab Delo** 1982;(4):251–2 **(Rus)**

ISOLATION & PURIFICATION

Diagnosis of severe fetal cytomegalovirus infection from amniotic fluid in the third trimester of pregnancy. Huikeshoven FJ, et al. **Am J Obstet Gynecol** 1982 Apr 15;142(8):1053–4
On the presence of cytomegalovirus in the milk of normal women; correlation between breast feeding and virus excretion in infants. Panà A, et al. **Boll Ist Sieroter Milan** 1981 May;60(2):85–8
Cytomegalovirus in the semen. Embil JA, et al. **Can Med Assoc J** 1982 Feb 15;126(4):391–2
Cytomegalovirus–like particles in the red–backed vole submandibular gland. Odajima M. **Experientia** 1982 Mar 15;38(3):393–4
Lack of association of cytomegalovirus with adenocarcinoma of the colon. Hart H, et al. **Gut** 1982 Jan;23(1):21–30
Kaposi's sarcoma. IV. Detection of CMV DNA, CMV RNA and CMNA in tumor biopsies. Boldogh I, et al. **Int J Cancer** 1981 Oct 15;28(4):469–74
Cytomegalovirus: detection in human colonic and circulating mononuclear cells in association with gastrointestinal disease. Roche JK, et al. **Int J Cancer** 1981 May 15; 27(5):659–67
Comparison of techniques for recovering murine cytomegalovirus from a macrophage–enriched subpopulation of mice. Winkler SR, et al. **J Clin Microbiol** 1980 Dec;12(6):785–9
Excretion of cytomegalovirus in mothers: observations after delivery of congenitally infected and normal infants. Pass RF, et al. **J Infect Dis** 1982 Jul;146(1):1–6
Isolation of human cytomegalovirus from peripheral blood T cells of renal transplant patients. Garnett HM. **J Lab Clin Med** 1982 Jan;99(1):92–7
Recovery of cytomegalovirus and Chlamydia trachomatis from vaginal tampons. Larew MS, et al. **J Med Virol** 1982; 9(1):37–42
Persistence of cytomegalovirus in human milk after storage. Dworsky M, et al. **J Pediatr** 1982 Sep;101(3):440–3
Cytomegalovirus infections: current diagnostic methods. Smith TF. **Mayo Clin Proc** 1981 Dec;56(12):767
Brain and visceral involvement during congenital cytomegalovirus infection of guinea pigs. Griffith BP, et al. **Pediatr Res** 1982 Jun;16(6):455–9
Studies of cytomegalovirus infection in renal allograft recipients. Gadler H, et al. **Scand J Infect Dis** 1982; 14(2):81–7
[Use of a cocultivation method for detecting cytomegalovirus contamination of cell cultures of simian origin] Karetnyĭ IuV, et al. **Vopr Virusol** 1982 Mar–Apr;27(2):199–203 (Eng. Abstr.) **(Rus)**
[Cytomegalovirus infection in 32 children (author's transl)] Moraga Llop FA, et al. **An Esp Pediatr** 1981 Dec; 15(6):535–43 (Eng. Abstr.) **(Spa)**

METABOLISM

Ultrastructural localization of cytomegalovirus DNA synthesis in infected guinea–pig cells. Fong CK. **J Gen Virol** 1982 Jun;60(Pt 2):235–45
Effect of 2–deoxy–D–glucose on cytomegalovirus–induced DNA synthesis in human fibroblasts. Radsak KD, et al. **J Gen Virol** 1981 Nov;57(Pt 1):33–42
Synthesis of human cytomegalovirus–specified RNA and protein in interferon–treated cells at early times after infection. Stinski MF, et al. **J Gen Virol** 1982 Jun;60(Pt 2):261–70

PATHOGENICITY

Congenital cytomegalovirus effects on postnatal neurological development of squirrel monkey (Saimiri sciureus) offspring. Ordy JM, et al. **Exp Neurol** 1981 Dec; 74(3):728–47
Genital cancer and viruses. Rapp F, et al. **Gynecol Oncol** 1981 Oct;12(2 Pt 2):S25–41 (97 ref.)
Effects of cell source, mouse strain, and immunosuppressive treatment on production of virulent and attenuated murine cytomegalovirus. Selgrade MK, et al. **Infect Immun** 1981 Sep;33(3):840–7
Infection of mouse ectoplacental cone cells with murine cytomegalovirus. Baskar JF, et al. **J Gen Virol** 1981 Jun; 54(Pt 2):415–20
Murine cytomegalovirus particle types in relation to sources of virus and pathogenicity. Chong KT, et al. **J Gen Virol** 1981 Dec;57(Pt 2):415–9
[Role of the cytomegalovirus in the pathology of pregnancy, of the fetus and of newborn infants] Demidova SA, et al. **Sov Med** 1981;(4):120–2 **(Rus)**
[Cytomegaloviruses: their role in human pathology] Rozanova EB. **Vestn Oftalmol** 1982 Jan–Feb;(1):68–71 (42 ref.) **(Rus)**

PHYSIOLOGY

Effect of cytomegalovirus on adult human chromosomes. Sakizli M, et al. **Acta Virol (Praha)** 1981 Jul;25(4):248–50
Suppression of fibronectin synthesis by an early function(s) of human cytomegalovirus. Ihara S, et al. **J Gen Virol** 1982 Apr;59(Pt 2):409–13
The cytomegalic inclusion cell and disease. II. Social behaviour in vitro. Diosi P. **Morphol Embryol (Bucur)** 1982 Jan–Mar;28(1):51–3

CYTOMETRY, FLOW see **FLOW CYTOMETRY**

CYTOPATHOGENIC EFFECT, VIRAL

see related

PLAQUE ASSAY

Microtubules and microfilaments in HSV–Infected rabbit–kidney cells. Heeg U, et al. **Arch Virol** 1981; 70(3):233–46
Altered cellular morphology resulting from cytocidal virus infection. Schrom M, et al. **Arch Virol** 1981;70(3):173–87 (91 ref.)
Temperature–sensitive alteration in fusion activity of subacute sclerosing panencephalitis virus during serial passages in vitro and expression of hemagglutinin on the infected cells. Ueda S. **Biken J** 1981 Jun;24(1–2):89–94
Virally induced alterations in cellular permeability: a basis of cellular and physiological damage? Pasternak CA, et al. **Biosci Rep** 1981 Jun;1(6):431–48 (153 ref.)
Cytopathic effects in mouse neuroblastoma cells during a non–permissive infection with a mutant of vesicular stomatitis virus. Dille BJ, et al. **J Gen Virol** 1981 Aug;55(Pt 2):343–54
Mechanism of early and late polykaryocytosis induced by the bovine leukaemia virus. Guillemain B, et al. **J Gen Virol** 1981 Nov;57(Pt 1):227–31
Association of the cytopathic effect of sindbis virus with increased fatty acid saturation. Nozawa CM, et al. **J Gen Virol** 1982 Mar;59(Pt 1):219–22
Cell killing by avian leukosis viruses. Weller SK, et al. **J Virol** 1981 Sep;39(3):713–21
Syncytium formation in aged umbilical cord blood macrophages. Attempts to demonstrate an infectious etiology. zur Hausen H, et al. **Med Microbiol Immunol (Berl)** 1982;170(4):229–40
Conditions necessary for inhibition of protein synthesis and production of cytopathic effect in Aedes albopictus cells infected with vesicular stomatitis virus. Gillies S, et al. **Mol Cell Biol** 1982 Jan;2(1):66–75
Late effects of acute phase hepatitis B sera in continuous cell lines. Rosin S, et al. **Virologie** 1981 Jul–Sep; 32(3):249–51
Cell killing by simian virus 40: evaluation of the role of extracellular calcium. Norkin LC. **Virology** 1982 Jan 15; 116(1):375–8

DRUG EFFECTS

Suppressive effects of interferon on cell fusion by Sendai

virus. Tomita Y, et al. **J Gen Virol** 1981 Aug;55(Pt 2):289–95

CYTOPHAGA

PHYSIOLOGY

Gliding motility of Cytophaga sp. strain U67. Lapidus IR, et al. **J Bacteriol** 1982 Jul;151(1):384–98

CYTOPHAGACEAE

[Endotoxin-like activity in Capnocytophaga gingivalis] Fumarola D, et al. **Minerva Stomatol** 1981 Nov-Dec; 30(6):475–7 (Eng. Abstr.) **(Ita)**

DRUG EFFECTS

In vitro susceptibility of Capnocytophaga strains to 18 antimicrobial agents. Sutter VL, et al. **Antimicrob Agents Chemother** 1981 Aug;20(2):270–1

ENZYMOLOGY

Degradation of immunoglobulins A2, A2, and G by suspected principal periodontal pathogens. Kilian M. **Infect Immun** 1981 Dec;34(3):757–65

Altered methionyl-tRNA synthetase in a Spirulina platensis mutant resistant to ethionine. Riccardi G, et al. **J Bacteriol** 1982 Aug;151(2):1053–5

GENETICS

Incompatibility and host range of pGD10 from Capnocytophaga ochraceus, formerly Bacteroides ochraceus. Guiney DG, et al. **Plasmid** 1982 Mar;7(2):196–8

IMMUNOLOGY

Immunological activities of Capnocytophaga cellular components. Murayama Y, et al. **Infect Immun** 1982 Jun; 36(3):875–84

ISOLATION & PURIFICATION

Capnocytophaga bacteremia in the compromised host. Shlaes DM, et al. **Am J Clin Pathol** 1982 Mar;77(3):359–61

Capnocytophaga found in root canal system of a nonvital tooth. Goodman AD, et al. **Oral Surg** 1982 Jun;53(6):622–3

[Endocarditis caused by capnocytophaga ochracea (letter)] Coignard S, et al. **Nouv Presse Med** 1982 Apr 10; 11(17):1338 **(Fre)**

[Septicemia caused by Capnocytophaga sputigena (letter)] De Rautlin de la Roy Y, et al. **Nouv Presse Med** 1981 Oct 10;10(36):2992 **(Fre)**

PATHOGENICITY

Virulence factors of Capnocytophaga: newer contributions [letter] Fumarola D, et al. **Am J Clin Pathol** 1982 Sep; 78(3):425–6

PHYSIOLOGY

Evidence for contractile flexing of the gliding bacterium Flexibacter FS-1. Burchard RP. **Nature** 1982 Aug 12; 295(5875):663–5

CYTOPHAGALES

CLASSIFICATION

Taxonomy of the gliding bacteria. Reichenbach H. **Annu Rev Microbiol** 1981;35:339–64

PHYSIOLOGY

Gliding motility of prokaryotes: ultrastructure, physiology, and genetics. Burchard RP. **Annu Rev Microbiol** 1981; 35:497–529 (234 ref.)

CYTOPLASM

ANALYSIS

Double-stranded structures in nuclear and cytoplasmic RNA of rat liver. Krówczyńska A, et al. **Acta Biochim Pol** 1981; 28(3–4):351–65

Characterization of cytoplasmic progesterone receptors in rat granulosa cells. Evidence for nuclear translocation. Naess O. **Acta Endocrinol (Copenh)** 1981 Oct;98(2):288–94

Factors inhibiting cell proliferation in rat liver cytoplasm. Kuramitsu M, et al. **Acta Med Okayama** 1982 Feb; 36(1):1–10

Gas–liquid chromatography of free amino acids in the hyaloplasm of rat liver and kidney cells. Gabrys J, et al. **Anal Biochem** 1982 Mar 15;121(1):199–206

Hormone receptors of the baboon cardiovascular system. Biochemical characterization of aortic cytoplasmic androgen receptors. Lin AL, et al. **Arteriosclerosis** 1981 Jul–Aug;1(4):257–64

A close structural relationship of rat liver Z-protein to cellular retinoid binding proteins and peripheral nerve myelin P2 protein. Takahashi K, et al. **Biochem Biophys Res Commun** 1982 Jun 30;106(4):1099–105

Partial purification and properties of the cytoplasmic factors modulating adenylate cyclase activity in rat lung plasma membranes. Nijjar MS, et al. **Biochim Biophys Acta** 1981 Sep 18;677(1):153–9

Snurps and scyrps. Lerner MR, et al. **Cell** 1981 Aug; 25(2):298–300 (16 ref.)

Two groups of small stable RNAs. Zieve GW. **Cell** 1981 Aug;25(2):296–7 (18 ref.)

Distribution of fibronectin-containing structures on the surface of lamelloplasm and endoplasm of fibroblasts ; hypothesis of receptor-mediated assembly of fibronectin structures. Lyubimov AV, et al. **Cell Biol Int Rep** 1982 Feb;6(2):105–12

Hormone receptors of the baboon cardiovascular system. Biochemical characterization of myocardial cytoplasmic androgen receptors. Lin AL, et al. **Circ Res** 1981 Oct; 49(4):1010–6

In vivo distribution of proteins within a single cell. Austerberry CF, et al. **Clin Chem** 1982 Apr;28(4 Pt 2):1011–4

Vimentin, the 57 000 molecular weight protein of fibroblast filaments, is the major cytoskeletal component in immature glia. Dahl D, et al. **Eur J Cell Biol** 1981 Jun;24(2):191–6

Isolation and partial characterization of cytoplasmic alpha agglutination substance in the yeast Saccharomyces cerevisiae. Yamaguchi M, et al. **FEBS Lett** 1982 Mar 8; 139(1):125–9

A low molecular weight binding protein for organic anions (Z protein) from human hepatic cytosol: purification and quantitation. Kamisaka, et al. **Hepatology** 1981 May–Jun; 1(3):221–7

Cytoplasmic dot hybridization. Simple analysis of relative mRNA levels in multiple small cell or tissue samples. White BA, et al. **J Biol Chem** 1982 Aug 10;257(15):8569–72

Fodrin: axonally transported polypeptides associated with the internal periphery of many cells. Levine J, et al. **J Cell Biol** 1981 Sep;90(3):631–42

Cytoplasmic contractile proteins. Pollard TD. **J Cell Biol** 1981 Dec;91(3 Pt 2):156s–165s (136 ref.)

Time of synthesis and cellular location of Epstein-Barr virus-specified polypeptides radioimmunoprecipitated from iododeoxyuridine-induced Burkitt lymphoma/somatic cell hybrids. Durnford JM, et al. **J Gen Virol** 1982 May;60(Pt 1):39–48

Lactoferrin: nuclear localization in the human neutrophilic granulocyte? Briggs RC, et al. **J Histochem Cytochem** 1981 Oct;29(10):1128–36

Intracellular vesicular stomatitis virus leader RNAs are found in nucleocapsid structures. Blumberg BM, et al. **J Virol** 1981 Nov;40(2):568–76

Immunological and chemical identification of intracellular forms of adenovirus type 2 terminal protein. Green M, et al. **J Virol** 1981 Nov;40(2):541–50

The preparation of orthopoxvirus DNA. Esposito J, et al. **J Virol Methods** 1981 Feb;2(3):175–9

[Study of intracytoplasmic immunoglobulins in epoxy embedded tissues by direct immunofluorescent technique (author's transl)] Tulliez M, et al. **Ann Pathol** 1981; 1(2):163–5 (Eng. Abstr.) **(Fre)**

[Acetylcholinesterase activity as an indicator of the content of stroma in infusable hemoglobin solutions in relation to the manner of their preparation] Birkigt HG, et al. **Folia Haematol (Leipz)** 1982;109(2):319–23 (Eng. Abstr.) **(Ger)**

[Changes in the estrogen receptor content in the growing uterus of an immature rat after gonadotropin (PMSG, HCG) or estrogen injection] Paszko Z, et al. **Endokrynol Pol** 1981 May–Jun;32(3):253–64 (Eng. Abstr.) **(Pol)**

[Cytoplasmic steroid hormone receptors in primary breast tumors] Bassalyk LS, et al. **Vopr Onkol** 1982;28(4):6–10 (Eng. Abstr.) **(Rus)**

DRUG EFFECTS

Influence of drugs on the bilirubin UDP-glucuronyltransferase activity and the concentration of Y and Z acceptor proteins in rat liver. Grimmer I, et al. **Biol Neonate** 1981;40(5–6):218–23

Reversible compression of cytoplasm. Albrecht-Buehler G, et al. **Exp Cell Res** 1982 Jul;140(1):173–89

Fine-morphology of chief cells in human gastric mucosa after secretin. Stachura J, et al. **Scand J Gastroenterol** 1981; 16(6):713–20

[Comparative study of L cell cytoplasts obtained with and without the use of cytochalasin B] Egorov EE, et al. **Dokl Akad Nauk SSSR** 1982;264(4):969–73 **(Rus)**

ENZYMOLOGY

Defects in modification of cytoplasmic and mitochondrial transfer RNAs are caused by single nuclear mutations. Hopper AK, et al. **Cell** 1982 Mar;28(3):543–50

Cellular localization of thiol-proteinase inhibitor in the epidermis of the newborn rat. Fukuyama K, et al. **Cell Tissue Res** 1982;223(2):313–23

Subcellular distribution of various proteases in Escherichia coli. Swamy KH, et al. **J Bacteriol** 1982 Mar;149(3):1027–33

Coenzyme binding at different ionization states of cytoplasmic and mitochondrial malate dehydrogenase. Schwerdtfeger K, et al. **Z Naturforsch [C]** 1982 May–Jun; 37(5–6):547–9

IMMUNOLOGY

Clinical and immunological significance of antibodies to Ro and La in systemic lupus erythematosus. Reichlin M. **Arthritis Rheum** 1982 Jul;25(7):767–71

The presence of monoclonal cytoplasmic immunoglobulins in leukemic B cells from patients with chronic lymphocytic leukemia. Han T, et al. **Blood** 1982 Feb;59(2):435–8

Membrane-bound and cellular immunoglobulins in human B-lymphoma lines and derived hybrids. Spira G, et al. **Immunobiology** 1981;160(3–4):340–51

Comparison of cytoplasmic extracts of eight Candida species and Saccharomyces cerevisiae. Greenfield RA, et al. **Infect Immun** 1982 Mar;35(3):1157–61

Restricted nucleocytoplasmic relationship in activation of T and B lymphocytes. Watanabe T, et al. **J Exp Med** 1982 Jul 1;156(1):312–7

Cell surface fixation of alloantigen bearing plasma vesicles in the presence of polyethylene glycol. Dubreuil PC, et al. **J Immunol Methods** 1981;44(3):285–99

In vitro complement-binding on cytoplasmic structures in normal human skin: I. Immunofluorescence studies. Hintner H, et al. **J Invest Dermatol** 1982 Aug;79(2):119–24

Antibodies to human epidermal cytoplasmic antigens: incidence, patterns, and titers. Paluch EP, et al. **J Invest Dermatol** 1982 Aug;79(2):115–8

Presidential address. Electron microscopical study on cytoplasmic immunoglobulin of B cell lymphoma. Kojima M, et al. **Nippon Ketsueki Gakkai Zasshi** 1980 Dec; 43(6):971–8

Distribution of surface, cytoplasmic and secreted IgG subclasses in human lymphoblastoid cell lines and normal peripheral blood lymphocytes. Simmons JG, et al. **Scand J Immunol** 1981;14(1):1–13

On suppression of tumorigenicity in hybrid and cybrid mouse cells. Giguère L, et al. **Somatic Cell Genet** 1981 Jul; 7(4):457–71

Discovery of a cytoplasmic-dominant alloantigen prevalent in erythrocytes. Neurath AR, et al. **Vox Sang** 1981; 41(4):201–6

METABOLISM

Internalization of cytoplasmic protein by lysosomes as the mechanism of resident protein turnover in liver. Mortimore GE, et al. **Acta Biol Med Ger** 1981;40(10–11):1577–85

Compartmentalization of polyamines in mammalian cells. Mach M, et al. **Biochem Biophys Res Commun** 1982 Feb 26;104(4):1327–34

Association of membrane and cytoplasmic proteins with the cytoskeleton in blood platelets. Rotman A, et al. **Biochemistry** 1982 Apr 13;21(8):1713–9

Influence of streptozotocin-induced diabetes on the cytoplasmic factors modulating adenylate cyclase activity in rat lungs. Ofulue AF, et al. **Biochim Biophys Acta** 1981 Jul 17;675(3–4):397–402

Hormonally responsive areas of the reproductive system of the male guinea pig. III. Presence of cytoplasmic estrogen receptors. Danzo BJ, et al. **Biol Reprod** 1981 Dec; 25(5):1159–68

Cytoplasmic alkalization reduces calcium buffering in molluscan central neurons. Zucker RS. **Brain Res** 1981 Nov 23;225(1):155–70

A membrane glycoprotein that accumulates intracellularly: cellular processing of the large glycoprotein of LaCrosse virus. Madoff DH, et al. **Cell** 1982 Apr;28(4):821–9

Uptake of hexavalent chromium by bovine erythrocytes and its interaction with cytoplasmic components; the role of glutathione. Kitagawa S, et al. **Chem Biol Interact** 1982 Jul 1;40(3):265–74

Molecular structure of maternal RNA. Thomas TL, et al. **Chromosoma** 1981;84(3):319–35

Hormone receptors of the baboon cardiovascular system. Biochemical characterization of aortic and myocardial cytoplasmic progesterone receptors. Lin AL, et al. **Circ Res** 1982 May;50(5):610–6

Interrelationships between water and cell metabolism in Artemia cysts. IX. Evidence for organization of soluble cytoplasmic enzymes. Clegg JS. **Cold Spring Harbor Symp Quant Biol** 1982;46 (Pt 1):23–37

Measurements of the diffusion of macromolecules injected into the cytoplasm of living cells. Wojcieszyn JW, et al. **Cold Spring Harbor Symp Quant Biol** 1982;46 (Pt 1):39–44

Polysomal and nonpolysomal messenger RNA of noninduced and induced Friend erythroleukemic cells: analysis by cell-free translation. Gabrielli F. **Differentiation** 1981; 19(1):59–64

Ontogeny of 5 alpha-androstan-3 beta, 17beta-diol and 17 beta-estradiol binding to cytoplasm and nuclei of the male rat. Thieulant ML, et al. **Endocrinology** 1982 Apr; 110(4):1300–7

Exclusive localization of colicin A in cell cytoplasm of producing bacteria. Cavard D, et al. **Eur J Biochem** 1981 Sep;119(1):125–31

Uptake and apparent digestion of cytoplasmic organelles by protein bodies (protein storage vacuoles) in mung bean cotyledons. Herman EM, et al. **Eur J Cell Biol** 1981 Jun; 24(2):226–35

Multinucleate plant cells. II. Requirements for nuclear DNA synthesis. Hervás JP, et al. **Exp Cell Res** 1982 Jun; 139(2):341–50

Cell cycle-related transfer of proteins between the nucleus and cytoplasm of Physarum polycephalum. Jeter JR Jr, et al. **Exp Cell Res** 1982 Apr;138(2):474–80

Regulation of intracytoplasmic pH and 'apparent' intracellular pH in alveolar macrophages. Laman D, et al.

Exp Lung Res 1981 May;2(2):141–53

A comparison of cytoplasmic and nuclear estradiol and progesterone receptors in human fallopian tube and endometrial tissue. Pollow K, et al. **Fertil Steril** 1981 Nov; 36(5):615–22

Influence of the adrenal gland on uptake, retention, metabolism and binding to cytoplasmic proteins of [3H] cortisol by the rat liver. Voigt J, et al. **Hoppe Seylers Z Physiol Chem** 1982 Feb;363(2):159–68

Binding of the apo and holo forms of the serum vitamin D–binding protein to human lymphocyte cytoplasm and membrane by indirect immunofluorescence. Constans J, et al. **Immunol Lett** 1981 Aug;3(3):159–62

Newly synthesized L-[14C]dopamine failed to accumulate immediately in synaptic vesicles within isolated rat brain synaptosomal cytoplasm. Tsudzuki T. **J Biochem (Tokyo)** 1981 Nov;90(5):1341–9

Comparative studies on microinjected high-mobility-group chromosomal proteins, HMG1 and HMG2. Wu L, et al. **J Cell Biol** 1981 Nov;91(2 Pt 1):488–96

Phosphorylation of influenza virus nucleoprotein in vivo. Petri T, et al. **J Gen Virol** 1981 Nov;57(Pt 1):185–90

Stray light correction for microspectrophotometric determination of intracellular ion concentration. Zucker RS. **J Neurosci Methods** 1982 May;5(4):389–94

A model for nucleocytoplasmic transport of ribonucleoprotein particles. Clawson GA, et al. **J Theor Biol** 1982 Apr 21;95(4):607–13

Cytoplasmic dissolution of phagocytized crystalline nickel sulfide particles: a prerequisite for nuclear uptake of nickel. Abbracchio MP, et al. **J Toxicol Environ Health** 1982 Apr; 9(4):663–76

Late nonstructural 100,000- and 33,000-dalton proteins of adenovirus type 2. I. Subcellular localization during the course of infection. Gambke C, et al. **J Virol** 1981 Nov; 40(2):585–93

Frog virus 3 DNA replication occurs in two stages. Goorha R. **J Virol** 1982 Aug;43(2):519–28

Spectrophotometric determination of cytoplasmic and mitochondrial pH transitions using trapped pH indicators. Thomas JA, et al. **KROC Found Ser** 1981;15:105–23

Effect of monaural and binaural stimulation on cytoplasmic RNA content in cells of the central nucleus of the cat inferior colliculus. Shmigidina GN. **Neurosci Behav Physiol** 1981 May–Jun;11(3):299–304

Transcriptional and translational control of cytoplasmic proteins after serum stimulation of quiescent Swiss 3T3 cells. Thomas G, et al. **Proc Natl Acad Sci USA** 1981 Sep; 78(9):5712–6

[Synthesis of 3,3'disubstituted hexestrol derivatives and their binding affinity to cytoplasmatic estrogen receptors (author's transl)] Hamacher H. **Arch Pharm (Weinheim)** 1981 Jul;314(7):631–44 (Eng. Abstr.) **(Ger)**

[Signal sequences in proteins (author's transl)] Rakowicz-Szulczyńska EM. **Postepy Biochem** 1981; 27(2):197–215 (76 ref.) **(Pol)**

[Decrease in liver mitochondrial sensitivity to the regulating action of an insulin-dependent cytoplasmic regulator during glucocorticoid administration] Gainutdinov MKh, et al. **Dokl Akad Nauk SSSR** 1981;261(2):502–5 **(Rus)**

[Migration of macrocomponents of the yeast cell nucleus into the cytoplasm] Stepaniuk VV. **Mikrobiol Zh** 1981 Nov–Dec;43(6):729–33 (Eng. Abstr.) **(Rus)**

[Relation of mast cell function to the metabolic processes in their cytoplasm] Shpak SI, et al. **Patol Fiziol Eksp Ter** 1981;(6):82–7 (113 ref.) **(Rus)**

[Effect of steroid hormones on DNA matrix activity and glucocorticoid-receptor interaction] Golikov PP, et al. **Probl Endokrinol (Mosk)** 1981 May–Jun;27(3):52–6 (Eng. Abstr.) **(Rus)**

[Specificity of the protein distribution in the nucleus and cytoplasm of the cells of provisional and definitive structures in early human embryos] Shapovalov IuN, et al. **Tsitol Genet** 1982 May–Jun;16(3):7–12 (Eng. Abstr.) **(Rus)**

MICROBIOLOGY

Ultrastructural study of long-term canine distemper virus infection in tissue culture cells. Narang HK. **Infect Immun** 1982 Apr;36(1):310–9

Growth of the Pittsburgh pneumonia agent in animal cell cultures. Rinaldo CR Jr, et al. **Infect Immun** 1981 Sep; 33(3):939–43

Decay of Moloney leukemia virus production after enucleation of chronically infected mouse cells. Ber R, et al. **Isr J Med Sci** 1981 Aug;17(8):690–6

The ultrastructure of feline infectious peritonitis virus in feline embryonic lung cells. Beesley JE, et al. **J Gen Virol** 1982 Mar;59(Pt 1):23–8

Review article initial stages in infection with animal viruses. Dimmock NJ. **J Gen Virol** 1982 Mar;59(Pt 1):1–22 (216 ref.)

Immunoelectron microscopic study on interactions of noninfectious sendai virus and murine cells. Yasuda Y, et al. **J Virol** 1981 Jul;39(1):273–81

[Studies on the morphogenesis of herpes simplex virus. I. Electron microscopic observation on its cytoplasmic morphogenesis] Hong T, et al. **Chung Kuo I Hsueh Ko Hsueh Yuan Hsueh Pao** 1981 Jun; 3 Suppl 1:74–6 (Eng. Abstr.) **(Chi)**

PATHOLOGY

Light microscopy. Extracellular sheath and lipid droplets of dermal melanocytes in semithin Epon sections. Gebhart W, et al. **Am J Dermatopathol** 1982 Jun;4(3):241–4

PHYSIOLOGY

Evolution of Sertoli cell processes invading the cytoplasm of rat spermatids. Morales C, et al. **Anat Rec** 1982 Jun; 203(2):233–44

Does blebbing reveal the convulsive flow of liquid and solutes through the cytoplasmic meshwork? Albrecht-Buehler G. **Cold Spring Harbor Symp Quant Biol** 1982;46 (Pt 1):45–9

Cytoplasmic transport: moving ultrastructural elements common to many cell types revealed by video-enhanced microscopy. Allen RD, et al. **Cold Spring Harbor Symp Quant Biol** 1982;46 (Pt 1):85–7

Contraction–relaxation cycle of Physarum cytoplasm: concomitant changes in intraplasmodial ATP and Ca++ concentrations. Kamiya N, et al. **Cold Spring Harbor Symp Quant Biol** 1982;46 (Pt 1):77–84

The axon: a prototype for studying expressional cytoplasm. Lasek RJ, et al. **Cold Spring Harbor Symp Quant Biol** 1982; 46 (Pt 1):113–24

Approaches to potential sliding mechanisms of cytoplasmic microtubules. Satir P. **Cold Spring Harbor Symp Quant Biol** 1982;46 (Pt 1):285–92

Organizing the cytoplasm for motility. Solomon F. **Cold Spring Harbor Symp Quant Biol** 1982;46 (Pt 1):17–22

Development of the ciliature of Tetrahymena thermophila. II. Spatial subdivision prior to cytokinesis. Frankel J, et al. **Dev Biol** 1981 Nov;88(1):39–54

Fertilization of parthenogenetically activate mouse eggs. I. Behaviour of sperm nuclei in the cytoplasm of parthenogenetically activated eggs. Komar A. **Exp Cell Res** 1982 Jun;139(2):361–7

An electrochemical interpretation of metabolism. Berry MN. **FEBS Lett** 1981 Nov 16;134(2):133–8 (78 ref.)

Epidermal growth factor induces rapid centrosomal separation in HeLa and 3T3 cells. Sherline P, et al. **J Cell Biol** 1982 May;93(2):507–12

Cytoplasts can transfer factor(s) that stimulate quiescent fibroblasts to enter S phase. Mercer WE, et al. **J Cell Physiol** 1982 Mar;110(3):311–4

Cytoplasmic regulation of the duration of cleavage in amphibian eggs. Aimar C, et al. **J Embryol Exp Morphol** 1981 Aug;64:259–74

Free Ca2+ and cytoplasmic streaming in the alga Chara. Williamson RE, et al. **Nature** 1982 Apr 15;296(5858):647–50

Regulation of genetic activity of thyroid hormones. I. Effect of purified cytoplasmic hormone–receptor complex on the template activity of chromatin. Abdukarimov A, et al. **Neurosci Behav Physiol** 1981 Sep–Oct;11(5):447–9

Long-lived cytoplasmic factors that suppress adrenal steroidogenesis. Clark MA, et al. **Proc Natl Acad Sci USA** 1982 Feb;79(4):1144–8

Isolation and characterization of rat skeletal muscle and cytoplasmic actin genes. Nudel U, et al. **Proc Natl Acad Sci USA** 1982 May;79(9):2763–7

Cytoplasmic transfer of the mitogenic response to platelet-derived growth factor. Smith JC, et al. **Proc Natl Acad Sci USA** 1981 Jul;78(7):4363–7

Nucleo–cytoplasmic interactions in oogenesis and early embryogenesis in the mouse. Tarkowski AK. **Prog Clin Biol Res** 1982;85 Pt A:407–16

Nucleus and cytoplasm: supply and demand. What underlies the flow of genetic information? Lichtenstein AV, et al. **Subcell Biochem** 1981;8:185–250 (347 ref.)

ULTRASTRUCTURE

Unusual cytoplasmic inclusion bodies in medullary carcinoma of the thyroid gland. Kakudo K, et al. **Acta Pathol Jpn** 1982 Mar;32(2):319–26

The cytoplasm: a unit structure in chromatophores. Porter KR, et al. **Cell** 1982 May;29(1):23–32

Organization of the cytoplasm. **Cold Spring Harbor Symp Quant Biol** 1982;46 (Pt 2):495–1047

Organization of the cytoplasm. **Cold Spring Harbor Symp Quant Biol** 1982;46 (Pt 1):1–493

Membrane cytoskeletal interactions in the human erythrocyte. Branton D. **Cold Spring Harbor Symp Quant Biol** 1982;46 (Pt 1):1–5

Organization of the cytoplasm. Brinkley BR. **Cold Spring Harbor Symp Quant Biol** 1982;46 (Pt 2):1029–40

Cytoplasmic and nuclear architecture in cells and tissue: form, functions, and mode of assembly. Penman S, et al. **Cold Spring Harbor Symp Quant Biol** 1982;46 (Pt 2):1013–28

Structural organization of the cytoplasm. Schliwa M, et al. **Cold Spring Harbor Symp Quant Biol** 1982;46 (Pt 1):51–67

Immunolabeling studies of cytoskeletal association in cultured cells. Singer SJ, et al. **Cold Spring Harbor Symp Quant Biol** 1982;46 (Pt 1):303–16

Actin gelation and structure of cortical cytoplasm. Stossel TP, et al. **Cold Spring Harbor Symp Quant Biol** 1982;46 (Pt 2):569–78 (70 ref.)

The effects of cytoskeleton inhibitors on cytoplasmic localization in Chaetopterus pergamentaceus. Eckberg WR. **Differentiation** 1981;19(1):55–8

Theoretical study of the effect of temperature on cell division & of the variation of nucleus & cytoplasmic mass preceding mitosis. De S. **Indian J Biochem Biophys** 1981 Feb; 18(1):89–91

Assembly of keratin onto PtK1 cytoskeletons: evidence for an intermediate filament organizing center. Eckert BS, et al. **J Cell Biol** 1982 Feb;92(2):575–8

The interpretation of interference-reflection images of spread cells: significant contributions from thin peripheral cytoplasm. Gingell D. **J Cell Sci** 1981 Jun;49:237–47

Intracytoplasmic crystals of enterovirus 71 in cultured cells. Tsuruhara T, et al. **J Electron Microsc (Tokyo)** 1981; 30(1):67–8

Cytoplasmic polarity develops at compaction in rat and mouse embryos. Reeve WJ. **J Embryol Exp Morphol** 1981 Apr;62:351–67

Variations in the nuclear–cytoplasmic ration during epithelial differentiation in experimental oral carcinogenesis. White FH, et al. **J Oral Pathol** 1981 Jun;10(3):164–72

Intracytoplasmic rod-like inclusions in caudate nucleus. Kawano N, et al. **Neuropathol Appl Neurobiol** 1981 Jul–Aug;7(4):307–14

Uraniosomes produced in the synovial membrane by uranyl acetate. Ghadially FN, et al. **Pathology** 1982 Apr; 14(2):121–7

Stabilization and the cytoplasmic ground substance in detergent-opened cells and a structural and biochemical analysis of its composition. Schliwa M, et al. **Proc Natl Acad Sci USA** 1981 Jul;78(7):4329–33

Diffusion of injected macromolecules within the cytoplasm of living cells. Wojcieszyn JW, et al. **Proc Natl Acad Sci USA** 1981 Jul;78(7):4407–10

Morphology of temperature-sensitive strains of viral-transformed 3T3 mouse fibroblasts in vitro as determined by SEM and STEM. Ulrich RG, et al. **Scan Electron Microsc** 1981;(Pt 2):205–12

Cytoplasmic origin of an intranuclear DNA virus (duck plague virus). Zhai Z, et al. **Sci Sin [B]** 1982 Jan;25(1):36–45

Ultrastructure of gastric myxofibroma with intracytoplasmic collagen. Hull MT, et al. **Ultrastruct Pathol** 1982 Jan–Mar; 3(1):25–30

The diagnostic significance of intracytoplasmic lumina in metastatic neoplasms. Sobrinho-Simões M, et al. **Ultrastruct Pathol** 1981 Oct–Dec;7(4):327–35

[Ultrastructural elements of the intracellular order] Groniowski J. **Patol Pol** 1981 Oct–Dec;32(4):449–60 (44 ref.) **(Pol)**

[Changes in the cytoplasmic ultrastructure and polyribosome content of rat liver cells in the 1st hours after a partial hepatectomy] Platonov OM, et al. **Tsitol Genet** 1981 Sep–Oct;15(5):25–8 **(Rus)**

[Transformation of the cytoplasmic processes in desmosome formation in the normal multilayer squamous epithelium and in cervical carcinoma in situ] Chernyĭ AP, et al. **Tsitologiia** 1981 Jul;23(7):773–8 (Eng. Abstr.) **(Rus)**

CYTOPLASMIC FILAMENTS

Approaches for isolating genes encoding the cytoskeletal proteins and for reintroducing the genes into cultured cells. Hughes SH, et al. **Cold Spring Harbor Symp Quant Biol** 1982;46 (Pt 2):507–12

Human platelets contain gelsolin. A regulator of actin filament length. Lind SE, et al. **J Clin Invest** 1982 Jun; 69(6):1384–7

Disulfiram neuropathy: a neurofilamentous distal axonopathy. Ansbacher LE, et al. **Neurology (NY)** 1982 Apr;32(4):424–8

ANALYSIS

Intermediate filaments: a chemically heterogeneous, developmentally regulated class of proteins. Lazarides E. **Annu Rev Biochem** 1982;51:219–50 (163 ref.)

Tonofilament protein, a keratin from rat epidermis. DeLap LW, et al. **Biochem Biophys Res Commun** 1981 Nov 16; 103(1):347–54

The polypeptide composition of axoplasm and of neurofilaments from the marine worm Myxicola infundibulum. Eagles PA, et al. **Biochem J** 1981 Oct 1; 199(1):89–100

O-phosphoserine content of intermediate filament subunits. Steinert PM, et al. **Biochemistry** 1982 Jan 5;21(1):177–83

The microfibrillar components of porcine lung elastic fiber. Richmond VL. **Biochim Biophys Acta** 1981 Jul 28; 669(2):193–205

Coexistence of three major isoactins in a single sarcoma 180 cell. Bravo R, et al. **Cell** 1981 Jul;25(1):195–202

Immunocytochemical localization of intermediate filament proteins during lymphocyte capping. Bourguignon LY, et al. **Cell Biol Int Rep** 1981 Aug;5(8):783–9

Cytoskeletal proteins from human skin fibroblasts, peripheral blood leukocytes, and a lymphoblastoid cell line compared by two-dimensional gel electrophoresis. Giometti CS, et al. **Clin Chem** 1982 Apr;28(4 Pt 2):955–61

The cytoskeleton of intestinal microvilli contains two polypeptides immunologically related to proteins of striated muscle. Coudrier E, et al. **Cold Spring Harbor Symp Quant Biol** 1982;46 (Pt 2):881–92

Plectin: a high-molecular-weight cytoskeletal polypeptide component that copurifies with intermediate filaments of the vimentin type. Wiche G, et al. **Cold Spring Harbor Symp Quant Biol** 1982;46 (Pt 1):475–82

Intermediate filament proteins in the developing chick spinal

cord. Tapscott SJ, et al. **Dev Biol** 1981 Aug;86(1):40–54
Heterogeneity of intermediate filament expression in vascular smooth muscle: a gradient in desmin positive cells from the rat aortic arch to the level of the arteria iliaca communis. Osborn M, et al. **Differentiation** 1981; 20(3):196–202
Visualization of the 10–NM filament vimentin rings in vascular endothelial cells in situ: close resemblance to vimentin cytoskeletons found in monolayers in vitro. Biose SH, et al. **Exp Cell Res** 1981 Oct;135(2):299–309
Localization of vimentin and desmin in BHK21/C13 cells and in baby hamster kidney. Frank ED, et al. **Exp Cell Res** 1982 Jun;139(2):235–47
Differences of expression of cytoskeletal proteins in cultured rat hepatocytes and hepatoma cells. Franke WW, et al. **Exp Cell Res** 1981 Aug;134(2):345–65
Intermediate filament proteins in mouse brain cells cultured in the presence or absence of fetal calf serum. Prochiantz A, et al. **Exp Cell Res** 1982 Jun;139(2):404–10
Distribution of vimentin and desmin filaments in smooth muscle tissue of mammalian and avian aorta. Schmid E. et al. **Exp Cell Res** 1982 Feb;137(2):329–40
The distribution of the neurofilament triplet proteins within individual neurones. Shaw G, et al. **Exp Cell Res** 1981 Nov; 136(1):119–25
Co–existence of vimentin and desmin type intermediate filaments in a subpopulation of adult rat vascular smooth muscle cells growing in primary culture. Travo P, et al. **Exp Cell Res** 1982 May;139(1):87–94
Phosphate content of mammalian neurofilaments. Jones SM, et al. **J Biol Chem** 1982 Sep 10;257(17):9902–5
Identification of mRNA species that code for extra–embryonic endodermal cytoskeletal proteins in differentiated derivatives of murine embryonal carcinoma cells. Tabor JM, et al. **J Biol Chem** 1982 Aug 10; 257(15):8771–4
Isolation of a new high molecular weight protein associated with desmin and vimentin filaments from avian embryonic skeletal muscle. Breckler J, et al. **J Cell Biol** 1982 Mar; 92(3):795–806
Claims that intermediate filaments contain F–actin are unwarranted. Buckley IK, et al. **J Cell Biol** 1981 Aug; 90(2):309–11
F–actin aggregates in transformed cells. Carley WW, et al. **J Cell Biol** 1981 Sep;90(3):797–802
Visualization of monoclonal antibody binding to tropomyosin on native smooth muscle thin filaments by electron microscopy. Matsumura F, et al. **J Mol Biol** 1982 May 5;157(1):163–71
Immunochemical characterization of antisera to rat neurofilament subunits. Autilio–Gambetti L, et al. **J Neurochem** 1981 Nov;37(5):1260–5
A comparison of in vitro– and in vivo–phosphorylated neurofilament polypeptides. Julien JP, et al. **J Neurochem** 1981 Dec;37(6):1579–85
Antibodies to intermediate filaments as diagnostic tools: human gastrointestinal carcinomas express prekeratin. Altmannsberger M, et al. **Lab Invest** 1982 May;46(5):520–6
Actin in Triton–insoluble cytoskeleton of thyroid. Kobayashi R, et al. **Metabolism** 1982 Feb;31(2):133–8
Biochemical and immunocytological characterization of intermediate filaments in muscle cells. Lazarides E. **Methods Cell Biol** 1982;25 Pt B:333–57
Giant axonal neuropathy: an inborn error of organization of intermediate filaments. Pena SD. **Muscle Nerve** 1982 Feb;5(2):166–72
Related amino acid sequences in neurofilaments and non–neural intermediate filaments. Geisler N, et al. **Nature** 1982 Apr 1;296(5856):448–50
Differential expression of neurofilament triplet proteins in brain development. Shaw G, et al. **Nature** 1982 Jul 15; 298(5871):277–9
Identification of a spectrin–like protein in nonerythroid cells. Goodman SR, et al. **Proc Natl Acad Sci USA** 1981 Dec; 78(12):7570–4
Alzheimer's disease: insolubility of partially purified paired helical filaments in sodium dodecyl sulfate and urea. Selkoe DJ, et al. **Science** 1982 Mar 5;215(4537):1243–5
Mapping functional sites on biological macromolecules. Cohen CM, et al. **Ultramicroscopy** 1982;8(1–2):185–90 (14 ref.)
[Cytoskeletal filaments in the structure and function of cellular membranes] Virtanen I, et al. **Duodecim** 1981; 97(18):1473–9 **(Fin)**
[Proteins of microvillus microfilament system of intestinal epithelial cells (author's transl)] Takesue Y. **Seikagaku** 1981 Dec 25;53(12):1290–4 (40 ref.) **(Jpn)**

DRUG EFFECTS

Microfilaments and the hydrosmotic action of vasopressin in toad urinary bladder. Hardy MA, et al. **Am J Physiol** 1982 Sep;243(3):C200–4
Inhibition of cytokinesis and altered contractile ring morphology induced by cytochalasins in synchronized PtK2 cells. Aubin JE, et al. **Exp Cell Res** 1981 Nov; 136(1):63–79
Retinoic acid induces anchorage– and density– dependent growth without restoring normal cytoskeleton, EGF binding,– fibronectin content and ODC activity in a retrovirus– transformed mouse cell line. Mukherjee BB, et al. **Exp Cell Res** 1982 Mar;138(1):95–107
Epidermal growth factor induces redistribution of actin and alpha–actinin in human epidermal carcinoma cells. Schlessinger J, et al. **Exp Cell Res** 1981 Aug;134(2):273–9
The effects of microfilament disrupting agents on HCl secretion and ultrastructure of piglet gastric oxyntic cells. Black JA, et al. **Gastroenterology** 1982 Sep;83(3):595–604
Experimental production of Mallory bodies in mice by diet containing 3,5–diethoxycarbonyl–1,4–dihydrocollidine. Yokoo H, et al. **Gastroenterology** 1982 Jul;83(1 Pt 1):109–13
Taxol induces postmitotic myoblasts to assemble interdigitating microtubule–myosin arrays that exclude actin filaments. Antin PB, et al. **J Cell Biol** 1981 Aug; 90(2):300–8
Keratin filaments of mouse epithelial cells are rapidly affected by epidermal growth factor. Keski–Oja J, et al. **J Cell Biol** 1981 Aug;90(2):537–41
Damage to actin filaments by glutaraldehyde: protection by tropomyosin. Lehrer SS. **J Cell Biol** 1981 Aug;90(2):459–66
Effects of cytochalasin B on membrane–associated microfilaments in a cell–free system. Phillips MJ, et al. **J Cell Biol** 1981 Nov;91(2 Pt 1):524–30
Action of cytochalasin D on cytoskeletal networks. Schliwa M. **J Cell Biol** 1982 Jan;92(1):79–91
The response of chicken embryo dermal fibroblasts to cytochalasin B is altered by Rous sarcoma virus–induced cell transformation. Menko AS, et al. **Mol Cell Biol** 1982 Mar;2(3):320–30
Cytochalasin D inhibits actin polymerization and induces depolymerization of actin filaments formed during platelet shape change. Casella JF, et al. **Nature** 1981 Sep 24; 293(5830):302–5
[Effect of phalloidin on the contractile structures in cytoplasmic preparations of Amoeba proteus] Paulin–Levasseur M, et al. **Eur J Cell Biol** 1981 Dec; 26(1):144–9 (Eng. Abstr.) **(Fre)**

ENZYMOLOGY

A calcium–dependent protease selectively degrading the 160 000 Mr component of neurofilaments is associated with the cytoskeletal preparation of the spinal cord and has an endogenous inhibitory factor. Tashiro T, et al. **FEBS Lett** 1982 May 3;141(1):41–4

IMMUNOLOGY

Autoantibodies against neurofilaments in Creutzfeldt–Jakob disease: immunofluorescence in sections of human caudate nucleus. Mayer V, et al. **Acta Virol (Praha)** 1981 Nov; 25(6):390–4
Immunochemical identification of intermediate–sized filaments in human neoplastic cells. A diagnostic aid for the surgical pathologist. Gabbiani G, et al. **Am J Pathol** 1981 Sep;104(3):206–16
Antibody to intermediate filaments of the cytoskeleton. Osung OA, et al. **Ann Rheum Dis** 1982 Feb;41(1):69–73
Monoclonal antibodies to mammalian neurofilaments. Wood JN, et al. **Biosci Rep** 1981 Mar;1(3):263–8
Assessment of immunological properties of neurofilament triplet proteins. Schlaepfer WW, et al. **Brain Res** 1981 Dec 7;226(1–2):259–72
Identification of cytoskeletal intermediate filaments of vascular endothelial cells as targets for autoantibodies in patient sera. Linder E, et al. **Clin Immunol Immunopathol** 1981 Nov;21(2):217–27
Autoantibody to intermediate filaments in viral hepatitis. Pedersen JS, et al. **Clin Immunol Immunopathol** 1981 Nov; 21(2):154–61
Characterization of cells of amniotic fluids by immunological identification of intermediate–sized filaments: presence of cells of different tissue origin. Cremer M, et al. **Hum Genet** 1981;59(4):373–9
Monoclonal antibodies provide specific intramolecular markers for the study of epithelial tonofilament organization. Lane EB. **J Cell Biol** 1982 Mar;92(3):665–73
Immunoglobulin M autoantibody to vimentin intermediate filaments. Senecal JL, et al. **J Clin Invest** 1982 Mar; 69(3):716–21
Isolation of Mallory bodies and an attempt to demonstrate cell mediated immunity to Mallory body isolate in patients with alcoholic liver disease. Gluud C, et al. **J Clin Pathol** 1981 Sep;34(9):1010–6
Reactivity of monoclonal antibodies against intermediate filament proteins during embryonic development. Kemler R, et al. **J Embryol Exp Morphol** 1981 Aug;64:45–60
Longitudinal spinal cord sections as substratum for anti–neurofilament antibody detection. Bahmanyar S, et al. **J Neurol Sci** 1982 Jan;53(1):85–90
Antibodies to intermediate filaments and histogenesis. Damjanov I. **Lab Invest** 1982 Sep;47(3):215–7
Neuronal origin of human esthesioneuroblastoma demonstrated with anti–neurofilament monoclonal antibodies. Trojanowski JQ, et al. **N Engl J Med** 1982 Jul 15;307(3):159–61
Molecular heterogeneity and the nervous system [news] Barnstable CJ. **Nature** 1982 Aug 19;298(5876):708–9
Human monoclonal IgM with autoantibody activity against intermediate filaments. Dellagi K, et al. **Proc Natl Acad Sci USA** 1982 Jan;79(2):446–50
Identification of cytokeratin antigens in Novikoff ascites hepatoma. Schmidt WN, et al. **Proc Natl Acad Sci USA** 1982 May;79(10):3138–42

METABOLISM

Myelin basic protein in Alzheimer disease neuronal fractions and mammalian neurofilament preparations. Selkoe DJ, et al. **Ann Neurol** 1981 Nov;10(5):429–36
Intermediate filaments in synovial lining cells in rheumatoid arthritis and other arthritides are of vimentin type. Osung OA, et al. **Ann Rheum Dis** 1982 Feb;41(1):74–7
Skeletal association of the cholera toxin receptor in rat erythrocytes. Sahyoun N, et al. **Biochem Biophys Res Commun** 1981 Oct 30;102(4):1216–22
Evidence for cytoskeletal associations of the adenylate cyclase system obtained by differential extraction of rat erythrocyte ghosts. Sahyoun NE, et al. **Biochem Biophys Res Commun** 1981 Aug 14;101(3):1003–10
Increased filamentous actin in islets of Langerhans from fasted hamsters. Snabes MC, et al. **Biochem Biophys Res Commun** 1982 Jan 15;104(1):207–11
The influence of pressure on the self–assembly of the thick filament from the myosin of vertebrate skeletal muscle. Davis JS. **Biochem J** 198. Aug 1;197(2):301–8
Pressure–jump studies on the length–regulation kinetics of the self–assembly of myosin from vertebrate skeletal muscle into thick filament. Davis JS. **Biochem J** 1981 Aug 1; 197(2):309–14
The location of phosphorylation sites and Ca2+–dependent proteolytic cleavage sites on the major neurofilament polypeptides from Myxicola infundibulum. Eagles PA, et al. **Biochem J** 1981 Oct 1;199(1):101–11
Potentiated state of the tropomyosin actin filament and nucleotide–containing myosin subfragment 1. Murray JM, et al. **Biochemistry** 1982 Mar 2;21(5):906–15
Dynamics of membrane–cytoskeleton interactions in activated blood platelets. Pribluda V, et al. **Biochemistry** 1982 Jun 8;21(12):2825–32
Association of membrane and cytoplasmic proteins with the cytoskeleton in blood platelets. Rotman A, et al. **Biochemistry** 1982 Apr 13;21(8):1713–9
Nucleation of actin polymerization from profilactin. Opposite effects of different nuclei. Markey F, et al. **Biochim Biophys Acta** 1982 May 21;704(1):43–51
Induction of neurofilament triplet proteins in PC12 cells by nerve growth factor. Lee V, et al. **Brain Res** 1982 Apr 22;238(1):169–80
An alteration in the phosphorylation of vimentin–type intermediate filaments is associated with mitosis in cultured mammalian cells. Evans RM, et al. **Cell** 1982 May; 29(1):43–52
Isolation of calcium–dependent platelet proteins that interact with actin. Wang LL, et al. **Cell** 1981 Sep;25(3):637–49
High–affinity interaction of vinculin with actin filaments in vitro. Wilkins JA, et al. **Cell** 1982 Jan;28(1):83–90
A new small (40 kd) keratin filament protein made by some cultured human squamous cell carcinomas. Wu YJ, et al. **Cell** 1981 Sep;25(3):627–35
Involvement of vinculin in contact–induced cytoskeletal interactions. Geiger B. **Cold Spring Harbor Symp Quant Biol** 1982;46 (Pt 2):671–82
Cytoskeletal targets for viral transforming proteins with tyrosine protein kinase activity. Sefton BM, et al. **Cold Spring Harbor Symp Quant Biol** 1982;46 (Pt 2):939–51
Control of assembly of Dictyostelium myosin and actin filaments. Spudich JA, et al. **Cold Spring Harbor Symp Quant Biol** 1982;46 (Pt 2):553–61
Ultrastructural localization of neurofilament proteins in aluminum–induced neurofibrillary tangles and rat cerebellum by immunoperoxidase labeling. Dahl D, et al. **Dev Neurosci** 1982;5(1):54–63
Isolation from thyroid cells or purified plasma membranes with associated actin microfilaments. Proteins bound to actin. Regnouf F, et al. **Eur J Biochem** 1982 Feb; 122(1):153–61
The intracellular localization of the microvillus 110K protein, a component considered to be involved in side–on membrane attachment of F–actin. Glenney JR Jr, et al. **Exp Cell Res** 1982 Mar;138(1):199–205
Intermediate filament systems are collapsed onto the nuclear surface after isolation of nuclei from tissue culture cells. Staufenbiel M, et al. **Exp Cell Res** 1982 Mar;138(1):207–14
The cholera toxin receptor ganglioside GM remains associated with triton X–100 cytoskeletons of BALB/c–3T3 cells. Streuli CH, et al. **Exp Cell Res** 1981 Dec;136(2):247–54
Role of valence and the cytoskeleton in the insulin–like activity of concanavalin A. Kahn CR, et al. **FEBS Lett** 1981 Jun 29;129(1):131–4
Multiple phosphorylation sites in mammalian neurofilament polypeptides. Julien JP, et al. **J Biol Chem** 1982 Sep 10; 257(17):10467–70
Neurofilament protein phosphorylation. Species generality and reaction characteristics. Shecket G, et al. **J Biol Chem** 1982 May 10;257(9):4788–95
The molecular basis for membrane – cytoskeleton association in human erythrocytes. Bennett V. **J Cell Biochem** 1982; 18(1):49–65 (100 ref.)
Assembly of keratin onto PtK1 cytoskeletons: evidence for an intermediate filament organizing center. Eckert BS, et al. **J Cell Biol** 1982 Feb;92(2):575–8
Two Drosophila melanogaster proteins related to intermediate filament proteins of vertebrate cells. Falkner FG, et al. **J Cell Biol** 1981 Oct;91(1):175–83
Expression and distribution of vimentin and keratin filaments in heterokaryons of human fibroblasts and amnion epithelial

cells. Laurila P, et al. **J Cell Biol** 1982 Aug;94(2):308–15
Preferential phosphorylation of the 150,000 molecular weight component of neurofilaments by a cyclic AMP-dependent, microtubule-associated protein kinase. Leterrier JF, et al. **J Cell Biol** 1981 Sep;90(3):755–60
Partial reconstruction of the microvillus core bundle: characterization of villin as a Ca++-dependent, actin-bundling/depolymerizing protein. Matsudaira PT, et al. **J Cell Biol** 1982 Mar;92(3):648–56
Actin filaments undergo limited subunit exchange in physiological salt conditions. Pardee JD, et al. **J Cell Biol** 1982 Aug;94(2):316–24
Actin filaments elongate from their membrane-associated ends. Tilney LG, et al. **J Cell Biol** 1981 Aug;90(2):485–94
Ligand-induced association of surface immunoglobulin with the detergent-insoluble cytoskeletal matrix of the B lymphocyte. Braun J, et al. **J Immunol** 1982 Mar; 128(3):1198–204
Actin polymerization induced by chemotactic peptide and concanavalin A in rat neutrophils. Rao KM, et al. **J Immunol** 1982 Oct;129(4):1605–7
Reorganization of the cytoskeleton by interferon in MSV-transformed cells. Bourgeade MF, et al. **J Interferon Res** 1981 Feb;1(2):323–32
Redistribution of intermediate filaments during capping of lymphocyte surface molecules. Dellagi K, et al. **Nature** 1982 Jul 15;298(5871):284–6
Acumentin, a protein in macrophages which caps the 'pointed' end of action filaments. Southwick FS, et al. **Nature** 1982 May 27;297(5864):303–7
Spontaneous fragmentation of actin filaments in physiological conditions. Wegner A. **Nature** 1982 Mar 18;296(5854):266–7
In vivo phosphorylation of neurofilament proteins in the central nervous system of immature rat and rabbit. Honchar MP, et al. **Neurochem Res** 1982 Apr;7(4):365–72
Tropomyosin is decreased in transformed cells. Hendricks M, et al. **Proc Natl Acad Sci USA** 1981 Sep;78(9):5633–7
Microtubules and microfilaments in fixed and permeabilized cells are selectively decorated by nerve growth factor. Nasi S, et al. **Proc Natl Acad Sci USA** 1982 Feb;79(3):820–4
Lenticular intermediate-sized filaments: biosynthesis and interaction with plasma membrane. Ramaekers FC, et al. **Proc Natl Acad Sci USA** 1982 May;79(10):3208–12
Characterization of a class of cationic proteins that specifically interact with intermediate filaments. Steinert PM, et al. **Proc Natl Acad Sci USA** 1981 Jul;78(7):4097–101
Exchange of 1,N6-etheno-ATP with actin-bound nucleotides as a tool for studying the steady-state exchange of subunits in F-actin solutions. Wang YL, et al. **Proc Natl Acad Sci USA** 1981 Sep;78(9):5503–7
Association of a Mr 50,000 cap-binding protein with the cytoskeleton in baby hamster kidney cells. Zumbé A, et al. **Proc Natl Acad Sci USA** 1982 May;79(9):2927–31
The interaction of mammalian reoviruses with the cytoskeleton of monkey kidney CV-1 cells. Sharpe AH, et al. **Virology** 1982 Jul 30;120(2):399–411

PHYSIOLOGY

Membrane beta-receptors: interaction with cytoskeleton in chloride secretory systems. Cherksey BD, et al. **Ann NY Acad Sci** 1981;372:309–31
Regulation of the cytoskeleton by Ca2+-calmodulin and cAMP. Means AR, et al. **Ann NY Acad Sci** 1982;383:69–84 (63 ref.)
Microtubules and microfilaments in HSV-Infected rabbit-kidney cells. Heeg U, et al. **Arch Virol** 1981; 70(3):233–46
Movement by non-actin filament mechanisms. Cachon J, et al. **Biosystems** 1981;14(3–4):313–26
The myoneme of the Acantharia (Protozoa): A new model of cellular motility. Febvre J. **Biosystems** 1981; 14(3–4):327–36
Is the perinuclear position of the centriole maintained by the intermediate filament network? Nelson WJ, et al. **Cell Biol Int Rep** 1982 Mar;6(3):215–23
Effects of high concentrations of secretagogues on the morphology and secretory activity of the pancreas: a role for microfilaments. Burnham DB, et al. **Cell Tissue Res** 1982 Jan;222(1):201–12
Characterization and ultrastructural role of the major components of the intestinal microvillus cytoskeleton. Bretscher A. **Cold Spring Harbor Symp Quant Biol** 1982; 46 (Pt 2):871–9 (24 ref.)
Differentiation-related patterns of expression of proteins of intermediate-size filaments in tissues and cultured cells. Franke WW, et al. **Cold Spring Harbor Symp Quant Biol** 1982;46 (Pt 1):431–53
Active movement of bundles of actin and myosin filaments from muscle: a simple model for cell motility. Higashi-Fujime S. **Cold Spring Harbor Symp Quant Biol** 1982;46 (Pt 1):69–75
Intermediate-size filaments: changes in synthesis and distribution in cells of the myogenic and neurogenic lineages. Holtzer H, et al. **Cold Spring Harbor Symp Quant Biol** 1982;46 (Pt 1):317–29
Epithelial tonofilaments: investigating their form and function using monoclonal antibodies. Lane EB, et al. **Cold Spring Harbor Symp Quant Biol** 1982;46 (Pt 1):387–402
Chemistry and biology of neuronal and glial intermediate filaments. Leim RK, et al. **Cold Spring Harbor Symp Quant Biol** 1982;46 (Pt 1):341–50
Regulation of contractility, cytoskeletal structure, and filament assembly in the brush border of intestinal epithelial cells. Mooseker MS, et al. **Cold Spring Harbor Symp Quant Biol** 1982;46 (Pt 2):855–70
Heterogeneity of intermediate filaments assembled in vitro. Steinert P, et al. **Cold Spring Harbor Symp Quant Biol** 1982; 46 (Pt 1):465–74
Function of cytoplasmic fibers in syncytia. Wang E, et al. **Cold Spring Harbor Symp Quant Biol** 1982;46 (Pt 2):997–1012
Microtubules, microfilaments and insulin-secretion. Howell SL, et al. **Diabetologia** 1982 May;22(5):301–8 (54 ref.)
Endoplasmic veins from plasmodia of Physarum polycephalum: a new strand model defined age, structure, and behavior. Baranowski Z, et al. **Eur J Cell Biol** 1982 Apr;27(1):1–9
Differentiation of the myofibrils and the intermediate filament system during postnatal development of the rat heart. Carlsson E, et al. **Eur J Cell Biol** 1982 Apr;27(1):62–73
Capping of surface immunoglobulin on rabbit and mouse lymphocytes. II. Cytoskeletal involvement in different subpopulations. de Groot C, et al. **Eur J Cell Biol** 1981 Aug;25(1):202–11
Coiling of intermediate filaments induced by microinjection of a vimentin-specific antibody does not interfere with locomotion and mitosis. Gawlitta W, et al. **Eur J Cell Biol** 1981 Dec;26(1):83–90
A rotation model for microtubule and filament sliding. Jarosch R, et al. **Eur J Cell Biol** 1982 Feb;26(2):295–302
Microfilament patterns in the developing chick eye: their role in invaginations. Maloney C, et al. **Exp Eye Res** 1982 Jun; 34(6):877–86
Analysis of tissue interactions in chick eye morphogenesis using cytochalasin B. Maloney C, et al. **Exp Eye Res** 1982 Jul;35(1):77–87
Culture-produced subendothelium. I. Platelet interaction and properties. Booyse FM, et al. **Haemostasis** 1982;11(1):49–61
Microinjection of fluorescently labeled proteins into living cells with emphasis on cytoskeletal proteins. Kreis TE, et al. **Int Rev Cytol** 1982;75:209–14 (107 ref.)
Occluding junctions in MDCK cells: modulation of transepithelial permeability by the cytoskeleton. Meza I, et al. **J Cell Biochem** 1982;18(4):407–21
A change in twist of actin provides the force for the extension of the acrosomal process in Limulus sperm: the false-discharge reaction. DeRosier DJ, et al. **J Cell Biol** 1982 May;93(2):324–37
Demonstration of contractility of circumferential actin bundles and its morphogenetic significance in pigmented epithelium in vitro and in vivo. Owaribe K, et al. **J Cell Biol** 1981 Aug;90(2):507–14
Cytoskeleton-secretory vesicle interactions during the docking of secretory vesicles at the cell membrane in Paramecium tetraurelia cells. Plattner H, et al. **J Cell Biol** 1982 Feb;92(2):368–77
Interaction of the cytoskeletal framework with acetylcholine receptor on th surface of embryonic muscle cells in culture. Prives J, et al. **J Cell Biol** 1982 Jan;92(1):231–6
Microfilament-mediated surface change in starfish oocytes in response to 1-methyladenine: implications for identifying the pathway and receptor sites for maturation-inducing hormones. Schroeder TE. **J Cell Biol** 1981 Aug; 90(2):362–71
Transmembrane linkage between surface glycoproteins and components of the cytoplasm in neutrophil leukocytes. Sheterline P, et al. **J Cell Biol** 1981 Sep;90(3):743–54
Enhanced molecular diffusibility in muscle membrane blebs: release of lateral constraints. Tank DW, et al. **J Cell Biol** 1982 Jan;92(1):207–12
A rotating myosin filament theory of muscular contraction. Obendorf P. **J Theor Biol** 1981 Dec 7;93(3):667–80
The cytoskeleton. Part B. Biological systems and in vitro models. **Methods Cell Biol** 1982;25 Pt B:1–408
Axonal transport: a cell-biological method for studying proteins that associate with the cytoskeleton. Brady ST, et al. **Methods Cell Biol** 1982;25 Pt B:365–98
Macrophages: their use in elucidation of the cytoskeletal roles of actin. Hartwig JH, et al. **Methods Cell Biol** 1982;25 Pt B:201–25
The role of microtubules and microfilaments in lysosomal enzyme release from polymorphonuclear leukocytes. Hoffstein ST. **Methods Cell Biol** 1981;23:259–82
Acanthamoeba castellanii: methods and perspectives for study of cytoskeleton proteins. Korn ED. **Methods Cell Biol** 1982;25 Pt B:313–32
Actin filaments and secretion: the macrophage model. Stossel TP. **Methods Cell Biol** 1981;23:215–30 (81 ref.)
Are stress fibres contractile? [news] Burridge K. **Nature** 1981 Dec 24;294(5843):691–2
Focus on filaments: embryology to pathology [news] Lane B, et al. **Nature** 1982 Aug 19;298(5876):706–7
Association of microtubules and intermediate filaments in normal fibroblasts and its disruption upon transformation by a temperature-sensitive mutant of Rous sarcoma virus. Ball EH, et al. **Proc Natl Acad Sci USA** 1981 Nov; 78(11):6986–90
Microtubules and microfilaments during cell spreading and colony formation in PK 15 epithelial cells. Connolly JA, et al. **Proc Natl Acad Sci USA** 1981 Nov;78(11):6922–6
Microfilament or microtubule assembly or disassembly against a force. Hill TL. **Proc Natl Acad Sci USA** 1981 Sep;78(9):5613–7
Subunit treadmilling of microtubules or actin in the presence of cellular barriers: possible conversion of chemical free energy into mechanical work. Hill TL, et al. **Proc Natl Acad Sci USA** 1982 Jan;79(2):490–4
Interferon increases the abundance of submembranous microfilaments in HeLa-S3 cells in suspension culture. Wang E, et al. **Proc Natl Acad Sci USA** 1981 Oct; 78(10):6281–5
The role of the cytoskeleton and related components in normal and neoplastic prostatic epithelium. Trump BF, et al. **Prog Clin Biol Res** 1981;75A:25–53
Molecular interactions governing red cell membrane structure. Tyler JM, et al. **Prog Clin Biol Res** 1981;56:79–93
Sodium and calcium regulation and the role of the cytoskeleton in the pathogenesis of disease: a review and hypothesis. Trump BF, et al. **Scan Electron Microsc** 1981; (Pt 2):435–54, 434 (141 ref.)
The arrangement of the Golgi complex beads is not controlled by the cytoskeleton. Brodie DA. **Tissue Cell** 1982;14(2):263–71

ULTRASTRUCTURE

Molecular arrangement of troponin-tropomyosin in the thin filament. Ohtsuki I, et al. **Adv Biophys (Tokyo)** 1982; 15:93–130 (103 ref.)
Perinuclear filaments in promyelocytic leukemia [letter] Savage RA, et al. **Am J Clin Pathol** 1982 Jan;77(1):117–9
Paranuclear microfilaments in multiple myeloma associated with the presence of free light chains. Arkin CF, et al. **Ann Clin Lab Sci** 1981 Nov-Dec;11(6):506–10
The structure of microtubules. Linck RW. **Ann NY Acad Sci** 1982;383:98–121 (53 ref.)
Actin distribution and synthesis in human fibroblasts infected by cytomegalovirus. Lösse D, et al. **Arch Virol** 1982; 71(4):353–9
Distribution of actin and myosin in a rat neuronal cell line infected with herpes simplex virus. Winkler M, et al. **Arch Virol** 1982;72(1–2):95–103
Purification of individual components of the neurofilament triplet: filament assembly from the 70 000-dalton subunit. Liem RK, et al. **Biochemistry** 1982 Jun 22;21(13):3221–6
Association of phenotypic reversion of transformed cells induced by interferon with morphological and biochemical changes in the cytoskeleton. Brouty-Boyé D, et al. **Cancer Res** 1981 Oct;41(10):4174–84
A rapid technique for the visualization of cytoskeletal elements using cationized ferritin. Ben-Ze'ev A, et al. **Cell Biol Int Rep** 1981 Dec;5(12):1127–35
Filament patterns associated with in vitro motility of human carcinoma cells. Haemmerli G, et al. **Cell Biol Int Rep** 1982 May;6(5):471–87
Arcs: curved microfilament bundles beneath the dorsal surface of the leading lamellae of moving chick embryo fibroblasts. Heath JP. **Cell Biol Int Rep** 1981 Oct; 5(10):975–80
Novel features of the plant cytoskeleton. Lloyd CW, et al. **Cell Biol Int Rep** 1982 Feb;6(2):171–5
Demonstration of actin filaments in sponge cells. Pavans de Ceccatty M. **Cell Biol Int Rep** 1981 Oct;5(10):945–52
Less membrane-associated actin in transformed versus normal rat kidney cells. Rubin RW, et al. **Cell Biol Int Rep** 1982 Feb;6(2):177–87
Lateral apertures as passage-ways between ectoplasm and endoplasm in plasmodial strands of Physarum. Wohlfarth-Bottermann KE, et al. **Cell Biol Int Rep** 1982 Jan;6(1):57–61
A labile, Ca2+-dependent cytoskeleton in rhabdomeral microvilli of blowflies. Blest AD, et al. **Cell Tissue Res** 1982;223(3):553–73
Distribution of intermediate filaments in amphibian oxyntic cells. Biochemical and immunological characterization. Dabiké M, et al. **Cell Tissue Res** 1981;220(4):725–37
The contractile apparatus of striated muscle in the course of atrophy and regeneration. I. Myosin and actin filaments in the denervated rat soleus. Jakubiec-Puka A, et al. **Cell Tissue Res** 1981;220(3):651–63
Distribution and polarity of actin in the sensory hair cells of the chinchilla cochlea. Slepecky N, et al. **Cell Tissue Res** 1982;224(1):15–24
Spatial organization and fine structure of the cortical filament layer in normal locomoting Amoeba proteus. Stockem W, et al. **Cell Tissue Res** 1982;221(3):505–19
Intermediate filaments in a human medulloblastoma cell strain. Ammirati M, et al. **Childs Brain** 1982;9(2):85–94
Structure of vimentin 10-nm filaments probed with a monoclonal antibody that recognizes a common antigenic determinant on vimentin and tropomyosin. Blose SH, et al. **Cold Spring Harbor Symp Quant Biol** 1982;46 (Pt 1):455–63
In vivo disruption of the cytokeratin cytoskeleton in cultured epithelial cells by microinjection of antikeratin: evidence for the presence of an intermediate-filament-organizing center. Eckert BS, et al. **Cold Spring Harbor Symp Quant Biol** 1982;46 (Pt 1):403–12
Relationships between microfilaments, cell-substratum adhesion, and fibronectin. Hynes RO, et al. **Cold Spring Harbor Symp Quant Biol** 1982;46 (Pt 2):659–70
Vinculin and alpha-actinin: interaction with actin and effect on microfilament network formation. Jockusch BM, et al. **Cold Spring Harbor Symp Quant Biol** 1982;46 (Pt 2):613–23
Regulation of myosin-filament assembly by light-chain phosphorylation. Kendrick-Jones J, et al.

Cold Spring Harbor Symp Quant Biol 1982;46 (Pt 2):929–38
Desmin- and vimentin-containing filaments and their role inthe assembly of the Z disk in muscle cells. Lazarides E, et al. **Cold Spring Harbor Symp Quant Biol** 1982;46 (Pt 1):351–78
Mapping structural proteins of cultured cells by monoclonal antibodies. Lin JJ.
Cold Spring Harbor Symp Quant Biol 1982;46 (Pt 2):769–83
Proteins and complexes that affect actin-filament assembly and interactions. Lin S, et al.
Cold Spring Harbor Symp Quant Biol 1982;46 (Pt 2):625–32
Structure and function of the brush-border cytoskeleton. Matsudaira PT, et al.
Cold Spring Harbor Symp Quant Biol 1982;46 (Pt 2):845–54
Intermediate filaments. Osborn M, et al.
Cold Spring Harbor Symp Quant Biol 1982;46 (Pt 1):413–29
Use of antibodies to intermediate filaments in the characterization of human tumors. Ramaekers FC, et al.
Cold Spring Harbor Symp Quant Biol 1982;46 (Pt 1):331–9
Formation of an ATP-dependent microtubule–neurofilament complex in vitro. Runge MS, et al.
Cold Spring Harbor Symp Quant Biol 1982;46 (Pt 1):483–93
Immunolabeling studies of cytoskeletal association in cultured cells. Singer SJ, et al.
Cold Spring Harbor Symp Quant Biol 1982;46 (Pt 1):303–16
Organization of actin meshworks in cultured cells: the leading edge. Small JV, et al.
Cold Spring Harbor Symp Quant Biol 1982;46 (Pt 2):599–611
Fine structure and organization of microfilaments in Physarum as revealed by chemofixation and freeze-etching. Wohlfarth-Bottermann KE, et al.
Cold Spring Harbor Symp Quant Biol 1982;46 (Pt 1):89–100
Relation of cytoplasmic alkalinization to microvillar elongation and microfilament formation in the sea urchin egg. Carron CP, et al. **Dev Biol** 1982 Jan;89(1):128–37
The effects of cytoskeleton inhibitors on cytoplasmic localization in Chaetopterus pergamentaceus. Eckberg WR. **Differentiation** 1981;19(1):55–8
Formation of cytoskeletal elements during mouse embryogenesis. II. Epithelial differentiation and intermediate-sized filaments in early postimplantation embryos. Jackson BW, et al. **Differentiation** 1981; 20(3):203–16
An unusual type of cytokeratin filament in cells of a human cloacogenic carcinoma derived from the anorectal transition zone. Moll R, et al. **Differentiation** 1982; 22(1):25–40
A reversible change in the functional organization of thin filaments in smooth muscle fibers. Cooke P. **Eur J Cell Biol** 1982 Apr;27(1):55–61
Tannic acid mordanting of a meiotic spindle: no evidence for a microfilament system. Fuge H. **Eur J Cell Biol** 1981 Aug;25(1):90–4
Electron microscopic characterization of intermediate filaments in rat liver parenchymal cells. Jahn W. **Eur J Cell Biol** 1982 Feb;26(2):259–64
In vivo studies of actin-containing cytoskeletal abnormalities in neoplastic cells. McNutt NS. **Eur J Cell Biol** 1981 Aug; 25(1):218–22
Disassembly of synthetic 10-nm desmin filaments from smooth muscle into protofilaments. Stromer MH, et al. **Eur J Cell Biol** 1981 Aug;25(1):136–43
Vimentin filaments in cultured endothelial cells form butyrate-sensitive juxtanuclear masses after repeated subculture. Hormia M, et al. **Exp Cell Res** 1982 Mar; 138(1):159–66
Reorganization of arrays of prekeratin filaments during mitosis. Immunofluorescence microscopy with multiclonal and monoclonal prekeratin antibodies. Horwitz B, et al. **Exp Cell Res** 1981 Aug;134(2):281–90
Morphology and microfilament organization in human blood lymphocytes. II. Development of substrate-attached projections in T lymphocytes. Otteskog P, et al. **Exp Cell Res** 1982 Jan;137(1):111–9
Contact relationships between chick embryo cells growing in monolayer culture after infection with Rous sarcoma virus. Pegrum SM. **Exp Cell Res** 1982 Mar;138(1):147–57
Cytochalasin B-induced alterations of insulin binding and microfilament organization in cultured fibroblasts. Raizada MK, et al. **Exp Cell Res** 1981 Dec;136(2):335–41
Immunoelectronmicroscopical localization of the three neurofilament triplet proteins along neurofilaments of cultured dorsal root ganglion neurones. Sharp GA, et al. **Exp Cell Res** 1982 Feb;137(2):403–13
Thyrotropin induces changes in the morphology and the organization of microfilament structures in cultured thyroid cells. Tramontano D, et al. **Exp Cell Res** 1982 Feb; 137(2):269–72
Cytoplasmic network arrays demonstrated by immunolocalization using antibodies to a high molecular weight protein present in cytoskeletal preparations from cultured cells. Wiche G, et al. **Exp Cell Res** 1982 Mar; 138(1):15–29
Cytoskeleton of rat neoplastic cells of spontaneous origin and their derivatives after supertransformation with avian sarcoma virus B77 in vitro. Bershadsky AD, et al. **Folia Biol (Praha)** 1982;28(3):177–84
Intermediate filaments in arterial smooth muscle cells: fine structure, origin and development. Chaldakov GN, et al. **Folia Morphol (Praha)** 1981;29(4):364–6
Morphologic study of intermediate filaments in rat hepatocytes. French SW, et al. **Hepatology** 1982 Jan-Feb; 2(1):29–38
Myofilament-polyribosome association in muscle cells of rat left atrium after short-term hypertension. Aguas AP, et al. **Hypertension** 1981 Nov-Dec;3(6):725–9
Ultrastructural histochemistry of oral leukoplakia in relation to tonofilament orientation. Kandarkar SV, et al. **Indian J Cancer** 1981 Dec;18(4):235–40
Three-dimensional image analysis of the complex of thin filaments and myosin molecules from skeletal muscle. III. The multi-domain structure of actin-heavy meromyosin complex. Katayama E, et al. **J Biochem (Tokyo)** 1981 Sep; 90(3):703–14
Three-dimensional image analysis of the complex of thin filaments and myosin molecules from skeletal muscle. II. The multi-domain structure of actin-myosin S1 complex. Wakabayashi T, et al. **J Biochem (Tokyo)** 1981 Sep; 90(3):683–701
On the dynamics of the microfilament system in HeLa cells. Blikstad I, et al. **J Cell Biol** 1982 Apr;93(1):122–8
Immunoelectron microscope studies of membrane-microfilament interactions: distributions of alpha-actinin, tropomyosin, and vinculin in intestinal epithelial brush border and chicken gizzard smooth muscle cells. Geiger B, et al. **J Cell Biol** 1981 Dec;91(3 Pt 1):614–28
Filamentous structures in adherent Mycoplasma pneumoniae cells treated with nonionic detergents. Göbel U, et al. **J Cell Biol** 1981 Nov;91(2 Pt 1):537–43
Synemin and vimentin are components of intermediate filaments in avian erythrocytes. Granger BL, et al. **J Cell Biol** 1982 Feb;92(2):299–312
Cytoskeletal organization at the postsynaptic complex. Gulley RL, et al. **J Cell Biol** 1981 Oct;91(1):298–302
Organization of actin, myosin, and intermediate filaments in the brush border of intestinal epithelial cells. Hirokawa N, et al. **J Cell Biol** 1982 Aug;94(2):425–43
Quick-freeze, deep-etch visualization of the cytoskeleton beneath surface differentiations of intestinal epithelial cells. Hirokawa N, et al. **J Cell Biol** 1981 Nov;91(2 Pt 1):399–409
An electron microscopic and optical diffraction analysis of the structure of Limulus telson muscle thick filaments. Kensler RW, et al. **J Cell Biol** 1982 Feb;92(2):443–51
Organization of the cross-filaments in intestinal microvilli. Matsudaira PT, et al. **J Cell Biol** 1982 Mar;92(3):657–64
Stable polymers of the axonal cytoskeleton: the axoplasmic ghost. Morris JR, et al. **J Cell Biol** 1982 Jan;92(1):192–8
Concanavalin A induces interactions between surface glycoproteins and the platelet cytoskeleton. Painter RG, et al. **J Cell Biol** 1982 Feb;92(2):565–73
Microtubule-associated proteins (MAPs) and the organization of actin filaments in vitro. Sattilaro RF, et al. **J Cell Biol** 1981 Aug;90(2):467–73
Association of fibronectin and vinculin with focal contacts and stress fibers in stationary hamster fibroblasts. Singer II. **J Cell Biol** 1982 Feb;92(2):398–408
Organization of actin in the leading edge of cultured cells: influence of osmium tetroxide and dehydration on the ultrastructure of actin meshworks. Small JV. **J Cell Biol** 1981 Dec;91(3 Pt 1):695–705
Response of basal epithelial cell surface and Cytoskeleton to solubilized extracellular matrix molecules. Sugrue SP, et al. **J Cell Biol** 1981 Oct;91(1):45–54
Polygonal networks in living chick embryonic cells. Ireland GW, et al. **J Cell Sci** 1981 Dec;52:55–69
Cytoskeleton-related structures in tetrahymena thermophila: microfilaments at the apical and division-furrow rings. Jerka-Dziadosz M. **J Cell Sci** 1981 Oct;51:241–53
The relationship of fibroblast translocations to cell morphology and stress fibre density. Lewis L, et al. **J Cell Sci** 1982 Feb;53:21–36
Expression of intermediate filaments in cultured cells. Virtanen I, et al. **J Cell Sci** 1981 Aug;50:45–63
Motile apparatus in Vallisneria leaf cells. I. Organization of microfilaments. Yamaguchi Y, et al. **J Cell Sci** 1981 Apr; 48:193–205
Bundles of intermediate filaments in early postimplantation rat embryos. Takeuchi IK. **J Electron Microsc (Tokyo)** 1981;30(1):72–6
Fluorescent observations on the stress fiber system of neural crest cells after con A treatment. A simple, quick, fluorescent method. Moran D. **J Exp Zool** 1981 Aug; 217(2):297–301
Histochemical and ultrastructural characterization of subendothelial glycoprotein microfibrils interacting with platelets. Birembaut P, et al. **J Histochem Cytochem** 1982 Jan;30(1):75–80
Effect of substrate on freeze-dried and shadowed protein structures. Trinick J, et al. **J Microsc** 1982 May;126(Pt 2):151–6
Self-assembly in Vitro of the 68,000 molecular weight component of the mammalian neurofilament triplet proteins into intermediate-sized filaments. Geisler N, et al. **J Mol Biol** 1981 Sep 25;151(3):565–71
Three-dimensional structure of the vertebrate muscle A-band. III. M-region structure and myosin filament symmetry. Luther PK, et al. **J Mol Biol** 1981 Oct 5; 151(4):703–30
Arrangement of cross-bridges in insect flight muscle in rigor. Offer G, et al. **J Mol Biol** 1981 Oct 5;151(4):663–702
The myosin filament. IX. Determination of subfilament positions by computer processing of electron micrographs. Stewart m, et al. **J Mol Biol** 198: Dec 5;153(2):381–92
End-filaments: a new structural element of vertebrate skeletal muscle thick filaments. Trinick JA. **J Mol Biol** 1981 Sep 15;151(2):309–14
Intermediate filaments of Schwann cells. Autilio-Gambetti L, et al. **J Neurochem** 1982 Mar;38(3):774–80
Separation of neurofilaments from ATPase activity by precipitation with anti-neurofilament antibodies. Glicksman MA, et al. **J Neurochem** 1982 Jun;38(6):1774–6
Three sets of actin filaments in sensory cells of the inner ear. Identification and functional orientation determined by gel electrophoresis, immunofluorescence and electron microscopy. Flock A, et al. **J Neurocytol** 1981 Feb; 10(1):133–47
Microfilament reorganization in normal and cytochalasin B treated adherent thrombocytes. Taylor RG, et al. **J Supramol Struct Cell Biochem** 1981;16(3):209–20
Electron microscopy of nematode thick filaments. MacKenzie JM Jr, et al. **J Ultrastruct Res** 1981 Sep; 76(3):277–85
Filamentous networks in crane-fly spermatocytes: osmotic lysis of cell monolayers attached to poly-L-lysine-derivatized coverslips. Strauch AR, et al. **J Ultrastruct Res** 1982 May;79(2):223–34
The ultrastructure of the erythrocyte cytoskeleton at neutral and reduced pH. Timme AH. **J Ultrastruct Res** 1981 Nov; 77(2):199–209
Investigations of cytoplasmic contractile and cytoskeletal elements in the kidney glomerulus. Andrews PM. **Kidney Int** 1981 Nov;20(5):549–62
Biochemical and immunocytochemical analysis of the intermediate filament cytoskeleton in human hepatocellular carcinomas and in hepatic neoplastic nodules of mice. Denk H, et al. **Lab Invest** 1982 Jun;46(6):584–96
The cytoskeleton. Part A. Cytoskeletal proteins, isolation and characterization. **Methods Cell Biol** 1982;24 Pt A:1–427
The cytoskeleton: a perspective. Brinkley BR. **Methods Cell Biol** 1982;24 Pt A:1–8
Actin localization within cells by electron microscopy. Forer A. **Methods Cell Biol** 1982;25 Pt B:131–42
A falling ball apparatus to measure filament cross-linking. Pollard TD. **Methods Cell Biol** 1982;24 Pt A:301–11
Isolation and characterization of intermediate filaments. Steinert P, et al. **Methods Cell Biol** 1982;24 Pt A:399–419
Fluorescent analog cytochemistry of contractile proteins. Wang YL, et al. **Methods Cell Biol** 1982;25 Pt B:1–11
Polyamine starvation causes disappearance of actin filaments and microtubules in polyamine-auxotrophic CHO cells. Pohjanpelto P, et al. **Nature** 1981 Oct 8;293(5832):475–7
Fibronectin in adhesion, spreading and cytoskeletal organization of cultured fibroblasts. Virtanen I, et al. **Nature** 1982 Aug 12;298(5875):660–3
Actin-binding proteins--regulators of cell architecture and motility. Weeds A. **Nature** 1982 Apr 29;296(5860):811–6
Calcium-mediated breakdown of glial filaments and neurofilaments in rat optic nerve and spinal cord. Schlaepfer WW, et al. **Neurochem Res** 1981 Mar; 6(3):243–55
Giant axonal neuropathy: intermediate filament aggregates in cultured skin fibroblasts. Pena SD. **Neurology (NY)** 1981 Nov;31(11):1470–3
Mitochondria are associated with microtubules and not with intermediate filaments in cultured fibroblasts. Ball EH, et al. **Proc Natl Acad Sci USA** 1982 Jan;79(1):123–6
Comparison of the proteins of two immunologically distinct intermediate-sized filaments by amino acid sequence analysis: desmin and vimentin. Geisler N, et al. **Proc Natl Acad Sci USA** 1981 Jul;78(7):4120–3
X-ray diffraction of strained muscle fibers in rigor. Naylor GR, et al. **Proc Natl Acad Sci USA** 1981 Sep;78(9):5559–63
Heteropolymer filaments of vimentin and desmin in vascular smooth muscle tissue and cultured baby hamster kidney cells demonstrated by chemical crosslinking. Quinlan RA, et al. **Proc Natl Acad Sci USA** 1982 Jun;79(11):3452–6
Stabilization and the cytoplasmic ground substance in detergent-opened cells and a structural and biochemical analysis of its composition. Schliwa M, et al. **Proc Natl Acad Sci USA** 1981 Jul;78(7):4329–33
Structure of fibroblastic intermediate filaments: analysis of scanning transmission electron microscopy. Steven AC, et al. **Proc Natl Acad Sci USA** 1982 May;79(10):3101–5
In vitro reconstitution of intermediate filaments form mammalian neurofilament triplet polypeptides. Zackroff RV, et al. **Proc Natl Acad Sci USA** 1982 Feb;79(3):754–7
The application of scanning electron microscopy to the study of the cytoskeleton of cells in culture. Bell PB Jr. **Scan Electron Microsc** 1981;(Pt 2):139–57 (51 ref.)
Bodian's silver method stains neurofilament polypeptides. Gambetti P, et al. **Science** 1981 Sep 25;213(4515):1521–2
Actin distribution patterns in the mouse neural tube during neurulation. Sadler TW, et al. **Science** 1982 Jan 8; 215(4529):172–4
Microfilamentous carcinoid of the thymus: correlation of ultrastructural study with Grimelius stain. Fetissof F, et al. **Ultrastruct Pathol** 1982 Jan-Mar;3(1):9–15
The distribution of keratin type intermediate filaments in human breast cancer. An immunohistological study. Altmannsberger M, et al. **Virchows Arch [Cell Pathol]** 1981; 37(3):277–84
Characterization of cytoskeletal components in epithelial and mesenchymal liver tumors by electron and immunofluorescence microscopy. Bannasch P, et al. **Virchows Arch [Cell Pathol]** 1981;36(2-3):139–58

Cytoskeleton in cells of the mononuclear phagocyte system. Immunofluorescence microscopic and electron microscopic studies. Cain H, et al. **Virchows Arch [Cell Pathol]** 1981; 36(2-3):159-76

Specific demonstration of actin and keratin filaments in pleomorphic adenomas by means of immunoelectron microscopy. Caselitz J, et al. **Virchows Arch [Pathol Anat]** 1981;393(2):153-8

Analysis of filament population in different stages of fish and amphibian myogenesis. Kilarski W, et al. **Z Mikrosk Anat Forsch** 1981;95(6):963-78

[Anatomofunctional aspects of odontoblast tonofilaments (ultrastructure)] Viti M, et al. **Minerva Stomatol** 1982 Jan-Feb;31(1):11-8 (Eng. Abstr.) **(Ita)**

[Functional significance of microtubules and microfilaments for cellular motility in cultured brain tumors (author's transl)] Koga H. **Neurol Med Chir (Tokyo)** 1981 Oct; 21(10):1009-15 (Eng. Abstr.) **(Jpn)**

[Observation method of intermediate filaments in cytoplasma of hepatocytes by electron microscopy (author's transl)] Kosaka Y, et al. **Nippon Shokakibyo Gakkai Zasshi** 1981 Jun;78(6):1311 **(Jpn)**

[Ultrastructural elements of the intracellular order] Groniowski J. **Patol Pol** 1981 Oct-Dec;32(4):449-60 (44 ref.) **(Pol)**

[Ultrastructure of actomyosin filaments] Kruchinina NG, et al. **Biofizika** 1982 Mar-Apr;27(2):233-6 (Eng. Abstr.) **(Rus)**

[Direct proof of the existence of Ca2+-induced structural changes in miosin-containing thick filaments of vertebrate skeletal muscles] Lednev VV, et al. **Biofizika** 1982 May-Jun;27(3):493-7 (Eng. Abstr.) **(Rus)**

[Heterogenous distribution of filamentous-tubular substance in the pathological synapses and axons of the central nervous system] Sotnikov OS, et al. **Biull Eksp Biol Med** 1982 Jan;93(1):91-5 **(Rus)**

[Simple method of detecting the centrioles and cytoskeleton in tissue culture cells by light microscopy] Chentsov IuS, et al. **Tsitologiia** 1982 Mar;24(3):243-7 **(Rus)**

CYTOPLASMIC GRANULES

Abnormal granulation and crystal-like structures in the erythroid cells in a case of multiple myeloma. Lelkes G, et al. **Haematologia (Budap)** 1981;14(2):151-7

Studies of murine large granular lymphocytes. II. Tissue, strain, and age distributions of LGL and LAL. Itoh K, et al. **J Immunol** 1982 Jul;129(1):395-405

Natural killer activity in the rat. II. Analysis of surface antigens on LGL by flow cytometry. Reynolds CW, et al. **J Immunol** 1981 Dec;127(6):2204-8

The poison gland in the centipede Otostigmus ceylonicus; morphology and cytochemistry. Nagpal N, et al. **Toxicon** 1981;19(6):898-902

ANALYSIS

Lipid patterns in vaginal cells exfoliated from different physiologic conditions. Lahiri T, et al. **Acta Cytol (Baltimore)** 1981 Sep-Oct;25(5):572-7

Comparative study of platelet dense granule constituents. Meyers KM, et al. **Am J Physiol** 1982 Sep;243(3):R454-61

The composition of intracellular granules from the metal-accumulating cells of the common garden snail (Helix aspersa). Howard B, et al. **Biochem J** 1981 Feb 15; 194(2):507-11

The molecular composition of the volutin granule of yeast. Jacobson L, et al. **Biochem J** 1982 Mar 1;201(3):473-9

Evidence for release of soluble, but not of membrane-integrated, proteins from human platelet alpha-granules. Gogstad GO, et al. **Biochim Biophys Acta** 1982 Mar 18;702(1):81-9

A morphological and electron-microprobe study of the inorganic composition of the mineralized secretory products of the calciferous gland and chloragogenous. Morgan AJ. **Cell Tissue Res** 1981;220(4):829-44

Search for a progesterone-binding protein in secretory granules of the ovine corpus luteum. Sernia C, et al. **Endocrinology** 1982 Jun;110(6):2151-8

Secretory granules of murine salivary glands. A morphological, biochemical and morphological, biochemical and immunochemical study of submandibular and parotid granules. Nieuw Amerongen AV, et al. **J Biol Buccale** 1982 Mar;10(1):11-30

Cyanobacterial phycobilisomes. Role of the linker polypeptides in the assembly of phycocyanin. Yu MH, et al. **J Biol Chem** 1982 Apr 10;257(7):3429-33

An immunofluorescent method for specific staining of eosinophil granule major basic protein. Filley WV, et al. **J Immunol Methods** 1981;47(2):227-38

HPLC analysis of neurophysin proteins from neurosecretory granules. Schwandt P, et al. **J Neurochem** 1982 Aug; 39(2):357-9

Evidence that extracellular glycoconjugates interact with prolactin granules during exocytosis in lactating rat adenohypophyses. Merchant-Larios H, et al. **J Ultrastruct Res** 1982 Jul;80(1):53-61

Phosphorus and divalent cations in dog, rabbit, and human platelet dense bodies as deduced from electron microprobe studies of air-dried whole mounts. Costa JL, et al. **Res Commun Chem Pathol Pharmacol** 1981 Apr; 32(1):137-45

[Discovery of periodicity in the structure of the melanoprotein granules in a cell of the pigment epithelium of the eye (an x-ray small-angle study)] L'vov IuM, et al. **Dokl Akad Nauk SSSR** 1982;265(1):214-6 **(Rus)**

DRUG EFFECTS

Enhanced responsiveness of lactotrophs in ectopic pituitaries to bromocryptine and estrone acetate. McComb DJ, et al. **Acta Anat (Basel)** 1981;110(2):113-20

Quantitative correlation between histamine and 35S release from isolated rat mast cells due to the beta-adrenergic blocking drug Kö 1124. Nosál R, et al. **Agents Actions** 1981 Jul;11(4):318-23

Neutrophil-degranulating action of 5,12-dihydroxy-6,8,10,14-eicosatetraenoic acid and 1-O-alkyl-2-O-acetyl-sn-glycero-3-phosphocholine. Comparison with other degranulating agents. O'Flaherty JT, et al. **Am J Pathol** 1981 Dec;105(3):264-9

Degranulation of endothelial specific granules of the toad aorta after treatment with compound 48/80. Fujimoto S. **Anat Rec** 1982 Jun;203(2):197-204

Inhibition of leukotriene B4-induced neutrophil degranulation by leukotriene B4-dimethylamide. Showell HJ, et al. **Biochem Biophys Res Commun** 1982 Jun 15; 106(3):741-7

Stimulation of human neutrophil degranulation with 1-O-octadecyl-2-O-acetyl-SN-glyceryl-3-phosphorylch modulation by inhibitors of arachidonic acid metabolism. Smith RJ, et al. **Biochem Biophys Res Commun** 1982 Feb 26;104(4):1495-501

The use of the synthetic peptide, Gly-Pro-Arg-Pro, in the preparation of thrombin-degranulated rabbit platelets. Harfenist EJ, et al. **Blood** 1982 May;59(5):952-5

Arachidonate-induced fibrinogen binding to thrombin-degranulated rabbit platelets is independent of released ADP. Harfenist EJ, et al. **Blood** 1982 May; 59(5):956-62

The influence of noradrenaline on the process of protein/peptide secretion in the mammalian pineal organ. Comparative in vitro studies. Haldar-Misra C, et al. **Cell Tissue Res** 1982;224(1):33-44

Degranulation and appearance of vesicular inclusions in canine C cells after administration of antithyroid drug. Kameda Y. **Cell Tissue Res** 1982 Jul;225(2):315-8

Endotoxin-induced degranulation of the Limulus amebocyte. Armstrong PB, et al. **Exp Cell Res** 1982 Jul;140(1):15-24

Degradation of secretory content in Golgi-enriched fractions from rat liver after vinblastine administration. Glaumann H, et al. **Exp Cell Res** 1982 Jul;140(1):201-13

[Use of the basophil degranulation test in the study of hypersensitivity reactions to iodized contrast media] Stratta P, et al. **Radiol Med (Torino)** 1981 Sep;67(9):669-70 **(Ita)**

[Determination of the optimal therapeutic doses of benemycin and vibramycin using a morphometric analysis of the blood neutrophilic granules in chronic pyodermia] Padarian GN. **Vestn Dermatol Venerol** 1981 Aug;(8):12-5 (Eng. Abstr.) **(Rus)**

ENZYMOLOGY

Proton-translocating Mg2+-dependent ATPase activity in insulin-secretory granules. Hutton JC, et al. **Biochem J** 1982 Apr 15;204(1):161-70

Evidence for the lack of classical secretory phospholipase A2 in guinea-pig pancreas. Fauvel J, et al. **Biochim Biophys Acta** 1981 Oct 23;666(1):72-9

Latent acetylcholinesterase in secretory vesicles isolated from adrenal medulla. Gratzl M, et al. **Biochim Biophys Acta** 1981 Dec 7;649(2):355-66

Subcellular localization and properties of pyridoxal phosphate phosphatases of human polymorphonuclear leukocytes and their relationship to acid and alkaline phosphatase. Smith GP, et al. **Biochim Biophys Acta** 1981 Oct 13;661(2):287-94

Association of neutral alpha-glucosidase with cytoplasmic granules of peritoneal macrophages. Imai K, et al. **Exp Cell Res** 1982 Apr;138(2):367-75

Stimulation of human leukocyte degranulation by leukotriene B4 and its omega-oxidized metabolites. Feinmark SJ, et al. **FEBS Lett** 1981 Dec 21;136(1):141-4

Pro-opiocortin converting activity in rat intermediate and neural lobe secretory granules. Loh YP, et al. **FEBS Lett** 1982 Jan 11;137(1):57-62

Identification and characterization of an anion-sensitive Mg2+-ATPase in pituitary secretory granule membranes. Lorenson MY, et al. **J Biol Chem** 1981 Dec 25; 256(24):12802-10

Characterization of proinsulin- and proglucagon-converting activities in isolated islet secretory granules. Fletcher DJ, et al. **J Cell Biol** 1981 Aug;90(2):312-22

Plasma membrane and phagosome localisation of the activated NADPH oxidase in elicited peritoneal macrophages of the guinea-pig. Berton G, et al. **J Pathol** 1982 Mar;136(3):241-52

A biochemical and ultrastructural study on the endogenous protein kinase activity of secretory granule membranes of prostatic origin in human seminal plasma. Stegmayr B, et al. **J Ultrastruct Res** 1982 Feb;78(2):206-14

Acid hydrolases and other enzymes of rat and human mast cell secretory granules. Schwartz LB, et al. **KROC Found Ser** 1981;14:103-21 (61 ref.)

Characterization of pro-opiocortin-converting activity in purified secretory granules from rat pituitary neurointermediate lobe. Loh YP, et al. **Proc Natl Acad Sci USA** 1982 Jan;79(1):108-12

[Lipid granules: 1 of the compartments of lipid synthesis in the yeast cell] Belov AP, et al. **Mikrobiologiia** 1982 Mar-Apr;51(2):302-7 (Eng. Abstr.) **(Rus)**

IMMUNOLOGY

Automated measurement of human basophil degranulation. Leynadier F, et al. **Allergy** 1981 May;36(4):239-44

The discharge of primary and secondary granules during immune phagocytosis by normal and chronic granulocytic leukaemia polymorphonuclear neutrophils. Maallem H, et al. **Br J Haematol** 1982 Jun;51(2):201-8

A role for cytoplasmic vesicles in anaphylactic degranulation of guinea pig basophils. Dvorak AM, et al. **Int Arch Allergy Appl Immunol** 1981;66 Suppl 1:234-8

A monoclonal antibody inhibiting human neutrophil chemotaxis and degranulation. Cotter TG, et al. **J Immunol** 1981 Oct;127(4):1355-60

Human large granular lymphocytes: spontaneous and interferon-boosted NK activity against adherent and nonadherent tumor cell lines. de Landazuri MO, et al. **J Immunol** 1981 Oct;127(4):1380-3

The biologic activity of mast cell granules. III. Purification of inflammatory factors of anaphylaxis (IF-A) responsible for causing latephase reactions. Oertel HL, et al. **J Immunol** 1981 Oct;127(4):1398-402

METABOLISM

Degradation of proteins and lipids in autophagic vacuoles and secretory vesicles. Glaumann H. **Acta Biol Med Ger** 1982;41(1):103-111

Further studies on properties of renin granules isolated from rat kidney cortex. Männistö PT, et al. **Acta Physiol Scand** 1981 Aug;112(4):365-71

Histamine release from mast cell granules. Chakravarty N. **Agents Actions** 1982 Apr;12(1-2):94-8

Glucose-induced proton uptake in secretory granules of beta-cells in monolayer culture. Pace CS, et al. **Am J Physiol** 1982 May;242(5):C382-7

The internal pH and membrane potential of the insulin-secretory granule. Hutton JC. **Biochem J** 1982 Apr 15;204(1):171-8

Participation of a transmembrane proton gradient in 5-hydroxytryptamine transport by platelet dense granules and dense-granule ghosts. Wilkins JA, et al. **Biochem J** 1981 Jul 15;198(1):113-23

Existence of an adenosine 5'-triphosphate dependent proton translocase in bovine neurosecretory granule membrane. Scherman D, et al. **Biochemistry** 1982 Feb 16;21(4):687-94

Precursor-product relationship between rabbit type II cell lamellar bodies and alveolar surface-active material. Surfactant turnover time. Baritussio AG, et al. **Biochim Biophys Acta** 1981 Dec 23;666(3):382-93

Membrane fusion of secretory vesicles and liposomes. Two different types of fusion. Ekerdt R, et al. **Biochim Biophys Acta** 1981 Aug 6;646(1):10-22

The binding of clathrin triskelions to memoranes from coated vesicles. Unanue ER, et al. **Cell** 1981 Nov;26(3 Pt 1):439-46

Thiol regulation of protein, growth hormone, and prolactin release from isolated adenohypophysial secretory granules. Lorenson MY, et al. **Endocrinology** 1982 Apr; 110(4):1164-72

Role of the secretion vesicle in the transport of receptors: modulation of somatostatin binding to pancreatic islets. Sussman KE, et al. **Endocrinology** 1982 Jul;111(1):316-23

Evidence for intragranular processing of pro-opiocortin in the mouse pituitary intermediate lobe. Loh YP, et al. **Eur J Cell Biol** 1981 Dec;26(1):177-83

Phospholipid composition of some amine storage granules. de Oliveira Filgueiras OM, et al. **FEBS Lett** 1981 Jul 6; 129(2):309-13

Binding of 125I-calmodulin to platelet alpha-granules. Grinstein S, et al. **FEBS Lett** 1982 Apr 5;140(1):49-52

Influx of Ca2+ into isolated secretory vesicles from adrenal medulla. Influence of external K+ and Na+. Krieger-Brauer H, et al. **FEBS Lett** 1981 Oct 26; 133(2):244-6

Incorporation of 3H-befunolol (beta-blocking agent) into melanin granules of ocular tissues in the pigmented rabbits. I. Light microscopic radioautography. Yamabayashi S, et al. **Histochemistry** 1981 Dec;73(3):371-5

Serotonin transport in isolated platelet granules. Coupling to the electrochemical proton gradient. Carty SE, et al. **J Biol Chem** 1981 Nov 10;256(21):11244-50

Bioenergetics of serotonin transport by membrane vesicles derived from platelet dense granules. Fishkes H, et al. **J Biol Chem** 1982 May 25;257(10):5671-7

The electron transport chain of serotonin-dense granules of platelets. Johnson RG, et al. **J Biol Chem** 1981 Dec 10; 256(23):11966-9

Formation and turnover of triglyceride-rich vesicles in the chick liver cell. Effects of cAMP and carnitine on triglyceride mobilization and conversion to ketones. Mooney RA, et al. **J Biol Chem** 1981 Nov 25; 256(22):11724-33

Purification and further characterization of the Ca2+-activated proteinase specific for the intermediate filament proteins vimentin and desmin. Nelson WJ, et al. **J Biol Chem** 1982 May 25;257(10):5544-53

Role of the endoplasmic reticulum in the synthesis of reserve proteins and the kinetics of their transport to protein bodies in developing pea cotyledons. Chrispeels MJ, et al. **J Cell Biol** 1982 Apr;93(1):5–14

Localization of carboxypeptidase A to the macromolecular heparin proteoglycan–protein complex in secretory granules of rat serosal mast cells. Schwartz LB, et al. **J Immunol** 1982 Mar;128(3):1128–33

Use of automatic counting of basophil leukocytes: correlation of basophil degranulation with histamine release. Van Toorenenbergen AW, et al. **J Immunol Methods** 1982 Mar 12;49(2):209–13

Calmodulin affinity for brain coated vesicle proteins. Moskowitz N, et al. **J Neurochem** 1982 Jun;38(6):1742–7

The histochemical features of the Michaelis–Gutmann body and a consideration of the pathophysiological mechanisms of its formation. Stevens S, et al. **J Pathol** 1982 Jun; 137(2):119–27

Basic mechanisms of cellular secretion. **Methods Cell Biol** 1981;23:1–572

Studies of isolated secretion granules of the rabbit parotid gland: ion-induced changes in membrane integrity. Castle JD, et al. **Methods Cell Biol** 1981;23:335–44

The Golgi apparatus: protein transport and packaging in secretory cells. Hand AR, et al. **Methods Cell Biol** 1981; 23:137–53 (105 ref.)

The 'secretory code' of the neutrophil. Smolen JE, et al. **Methods Cell Biol** 1981;23:461–81 (42 ref.)

Actin filaments and secretion: the macrophage model. Stossel TP. **Methods Cell Biol** 1981;23:215–30 (81 ref.)

Gonadotropin-releasing hormone binding and activation of enriched population of pituitary gonadotrophs. Naor Z, et al. **Mol Cell Endocrinol** 1982 Jan;25(1):85–97

Presence of cyclic nucleotide–Ca2+ independent protein kinase in bovine brain coated vesicles. Pauloin A, et al. **Nature** 1982 Aug 5;298(5874):574–6

Coated vesicles from human placenta carry ferritin, transferrin, and immunoglobulin G. Pearse BM. **Proc Natl Acad Sci USA** 1982 Jan;79(2):451–5

Characterisation of gut hormone storage granules from normal human jejunum using metrizamide density gradients. Dawson J, et al. **Regul Pept** 1981 Sep;2(5):305–15

Prevention of the platelet alpha-granule release reaction by membrane-active drugs. Prowse C, et al. **Thromb Res** 1982 Feb 1;25(3):219–27

PATHOLOGY

Auer rods in plastic-embedded bone-marrow biopsy specimens [letter] Schnitzer B, et al. **Arch Pathol Lab Med** 1981 Nov;105(11):630

Intranuclear crystalloids associated with abnormal granules in eosinophilic leukocytes. Parmley RT, et al. **Blood** 1981 Dec;58(6):1134–40

Distribution pattern of lysosomal granules in fibroblasts of the Chediak–Higashi syndrome. Abe K, et al. **J Clin Pathol** 1982 May;35(5):496–501

[Congenital deficiency of platelet alpha-granules and medullary reticulinic fibrosis. Physiopathogenic hypothesis (author's transl)] Drouet L, et al. **Nouv Rev Fr Hematol** 1981;23(2):95–100 (Eng. Abstr.) **(Fre)**

PHYSIOLOGY

Hypoxic pulmonary vasoconstriction in conscious sheep: role of mast cell degranulation. Ahmed T, et al. **Am Rev Respir Dis** 1982 Aug;126(2):291–7

Cannabinoid induced degranulation of rabbit neutrophils. Naccache PH, et al. **Biochem Biophys Res Commun** 1982 Jun 30;106(4):1286–90

Human neutrophil-specific granule deficiency: a model to assess the role of neutrophil-specific granules in the evolution of the inflammatory response. Gallin JI, et al. **Blood** 1982 Jun;59(6):1317–29

Exocytotic release of secretory granules from endocrine cells in the midgut of insects. Endo Y, et al. **Cell Tissue Res** 1982;222(3):515–22

Recent approaches to secretion and stimulus–secretion coupling. Silinsky EM. **Fed Proc** 1982 Apr;41(6):2169–71

Degranulation of renomedullary interstitial cells during reversal of hypertension. Pitcock JA, et al. **Hypertension** 1981 Nov–Dec;3(6 Pt 2):II-75–80

Electrochemical proton gradient in dense granules isolated from anterior pituitary. Carty SE, et al. **J Biol Chem** 1982 Jun 25;257(12):7269–73

Cytoskeleton–secretory vesicle interactions during the docking of secretory vesicles at the cell membrane in Paramecium tetraurelia cells. Plattner H, et al. **J Cell Biol** 1982 Feb;92(2):368–77

Inhibition of enzyme secretion and autophagy of secretory granules caused by action of high concentration of secretory hormones on rat pancreatic slices. Savion N, et al. **Methods Cell Biol** 1981;23:359–78 (29 ref.)

Immunofluorescence visualization of germ-line-specific cytoplasmic granules in embryos, larvae, and adults of Caenorhabditis elegans. Strome S, et al. **Proc Natl Acad Sci USA** 1982 Mar;79(5):1558–62

[Short term cultures of degranulated mastocytes. Histamine synthesis] Weil BJ, et al. **C R Seances Acad Sci [III]** 1981 Dec 7;293(13):683–8 (Eng. Abstr.) **(Fre)**

RADIATION EFFECTS

Cytoplasmic crystalloids in irradiated rat parotid glands. Sholley MM, et al. **J Oral Pathol** 1981 Jun;10(3):192–202

SECRETION

Study of granule reappearance and histamine synthesis in rat mast cells maintained in short-term cultures. Weil BJ, et al. **Cell Immunol** 1982 Apr;68(2):220–33

MgATP-stimulated release of luteinizing hormone releasing hormone from isolated hypothalamic granules: evidence for a selective requirement for monovalent cations. Burrows GH, et al. **J Neurochem** 1982 Sep;39(3):780–7

[Effect of long-term administration of zinc chloride on hypothalamo-hypophyseal neurosecretion] Pietrzak M. **Neuropatol Pol** 1981;19(3):399–413 (Eng. Abstr.) **(Pol)**

ULTRASTRUCTURE

Argyrophil granules in the human pituitary. Urbanski SJ, et al. **Acta Histochem (Jena)** 1982;70(1):69–77

Localization of calcium in fibrocytes associated with the 'substantia amorpha' in the skin of toad, Bufo bufo (L.) (Amphibia, Anura). Verhaagh M, et al. **Acta Histochem (Jena)** 1982;70(1):139–49

Black thyroid. Morphological, biochemical and geriatric studies on the brown granules in the thyroid follicular cells. Matsubara F, et al. **Acta Pathol Jpn** 1982 Jan;32(1):13–22

Cytoplasmic inclusions in a case of prolymphocytic leukemia. Costello C, et al. **Am J Clin Pathol** 1981 Oct;76(4):499–501

Auer rod positive dysmyelopoietic syndrome. Weisdorf DJ, et al. **Am J Hematol** 1981 Dec;11(4):397–402

Anomalous azurophilic granules in acute lymphoblastic leukemia. Dyment PG, et al. **Am J Pediatr Hematol Oncol** 1982 Summer;4(2):207–11

A black hepatocellular carcinoma with Dubin–Johnson-like pigment and Mallory bodies: a histochemical and ultrastructural study. Roth JA, et al. **Am J Surg Pathol** 1982 Jun;6(4):375–82

Stereological and biochemical investigations on a possible aldosterone-containing secretory organelle in the zona glomerulosa of rat adrenal gland. Nussdorfer GG, et al. **Anat Anz** 1982;151(1):74–81

Cytoplasmic granules in luteal cells of pregnant and non-pregnant guinea pigs. A cytochemical study. Paavola LG, et al. **Anat Rec** 1981 Sep;201(1):127–40

The stacking of chloroplast thylakoids: evidence for segregation of charged groups into nonstacked regions. Chow WS, et al. **Arch Biochem Biophys** 1982 Jun; 216(1):247–54

Familial urticaria pigmentosa with giant mast cell granules. A clinical, light, and electron microscopic study. James MP, et al. **Arch Dermatol** 1981 Nov;117(11):713–8

Zinc iodide–osmium staining of membrane-coating granules in keratinized and non-keratinized mammalian oral epithelium. Squier CA. **Arch Oral Biol** 1982;27(5):377–82

Characterization of and hormonal effects on subcellular fractions from xanthophores of the goldfish Carassius auratus L. Lynch TJ, et al. **Biochem Biophys Res Commun** 1981 Sep 16;102(1):127–34

Biochemical and biophysical characterization of insulin granules isolated from rat pancreatic islets by an iso-osmotic gradient. Matthews EK, et al. **Biochim Biophys Acta** 1982 Mar 15;715(1):80–9

Characterization of granule types in luteal cells of sheep at the time of maximum progesterone secretion. Paavola LG, et al. **Biol Reprod** 1981 Aug;25(1):203–15

Large granular lymphocytes in human peripheral blood: ultrastructural and cytochemical characterization of the granules. Grossi CE, et al. **Blood** 1982 Feb;59(2):277–83

The cytoplast: a unit structure in chromatophores. Porter KR, et al. **Cell** 1982 May;29(1):23–32

Coated microvesicles in central nervous system myelinated axons. Morré DM, et al. **Cell Biol Int Rep** 1982 Apr; 6(4):401–5

Evidence for secretory granule membrane recycling in cultured adrenal chromaffin cells. Suchard SJ, et al. **Cell Biol Int Rep** 1981 Oct;5(10):953–62

The life cycle of the gastrin granule. Håkanson R, et al. **Cell Tissue Res** 1982;222(3):479–91

Presence of dense-core vesicles in pinealocytes of the cat. Karasek M, et al. **Cell Tissue Res** 1982;222(3):695–8

Cytological effects of urecholine stimulation on the rat pancreas. Roberge M, et al. **Cell Tissue Res** 1981; 220(4):781–6

Electron-microscopic studies on the relationship between the frequency of parathyroid storage granules and serum calcium levels in the rat. Setoguti T, et al. **Cell Tissue Res** 1981;219(3):457–67

The demonstration of calcium in the axonal granules of the peripheral nervous system of male Schistosoma mansoni by X-ray microanalysis. Shaw MK, et al. **Cell Tissue Res** 1982;222(3):597–604

The sedimentation coefficients of human jejunal gut hormone storage granules. Dawson J, et al. **Clin Chim Acta** 1982 Jun 16;122(1):47–50

The lamellar granules of epidermis. Odland GF, et al. **Curr Probl Dermatol** 1981;9:29–49 (107 ref.)

Patterns of corticotropic cells in the adult human pituitary in Cushing's disease. McNicol AM. **Diagn Histopathol** 1981 Oct–Dec;4(4):335–41

The mode of secretion of the Clara cell in rat bronchiole: a freeze-fracture study. Yoneda K, et al. **Exp Lung Res** 1981 Aug;2(3):177–85

Normal prolactin content of rat pituitary may be maintained by Nebenkern formations. Reifel CW, et al. **Experientia** 1982 Apr 15;38(4):514–5

Ultrahistochemical studies on the moderately electron dense bodies in teleostean endocardial cells. Leknes IL. **Histochemistry** 1981;72(2):211–4

The elemental composition of the chloragosomes of two earthworm species (Lumbricus terrestris and Allolobophora longa) determined by electron probe X-ray microanalysis of freeze-dried cryosections. Morgan AJ, et al. **Histochemistry** 1982;73(4):589–98

Ca2+-induced lysis of platelet secretory granules. VanderMeulen J, et al. **J Biol Chem** 1982 May 10; 257(9):5190–5

Golgi apparatus, GERL, and secretory granule formation within neurons of the hypothalamo-neurohypophysial system of control and hyperosmotically stressed mice. Broadwell RD, et al. **J Cell Biol** 1981 Aug;90(2):474–84

Association between endocrine pancreatic secretory granules and in-vitro-assembled microtubules is dependent upon microtubule-associated proteins. Suprenant KA, et al. **J Cell Biol** 1982 Apr;93(1):164–74

Cultured human amniotic fluid cells characterized with antibodies against intermediate filaments in indirect immunofluorescence microscopy. Virtanen I, et al. **J Clin Invest** 1981 Nov;68(5):1348–55

Interaction of granule, Purkinje and inferior olivary neurons in lurcher chimaeric mice. I. Qualitative studies. Wetts R, et al. **J Embryol Exp Morphol** 1982 Apr;68:87–98

[The packing density of supragranular pigment-laden stellate cells in phylogenetically older and newer portions of the human telencephalic cortex. Schlegelberger T, et al. **J Hirnforsch** 1982;23(1):49–53

Bullous pemphigoid, an ultrastructural study of the inflammatory response: eosinophil, basophil and mast cell granule changes in multiple biopsies from one patient. Dvorak AM, et al. **J Invest Dermatol** 1982 Feb;78(2):91–101

A method for partial purification of lamellar granules from fetal rat epidermis. Freinkel RK, et al. **J Invest Dermatol** 1981 Dec;77(6):478–82

Optical transforms of epidermal Langerhans' cell granules. Runge W, et al. **J Invest Dermatol** 1981 Nov;77(5):421–9

A periodic ultrastructure in intermediate filaments. Henderson D, et al. **J Mol Biol** 1982 Feb 25;155(2):173–6

Ultrastructural study of the specific granule of the human eosinophil. Okuda M, et al. **J Submicrosc Cytol** 1981 Jul; 13(3):465–71

Granules in basophil leukocytes from guinea pig dermis and granules isolated from basophil leukocytes in guinea pig blood and bone marrow: a structural study by electron microscopy and optical diffraction. Hebert H, et al. **J Ultrastruct Res** 1982 Feb;78(2):215–25

Characterization of rat polymorphonuclear leukocyte subcellular granules. Calamai EG, et al. **Lab Invest** 1982 Jun;46(6):597–604

Comparison of compound with plasmalemmal exocytosis in Limulus amebocytes. Ornberg RL, et al. **Methods Cell Biol** 1981;23:301–11

Clathrin locks up vesicle structure [news] Slayter H. **Nature** 1982 Jul 15;298(5871):228

A possible mode of release of secretory granules from adrenomedullary cells in domestic fowl. Chungsamarnyart N, et al. **Nippon Juigaku Zasshi** 1981 Dec;43(6):951–5

A simple method of staining juxtaglomerular granules in the rat kidney for high resolution light microscopy. Sato T, et al. **Stain Technol** 1982 Jan;57(1):11–4

Recycling of mast cells following degranulation in vitro: an ultrastructural study. Burwen SJ. **Tissue Cell** 1982; 14(1):125–34

Ultrastructure of granules and immunocytochemical localization of luciferase in photocytes of fireflies. Neuwirth M. **Tissue Cell** 1981;13(3):599–607

The Weibel–Palade Body in the diagnosis of endothelial tumors. Carstens PH. **Ultrastruct Pathol** 1981 Oct–Dec; 2(4):315–25

Hypertrophy of acridine orange granules in Toxoplasma gondii. Koyama T, et al. **Zentral Bakteriol Mikrobiol Hyg [A]** 1981 Sep;250(3):413–6

[Occurrence of recombination nodules in the synaptonemal complex of the human oocyte at the pachytene stage] Stahl A, et al. **C R Seances Acad Sci [III]** 1981 Nov 16; 293(10):595–9 (Eng. Abstr.) **(Fre)**

[Ultrastructural modifications in the pigeon islets of Langerhans after epiphysectomy and treatment with epifizan (author's transl)] Mihail N, et al. **Z Mikrosk Anat Forsch** 1981;95(6):1011–26 (Eng. Abstr.) **(Ger)**

[The secretory granules of the human fetal salivary glands as revealed by electron microscopic staining for carbohydrate – PAM and PA-TSC-SP stainings– (author's transl)] Yaku Y, et al. **Nippon Jibiinkoka Gakkai Kaiho** 1982 May;85(5):529–33 (Eng. Abstr.) **(Jpn)**

[On the changes of Holmes positive intracytoplasmic bodies in the mouse locus coeruleus (author's transl)] Katoh Y. **No To Shinkei** 1982 May;34(5):479–83 (Eng. Abstr.) **(Jpn)**

[Use of semithin sections for the preliminary evaluation of the granularity of epithelial cells in the human juxtaglomerular apparatus] Pal'tsev MA, et al. **Arkh Patol** 1981;43(5):67–9 (Eng. Abstr.) **(Rus)**

CYTOPLASMIC POLYHEDROSIS VIRUSES see POLYHEDROSIS VIRUSES

CYTOPLASMIC STREAMING

Behavior of cytoplasmic streaming in Nitella during centrifugation as revealed by the television centrifuge-microscope. Kuroda K, et al. **Biorheology** 1981; 18(3-6):633-41

Function of cytoplasmic flow in photosensory transduction and phase regulation of contractile activities in Physarum. Wohlfarth-Bottermann KE, et al. **Cold Spring Harbor Symp Quant Biol** 1982;46 (Pt 2):563-8

Motility. Allen RD. **J Cell Biol** 1981 Dec;91(3 Pt 2):148s-155s (140 ref.)

CYTOSINE

Heat- and alkali-induced deamination of 5-methylcytosine and cytosine residues in DNA. Wang RY, et al. **Biochim Biophys Acta** 1982 Jun 30;697(3):371-7

1H-NMR lifetimes of cytosine interactions with the DNA melting probe, methylmercury. McConnell B, et al. **Chem Biol Interact** 1982 Apr;39(3):351-62

Dna isolated from DNA/anti-DNA antibody immune complexes in systemic lupus erythematosus is rich in guanine-cytosine content. Sano H, et al. **J Immunol** 1982 Mar;128(3):1341-5

A new Salmonella tester strain, TA97, for the detection of frameshift mutagens. A run of cytosines as a mutational hot-spot. Levin DE, et al. **Mutat Res** 1982 Jun;94(2):315-30

ANALOGS & DERIVATIVES

The effect of 5-fluorouracil and 5-fluorocytosine on the development of the filarial nematodes Brugia pahangi and Dirofilaria immitis. Howells RE, et al. **Acta Trop (Basel)** 1981 Sep;38(3):289-304

The distribution of 5-methylcytosine in guinea pig satellite DNA's as probed by the restriction enzymes Msp I and Hpa II. Spencer JH, et al. **Adv Enzyme Regul** 1980; 19:466-70

5-Methylcytosine in the highly repetitive DNA's of the guinea pig (Cavia porcellus). Spencer JH, et al. **Adv Enzyme Regul** 1980;19:453-66

The measurement of serum 5-fluorocytosine levels in the presence of miconazole. Roselle GA. **Am J Clin Pathol** 1982 Sep;78(3):358-60

Candida lung abscess: successful treatment with amphotericin B and 5-flucytosine. Schiffman RL, et al. **Am Rev Respir Dis** 1982 Jun;125(6):766-8

The complete separation of the base, nucleoside, mono-, di-, and triphosphonucleosides of uracil and cytosine by polyethyleneimine cellulose thin-layer chromatography. Payne RC, et al. **Anal Biochem** 1982 Mar 15;121(1):49-54

Control of yeast contamination with 5-fluorocytosine in the in vitro cultivation of Leishmania spp. Kimber CD, et al. **Ann Trop Med Parasitol** 1981 Aug;75(4):453-4

Combined activity of ketoconazole and 5-fluorocytosine on potentially pathogenic yeasts. Beggs WH, et al. **Antimicrob Agents Chemother** 1982 Feb;21(2):355-7

Flucytosine-miconazole treatment of Candida peritonitis. Its use during continuous ambulatory peritoneal dialysis. Lempert KD, et al. **Arch Intern Med** 1982 Mar;142(3):577-8

Determination of 5-methylcytosine from plant DNA by high-performance liquid chromatography. Wagner I, et al. **Biochim Biophys Acta** 1981 Jun 26;654(1):52-6

Heat- and alkali-induced deamination of 5-methylcytosine and cytosine residues in DNA. Wang RY, et al. **Biochim Biophys Acta** 1982 Jun 30;697(3):371-7

Characteristics of enzymatic DNA methylation in cultured cells of human and hamster origin, and the effect of DNA replication inhibition. Woodcock DM, et al. **Biochim Biophys Acta** 1982 Jan 26;696(1):15-22

Isolation by restriction endonuclease digestion and base-specific affinity chromatography of rat-embryo DNA sequences disproportionately enriched in virogenic bromodeoxyuridine. Schwartz SA. **Biosci Rep** 1981 Feb; 1(2):107-18

Combined in vitro activity of amphotericin B and 5-fluorocytosine against Cryptococcus neoformans and Candida albicans. Chen HH, et al. **Chung Hua Min Kuo Wei Sheng Wu Chi Mien I Hsueh Tsa Chih** 1982 May;15(2):106-12

Methylation of adenovirus genes in transformed cells and in vitro: influence on the regulation of gene expression? Vardimon L, et al. **Eur J Cell Biol** 1981 Aug;25(1):13-5

Inverse relationship between transcriptional activity and 5-methylcytosine content of DNA in polytene chromosomes of sciara coprophila. Wei LH, et al. **Exp Cell Res** 1981 Oct;135(2):411-5

Polymorphism of 5-methylcytosine-rich DNA in human acrocentric chromosomes. Okamoto E, et al. **Hum Genet** 1981;58(3):255-9

Antemortem diagnosis and treatment of cryptococcal meningitis in a horse. Steckel RR, et al. **J Am Vet Med Assoc** 1982 May 1;180(9):1085-9

Deoxyribonucleic acid methylation in mycobacteria. Srivastava R, et al. **J Bacteriol** 1981 Nov;148(2):716-9

Treatment of experimental cryptococcal meningitis with amphotericin B, 5-fluorocytosine, and ketoconazole. Perfect JR, et al. **J Infect Dis** 1982 Sep;146(3):429-35

Studies on the antitumor activities of pyrimidinone-interferon inducers. I. Effect against artificial and spontaneous lung metastases of murine tumors. Milas L, et al. **JNCI** 1982 Jan;68(1):139-45

Demethylation of CpG sites in DNA of early rabbit trophoblast. Manes C, et al. **Nature** 1981 Oct 15-21; 293(5833):589-90

Amount and distribution of 5-methylcytosine in human DNA from different types of tissues of cells. Ehrlich M, et al. **Nucleic Acids Res** 1982 Apr 24;10(8):2709-21

Distribution of 5-methylcytosine in the DNA of somatic and germline cells from bovine tissues. Sturm KS, et al. **Nucleic Acids Res** 1981 Sep 25;9(18):4537-46

Synthesis of 4-triazolopyrimidinone nucleotide and its application in synthesis of 5-methylcytosine-containing oligodeoxyribonucleotides. Sung WL. **Nucleic Acids Res** 1981 Nov 25;9(22):6139-51

DNA methylation and gene expression: endogenous retroviral genome becomes infectious after molecular cloning. Harbers K, et al. **Proc Natl Acad Sci USA** 1981 Dec;78(12):7609-13

Immunoglobulin heavy chain genes: demethylation accompanies class switching. Rogers J, et al. **Proc Natl Acad Sci USA** 1981 Dec;78(12):7497-501

Tissue specificity and clustering of methylated cystosines in bovine satellite I DNA. Sano H, et al. **Proc Natl Acad Sci USA** 1982 Jun;79(11):3584-8

Clonal inheritance of the pattern of DNA methylation in mouse cells. Stein R, et al. **Proc Natl Acad Sci USA** 1982 Jan;79(1):61-5

In vitro methylation of the hamster adenine phosphoribosyltransferase gene inhibits its expression in mouse L cells. Stein R, et al. **Proc Natl Acad Sci USA** 1982 Jun;79(11):3418-22

Expression of the J chain gene during B cell differentiation is inversely correlated with DNA methylation. Yagi M, et al. **Proc Natl Acad Sci USA** 1981 Aug;78(8):4907-11

Analogues of 5-methyl cytosine and early embryonic development. Maharajan V, et al. **Prog Clin Biol Res** 1982; 85 Pt A:227-34

The effect of 5-fluorocytosine on the synthesis of 80S ribosomes by pathogenic fungi. Wain WH, et al. **Sabouraudia** 1981 Sep;19(3):187-97

Fungal lung infections treated by 5 flucytosine. Symonds RP, et al. **Scott Med J** 1982 Jul;27(3):244-6

[Sensitivity of Candida spp. to 5-fluorocytosine, amphotericin B and imidazoles. Antifongiogram of 120 strains isolated at the Vaudois University Hospital Center during the autumn-winter seasons of 1978 and 1980] Sakellarides E. **Schweiz Med Wochenschr** 1981 Sep 12; 111(37):1367-72 (Eng. Abstr.) **(Fre)**

[A simple medium for 5-fluorocytosine sensitiving testing (author's transl)] Böhm W. **Dermatol Monatsschr** 1982 May; 168(5):317-20 **(Ger)**

[Drug-monitoring of 5-fluorocytosine in serum by high-performance liquid chromatography (author's transl)] Essers L, et al. **Mykosen** 1982 Apr;25(4):183-8 (Eng. Abstr.) **(Ger)**

[Sensitivity of yeasts against 5 fluorocytosine. Comparison of five methods (author's transl)] Brinkmann F. **Z Hautkr** 1981 Oct 1;56(19):1255-63 (Eng. Abstr.) **(Ger)**

[Antineoplastic effect of 5-fluorocytosine and cytosine deaminase on brain tumor (author's transl)] Nishiyama T, et al. **Neurol Med Chir (Tokyo)** 1982 May;22(5):344-52 (Eng. Abstr.) **(Jpn)**

[Ultrastructural study on anti-fungal effects of 5-fluorocytosine-influences to Trichosporon cutaneum (author's transl)] Otsuka F, et al. **Nippon Hifuka Gakkai Zasshi** 1981 Dec 15;91(14):1787-93 **(Jpn)**

[Treatment of systemic mycoses] Sandven P. **Tidsskr Nor Laegeforen** 1981 Sep 30;101(27):1500-3 (Eng. Abstr.) **(Nor)**

[Results of 5-fluorocytosine therapy of aspergillosis and candidiasis] Rudnicka J, et al. **Pneumonol Pol** 1981 Mar; 49(3):209-17 (Eng. Abstr.) **(Pol)**

[Cortisol-induced changes in methylation of repeating sequences of transcriptionally active DNA from rat liver] Dudareva NA, et al. **Biokhimiia** 1981 Aug;46(8):1475-81 (Eng. Abstr.) **(Rus)**

[5-Methylcytosine in pyrimidine sequences of plant and animal DNA: specificity of methylation] Kirnos MD, et al. **Biokhimiia** 1981 Aug;46(8):1458-74 (Eng. Abstr.) **(Rus)**

[Treatment of chromoblastomycosis with amphotericin B and 5-fluorocytosine] Astorga E, et al. **Med Cutan Iber Lat Am** 1981;9(2):125-8 (Eng. Abstr.) **(Spa)**

ANALYSIS

Terbium as a new probe to detect G+C content of DNA. Cavatorta P, et al. **Biochem Exp Biol** 1980;16(4):365-9

Localization of SCEs and their possible relationship to dA . dT- or dG . dC-clusters, respectively, in Chinese hamster V79-E chromosomes. Thust R, et al. **Hereditas** 1982; 96(2):295-8

The distribution of guanine-cytosine pairs in adenovirus DNAs. Tikchonenko TI, et al. **J Gen Virol** 1981 Jun;54(Pt 2):425-9

C-A base pairs in transfer ribonucleic acids and codon-anticodon complexes. Mikelsaar R. **J Theor Biol** 1981 Sep 21;92(2):163-80

Specifically unmethylated cytidylic-guanylate sites in Herpesvirus saimiri DNA in tumor cells. Desrosiers RC. **J Virol** 1982 Aug;43(2):427-35

Bacteriophage T4 alc gene product: general inhibitor of transcription from cytosine-containing DNA. Kutter EM, et al. **J Virol** 1981 Dec;40(3):822-9

The reaction of adenine and cytosine residues in tRNA with chloroacetaldehyde. Krzyżosiak WJ, et al. **Nucleic Acids Res** 1981 Jun 25;9(12):2841-51

[Determination of G-C mole percentage in DNA of Flavobacterium farinofermentans n.sp. (author's transl)] Cai LW, et al. **Chung Kuo I Hsueh Ko Hsueh Yuan Hsueh Pao** 1981 Jun; 3(2):141-2 (Eng. Abstr.) **(Chi)**

[Ratio of natural DNA hydration to the GC content] Mrevlishvili GM. **Dokl Akad Nauk SSSR** 1981;260(3):761-4 **(Rus)**

ISOLATION & PURIFICATION

The complete separation of the base, nucleoside, mono-, di-, and triphosphonucleosides of uracil and cytosine by polyethyleneimine cellulose thin-layer chromatography. Payne RC, et al. **Anal Biochem** 1982 Mar 15;121(1):49-54

METABOLISM

Partially deficient methylation of cytosine in DNA at CCATGG sites stimulates genetic recombination of bacteriophage lambda. Korba BE, et al. **Cell** 1982 Mar; 28(3):531-41

Role of exposed cytosine residues in aminoacylation activity of tRNATrp. Scheinker VS, et al. **FEBS Lett** 1981 Sep 28;132(2):349-52

Cytosine methylation of the sequence GATC in a mycoplasma. Dybvig K, et al. **J Bacteriol** 1982 Sep; 151(3):1420-4

[Nucleosome 'attraction' in the chromatin of vertebrates for GC-pair-enriched DNA sites] Kharchenko EP, et al. **Dokl Akad Nauk SSSR** 1981;259(2):502-5 **(Rus)**

[Actinomycin D derivatives that recognize 2 DNA GC pairs: bis-actinomycin D] Mikhailov MV, et al. **Dokl Akad Nauk SSSR** 1981;260(1):239-44 **(Rus)**

RADIATION EFFECTS

Determination of parameters of excited states of DNA and RNA bases by laser UV photolysis. Nikogosyan DN, et al. **Photochem Photobiol** 1982 May;35(5):627-35

CYTOSINE ARABINOSIDE see CYTARABINE

CYTOSINE NUCLEOTIDES

Syringes are unsuitable for pipetting submicromolar solutions of nucleoside triphosphates because of adsorption. Goswami T, et al. **Anal Biochem** 1981 Nov 1;117(2):336-8

Transforming activity of mercury-substituted DNA synthesized in vitro by permeable cells of Bacillus subtilis. Bhattacharya S, et al. **J Biol Chem** 1982 Feb 25; 257(4):1610-2

Synthesis of oligoguanylates on oligocytidylate templates. Fakhrai H, et al. **J Mol Evol** 1981;17(5):295-302

[Reaction of cytidylic acid with O-delta-aminooxybutylhydroxylamine] Petrenko VA, et al. **Mol Biol (Mosk)** 1982 May-Jun;16(3):644-8 (Eng. Abstr.) **(Rus)**

ANALYSIS

Tissue specificity and organisation of CpG methylation in calf satellite DNA I. Pages M, et al. **Nucleic Acids Res** 1982 Jan 22;10(2):565-76

BLOOD

GTP depletion and other erythrocyte abnormalities in inherited PNP deficiency. Simmonds HA, et al. **Biochem Pharmacol** 1982 Mar 15;31(6):941-6

Erythrocyte nucleotides in children--increased blood lead and cytidine triphosphate. Angle CR, et al. **Pediatr Res** 1982 Apr;16(4 Pt 1):331-4

GENETICS

Effect of in vitro methylation at CpG sites on gene expression in a genome functioning autonomously in a vertebrate host. Subramanian KN. **Nucleic Acids Res** 1982 Jun 11; 10(11):3475-86

ISOLATION & PURIFICATION

A practically sensitive radioimmunoassay for cyclic CMP by 2'-O-acetylation. Sato T, et al. **Anal Biochem** 1982 Jun; 123(1):208-18

METABOLISM

Changes in the cyclic nucleotides (cCMP, cAMP, and cGMP) of rat thyroid induced by prolonged administration of LATS and TSH. Ochi Y, et al. **Acta Endocrinol (Copenh)** 1981 Sep;98(1):62-7

Cytidine 3',5' Monophosphate (cCMP) is not an Endogenous nucleotide in normal or regenerating rat livers. Wikberg JE, et al. **Acta Pharmacol Toxicol (Copenh)** 1981 Nov; 49(5):452-4

Differences between CTP and ATP as substrates for the (Na + K)-ATPase. Robinson JD. **Arch Biochem Biophys** 1982

Feb;213(2):650-7
The peptidyltransferase center of Escherichia coli ribosomes: binding sites for the cytidine 3'-phosphate residues of the aminoacyl-tRNA 3'-terminus and the interrelationships between the acceptor and donor sites. Bhuta P, et al. **Biochim Biophys Acta** 1982 Feb 26;696(2):208-11
CMP-dependent incorporation of [14C]Glycerol 3-phosphate into phosphatidylglycerol and phosphatidylglycerol phosphate by rabbit lung microsomes. Bleasdale JE, et al. **Biochim Biophys Acta** 1982 Mar 12; 710(3):377-90
Utilization of 5-fluoro-2'-deoxyuridine triphosphate and 5-fluoro-2'-deoxycytidine triphosphate in DNA synthesis by DNA polymerases alpha and beta from calf thymus. Tanaka M, et al. **Cancer Res** 1981 Oct;41(10):4132-5
Influence of the structure of water on the hydrolysis of cytidine 2',3'-phosphate catalysed by bovine pancreatic ribonuclease A. Biosca JA, et al. **Eur J Biochem** 1982 May; 124(1):151-6
CTP: phosphocholine cytidylyltransferase from rat liver. Vance DE, et al. **Methods Enzymol** 1981;71 Pt C:576-81

PHARMACODYNAMICS

Interactions of Cibacron Blue F3GA and nucleotides with Escherichia coli aspartate carbamoyltransferase and its subunits. Issaly I, et al. **Biochemistry** 1982 Mar 30; 21(7):1612-23
Cyclic nucleotides and the control of epithelial cell proliferation: cyclic CMP may be a partial mediator of the response of the pigeon crop-sac to prolactin. Anderson TR, et al. **J Cyclic Nucleotide Res** 1981;7(4):225-33
CDPcholine and CDPethanolamine prevent the release of free fatty acids during brain ischemia. Horrocks LA, et al. **Prog Lipid Res** 1981;20:531-4

PHYSIOLOGY

[Cyclic CMP (author's transl)] Ge YQ. **Sheng Li Ko Hsueh Chin Chan** 1981 Jan;12(1):75-8 **(Chi)**

CYTOSOL

Use of liver cytosol fractions in treatment of acute liver failure [letter] Makowka L, et al. **Surgery** 1982 Jan; 91(1):120-2

ANALYSIS

High molecular weight renin identified in cytosol fractions of mouse renal cortices. Iwao H, et al. **Biochem Biophys Res Commun** 1982 Jun 15;106(3):933-9
Purification of liver cytosolic proteins that stimulate triacylglycerol synthesis. Roncari DA, et al. **Can J Biochem** 1981 Nov-Dec;59(11-12):944-50
A comparison of the cytoplasmic estrogen receptors of mammary gland from virgin and lactating mice. Gaubert CM, et al. **Endocrinology** 1982 Feb;110(2):683-5
In situ measurements of free cytosolic magnesium ions. Scarpa A, et al. **Fed Proc** 1981 Oct;40(12):2646-52
A low molecular weight binding protein for organic anions (Z protein) from human hepatic cytosol: purification and quantitation. Kamisaka, et al. **Hepatology** 1981 May-Jun; 1(3):221-7
Genetic analysis of human lymphocyte proteins by two-dimensional gel electrophoresis: 2. Genetic polymorphism of lymphocyte cytosol 64K polypeptide. Hamaguchi H, et al. **Hum Genet** 1982;60(2):176-80
Differences in cytosol factors in liver and hepatomas revealed by real or apparent effects on the incorporation of [3H] thymidine. Barra R, et al. **Int J Biochem** 1981; 13(12):1233-40
Progesterone receptors in feline mammary cancer cytosol. Elling H, et al. **J Cancer Res Clin Oncol** 1981;100(3):325-7
Gas chromatographic-mass spectrometric analysis of endogenous levels of estradiol in plasma and in cytosol from rat uterus. Tetsuo M, et al. **J Chromatogr** 1982 Apr 30;239:287-300
Cytosol preparations are inadequate for quantitating unoccupied receptors for 1,25-dihydroxyvitamin D3. Walters MR, et al. **J Recept Res** 1980;1(2):313-27
[Studies on estradiol occupied and unoccupied receptors in human endometrial cytosol and nucleus: steroid receptors throughout the menstrual cycle and in cases of oral contraceptives administration (author's transl)] Azumaguchi A, et al. **Acta Obstet Gynaecol Jpn** 1981 Jul; 33(7):951-60 (Eng. Abstr.) **(Jpn)**
[Gestational changes of cytoplasmic and nuclear estrogen and progesterone receptors in the human myometrium (author's transl)] Oyama Y. **Nippon Sanka Fujinka Gakkai Zasshi** 1981 Dec;33(12):2143-52 (Eng. Abstr.) **(Jpn)**
[Cytosol estrogen and progesterone receptors in the normal and pathological human uterus and ovaries] Baron J, et al. **Ginekol Pol** 1981 Jul;52(7):585-90 (Eng. Abstr.) **(Pol)**

DRUG EFFECTS

Depletion and replenishment of glucocorticoid receptor in cytosols of rat tissues after administration of various glucocorticoids. Ichii S. **Endocrinol Jpn** 1981 Jun; 28(3):293-304

ENZYMOLOGY

Characterization of DNA polymerases from the mammary gland of pregnant rabbit. Kleczkowska D, et al. **Acta Biochim Pol** 1981;28(1):61-70
Separation of glutathione S-transferases from rat liver cytosol by chromatofocusing. Jensson H, et al. **Acta Chem Scand [B]** 1982;36(3):205-6
20 alpha-Hydroxysteroid dehydrogenase and 17 beta-estradiol dehydrogenase localize in cytosol of human term placenta. Strickler RC, et al. **Am J Physiol** 1982 Mar; 242(3):E178-83
Partial purification and properties of diacylglycerol kinase from rat liver cytosol. Kanoh H, et al. **Arch Biochem Biophys** 1981 Jun;209(1):266-75
Acetoacetyl-coenzyme A synthetase activity in rat liver cytosol: a regulated enzyme in lipogenesis. Bergstrom JD, et al. **Biochem Biophys Res Commun** 1982 Jun 15; 106(3):856-62
Cytosolic calcium dependent proteinase of human erythrocytes: formation of an enzyme-natural inhibitor complex induced by Ca2+ ions. Melloni E, et al. **Biochem Biophys Res Commun** 1982 Jun 15;106(3):731-40
Cytosolic and mitochondrial isoenzymes of branched-chain amino acid aminotransferase during development of the rat. Kadowaki H, et al. **Biochem J** 1982 Mar 15; 202(3):777-83
Spectrophotometric assay for mammalian cytosolic epoxide hydrolase using trans-stilbene oxide as the substrate. Hasegawa LS, et al. **Biochem Pharmacol** 1982 Jun 1; 31(11):1979-84
Comparison of the properties of two cytosolic forms of aspartate aminotransferase; the predominant 'alpha' and the glycosylated 'omega' forms. Arrio-Dupont M, et al. **Biochimie** 1981 Nov-Dec;63(11-12):975-7
Interactions between soluble enzymes and subcellular structure. Masters CJ. **CRC Crit Revbiochem** 1981; 11(2):105-43 (121 ref.)
Liver cytosolic aldehyde dehydrogenase activity in the pregnant mouse. Smolen A, et al. **Dev Pharmacol Ther** 1981; 3(1):31-49
Casein kinase in cytosol of rat and mouse mammary epithelial cells isolated from histone kinase by MgCl2 treatment and influence of pregnancy and lactation on the enzyme activity. Asaga H, et al. **Endocrinol Jpn** 1981 Jun; 28(3):265-70
Dissimilarity of cytosol and mitochondrial malic enzyme from rat skeletal muscle. Swierczyński J. **Int J Biochem** 1981;13(7):843-50
A survey of multiple phosphoprotein phosphatases in cytosols from rat tissues and erythrocytes. Kinohara N, et al. **J Biochem (Tokyo)** 1982 Jan;91(1):177-90
Studies on the turnover rates of cytosolic and mitochondrial fumarases in rat liver. Kobayashi K, et al. **J Biochem (Tokyo)** 1982 May;91(5):1511-8
Purification and characterization of cytosolic and mitochondrial serine hydroxymethyltransferases from rat liver. Ogawa H, et al. **J Biochem (Tokyo)** 1981 Aug; 90(2):381-90
Biosynthesis of sulfite oxidase in rat liver - presence of a large precursor form of the enzyme in cytosol. Ono H, et al. **J Biochem (Tokyo)** 1982 Jan;91(1):117-23
[Age-related changes in the glutathione-S-transferase and glutathione peroxidase activity of rat liver cytosol] Lankin VZ, et al. **Dokl Akad Nauk SSSR** 1981;261(6):1467-70 **(Rus)**

IMMUNOLOGY

[Testing the immunological activity of cytosol components from human pulmonary carcinoma by high performance gel chromatography (author's transl)] Jandová A, et al. **Sb Lek** 1981 Oct;83(10):290-6 (Eng. Abstr.) **(Cze)**

METABOLISM

Low-molecular-weight zinc-binding proteins in liver cytosol of the allylisopropylacetamide (AIA) treated rats. Ludány A, et al. **Acta Biochim Pol** 1981;28(3-4):207-12
Surface hydrophobicity of proteins and selectivity of intracellular proteolysis. Bohley P, et al. **Acta Biol Med Ger** 1981;40(10-11):1655-8
The turnover of liver cytosol proteins in very old rats. Wiederanders B, et al. **Acta Biol Med Ger** 1981; 40(10-11):1243-7
Hypothalamic and pituitary cytosol receptors to 5 alpha-dihydrotestosterone and oestradiol-17 beta during the prepubertal period in the male lamb. Pelletier J. **Acta Endocrinol (Copenh)** 1982 Jun;100(2):161-7
Estradiol and progesterone binding in human term placental cytosol. Younes MA, et al. **Am J Obstet Gynecol** 1981 Sep 15;141(2):170-4
Stimulation of pancreatic acinar secretion: increases in cytosolic calcium and sodium. O'Doherty J, et al. **Am J Physiol** 1982 May;242(5):G513-21
Effect of ionophore A23187 on cytosolic Ca2+ and enzyme secretion. Stark RJ, et al. **Am J Physiol** 1982 Sep; 243(3):C196-9
Regulation of acyl coenzyme A reductase by a heat-stable cytosolic protein during preputial gland development. Moore C, et al. **Arch Biochem Biophys** 1982 Apr 1; 214(2):500-4
Cytosolic 25-hydroxycholesterol binding activity of Chinese hamster ovary cells. Sinensky M, et al. **Arch Biochem Biophys** 1981 Jun;209(1):314-20
Liver cytosol protein binding may be not responsible for hepatic uptake of biliary contrast agents. Leyhausen G, et al. **Arch Int Pharmacodyn Ther** 1981 Jul;252(1):4-16
Genetic variability of proteins from plasma membranes and cytosols of mouse organs. Klose J, et al. **Biochem Genet** 1981 Oct;19(9-10):859-70
Calcium-ion-binding activity in human small-intestinal mucosal cytosol. Purification of two proteins and interrelationship of calcium-binding fractions. Davie M. **Biochem J** 1981 Jul 1;197(1):55-65
Cytosolic and nuclear binding proteins for 2,3,7,8-tetrachlorodibenzo-p-dioxin in the rat thymus. Lund J, et al. **Biochim Biophys Acta** 1982 May 5; 716(1):16-23
Mitochondrial/cytosolic carbon transfer in the developing rat brain. Patel TB, et al. **Biochim Biophys Acta** 1981 Nov 5;677(3-4):373-80
Nuclear uptake and subsequent nuclear metabolism of benzo(a)pyrene complexed to cytosolic proteins. Holder GM, et al. **Cancer Res** 1981 Nov;41(11 Pt 1):4408-14
Influence of microsomal and cytosolic fractions from rat, mouse, and hamster liver on the mutagenicity of dimethylnitrosamine in the Salmonella plate incorporation assay. Prival MJ, et al. **Cancer Res** 1981 Nov;41(11 Pt 1):4361-7
Enhancement of S9 activation by S105 cytosolic fraction. Forster R, et al. **Carcinogenesis** 1981;2(11):1081-5
Lack of intracellular retinoid-binding proteins in a retinol-sensitive cell line. Libby PR, et al. **Carcinogenesis** 1982;3(5):481-4
The selective degradation of injected proteins occurs principally in the cytosol rather than in lysosomes. Bigelow S, et al. **Cell** 1981 Jul;25(1):83-93
Binding of polychlorinated biphenyls classified as either phenobarbitone-, 3-methylcholanthrene- or mixed-type inducers to cytosolic Ah receptor. Bandiera S, et al. **Chem Biol Interact** 1982 Apr;39(3):259-77
Interaction of thyroid hormones and cortisol on binding proteins of cytosol and nuclear extract of human leukocytes. Felt V, et al. **Endokrinologie** 1981 Mar; 77(3):317-24
Cytosolic and nuclear binding of 2,3,7,8-tetrachlorodibenzo-p-dioxin to the Ah receptor in extra-hepatic tissues of rats and mice. Mason ME, et al. **Eur J Biochem** 1982 Mar;123(1):209-15
Binding of 1,25-dihydroxy-[3H]vitamin D3 in nuclear and cytosol fractions of whole mouse skin in vivo and in vitro. Clemens TL, et al. **FEBS Lett** 1981 Nov 16;134(2):203-6
Characterization and measurement of cytoplasmic and nuclear oestradiol-17 beta-receptor proteins in benign hypertrophied human prostate. Auf G, et al. **J Endocrinol** 1982 Jun;93(3):305-17
Regulation of rat liver microsomal cholesterol 7 alpha-hydroxylase: reversible inactivation by ATP + Mg2+ and a cytosolic activator. Kwok CT, et al. **J Lipid Res** 1981 May;22(4):580-9
Regulation of rat liver microsomal cholesterol 7 alpha-hydroxylase: presence of a cytosolic activator. Kwok CT, et al. **J Lipid Res** 1981 May;22(4):570-9
Evidence for glucocorticoid target cells in the rat optic nerve. Physiochemical characterization of cytosol binding sites. Meyer JS, et al. **J Neurochem** 1982 Aug;39(2):435-42
Studies on estrogen receptors in the cytosol and nuclei of the rat anterior pituitary gland. Determination of specific sites by [3H]-estradiol exchange assay. Alonso GE, et al. **J Steroid Biochem** 1981 Dec;14(12):1285-91
Possible heterogeneity of glucocorticoid receptors: studies on liver and heart cytosols. Seleznev YuM, et al. **J Steroid Biochem** 1982 Jan;16(1):117-24
Saturable binding of [3H]-promegestone in sheep liver cytosol is not to receptors for progesterone or glucocorticoids. Sirett DA, et al. **J Steroid Biochem** 1982 Apr;16(4):553-5
Androgen control of cytosol progesterone receptor levels in the MT-W9B transplantable mammary tumor in the rat. Ip MM, et al. **JNCI** 1982 Sep;69(3):673-81
Nuclear estradiol receptors and regression of human breast cancer [letter] Fazekas AG, et al. **Lancet** 1982 Sep 4; 2(8297):565
Properties of beta-adrenoceptor sites in metabolizing and nonmetabolizing rat reticulocytes and in resealed reticulocyte ghosts. Porzig H, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1981;317(4):286-93
Levels and syntheses of cerebrosides and sulfatides in subcellular fractions of jimpy mutants. Yahara S, et al. **Neurochem Res** 1981 Aug;6(8):885-92
Prolactin in liver cytosol and pheromonal emission in the rat. Lee TM, et al. **Physiol Behav** 1982 Apr;28(4):631-3
In vivo and in vitro o-methylation of 1-(3,4-dihydroxyphenyl)-2-(n-propyl-amino) propane - an intermediate in N-(N-propyl) amphetamine metabolism. Coutts RT, et al. **Res Commun Chem Pathol Pharmacol** 1982 Apr;36(1):173-6
Impairment of mitochondria and Pasteur effect. I. Stimulatory effect of factors released from mitochondria on glycolysis. Tomasiak M, et al. **Rocz Akad Med Bialymstoku** 1980;25:121-30 (22 ref.)
Impairment of mitochondria and Pasteur effect. II. ATP concentration-dependent Pasteur effect. Tomasiak M, et al. **Rocz Akad Med Bialymstoku** 1980;25:131-7 (12 ref.)
Androgen binding cytosol receptors in the rat thymus:

physicochemical properties, specificity and localisation. McCruden AB, et al. **Thymus** 1981 Aug;3(2):105–17

The Ah regulatory gene product. Survey of nineteen polycyclic aromatic compounds' and fifteen benzo[a]pyrene metabolites' capacity to bind to the cytosolic receptor. Bigelow SW, et al. **Toxicol Lett** 1982 Jan;10(1):109–18

[The study of trace elements in organisms by neutron activation analysis. IV. The binding metal elements in cytosol proteins of normal and Cd injected rat liver (author's transl)] Shinogi M, et al. **Yakugaku Zasshi** 1981 Jun;101(6):515–20 (Eng. Abstr.) **(Jpn)**

[Localization of thyroxine-5' and thyroxine-5 deiodinases in the rat hepatocytes] Nauman A, et al. **Endokrynol Pol** 1981 May–Jun;32(3):245–51 (Eng. Abstr.) **(Pol)**

[3H-aldosterone binding by rat kidney cytosol in reflex and denervation dystrophy of this organ] Azhipa IaI, et al. **Izv Akad Nauk SSSR [Biol]** 1981 Jul–Aug;(4):511–7 (Eng. Abstr.) **(Rus)**

[Causes of decreased enzyme induction after long-term hormone administration: cortisol receptors in the rat liver cells] Argutinskaia SV, et al. **Probl Endokrinol (Mosk)** 1981 May–Jun;27(3):43–8 (Eng. Abstr.) **(Rus)**

[Comparative study of the estrogenic activity of modified estrogens based on data of competitive binding analysis and biological assay] Pokrovskaia EV, et al. **Probl Endokrinol (Mosk)** 1981;27(6):66–70 (Eng. Abstr.) **(Rus)**

[Incorporation C14-glycine and H3-methionine into total and cytoplasmic proteins of rat skeletal muscles in insulin deficiency and glucocorticoid hormone excess] Sidorenko DS. **Probl Endokrinol (Mosk)** 1981 Sep–Oct;27(5):59–61 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

Phosphate-dependent, trifluoperazine-sensitive Ca2+ efflux from rat liver mitochondria. Modulation by a cytosol factor. Fleschner CR, et al. **FEBS Lett** 1982 May 3; 141(1):45–8

CYTOTAXINOGENS see **CHEMOTACTIC FACTORS**

CYTOTAXINS see **CHEMOTACTIC FACTORS**

CYTOTOXIC ANTIBIOTICS see **ANTIBIOTICS, ANTINEOPLASTIC**

CYTOTOXICITY, ANTIBODY-DEPENDENT CELL see **ANTIBODY-DEPENDENT CELL CYTOTOXICITY**

CYTOTOXICITY, IMMUNOLOGIC

Spontaneous cell-mediated cytotoxicity (SCMC) in patients with alopecia universalis. Gu SQ, et al. **Acta Derm Venereol (Stockh)** 1981;61(5):434–7

Cytotoxicity of temporarily adherent human mononuclear blood cells. 2. Characterization of effector cells. Eggen BM. **Acta Pathol Microbiol Immunol Scand [C]** 1982 Jun; 90(3):129–35

Cytotoxicity of temporarily adherent human mononuclear blood cells. 1. Cytotoxic abilities of cells after detachment from culture wells. Eggen BM. **Acta Pathol Microbiol Immunol Scand [C]** 1982 Jun; 90(3):123–8

Human monocyte mediated cytotoxicity to K-562 cells: a freeze-fracture-, scanning- and thin section electron microscopic study. Espevik T, et al. **Acta Pathol Microbiol Immunol Scand [C]** 1982 Jun; 90(3):137–45

In vitro studies on the tumour cytotoxicity of normal, stimulated and immunologically activated mouse macrophages. Hansen JG, et al. **Acta Pathol Microbiol Immunol Scand [C]** 1982 Feb; 90(1):27–32

Increase of the in vitro complement-dependent cytotoxicity against autologous invasive human bladder tumor cells by neuraminidase treatment. Jacobsen F. **Acta Pathol Microbiol Immunol Scand [C]** 1982 Jun; 90(3):187–92

Dissociation between tumour cell cytostatic and immuno-suppressive capacity of human monocytes activated with lymphokines. Unsgaard G, et al. **Acta Pathol Microbiol Immunol Scand [C]** 1982 Apr; 90(2):73–9

Human monocytes induce a reversible inhibition of cell cycle progression in the leukemic cell line K-562 during co-culture in vitro. Eggen BM. **Acta Pathol Microbiol Scand [C]** 1981 Apr;89(2):85–92

Cellular and humoral factors in host susceptibility to Lewis lung carcinoma. Gundersen S, et al. **Acta Pathol Microbiol Scand [C]** 1981 Apr;89(2):123–32

Human adherent mononuclear blood cells: cytolytic and cytostatic activity and characterization of effector cells during in vitro culture. Hammerström J. **Acta Pathol Microbiol Scand [C]** 1981 Apr;89(2):115–22

In vitro cytotoxicity of lymphocyte subpopulations against autologous human bladder tumor cells. Jacobsen F. **Acta Pathol Microbiol Scand [C]** 1981 Aug;89(4):241–6

Lymphocyte cytotoxicity against autologous bladder tumor cells in humans, investigated by use of a chromium-51 release assay. Jacobsen F. **Acta Pathol Microbiol Scand [C]** 1981 Jun;89(3):175–80

Cellular and humoral in vitro cytotoxicity against autologous bladder tumor cells in humans. Differences in autologous cytotoxicity against non-invasive and invasive transitional-cell tumors of the urinary bladder. Jacobsen F. **Acta Pathol Microbiol Scand [C]** 1981 Aug;89(4):235–9

Complement-dependent in vitro cytotoxicity against autologous invasive bladder tumor cells in humans. Evaluation of the possible role of naturally-occurring antibodies in complement-dependent cytotoxicity. Jacobsen F. **Acta Pathol Microbiol Scand [C]** 1981 Oct; 89(5):297–302

Red blood cells coated with tumor cell extracts as targets in 51Cr release assays. Karjalainen HE, et al. **Acta Pathol Microbiol Scand [C]** 1981 Oct;89(5):315–9

Mechanisms of cell-mediated cytotoxicity. **Adv Exp Med Biol** 1982;146:1–597

T lymphocyte-mediated cytolysis – a comprehensive theory. I. The mechanism of CTL-mediated cytolysis. Berke G, et al. **Adv Exp Med Biol** 1982;146:57–68

Molecular interactions in T-cell mediated cytotoxicity: discrimination between the binding and lethal hit stages of cytolysis. Bonavida B. **Adv Exp Med Biol** 1982; 146:575–87

Soluble cytotoxic factors and the mechanism of NK cell mediated cytotoxicity. Bonavida B, et al. **Adv Exp Med Biol** 1982;146:379–88

Genetic aspects of macrophage activation for tumor cytotoxicity. Boraschi D. **Adv Exp Med Biol** 1982; 141:119–28

The differences in receptor cross reactivity and clonal structure between cytotoxic T lymphocytes, specific suppressor T cells and memory T cells immune to antigens of the H-2 complex. Brondz BD, et al. **Adv Exp Med Biol** 1982;146:171–89

T lymphocyte-mediated cytolysis – a comprehensive theory. II. Lytic vs. nonlytic interactions of T lymphocytes. Clark WR, et al. **Adv Exp Med Biol** 1982;146:69–79

Identification of lysis-relevant molecules on the surface of CTL: primary screening of monoclonal antibodies for the capacity to block cytolysis by cloned CTL lines. Dialynas D, et al. **Adv Exp Med Biol** 1982;146:547–56

Studies on the recognition of xenogeneic cells by nonimmune macrophages. II. Separate signals triggered cytostasis and cytolysis. Gallily R, et al. **Adv Exp Med Biol** 1982; 141:109–18

Mechanism of tumor cell lysis by natural killer cells. Goldfarb RH, et al. **Adv Exp Med Biol** 1982;146:403–21

Sequential analysis of T-cell mediated cytolysis: a brief reminder of some possibly informative markers at the recognition and lethal hit stages. Golstein P. **Adv Exp Med Biol** 1982;146:111–9

Functional relationships of lymphocyte membrane structures probed with cytolysis and/or proliferation-inhibiting H35–27.9 and H35–89.9 monoclonal antibodies. Golstein P, et al. **Adv Exp Med Biol** 1982;146:487–503

Mechanism of T cell-mediated cytolysis: an investigation of cells and stages affected by cytolysis-inhibiting monoclonal antibodies. Hayot B, et al. **Adv Exp Med Biol** 1982; 146:469–85

Lymphocyte mediated cytolysis as a secretory phenomenon. Henkart MP, et al. **Adv Exp Med Biol** 1982;146:227–47

A search for target cell structures associated with susceptibility to NK cells. Henney CS. **Adv Exp Med Biol** 1982;146:357–66

Distinctions between NK cells and CTL. Henney CS. **Adv Exp Med Biol** 1982;146:353–6

Overview on NK cells and possible mechanisms for their cytotoxic activity. Herberman RB. **Adv Exp Med Biol** 1982; 146:337–51

Activated macrophage mediated cytotoxicity for transformed target cells. Hibbs JB Jr, et al. **Adv Exp Med Biol** 1982; 146:315–35

LYT-2 negative and T cell growth factor independent cytotoxic T lymphocyte hybridomas. Kaufmann Y. **Adv Exp Med Biol** 1982;146:435–46

Mechanisms of macrophage-mediated tumor cytolysis. Key ME, et al. **Adv Exp Med Biol** 1982;146:265–314

Cell surface properties influencing target cell sensitivity for NK lysis. Kiessling R, et al. **Adv Exp Med Biol** 1982; 146:367–77

A clone specific monoclonal antibody which inhibits T cell-mediated cytolysis. Lancki DW, et al. **Adv Exp Med Biol** 1982;146:557–62

Heterogeneity of inhibition of cytolytic T lymphocyte clones by monoclonal anti-Lyt-2/3 antibodies: parallel effects on cytolysis, proliferation and lymphokine secretion. MacDonald HR, et al. **Adv Exp Med Biol** 1982;146:533–45

Inhibition of human T cell mediated cytolysis by monoclonal antibodies to effector cell surface structures. Malissen B, et al. **Adv Exp Med Biol** 1982;146:563–73

Cytotoxicity on tumor cells of human macrophages: functional status of tumor-associated effector cells. Mantovani A, et al. **Adv Exp Med Biol** 1982;141:99–108

The molecular basis for cytolytic T lymphocyte function: analysis with blocking monoclonal antibodies. Martz E, et al. **Adv Exp Med Biol** 1982;146:447–68

Membrane attack by complement (with comments on cell-mediated cytotoxicity). Mayer MM. **Adv Exp Med Biol** 1982;146:193–225

Cytolytic T lymphocyte recognition of subcellular antigen. Mescher MF, et al. **Adv Exp Med Biol** 1982;146:41–55

Somatic cell genetics of cytolytic T lymphocytes. Nabholz M. **Adv Exp Med Biol** 1982;146:427–33

Cytolytic T cell clones against H-21 region Products: an analysis using monoclonal antibodies against Ia, Lyt-2 P94, 180 cell surface antigens. Pierres A, et al. **Adv Exp Med Biol** 1982;146:505–19

Macrophage activation for tumor cytotoxicity: reactivity of peritoneal and bone marrow macrophages. Ruco LP, et al. **Adv Exp Med Biol** 1982;141:85–97

Role of cell motility in the activity of cytolytic T lymphocytes. Ryser JE, et al. **Adv Exp Med Biol** 1982; 146:23–39

Morphological aspects of lymphocyte mediated cytotoxicity. Sanderson CJ. **Adv Exp Med Biol** 1982;146:3–21

The differential effects of distinct cytolysis-inhibiting monoclonal antibodies on growth and on cytolytic activity of T cell clones. Schmitt-Verhulst AM, et al. **Adv Exp Med Biol** 1982;146:521–32

Understanding the NK cytolytic process by studying mechanisms of activation. Targan SR. **Adv Exp Med Biol** 1982;146:389–402

Direct analysis of individual killer T cells: susceptibility of target cells to lysis and secretion of hydrolytic enzymes by CTL. Zagury D. **Adv Exp Med Biol** 1982;146:149–69

Immunologic evaluation of long-term effects of childhood ALL chemotherapy: analysis of in vitro NK- and K-cell activities of peripheral blood lymphocytes. McGeorge MB, et al. **Am J Hematol** 1982 Feb;12(1):19–27

Morphologic observations of contact-induced lysis of EBV-infected B lymphocytes by autologous hand mirror T cells. Thomas WJ, et al. **Am J Hematol** 1982 Apr; 12(2):109–19

Fetal cytotoxic antibodies to maternal T-lymphocytes: a possible mechanisms for maternal tolerance of the fetal allograft. Mathur S, et al. **Am J Reprod Immunol** 1982 Feb; 2(1):23–8

Lymphocyte cytotoxicity assay for predicting preterm delivery of small for date babies. Szekeres-Bartho J, et al. **Am J Reprod Immunol** 1982 Apr;2(2):102–3

Bovine monocyte-induced tumor cell cytotoxicosis. Atluru D, et al. **Am J Vet Res** 1982 Jun;43(6):989–91

Cytotoxic effect of Pasteurella haemolytica on bovine polymorphonuclear leukocytes and impaired production of chemotactic factors by Pasteurella haemolytica-infected alveolar macrophages. Markham RJ, et al. **Am J Vet Res** 1982 Feb;43(2):285–8

Spontaneous lymphocyte-mediated (NK cell) cytotoxicity in systemic sclerosis: a comparison with antibody-dependent lymphocyte (K cell) cytotoxicity. Wright JK, et al. **Ann Rheum Dis** 1982 Aug;41(4):409–13

Lymphocyte cytotoxicity in systemic sclerosis: no increase on short-term culture with established human cell lines. Wright JK, et al. **Ann Rheum Dis** 1982 Aug;41(4):414–6

Natural cell-mediated cytotoxic activity in the peripheral blood of patients with atopic dermatitis. Kusaimi NT, et al. **Arch Dermatol** 1982 Aug;118(8):568–71

Comparison of the natural cell mediated and antibody dependent cell mediated cytotoxicity measured as a function of target cell number in patients with mammary tumors and healthy female blood donors. Bakaćs T, et al. **Arch Geschwulstforsch** 1981;51(4):327–37

Expansion of autorecognitive cytotoxic effectors in human cancer by T cell growth factor (Interleukin 2)1. Vose BM. **Arch Geschwulstforsch** 1981;51(4):317–26

Cell-mediated cytotoxicity and childhood dermatomyositis. Iannaccone ST, et al. **Arch Neurol** 1982 Jul;39(7):400–2

Natural cell-mediated cytotoxicity in Sjögren's syndrome and rheumatoid arthritis. Goto M, et al. **Arthritis Rheum** 1981 Nov;24(11):1377–82

Cytotoxic T cell interactions with antigen. Potential relevance for drug-related lupus. Shaw S, et al. **Arthritis Rheum** 1981 Aug;24(8):1037–43

Spontaneous cytotoxicity. Ceredig R. **Aust J Exp Biol Med Sci** 1981 Dec;59(Pt 6):681–94

H-2 restriction pattern of secondary influenza virus-immune cytolytic T cells. Ertl HC. **Aust J Exp Biol Med Sci** 1981 Oct;59(Pt 5):585–97

Two anti-tumour cytotoxic cells in the peritoneal cavity of rats: natural occurrence, augmentation and partial characterization. Inoue Y, et al. **Aust J Exp Biol Med Sci** 1982 Feb;60(Pt 1):41–53

Characterization of the effector cells responsible for tumour resistance in Salmonella enteritidis 11RX-immunized mice. La Posta VJ, et al. **Aust J Exp Biol Med Sci** 1982 Feb; 60(Pt 1):23–39

Human allogeneic responses: lymphokine requirement for the in vitro generation of specific cytotoxic responses to a malignant melanoma cell line. Warren HS, et al. **Aust J Exp Biol Med Sci** 1982 Apr;60(Pt 2):215–7

Characterization of a genetically segregating determinant of chicken fetal antigen by a new hapten inhibition of microcytotoxicity (HIM) assay. Lewin HA, et al. **Biochem Genet** 1982 Jun;20(5–6):425–36

The mechanism of lymphocyte-mediated cytotoxicity. Sanderson CJ. **Biol Rev** 1981 May;56(2):153–97 (143 ref.)

Lysozyme enhances monocyte-mediated tumoricidal activity: a potential amplifying mechanism of tumor killing. LeMarbre P, et al. **Biol J** 1981 Nov;58(5):994–9

Protein A adsorption of acute myelogenous leukemia serum induces in vitro blast lysis. Miller WJ, et al. **Blood** 1982 Jun;59(6):1344–7

Cytotoxic antibodies in cancer patients: possibilities of correlation with HLA antigens. Laurentaci G, et al. **Boll Ist Sieroter Milan** 1981;60(1):52–6

Direct and serum-induced lymphocytotoxicity against rabbit hepatocytes in chronic active hepatitis. Ortona L, et al. **Boll Ist Sieroter Milan** 1981;60(1):46–51

Characterization of a very-low-density lipoprotein (VLDL)-associated cytotoxic factor. Chan SY, et al. **Br J Cancer** 1981 Sep;44(3):410–7

Corynebacterium parvum stimulation of adherent and non-adherent cytotoxic cells in mice. Hassan ZM, et al. **Br J Cancer** 1981 Oct;44(4):532–8

Tumour-associated antigens reacting with cytotoxic antibodies in serum of hepatoma-bearing rats. Lando P, et al. **Br J Cancer** 1981 Oct;44(4):522–31

Lymphocyte-mediated cytotoxicity against gliomas. Rainbird S, et al. **Brain** 1981 Sep;104(3):451–64

Cytotoxicity of cancer patient's macrophages for tumor cells. Cameron DJ, et al. **Cancer** 1982 Aug 1;50(3):498–502

Regression of canine mammary carcinoma after immunoadsorption therapy. Holohan TV, et al. **Cancer Res** 1982 Sep;42(9):3663–8

Mode of action of polyethylene glycol 6000 in potentiating the in vitro generation of antitumor cytotoxicity by MOPC-315 tumor bearer spleen cells. Mokyr MB, et al. **Cancer Res** 1982 Jul;42(7):2537–43

Depression of the generation of cell-mediated cytotoxicity by macrophage-like suppressor cells in bladder carcinoma patients. Spina CA, et al. **Cancer Res** 1981 Nov;41(11 Pt 1):4324–30

Natural and antibody-dependent cell-mediate cytotoxicity to cultured target cells superinfected with Epstein-Barr virus. Takasugi M, et al. **Cancer Res** 1982 Apr; 42(4):1208–14

Cross-reacting antigens on L5178Y cells which serve as targets for cytotoxic T-lymphocyte lysis during establishment of the tumor dormant state. Weinhold KJ, et al. **Cancer Res** 1982 Sep;42(9):3607–16

Effect of fatty acid modification of cultured hepatoma cells on susceptibility to natural killer cells. Yoo TJ, et al. **Cancer Res** 1982 Sep;42(9):3596–600

Stimulation of human lymphocytes with irradiated cells of the autologous Epstein-Barr virus-transformed cell line. II. Cytotoxic response to repeated stimulation. Allen DJ, et al. **Cell Immunol** 1982 Feb;67(1):141–51

A monoclonal antibody to an interspecies major histocompatibility determinant inhibits a virus-specific T-cell clone. Allouche M, et al. **Cell Immunol** 1982 Mar 15;68(1):193–8

Activation of rat and human eosinophils by soluble factor(s) released by Schistosoma mansoni Schistosomula. Auriault C, et al. **Cell Immunol** 1982 Jan 1;66(1):59–69

Cytolytic T lymphocyte mediated chromium-51 release versus spontaneous release from blast and spleen cell targets at low temperatures. Balk SP, et al. **Cell Immunol** 1981 Nov 15;65(1):201–5

Studies on the mechanism of T-Cell-mediated lysis. XIII. Lectin-dependent T-cell-mediated cytotoxicity is supported by con A-coupled sepharose beads. Ballas ZK, et al. **Cell Immunol** 1981 Apr;59(2):411–8

Antitumor immunity in B-lymphocyte-deprived mice. II. In vitro studies. Brodt P, et al. **Cell Immunol** 1981 Nov 15; 65(1):20–32

Opposing effects of human peripheral blood lymphocytes on the growth of cultured leukemia cell lines. Carlquist JF, et al. **Cell Immunol** 1982 May 15;69(2):381–7

Cytotoxicity to allogeneic cells in the chicken. II. Specific cytotoxic T cells and macrophages in the spleens of agammaglobulinemic and normal alloimmune chickens. Chi DS, et al. **Cell Immunol** 1981 Nov 1;64(2):246–57

Studies on T helper cells and the specificity of their soluble products for induction of cytotoxic T cells directed against trinitrophenyl-modified self. Cooley MA, et al. **Cell Immunol** 1982 Mar 1;67(2):287–98

Accessory function of a small radioresistant spleen cell population in the generation of T-cell-mediated cytotoxicity. D'Angeac AD, et al. **Cell Immunol** 1982 Mar 15;68(1):1–15

Inhibition of human lectin-dependent cell-mediated cytotoxicity, natural killer-like cytotoxicity, and cytotoxic T-lymphocyte-mediated cytolysis by xenoantisera raised against concanavalin A-stimulated human lymphocytes. Devlin JJ, et al. **Cell Immunol** 1982 Mar 15;68(1):64–74

Expression of subregion and haplotype preference for H-2Kk restricted cytotoxic t-cell responses in vivi and at the level of the precursor frequencies. Dröge W, et al. **Cell Immunol** 1981 Oct;64(1):53–63

The role of lymphotoxin in natural cell-mediated cytotoxicity. Evans CH. **Cell Immunol** 1981 Sep 1; 63(1):1–15

Characterization of blood mononuclear cells reacting with K 562 cells after yellow fever vaccination. Fagraeus A, et al. **Cell Immunol** 1982 Feb;67(1):37–48

Human E-rosette-positive cells which bind monomeric IgG mediate natural cytotoxicity. Froelich CJ, et al. **Cell Immunol** 1982 Jan 1;66(1):190–4

Augmentation of natural killer cells involves both enhancement of lytic machinery and expression of new receptors. Gustafsson A, et al. **Cell Immunol** 1981 Aug; 62(2):367–76

Ultrastructure of an influenza virus-specific cytotoxic T-cell clone and its interaction with P815 and macrophage targets. Hackett CJ, et al. **Cell Immunol** 1982 Apr;68(2):276–86

H-2 antigens incorporated into phospholipid vesicles interact specifically with allogeneic cytotoxic T lymphocytes. Hale AH, et al. **Cell Immunol** 1981 Sep 1;63(1):42–56

Characterization of the recognition of target cells sensitive to or resistant to cytolysis by activated macrophages. II. Competitive inhibition of macrophage-dependent tumor cell killing by mitogen-induced, nonmalignant lymphoblasts. Hamilton TA, et al. **Cell Immunol** 1982 Mar 15;68(1):155–64

Natural killer cells induced by acute and chronic toxoplasma infection. Hauser WE Jr, et al. **Cell Immunol** 1982 May 15;69(2):330–46

Endocytosis in cytotoxic T-lymphocytes. Heiniger HJ, et al. **Cell Immunol** 1981 Apr;59(2):429–34

Effect of human recombinant interferon on cytotoxic activity of natural killer (NK) cells and monocytes. Herberman RB, et al. **Cell Immunol** 1982 Feb;67(1):160–7

Cytotoxic cells induced in vitro by Epstein-Barr Virus antigens. Hutt-Fletcher LM, et al. **Cell Immunol** 1981 Sep 1;63(1):91–105

Propagation of mouse cytotoxic clones with characteristics of natural killer (NK) cells. Kedar E, et al. **Cell Immunol** 1982 May 15;69(2):305–29

Macrophage-mediated cytolysis of erythrocytes in the guinea pig. II. Role of oxidative burst products in macrophage cytotoxicity activated by lectins and phorbol ester derivatives. Keisari Y. **Cell Immunol** 1982 Feb;67(1):60–73

Cytolytic T lymphocyte responses to metabolically inactivated stimulator cell. I. Metabolic inactivation impairs both CD and LD antigen signals. Kelso A, et al. **Cell Immunol** 1982 Mar 1;67(2):355–69

Cytolytic T lymphocyte responses to metabolically inactivated stimulator cells. II. Effect of a soluble 'costimulator' factor(s) in primary and secondary mixed leukocyte culture. Kelso A, et al. **Cell Immunol** 1982 Mar 1;67(2):370–83

Peritoneal adherent cell inhibit the generation of cytotoxic T lymphocytes with prostaglandin-mediated system. Koga Y, et al. **Cell Immunol** 1982 Jan 1;66(1):195–201

Rat antisera directed against alloimmune murine cytotoxic T lymphocytes inhibit cytotoxic T-lymphocyte and natural killer activity: strain specificity of inhibition. Lawlor DA, et al. **Cell Immunol** 1982 Mar 15;68(1):128–38

Activation of human blood lymphocyte subsets for cytotoxic potential. Masucci G, et al. **Cell Immunol** 1982 May 1; 69(1):21–33

Macrophage activation for tumor cytotoxicity: control of cytotoxic activity by the time interval effector and target cells are exposed to lymphokines. Nakamura RM, et al. **Cell Immunol** 1981 Nov 15;65(1):52–65

Limiting dilution analysis of the specificity of influenza-immune cytotoxic T cells. Owen JA, et al. **Cell Immunol** 1982 Feb;67(1):49–59

12-O- tetradecanoylphorbol- 13 acetate (TPA) treatment elevates the natural killer (NK) sensitivity of certain human lymphoid lines. Patarroyo M, et al. **Cell Immunol** 1981 Sep 15;63(2):237–48

Stimulatory cells in the generation of T-cell-mediated cytotoxicity: potent stimulating activity of a small radioresistant spleen cells population (RSCs). Reme T, et al. **Cell Immunol** 1981 Sep 15;63(2):335–48

In vitro sensitization with HSV-infected cells induces T micro cells to become cytotoxic T gamma cells which are theophylline resistant. Rola-Pleszczynski M. **Cell Immunol** 1981 Nov 1;64(2):220–6

Culture-generated suppressor cells: evidence for an adherent cell component. Rollwagen FM, et al. **Cell Immunol** 1981 Nov 1;64(2):371–80

Porcine alveolar macrophages discriminate between self and nonself in lectin-mediated cellular cytotoxicity. Rothlein R, et al. **Cell Immunol** 1982 Apr;68(2):368–76

Modulation of natural cytotoxicity by alloantibodies. IV. A comparative study of the activation of mouse spleen cell cytotoxicity by anti H-2 antisera, interferon, and mitogens. Saxena RK, et al. **Cell Immunol** 1981 Sep 1;63(1):28–41

Modulation of natural cytotoxicity by alloantibodies. V. The mechanism of a selective augmenting effect of anti-H-2 antisera on the natural killer activity of mouse spleen cells. Saxena RK, et al. **Cell Immunol** 1981 Nov 15;65(1):115–30

Relationship between cell-mediated and humoral immune attack on tumor cells. II. The role of cellular lipid metabolism and cell surface charge in the outcome of immune attack. Schlager SI. **Cell Immunol** 1982 Jan 15; 66(2):300–16

Cell-mediated cytotoxicity against syngeneic tumors. Sinclair NR, et al. **Cell Immunol** 1981 Apr;59(2):330–44

T-lymphocyte heterogeneity in rat: role of adherent T-cell subpopulation in the regulation of cytotoxic T-cell response to alloantigens. Sopori ML, et al. **Cell Immunol** 1981 Nov 15;65(1):103–14

A permanent human cytotoxic T-cell line with high killing capacity against a lymphoblastoid B-cell line shows preference for HLA A, B target antigens and lacks spontaneous cytotoxic activity. Spits H, et al. **Cell Immunol** 1981 Apr;59(2):435–47

Studies of the mechanisms for the induction of in vivo tumor immunity. VI. Induction of specific and nonspecific cell-mediated immunity in tumor-bearing hosts and its correlation with transplantation tumor immunity. Ting CC, et al. **Cell Immunol** 1982 Jan 1;66(1):45–58

Activation of natural killer cells in vitro by a product of beta-hemolytic streptococci. Tomar RH, et al. **Cell Immunol** 1982 May 15;69(2):388–94

Cell-mediated cytotoxicity to non-MHC alloantigens on mouse epidermal cells. IV. An alloantigen shared with B cells but not T cells. Tyler JD, et al. **Cell Immunol** 1982 Mar 15;68(1):93–103

Inhibition of the lytic phase of murine t-cell-mediated alloimmune cytotoxicity by a rat antiactivated t-cell antiserum. Ware CF, et al. **Cell Immunol** 1981 Apr; 59(2):289–300

Tumor cell differentiation modulates susceptibility to natural killer cells. Werkmeister J, et al. **Cell Immunol** 1982 May 1;69(1):122–7

Generation of cytotoxic T lymphocytes against TNP-haptenated syngeneic cells in microcultures: the effect of nude spleen cells as accessory cells. Wolf M, et al. **Cell Immunol** 1981 Aug;62(2):385–95

The requirement of Ia-positive accessory cells for the induction of tumor-specific cytotoxic T lymphocytes in vitro. Yamashita U, et al. **Cell Immunol** 1981 Aug; 62(2):425–35

Suppression of natural cell-mediated cytotoxicity in man by maternal and neonatal serum. Barrett DS, et al. **Clin Exp Immunol** 1982 Mar;47(3):742–8

Natural cytotoxic activity in human lungs. Bordignon C, et al. **Clin Exp Immunol** 1982 Feb;47(2):437–44

Spontaneous and antibody-dependent cellular cytotoxicity by lymphocyte subpopulations in peripheral blood and spleen from adult untreated patients with Hodgkin's disease. Gupta S, et al. **Clin Exp Immunol** 1981 Jul; 45(1):205–14

Effects of islet cell surface antibodies and complement on the release of insulin and chromium from perifused beta cells. Kanatsuna T, et al. **Clin Exp Immunol** 1982 Jan; 47(1):85–92

In vitro augmentation of human natural cytotoxic activity. Potter MR, et al. **Clin Exp Immunol** 1981 May;44(2):332–41

Heterogeneity in the size and stability of transmembrane channels produced by whole complement. Boyle MD, et al. **Clin Immunol Immunopathol** 1981 Sep;20(3):287–95

Natural cytotoxicity and antibody-dependent cytotoxicity in solid tumor cancer patients: regulation by adherent cells. DeBoer KP, et al. **Clin Immunol Immunopathol** 1982 Apr; 23(1):133–44

Natural killer activity against retrovirus infected cells: dichotomy in NK sensitivity of infected T and B cells. Dubey DP, et al. **Clin Immunol Immunopathol** 1982 May; 23(2):215–23

Autoimmune thyroiditis in the rat induced by thymectomy and low doses of irradiation: nature of effector cells and demonstration of antifollicular epithelial cell autoantibodies. Kotani T, et al. **Clin Immunol Immunopathol** 1982 Jul;24(1):111–21

Anomalous killer cells: thymus cell dependency, precursor frequency, and response to immunosuppressive therapy. Merluzzi VJ, et al. **Clin Immunol Immunopathol** 1982 Jul; 24(1):83–92

Depressed natural killer cell activity in children with protein-calorie malnutrition. Salimonu LS, et al. **Clin Immunol Immunopathol** 1982 Jul;24(1):1–7

Natural killer activity and lymphocyte subpopulations in patients with primary humoral and cellular immunodeficiencies. Sirianni MC, et al. **Clin Immunol Immunopathol** 1981 Oct;21(1):12–9

Detection of natural killer cell-mediated cytotoxicity in hamsters, using Raji target cells. Tsang KY, et al. **Clin Immunol Immunopathol** 1981 Dec;21(3):332–40

Lysis of autologous Epstein-Barr virus-infected B cells by cytotoxic T lymphocytes of rheumatoid arthritis patients. Tsoukas CD, et al. **Clin Immunol Immunopathol** 1982 Jul; 24(1):8–14

Stimulatory effects on various immunologic responses by ascites fluids from patients with metastatic malignancy. Wang BS, et al. **Clin Immunol Immunopathol** 1981 Oct; 21(1):83–93

The mechanism of T cell-mediated cytolysis. Green WR, et al. **CRC Crit Rev Immunol** 1981 Feb;1(4):259–86 (127 ref.)

Humoral immune killing of nucleated cells: mechanisms of complement-mediated attack and target cell defense. Ohanian SH, et al. **CRC Crit Rev Immunol** 1981 Jan; 1(3):165–209 (317 ref.)

Complement-dependent cytotoxicity in rats bearing human adenovirus type 12-induced primary retinoblastoma-like tumor in the eye. Nishida T, et al. **Curr Eye Res** 1981; 1(1):53–5

Cytotoxic T cell hybridomas: generation and characterization. Eshhar Z, et al. **Curr Top Microbiol Immunol** 1982;100:11–8

Surveillance of primitive cells by natural killer cells. Kiessling R, et al. **Curr Top Microbiol Immunol** 1981;92:107–23 (75 ref.)

Lectin-dependent cytolytic and cytolymic T helper clones and hybridomas. Lindahl KF, et al. **Curr Top Microbiol Immunol** 1982;100:1–10

Analysis of the anti-self + TNP immune response: T cell lines, clones and hybridomas. Schmitt-Verhulst AM, et al. **Curr Top Microbiol Immunol** 1982;100:125–34

Lymphocytotoxicity for oral epithelial cells in Behçet's disease: a case report. Reimer G, et al. **Dermatologica** 1982 Feb;164(2):82–9

Lectin-induced mitogenesis of cytotoxic amebae (Nuclearia) isolated from Biomphalaria glabrata (Mollusca:Gastropoda). Bayne CJ. **Dev Comp Immunol** 1982 Spring;6(2):369–73

Identification of carcinogens by measurement of cell-mediated immunity. III. Immunity to asbestos-induced rat peritoneal mesothelioma. Cole DA, et al. **Environ Res** 1982 Jun;28(1):77-83

Rous sarcoma virus-induced tumors in mice--I. Macrophage-mediated natural cytotoxicity. Giovarelli M, et al. **Eur J Cancer Clin Oncol** 1982 Mar;18(3):307-15

Macrophage activation by interferon: dissociation between tumoricidal capacity and suppressive activity. Boraschi D, et al. **Eur J Immunol** 1982 Apr;12(4):320-6

Antigen-dependent, H-2-restricted cytolytic and noncytolytic T cell lines with specificity for minor histocompatibility antigens. Di Pauli R, et al. **Eur J Immunol** 1982 May;12(5):365-73

Non-H-2-associated genetic regulation of cytotoxic responses to hapten-modified syngeneic cells. Effect on the magnitude of secondary response and helper T cell generation after in vivo priming. Fujiwara H, et al. **Eur J Immunol** 1981 Sep;11(9):700-4

Heterogeneity of soluble T cell products. I. Precursor frequency and correlation analysis of cytotoxic and immune interferon (IFN-gamma)-producing spleen cells in the mouse. Krammer PH, et al. **Eur J Immunol** 1982 Mar; 12(3):200-4

Role of non-H-2 antigens in the cytotoxic T cell response to allogeneic H-2. Langhorne J, et al. **Eur J Immunol** 1982 Feb;12(2):101-6

Countercurrent distribution of human peripheral blood lymphocytes: isolation of a subpopulation enriched with natural killer and K cells. Levy EM, et al. **Eur J Immunol** 1981 Nov;11(11):952-5

Recruitment of functional subpopulations of T lymphocytes. Initiator T lymphocytes recruit helper T cells for cytotoxic response. Livnat S, et al. **Eur J Immunol** 1982 Apr; 12(4):313-9

A subset of human cells isolated and characterized by monoclonal antibodies. Lohmeyer J, et al. **Eur J Immunol** 1981 Dec;11(12):997-1001

Enumeration of alloreactive helper T lymphocytes which cooperate with cytolytic T lymphocytes. Lutz CT, et al. **Eur J Immunol** 1981 Sep;11(9):726-34

Cell surface phenotype of cytolytic T lymphocyte precursors in aged nude mice. Maryanski JL, et al. **Eur J Immunol** 1981 Dec;11(12):968-72

Immunogenic variants obtained by mutagenesis of mouse mastocytoma P815. III. Clonal analysis of the syngeneic cytolytic T lymphocyte response. Maryanski JL, et al. **Eur J Immunol** 1982 May;12(5):401-6

Immunogenic variants obtained by mutagenesis of mouse mastocytoma P815. IV. Analysis of variant-specific antigens by selection of antigen-loss variants with cytolytic T cell clones. Maryanski JL, et al. **Eur J Immunol** 1982 May;12(5):406-12

Influence of IgG and IgM receptor triggering on human natural killer cell cytotoxicity measured on the level of the single effector cell. Merrill JE, et al. **Eur J Immunol** 1981 Jul;11(7):536-41

Decline, in aging mice, of the anti-2,4,6-trinitrophenyl (TNP) cytotoxic T cell response attributable to loss of Lyt-2-, interleukin 2-producing helper cell function. Miller RA, et al. **Eur J Immunol** 1981 Oct;11(10):751-6

Cytotoxic T cell recognition of Epstein-Barr virus-infected B cells. I. Specificity and HLA restriction of effector cells reactivated in vitro. Moss DJ, et al. **Eur J Immunol** 1981 Sep;11(9):686-93

Variation of interferon induction at the bone marrow level. Studies on interferon induction in relation to natural cell-mediated cytotoxic mechanisms. Orn A, et al. **Eur J Immunol** 1981 Oct;11(10):795-9

Inhibition of murine T cell-mediated cytolysis and T cell proliferation by a rat monoclonal antibody immunoprecipitating two lymphoid cell surface polypeptides of 94 000 and 180 000 molecular weight. Pierres M, et al. **Eur J Immunol** 1982 Jan;12(1):60-9

T-T cell interactions during cytotoxic T cell responses. IV. Murine lymphoid dendritic cells are powerful stimulators for helper T lymphocytes. Röllinghoff M, et al. **Eur J Immunol** 1982 Apr;12(4):337-42

The role of monovalent cations in the interaction between the cytotoxic T lymphocyte and its target. Russell JH, et al. **Eur J Immunol** 1981 Oct;11(10):840-3

Regulation of in vitro cytotoxic T lymphocyte generation. II. Demonstration of noncytotoxic alloantigen-specific suppressor T lymphocytes. Schwartz A, et al. **Eur J Immunol** 1982 May;12(5):380-6

Natural killer activity of gut mucosal lymphoid cells in mice. Tagliabue A, et al. **Eur J Immunol** 1981 Nov;11(11):919-22

Cytotoxic T cell recognition of Epstein-Barr virus-infected B cells. II. Blocking studies with monoclonal antibodies to HLA determinants. Wallace LE, et al. **Eur J Immunol** 1981 Sep;11(9):694-9

Expression of Qat-4 and Qat-5 alloantigens on cytotoxic precursor and effector cells: different surface phenotypes of alloreactive and H-2 restricted cytotoxic T cells. Zahn G, et al. **Eur J Immunol** 1982 Jan;12(1):43-50

Natural cytotoxicity against chemically induced neurogenic rat tumors. De Bernardo E. **Exp Cell Biol** 1982;50(1):39-55

Schistosoma mansoni: acquired resistance of developing schistosomula to immune attack in vitro. McLaren DJ, et al. **Exp Parasitol** 1982 Apr;53(2):285-98

Macrophage activation for tumor cytotoxicity: regulatory mechanisms for induction and control of cytotoxic activity. Meltzer MS, et al. **Fed Proc** 1982 Apr;41(6):2198-205

Natural cytotoxic cells against solid tumors in mice: a comparison with natural killer cells. Stutman O, et al. **Fed Proc** 1981 Oct;40(12):2699-704

Antagonistic effects of interferons on the cytotoxicity mediated by natural killer cells. Trinchieri G, et al. **Fed Proc** 1981 Oct;40(12):2705-10

Induction of specific cell-mediated cytoxicity in vitro by means of RNA isolated from allografted mice. Holáň V, et al. **Folia Biol (Praha)** 1981;27(6):422-6

Elevated cytostatic activity of monocytes from cancer patients. Mashiba H, et al. **Gan** 1981 Dec;72(6):848-53

The possible involvement of Kupffer cell-mediated hepatocytotoxicity in the pathogenesis of liver injuries. Mizoguchi Y, et al. **Gastroenterol Jpn** 1981;16(4):377-83

Cell-mediated cytotoxicity of mononuclear cells isolated from cancer and normal mucosa of the stomach. Sakai Y, et al. **Gastroenterology** 1982 Jun;82(6):1374-80

Role of autologous lymphocyte cytotoxicity in colonic neoplasia. Gallagher P, et al. **Gut** 1982 Jan;23(1):31-5

The macrophage as a cytotoxic effector cell. Lohmann-Matthes ML. **Hamatol Bluttransfus** 1981; 27:49-57

Possible involvement of macrophage-mediated hepatocytotoxicity in chronic active hepatitis: the induction of liver cell injury by culture supernatant of MAF-activated macrophages. Mizoguchi Y, et al. **Hepatogastroenterology** 1981 Oct;28(5):254-7

Immunological studies on chronic active hepatitis: possible involvement of macrophage-mediated cytotoxicity in its immunopathogenesis. Mizoguchi Y, et al. **Hepatogastroenterology** 1981 Oct;28(5):250-3

Cell mediated cytotoxicity against HLA-D region products expressed in monocytes and B lymphocytes. III. Inhibition by monoclonal antibodies and study of an HLA-B/DR recombinant. Ball EJ, et al. **Hum Immunol** 1981 Jul; 2(4):305-13

Cytotoxic effector cells against HLA antigens in strong linkage disequilibrium: identification of a strong, new CML determinant. Christiansen FT, et al. **Hum Immunol** 1981 Feb;2(1):15-29

Critical appraisal of complement dependent microlymphocytotoxicity assay for detecting donor-specific alloantibody pretransplant--importance of indirect immunofluorescence as a superior alternative. Lobo PI, et al. **Hum Immunol** 1981 Feb;2(1):55-64

Expansion of human lymphocyte populations expressing specific immune reactivities. III. Specific colonies, either cytotoxic or proliferative, obtained from a population of responder cells primed in vitro. Preliminary immunogenetic analysis. Malissen B, et al. **Hum Immunol** 1981 Feb; 2(1):1-13

Partial purification and some properties of BB7.2. A cytotoxic monoclonal antibody with specificity for HLA-A2 and a variant of HLA-A28. Parham P, et al. **Hum Immunol** 1981 Dec;3(4):277-99

In vitro cell-mediated cytotoxicity to the male specific (H-Y) antigen in man. Singal DP, et al. **Hum Immunol** 1981 Feb; 2(1):45-53

Early detection and specificity analysis of human cytolytic T lymphocyte (CTL) colonies generated in soft agarose culture: a potential assay for definition of CTL defined (CD) determinants. Wee SL, et al. **Hum Immunol** 1981 Aug; 3(1):45-56

Functional and antigenic properties of cultured T cells in the cell mediated lympholysis (CML) assay. Zier KS. **Hum Immunol** 1982 Apr;4(2):147-56

Variations in the intensity of BCG-potentiated alloimmune anti-tumor responses: the differential stimulation of T-cell subpopulations. Davies M, et al. **Immunobiology** 1981; 160(3-4):311-20

Immune response to weakly immunogenic virally induced tumors. IX. Mice injected with the in vitro variant of YAC tumor (YAC-1) resist lethal doses of the tumorigenic YAC cells. Devens B, et al. **Immunobiology** 1981;159(4-5):432-43

Heterogeneity of cells and factors participating in the concanavalin A-dependent activation of T lymphocytes with cytotoxic potential. Larsson EL, et al. **Immunobiology** 1982 Mar;161(1-2):5-20 (57 ref.)

Induction of natural killer cells during murine influenza virus infection. Leung KN, et al. **Immunobiology** 1981; 160(3-4):352-66

Macrophages as cytotoxic effector cells. Lohmann-Matthes ML, et al. **Immunobiology** 1982 Apr;161(3-4):401-7

Cytolytic T lymphocyte clones. MacDonald HR, et al. **Immunobiology** 1982 Mar;161(1-2):84-106 (41 ref.)

Cytolytic human T-cell clones expressing Epstein-Barr virus specificity and HLA restriction. Sethi KK, et al. **Immunobiology** 1981;160(3-4):274-88

The in vivo effects of interleukin 2 (TCGF). Wagner H, et al. **Immunobiology** 1982 Mar;161(2-2):139-56 (46 ref.)

Use of hybridoma-resident variant cell lines to study H-2Db/FMR-specific cytotoxic T cells. Chapdelaine JM, et al. **Immunogenetics** 1981;14(5):429-36

Recognition of human minor alloantigen(s) by cytotoxic lymphocytes in vitro. Elkins WL, et al. **Immunogenetics** 1982;15(5):485-99

Differential behavior of cytotoxic effector cells against HLA antigens in strong genetic linkage disequilibrium. Kim SJ, et al. **Immunogenetics** 1981;13(4):297-309

HLA-DR antigens induce proliferation and cytotoxicity of T cells against haptenated (TNP and FITC) self structures. Palacios R, et al. **Immunogenetics** 1981;14(5):367-82

Inhibition of killer-target cell interaction by monoclonal anti-Ly-m11 antibody. Tomonari K, et al. **Immunogenetics** 1982;15(6):605-8

Cytolytic T cells activated by H-2-controlled E molecules cross-react with A molecules. Vučak I, et al. **Immunogenetics** 1982;15(5):519-27

Cytotoxic T lymphocyte lines (CTLL) against a human minor alloantigen. Zier KS, et al. **Immunogenetics** 1982; 15(5):501-8

Differential variations of sensitivities of TNP-modified lymphoma cells to lysis by cytotoxic lymphocytes and by antibodies. Bischoff P, et al. **Immunol Lett** 1982 Feb; 4(2):107-11

Target lymphoid cells for the cytotoxic factor produced in the spleen of dengue virus-infected mice. Chaturvedi UC, et al. **Immunol Lett** 1981 Apr;3(1):13-6

The involvement of Lyt-2 antigens in the lysis of virus-infected target cells by antigen specific anti-vesicular stomatitis virus cytotoxic T-lymphocytes. Hale AH. **Immunol Lett** 1981 Aug;3(3):179-81

Decreased antibody-dependent and spontaneous cell-mediated cytotoxicity in patients with chronic renal failure. Láng I, et al. **Immunol Lett** 1981 Nov;3(5):267-71

Cloned human T-cell lines with allospecific or natural killer-like cytotoxicity. Pawelec G, et al. **Immunol Lett** 1982 May;4(5):237-42

Natural anti-lymphoma activity in C57BL/6 mice: time course of appearance and nature of cytotoxic antibodies. Rubio N. **Immunol Lett** 1981 Oct;3(4):195-8

Cultured human T-cell lines kill autologous solid tumours. Vose BM, et al. **Immunol Lett** 1981 Oct;3(4):237-41

Cell membrane antigens recognized by anti-viral and anti-trinitrophenyl cytotoxic T lymphocytes. Ciavarra R, et al. **Immunol Rev** 1981;58:73-94 (76 ref.)

Development and loss of virus-specific thymic competence in bone marrow radiation chimeras and normal mice. Doherty PC, et al. **Immunol Rev** 1981;58:37-72 (89 ref.)

Induction, control and consequences of virus specific cytotoxic T cells. Finberg R, et al. **Immunol Rev** 1981; 58:157-80 (70 ref.)

The preparation and cytotoxic properties of antibody-toxin conjugates. Thorpe PE, et al. **Immunol Rev** 1982;62:119-58 (76 ref.)

Impact of thymus on the generation of immunocompetence and diversity of antigen-specific MHC-restricted cytotoxic T-lymphocyte precursors. Wagner H, et al. **Immunol Rev** 1981;58:95-129 (64 ref.)

Experiments and speculation on antiviral specificity of T and B cells. Zinkernagel RM, et al. **Immunol Rev** 1981; 58:131-55 (114 ref.)

The antibody-independent cytotoxic activity of normal circulating human leucocytes. I. Lysis of target cells by monocytes and neutrophils in a non-phagocytic pathway. Banerjee D, et al. **Immunology** 1981 Sep;44(1):97-107

Inability of tumour cells to elicit the respiratory burst in cytotoxic, activated macrophages. Bryant SM, et al. **Immunology** 1982 Mar;45(3):577-85

Alloreactive cytotoxic T lymphocyte responses to H-2 products on purified accessory cells. Czitrom AA, et al. **Immunology** 1982 Mar;45(3):553-60

Cytotoxic T cells in small intestine epithelial, lamina propria and lung lymphocytes. Davies MD, et al. **Immunology** 1981 Oct;44(2):367-71

Mechanism of stimulation of natural killer-cell cytotoxicity by interferon and an interferon-inducer in the rat. Flexman JP, et al. **Immunology** 1981 Oct;44(2):311-20

Proliferative and cytotoxic immune functions in ageing mice. I. Sequence of decline of reactivities measured under optimal and suboptimal sensitization conditions. Gottesman SR, et al. **Immunology** 1981 Nov;44(3):607-16

Generation of cross-reactive cytotoxic T lymphocytes following immunization of mice with various bluetongue virus types. Jeggo MH, et al. **Immunology** 1982 Apr; 45(4):629-35

Potentiation of natural killer cell activity of human lymphocytes in vitro: the participation of interferon in stimulation with Staphylococcus aureus Cowan I bacteria but not with protein A. Kasahara T, et al. **Immunology** 1982 Apr;45(4):687-95

The natural killer system in the rat: the relationship between natural and immune cell-mediated lysis of fibroblast targets. Lindsay VJ, et al. **Immunology** 1982 Mar;45(3):423-30

Complement-mediated lysis of African swine fever virus-infected cells. Norley SG, et al. **Immunology** 1982 May;46(1):75-82

Stimulation natural cytotoxic activity in mixed cell cultures and by culture supernatants containing interferon. Potter MR, et al. **Immunology** 1982 Jun;46(2):401-9

The antibody-independent cytotoxic activity of normal circulating human leucocytes. II. Failure to demonstrate effector cell-target cell interaction and target cell specificity of the circulating cytotoxic-enhancing factor. Richter M, et al. **Immunology** 1981 Sep;44(1):109-18

Lymphocyte-mediated cytotoxicity against allogeneic tumour cells. IV. Fine specificity mapping and characterization of concanavalin A-activated cytotoxic effector lymphocytes. Waterfield JD, et al. **Immunology** 1981 Dec;44(4):685-93

Enrichment by counterpart centrifugal elutriation of human lymphocytes cytotoxic to human tumour cells. Yasaka T, et al. **Immunology** 1982 Jul;46(3):613-7

Murine macrophage cytotoxicity induced by mastocytoma cells, cell-free mastocytoma exudates, and extracts. Dullens HF, et al. **Immunopharmacology** 1981 Sep;3(3):241-51

Studies on the mechanism of inhibition of natural killer cell mediated cytotoxicity by non-cytotoxic (inert) lymphocytes. Saxena RK. **Indian J Exp Biol** 1981 Sep; 19(9):812-8

IgG-dependent human eosinophil-mediated adhesion and cytotoxicity of Litomosoides carinii larvae. Mehta K, et al. **Indian J Med Res** 1981 Aug;74:226-30

Production of mouse lymphotoxin by phytohemagglutinin-stimulated spleen cells requires two cell fractions. Aksamit RR, et al. **Infect Immun** 1982 Jun; 36(3):1028-35

Natural cell-mediated cytotoxicity of bovine mononuclear cells against virus-infected cells. Campos M, et al. **Infect Immun** 1982 Jun;36(3):1054-9

Human leukocyte antigen-linked genetic controls for T cell-mediated cytotoxic response to mumps virus in humans. Chiba Y, et al. **Infect Immun** 1982 Feb;35(2):600-4

In vitro amoebicidal activity of immune cells. Ghadirian E, et al. **Infect Immun** 1982 Apr;36(1):243-6

Augmented followed by suppressed levels of natural cell-mediated cytotoxicity in mice infected with Toxoplasma gondii. Kamiyama T, et al. **Infect Immun** 1982 May;36(2):628-36

Cytomegalovirus-specific cytotoxicity mediated by non-T lymphocytes from peripheral blood of normal volunteers. Kirmani N, et al. **Infect Immun** 1981 Nov;34(2):441-7

Virus-infected colostral cell cytokine stimulation of human leukocyte natural killer cytotoxicity. Kohl S, et al. **Infect Immun** 1982 May;36(2):691-5

Cytotoxic cells induced after Chlamydia psittaci infection in mice. Lammert JK. **Infect Immun** 1982 Mar;35(3):1011-7

Natural cytotoxicity of murine cytomegalovirus-infected cells mediated by mouse lymphoid cells: role of interferon in the endogenous natural cytotoxicity reaction. Lee GD, et al. **Infect Immun** 1982 Jan;35(1):5-12

Ontogeny of murine macrophages: functions related to antigen presentation. Lu CY, et al. **Infect Immun** 1982 Apr; 36(1):169-75

Cytotoxic T cells are induced in mice infected with lymphocytic choriomeningitis virus strains of markedly different pathogenicities. Pfau CJ, et al. **Infect Immun** 1982 May;36(2):598-602

Generation of cytolytic T-cell cultures displaying measles virus specificity and human histocompatibility leukocyte antigen restriction. Sethi KK, et al. **Infect Immun** 1982 May; 36(2):657-61

Role of antibody in cytotoxicity by lymphocytes armed against 253J bladder cancer line. Catalona WJ, et al. **Int Arch Allergy Appl Immunol** 1981;66(3):259-66

Studies of chemically modified honeybee venom. I. Biochemical, toxicologic and immunologic characterization. Mueller U, et al. **Int Arch Allergy Appl Immunol** 1982;68(4):312-9

Regulation of natural killer activity in vivo. III. Effect of hypophysectomy and growth hormone treatment on the natural killer activity of the mouse spleen cell population. Saxena QB, et al. **Int Arch Allergy Appl Immunol** 1982 Feb; 67(2):169-74

Induction of cytotoxic lymphocytes by protein A derived from Staphylococcus aureus. I. Protein-A-induced, protein-A-dependent cytotoxicity of T lymphocytes against human lymphoblastoid cell lines. Sumiya M, et al. **Int Arch Allergy Appl Immunol** 1982 Jan;67(1):66-73

Anti-tumor immunity in B-lymphocyte-deprived mice. III. Immunity to primary Moloney sarcoma virus-induced tumors. Gordon J, et al. **Int J Cancer** 1982 Mar 15; 29(3):351-7

Monoclonal anticolon carcinoma antibodies in complement-dependent cytotoxicity. Herlyn DM, et al. **Int J Cancer** 1981 Jun 15;27(6):769-74

Naturally occurring humoral immunity to endogenous xenotropic and amphotropic type-C virus in the mouse. Kende M, et al. **Int J Cancer** 1981 Feb 15;27(2):235-42

Cytostasis of tumor cell lines by granulocytes from cancer patients and normal human donors. Korec S, et al. **Int J Cancer** 1981 Aug 15;28(2):119-24

Effect of Bacillus Calmette-Guérin cell wall skeleton on the induction of the cytotoxic and suppressor T cells against syngeneic tumor in the mouse. Koyama S, et al. **Int J Cancer** 1981 Jun 15;27(6):829-35

Diploid human lymphoblastoid and Burkitt lymphoma cell lines: susceptibility to murine NK cells and heterotransplantation to nude mice. McCormick KH, et al. **Int J Cancer** 1981 Oct 15;28(4):455-8

Intraperitoneal administration of Corynebacterium parvum in patients with ascitic ovarian tumors resistant to chemotherapy: effects on cytotoxicity of tumor-associated macrophages and NK cells. Mantovani A, et al. **Int J Cancer** 1981;27(4):437-46

Generation in vitro of EBV-induced specific cytotoxic T cells in autologous serum avoids complications due to self-preferred foetal calf serum-specific T-cell cytotoxicity. Misko IS, et al. **Int J Cancer** 1981;27(4):513-9

Generation in vitro of HLA-restricted EB virus-specific cytotoxic human T cells by autologous lymphoblastoid cell lines: the role of previous EB virus infection and foetal calf serum. Misko IS, et al. **Int J Cancer** 1982 Jan 15; 29(1):41-8

Extravascular natural cytotoxicity in man: Anti-K562 activity of lymph-node and tumour-infiltrating lymphocytes. Moore M, et al. **Int J Cancer** 1981 Mar 15; 27(3):265-72

Disease-related lymphocyte cytotoxicity in rats bearing transitional cell carcinoma of bladder. Effect of immunomodulators. Moroz C, et al. **Int J Cancer** 1982 Jun 15;29(6):667-72

Cross-reactions between tumor cells and allogeneic normal tissues. Inhibition of a syngeneic lymphoma outgrowth in H-2 and non-H-2 alloimmune BALB/c mice. Parmiani G, et al. **Int J Cancer** 1982 Mar 15;29(3):323-32

Staphylococcal protein A enhances natural killing activity against lymphoid tumor cell lines. Patel PC, et al. **Int J Cancer** 1981 Sep 15;28(3):277-84

Non-specific cytotoxic cells generated in vitro in response to a weakly immunogenic murine adenocarcinoma. In vivo correlations. Pope BL, et al. **Int J Cancer** 1981 Jul 15; 28(1):77-83

Reactivation of Epstein-Barr virus-specific cytotoxic T cells by in vitro stimulation with the autologous lymphoblastoid cell line. Rickinson AB, et al. **Int J Cancer** 1981 May 15; 27(5):593-601

Tumor biopsy cells participating in systems in which cytotoxicity of lymphocytes is generated. Autologous and allogeneic studies. Ványi F, et al. **Int J Cancer** 1981 Mar 15;27(3):273-80

Correlation of glycosphingolipids and sialic acid in YAC-1 lymphoma variants with their sensitivity to natural killer-cell-mediated lysis. Yogeeswaran G, et al. **Int J Cancer** 1981 Oct 15;28(4):517-26

OKT3 monoclonal antibody inhibits cytotoxic T lymphocyte mediated cell lysis. Chang TW, et al. **Int J Immunopharmacol** 1981;3(3):183-6

Patterns of antibody reactivity against selected human leukemia cell lines. Anderson MJ, et al. **J Cancer Res Clin Oncol** 1981;101(1):101-7

A common role for target cell histocompatibility antigens in both nonspecific and specific T lymphocyte-mediated cytolysis. Berke G, et al. **J Cell Biochem** 1982;18(3):337-49

The role of the human major histocompatibility complex in cytotoxic T-cell responses to virus-infected cells. Biddison WE. **J Clin Immunol** 1982 Jan;2(1):1-9 (53 ref.)

Studies of human natural killer cells. III. Neutropenia associated with unusual characteristics of antibody-dependent and natural killer cell-mediated cytotoxicity. Pross HF, et al. **J Clin Immunol** 1982 Apr; 2(2):126-34

Monoclonal antibody-defined immunoregulatory cells in multiple sclerosis cerebrospinal fluid. Cashman N, et al. **J Clin Invest** 1982 Aug;70(2):387-92

Destruction of the multicellular parasite Schistosoma mansoni by T lymphocytes. Ellner JJ, et al. **J Clin Invest** 1982 Aug; 70(2):369-78

Deficiency of active natural killer cells in the Chediak-Higashi syndrome. Localization of the defect using a single cell cytotoxicity assay. Katz P, et al. **J Clin Invest** 1982 Jun;69(6):1231-8

Killing of gram-negative bacteria by polymorphonuclear leukocytes: role of an O2-independent bactericidal system. Weiss J, et al. **J Clin Invest** 1982 Apr;69(4):959-70

Monocyte and granulocyte-mediated tumor cell destruction. A role for the hydrogen peroxide-myeloperoxidase-chloride system. Weiss SJ, et al. **J Clin Invest** 1982 Feb;69(2):255-62

Lymphocytotoxic activity in primary glomerulonephritis: evidence for immune complex-mediated cytotoxicity. Charlesworth JA, et al. **J Clin Lab Immunol** 1981 Nov; 6(3):233-6

Activation of human platelets by antibodies to thymocytes and beta 2-microglobulin. II. Effect of purified beta 2m on the platelet aggregating and lymphocytotoxic activities of HATG and SA beta 2mG. Csákó G, et al. **J Clin Lab Immunol** 1982 Jan;7(1):33-8

Nonspecific human lymphocyte-mediated cytotoxicity induced by immobilized IgG aggregate: regulation by suppressor cells. Fuson EW, et al. **J Clin Lab Immunol** 1982 Jan;7(1):55-60

Natural cytotoxicity of blood mononuclear cells from normal subjects and patients with Hashimoto's thyroiditis against normal thyroid cells. Seybold D, et al. **J Clin Lab Immunol** 1981 Nov;6(3):241-4

Postnatal expansion of the natural killer and keller cell population in humans identified by the monoclonal HNK-1 antibody. Abo T, et al. **J Exp Med** 1982 Jan 1;155(1):321-6

In vitro generation of human cytotoxic lymphocytes by virus. Viral glycoproteins induce nonspecific cell-mediated cytotoxicity without release of interferon. Casali P, et al. **J Exp Med** 1981 Sep 1;154(3):840-55

Development of cytolytic T lymphocyte precursors in organ-cultured mouse embryonic thymus rudiments. Ceredig R, et al. **J Exp Med** 1982 Feb 1;155(2):617-22

Phenotypic and functional properties of murine thymocytes. I. Precursors of cytolytic T lymphocytes and interleukin 2-producing cells are all contained within a subpopulation of 'mature' thymocytes as analyzed by monoclonal antibodies and flow microfluorometry. Ceredig R, et al. **J Exp Med** 1982 Feb 1;155(2):358-79

H-2L-restricted recognition of viral antigens In the H-2d haplotype, anti-vesicular stomatitis virus cytotoxic T cells are restricted solely by H-2L. Ciavarra R, et al. **J Exp Med** 1982 Sep 1;156(3):778-90

Enhancement of human blood eosinophil cytotoxicity by semi-purified eosinophil colony-stimulating factor(s). Dessein AJ, et al. **J Exp Med** 1982 Jul 1;156(1):90-103

Generation of cytolytic T lymphocytes in thymectomized, irradiated, and bone marrow-reconstituted mice. Duprez V, et al. **J Exp Med** 1982 Sep 1;156(3):844-59

Cytotoxic T cells specific for antigens expressed on surface immunoglobulin-positive cells. Forman J, et al. **J Exp Med** 1981 Nov 1;154(5):1357-68

The Qa2 subregion controls the expression of two antigens recognized by H-2-unrestricted cytotoxic T cells. Forman J, et al. **J Exp Med** 1982 Mar 1;155(3):749-67

Lymphokine-activated killer cell phenomenon. Lysis of natural killer-resistant fresh solid tumor cells by interleukin 2-activated autologous human peripheral blood lymphocytes. Grimm EA, et al. **J Exp Med** 1982 Jun 1; 155(6):1823-41

Cooperative interaction of factor B and other complement components with mononuclear cells in the antibody-independent lysis of xenogeneic erythrocytes. Hall RE, et al. **J Exp Med** 1982 Sep 1;156(3):834-43

Chemiluminescence response of human natural killer cells. I. The relationship between target cell binding, chemiluminescence, and cytolysis. Helfand SL, et al. **J Exp Med** 1982 Aug 1;156(2):492-505

Antigen recognition by cloned cytotoxic T lymphocytes follows rules predicted by the altered-self hypothesis. Hünig TR, et al. **J Exp Med** 1982 Jan 1;155(1):111-25

During lymphatic regeneration, precursors for major histocompatibility complex-restricted cytotoxic T cells appear before alloreactive precursors. Hurme M, et al. **J Exp Med** 1982 Jan 1;155(1):327-32

Helper activity is required for the in vivo generation of cytotoxic T lymphocytes. Keene JA, et al. **J Exp Med** 1982 Mar 1;155(3):768-82

Cytotoxic T lymphocytes produce immune interferon in response to antigen or mitogen. Klein JR, et al. **J Exp Med** 1982 Apr 1;155(4):1198-203

T-T cell interactions during in vitro cytotoxic T lymphocyte responses. V. Precursor frequencies and specificity of alloreactive helper T cells. Krönke M, et al. **J Exp Med** 1982 Jul 1;156(1):41-54

Selective inhibition of human T cell cytotoxicity at levels of target recognition or initiation of lysis by monoclonal OKT3 and Leu-2a antibodies. Landegren U, et al. **J Exp Med** 1982 May 1;155(5):1579-84

Primary in vitro cytotoxic T cell response to non-major histocompatibility complex alloantigens in normal mice. Macphail S, et al. **J Exp Med** 1982 Aug 1;156(2):610-21

Lymphocytic choriomeningitis virus killer T cells are lethal only in weakly disseminated murine infections. Pfau CJ, et al. **J Exp Med** 1982 Jul 1;156(1):79-89

Quantitative variations in the expression of H-2 antigens on murine leukemia virus-induced tumor cells can affect the H-2 restriction patterns of tumor-specific cytolytic T lymphocytes. Plata F, et al. **J Exp Med** 1981 Dec 1; 154(6):1795-810

Specificity studies on cytolytic T lymphocytes directed against murine leukemia virus-induced tumors. Analysis of monoclonal cytolytic T lymphocytes. Plata F. **J Exp Med** 1982 Apr 1;155(4):1050-62

Helper T cells for cytotoxic T lymphocytes need not be I region restricted. Raulet DH, et al. **J Exp Med** 1982 Jun 1;155(6):1766-84

Allosuppressor and allohelper T cells in acute and chronic graft-vs-host disease. I. Alloreactive suppressor cells rather than killer T cells appear to be the decisive effector cells in lethal graft-vs.-host disease. Rolink AG, et al. **J Exp Med** 1982 May 1;155(5):1501-22

Regulation of in vitro cytotoxic T lymphocyte generation. I. Evidence that killer cell precursors differentiate to effector cells in two steps. Schwartz A, et al. **J Exp Med** 1982 Mar 1;155(3):783-96

Induction of neonatal tolerance to H-2k in B6 mice does not allow the emergence of T cells specific for H-2k plus vaccinia virus. Schwartz DH, et al. **J Exp Med** 1982 Sep 1;156(3):810-21

Genetic linkage of the cytolytic T lymphocyte repertoire and immunoglobulin heavy chain genes. Sherman LA. **J Exp Med** 1982 Jul 1;156(1):294-9

Two distinct mechanisms regulate the in vivo generation of cytotoxic T cells. Sy MS, et al. **J Exp Med** 1982 Sep 1; 156(3):918-23

Characteristics of natural killer cells in the murine intestinal epithelium and lamina propria. Tagliabue A, et al. **J Exp Med** 1982 Jun 1;155(6):1785-96

Lysis of tumor biopsy cells by autologous T lymphocytes activated in mixed cultures and propagated with T cell growth factor. Ványi F, et al. **J Exp Med** 1982 Jan 1; 155(1):83-95

Recognition of polymorphic H-2 domains by T lymphocytes. I. Functional role of different H-2 domains for the generation of alloreactive cytotoxic T lymphocytes and determination of precursor frequencies. Weyand C, et al. **J Exp Med** 1981 Dec 1;154(6):1717-31

Antibody and cytotoxic T lymphocyte responses of humans to live and inactivated influenza vaccines. Ennis FA, et al. **J Gen Virol** 1982 Feb;58(Pt 2):273-81

Characterization of HNK-1+ (Leu-7) human lymphocytes. I. Two distinct phenotypes of human NK cells with different cytotoxic capability. Abo T, et al. **J Immunol** 1982 Oct;129(4):1752-7

Characterization of HNK-1+ (Leu-7) human lymphocytes.

II. Distinguishing phenotypic and functional properties of natural killer cells from activated NK-like cells. Abo T, et al. **J Immunol** 1982 Oct;129(4):1758–61

Hydrogen peroxide and cytolytic factor can interact synergistically in effecting cytolysis of neoplastic targets. Adams DO, et al. **J Immunol** 1981 Nov;127(5):1973–7

Non–H–2–linked genetic control of murine cell–mediated lympholysis to autologous cells modified with fluorescein isothiocyanate (FTC–self). Arora PK, et al. **J Immunol** 1982 Sep;129(3):1200–3

Non–MHC–linked genetic control of murine cytotoxic T lymphocyte responses to hapten–modified syngeneic cells. Arora PK, et al. **J Immunol** 1981 Nov;127(5):1822–8

Preferential response patterns of cytotoxic T lymphocytes specific for fluorescein isothiocyanate–[FITC] modified autologous cells. Arora PK, et al. **J Immunol** 1982 Feb; 128(2):551–5

Studies on the ability of monoclonal antibodies to selectively mediate complement–dependent cytotoxicity of human myelogenous leukemia blast cells. Ball ED, et al. **J Immunol** 1982 Mar;128(3):1476–81

Limitations of recognition of modified–self by alloantigen–activated cytotoxic T lymphocytes. Ballas ZK. **J Immunol** 1981 Oct;127(4):1589–91

Studies on natural killer (NK) cells. III. The effects of in vitro culture on spontaneous cytotoxicity of murine spleen cells. Bartlett SP, et al. **J Immunol** 1982 Mar;128(3):1070–5

Influenza virus–specific cytotoxic T cells are restricted by multiple HLA–A3–related self antigens: evidence for recognition of distinct self structures in conjunction with different foreign antigens. Biddison WE, et al. **J Immunol** 1981 Dec;127(6):2231–5

Regulation of influenza virus–specific cytotoxic T cell responses by monoclonal antibody to a human T cell differentiation antigen. Biddison WE, et al. **J Immunol** 1981 Dec;127(6):2236–40

Cellular and molecular properties of an antigen–specific cytotoxic T lymphocyte line. Bleackley RC, et al. **J Immunol** 1982 Feb;128(2):758–67

Inhibition of natural killer activity by human bronchoalveolar macrophages. Bordignon C, et al. **J Immunol** 1982 Aug; 129(2):587–91

The specificity of rat natural killer cells and cytotoxic macrophages on solid tumor–derived target cells and selected variants. Brooks CG, et al. **J Immunol** 1981 Dec; 127(6):2477–83

Rat NK cells active against lymphoma and sarcoma tumor cells are probably identical. Brooks CG, et al. **J Immunol** 1982 Feb;128(2):913–9

Characterization of five cloned murine cell lines showing high cytolytic activity against YAC–1 cells. Brooks CG, et al. **J Immunol** 1982 May;128(5):2326–35

Unresponsiveness in hapten–specific cytotoxic T lymphocytes. I. Characteristics of tolerance induction in adult mice. Butler LD, et al. **J Immunol** 1981 Oct; 127(4):1383–7

Unresponsiveness in hapten–specific cytotoxic lymphocytes. II. Ability of various TNP–congeners to induce unresponsiveness after repeated treatments beginning at birth. Butler LD, et al. **J Immunol** 1982 May;128(5):1963–7

Ultrastructure of human natural killer cells: nature of the cytolytic contacts in relation to cellular secretion. Carpen O, et al. **J Immunol** 1982 Jun;128(6):2691–7

Phenotypic and functional properties of murine thymocytes. II. Quantitation of host– and donor–derived cytolytic T lymphocyte precursors in regenerating radiation bone marrow chimeras. Ceredig R, et al. **J Immunol** 1982 Feb; 128(2):614–20

Generation of cytotoxic lymphocytes by SV40–induced antigens. Chang C, et al. **J Immunol** 1982 May; 128(5):2160–3

Natural cytotoxicity of isolated rat liver cells. Cohen SA, et al. **J Immunol** 1982 Aug;129(2):495–501

Cytokine–dependent thymocyte responses. II. Generation of cytotoxic T lymphocytes from immature thymocytes. Conlon PJ, et al. **J Immunol** 1982 Jul;129(1):11–7

Human large granular lymphocytes: spontaneous and interferon–boosted NK activity against adherent and nonadherent tumor cell lines. de Landazuri MO, et al. **J Immunol** 1981 Oct;127(4):1380–3

Broadly reactive murine cytotoxic cells induced in vitro under syngeneic conditions. Dorfman N, et al. **J Immunol** 1982 Oct;129(4):1762–8

Expression of T cell differentiation antigens and Ia on rat cytotoxic T lymphocytes. Duarte AJ, et al. **J Immunol** 1982 Feb;128(2):580–4

Generation of cell–mediated cytotoxicity to Theileria parva (East Coast fever) after inoculation of cattle with parasitized lymphoblasts. Emery DL, et al. **J Immunol** 1982 Jan;128(1):195–200

Activation of human T lymphocyte subsets: helper and suppressor/cytotoxic T cells recognize and respond to distinct histocompatibility antigens. Engleman EG, et al. **J Immunol** 1981 Nov;127(5):2124–9

Studies on the induction and expression of T cell–mediated immunity. XII. The concomitant loss and recovery of membrane–associated Lyt–2 antigens, lymphocyte–target cell binding, and the antigen–specific and –nonspecific cytotoxic activity of alloimmune T lymphocytes after treatment with trypsin. Fan J, et al. **J Immunol** 1981 Nov; 127(5):1856–64

The in situ induction of tumoricidal activity in alveolar macrophages by liposomes containing muramyl dipeptide is a thymus–independent process. Fidler IJ. **J Immunol** 1981 Oct;127(4):1719–20

Generation of alloreactive cytotoxic T lymphocytes: production of T cell and macrophage helper factors in addition to IL 1 and IL 2 by peritoneal cells from mice immunized to Listeria monocytogenes. Finke JH, et al. **J Immunol** 1981 Dec;127(6):2354–61

Ly–18, a new alloantigen present on cytotoxic T cells and controlled by a gene(s) to the Igh–V locus. Finnegan A, et al. **J Immunol** 1981 Nov;127(5):1947–53

Role of interferon in natural kill of HSV–1–infected fibroblasts. Fitzgerald PA, et al. **J Immunol** 1982 Aug; 129(2):819–23

Cloned lines of human cytotoxic T lymphocytes with specificity for influenza virus. Fleischer B. **J Immunol** 1982 Oct;129(4):1731–5

H2Kk can influence whether cytotoxic T lymphocytes recognize trinitrophenyl in association with H2Dk unique or H–2Kk and H–2Dk shared self determinants. Fujiwara H, et al. **J Immunol** 1982 Sep;129(3):1189–93

Bystander suppression of tumor growth: evidence that specific targets and bystanders are damaged by injury to a common microvasculature. Galli SJ, et al. **J Immunol** 1982 Aug;129(2):890–9

Membrane phenotype of the rat cytotoxic T lymphocyte. Gilman SC, et al. **J Immunol** 1982 Sep;129(3):1012–6

Conditioned immune response associated with allogeneic skin grafts in mice. Gorczynski RM, et al. **J Immunol** 1982 Aug; 129(2):704–9

The in vitro generation of H–2–restricted cytotoxic T cells to AKR/Gross leukemia virus–induced tumors. I. Requirement for stimulation with allogeneic leukemia cells in vivo. Green WR. **J Immunol** 1982 Mar;128(3):1043–9

Cellular killing of microfilariae of Onchocerca volvulus: eosinophil and neutrophil–mediated immune serum–dependent destruction. Greene BM, et al. **J Immunol** 1981 Oct;127(4):1611–8

Antigen–specific suppression of cytotoxic T cell responses: an idiotype–bearing factor regulates the cytotoxic T cell response to azobenzenearsonate–coupled cells. Greene MI, et al. **J Immunol** 1982 Mar;128(3):1188–91

Variants from a MLV–induced lymphoma selected for decreased sensitivity to NK lysis. Grönberg A, et al. **J Immunol** 1981 Nov;127(5):1734–9

Kinetics of the anti–recipient cytotoxic cell response of mice with minor histocompatibility antigen graft–vs–host disease. Hamilton BL, et al. **J Immunol** 1982 Jan; 128(1):376–9

Characterization of the recognition of target cells sensitive or resistant to cytolysis by activated rat peritoneal macrophages. Hamilton TA, et al. **J Immunol** 1981 Oct; 127(4):1702–6

Helper cells active in the generation of cytotoxicity to a syngeneic tumor. Hancock EJ, et al. **J Immunol** 1981 Oct; 127(4):1394–7

Soluble bacterial antigen induces specific helper and cytotoxic responses by human lymphocytes in vitro. Hank JA, et al. **J Immunol** 1982 Jun;128(6):2734–8

Definitive evidence that natural killer (NK) cells inhibit experimental tumor metastases in vivo. Hanna N, et al. **J Immunol** 1981 Nov;127(5):1754–8

Inhibition of in vitro granulopoiesis by autologous allogeneic human NK cells. Hansson M, et al. **J Immunol** 1982 Jul; 129(1):126–32

Comparison of cell–mediated lympholysis and mixed lymphocyte culture in the immunologic evaluation for renal transplantation. Harmon WE, et al. **J Immunol** 1982 Oct; 129(4):1573–7

The role of C9 in complement–mediated killing of Neisseria. Harriman GR, et al. **J Immunol** 1981 Dec;127(6):2386–90

Differences in expression of MHC products between several H–2–restricted CTL clones. Hauptfeld V, et al. **J Immunol** 1982 May;128(5):2026–31

The induction of allorea :tive cytotoxic responses in vivo are inhibited by pretreatment with M is–disparate cells. Hayes RL, et al. **J Immunol** 1982 Jul;129(1):232–5

Analysis of the two–signal requirement for precursor cytolytic T lymphocyte activation using H–2Kk in liposomes. Herrmann SH, et al. **J Immunol** 1982 May; 128(5):1968–74

Modulation of F1 cytotoxic potentials by GvHR: suppression of cytotoxic T cell responses of F1 mice correlates with F1 inability to resist the proliferation of GvHR–inducing parental T lymphocytes. Ishikawa H, et al. **J Immunol** 1982 Sep;129(3):1181–8

Studies of murine large granular lymphocytes. II. Tissue, strain, and age distributions of LGL and LAL. Itoh K, et al. **J Immunol** 1982 Jul;129(1):395–405

The binding of BCG–activated macrophages to tumor targets stimulates secretion of cytolytic factor. Johnson WJ, et al. **J Immunol** 1981 Nov;127(5):1787–92

Fine–specificity of the immune response to oxazolones. II. Cytolytic T cells. Kaartinen M, et al. **J Immunol** 1981 Dec; 127(6):2371–6

Natural cytotoxicity and interferon production in human cancer: deficient natural killer activity and normal interferon production in patients with advanced disease. Kadish AS, et al. **J Immunol** 1981 Nov;127(5):1817–22

A human helper T cell clone secreting both killer helper factor(s) and T cell–replacing factor(s). Kaieda T, et al. **J Immunol** 1982 Jul;129(1):46–51

Frequency and cross–reactivity od cytolytic T lymphocyte precursors reacting against male alloantigens. Kanagawa O, et al. **J Immunol** 1982 May;128(5):2362–6

Identification of human CML target. HLA–B locus (B12) antigen variants defined by CTL generated between B locus–identical (B12) responder–stimulator pairs. Kato S, et al. **J Immunol** 1982 Feb;128(2):949–55

Absorption of normal lymphocytes on allogeneic spleen monolayers: depletion of alloreactivity is due to inhibition of CTL induction by released monolayer cells. Kelso A. **J Immunol** 1981 Oct;127(4):1563–9

The role of interleukin–2 (IL–2) in the differentiatin of cytotoxic T cells: the effect of monoclonal anti–IL–2 antibody and absorption with IL–2 dependent T cell lines. Kern DE, et al. **J Immunol** 1981 Oct;127(4):1323–8

Characteristics of an antigen–specific helper factor that enhances the in vitro generation of cytotoxic cells directed against a syngeneic tumor. Kilburn DG, et al. **J Immunol** 1981 Dec;127(6):2465–9

Regulation of human natural killing. I. The role of monocytes, interferon, and prostaglandins. Koren HS, et al. **J Immunol** 1981 Nov;127(5):2007–13

Generation of long–term human cytolytic cell lines with persistent natural killer activity. Krensky AM, et al. **J Immunol** 1982 Oct;129(4):1748–51

HLA restriction of secondary mumps–specific cytotoxic T lymphocytes. Kress HG, et al. **J Immunol** 1982 Aug; 129(2):844–9

Demonstration of primary cytotoxic T cells in venous blood and cerebrospinal fluid of children with mumps meningitis. Kreth HW, et al. **J Immunol** 1982 Jun;128(6):2411–5

The H–2 phenotype of the thymus dictates the self–specificity expressed by thymic but not splenic cytotoxic T lymphocyte precursors in thymus–engrafted nude mice. Kruisbeek AM, et al. **J Immunol** 1981 Nov;127(5):2168–76

Studies of murine large granular lymphocytes. I. Identification as effector cells in NK and K cytotoxicities. Kumagai K, et al. **J Immunol** 1982 Jul;129(1):388–94

Differential lysis of endogenous and activated natural killer cells by anti–NK–1.2 antibody and complement. Kumar V, et al. **J Immunol** 1982 Mar;128(3):1482–4

Antitumor activity and hydrogen peroxide release by macrophages elicited by trehalose diesters. Lepoivre M, et al. **J Immunol** 1982 Aug;129(2):860–6

Cell–mediated cytotoxicity against skin fibroblasts in atopic dermatitis. Leung DY, et al. **J Immunol** 1982 Apr; 128(4):1736–41

Natural killer activity and suppressor cells in irradiated mice repopulated with a mixture of cells from normal and 89Sr–treated donors. Levy EM, et al. **J Immunol** 1981 Oct; 127(4):1428–32

Cell–mediated lympholysis responses against autologous cells modified with haptenic sulfhydryl reagents. IV. Self–determinants recognized by wild–type anti–H–2Kb and H–2Db–restricted cytotoxic T cells specific for sulfhydryl and amino–reactive haptens are absent in certain H–2 mutant strains. Levy RB, et al. **J Immunol** 1982 Oct; 129(4):1525–9

Cell–mediated lympholytic responses against autologous cells modified with haptenic sulfhydryl reagents. III. Different regions of hapten–membrane protein conjugates influence CTL specificity and Ir gene control of hapten–self CTL responses. Levy RB, et al. **J Immunol** 1981 Dec; 127(6):2218–23

Studies of the cell lineage of the effector cells that spontaneously lyse HSV–1 infected fibroblasts (NK(HSV–1)). Lopez C, et al. **J Immunol** 1982 Aug; 129(2):824–8

Generation of T cell blasts with NK–like activity in human MLC: cellular precursors, IL 2 responsiveness, and phenotype expression. López–Botet M, et al. **J Immunol** 1982 Sep;129(3):1109–15

Tumoricidal macrophages isolated from liver granulomas of Schisto.oma mansoni–infected mice. Loveless SE, et al. **J Immunol** 1982 Jan;128(1):284–8

Mechanism of enhanced complement–dependent cytotoxicity of papain–treated lymphocytes: evidence for increased stability of classical pathway C3 convertase. Lublin DM, et al. **J Immunol** 1982 Feb;128(2):866–70

Production of immune interferon by human cytotoxic T cell clones. Matsuyama M, et al. **J Immunol** 1982 Aug; 129(2):450–1

Macrophages in resistance to rickettsial infections: genetic analysis of susceptibility to lethal effects of Rickettsia akari infection and development of activated, cytotoxic macrophages in A and B10.a mice. Meltzer MS, et al. **J Immunol** 1982 Oct;129(4):1719–23

Influence of H–2–linked genes on T cell proliferative and cytolytic responses to peptides of Sendai viral proteins. Miskimen JA, et al. **J Immunol** 1982 Apr;128(4):1522–8

Enhancement of T. lymphocyte functions by Fc fragments of immunoglobulin. II. Augmentation of the cell–mediated lympholysis response occurs through an Lyt–1+2– helper T cell. Morgan EL, et al. **J Immunol** 1981 Dec; 127(6):2526–30

Suppression of anti–hapten antibody responses by hapten–specific cytolytic T lymphocytes: role of I–A–associated antigen on target B lymphocytes. Moser G, et al. **J Immunol** 1982 Jul;129(1):63–9

In vitro reactivity of natural killer (NK) cells against Cryptococcus neoformans. Murphy JW, et al. **J Immunol** 1982 Apr;128(4):1577–83

Intracellular replication and lymphokine-induced destruction of Leishmania tropica in C3H/HeN mouse macrophages. Nacy CA, et al. **J Immunol** 1981 Dec;127(6):2381–6

Clonal analysis of restriction antigens for human TNP-specific cytotoxic T lymphocytes. Neefe JR, et al. **J Immunol** 1982 Jan;128(1):227–32

Inhibition of human antibody-dependent cellular cytotoxicity, cell-mediated cytotoxicity, and natural killing by a xenogeneic antiserum prepared against "activated" alloimmune human lymphocytes. Neville ME, et al. **J Immunol** 1982 Mar;128(3):1246–51

Effect of a monoclonal anti-large granular lymphocyte antibody on the human NK activity. Nieminen P, et al. **J Immunol** 1982 Mar;128(3):1097–101

T. cruzi: sensitization to macrophage killing by eosinophil peroxidase. Nogueira NM, et al. **J Immunol** 1982 Apr; 128(4):1705–8

Positive correlation between degree of parasitemia, interferon titers, and natural killer cell activity in Plasmodium falciparum-infected children. Ojo-Amaize EA, et al. **J Immunol** 1981 Dec;127(6):2296–300

Resistance to immune cytolysis induced by 4NQO and MNNG: a possible mechanism involved in chemical carcinogenicity. Okada H, et al. **J Immunol** 1981 Nov; 127(5):1903–6

Monocyte-mediated killing of schistosomula of Schistosoma mansoni: alterations in human Schistosomiasis mansoni and tuberculosis. Olds GR, et al. **J Immunol** 1981 Oct; 127(4):1538–42

Determination of surface antigens on highly purified human NK cells by flow cytometry with monoclonal antibodies. Ortaldo JR, et al. **J Immunol** 1981 Dec;127(6):2401–9

H-2Kb mutations limit the CTL response to SV40 TASA. Pan S, et al. **J Immunol** 1982 Jan;128(1):243–6

Long-term culture, cloning, and surface markers of mixed leukocyte culture-derived human T lymphocytes with natural killer-like cytotoxicity. Pawelec GP, et al. **J Immunol** 1982 Apr;128(4):1892–6

Studies on the induction and specificity of cytotoxicity to Theileria-transformed cell lines. Pearson TW, et al. **J Immunol** 1982 Jun;128(6):2509–13

Membrane attach complex of complement (MAC): three-dimensional analysis of MAC-phospholipid vesicle recombinants. Podack ER, et al. **J Immunol** 1982 May; 128(5):2353–7

Distinct signals for antibody-dependent and nonspecific killing of tumor targets mediated by macrophages. Ralph P, et al. **J Immunol** 1982 Jul;129(1):427–32

Interleukin 2 is not sufficient as helper component for the activation of cytotoxic T lymphocytes but synergizes with a late helper effect that is provided by irradiated I-region-incompatible stimulator cells. Reddehase M, et al. **J Immunol** 1982 Jan;128(1):61–8

Genetic control of the cytolytic T lymphocyte response to influenza viruses: H-2 genes influence the response to H-2Kb plus virus. Reiss CS, et al. **J Immunol** 1982 May; 128(5):2295–9

Immunoregulatory factors derived from human tumors. I. Immunologic and biochemical characterization of factors that suppress lymphocyte proliferative and cytotoxic responses in vitro. Roth JA, et al. **J Immunol** 1982 May; 128(5):1955–62

Mechanisms of immune lysis. III. Characterization of the nature and kinetics of the cytotoxic T lymphocyte-induced nuclear lesion in the target. Russell JH, et al. **J Immunol** 1982 May;128(5):2087–94

The area of attachment of cytotoxic T lymphocytes to their target cells shows high motility and polarization of actin, but not myosin. Ryser JE, et al. **J Immunol** 1982 Mar; 128(3):1159–62

Virus-immune and alloreactive response characteristics of thymocytes and spleen cells from young mice. Schwartz DH, et al. **J Immunol** 1981 Oct;127(4):1411–4

Cell cycle regulation of cloned cytolytic T cells by T cell growth factor: analysis by flow microfluorometry. Sekaly RP, et al. **J Immunol** 1982 Oct;129(4):1407–14

Ir gene control of the cytotoxic T lymphocyte response to Sendai virus: H-2k mice are low responders to Sendai. Shapiro ME, et al. **J Immunol** 1981 Dec;127(6):2571–4

Macrophages as effector cells of protective immunity in murine schistosomiasis. III. Loss of susceptibility to macrophage-mediated killing during maturation of S. mansoni schistosomula from the skin to the lung stage. Sher A, et al. **J Immunol** 1982 Apr;128(4):1876–9

Genetic and regulatory contributions of the major histocompatibility complex to the developing cytolytic T lymphocyte repertoire. Sherman LA. **J Immunol** 1982 Apr; 128(4):1849–53

Mouse alloantibodies capable of blocking cytotoxic T cell function. III. Studies of the mechanism of blocking of CML by anti-Lyt-2 antibodies. Shinohara N, et al. **J Immunol** 1981 Oct;127(4):1575–8

Studies of rheumatoid synovial fluid lymphocytes. I. Evidence for activated natural killer- (NK) like cells. Silver RM, et al. **J Immunol** 1982 Apr;128(4):1758–63

Human host response to Giardia lamblia. I. Spontaneous killing by mononuclear leukocytes in vitro. Smith PD, et al. **J Immunol** 1982 Mar;128(3):1372–6

Human alveolar macrophages: potentiation of their tumoricidal activity by liposome-encapsulated muramyl dipeptide. Sone S, et al. **J Immunol** 1982 Sep;129(3):1313–7

The role of T cell differentiation markers in antigen-specific and lectin-dependent cellular cytotoxicity mediated by T8+ and T4+ human cytotoxic T cell clones directed at class I and class II MHC antigens. Spits H, et al. **J Immunol** 1982 Oct;129(4):1563–9

Establishment of human T lymphocyte clones highly cytotoxic for an EBV-transformed B cell line in serum-free medium: isolation of clones that differ in phenotype and specificity. Spits H, et al. **J Immunol** 1982 Jan;128(1):95–9

Recognition of alternate alleles and mapping of the Qa1 locus. Stanton TH, et al. **J Immunol** 1981 Oct;127(4):1640–3

A crucial role of the H-2 D locus in the regulation of both the D- and the K-associated cytotoxic T lymphocyte response against Moloney leukemia virus, demonstrated with two Db mutants. Stukart MJ, et al. **J Immunol** 1982 Mar;128(3):1360–4

Inhibition of human natural killer cell activity by cytophilic immunoglobulin G. Sulica A, et al. **J Immunol** 1982 Mar; 128(3):1031–6

Effects of gamma-irradiation on lymphocyte subpopulations participating in the development of the cytotoxic T lymphocyte response. Susskind BM, et al. **J Immunol** 1981 Oct;127(4):1485–9

Heterogeneity of allogeneic restriction of human cytotoxic T cell clones specific for Epstein Barr virus. Tanaka Y, et al. **J Immunol** 1982 Mar;128(3):1241–5

The dual interaction of prostaglandin E2 (PGE2) and interferon (IFN) on NK lytic activation: enhanced capacity of effector-target lytic interactions (recycling) and blockage of pre-NK cell recruitment. Targan SR. **J Immunol** 1981 Oct;127(4):1424–8

Molecular interactions in human T cell-mediated cytotoxicity to EBV II. Monoclonal antibody OKT3 inhibits a post-killer-target recognition/adhesion step. Tsoukas CD, et al. **J Immunol** 1982 Oct;129(4):1421–5

The functional capacity of thymus subpopulations: limit-dilution analysis of all precursors of cytotoxic lymphocytes and of all T cells capable of proliferation in subpopulations separated by the use of peanut agglutinin. Wei-Feng C, et al. **J Immunol** 1982 Jul;129(1):18–24

Role of syngeneic Ia+ accessory cells in the generation of allospecific CTL responses. Weinberger O, et al. **J Immunol** 1982 Aug;129(2):694–7

The effect of target cell differentiation on human natural killer cell activity: a specific defect in target cell binding and early activation events. Werkmeister JA, et al. **J Immunol** 1982 Jul;129(1):413–8

CT hybridomas: tumor cells capable of lysing virally infected target cells. Whitaker RB, et al. **J Immunol** 1982 Aug; 129(2):900–3

T cell-mediated cytotoxicity induced by Listeria monocytogenes. I. Activation of Listeria antigen-responsive T cells. Woan MC, et al. **J Immunol** 1981 Dec;127(6):2319–24

T cell-mediated cytotoxicity induced by Listeria monocytogenes. II. Specificity of cytolytic effector cells. Woan MC, et al. **J Immunol** 1981 Dec;127(6):2325–30

T cell-mediated cytotoxicity induced by Listeria monocytogenes. III. Phenotypic characteristics of mediator T cells. Woan MC, et al. **J Immunol** 1981 Dec; 127(6):2330–4

Helper cells in the autologous mixed lymphocyte reaction. II. Age-related helper defect for generation of TNP-self cytotoxic cells in NZB mice. Wolos JA, et al. **J Immunol** 1982 Jan;128(1):269–75

Studies on the mechanism of natural killer (NK) cell-mediated cytotoxicity (CMC). I. Release of cytotoxic factors specific for NK-sensitive target cells (NKCF) during co-culture of NK effector cells with NK target cells. Wright SC, et al. **J Immunol** 1982 Jul;129(1):433–9

T helper cells in immune mice amplify the primary anti-tumor cytotoxic response. Yu AS, et al. **J Immunol** 1982 Aug;129(2):856–9

Phenotypes of human natural killer cell populations detected with monoclonal antibodies. Zarling JM, et al. **J Immunol** 1981 Dec;127(6):2575–80

Stimulation with autologous lymphoblastoid cell lines: lysis of Epstein-Barr virus-positive and -negative cell lines by two phenotypically distinguishable effector cell populations. Zarling JM, et al. **J Immunol** 1981 Nov; 127(5):2118–23

Helper factor production in murine secondary syngeneic mixed leukocyte reactions. Zuberi RI, et al. **J Immunol** 1982 Feb;128(2):817–22

Improved quantification of cellular cytotoxicity reactions: determination of kinetic parameters for natural cytotoxicity by a distribution-free procedure. Callewaert DM, et al. **J Immunol Methods** 1982;49(1):25–37

Preparation and properties of a cytotoxic monoclonal rat anti-mouse Thy-1 antibody. Chayen A, et al. **J Immunol Methods** 1982;49(1):17–23

Assessment of antibody mediated cytolysis of adult cardiocytes isolated by centrifugation in a continuous gradient of Percoll in patients with acute myocarditis. Maisch B, et al. **J Immunol Methods** 1981;44(2):159–69

A simple method for the quantitation of specific cytotoxic precursors to syngeneic tumors. Teh HS, et al. **J Immunol Methods** 1981;46(1):97–111

Stimulation of cytolytic T lymphocytes by azaguanine-resistant mouse tumor cells in selective HAT medium. Van Snick J, et al. **J Immunol Methods** 1981; 46(3):321–6

Diphtheria toxin and related proteins: effect of route of injection on toxicity and the determination of cytotoxicity for various cultured cells. Pappenheimer AM Jr, et al. **J Infect Dis** 1982 Jan;145(1):94–102

Hapten specific TNP-reactive cytotoxic effector cells using epidermal cells as targets. Tamaki K, et al. **J Invest Dermatol** 1981 Aug;77(2):225–9

Effect of klebsiella capsular antisera on lymphocytes from patients with ankylosing spondylitis. Shinebaum R, et al. **J Med Microbiol** 1981 Nov;14(4):451–6

Inhibition of complement-mediated cytotoxicity of antisera by fluid secreted by the seminal vesicle of the house mouse. Peitz B, et al. **J Reprod Immunol** 1981 Jun;3(2):109–16

A specific cytolytic T cell response induced by subcutaneous challenge with allogeneic rat epididymal spermatozoa. Thomas IK, et al. **J Reprod Immunol** 1981 Jul;3(3):157–64

Distribution of macrophage cytotoxic and macrophage helper functions on BSA discontinuous gradients. Chapes SK, et al. **J Reticuloendothel Soc** 1981 Dec;30(6):517–30

Evidence of a T-cell-mediated cytotoxic response to parainfluenza virus type 3 pneumonia in hamsters. Kimmel KA, et al. **J Reticuloendothel Soc** 1982 Jan;31(1):71–83

In vitro cellular regulation of monocyte function: evidence for a radiosensitive suppressor. Kleinerman ES, et al. **J Reticuloendothel Soc** 1981 Nov;30(5):373–80

Specific reversal of cytolytic T lymphocyte—target cell interaction. Balk SP, et al. **J Supramol Struct Cell Biochem** 1981;16(1):43–52

BCG induced murine peritoneal exudate cells: cytotoxic activity against a syngeneic bladder tumor cell line. Pang AS, et al. **J Urol** 1982 Jun;127(6):1225–9

Natural cytotoxicity of peripheral blood lymphocytes and regional lymph node cells in breast cancer in women. Cunningham-Rundles S, et al. **JNCI** 1981 Sep;67(3):585–90

Interferon and prostaglandins: effects on human natural and lectin-induced cytotoxicity. Lang NP, et al. **JNCI** 1982 Aug;69(2):339–43

Effects of different fractions of Corynebacterium parvum on the cytotoxic T-cell response to alloantigens in mice. Lichtenstein A, et al. **JNCI** 1982 Aug;69(2):495–501

Modulation of cell-mediated alloimmunity by BCG. II. Induction of specific, nonadherent, non-T-killer cells by BCG and alloantigen. Murahata RI, et al. **JNCI** 1982 Sep; 69(3):613–8

Cytotoxicity of antiserum sensitized hemolytic streptococcal M protein fraction on cultured myocardial cells. Yoshinaga M, et al. **Jpn Circ J** 1981 Dec;45(12):1395–8

Effect of anticancer agents on the susceptibility of tumor cells to immune cytolysis. Nakao S, et al. **Jpn J Exp Med** 1980 Dec;50(6):435–43

Analysis of elements determining the generation of cytotoxic T lymphocytes. I. Irradiated F1 recipients in which antigenic stimulation occurs consistently at an excess dose. Nanishi F, et al. **Jpn J Exp Med** 1981 Feb;51(1):9–16

The secondary cytotoxic response to allogeneic cells: the specificity of secondary cytotoxic effectors differs from that of primary effectors. Taniguchi K, et al. **Jpn J Exp Med** 1981 Apr;51(2):89–95

Characteristics of xenograft rejection. I. Augmented cytotoxicity of peritoneal T cells after intraperitoneal injection of booster antigen and/or proteose peptone. Terasaka R, et al. **Jpn J Exp Med** 1981 Apr;51(2):75–80

Cytotoxicity of natural killer cells: correlation with emperipolesis and surface enzymes. Burns ER, et al. **Lab Invest** 1982 Jul;47(1):99–107

Mechanism of damage to the contralateral testis in rats with an ischaemic testis. Harrison RG, et al. **Lancet** 1981 Oct 3;2(8249):723–5

Killer T cell responses to influenza A during a drift period: studies in mice. Armerding D, et al. **Med Microbiol Immunol (Berl)** 1982;170(4):255–64

The role of antibody and complement in lysing virus-infected cells. Sissons JG, et al. **Med Microbiol Immunol (Berl)** 1982; 170(4):221–7 (19 ref.)

Allosensitized T cells produce soluble factors susceptible to suppress allogeneic proliferation but not to interfere on cell mediated cytotoxicity. Carosella E, et al. **Medicina (B Aires)** 1981;41 Suppl:65–76

Enhancement of cytotoxicity of human peripheral blood lymphocytes by interferon. Kato T, et al. **Microbiol Immunol** 1981;25(8):837–45

Preparation of stable target cells for anti-herpes simplex virus cytotoxic T lymphocytes. Sonoda S, et al. **Microbiol Immunol** 1981;25(10):999–1010

Characterization of the antibodies in normal rabbit serum responsible for the lysis of NK-sensitive target cells. Urdal DL, et al. **Mol Immunol** 1982 Apr;19(4):599–608

Neuron specific in vitro cytotoxicity of sera from patients with amyotrophic lateral sclerosis. Roisen FJ, et al. **Muscle Nerve** 1982 Jan;5(1):48–53

Cytotoxic t cells in cytomegalovirus infection: HLA-restricted T-lymphocyte and non-T-lymphocyte cytotoxic responses correlate with recovery from cytomegalovirus infection in bone-marrow-transplant recipients. Quinnan GV Jr, et al. **N Engl J Med** 1982 Jul 1;307(1):7–13

Hybrids between rat lymphoma and mouse T cells with inducible cytolytic activity. Conzelmann A, et al. **Nature** 1982 Jul 8;298(5870):170–2

Univalent antibodies kill tumour cells in vitro and in vivo. Glennie MJ, et al. **Nature** 1982 Feb 25;295(5851):712–4

Structural homology of a macrophage differentiation antigen and an antigen involved in T-cell-mediated killing.

Kürzinger K, et al. **Nature** 1982 Apr 15;296(5858):668–70

Monoclonal antibody to Lyt 2 antigen blocks H–2I– and H–2K– specific mouse cytotoxic T cells. Miller RA, et al. **Nature** 1982 Mar 4;296(5852):76–8

Product of a transferred H–2Ld gene acts as restriction element for LCMV–specific killer T cells. Orn A, et al. **Nature** 1982 Jun 3;297(5865):415–7

A differentiation factor required for the expression of cytotoxic T–cell function. Raulet DH, et al. **Nature** 1982 Apr 22;296(5859):754–7

Defective T–cell response in beige mutant mice. Saxena RK, et al. **Nature** 1982 Jan 21;295(5846):240–1

Recognition of conformational determinants on H–2 by cytolytic T lymphocytes. Sherman LA. **Nature** 1982 Jun 10;297(5866):511–3

Mechanisms of cell mediated lysis [news] Simpson E. **Nature** 1981 Oct 29;293(5835):702–3

Cytotoxic T lymphocytes induced by syngeneic mouse melanoma cells recognize human melanomas. Wakabayashi S, et al. **Nature** 1981 Dec 24;294(5843):748–50

Epstein–Barr virus–specific cytotoxic T–cell clones restricted through a single HLA antigen. Wallace LE, et al. **Nature** 1982 Jun 3;297(5865):413–5

Antigen–driven helper cell–independent cloned cytolytic T lymphocytes. Widmer MB, et al. **Nature** 1981 Dec 24; 294(5843):750–2

The protective role of acquired host antigens during schistosome maturation. McLaren DJ, et al. **Parasite Immunol** 1982 Mar;4(2):129–48

Killing of the malarial parasite Plasmodium yoelii in vitro by cells of myeloid origin. Taverne J, et al. **Parasite Immunol** 1982 Mar;4(2):77–91

Lymphocyte function–associated antigen 1 (LFA–1): a surface antigen distinct from Lyt–2,3 that participates in T lymphocyte–mediated killing. Davignon D, et al. **Proc Natl Acad Sci USA** 1981 Jul;78(7):4535–9

T cells may express multiple activities: specific allohelp, cytolysis, and delayed–type hypersensitivity are expressed by a cloned T–cell line. Dennert G, et al. **Proc Natl Acad Sci USA** 1981 Jul;78(7):4540–3

Single channel currents induced by complement in antibody–coated cell membranes. Jackson MB, et al. **Proc Natl Acad Sci USA** 1981 Oct;78(10):6421–5

Herpesvirus ateles and herpesvirus saimiri transform marmoset T cells into continuously proliferating cell lines that can mediate natural killer cell–like cytotoxicity. Johnson DR, et al. **Proc Natl Acad Sci USA** 1981 Oct; 78(10):6391–5

Inhibition of specific cell–mediated cytotoxicity by monoclonal antibodies to human T cell antigens. Platsoucas CD, et al. **Proc Natl Acad Sci USA** 1981 Jul;78(7):4500–4

Membrane attack complex of complement: distribution of subunits between the hydrocarbon phase of target membranes and water. Podack ER, et al. **Proc Natl Acad Sci USA** 1981 Jul;78(7):4544–8

Induction of immune cytolysis: tumor–cell killing by complement is initiated by covalent complex of monoclonal antibody and stable C3/C5 convertase. Vogel CW, et al. **Proc Natl Acad Sci USA** 1981 Dec;78(12):7707–11

Ontogeny of murine thymus cells: correlation of surface phenotype with the appearance of cytolytic T lymphocyte precursors. Ceredig R, et al. **Prog Clin Biol Res** 1982;85 Pt A:443–9

Cell–mediated lympholysis in H–2K/D identical congenic strain combinations. Wernet D, et al. **Prog Clin Biol Res** 1981;66 Pt A:573–7

Enhancement of antibody–complement cytotoxicity against virus–transformed hamster PARA–7 cells treated with heat and microwave radiation. Cain CA, et al. **Radiat Res** 1981 Oct;88(1):96–107

The cytotoxic effect of mouse macrophages stimulated in vitro by a beta–1,3–D–glucan from yeast cell walls. Bögwald J, et al. **Scand J Immunol** 1982;15(3):297–304

Natural and antibody–dependent cellular cytotoxicity in tumour–adherent T lymphocytes: expression of Fc receptors and of a human T–subgroup–specific antigen. Feucht HE, et al. **Scand J Immunol** 1981 May;15(5):483–92

Reduced natural killer cell activity of lymphocytes from patients with Werner's syndrome and recovery of its activity by purified human leucocyte interferon. Goto M, et al. **Scand J Immunol** 1982 Apr;15(4):389–97

Relative immunogenicity and tolerogenicity of individual regions or segments of the MHC. Hašek M, et al. **Scand J Immunol** 1981 Dec;14(6):669–72

The H–2 restriction specificity of cytotoxic T cells derived from intrathymic precursors. Hurme M, et al. **Scand J Immunol** 1981 Oct;14(4):433–8

Cytotoxicity of tumour–bearer serum to D23 hepatoma cells derived from solid tumours, ascites or in vitro cultures. Lando P, et al. **Scand J Immunol** 1982;15(3):259–66

One third of murine splenic T cells are cytotoxic precursors induced to grow by leucoagglutinin and TCGF. Larsson EL. **Scand J Immunol** 1981 May;15(5):515–9

Role of IgM in human monocyte–mediated target cell destruction in vitro. Ohlander C, et al. **Scand J Immunol** 1982 Apr;15(4):363–70

Regulation of IgG–IgM interplay by antibody specificity in human K–cell–mediated cytotoxicity. Ohlander C, et al. **Scand J Immunol** 1982 Apr;15(4):409–17

Alpha–fetoprotein on human peripheral blood lymphocytes does not block complement–dependent lymphocytotoxicity. Ren EC, et al. **Scand J Immunol** 1981; 14(3):309–13

Interleukin–2 and serum thymic factor enable autologous rosette–forming T lymphocytes to generate helper and cytotoxic functions. Sugawara I, et al. **Scand J Immunol** 1982 Feb;15(2):233–8

The generation of specific cytotoxic responses by human lymphocytes requires antigen and activities provided by a lymphokine supernatant. Warren HS. **Scand J Immunol** 1981;14(1):71–6

Characterization and possible mechanisms of mitogen–induced cell–mediated cytotoxicity. Yue CL, et al. **Scand J Immunol** 1981 Oct;14(4):397–408

HLA restriction of human cytotoxic T cells. McMichael AJ. **Springer Semin Immunopathol** 1980 May;3(1):3–22 (92 ref.)

T cell subsets participating in the generation of cytotoxic T cells. Simon MM, et al. **Springer Semin Immunopathol** 1980 May;3(1):39–62 (50 ref.)

Surface IgG–mediated mixed lymphocyte culture and cell–mediated lympholysis responses by immunocompetent thymus cells. Dyminski JW. **Thymus** 1981 Nov; 3(4–5):257–75

Ontogeny of anti–self–trinitrophenyl cytotoxic T–cell responses. Schmitt–Verhulst AM, et al. **Thymus** 1981 Aug; 3(2):77–85

Cellular cytotoxicity generated in a canine mixed kidney lymphocyte cell culture. Buurman WA, et al. **Tissue Antigens** 1981 Nov;18(5):326–30

Functional cell mediated lympholysis: II. Genetics. Goeken NE, et al. **Tissue Antigens** 1981;17(4):411–20

Functional cell mediated lympholysis I. Description of the assay. Goeken NE, et al. **Tissue Antigens** 1981; 17(4):396–410

Lymphocyte subpopulations in man: enhancement and inhibition in generation of cytotoxic T lymphocytes in vitro. Johnsen HE. **Tissue Antigens** 1981 Aug;18(2):125–35

Lymphocyte subpopulations in man: induction of cytotoxic T lymphocytes in vitro by allogeneic B and T cells. Johnsen HE. **Tissue Antigens** 1981 Aug;18(2):108–24

Cytolitic activity of monoclonal antibodies strongly depends on rabbit complement used. Richiardi P, et al. **Tissue Antigens** 1981;17(4):368–71

Low responsiveness to Dk or Db plus vaccinia virus or to Kk plus lymphocytic choriomeningitis virus assessed by availability of D or K products. Zinkernagel RM, et al. **Tissue Antigens** 1981 May;17(5):507–17

Factors influencing the vaccinia–specific cytotoxic response of thymocytes from normal and chimeric mice. Doherty PC, et al. **Transplant Proc** 1981 Dec;13(4):1850–3

Activation of allosensitized memory lymphocytes into secondary cytotoxic T lymphocytes by third–party stimulator cells: genetic mapping of the stimulating antigens. Fan J, et al. **Transplant Proc** 1981 Dec; 13(4):1897–900

Donor–specific decreased primary and secondary cell–mediated immune responses in patients with well functioning grafts. Pfeffer PF, et al. **Transplant Proc** 1981 Sep;13(3):1604–6

Recognition of HLA and minor alloantigens on human target cells by allostimulated cytotoxic effectors in vitro. Pierson G, et al. **Transplant Proc** 1981 Dec;13(4):1901–5

The immunogenic and tumorigenic properties of a murine lymphoma that expresses foreign alloantigens: role of helper factor(s) in generating a cytotoxic response in vitro. Scott JW, et al. **Transplant Proc** 1981 Dec;13(4):1867–73

Interpretation of clinical events in the light of measured immune responses. Stiller CR, et al. **Transplant Proc** 1981 Sep;13(3):1628–30

Characterization of alloantigen–activated human lymphocytes cytotoxic for autologous EB virus–transformed lymphoblastoid cell lines. Zarling JM. **Transplant Proc** 1981 Dec;13(4):1893–6

The in vivo cytotoxic T cell response to alloantigen requires a Lyt–1+ helper T lymphocyte. Baum LL, et al. **Transplantation** 1981 Nov;32(5):409–14

Display of the neutral glycolipid ganglio–n–tetraosylceramide (asialo GM1) on cells of the natural killer and T lineages. Beck BN, et al. **Transplantation** 1982 Feb;33(2):118–22

Monocytotoxic antibodies after bone marrow transplantation in aplastic anemia. Gluckman JC, et al. **Transplantation** 1982 Jun;33(6):599–602

Effect of thymectomy on the cell–mediated cytotoxicity response to male skin grafts in C3H/HeN female mice. Goldberg EH, et al. **Transplantation** 1982 Feb;33(2):209–10

In vitro generation of helper T cells and suppressor T cells that regulate the cytolytic T lymphocyte response to trinitrophenyl–modified syngeneic cells. Gualde N, et al. **Transplantation** 1982 Apr;33(4):422–6

Changes in human natural killer activity early and late ater renal transplantation using conventional immunosuppression. Guillou PJ, et al. **Transplantation** 1982 Apr;33(4):414–21

Cells mediating graft rejection in the mouse. IV. The Ly–5, 6, and 8 effector cell phenotype. Loveland BE, et al. **Transplantation** 1982 Apr;33(4):411–3

Regulation of the cytotoxic T cell response to minor histocompatibility antigens. Pilarski LM. **Transplantation** 1981 Sep;32(3):188–93

Placental and embryo cells can induce the generation of cytotoxic lymphocytes in vitro. Toder V, et al. **Transplantation** 1982 Feb;33(2):196–8

Cell–mediated cytotoxicity toward canine kidney epithelial cells. Vegt PA, et al. **Transplantation** 1982 May;33(5):465–9

Restoration of allogeneic responsiveness of lymphocytes from cyclosporin A–treated animals with interleukin 2. Wang BS, et al. **Transplantation** 1982 Apr;33(4):454–6

Diagnostic and prognostic value of antibody–dependent cellular cytotoxicity and lectin–induced cellular cytotoxicity tests for renal graft rejection. Wąsik M, et al. **Transplantation** 1981 Sep;32(3):217–21

Effect of BCG immunotherapy on cell–mediated cytotoxicity in bladder cancer patients following surgical treatment. Antonaci S, et al. **Tumori** 1981 May–Jun;67(3):177–82

A fluorescence study on the mobility of surface antigens of untreated tumor cells and of tumor cells undergoing cell–mediated lysis. Matter A, et al. **Virchows Arch [Cell Pathol]** 1981;37(1):11–28

Product of adenovirus type 2 early gene block E1 in transformed cells elicits cytolytic response in syngeneic rats. Raška K Jr, et al. **Virology** 1982 Mar;117(2):530–5

[The cytotoxic effect of lymphocytes from patients with nasopharyngeal cancer (NPC) against a NPC epitheloid cell line (author's transl)] Lin YC, et al. **Chung Hua Chung Liu Tsa Chih** 1981 Feb;3(1):1–4 (Eng. Abstr.) **(Chi)**

[The cytotoxic effect of the lymphocytes of viral hepatitis on rabbit liver cells in vitro (author's transl)] Xie XC. **Chung Hua Nei Ko Tsa Chih** 1982 Feb;21(2):88–90 **(Chi)**

[Destruction of virus infected cells with specific antibodies and complements] Zhang LB, et al. **Chung Kuo I Hsueh Ko Hsueh Yuan Hsueh Pao** 1981 Dec; 3(4):256–60 (Eng. Abstr.) **(Chi)**

[Anti–tumour cytostatic and cytotoxic properties of peritoneal exudate cells of conventional and germ–free mice, stimulated or not by 'Corynebacterium parvum' (author's transl)] Fray A, et al. **Ann Immunol (Paris)** 1982 Jan–Feb;133(1):33–43 (Eng. Abstr.) **(Fre)**

[In vitro study of comparative immunosuppressive activity of sera from pregnant women on an in vitro cellular cytotoxic reaction] Fizet D, et al. **C R Seances Acad Sci [III]** 1981 Nov 16;293(10):583–8 (Eng. Abstr.) **(Fre)**

[Cytotoxic response of rats bearing multicellular spheroids of adenocarcinoma 13762] Pelletier G, et al. **Union Med Can** 1981 Jul;110(7):669–72 (Eng. Abstr.) **(Fre)**

[Functional characteristic of TTK–lymphocytes in vitro, cytotoxicity and mixed lymphocyte culture (MLC)] Zapff G, et al. **Folia Haematol (Leipz)** 1981;108(3):378–85 (Eng. Abstr.) **(Ger)**

[Applied allergology. 12. Allergic blood disorders: type II cytotoxic reactions] Ring J. **MMW** 1982 Jan 29; 124(4):78–82 **(Ger)**

[Natural and antibody–dependent cytotoxicity of lymphocytes in the aged] Bátory G, et al. **Orv Hetil** 1981 Nov 15;122(46):2843–6 **(Hun)**

[Lymphocytotoxicity against autologous hepatocytes in alcoholic liver lesions] Actis GC. **Minerva Med** 1982 Apr 28;73(18):1155–6 **(Ita)**

[Effect of Nocardia rubra cell wall skeleton on cultured spontaneous cell medicated cytotoxicity (author's transl)] Matsuzaki H, et al. **Arerugi** 1982 Feb;31(2):86–93 (Eng. Abstr.) **(Jpn)**

[Cytotoxic natural anti–tumor antibodies against fibrosarcoma and glioma cells in rats (author's transl)] Itaya T. **Hokkaido Igaku Zasshi** 1981 Sep;56(5):499–506 (Eng. Abstr.) **(Jpn)**

[Autologous lymphocytotoxicity against squamous cell carcinoma in head and neck. I. In vitro culture of squamous cell carcinoma in head and neck (author's transl)] Ikawa T. **Nippon Jibiinkoka Gakkai Kaiho** 1981 Dec 20; 84(12):1570–8 (Eng. Abstr.) **(Jpn)**

[Autologous lymphocytotoxicity against squamous cell carcinoma in head and neck. II. Evidence of autologous lymphocytotoxicity against tumor cell (author's transl)] Ikawa T. **Nippon Jibiinkoka Gakkai Kaiho** 1981 Dec 20; 84(12):1579–87 (Eng. Abstr.) **(Jpn)**

[Lymphocyte cytotoxicity against HBsAG–coated hepatocytes in patients with chronic hepatitis. I. Significance of T–cell medicated cytotoxicity (author's transl)] Nonomura A, et al. **Nippon Shokakibyo Gakkai Zasshi** 1981 Sep;78(9):1760–71 (Eng. Abstr.) **(Jpn)**

[Detection of the cytotoxic effect of tumor cells against the targets of normal killers] Fuks BB, et al. **Biull Eksp Biol Med** 1981 Sep;92(9):342–5 (Eng. Abstr.) **(Rus)**

[Changes in catecholamine concentration and myocardial contractility in focal cytotoxic lesions of the heart] Buriakov IE. **Fiziol Zh** 1981 Nov–Dec;27(6):780–5 (Eng. Abstr.) **(Rus)**

[Cross reactivity of cytotoxic T–lymphocyte immune receptors immune to antigens of the H–2 complex studied by lymphocyte fractionation on target cell monolayers] Bandz BD, et al. **Mol Biol (Mosk)** 1982 May–Jun; 16(3):481–92 (Eng. Abstr.) **(Rus)**

[Characteristics of sensitized lymphoid cells in rheumatoid arthritis] Benenson EV, et al. **Vopr Revm** 1982 Apr–Jun; (2):36–9 (Eng. Abstr.) **(Rus)**

DRUG EFFECTS

In vivo effect of naganol on the cytostatic activity of rat peritoneal macrophages. Toshkov A, et al. **Acta Microbiol Bulg** 1981;8:5–9

The role of calcium in the lethal hit of T lymphocyte-mediated cytolysis. Martz E, et al. **Adv Exp Med Biol** 1982;146:121-47

The effect of amicillin on antibody dependent (ADCC) and lectin induced (LICC) cellular cytotoxicity. Wasik M, et al. **Arch Immunol Ther Exp (Warsz)** 1981;29(3):373-7

Inhibition of polymorphonuclear leukocyte-mediated cytotoxicity by hydrocortisone 'in vitro'. Capsoni F, et al. **Boll Ist Sieroter Milan** 1981 May;60(2):113-20

Activation of natural cytotoxicity of human peripheral blood mononuclear cells by interferon: a kinetic study and comparison of different interferon types. Claeys H, et al. **Br J Haematol** 1982 Jan;50(1):85-94

Suppression of the cytotoxic response of mouse lymphocytes to syngeneic tumor cells by tumor-promoting phorbol ester. Fredrickson GG, et al. **Cancer Res** 1982 Sep; 42(9):3601-6

Cytotoxic T-cell-mediated antitumor effect of levamisole against murine syngeneic fibrosarcoma. Gomi K, et al. **Cancer Res** 1982 Oct;42(10):4197-202

Effect of L-phenylalanine mustard, adriamycin, actinomycin D, and 4'-(9-acridinylamino)methanesulfon-m-anisidide on naturally occurring human spontaneous monocyte-mediated cytotoxicity. Kleinerman ES, et al. **Cancer Res** 1982 May;42(5):1692-5

Enhancement of macrophage-induced cytotoxicity by phorbol ester tumor promoters. Laskin DL, et al. **Cancer Res** 1981 Nov;41(11 Pt 1):4523-8

In vitro generation of tumoricidal properties in human alveolar macrophages following interaction with endotoxin. Sone S, et al. **Cancer Res** 1982 Jun;42(6):2227-31

Effect of cytarabine on cytotoxic T-cell development. Merluzzi VJ, et al. **Cancer Treat Rep** 1982 Mar;66(3):535-40

Effects of tumor-promoting agents on cells of the murine immune system: inhibition of antibody synthesis and of macrophage-mediated tumor cell cytotoxicity. Baxter CS, et al. **Carcinog Compr Surv** 1982;7:637-42

Suppression of natural tumor resistance by tumor promoters. Keller R, et al. **Carcinog Compr Surv** 1982;7:643-5

Effects of cyclophosphamide and cortisone on the virus-immune response characteristics of thymocytes and the early reconstitution profiles of P leads to F1 chimeras. Doherty PC, et al. **Cell Immunol** 1981 Nov 15;65(1):33-42

Concomitant induction of cytotoxic and suppressor cells: modulation by theophylline. Rola-Pleszczynski M, et al. **Cell Immunol** 1981 Nov 15;65(1):13-9

Molecular interactions in human T-cell-mediated cytotoxicity to Epstein-Barr virus. I. Blocking of effector cell function by monoclonal antibody OKT3. Tsoukas CD, et al. **Cell Immunol** 1982 May 1;69(1):113-21

Deficient natural killer cell activity in a patient with Fanconi's anaemia and squamous cell carcinoma. Association with defect in interferon release. Hersey P, et al. **Clin Exp Immunol** 1982 Apr;48(1):205-12

Spontaneous cytotoxicity of human peripheral blood mononuclear cells for the lymphoblastoid cell line CCRF-CEM: augmentation by bacterial lipopolysaccharide. Schacter B, et al. **Clin Exp Immunol** 1981 Dec;46(3):640-8

Identification of carcinogens by measurements of cell-mediated immunity. II. Assay specificity. Stevens RH, et al. **Environ Res** 1982 Jun;28(1):67-76

Cyclosporin A mediates immunosuppression of primary cytotoxic T cell responses by impairing the release of interleukin 1 and interleukin 2. Bunjes D, et al. **Eur J Immunol** 1981 Aug;11(8):657-61

Inhibition of mouse natural killer activity by cholera toxin. Fuyama S, et al. **Gan** 1981 Feb;72(1):141-4

Cytotoxic cells induced in tumor-bearing rats by a streptococcus preparation (OK-432). Hojo H, et al. **Gan** 1981 Oct;72(5):692-9

Effect of estradiol and degree of cell differentiation on human melanoma susceptibility to killing by monoclonal antibodies. Hakim AA. **Immunol Lett** 1982 Jan;4(1):59-64

Effect of prostaglandins on elicitation of anti-viral-cytolytic activity. Hale AH, et al. **Immunol Lett** 1982 Mar;4(3):171-4

Inhibition of spontaneous but not antibody-dependent cell-mediated cytotoxicity by simple sugars: evidence that endogenous lectins may mediate spontaneous cell-mediated cytotoxicity. MacDermott RP, et al. **Immunology** 1981 Sep; 44(1):143-52

A small molecular weight peptide from P815 mastocytoma cells induces macrophage cytotoxicity. Dullens HF, et al. **Immunopharmacology** 1981 Dec;3(4):309-16

In-vitro-induced human T cells cytotoxic against herpes-simplex-virus-infected targets: modulation by theophylline of the induction and effector stages. Rola-Pleszczynski M, et al. **Immunopharmacology** 1982 Jun; 4(3):225-33

In vitro augmentation of human natural killer (NK) cell activity by a streptococcal preparation OK-432 and its extracts, protein M and polysaccharides. Wakasugi H, et al. **Int Arch Allergy Appl Immunol** 1982;67(4):322-8

Mechanisms of enhancement of Epstein-Barr virus-induced transformation of peripheral blood lymphocytes by a tumor promoter, TPA, with special reference to lowering of cytotoxicity of T cells. Harada S, et al. **Int J Cancer** 1981 May 15;27(5):617-23

Induction of cytotoxic activity in human lymphocytes against autologous and allogeneic melanoma cells in vitro by culture with interleukin 2. Hersey P, et al. **Int J Cancer** 1981 Dec;28(6):695-703

Lysis of human B-lymphocyte-derived lymphoma/leukemia cells of established cell lines by interferon-activated natural killer (NK) cells. Pattengale PK, et al. **Int J Cancer** 1981 Oct 15;28(4):459-68

Lymphotoxin enhances the susceptibility of neoplastic and preneoplastic cells to natural killer cell mediated destruction. Ransom JH, et al. **Int J Cancer** 1982 Apr 15; 29(4):451-8

Variable effects of indomethacin and four related compounds on lymphocyte blastogenesis and cell-mediated cytotoxicity. Rojo JM, et al. **Int J Clin Pharmacol Ther Toxicol** 1981 Sep;19(9):420-4

Macrophage mediated cytotoxicity in man: role of hydrocortisone, trypan blue, chloroquine and prednisolone. Cameron DJ, et al. **Int J Immunopharmacol** 1981;3(1):77-85

Effects of prostaglandins on the development of cell-mediated immunity in culture and on the cytolytic activity of in vivo-generated effector cells. Leung KH, et al. **Int J Immunopharmacol** 1982;4(3):205-17

Augmentation of natural killer (NK) cell activity by a streptococcal preparation, OK-432, in patients with malignant tumors. Wakasugi H, et al. **J Clin Immunol** 1981 Jul;1(3):154-62

Medullasin enhances human natural killer cell activity. Aoki Y, et al. **J Clin Invest** 1982 Jun;69(6):1223-30

Augmentation of spontaneous macrophage-mediated cytolysis by eosinophil peroxidase. Nathan CF, et al. **J Exp Med** 1982 May 1;155(5):1291-308

NK cell sensitivity of the leukemic K 562 cells; effect of sodium butyrate and hemin induction. Dokhelar MC, et al. **J Immunol** 1982 Jan;128(1):211-6

A role for oxygen-dependent mechanisms in killing of Leishmania donovani tissue forms by activated macrophages. Haidaris CG, et al. **J Immunol** 1982 Aug; 129(2):850-5

Mechanisms of human cell-mediated cytotoxicity. I. Modulation of natural killer cell activity by cyclic nucleotides. Katz P, et al. **J Immunol** 1982 Jul;129(1):287-96

Mechanisms of human cell-mediated cytotoxicity. II. Correction of the selective defect in natural killing in the Chediak-Higashi syndrome with inducers of intracellular cyclic GMP. Katz P, et al. **J Immunol** 1982 Jul; 129(1):297-302

Sr++-induced inhibition of human natural killer (NK) cell-mediated cytotoxicity. Neighbour PA, et al. **J Immunol** 1982 Mar;128(3):1236-40

Cellular and genetic restrictions in the immunoregulatory activity of alpha-fetoprotein. III. Role of the MLC-stimulating cell population in alpha-fetoprotein-induced suppression of T cell-mediated cytotoxicity. Peck AB, et al. **J Immunol** 1982 Mar; 128(3):1134-40

Studies on the mechanism of NK cell lysis. Quan PC, et al. **J Immunol** 1982 Apr;128(4):1786-91

Inhibition of cytotoxic T lymphocyte activity by concanavalin A. Sitkovsky MV, et al. **J Immunol** 1982 Oct; 129(4):1372-6

Inhibition of cellular cytotoxicity of leukocytes for herpes simplex virus-infected cells in vitro and in vivo by intralipid. Loo LS, et al. **J Infect Dis** 1982 Jul;146(1):64-70

Effect of lipids, structural precursors of lipids and fatty acids on complement-mediated killing of antibody-sensitized nucleated cells. Ohanian SH, et al. **Mol Immunol** 1982 Apr; 19(4):535-42

Mannose 6-, fructose 1-, and fructose 6-phosphates inhibit human natural cell-mediated cytotoxicity. Forbes JT, et al. **Proc Natl Acad Sci USA** 1981 Sep;78(9):5797-801

Modulation of the immune response by plasma protease inhibitors. I. Alpha 2-macroglobulin and alpha 1-antitrypsin inhibit natural killing and antibody-dependent cell-mediated cytotoxicity. Ades EW, et al. **Scand J Immunol** 1982;15(1):109-13

Modulation of the immune response by plasma protease inhibitors. II. Alpha 2-macroglobulin subunits inhibit natural killer cell cytotoxicity and antibody-dependent cell-mediated cytotoxicity. Gravagna P, et al. **Scand J Immunol** 1982;15(1):115-8

Role of antigen density in immune lysis of interferon-treated human lymphoid cells: analysis with monoclonal antibodies to the HLA-A,B antigenic molecular complex and to Ia-like antigens. Imai K, et al. **Scand J Immunol** 1981 Nov; 14(5):529-35

Effect of histamine-receptor blocking on human spontaneous lymphocyte-mediated cytotoxicity. Láng I, et al. **Scand J Immunol** 1981 Nov;14(5):573-6

Inhibitory effects of various oxygenated sterols on the differentiation and function of tumor-specific cytotoxic T lymphocytes. Spangrude GJ, et al. **Transplantation** 1982 May;33(5):482-91

Immunosuppressive properties of polar organic compounds that induce cellular differentiation in Friend erythroleukemia cells. Suthanthiran M, et al. **Transplantation** 1982 May;33(5):534-40

[Effect of inhibitor-antioxidant of 3-hydroxypyridine series on cellular immunity] Suzdal'tseva AA, et al. **Biull Eksp Biol Med** 1982 Feb;93(2):49-50 **(Rus)**

[Morphofunctional changes in the myocardium as affected by anticardiac cytotoxic sera] Pasechnik AV. **Patol Fiziol Eksp Ter** 1981;(6):70-2 (Eng. Abstr.) **(Rus)**

[Role of immune cytolysis and its thymosin stimulation in experimental influenza] Savtsova ZD, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1982 Mar;(3):55-8 (Eng. Abstr.) **(Rus)**

RADIATION EFFECTS

Analysis of low natural killer cell activity in 89Sr-treated mice. Mellen PF, et al. **Eur J Immunol** 1982 May; 12(5):442-5

Low dose radiosensitivity of alloimmune cytotoxic T cells. Spellman C, et al. **J Exp Med** 1982 Jun 1;155(6):1858-63

Analysis of X-linked gene data [letter] Montgomery IN. **J Immunol** 1982 Feb;128(2):996-7

[Changes of leukocyte and lymphocyte values and of cytotoxicity in tumour-carrying rats in dependence on a local irradiation and increase of cAMP level, respectively (author's transl)] Rose H, et al. **Rediobiol Radiother (Berl)** 1981;22(3):331-5 (Eng. Abstr.) **(Ger)**

CYTOTOXICITY TESTS, IMMUNOLOGIC

Reactions in the cytotoxic leucocyte test. Ruokonen J. **Allergol Immunopathol (Madr)** 1981 Jul-Aug;9(4):281-8

Immunity to cytopathic agents associated with Crohn's disease: a negative study. Chiba M, et al. **Gut** 1982 Apr; 23(4):333-9

Interpretation and in vivo relevance of lymphocytotoxicity assays. Klein E. **Hamatol Bluttransfus** 1981;26:345-50

ADCC of cultured human melanoma cells: analysis with monoclonal antibodies to human melanoma-associated antigens. Imai K, et al. **Scand J Immunol** 1981 Oct; 14(4):369-77

Histocompatibility typing by cytotoxic lymphocytes. The HLA-A2-28, B5-w35 serologically cross-reactive groups reviewed by cytotoxic lymphocytes. Kristensen T, et al. **Tissue Antigens** 1981 May;17(5):464-72

Cytolitic activity of monoclonal antibodies strongly depends on rabbit complement used. Richiardi P, et al. **Tissue Antigens** 1981;17(4):368-71

A method for freezing sheep lymphocytes prior to cytotoxicity testing. Stear MJ, et al. **Tissue Antigens** 1982 Feb;19(2):134-9

[Different cytotoxic reactivity of anti-HLA A or B sera against sub-population of human lymphocytes prepared with different methods] Richiardi P, et al. **G Batteriol Virol Immunol** 1980 Jul-Dec;73(7-12):180-9 **(Ita)**

[Evaluation of spontaneous antibody-dependent cellular cytotoxicity (ADCC) and direct spontaneous lymphocyte-mediated cytotoxicity (SLMC) in patients with neoplasms] Degliantoni G, et al. **G Clin Med** 1981 Sep;62(9):609-23 (Eng. Abstr.) **(Ita)**

[Killer cell activity test] Amino N, et al. **Rinsho Byori** 1981 Apr;(Suppl 45):283-98 **(Jpn)**

[Natural killer cell activity test] Oshimi K. **Rinsho Byori** 1981 Apr;(Suppl 45):299-309 **(Jpn)**

[HLA test] Sekiguchi S, et al. **Rinsho Byori** 1981 Apr;(Suppl 45):311-24 **(Jpn)**

[ADCC test] Suzuta T. **Rinsho Byori** 1981 Apr;(Suppl 45):273-82 **(Jpn)**

[Inhibition of antibody-dependent cell-mediated cytotoxicity (CIA) as a technic for measuring circulating immune complexes in autoimmune diseases] Guerra F, et al. **Rev Clin Esp** 1981 Dec 31;163(6):397-402 (Eng. Abstr.) **(Spa)**

INSTRUMENTATION

A simple and economical device for the rapid collection of multiple supernates from cytotoxicity experiments. Korzeniewski C, et al. **J Immunol Methods** 1982;50(1):1-9

Pooled sera for cytotoxicity testing: accurate, time- and cost-effective preliminary crossmatches. Etheredge EE, et al. **Tissue Antigens** 1981 May;17(5):480-5

METHODS

Red blood cells coated with tumor cell extracts as targets in 51Cr release assays. Karjalainen HE, et al. **Acta Pathol Microbiol Scand [C]** 1981 Oct;89(5):315-9

Cytotoxins - cause of serum activity as complement in the lymphocytotoxic test. Májský A. **Folia Haematol (Leipz)** 1981;108(6):745-51

Position-dependent cell survival and the microcytotoxicity assay. Chalmers PJ, et al. **J Immunol Methods** 1982; 51(1):81-8

Augmentation of murine natural killer activity after culture. Cohen SA, et al. **J Immunol Methods** 1982;48(3):359-65

The use of phagocytic peritoneal exudate cells as targets for the estimation of cytotoxic T cell activity. Hosono M, et al. **J Immunol Methods** 1982;50(3):289-97

An easy quantitative cytotoxicity assay using a Coulter Counter. Iwamoto M, et al. **Jpn J Exp Med** 1981 Apr; 51(2):109-15U

A simplified micro-method for cytotoxicity testing using a flat-type titration plate for the detection of H-2 antigens. Shiroishi T, et al. **Microbiol Immunol** 1981;25(12):1327-34

[Antiglobulin cytotoxic test using 1:1000 SAGH - an optimum technique (author's transl)] Májský A. **Cas Lek Cesk** 1982 Jan 29;121(4):102-4 (Eng. Abstr.) **(Cze)**

[Cell-mediated cytotoxicity--CML test (author's transl)] Pružinec P, et al. **Bratisl Lek Listy** 1982 Feb;77(2):159-64 (Eng. Abstr.) **(Slo)**

CYTOTOXINS

The effects of bacterial sonicates on human keratinizing stratified squamous epithelium in vitro. Kamen PR. **J Periodont Res** 1981 May;16(3):323–30

ANALYSIS

Clostridium difficile and cytotoxin in routine faecal specimens. Nash JQ, et al. **J Clin Pathol** 1982 May; 35(5):561–5

Characterization of toxic extracts of in vitro cultured human plaque. Singer RE, et al. **J Periodont Res** 1980 Nov; 15(6):603–14

[Interaction with liposomes of the spin-labelled cytotoxin from Central Asian cobra venom] Aripov TF, et al. **Dokl Akad Nauk SSSR** 1982;262(5):1275–7 **(Rus)**

BIOSYNTHESIS

Production of an anti-tumour cytotoxin by human monocytes: comparison of endotoxin, interferons and other agents as inducers. Matthews N. **Br J Cancer** 1982 Apr; 45(4):615–7

Cytotoxicity and suckling mouse reactivity of Aeromonas hydrophila isolated from human sources. Johnson WM, et al. **Can J Microbiol** 1981 Oct;27(10):1019–27

Production of an anti-tumour cytotoxin by human monocytes. Matthews N. **Immunology** 1981 Sep; 44(1):135–42

Detection of extracellular toxin(s) produced by Vibrio vulnificus. Kreger A, et al. **Infect Immun** 1981 Aug; 33(2):583–90

Vero cytotoxin produced by Escherichia coli strains of animal origin. Kashiwazaki M, et al. **Natl Inst Anim Health Q (Tokyo)** 1981 Summer;21(2):68–72

Soluble cytostatic factor(s) released from human monocytes. I. Production and effect on normal and transformed human target cells. Hammestrøm J. **Scand J Immunol** 1982; 15(3):311–8

BLOOD

Cytotoxins – cause of serum activity as complement in the lymphocytotoxic test. Májský A. **Folia Haematol (Leipz)** 1981;108(6):745–51

IMMUNOLOGY

'Hidden' cytotoxic antibodies that react with allogeneic cultured fetal and tumor cells contained in soluble immune complexes from normal human sera. Morgan AC, et al. **Cancer Res** 1982 Mar;42(3):881–7

ISOLATION & PURIFICATION

Interaction of Pasteurella haemolytica with bovine neutrophils: identification and partial characterization of a cytotoxin. Baluyut CS, et al. **Am J Vet Res** 1981 Nov; 42(11):1920–6

Purification and partial characterization of a macrophage cytotoxin from Pasteurella haemolytica. Himmel ME, et al. **Am J Vet Res** 1982 May;43(5):764–7

Purification and physicochemical characterization of a human cytotoxic factor produced by a human haemic cell line. Neumann H, et al. **Biochem J** 1981 Mar 15; 194(3):847–56

Cytotoxic effect of the culture supernatant of Clostridium tetani. Matsunaga T, et al. **Chem Pharm Bull (Tokyo)** 1982 Feb;30(2):702–7

Detection, isolation, and analysis of a released Bordetella pertussis product toxic to cultured tracheal cells. Goldman WE, et al. **Infect Immun** 1982 May;36(2):782–94

Shigella toxin(s): description and role in diarrhea and dysentery. Keusch GT, et al. **Pharmacol Ther** 1981; 15(3):403–38 (172 ref.)

New cytolysins in sea anemones from the west coast of the United States. Bernheimer AW, et al. **Toxicon** 1981; 19(4):529–34

METABOLISM

Ulcerative colitis and Crohn's disease tissue cytotoxins. McLaren LC, et al. **Gastroenterology** 1982 Jun;82(6):1381–8

Cytotoxin from Pseudomonas aeruginosa in mice: distribution related to pathology. Lutz F, et al. **Toxicon** 1981; 19(6):763–71

PHARMACODYNAMICS

The use of aerolysin toxin as an aid for visualization of low numbers of African trypanosomes in whole blood. Pearson TW, et al. **Acta Trop (Basel)** 1982 Mar;39(1):73–7

Microcystis aeruginosa toxin: cell culture toxicity, hemolysis, and mutagenicity assays. Grabow WO, et al. **Appl Environ Microbiol** 1982 Jun;43(6):1425–33

Cytotoxin of Pasteurella haemolytica acting on bovine leukocytes. Shewen PE, et al. **Infect Immun** 1982 Jan; 35(1):91–4

Differential effects of Clostridium difficile toxins on tissue-cultured cells. Donta ST, et al. **J Clin Microbiol** 1982 Jun;15(6):1157–8

Clostridium difficile toxin. Chang TW, et al. **Pharmacol Ther** 1981;13(3):441–52

Cytotoxic drugs and the granulopoietic system. Lohrmann HP, et al. **Recent Results Cancer Res** 1982;81:1–222 (647 ref.)

[Cytotoxic effects of carbonyl compounds (4-hydroxyalkenals) derived from peroxidation of hepatic microsomal lipids on isolated hepatocytes] Casini AF, et al. **Boll Soc Ital Biol Sper** 1981 Jul 15;57(13):1470–6 (Eng. Abstr.) **(Ita)**

[Indirect leukocytolysis in the diagnosis of chronic and residual brucellosis] Chernysheva MI, et al. **Sov Med** 1981; (11):66–9 (Eng. Abstr.) **(Rus)**

THERAPEUTIC USE

[Antiradiation effect of a cytotoxin, venom of the Central Asian cobra, and aspects of the mechanism of its action] Mukhamedzhanov KhS, et al. **Radiobiologiia** 1981 Nov-Dec;21(6):918–22 (Eng. Abstr.) **(Rus)**

TOXICITY

Cytotoxic material released from Staphylococcus epidermidis. I. Effects on [3H]thymidine incorporation of human lymphocytes. Solymossy M, et al. **Acta Microbiol Acad Sci Hung** 1982;29(1):27–32

2,4–D see **2,4–DICHLOROPHENOXYACETIC ACID**

D 145 see under **AMANTADINE**

D 600 see under **IPROVERATRIL**

DAB see **DIMETHYLAMINOAZOBENZENE**

DACARBAZINE

A new light on the photo-decomposition of the antitumour drug DTIC. Horton JK, et al. **J Pharm Pharmacol** 1981 Dec;33(12):808–11

ADMINISTRATION & DOSAGE

Chemotherapy of disseminated malignant melanoma with imidazol carboxamide (DTIC) and cyclophosphamide. Preliminary results. Rudolf Z, et al. **Anticancer Res** 1982 Jan-Apr;2(1–2):37–9

A randomized comparison of cyclophosphamide, DTIC with or without piperazinedione in metastatic malignant melanoma. Presant CA, et al. **Cancer** 1982 Apr 1; 49(7):1355–7

Thermochemotherapy for melanoma metastases in liver. Storm FK, et al. **Cancer** 1982 Mar 15;49(6):1243–8

Effect of scheduling of combinations of 5-(3,3-dimethyl-1-triazeno)-imidazole-4-carboxamide and 1-(2-chloroethyl)-3-(4-methylcyclohexyl)-1-nitrosourea on the Harding-Passey and Cloudman S91 mouse melanomas. Hill HZ, et al. **Cancer Res** 1982 Mar; 42(3):838–42

Clinical trial of chlorozotocin, DTIC, and dactinomycin in metastatic malignant melanoma. Samson MK, et al. **Cancer Treat Rep** 1982 Feb;66(2):371–3

ABVD chemotherapy in the treatment of Hodgkin's disease. Bonadonna G, et al. **Cancer Treat Rev** 1982 Mar;9(1):21–35 (42 ref.)

Adriamycin, bleomycin, vinblastine and DTIC in advanced diffuse lymphocytic poorly differentiated lymphoma. Grigoletto E, et al. **Tumori** 1981 Oct 31;67(5):477–81

ADVERSE EFFECTS

Adverse photo reaction to decarbazine (DTIC). Bonifazi E, et al. **Contact Dermatitis** 1981 May;7(3):161

[Budd-Chiari syndrome in DTIC therapy] Swensson-Beck H, et al. **Hautarzt** 1982 Jan;33(1):30–1 (Eng. Abstr.) **(Ger)**

[Dacarbazine in malignant melanoma. Rare, severe side-effect: Budd-Chiari-syndrome (author's transl)] Doering C, et al. **Z Hautkr** 1982 Jul 1;57(13):971–80 (Eng. Abstr.) **(Ger)**

ANALOGS & DERIVATIVES

Influence of serum albumins on decomposition rates of para-substituted 1-phenyl-3-methyltriazenes and 5-(3-methyl-1-triazeno)imidazole-4-carboxamide in near physiological conditions. Delben F, et al. **J Pharm Sci** 1981 Aug;70(8):892–7

METABOLISM

Metabolic activation of triazene cytostatics. Kolar GF, et al. **Adv Exp Med Biol** 1981;136 Pt B:1285–96

[Polarographic determination of dacarbazine and aminoimidazole carboxamide in human blood and urine] Wasilewska L, et al. **Acta Pol Pharm** 1981;38(5):565–71 (Eng. Abstr.) **(Pol)**

PHARMACODYNAMICS

Properties of human melanoma cells resistant to 5-(3',3'-dimethyl-1-triazeno)imidazole-4-carboxamide and other methylating agents. Parsons PG, et al. **Cancer Res** 1982 Apr;42(4):1454–61

Expression of normal histocompatibility antigens in murine lymphomas treated with 5-(3,3'-dimethyl-1-triazeno)-imidazole-4-carboxamide (DTIC) in vivo. Taramelli D, et al. **Eur J Cancer** 1981 Apr;17(4):411–20

[In vitro cytolysis mediated by NK effectors: modification of the susceptibility of the target cell by in vivo treatment with DTIC] Migliorati G, et al. **Boll Soc Ital Biol Sper** 1981 May 15;57(9):1024–30 (Eng. Abstr.) **(Ita)**

THERAPEUTIC USE

Actinomycin-D plus 5-(3,3-dimethyl-1-triazeno)-imidazole-4-carboxamine (DTIC) with or without intravenous Corynebacterium parvum in metastatic malignant melanoma. Robidoux A, et al. **Cancer** 1982 Jun 1;49(11):2246–51

Fluorouracil, imidazole carboxamide dimethyl triazeno, vincristine, and bis-chloroethyl nitrosourea (FIVB) in colon cancer. Falkson G, et al. **Cancer Chemother Pharmacol** 1981;6(1):31–4

Chemoimmunotherapy (DTIC and Corynebacterium parvum) for disseminated malignant melanoma [letter] Karakousis CP, et al. **Cancer Treat Rep** 1981 Sep-Oct; 65(9–10):925–6

Chemoimmunotherapy for metastatic malignant melanoma using vincristine (NSC-67574), DTIC (NSC-45388) and Bacillus Calmette-Guerin. Thatcher N, et al. **Eur J Cancer** 1981 Apr;17(4):465–9

Combined effects of natural resistance and chemotherapy against a murine lymphoma in lethally-irradiated mice. Iorio AM, et al. **Int J Cancer** 1981 Oct 15;28(4):497–502

Chemoimmunotherapy for melanoma with DTIC, ACNU, VCR and OK432: evaluation of new combinations for survival rates, side effects and cellular immunity. Jimbow K, et al. **J Dermatol (Tokyo)** 1981 Aug;8(4):259–66

The role of chemotherapy as an adjuvant to surgery in the initial treatment of primary soft tissue sarcomas in adults. Das Gupta TK, et al. **J Surg Oncol** 1982 Mar;19(3):139–44

Adjuvant chemoimmunotherapy stage I/II malignant melanoma. Knost JA, et al. **J Surg Oncol** 1982 Mar; 19(3):165–70

A randomized trial of adjuvant chemotherapy and immunotherapy in cutaneous melanoma. Veronesi U, et al. **N Engl J Med** 1982 Oct 7;307(15):913–6

Trial 6: randomized study of prolonged chemotherapy, immunotherapy, and chemoimmunotherapy as an adjuvant to surgery for stage I and II melanoma: a progress report. Beretta G. **Recent Results Cancer Res** 1982;80:259–63

Efficacy of dacarbazine imidazole carboxamide and mitomycin C combination therapy in patients with adenocarcinoma of the colon refractory to 5-fluorouracil therapy. Conroy JF, et al. **Recent Results Cancer Res** 1981; 79:93–100

Current status of melanoma chemotherapy and immunotherapy. Czarnetzki BM, et al. **Recent Results Cancer Res** 1982;80:264–8

Operative and chemotherapeutic management of malignant glucagon-producing tumors. Prinz RA, et al. **Surgery** 1981 Oct;90(4):713–9

DTIC and actinomycin D with and without C. parvum immunotherapy in advanced malignant melanoma. Halpern J, et al. **Tumori** 1981 May-Jun;67(3):215–7

[Adjuvant chemotherapy in malignant melanoma after pretherapeutic sensitivity testing] Zaumseil RP, et al. **Folia Haematol (Leipz)** 1981;108(5):721–4 **(Ger)**

[Influence and importance of dacarbazine and BCG in sonography of the liver (author's transl)] Crone-Münzebrock W, et al. **Rontgenblatter** 1981 Aug; 34(8):317–20 (Eng. Abstr.) **(Ger)**

[Experience with adjuvant chemoimmunotherapy with DTIC and BCG in malignant melanoma (author's transl)] Pullmann H, et al. **Z Hautkr** 1982 Feb 15;57(4):294–7 **(Ger)**

[Effect of DTIC on the level of various blood components in melanoma] Pawlicki M, et al. **Nowotwory** 1981; 31(1):47–53 (Eng. Abstr.) **(Pol)**

TOXICITY

Selective toxicity of 5-(3,3-dimethyl-1-triazeno)imidazole-4-carboxamide toward hypoxic mammalian cells. Rauth AM, et al. **Cancer Res** 1981 Dec;41(12 Pt 1):4900–5

In vitro mutagenic activity of 5-(3,3-dimethyl-1-triazeno)-imidazole-4-carboxamide (DTIC) in eukaryotic and prokaryotic cells. Bartoli-Klugmann F, et al. **Carcinogenesis** 1982;3(5):467–71

Dacarbazine. **IARC Monogr Eval Carcinog Risk Chem Hum** 1981 May; 26:203–15

DACRON see **POLYETHYLENE TEREPHTHALATE**

DACRYOCYSTITIS

COMPLICATIONS

Primary dacryocystitis causing orbital cellulitis. Ahrens-Palumbo MJ, et al. **Ann Ophthalmol** 1982 Jun; 14(6):600–1

CONGENITAL

[The treatment of congenital obstructions of the lacrimal passages (author's transl)] Fiore C, et al. **Pediatr Med Chir** 1981 Sep-Oct;3(5):415–7 (Eng. Abstr.) **(Ita)**

DRUG THERAPY

[Results of treatment of congenital dacryocystitis in children by retrograde catheterization] Agaeva NKh, et al. **Vestn Otorinolaringol** 1981 Nov-Dec;(6):39-41 (Eng. Abstr.) **(Rus)**

PARASITOLOGY

Acute suppurative dacryoadenitis caused by a cysticercus cellulosa. Sen DK. **J Pediatr Ophthalmol Strabismus** 1982 Mar-Apr;19(2):100-2

PATHOLOGY

[The fine structure of the oncocytes of the lacrimal sac (author's transl)] Radnót M. **Klin Monatsbl Augenheilkd** 1981 Oct;179(4):249-50 (Eng. Abstr.) **(Ger)**

SURGERY

Fibroma of the orbital wall after dacryocystectomy: case report. Tricoulis D, et al. **Ann Ophthalmol** 1981 Oct; 13(10):1167-8

Twenty years experience with intranasal transseptal dacryocystorhinostomy. Berryhill BH, et al. **Laryngoscope** 1982 Apr;92(4):379-81

VETERINARY

Diagnosis of sialodacryoadenitis virus infection of rats in a virulent enzootic outbreak. Carthew P, et al. **Lab Anim** 1981 Oct;15(4):339-42

DACTINOMYCIN

Pregnancy following combination chemotherapy for a mixed germ cell tumor of the ovary. Schwartz PE, et al. **Gynecol Oncol** 1981 Dec;12(3):373-8

The structure of a pseudo intercalated complex between actinomycin and the DNA binding sequence d(GpC). Takusagawa F, et al. **Nature** 1982 Apr 1;296(5856):466-9

Interaction of actinomycin D, ethidium, quinacrine, daunorubicin, and tetralysine with DNA: 31P NMR chemical shift and relaxation investigation. Wilson WD, et al. **Nucleic Acids Res** 1982 Feb 25;10(4):1399-410

Equilibrium binding of carcinogens and antitumor antibiotics to DNA: site selectivity, cooperativity, allosterism. Winkle SA, et al. **Nucleic Acids Res** 1981 Jul 10;9(13):3175-86

Mutual interaction between adjacent dG . dC actinomycin binding sites and dA . dT netropsin binding sites on the self-complementary d(C-G-C-G-A-A-T-T-C-G-C-G) duplex in solution. Patel DJ, et al. **Proc Natl Acad Sci USA** 1981 Dec;78(12):7281-4

[Determination of the number of GC-pairs 'recognized' by actinomycin D during binding with DNA] Mikhailov MV, et al. **Biofizika** 1982 Jan-Feb;27(1):14-6 (Eng. Abstr.) **(Rus)**

ADMINISTRATION & DOSAGE

Enhanced uptake of actinomycin D in the dog kidney by simultaneous injection of degradable starch microspheres into the renal artery. Tuma RF, et al. **Cancer** 1982 Jul 1; 50(1):1-5

Clinical trial of chlorozotocin, DTIC, and dactinomycin in metastatic malignant melanoma. Samson MK, et al. **Cancer Treat Rep** 1982 Feb;66(2):371-3

Hyperthermic regional perfusion with melphalan and a combination of melphalan and actinomycin D in the treatment of locally metastasized malignant melanomas of the extremities. Martijn H, et al. **J Surg Oncol** 1982 May; 20(1):9-13

Prevention of intravascular metastases of B16 murine melanoma: adjuvant chemotherapy with actinomycin D. Richie JP. **J Surg Oncol** 1982 Jul;20(3):145-50

ADVERSE EFFECTS

Comparative toxicity of chemotherapy following partial hepatectomy. Grosfeld JL, et al. **J Pediatr Surg** 1981 Dec; 16(6):950-4

[Folliculitis induced by actinomycin D] Henkes J, et al. **Actas Dermosifiliogr** 1981 Sep-Oct;72(9-10):469-72 (Eng. Abstr.) **(Spa)**

ANALOGS & DERIVATIVES

High-resolution proton nuclear magnetic resonance analysis of conformational properties of biosynthetic actinomycin analogues. Mirau PA, et al. **Biochemistry** 1982 May 25; 21(11):2622-6

Role of actinomycin pentapeptides in actinomycin-deoxyribonucleic acid binding and kinetics. Mirau PA, et al. **Biochemistry** 1982 May 25;21(11):2626-31

Bis-actinomycin D: a new synthetic sequence-specific ligand. Mikhailov MV, et al. **FEBS Lett** 1981 Dec 21;136(1):53-7

N2- and C-7 substituted actinomycin D analogues: synthesis, DNA-binding affinity, and biochemical and biological properties. Structure-activity relationship. Sengupta SK, et al. **J Med Chem** 1981 Sep;24(9):1052-9

[Actinomycin D derivatives that recognize 2 DNA GC pairs: bis-actinomycin D] Mikhailov MV, et al. **Dokl Akad Nauk SSSR** 1981;260(1):239-44 **(Rus)**

ANTAGONISTS & INHIBITORS

[Relation of mammalian cell resistance to actinomycin D with a change in the karyotype and a decrease in cytoplasmic membrane permeability] Massino IuS, et al. **Genetika (Moskva)** 1981;17(7):1253-8 (Eng. Abstr.) **(Rus)**

BIOSYNTHESIS

Control of actinomycin D biosynthesis in Streptomyces parvullus: regulation of tryptophan oxygenase activity. Foster JW, et al. **J Bacteriol** 1981 Nov;148(2):670-7

BLOOD

Development of an antibody to actinomycin D and its application for the detection of serum levels by radioimmunoassay. Brothman AR, et al. **Cancer Res** 1982 Mar;42(3):1184-7

PHARMACODYNAMICS

The influence of inhibitors of RNA and protein synthesis on dexamethasone action in carrageenin paw edema and adjuvant arthritis of rats. Hirschelmann R, et al. **Agents Actions [Suppl]** 1982;10:233-40

Transplasmalemma NADH dehydrogenase is inhibited by actinomycin D. Sun IL, et al. **Biochem Biophys Res Commun** 1981 Jul 16;101(1):68-75

A kinetic study on the mechanism of inhibition of RNA synthesis catalyzed by DNA-dependent RNA polymerase. Differences in inhibition by ethidium bromide, 3,8-diamino-6-ethylphenanthridinium bromide and actinomycin d. Aktipis S, et al. **Biochim Biophys Acta** 1981 Oct 27;655(3):278-90

DNA double-stranded breaks in mammalian cells after exposure to intercalating agents. Ross WE, et al. **Biochim Biophys Acta** 1981 Jun 26;654(1):129-34

The effect of inhibition of RNA synthesis by actinomycin D on the population of basic polypeptides of the 30S unclear ribonucleoprotein particles. Upreti RK, et al. **Biochimie** 1982 Apr;64(4):247-54

Stability of polyadenylated mRNA in pig lymphocytes. Wallace DM, et al. **Biosci Rep** 1981 Jul;1(7):539-45

Normal and Friend virus specific cell compartments in Friend leukemia characterized by their sensitivity to actinomycin D in vivo. Seidel HJ, et al. **Blut** 1981 Nov;43(5):287-96

Alteration of acetylcholine receptor and acetylcholinesterase metabolism by actinomycin D in cultured muscle cells. Weidoff PM Jr, et al. **Can J Physiol Pharmacol** 1981 Jun; 59(6):580-5

High-resolution bands in human fibroblast chromosomes induced by actinomycin D. Yu RL, et al. **Cytogenet Cell Genet** 1981;31(2):111-4

Effects of cholera toxin and actinomycin on synthesis of [35s]methionine-labeled proteins during progesterone-induced maturation of Xenopus laevis oocytes. YoungLai EV, et al. **Dev Biol** 1982 May; 91(1):36-42

The effects of actinomycin D on spermatogenesis in the toad. Biswas NM, et al. **Endokrinologie** 1981 Mar;77(3):360-2

Restitution of chromatid and isochromatid breaks induced in the G2 phase by actinomycin D. Cherry LM, et al. **Environ Mutagen** 1982;4(3):259-65

Patterns of silver staining on NORs of prematurely condensed muntjac chromosomes following RNA inhibition. Raman R, et al. **Exp Cell Res** 1981 Oct; 135(2):373-8

Dissociation of separate mechanisms of estrogen action by actinomycin D. Tchernitchin AN, et al. **Experientia** 1982 Apr 15;38(4):511-3

Mechanism of natural resistance to vincristine in rat ascites hepatoma AH66. Inaba M, et al. **Gan** 1981 Aug;72(4):562-8

Activation of an endogenous mouse type C virus by UV-irradiated murine cytomegalovirus. Sergiescu D. **Int J Cancer** 1982 Apr 15;29(4):459-64

Modification of the radiation response of mouse lung by actinomycin D: dependence on interval between radiation and drug treatments. Colman M, et al. **Int J Radiat Oncol Biol Phys** 1982 Mar-Apr;8(3-4):511-2

Effects of methotrexate on ribonucleotide pools in growing and in growth-arrested tumor cells and antagonism by RNA synthesis inhibitors. Kaminskas E. **J Biol Chem** 1982 Apr 25;257(8):4279-84

Effects of cycloheximide and actinomycin D on the amino acid transport system of Tetrahymena. Blum JJ. **J Cell Physiol** 1982 Apr;111(1):104-10

The quantitative relationship of the fibrillar centres and other nucleolar components to changes in growth conditions, serum deprivation and low doses of actinomycin D in cultured diploid human fibroblasts (strain MRC-5). Jordan EG, et al. **J Cell Sci** 1981 Dec;52:373-89

Effects of glucocorticoids and disodium cromoglycate on avidin production in chick tissues. Nordback I, et al. **J Endocrinol** 1982 Feb;92(2):283-91

In vitro effects of inhibitors on ingestion and digestion of hemoglobin by Schistosoma mansoni schistosomules. Bogitsh BJ. **J Parasitol** 1981 Dec;67(6):875-80

Effect of hypothyroid status on adenosine 3',5'-monophosphate-dependent protein kinase of rat kidney. Hagino Y, et al. **Jpn J Pharmacol** 1981 Apr; 31(2):185-92

Ultrastructural changes in immature chick oviduct epithelium during avidin induction by actinomycin D. Nordback I. **Med Biol** 1981 Aug;59(4):247-52

Oestrogen-induced increase in uterine cGMP content in vitro: effects of inhibitors of protein and RNA synthesis. Flandroy L, et al. **Mol Cell Endocrinol** 1982 Jan;25(1):49-54

The effect of hyperthermia alone or in combination with actinomycin D on the RNA metabolism of solid tumors in children. Willnow U. **Neoplasma** 1981;28(6):721-7

Studies on corneal endothelial growth and repair. III. Effects of DNA and RNA synthesis inhibitors upon restoration of transparency following injury. Gordon SR, et al. **Ophthalmic Res** 1982;14(3):195-209

Effects of cycloheximide, puromycin and actinomycin D on the spontaneous motility of isolated rat uterus. Bonacossa A, et al. **Pharmacol Res Commun** 1982 May;14(5):455-67

Studies on developmental biology of embryogenesis in higher plants--effect of actinomycin D and cycloheximide on the formation of peroxidase during rice and embryogenesis and germination. Zhu ZP, et al. **Sci Sin** 1981 Dec;24(12):1732-6

Effects of ultraviolet light (2535 A) and dactinomycin upon hydra (Pelmatohydra oligactis). Znidarić D, et al. **Z Mikrosk Anat Forsch** 1981;95(5):865-75

[The effects of cytostatic agents - methotrexate, actinomycin-D and cyclophosphamide - on in vitro metabolism of human placenta from early pregnancy (author's transl)] Nagy P, et al. **Z Geburtshilfe Perinatol** 1982 Apr-May;186(2):101-3 (Eng. Abstr.) **(Ger)**

[Effect of iron, actinomycin D and cycloheximide on the GTP-cyclohydrolase synthesis in flavinogenic yeasts] Logvinenko EM, et al. **Biokhimiia** 1982 Jan;47(1):28-31 (Eng. Abstr.) **(Rus)**

[Effect of actinomycin D and puromycin on the electrophysiological properties of the membranes of denervated frog phasic muscle fibers] Volkov EM, et al. **Fiziol Zh SSSR** 1982 Mar;68(3):372-8 (Eng. Abstr.) **(Rus)**

[Effect of cycloheximide and actinomycin D on the makeup of Blakeslea trispora cell walls] Tereshina VM, et al. **Mikrobiologiia** 1981 May-Jun;50(3):442-5 **(Rus)**

[Effect of actinomycin D on hematopoietic stem cells] Domaratskaia EI, et al. **Ontogenez** 1981;12(1):66-71 (Eng. Abstr.) **(Rus)**

[Postradiation DNA repair in mammalian cells in combined exposure to hyperthermia, 8-bromocaffeine and actinomycin D] Rezvaia SP, et al. **Radiobiologiia** 1981 May-Jun;21(3):326-9 (Eng. Abstr.) **(Rus)**

[Fibrillar centers in the nucleoli of a PEK cell culture after administration of actinomycin D] Chelidze PV. **Tsitologiia** 1982 Feb;24(2):137-43 (Eng. Abstr.) **(Rus)**

[Effect of actinomycin D on the formation of the photoreceptor ultrastructure of the retina in the chick embryo] Dzhanelidze KhN, et al. **Tsitologiia** 1981 Dec; 23(12):1368-72 (Eng. Abstr.) **(Rus)**

[Action of actinomycin D on Euglena gracilis ultrastructure] Volodin AV, et al. **Tsitologiia** 1982 Feb;24(2):155-60 (Eng. Abstr.) **(Rus)**

[Alpha-tocopherol and actinomycin D regulation of ubiquinone and protein biosynthesis in rat liver in E-hypovitaminosis] Donchenko GV, et al. **Ukr Biokhim Zh** 1981 Sep-Oct;53(5):69-72 (Eng. Abstr.) **(Rus)**

[Effect of vitamin E and actinomycin D on biosynthesis of the isoprenoid part of ubiquinone molecule] Palivoda OM, et al. **Vopr Med Khim** 1982 Jan-Feb;28(1):53-5 **(Rus)**

THERAPEUTIC USE

Intrathoracic soft tissue sarcomas in children. Crist WM, et al. **Cancer** 1982 Aug 1;50(3):598-604

Actinomycin-D plus 5-(3,3-dimethyl-1-triazeno)-imidazole-4-carboxamine (DTIC) with or without intravenous Corynebacterium parvum in metastatic malignant melanoma. Robidoux A, et al. **Cancer** 1982 Jun 1;49(11):2246-51

Metastatic pancreatic vipoma: a case report of clinical response following treatment with corticosteroids and actinomycin D. Fennelly JJ, et al. **Clin Oncol** 1982 Jun; 8(2):167-70

Effect of actinomycin D and cycloheximide on experimental myocardial infarction in rats. Leprán I, et al. **Eur J Pharmacol** 1982 Jan 22;77(2-3):197-9

Development of cardiac hypertrophy in rats exposed to acute hypobaric hypoxia. - Studies with protein synthesis inhibitors. Genovese A, et al. **Exp Pathol** 1981;20(4):239-42

DTIC and actinomycin D with and without C. parvum immunotherapy in advanced malignant melanoma. Halpern J, et al. **Tumori** 1981 May-Jun;67(3):215-7

[Improved prognosis in Wilms' tumor due to adjuvant combination drug therapy] Haas RJ, et al. **Onkologie** 1982 Apr;5(2):60-6 (Eng. Abstr.) **(Ger)**

DACTYLOLYSIS SPONTANEA see **AINHUM**

DAIRY PRODUCTS

Inexpensive treatment of frozen dairy products for membrane filtration. Peterkin PI, et al. **Appl Environ Microbiol** 1982 Feb;43(2):486-7

Excretion rates of antibiotics in milk of sheep and their effect on yogurt production. Anifantakis EM. **J Dairy Sci** 1982 Mar;65(3):426-9

Lactate acid inhibition of Salmonella typhimurium in yogurt. Rubin HE, et al. **J Dairy Sci** 1982 Feb;65(2):197-203

Effects on Ca and P metabolism in humans by adding meat,

meat plus mild, or purified proteins plus Ca and P to a low protein diet. Schuette SA, et al. **J Nutr** 1982 Feb; 112(2):338–49

The effect of fermentation on the biological value of milk proteins evaluated using rats. A study on Swedish fermented milk products. Alm L. **J Sci Food Agric** 1981 Dec;32(12):1247–53

Simple steps to mimimize chance of traveler's diarrhea [letter] Henderson R. **JOM** 1982 Mar;24(3):184

Detoxification of aflatoxin B1 by acidogenous yoghurt. Megalla SE, et al. **Mycopathologia** 1982 Feb 19;77(2):89–91

The role of dairy products in the New Zealand diet. Birkbeck JA. **NZ Med J** 1981 Nov 25;94(696):386–7

Distribution of the different Staphylococcus species according to their meat or dairy origin. Delarras C, et al. **Zentralbl Bakteriol Mikrobiol Hyg [B]** 1981 Sep; 173(6):471–7

[Occurrence of various types of Enterobacteriaceae in selected milk products] Maciejska-Roczan K, et al. **Rocz Panstw Zakl Hig** 1981;32(2):107–12 (Eng. Abstr.) **(Pol)**

[Biological value and storage stability of cultured milk products intended for cosmonaut nutrition] Radaeva IA, et al. **Kosm Biol Aviakosm Med** 1982 Mar–Apr;16(2):23–6 (Eng. Abstr.) **(Rus)**

ADVERSE EFFECTS

Communicable disease associated with milk and dairy products in England and Wales 1951–80. Galbraith NS, et al. **Br Med J [Clin Res]** 1982 Jun 12;284(6331):1761–5

ANALYSIS

Estimation of lactose hydrolysis by freezing point measurements in milk and whey substrates treated with lactases from various microorganisms. Chen SL, et al. **J Assoc Off Anal Chem** 1981 Nov;64(6):1414–9

Rapid determination of aflatoxin M1 in dairy products by reversed-phase high-performance liquid chromatography. Fremy JM, et al. **J Chromatogr** 1981 Nov 27;219(1):156–61

Use of the Limulus test to determine the hygienic status of milk products as characterized by levels of gram-negative bacterial lipopolysaccharide present. Hansen K, et al. **J Dairy Res** 1982 May;49(2):323–8

Effect of fermentation on lactose, glucose, and galactose content in milk and suitability of fermented milk products for lactose intolerant individuals. Alm L. **J Dairy Sci** 1982 Mar;65(3):346–52

Antitumor component(s) of yogurt: fractionation. Ayebo AD, et al. **J Dairy Sci** 1981 Dec;64(12):2318–23

Aflatoxin M1 in manufactured dairy products produced in the United States in 1979. Stoloff L, et al. **J Dairy Sci** 1981 Dec;64(12):2426–30

Crufomate residues in milk and milk products following treatment of dairy cows for warble-fly. O'Keeffe M, et al. **J Sci Food Agric** 1982 Apr;33(4):355–60

[Specialized acidophilus products in the nutrition of athletes] Brents MIa, et al. **Vopr Pitan** 1982 Mar–Apr;(2):18–21 (Eng. Abstr.) **(Rus)**

[Physicochemical fat indices and the fatty acid composition of the lipids in mare's milk and shubath (sour camel's milk)] Orlov VK, et al. **Vopr Pitan** 1982 Mar–Apr;(2):59–61 (Eng. Abstr.) **(Rus)**

[Effect of different methods of preserving and storing dairy products on the available lysine content] Usacheva NT, et al. **Vopr Pitan** 1982 Jan–Feb;(1):74–5 **(Rus)**

DAIRYING

Historical perspective on the development of dairy practice. Goodger WJ, et al. **J Am Vet Med Assoc** 1982 Jun 1; 180(11):1294–7

Reviews of the progress of dairy science: secretion of citrate into milk. Faulkner A, et al. **J Dairy Res** 1982 Feb; 49(1):159–69 (82 ref.)

75 years of dedication and progress: American Dairy Science Association. **J Dairy Sci** 1981 Jun;64(6):875–1526

The American Dairy Science Association: the third twenty-five years, 1957—1981. Trout GM. **J Dairy Sci** 1981 Jun;64(6):876–99

Toxicology and the dairy industry: will problems outrun solutions? Willett LB, et al. **J Dairy Sci** 1981 Jun; 64(6):1483–93

Symposium on herd health management – dairy cow. **Vet Clin North Am [Large Anim Pract]** 1981 Nov; 3(2):251–471

Preventive medicine for some economically important bovine virus diseases. Heuschele WP. **Vet Clin North Am [Large Anim Pract]** 1981 Nov; 3(2):403–15

Mastitis in dairy cows. Jarrett JA. **Vet Clin North Am [Large Anim Pract]** 1981 Nov; 3(2):447–54

Management of herd health programs in midwestern dairies. Johnson DE. **Vet Clin North Am [Large Anim Pract]** 1981 Nov;3(2):253–70

Management of calf herd programs. LeBlanc MM. **Vet Clin North Am [Large Anim Pract]** 1981 Nov; 3(2):435–45

Assistance programs in nutrition management for diary farms. Lesch T, et al. **Vet Clin North Am [Large Anim Pract]** 1981 Nov;3(2):307–26

Management problems of large dairies. Smalley SA. **Vet Clin North Am [Large Anim Pract]** 1981 Nov; 3(2):289–305

Effective use of the diagnostic laboratory in dairy practice. Veit HP. **Vet Clin North Am [Large Anim Pract]** 1981 Nov; 3(2):375–401

The use of records in reproductive health and management programs for diary herds. Williamson NB. **Vet Clin North Am [Large Anim Pract]** 1981 Nov; 3(2):271–87

[Milking and milk production in sedentary village herds in the north of the Ivory Coast] Godet G, et al. **Rev Elev Med Vet Pays Trop** 1981;34(1):63–71 (Eng. Abstr.) **(Fre)**

[Some problems of milk production and milk processing in the Democratic Republic of Sudan] Osman AM, et al. **Beitr Trop Landwirtsch Veterinarmed** 1980;18(1):77–85 (Eng. Abstr.) **(Ger)**

[Stress in industrialized animal production – illustrated with studies of milking-carrousels and milk-production systems] Jürgens WW, et al. **Z Gesamte Hyg** 1981 Nov;27(11):818–24 (Eng. Abstr.) **(Ger)**

[Working conditions in dairies and on mechanized dairy farms] Kul'bakh LKh. **Gig Sanit** 1982;(1):83–4 **(Rus)**

ECONOMICS

Projecting health cost from research herds. Shanks RD, et al. **J Dairy Sci** 1982 Apr;65(4):644–52

The economics of herd health programs. MacKay RD. **Vet Clin North Am [Large Anim Pract]** 1981 Nov; 3(2):347–74

INSTRUMENTATION

Effects of vacuum and pulsation ratio on udder health. Mahle DE, et al. **J Dairy Sci** 1982 Jul;65(7):1252–7

New technics for mastitis research & control: rubber surfaces. Heckmann R, et al. **Mod Vet Pract** 1981 May;62(5):375–80

Milk gases, mastitis and milking machines. Noorlander DO, et al. **Mod Vet Pract** 1981 Aug;62(8):590–4

[Detection and identification of accelerators and antioxidants in rubber products used in contact with milk] Malcher E, et al. **Rocz Panstw Zakl Hig** 1981;32(3):259–66 (Eng. Abstr.) **(Pol)**

[Physiological and hygiene aspects of the work activities of the machine milking operators on cattle-raising farms] Akhundov VIu, et al. **Gig Tr Prof Zabol** 1982 May;(5):22–4 (Eng. Abstr.) **(Rus)**

METHODS

Milking vacuum influencing indicators of udder health. Langlois BE, et al. **J Dairy Sci** 1981 Sep;64(9):1837–42

Effect of overmilking on udder health. Natzke RP, et al. **J Dairy Sci** 1982 Jan;65(1):117–25

Effect of duration of teat cup liner closure per pulsation cycle on bovine mastitis. Reitsma SY, et al. **J Dairy Sci** 1981 Nov;64(11):2240–5

Surgical preconditioning of potentially high-producing dairy heifers. Noordsy JL. **VM SAC** 1981 Dec;76(12):1778–9

DANAZOL see under **PREGNADIENES**

DANCING

Creative thinking and dance/movement skills of hearing-impaired youth: an experimental study. Reber R, et al. **Am Ann Deaf** 1981 Dec;126(9):1004–9

Loss of patellar and Achilles tendon reflexes in classical ballet dancers [letter] Goode DJ, et al. **Arch Neurol** 1982 May; 39(5):323

Body weight, exercise and menstrual status among ballet dancers in training. Abraham SF, et al. **Br J Obstet Gynaecol** 1982 Jul;89(7):507–10

A survey of roller discotheque injuries. Dowey KE. **Br J Sports Med** 1982 Jun;16(2):85–8

Breast disease associated with tassel dancing. Collins RE. **Br Med J [Clin Res]** 1981 Dec 19;283(6307):1660

Injuries incurred at 'roller discos'. Wilkinson AJ. **Br Med J [Clin Res]** 1982 Apr 17;284(6323):1163

Shin pain in a ballet dancer. Round MJ, et al. **IMJ** 1982 Feb;161(2):109–11

Flexor hallucis tendinitis in a ballet dancer. A case report. Garth WP Jr. **J Bone Joint Surg [Am]** 1981 Dec; 63-A(9):1489

The effects of aerobic dance conditioning on the body composition and maximal oxygen uptake of college women. Vaccaro P, et al. **J Sports Med Phys Fitness** 1981 Sep; 21(3):291–4

Cardiorespiratory responses to ballet exercise and the VO2max of elite ballet dancers. Cohen JL, et al. **Med Sci Sports Exerc** 1982;14(3):212–7

Energy cost of disco dancing. Léger LA. **Res Q Exerc Sport** 1982 Mar;53(1):46–9

[Influence of the disco-scene on the psyche and soma of young people: psychometric, computerized-EEG and physiological studies (author's transl)] Saletu B, et al. **Wien Med Wochenschr** 1982 Mar 31;132(6):137–43 (Eng. Abstr.) **(Ger)**

DANDY-WALKER SYNDROME see under **HYDROCEPHALUS**

DANE PARTICLE see **HEPATITIS B VIRUS**

DANGEROUS BEHAVIOR see under **VIOLENCE**

DANITRACEN see under **PIPERIDINES**

DANSYL COMPOUNDS

Dansylation of amino acids for high-performance liquid chromatography analysis. Tapuhi Y, et al. **Anal Biochem** 1981 Jul 15;115(1):123–9

5-(dimethylamino)naphthalene-1-sulfonic acid, a fluorescent probe of the medium chain fatty acid binding site of serum albumin. Doody MC, et al. **Biochemistry** 1982 Jan 5; 21(1):28–33

Time-resolved emission spectroscopy of the dansyl fluorescence probe. Ghiggino KP, et al. **Biochemistry** 1981 Sep 15;20(19):5381–9

Preparation of a fluorescent derivative of cytochrome b5 and its interaction with phospholipids. Gilmore R, et al. **Biochemistry** 1982 Mar 30;21(7):1673–80

Conformational studies of dansylated enkephalins by fluorescence transfer measurements, proton nuclear magnetic resonance spectroscopy, and theoretical calculations. Guyon-Gruaz A, et al. **Biochemistry** 1981 Nov 10;20(23):6677–83

Cycloheptaamylose-dansyl chloride complex as a fluorescent label of surface membranes in living ciliates. Wyroba E, et al. **Histochemistry** 1981 Dec;73(3):459–67

ANALYSIS

Separation and identification of dansylated human serum and urinary amino acids by two-dimensional thin-layer chromatography. Application to aminoacidopathies. Biou D, et al. **J Chromatogr** 1981 Dec 11;226(2):477–83

[Microchromatographic analysis of DNS-amino acids with a sensitivity of 10(-13) mol] Belen'kii BG, et al. **Dokl Akad Nauk SSSR** 1982;263(4):1013–6 **(Rus)**

CHEMICAL SYNTHESIS

Interaction of alpha-dansylated peptide inhibitors with porcine pepsin: detection of complex formation by fluorescence energy transfer and chromatography and evidence for a two-step binding scheme. Dunn BM, et al. **Biochemistry** 1981 Dec 8;20(25):7206–11

IMMUNOLOGY

Hapten-induced changes in pig anti-dansyl antibodies revealed by EPR spectra of spin-labelled antibodies. Käiväräinen AI, et al. **Immunol Lett** 1981 Apr;3(1):5–11

METABOLISM

The two-step interaction between alpha-dimethylaminonaphthalene-1-sulfonyl-pepsinogen(1 and pepsin. Dunn BM. **Arch Biochem Biophys** 1982 Apr 1;214(2):763–71

Dansyl chloride labeling of Pseudomonas aeruginosa treated with pyocin R1: change in permeability of the cell envelope. Uratani Y. **J Bacteriol** 1982 Feb;149(2):523–8

PHARMACODYNAMICS

The effect of occlusive treatment on human skin: an electron microscopic study on epidermal morphology as affected by occlusion and dansyl chloride. Lindberg M, et al. **Acta Derm Venereol (Stockh)** 1982;62(1):1–5

DANTROLENE

ADMINISTRATION & DOSAGE

Malignant hyperthermia syndrome. Waterman PM. **Am J Ophthalmol** 1981 Oct;92(4):461–5

Dantrolene and malignant hyperthermia [letter] Dolan PF. **Anesthesiology** 1982 Sep;57(3):246–7

ANALOGS & DERIVATIVES

Simultaneous determination of dantrolene and its metabolite, 5-hydroxydantrolene, in human plasma by high-performance liquid chromatography. Katogi Y, et al. **J Chromatogr** 1982 Mar 12;228:404–8

BLOOD

Simultaneous determination of dantrolene and its metabolite, 5-hydroxydantrolene, in human plasma by high-performance liquid chromatography. Katogi Y, et al. **J Chromatogr** 1982 Mar 12;228:404–8

METABOLISM

In vitro binding of dantrolene to sarcoplasmic reticulum of rabbit skeletal muscle. Dehpour AR, et al. **Biochem Pharmacol** 1982 Mar 15;31(6):965–8

PHARMACODYNAMICS

Effects of dantrolene sodium on gabaergic activity in spinal cord, corpus striatum, substantia nigra and cerebral cortex in rat. Patti F, et al. **Acta Neurol (Napoli)** 1981 Apr; 36(2):384–8

Effects of dantrolene and D2O on K+-stimulated respiration of skeletal muscle. Erlij D, et al. **Am J Physiol** 1982 Jul;

243(1):C87–95
Selective inhibition of glucose-stimulated insulin release by dantrolene. Janjic D, et al. **Am J Physiol** 1982 Jul; 243(1):E59–67
Effect of dantrolene sodium on the mechanical and electrical properties of guinea-pig ventricular myocardium. Mészáros J, et al. **Arch Int Pharmacodyn Ther** 1982 Feb;255(2):256–68
The action of dantrolene sodium on rat fast and slow muscle in vivo. Leslie GC, et al. **Br J Pharmacol** 1981 Apr; 72(4):665–72
Effect of dantrolene sodium on the transmembrane potentials and contractility of guinea pig atrial myocardium. Mészáros J, et al. **Eur J Pharmacol** 1981 Sep 11;74(2–3):181–8
Dantrolene and the effect of temperature on the spontaneous release of transmitter at the frog neuromuscular junction. Publicover SJ, et al. **Experientia** 1981;37(8):859–60
Effects of dantrolene sodium on the electrophysiological properties of canine cardiac Purkinje fibers. Salata JJ, et al. **J Pharmacol Exp Ther** 1982 Jan;220(1):157–66
The effect of dantrolene sodium on intrafusal muscle fibres in the rat soleus muscle. Leslie GC, et al. **J Physiol (Lond)** 1981 Sep;318:73–83

SUPPLY & DISTRIBUTION

Another view on central warehousing of dantrolene [letter] Britt BA. **Am J Hosp Pharm** 1981 Apr;38(4):464, 467

THERAPEUTIC USE

Malignant hyperthermia: current perspectives. Felice-Johnson J, et al. **Am J Hosp Pharm** 1981 May; 38(5):646–51
Treatment of neuroleptic malignant syndrome with dantrolene sodium: a case report. Coons DJ, et al. **Am J Psychiatry** 1982 Jul;139(7):944–5
ECT use for a patient with malignant hyperthermia. Franks RD, et al. **Am J Psychiatry** 1982 Aug;139(8):1065–6
Dantrolene in human malignant hyperthermia. Kolb ME, et al. **Anesthesiology** 1982 Apr;56(4):254–62
Dantrolene treatment of malignant hyperthermia [letter] Bagshaw RJ, et al. **J Am Vet Med Assoc** 1981 May 15; 178(10):1129
Malignant hyperthermia: description and case report. Gohil P, et al. **J Foot Surg** 1982 Spring;21(1):7–11
Re: present urological treatment of spinal cord injury patients [letter] Dahlin PA. **J Urol** 1982 Jul;128(1):153–4
Beneficial effects of dantrolene sodium in exercise-induced muscle pains: calcium mediated? [letter] Bertorini T, et al. **Lancet** 1982 Mar 13;1(8272):616–7
Treatment of neuroleptic malignant syndrome with dantrolene [letter] Daoudai P, et al. **Lancet** 1982 Jul 24; 2(8291):217
Treatment of neuroleptic malignant syndrome with dantrolene [letter] Goekoop JG, et al. **Lancet** 1982 Jul 3; 2(8288):49–50
Dantrolene sodium in the treatment of malignant hyperthermia. A case report. Harrison GG. **S Afr Med J** 1981 Dec 5;60(23):909–10
[Sodium dantrolene in the treatment of malignant hyperthermia] Ording HO. **Ugeskr Laeger** 1981 Sep 14; 143(38):2423–4 (Eng. Abstr.) **(Dan)**
[Recently registered drugs in Belgium] Harvengt C. **Acta Clin Belg** 1981;36(1):53–5 **(Fre)**
[Malignant hyperthermia induced by neuroleptics. Rapid cure with dantrolene (letter)] Boles JM, et al. **Nouv Presse Med** 1982 Feb 27;11(9):674 **(Fre)**
[Therapy of neuroleptic malignant syndrome with dantrolene] Delacour JL, et al. **Nouv Presse Med** 1981 Nov 28;10(43):3572–3 **(Fre)**
[Neuroleptic malignant syndrome. Beneficial effects of dantrolene on hyperthermia and hypertonia (author's transl)] de Rohan Chabot P, et al. **Nouv Presse Med** 1982 Mar 27;11(14):1067–9 (Eng. Abstr.) **(Fre)**
[Reflections on the malignant neuroleptic (letter)] Pera J, et al. **Nouv Presse Med** 1982 Jun 19;11(29):2230 **(Fre)**
[Transient normalisation of CK blood levels in patients susceptible to malignant hyperthermia by oral administration of dantrolene (author's transl)] Bernhardt D. **Anaesthesist** 1982 May;31(5):252–4 (Eng. Abstr.) **(Ger)**
[Dantrolene and malignant hyperthermia] Grote B. **Anaesthesist** 1982 May;31(5):211–2 **(Ger)**
[Anaesthesia in a patient susceptible to malignant hyperthermia (author's transl)] Schuh FT, et al. **Anaesthesist** 1982 May;31(5):245–7 (Eng. Abstr.) **(Ger)**
[Successful treatment of malignant hyperthermia with dantrolene-sodium and uneventful re-anaesthesia after oral dantrolene-prophylaxis (author's transl)] Schulte-Sasse U, et al. **Anaesthesist** 1982 May;31(5):241–4 **(Ger)**

DAPHNIA

DRUG EFFECTS

Acute toxicity of cadmium, zinc, and cadmium-zinc mixtures to Daphnia magna. Attar EN, et al. **Arch Environ Contam Toxicol** 1982;11(3):291–6
Filtration and phototactic behavior as indices of chronic copper stress in Daphnia magna straus. Flickinger AL, et al. **Arch Environ Contam Toxicol** 1982;11(4):457–63
Effects of naphthalene on the hemoglobin concentration and oxygen uptake of Daphnia magna. Crider JY, et al. **Bull Environ Contam Toxicol** 1982 Jan;28(1):52–7
Oxygen consumption and filtering rate of Daphnia pulex after exposure to water-soluble fractions of naphthalene, phenanthrene, No. 2 fuel oil, and coal-tar creosote. Geiger JG, et al. **Bull Environ Contam Toxicol** 1981 Dec; 27(6):783–9
Use of an electronic particle counter to determine the number of young Daphnia magna in ecotoxicological reproduction tests. Müller HG. **Bull Environ Contam Toxicol** 1981 Oct; 27(4):440–1
Sensitivity of Daphnia magna Straus against eight chemotherapeutic agents and two dyes. Müller HG. **Bull Environ Contam Toxicol** 1982 Jan;28(1):1–2
[Interest of some biological criteria in studying daphnids contaminated by cadmium nitrate (author's transl)] Férard JF, et al. **Toxicol Eur Res** 1982 Mar;4(2):83–7 (Eng. Abstr.) **(Fre)**
[Toxicity of water pollutants estimated by measurement of the locomotor activity of Daphnia magna] Rybak M. **Rocz Panstw Zakl Hig** 1981;32(4):345–9 (Eng. Abstr.) **(Pol)**

GROWTH & DEVELOPMENT

Cellular interactions and pattern formation in the development of the visual system of Daphnia magna (Crustacea, Branchiopoda). II. Induced retardation of optic axon ingrowth results in a delay in laminar neuron differentiation. Macagno ER. **J Neurosci** 1981 Sep; 1(9):945–55

METABOLISM

Comparative study of the trophic transfer of two mercury compounds–HgCl2 and CH3HgCl–between Chlorella vulgaris an Daphnia magna. Influence of temperature. Boudou A, et al. **Bull Environ Contam Toxicol** 1981 Nov; 27(5):624–9

MICROBIOLOGY

Effects of red-headed in sawfly, Neodiprion lecontei, nuclear polyhedrosis virus on rainbow trout, Salmo gairdneri, and Daphnia pulex. Hicks BD, et al. **J Environ Sci Health [B]** 1981;F16(4):493–509

PHYSIOLOGY

Influence of a co-solvent (acetone) and ultrasonication on the acute toxicity of a quaternary amine (Aliquat 336) and an organophosphorus compound (HDEHP) to Daphnia magna. Berglind R, et al. **Bull Environ Contam Toxicol** 1981 Sep;27(3):316–25
Acute toxicity of an in situ shale oil process wastewater and its major components to Daphnia magna. Burnham LN, et al. **Bull Environ Contam Toxicol** 1981 Sep;27(3):338–43
Acute and chronic toxicities of boric acid to Daphnia magna Straus. Lewis MA, et al. **Bull Environ Contam Toxicol** 1981 Sep;27(3):309–15
[Daphnias as biological antagonists of NAG-vibrios] Avtsyn AP, et al. **Biull Eksp Biol Med** 1982 Jan;93(1):48–50 **(Rus)**

DAPSONE

In vitro dissolution of dapsone. Swarbrick J, et al. **J Pharm Pharmacol** 1981 Dec;33(12):787–9

ADMINISTRATION & DOSAGE

Rapid improvement of dermatitis herpetiformis after elemental diet. van der Meer JB, et al. **Arch Dermatol Res** 1981;271(4):455–9
Dapsone residues in milk and the organs of cows after intramammary and intrauterine administration. Ziv G, et al. **Br Vet J** 1981 Jul–Aug;137(4):388–97
Intramuscular injection of dapsone in therapy for leprosy: a new approach. Modderman ES, et al. **Int J Clin Pharmacol Ther Toxicol** 1982 Feb;20(2):51–6
Rifampin 1200 mg once monthly together with daily Lamprene and dapsone in treatment of refactory patients with lepromatous leprosy. Paul S, et al. **Int J Lepr** 1981 Sep;49(3):342–3
DDS 100 mg daily, the cornerstone in the management of reversal reaction [letter] van der Meulen J, et al. **Int J Lepr** 1981 Dec;49(4):457–9
Errors in prescribing dapsone [letter] Crook PR, et al. **Lancet** 1981 Oct 3;2(8249):760
Once-monthly rifampicin plus daily dapsone in initial treatment of lepromatous leprosy. Yawalkar SJ, et al. **Lancet** 1982 May 29;1(8283):1199–202
The self-administration of dapsone by leprosy patients in Ethiopia. Ellard GA, et al. **Lepr Rev** 1981 Sep;52(3):237–43
[Efficacy of a daily dosage of dapsone combined with a single dose of rifampicin. Clinical, bacteriological and histopathological evaluation] Le KD, et al. **Acta Leprol (Geneve)** 1981 Oct–Dec;85:75–82 **(Fre)**
[Long-term use of DDS by patients with Duhring's herpetiform dermatitis] Plechistova LA, et al. **Vestn Dermatol Venerol** 1981 Sep;(9):74–6 **(Rus)**

ADVERSE EFFECTS

Hemolytic anemia induced by dapsone transmitted through breast milk. Sanders SW, et al. **Ann Intern Med** 1982 Apr; 96(4):465–6
Dapsone in rheumatoid arthritis [letter] Kelly C, et al. **Ann Rheum Dis** 1981 Dec;40(6):630
Effects of clofazimine alone or combined with dapsone on neutrophil and lymphocyte functions in normal individuals and patients with lepromatous leprosy. van Rensburg CE, et al. **Antimicrob Agents Chemother** 1982 May;21(5):693–7
The dapsone syndrome. Kromann NP, et al. **Arch Dermatol** 1982 Jul;118(7):531–2
Dapsone induced hypohaptoglobinemia in lepromatous leprosy patients. Sritharan V, et al. **Int J Lepr** 1981 Sep; 49(3):307–10
Dapsone-induced methemoglobinemia and hemolysis in the presence of familial hemoglobinopathy Hasharon and familial methemoglobin reductase deficiency. Ganer A, et al. **Isr J Med Sci** 1981 Aug;17(8):703–4
Reactions to dapsone [letter] **Lancet** 1981 Sep 12;2(8246):585
Dapsone and fatal hypoalbuminaemia [letter] Foster PN, et al. **Lancet** 1981 Oct 10;2(8250):806–7
Dapsone and the retina [letter] Leonard JN, et al. **Lancet** 1982 Feb 20;1(8269):453
Fixed genital drug eruption due to dapsone. A case report. Sinha MR. **Lepr India** 1982 Jan;54(1):152–4
Dapsone-induced infectious mononucleosis-like syndrome. Gan TE, et al. **Med J Aust** 1982 Apr 17;1(8):350–1
Skin reactions to dapsone [letter] Ree GH, et al. **Papua New Guinea Med J** 1981 Mar;24(1):57–8
Haemoglobinuria after a single dose treatment with dapsone and pyrimethamine for falciparum malaria in a patient with glucose-6-phosphate dehydrogenase deficiency. Ponnampalam JT. **Trop Geogr Med** 1981 Dec;33(4):401–2

METABOLISM

Acetylator phenotyping: a comparison of the isoniazid and dapsone tests. Hanson A, et al. **Eur J Clin Pharmacol** 1981; 20(3):233–4
Non-linear pharmacokinetic behaviour of dapsone in the rabbit. Ahmad RA, et al. **J Pharm Pharmacol** 1981 Aug; 33(8):547–8
Disposition of dapsone in protein deficiency--an experimental study in mice. Venkatesan K, et al. **Lepr India** 1982 Jan;54(1):95–9
[Dapsone: crystalline form in relation to its bioavailability] Bernabei MT, et al. **Farmaco [Prat]** 1982 Feb;37(2):55–64 (Eng. Abstr.) **(Ita)**

PHARMACODYNAMICS

Rapid, radiolabeled macrophage culture method for detection of dapsone-resistant Mycobacterium leprae. Nath I, et al. **Antimicrob Agents Chemother** 1982 Jan;21(1):26–32
Effects of potassium iodide, colchicine and dapsone on the generation of polymorphonuclear leukocyte-derived oxygen intermediates. Miyachi Y, et al. **Br J Dermatol** 1982 Aug;107(2):209–14
In vitro effect of DDS on phytohaemagglutinin (PHA)--induced lymphocyte transformation. Ghei SK, et al. **Hansenol Int** 1980 Dec;5(2):112–8
Pyrimethamine/dapsone resistant falciparum malaria imported from Kenya [letter] Herzog C, et al. **Lancet** 1982 May 15;1(8281):1119–20
The association of pregnancy and leprosy. II. Pregnancy in dapsone-resistant leprosy. Duncan ME, et al. **Lepr Rev** 1981 Sep;52(3):263–70
Possible incompatibility of dapsone with clofazimine in the treatment of patients with erythema nodosum leprosum [letter] Imkamp FM, et al. **Lepr Rev** 1982 Jun;53(2):148–9
Increase in prevalence of leprosy caused by dapsone-resistant Mycobacterium leprae. **MMWR** 1982 Jan 8;30(52):637–8
Pharmacogenetic interactions in G6PD deficiency and development of an in vitro test to predict a drug's hemolytic potential. Magon A, et al. **Prog Clin Biol Res** 1981;55:709–24
[Clinical and paraclinical aspects of secondary drug resistance to 4-4' diaminodiphenylsulfone in a population of leprosy patients in Bamako, Republic of Mali] Baquillon G, et al. **Acta Leprol (Geneve)** 1981 Oct–Dec;85:40–52 **(Fre)**

POISONING

Dapsone poisoning (a case report). Chiranjeevi V, et al. **J Assoc Physicians India** 1981 Oct;29(10):869–71

THERAPEUTIC USE

Bullous eruption of systemic lupus erythematosus. Dramatic response to dapsone therapy. Hall RP, et al. **Ann Intern Med** 1982 Aug;97(2):165–70
Facial granuloma responsive to dapsone therapy. Guill MA, et al. **Arch Dermatol** 1982 May;118(5):332–5
Dapsone-responsive, noninfectious verrucous pyoderma. Its occurrence following cisplatin therapy. Person JR, et al. **Arch Dermatol** 1982 May;118(5):336–8
Activity of the combination of isoniazid, protionamide and dapsone against Mycobacterium leprae and some other mycobacteria. Pattyn SR, et al. **Arzneimittelforsch** 1981; 31(12):2155–7
Dapsone and discoid lupus erythematosus. Coburn PR, et al. **Br J Dermatol** 1982 Jan;106(1):105–6
Hypereosinophilic dermatitis. A distinct manifestation of the hypereosinophilic syndrome with response to dapsone. Nir MA, et al. **Dermatologica** 1981;162(6):444–50
Dapsone-resistant leprosy-the THELEP approach. **Int J Lepr** 1981 Dec;49(4):421–5

The nose in lepromatous leprosy; bacteriological and histopathological studies of patients treated with dapsone monotherapy for varying periods of time. Barton RP, et al. **Int J Lepr** 1982 Mar;50(1):58–67

Primary dapsone-resistant leprosy in Cebu, Philippines. Guinto RS, et al. **Int J Lepr** 1981 Dec;49(4):427–30

Patient compliance with dapsone administration in leprosy. Huikeshoven H. **Int J Lepr** 1981 Jun;49(2):228–58 (257 ref.)

A controlled trial to compare the therapeutic effects of dapsone in combination with daily or once-monthly rifampin in patients with lepromatous leprosy. Opromolla DV, et al. **Int J Lepr** 1981 Dec;49(4):393–7

The problem of dapsone-resistant leprosy. Pearson JM. **Int J Lepr** 1981 Dec;49(4):417–20

Treatment of cicatricial (benign mucous membrane) pemphigoid with dapsone. Rogers RS 3d, et al. **J Am Acad Dermatol** 1982 Feb;6(2):215–23

Acne fulminans with a lytic bone lesion responsive to dapsone [letter] Siegel D, et al. **J Rheumatol** 1982 Mar–Apr; 9(2):344–6

Persister M. leprae after introductory rifampicin followed by dapsone therapy. Sreevatsa, et al. **Lepr India** 1981 Jul; 53(3):350–3

The clinical diagnosis of dapsone resistant leprosy. Taylor PM. **Lepr India** 1982 Jan;54(1):117–22

Malaria prophylaxis [letter] Fox JS. **Med J Aust** 1981 Aug 22;2(4):202–3

Disseminated cutaneous rhinosporidiosis treated with dapsone. Mahakrisnan A, et al. **Trop Geogr Med** 1981 Jun; 33(2):189–92

The role of low dosage prothionamide with and without 4,4'-diamino diphenyl sulphone for use with isoniazid in the treatment of experimental mouse tuberculosis. Grosset J, et al. **Tubercle** 1982 Mar;63(1):37–43

[Pilot-trial of treatment of leprosy by pig's thymosin combined with dapsone (author's transl)] **Chung Kuo I Hsueh Ko Hsueh Yuan Hsueh Pao** 1981 Sep; 3(3):198–200 (Eng. Abstr.) **(Chi)**

[Weber-Christian panniculitis treated with sulfone. Report of 2 cases] Proença NG, et al. **AMB** 1981 Nov; 27(11):309–12 (Eng. Abstr.) **(Por)**

DARIER'S DISEASE see **KERATOSIS FOLLICULARIS**

DARK ADAPTATION

Oscillatory potential and nyctometry in insulin-dependent diabetics. Frost-Larsen K, et al. **Acta Ophthalmol (Copenh)** 1980 Dec;58(6):879–88

Differential effects of light and dark adaptations on function and metabolism of retinal taurine and gamma-aminobutyric acid (GABA). Kuriyama K, et al. **Adv Exp Med Biol** 1981; 139:221–38

Evaluation of a rapid test of dark adaptation. Vinton NE, et al. **Am J Clin Nutr** 1981 Sep;34(9):1961–6

Comparison of lens regeneration in adult newts, Triturus viridescens, between light and dark preadapted and non-preadapted animals. Chan F. **Anat Rec** 1982 Apr; 202(4):521–5

Further evaluation of an apparent failure of the photoreceptor alignment mechanism in a human observer. Enoch JM, et al. **Arch Ophthalmol** 1982 Aug;100(8):1280–1

Perceptual defence: attempted replication using the dark adaptation paradigm. Barber PJ, et al. **Can J Psychol** 1982 Mar;36(1):94–104

Perceptual defence: attempted replication using the dark adaption paradigm--a comment. Worthington AG. **Can J Psychol** 1982 Mar;36(1):105–7

Dark-adapted sensitivity, rhodopsin content, and background adaptation in pcd/pcd mice. Fulton AB, et al. **Invest Ophthalmol Vis Sci** 1982 Mar;22(3):386–93

Dark adaptation and aging. Pitts DG. **J Am Optom Assoc** 1982 Jan;53(1):37–41

Induction of dark-adaptive retinomotor movement (cell elongation) in teleost retinal cones by cyclic adenosine 3',5-monophosphate. Burnside B, et al. **J Gen Physiol** 1982 May;79(5):759–74

The effects of constant light and constant darkness on daily changes in the morphology of the pineal organ in the goldfish, Carassius auratus. McNulty JA. **J Neural Transm** 1982;53(4):277–92

Alteration of metabolism of retinal taurine following prolonged light and dark adaptation: a quantitative comparison with gamma-aminobutyric acid (GABA). Ida S, et al. **J Neurosci Res** 1981;6(4):497–509

Development of scotopic sensitivity and the absorption spectrum of the human ocular media. Werner JS. **J Opt Soc Am** 1982 Feb;72(2):247–58

Signal transmission from rods to ganglion cells in rat retina after bleaching a portion of the receptive field. Cicerone CM, et al. **J Physiol (Lond)** 1981 May;314:213–24

Microprocessor-controlled light-emitting diode dark adaptometer. O'Mara PA, et al. **Med Biol Eng Comput** 1982 Jan;20(1):70–6

The influence of method on the stability of dark focus position of accommodation. Heron G, et al. **Ophthalmic Physiol Opt** 1981;1(2):79–90

Early dark adaptation, the receptor potential and lateral effects on the retina. Baker HD, et al. **Vision Res** 1982; 22(6):645–51

The involvement of rod photoreceptors in dark adaptation. Lamb TD. **Vision Res** 1981;21(12):1773–82

Dark adaptation in five-year-old children and adults. Young DC. **Vision Res** 1981;21(6):811–4

[Preliminary investigation on dark adaptation of the normal eye (author's transl)] Hu YT. **Chung Hua Yen Ko Tsa Chih** 1981 Jul;17(4):229–30 **(Chi)**

[Variability of visual acuity, dark adaptation and electroretinogram in retinitis pigmentosa] Niemeyer G, et al. **Klin Monatsbl Augenheilkd** 1982 May;180(5):401–4 (Eng. Abstr.) **(Ger)**

[Dark adaptation with intraocular lens implants (author's transl)] Wizemann A, et al. **Klin Monatsbl Augenheilkd** 1981 Jul;179(1):30–2 (Eng. Abstr.) **(Ger)**

[Glare tests--comparison of mesoptometer and Lavergne's method (author's transl)] Makabe R. **Nippon Ganka Gakkai Zasshi** 1982;86(3):293–7 (Eng. Abstr.) **(Jpn)**

[Effect of the facial portion of a gas mask on central twilight vision and resistance to blinding] Galdaf VM. **Voen Med Zh** 1981 Sep;(9):64 **(Rus)**

DRUG EFFECTS

Rapid dark adaptation of bullfrog rods is delayed by barium. Walter AE, et al. **Invest Ophthalmol Vis Sci** 1982 Sep; 23(3):351–6

[Investigations of visual system adaptation to darkness in workers exposed to long-standing effects of carbon disulphide] Leśnik H, et al. **Klin Oczna** 1981;83(9):425–7 (Eng. Abstr.) **(Pol)**

DARKNESS

Age-related changes in pineal 'synaptic' ribbon populations in rats exposed to continuous light or darkness. King TS, et al. **Am J Anat** 1982 Feb;163(2):169–79

Dark modulation of NADF-dependent malate dehydrogenase and glucose-6-phosphate dehydrogenase in the chloroplast. Scheibe R, et al. **Biochim Biophys Acta** 1981 Jun 12;636(1):58–64

Twenty-one hour light-dark cycle accelerates vaginal opening in the rat. Lehrer S. **Bull NY Acad Med** 1981 Oct; 57(8):705–8

Light-and-dark signal for the initiation of prolactin surges in cervically stimulated rats. Naito H, et al. **Endocrinol Jpn** 1981 Apr;28(2):151–6

Schistosoma mansoni and Schistosoma haematobium: emergence of schistosome cercariae from snails with darkness and illumination. Nojima H, et al. **Exp Parasitol** 1982 Apr;53(2):189–98

A direct effect of the pineal on the accessory sex organs in light deprived male rats. Shirama K, et al. **J Endocrinol Invest** 1981 Apr–Jun;4(2):203–7

Modification of vaginal opening time in rats by light-dark cycle. Lehrer S. **Lab Anim Sci** 1981 Aug;31(4):405–6

Effect of light and darkness on the in vivo release of N-acetylserotonin and melatonin by the retina of guinea pigs. Yu HS, et al. **Neuroendocrinology** 1982 Apr; 34(4):265–8

Activity and melatonin rhythms among rats with recourse to dark burrows. Lynch HJ, et al. **Prog Clin Biol Res** 1982; 92:75–86

Paradoxical pupillary constriction in dark reared chicks. Yinon U, et al. **Vision Res** 1981;21(8):1319–22

[Mesopic vision: comparative studies by mesoptometer, Lavergne's methode and skotoptikometer (author's transl)] Makabe R. **Nippon Ganka Gakkai Zasshi** 1982;86(2):154–7 (Eng. Abstr.) **(Jpn)**

[Role of dark periods on rod outer segment disc shedding (author's transl)] Yagi T. **Nippon Ganka Gakkai Zasshi** 1981 Oct 10;85(10):1669–72 (Eng. Abstr.) **(Jpn)**

[Effectiveness of using a simplified method for the combined water-dark campimetric test] Ustinova EI, et al. **Oftalmol Zh** 1982;37(1):41–4 (Eng. Abstr.) **(Rus)**

DATA COLLECTION

National Medical Care Expenditure Survey. Wilensky GR, et al. **Ann NY Acad Sci** 1982;387:115–23

A data-based approach to assessing clinical interventions in the setting of chronic disease. Starmer CF, et al. **Cancer Treat Rep** 1982 May;66(5):1077–82

Progress towards establishing a 'European Federation of Cell and Virus Collections. Griffiths JB, et al. **Dev Biol Stand** 1981;50:335–8

The drug use profile (DUP): an instrument for clinical and research evaluations for drug use patterns. Khavari KA, et al. **Drug Alcohol Depend** 1981 Sep;8(2):119–30

Needs assessment: selecting goals for a clinical program. Kosecoff J, et al. **Drug Intell Clin Pharm** 1981 Dec; 15(12):986–9

The American Hospital Association's Annual Survey of Hospitals: continuity and change. Kralovec PD, et al. **Health Serv Res** 1981 Fall;16(3):351–5

Thoughts on the AHA's annual Survey of Hospitals. Steinwald B. **Health Serv Res** 1981 Fall;16(3):357–9

Developing a data file for rape prevention through interagency collaboration. Forman BD, et al. **Hosp Community Psychiatry** 1981 Feb;32(2):129–30

Consistency of data collected from inmates of a common lodging house. Shanks NJ. **J Epidemiol Community Health** 1981 Jun;35(2):133–5

Investigating non-response bias in mail surveys. Sheikh K, et al. **J Epidemiol Community Health** 1981 Dec;35(4):293–6

Problems in the collection and analysis of data in leprosy studies. Fine PE. **Lepr Rev** 1981 Dec;52 Suppl 1:197–206

Using statistical data in the planning and development of cancer control programs. Hongladarom G, et al. **Prog Clin Biol Res** 1981;57:199–204

A simple method for the determination of sample size in surveys for intestinal parasites. Croll NA, et al. **Southeast Asian J Trop Med Public Health** 1981 Sep; 12(3):380–3

The urinary tract: Minimum and problem-specific data bases. Klausner JS, et al. **Vet Clin North Am [Small Anim Pract]** 1981 Aug; 11(3):523–42

The doctor and the computer [editorial] Califf RM, et al. **West J Med** 1981 Oct;135(4):321–3

[A continuous eco-pathological survey: data coding and checking procedure (author's transl)] Barnouin J. **Ann Rech Vet** 1980;11(4):351–66 (Eng. Abstr.) **(Fre)**

[Epidemiology of breast carcinoma. Clinical considerations in 47 cases] Galletto L, et al. **Minerva Ginecol** 1981 Dec; 33(12):1109–12 (Eng. Abstr.) **(Ita)**

ECONOMICS

Cost of case-control studies. Brittain E, et al. **Am J Epidemiol** 1981 Aug;114(2):234–43

INSTRUMENTATION

Application of a microprocessor for collection of dental epidemiological data. Gamble A, et al. **Community Dent Oral Epidemiol** 1981 Dec;9(6):300–1

[A new device for snail survey (S-1 Snail Survey Machine)] Yin JY, et al. **Chung Kuo I Hsueh Ko Hsueh Yuan Hsueh Pao** 1981 Jun; 3 Suppl 1:72–3 (Eng. Abstr.) **(Chi)**

[A microprocessing system for respiratory epidemiological studies (author's transl)] Arnould JP, et al. **Bull Eur Physiopathol Respir** 1981 Nov–Dec;17(6):969–78 (Eng. Abstr.) **(Fre)**

METHODS

Methodology of data collection. Utilization of routine statistics from mental and other health services. Brooke EM. **Acta Psychiatr Scand [Suppl]** 1982;296:24–32

Statistical information relevant for monitoring, planning and administration of mental health services. Gulbinat W. **Acta Psychiatr Scand [Suppl]** 1982;296:33–41

Methodology of data collection in field surveys. Wig NN. **Acta Psychiatr Scand [Suppl]** 1982;296:77–86

A review of validations of dietary assessment methods. Block G. **Am J Epidemiol** 1982 Apr;115(4):492–505 (50 ref.)

Should dead cases be matched to dead controls? Gordis L. **Am J Epidemiol** 1982 Jan;115(1):1–5

Need for uniform data elements in hospital drug use review. Forbes MB, et al. **Am J Hosp Pharm** 1981 May;38(5):711–5

On the distribution of underlying causes of death. Gittelsohn AM. **Am J Public Health** 1982 Feb;72(2):133–40

Memory aids in longitudinal health surveys: results from a field experiment. Marcus AC. **Am J Public Health** 1982 Jun;72(6):567–73

Long-term experience in collecting and using occupational health data in the coal industry. Jacobsen M, et al. **Ann Occup Hyg** 1981;24(4):391–8

For discussion: standard national perinatal data: a suggested minimum data set. Brown I, et al. **Community Med** 1981 Nov;3(4):298–306

The validity, reliability and generalizability of diary data. Carp FM, et al. **Exp Aging Res** 1981 Fall;7(3):281–96

Organization of an information system for food and nutrition programmes in Costa Rica. Valverde V, et al. **Food Nutr (Roma)** 1981;7(1):32–40

Macro- and microlevel aging service planning and the 1980 census. Deimling GT. **Gerontologist** 1982 Apr;22(2):151–2

Aging population research: suggestions for a model data system for service planning. Harootyan RA. **Gerontologist** 1982 Apr;22(2):164–9

Alternatives to the face-to-face interview for collecting gerontological needs assessment data. Leinbach RM. **Gerontologist** 1982 Feb;22(1):78–82

The 1980 census and the elderly: new data available to planners and practitioners. Siegel JS, et al. **Gerontologist** 1982 Apr;22(2):144–50

National Athletic Injury/Illness Reporting System: eye injuries in college wrestling. Powell JW. **Int Ophthalmol Clin** 1981 Winter;21(4):47–58

A microcomputer system for the collection and analysis of antibiotic sensitivity test data. Clarkson DM, et al. **J Clin Pathol** 1982 Apr;35(4):444–51

Design and evaluation of a pilot community program for musculoskeletal disability. Liang MH, et al. **J Community Health** 1981 Summer;6(4):257–66

A family data base for the family oriented medical record. Shapiro DM. **J Fam Pract** 1981 Nov;13(6):881–7

Survey of tetanus immunity. Pieroni RE, et al. **J Med Assoc State Ala** 1981 Jul;51(1):38–40

A prospective study of patients with central nervous system trauma. Rimel RW. **J Neurosurg Nurs** 1981 Jun; 13(3):132–41

Duplicate prescriptions: an aid to research and review. Hamley JG, et al. **J R Coll Gen Pract** 1981 Nov; 31(232):648–50

Kinematic data acquisition system for two- or three-dimensional motion analysis. Wyss UP, et al. **Med Biol Eng Comput** 1981 May;19(3):287–90

DRG-based reimbursement: the use of concurrent and retrospective clinical data. Barnard C, et al. **Med Care** 1981 Nov;19(11):1071–82

A data collection form for intensive care units. Link J, et al. **Methods Inf Med** 1982 Apr;21(2):70–4

Conversations with over 600 form basis for MSMS survey. Burton RD. **Mich Med** 1981 Oct;80(29):517

Cost, quality of medical care ranked in MSMS survey. Scholten M. **Mich Med** 1981 Oct;80(29):518–20

The practical accuracy of Benesh Movement Notation. Churton M. **Physiotherapy** 1982 Apr;68(4):117

Benesh Movement Notation. An introduction to recording clinical data. Part II: Recording timing and the quality of movement. McGuinness-Scott J. **Physiotherapy** 1982 Apr; 68(4):114–6

Benesh Movement Notation. An introduction to recording clinical data. Part 5: recording head and trunk movements. McGuinness-Scott J. **Physiotherapy** 1981 Feb 10; 67(2):38–41

Benesh Movement Notation. Part 7: recording lying. McGuinness-Scott J. **Physiotherapy** 1981 May 10; 67(5):134–6

Consumer opinion surveys: a hospital quality assurance measurement. Morrison BJ, et al. **QRB** 1982 Feb;8(2):19–24

A strategy for surveying nursing practice in institutional settings. Kirchhoff KT, et al. **Res Nurs Health** 1981 Sep; 4(3):309–15

Estimating perimenstrual distress: a comparison of two methods. Woods NF, et al. **Res Nurs Health** 1982 Jun; 5(2):81–91

The collection and processing of drug information: National Ambulatory Medical Care Survey. United States, 1980. Koch H, et al. **Vital Health Stat [2]** 1982 Mar;2(90):1–90

STANDARDS

Post-operative evaluation of middle ear surgery. Marquet J, et al. **Audiology** 1982;21(1):20–32

Improving hospital discharge data: lessons from the National Hospital Discharge Survey. Demlo LK, et al. **Med Care** 1981 Oct;19(10):1030–40

How good are the data? Reliability of one health care data bank. Roos LL Jr, et al. **Med Care** 1982 Mar;20(3):266–76

Comparison of international data on motor vehicle accident victims [letter] Appleton I. **NZ Med J** 1981 Dec 23; 94(698):469

DATA DISPLAY

Improved viewing of half-tone display of Octopus perimeter. Jay WM, et al. **Ann Ophthalmol** 1981 Dec;13(12):1369–71

A reply to the incipient public panic about video display terminals [editorial] Lamer L. **Can J Ophthalmol** 1982 Feb; 17(1):1–2

Computer graphic display of cardiac CT scans. Palmer R, et al. **Cardiovasc Intervent Radiol** 1982;5(2):97–104

Influence of recording scale on determination of left ventricular end-diastolic pressure. Hieb BR, et al. **Cathet Cardiovasc Diagn** 1981;7(2):203–8

Accurate computer reconstruction and graphics display of complex neurons utilizing state-of-the-art interactive techniques. Capowski JJ, et al. **Comput Biomed Res** 1981 Dec;14(6):518–32

Automated image processing of the colon crypt epithelium. Zajicek G, et al. **Comput Biomed Res** 1982 Apr;15(2):155–63

Computer-aided visual analysis of long-term ECG recordings. Pahlm O, et al. **Eur Heart J** 1981 Dec; 2(6):487–98

CRT viewing I. **Hum Factors** 1981 Aug;23(4):385–437

Visual fatigue and occupational stress in VDT operators. Dainoff MJ, et al. **Hum Factors** 1981 Aug;23(4):421–37

Eye movement measurement of readability of CRT displays. Kolers PA, et al. **Hum Factors** 1981 Oct;23(5):517–27

Effects of visual display units on the eyes: a bibliography (1972–1980). Matula RA. **Hum Factors** 1981 Oct; 23(5):581–6

Visual fatigue and cathode ray tube display terminals. Mourant RR, et al. **Hum Factors** 1981 Oct;23(5):529–40

A radiation and industrial hygiene survey of video display terminal operations. Murray WE, et al. **Hum Factors** 1981 Aug;23(4):413–20

An investigation of health complaints and job stress in video display operations. Smith MJ, et al. **Hum Factors** 1981 Aug; 23(4):387–400

Evaluation of work station design factors in VDT operations. Stammerjohn LW Jr, et al. **Hum Factors** 1981 Aug; 23(4):401–12

Applications of multidimensional computer graphics in medical systems. Watson CJ, et al. **J Med Syst** 1982 Apr; 6(2):171–81

VDTs still beleaguered by worker complaints [news] Bolsen B. **JAMA** 1981 Oct 9;246(15):1634, 1639

Radiation hazard of video screens [letter] Nashel DJ, et al. **N Engl J Med** 1982 Sep 30;307(14):891

Low cost oscilloscope histogram generator with memory. McCormick DA. **Physiol Behav** 1981 Dec;27(6):1121–5

The concept of three dimensional resolution in echocardiographic imaging. Joynt L, et al. **Ultrasound Med Biol** 1982;8(3):237–47

[Cathode screens and visual performance. Study of 243 cases] Arnaud B, et al. **Bull Mem Soc Fr Ophtalmol** 1981; 93:397–400 (Fre)

[Visual stress in work at visual display units (author's transl)] Meyer JJ, et al. **Klin Monatsbl Augenheilkd** 1982 May; 180(5):373–6 (Eng. Abstr.) (Fre)

[Load factors at visual display terminals (author's transl)] Läubli T, et al. **Klin Monatsbl Augenheilkd** 1982 May; 180(5):363–6 (Eng. Abstr.) (Ger)

[Oscillating light from characters on screens] Bräuninger U, et al. **Soz Praventivmed** 1981 Oct;26(5):320–1 (Eng. Abstr.) (Ger)

[Problems of organizing work on data screen apparatus: stage and need for processing] Raum H. **Z Gesamte Hyg** 1981; 27(8):591–6 (Eng. Abstr.) (Ger)

[Presentation of multidimensional observed vectors in the form of trigonometric functions, explained by means of an example from internal medicine] Röhl FW, et al. **Z Gesamte Inn Med** 1982 Apr 1;37(7):201–6 (Eng. Abstr.) (Ger)

[Development and applications of patients' case history management, reference and statistical processing system (PDBS) (author's transl)] Kambe M, et al. **Iyodenshi To Seitai Kogaku** 1980 Oct;18(6):436–40 (Eng. Abstr.) (Jpn)

DATA PROCESSING, AUTOMATIC see **AUTOMATIC DATA PROCESSING**

DATA PROCESSING, COMPUTER see **COMPUTERS**

DATA SYSTEMS see **INFORMATION SYSTEMS**

DATAPHONE see under **TELEPHONE**

DATURA see **STRAMONIUM**

DAUNOMYCIN see **DAUNORUBICIN**

DAUNORUBICIN

cis-Aconityl spacer between daunomycin and macromolecular carriers: a model of pH-sensitive linkage releasing drug from a lysosomotropic conjugate. Shen WC, et al. **Biochem Biophys Res Commun** 1981 Oct 15; 102(3):1048–54

A conformational analysis of daunomycin considering D-ring repucker. Brown SC, et al. **Biochim Biophys Acta** 1982 Jul 16;717(1):49–55

Eighth new drug seminar on l-asparaginase and daunorubicin. Division of Cancer Treatment. National Cancer Institute. December 17, 1979 Bethesda, Maryland. **Cancer Treat Rep** 1981;65 Suppl 4:1–130

Novel preparation method of immunogen for hydrophobic hapten, enzyme immunoassay for daunomycin and adriamycin. Fujiwara K, et al. **J Immunol Methods** 1981; 45(2):195–203

Interaction of actinomycin D, ethidium, quinacrine, daunorubicin, and tetralysine with DNA: 31P NMR chemical shift and relaxation investigation. Wilson WD, et al. **Nucleic Acids Res** 1982 Feb 25;10(4):1399–410

Photosensitized degradation of DNA by daunomycin. Gray PJ, et al. **Photochem Photobiol** 1982 Jul;36(1):49–57

A differential interaction of doxorubicin and daunorubicin with human serum proteins. Zunino F, et al. **Tumori** 1981 Oct 31;67(5):399–403

[Spatial configuration of the carbohydrate portion of carminomycins II and III] Spiridonova IA, et al. **Antibiotiki** 1982 Apr;27(4):258–63 (Eng. Abstr.) (Rus)

ADMINISTRATION & DOSAGE

Progress in acute myelogenous leukemia. Gale RP. **Cancer Treat Rep** 1981;65 Suppl 4:87–92

Daunorubicin-prednisone in the treatment of acute nonlymphocytic leukemia. Peterson BA, et al. **Cancer Treat Rep** 1981;65 Suppl 4:29–33

Combination chemotherapy with daunorubicin, cytosine arabinoside and prednisolone (DAP) in acute nonlymphocytic leukemia. Kaku K, et al. **Nippon Ketsueki Gakkai Zasshi** 1981 Jul;44(4):881–6

A covalent linkage between daunorubicin and proteins that is stable in serum and reversible by lysosomal hydrolases, as required for a lysosomotropic drug-carrier conjugate: in vitro and in vivo studies. Trouet A, et al. **Proc Natl Acad Sci USA** 1982 Jan;79(2):626–9

Effect of a conjugate of daunomycin and antibodies to rat alpha-fetoprotein on the growth of alpha-fetoprotein-producing tumor cells. Tsukada Y, et al. **Proc Natl Acad Sci USA** 1982 Jan;79(2):621–5

Remission-induction regimens in acute nonlymphocytic leukemia. Brennan DC, et al. **West J Med** 1980 Oct; 133(4):279–88

[Treatment of acute leukemias in adults. II. Preliminary analysis of the treatment results according to AR and RAMP programs] Janowska-Wieczorek A, et al. **Acta Haematol Pol** 1981 Jul-Dec;12(3-4):137–45 (Eng. Abstr.) (Pol)

[Completion of intensive polychemotherapy of lymphoblastic leukemia in children] Michalewska D, et al. **Pediatr Pol** 1981 Aug;56(8):909–14 (Eng. Abstr.) (Pol)

ADVERSE EFFECTS

Renal and haemopoietic proliferative defects as a delayed consequence of cis-platin, adriamycin and daunomycin treatments. Braunschweiger PG, et al. **Br J Cancer** 1982 Mar;45(3):421–8

Risk factors for development of daunorubicin cardiotoxicity. Von Hoff DD, et al. **Cancer Treat Rep** 1981;65 Suppl 4:19–23

[Cardiac toxicity due to daunomycin] Kaufman S, et al. **Harefuah** 1980 Dec 1;99(11):365–6 (Eng. Abstr.) (Heb)

[Cardiotoxic aspects of daunorubicin used in the treatment of acute myeloblastic and lymphoblastic leukoses] Topalov V, et al. **Med Pregl** 1981;34(3-4):119–22 (Eng. Abstr.) (Scr)

ANALOGS & DERIVATIVES

cis-Aconityl spacer between daunomycin and macromolecular carriers: a model of pH-sensitive linkage releasing drug from a lysosomotropic conjugate. Shen WC, et al. **Biochem Biophys Res Commun** 1981 Oct 15; 102(3):1048–54

Toxicity of liposomal N-acyl daunorubicins to L929 cells in culture. Bard DR, et al. **Br J Cancer** 1982 May; 45(5):783–5

Pharmacokinetics of carminomycin in dogs and humans. Preliminary report. Reich SD, et al. **Cancer Chemother Pharmacol** 1981;6(2):189–93

Effect of 7-con-O-methylnogarol on DNA synthesis, survival, and cell cycle progression of Chinese hamster ovary cells. Adams EG, et al. **Cancer Res** 1981 Dec;41(12 Pt 1):4981–7

A phase I and clinical pharmacology study of intravenously administered carminomycin in cancer patients in the United States. Comis RL, et al. **Cancer Res** 1982 Jul;42(7):2944–8

Cytokinetic and biochemical effects of 5-iminodaunorubicin in human colon carcinoma in culture. Glazer RI, et al. **Cancer Res** 1982 Jan;42(1):117–21

Cytotoxicity and DNA strand breaks by 5-iminodaunorubicin in mouse leukemia L1210 cells: comparison with adriamycin and 4'-(9-acridinylamino)methanesulfon-m-anisidide. Zwelling LA, et al. **Cancer Res** 1982 Jul;42(7):2687–91

5-azactidine and zorubicin for patients with previously treated acute nonlymphocytic leukemia: a Cancer and Leukemia Group B pilot study. Peterson BA, et al. **Cancer Treat Rep** 1982 Mar;66(3):563–6

The toxicological evaluation of carminomycin - an antineoplastic anthracycline antibiotic. Buroker RA, et al. **Drug Chem Toxicol** 1981;4(4):383–96

Baumycin analogs isolated from Actinomadura sp. Matsuzawa Y, et al. **J Antibiot (Tokyo)** 1981 Jun; 34(6):774–6

New anthracyclines, feudomycins, produced by the mutant from Streptomyces coeruleorubidus ME130-A4. Oki T, et al. **J Antibiot (Tokyo)** 1981 Jul;34(7):783–90

Microbial conversion of daunomycin, carminomycin I and feudomycin A to adriamycin. Oki T, et al. **J Antibiot (Tokyo)** 1981 Sep;34(9):1229–31

3'-deamino-3'-morpholino derivatives of daunomycin, adriamycin and carminomycin. Takahashi Y, et al. **J Antibiot (Tokyo)** 1982 Jan;35(1):117–8

Rapid high-performance liquid chromatographic assay for the anthracyclines daunorubicin and 7-con-O-methylnogarol in plasma. Brown JE, et al. **J Chromatogr** 1981 Dec 11;226(2):521–5

Adriamycin analogues. Preparation and biological evaluation of some N-perfluoroacyl analogues of daunorubicin, adriamycin, and N-(trifluoroacetyl)adriamycin 14-valerate and their 9,10-anhydro derivatives. Israel M, et al. **J Med Chem** 1982 Feb;25(2):187–91

Adriamycin analogues. Novel anomeric ribofuranoside analogues of daunorubicin. Israel M, et al. **J Med Chem** 1982 Jan;25(1):28–31

Enhanced antitumor properties of 3'-(4-morpholinyl) and 3'-(4-methoxy-1-piperidinyl) derivatives of 3'-deaminodaunorubicin. Mosher CW, et al. **J Med Chem** 1982 Jan;25(1):18–24

Adriamycin analogues. Preparation of 9,10-anhydrodaunorubicin, 9,10-anhydroadriamycin, and some related compounds. Potti G, et al. **J Med Chem** 1982 Apr;25(4):478–81

Structure--activity relationships of nogalamycin analogues. Wiley PF, et al. **J Med Chem** 1982 May;25(5):560–7

Hematopoietic precursor cells in mice treated with 4-demethoxydaunorubicin and doxorubicin. Massa G, et al. **JNCI** 1982 Jun;68(6):971–6

A screening method for autoregulators of anthracycline-producing streptomycetes. Eritt I, et al. **Z Allg Mikrobiol** 1982;22(2):91–6

[Randomized trial of vincristin-methotrexate-bleomycin and cis-platin or detorubicin for advanced head and neck cancer (author's transl)] Cappelaere P, et al. **Bull Cancer (Paris)** 1981;68(5):422–7 (Eng. Abstr.) (Fre)

[The effectivity of carminomycin in combination with dibromodulcitol on human tumor cells in vitro (author's transl)] Projan A, et al. **Arch Geschwulstforsch** 1981; 51(6):497–502 (Eng. Abstr.) (Ger)

[Leukaemomycin-blocked mutants of Streptomyces griseus and their pigments] Wagner C, et al. **Z Allg Mikrobiol** 1981; 21(10):751–60 (Eng. Abstr.) (Ger)

[Polychemotherapy using carminomycin in the combined

treatment of the disseminated form of Ewing's sarcoma in children] Bizer VA, et al. **Antibiotiki** 1981 Oct; 26(10):774–6 (Eng. Abstr.) **(Rus)**

[Certain parameters of kinetics of proliferation of small intestine epithelium after administration of carminomycin] Fomina TI. **Antibiotiki** 1982 Mar;27(3):183–6 **(Rus)**

[Adjuvant chemotherapy with carminomycin and bleomycetin after radical surgery for squamous cell carcinoma of the lung (preliminary communication)] Garin AM, et al. **Antibiotiki** 1982 Mar;27(3):202–5 **(Rus)**

[Reserve potentials of hematopoietic tissue in animals in the period of recovery of the blood morphological composition after carminomycin administration] Novitskii VV, et al. **Antibiotiki** 1981 Dec;26(12):901–6 (Eng. Abstr.) **(Rus)**

[Synthesis, toxicity and antitumor action of carminomycin azine (carminazine)] Povarov LS, et al. **Antibiotiki** 1981 Aug;26(8):620–3 (Eng. Abstr.) **(Rus)**

[Synthesis of rubomycin 13-tc.t-butoxycarbonylhydrazone and the study of its antitumor action] Povarov LS, et al. **Antibiotiki** 1981 Nov;26(11):813–6 (Eng. Abstr.) **(Rus)**

[Synthesis and study of the antitumor properties of 13-hydrazone-substituted carminomycin] Povarov LS, et al. **Antibiotiki** 1982 Feb;27(2):137–40 (Eng. Abstr.) **(Rus)**

[Acute toxicity of the N-acyl derivatives of carminomycin and rubomycin] Shepelevtsev NG, et al. **Antibiotiki** 1982 Jan;27(1):57–61 (Eng. Abstr.) **(Rus)**

[Effect of rubomycin and carminomycin on the delayed hypersensitivity reaction in mice immunized with ram erythrocytes] Vatin AE. **Antibiotiki** 1981 Oct;26(10):750–3 (Eng. Abstr.) **(Rus)**

[Antitumor activity and the effect on immunogenesis of combinations of rubomycin and carminomycin with levamisole] Vatin AE, et al. **Antibiotiki** 1982 Apr; 27(4):284–7 (Eng. Abstr.) **(Rus)**

[Cytostatic action of semisynthetic derivatives of carminomycin] Volkolupova OP, et al. **Antibiotiki** 1982 Feb;27(2):145–7 (Eng. Abstr.) **(Rus)**

[Repair of DNA damage caused by the antineoplastic antibiotic carminomycin] Trenin AS. **Vestn Akad Med Nauk SSSR** 1981;(5):71–5 (Eng. Abstr.) **(Rus)**

[Effect of a mixture of carminomycin and cyanoacrylates on experimental tumor growth] Chissov VI, et al. **Vopr Onkol** 1982;28(6):41–5 **(Rus)**

ANALYSIS

Quantitation of daunorubicin, doxorubicin, and their aglycones by ion-pair reversed-phase chromatography. Haneke AC, et al. **J Pharm Sci** 1981 Oct;70(10):1112–5

BLOOD

Quantitative determination of adriamycin and daunorubicin-handling of blood and plasma samples. Eksborg S, et al. **Acta Pharm Suec** 1981;18(4):215–20

Differences in the plasma kinetics of daunorubicin in normal and leukemic rats. Andersson B, et al. **Acta Radiol [Oncol]** 1981;20(5):325–8

Rapid high-performance liquid chromatographic assay for the anthracyclines daunorubicin and 7-con-O-methylnogarol in plasma. Brown JE, et al. **J Chromatogr** 1981 Dec 11;226(2):521–5

Distribution of daunorubicin, a potent in vitro trypanocide which lacks in vivo activity, in the blood of trypanosome-infected mice. Brown JE, et al. **J Pharm Pharmacol** 1982 Apr;34(4):236–9

HISTORY

The discovery of daunorubicin. Di Marco A, et al. **Cancer Treat Rep** 1981;65 Suppl 4:3–8

IMMUNOLOGY

[Effect of rubomycin and carminomycin on the delayed hypersensitivity reaction in mice immunized with ram erythrocytes] Vatin AE. **Antibiotiki** 1981 Oct;26(10):750–3 (Eng. Abstr.) **(Rus)**

METABOLISM

Role of one-electron and two-electron reduction products of adriamycin and daunomycin in deoxyribonucleic acid binding. Sinha BK, et al. **Biochem Pharmacol** 1981 Sep 15; 30(18):2626–9

Cellular pharmacokinetics of aclacinomycin A in cultured L1210 cells. Comparison with daunorubicin and doxorubicin. Zenebergh A, et al. **Cancer Chemother Pharmacol** 1982;8(2):243–9

Clinical pharmacology of daunorubicin. Benjamin RS. **Cancer Treat Rep** 1981;65 Suppl 4:109–10

Measurements of daunorubicin uptake of Yoshida sarcoma cells in culture using flow cytofluorimetry. Garner A, et al. **Chem Biol Interact** 1981 Aug;36(2):189–210

Comparative uptake of adriamycin and daunorubicin in sensitive and resistant friend leukemia cells measured by flow cytometry. Tapiero H, et al. **Cytometry** 1982 Mar; 2(5):298–302

Microbial conversion of daunomycin, carminomycin I and feudomycin A to adriamycin. Oki T, et al. **J Antibiot (Tokyo)** 1981 Sep;34(9):1229–31

Distribution of daunorubicin intravenously injected or intravenously infused as free drug and as a complex with DNA in rabbits. Hulhoven R, et al. **Pharmacology** 1982; 24(4):253–60

Biologic activity of daunorubicin linked to proteins via the methylketone side chain. Zunino F, et al. **Tumori** 1981 Dec 31;67(6):521–4

Body residue and metabolism of adriamycin and daunorubicin in control and phenobarbital-pretreated mice. Bolanowska W, et al. **Xenobiotica** 1982 Feb;12(2):125–36

Body residue and metabolism of adriamycin and daunorubicin in control and phenobarbital-pretreated mice. Bolanowska W, et al. **Xenobiotica** 1982 Feb;12(2):125–36

Anthracyclic products from Streptomyces erythromogenes nov. sp. Biotransformation of daunomycin (Dn) by an acellular preparation and synergism between Dn and some known antibiotics. Abdallah NM, et al. **Z Allg Mikrobiol** 1982;22(3):155–60

PHARMACODYNAMICS

Simultaneous histochemical demonstration of noradrenergic nerves and tissue components in guinea-pig renal pelvis after treatment with daunomycin. del Tacca M, et al. **Acta Histochem (Jena)** 1982;70(2):224–7

The influence of daunorubicin hydrochloride (DNR) on the cardiac output in rabbits. Polakowski P, et al. **Agressologie** 1981;22(3):109–12

Bone marrow biopsy [letter] Omura GA. **Am J Surg Pathol** 1981 Jul;5(5):517

Differential cytotoxicity of daunomycin in tumour cells is related to glutathione-dependent hydrogen peroxide metabolism. Bozzi A, et al. **Biochem J** 1981 Jan 15; 194(1):369–72

Antagonism of drugs used in leukaemia therapy to the killing of human lymphoblastoid cells by steroid. Gledhill RM, et al. **Br J Cancer** 1981 Sep;44(3):467–71

DNA damage by anthracycline drugs in human leukemia cells. Schwartz HS, et al. **Cancer Lett** 1981 Sep; 13(4):309–13

Effects of cytosine arabinoside and daunorubicin on survival and cell cycle progression of Chinese hamster ovary cells. Fried J, et al. **Cell Tissue Kinet** 1982 Jan;15(1):11–23

Inhibition by chemotherapeutic agents of human bone marrow progenitor cells and clonogenic cells of a lymphoblastic cell line. Williams CK, et al. **Eur J Cancer** 1981 May;17(5):519–26

Potentiation of the biological activities of daunomycin and adriamycin by ascorbic acid and dimethylsulfoxide. Marián M, et al. **Experientia** 1982 May 15;38(5):573–4

In vivo effects of several anthracyclines on DNA integrity. Londos-Gagliardi D, et al. **FEBS Lett** 1982 Jun 1; 142(1):17–22

Inhibition of RNA dependent DNA polymerases by anthracycline antibiotics. Bogdány L, et al. **Neoplasma** 1982;29(1):37–42

[Adrenergic innervation of the kidney in the guinea pig and rat after treatment with daunomycin] Breschi MC, et al. **Boll Soc Ital Biol Sper** 1981 Aug 30;57(16):1673–9 (Eng. Abstr.) **(Ita)**

[Clinical usefulness of determination of the sensitivity of myeloblastic leukemia cells to antiproliferative drugs in cell culture in vivo] Hansz J, et al. **Acta Haematol Pol** 1981 Jan-Mar;12(1):1–6 (Eng. Abstr.) **(Pol)**

THERAPEUTIC USE

Trial of daunomycin in acute promyelocytic leukemia of childhood: a Southwest Oncology Group Study. van Eys J, et al. **Am J Pediatr Hematol Oncol** 1981 Fall;3(3):301–3

Cytosine arabinoside with daunorubicin or adriamycin for therapy of acute myelocytic leukemia: a CALGB study. Yates J, et al. **Blood** 1982 Aug;60(2):454–62

Successful pregnancy in acute promyelocytic leukemia. Alegre A, et al. **Cancer** 1982 Jan 1;49(1):152–3

Comparison of daunorubicin and daunorubicin-DNA complex in the treatment of acute nonlymphoblastic leukemia. Paul C, et al. **Cancer Chemother Pharmacol** 1981; 6(1):65–73

Synergistic effect of ricin in combination with daunorubicin, cis-dichlorodiammineplatinum(II) and vincristine in systemic L1210 leukemia. Fodstad O, et al. **Cancer Res** 1982 Jun;42(6):2152–8

Future clinical investigations with anthracycline antibiotics in relation to daunorubicin. Muggia FM, et al. **Cancer Treat Rep** 1981;65 Suppl 4:35–7

Introduction to New Drug Seminar: Daunorubicin and L-asparaginase. Weiss RB, et al. **Cancer Treat Rep** 1981; 65 Suppl 4:1–2

Daunorubicin treatment of adult solid tumors. Weiss RB, et al. **Cancer Treat Rep** 1981;65 Suppl 4:25–8 (25 ref.)

Sequential studies of daunorubicin and adriamycin in acute nonlymphocytic leukemia. Wiernik PH. **Cancer Treat Rep** 1981;65 Suppl 4:67–71

In vitro and in vivo efficacy of conjugates of daunomycin with anti-tumor antibodies. Arnon R, et al. **Immunol Rev** 1982;62:5–27 (43 ref.)

[Liposome encapsulation as a possibility for the improvement of tumor chemotherapy] Fichtner I, et al. **Folia Haematol (Leipz)** 1981;108(5):658–63 **(Ger)**

[Antitumor activity and the effect on immunogenesis of combinations of rubomycin and carminomycin with levamisole] Vatin AE, et al. **Antibiotiki** 1982 Apr; 27(4):284–7 (Eng. Abstr.) **(Rus)**

[Radiosensitizing action of rubomycin and its DNA complex] Riabchenko NI, et al. **Med Radiol (Mosk)** 1981 Jul; 26(7):46–50 **(Rus)**

TOXICITY

Significance of cellular pharmacokinetics for the cytotoxic effects of daunorubicin. Andersson B, et al. **Cancer Res** 1982 Jan;42(1):178–83

Comparative cardiac and renal toxicity of daunorubicin in the rat and rabbit. Deprez-DeCampeneere D, et al. **Cancer Treat Rep** 1982 Feb;66(2):395–7

Reduced toxicity of daunorubicin by conjugation to dextran. Levi-Schaffer F, et al. **Cancer Treat Rep** 1982 Jan; 66(1):107–14

Toxicology of daunorubicin in animals and man. Maral RJ, et al. **Cancer Treat Rep** 1981;65 Suppl 4:9–18 (97 ref.)

Noradrenaline and alpha blockers in daunomycin cardiotoxicity. Soldani G, et al. **Clin Toxicol** 1981 Dec; 18(12):1435–40

Lack of oncogenic activity of doxorubicin and daunorubicin in BALB/C mice. Bucciarelli E, et al. **Tumori** 1982 Feb 28;68(1):1–3

DAY CARE

Day hospital care by general practitioners in a cottage/community hospital. Jones DT, et al. **Br Med J [Clin Res]** 1981 Nov 28;283(6304):1441–2

D. Ewen Cameron's Day Hospital and the day hospital movement. Goldman DL, et al. **Can J Psychiatry** 1981 Aug; 26(5):365–8

A geriatric day hospital: the Sunnybrook experience. Fisher RH, et al. **Can Med Assoc J** 1981 Sep 1;125(5):447–50

Day treatment for delinquent youth: an alternative to residential care. Schutjer M. **Child Today** 1982 Jan-Feb; 11(1):20–3

'Voices of concern'-a study of verbal communication about patients in a psychiatric day unit. Allen H. **J Adv Nurs** 1981 Sep;6(5):355–62

Changes in future time perception of day hospital psychiatric patients in response to small group treatment approaches. Kandel A, et al. **J Clin Psychol** 1981 Oct;37(4):769–81

Adult day health care. Studer M. **J Iowa Med Soc** 1981 Nov; 71(11):474–5

The psychiatric day hospital. Hassanyeh F, et al. **Practitioner** 1981 Dec;225(1362):1825–8

[Comparison of the effectiveness of three therapeutic programmes in neurosis. I. Design, methods. Report from P 17 SPTR (author's transl)] Skoda C, et al. **Cesk Psychiatr** 1981 Jun;77(3):176–81 (Eng. Abstr.) **(Cze)**

[Comparison of the effectiveness of three therapeutic programmes in neurotics. II (author's transl)] Skoda C, et al. **Cesk Psychiatr** 1981 Dec;77(6):364–9 (Eng. Abstr.) **(Cze)**

[Effects of formaldehyde on the staff of selected day care institutions] Døssing M, et al. **Ugeskr Laeger** 1981 Oct 19; 143(43):2841–4 (Eng. Abstr.) **(Dan)**

[Day care in nursing homes] Beerthuizen J. **Gerontologie** 1981 Nov;12(4):235–6 (Eng. Abstr.) **(Dut)**

[The return of geriatric patients to the home – results of a pilot study in Berlin hospitals] Xander LU. **Z Gerontol** 1981 Nov-Dec;14(6):526–43 (Eng. Abstr.) **(Ger)**

[Specific orientation of treatment and therapeutic goals in a psychiatric day unit] Weil F, et al. **Harefuah** 1982 Jan 1;102(1):9–12 (Eng. Abstr.) **(Heb)**

[Day hospitalization in psychiatric service. A follow-up study after 1-2 years of treatment] Amble KE, et al. **Tidsskr Nor Laegeforen** 1981 Oct 20;101(29):1632–7 (Eng. Abstr.) **(Nor)**

[Surgical treatment experience with strabismus in children in a 1-day-stay hospital] Avetisov ES, et al. **Vestn Oftalmol** 1981 Jul-Aug;(4):31–3 (Eng. Abstr.) **(Rus)**

ECONOMICS

Encouraging third-party coverage of partial hospitals. Fink EB. **Hosp Community Psychiatry** 1982 Jan;33(1):38–41

Cost and effectiveness of a Geriatric Day Hospital. Anand KB, et al. **J R Coll Physicians Lond** 1982 Jan;16(1):53–6

METHODS

Achieving the goals of day treatment. Falloon IR, et al. **J Nerv Ment Dis** 1982 May;170(5):279–85

[Ambulatory surgery--day surgery in children] Hecker WC, et al. **Chirurg** 1981 Aug;52(8):481–5 **(Ger)**

[Ambulatory surgery--day surgery in adults] Lüders K, et al. **Chirurg** 1981 Aug;52(8):486–93 **(Ger)**

[Admission to a psychiatric day clinic – demarcation of indications] Ficker F, et al. **Psychiatr Neurol Med Psychol (Leipz)** 1981 Sep; 33(9):558–64 (Eng. Abstr.) **(Ger)**

[Day-clinic treatment in geropsychiatry (author's transl)] Böker K. **Psychiatr Prax** 1982 May;9(3):67–75 (Eng. Abstr.) **(Ger)**

ORGANIZATION & ADMINISTRATION

ABC of 1 to 7: services for children: outpatient clinics and day care. Valman HB. **Br Med J [Clin Res]** 1982 Mar 27; 284(6320):963–6

The present state and future projections for partial hospitalization: an integrative approach. Avrouskine M, et

al. **Isr J Psychiatr Relat Sci** 1981;18(2):139–45
[The geriatric day hospital in operation. Data from a special facility for health services for geriatric patients offered at the hospital (author's transl)] Xander L.
Aktuele Gerontol 1981 Jul;11(4):137–40 (Eng. Abstr.) **(Ger)**
[Day care hospital for the aged. Analysis of an experience] Gemmellaro P, et al. **Minerva Med** 1981 Nov 24; 72(47):3169–72 **(Ita)**

PSYCHOLOGY

Drama therapy for the elderly in a day care center. Mazor R. **Hosp Community Psychiatry** 1982 Jul;33(7):577–9
Student-like behavior as a function of contingent social interaction in a psychiatric day treatment program. Armstrong HE Jr, et al. **Psychol Rep** 1981 Apr; 48(2):495–500
[Ten years' activity in the day clinic with psychotic children and their families] Bettschart W.
Prax Kinderpsychol Kinderpsychiatr 1982 Apr;31(3):87–92 (Eng. Abstr.) **(Ger)**
[Group therapy in a gerontopsychiatric day clinic – initial experiences (author's transl)] Wächtler C.
Psychother Psychosom Med Psychol 1982 Jul;32(4):122–6 (Eng. Abstr.) **(Ger)**

STANDARDS

An evaluation of a day hospital for the demented elderly. Jones IG, et al. **Health Bull (Edinb)** 1982 Jan;40(1):10–5
Outcome evaluation and quality assurance in mental health. Newman FL. **QRB** 1982 Apr;8(4):27–31

TRENDS

[Day care for psychogeriatric nursing home patients in 1979] Bonn MC, et al. **Tijdschr Gerontol Geriatr** 1982 Jun; 13(3):94–8 (Eng. Abstr.) **(Dut)**
[The day hospital for the rheumatic patient. Practical aspects and general problems] Bianchi V. **Minerva Med** 1981 Dec 15;72(50):3497–500 **(Ita)**

UTILIZATION

Caution and conservatism in the use of a psychiatric day hospital: evidence from a research project that failed. Platt SD, et al. **Psychiatry Res** 1980 Oct;3(2):123–32

DAY DREAMS see **FANTASY**

DCMU see **DIURON**

DDD

METABOLISM

Metabolism of
1,1,1–trichloro–2,2–bis(p–chlorophenyl)–ethane and
1,1–dichloro–2,2–bis(p–chlorophenyl)ethane in the mouse. Gold B, et al. **Chem Biol Interact** 1982 Sep;41(3):327–39

THERAPEUTIC USE

[Cushing's syndrome. Medical treatment of adrenal hypercorticism] Bricaire H, et al. **Horm Res** 1980; 13(4–5):317–24 (Eng. Abstr.) **(Fre)**

O,P-DDD see **MITOTANE**

DDE

ANALYSIS

Mercury and organochlorines in eggs from a Norwegian gannet colony. Fimreite N, et al.
Bull Environ Contam Toxicol 1982 Jan;28(1):58–60
DDE residues in young wood ducks (Aix sponsa) near a former DDT manufacturing plant. Fleming WJ, et al.
Pestic Monit J 1981 Mar;14(4):115–8
[Experimental test results on the contamination of human milk with total DDT (DDT + DDE) in the city of Halle (Saale) in 1979] Thielemann H, et al. **Z Gesamte Hyg** 1981 Oct;27(10):806 **(Ger)**

METABOLISM

Dose–dependent excretion of DDE
(1,1–dichloro–2,2–bis(p–chlorophenyl)ethylene) in rats. Ando M. **Arch Toxicol** 1982 Jan;49(2):139–47

PHARMACODYNAMICS

Comparison of p–p'–DDE and o–p'–DDE on eggshell thickness and Ca binding activity of shell gland in ducks. Lundholm CE. **Acta Pharmacol Toxicol (Copenh)** 1980 Nov;47(5):377–84
Modification on ion transport in lipid bilayer membranes by the insecticides DDT and DDE. Wolff D, et al.
Biochim Biophys Acta 1982 May 21;688(1):138–44
Inhibition of the active transport of D–glucose and L–tyrosine by DDT and DDE in the rat small intestine. Iturri SJ, et al. **Comp Biochem Physiol [C]** 1982; 71C(1):131–4

TOXICITY

Effect of p–p'–DDE administered in vivo and in vitro on Ca2+ binding and Ca2+–Mg2+–ATPase activity in egg shell gland mucose of ducks. Lundholm CE.
Acta Pharmacol Toxicol (Copenh) 1982 Feb;50(2):121–9
South Louisiana crude oil or DDE in the diet of mallard hens: effects on egg quality. Vangilder LD, et al.
Bull Environ Contam Toxicol 1981 Mar;26(3):328–36

DDT

Field trip to determine the acceptability of coloured and plain DDT as residual insecticide. Samnotra KG, et al.
J Commun Dis 1981 Jun;13(2):138–9
Insecticide resistance: tackling the problem areas. Sharma VP, et al. **J Commun Dis** 1980 Jun;12(2):88–90
DDE residues in young wood ducks (Aix sponsa) near a former DDT manufacturing plant. Fleming WJ, et al.
Pestic Monit J 1981 Mar;14(4):115–8

ANALYSIS

Residues on DDT in a contaminated Norwegian lake ecosystem. Kveseth NJ. **Bull Environ Contam Toxicol** 1981 Sep;27(3):397–405
Simplified cleanup procedures for adipose tissue containing polychlorinated biphenyls, DDT, and DDT metabolites. Smrek AL, et al. **Bull Environ Contam Toxicol** 1982 Jun; 28(6):718–22
DDT and BHC residues in some body tissues of goats, buffalo, and chickens, Lucknow, India. Kaphalia BS, et al. **Pestic Monit J** 1981 Sep;15(2):103–6
[An analysis of DDT residue in Panax notoginseng (author's transl)] Mou SJ. **Chung Yao Tung Pao** 1981 May;6(3):3–5 **(Chi)**
[Experimental test results on the contamination of human milk with total DDT (DDT + DDE) in the city of Halle (Saale) in 1979] Thielemann H, et al. **Z Gesamte Hyg** 1981 Oct;27(10):806 **(Ger)**
[Experimental examinations on total DDT residues (p,p'DDT + p,p'–DDE) in fetuses and placentas] Thielemann H, et al. **Z Gesamte Hyg** 1982 Feb;28(2):120–1 (Eng. Abstr.) **(Ger)**

BLOOD

Blood pesticide concentration in mothers and their newborn infants. Relation to prematurity. Procianoy RS, et al.
Acta Paediatr Scand 1981 Nov;70(6):925–8

METABOLISM

Excretion of radioactivity following the intraperitoneal administration of 14C–DDT, 14C–DDD, 14C–DDE and 14C–DDMU to the rat and Japanese quail. Fawcett SC, et al. **Bull Environ Contam Toxicol** 1981 Sep;27(3):386–92
Uptake of DDT from the yolk sac into the early chick embryo as measured by gas chromatography. Swartz WJ, et al. **Bull Environ Contam Toxicol** 1981 Sep;27(3):393–6
Metabolism of
1,1,1–trichloro–2,2–bis(p–chlorophenyl)–ethane and
1,1–dichloro–2,2–bis(p–chlorophenyl)ethane in the mouse. Gold B, et al. **Chem Biol Interact** 1982 Sep;41(3):327–39
Effect of acetylcholine acetyl–hydrolase (E.C. 3.1.1.7) inhibition on the accumulation of pp' DDT in various brain regions of rats. Matin MA, et al. **Experientia** 1982 May 15;38(5):607–8
Storage of DDT and BHC in adipose tissue of Indian males. Siddiqui MK, et al. **Int J Environ Anal Chem** 1981; 10(3–4):197–204
The degradation of parathion and DDT in aqueous systems containing organic additives. Sharom MS, et al.
J Environ Sci Health [B] 1981;B16(6):703–11
Organochlorine compounds and marine lipids. Addison RF. **Prog Lipid Res** 1982;21(1):47–71 (226 ref.)
[Contamination of human fat from Rostock residents with DDT and polychlorinated biphenyls in 1979)] Luckas B, et al. **Nahrung** 1981;25(5):427–33 (Eng. Abstr.) **(Ger)**
[Central metabolic characteristics of a Pseudomonas aeruginosa culture degrading DDT] Mal'tseva OV, et al. **Mikrobiologiia** 1982 Jan–Feb;51(1):5–11 (Eng. Abstr.) **(Rus)**
[Oxidation characteristics of the aromatic acids formed in DDT breakdown by a Pseudomonas aeruginosa culture] Pertsova RN, et al. **Mikrobiologiia** 1982 Mar–Apr; 51(2):275–80 (Eng. Abstr.) **(Rus)**

PHARMACODYNAMICS

Recent advances in mode of action of insecticides. Beeman RW. **Annu Rev Entomol** 1982;27:253–81 (198 ref.)
The effect of a single dose of DDT on thyroid function in male rats. Goldman M. **Arch Int Pharmacodyn Ther** 1981 Aug;252(2):327–34
Effect of a single oral dose of pp'DDT on the absorption of nutrients in vitro and on brush border enzymes in rat intestine. Dudeja PK, et al. **Arch Toxicol** 1982 Jan; 49(2):131–8
DDT inhibition of Ca–Mg ATPase from peripheral nerves and muscles of lobster, Homarus americanus. Ghiasuddin SM, et al. **Biochem Biophys Res Commun** 1981 Nov 16; 103(1):31–7
Role of phospholipids in the inhibitory action of DDT and permethrin on the nerve ATPase of lobster, Homarus americanus. Ghiasuddin SM, et al. **Biochem Pharmacol** 1982 Apr 15;31(8):1483–9
Role of phospholipids in the DDT–induced efflux of potassium in human erythrocytes. Ahmad P, et al.
Biochim Biophys Acta 1982 Jul 14;689(1):135–42
Differential effects of environmental chemicals on liposomal bilayers. Fluorescence polarization and pesticide–lipid association studies. Buff K, et al. **Biochim Biophys Acta** 1982 May 21;688(1):93–100
Modification on ion transport in lipid bilayer membranes by the insecticides DDT and DDE. Wolff D, et al.
Biochim Biophys Acta 1982 May 21;688(1):138–44
DDT acceleration of mammary gland tumors induced in the male Sprague–Dawley rat by 2–acetamidophenanthrene. Scribner JD, et al. **Carcinogenesis** 1981;2(12):1235–9
Decreased levels of S–adenosylmethionine in the livers of rats fed phenobarbital and DDT. Shivapurkar N, et al.
Carcinogenesis 1982;3(5):589–91
Effect of DDT on adenylate cyclase activity in rat liver cell membranes. Pöschl E, et al. **Chem Biol Interact** 1982 Apr; 39(3):369–74
The combined effect of DDT and polychlorinated biphenyls on the blood and heart rate of the white leghorn cockerel (Gallus domesticus). Iturri SJ, et al.
Comp Biochem Physiol [C] 1982;72(1):27–32
Inhibition of the active transport of D–glucose and L–tyrosine by DDT and DDE in the rat small intestine. Iturri SJ, et al. **Comp Biochem Physiol [C]** 1982; 71C(1):131–4
Effect of DDT on DNA, RNA & protein synthesis in Tetrahymena pyriformis. Saxena DM, et al.
Indian J Exp Biol 1981 Jun;19(6):568–70
A note on DDT susceptibilty status of some Anopheles mosquitoes in Arunachal Pradesh. Sundaram RM, et al.
J Commun Dis 1980 Dec;12(4):210–1
Effects of some xenobiotics on ascorbic acid metabolism in rats. Horio F, et al. **J Nutr** 1982 Mar;112(3):416–25
Genetic recombination and directional selection for DDT resistance in Drosophila melanogaster. Flexon PB, et al.
Nature 1982 Aug 12;298(5875):672–4
Similar mode of action of pyrethroids and DDT on sodium channel gating in myelinated nerves. Vijverberg HP, et al. **Nature** 1982 Feb 18;295(5850):601–3
Interaction of DDT with sodium channels in squid giant axon membranes. Lund AE, et al. **Neuroscience** 1981; 6(11):2253–8

POISONING

DDT poisoning in a Cooper's hawk collected in 1980. Prouty RM, et al. **Bull Environ Contam Toxicol** 1982 Mar; 28(3):319–21

THERAPEUTIC USE

Resistance of head louse (Pediculus humanus capitis de Geer) to DDT in Malaysia. Sinniah B, et al.
Trans R Soc Trop Med Hyg 1982;76(1):72–4

TOXICITY

Altered imprinting of rat liver monoamine oxidase by o, p'–DDT and methoxychlor. Lamartiniere CA, et al.
Biochem Pharmacol 1982 Mar 1;31(5):647–51
Effects of dichlorodiphenyltrichloroethane and its analogues on rat liver mitochondria. Ohyama T, et al.
Biochem Pharmacol 1982 Feb 1;31(3):397–404
Inhibition of intercellular communication between liver cells by the liver tumor promoter
1,1,1–trichloro–2,2–bis(p–chlorophenyl)ethane. Williams GM, et al. **Cancer Lett** 1981 Feb;11(4):339–44
In vivo changes in the activity of gill ATPases and haemolymph ions of Carcinus maenas exposed to p,p'–DDT and reduced salinities. Jowett PE, et al.
Comp Biochem Physiol [C] 1981;69(2):339–402
Effect of DDT, fauna and flooding on microsomal growth in soil. Tu CM. **J Environ Sci Health [B]** 1981;16(5 Pt B):637–48
p,p'–DDT–induced alterations in brain serotonin metabolism. Chung Hwang E, et al.
Neurotoxicology (Park Forest Il) 1981 Dec;2(4):649–57
Nitrogen metabolism in o,p'–DDT–fed rats. Story DL, et al. **Toxicol Appl Pharmacol** 1982 Apr;63(2):275–80
Acute toxicity of organic solvents, heavy metals and DDT tested in cultures of mouse neuroblastoma cells. Peterson A, et al. **Toxicol Lett** 1981 Oct;9(2):101–6
Lack of carcinogenicity of DDT in hamsters. Cabral JR, et al. **Tumori** 1982 Feb 28;68(1):5–10
Effects of long–term intake of DDT on rats. Cabral JR, et al. **Tumori** 1982 Feb 28;68(1):11–7

DDVP see **DICHLORVOS**

DDX see **DDE**

DE LANGE'S SYNDROME

COMPLICATIONS

[Cornelia de Lange syndrome with cleft palate: report of a case (author's transl)] Mizuki H, et al.
Kokubyo Gakkai Zasshi 1981 Jun;48(2):240–6 (Eng. Abstr.) **(Jpn)**

DIAGNOSIS

Cornelia-de-Lange syndrome. Kumta NB, et al. **Indian Pediatr** 1981 Jun;18(6):412-3

Typus Degenerativus Amstelodamensis Cornelia de-Lange syndrome: (case report). Gupta OK, et al. **J Assoc Physicians India** 1981 Mar;29(3):233-5

FAMILIAL & GENETIC

A re-investigation of an inherited chromosome aberration in a girl with signs of De Lange syndrome. Eeg-Olofsson O, et al. **Acta Paediatr Scand** 1981 Jul;70(4):581-2

Prometaphase chromosomes in five patients with the Brachmann-de Lange syndrome. Breslau EJ, et al. **Am J Med Genet** 1981;10(2):179-86

Chromosomes in the Cornelia de Lange syndrome. Beck B, et al. **Hum Genet** 1981;59(4):271-6

DE TONI-DEBRE-FANCONI SYNDROME see **FANCONI SYNDROME**

DEAE-CELLULOSE see under **CELLULOSE**

DEAE-CELLULOSE CHROMATOGRAPHY see **CHROMATOGRAPHY, DEAE-CELLULOSE**

DEAE-DEXTRAN see under **DEXTRANS**

DEAF-MUTISM see **DEAFNESS**

DEAFNESS

see related
HEARING AIDS
LIPREADING

Symposium on research and utilization of educational media for teaching the deaf. Hearing-impaired learner with special needs. **Am Ann Deaf** 1981 Sep;126(6):563-788

Schools and classes for the deaf in the United States. **Am Ann Deaf** 1982 Apr;127(2):107-92

Research programs and services. **Am Ann Deaf** 1982 Apr; 127(2):279-94

EPIC Experimental project in instructional concentration. Report of a study of the influence of intensifying instruction for elementary-school age deaf children. Central Institute for the Deaf, St. Louis, Missouri. **Am Ann Deaf** 1981 Nov; 126(8):867-974

Hearing-impaired learner with special needs: the deaf-blind. Bishop CM. **Am Ann Deaf** 1981 Sep;126(6):654-61

Captioned television and hearing-impaired viewers: the report of a national survey. Blatt J, et al. **Am Ann Deaf** 1981 Dec;126(9):1017-23

Television captioning strategies: a systematic research and development approach. Braverman B. **Am Ann Deaf** 1981 Dec;126(9):1031-6

Utilization of technology in the education of the deaf-blind. Bravin PW. **Am Ann Deaf** 1981 Sep;126(6):707-14

Deaf-blind computer training program at Ohlone Community College. Bravin PW, et al. **Am Ann Deaf** 1981 Sep;126(6):731-5

EPIC Experimental project in instructional concentration. Genesis of the project. Calvert DR. **Am Ann Deaf** 1981 Nov;126(8):869-71

The many uses of Apple computers at the Western Pennsylvania School for the Deaf. Comden T. **Am Ann Deaf** 1981 Sep;126(6):591-9

Fathers: the forgotten parents. Crowley M, et al. **Am Ann Deaf** 1982 Feb;127(1):38-40

EPIC. Experimental project in instructional concentration. Design of the project. Geers AE. **Am Ann Deaf** 1981 Nov; 126(8):872-6

EPIC. Experimental project in the instructional concentration. Evaluation and results. Geers AE, et al. **Am Ann Deaf** 1981 Nov;126(8):929-64

A deaf-blind resource room. Grell G, et al. **Am Ann Deaf** 1981 Sep;126(6):681-8

Rationale and strategies for planning communication individualized education programs (CIEP) for deaf students. Johnson DD, et al. **Am Ann Deaf** 1981 May; 126(3):370-81

A comparison of deaf students performance on true-false and multiple-choice items. McKee BG, et al. **Am Ann Deaf** 1982 Feb;127(1):49-54

Toward Development of a computer programming ability in deaf pre-high-school students: a pilot study. McLeod R Jr. **Am Ann Deaf** 1981 Dec;126(9):1010-6

EPIC. Experimental project in instructional concentration. Conclusions. Moog JS, et al. **Am Ann Deaf** 1981 Nov; 126(8):965-9

EPIC. Experimental project in instructional concentration. Instructional program. Moog JS. **Am Ann Deaf** 1981 Nov; 126(8):877-928

School-wide talented and gifted program for the deaf. Pollard G, et al. **Am Ann Deaf** 1981 Sep;126(6):600-6

Creative thinking and dance/movement skills of hearing-impaired youth: an experimental study. Reber R, et al. **Am Ann Deaf** 1981 Dec;126(9):1004-9

Teaching metaphor to deaf children. Rittenhouse RK, et al. **Am Ann Deaf** 1982 Feb;127(1):12-7

Turned on poetry: creating poetic mood with media. Schmitt RJ, et al. **Am Ann Deaf** 1981 Sep;126(6):646-53

The hearing-impaired learner with special needs: introduction. Stepp RE Jr. **Am Ann Deaf** 1981 Sep; 126(6):570-1

Students' perceptions of instructor performance in specialized professional training programs in deafness: recommendations for teaching strategies. Zieziula FR. **Am Ann Deaf** 1981 Dec;126(9):1037-42

Recovery from prolonged sensorineural hearing loss. Bailey CM, et al. **Am J Otol** 1982 Jul;4(1):1-8

Computer-aided emergency telecommunications for the deaf. Compton MV, et al. **Ann Emerg Med** 1982 Jun;11(6):324-6

An improved emergency telecommunications system for the deaf. Compton MV, et al. **Compr Ther** 1982 Jun;8(6):3-5

The verbal environment provided by hearing mothers for their young deaf children. Cheskin A. **J Commun Disord** 1981 Nov;14(6):485-96

The use of language by hearing mothers of deaf children. Cheskin A. **J Commun Disord** 1982 Mar;15(2):145-53

Deafness--a communication disability. **J Iowa Med Soc** 1982 Jan;72(1):29, 31-5

Signs of speech: cooperating in deaf education. Kyle JG. **Spec Educ Forward Trends** 1981 Sep;8(3):21-8

Integration and teaching styles. Lynas W. **Spec Educ Forward Trends** 1981 Sep;8(3):11-4

[New developments in the area of education of the hearing impaired] Hamilton JH. **S Afr Med J** 1981 Nov 28; 60(22):856-8 (Eng. Abstr.) **(Afr)**

CHEMICALLY INDUCED

Streptomycin sulphate and deafness: a review of the literature. Walby AP, et al. **Clin Otolaryngol** 1982 Feb; 7(1):63-8 (61 ref.)

Temporal bone histopathology in human ototoxicity due to loop diuretics. Arnold W, et al. **Scand Audiol [Suppl]** 1981; 14 Suppl:201-13

COMPLICATIONS

Normal sweating and tear production in congenital ichthyosiform erythroderma with deafness and keratitis. van Everdingen JJ, et al. **Acta Derm Venereol (Stockh)** 1982;62(1):76-8

The syndrome of abnormal neutrophil chemotaxis, unusual facies, proportionate small stature and sensorineural deafness-mutism [letter] Thong YH, et al. **Acta Paediatr Scand** 1981 Jul;70(4):575

Current screening procedures for the Usher syndrome at residential schools for the deaf. Day CW. **Am Ann Deaf** 1982 Feb;127(1):45-8

Facilitating readiness skills and early communication in developmentally delayed deaf students. Dierksen CA, et al. **Am Ann Deaf** 1981 Sep;126(6):736-46

'What's a nice boy like you...' Jensema CK. **Am Ann Deaf** 1981 Dec;126(9):991-2

An outpatient treatment approach for hearing-impaired alcoholics. Jorgensen DG, et al. **Am Ann Deaf** 1982 Feb; 127(1):41-4

The use of a multi-image slide presentation and experiential strategies to enhance personal/social development of deaf students with developmental disabilities. Kessler MI. **Am Ann Deaf** 1981 Sep;126(6):727-30

Survey of 336 deaf students for retinitis pigmentosa. Isaeff WB, et al. **Ann Ophthalmol** 1981 Oct;13(10):1131-2

Tinnitus in children with hearing loss. Graham JM. **Ciba Found Symp** 1981;85:172-92

Usher's syndrome in a Nigerian child. McMoli TE, et al. **East Afr Med J** 1981 Dec;58(12):967-70

A study of speech deterioration in post-lingually deafened adults. Cowie R, et al. **J Laryngol Otol** 1982 Feb; 96(2):101-12

Hyporeninemic hypoaldosteronism in a child with lactic acidosis, deafness, and mental retardation. Shuper A, et al. **J Pediatr** 1982 May;100(5):769-72

The syndrome of diabetes insipidus, diabetes mellitus, optic atrophy, deafness, and other abnormalities (DIDMOAD-syndrome). Two affected sibs and a short review of the literature (98 cases). Dreyer M, et al. **Klin Wochenschr** 1982 May 3;60(9):471-5 (42 ref.)

Hereditary microphthalmos associated with ichthyosis. A genetic, clinical, ultrasonographic and histological study. Loffredo A, et al. **Ophthalmologica** 1982 Jan;184(2):78-86

Otologic care in a school for the deaf. Stool SE, et al. **Otolaryngol Head Neck Surg** 1981 Jul-Aug;89(4):651-7

[Nosology of Von Graefe-Lindenov syndrome. Study of mental disorders in this genetic neurosensory disease] Nehlil J. **Ann Med Psychol (Paris)** 1981 Mar;139(3):352-6 **(Fre)**

[DIDMOAD syndrome (diabetes insipidus, diabetes mellitus, optic atrophy, deafness) with cerebello-pontine atrophy] Kehl O, et al. **Schweiz Med Wochenschr** 1982 Mar 6; 112(10):348-52 (Eng. Abstr.) **(Ger)**

[The goiter-deafness syndrome] Meng S, et al. **Z Arztl Fortbild (Jena)** 1982 Feb;76(3):90-2 **(Ger)**

[Echocardiographic study of 2 cases of Pendred syndrome] Paggi A, et al. **Minerva Med** 1982 Apr 2;73(14):791-6 (Eng. Abstr.) **(Ita)**

[Tinnitus measurements in transmission deafness and perception deafness] Bucci S, et al. **Riv Med Aeronaut Spaz** 1980 Jul-Dec;43(3-4):319-31 (Eng. Abstr.) **(Ita)**

[Chronic progressive external ophthalmoplegia, deafness, neurogenic muscular atrophy and hypergonadotropic hypogonadism (author's transl)] Hazama R, et al. **Rinsho Shinkeigaku** 1981 Apr;21(4):304-10 (Eng. Abstr.) **(Jpn)**

[A case of Cogan's syndrome (author's transl)] Nomoto M, et al. **Rinsho Shinkeigaku** 1981 Jul;21(7):574-80 (Eng. Abstr.) **(Jpn)**

CONGENITAL

Media and instructional techniques for Usher's syndrome. Fischer C. **Am Ann Deaf** 1981 Sep;126(6):582-6

In vitro models of viral-induced congenital deafness. Davis GL. **Am J Otol** 1981 Oct;3(2):156-60

Hereditary deafness with hydrops and anomalous calcium phosphate deposits. Johnsson LG, et al. **Am J Otolaryngol** 1981 Nov;2(4):284-98

Use of the cochlear implant by the prelingually deaf. Eisenberg LS. **Ann Otol Rhinol Laryngol [Suppl]** 1982 Mar-Apr;91(2 Pt 3 Suppl 91):62-6

Nonauditory suffix effects in congenitally deaf signers of American Sign Language. Shand MA, et al. **J Exp Psychol [Hum Learn]** 1981 Nov;7(6):464-74

Pendred's syndrome - consequences of thyroidectomy. Winearls CG, et al. **Postgrad Med J** 1981 May; 57(667):329-30

[Postrubella deafness in children] Longuebray A, et al. **J Fr Otorhinolaryngol** 1982 Feb;31(2):115-20 (Eng. Abstr.) **(Fre)**

[Cervico-oculo-acoustic syndrome] Giroud M, et al. **Pediatrie** 1981 Sep;36(6):479-82 (Eng. Abstr.) **(Fre)**

[Six cases of Jervell and Lange-Nielsen syndrome-epidemiological study of 8 schools for the deaf (author's transl)] Kawano M, et al. **Kokyu To Junkan** 1981 May;29(5):553-62 (Eng. Abstr.) **(Jpn)**

DIAGNOSIS

Diagnosis and communicative ability in deaf children in the European Community. Martin JA. **Audiology** 1982; 21(3):185-96

Clinical application of non-invasive electrocochleography. Mori N, et al. **Auris Nasus Larynx** 1980;7(3):111-23

Tuning fork assessment of deafness. Benjamin B. **Aust Fam Physician** 1981 Jun;10(6):461-3

The risk register for infant deafness as implemented in Manitoba. Magian VD, et al. **Can J Public Health** 1981 May-Jun;72(3):181-5

Electrical response audiometry: a survey of its effect on the diagnosis and management of deafness in children. Buffin JT, et al. **Clin Otolaryngol** 1981 Aug;6(4):279-83

Auditory brain stem and middle latency responses in a patient with cortical deafness. Ozdamar O, et al. **Electroencephalogr Clin Neurophysiol** 1982 Feb; 53(2):224-30

Syndrome of imperforate anus, abnormalities of hands and feet, satyr ears, and sensorineural deafness. Walpole IR, et al. **J Pediatr** 1982 Feb;100(2):250-2

Combined electrocochleography and tomography of the temporal bones in severely deaf infants. Beagley HA. **Laryngoscope** 1982 Jul;92(7 Pt 1):821-2

Autoimmune sensorineural deafness: case report. Wilson RL, et al. **NZ Med J** 1981 Dec 9;94(697):414-5

[Diagnosis of deafness in children: management] El Bouazzaoui N. **Maroc Med** 1981 Jun-Oct;3(2-3):631-8 **(Fre)**

[Early detection of deafness] Montandon P. **Rev Med Suisse Romande** 1981 May;101(5):355-8 **(Fre)**

[Brainstem evoked potentials in deaf-blind children (author's transl)] Coll J, et al. **Rev Otoneuroophtalmol** 1981 Mar-Apr; 53(2):189-91 (Eng. Abstr.) **(Fre)**

[Possibility of employing existing local medical facilities in the medico-legal judgment on occupational deafness] Marello G. **Minerva Med** 1981 Sep 26;72(36):2403-14 (Eng. Abstr.) **(Ita)**

[Diagnosis and treatment of Graefe-Usher syndrome] Katsnel'son LA, et al. **Vestn Oftalmol** 1981 May-Jun; (3):41-3 (Eng. Abstr.) **(Rus)**

[The auditory evoked potentials of the brain stem: their importance in the diagnosis of deafness in childhood] Alonso Párraga D, et al. **An Otorrinolaringol Ibero Am** 1981;8(5):391-8 **(Spa)**

DRUG THERAPY

[Venous perfusion with nicergoline in the treatment of sudden deafness] Gratacap B. **J Fr Otorhinolaryngol** 1982 Jan;31(1):65-7 **(Fre)**

ETIOLOGY

Aetiological factors relating to childhood deafness in the European community. Martin JA. **Audiology** 1982; 21(2):149-58

Deafness and diabetes [editorial] Robin PE. **Clin Otolaryngol** 1981 Oct;6(5):309

Severe hearing loss and retinopathy in children: on the possible association with rubella virus infection. Egge K, et al. **Scand Audiol** 1981;10(2):75-9

Bilateral deafness of vascular origin. Khurana RK, et al. **Stroke** 1981 Jul-Aug;12(4):521-3

[Deafness and bone pathology of the internal acoustic meatus] Martin C, et al. **Rev Laryngol Otol Rhinol (Bord)** 1981 May-Jun;102(5-6):173 (Eng. Abstr.) **(Fre)**

[Van de Hoeve syndrome] Aluffi E, et al. **Minerva Chir** 1982 Mar 31;37(6):569-78 (Eng. Abstr.) **(Ita)**

FAMILIAL & GENETIC

Familial thyroxine-binding globulin deficiency with neurological abnormalities. Shita A, et al. **Acta Clin Belg** 1981;36(6):313–4

Familial early profound deafness in an Athabascan kindred. Slaby D. **Alaska Med** 1982 Mar–Apr;24(2):18–9

On the cognitive ability of deaf children with deaf parents. Conrad R, et al. **Am Ann Deaf** 1981 Dec;126(9):995–1003

Occurrence of cyclopia, myelomeningocele, deafness, and abducens paralysis in siblings. Burck U, et al. **Am J Med Genet** 1982 Apr;11(4):443–8

Diffuse palmoplantar keratoderma with deafness. Hatamochi A, et al. **Arch Dermatol** 1982 Aug;118(8):605–7

Preservation of central auditory function in the deafness mouse. Bock GR, et al. **Brain Res** 1982 May 13; 239(2):608–12

Autosomal recessive 'uncomplicated' profound childhood deafness in an Arabic family with high consanguinity. Kabarity A, et al. **Hum Genet** 1981;57(4):444–6

The deafness, onycho-osteo-dystrophy, mental retardation syndrome. Two new cases. Sánchez O, et al. **Hum Genet** 1981;58(2):228–30

Familial multiple pigmented naevi and sensorineural deafness. A new autosomal dominant syndrome? Peserico A, et al. **Int J Pediatr Otorhinolaryngol** 1981 Sep;3(3):269–72

Two daughters of a deaf mute mother: implications for ego and cognitive development. Dent KA. **J Am Acad Psychoanal** 1982 Jul;10(3):427–41

An X-linked syndrome characterised by hyperuricaemia, deafness, and neurodevelopmental abnormalities. Simmonds HA, et al. **Lancet** 1982 Jul 10;2(8289):68–70

Genetics of congenital deafness. Steele MW. **Pediatr Clin North Am** 1981 Nov;28(4):973–80

Waardenburg's syndrome: the need for family investigation and genetic counselling. Parving A, et al. **Scand Audiol** 1981;10(2):121–3

An 18p- syndrome due to 15/18 translocation with facial palsy and deafness. Adachi K, et al. **Tohoku J Exp Med** 1981 Mar;133(3):307–11

[Sex-linked recessive hereditary deafness (author's transl)] Lu SM. **Chung Hua I Hsueh Tsa Chih** 1981 Nov; 61(11):666–7 (Eng. Abstr.) **(Chi)**

[Prolonged Q–T syndrome. Report of a case with dominant heredity in a deaf-mute] Christensen O. **Ugeskr Laeger** 1982 Feb 15;144(7):472–5 (Eng. Abstr.) **(Dan)**

[Autosomal recessive inheritance of hydrocephalus with stenosis of the duct of Sylvius] Petrus M, et al. **J Genet Hum** 1981 Jun;29(2):155–60 (Eng. Abstr.) **(Fre)**

[A new family displaying ophthalmic changes overlapping Epstein's triad (macrothrombocytopathia, nephritis and deafness) (author's transl)] Kuroda M, et al. **Nippon Naika Gakkai Zasshi** 1982 Apr 10;71(4):485–96 **(Jpn)**

[Difficulties in the diagnosis of genetic deafness. 2 cases of Usher syndrome] Moldovan M, et al. **Rev Chir [Otorinolaringol]** 1982 Jan–Mar;27(1):53–8 **(Rum)**

HISTORY

Some unusual cures of deafness. Markides A. **J Laryngol Otol** 1982 Jun;96(6):479–90

OCCURRENCE

Childhood deafness in the European community. Martin JA, et al. **Scand Audiol** 1981;10(3):165–74

[Morbidity and etiology of deaf-mutism in the province of Cadiz] Roquette Gaona J, et al. **An Otorrinolaringol Ibero Am** 1982;9(2):125–34 (Eng. Abstr.) **(Spa)**

PATHOLOGY

Deafness in cryoglobulinemia. Nomura Y, et al. **Ann Otol Rhinol Laryngol** 1982 May–Jun;91(3 Pt 1):250–5

The Mondini defect in Turner's syndrome. A temporal bone report. Windle-Taylor PC, et al. **Clin Otolaryngol** 1982 Apr;7(2):75–80

Progressive bulbar paralysis of childhood (Fazio–Londe disease) with deafness. Case report with clinicopathologic correlation. Rosemberg S, et al. **Eur Neurol** 1982;21(2):84–9

[Case of van der Hoeve's syndrome] Aluffi E, et al. **Ann Osp Maria Vittoria Torino** 1981 Jan–Jun;24(1–6):3–12 **(Ita)**

PHYSIOPATHOLOGY

Effects of the single-electrode cochlear implant on the vestibular system of the profoundly deaf adult. Eisenberg LS, et al. **Ann Otol Rhinol Laryngol [Suppl]** 1982 Mar–Apr; 91(2 Pt 3 Suppl 91):47–54

Effects of deafness and blindness on the spatial correlates of hippocampal unit activity in the rat. Hill AJ, et al. **Exp Neurol** 1981 Oct;74(1):204–17

Obstruent production by hearing-impaired speakers: interarticulator timing and acoustics. McGarr NS, et al. **J Acoust Soc Am** 1982 Jul;72(1):34–42

Deafness at school [letter] Drake ML. **NZ Med J** 1981 Dec 23,94(698):471

[Noninvasive electric hearing stimulation in the deaf] Hrubý J. **Cesk Otolaryngol** 1982 Jan;31(1):10–2 (Eng. Abstr.) **(Cze)**

[Functional preparedness of deaf children for school instruction] Sukharev AG, et al. **Gig Sanit** 1981 Jun;(6):25–7 (Eng. Abstr.) **(Rus)**

PREVENTION & CONTROL

The price of preservation of hearing in acoustic neuroma surgery. Tos M, et al. **Ann Otol Rhinol Laryngol** 1982 May–Jun;91(3 Pt 1):240–5

PSYCHOLOGY

Reading. Clumsiness, and the deaf child. Beggs WD, et al. **Am Ann Deaf** 1982 Feb;127(1):32–7

Review of research on test instructions for deaf children. Bragman R. **Am Ann Deaf** 1982 Jun;127(3):337–46 (102 ref.)

Beyond the norm—social maturity and deafness. Delgado GL. **Am Ann Deaf** 1982 Jun;127(3):356–60

On the influence of familiarity on deaf students' text recall. Gormley KA. **Am Ann Deaf** 1981 Dec;126(9):1024–30

Television program + script = high motivation in vocabulary and English. Hendricks P, et al. **Am Ann Deaf** 1981 Sep;126(6):755–9

What, when, and why deaf children watch television. Liss MB, et al. **Am Ann Deaf** 1981 Aug;126(5):493–8

A usable test for the speech intelligibility of deaf talkers. Monsen RB. **Am Ann Deaf** 1981 Oct;126(7):845–52

Sign and oral language development of preschool hearing children of deaf parents in comparison with their mothers' communication system. Schiff-Myers NB. **Am Ann Deaf** 1982 Jun;127(3):322–30

The acquisition of creative thought processes via the study of creative people. Shaw CC. **Am Ann Deaf** 1981 Sep; 126(6):675–80

Psycho-social aspects of deafness course as a counseling tool for the hearing impaired. Skyer SC. **Am Ann Deaf** 1982 Jun;127(3):349–55

Recall of different segments of an interpreted lecture by deaf students. Stinson M, et al. **Am Ann Deaf** 1981 Oct; 126(7):819–24

The AAMD Adaptive Behavior Scale norm referenced for deaf-blind individuals: application and implication. Suess JF, et al. **Am Ann Deaf** 1981 Oct;126(7):814–8

Psychometric studies and clinical interviews with cochlear implant patients. Crary WG, et al. **Ann Otol Rhinol Laryngol [Suppl]** 1982 Mar–Apr;91(2 Pt 3 Suppl 91):55–8

Response bias in the perception of deaf speech by experienced and naive listeners. Gulian E, et al. **Br J Audiol** 1981 Aug; 15(3):165–71

A comparative study of the reading lessons of deaf and hearing primary school children. Howarth SP, et al. **Br J Educ Psychol** 1981 Jun;51(Pt 2):156–62

Acquired deafness and mental health. Thomas AJ. **Br J Med Psychol** 1981 Sep;54(Pt 3):219–29

Hallucinatory experiences of prelingually profoundly deaf schizophrenics. Critchley EM, et al. **Br J Psychiatry** 1981 Jan;138:30–2

Aphasia in a prelingually deaf woman. Chiarello C, et al. **Brain** 1982 Mar;105(Pt 1):29–51

Hypnotic deafness: now you hear it–now you still hear it. Spanos NP, et al. **J Abnorm Psychol** 1982 Feb;91(1):75–7

Use of common morphemes by hearing-impaired children exposed to a system of manual English. Gilman LA, et al. **J Aud Res** 1980 Jan;20(1):57–69

The structure of conversations with 6- to 10-year-old deaf children. Wood DJ, et al. **J Child Psychol Psychiatry** 1982 Jul;23(3):295–308

Relationship between intellectual functioning and communicative competence in deaf children. Brinich PM. **J Commun Disord** 1981 Sep;14(5):429–34

The social handicap of deafness. McBrien FE. **J Laryngol Otol** 1982 Jul;96(7):577–83

Is paranoid illness associated with sensory defects in the elderly? Moore NC. **J Psychosom Res** 1981;25(2):69–74

Perception of iconicity in American sign language by hearing and deaf subjects. Griffith PL, et al. **J Speech Hear Disord** 1981 Nov;46(4):388–97

Comprehension and production of basic semantic concepts by older hearing-impaired children. Brenza BA, et al. **J Speech Hear Res** 1981 Sep;24(3):414–9

Immediate and delayed story recall by hearing and deaf children. Gaines R, et al. **J Speech Hear Res** 1981 Sep; 24(3):463–9

The comprehension of metaphorical uses of English by deaf children. Iran-Nejad A, et al. **J Speech Hear Res** 1981 Dec; 24(4):551–6

Analytic study of the Tadoma method: identification of consonants and vowels by an experienced Tadoma user. Reed CM, et al. **J Speech Hear Res** 1982 Mar;25(1):108–16

Behavioral problems in deaf children: methodologic and theoretical considerations. Liptak GS, et al. **JDBP** 1981 Mar;2(1):9–14

Total deafness. Davis CM. **Lancet** 1982 Aug 14;2(8294):375–6

Use of grammatical constraints in reading by young deaf adults as reflected in eye-voice span. Cooley JD. **Lang Speech** 1981 Dec;24(Pt 4):349–62

The effect of context on the intelligibility of hearing and deaf children's speech. McGarr NS. **Lang Speech** 1981 Jul–Sep;24(PT 3):255–64

Classroom teachers' impressions of hearing impaired and deaf children. Blood IM, et al. **Percept Mot Skills** 1982 Jun; 54(3):877–8

Identification of nonlinear controls in a developmental model of motor speech in hearing and deaf children. Waldron MB. **Percept Mot Skills** 1982 Feb;54(1):3–10

Application of the metapsychological profile to the assessment of deaf children. Brinich PM. **Psychoanal Study Child** 1981;36:3–32

Parents' perceptions of father's involvement with hearing-impaired children. McNeil M, et al. **Psychol Rep** 1981 Dec;49(3):803–6

Differences between deaf and hearing adults in task-related EEG asymmetries. Suter S. **Psychophysiology** 1982 Mar; 19(2):124–8

Language and problem solving ability: a comparison between deaf and hearing adolescents. Tellevik JM. **Scand J Psychol** 1981;22(2):97–100

Deaf not daft: the deaf in mental subnormality hospitals. Williams C. **Spec Educ Forward Trends** 1982 Jun;9(2):26–8

[Concept of order in a hearing-impaired child. Studies of space representations of children] Vinter S. **Folia Phoniatr (Basel)** 1981;33(3):151–60 (Eng. Abstr.) **(Fre)**

[Psychogenic hearing disorder. Evidence of the importance of cooperation between the physician and the pedagogue] Bonner-Leonardy B. **HNO** 1981 Dec;29(12):422 **(Ger)**

REHABILITATION

Roster of members of the Convention of American Instructors of the Deaf 1981. **Am Ann Deaf** 1981 Aug; 126(5):540–55

Roster of educators of the deaf 1982. **Am Ann Deaf** 1982 Apr;127(2):249–77

Supportive and rehabilitation programs and services. **Am Ann Deaf** 1982 Apr;127(2):193–245

Assessment of multiply handicapped deaf students for program development. Arkell C. **Am Ann Deaf** 1981 Aug; 126(5):526–32

The magic carpet: language-drama in everyday life. Barbara Louise Sister. **Am Ann Deaf** 1982 Feb;127(1):10–1

Group psychotherapy with deaf adolescents. Bonham HE, et al. **Am Ann Deaf** 1981 Oct;126(7):806–9

Towards a theory of use for signed English: from birth through adulthood. Bornstein H. **Am Ann Deaf** 1982 Feb; 127(1):26–31

Teaching young deaf people: an instructional strategy. DeCaro JJ, et al. **Am Ann Deaf** 1981 Oct;126(7):853–9

Speechreading skills of young normal hearing and deaf children. Green KW, et al. **Am Ann Deaf** 1981 Aug; 126(5):505–9

Report of communication method usage by teachers of deaf-blind children—Part IV. Jensema CK. **Am Ann Deaf** 1981 Oct;126(7):798–801

A preliminary description of the control of interaction in classrooms using manual communication. Kluwin TN. **Am Ann Deaf** 1981 Aug;126(5):510–4

A model for providing comprehensive speech services within a total communication program for the deaf. Miller MS. **Am Ann Deaf** 1981 Oct;126(7):803–5

Can deaf children acquire English? An evaluation of manually coded English systems in terms of the principles of language acquisition. Mitchell GS. **Am Ann Deaf** 1982 Jun;127(3):331–6

The effect of three communication modes on reading scores of deaf subjects. Ouellette SE, et al. **Am Ann Deaf** 1982 Jun;127(3):361–4

Metric education in schools for the deaf—are we ready? Robinson VJ. **Am Ann Deaf** 1981 Aug;126(5):533–5

Helping the deaf community college student improve his reading skills. Rompf SA. **Am Ann Deaf** 1981 Oct; 126(7):825–8

Future directions in the education of deaf-blind multihandicapped children and youth. Tweedie D, et al. **Am Ann Deaf** 1981 Oct;126(7):829–34

Successful psychotherapy with a deaf-mute patient [letter] Solomon JG. **Am J Psychiatry** 1981 Dec;138(12):1635–6

Cochlear implant prostheses: strategies and progress. Merzenich MM, et al. **Ann Biomed Eng** 1980;8(4–6):361–8 (21 ref.)

Risk versus benefit in cochlear implantation. Berliner KI. **Ann Otol Rhinol Laryngol [Suppl]** 1982 Mar–Apr;91(2 Pt 3 Suppl 91):90–8

The cochlear implant program: an overview. Berliner KI, et al. **Ann Otol Rhinol Laryngol [Suppl]** 1982 Mar–Apr;91(2 Pt 3 Suppl 91):11–4

Initial experience with the cochlear implant in children. Eisenberg LS, et al. **Ann Otol Rhinol Laryngol [Suppl]** 1982 Mar–Apr;91(2 Pt 3 Suppl 91):67–73

Audiological results with the cochlear implant. Thielemeir MA, et al. **Ann Otol Rhinol Laryngol [Suppl]** 1982 Mar–Apr;91(2 Pt 3 Suppl 91):27–34

Interim assessment of candidates for cochlear implants. Owens E, et al. **Arch Otolaryngol** 1982 Aug;108(8):478–83

Teaching vowel articulation with the computer vowel trainer. Methodology and results. Brooks S, et al. **Br J Audiol** 1981 Aug;15(3):151–63

A feasibility trial of a bureau-based telephone service for the deaf. Grossfield K, et al. **Br J Audiol** 1982 Feb; 16(1):27–38

Field trials of a tactile acoustic monitor for the profoundly deaf. Summers IR, et al. **Br J Audiol** 1981 Aug;15(3):195–9

Clinical applications of and experiences with a portable, unlimited text-to-speech synthesizer. Rahko KT, et al. **Ear Hear** 1981 Jul–Aug;2(4):177–9

Rehabilitation of the hearing impaired. Communication.

Ridley DC. **Ear Nose Throat J** 1981 Dec;60(12):588–91
Hearing-ear-dog legislation: state of the art. Clay JE. **Except Child** 1981 Nov;48(3):224–9
Major developments and trends in deafness. Vernon M, et al. **Except Child** 1981 Nov;48(3):254–6
Rehabilitation of deaf children. Ghosh P. **Indian J Pediatr** 1981 Nov–Dec;48(395):721–5
Effects of environmental noise on the selective hearing abilities of normal and partially deaf subjects, and on experimental animals. Opitz HJ, et al. **Int J Rehabil Res** 1981;4(2):222–3
Development of a Communication Skills Profile. Schlesinger H, et al. **Int J Rehabil Res** 1981;4(2):221
Training teachers in generalized writing of behavior modification programs for multihandicapped deaf children. Hundert J. **J Appl Behav Anal** 1982 Spring;15(1):111–22
A wearable tactile sensory aid for profoundly deaf children. Saunders FA, et al. **J Med Syst** 1981;5(4):265–70
New ears for old: auditory implants and frequency transposing hearing aids. Velmans ML. **J R Coll Physicians Lond** 1982 Apr;16(2):83–8
Cochlear implants [editorial] **Lancet** 1982 Jan 2;1(8262):28
Results following cochlear implantation and rehabilitation. Engelmann LR, et al. **Laryngoscope** 1981 Nov; 91(11):1821–33
The cochlear implant--Oklahoma group experience to date. Hough J, et al. **Laryngoscope** 1982 Aug;92(8 Pt 1):863–72
Four years of experience with cochlear prostheses. Hochmair-Desoyer IJ, et al. **Med Prog Technol** 1981; 8(3):107–19
The implications of early detection and pre-school habilitation of the hearing-impaired child. With special reference to the Provincial Paedo-audiological Centre, Tygerberg Hospital. du Toit CJ. **S Afr Med J** 1981 Nov 28;60(22):851–5
[Electrical stimulation of the middle ear in total deafness: results in 375 cases (author's transl)] Chouard CH, et al. **Ann Otolaryngol Chir Cervicofac** 1982;99(1–2):15–22 (Eng. Abstr.) **(Fre)**
[On the improvement of discrimination of vibration stimuli by training in late aquired deafness (author's transl)] Schultz-Coulon HJ, et al. **HNO** 1982 Mar;30(3):96–100 (Eng. Abstr.) **(Ger)**
[Tissue reaction with platinum-iridium insulated electrodes (author's transl)] Theopold HM, et al. **Laryngol Rhinol Otol (Stuttg)** 1981 Oct;60(10):534–7 (Eng. Abstr.) **(Ger)**

SURGERY

Cochlear implants: an auditory prosthesis for the deaf. Miyamoto RT, et al. **J Indiana State Med Assoc** 1982 Mar; 75(3):174–7
Electronic hearing'draws mixed reviews [news] Burke B. **JAMA** 1982 Apr 23;247(16):2204–5
[Multiple electrode cochlear implants : clinical results (author's transl)] Chouard CH, et al. **Ann Otolaryngol Chir Cervicofac** 1981;98(12):593–612 (Eng. Abstr.) **(Fre)**
[Massive fluid leakage in surgery for deafness] Belkahia A, et al. **J Fr Otorhinolaryngol** 1981 Sep;30(7):445–51 **(Fre)**

THERAPY

Electrical stimulation of hearing by implanted cochlear electrodes in humans. Spillmann T, et al. **Appl Neurophysiol** 1982;45(1–2):32–7
Severe deafness in systemic lupus erythematosus: its immediate relief by plasma exchange. Hamblin TJ, et al. **Br Med J [Clin Res]** 1982 May 8;284(6326):1374
Evaluation of acupuncture treatment for sensorineural deafness and deafmutism based on 20 years' experience. Liu Q, et al. **Chin Med J [Engl]** 1982 Jan;95(1):21–4
Unproved remedies for treating the deaf. Fairbanks DN. **Ear Nose Throat J** 1981 Nov;60(11):530–42 (81 ref.)
Non-verbal hypnotic techniques in a centrally deaf brain-damaged patient. Gravitz MA. **Int J Clin Exp Hypn** 1981 Apr;29(2):110–6
Sudden sensori-neural hearing loss treated by carbon dioxide and oxygen inhalation. A preliminary study. Bahgat MS, et al. **J Laryngol Otol** 1982 Jan;96(1):73–81
[Evaluation of acupuncture treatment for sensorineural deafness and deaf-mutism based on 20 years' experience (author's transl)] Deng YC. **Chung Hua I Hsueh Tsa Chih** 1981 Nov;61(11):657–60 (Eng. Abstr.) **(Chi)**
[Logopedic care for persons with hearing defects in Denmark] Bazarov VG, et al. **Vestn Otorinolaringol** 1981 Sep–Oct;(5):85–9 **(Rus)**

VETERINARY

Variability of the hereditary deafness in the white cat. II. Histology. Rebillard M, et al. **Hear Res** 1981 Nov; 5(2–3):189–200
Variability of the hereditary deafness in the white cat. I. Physiology. Rebillard M, et al. **Hear Res** 1981 Nov; 5(2–3):179–87

DEAFNESS, PARTIAL see **HEARING LOSS, PARTIAL**

DEAFNESS, SENSORINEURAL see **DEAFNESS**

DEAFNESS, SUDDEN

CHEMICALLY INDUCED

Drug-induced sudden hearing loss and vestibular disturbances. Federspil P. **Adv Otorhinolaryngol** 1981; 27:144–58 (48 ref.)

COMPLICATIONS

Tinnitus and deafness of sudden onset: electrocochleographic findings in 100 patients. Graham JM. **J Laryngol Otol [Suppl]** 1981;(4):111–6

DIAGNOSIS

[Double-sided central hearing-loss owing to bitemporal infarct of brain (author's transl)] Meissner R. **HNO** 1981 Aug;29(8):282–4 (Eng. Abstr.) **(Ger)**
[Sudden deafness as the first symptom of acoustic nerve tumor] Sekula J, et al. **Otolaryngol Pol** 1981;35(3):233–7 (Eng. Abstr.) **(Pol)**

DRUG THERAPY

Sudden hearing loss. Milner RM, et al. **Am J Otol** 1982 Apr; 3(4):375–8
[Venous perfusion with nicergoline in the treatment of sudden deafness] Gratacap B. **J Fr Otorhinolaryngol** 1982 Jan;31(1):65–7 **(Fre)**
[Treatment of sudden deafness] Schätzle W, et al. **J Fr Otorhinolaryngol** 1981 Oct;30(8):495–9 **(Fre)**
[Experiences in therapy of acute labyrinthine deafness with low-molecular dextran, pentoxifyllin and nicotinic acid (author's transl)] Wissen I, et al. **Laryngol Rhinol Otol (Stuttg)** 1981 Jul;60(7):361–3 (Eng. Abstr.) **(Ger)**
[Treatment of sudden deafness with increasing doses of sadamine] Bętkowski A, et al. **Wiad Lek** 1981 Jul 15; 34(14):1165–74 (Eng. Abstr.) **(Pol)**

ETIOLOGY

Sudden deafness and vertigo in children and juveniles. Berg M, et al. **Adv Otorhinolaryngol** 1981;27:70–82
Sudden hearing loss: a clinical survey. Feldmann H. **Adv Otorhinolaryngol** 1981;27:40–69
Sudden deafness due to infection by Mycoplasma pneumoniae. Shanon E, et al. **Ann Otol Rhinol Laryngol** 1982 Mar–Apr;91(2 Pt 1):163–5
Sudden hearing loss associated with cochlear membrane rupture. Two human temporal bone reports. Gussen R. **Arch Otolaryngol** 1981 Oct;107(10):598–600
The round window in acute hearing loss. Sekula J, et al. **Audiology** 1982;21(1):55–60
Sudden sensorineural hearing loss: operative complication in non-otologic surgery. Millen SJ, et al. **Laryngoscope** 1982 Jun;92(6 Pt 1):613–7
[Acoustico-facial syndrome due to bronchial carcinoma (author's transl)] Martin H, et al. **Ann Otolaryngol Chir Cervicofac** 1981;98(4–5):225–7 (Eng. Abstr.) **(Fre)**
[Sudden deafness following a scratch-induced benign lymphoreticulosis (author's transl)] Ammar-Khodja A. **Rev Laryngol Otol Rhinol (Bord)** 1982;103(1):63 (Eng. Abstr.) **(Fre)**
[Rupture of the round window - a cause of sudden hearing loss (author's transl)] Schüssler U, et al. **Laryngol Rhinol Otol (Stuttg)** 1982 Apr;61(4):207–10 (Eng. Abstr.) **(Ger)**
[Emergencies in general medicine (24). Sudden deafness] Feldmann H. **ZFA (Stuttgart)** 1982 Jun 30;58(18):1023–4 **(Ger)**
[Sudden deafness of unclear etiology (lipids level examinations in blood serum) (author's transl)] Pruszewicz A, et al. **Otolaryngol Pol** 1982;36(2–3):155–60 (Eng. Abstr.) **(Pol)**

MICROBIOLOGY

[Possible viral etiology of inner ear diseases (author's transl)] Hamann KF. **Laryngol Rhinol Otol (Stuttg)** 1981 Nov; 60(11):591–2 (Eng. Abstr.) **(Ger)**

PATHOLOGY

Demyelinating disease as the assumed cause of hearing loss and vertigo. A case report with light- and electron-microscopic findings. Ylikoski J, et al. **Arch Otorhinolaryngol** 1981;230(2):161–70

PHYSIOPATHOLOGY

Sudden loss of cochlear and vestibular function. **Adv Otorhinolaryngol** 1981;27:1–197
Electrophysiological findings in patients with sudden deafness: a survey. Hoke M, et al. **Adv Otorhinolaryngol** 1981;27:83–99 (56 ref.)

PSYCHOLOGY

Personality system and sudden deafness: a comparative psychological study. Dohse J, et al. **Adv Otorhinolaryngol** 1981;27:110–3

REHABILITATION

Rehabilitation of the suddenly deafened adult. Ramsden RT. **Ear Nose Throat J** 1981 Dec;60(12):577–81

DEAMINATION

Affinity labeling via deamination reactions. Sinnott ML. **CRC Crit Revbiochem** 1982 Apr;12(4):327–72 (157 ref.)

DEANOL see under **ETHANOLAMINES**

DEATH

see related
ATTITUDE TO DEATH
HOMICIDE
MORTUARY PRACTICE
TERMINAL CARE

Parental loss and reported childhood stress in young women who attempt suicide. Goldney RD. **Acta Psychiatr Scand** 1981 Jul;64(1):34–47
Adolescence, mourning, and creativity. Shaw JA. **Adolesc Psychiatry** 1981;9:60–77
Treatment of a phobia for dead birds: a case report. van der Hart O. **Am J Clin Hypn** 1981 Apr;23(4):263–5
The psychiatrist and violent death investigation. Danto BL. **Am J Forensic Med Pathol** 1982 Mar;3(1):29–33
Legislative arena: definition of death. Chianchiano DR. **Am J Kidney Dis** 1982 May;1(6):394–5
Death and I. Groff B. **Am J Nurs** 1982 Jul;82(7):1080–4
The treatment of unresolved grief following loss of an infant. Turco R. **Am J Obstet Gynecol** 1981 Nov 1;141(5):503–7
Effects of field size when using Kerley's histological method for determination of age at death. Stout SD, et al. **Am J Phys Anthropol** 1982 Jun;58(2):123–5
Definition of death [letter] Bernat JL, et al. **Ann Intern Med** 1981 Nov;95(5):652
Abnormal grief--the problem of therapy. Hodgkinson PE. **Br J Med Psychol** 1982 Mar;55(Pt 1):29–34
Imposed termination of psychotherapy and its relation to death and mourning. Parsons M. **Br J Med Psychol** 1982 Mar;55(Pt 1):35–40
Anticipatory grief [letter] Fulton R, et al. **Br J Psychiatry** 1981 Jul;139:79–80
Couples facing death. I–Psychosocial aspects. Stedeford A. **Br Med J [Clin Res]** 1981 Oct 17;283(6298):1033–6
Guidelines for the determination of death. Report of the medical consultants on the diagnosis of death to the President's Commission for the Study of Ethical Problems in Medicine and Biomedical and Behavioral Research. **Conn Med** 1982 Apr;46(4):207–10
Uniform determination of Death Act. **Conn Med** 1982 May; 46(5):259–60
Guidelines for the determination of death. Report of the medical consultants on the diagnosis of death to the President's Commission for the Study of Ethical Problems in Medicine and Biomedical and Behavioral Research. **Crit Care Med** 1982 Jan;10(1):62–4
The ethics of cardiopulmonary resuscitation: another look. Gillick M. **Ethics Sci Med** 1980;7(3–4):161–9
Lingering terminal illness and family: insights from literature. Bertman SL. **Fam Process** 1980 Dec;19(4):341–8
Defining death in theory and practice. Bernat JL, et al. **Hastings Cent Rep** 1982 Feb;12(1):5–8
Psychosocial factors affecting adaptation to bereavement in the elderly. Gallagher DE, et al. **Int J Aging Hum Dev** 1981–82;14(2):79–95 (54 ref.)
Narcissism and the death instinct. Fayek A. **Int J Psychoanal** 1981;62(3):309–22
Death and its effects on the family household: implications thereof within a Japanese pioneer agricultural community in the eastern lowlands of Bolivia. Kashiwazaki H, et al. **J Hum Ergol (Tokyo)** 1980 Sep;9(1):3–13
Death--a new definition. Gregory DR. **J Leg Med (Chicago)** 1981 Dec;2(4):491–500
Thanatology [letter] Aromas R. **J Med Educ** 1981 Nov; 56(11):931–2
Validity of biorhythms for predicting death. Bradshaw CW Jr. **J Psychol** 1982 Jan;110(1st Half):39–41
Death education within health education: current status, future directions. Crase D. **J Sch Health** 1981 Dec; 51(10):646–50
The death of a classmate: a teacher's experience dealing with tragedy in the classroom. Evans BJ. **J Sch Health** 1982 Feb;52(2):104–7
Consciousness of dying and projective fantasy of young children with malignant disease. Malone MM. **JDBP** 1982 Jun;3(2):55–60
Automated estimation of time of death in rats by continuous temperature recording. Jones PA. **Lab Anim** 1982 Apr; 16(2):119–22
The adult with cancer: in preparation for death. Krant MJ. **Med Times** 1981 Aug;109(8):15s–31s
Our leading cause of preventable death. Douglass BE. **Minn Med** 1981 Nov;64(11):660
Loss of a pet: significance to the owner, implications for the nurse. Cowles KV. **Nurs Forum** 1980;19(4):372–7
An experimental attempt at analysis of predisposing factors for acute death from endogenous causes. Separation and culture of lymphocytes from human cadaver thymus. Higuchi T. **Osaka City Med J** 1980;26(2):97–109
The trans-science aspects of disease and death. Kothari ML,

et al. **Perspect Biol Med** 1981 Summer;24(4):658–66
Dying, regression, and the death instinct. Lowental U. **Psychoanal Rev** 1981 Fall;68(3):363–70
Grief reactions to perinatal death: an exploratory study. LaRoche C, et al. **Psychosomatics** 1982 May;23(5):510–1, 514, 516–8
A uniform determination of death act [editorial] Welch PT. **RI Med J** 1982 Mar;65(3):103–4
Defining death [letter] Capron AM, et al. **Science** 1982 Feb 5;215(4533):612
Acute grief. Rabin PL, et al. **South Med J** 1981 Dec; 74(12):1468–70
Facing sickness and death. Brown TF. **Spec Educ Forward Trends** 1982 Mar;9(1):12
Terms for life in Homer: an examination of early concepts in psychology. McDonald M. **Trans Stud Coll Physicians Phila** 1982 Mar;4(1):26–58
[A microwave unit for killing experimental animals] Lu CH, et al. **Chung Kuo I Hsueh Ko Hsueh Yuan Hsueh Pao** 1981 Dec;3(4):219–25 (Eng. Abstr.) **(Chi)**
[At life's end] Daugaard J. **Ugeskr Laeger** 1981 Jun 15; 143(25):1615–6 **(Dan)**
[The cause of death from an individual pathological viewpoint] Leiss J. **Dtsch Med Wochenschr** 1982 Jul 9; 107(27):1069–72 **(Ger)**
[Caesarean section in a dead women (author's transl)] Meinert J. **Geburtshilfe Fraunheilkd** 1982 Apr;42(4):310–2 (Eng. Abstr.) **(Ger)**
[Dying today] Blumenthal-Barby K, et al. **Sante Publique (Bucur)** 1981;24(1):97–103 (Eng. Abstr.) **(Ger)**
[Limits of resuscitation. I. Thanatophysiologic and therapeutic limits] Schneider D. **Z Gesamte Inn Med** 1981 May 15;36(10):305–10 (32 ref.) (Eng. Abstr.) **(Ger)**
[Estimation of death-time by computing the rectal body cooling under various cooling conditions (author's transl)] Henssge C. **Z Rechtsmed** 1981;87(3):147–78 (Eng. Abstr.) **(Ger)**
[Thoughts about death] Białowąs M. **Wiad Lek** 1981 Sep 15; 34(18):1581–3 **(Pol)**
[Causes of death in cicatricial esophageal obstruction] Sapozhnikov MA. **Arkh Patol** 1982;44(1):59–63 (Eng. Abstr.) **(Rus)**
[Determination of the time of death of animals in assessing the toxicity of the products of materials combustion] Ilichkin VS, et al. **Gig Tr Prof Zabol** 1981;(12):57–8 **(Rus)**
[Trends in using entomological and botanical methods for establishing the time of death] Marchenko MI. **Sud Med Ekspert** 1982 Apr-Jun;25(2):29 **(Rus)**

DEATH CERTIFICATES

Completeness of infant death registration for very low birthweight infants: Washington State 1978–79. Frost F, et al. **Am J Public Health** 1982 Jul;72(7):740–1
Disagreement among general practitioners regarding cause of death. Gau DW, et al. **Br Med J [Clin Res]** 1982 Jan 23;284(6311):239–41
Brodrick exhumed again (editorial)] Knight B. **Br Med J [Clin Res]** 1982 Aug 7;285(6339):393–4
Mortality data analysis using a multiple-cause approach. Goodman RA, et al. **JAMA** 1982 Feb 12;247(6):793–6
Querying death certificate diagnoses [letter] Bond GG, et al. **JOM** 1982 Jan;24(1):10
Death certification from the epidemiological point of view. Cochrane AL, et al. **Lancet** 1981 Oct 3;2(8249):742–3
Pathologists not told about diabetes [letter] Jarrett RJ, et al. **Lancet** 1982 Apr 10;1(8276):863–4
Increased mortality among persons with rheumatoid arthritis, but where RA does not appear on death certificate. Eleven-year follow-up of an epidemiological study. Allebeck P, et al. **Scand J Rheumatol** 1981;10(4):301–6
Problems in a statistical study of disease based on death certificates. Rigdon RH. **South Med J** 1981 Sep; 74(9):1104–6, 1111
[Mortality data as a starting point in the measurement of the health status of the general population] Holčík J. **Cesk Zdrav** 1982 Feb;30(2):61–8 (Eng. Abstr.) **(Cze)**
[Proposal for the assessment of an adverse reaction responsibility in death (author's transl)] Evreux JC, et al. **Therapie** 1981 May-Jun;36(3):249–54 (Eng. Abstr.) **(Fre)**
[Death certificates and confidentiality of the public health service physician] Naser S. **Off Gesundheitswes** 1982 Apr; 44(4):226–9 **(Ger)**
[Evaluation of the correct filling out of death certificates: Brasilia, DF (Brazil), 1977–78] Pereira MG, et al. **Rev Saude Publica** 1981 Feb;15(1):14–9 (Eng. Abstr.) **(Por)**

DEATH PENALTY see **CAPITAL PUNISHMENT**

DEATH RATE see **MORTALITY**

DEATH, SUDDEN

see related
RESUSCITATION

Sudden death in epilepsy. A comprehensive review of the literature and proposed mechanisms. Jay GW, et al. **Acta Neurol Scand [Suppl]** 1981;82:1–66 (132 ref.)
The necessity of a uniform definition of sudden coronary death: witnessed death within 1 hour of the onset of acute symptoms. Goldstein S. **Am Heart J** 1982 Jan;103(1):156–9
Definition of sudden coronary death [letter] Kayser KL. **Am Heart J** 1982 Sep;104(3):649
Management of patients at high risk of sudden death. Lown B. **Am Heart J** 1982 Apr;103(4 Pt 2):689–97
Evaluation of postresuscitation left ventricular global and segmental function by radionuclide ventriculography in sudden coronary death survivors of prehospital cardiac arrest: Correlation to subsequent short-term prognosis. Ptacin MJ, et al. **Am Heart J** 1982 Jan;103(1):54–6
Selection of an antiarrhythmic drug for a sudden-death-prevention trial. Woosley RL, et al. **Am Heart J** 1982 Apr;103(4 Pt 2):737–45
Prediction of sudden death by electrophysiologic studies in high risk patients surviving acute myocardial infarction. Hamer A, et al. **Am J Cardiol** 1982 Aug;50(2):223–9
Unexplained deaths in refugees newly arrived in America. Eckert WG. **Am J Forensic Med Pathol** 1981 Jun;2(2):185–6
Mental stress, arrhythmias and sudden death. Lown B. **Am J Med** 1982 Feb;72(2):177–80
In praise of sudden death. Greenberg H. **Ann NY Acad Sci** 1982;382:181–2
Sudden death in hypertrophic cardiomyopathy: a profile of 78 patients. Maron BJ, et al. **Circulation** 1982 Jun; 65(7):1388–94
A study of the inheritance pattern of Romano-Ward syndrome. Prolonged Q-T interval, syncope, and sudden death. Itoh S, et al. **Clin Pediatr (Phila)** 1982 Jan;21(1):20–4
Reliability of serial 24 h ambulatory electrocardiography in predicting cardiac death after myocardial infarction. Møller M. **Eur Heart J** 1982 Feb;3(1):67–74
Sudden death associated with atherosclerosis in a gorilla. Gray R, et al. **J Am Vet Med Assoc** 1981 Dec 1; 179(11):1306–7
Effect of inhibition of platelet function with carbenicillin or aspirin on experimental canine sudden death. Johnson GJ, et al. **J Lab Clin Med** 1981 Nov;98(5):660–72
Bee-sting diseases: Who is at risk? What is the treatment? Rubenstein HS. **Lancet** 1982 Feb 27;1(8270):496–9
Prevention of recurrent sudden death [editorial] Rapaport E. **N Engl J Med** 1982 Jun 3;306(22):1359–60
Sudden Death. Guerci A. **West J Med** 1980 Oct; 133(4):313–20
[Sudden death in a patient with Turner's syndrome] Herva R, et al. **Duodecim** 1981;97(13):957–9 (Eng. Abstr.) **(Fin)**
[Morphologic changes in the myocardium following acute blood loss and subsequent resuscitation] Eskunov PN, et al. **Arkh Anat Gistol Embriol** 1982 Jan;82(1):53–8 (Eng. Abstr.) **(Rus)**
[Pathophysiologic and morphologic study of the central nervous system following prolonged clinical death] Shikunova LG, et al. **Patol Fiziol Eksp Ter** 1981 May-Jun; (3):14–8 (Eng. Abstr.) **(Rus)**
[Pathomorphology of the pericardial microcirculatory bed following sudden death from ischemic heart disease] Sinel'shchikov VV, et al. **Sud Med Ekspert** 1982 Jan-Mar; 25(1):33–5 **(Rus)**
[Fatty acid composition of lipid fractions of arterial walls, blood plasma and adipose tissue after sudden death from coronary disease] Aptekar' SG, et al. **Vopr Med Khim** 1981; 27(4):514–8 (Eng. Abstr.) **(Rus)**

ETIOLOGY

Magnesium in atherosclerotic cardiovascular disease and sudden death. Singh RB, et al. **Acta Cardiol (Brux)** 1981; 36(6):411–29
QT interval in relation to ventricular arrhythmias and sudden cardiac death in postmyocardial infarction patients. Møller M. **Acta Med Scand** 1981;210(1–2):73–7
The immediate antecedents of sudden death. Hinkle LE Jr. **Acta Med Scand [Suppl]** 1981;651:207–17
Water hardness, myocardial metal concentrations, and sudden coronary death [letter] Chipperfield B. **Am Heart J** 1982 Jun;103(6):1085–6
Fatal cardiac complications of Wilson's disease. Kuan P. **Am Heart J** 1982 Aug;104(2 Pt 1):314–6
Sudden death in aortic stenosis monitored by ear densitographic pulse and ECG. Nikolic G, et al. **Am Heart J** 1982 Aug;104(2 Pt 1):311–2
Massive lidocaine overdose [letter] Pearl WR. **Am Heart J** 1982 Jun;103(6):1083
Sudden death while playing professional football. Roberts WC, et al. **Am Heart J** 1981 Dec;102(6 Pt 1):1062–3
Relation of myocardial magnesium deficiency to sudden death in ischemic heart disease [letter] Singh RB, et al. **Am Heart J** 1982 Mar;103(3):449–50
Can we prevent sudden cardiac death? Horowitz LN, et al. **Am J Cardiol** 1982 Sep;50(3):535–8
Clinical characteristics of patients with variant angina complicated by myocardial infarction or death within 1 month. Waters DD, et al. **Am J Cardiol** 1982 Mar; 49(4):658–64
Sudden unexpected death in women: biologic and psychosocial origins. Talbott E, et al. **Am J Epidemiol** 1981 Nov;114(5):671–82
A case of sudden and unexpected death due to idiopathic hypertrophic cardiomyopathy in the elderly. Giusti GV, et al. **Am J Forensic Med Pathol** 1981 Jun;2(2):129–33
Sudden death associated with thyroid hormone abuse. Bhasin S, et al. **Am J Med** 1981 Nov;71(5):887–90
Nontraumatic death in joggers. A series of 30 patients at autopsy. Virmani R, et al. **Am J Med** 1982 Jun;72(6):874–82
A fatality during haloperidol treatment: mechanism of sudden death. Modestin J, et al. **Am J Psychiatry** 1981 Dec; 138(12):1616–7
Acute toxicosis of budgerigars (Melopsittacus undulatus) caused by pyrolysis products from heated polytetrafluoroethylene: clinical study. Wells RE, et al. **Am J Vet Res** 1982 Jul;43(7):1238–42
Colloid cyst of the third ventricle and sudden death. McDonald JA. **Ann Emerg Med** 1982 Jul;11(7):365–7
Sudden coronary death. **Ann NY Acad Sci** 1982;382:1–484
Valve of early thallium-201 scintigraphy and gated blood pool imaging for predicting mortality in patients with acute myocardial infarction. Becker LC, et al. **Ann NY Acad Sci** 1982;382:450–64
Drugs and sudden cardiac death. Bigger JT Jr, et al. **Ann NY Acad Sci** 1982;382:229–37 (44 ref.)
Sudden coronary death: a look to the future. Bigger JT Jr. **Ann NY Acad Sci** 1982;382:474–81
Community-based cardiopulmonary resuscitation: what have we learned? Cobb LA, et al. **Ann NY Acad Sci** 1982; 382:330–42
The role of platelets in the genesis of ischemia. Colman RW. **Ann NY Acad Sci** 1982;382:190–203
The role of organized medicine in providing education about cardiopulmonary resuscitation. Crampton R. **Ann NY Acad Sci** 1982;382:324–9
Exercise conditioning soon after myocardial infarction: effects on myocardial perfusion and ventricular function. DeBusk RF, et al. **Ann NY Acad Sci** 1982;382:343–54 (29 ref.)
Central nervous system risk factors for sudden cardiac death. DeSilva RA. **Ann NY Acad Sci** 1982;382:143–61 (80 ref.)
The patient with coronary artery disease without infarction: can a high-risk group be identified? Eriksson J, et al. **Ann NY Acad Sci** 1982;382:438–49
Intraoperative mapping and surgery for the prevention of lethal arrhythmias after myocardial infarction. Fontaine G, et al. **Ann NY Acad Sci** 1982;382:396–410
Short-term risk factors for sudden death. Hinkle LE Jr. **Ann NY Acad Sci** 1982;382:22–38
Antiplatelet agents: their role in the prevention of sudden death. Hirsh J. **Ann NY Acad Sci** 1982;382:289–304 (135 ref.)
Beta blocking agents: current status in the prevention of sudden coronary death. Hjalmarson A. **Ann NY Acad Sci** 1982;382:305–23 (36 ref.)
Surgery for recurrent sustained ventricular tachycardia associated with coronary artery disease: the role of subendocardial resection. Josephson ME, et al. **Ann NY Acad Sci** 1982;382:381–95
Large-scale clinical trials: are they worth the cost? Levy RI, et al. **Ann NY Acad Sci** 1982;382:411–22
Role of coronary arterial spasm in sudden coronary ischemic death. Maseri A, et al. **Ann NY Acad Sci** 1982;382:204–17 (42 ref.)
Implantable automatic defibrillators: their potential in prevention of sudden coronary death. Mirowski M, et al. **Ann NY Acad Sci** 1982;382:371–80
The chronology and suddenness of cardiac death after myocardial infarction. Moss AJ, et al. **Ann NY Acad Sci** 1982;382:465–73
Sudden cardiac death: role of left ventricular dysfunction. Pitt B. **Ann NY Acad Sci** 1982;382:218–22 (9 ref.)
Pathologic changes in the cardiac conduction and nervous system in sudden coronary death. Rossi L. **Ann NY Acad Sci** 1982;362:50–68
Primary prevention of sudden coronary death: a community-based program in North Karelia, Finland. Salonen JT. **Ann NY Acad Sci** 1982;382:423–37
Collateral anatomy and blood flow: its potential role in sudden coronary death. Schaper W. **Ann NY Acad Sci** 1982; 382:69–75
Regulation of calcium in cardiac muscle. Schwartz A. **Ann NY Acad Sci** 1982;382:183–9
The role of the autonomic nervous system in sudden coronary death. Schwartz PJ, et al. **Ann NY Acad Sci** 1982; 382:162–80 (67 ref.)
Pharmacokinetic studies: their role in determining therapeutic efficacy of agents designed to prevent sudden death. Shand DG, et al. **Ann NY Acad Sci** 1982;382:238–46 (16 ref.)
The use of animal models in the study of the electrophysiology of sudden coronary deaths. Spear JF, et al. **Ann NY Acad Sci** 1982;382:78–89 (49 ref.)
Effect of infarct size limitation by propranolol on ventricular arrhythmias after myocardial infarction. Stewart JR, et al. **Ann NY Acad Sci** 1982;382:223–8 (15 ref.)
Prevention of ventricular fibrillation by use of low-intensity electrical stimuli. Verrier RL, et al. **Ann NY Acad Sci** 1982; 382:355–70
The role of intraventricular conduction disorders in precipitating sudden death. Wellens HJ, et al. **Ann NY Acad Sci** 1982;382:136–42
Clinical efficacy of antiarrhythmic drugs in prevention of sudden coronary death. Winkle RA. **Ann NY Acad Sci** 1982;382:247–57
Calcium antagonists and their potential role in the prevention of sudden coronary death. Zipes DP, et al. **Ann NY Acad Sci** 1982;382:258–88 (121 ref.)
Sudden natural death in later childhood and adolescence. Molander N. **Arch Dis Child** 1982 Aug;57(8):572–6
The coital coronary: A reassessment of the concept.

Derogatis LR, et al. **Arch Sex Behav** 1981 Aug;10(4):325–35
Hypomagnesemia and vasoconstriction: possible relationship to etiology of sudden death ischemic heart disease and hypertensive vascular diseases. Altura BM, et al. **Artery** 1981;9(3):212–31
Sudden death in a youth. A case of quadricuspid aortic valve with isolation of origin of left coronary artery. Kurosawa H, et al. **Br Heart J** 1981 Aug;46(2):211–5
The electrocardiogram in apparently healthy men and the risk of sudden death. Rabkin SW, et al. **Br Heart J** 1982 Jun;47(6):546–52
Sudden, unexpected death in sport [letter] Fentem PH. **Br J Sports Med** 1981 Jun;15(2):135
Relationship between ventricular arrhythmias detected by ambulatory ECG monitoring and subsequent sudden cardiac death. Stern Z, et al. **Cardiology** 1981;67(2):90–102
Running to death [letter] Bassler TJ. **Chest** 1982 Jun;81(6):772
Clinical classification of cardiac deaths. Hinkle LE Jr, et al. **Circulation** 1982 Mar;65(3):457–64
Sudden death recorded during Holter monitoring. Laniado S, et al. **Circulation** 1982 Jul;66(1):218–25
Clinical characteristics associated with sudden death in patients with variant angina. Miller DD, et al. **Circulation** 1982 Sep;66(3):588–92
Exercise and sudden death–part I. McManus BM, et al. **Curr Probl Cardiol** 1981 Dec;6(9):1–89
Exercise and sudden– part II. McManus BM, et al. **Curr Probl Cardiol** 1982 Jan;6(10):1–57
Sudden death in mitral valve prolapse: associated accessory atrioventricular pathways. Vesterby A, et al. **Forensic Sci Int** 1982 Mar–Apr;19(2):125–33
Sudden cardiac death during vigorous exercise. Haskell WL. **Int J Sports Med** 1982 Feb;3 Suppl 1:45–8
Sudden death: detecting the vulnerable ventricle by noninvasive methods. Weissler AM, et al. **J Lab Clin Med** 1981 Nov;98(5):654–9
Sudden death and physical exertion. Keren G, et al. **J Sports Med Phys Fitness** 1981 Mar;21(1):90–3
Sudden death and physical exertion. Zeppilli P, et al. **J Sports Med Phys Fitness** 1981 Sep;21(3):299–300
Mortality of joggers [editorial] Jones RJ. **JAMA** 1982 May 14;247(18):2569
An autopsied case of an elementary school boy with sudden death four years after Kawasaki disease: on the problem of present method of cardiac mass screening of school children. Tanimoto T, et al. **Jpn Circ J** 1981 Dec; 45(12):1438–42
Sudden death in cancer patient on high–dose domperidone [letter] Joss RA, et al. **Lancet** 1982 May 1;1(8279):1019
Sudden death during ambulatory electrocardiography [letter] Møller M, et al. **Lancet** 1981 Nov 14;2(8255):1117–8
A case report of 'drowning' in a bitumen tank. Singh B. **Med Sci Law** 1982 Jan;22(1):51–2
Sudden, unexpected, nocturnal deaths among Southeast Asian refugees. **MMWR** 1981 Dec 4;30(47):581–4, 589
Hypertension and sudden cardiac death. Anderson KR. **NZ Med J** 1982 Jan 27;95(700):33–4
Sudden death from occlusive disease of the atrioventricular node artery. Anderson KR, et al. **Pathology** 1981 Jul; 13(3):417–21
Sudden death and neuroleptics [letter] Craig TJ, et al. **Psychopharmacol Bull** 1982 Apr;18(2):2
Sudden death as a risk of neuroleptic treatment: (a continuing controversy). Leber P. **Psychopharmacol Bull** 1981 Jul; 17(3):6–9
Sudden death in asthmatics receiving beta–blockers [letter] Benatar SR, et al. **S Afr Med J** 1982 Aug 28;62(10):308–9
Spontaneous clostridial sepsis and sudden death. Andes WA. **South Med J** 1982 Mar;75(3):378–9
Sudden death in a young adult with anomalous origin of the posterior circumflex artery. Patterson FK. **South Med J** 1982 Jun;75(6):748–9
Beneficial effects of a new thromboxane synthetase inhibitor in arachidonate–induced sudden death. Lefer AM, et al. **Thromb Res** 1981 Aug 1;23(3):265–73
Experimental model of sudden cardiac death from unexplained cause. Suzuki T, et al. **Tohoku J Exp Med** 1982 Jul;137(3):315–23
[Liver steatosis and sudden, unexpected death] Piette M, et al. **Arch Belg Med Soc** 1981 May;39(5):306–14 (Eng. Abstr.) **(Dut)**
[Ventricular arrhythmias and sudden death: diagnostic, prognostic and therapeutic aspects] Van Durme JP. **Verh K Acad Geneeskd Belg** 1981;43(3):129–84 (Eng. Abstr.) **(Dut)**
[Unexpected sudden deaths (author's transl)] Barrillon A, et al. **Ann Cardiol Angeiol (Paris)** 1982 Mar–Apr;31(2):123–8 (Eng. Abstr.) **(Fre)**
['Sudden death during continuous electrocardiographic recording with the Holter method' (letter)] Cassagneau B. **Arch Mal Coeur** 1982 Jan;75(1):119–20 **(Fre)**
[The role of spasm in angina pectoris, myocardial infarction and sudden death. Indications for future research and treatment] Maseri A, et al. **Arch Mal Coeur** 1982 Jun; 75(6):701–16 (Eng. Abstr.) **(Fre)**
[Experimental sudden death models] Duchene–Marullaz P. **Bull Acad Natl Med (Paris)** 1981 May;165(5):619–25 (Eng. Abstr.) **(Fre)**
[Mitral valve prolapse syndrome. Two rare complications: sudden death, cerebral embolism] Dupasquier E, et al. **Schweiz Med Wochenschr** 1981 Jan 17;111(3):73–81 (Eng. Abstr.) **(Fre)**
[Sudden death after 'home electrotherapy'] Kósa F, et al. **Arch Kriminol** 1981 Jan–Feb;167(1–2):43–51 (Eng. Abstr.) **(Ger)**
[On a further apparent death in Baden–Württemberg] Stirner U. **Med Welt** 1981 Sep 25;32(39):1460 **(Ger)**
[Sudden death of a young athlete] Dietz A, et al. **MMW** 1981 Sep 25;123(39):1463–5 **(Ger)**
[Sudden death from natural causes among children of preschool and school age (author's transl)] Schulz E, et al. **MMW** 1981 Sep 25;123(39):1443–6 (Eng. Abstr.) **(Ger)**
[Sudden cardiac death due to conduction disorder. III. Is the so–called idiopathic AV block caused by a congenital abnormality?] Schneider J. **Schweiz Med Wochenschr** 1981 Jun 13;111(24):884–92 (Eng. Abstr.) **(Ger)**
[Sudden death caused by cancer of the larynx (author's transl)] Krajcsovics P, et al. **Z Rechtsmed** 1981; 87(1–2):129–32 **(Ger)**
[The sympathetic nervous system and sudden cardiac death] Schwartz PJ. **G Ital Cardiol** 1981;11(9):1191–7 (56 ref.) **(Ita)**
[On sudden death of adults. Study of 1901 autopsy cases in Turin (1949–1978)] Andrion A, et al. **Pathologica** 1982 Jan–Feb;74(1029):47–56 (27 ref.) (Eng. Abstr.) **(Ita)**
[Incidence and prognostic implication of repetitive ventricular premature contractions detected by Holter monitoring (author's transl)] Chino M, et al. **J Cardiogr** 1981 Dec;11(4):1215–22 (Eng. Abstr.) **(Jpn)**
[Sudden coronary death—a clinical and coronary arteriographic study (author's transl)] Tomotsune K, et al. **Kokyu To Junkan** 1982 Apr;30(4):435–40 **(Jpn)**
[A sudden death due to myocardial sarcoidosis 5 years after pacemaker implantation (author's transl)] Kohashi N, et al. **Nippon Kyobu Shikkan Gakkai Zasshi** 1981 Mar; 19(3):198–204 (Eng. Abstr.) **(Jpn)**
[The café coronary – foreign bodies in the upper respiratory tract as a cause of sudden unexpected death] Olving JH. **Tidsskr Nor Laegeforen** 1982 Jan 20;102(2):99–100 (Eng. Abstr.) **(Nor)**
[Viral lesions of the heart as a cause of sudden death] Prokhorova IA. **Arkh Patol** 1981;43(5):78–82 (80 ref.) (Eng. Abstr.) **(Rus)**
[Reflex arrest of the heart as a possible cause of death in blunt chest trauma] Kustanovich SD, et al. **Sud Med Ekspert** 1982 Apr–Jun;25(2):20–2 **(Rus)**
[Sudden death in ischemic heart disease, hypertension and arteriosclerosis and its dependence on meteorological factors in different regions of the USSR] Porksheian OKh, et al. **Sud Med Ekspert** 1982 Apr–Jun;25(2):23–6 **(Rus)**

OCCURRENCE

Alcohol and other discriminants between cases of sudden death and myocardial infarction. Fraser GE, et al. **Am J Epidemiol** 1981 Oct;114(4):462–76
Sudden coronary death: the Framingham Study. Kannel WB, et al. **Ann NY Acad Sci** 1982;382:3–21 (56 ref.)
Incidence of acute myocardial infarction and sudden coronary death in Rohtak City. Gupta SP, et al. **J Assoc Physicians India** 1981 May;29(5):365–72
Incidence of death during jogging in Rhode Island from 1975 through 1980. Thompson PD, et al. **JAMA** 1982 May 14; 247(18):2535–8
[Causes of early mortality in myocardial infarct] Beloev I, et al. **Vutr Boles** 1981;20(6):88–92 (Eng. Abstr.) **(Bul)**
[The frequency of sudden heart death in coronary heart disease] Steinbrunn W, et al. **Schweiz Med Wochenschr** 1981 Nov 7;111(45):1697–8 (Eng. Abstr.) **(Ger)**
[Sudden death from ischemic heart disease under the climatic conditions of regions of the Far North, western Siberia and Central Asia] Sinel'shchikov VV, et al. **Sud Med Ekspert** 1981 Jul–Aug;24(3):26–8 **(Rus)**

PATHOLOGY

Sudden death in Prinzmetal's angina with coronary spasm documented by angiography. Analysis of three necropsy patients. Roberts WC, et al. **Am J Cardiol** 1982 Jul; 50(1):203–10
Sudden and unexpected death in infancy and childhood: neuropathological findings. Ambler MW, et al. **Am J Forensic Med Pathol** 1981 Mar;2(1):23–30
Pathology on sudden coronary death. Newman WP 3d, et al. **Ann NY Acad Sci** 1982;382:39–49
Sudden unexpected death due to coronary giant cell arteritis. Cohle SD, et al. **Arch Pathol Lab Med** 1982 Apr; 106(4):171–2
Sudden death in young athletes. Tsung SH, et al. **Arch Pathol Lab Med** 1982 Apr;106(4):168–70
Sudden death and partial absence of the right ventricular myocardium: a report of three cases and a review of the literature. Virmani R, et al. **Arch Pathol Lab Med** 1982 Apr;106(4):163–7
Conduction tissue changes associated with enlarged membranous septum—a cause of sudden death? Smeeton WM, et al. **Br Heart J** 1981 Dec;46(6):636–42
Sudden death. Ellman JP. **Can J Psychiatry** 1982 Jun; 27(4):331–3
Effects of chronic hypertension and left ventricular hypertrophy on the incidence of sudden cardiac death after coronary artery occlusion in conscious dogs. Koyanagi S, et al. **Circulation** 1982 Jun;65(6):1192–7
Sudden death associated with asymmetric hypertrophy of the heart in a Nigerian. Odesanmi WO. **Trop Geogr Med** 1981 Jun;33(2):193–5
[Sudden death in children and adolescents, carriers of an unrecognized cystic medionecrosis of the aorta] Fête R, et al. **Schweiz Med Wochenschr** 1981 Nov 28; 111(48):1829–33 (Eng. Abstr.) **(Fre)**
[Sudden heart death] Doerr W. **Beitr Gerichtl Med** 1981; 39:1–25 **(Ger)**
[Endogenous and exogenous features of primary cardiomyopathies – causes of acute heart deaths] Kaduk B, et al. **Beitr Gerichtl Med** 1981;39:27–9 (Eng. Abstr.) **(Ger)**
[Acute heart death in James cardiomyopathy] Sander E, et al. **Beitr Gerichtl Med** 1981;39:335–8 (Eng. Abstr.) **(Ger)**
[False death cause – myocardial infarct] Unterdorfer H. **Beitr Gerichtl Med** 1981;39:387–91 (Eng. Abstr.) **(Ger)**
[Sudden child death in pulmonary hypertension as a result of chronic nightly hypoventilation] Wilske J, et al. **Beitr Gerichtl Med** 1981;39:429–35 (Eng. Abstr.) **(Ger)**
[Prinzmetal phenomenon and a rare coronary anomaly as infarct and death cause of a 45–year–old patient] Wojtyna W, et al. **Z Kardiol** 1982 Jan;71(2):106–11 (Eng. Abstr.) **(Ger)**
[Microrelief of the coronary artery intima in sudden death] Nechaeva ON, et al. **Arkh Patol** 1982;44(1):17–23 (Eng. Abstr.) **(Rus)**
[Histopathology and ultrastructure of focal myocardial injuries in sudden death from ischemic heart disease] Kapustin AV, et al. **Sud Med Ekspert** 1981 Jul–Aug; 24(3):28–31 (Eng. Abstr.) **(Rus)**
[Pathology of sudden death] Milei J. **Arch Inst Cardiol Mex** 1982 Mar–Apr;52(2):135–45 (Eng. Abstr.) **(Spa)**

PREVENTION & CONTROL

Beta Blocker Heart Attack Trial: design features. **Controlled Clin Trials** 1981 Dec;2(4):275–85
Preventable sudden death: the 'long Q–T syndrome'. Neel EU. **J Adolesc Health Care** 1981 Sep;2(1):49–51
Actions of a protease inhibitor in arachidonate induced sudden death in rabbits. Lefer AM, et al. **Pharmacol Res Commun** 1982 Feb;14(2):121–30
[Prevention of sudden death in coronary disease, using anti–arrhythmic drugs (author's transl)] Lekieffre J. **Ann Cardiol Angeiol (Paris)** 1981 Dec;30(7):487–95 (Eng. Abstr.) **(Fre)**
[Can sudden cardiac death be prevented?] Gross F. **MMW** 1982 Jan 8;124(1):27–31 **(Ger)**

VETERINARY

Interrelationships between biotin, choline and other B–vitamins and the occurrence of fatty liver and kidney syndrome and sudden death syndrome in broiler chickens. Whitehead CC, et al. **Br J Nutr** 1982 Jul;48(1):177–84
Sudden death and myocardial necrosis in cattle. Bradley R, et al. **J Pathol** 1981 Sep;135(1):19–38
Effect of biotin supplementation on incidence of acute death syndrome in broiler chickens. Steele P, et al. **Poult Sci** 1982 May;61(5):909–13

7–DEAZANEBULARIN see under **RIBONUCLEOSIDES**

3–DEAZAURIDINE see under **URIDINE**

DEBRIDEMENT

Early surgical excision versus conventional therapy in patients with 20 to 40 percent burns. A comparative study. Gray DT, et al. **Am J Surg** 1982 Jul;144(1):76–80
A 10–year assessment of a controlled trial comparing debridement and anterior spinal fusion in the management of tuberculosis of the spine in patients on standard chemotherapy in Hong Kong. Eighth Report of the Medical Research Council Working Party on Tuberculosis of the Spine. **J Bone Joint Surg [Br]** 1982;64(4):393–8
Periodontal healing following open debridement flap procedures. I. Clinical assessment of soft tissue and osseous repair. Froum SJ, et al. **J Periodontol** 1982 Jan;53(1):8–14
Periodontal healing following open debridement flap procedures. II. Histologic observations. Stahl SS, et al. **J Periodontol** 1982 Jan;53(1):15–21

INSTRUMENTATION

A hemostatic scalpel for burn debridement. Levenson SM, et al. **Arch Surg** 1982 Feb;117(2):213–20

METHODS

Debridement pancreatectomy for pancreatic abscess. Chang FC, et al. **Am J Surg** 1981 Dec;142(6):664–6
Arthroscopic debridement for degenerative knee joint disease. Sprague NF 3d. **Clin Orthop** 1981 Oct;(160):118–23
Arthroscopic removal of loose bodies. McGinty JB. **Orthop Clin North Am** 1982 Apr;13(2):313–28
Tympanic membrane debridement with the CO2 laser. Epley JM. **Otolaryngol Head Neck Surg** 1981 Nov–Dec; 89(6):898–902
[Treatment of dendritic ulcer by surgical debridement (author's transl)] Ding MZ. **Chung Hua Yen Ko Tsa Chih** 1981 Mar;17(2):105–6 **(Chi)**
[Chemical necrectomy in deep burns] Kuzin MI, et al.

Khirurgiia (Mosk) 1982 Apr;(4):10–4 (Eng. Abstr.) **(Rus)**
[What is meant by the term 'primary surgical debridement of wounds'?] Kuz'min KP. **Ortop Travmatol Protez** 1982 Jan;(1):65–8 **(Rus)**

DEBRISOQUIN see under **ISOQUINOLINES**

DECABORANE see under **BORON COMPOUNDS**

DECALCIFICATION, PATHOLOGIC see under **CALCIUM METABOLISM DISORDERS**

DECALCIFICATION TECHNIC

Induction of osteogenesis [letter] Matthews JG 2d, et al. **Lancet** 1981 Nov 7;2(8254):1041–2
A chemical test to determine the end point of EDTA decalcification. Seilly DJ. **Med Lab Sci** 1982 Jan;39(1):71–3
The effect of various decalcifying agents on cartilage proteoglycans. Ippolito E, et al. **Stain Technol** 1981 Nov; 56(6):367–73
[Decalcification of histological specimens] Petrás S, et al. **Morphol Igazsagugyi Orv Sz** 1981 Oct;21(4):303–6 (Eng. Abstr.) **(Hun)**

INSTRUMENTATION

Ultrasonic decalcification of bone. Milan L, et al. **Am J Surg Pathol** 1981 Sep;5(6):573–9
[A variant of the Bussolati decalcificator (with an evaluation of the results obtained in 16 cases of bone marrow biopsies)] Badini A, et al. **Pathologica** 1981 Mar–Apr;73(1024):281–5 **(Ita)**

DECAMETHONIUM COMPOUNDS

ADVERSE EFFECTS

Anaphylaxis to both decamethonium and suxamethonium. Fisher MM, et al. **Anaesth Intensive Care** 1982 May; 10(2):153–5

PHARMACODYNAMICS

Charge screening by cations affects the conformation of the mitochondrial inner membrane. A study of exogenous MAD(P)H oxidation in plant mitochondria. Møller IM, et al. **Biochem J** 1981 Jun 1;195(3):583–8
Tachyphylaxis after repeated dosage of decamethonium in anaesthetized man. Hughes R, et al. **Br J Clin Pharmacol** 1982 Mar;13(3):355–9

THERAPEUTIC USE

[Experience with using the new antimicrobial preparation decamethoxine in thoracic surgery] Gorovenko GG, et al. **Klin Khir** 1981 Oct;(10):48–50 (Eng. Abstr.) **(Rus)**
[Effectiveness of using decamethoxine in chronic gastritis and gastroduodenitis combined with biliary tract diseases] Mokhun' IK, et al. **Vrach Delo** 1982 Apr;(4):23–6 **(Rus)**

DECANOATES see under **DECANOIC ACIDS**

DECANOIC ACIDS

BLOOD

Monitoring octanoic and decanoic acids in plasma from children with intractable epilepsy treated with medium-chain triglyceride diet. Haidukewych D, et al. **Clin Chem** 1982 Apr;28(4 Pt 1):642–5

CHEMICAL SYNTHESIS

Pyrenedecanoic acid and pyrene lecithin. Galla HJ, et al. **Methods Enzymol** 1981;72:471–9

METABOLISM

A comparison of the utilization of medium and long-chain fatty acids for oxidation and ketogenesis in the suckling rat: in vivo and in vitro studies. Frost SC, et al. **Arch Biochem Biophys** 1981 Oct 15;211(2):537–46
Effect of the oral hypoglycemic agent 2-tetradecylglycidic acid on fatty acid oxidation in suckling rats in vivo and in perfused liver. Frost SC, et al. **Arch Biochem Biophys** 1981 Oct 15;211(2):547–55

PHARMACODYNAMICS

Shape-transforming action of myrmicacin (3-hydroxydecanoic acid) and some related compounds on the membrane of intact human erythrocytes. Kanaho Y, et al. **Chem Pharm Bull (Tokyo)** 1981 Oct;29(10):3063–6

THERAPEUTIC USE

Clopentixol decanoate in the treatment of chronic alcoholism. Hochenegg L. **Acta Psychiatr Belg** 1981 Mar–Apr; 81(2):121–7

DECARBOXYCYSTINE see **CYSTAMINE**

DECARBOXYLASES see **CARBOXY-LYASES**

DECARBOXYLATION see under **CHEMISTRY, ORGANIC**

DECAYED, MISSING, AND FILLED TEETH see **DMF INDEX**

DECELERATION see under **ACCELERATION**

DECEREBRATE STATE

Motor-unit activation patterns in lengthening and isometric contractions of hindlimb extensor muscles in the decerebrate cat. Cordo PJ, et al. **J Neurophysiol** 1982 May; 47(5):782–96
[Effects of 4'ethyl-2-methyl-3-piperidinopropiophenone on experimental rigidity and spinal cord activities (author's transl)] Tanaka K, et al. **Nippon Yakurigaku Zasshi** 1981 May;77(5):511–20 (Eng. Abstr.) **(Jpn)**

DIAGNOSIS

Decerebrate rigidity in humans. Davis RA, et al. **Neurosurgery** 1982 May;10(5):635–42

ETIOLOGY

A decerebrate patient: eighteen years of care. Field RE, et al. **Conn Med** 1981 Nov;45(11):717–23
Possibilities and limitations of rehabilitation after traumatic apallic syndrome in children and adolescents. Lange-Cosack H, et al. **Neuropediatrics** 1981 Nov; 12(4):337–65
[Rare primitive motor patterns of the oral sense (author's transl)] Aichner F, et al. **Wien Klin Wochenschr** 1982 Mar 5;94(5):120–4 (Eng. Abstr.) **(Ger)**

PATHOLOGY

Adipose tissue development in the fetal pig after decapitation. Hausman GJ, et al. **J Anim Sci** 1981 Dec;53(6):1634–44

PHYSIOPATHOLOGY

Pentobarbital-anesthetized and decerebrate cats reveal different neurological responses in anesthetic-induced analgesia. Mori K, et al. **Acta Anaesthesiol Scand** 1981 Aug; 25(4):349–54
Hippocampal theta activity in the acute cerveau isolé cat. Gottesmann C, et al. **Acta Neurobiol Exp (Warsz)** 1981; 41(2):251–5
Evoked potentials in the reticular formation during auditory conditioning of the corneal reflex in the chronic decerebrate rat. Lovick TA, et al. **Acta Neurobiol Exp (Warsz)** 1981;41(2):163–74
Intracranial pressure and muscle activity in patients with decerebrate rigidity. Klug N, et al. **Acta Neurochir (Wien)** 1982;60(3–4):155–67
Decerebrate rigidity produced in cats by focal stereotactic radiofrequency lesions. Tsementzis SA, et al. **Acta Neurochir (Wien)** 1981;59(1–2):13–33
Brainstem mechanisms underlying variations in the occurrence of experimentally elicited rhythmic oral movements in the rat. Thexton AJ, et al. **Arch Oral Biol** 1982;27(5):411–5
Modulation of transmission in forelimb flexion reflex pathways by elbow joint afferent discharge in decerebrate cats. Baxendale RH, et al. **Brain Res** 1981 Sep 28; 221(2):393–6
The contralateral input to the dorsal horn of the spinal cord in the decerebrate spinal rat. Fitzgerald M. **Brain Res** 1982 Mar 25;236(2):275–87
Interlimb coordination in cat locomotion investigated with perturbation. I. Behavioral and electromyographic study on symmetric limbs of decerebrate and awake walking cats. Matsukawa K, et al. **Exp Brain Res** 1982;46(3):425–37
Prolonged time course for vibratory suppression of stretch reflex in the decerebrate cat. Rymer WZ, et al. **Exp Brain Res** 1981;44(1):101–12
Interlimb coordination in cat locomotion investigated with perturbation. II. Correlates in neuronal activity of Deiter's cells of decerebrate walking cats. Udo M, et al. **Exp Brain Res** 1982;46(3):438–47
The effect of knee joint afferent discharge on transmission in flexion reflex pathways in decerebrate cats. Baxendale RH, et al. **J Physiol (Lond)** 1981 Jun;315:231–42
Motor unit firing and its relation to tremor in the tonic vibration reflex of the decerebrate cat. Clark FJ, et al. **J Physiol (Lond)** 1981;313:317–34
Effects of cutaneous nerve and intraspinal conditioning of C-fibre afferent terminal excitability in decerebrate spinal rats. Fitzgerald M, et al. **J Physiol (Lond)** 1981 Sep; 318:25–39
The recruitment order of gamma-motoneurones in the decerebrate rabbit. Murphy PR. **J Physiol (Lond)** 1981 Jun; 315:59–67
Decerebrate rigidity in animals. Davis RA, et al. **Neurosurgery** 1981 Jul;9(1):79–89
Apneusis and apnea after parabrachial or Kölliker-Fuse N. lesion; influence of wakefulness. Caille D, et al. **Respir Physiol** 1981 Jul;45(1):79–95
[Effect of clonidine and naloxone in somatovegetative responses in decerebrate cats] Medvedev OS, et al. **Biull Eksp Biol Med** 1981 Oct;91(10):447–50 (Eng. Abstr.) **(Rus)**
[Changes in respiration following trigeminal nerve block in decerebrate cats] Glebovskiĭ VD. **Fiziol Zh SSSR** 1981 Jun; 67(6):865–72 (Eng. Abstr.) **(Rus)**
[Afferent and central mechanisms of the osmoregulating reflex from the liver following hypothalamic deafferentation] Matveeva MB, et al. **Fiziol Zh SSSR** 1981 Aug;67(8):1251–7 (Eng. Abstr.) **(Rus)**

PSYCHOLOGY

[Motor rhythms synchronous with respiration in the decerebration syndrome of man] Eggert HR, et al. **Arch Psychiatr Nervenkr** 1982;231(2):203–11 (Eng. Abstr.) **(Ger)**

DECIDUA

Shed decidual cast simulating an intrauterine fetus. Dunne MG. **AJR** 1982 Sep;139(3):591–3

ANALYSIS

Quantitative comparison between biological and immunological activities of prolactin derived from human fetal and maternal sources. Tomita K, et al. **J Clin Endocrinol Metab** 1982 Aug;55(2):269–71
Influence of osmolality and ionic environment on the secretion of prolactin by human decidua in vitro. Markoff E, et al. **J Endocrinol** 1982 Jan;92(1):103–10
[RIA detection of primary prostaglandins in the decidua] Seifert B, et al. **Acta Univ Palacki Olomuc Fac Med** 1981; 101:32–7 **(Ger)**
[Detection of prostaglandins from decidua (author's transl)] Seifert B, et al. **Zentralbl Gynakol** 1982;104(1):39–44 (Eng. Abstr.) **(Ger)**

CYTOLOGY

Atypical cells in pregnancy and postpartum smears. Murad TM, et al. **Acta Cytol (Baltimore)** 1981 Nov–Dec; 25(6):623–30
The aging uterus and the role of edema in endometrial function. Sorger T, et al. **Biol Reprod** 1981 Jun; 24(5):1135–44
Bone marrow origin of decidual cell precursors in the pseudopregnant mouse uterus. Kearns M, et al. **J Exp Med** 1982 May 1;155(5):1537–54
Inhibitory activity of supernatants from murine decidual cell cultures on the mixed lymphocyte reaction. Kirkwood KJ, et al. **J Reprod Immunol** 1981 Sep;3(4):243–52

DRUG EFFECTS

Oxytocin and the initiation of human parturition. II. Stimulation of prostaglandin production in human decidua by oxytocin. Fuchs AR, et al. **Am J Obstet Gynecol** 1981 Nov 15;141(6):694–7
Lectins, calcium ionophore A23187 and peanut oil as deciduogenic agents in the uterus of pseudopregnant mice: effects of tranylcypromine, indomethacin, iproniazid and propranolol. Buxton LE, et al. **Aust J Biol Sci** 1982; 35(1):63–72
A post-implantational study on the effects of zineb on reproduction using the decidualized pseudopregnant rat as a model. Sing LT, et al. **Bull Environ Contam Toxicol** 1981 Sep;27(3):418–25
Prostaglandin regulation of the content of sex hormone receptors in human decidual tissue. Yudaev NA, et al. **Neurosci Behav Physiol** 1981 Sep-Oct;11(5):443–6
Estrogen induced changes in uterine sensitivity for the decidual cell reaction: interactions between prostaglandin E2 and histamine or bradykinin. Power SG, et al. **Prostaglandins** 1982 Feb;23(2):219–26
[Implantation and deciduation process after the action of the antihistamine preparation diprazin in early rat embryogenesis] Samoshkina NA, et al. **Ontogenez** 1981; 12(6):596–604 (Eng. Abstr.) **(Rus)**

ENZYMOLOGY

Initiation of human parturition: XIII. Phospholipase C, phospholipase A2, and diacylglycerol lipase activities in fetal membranes and decidua vera tissues from early and late gestation. Okazaki T, et al. **Biol Reprod** 1981 Aug; 25(1):103–9
Plasminogen activator activity in mouse embryos cultured on decidual cell monolayers. Kubo H, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1982 Jun;34(6):801–8
Corticosteroid metabolism in vitro by human placenta, fetal membranes and decidua in early and late gestation. López Bernal A, et al. **Placenta** 1981 Oct–Dec;2(4):279–85

IMMUNOLOGY

Decidua-associated antigens in the baboon. Joshi SG, et al. **Biol Reprod** 1981 Oct;25(3):591–8
Localisation of immunoglobulin (IgG) in granulated metrial gland cells of deciduomata of the pseudopregnant rat. Mitchell BS, et al. **J Reprod Immunol** 1981 Sep;3(4):237–41

METABOLISM

Immunologic and biologic characteristics of human decidual prolactin. Tomita K, et al. **Am J Obstet Gynecol** 1982 Feb 15;142(4):420–6
Human decidual relaxin. Bigazzi M, et al. **Ann NY Acad Sci** 1982;380:87–99
Satellite versus total DNA replication in relation to endopolyploidy of decidual cells in the mouse. Lejeune B, et al. **Chromosoma** 1982 Feb;84(4):511–6

Collagen synthesis and degradation in the uterine deciduoma: regulation of collagenase activity by progesterone. Jeffrey JJ. **Coll Relat Res** 1981 Apr;1(3):257–68
Production and localization of human prolactin in placenta and decidua in early and at term normal pregnancy. Kasai K, et al. **Int J Biol Res Pregnancy** 1982;3(1):25–9
Production of prolactin by cultures of cells from human decidua. de Ziegler D, et al. **J Clin Endocrinol Metab** 1982 Sep;55(3):511–5
Evidence that chorion–decidual prolactin release is calcium dependent. Richards SR, et al. **J Clin Endocrinol Metab** 1982 Apr;54(4):820–3
Cortisol:cortisone interconversion by human decidua in relation to parturition: effect of tissue manipulation on 11 beta-hydroxysteroid dehydrogenase activity. López Bernal A, et al. **J Endocrinol** 1982 May;93(2):141–9
[Synthesis of prolactin by human decidua in vitro (author's transl)] Liu TI. **Nippon Sanka Fujinka Gakkai Zasshi** 1981 Oct;33(10):1731–40 (Eng. Abstr.) **(Jpn)**

PATHOLOGY

Ectopic decidual reaction of the uterine cervix: frequency and cytologic presentation. Schneider V, et al. **Acta Cytol (Baltimore)** 1981 Nov–Dec;25(6):616–22
Decidual vascular lesions of fibrinoid necrosis/atherosis [letter] Davies BR. **Am J Obstet Gynecol** 1982 Sep 1; 144(1):118

PHYSIOLOGY

Effect of age upon uterine response to deciduagenic stimulus. Craig SS. **Acta Anat (Basel)** 1981;110(2):146–58
Enhanced gamma glutamyl transpeptidase activity in hat uterus following deciduoma induction and implantation. Tarachand U, et al. **Biochem Biophys Res Commun** 1981 Aug 31;101(4):1152–7
Uterine lysosomal cathepsin D activity, rate of synthesis, and immunohistochemical localization following initiation of decidualization in pseudopregnant rats. Moulton BC, et al. **Biol Reprod** 1981 Sep;25(2):393–8
Inhibition of the synthesis and secretion of decidual prolactin by arachidonic acid. Handwerger S, et al. **Endocrinology** 1981 Dec;109(6):2016–21
Progesterone and estrogen control of the response of rat uterine lysosomal cathepsin D activity to a deciduogenic stimulus. Moulton BC. **Endocrinology** 1982 Apr; 110(4):1197–202
A rapid assay for progesterone receptors in rat uterine cytosol: technique, changes at induction of decidualization. Barkai U, et al. **J Steroid Biochem** 1981 Aug;14(8):713–20

SECRETION

Suppression of lymphocyte reactivity in vitro by a soluble factor secreted by explants of human decidua. Golander A, et al. **Eur J Immunol** 1981 Oct;11(10):849–51

ULTRASTRUCTURE

Endometrial ultrastructure in the early uterine response to blastocysts and artificial deciduogenic stimuli in rats. Lundkvist O, et al. **Cell Tissue Res** 1982 Jul;225(2):355–64
Ploidy and progesterone–receptor distribution in flow-sorted deciduomal nuclei. McConnell KN, et al. **Mol Cell Endocrinol** 1982 Jan;25(1):99–104

DECISION MAKING

see related
GAME THEORY
POLICY MAKING

Effects of guessing strategy on speechreading test scores. Van Tasell DJ, et al. **Am Ann Deaf** 1981 Oct;126(7):840–4
Juvenile offenders' diversion potential as a function of police perceptions. Kraus J, et al. **Am J Community Psychol** 1982 Apr;10(2):171–82
Letting defective babies die: who decides? Ellis TS 3d. **Am J Law Med** 1982 Winter;7(4):393–423
Toward a theory of clinical expertise. Kassirer JP, et al. **Am J Med** 1982 Aug;73(2):251–9
A priori considerations when using laboratory determinations in cost–effectiveness and clinical decision analyses. Barr JT. **Am J Med Technol** 1981 Aug;47(8):619–29
Phased trial of a proven algorithm at a new primary care clinic. Christensen–Szalanski JJ, et al. **Am J Public Health** 1982 Jan;72(1):16–21
Algorithms and the 'art' of medicine. Komaroff AL. **Am J Public Health** 1982 Jan;72(1):10–2
Peer review again [editorial] Yankauer A. **Am J Public Health** 1982 Mar;72(3):239–40
Specific but limited role of new imaging techniques in decision–making about intraabdominal abscesses. Wright HK, et al. **Am J Surg** 1982 Apr;143(4):456–9
Social scientists and decision makers look at the usefulness of mental health research. Weiss JA, et al. **Am Psychol** 1981 Aug;36(8):837–47
How decisions are reached: physician and patient. Eraker SA, et al. **Ann Intern Med** 1982 Aug;97(2):262–8
Variability in physician bioethical decision–making. A case study of euthanasia. Pearlman RA, et al. **Ann Intern Med** 1982 Sep;97(3):420–5
The decision–making process in surgery for stroke prevention. Sayner NC. **ANS** 1982 Jan;4(2):67–77
Decision to seek commitment. Psychiatric decision making in a legal context. Appelbaum PS, et al. **Arch Gen Psychiatry** 1982 Apr;39(4):447–51
Competency to consent to research: a psychiatric overview. Appelbaum PS, et al. **Arch Gen Psychiatry** 1982 Aug; 39(8):951–8
Clinical decision analysis by personal computer. Pauker SG, et al. **Arch Intern Med** 1981 Dec;141(13):1831–7
Decision making by pathologists. A strategy for curtailing the number of inappropriate tests. Rao KM, et al. **Arch Pathol Lab Med** 1982 Feb;106(2):55–6
Planning and efficiency of diagnostic tests. Dugdale LM. **Australas Radiol** 1981 Nov;25(3):275–81
Comparison of different methods for decision–making in bioequivalence assessment. Mandallaz D, et al. **Biometrics** 1981 Jun;37(2):213–22
Surgical decision making. Ruckley CV, et al. **Br J Surg** 1981 Dec;68(12):837–9
Choice of toothbrushes by patients: a pilot study. Yule AJ, et al. **Can Dent Assoc J** 1981 Jul;47(7):459–61
Measuring surgical decision–making with hypothetical cases. Vayda E, et al. **Can Med Assoc J** 1982 Aug 15; 127(4):287–90
T. Duckett Jones Memorial Lecture. The Jones criteria and the challenges of clinimetrics. Feinstein AR. **Circulation** 1982 Jul;66(1):1–5
Lewis A. Conner Memorial Lecture. Choices that must not be made. Remington RD. **Circulation** 1982 Sep;66(3):481–6
Difficult decisions—is the court or the clinic the best setting [editorial] Gray JA. **Community Med** 1981 Nov;3(4):285–8
HELP–based decision analysis applied to coronary artery disease. Waki R, et al. **Comput Biomed Res** 1982 Apr; 15(2):188–202
An example of an economic decision analysis approach to the problem of thromboembolic meningoencephalitis (TEME) in feedlot cattle. Davidson JN, et al. **Cornell Vet** 1981 Oct;71(4):383–90
The limits of rational decision making: anthropological and psychological perspectives. Elstein AS, et al. **Cult Med Psychiatry** 1981 Dec;5(4):340–4
Purchasing an existing practice. Ramer E. **Dent Clin North Am** 1981 Oct;25(4):587–94
Introducing change: the path of least resistance. Farquharson J. **Dimens Health Serv** 1981 Jul;58(7):23
Ethical conflicts in long–term care of aged patients: analysis of the tube–feeding decision by means of a teleological ethical model. Bexell G, et al. **Ethics Sci Med** 1980; 7(3–4):141–5
Parents' role in the decision process. Lusthaus CS, et al. **Except Child** 1981 Nov;48(3):256–7
The effect of age on speed of lexical access. Bowles NL, et al. **Exp Aging Res** 1981 Winter;7(4):417–25
Two cardiac arrests, one medical team. **Hastings Cent Rep** 1982 Apr;12(2):24–5
Physician–administrator decision making for high–technology purchases: a model approach. Brozovich JP, et al. **Health Care Manage Rev** 1981 Summer;6(3):63–73
Intra–organizational strategic decision model in the certificate–of–need application process. Levy MG, et al. **Health Care Manage Rev** 1982 Spring;7(2):25–36
A comparison of risk selections. Fortenberry JC. **Hum Factors** 1981 Dec;23(6):693–700
Decision–making and probability. Veney JE, et al. **Infect Control** 1980 Mar–Apr;1(2):110–1, 113
Commentary: physician behavior in response to additional diagnostic information. Donabedian A. **Inquiry** 1982 Spring;19(1):89–90
Decision–making in old age: cautiousness and rigidity. Calhoun RF, et al. **Int J Aging Hum Dev** 1981;13(2):89–98
A systems view of the smoking problem: perspective and limitations of the role of science in decision–making. Roberts EB, et al. **Int J Biomed Comput** 1982 Jan; 13(1):69–86
Disease prevalence and radiological decision making. Kundel HL. **Invest Radiol** 1982 Jan–Feb;17(1):107–9
Practice location—how some students decide. Posnick WR, et al. **J Am Coll Dent** 1981 Fall;48(3):167–74
Decision–marking in dental practice. Practical methods to enhance decision–making. Simpson R, et al. **J Am Coll Dent** 1981 Winter;48(4):238–45
Consumer choice between dental delivery systems. Strevel DW. **J Am Dent Assoc** 1982 Feb;104(2):157–63
Ethical basis for medical decisions—critical medical decisions. Fisher JV. **J Arkansas Med Soc** 1981 Sep; 78(4):149–51
Latency differences in monoptic and dichoptic shape and color decision making. Meyer GE. **J Exp Psychol [Hum Percept]** 1981 Oct;7(5):968–71
Global precedence in attention and decision. Miller J. **J Exp Psychol [Hum Percept]** 1981 Dec;7(6):1161–74
Do attention and decision follow perception Comment on Miller. Navon D. **J Exp Psychol [Hum Percept]** 1981 Dec; 7(6):1175–82
The controlled clinical trial and decision making in family practice. McGrady GA. **J Fam Pract** 1982 Apr; 14(4):739–44
Clinical decisions about diagnosis and treatment for depression identified by screening. Magill MK, et al. **J Fam Pract** 1982 Jun;14(6):1144, 1149
The decision to see the physician: differential diagnosis of the I AM dilemma. Weyrauch KF. **J Fam Pract** 1982 Aug; 15(2):237–8, 240, 242 passim
Termination of life support systems in the elderly. Introduction: 'To be or not to be': decision–making dilemmas in modern medicine. Lipsitt DR. **J Geriatr Psychiatry** 1981;14(1):7–12
Semantic priming of lexical decisions in young and old adults. Howard DV, et al. **J Gerontol** 1981 Nov;36(6):707–14
The hospital power equilibrium: an alternative view of the cost containment dilemma. Saltman RB, et al. **J Health Polit Policy Law** 1981 Fall;6(3):391–418
Decision–making and the right to refuse lifesaving treatment for defective newborns. Shatten DA, et al. **J Leg Med (Chicago)** 1982 Mar;3(1):59–79
A required course in decision–making for preclinical medical students. Margolis CZ, et al. **J Med Educ** 1982 Mar; 57(3):184–90
Therapeutic decision–making for second–year medical students. Peck CC, et al. **J Med Educ** 1981 Dec; 56(12):1024–6
Unmasking or demythologising medicine? Carson RA. **J Med Ethics** 1981 Dec;7(4):184–6
Should the public decide? Thomas M. **J Med Ethics** 1981 Dec;7(4):182–3
Medical foundations of various approaches to medical–ethic decision–making. Pinkus RL. **J Med Philos** 1981 Aug; 6(3):295–307
The environment of decision. Barnard C. **J Nurs Adm** 1982 Mar;12(3):25–9
Law for leaders. 'No Code' orders: current developments and the nursing director's role. Cushing M. **J Nurs Adm** 1981 Apr;11(4):22–9
Rational decision making: managing uncertainty. Lancaster W, et al. **J Nurs Adm** 1982 Sep;12(9):23–8
Groupthink: one peril of group cohesiveness. Rosenblum EH. **J Nurs Adm** 1982 Apr;12(4):27–31
Hospital decision making: what is nursing's role? Weisman CS, et al. **J Nurs Adm** 1981 Sep;11(9):31–6
Premature cognitive commitment. Chanowitz B, et al. **J Pers Soc Psychol** 1981 Dec;41(6):1051–63
State–level decision making for public health: the status of boards of health. Gilbert B, et al. **J Public Health Policy** 1982 Mar;3(1):51–63
Antibiotics in general practice. **J R Coll Gen Pract** 1982 Apr; 32(237):205–10 (72 ref.)
Helping ninth–graders make responsible health decisions. Olson JR. **J Sch Health** 1981 Nov;51(9):601–2
Decision story strategy: a practical approach for teaching decision making. Smith DL, et al. **J Sch Health** 1981 Dec; 51(10):637–40
Splenomegaly. An algorithmic approach to diagnosis. Eichner ER, et al. **JAMA** 1981 Dec 18;246(24):2858–61
The hazards of bedside Bayes. Harris JM Jr. **JAMA** 1981 Dec 4;246(22):2602–5
The diagnosis of multiple sclerosis. Hart RG, et al. **JAMA** 1982 Jan 22–29;247(4):498–503
The differential diagnosis of hypercalcemia. An algorithm for more effective use of laboratory tests. Wong ET, et al. **JAMA** 1982 Jan 1;247(1):75–80
Computer–assisted medical decision–making: interest growing [news] Ziporyn T. **JAMA** 1982 Aug 27; 248(8):913–8
Algorithms for the clinician [editorial] **Lancet** 1982 Sep 4; 2(8297):528–9
Physician Sensitivity to the price of diagnostic tests: A U.S.–Canadian analysis. Hoey J, et al. **Med Care** 1982 Mar; 20(3):302–7
An examination of the factors that influence patient referral decisions. Ludke RL. **Med Care** 1982 Aug;20(8):782–96
Evaluation methodology for ambulatory care information systems. Simborg DW, et al. **Med Care** 1982 Mar; 20(3):255–65
The interaction among the criteria physicians use when prescribing. Zelnio RN. **Med Care** 1982 Mar;20(3):277–85
Psychiatric court reports–too many or too few? Donovan WM, et al. **Med Sci Law** 1981 Jul;21(3):153–8
The use of critical cues and prior probability in decision–making. Balla JI. **Methods Inf Med** 1982 Jan; 21(1):9–14
Applying decision theory to medical decision–making—concept of regret and error of diagnosis. Le Minor M, et al. **Methods Inf Med** 1982 Jan;21(1):3–8
A method for estimating prognosis based on physician's decision–making process. Peev CP, et al. **Methods Inf Med** 1981 Oct;20(4):202–6
Initial treatment of laryngeal cancer: principles of selection. DeSanto LW, et al. **Minn Med** 1981 Nov;64(11):691–8
Pathology and probabilities [letter] **N Engl J Med** 1982 Feb 4;306(5):303–5
Ethical issues in decision analysis [letter] **N Engl J Med** 1982 Mar 11;306(10):613–5
Hidden ethical issues in clinical decision analysis. Brett AS. **N Engl J Med** 1981 Nov 5;305(19):1150–2
The toss–up [editorial] Kassirer JP, et al. **N Engl J Med** 1981 Dec 10;305(24):1467–9
On the elicitation of preferences for alternative therapies. McNeil BJ, et al. **N Engl J Med** 1982 May 27; 306(21):1259–62
Patient participation in decision making. Trandel–Korenchuk DM. **Nurse Pract** 1982 May;7(5):46–52
Multiple representations of the same reversible figure: implications for cognitive decisional interpretations. Long GM, et al. **Perception** 1981;10(2):231–4
The decision to resuscitate – slowly. Case for discussion.

Basson M. **Prog Clin Biol Res** 1981;76:119–22
Affirmative action in medical school admissions. Case for discussion. Basson M, et al. **Prog Clin Biol Res** 1981;76:13–6
Troubling problems in medical ethics. Acting with uncertainty. Basson MD. **Prog Clin Biol Res** 1981;76:3–8
Patient autonomy and the decision to resuscitate 'without undue haste'. Benjamin M. **Prog Clin Biol Res** 1981; 76:123–9
Affirmative action in medical school admissions. Cohen C. **Prog Clin Biol Res** 1981;76:17–38
The decision to resuscitate – slowly. Dantzker DR. **Prog Clin Biol Res** 1981;76:131–40
Affirmative action in medical school admissions. Geiger HJ. **Prog Clin Biol Res** 1981;76:39–45
Sequential expectancies and decision making in a changing environment: an electrophysiological approach. Johnson R Jr, et al. **Psychophysiology** 1982 Mar;19(2):183–200
Ethical Decision-Making in quality assurance. Wendorf B. **QRB** 1982 Jan;8(1):4–6
The effect of centralized decision-making on work satisfaction among nursing educators. Grandjean BD, et al. **Res Nurs Health** 1982 Mar;5(1):29–36
Risk assessment and the setting of priorities in occupational health and safety. Rantanen J. **Scand J Work Environ Health** 1981;7 Suppl 4:84–90
Elaboration of the definition of genetic counseling into a model for counselee decision-making. Bringle RG, et al. **Soc Biol** 1980 Winter;27(4):304–18
Legal and ethical implications of treatment of minors. Wilkinson DA. **Soc Sci Med [F]** 1981 Mar;15F(1):75–9
Risk taking behavior: decision making in the face of genetic uncertainty. Black RB. **Soc Work Health Care** 1981 Fall; 7(1):11–25
The reliability and reproducibility of the surgical decision-making process. Rutkow IM. **Surg Clin North Am** 1982 Aug;62(4):721–35 (33 ref.)
The role of decision skills and medical knowledge in the clinical judgment of surgical residents. Clarke JR. **Surgery** 1982 Aug;92(2):153–8
[The patient proposes, the physician disposes?] Bos BH. **Ned Tijdschr Geneeskd** 1981 Oct 3;125(40):1593–4 **(Dut)**
[Decision making by intercollegiate basketball players] Proteau L, et al. **Can J Appl Sport Sci** 1982 Jun;7(2):127–33 (Eng. Abstr.) **(Fre)**
[A step towards informed decisions (editorial)] Martin JC. **Dimens Health Serv** 1982 Jun;59(6):4–5 **(Fre)**
[Display and use of medical knowledge for man–machine communications using computerized medical decision-making] Joubert M, et al. **Med Inf (Lond)** 1982 Jan-Mar;7(1):7–17 **(Fre)**
[Evaluation and decision making. The economist's point of view (author's transl)] Griffiths A. **Rev Epidemiol Sante Publique** 1981;29(3):363–70 (Eng. Abstr.) **(Fre)**
[Modeling the decision process on stress in a 4-syllable speech-like sequence] Malinnikova TG. **Fiziol Zh SSSR** 1981 Jun;67(6):804–8 **(Rus)**
[Diagnostic and therapeutic algorithms in the training of students in internal medicine] Komarov FI, et al. **Klin Med (Mosk)** 1981 Nov;59(11):106–8 **(Rus)**

PHYSIOLOGY

[Ability to perform an extrapolated task in male Rattus norvegicus holding different rank positions in a hierarchical group structure] Krushinskaia NL, et al. **Zh Obshch Biol** 1982 Jan–Feb;43(1):72–8 **(Rus)**

DECISION THEORY

Decision theory model of the emergency medical triage process. Landau TP, et al. **Comput Biol Med** 1982; 12(1):27–42
Decision analysis and dental malpractice suits. Narasimhan R. **Dent Clin North Am** 1982 Apr;26(2):411–21
Natural decision theory: a general formalism for the analysis of evolved characteristics. Cooper WS. **J Theor Biol** 1981 Oct 21;92(4):401–15
Applying decision theory to medical decision-making—concept of regret and error of diagnosis. Le Minor M, et al. **Methods Inf Med** 1982 Jan;21(1):3–8
Clinical application of decision analysis. Michael M. **South Med J** 1981 Oct;74(10):1174–7
[The fuzzy set theory as a biomedical diagnostic aid (author's transl)] Bartolin R, et al. **Sem Hop Paris** 1982 Jun 3; 58(22):1361–5 (Eng. Abstr.) **(Fre)**

DECOMPRESSION

Effects of various countermeasures against the adverse effects of weightlessness on central circulation in the healthy man. Gazenko OG, et al. **Aviat Space Environ Med** 1982 Jun; 53(6):523–30
Diaphragm electrical activity during negative lower torso pressure in quadriplegic men. Banzett RB, et al. **J Appl Physiol** 1981 Sep;51(3):654–9
Central venous bubbles and mixed venous nitrogen in goats following decompression. D'Aoust BG, et al. **J Appl Physiol** 1981 Nov;51(5):1238–44
Air embolism: possible role of surfactant on recompression. Hills BA, et al. **J Appl Physiol** 1982 Jan;52(1):119–23
Effect of lower body negative pressure on plasma ACTH and cortisol concentrations in man. Allen JP, et al. **J Endocrinol Invest** 1982 Jan–Feb;5(1):1–3
Saturation of mini-pig bone-marrow with nitrogen during exposure to compressed air. Thomas IH, et al. **Lancet** 1982 Jul 17;2(8290):127–9
Influence of training on the blood pressure changes during lower body negative pressure in rats. Tipton CM, et al. **Med Sci Sports Exerc** 1982;14(1):81–90
Evaluation of different decompression schedules by an agarose gel bubble technique. Mano Y, et al. **Undersea Biomed Res** 1982 Mar;9(1):45–57
[Physiological effects and application of lower body negative pressure (author's transl)] Zeng XY. **Sheng Li Ko Hsueh Chin Chan** 1981 Mar;12(3):255–9 **(Chi)**
[Results of studying the hemodynamics and phase structure of the heart cycle in a functional test with lower body negative pressure exposure on an 140-day flight on the Saliut-6 station] Egorov AD, et al. **Kosm Biol Aviakosm Med** 1981 Nov-Dec;15(6):65–9 (Eng. Abstr.) **(Rus)**
[Lower-body negative pressure tolerance of pilots with hypertensive-type neurocirculatory dystonia] Suvorov PM, et al. **Kosm Biol Aviakosm Med** 1981;15(3):70–2 (Eng. Abstr.) **(Rus)**

ADVERSE EFFECTS

[Subconjunctival emphysema in a skin diver] Bielicka W, et al. **Wiad Lek** 1981 Aug 1;34(15):1295–8 **(Pol)**

INSTRUMENTATION

[Abdominal decompression – should this obstetric method be employed in future too? (author's transl)] Karl C. **Z Geburtshife Perinatol** 1981 Oct;185(5):254–8 (Eng. Abstr.) **(Ger)**

METHODS

Effect of a lower body negative pressure function test on indices of the peripheral hemodynamics. Kabesheva TA, et al. **Hum Physiol** 1981 Jul-Aug;7(4):290–4
[Local negative pressure in treating female sterility] Novoskol'teva VN, et al. **Akush Ginekol (Mosk)** 1982 Apr; (4):17–9 (Eng. Abstr.) **(Rus)**

VETERINARY

Creatine phosphokinase activities in rainbow trout, Salmo gairdneri, associated with rapid decompression. Bark DH, et al. **Enzyme** 1982;27(3):156–62

DECOMPRESSION, EXPLOSIVE see **DECOMPRESSION**

DECOMPRESSION SICKNESS

The pathophysiology, presentation, and triage of altitude-related decompression sickness associated with hypobaric chamber operation. Arthur DC, et al. **Aviat Space Environ Med** 1982 May;53(5):489–94
Intrauterine bends? [letter] Turner G, et al. **Lancet** 1982 Apr 17;1(8277):905

BLOOD

Size distribution of intravascular air emboli produced by decompression. Hills BA, et al. **Undersea Biomed Res** 1981 Sep;8(3):163–70

COMPLICATIONS

Spinal cord degeneration in a case of 'recovered' spinal decompression sickness. Palmer AC, et al. **Br Med J [Clin Res]** 1981 Oct 3;283(6296):888
[Spinal cord lesions in the decompression syndrome] Hansen K, et al. **Ugeskr Laeger** 1982 Feb 22;144(8):532–5 (Eng. Abstr.) **(Dan)**

DIAGNOSIS

Type II decompression sickness. Powell B. **Ir J Med Sci** 1981 Dec;150(12):380–1
Decompression sickness: a medical emergency. Pelosi G, et al. **Resuscitation** 1981 Sep;9(3):201–9
[Vestibular dysfunction in caisson workers exposed to combined industrial hazards] Rzaev RM. **Vestn Otorinolaringol** 1982 Jan–Feb;(1):20–3 (Eng. Abstr.) **(Rus)**

DRUG THERAPY

Levodopa and aspirin pretreatment beneficial in experimental decompression sickness. Popovic P, et al. **Proc Soc Exp Biol Med** 1982 Jan;169(1):140–3

ETIOLOGY

Decompression sickness [letter] Hadley AT 3d, et al. **Am Fam Physician** 1982 Jan;25(1):27, 30
Spinal decompression sickness while scuba diving under the influence of drugs [letter] Unsworth IP. **Med J Aust** 1982 Jun 26;1(13):543–4

OCCURRENCE

[Considerations on 209 cases of decompression sickness treated in Italian hyperbaric centers in 1978 and 1979] Marroni A, et al. **Minerva Med** 1981 Dec 30;72(52):3595–9 (Eng. Abstr.) **(Ita)**
[Probability of altitude decompression sickness following a drop in pressure from 840 to 308 mm Hg] Barer AS, et al. **Kosm Biol Aviakosm Med** 1982 Jan–Feb;16(1):26–8 (Eng. Abstr.) **(Rus)**

PATHOLOGY

[Contribution to the pathogenesis of disseminated intravascular coagulation in experimental acute decompression sickness (author's transl)] Novomeský F. **Bratisl Lek Listy** 1982 Jan;77(1):24–32 (Eng. Abstr.) **(Slo)**

PHYSIOPATHOLOGY

Unusual case of type 1 bends [letter] O'Driscoll SW. **Can Med Assoc J** 1981 Oct 15;125(8):816, 818–9
Central venous bubbles and mixed venous nitrogen in goats following decompression. D'Aoust BG, et al. **J Appl Physiol** 1981 Nov;51(5):1238–44
Application of bubble formation model to decompression sickness in fingerling salmon. Yount DE. **Undersea Biomed Res** 1981 Dec;8(4):199–208
[To the problem of caisson disease in scuba-divers (author's transl)] Moser M, et al. **Laryngol Rhinol Otol (Stuttg)** 1981 Jul;60(7):381–2 (Eng. Abstr.) **(Ger)**

PREVENTION & CONTROL

An application of bioelectrical impedance for the detection of tissular bubbles in the diver: preliminary results. Jossinet J, et al. **Med Biol Eng Comput** 1981 Jul;19(4):419–25

RADIOGRAPHY

Skeletal and pulmonary radiology changes in divers. Davidson JK. **J Soc Occup Med** 1981 Jul;31(3):85–92
The role of computed tomography in the management of dysbaric diving accidents. Kizer KW. **Radiology** 1981 Sep; 140(3):705–7

THERAPY

Chokes—favorable response to delayed recompression therapy: a case report. Greenstein A, et al. **Aviat Space Environ Med** 1981 Sep;52(9):558–60
Spinal decompression sickness with delayed onset, delayed treatment, and full recovery. Halpern P, et al. **Br Med J [Clin Res]** 1982 Apr 3;284(6321):1014
Delayed treatment of dysbarism: a retrospective review of 50 cases. Kizer KW. **JAMA** 1982 May 14;247(18):2555–8
[Clinical analysis of 360 cases of decompression diseases (author's transl)] Guan YJ. **Chung Hua Nei Ko Tsa Chih** 1981 Mar;20(3):176–9 **(Chi)**
[Decompression sickness. Experiences in the management of workers under high pressure in the building of subway tunnels] Kessel R, et al. **MMW** 1982 Jun 18;124(24):584–6 **(Ger)**
[Experimental principles of risk-free decompression following hyperbaric exposure. 20 years of applied decompression research in Zurich] Bühlmann AA. **Schweiz Med Wochenschr** 1982 Jan 9;112(2):48–59 (Eng. Abstr.) **(Ger)**
[Disability evaluation in decompression sickness treated with hyperbaric therapy] Zannini D, et al. **Minerva Med** 1981 Dec 30;72(52):3605–13 (Eng. Abstr.) **(Ita)**
[Baromedicine—a current research field] Hesser CM. **Lakartidningen** 1981 Sep 16;78(38):3271–4 (Eng. Abstr.) **(Swe)**

DECONTAMINATION

Ozone decontamination of bioclean rooms. Masaoka T, et al. **Appl Environ Microbiol** 1982 Mar;43(3):509–13
Recommendations for selecting and decontaminating pesticide applicator clothing. Lillie TH, et al. **Bull Environ Contam Toxicol** 1981 Nov;27(5):716–23
Treatment of accidental intakes of 137Cs [letter] Stather JW, et al. **Health Phys** 1982 Feb;42(2):239–40
Decorporation of 238PuO2 from the hamster by inhalation of chelating agents. Stather JW, et al. **Health Phys** 1982 Apr;42(4):520–5
The use of Puchel and DTPA for removing 238PuO2 from the lungs of hamsters. Stradling GN, et al. **Health Phys** 1981 Aug;41(2):387–91
Recontamination after gastrointestinal decontamination with non-absorbable antibiotics. Hendriks WD, et al. **Infection** 1981;9(5):228–32
[Hygienic importance of the transformation of chemical substances with the formation of chloroform in the process of drinking water decontamination] Sergeev EP, et al. **Gig Sanit** 1981 Jun;(6):56–9 (31 ref.) **(Rus)**

METHODS

Nuclear accidents. Mobley JA. **Am Fam Physician** 1982 May; 25(5):163–72
Decontamination of a Histoplasma capsulatum-infested bird roost in Illinois. Bartlett PC, et al. **Arch Environ Health** 1982 Jul-Aug;37(4):221–3
Skin decontamination—a comparison of four methods. Merrick MV, et al. **Br J Radiol** 1982 Apr;55(652):317–8
Removal of inhaled 241Am oxide particles of various sizes from beagle dogs using lung lavage and chelation

treatment. Muggenburg BA, et al. **Health Phys** 1981 Jul; 41(1):123–33

Microbiological evaluation of food items. For patients undergoing gastrointestinal decontamination and protected isolation. Pizzo PA, et al. **J Am Diet Assoc** 1982 Sep; 81(3):272–9

Decontamination of automated laboratory equipment [letter] Death JE, et al. **J Clin Pathol** 1982 May;35(5):580–1

[Evaluation of the effectiveness of cleansing the skin of beryllium compounds] Andreeva NA, et al. **Gig Sanit** 1982 Mar;(3):87–8 **(Rus)**

[Decontamination of Po-210 polluted skin in cases of chemical or thermal burns] Bazhin AG, et al. **Gig Sanit** 1981 Dec;(12):70–2 **(Rus)**

[Percutaneous resorption of 137Cs and 89Sr in acid solutions and deactivation of the burn surface] Il'in LA, et al. **Gig Sanit** 1981 Oct;(10):38–41 (Eng. Abstr.) **(Rus)**

[Bacterial contamination of the water supply on sea-going ships and its decontamination in thermal desalinization] Petrov IuN. **Gig Sanit** 1981 Oct;(10):79–80 **(Rus)**

[Sanitary toxicological evaluation of the thermal decontamination of organochlorine wastes] Pis'ko GT, et al. **Gig Sanit** 1981 Aug;(8):80–1 **(Rus)**

[Decontaminating effect of different methods of desalinizing chemically polluted seawater] Rakhmanin IuA, et al. **Gig Sanit** 1982 Feb;(2):15–8 (Eng. Abstr.) **(Rus)**

[Hygienic evaluation of the possible use of 1,3-dichloro-5,5-dimethylhydantoin for the purpose of drinking water decontamination] Semenova AA, et al. **Gig Sanit** 1982 Mar;(3):11–3 **(Rus)**

[The effect of topographic and anatomic characteristics of the skin on the efficiency of radioactive decontamination] Pejušković B. **Vojnosanit Pregl** 1981 Sep–Oct;38(5):323–5 **(Scr)**

DECOQUINATE see under **HYDROXYQUINOLINES**

DECUBITUS ULCER

DRUG THERAPY

Does metronidazole help leg ulcers and pressure sores? **Drug Ther Bull** 1982 Feb 5;20(3):9–10

Metronidazole in the treatment of chronic pressure sores and ulcers. A comparison with standard treatment in general practice. Baker PG, et al. **Practitioner** 1981 Apr; 225(1354):569–73

Cost effectiveness in treating deep pressure sores and ulcers. Nasar MA, et al. **Practitioner** 1982 Feb;226(1364):307–10

ETIOLOGY

Pressure ulcerations. Elliott TM. **Am Fam Physician** 1982 Feb;25(2):171–80

Etiologic factors in pressure sores: an experimental model. Daniel RK, et al. **Arch Phys Med Rehabil** 1981 Oct; 62(10):492–8

Interstitial fluid flow as a factor in decubitus ulcer formation. Reddy NP, et al. **J Biomech** 1981;14(12):879–81

Prevalence and incidence of pressure sores in acute spinal cord injuries. Richardson RR, et al. **Paraplegia** 1981; 19(4):235–47

NURSING

Op-Site for decubitus care. Ahmed MC. **Am J Nurs** 1982 Jan;82(1):61–4

OCCURRENCE

Medical aspects of the decubitus ulcer. Andersen KE, et al. **Int J Dermatol** 1982 Jun;21(5):265–70

A descriptive study of pressure sores: the prevalence of pressure sores and the characteristics of patients. Ek AC, et al. **J Adv Nurs** 1982 Jan;7(1):51–7

PATHOLOGY

Histopathology of the decubitus ulcer. Witkowski JA, et al. **J Am Acad Dermatol** 1982 Jun;6(6):1014–21

PHYSIOPATHOLOGY

Skin temperature of bedsore areas in the aged. Howell TH. **Exp Gerontol** 1981;16(2):137–40

PREVENTION & CONTROL

Prevention of intraoperative pressure ulcers. Morgan RF, et al. **Ann Plast Surg** 1981 Oct;7(4):333

OR nurse's guide to preventing pressure sores. Phippen ML. **AORN J** 1982 Aug;36(2):205–12

Pressure relief training device: the microcalculator. Klein RM, et al. **Arch Phys Med Rehabil** 1981 Oct;62(10):500–1

Warning mat to signal air seat cushion failure. Werner P, et al. **Arch Phys Med Rehabil** 1982 Apr;63(4):188–90

Prevention of pressure sores by identifying patients at risk. Andersen KE, et al. **Br Med J [Clin Res]** 1982 May 8; 284(6326):1370–1

Use of the 'air wave system' to prevent pressure sores in hospital. Exton-Smith AN, et al. **Lancet** 1982 Jun 5; 1(8284):1288–90

Pressure ulcers in the elderly: prevention and treatment utilizing the team approach. Reed JW. **Md State Med J** 1981 Nov;30(11):45–50

Decubitus ulcers, prevention and management: a review. Griffin ER 3d. **Milit Med** 1982 May;147(5):369–71

Drawsheets for prevention of decubitus ulcer [letter] Witkowski JA, et al. **N Engl J Med** 1981 Dec 24; 305(26):1594

Measurement and redistribution of excessive pressures during wheelchair sitting. Peterson MJ, et al. **Phys Ther** 1982 Jul; 62(7):990–4

Management of pressure areas in the elderly. Kataria MS, et al. **Practitioner** 1982 Jun;226(1368):1174–7

REHABILITATION

Prophylaxis and treatment of decubitus ulcers with a rocking bed. Höök O, et al. **Scand J Rehabil Med** 1982;14(1):33–7

SURGERY

Gluteus maximus myocutaneous flap for ischial ulcers [letter] Baek SM. **Ann Plast Surg** 1981 Dec;7(6):508

Usefulness of the innervated tensor fascia lata flap in paraplegic patients. Cochran JH Jr, et al. **Ann Plast Surg** 1981 Oct;7(4):286–8

Muscle coverage of pressure points--the role of myocutaneous flaps. Daniel RK, et al. **Ann Plast Surg** 1982 Jun;8(6):446–52

The reverse latissimus dorsi myocutaneous flap with functional preservation--report of a case. Muldowney JB, et al. **Ann Plast Surg** 1981 Aug;7(2):150–1

Bilateral gluteus maximus myocutaneous advancement flaps: sacral coverage for ambulatory patients. Parry SW, et al. **Ann Plast Surg** 1982 Jun;8(6):443–5

Surgical methods for managing ischial pressure wounds. Scheflan M. **Ann Plast Surg** 1982 Mar;8(3):238–47

The carbon dioxide surgical laser in neurological surgery, decubitus ulcers, and burns. Stellar S. **Lasers Surg Med** 1980;1(1):15–33

The vastus lateralis musculocutaneous flap in the repair of trochanteric pressure sores: technique and indications. Bovet JL, et al. **Plast Reconstr Surg** 1982 May;69(5):830–4

V-Y advancement of hamstring musculocuataneous flap for coverage of ischial pressure sores. Hurteau JE, et al. **Plast Reconstr Surg** 1981 Oct;68(4):539–42

The gluteal thigh flap: a reliable, sensate flap for the closure of buttock and perineal wounds. Hurwitz DJ, et al. **Plast Reconstr Surg** 1981 Oct;68(4):521–32

Delineation of the pressure sore bursa using methylene blue and hydrogen peroxide. Jones NF, et al. **Plast Reconstr Surg** 1981 Nov;68(5):798–9

Gluteus maximus island musculocutaneous flap for closure of sacral and ischial ulcers. Scheflan M, et al. **Plast Reconstr Surg** 1981 Oct;68(4):533–8

Pressure sores: state of the art. Romm S, et al. **Tex Med** 1982 Apr;78(4):52–60

[Inguinal island flap for covering trochanteric bedsores] Chavoin JP, et al. **Ann Chir Plast** 1981;26(4):355–8 (Eng. Abstr.) **(Fre)**

[Experiences in the treatment of decubital ulcers with synthetic skin grafting (author's transl)] Bötel U. **Aktuel Traumatol** 1982 Jun;12(3):155–8 (Eng. Abstr.) **(Ger)**

[The He-Ne laser in therapy of decubitus ulcers. Preliminary note] Daolio PA, et al. **Chir Ital** 1981 Jun;33(3):729–33 **(Ita)**

THERAPY

The decubitus ulcer. Witkowski JA, et al. **Int J Dermatol** 1982 Jun;21(5):259

Hyperbaric oxygen in the management of pressure sores in patients with injuries to the spinal cord. Eltorai I. **J Dermatol Surg Oncol** 1981 Sep;7(9):737–40

The treatment of superficial decubitus ulcers. Braverman AM, et al. **Practitioner** 1981 Dec;225(1362):1842–3

[Connective tissue massage in the treatment of decubitus ulcer] Zandonini G, et al. **Arch E Maragliano Patol Clin** 1980;36:71–5 **(Ita)**

VETERINARY

[Lesions in slaughtered animals. IV. Decubital lesions in pigs (author's transl)] Nouws JF, et al. **Tijdschr Diergeneesk** 1981 Dec 15;106(24):1284–7 (Eng. Abstr.) **(Dut)**

DECUSSATION, PYRAMIDAL see **PYRAMIDAL TRACTS**

DEDUCTIBLES AND COINSURANCE

Deductible insurance could rationalize medicare. Baltzan MA. **Can Med Assoc J** 1982 Mar 1;126(5):550–2

Sharing health costs [letter] **N Engl J Med** 1982 May 20; 306(20):1240–1

TRENDS

Effects of cost sharing in health insurance. A call for caution [editorial] Fein R. **N Engl J Med** 1981 Dec 17; 305(25):1526–8

Some interim results from a controlled trial of cost sharing in health insurance. Newhouse JP, et al. **N Engl J Med** 1981 Dec 17;305(25):1501–7

DEER

Malignant catarrhal fever in farmed Rusa deer (Cervus timorensis). 1. Clinico-pathological observations. Denholm LJ, et al. **Aust Vet J** 1982 Mar;58(3):81–7

Malignant catarrhal fever in farmed Rusa deer (Cervus timorensis). 2. Animal transmission and virological studies. Westbury HA, et al. **Aust Vet J** 1982 Mar;58(3):88–92

Hepatocellular adenocarcinoma in a white-tailed deer (Odocoileus virginianus). Placke ME, et al. **Can J Comp Med** 1982 Apr;46(2):198–200

Deer fibroma: a review. Sundberg JP, et al. **Can Vet J** 1981 Dec;22(12):385–8 (56 ref.)

129I in Missouri thyroids. Oliver LL, et al. **Health Phys** 1982 Apr;42(4):425–32

Paratuberculosis in tule elk in California. Jessup DA, et al. **J Am Vet Med Assoc** 1981 Dec 1;179(11):1252–4

Abomasal volvulus in a young white-tailed deer. Sundberg JP. **J Am Vet Med Assoc** 1981 Dec 1;179(11):1254–5

Diarrhea in young red deer associated with infection with Cryptosporidium. Tzipori S, et al. **J Infect Dis** 1981 Aug; 144(2):170–5

Metastasizing renal adenocarcinoma in a moose. Bratberg B. **J Wildl Dis** 1982 Jan;18(1):91–3

Leiomyosarcoma and perirenal osseous metaplasia in a Rusa hind (Cervus timoriensis). Mitchell G. **J Wildl Dis** 1982 Jan;18(1):95–7

Polycystic liver in four white-tailed deer. Picone J, et al. **J Wildl Dis** 1981 Jul;17(3):395–400

Experimental malignant catarrhal fever (African form) in white-tailed deer. Whitenack DL, et al. **J Wildl Dis** 1981 Jul;17(3):443–51

Note on parasitic granulomas in the liver of Swedish moose (Alces alces L). Rehbinder C, et al. **Nord Vet Med** 1981 Apr-May;33(4–5):269

Keratitis in red deer. Wilson PR, et al. **NZ Vet J** 1981 Jun; 29(6):92–4

Screwworm myiasis caused by Chrysomyia bezziana in zoo and domestic animals in Malaysia: a report of 3 cases. Werner RM, et al. **Proc Annu Meet US Anim Health Assoc** 1980;84:339–42

Carcinoma of the mucosa of the ethmoid in the deer (Axis axis). Rajan A, et al. **Vet Pathol** 1982 Jul;19(4):458–60

Angular deformity of the metacarpus and metatarsus in fallow deep (Dama dama). Chapman DI, et al. **Vet Rec** 1982 May 15;110(20):476

Outbreaks of Pasteurella multocida septicaemia in fallow deer (Dama dama). Jones TO, et al. **Vet Rec** 1982 May 8; 110(19):451–2

An unusual site of Corynebacterium renale infection in a deer. Borges da Rocha M, et al. **VM SAC** 1981 Oct;76(10):1460–1

[On the occurrence of the viral diarrhea/mucosal disease virus in cervines in Rheinland-Pfalz (author's transl)] Weber KH, et al. **DTW** 1982 Jan 5;89(1):1–3 (Eng. Abstr.) **(Ger)**

ANATOMY & HISTOLOGY

Spontaneous healing of an open, comminuted metatarsal fracture in a white-tailed deer. Withrow SJ. **VM SAC** 1982 Jan;77(1):50

BLOOD

Reproductive steroids in white-tailed deer. IV. Origin of progesterone during pregnancy. Plotka ED, et al. **Biol Reprod** 1982 Mar;26(2):258–62

Effects of chemical immobilization on hematologic and serum chemical values in captive white-tailed deer. Kocan AA, et al. **J Am Vet Med Assoc** 1981 Dec 1;179(11):1153–6

Plasma concentrations of LH, prolactin, oestradiol and progesterone in female red deer (Cervus elaphus) during pregnancy. Kelly RW, et al. **J Reprod Fertil** 1982 Mar; 64(2):475–83

Hematologic and serum chemical values of adult female Rocky Mountain elk from New Mexico and Oklahoma. Wolfe G, et al. **J Wildl Dis** 1982 Apr;18(2):223–7

GENETICS

Chromosome rearrangement between the Indian muntjac and Chinese muntjac is accompanied by a delection of middle repetitive DNA. Johnston FP, et al. **Can J Biochem** 1982 May;60(5):497–506

Evolution of muntjac DNA. Schmidtke J, et al. **Chromosoma** 1981;84(2):187–93

Arrangement of prematurely condensed chromosomes in cultured cells and lymphocytes of the Indian muntjac. Sperling K, et al. **Chromosoma** 1981;83(4):541–53

Centromeres are arranged in clusters throughout the muntjac cell cycle. Korf BR, et al. **Exp Cell Res** 1982 Jun; 139(2):393–6

Patterns of silver staining on NORs of prematurely condensed muntjac chromosomes following RNA inhibition. Raman R, et al. **Exp Cell Res** 1981 Oct; 135(2):373–8

Centromeric heterochromatin in the karyotype of the male greater kudu, Tragelaphus strepsiceros. Dain A, et al. **Experientia** 1982 Apr 15;38(4):492–5

IMMUNOLOGY

Antibodies to the California group of arboviruses in the moose (Alces alces americana Clinton) population of Nova Scotia. McFarlane BL, et al. **Can J Microbiol** 1981 Nov;

27(11):1219–23

Antibodies to the California group of arboviruses in animal populations of New Brunswick. McFarlane BL, et al. **Can J Microbiol** 1982 Feb;28(2):200–4

Colostrum deficiency in mule deer fawns: identification, treatment and influence on neonatal mortality. Parkinson DE, et al. **J Wildl Dis** 1982 Jan;18(1):17–28

Serological survey of wild fallow deer (Dama dama) in New South Wales, Australia. English AW. **Vet Rec** 1982 Feb 13;110(7):153–4

Rabies vaccination trial in wild ruminants. Prosperi S, et al. **Vet Res Commun** 1981 Apr;4(4):283–5

METABOLISM

Lead concentrations in white-tailed deer mandibles and teeth. Witkowski SA, et al. **Bull Environ Contam Toxicol** 1982 May;28(5):561–5

Metals in livers of white-tailed deer in Illinois. Woolf A, et al. **Bull Environ Contam Toxicol** 1982 Feb;28(2):189–94

Remarks on Chinese materia medica—young Pilose antler—a precious drug. Liu WJ. **Chung Yao Tung Pao** 1981 Jul; 6(4):43–5 **(Eng, Chi)**

Copper status of red deer on the island of Rhum. McTaggart HS, et al. **Vet Rec** 1981 Aug 22;109(8):155–7

MICROBIOLOGY

Bluetongue virus in pregnant elk and their calves. Stott JL, et al. **Am J Vet Res** 1982 Mar;43(3):423–8

Antibodies to Francisella tularensis in the snowshoe hare (Lepus americanus struthopus) populations of Nova Scotia and Prince Edward Island and in the moose (Alces alces americana Clinton) population of Nova Scotia. Akerman MB, et al. **Can J Microbiol** 1982 Apr;28(4):403–5

PARASITOLOGY

Invasion of black-tailed deer by nose bot fly larvae (Diptera: Oestridae: Oestrinae). Cogley TP, et al. **Int J Parasitol** 1981 Aug;11(4):281–6

The transmission of Onchocerca tarsicola (Filarioidea: Onchocercidae) by Odagmia ornata and Prosimulium nigripes (Diptera: Simuliidae). Schulz-Key H, et al. **J Helminthol** 1981 Sep;55(3):161–6

Haemaphysalis (Garnhamphysalis) mjoebergi: identity, structural variation and biosystematic implications, deer hosts, and distribution in Borneo and Sumatra (Ixodoidea: Ixodidae). Hoogstraal H, et al. **J Parasitol** 1982 Feb; 68(1):138–44

Failure of white-tailed deer (Odocoileus virginianus) to serve as experimental hosts for Ostertagia ostertagi Stiles, 1982. McGhee MB. **J Parasitol** 1981 Dec;67(6):969–70

Sarcocystis spp. in white-tailed deer. I. Definitive and intermediate host spectrum with a description of Sarcocystis odocoileocanis n. sp. Crum JM, et al. **J Wildl Dis** 1981 Oct;17(4):567–79

Prevalence and distribution of Sarcocystis spp. among white-tailed deer of the southeastern United States. Crum JM, et al. **J Wildl Dis** 1982 Apr;18(2):195–203

Sarcocystis of deer in South Dakota. Emnett CW, et al. **J Wildl Dis** 1982 Apr;18(2):187–93

Studies on cross-transmission and pathogenicity of Haemonchus contortus in white-tailed deer, domestic cattle and sheep. McGhee MB, et al. **J Wildl Dis** 1981 Jul; 17(3):353–64

Studies in sarcocystis species. VIII: Sarcocystis and Toxoplasma in red deer (Cervus elaphus). Collins GH. **NZ Vet J** 1981 Jul;29(7):126–7

Sarcocystis of white-tailed deer (Odocoileus virginianus) and its transmission to the dog (Canis familiaris). Entzeroth R, et al. **Tropenmed Parasitol** 1982 Jun;33(2):111–2

The infectivity of some nematode parasites of reindeer (Rangifer tarandus L.) and elk (Alces alces L.) for cattle and sheep. Borgsteede FH. **Z Parasitenkd** 1982;67(2):211–5

Ultrastructure of the cyst wall and merozoites of Sarcocystis from moose (Alces alces) in Alberta, Canada. Colwell DD, et al. **Z Parasitenkd** 1981;65(3):317–29

Ultrastructure of gamonts and gametes and fertilization of Sarcocystis sp. from the roe deer (capreolus capreolus) in dogs. Entzeroth R. **Z Parasitenkd** 1982;67(2):147–53

Fine structural study of a Toxoplasma strain from the roe deer. Entzeroth R, et al. **Z Parasitenkd** 1981;66(1):109–12

A comparative light and electron microscope study of the cysts of Sarcocystis species of roe deer (Capreolus capreolus). Entzeroth R. **Z Parasitenkd** 1982;66(3):281–92

[Seasonal rhythm of the discharge of Dictyocaulus viviparus, Varestrongylus sagittatus and Elaphostrongylus cervi larvae from the red deer (Cervus elaphus)] Prosl H, et al. **Angew Parasitol** 1982 Feb;23(1):9–14 (Eng. Abstr.) **(Ger)**

[Diffusion of helminth parasites of the digestive system and respiratory system in deer (Cervus elaphus) of the La Mandria Regional Park (Piedmont)] Romano R, et al. **Parassitologia** 1980 Jan–Aug;22(1–2):135–9 (Eng. Abstr.) **(Ita)**

PHYSIOLOGY

Temporal and seasonal relationships between LH, testosterone and antlers in fawn and adult male roe deer (Capreolus capreolus L.): a longitudinal study from birth to four years of age. Sempéré AJ, et al. **Acta Endocrinol (Copenh)** 1982 Feb;99(2):295–301

Gametogenesis in a male Indian muntjac x Chinese muntjac hybrid. Liming S, et al. **Cytogenet Cell Genet** 1981; 30(3):152–6

Plasma and blood volumes of maternally reared, captive black-tailed deer fawns. Jacobsen NK. **Growth** 1981 Summer;45(2):108–18

URINE

Urine sampling techniques for captive white-tailed deer. Warren RJ, et al. **J Wildl Dis** 1981 Jul;17(3):479–83

DEET see under **BENZAMIDES**

DEFECATION

see related
ENCOPRESIS
FECAL INCONTINENCE

Spontaneous complete evacuation of barium in a baby with Hirschsprung disease. Johnson JF, et al. **AJR** 1982 Sep; 139(3):594–5

A new concept of the anatomy of the anal sphincter mechanism and the physiology of defecation. XIV. Anal canal. A fallacious embryological and anatomical entity. Shafik A. **Am J Proctol Gastroenterol Colon Rectal Surg** 1982 Apr; 33(4):14–30, 36

Bowel patterns among subjects not seeking health care. Use of a questionnaire to identify a population with bowel dysfunction. Drossman DA, et al. **Gastroenterology** 1982 Sep;83(3):529–34

Schedule-induced defecation. Rayfield F, et al. **J Exp Anal Behav** 1982 Jul;38(1):19–34

Defaecation frequencies in Black, Indian, Coloured and White populations – what do they signify? Walker AR, et al. **S Afr Med J** 1982 Aug 7;62(7):195–9

[Rectal prolapse. Value of barium enema and defecography (author's transl)] Mahieu P, et al. **Acta Gastroenterol Belg** 1981 Nov–Dec;44(11–12):502–12 (Eng. Abstr.) **(Fre)**

DRUG EFFECTS

Effect of fiber from fruits and vegetables on metabolic responses of human subjects: fiber intakes, fecal excretions, and apparent digestibilities. Kelsay JL, et al. **Am J Clin Nutr** 1981 Sep;34(9):1849–52

DEFECTIVE VIRUSES

ANALYSIS

Influence of the host cell on the genomic and subgenomic RNA content of defective-interfering influenza virus. Crumpton WM, et al. **J Gen Virol** 1981 Mar;53(Pt 1):173–7

Analysis of viral and defective-interfering nucleocapsids in acute and persistent infection by rhabdoviruses. Grabau EA, et al. **J Gen Virol** 1982 May;60(Pt. 1):87–97

DRUG EFFECTS

Guanidine-resistant defective interfering particles of poliovirus. Tershak DR. **J Virol** 1982 Feb;41(2):615–25

GENETICS

Structural and functional studies of the Friend spleen focus-forming virus: structural relationship of SFFV to dualtropic viruses and molecular cloning of a biologically active subgenomic fragment of SFFV DNA. Evans LH, et al. **Hamatol Bluttransfus** 1981;26:472–8

Assay of defective-interfering semliki forest virus by the inhibition of synthesis of virus-specified RNAs. Barrett AD, et al. **J Gen Virol** 1981 Jun;54(Pt 2):273–80

The nature of the DNA associated with incomplete particles of adenovirus type 2. Khittoo G, et al. **J Gen Virol** 1981 Jun;54(Pt 2):343–55

Natural occurrence of deletion mutant of human papovavirus BK capable of inducing T antigen. Watanabe S, et al. **J Gen Virol** 1981 Jun;54(Pt 2):431–5

Expression of the PRC II avian sarcoma virus genome. Adkins B, et al. **J Virol** 1982 Mar;41(3):767–80

In vitro and in vivo inhibition of primary transcription of vesicular stomatitis virus by a defective interfering particle. Bay PH, et al. **J Virol** 1982 Jan;41(1):172–82

Deletions within the transformation-specific RNA sequences of acute leukemia virus MC29 give rise to partially transformation-defective mutants. Bister K, et al. **J Virol** 1982 Mar;41(3):754–66

Candidate product of the FBJ murine osteosarcoma virus oncogene: characterization of a 55,000-dalton phosphoprotein. Curran T, et al. **J Virol** 1982 Apr; 42(1):114–22

Isolation of a transformation-defective deletion mutant of Moloney murine sarcoma virus. Evans LH, et al. **J Virol** 1982 Feb;41(2):735–43

Deletions of specific regions of the simian sarcoma-associated virus genome are found in defective viruses and in the simian sarcoma virus. Gelmann EP, et al. **J Virol** 1982 Feb; 41(2):593–604

Amplification of a short nucleotide sequence in the repeat units of defective herpes simplex virus type 1 Angelotti DNA. Kaerner HC, et al. **J Virol** 1981 Jul;39(1):75–81

Isolation of vesicular stomatitis virus defective interfering genomes with different amounts of 5'-terminal complementarity. Kolakofsky D. **J Virol** 1982 Feb; 41(2):566–74

Effect of deletions in adenovirus early region 1 genes upon replication of adeno-associated virus. Laughlin CA, et al. **J Virol** 1982 Mar;41(3):868–76

Structure and expression of class II defective herpes simplex virus genomes encoding infected cell polypeptide number 8. Locker H, et al. **J Virol** 1982 Aug;43(2):574–93

Sequence analysis of cDNA's derived from the RNA of Sindbis virions and of defective interfering particles. Monroe SS, et al. **J Virol** 1982 Jan;41(1):153–62

Isolation and characterization of defective simian virus 40 genomes which complement for infectivity. O'Neill FJ, et al. **J Virol** 1982 Jul;43(1):18–25

Isolation and biochemical characterization of partially transformation-defective mutants of avian myelocytomatosis virus strain MC29: localization of the mutation to the myc domain of the 110,000-dalton gag-myc polyprotein. Ramsay GM, et al. **J Virol** 1982 Mar; 41(3):745–53

Interference among defective interfering particles of vesicular stomatitis virus. Rao DD, et al. **J Virol** 1982 Jan; 41(1):210–21

Molecular properties of a gag- pol- env+ murine leukemia virus from cultured AKR lymphoma cells. Rein A, et al. **J Virol** 1982 Feb;41(2):626–34

Subgenomic mRNA in OK10 defective leukemia virus-transformed cells. Saule S, et al. **J Virol** 1982 Apr; 42(1):71–82

Transformation-deficient adenovirus mutant defective in expression of region 1A but not region 1B. Solnick D, et al. **J Virol** 1982 Apr;42(1):106–13

Genetic structure and transforming sequence of avian sarcoma virus UR2. Wang LH, et al. **J Virol** 1982 Mar; 41(3):833–41

Participation of subgenomic retroviral mRNAs in recombination. Wang LH, et al. **J Virol** 1982 Mar; 41(3):919–30

Enhanced transformation of human fibroblasts by origin-defective simian virus 40. Small MB, et al. **Nature** 1982 Apr 15;296(5858):671–2

18S defective interfering RNA of Semliki Forest virus contains a triplicated linear repeat. Lehtovaara P, et al. **Proc Natl Acad Sci USA** 1981 Sep;78(9):5353–7

Nucleotide sequence of the p21 transforming protein of Harvey murine sarcoma virus. Dhar R, et al. **Science** 1982 Sep 3;217(4563):934–6

DNA structures induced by mini-Mu replication. Résibois A, et al. **Virology** 1982 Mar;117(2):329–40

Genome structure of the defective avian sarcoma virus PRCIV. Wong TC, et al. **Virology** 1982 Feb;117(1):156–64

Class II defective avian sarcoma viruses: comparative analysis of genome structure. Wong TC, et al. **Virology** 1982 Jul 30;120(2):453–64

Phage P1 mutant with decreased abortive transduction. Yamamoto Y. **Virology** 1982 Apr 30;118(2):329–44

GROWTH & DEVELOPMENT

Characterization of the hematopoietic target cells of defective avian leukemia viruses by velocity sedimentation and density gradient centrifugation analyses. Graf T, et al. **Hamatol Bluttransfus** 1981;26:417–23

Suppression of vesicular stomatitis virus defective intefering particle generation by a function(s) associated with human chromosome 16. Kang CY, et al. **J Virol** 1981 Dec; 40(3):946–52

Site-specific cleavage/packaging of herpes simplex virus DNA and the selective maturation of nucleocapsids containing full-length viral DNA. Vlazny DA, et al. **Proc Natl Acad Sci USA** 1982 Mar;79(5):1423–7

Characterization of West Nile virus persistent infections in genetically resistant and susceptible mouse cells. I. Generation of defective nonplaquing virus particles. Brinton MA. **Virology** 1982 Jan 15;116(1):84–98

[Properties of Bacillus subtilis mutant rec149 with an increased frequency of defective phage induction] Poluéktova EU, et al. **Genetika (Moskva)** 1981; 17(9):1588–92 **(Rus)**

IMMUNOLOGY

DI particles: painting a clearer picture of viruses and vaccines. Marwick CS. **Am Pharm** 1981 Oct;21(10):14–5

ISOLATION & PURIFICATION

Origin and biological properties of a new feline sarcoma virus. Rasheed S, et al. **Virology** 1982 Feb;117(1):238–44

METABOLISM

Rous sarcoma virus mutant LA3382 is defective in virion glycoprotein assembly. Hardwick JM, et al. **J Virol** 1981 Dec;40(3):752–61

RNA polymerase-associated interactions near template promoter sequences of defective interfering particles of vesicular stomatitis virus. Isaac CL, et al. **J Virol** 1982 Jul; 43(1):241–9

Half-life of the Rous sarcoma virus transforming protein pp60src and its associated kinase activity. Ziemiecki A, et al. **Mol Cell Biol** 1982 Apr;2(4):355–60

Packaging of tRNA and 6 S stable RNA into bacteriophage MS2 particles produced in Escherichia coli treated with

5-fluorouracil. Shiba T, et al. **Virology** 1982 May; 119(1):209-13

PHYSIOLOGY

An evaluation of the rate constants for the adsorption of the defective phage PBS Z to Bacillus subtilis. Steensma HY. **Antonie Van Leeuwenhoek** 1982 May;48(2):183-8

Incomplete avian influenza virus contains a defective non-interfering component. Carter MJ, et al. **Arch Virol** 1982;71(1):13-25

Origin and replication of defective interfering particles. Perrault J. **Curr Top Microbiol Immunol** 1981;93:151-207 (303 ref.)

Defective interfering particles of fixed rabies viruses: lack of correlation with attenuation or auto-interference in mice. Clark HF, et al. **J Gen Virol** 1981 Feb;52(Pt 2):245-58

Chronic production of defective-interfering particles by hamster embryo cultures of herpesvirus persistently infected and oncogenically transformed cells. Dauenhauer SA, et al. **J Gen Virol** 1982 May;60(Pt 1):1-14

Persistent infection with infectious pancreatic necrosis virus mediated by defective-interfering (DI) virus particles in a cell line showing strong interference but little DI replication. Kennedy JC, et al. **J Gen Virol** 1982 Feb;58(Pt 2):361-71

Ultraviolet-irradiated vesicular stomatitis virus and defective-interfering particles are similar non-specific inhibitors of virus infection. Miller DK, et al. **J Gen Virol** 1982 Jun;60(Pt 2):327-33

A rabies virus persistent infection in BHK21 cells. Wild TF, et al. **J Gen Virol** 1981 Nov;57(Pt 1):169-77

The effect of defective-interfering Semliki Forest virus on the histopathology of infection with virulent Semliki Forest virus in mice. Crouch CF, et al. **J Infect Dis** 1982 Sep; 146(3):411-6

Host Susceptibility to endogenous viruses: defective, glycoprotein-expressing proviruses interfere with infections. Robinson HL, et al. **J Virol** 1981 Dec; 40(3):745-51

Interferon induction by viruses. VIII. Vesicular stomatitis virus: [+/-]DI-011 particles induce interferon in the absence of standard virions. Sekellick MJ, et al. **Virology** 1982 Feb;117(1):280-5

Persistent infection by a temperature-sensitive mutant isolated from a Sendai virus (HVJ) carrier culture: its initiation and maintenance without aid of defective interfering particles. Yoshida T, et al. **Virology** 1982 Jul 30;120(2):329-39

[Defective interfering viral particles] Kantorovich-Prokudina EN, et al. **Usp Sovrem Biol** 1982 May-Jun;93(3):338-51 (133 ref.) **(Rus)**

DEFECTS, EQUIPMENT see **EQUIPMENT FAILURE**

DEFENMETRAZIN see **PHENMETRAZINE**

DEFENSE MECHANISMS

Anosognosia with hemiplegia: auditory evoked potential studies. Mauguière F, et al. **Adv Neurol** 1982;32:271-8

Good/bad splitting in the religious experience. Fauteux K. **Am J Psychoanal** 1981 Fall;41(3):261-7

Pseudocancer symptoms in coping [letter] Schnaper N, et al. **Ann Intern Med** 1982 Feb;96(2):257

Self-righteous rage and the attribution of blame. Horowitz MJ. **Arch Gen Psychiatry** 1981 Nov;38(11):1233-8

Minor tranquilizers and brain defense systems. Graeff FG. **Braz J Med Biol Res** 1981 Oct;14(4-5):239-65 (195 ref.)

On the rational distribution of rationality. Hahn RA. **Cult Med Psychiatry** 1981 Dec;5(4):344-7

Rationality 'goes without saying'. Shweder RA. **Cult Med Psychiatry** 1981 Dec;5(4):348-58

Theoretical foundations of reaction formation as a defense mechanism. Juni S. **Genet Psychol Monogr** 1981 Aug; 104(First Half):107-35 (62 ref.)

A clinical study of a defensive organization. O'Shaughnessy E. **Int J Psychoanal** 1981;62(3):359-69

Sexualization as a predominant mode of defense. Coen SJ. **J Am Psychoanal Assoc** 1981;29(4):893-920

The question of childhood egocentrism: the co-ordination of perspectives in relation to operational thinking. Hobson RP. **J Child Psychol Psychiatry** 1982 Jan;23(1):43-60

Defense mechanisms in reactive and process schizophrenics. Schueler DE, et al. **J Clin Psychol** 1982 Jul;38(3):486-9

Borderline and schizophrenic patients. A comparative study of defensive structure. Lerner HD, et al. **J Nerv Ment Dis** 1981 Nov;169(11):705-11

Defensiveness in the criminally insane. Audubon JJ, et al. **J Pers Assess** 1982 Jun;46(3):304-11

Recovery from surgery and scores on the Defense Mechanisms Inventory. Wilson JF. **J Pers Assess** 1982 Jun; 46(3):312-9

A general systems taxonomy for psychological defence mechanisms. Leigh H, et al. **J Psychosom Res** 1982; 26(1):77-81

A study of the amygdaloid defence reaction showing the value of Althesin anaesthesia in studies of the functions of the fore-brain in cats. Timms RJ. **Pflugers Arch** 1981 Jul;391(1):49-56

Preoperative gentling does not attenuate septal-lesion induced hyperreactivity. Albert DJ, et al. **Physiol Behav** 1981 Aug;27(2):387-9

Defense and defense mechanisms. Brenner C. **Psychoanal Q** 1981;50(4):557-69

Rationalization as the major defense in hypochondriasis. Holmes CB. **Psychol Rep** 1981 Oct;49(2):676

Type A behavior pattern and coping and defense. Vickers RR Jr, et al. **Psychosom Med** 1981 Oct;43(5):381-96

Failure of the defensive functions of the ego in dreams of psychosomatic patients. Levitan HL. **Psychother Psychosom** 1981;36(1):1-7

[Aspects of rationalization of health political decision making] Mildner R. **Med Welt** 1981 Oct 23;32(43):1634-5 **(Ger)**

[Pathogenesis of anosognosia: a case report (author's transl)] Goldenberg G. **Nervenarzt** 1982 Jun;53(6):344-7 **(Ger)**

[Negativism in early childhood autism] Kehrer HE, et al. **Prax Kinderpsychol Kinderpsychiatr** 1982 Feb-Mar; 31(2):60-4 (Eng. Abstr.) **(Ger)**

[Transvestitism as a defense against separation anxiety] Roccatagliata G. **Minerva Psichiatr** 1981 Oct-Dec; 22(4):211-3 **(Ita)**

DEFENSIVE MEDICINE see under **MALPRACTICE**

DEFEROXAMINE

Inhibition of iron-stimulated catecholamine degradation by the iron-chelators DETAPAC and Desferal. Potentially useful laboratory agents. Heikkila RE, et al. **Biochem Pharmacol** 1981 Nov 1;30(21):2945-7

ADMINISTRATION & DOSAGE

Effect of subcutaneous deferoxamine and oral vitamin C on iron excretion in congenital hypoplastic anemia and refractory anemia associated with the 5q- syndrome. Ambruso DR, et al. **Am J Pediatr Hematol Oncol** 1982 Summer;4(2):115-23

Continuous intra-venous (CIV) infusion of desferrioxamine (DF) in a hemodialysed patient with transfusion siderosis [letter] Ceriati F, et al. **Int J Artif Organs** 1981 Mar;4(2):109

Treatment of early stages of dialysis encephalopathy by aluminium depletion [letter] Pogglitsch H, et al. **Lancet** 1981 Dec 12;2(8259):1344-5

Use of subcutaneous deferoxamine in a child with hemochromatosis associated with congenital dyserythropoietic anemia, type I. Smithson WA, et al. **Mayo Clin Proc** 1982 May;57(5):322-5

[Continuous subcutaneous desferrioxamine infusions in patients with hemosiderosis (author's transl)] Tillmann W, et al. **Monatsschr Kinderheilkd** 1982 Mar;130(3):171-2 (Eng. Abstr.) **(Ger)**

ADVERSE EFFECTS

Tinnitus in a patient with beta-thalassaemia intermedia on long-term treatment with desferrioxamine. Marsh MN, et al. **Postgrad Med J** 1981 Sep;57(671):582-4

ANALOGS & DERIVATIVES

Reactions of ferrioxamine and desferrioxamine with the hydroxyl radical. Hoe S, et al. **Chem Biol Interact** 1982 Jul 15;41(1):75-81

Deferoxamine mesylate enhancement of 67Ga tumor-to-blood ratios and tumor imaging. Koizumi K, et al. **Eur J Nucl Med** 1982;7(5):229-33

BIOSYNTHESIS

Production of deferriferrioxamines B and E from a ferrovertidin-producing Streptomyces species. Yang CC, et al. **J Bacteriol** 1982 Jan;149(1):381-3

DIAGNOSTIC USE

[Tissue overload of aluminum in hemodialysis patients. The desferrioxamine test (letter)] Simon P, et al. **Nouv Presse Med** 1982 Jan 23;11(3):209 **(Fre)**

METABOLISM

A thermodynamic description of the binding of iron to ferrioxamine B in aqueous solutions. Gould BL, et al. **Arch Biochem Biophys** 1982 Apr 15;215(1):148-56

Reactions of ferrioxamine and desferrioxamine with the hydroxyl radical. Hoe S, et al. **Chem Biol Interact** 1982 Jul 15;41(1):75-81

PHARMACODYNAMICS

Desferrioxamine-induced changes of aluminium kinetics during haemodialysis. Graf H, et al. **Proc Eur Dial Transplant Assoc** 1981;18:674-80

Mobilisation of iron from peritoneal rat macrophages by desferrioxamine. Kleber EE, et al. **Scand J Haematol** 1981 Sep;27(3):209-18

THERAPEUTIC USE

Iron chelation in transfusion-dependent thalassemia with chronic hepatitis. De Virgiliis S, et al. **Acta Haematol (Basel)** 1982;67(1):49-56

Delayed decrease in serum ferritin in polytransfused children with thalassemia major after continuous subcutaneous infusions of desferrioxamine. Schettini F, et al. **Acta Haematol (Basel)** 1981;66(2):96-101

Simple assay for urinary iron after desferrioxamine therapy. Pippard MJ, et al. **Am J Clin Pathol** 1982 Mar;77(3):324-7

Ferrioxamine excretion in iron-loaded man. Pippard MJ, et al. **Blood** 1982 Aug;60(2):288-94

Ascorbic acid, iron overload, and desferrioxamine [letter] Halliwell B. **Br Med J [Clin Res]** 1982 Jul 24;285(6337):296

Survival and desferrioxamine in thalassaemia major. Modell B, et al. **Br Med J [Clin Res]** 1982 Apr 10;284(6322):1081-4

Survival and desferrioxamine in thalassaemia major [letter] Murray JA. **Br Med J [Clin Res]** 1982 May 8; 284(6326):1401

Iron overload and desferrioxamine chelation therapy in beta-thalassemia intermedia. Cossu P, et al. **Eur J Pediatr** 1981 Nov;137(3):267-71

Intravenous and subcutaneous desferrioxamine therapy in children with severe iron overload. Janka GE, et al. **Eur J Pediatr** 1981 Nov;137(3):285-90

Desferrioxamine-induced iron outputs in Cooley's anemia. Results and perspectives. Cantore N, et al. **Haematologica (Pavia)** 1981 Apr;66(2):196-207

Improved pituitary gonadotrophin response in adult transfusional haemosiderosis following desferrioxamine treatment. Waters AK. **Horm Metab Res** 1982 Jan;14(1):55

Response to long-term deferoxamine therapy in thalassemia. Cohen A, et al. **J Pediatr** 1981 Nov;99(5):689-94

Reversal of aluminium dialysis encephalopathy after desferrioxamine treatment [letter] Arze RS, et al. **Lancet** 1981 Nov 14;2(8255):1116

Treatment of dialysis osteomalacia with desferrioxamine. Brown DJ, et al. **Lancet** 1982 Aug 14;2(8294):343-5

Low aluminium water, desferrioxamine, and dialysis encephalopathy [letter] Milne FJ, et al. **Lancet** 1982 Aug 28;2(8296):502

Desferrioxamine and osteomalacia [letter] Mudde AH, et al. **Lancet** 1982 Sep 11;2(8298):608

Hemosiderosis in a dialysis patient: treatment with hemofiltration and deferoxamine chelation therapy. McCarthy JT, et al. **Mayo Clin Proc** 1982 Jul;57(7):439-41

[Iron-overload in patients on maintenance hemodialysis: diagnostic criteria, indications and treatment by desferrioxamine (author's transl)] Simon P, et al. **Nephrologie** 1981;2(4):165-70 (Eng. Abstr.) **(Fre)**

[Deferoxamine B treatment of hemosiderosis in the anephric patient undergoing hemodialysis] Ceriati F, et al. **Chir Patol Sper** 1981 Feb;29(1):14-9 (Eng. Abstr.) **(Ita)**

[Chelating therapy in beta-thalassemia] Musumeci S, et al. **Pediatr Med Chir** 1982 Jan-Apr;4(1-2):55-9 (Eng. Abstr.) **(Ita)**

[The echocardiography in thalassemia major (author's transl)] Musumeci S, et al. **Pediatr Med Chir** 1981 Mar-Jun; 3(2-3):219-22 (Eng. Abstr.) **(Ita)**

DEFIBRILLATION, ELECTRIC see **ELECTRIC COUNTERSHOCK**

DEFICIENCY DISEASES

COMPLICATIONS

Nutritional anaemias. Part 2: Tropical Asia. Baker SJ. **Clin Haematol** 1981 Oct;10(3):843-71 (134 ref.)

Nutritional anaemias. Part 1: Tropical Africa. Masawe AE. **Clin Haematol** 1981 Oct;10(3):815-42 (86 ref.)

Dental caries and children's weights. Miller J, et al. **J Epidemiol Community Health** 1982 Mar;36(1):49-52

Tobacco-alcohol amblyopia: a proposed biochemical basis for pathogenesis. Dang CV. **Med Hypotheses** 1981 Nov; 7(11):1317-28 (67 ref.)

The nutritional cost of infections. Brown KH, et al. **Prog Clin Biol Res** 1981;77:467-77

Nutrient intakes among rural Transkeians at risk for oesophageal cancer. Groenewald G, et al. **S Afr Med J** 1981 Dec 19;60(25):964-7

DIAGNOSIS

Trace-element nutrition. Hambidge KM. **Pediatr Ann** 1981 Nov;10(11):53-9

Some outstanding problems in the detection of trace element deficiency diseases. Mills CF. **Philos Trans R Soc Lond [Biol]** 1981 Aug 14; 294(1071):199-213

Nutritional problems in the elderly. Runcie J. **Practitioner** 1981 Dec;225(1362):1747-52

DIET THERAPY

Nutrition, social environment and cognitive performance of disadvantaged Colombian children at three years (1). Mora JO, et al. **Prog Clin Biol Res** 1981;77:403-20

ETIOLOGY

The nutritional status of patients with an alcohol problem. Boyd DH, et al. **Acta Vitaminol Enzymol** 1981;3(2):75-82

A high-fiber diet does not cause mineral and nutrient deficiencies. Rattan J, et al. **J Clin Gastroenterol** 1981 Dec; 3(4):389-93

[Deficiency symptoms in children kept on a strict vegetarian diet] Arvidsson J, et al. **Lakartidningen** 1981 Aug 19; 78(34):2832-2 **(Swe)**

FAMILIAL & GENETIC

Absence of functional recovery after spinal hemisections in mice genetically deficient in hemolytic complement. Gilad GM, et al. **Exp Neurol** 1982 Jun;76(3):666-9

IMMUNOLOGY

Effects of autoimmune NGF deprivation in the adult rabbit and offspring. Johnson EM Jr, et al. **Brain Res** 1982 May 20;240(1):131–40

Impact of nutrition on host defense. Schlesinger L, et al. **Prog Clin Biol Res** 1981;77:453–62

OCCURRENCE

The prevalence and the etiology of the nutritional anemias in Guyana. Johnson AA, et al. **Am J Clin Nutr** 1982 Feb; 35(2):309–18

Nutritional anemia in the English-speaking Caribbean and Suriname. Simmons WK, et al. **Am J Clin Nutr** 1982 Feb; 35(2):327–37

Nutritional anemias in the English-speaking Caribbean: a review of the literature. Johnson AA, et al. **Am J Public Health** 1982 Mar;72(3):285–9 (20 ref.)

The incidence of trace element deficiency diseases. Underwood EJ. **Philos Trans R Soc Lond [Biol]** 1981 Aug 14;294(1071):3–8

Marginal malnutrition and its functional consequences in industrialized societies. Buzina R. **Prog Clin Biol Res** 1981; 77:285–303 (37 ref.)

Evaluation as a learning experience. Fajardo LF. **Prog Clin Biol Res** 1981;77:595–609

[Nutritional anemia in Senegalese children. Economic and cultural factors] Fall M, et al. **Ann Pediatr (Paris)** 1982 Apr;29(4):283–8 **(Fre)**

[Diet survey based on family food consumption: the case of Ilheus, Bahia, in 1979] Horner MR, et al. **Arch Latinoam Nutr** 1981 Dec;31(4):726–39 (Eng. Abstr.) **(Por)**

PATHOLOGY

Histological maturation of astroglial cells in the archicortex of early malnourished rats. Cordero ME, et al. **Pediatr Res** 1982 Mar;16(3):187–91

PHYSIOPATHOLOGY

Effects of rehabilitation on the jaws and teeth of protein-deficient and calorie-deficient pigs. Luke DA, et al. **Acta Anat (Basel)** 1981;110(4):299–305

Metabolic and physiological consequences of trace element deficiency in animals and man. **Philos Trans R Soc Lond [Biol]** 1981 Aug 14; 294(1071):1–213

PREVENTION & CONTROL

Nutrition intervention: scope and limits. Austin JE. **Prog Clin Biol Res** 1981;77:549–62

Anthropological studies of nutrition in marginal communities. Fernandez M, et al. **Prog Clin Biol Res** 1981;77:491–9

How to avoid malnutrition during hospitalization? Isaksson B. **Prog Clin Biol Res** 1981;77:709–17

Interventions to deal with infections and malnutrition. Ramalingaswami V. **Prog Clin Biol Res** 1981;77:479–89

The nutrition component of national policy and planning some issues and lessons. Sai FT. **Prog Clin Biol Res** 1981; 77:955–64

REHABILITATION

Effects of rehabilitation on the jaws and teeth of protein-deficient and calorie-deficient pigs. Luke DA, et al. **Acta Anat (Basel)** 1981;110(4):299–305

VETERINARY

Dietary disorders in marine mammals: synthesis and new findings. Geraci JR. **J Am Vet Med Assoc** 1981 Dec 1; 179(11):1183–91 (63 ref.)

Chloride deficiency in Holstein calves from a low chloride diet and removal of abomasal contents. Neathery MW, et al. **J Dairy Sci** 1981 Nov;64(11):2220–33

DEFOLIANTS, CHEMICAL see under **HERBICIDES**

DEFORMITIES see **ABNORMALITIES**

DEGLUTITION

Closure of the laryngeal vestibule during deglutition. Ekberg O. **Acta Otolaryngol (Stockh)** 1982 Jan–Feb;93(1–2):123–9

Multiple electrode impedance plethysmography system for monitoring grazing dynamics. Stuth JW, et al. **Biomed Sci Instrum** 1981;17:121–4

Cineradiography of the pharyngeal stage of deglutition in 250 patients with dysphagia. Ekberg O, et al. **Br J Radiol** 1982 Apr;55(652):258–62

Cineradiography of the pharyngeal stage of deglutition in 150 individuals without dysphagia. Ekberg O, et al. **Br J Radiol** 1982 Apr;55(652):253–7

Frequency of swallowing in duodenal ulceration and hiatus hernia. Calloway SP, et al. **Br Med J [Clin Res]** 1982 Jul 3;285(6334):23–4

Movement of the epiglottis during deglutition. A cineradiographic study. Ekberg O, et al. **Gastrointest Radiol** 1982;7(2):101–7

The swallowing position as a centric relation record. Abdel-Hakim AM. **J Prosthet Dent** 1982 Jan;47(1):12–5

Occlusal forces during chewing and swallowing as measured by sound transmission. Gibbs CH, et al. **J Prosthet Dent** 1981 Oct;46(4):443–9

Positions of the mandible during chewing and swallowing recorded by light-emitting diodes. Jemt T. **J Prosthet Dent** 1982 Aug;48(2):206–9

Human esophageal response during chest pain induced by swallowing cold liquids. Meyer GW, et al. **JAMA** 1981 Nov 6;246(18):2057–9

Role of bulbar serotonergic neurotransmission in the initiation of swallowing in the rat. Bieger D. **Neuropharmacology** 1981 Nov;20(11):1073–83

Swallowing disorders in infancy. Fisher SE, et al. **Pediatr Clin North Am** 1981 Nov;28(4):845–53

Swallowing dysfunction in acutely ill patients. Zimmerman JE, et al. **Phys Ther** 1981 Dec;61(12):1755–63

Deglutition. Miller AJ. **Physiol Rev** 1982 Jan;62(1):129–84 (401 ref.)

Fetal swallowing and regurgitation: observation of normal and abnormal activity. Bowie JD, et al. **Radiology** 1982 Sep;144(4):877–8

Esophageal scintigraphy (milk scans) in infants and children with gastroesophageal reflux. Heyman S. **Radiology** 1982 Sep;144(4):891–3

Radionuclide studies of esophageal transit and gastroesophageal reflux. Malmud LS, et al. **Semin Nucl Med** 1982 Apr;12(2):104–15

[Paroxysmal supraventricular tachycardia following swallowing: report of 4 cases (author's transl)] Fei YJ. **Chung Hua Hsin Hsueh Kuan Ping Tsa Chih** 1981 Sep; 9(3):209–11 **(Chi)**

[Postprandial bidirectional tachycardia] Lévy S, et al. **Arch Mal Coeur** 1982 Apr;75(4):389–94 (Eng. Abstr.) **(Fre)**

[Functional results following laryngectomy (author's transl)] Schumann K, et al. **Laryngol Rhinol Otol (Stuttg)** 1981 Jul; 60(7):378–80 (Eng. Abstr.) **(Ger)**

[Behavior of the lower esophageal sphincter during deglutition in Chagasic esophagopathy] Dantas RO, et al. **AMB** 1981 Dec;27(12):340–2 (Eng. Abstr.) **(Por)**

DEGLUTITION DISORDERS

Pharyngoesophageal swallowing disorders and the pharyngoesophageal sphincter. Hellemans J, et al. **Med Clin North Am** 1981 Nov;65(6):1149–71 (118 ref.)

CHEMICALLY INDUCED

Swallowing, tardive dyskinesia and anticholinergics [letter] Craig TJ, et al. **Am J Psychiatry** 1982 Aug;139(8):1083

Neuroleptic-associated dysphagia confirmed by esophageal manometry. Moss HB, et al. **Am J Psychiatry** 1982 Apr; 139(4):515–6

Chronic dysphagia and trigeminal anesthesia after trichloroethylene exposure. Lawrence WH, et al. **Ann Intern Med** 1981 Dec;95(6):710

Severe dysphagia from emepronium bromide associated with oesophageal diverticulum [letter] Murray K. **Br J Surg** 1982 Jul;69(7):439

Reversible oesophageal dysphagia and long-term ingestion of chlormethiazole. Dewis P, et al. **Br Med J [Clin Res]** 1982 Mar 6;284(6317):705–6

Emepronium bromide-induced oesophagitis. Case reports. Tobias R, et al. **S Afr Med J** 1982 Mar 6;61(10):368–70

COMPLICATIONS

Oropharyngeal dysphagia in Paget's disease of bone (osteitis deformans): response to calcitonin. Frank MS, et al. **Am J Gastroenterol** 1982 Jul;77(7):450–6

Evolution of symptomatic diffuse esophageal spasm to achalasia. Longstreth GF, et al. **South Med J** 1982 Feb; 75(2):217–20

DIAGNOSIS

Symptoms of esophageal dysfunction. Cattau EL Jr, et al. **Adv Intern Med** 1982;27:151–81 (100 ref.)

Schatzki ring in a newborn. Klein MD, et al. **Pediatrics** 1981 Dec;68(6):884–5

[Swallowing disturbances in Werdning-Hoffman disease] Nutman J, et al. **Harefuah** 1981 Dec 1;101(11):301–3 (Eng. Abstr.) **(Heb)**

DRUG THERAPY

Radionuclide confirmation of the therapeutic value of isosorbide dinitrate in relieving the dysphagia in achalasia. Rozen P, et al. **J Clin Gastroenterol** 1982 Feb;4(1):17–22

ETIOLOGY

Dysphagia as an unusual manifestation of Burkitt's lymphoma. Sariban E, et al. **Am J Dis Child** 1982 Feb; 136(2):171–2

Caustic cicatrization of the pharynx associated with dysphagia and premalignant mucosal changes. Kozarek RA, et al. **Am J Gastroenterol** 1982 Jan;77(1):5–8

Cervical spine disease and dysphagia. Four new cases and a review of the literature. Lambert JR, et al. **Am J Gastroenterol** 1981 Jul;76(1):35–40

Bronchogenic carcinoma masquerading as primary esophageal disease. Hansen HA 2d, et al. **Am Surg** 1982 Apr;48(4):175–9

Pneumomediastinum as a cause of dysphagia and pseudodysphagia. Shuster MJ. **Ann Emerg Med** 1981 Dec; 10(12):648–51

Pharyngo-oesophageal dysphagia in systemic sclerosis. Rajapakse CN, et al. **Ann Rheum Dis** 1981 Dec;40(6):612–4

Dysphagia due to hypertrophic cervical osteophytes. Hirano H, et al. **Clin Orthop** 1982 Jul;(167):168–72

Central nervous system lymphoma presenting as dysphagia. Benjamin SB, et al. **Dig Dis Sci** 1982 Feb;27(2):155–60

Localized saccular dilatation of the esophagus: an unusual cause of dysphagia. Han SY, et al. **Gastrointest Radiol** 1981; 6(4):307–8

Aberrant right subclavian artery causing dysphagia. Mohan V, et al. **Indian J Chest Dis Allied Sci** 1981 Oct–Dec; 23(4):205–7

Esophageal retention cyst: unusual cause for dysphagia. Edgin R, et al. **J Clin Gastroenterol** 1981;3 Suppl 1:57–9

Mechanical and neurogenic factors in postvagotomoy dysphagia. Sharp JR. **J Clin Gastroenterol** 1979 Dec; 1(4):321–4

Dysphagia due to pharyngeal and oesophageal lichen planus. Al-Shihabi BM, et al. **J Laryngol Otol** 1982 Jun; 96(6):567–71

Cervical spondylosis and dysphagia. Umerah BC, et al. **J Laryngol Otol** 1981 Nov;95(11):1179–83

Pain and dysphagia in patients with squamous carcinomas of the head and neck: the role of perineural spread. Carter RL, et al. **J R Soc Med** 1982 Aug;75(8):598–606

Treatment of chronic aspiration as a complication of cerebrovascular accident. Butcher RB 2d. **Laryngoscope** 1982 Jun;92(6 Pt 1):681–5

Thyrotoxicosis presenting as dysphagia. A case report. Ming RH, et al. **S Afr Med J** 1982 Apr 10;61(15):554

[Esophageal food impaction. Treatment by glucagon (author's transl)] Debongnie JC, et al. **Acta Gastroenterol Belg** 1981 Jul–Aug;44(7–8):314–9 (Eng. Abstr.) **(Fre)**

[Pleural mesothelioma with predominant mediastinal involvement. Unusual presentation with dysphagia and pneumothorax (author's transl)] Maroy B, et al. **Ann Radiol (Paris)** 1981;24(8):661–4 (Eng. Abstr.) **(Fre)**

[Rings and membranes of the esophagus] Janisch HD, et al. **Internist (Berlin)** 1982 Jan;23(1):19–22 **(Ger)**

[4-year-old deglutition disorders in a 52-year-old patient] Sauerbruch T, et al. **Internist (Berlin)** 1982 Jan;23(1):51–5 **(Ger)**

[The influence of the partial laryngectomy on the mechanism of deglutition (author's transl)] Danilidis J, et al. **Laryngol Rhinol Otol (Stuttg)** 1981 Nov;60(11):583–6 (Eng. Abstr.) **(Ger)**

[Sequelae of vagotomy in peptic ulcer (author's transl)] Junginger T. **Leber Magen Darm** 1982 Apr;12(2):52–9 (Eng. Abstr.) **(Ger)**

[Dysphagia (author's transl)] Seiler P. **Praxis** 1981 Dec 29; 70(53):2380–2 (Eng. Abstr.) **(Ger)**

[The lower esophageal sphincter and superselective vagotomy. Manometric study with the method of rapid pull-through of the catheter] Rossi R, et al. **Minerva Chir** 1981 Aug 15–31;36(15–16):1001–4 (Eng. Abstr.) **(Ita)**

[A very rare cause of a deglutition disorder: achalasia of the cricopharyngeal muscle] Gemme G, et al. **Minerva Pediatr** 1981 Dec;33(24):1189–97 (Eng. Abstr.) **(Ita)**

FAMILIAL & GENETIC

The G syndrome of dysphagia, ocular hypertelorism and hypospadias. Côté GB, et al. **Clin Genet** 1981 Jun; 19(6):473–8

Familial lower esophageal rings [letter] Longstreth GF. **N Engl J Med** 1982 Aug 12;307(7):443

OCCURRENCE

[Neuromuscular bucco-facial changes] Pizarro C, et al. **Rev Chil Pediatr** 1981 Jul–Aug;52(4):299–303 (Eng. Abstr.) **(Spa)**

PATHOLOGY

Histological abnormalities in patients with multiple esophageal webs. Janisch HD, et al. **Dig Dis Sci** 1982 Jun; 27(6):503–6

Oculopharyngeal muscular dystrophy. An autopsied case from the French-Canadian kindred. Little BW, et al. **J Neurol Sci** 1982 Feb;53(2):145–58

[Morphological study of a case of oculo-pharyngeal dystrophy (author's transl)] Leroy JP, et al. **Rev Otoneuroophtalmol** 1981 Mar–Apr;53(2):139–43 (Eng. Abstr.) **(Fre)**

PHYSIOPATHOLOGY

Defective closure of the laryngeal vestibule during deglutition. Ekberg O. **Acta Otolaryngol (Stockh)** 1982 Mar–Apr;93(3–4):309–17

Irreversible esophageal motor dysfunction in postvagotomy dysphagia. Gelfand MD. **Am J Gastroenterol** 1981 Oct; 76(4):347–50

Swallowing disorders in infancy. Fisher SE, et al. **Pediatr Clin North Am** 1981 Nov;28(4):845–53

PSYCHOLOGY

[Examination of depressive patients who complained

discomfort of throat (author's transl)] Miyoshi A. **Nippon Jibiinkoka Gakkai Kaiho** 1981 Dec 20;84(12):1562–9 (Eng. Abstr.) **(Jpn)**

RADIOGRAPHY

Radiological assessment of pharyngoesophageal dysfunction with emphasis on criccopharyngeal myotomy. Redmond P, et al. **Am J Gastroenterol** 1982 Feb;77(2):85–92

Cineradiography of the pharyngeal stage of deglutition in 250 patients with dysphagia. Ekberg O, et al. **Br J Radiol** 1982 Apr;55(652):258–62

Cervical oesophageal webs in patients with dysphagia. Ekberg O. **Clin Radiol** 1981 Nov;32(6):633–41

Pharyngeal constrictor paresis in patients with dysphagia: a cineradiographic study. Ekberg O, et al. **Clin Radiol** 1982 May 3;33(3):253–8

Cervical dysphagia: pharyngeal protrusions and achalasia. Schwartz EE, et al. **Clin Radiol** 1981 Nov;32(6):643–350

Dysphagia lusoria: anomalous origin of the right subclavian artery. Demonstration by computed tomography. Maier W. **Eur J Radiol** 1981 Aug;1(3):229–31

Radiographic diagnosis of tonsillar cyst presenting as dysphagia. Twigg HL, et al. **Gastrointest Radiol** 1981; 6(4):305–6

Amyloidosis revealed by monosymptomatic dysphagia. Report of one case. Lavergne A, et al. **Hepatogastroenterology** 1982 Apr;29(2):72–4

Feeling of a lump in the throat: thoughts of a radiologist. Ardran GM. **J R Soc Med** 1982 Apr;75(4):242–4

Radiographic evaluation of the esophagus and its motor disorders. Stewart ET. **Med Clin North Am** 1981 Nov; 65(6):1173–94

Dysfunction of the cricopharyngeal muscle. A cineradiographic study of patients with dysphagia. Ekberg O, et al. **Radiology** 1982 May;143(2):481–6

RADIONUCLIDE IMAGING

Scintigraphic evaluation of dysphagia. Blue PW. **Clin Nucl Med** 1981 Oct;6(10):489–90

RADIOTHERAPY

Radiotherapy for dysphagia due to gastric carcinoma. Mantell BS. **Br J Surg** 1982 Feb;69(2):69–70

REHABILITATION

Swallowing dysfunction in acutely ill patients. Zimmerman JE, et al. **Phys Ther** 1981 Dec;61(12):1755–63

SURGERY

Correction of posterior glottic incompetence following horizontal partial laryngectomy. Biller HF, et al. **Ann Otol Rhinol Laryngol** 1982 Jul–Aug;91(4 Pt 1):448–9

Substernal gastric bypass for palliation of esophageal carcinoma: rationale and technique. Robinson JC, et al. **Surgery** 1982 Mar;91(3):305–11

THERAPY

Feeding jejunostomy in patients with neurologic disorders. Matino JJ. **Arch Surg** 1981 Feb;116(2):169–71

The consequences and effectiveness of intubation in the palliation of dysphagia due to benign and malignant strictures affecting the oesophagus. Pfleiderer AG, et al. **Br J Surg** 1982 Jun;69(6):356–8

Behavioral treatment of hysterical dysphagia in a hospital setting. A case report. Nicassio PM, et al. **Gen Hosp Psychiatry** 1981 Sep;3(3):213–7

Hypnotherapy for fear of choking: treatment implications of a case report. Epstein SJ, et al. **Int J Clin Exp Hypn** 1981 Apr;29(2):117–27

Dental phobics with 'a lump in the throat' [letter] Wilks CG. **J R Soc Med** 1982 Aug;75(8):672

Behavioral treatment of functional dysphagia in a 12-year-old boy. Carstens C. **Psychosomatics** 1982 Feb; 23(2):195–6

A tube for enteral nutrition of patients with aphagopraxia and patients with ventilator assistance. Cobb LM, et al. **Surg Gynecol Obstet** 1982 Jul;155(1):81–4

[Disorders of speech and of swallowing in cerebral palsy. Evaluation of factors involved, therapeutic indications and contraindications (author's transl)] Tardieu G, et al. **Neuropsychiatr Enfance Adolesc** 1981 Nov–Dec; 29(11–12):613–23 (Eng. Abstr.) **(Fre)**

DEGU see **RODENTIA**

DEHYDRATASES see **HYDRO-LYASES**

DEHYDRATION

see related
THIRST

Dehydration-induced drinking in humans. Greenleaf JE. **Fed Proc** 1982 Jul;41(9):2509–14

Dehydration-induced drinking: peripheral and central aspects. Greenleaf JE, et al. **Fed Proc** 1982 Jul;41(9):2507–8

Dehydration and fluid balance: central effects of angiotensin. Phillips MI, et al. **Fed Proc** 1982 Jul;41(9):2520–7

Gentamicin-induced acute renal failure in the rat. Effect of dehydration, DOCA-saline and furosemide. de Rougemont D, et al. **Nephron** 1981;29(3–4):176–84

BLOOD

Vasopressin and renin response to dehydration in aged rats. Sladek CD, et al. **Neurobiol Aging** 1981 Winter;2(4):293–302

[Status of the coagulant and anticoagulant systems of the blood in experimental acute intestinal dehydration of the body] Pastorova VE, et al. **Biull Eksp Biol Med** 1981 Sep; 92(9):287–9 (Eng. Abstr.) **(Rus)**

CEREBROSPINAL FLUID

[Na+] of lateral ventricular cerebrospinal fluid in conscious rabbits before and after osmotic and hypovolemic stimuli. Kapsha JM, et al. **Exp Neurol** 1982 Feb;75(2):332–46

COMPLICATIONS

[Massive aortic thrombosis of newborn. One case (author's transl)] Gonzalez Mediero I, et al. **Ann Pathol** 1982; 2(2):173–5 (Eng. Abstr.) **(Fre)**

[Dehydration with thrombosis of the abdominal aorta in a neonate (author's transl)] Thibaud D, et al. **Ann Pediatr (Paris)** 1982 Feb;29(2):132–4 (Eng. Abstr.) **(Fre)**

ETIOLOGY

Hyperuricemia in diarrheal dehydration. Adler R, et al. **Am J Dis Child** 1982 Mar;136(3):211–3

Neonatal hypernatremic dehydration due to excessively concentrated prepared milk formula. Birenbaum E, et al. **Clin Pediatr (Phila)** 1981 Oct;20(10):627–9

Malnutrition and hypernatremic dehydration in breast-fed infants. Rowland TW, et al. **JAMA** 1982 Feb 19; 247(7):1016–7

Dehydration in a breast-fed infant [letter] Rushton AR, et al. **JAMA** 1982 Aug 13;248(6):646

Importance of early ileostomy closure to prevent chronic salt and water losses after necrotizing enterocolitis. Rothstein FC, et al. **Pediatrics** 1982 Aug;70(2):249–53

METABOLISM

Effect of nephrectomy on angiotensin II concentrations in plasma and hypothalamus of the dehydrated rat. Yamaguchi K, et al. **Brain Res** 1981 Nov 16;224(2):431–5

Plasma arginine vasotocin concentrations in the lizard Varanus gouldii (Gray) following water loading, salt loading, and dehydration. Rice GE. **Gen Comp Endocrinol** 1982 May;47(1):1–6

Changes in the rate of dopamine synthesis in the posterior pituitary during dehydration and rehydration: relationship to plasma sodium concentrations. Alper RH, et al. **Neuroendocrinology** 1982 Apr;34(4):252–7

[Intercompartmental distribution of fluid infused in dehydrated subjects: comparison between hypo-, and hypertonic solution (author's transl)] Takaori M, et al. **Masui** 1981 Oct;30(10):1099–104 (Eng. Abstr.) **(Jpn)**

[Intercompartmental distribution of water after fluid infusion in dehydrated animal (II) (author's transl)] Takaori M, et al. **Masui** 1981 Nov;30(11):1202–8 (Eng. Abstr.) **(Jpn)**

MORTALITY

[Hospital morbidity and mortality of children less than 1 year old in Riberão Preto, SP (Brazil), 1975] Barros MB. **Rev Saude Publica** 1981 Jun;15(3):308–20 (Eng. Abstr.) **(Por)**

OCCURRENCE

The decline in the incidence of hypernatremic dehydration in the United Kingdom [letter] Walker-Smith JA, et al. **Am J Clin Nutr** 1981 Sep;34(9):1975–6

PHYSIOPATHOLOGY

Dehydration and osmolality [editorial] Finberg L. **Am J Dis Child** 1981 Nov;135(11):997–8

Osmolar relationships in infantile dehydration. Tejani A, et al. **Am J Dis Child** 1981 Nov;135(11):1000–5

The effects of dehydration on the dynamics of transcapillary refill. Barrientos T, et al. **Am Surg** 1982 Aug;48(8):412–6

Thirst and its disorders. Andersson B, et al. **Annu Rev Med** 1982;33:231–9

Hyperactive acoustic reflexes and perilymphatic hypotension [letter] Gordon AG. **Arch Otolaryngol** 1981 Dec; 107(12):774

Cellular responses to extreme water loss: the water-replacement hypothesis. Clegg JS, et al. **Cryobiology** 1982 Jun;19(3):306–16

Induction of anhydrobiosis: membrane changes during drying. Crowe JH, et al. **Cryobiology** 1982 Jun;19(3):317–28

Fluid control mechanisms after exercise dehydration. Kirsch KA, et al. **Eur J Applied Physiol** 1981;47(2):191–6

Lasting effects of acute dehydration and post-weaning undernourishment on cortical spreading depression in adult rats. Vieira-Neto A, et al. **Experientia** 1981 Jul 15; 37(7):738–40

The effects of an angiotensin blocker (saralasin) on kidney function in dehydrated sheep. Yesberg NE, et al. **Q J Exp Physiol** 1982 Jan;67(1):97–103

[Microvascularization of tissues on conditions of dehydration (author's transl)] Kuprijanov VV, et al. **Z Mikrosk Anat Forsch** 1981;95(4):544–58 **(Ger)**

[Mechanisms of the change in blood electrical conductivity on the administration of dehydrating substances] Vainshtein GB, et al. **Fiziol Zh SSSR** 1982 Jan;68(1):45–51 (Eng. Abstr.) **(Rus)**

PSYCHOLOGY

Treatment of an abnormal avoidance of fluid consumption. Friedin BD, et al. **J Behav Ther Exp Psychiatry** 1982 Mar; 13(1):85–7

THERAPY

From pedialyte to popsicles: a look at oral rehydration therapy used in the United States and Canada. Snyder JD. **Am J Clin Nutr** 1982 Jan;35(1):157–61

The relationship of oral rehydration solution to hypernatremia in infantile diarrhea. Cleary TG, et al. **J Pediatr** 1981 Nov;99(5):739–41

Oral therapy for acute diarrhoea [editorial] **Lancet** 1981 Sep 19;2(8247):615–7

Storing oral rehydration solution [letter] Santosham M, et al. **Lancet** 1982 Apr 3;1(8275):797

Edema in oral rehydration. Sugijanto, et al. **Paediatr Indones** 1981 Nov–Dec;21(11–12):229–34

Maintenance fluids and the management of diarrheal dehydration. Boineau FG, et al. **Pediatr Ann** 1981 Aug; 10(8):280–8

[Rehydration with Oralyt] Dörffel J, et al. **Kinderarztl Prax** 1982 Jan;50(1):36–9 (Eng. Abstr.) **(Ger)**

[Causes of readmission to an oral rehydration service] Posada G, et al. **Bol Med Hosp Infant Mex** 1982 Feb;39(2):93–8 (Eng. Abstr.) **(Spa)**

URINE

A study of the effect of stimulated endogenous prostaglandin synthesis on urine flow, osmolar excretion rate, and renin release in hydropenic and saline loaded, anesthetized rats. Leyssac PP, et al. **Acta Physiol Scand** 1981 Sep; 113(1):23–31

VETERINARY

Water deprivation in agisted cattle [letter] Riffkin GG, et al. **Aust Vet J** 1981 Nov;57(11):532–3

The concept of osmolality: its use in the evaluation of 'dehydration' in the horse. Brownlow MA, et al. **Equine Vet J** 1982 Apr;14(2):106–10

Plasma sodium concentration and dehydration [letter] Michell AR. **Vet Rec** 1982 May 8;110(19):457

DEHYDROASCORBATASE see under **CARBOXYLIC ESTER HYDROLASES**

DEHYDROASCORBIC ACID see under **ASCORBIC ACID**

DEHYDROBENZPERIDOL see **DROPERIDOL**

DEHYDROCHOLATE see **DEHYDROCHOLIC ACID**

24-DEHYDROCHOLESTEROL see **DESMOSTEROL**

DEHYDROCHOLESTEROLS see under **CHOLESTADIENOLS**

DEHYDROCHOLIC ACID

ADMINISTRATION & DOSAGE

[Current treatment of dyspeptic syndromes with a modern drug association evaluated with a double-blind study] Mancini V, et al. **Clin Ter** 1982 Apr 15;101(1):71–4 **(Ita)**

PHARMACODYNAMICS

Impairment of bromosulfophthalein clearance by bile salt administration in normal volunteers and patients with Dubin-Johnson syndrome. Bar-Meir S, et al. **Isr J Med Sci** 1982 Feb;18(2):211–4

DEHYDROEMETINE see under **EMETINE**

DEHYDROEPIANDROSTERONE

ANALOGS & DERIVATIVES

Inhibition of DNA synthesis in mouse epidermis and breast epithelium by dehydroepiandrosterone and related steroids. Pashko LL, et al. **Carcinogenesis** 1981;2(8):717–21

Serum androgen levels and the menstrual cycle in women with benign or malignant breast disease. England PC, et al. **Clin Oncol** 1981 Sep;7(3):213–9

Effect of prolactin on the secretion of dehydroepiandrosterone (DHEA), its sulfate (DHEA-S), and cortisol by the human fetal adrenal in vitro. Taga M, et al. **Endocrinol Jpn** 1981 Jun;28(3):321–7

Serum prolactin, androgens, oestradiol and progesterone in adolescent girls with or without a family history of breast cancer. Boffard K, et al. **Eur J Cancer Clin Oncol** 1981 Oct;17(10):1071–7

Diagnosis of intrauterine fetal growth retardation by prolongation of dehydroepiandrosterone sulfate (DHAS) half-life after DHAS loading. Rabe T, et al. **Eur J Obstet Gynecol Reprod Biol** 1982 May;13(3):145–58

On induced fragmentation of ovarian oocytes. Shinohara H.

Experientia 1981 Dec 15;37(12):1353–4

Differential response to adrenocorticotropin hormone stimulation in polycystic ovarian disease with high and low dehydroepiandrosterone sulfate levels. Ayers JW. **Fertil Steril** 1982 May;37(5):645–9

Adrenal and testicular androgen levels are correlated. Parker LN, et al. **Horm Metab Res** 1981 Nov;13(11):653–4

Evidence for an influence of the ovary on circulating dehydroepiandrosterone sulfate levels. Cumming DC, et al. **J Clin Endocrinol Metab** 1982 May;54(5):1069–71

Longitudinal study of plasma dehydroepiandrosterone sulfate in preterm and fullterm infants. Grueters A, et al. **J Clin Endocrinol Metab** 1982 Aug;55(2):314–20

Umbilical cord plasma levels of dehydroepiandrosterone sulfate during human gestation. Parker CR Jr, et al. **J Clin Endocrinol Metab** 1982 Jun;54(6):1216–20

Stimulation by polypeptides of dehydroepiandrosterone sulphate synthesis in human fetal adrenal slices. Brown TJ, et al. **J Endocrinol** 1981 Oct;91(1):111–22

Gonadal and adrenal secretion of dehydroepiandrosterone sulfate in prepubertal and pubertal subjects. Zappulla F, et al. **J Endocrinol Invest** 1981 Apr–Jun;4(2):197–202

Synthesis of dehydroepiandrosterone sulfatide and 16 alpha-halogenated steroids. Abou-Gharbia M, et al. **J Pharm Sci** 1981 Oct;70(10):1154–7

Secretion of steroid sulfates from human testis and their response to a single intramuscular injection of 5000 IU hCG. Ruokonen A, et al. **J Steroid Biochem** 1981 Dec; 14(12):1357–60

The effect of dehydroepiandrosterone and its sulphate on human midterm placental secretion of HCG, progesterone, estrone and estradiol-17 beta in tissue culture. Voutilainen R, et al. **J Steroid Biochem** 1981 Nov;14(11):1153–5

A study on dehydroepiandrosterone sulfate in patients with essential hypertension. Tsuchiya M, et al. **Jpn Circ J** 1982 Jun;46(6):568–76

Catabolic effects and the influence on hormonal variables under treatment with Gynodian-Depot or dehydroepiandrosterone (DHEA) oenanthate. Abrahamsson L, et al. **Maturitas** 1981 Dec;3(3–4):225–34

Characterization and measurement of dehydroepiandrosterone sulfate in rat brain. Corpéchot C, et al. **Proc Natl Acad Sci USA** 1981 Aug;78(8):4704–7

Chemiluminescence enzyme immunoassay of dehydroepiandrosterone and its sulfate using peroxidase as label. Arakawa H, et al. **Steroids** 1981 Oct;38(4):453–64

Identification and quantification of dehydroepiandrosterone sulphate in saliva. Finlay EM, et al. **Steroids** 1982 Jan; 39(1):63–71

[Plasma DHA, DHAS and cortisol levels after injection of beta 1–24 corticotrophin beta 1–24 ACTH in normal adult women (author's transl)] Conte-Devolx B, et al. **Ann Endocrinol (Paris)** 1981 Jan–Mar;42(1):43–8 (Eng. Abstr.) **(Fre)**

[Estetrol determination in the serum after i.v. application of dehydroepiandrosterone sulfate in late pregnancy] Schollberg K, et al. **Acta Univ Palacki Olomuc Fac Med** 1981;101:22–7 **(Ger)**

[The determination of testosterone and dehydroepiandrosterone after dehydroepiandrosterone sulfate application in late pregnancy] Seiler E, et al. **Acta Univ Palacki Olomuc Fac Med** 1981;101:28–31 **(Ger)**

[Blood levels of prolactin, dehydroepiandrosterone sulfate, cortisol, testosterone and 17-beta-estradiol in chronic alcoholism] Chiodera P, et al. **G Clin Med** 1981 Jul; 62(7):437–42 (Eng. Abstr.) **(Ita)**

[Preliminary observations on the dehydroepiandrosterone sulfate test in pregnancy at term] Borghetti G, et al. **Minerva Ginecol** 1981 Jun;33(6):558–62 **(Ita)**

[Changes of dehydroepiandrosterone (DHA), 16 alpha OH-DHA and estriol levels in maternal peripheral blood during late pregnancy and labor--measured by gas chromatography-mass spectrometry with application of deuterated steroids as internal standards (author's transl)] Kozaki T, et al. **Acta Obstet Gynaecol Jpn** 1981 Jul; 33(7):935–44 (Eng. Abstr.) **(Jpn)**

[The study of serum dehydroepiandrosterone sulfate levels in normal children and children with pituitary dwarfism (author's transl)] Tokuhiro E, et al. **Nippon Naibunpi Gakkai Zasshi** 1981 Sep 20;57(9):1186–98 (Eng. Abstr.) **(Jpn)**

[A study of 16 alpha OH-DHA and 16 alpha OH-pregnenolone in feto-placental unit (author's transl)] Gothoda Y, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1982 Mar;34(3):325–34 (Eng. Abstr.) **(Jpn)**

[Cervical ripening and fetal adrenal steroid] Nakayama T. **Nippon Sanka Fujinka Gakkai Zasshi** 1982 Jun;34(6):823–8 **(Jpn)**

ANALYSIS

The effects of grinding and drying on the solid state stability of sodium prasterone sulfate. Nakagawa H, et al. **Chem Pharm Bull (Tokyo)** 1982 Jan;30(1):242–8

Potential [125I]-iodinated tracers for the radioimmunoassay of dehydroepiandrosterone. Pelc B, et al. **J Steroid Biochem** 1981 Nov;14(11):1197–200

BIOSYNTHESIS

Responses of isolated guinea-pig adrenal cells to ACTH and pro-opiocortin-derived peptides. Pham-Huu-Trung MT, et al. **Endocrinology** 1982 May;110(5):1819–21

The control of steroidogenesis by human fetal adrenal cells in tissue culture. III. The effects of various hormonal peptides. Fujieda K, et al. **J Clin Endocrinol Metab** 1981 Oct;53(4):690–3

BLOOD

Androgen abnormalities in acne vulgaris. Ginsberg GS, et al. **Acta Derm Venereol (Stockh)** 1981;61(5):431–4

The aging Leydig cell: VI. Response of testosterone precursors to gonadotrophin in men. Murono EP, et al. **Acta Endocrinol (Copenh)** 1982 Jul;100(3):455–61

Pubertal endocrinology of the baboon: adrenarche. Castracane VD, et al. **Am J Physiol** 1981 Oct;241(4):E305–9

Dehydroepiandrosterone and affective disorders [letter] Hansen CR Jr, et al. **Am J Psychiatry** 1982 Mar; 139(3):386–7

Time trend analysis of plasma unconjugated and sulfoconjugated estrone and 3 beta-delta 5-steroids in fetal and maternal sheep plasma in relation to spontaneous parturition at term. Nathanielsz PW, et al. **Endocrinology** 1982 Apr;110(4):1402–7

Testosterone free index correlates best with dehydroepiandrosterone sulfate. Haning RV Jr, et al. **Fertil Steril** 1981 Dec;36(6):757–65

Responsiveness of cortisol and dehydroepiandrosterone to ACTH in children. Ranke MB, et al. **Horm Res** 1982 Jan–Feb;16(1):32–41

Genetic and hormonal characterization of cryptic 21-hydroxylase deficiency. Levine LS, et al. **J Clin Endocrinol Metab** 1981 Dec;53(6):1193–8

Chemiluminescence enzyme immunoassay of dehydroepiandrosterone and its sulfate using peroxidase as label. Arakawa H, et al. **Steroids** 1981 Oct;38(4):453–64

[Plasma DHA, DHAS and cortisol levels after injection of beta 1–24 corticotrophin beta 1–24 ACTH in normal adult women (author's transl)] Conte-Devolx B, et al. **Ann Endocrinol (Paris)** 1981 Jan–Mar;42(1):43–8 (Eng. Abstr.) **(Fre)**

[The determination of testosterone and dehydroepiandrosterone after dehydroepiandrosterone sulfate application in late pregnancy] Seiler E, et al. **Acta Univ Palacki Olomuc Fac Med** 1981;101:28–31 **(Ger)**

[Dehydro-epiandrosterone in blood serum and urine of women in pregnancy complicated by EPH gestosis (author's transl)] Kudelski Z. **Zentralbl Gynakol** 1982; 104(1):65–70 (Eng. Abstr.) **(Ger)**

[Dehydro-epiandrosterone in blood serum and urine of women in normal pregnancy (author's transl)] Kudelski Z. **Zentralbl Gynakol** 1982;104(1):60–4 (Eng. Abstr.) **(Ger)**

[Changes of dehydroepiandrosterone (DHA), 16 alpha OH-DHA and estriol levels in maternal peripheral blood during late pregnancy and labor--measured by gas chromatography-mass spectrometry with application of deuterated steroids as internal standards (author's transl)] Kozaki T, et al. **Acta Obstet Gynaecol Jpn** 1981 Jul; 33(7):935–44 (Eng. Abstr.) **(Jpn)**

DIAGNOSTIC USE

The dehydroepiandrosterone loading test. IV. Evaluation of clinical utility. Nagey DA, et al. **Am J Obstet Gynecol** 1982 Jan 1;142(1):60–5

DHEA-S-loading test in cases of intrauterine growth retardation: relationship between the pattern of the maternal plasma metabolites and the fetoplacental dysfunction. Tanguy G, et al. **Gynecol Obstet Invest** 1981; 12(6):305–16

METABOLISM

Metabolism of C19-delta 5-3 beta-hydroxysteroids in the term human amnion. Sulcová J, et al. **Endocrinol Exp (Bratisl)** 1982 Mar;16(1):9–17

Metabolism of dehydroepiandrosterone (DHA) in the mature perfused human placenta (I). Wolf AS, et al. **J Endocrinol Invest** 1982 May-Jun;5(3):141–8

PHARMACODYNAMICS

Dehydroepiandrosterone and 16 alpha-bromo-epiandrosterone: inhibitors of Epstein-Barr virus-induced transformation of human lymphocytes. Henderson E, et al. **Carcinogenesis** 1981;2(7):683–6

Inhibition of DNA synthesis in mouse epidermis and breast epithelium by dehydroepiandrosterone and related steroids. Pashko LL, et al. **Carcinogenesis** 1981;2(8):717–21

Inhibition of 7,12-dimethylbenz[a]anthracene- and urethan-induced lung tumor formation in A/J mice by long-term treatment with dehydroepiandrosterone. Schwartz AG, et al. **Carcinogenesis** 1981;2(12):1335–7

DHEA: 'miracle' drug? Kent S. **Geriatrics** 1982 Sep; 37(9):157–8, 161

The effect of dehydroepiandrosterone and its sulphate on human midterm placental secretion of HCG, progesterone, estrone and estradiol-17 beta in tissue culture. Voutilainen R, et al. **J Steroid Biochem** 1981 Nov;14(11):1153–5

Dehydroepiandrosterone: an anti-obesity and anti-carcinogenic agent. Schwartz AG, et al. **Nutr Cancer** 1981;3(1):46–53

[Testosterone secretion by rat gonads of male and female foetuses in the presence of dehydroepiandrosterone in vitro (author's transl)] Picon R, et al. **C R Seances Acad Sci [III]** 1982 May 10;294(17):863–5 **(Fre)**

[The effects of progesterone and androgens on in vitro metabolism of human placenta from early pregnancy (author's transl)] Nagy P, et al. **Z Geburtshilfe Perinatol** 1981 Oct;185(5):293–5 (Eng. Abstr.) **(Ger)**

[The effect of chronic aminoglutethimide and dehydroepiandrosterone treatment on various parameters of thigh and vertebral bones in rats] Boross M, et al. **ZFA (Dresden)** 1982 May-Jun;37(3):221–4 **(Ger)**

SECRETION

Effect of prolactin on the secretion of dehydroepiandrosterone (DHEA), its sulfate (DHEA-S), and cortisol by the human fetal adrenal in vitro. Taga M, et al. **Endocrinol Jpn** 1981 Jun;28(3):321–7

[Hormonal parameters of the transport of minute particles from uterus to abdominal cavity along the uterine tubes] Pobedinskiĭ NM, et al. **Akush Ginekol (Mosk)** 1982 Feb; (2):52–5 (Eng. Abstr.) **(Rus)**

THERAPEUTIC USE

Cervical ripening with dehydroepiandrosterone sulphate. Sasaki K, et al. **Br J Obstet Gynaecol** 1982 Mar;89(3):195–8

URINE

Determination of urinary dehydroepiandrosterone sulphate by combined high-performance liquid chromatography and radioimmunoassay. Causon RC, et al. **J Chromatogr** 1982 Feb 12;227(2):485–91

Some aspects of the circadian rhythm of the urinary excretion of etiocholanolone, androsterone and dehydroepiandrosterone. van Voorst tot Voorst EJ. **J Clin Chem Clin Biochem** 1982 Jan;20(1):25–8

[Determination of the dehydroepiandrosterone content of the urine] Arzhanova NI, et al. **Lab Delo** 1982;(1):5–6 (Eng. Abstr.) **(Rus)**

DEHYDROGENASES see **OXIDOREDUCTASES**

DEHYDROISOANDROSTERONE see **DEHYDROEPIANDROSTERONE**

DEHYDROMETHYLTESTOSTERONE see **METHANDROSTENOLONE**

DEHYDRORELOMYCINS see **LEUCOMYCINS**

DEINSTITUTIONALIZATION

A matched comparison of the developmental growth of institutionalized and deinstitutionalized mentally retarded clients. Conroy J, et al. **Am J Ment Defic** 1982 May; 86(6):581–7

Living in the community. Landesman-Dwyer S. **Am J Ment Defic** 1981 Nov;86(3):223–34

Social-environmental factors as predictors of adjustment of deinstitutionalized mentally retarded adults. Willer B, et al. **Am J Ment Defic** 1981 Nov;86(3):252–9

Comparison of family-care and group homes as alternatives to institutions. Willer B, et al. **Am J Ment Defic** 1982 May; 86(6):588–95

The new mendicancy: homeless in New York City. Baxter E, et al. **Am J Orthopsychiatry** 1982 Jul;52(3):393–408

Chronic schizophrenics in the community: are they able to report their social adjustment? Glazer W, et al. **Am J Orthopsychiatry** 1982 Jan;52(1):166–71

Testimony for the neglected: the mentally ill in the post-deinstitutionalized age. Pepper B, et al. **Am J Orthopsychiatry** 1982 Jul;52(3):388–92

Outcome of deinstitutionalized patients [letter] Glick ID. **Am J Psychiatry** 1982 Jun;139(6):843–4

Deinstitutionalization studies: some clarifications [letter] Pasamanick B. **Am J Psychiatry** 1981 Dec;138(12):1633–4

Social validation in mental retardation. Kazdin AE, et al. **Appl Res Ment Retard** 1981;2(1):39–53 (36 ref.)

Activity patterns of mentally retarded adults in institutions and communities: a longitudinal study. O'Neill J, et al. **Appl Res Ment Retard** 1981;2(4):367–79

'Fail-safe' foster family care: a mental hospital-child welfare agency program. Goldstein H, et al. **Child Welfare** 1981 Nov;60(9):627–36

The least restrictive alternative: hidden meanings and agendas. Miller RD. **Community Ment Health J** 1982 Spring;18(1):46–55 (74 ref.)

The 'Go-getters' are checking out. Dunlop W, et al. **Dimens Health Serv** 1982 May;59(5):42–3

Effect of inservice training intensity on teachers' attitudes toward mainstreaming. Larrivee B. **Except Child** 1981 Sep; 48(1):34–9

Teachers' and nonteachers' attitudes toward mainstreaming. Schmelkin LP. **Except Child** 1981 Sep;48(1):42–7

The effects of deinstitutionalization on general hospital psychiatry. Bachrach LL. **Hosp Community Psychiatry** 1981 Nov;32(11):786–90

Young adult chronic patients: an analytical review of the literature. Bachrach LL. **Hosp Community Psychiatry** 1982 Mar;33(3):189–97

Contrasts in deinstitutionalization. Boggs EM. **Hosp Community Psychiatry** 1981 Sep;32(9):591

The National Plan for the Chronically Mentally Ill: a programmatic analysis. Talbott JA.
Hosp Community Psychiatry 1981 Oct;32(10):699–704
Foucault and the bag lady. Weissmann G. **Hosp Pract** 1982 Aug;17(8):28–9, 33–4, 39
Critically reassessing the accuracy of public perceptions of the dangerousness of the mentally ill. Steadman HJ.
J Health Soc Behav 1981 Sep;22(3):310–6
Mapping urban hotels: life space of the chronic mental patient. Sweeney D, et al.
J Psychosoc Nurs Ment Health Serv 1982 May;20(5):9–14
The new institutions: last ditch arguments. Menolascino FJ, et al. **Ment Retard** 1981 Oct;19(5):215–20
Differential influence of various instructional factors on self-concepts of handicapped and non-handicapped children in mainstreamed physical education classes. **Karper WB, et al. Percept Mot Skills** 1982 Jun;54(3):831–5
Deinstitutionalization and normalization of persons with mental retardation: the role of a physical therapist in community placement. Schleichkorn J. **Phys Ther** 1981 Oct;61(10):1438–41
Rehabilitation through productive participation: still waiting in the wings? Black BJ, et al. **Psychiatr Q** 1981 Summer; 53(2):85–92
Personal care attendants: key to living independently. Smith NK, et al. **Rehabil Lit** 1981 Sep–Oct;42(9–10):258–65

ECONOMICS

Mental health deinstitutionalization and the regional economy: a model and case study. Moore GA.
Soc Sci Med [C] 1981 Sep;15C(3):175–89

LEGISLATION & JURISPRUDENCE

Trends in admissions before and after an act abolishing mental hospitals: a survey in three areas of northern Italy. Torre E, et al. **Compr Psychiatry** 1982 May–Jun;23(3):227–32
A policy study of P. L. 94–142. Joiner LM, et al.
Except Child 1981 Sep;48(1):24–32
A conceptual model for determining the least restrictive treatment-training modality. Killebrew JA, et al.
Hosp Community Psychiatry 1982 May;33(5):367–70
Measuring restrictiveness of psychiatric care. Ransohoff P, et al. **Hosp Community Psychiatry** 1982 May;33(5):361–6

METHODS

Social participation in adult homes: deinstitutionalized mental patients and the frail elderly. Sherman SR, et al.
Gerontologist 1981 Oct;21(5):545–50
Community integration of mentally retarded adults through leisure activity. Salzberg CL, et al. **Ment Retard** 1981 Jun; 19(3):127–31
Community placement success based on client behavior preferences of careproviders. Sutter P, et al.
Ment Retard 1981 Jun;19(3):117–20

STANDARDS

Symposium: relocation--interpretation and application: introduction. **Gerontologist** 1981 Oct;21(5):481–522
What did we really expect from deinstitutionalization? Lamb HR. **Hosp Community Psychiatry** 1981 Feb;32(2):105–9

TRENDS

Deinstitutionalization of the retarded: trends in public policy. Braddock D. **Hosp Community Psychiatry** 1981 Sep; 32(9):607–15
The enduring asylum: in search of an international, perspective. Morrissey JP, et al. **Int J Law Psychiatry** 1981; 4(1–2):13–34
Deinstitutionalization of the mentally ill: a time path analysis of the American States, 1955–1975. Smith CJ, et al.
Soc Sci Med [D] 1981 Aug;15D(3):361–78

DEITERS NUCLEUS see under **VESTIBULAR NUCLEI**

DEJA VU

Is déjà vu a symptom of temporal lobe epilepsy? Neppe VM.
S Afr Med J 1981 Dec 5;60(23):907–8

DELAYED-ACTION PREPARATIONS

Studies on a rotating disk method to determine drug dissolution rates from inert PVC matrices. Nicklasson M, et al. **Acta Pharm Suec** 1982;19(3):211–22
Modelling of sustained release of water-soluble drugs from porous, hydrophobic polymers. Gurny R, et al.
Biomaterials 1982 Jan;3(1):27–32
Present and future applications of biomaterials in controlled drug delivery systems. Langer RS, et al. **Biomaterials** 1981 Oct;2(4):201–14 (95 ref.)
Preparation and evaluation in vitro of polylactic acid microspheres containing local anesthetics. Wakiyama N, et al. **Chem Pharm Bull (Tokyo)** 1981 Nov;29(11):3363–8
Sustained-release characteristics of tablets of ethylcellulose microcapsules containing potassium phenethicillin. Alpar OH. **Farmaco [Prat]** 1981 Aug;36(8):366–73
High-dose medroxyprogesterone acetate (MPA) in advanced epithelial ovarian cancer resistant to first- or second-line chemotherapy. Mangioni C, et al. **Gynecol Oncol** 1981 Dec; 12(3):314–8
Hydrogenated soybean oil (HSO) as a vehicle for the chronic and controlled administration of testosterone in the orchidectomized rat. Gerrity M, et al. **Int J Androl** 1981 Aug;4(4):494–504
Effect of docusate sodium on drug release from a controlled-release dosage form. Chambliss WG, et al.
J Pharm Sci 1981 Nov;70(11):1248–51
Mathematical model for in vitro drug release from controlled release dosage forms applied to propoxyphene hydrochloride pellets. Christensen FN, et al.
J Pharm Sci 1982 Jun;71(6):694–9
Preparation of spherical matrixes of prolonged-release drugs from liquid suspension. Kawashima Y, et al.
J Pharm Sci 1981 Aug;70(8):913–6
Biomedical applications of magnetic fluids II. 1) preparation and magnetic guidance of magnetic albumin microsphere for site specific drug delivery in vivo. Morimoto Y, et al.
J Pharmacobiodyn 1981 Aug;4(8):624–31
Investigation into raw potato bits as a basic material for the formulation of prolonged action coated beads. Deshpande AV. **Pharmazie** 1981 Oct;36(10):690–1
Drug-polymer combinations. Part 1: The preparation of sustained release drugs by combination with ion exchanging resins. Gyselinck P, et al. **Pharmazie** 1981 Nov; 36(11):769–72
Drug-polymer combinations. Part 2: Evaluation of some mathematic approaches to drug release from resinates. Gyselinck P, et al. **Pharmazie** 1982 Mar;37(3):190–2
[Value of inserts in the treatment of dry eye syndromes (preliminary results)] Huguet P, et al.
Bull Soc Ophtalmol Fr 1981 Dec;81(12):1173–7 (Eng. Abstr.) **(Fre)**

ADVERSE EFFECTS

[Advantages and problems of depot preparations] Abshagen U, et al. **Med Klin** 1981 Aug 28;76(18):484–90 **(Ger)**

STANDARDS

Content and dissolution uniformity testing of controlled release products. The Repro-Dose quality control procedure. Baggesen S, et al. **Pharm Acta Helv** 1981; 56(3):85–92

THERAPEUTIC USE

Plasma imipramine concentrations in patients receiving concomitant fluphenazine decanoate. Siris SG, et al.
Am J Psychiatry 1982 Jan;139(1):104–6
[Treatment of schizophrenic psychoses by sustained-action neuroleptics in psychiatric outpatients' treatment (author's transl)] Poláček J. **Cesk Psychiatr** 1982 Feb;78(1):49–55 (Eng. Abstr.) **(Cze)**

DELIRIUM

[Disturbances of consciousness in later life-- with special references to delirium (author's transl)] Takahashi S.
Hokkaido Igaku Zasshi 1981 May;56(3):359–60 **(Jpn)**

CHEMICALLY INDUCED

Adverse effects of combined propranolol and chlorpromazine therapy. Miller FA, et al. **Am J Psychiatry** 1982 Sep; 139(9):1198–9
Tricyclic-antidepressant-induced delirium and plasma drug concentration. Preskorn SH, et al. **Am J Psychiatry** 1982 Jun;139(6):822–3
Delirium induced by topical application of podophyllin: a case report. Stoudemire A, et al. **Am J Psychiatry** 1981 Nov;138(11):1505–6
Cocaine intoxication, delirium, death in body packer [letter] Bar-Or D, et al. **Ann Emerg Med** 1982 Jul;11(7):389–90
Cocaine intoxication, delirium, and death in a body packer. Fishbain DA, et al. **Ann Emerg Med** 1981 Oct;10(10):531–2
Capgras phenomenon, delirium, and transient hepatic dysfunction. Pies R. **Hosp Community Psychiatry** 1982 May;33(5):382–3
Delirium induced by the competitive interaction between phenytoin and dipropylacetate. Tollefson GD.
J Clin Psychopharmacol 1981 May;1(3):154–8
Possible tobramycin delirium. McCartney CF, et al.
JAMA 1982 Mar 5;247(9):1319
Association of postoperative delirium with raised serum levels of anticholinergic drugs. Tune LE, et al. **Lancet** 1981 Sep 26;2(8248):651–3
Neuropsychiatric side effects of cimetidine. Hails KC.
Penn Med 1982 May;85(5):43–7
Delirium and stereotypy from anticholinergic antiparkinson drugs. Kulik AV, et al.
Prog Neuropsychopharmacol Biol Psychiatry 1982; 6(1):75–82
Cimetidine and delirium: assessment and management. Strauss A. **Psychosomatics** 1982 Jan;23(1):57–62
Does physostigmine reverse quinidine delirium? Summers WK, et al. **West J Med** 1981 Nov;135(5):411–4

DIAGNOSIS

Delirium: a neglected medical emergency. Devaul RA, et al. **Am Fam Physician** 1981 Dec;24(6):152–7
Incidence, degree, and duration of postcardiotomy delirium. Sadler PD. **Heart Lung** 1981 Nov–Dec;10(6):1084–92
Delirium in the aged. Liston EH.
Psychiatr Clin North Am 1982 Apr;5(1):49–66
Limits of the 'Mini-Mental State' as a screening test for dementia and delirium among hospital patients. Anthony JC, et al. **Psychol Med** 1982 May;12(2):397–408
[Delirium following heart surgery with extracorporeal circulation: clinical aspects and observations in a specialized center] Morin P, et al. **Can J Psychiatry** 1982 Feb;27(1):31–9 (Eng. Abstr.) **(Fre)**

DRUG THERAPY

Biological perspectives in chronic pain, depression, and organic mental disorders. Murphy MF, et al.
Psychiatr Clin North Am 1981 Aug;4(2):223–37 (112 ref.)
[Postoperative delirium treated with chlormethiazole (Heminevrin)] Carl P, et al. **Ugeskr Laeger** 1981 Jun 15; 143(25):1602–3 (Eng. Abstr.) **(Dan)**
[Physostigmine reversal of central anticholinergic syndrome induced by midazolam/fentanyl, benzoctamine/buprenorphine and etomidate/carticaine or by atropine/promethazine/pethidine for premedication? (author's transl)] Jost U, et al. **Anaesthesist** 1982 Jan; 31(1):21–4 (Eng. Abstr.) **(Ger)**

HISTORY

Delirium and confusion in the 19th century: a conceptual history. Berrios GE. **Br J Psychiatry** 1981 Nov;139:439–49 (124 ref.)

MORTALITY

Delirium and dementia: diagnostic criteria and fatality rates. Rabins PV, et al. **Br J Psychiatry** 1982 Feb;140:149–53

DELIVERY

see related
BIRTH INJURIES
DYSTOCIA
LABOR PRESENTATION

Delivery and long-term outcome of very low birth weight infants. Westgren M, et al. **Acta Obstet Gynecol Scand** 1982; 61(1):25–30
Maternal position and blood pressure during pregnancy and delivery. Kelley M. **Am J Nurs** 1982 May;82(5):809–12
The effect of type of delivery upon neonatal outcome in premature twins. Barrett JM, et al.
Am J Obstet Gynecol 1982 Jun 1;143(3):360–7
An alternative delivery position: new delivery chair developed and tested at Kongsberg Hospital. Haukeland I. **Am J Obstet Gynecol** 1981 Sep 15;141(2):115–7
Fetal and maternal plasma catecholamine levels at elective cesarean section under general or epidural anesthesia versus vaginal delivery. Irestedt L, et al.
Am J Obstet Gynecol 1982 Apr 15;142(8):1004–10
Experience with a delivery chair [letter] Paquez E, et al.
Am J Obstet Gynecol 1982 Aug 1;143(7):855–6
Outcomes of pregnancy in Hong-qiao and Qi-yi communes. Li BY, et al. **Am J Public Health** 1982 Sep;72(9 Suppl):30–2
Extradural analgesia: the influence of volume and concentration of bupivacaine on the mode of delivery, analgesic efficacy and motor block. Thorburn J, et al.
Br J Anaesth 1981 Sep;53(9):933–9
Circumstances influencing umbilical-cord plasma catecholamines at delivery. Falconer AD, et al.
Br J Obstet Gynaecol 1982 Jan;89(1):44–9
The weekend--a dangerous time to be born? Hendry RA.
Br J Obstet Gynaecol 1981 Dec;88(12):1200–3
Do general practitioner deliveries constitute a perinatal mortality rate? [letter] **Br Med J [Clin Res]** 1982 Mar 13; 284(6318):822–3
Do general practitioner deliveries constitute a perinatal mortality risk? Black N. **Br Med J [Clin Res]** 1982 Feb 13;284(6314):488–90
Impact of sex ratio on onset and management of labour. Hall MH, et al. **Br Med J [Clin Res]** 1982 Aug 7;285(6339):401–3
Late results of cesarean and vaginal delivery in cases of breech presentation. Huchcroft SA, et al.
Can Med Assoc J 1981 Oct 1;125(7):726–30
Management of normal labour and delivery in the case room: a critical appraisal. Schneider G. **Can Med Assoc J** 1981 Aug 15;125(4):350–2
Fetal cardiovascular reactions during labour and asphyxia modified by adrenergic receptor agonists and antagonists. Kjellmer I. **Ciba Found Symp** 1980 Oct;(83):310–25
Functions of alpha-melanotropin and other opiomelanocortin peptides in labour, intrauterine growth and brain development. Swaab DF, et al. **Ciba Found Symp** 1981; (81):196–217
Diazepam plasma binding in the perinatal period: influence of nonesterified fatty acids. Ridd MJ, et al.
Eur J Clin Pharmacol 1982;22(2):153–60
Ultrasonic examination before external version of breech presentation. Kirkinen P, et al. **Gynecol Obstet Invest** 1982; 13(2):90–7
Season of birth and schizophrenia: a response to the Lewis and Griffin critique. Watson CG, et al.
J Abnorm Psychol 1982 Apr;91(2):120–5
Leukocyte function in healthy neonates following vaginal and cesarean section deliveries. Frazier JP, et al.
J Pediatr 1982 Aug;101(2):269–72
Heatflux from the fetus during delivery. Rudelstorfer R, et al. **J Perinat Med** 1981;9(6):311–3

Umbilical cord gases in home deliveries versus hospital-based deliveries. Eskes TK, et al. **J Reprod Med** 1981 Aug; 26(8):405–8

'Postmortem' cesarean section with recovery of both mother and offspring. DePace NL, et al. **JAMA** 1982 Aug 27; 248(8):971–3

Ultrasonic diagnosis of nuchal encirclement by the umbilical cord: a case and methodological report. Jouppila P, et al. **JCU** 1982 Feb;10(2):59–62

Vaginal delivery of conjoined twins. Greening DG. **Med J Aust** 1981 Oct 3;2(7):356–60

Home delivery centres [letter] Carey-Smith MJ. **NZ Med J** 1981 Oct 14;94(693):278–7

External cephalic version. Dunn HP. **NZ Med J** 1982 Apr 28;95(706):275–6

Delivery of the second twin. Acker D, et al. **Obstet Gynecol** 1982 Jun;59(6):710–1

Triplet pregnancy in uterus didelphys with delivery interval of 72 days. Mashiach S, et al. **Obstet Gynecol** 1981 Oct; 58(4):519–21

Fetal adrenocorticotropic hormone and prolactin at delivery. Puolakka J, et al. **Obstet Gynecol** 1982 Jul;60(1):71–3

Cirrhosis--pregnancy and delivery: a review. Schreyer P, et al. **Obstet Gynecol Surv** 1982 May;37(5):304–12 (78 ref.)

The effect of route of delivery on neonatal natural killer cytotoxicity and antibody-dependent cellular cytotoxicity to herpes simplex virus-infected cells. Frazier JP, et al. **Pediatr Res** 1982 Jul;16(7):558–60

Problems and trends of home confinements. A 15-year survey (1966 to 1980) of obstetrical practice in an urban area. Sides BA. **Practitioner** 1981 Sep;225(1359):1231–4

Renin and inactive renin in human amnion at term pregnancy. Poisner AM, et al. **Proc Soc Exp Biol Med** 1982 Jan; 169(1):4–6

The Northwestern University multihospital twin study: III. Obstetric characteristics and outcome. Berger GS, et al. **Prog Clin Biol Res** 1981;69A:207–15

The outcome of twin pregnancies in Aberdeen. MacGillivray I, et al. **Prog Clin Biol Res** 1981;69A:203–6

[Relationship of retinal hemorrhages in the neonate to obstetric practice (analysis of 282 cases) (author's transl)] Chen DK. **Chung Hua Fu Chan Ko Tsa Chih** 1982 Jan; 17(1):32–4 **(Chi)**

[Delivery after previous cesarean section] Jessen P, et al. **Ugeskr Laeger** 1981 Feb 23;143(9):535–8 (Eng. Abstr.) **(Dan)**

[Registration of all clinical deliveries, the first step toward a nation-wide obstetrical registry] Drogendijk AC, et al. **Ned Tijdschr Geneeskd** 1981 Dec 19;125(51):2114–7 **(Dut)**

[From smoke sauna to monitored childbirth] Teramo K. **Duodecim** 1981;97(20):1682–9 **(Fin)**

[Longitudinal study on pregnancy control, delivery procedures and child care by the family practitioner] Wick A. **Ther Umsch** 1981 Oct;38(10):1015–26 (Eng. Abstr.) **(Ger)**

[External version of fetus from breech to vertex presentation near term under tocolysis (author's transl)] Pluta M, et al. **Z Geburtshife Perinatol** 1981 Aug;185(4):207–15 (Eng. Abstr.) **(Ger)**

[The macrosomatic fetus] Allocca G, et al. **Arch Ostet Ginecol** 1980 Jul-Aug;85(4):241–51 **(Ita)**

[Management of delivery in patients with previous cesarean sections (preliminary note)] Merlino G, et al. **Arch Ostet Ginecol** 1980 May-Jun;85(3):165–7 **(Ita)**

[Choice of optimum method of delivery in severe variants of late pregnancy toxemias] Rasstrigin NN, et al. **Akush Ginekol (Mosk)** 1982 May;(5):55–8 (0 ref.) **(Rus)**

INSTRUMENTATION

The cervicograph in labour management in the Highland of Papua New Guinea. Lennox CE. **Papua New Guinea Med J** 1981 Dec;24(4):286–93

[Experience with EK-birthing chair (author's transl)] Schurz AR, et al. **Geburtshilfe Fraunheilkd** 1981 Dec;41(12):868–70 (Eng. Abstr.) **(Ger)**

METHODS

Vaginal delivery after previous cesarean section for a nonrecurrent cause. Benedetti TJ, et al. **Am J Obstet Gynecol** 1982 Feb 1;142(3):358–9

Vaginal delivery after previous cesarean section [letter] Fleisher AA 2d. **Am J Obstet Gynecol** 1982 Sep 1; 144(1):117–8

Intrapartum fetal heart rate monitoring. VII. The impact of mode of delivery on fetal outcome. Krebs HB, et al. **Am J Obstet Gynecol** 1982 May 15;143(2):190–4

Cesarean delivery in nulliparous women for failed oxytocin-augmented labor: route of delivery in subsequent pregnancy. Seitchik J, et al. **Am J Obstet Gynecol** 1982 Jun 15;143(4):393–7

Randomized control trial of external cephalic version with tocolysis in late pregnancy. Van Dorsten JP, et al. **Am J Obstet Gynecol** 1981 Oct 15;141(4):417–24

Mother-infant interaction: implications for adolescent mothering. Kennell JH, et al. **Birth Defects** 1981; 17(3):123–9

Anesthetic considerations for breech or twin delivery. James FM 3d. **Clin Perinatol** 1982 Feb;9(1):77–94 (68 ref.)

Pregnancy and delivery at the age of forty and over. Kujansuu E, et al. **Int J Gynaecol Obstet** 1981 Aug; 19(4):341–5

Intrathoracic pressure and volume changes during the spontaneous onset of respiration in babies born by cesarean section and by vaginal delivery. Vyas H, et al. **J Pediatr** 1981 Nov;99(5):787–91

Delivery of second twin [letter] **Obstet Gynecol** 1982 May; 59(5):667–9

Aggressive obstetric management in late second-trimester deliveries. Dillon WP, et al. **Obstet Gynecol** 1981 Dec; 58(6):685–90

Vaginal delivery in patients with a prior cesarean section. Lavin JP, et al. **Obstet Gynecol** 1982 Feb;59(2):135–48

Intrapartum fetal monitoring in preterm deliveries: prospective study. Westgren M, et al. **Obstet Gynecol** 1982 Jul;60(1):99–106

Neonatal resuscitation. Stevens DC, et al. **SD J Med** 1981 Jul;34(7):15–22

[Vaginal delivery after prior monolayer isthmus-transverse intraperitoneal cesarean section] Komitov P. **Akush Ginekol (Sofiia)** 1981;20(4):295–8 **(Bul)**

[Upright position of the woman in labor] Presl J. **Cesk Gynekol** 1982 Feb;47(1):10–2 **(Cze)**

[Trends in modern obstetrics in the mother-child relationship] Sráček J. **Cesk Gynekol** 1981 Apr;46(3):191–2 **(Cze)**

['Normal' deliveries in rural areas; various ideas on the iatrogenesis of abnormal childbirth] van de Wetering de Rooij WF. **Ned Tijdschr Geneeskd** 1982 Apr 10; 126(15):652–8 (Eng. Abstr.) **(Dut)**

[Cord clamping at birth - considerations for choosing the right time (author's transl)] Künzel W. **Z Geburtshife Perinatol** 1982 Apr-May;186(2):59–64 (Eng. Abstr.) **(Ger)**

[Cell-mediated immunity indices with different methods of delivery] Kintraia Pla, et al. **Akush Ginekol (Mosk)** 1981 Oct;(10):38–40 (Eng. Abstr.) **(Rus)**

[Obstetrical procedure in acute fatty hepatosis in pregnant women] Martynov KA, et al. **Akush Ginekol (Mosk)** 1982 Mar;(3):6–8 **(Rus)**

[Basic principles of the delivery of patients with the hypoxic syndrome under hyperbaric oxygenation] Vanina LV, et al. **Akush Ginekol (Mosk)** 1981 Oct;(10):20–2 (Eng. Abstr.) **(Rus)**

[Importance of studying external respiration for determining the indications for delivery under hyperbaric oxygenation] Pavlova SS, et al. **Anesteziol Reanimatol** 1982 Jan-Feb; (1):7–9 (Eng. Abstr.) **(Rus)**

[Psychodynamic aspects of the father's presence at birth] Bokun P, et al. **Srp Arh Celok Lek** 1980 Oct;108(10):1045–7 (Eng. Abstr.) **(Scc)**

[Current management of pelvic presentation] Ramírez Cueto G, et al. **Ginecol Obstet Mex** 1981 Apr;49(294):263–71 (Eng. Abstr.) **(Spa)**

PSYCHOLOGY

Psychopharmacotherapy of anxiety in the first years of life. Cocchi R. **Agressologie** 1981 Nov;22(D):5–8 (35 ref.)

['Normal' childbirth] Huygen FJ. **Ned Tijdschr Geneeskd** 1982 Apr 10;126(15):678–9 **(Dut)**

[Sense and nonsense in the influence of psychology on obstetrics] Muth H. **Geburtshilfe Fraunheilkd** 1981 Dec; 41(12):890–3 **(Ger)**

DELIVERY, ABDOMINAL see **CESAREAN SECTION**

DELIVERY OF HEALTH CARE

see related

CONSUMER PARTICIPATION

The Alaskan opportunity to plan and develop health care resources and to promote improved health status. Hammett R. **Alaska Med** 1981 Jul-Aug;23(4):49–50

Delivery system for emergency cardiac care: the medical plan of action. Warren JV. **Am J Cardiol** 1982 Aug; 50(2):370–2

Presidential address: science in the service of the ill. Freedman DX. **Am J Psychiatry** 1982 Sep;139(9):1087–95

Toward the definition and delivery of appropriate care. Glick ID, et al. **Am J Psychiatry** 1982 Jul;139(7):908–9

A diarrhea clinic in rural Bangladesh: influence of distance, age, and sex on attendance and diarrheal mortality. Rahaman MM, et al. **Am J Public Health** 1982 Oct; 72(10):1124–8

A surgeon returns to Vietnam. Constable JD. **Am J Surg** 1982 Apr;143(4):443–9

Modern and traditional medicine: the case of Mali. Imperato PJ. **Ann Intern Med** 1981 Nov;95(5):650–1

Medical care and the arthritis sufferer: a survey in outer Melbourne. Maddox J. **Aust Fam Physician** 1981 Nov; 10(11):876–82

Look before you leap. Bedford WR. **Can Dent Assoc J** 1982 Feb;48(2):96–7

Delivery of dental care to the disabled. Stiefel DJ. **Can Dent Assoc J** 1981 Oct;47(10):657–62

Attitudes of health care providers toward slow-scan video. Higgins CA, et al. **Can Med Assoc J** 1982 Aug 1;127(3):225

Traditional medicine and its promotion in the Zimbabwean village Nyabanga, Inyanga district. Peltzer K. **Cent Afr J Med** 1981 Oct;27(10):205–8

An experiment in automated health care evaluation from narrative medical records. Hirschman L, et al. **Comput Biomed Res** 1981 Oct;14(5):447–63

Mental health and general health care. Pardes H, et al. **Curr Psychiatr Ther** 1981;20:369–77

Telemedicine: the next-best thing to being there. Furtado R. **Dimens Health Serv** 1982 Mar;59(3):10–2

Delivering pharmaceutical services from a decentralized pharmacy--health care system in Spain. Bonal J, et al. **Drug Intell Clin Pharm** 1982 Feb;16(2):141–3

Traditional Indian Medical systems as a field of study for medical geographers. Ramesh A, et al. **Geogr Med** 1981; 11:116–40

The impact of population redistribution on service delivery. Longino CF Jr, et al. **Gerontologist** 1982 Apr;22(2):153–9

Hawaiians and medicine. Mills GH. **Hawaii Med J** 1981 Oct; 40(10):272–6

Health and medical firsts in Hawaii. Schmitt RC. **Hawaii Med J** 1981 Oct;40(10):284–9 (123 ref.)

Optimizing the dental delivery system. Bailit HL. **Int Dent J** 1982 Mar;32(1):65–73 (14 ref.)

Birth planning in Cuba: a basic human right. Swanson JM. **Int J Nurs Stud** 1981;18(2):81–8

Holistic health care. Jacobs AD. **Int J Orthod** 1981 Dec; 19(4):15–6

Evaluation of personal health services as a basis for health planning. A review with applications for Israel. Tulchinsky TH. **Isr J Med Sci** 1982 Feb;18(2):197–209 (81 ref.)

Patient care telephone calls received in family practice offices. Brown JM, et al. **J Fam Pract** 1982 Mar; 14(3):527–32

Kenya: a case study in Third World medicine. Kaufman A, et al. **J Fam Pract** 1982 Mar;14(3):609–10

Where you stand depends on where you sit: musings on the regulation/competition dialogue. Cohodes DR. **J Health Polit Policy Law** 1982 Spring;7(1):54–79

A retrospective on the 'New Perspective'. Evans R. **J Health Polit Policy Law** 1982 Summer;7(2):325–44

Inequality in levels of health in England and Wales, 1891-1971. Hollingsworth JR. **J Health Soc Behav** 1981 Sep;22(3):268–83

Collective responsibility in health care. Downie RS. **J Med Philos** 1982 Feb;7(1):43–56

President's column: survival of black health care providers. Royal FS. **J Natl Med Assoc** 1981 Oct;73(10):915–6

Health services in Mexico. Lopez-Acuña D. **J Public Health Policy** 1980 Mar;1(1):83–95

Comparison of health care delivery in Britain and the United States. Linhardt GE Jr, et al. **Md State Med J** 1982 Jul; 31(7):41–5

Computerized health information systems in the 1980s. Jenkin M. **Med Inf (Lond)** 1982 Jan-Mar;7(1):1–6

Health maintenance organizations and the rationing of medical care. Luft HS. **Milbank Mem Fund Q** 1982 Spring; 60(2):268–306

Good health is not for sale--what then are doctors for? Smith JE. **Minn Med** 1982 Jun;65(6):374–7

Health care in the developing world [letter] Fettner AG. **N Engl J Med** 1982 Mar 18;306(11):682

Special report. Health-policy issues and the predicament in Poland. Webster TG. **N Engl J Med** 1982 Feb 4; 306(5):308–12

Illness onset and levels of health care provided: a study of 213 families. Taylor RB, et al. **NC Med J** 1981 Aug; 42(8):548–50

The adventures of Joey in Patientland a futuristic fantasy. Thomas SP. **Nurs Forum** 1980;19(4):351–6

Mobile health care services in developing countries. Torfs ME. **Public Health Rev** 1980 Jan-Jun;9(1-2):93–112 (33 ref.)

A model of the demand for medical and health services in Peninsular Malaysia. Heller PS. **Soc Sci Med** 1982; 16(3):267–84

Political process and the integration of traditional and western medicine in the People's Republic of China. Rosenthal MM. **Soc Sci Med [a]** 1981 Sep;15(5):599–613

Diagnosis and cure: the resort to traditional and modern medical practitioners in the North Solomons, Papua New Guinea. Hamnett MP, et al. **Soc Sci Med [B]** 1981 Oct; 15(4):489–98

What is the obligation of the medical profession in the distribution of health care? Daniels N. **Soc Sci Med [F]** 1981 Dec;15F(4):129–33

The right to health care: some cross-national comparisons an U.S. trends in policy. Kaufmann CL. **Soc Sci Med [F]** 1981 Dec;15F(4):157–62

Evaluating the impact of medical care and technologies on the quality of life: a review and critique. Najman JM, et al. **Soc Sci Med [F]** 1981 Sep;15(2-3):107–15

Justice and a universal right to basic health care. Ozar DT. **Soc Sci Med [F]** 1981 Dec;15F(4):135–41

Symposium on surgical health care delivery. **Surg Clin North Am** 1982 Aug;62(4):557–794

Organizational and financial influences on patterns of surgical care. LoGerfo JP. **Surg Clin North Am** 1982 Aug; 62(4):677–84

President's page: the rationing of medical care PART III: another alternative. Motzel AJ Jr. **Wis Med J** 1981 Oct; 80(10):7, 6

[Multidimensional structure of healing in Kinshasa, capital of Zaire] Kimpianga J, et al. **Soc Sci Med [B]** 1981 Jul; 15(3):341–9 **(Fre)**

[Organizational aspects of medical service delivery to acutely ill children in urban polyclinics] Andrievskii BP. **Pediatriia** 1982 Jan;(1):52–4 **(Rus)**

[Experience gained by a specialized medical team in city clinics] Fedoseev AS, et al. **Sov Zdravookhr** 1981;(12):36–8 (Eng. Abstr.) **(Rus)**

[Tasks of the USSR Academy of Medical Sciences in the light of decisions of the 26th Congress of the Communist Party] Blokhin NN. **Vestn Akad Med Nauk SSSR** 1981;(11):12–9 **(Rus)**

[Results of the 26th Congress of the USSR Communist Party and the tasks of the medical services and medical science] Burenkov SP. **Vestn Akad Med Nauk SSSR** 1981;(11):3–11 **(Rus)**

[Medical practice in a North African country (letter)] Jovanovski V. **Srp Arh Celok Lek** 1982 Nov; 109(11):1559–61 **(Scc)**

[Problems in our health work (author's transl)] Krajina Z. **Lijec Vjesn** 1981 Jul;103(7):273–6 **(Scr)**

[Conditions of technology official in Costa Rica] Valerín C. **Bol Of Sanit Panam** 1982 Jun;92(6):543–5 **(Spa)**

ECONOMICS

Effect of Reaganomics on the U.S. health-care system. Enright SM. **Am J Hosp Pharm** 1982 Jul;39(7):1169–75

Cost containment in the health care field and the antitrust laws. Shapiro DI. **Am J Law Med** 1982 Winter;7(4):425–35

ASMT white paper on health care cost containment. **Am J Med Technol** 1981 Aug;47(8):603–6

Containing cost through competition: the new wave. Del Polito GA. **Am J Med Technol** 1981 Aug;47(8):607–11

Federal-provincial fiscal arrangements: interns' and residents' views. Canadian Association of Internes and residents. **Can Med Assoc J** 1982 May 15;126(10):1136–8

Medicare is financially sick. Richard L. **Can Med Assoc J** 1982 Apr 1;126(7):838–42

Trends in health care cost--the contribution of technology. Deber R. **Dimens Health Serv** 1982 Jan;59(1):16–9

Government financing- where do we stand [editorial] Martin JC. **Dimens Health Serv** 1982 Jul;59(7):4–5 **(Eng, Fre)**

Competition and the marketplace for health care—it won't be problem free. Heyssel RM. **Hospitals** 1981 Nov 16; 55(22):107–8, 110, 113–4

Free-market system is still the best answer. Knieser K. **Hospitals** 1982 Jan 1;56(1):31

A quest for certainty: views, memoirs, and predictions on health care economics. Rorem CR. **Inquiry** 1982 Summer; 19(2):99–104

Government's role in health care financing and delivery. Brandt EN Jr. **J Fla Med Assoc** 1982 Mar;69(3):175–8

Health care financing - the '80s. Doiron SA. **J Fla Med Assoc** 1982 Mar;69(3):208–11

The changing economic framework for U.S. health care in the 1980s. Ginzberg E. **J Fla Med Assoc** 1982 Mar; 69(3):172–4

The patient's role in health care financing and delivery. Myerson B. **J Fla Med Assoc** 1982 Mar;69(3):202–5

The physician's role in health care financing and delivery. Sammons JH. **J Fla Med Assoc** 1982 Mar;69(3):187–9

Economic dependency, health services, and health: the case of Lesotho. Gish O. **J Health Polit Policy Law** 1982 Winter; 6(4):762–79

Reflections on the American health care condition. Klein R. **J Health Polit Policy Law** 1981 Summer;6(2):188–204

Implementing a competitive medical care system through public policy. McClure W. **J Health Polit Policy Law** 1982 Spring; 7(1):2–44

Corporate rationalization of American health care: a visitor's appraisal. Pollitt C. **J Health Polit Policy Law** 1982 Spring; 7(1):227–53

'Pro-competition': panacea for rising health care costs or just the opposite? Somers AR. **J Med Soc NJ** 1981 Dec; 78(13):911–4

Cost/benefit analysis-another dimension. Hess OW. **Med Instrum** 1982 Jan–Feb;16(1):76–7

We are all someone's doctor - let's confide about costs. McGillicuddy JE. **Mich Med** 1981 Sep;80(26):480

Cost, quality of medical care ranked in MSMS survey. Scholten M. **Mich Med** 1981 Oct;80(29):518–20

President's letter health care costs and medical practice. McCarthy CJ. **Minn Med** 1981 Oct;64(10):587–8

President's Letter: Deregulation, Competition, and Phase IV. McCarthy CJ. **Minn Med** 1981 Dec;64(12):732–3

Controlling health-care costs [letter] **N Engl J Med** 1982 May 13;306(19):1184

Sounding boards. Competition and health care: a new Trojan horse? Caper P. **N Engl J Med** 1982 Apr 15;306(15):928–9

Sounding boards. What is wrong with the language of medicine? Fein R. **N Engl J Med** 1982 Apr 8;306(14):863–4

Health policy report. Health care and American business. Iglehart JK. **N Engl J Med** 1982 Jan 14;306(2):120–4

Health care and American business [letter] Levin PJ, et al. **N Engl J Med** 1982 Jul 29;307(5):320

Sounding boards. Moderating the rise in health-care costs: a pragmatic beginning. Somers AR. **N Engl J Med** 1982 Oct 7;307(15):944–7

Medical school corner - dean's page. Connell AM. **Nebr Med J** 1982 Jan;67(1):14

The passing days of the passive physician. Blackwell R, et al. **Ohio State Med J** 1981 Sep;77(9):541–5

Know the facts about medical care costs. Rial WY. **Pa Med** 1981 Sep;84(9):14

Block grants and the resurgence of federalism. Brandt EN Jr. **Public Health Rep** 1981 Nov–Dec;96(6):495–7

Federal health services grants, 1980. Zwick DI. **Public Health Rep** 1981 Nov–Dec;96(6):498–502

Management of end stage renal disease (ESRD) -- the debate continues. Feng PH. **Singapore Med J** 1982 Feb;23(1):1–2

Financing health care in a static economy. Deeble JS. **Soc Sci Med** 1982;16(6):713–24

Future directions for case-mix applications. Reiss JB. **Top Health Care Financ** 1982 Summer;8(4):67–78

[National research program on the economy and efficacy of the health system in Switzerland: scientific objective and practical aspects] Tschopp P. **Soz Praventivmed** 1981 May;26(1–2):6–11 (Eng. Abstr.) **(Fre)**

[Cost control in supply economy. A suggested solution for health care] Winckelmann HJ. **MMW** 1981 Dec 18; 123(51–52):1961–4 **(Ger)**

LEGISLATION & JURISPRUDENCE

Removing some impediments to development of America's third- and fourth-generation health care delivery systems: legal aspects of computer medicine. Norris JA, et al. **Am J Law Med** 1981 Summer;7(2):iii–viii

What good is legislation—or planning—if we can't make it work? The need for a comprehensive approach to health and welfare. Snoke AW. **Am J Public Health** 1982 Sep; 72(9):1028–33

Antitrust in health care. Boland JM. **Colo Med** 1982 Mar; 79(3):116–8

Reconciling the antitrust laws and the health care laws: a step-backward? Berg RN. **J Med Assoc Ga** 1981 Aug; 70(8):577–9

A profile/interview of Jose Martinez, MD, Chairman of the Faculty's Legislative Committee [interview by Blaine Taylor] Martinez J. **Md State Med J** 1982 Jan;31(1):9–11

Health regulatory reform: reality or rhetoric? Stetler CJ. **Med Times** 1981 Aug;109(8):3

The health care industry and the antitrust laws: on a collision course? Halper HR. **Mich Med** 1981 Sep;80(26):473–8

Procompetition. Evans BE. **NY J Dent** 1982 Apr; 52(4):108–10

Policy shifts and their impact on health care for elderly persons. Estes CL, et al. **West J Med** 1981 Dec;135(6):511–8

Commentary from Coeur d'Alene. Fox ER. **West J Med** 1982 Feb;136(2):179–80

[Bill 27 and the health care system in Quebec] Berlinguet M. **Union Med Can** 1982 Jun;111(6):518–21 (Eng. Abstr.) **(Fre)**

ORGANIZATION & ADMINISTRATION

A transdisciplinary mobile intervention program for rural areas (developmental disabilities, pediatrics, rural health). Magrun WM, et al. **Am J Occup Ther** 1982 Feb;36(2):90–4

Extension of health service coverage in Puno, Peru. Mendizábal G, et al. **Bull Pan Am Health Organ** 1981; 15(2):121–30

Community development: an approach to health care of Indians [editorial] Bain HW. **Can Med Assoc J** 1982 Feb 1;126(3):223–4

President's page: access to medical care. Frelick RW. **Del Med J** 1981 Sep;53(9):437–8

Looking into Australian hospitals. Lynch T. **Dimens Health Serv** 1981 Oct;58(10):38, 40

Israel health review. Tulchinsky TH, et al. **Isr J Med Sci** 1982 Mar;18(3):345–55

Dentistry in Denmark: a public and private blend of dental policy and delivery. Moore R. **J Am Dent Assoc** 1982 May; 104(5):661–9

Physician control of the health care system—fact or fancy? Holsinger JW Jr. **J Med Assoc Ga** 1982 Mar;71(3):213–5

The delivery of human services: can program evaluation make a difference? Merwin CM. **J Nurs Adm** 1981 Jun; 11(6):27–9

Regionalization of perinatal care: results of a cooperative community based program. Hoekstra R, et al. **Minn Med** 1981 Oct;64(10):637–40

What characterizes an ideal health care system? Guidotti TL. **Pharos** 1981 Summer;44(3):20–3

Organizational levels of health and social care system. Indulski J, et al. **Sante Publique (Bucur)** 1981;24(1):27–39

Social work practice and community health: a planning-implementation model. Daniels MS. **Soc Work Health Care** 1980 Winter;6(2):39–51

Healt:. care that goes out to meet people. Technical discussions at the Thirty-fourth World Health Assembly. **WHO Chron** 1981;35(5):168–71

[Evaluation and decision. The decision maker's point of veiw. Results of a study in Quebec (author's transl)] Brunet J. **Rev Epidemiol Sante Publique** 1981;29(3):371–82 (Eng. Abstr.) **(Fre)**

[Present-day organization of rheumatological therapy in Poland] Celnik S, et al. **Reumatologia** 1981;19(2):131–5 **(Pol)**

[Problems of improving the health services and quality of health care] Kanep VV. **Vestn Akad Med Nauk SSSR** 1981; (11):26–32 (Eng. Abstr.) **(Rus)**

[Change the health care structure and give forensic psychiatry treatment aims] Lassenius B. **Nord Med** 1981 Sep;96(8–9):200–1 **(Swe)**

STANDARDS

Foreign MDs key to Bermuda medicine. Law C. **Can Med Assoc J** 1981 Nov 1;125(9):1053, 1056

The impact of seasonal population fluctuations on service delivery. Monahan DJ, et al. **Gerontologist** 1982 Apr; 22(2):160–3

Increasing the educational value of medical care evaluation: a model program. Bashook PG, et al. **J Med Educ** 1982 Sep;57(9):701–7

Evaluation of health care--an Australian perspective. Leeder SR. **Med J Aust** 1981 Jul 25;2(2):72–7

Exploring a paradox: belief in a crisis and general satisfaction with medical care. Andersen RM, et al. **Milbank Mem Fund Q** 1982 Spring;60(2):329–54

Medical care in North Carolina jails. Taylor N, et al. **NC Med J** 1981 Aug;42(8):554–8

Women's health care: approaches in delivery to physically disabled women. Peters L. **Nurse Pract** 1982 Jan;7(1):34–7, 48

Health-oriented physician education. Jonas S. **Prev Med** 1981 Nov;10(6):700–9

Up front with the president. Alexander HC 3d. **Va Med** 1981 Dec;108(12):764–5

[Factors that affect the attendance of polyclinic-ambulatory facilities] Sokolov VD. **Sov Zdravookhr** 1982;(3):39–42 **(Rus)**

TRENDS

A great potential...an awesome burden. Brandt EN Jr. **Ala J Med Sci** 1982 Apr;19(2):206–8

The delivery of health care in the next two decades: a case for prepaid group practice. Kahn L. **Ala J Med Sci** 1981 Oct;18(4):424–9

Cos, Cnidos, and CAOG. Rhodes FH. **Am J Obstet Gynecol** 1982 Jun 1;143(3):259–64

Health services research and change in the health services system. Jahiel RI. **Ann NY Acad Sci** 1982;387:57–67

Federal peer review: fact of fiction? Edwards CC. **Colo Med** 1981 Apr;78(4):103–6

China hands [interview] Pan C. **Colo Med** 1981 Mar; 78(3):67–9

Health care takes on Telidon. MacDonald W. **Dimens Health Serv** 1982 Mar;59(3):20, 22

How will Canada's health care system look in 1983? [editorial] Martin JC. **Dimens Health Serv** 1981 Jul; 58(7):6–7 **(Eng, Fre)**

Health for all by the year 2000. Mahler H. **Indian J Pediatr** 1981 Nov–Dec;48(395):669–76

Democracy, authoritarianism, and health in Argentina. Escudero JC. **Int J Health Serv** 1981;11(4):559–72

The optometrist's role in public health. Marshall EC. **J Am Optom Assoc** 1982 May;53(5):371–8

Is optometry compatible with the changing health care and hospital scene in America. Tannebaum S. **J Am Optom Assoc** 1982 May;53(5):397–402

Getting the most out of more. Holmes RB. **J Can Assoc Radiol** 1982 Jun;33(2):68–76

Sweden's crisis in medical care: political and legal changes. Hessler RM, et al. **J Health Polit Policy Law** 1982 Summer; 7(2):440–59

Mozambique: progress toward health care for everyone. Sheppard S. **J Health Polit Policy Law** 1981 Fall;6(3):520–7

Health care in 20 years' time: to maintain their standing, doctors will have to adapt to their patients' requirements. Ryan JG. **Med J Aust** 1982 Jun 26;1(13):567–8, 571

When health care becomes a business [letter] O'Rourke KD. **N Engl J Med** 1982 Feb 18;306(7):434

Patterns of health care delivery in Canada. Berger E. **Neurosurgery** 1981 Jul;9(1):95–6

Barriers to serving the chronically mentally ill. Miller GE. **Psychiatr Q** 1981 Summer;53(2):118–31

Comparative studies of health care systems. Lee RP. **Soc Sci Med** 1982;16(6):629–42

Traditional healers and health care delivery in Tanzania. Mshiu EN, et al. **Trop Doct** 1982 Jul;12(3):142–3

[French medicine and monsoon Asia] Huard P, et al. **Bull Acad Natl Med (Paris)** 1981 Jun;165(6):705–9 **(Fre)**

[Principal trends in an analysis of the operations of polyclinic institutions for the adult populations] Kirillov VV, et al. **Ter Arkh** 1982;54(4):104–7 (Eng. Abstr.) **(Rus)**

DELIVERY ROOMS see under **OPERATING ROOMS**

DELPHI TECHNIC see under **QUESTIONNAIRES**

DELTA RHYTHM see under **ELECTROENCEPHALOGRAPHY**

DELTAMYCINS see **LEUCOMYCINS**

DELUSIONS

[Transfert, erotomania, delusional love during psychotherapy of psychoses] Deumié L. **Ann Med Psychol (Paris)** 1981 Mar;139(3):356–62 **(Fre)**

[Dynamics of delusions during the late stages of paranoid schizophrenia] Medvedev AV. **Zh Nevropatol Psikhiatr** 1981;81(9):1356–61 (Eng. Abstr.) **(Rus)**

CHEMICALLY INDUCED

A rare case of Capgras syndrome observed in wake-amine induced psychosis. Kimura S, et al. **Folia Psychiatr Neurol Jpn** 1981;35(1):43–54

CLASSIFICATION

[Remarks of the nosology of delirium tremens and acute alcoholic hallucinosis (author's transl)] Sobczyk P. **Psychiatr Pol** 1981 Mar-Apr;15(2):183-7 (33 ref.) **(Pol)**

COMPLICATIONS

Co-existence of incubus and Capgras syndromes. Pande AC. **Br J Psychiatry** 1981 Nov;139:469-70

Monosymptomatic psychoses which progress to schizophrenia. Munro A, et al. **J Clin Psychiatry** 1981 Dec; 42(12):474-6

DIAGNOSIS

Psychosis as a predictor of response to lithium maintenance treatment in bipolar affective disorder. Rosenthal NE, et al. **J Affective Disord** 1979 Dec;1(4):237-45

Delusional hair loss [letter] Roberts JA. **Med J Aust** 1981 Oct 17;2(8):391

[The delusive parasitosis syndrome (acarophobia) (author's transl)] Vacek J. **Cesk Dermatol** 1982 Apr;57(2):94-102 **(Cze)**

[A patient with a present-day organic psychosyndrome] Bleeker JA, et al. **Ned Tijdschr Geneeskd** 1982 Apr 10; 126(15):649-51 **(Dut)**

[The psychotic syndrome of self smell delusion in childhood] Knitter H. **Padiatr Grenzgeb** 1981;20(6):415-22 (Eng. Abstr.) **(Ger)**

[Systems-structure analysis of delusional disorders] Derecha VA. **Zh Nevropatol Psikhiatr** 1982;82(3):83-7 (Eng. Abstr.) **(Rus)**

DRUG THERAPY

Delusions of infestation treated by pimozide: a double-blind crossover clinical study. Hamann K, et al. **Acta Derm Venereol (Stockh)** 1982;62(1):55-8

ETIOLOGY

[The effect of different cultural backgrounds and religious ideas on the formation of delusions in schizophrenia (author's transl)] Pu JY. **Chung Hua Shen Ching Ching Shen Ko Tsa Chih** 1981 Aug; 14(3):174-5 **(Chi)**

PSYCHOLOGY

Delusions: when to confront the facts of life. Rudden M, et al. **Am J Psychiatry** 1982 Jul;139(7):929-32

Symbols, symptoms, and delusions: an existential analysis. Niv MD. **Am J Psychoanal** 1981 Fall;41(3):239-47

Psychotic symptoms in prepubertal major depressive disorder. Chambers WJ, et al. **Arch Gen Psychiatry** 1982 Aug;39(8):921-7

On the psychopathology of persecutory delusions. Freeman T. **Br J Psychiatry** 1981 Dec;139:529-32

Identity alterations and prognosis in schizophrenia. Yarden PE, et al. **Br J Psychiatry** 1981 Jun;138:495-7

Delusions that will not be denied. Cannon A. **J Anal Psychol** 1980 Apr;25(2):141-52

Delusions of innocence and antagonistic delusory ideas. Nash JL. **J Clin Psychiatry** 1982 Aug;43(8):336-7

Delusional misidentification syndromes and cerebral 'dysrhythmia'. Christodoulou GN, et al. **Psychiatr Clin (Basel)** 1981;14(4):245-51

[Delusions of infestation, dermatozooses and delusional ectoparasitoses, Ekbom syndrome] Bourgeois M, et al. **Ann Med Psychol (Paris)** 1981 Jul;139(7):819-28 **(Fre)**

[Systems theory and problem of delusions (author's transl)] Schleiffer R. **Nervenarzt** 1981 Sep;52(9):516-21 **(Ger)**

[The significance of the irrational in delusions] Lenz H. **Z Klin Psychol Psychother** 1981;29(2):178-89 **(Ger)**

[Conforming delusions] Morkovkina IV. **Zh Nevropatol Psikhiatr** 1982;82(4):71-7 (Eng. Abstr.) **(Rus)**

THERAPY

Solitary psychosis--three cases of monosymptomatic delusion of alimentary stench treated with behavioural psychotherapy. Beary MD, et al. **Br J Psychiatry** 1981 Jan; 138:64-6

DEMECLOCYCLINE see **DEMETHYLCHLORTETRACYCLINE**

DEMECOLCINE

ADMINISTRATION & DOSAGE

[In vivo cell cycle synchronization of the murine sarcoma 180 by continuous colcemid infusion (author's transl)] Nomura T. **Nippon Seikeigeka Gakkai Zasshi** 1980 Dec; 54(12):1719-32 (Eng. Abstr.) **(Jpn)**

PHARMACODYNAMICS

The effect of ploidy and colcemid on the frequency of spontaneous transformation of cultured cells. Saggioro D, et al. **Cell Biol Int Rep** 1982 Jan;6(1):29-38

A comparative investigation of the antimitotic action of 2-mercaptoethanol and colcemid on V-79 Chinese hamster cells. Speit G, et al. **Cell Tissue Kinet** 1982 Jul;15(4):413-21

Effect of colcemid on the centriole cycle in Chinese hamster ovary cells. Kuriyama R. **J Cell Sci** 1982 Feb;53:155-71

Polyploidy and aneuploidy induced by colcemid in Drosophila melanogaster. Held LI Jr. **Mutat Res** 1982 May; 94(1):87-101

Structural and functional alterations in microtubule protein from Chinese hamster ovary cell mutants. Keates RA, et al. **Proc Natl Acad Sci USA** 1981 Sep;78(9):5638-42

[Effect of colchamine on regenerative processes in body fragments of Dugesia tigrina (Girard) planaria] Krichinskaia EB, et al. **Biol Nauki** 1981;(9):64-8 **(Rus)**

DEMENTIA

Managing families of the demented elderly. Reifler BV, et al. **J Fam Pract** 1982 Jun;14(6):1051-6

The impact of dementia on the family. Rabins PV, et al. **JAMA** 1982 Jul 16;248(3):333-5

BLOOD

Red-cell/plasma choline ratio in dementia [letter] Barclay LL, et al. **N Engl J Med** 1982 Aug 19;307(8):501

CEREBROSPINAL FLUID

[The relationship between coagulation and fibrinolysis factors of cerebrospinal fluid and cerebrovascular dementia (author's transl)] Kobayashi Y. **Nippon Ika Daigaku Zasshi** 1982;49(3):370-9 (Eng. Abstr.) **(Jpn)**

CHEMICALLY INDUCED

The dialysis dementia syndrome and aluminum intoxication. Sideman S, et al. **Nephron** 1982;31(1):1-10

COMPLICATIONS

Dialysis encephalopathy and osteomalacic bone disease: a case-controlled study. Prior JC, et al. **Am J Med** 1982 Jan; 72(1):33-42

Coexistent dementia and depression.[letter] Faber R. **J Clin Psychiatry** 1982 Jul;43(7):300

[Olfaction and dementia. Preliminary results of a clinical and experimental study with N-propanol] Richard J, et al. **Acta Neurol Belg** 1981;81(6):333-51 (Eng. Abstr.) **(Fre)**

[Sleep apneas and mental deterioration in the elderly subject (author's transl)] Billiard M, et al. **Rev Electroencephalogr Neurophysiol Clin** 1981 Jul-Sep; 10(3):290-6 (Eng. Abstr.) **(Fre)**

DIAGNOSIS

Pseudodementia in an elderly woman with schizophrenia. Bienenfeld D, et al. **Am J Psychiatry** 1982 Jan;139(1):114-5

Refinements in the diagnosis of dementia. Wells CE. **Am J Psychiatry** 1982 May;139(5):621-2

Criteria for the diagnosis of dementia in the community elderly. Gurland BJ, et al. **Gerontologist** 1982 Apr; 22(2):180-6

Normal; pressure hydrocephalus: a treatable cause of dementia. Pierson EW, et al. **Nebr Med J** 1982 Jan;67(1):6

Distribution of focal signs in a group of demented men. Sluss TK, et al. **Neuropsychobiology** 1982 Mar-Apr;8(2):109-12

Managing the patient with dementia. Massey EW, et al. **Postgrad Med** 1982 May;71(5):207-15

Mental health issues in the elderly. Haryadi T. **Primary Care** 1982 Mar;9(1):143-59

Limits of the 'Mini-Mental State' as a screening test for dementia and delirium among hospital patients. Anthony JC, et al. **Psychol Med** 1982 May;12(2):397-408

Dementia, depression and the CT scan. Jacoby R. **Psychol Med** 1981 Nov;11(4):673-6 (51 ref.)

Elderly psychiatric patients: a five-year prospective study. Whitehead A, et al. **Psychol Med** 1982 Feb;12(1):149-57

Diagnosis and treatment of dementia in the aged. Small GW, et al. **West J Med** 1981 Dec;135(6):469-81 (105 ref.)

[A clinical dementia test] Nepper-Rasmussen J. **Ugeskr Laeger** 1981 Jun 29;143(27):1700-2 (Eng. Abstr.) **(Dan)**

[Critical follow-up study of subjects with senile plaques: neuropathological, clinical, and electroencephalographic data (author's transl)] Michaud P, et al. **Rev Electroencephalogr Neurophysiol Clin** 1981 Jul-Sep; 10(3):259-69 (Eng. Abstr.) **(Fre)**

[Differential diagnosis of dementing syndromes associated with vascular disease. Clinical and radiological findings (author's transl)] Goldenberg G, et al. **Nervenarzt** 1981 Jul; 52(7):405-14 **(Ger)**

[Clinical implications of brain atrophy by computed tomography in patients with age-related dementia (author's transl)] Imai Y, et al. **Nippon Ronen Igakkai Zasshi** 1981 Nov;18(6):441-9 (Eng. Abstr.) **(Jpn)**

DRUG THERAPY

Efficacy of antipsychotic medications in behaviorally disturbed dementia patients. Barnes R, et al. **Am J Psychiatry** 1982 Sep;139(9):1170-4

Dementia in Idiopathic hypoparathyroidism. Rapid efficacy of alfacalcidol. Mateo D, et al. **Arch Neurol** 1982 Jul; 39(7):424-5

Vasopressin treatment of cognitive dysfunction in progressive dementia. Weingartner H, et al. **Life Sci** 1981 Dec 28; 29(26):2721-6

[Dementia syndrome in depressive states. Efficacy of bromocriptine therapy (letter)] Julien J. **Nouv Presse Med** 1982 May 8;11(21):1639 **(Fre)**

ETIOLOGY

Mental deterioration, visuoperceptive disabilities and constructional apraxia in Parkinson's disease. Villardita C, et al. **Acta Neurol Scand** 1982 Jul;66(1):112-20

Progressive dialysis of encephalopathy in Singapore: a study of 18 cases. Devathasan G, et al. **Ann Acad Med Singapore** 1982 Jan;11(1):46-51

Neurologic complications of hyperthyroidism: remission of spastic paraplegia, dementia, and optic neuropathy. Bulens C. **Arch Neurol** 1981 Oct;38(10):669-70

Muscarinic binding and choline acetyltransferase activity in Parkinsonian subjects with reference to dementia. Ruberg M, et al. **Brain Res** 1982 Jan 28;232(1):129-39

Cardiogenic dementia [letter] **Lancet** 1981 Nov 21; 2(8256):1171

Cardiogenic dementia--a myth? Emerson TR, et al. **Lancet** 1981 Oct 3;2(8249):743-4

Gangliocytoma of third ventricle: hyperphagia, somnolence, and dementia. Beal MF, et al. **Neurology (NY)** 1981 Oct; 31(10):1224-8

Abnormalities of cerebral oxidative metabolism in animal models of Parkinson disease. Harik SI, et al. **Neurology (NY)** 1982 Apr;32(4):382-9

Dementia: the search for treatable causes. Delaney P. **South Med J** 1982 Jun;75(6):707-9

Dementia: a treatable syndrome? Liptzin B. **South Med J** 1981 Oct;74(10):1213-6

[Evaluation of intellectual functions in patients with Parkinson's disease. Bibliographic review] Piccirilli M, et al. **Riv Patol Nerv Ment** 1981 Sep-Oct;101(5):225-46 (135 ref.) (Eng. Abstr.) **(Ita)**

METABOLISM

Regional cerebral oxygen supply and utilization in dementia. A clinical and physiological study with oxygen-15 and positron tomography. Frackowiak RS, et al. **Brain** 1981 Dec;104(Pt 4):753-78

MICROBIOLOGY

Reovirus and the pathogenesis of some forms of chronic mental illness. Averback P. **Med Hypotheses** 1982 Apr; 8(4):383-91

MORTALITY

Delirium and dementia: diagnostic criteria and fatality rates. Rabins PV, et al. **Br J Psychiatry** 1982 Feb;140:149-53

Dementia and other competing risks for mortality in the institutionalized aged. Vitaliano PP, et al. **J Am Geriatr Soc** 1981 Nov;29(11):513-9

OCCURRENCE

Epidemiology of dementia in a Finnish population. Mölsä PK, et al. **Acta Neurol Scand** 1982 Jun;65(6):541-52

Amyotrophic lateral sclerosis and parkinsonism-dementia among Filipino migrants to Guam. Garruto RM, et al. **Ann Neurol** 1981 Oct;10(4):341-50

A deluge of dementia [editorial] Wells CE. **Psychosomatics** 1981 Oct;22(10):837, 840

PATHOLOGY

Senile plaques and tangles in dialysis dementia. Brun A, et al. **Acta Pathol Microbiol Scand [A]** 1981 May;89(3):193-8

Neuropathology of the cortical lesions of the Parkinsonian-dementia (PD) complex of Guam. Tan NT, et al. **Clin Exp Neurol** 1981;17:227-34

The noradrenergic system in Alzheimer and multi-infarct dementias. Mann DM, et al. **J Neurol Neurosurg Psychiatry** 1982 Feb;45(2):113-9

Case records of the Massachusetts General Hospital. Weekly clinicopathological exercises. Case 5-1982. A 15-year-old boy with slowly progressive dementia. **N Engl J Med** 1982 Feb 4;306(5):286-93

Nasu-Hakola's disease: an example of geographic neuropathology? [letter] Matsushita M. **Neurology (NY)** 1982 Mar;32(3):329

PSYCHOLOGY

Memory-learning impairments in progressive dementia and depression [letter] Weingartner H, et al. **Am J Psychiatry** 1982 Jan;139(1):135-6

Language impairment in dementia. Bayles KA, et al. **Ariz Med** 1982 May;39(5):308-11

Electroencephalograms in patients with progressive dialytic encephalopathy. Chokroverty S, et al. **Clin Electroencephalogr** 1982 Apr;13(2):122-7

Depression vs. pseudodepression in dementia. Morstyn R, et al. **J Clin Psychiatry** 1982 May;43(5):197-9

Clinical factors associated with dementia in ischaemic stroke. Ladurner G, et al. **J Neurol Neurosurg Psychiatry** 1982 Feb;45(2):97-101

Simple and choice reaction time in dementia: clinical implications. Pirozzolo FJ, et al. **Neurobiol Aging** 1981 Summer;2(2):113-7

THERAPY

Care of demented elderly persons [letter] Goldberg RJ.

Ann Intern Med 1981 Dec;95(6):781

DEMENTIA, MULTI-INFARCT see **DEMENTIA, SENILE**

DEMENTIA PRAECOX see **SCHIZOPHRENIA**

DEMENTIA, PRESENILE

Senile dementia. Alzheimer's type: the family and the health care delivery system. Aronson MK, et al. **J Am Geriatr Soc** 1981 Dec;29(12):568–71

Alzheimer's disease (senile dementia)' a research update and critique with recommendations. Glenner GG. **J Am Geriatr Soc** 1982 Jan;30(1):59–62

BLOOD

Fluctuations of free choline levels in plasma of Alzheimer patients receiving lecithin: preliminary observations. Chuaqui P, et al. **Br J Psychiatry** 1982 May;140:464–9

Uptake of 5-hydroxytryptamine by blood platelets in Huntington's chorea and Alzheimer type of presenile dementia. Tukiainen E, et al. **Med Biol** 1981 Apr; 59(2):116–20

CEREBROSPINAL FLUID

Acetylcholinesterase activities in cerebrospinal fluid of patients with senile dementia of Alzheimer type. Soininen H, et al. **Acta Neurol Scand** 1981 Sep;64(3):217–24

Homovanillic acid and 5-hydroxyindoleacetic acid levels in cerebrospinal fluid of patients with senile dementia of Alzheimer type. Soininen H, et al. **Acta Neurol Scand** 1981 Aug;64(2):101–7

CHEMICALLY INDUCED

[Dialysis dementia syndrome: pathogenesis and clinical course] Ermolenko VM. **Ter Arkh** 1981;53(6):133–7 (54 ref.) **(Rus)**

COMPLICATIONS

Presenile dementia with motor neuron disease -an additional case report-. Mitsuyama Y, et al. **Folia Psychiatr Neurol Jpn** 1981;35(1):35–42

Case studies in neuropsychiatry: diagnosis and treatment of coexistent dementia and depression. Snow SS, et al. **J Clin Psychiatry** 1981 Nov;42(11):439–41

Anterior horn cell dysfunction in Alzheimer's disease. Thomas M, et al. **J Neurol Neurosurg Psychiatry** 1982 Apr; 45(4):378–81

[Changes in sleep pattern in presenile and senile dementia (author's transl)] Michel B, et al. **Rev Electroencephalogr Neurophysiol Clin** 1981 Jul-Sep; 10(3):283–9 (Eng. Abstr.) **(Fre)**

[An autopsy case of Alzheimer's disease accompanied with periodic synchronous discharge and myoclonus (author's transl)] Miyanaga K, et al. **Rinsho Shinkeigaku** 1982 Feb; 22(2):128–34 (Eng. Abstr.) **(Jpn)**

[Alzheimer's disease associated with arteriosclerotic cerebrovascular lesions (author's transl)] Mitsuyama Y. **Seishin Shinkeigaku Zasshi** 1982;84(3):184–97 (Eng. Abstr.) **(Jpn)**

DIAGNOSIS

The electroencephalogram in dementia. Differential diagnostic value in Alzheimer's disease, senile dementia and multi-infarct dementia. Striano S, et al. **Acta Neurol (Napoli)** 1981 Dec;36(6):727–34

Differential diagnosis of presenile dementia on clinical grounds. Gustafson L, et al. **Acta Psychiatr Scand** 1982 Mar;65(3):194–209

Pseudodementia and schizophrenia [letter] Fisman M. **Am J Psychiatry** 1982 Jun;139(6):846

The Global Deterioration Scale for assessment of primary degenerative dementia. Reisberg B, et al. **Am J Psychiatry** 1982 Sep;139(9):1136–9

An overview of current concepts of Alzheimer's disease. Schneck MK, et al. **Am J Psychiatry** 1982 Feb; 139(2):165–73

Intrusions as a sign of Alzheimer dementia: chemical and pathological verification. Fuld PA, et al. **Ann Neurol** 1982 Feb;11(2):155–9

Alzheimer disease: evidence for selective loss of cholinergic neurons in the nucleus basalis. Whitehouse PJ, et al. **Ann Neurol** 1981 Aug;10(2):122–6

Reflections on Alzheimer's disease. Kushnir SL. **Can J Psychiatry** 1982 Feb;27(1):18–22

Misdiagnosis of Alzheimer's disease. Dickstein ES. **Geriatrics** 1982 Jan;37(1):155–62

Early myoclonus and quasiperiodic EEG changes in non-familial Alzheimer's disease. Mancardi GL, et al. **Ital J Neurol Sci** 1980 Jun;1(3):183–7

Age at onset of Pick's and Alzheimer's dementia: implications for diagnosis and research. Heston LL, et al. **J Gerontol** 1982 Jul;37(4):422–4

Are nursing home diagnosis and treatment inadequate? Sabin TD, et al. **JAMA** 1982 Jul 16;248(3):321–2

Plasma and erythrocyte acetylcholinesterase in senile dementia of Alzheimer type [letter] Perry RH, et al. **Lancet** 1982 Jan 16;1(8264):174–5

Demonstration of neurofibrillary tangles in paraffin sections: a quick and simple method using a modification of Palmgren's method. Cross RB. **Med Lab Sci** 1982 Jan; 39(1):67–9

Kluver-Bucy syndrome in Pick disease: clinical and pathologic correlations. Cummings JL, et al. **Neurology (NY)** 1981 Nov;31(11):1415–22

[Critical follow-up study of subjects with senile plaques: neuropathological, clinical, and electroencephalographic data (author's transl)] Michaud P, et al. **Rev Electroencephalogr Neurophysiol Clin** 1981 Jul-Sep; 10(3):259–69 (Eng. Abstr.) **(Fre)**

[Clinica criteria for differential diagnosis of cerebrovascular and primary degenerative dementia (author's transl)] Ladurner G, et al. **Nervenarzt** 1981 Jul;52(7):401–4 **(Ger)**

[An unusual case of Pick disease] Heim M, et al. **Psychiatr Neurol Med Psychol (Leipz)** 1982 Mar; 34(3):170–4 **(Ger)**

[Pathologico-anatomic diagnosis of senile dementia and Alzheimer's disease] Shefer VF. **Sud Med Ekspert** 1982 Apr-Jun;25(2):43–5 (Eng. Abstr.) **(Rus)**

DRUG THERAPY

Choline chloride in Alzheimer disease [letter] Thal LJ, et al. **Ann Neurol** 1981 Dec;10(6):580

Modest facilitation on memory in dementia with combined lecithin and anticholinerestase treatment. Kaye WH, et al. **Biol Psychiatry** 1982 Feb;17(2):275–80

Physostigmine and arecoline: effects of intravenous infusions in Alzheimer presenile dementia. Christie JE, et al. **Br J Psychiatry** 1981 Jan;138:46–50

Double blind study of lecithin in patients with Alzheimer's disease. Fisman M, et al. **Can J Psychiatry** 1981 Oct; 26(6):426–8

Lecithin and memory training in suspected Alzheimer's disease. Brinkman SD, et al. **J Gerontol** 1982 Jan;37(1):4–9 (15 ref.)

Paranoid psychosis after DDAVP therapy for Alzheimer's dementia. Collins GB, et al. **Lancet** 1981 Oct 10;2(8250):808

Lecithin in Alzheimer's disease [letter] Levy R. **Lancet** 1982 Sep 18;2(8299):671–2

Treatment of Alzheimer's disease: a cautionary note [letter] Powen DM, et al. **N Engl J Med** 1981 Oct 22;305(17):1016

Choline chloride fails to improve cognition of Alzheimer's disease. Thal LJ, et al. **Neurobiol Aging** 1981 Fall;2(3):205–8

Lysine vasopressin in Alzheimer disease. Durso R, et al. **Neurology (NY)** 1982 Jun;32(6):674–7

Alzheimer disease: lack of effect of lecithin treatment for 3 months. Etienne P, et al. **Neurology (NY)** 1981 Dec; 31(12):1552–4

Physostigmine in the treatment of memory disorders: a case report. Denber HC. **Psychiatr J Univ Ottawa** 1982 Mar; 7(1):8–12

[Correlations between E.E.G. spectral and plasma prolactin levels in elderly subjects (author's transl)] Agnoli A, et al. **Rev Electroencephalogr Neurophysiol Clin** 1981 Jul-Sep; 10(3):242–8 (Eng. Abstr.) **(Fre)**

ENZYMOLOGY

Choline acetyltransferase and acetylcholinesterase abnormalities in senile dementia: importance of biochemical measurements in human post-mortem brain specimens. Sorbi S, et al. **Ital J Neurol Sci** 1980 Mar;1(2):75–83

Platelet monamine oxidase in Alzheimer's disease. Smith RC, et al. **J Gerontol** 1982 Sep;37(5):572–4

Angiotensin converting enzyme in Alzheimer's disease increased activity in caudate nucleus and cortical areas. Arregui A, et al. **J Neurochem** 1982 May;38(5):1490–2

Cholinergic deficit in frontal cerebral cortex in Alzheimer's disease is age dependent [letter] Rossor MN, et al. **Lancet** 1981 Dec 19–26;2(8260–61):1422

Cholinesterase enzymes in the blood of patients with Alzheimer's disease. Smith RC, et al. **Life Sci** 1982 Feb 7;30(6):543–6

The substantia innominata in Alzheimer's disease: an histochemical and biochemical study of cholinergic marker enzymes. Rossor MN, et al. **Neurosci Lett** 1982 Feb 12; 28(2):217–22

ETIOLOGY

An epidemiologist views senile dementia--facts and fragments. Brody JA. **Am J Epidemiol** 1982 Feb; 115(2):155–62

A unifying hypothesis for the cause of amyotrophic lateral sclerosis, parkinsonism, and Alzheimer disease. Appel SH. **Ann Neurol** 1981 Dec;10(6):499–505

Congophilic angiopathy in the pathogenesis of Alzheimer's degeneration. Glenner GG, et al. **Ann Pathol** 1981; 1(2):120–9

Amyloidosis. Its role in Alzheimer's disease and other diseases. Glenner GG. **Ann Pathol** 1981;1(2):105–8 **(Eng, Fre)**

Posttraumatic premature Alzheimer's disease. Neuropathologic findings and pathogenetic considerations. Rudelli R, et al. **Arch Neurol** 1982 Sep;39(9):570–5

Dementia and confusional state in patients with cerebral infarcts. A clinicopathological study. de Reuck J, et al. **Eur Neurol** 1982;21(2):94–7

Reversible dementia in Down's syndrome. Thase ME. **J Ment Defic Res** 1982 Jun;26 (Pt2):111–3

Viruses, Parkinsonism and Alzheimer's disease [letter] Mann DM, et al. **J Neurol Neurosurg Psychiatry** 1981 Jul; 44(7):651

FAMILIAL & GENETIC

Cytogenetic studies of familial and sporadic Alzheimer disease. White BJ, et al. **Am J Med Genet** 1981;10(1):77–89

Dementia of the Alzheimer type. Clinical genetics, natural history, and associated conditions. Heston LL, et al. **Arch Gen Psychiatry** 1981 Oct;38(10):1085–90

A study of familial factors in Alzheimer's disease. Whalley LJ, et al. **Br J Psychiatry** 1982 Mar;140:249–56

Genetics of Alzheimer's disease [editorial] Harris R. **Br Med J [Clin Res]** 1982 Apr 10;284(6322):1065–6

Genetics of Alzheimer's disease [letter] Janota I. **Br Med J [Clin Res]** 1982 May 8;284(6326):1410

Genetics of Alzheimer's disease [letter] Whalley LJ. **Br Med J [Clin Res]** 1982 May 22;284(6328):1556

Hereditary Pick's disease: second re-examination of the large family and discussion of other hereditary cases, with particular reference to electroencephalography, a computerized tomography. Groen JJ, et al. **Brain** 1982 Sep; 105 (Pt 3):443–59

The familial occurrence of Creutzfeldt-Jakob disease and Alzheimer's disease. Masters CL, et al. **Brain** 1981 Sep; 104(3):535–58

Some critical remarks on the problem of HLA association with disease. Májský A, et al. **Folia Haematol (Leipz)** 1981; 108(3):386–91

Amyloidosis: the hereditary disorders, including Alzheimer's disease. Glenner GG. **J Lab Clin Med** 1981 Dec; 98(6):807–10

Changes in chromatin structure associated with Alzheimer's disease. Lewis PN, et al. **J Neurochem** 1981 Nov; 37(5):1193–202

Congophilic angiopathy of the brain: a clinical and pathological report on two siblings. Griffiths RA, et al. **J Neurol Neurosurg Psychiatry** 1982 May;45(5):396–408

Language disorder predicts familial Alzheimer's disease. Folstein MF, et al. **Johns Hopkins Med J** 1981 Oct; 149(4):145–7

[Gerstmann-Sträussler-Scheinker disease. Anatomoclinical and genealogical study] Foncin JF, et al. **Rev Neurol (Paris)** 1982;138(2):123–35 (Eng. Abstr.) **(Fre)**

[Familial presenile dementia: Gerstmann-Sträussler-Scheinker's syndrome (author's transl)] Warter JM, et al. **Rev Neurol (Paris)** 1982; 138(2):107–21 (Eng. Abstr.) **(Fre)**

[A cytogenetic investigation on patients with Alzheimer's disease (author's transl)] Homma A. **Nippon Ronen Igakkai Zasshi** 1981 Sep;18(5):308–18 (Eng. Abstr.) **(Jpn)**

[Suspected cases of familial Alzheimer's disease-a case report and a study on aneuploidy in leukocytes (author's transl)] Muramoto O, et al. **No To Shinkei** 1982 Jan;34(1):71–6 (Eng. Abstr.) **(Jpn)**

IMMUNOLOGY

Immunological parameters in Alzheimer's pre-senile dementia. Pentland B, et al. **Acta Psychiatr Scand** 1982 May;65(5):375–9

Humoral immunity in Guamanians with amyotrophic lateral sclerosis and parkinsonism-dementia. Hoffman PM, et al. **Ann Neurol** 1981 Aug;10(2):193–6

Immunological studies in senile dementia of the Alzheimer type: evidence for enhanced suppressor cell activity. Miller AE, et al. **Ann Neurol** 1981 Dec;10(6):506–10

Immunological indices in the cerebrospinal fluid of patients with presenile dementia of the Alzheimer type. Jonker C, et al. **Br J Psychiatry** 1982 Jan;140:44–9

The significance of anti-neuronal antibodies in Alzheimer's disease. Watts H, et al. **J Neuroimmunol** 1981 Mar; 1(1):107–16

Histocompatibility antigens (HLA) and patterns of cognitive loss in dementia of the Alzheimer type. Cohen D, et al. **Neurobiol Aging** 1981 Winter;2(4):277–80

METABOLISM

Instrumental neutron activation analysis of brain aluminum in Alzheimer disease and aging. Markesbery WR, et al. **Ann Neurol** 1981 Dec;10(6):511–6

Myelin basic protein in Alzheimer disease neuronal fractions and mammalian neurofilament preparations. Selkoe DJ, et al. **Ann Neurol** 1981 Nov;10(5):429–36

Neuronal lipofuscin accumulation in ageing and alzheimer dementia: a pathogenic mechanism? Dowson JH. **Br J Psychiatry** 1982 Feb;140:142–8

Cortical substance P-like immunoreactivity in cases of Alzheimer's disease and senile dementia of the Alzheimer type. Crystal HA, et al. **J Neurochem** 1982 Jun;38(6):1781–4

Biochemistry of Alzheimer's dementia. Marchbanks RM. **J Neurochem** 1982 Jul;39(1):9–15 (85 ref.)

Neuropeptides in Alzheimer's disease, depression and schizophrenia. A post mortem analysis of vasoactive intestinal peptide and cholecystokinin in cerebral cortex. Perry RH, et al. **J Neurol Sci** 1981 Sep;51(3):465–72

Raised levels of cerebral cortex dolichols in Alzheimer's disease [letter] Wolfe LS, et al. **Lancet** 1982 Jul 10; 2(8289):99

Normal cortical concentration of cholecystokinin-like immunoreactivity with reduced choline acetyltransferase activity in senile dementia of Alzheimer type. Rossor MN,

et al. **Life Sci** 1981 Jul 27;29(4):405–10
Immunohistochemical staining of senile plaques. Mann DM, et al. **Neuropathol Appl Neurobiol** 1982 Jan–Feb;8(1):55–61
[Alterations in neurotransmitter in multi–infarct dementia and senile dementia of alzheimer's type (author's transl)] Miyata S, et al. **Rinsho Shinkeigaku** 1981 Jun;21(6):491–7 (Eng. Abstr.) **(Jpn)**

OCCURRENCE

[Presenile dementia among house painters. A group survey] Mikkelsen S. **Ugeskr Laeger** 1981 Dec 7;143(50):3415–22 (Eng. Abstr.) **(Dan)**

PATHOLOGY

Spongiform–like changes in Alzheimer's disease. An ultrastructural study. Mancardi GL, et al. **Acta Neuropathol (Berl)** 1982;56(2):146–50
Senile dementia of Alzheimer type: astroglial reaction to extracellular neurofibrillary tangles in the hippocampus. An immunocytochemical and electron–microscopic study. Probst A, et al. **Acta Neuropathol (Berl)** 1982;57(1):75–9
Senile cerebral amyloid. Prealbumin as a common constituent in the neuritic plaque, in the neurofibrillary tangle, and in the microangiopathic lesion. Shirahama T, et al. **Am J Pathol** 1982 Apr;107(1):41–50
Some morphometric aspects of the brain in senile dementia of the Alzheimer type. Terry RD, et al. **Ann Neurol** 1981 Aug;10(2):184–92
Pick's disease. A clinical, computed tomographic, and histologic study with golgi impregnation observations. Wechsler AF, et al. **Arch Neurol** 1982 May;39(5):287–90
Parkinson's disease and Alzheimer's disease as disorders of the isodendritic core. Rossor MN. **Br Med J [Clin Res]** 1981 Dec 12;283(6306):1588–90
An electron microscopic study on atypical presenile dementia with numerous Lewy bodies in the cerebral cortex. Itoh T, et al. **Folia Psychiatr Neurol Jpn** 1982;36(1):99–106
Two autopsy cases of Pick's disease with neurofibrillary tangles. Mitsunobu K, et al. **Folia Psychiatr Neurol Jpn** 1982;36(1):89–98
Senile plaques and neurofibrillary tangles of the Alzheimer type in nondemented individuals at presenile age. Ulrich J. **Gerontology** 1982;28(2):86–90
Regional pattern of degeneration in Alzheimer's disease: neuronal loss and histopathological grading. Brun A, et al. **Histopathology** 1981 Sep;5(5):549–64
The noradrenergic system in Alzheimer and multi–infarct dementias. Mann DM, et al. **J Neurol Neurosurg Psychiatry** 1982 Feb;45(2):113–9
A typical presenile dementia. Report of an anatomo–clinical case and review of the literature. Masse G, et al. **J Neurol Sci** 1981 Nov–Dec;52(2–3):245–67
Immunostaining of neurofibrillary tangles in Alzheimer's senile dementia with a neurofilament antiserum. Dahl D, et al. **J Neurosci** 1982 Jan;2(1):113–9
Immunohistochemical evidence for the lack of amyloid P component in some intracerebral amyloids. Westermark P, et al. **Lab Invest** 1982 May;46(5):457–60
Alzheimer's disease as a disorder of isodendritic core [letter] Benton JS, et al. **Lancet** 1982 Feb 20;1(8269):456
The relationship between formation of senile plaques and neurofibrillary tangles and changes in nerve cell metabolism in Alzheimer type dementia. Mann DM, et al. **Mech Ageing Dev** 1981 Dec;17(4):395–401
Alzheimer's disease: insolubility of partially purified paired helical filaments in sodium dodecyl sulfate and urea. Selkoe DJ, et al. **Science** 1982 Mar 5;215(4537):1243–5
Cholinergic innervation in neuritic plaques. Struble RG, et al. **Science** 1982 Apr 23;216(4544):413–5
Alzheimer's disease and senile dementia: loss of neurons in the basal forebrain. Whitehouse PJ, et al. **Science** 1982 Mar 5;215(4537):1237–9
[Senile dementia of the Alzheimer type] Perentes E. **Rev Med Suisse Romande** 1981 Sep;101(9):673–83 **(Fre)**
[Symptomatic dementia syndrome of multiple sclerosis] Giordano R, et al. **Riv Neurol** 1982 Jan–Feb; 52(1):24–32 (Eng. Abstr.) **(Ita)**
[A clinicopathological study of Pick's disease—our sixty autopsied cases (author's transl)] Kosaka K, et al. **Seishin Shinkeigaku Zasshi** 1982;84(2):101–13 (Eng. Abstr.) **(Jpn)**
[Pathologo–anatomic morphometric diagnosis of senile dementia and Alzheimer's disease] Shefer VF. **Zh Nevropatol Psikhiatr** 1982;82(2):236–40 (Eng. Abstr.) **(Rus)**

PHYSIOPATHOLOGY

Cerebral blood flow and metabolic rate of oxygen, glucose, lactate, pyruvate, ketone bodies and amino acids. Lying–Tunell U, et al. **Acta Neurol Scand** 1981 Jun; 63(6):337–50
Alzheimer's disease and senile dementia of Alzheimer type. A comparative study. Sulkava R. **Acta Neurol Scand** 1982 Jun;65(6):636–50
Long–latency event–related potentials in normal aging and dementia. Synduiko K, et al. **Adv Neurol** 1982;32:279–85
Effects of presenile dementia of the Alzheimer's type on brainstem transmission time. Harkins SW. **Int J Neurosci** 1981;15(3):165–70
Changes in the sleep and waking EEGs of nondemented and demented elderly subjects. Prinz PN, et al. **J Am Geriatr Soc** 1982 Feb;30(2):86–93
Neuropathological and biochemical observations on the noradrenergic system in Alzheimer's disease. Perry EK, et al. **J Neurol Sci** 1981 Aug;51(2):279–87
Cholinergic neurones and memory [news] Zeisel S, et al. **Nature** 1981 Sep 17–23;293(5829):187–8
Neurochemical activities in human temporal lobe related to aging and Alzheimer–type changes. Perry EK, et al. **Neurobiol Aging** 1981 Winter;2(4):251–6
The ageing brain and dementia. Wilcock GK. **Practitioner** 1981 Dec;225(1362):1754–63
Research on dementia. The philothermal response. Jarvik LF. **Psychiatr Clin North Am** 1982 Apr;5(1):87–8
Regional cerebral blood flow and EEG in organic dementia. A brief review. Ingvar DH, et al. **Rev Electroencephalogr Neurophysiol Clin** 1981 Jul–Sep; 10(3):270–5
Alzheimer's research poses dilemma [news] Kolata G. **Science** 1982 Jan 1;215(4528):47–8
Oculomotor reaction time in dementia reflects degree of cerebral dysfunction. Pirozzolo FJ, et al. **Science** 1981 Oct 16;214(4518):349–51
[Features of adaptive disorders in the auditory, visual and motor analyzers in atherosclerotic and presenile psychoses] Bacherikov NE, et al. **Zh Nevropatol Psikhiatr** 1982; 82(4):67–71 (Eng. Abstr.) **(Rus)**

PSYCHOLOGY

Alzheimer's disease and senile dementia of Alzheimer type. A neuropsychological study. Sulkava R, et al. **Acta Neurol Scand** 1982 Jun;65(6):651–60
Cross–validation of two indexes of intellectual deterioration on patients with Alzheimer's disease. Leli DA, et al. **J Consult Clin Psychol** 1982 Jun;50(3):468
The episodic–semantic memory distinction and paired associate learning. Wilson RS, et al. **J Consult Clin Psychol** 1982 Feb;50(1):154–5
[Depressive pseudodementia and Alzheimer's disease – a pilot study (author's transl)] Kral VA. **Nervenarzt** 1982 May; 53(5):284–6 **(Ger)**

RADIOGRAPHY

Hereditary Pick's disease: second re–examination of the large family and discussion of other hereditary cases, with particular reference to electroencephalography, a computerized tomography. Groen JJ, et al. **Brain** 1982 Sep; 105 (Pt 3):443–59
Computed tomography findings in senile dementia and normal aging. Soininen H, et al. **J Neurol Neurosurg Psychiatry** 1982 Jan;45(1):50–4
Volumetric measurements of the cerebrospinal fluid spaces in demented subjects and controls. Gado M, et al. **Radiology** 1982 Aug;144(3):535–8

DEMENTIA, PRIMARY DEGENERATIVE, PRESENILE see **DEMENTIA, PRESENILE**

DEMENTIA, PRIMARY DEGENERATIVE, SENILE see **DEMENTIA, SENILE**

DEMENTIA, SENILE

[Disturbances of consciousness in later life— with special references to delirium (author's transl)] Takahashi S. **Hokkaido Igaku Zasshi** 1981 May;56(3):359–60 **(Jpn)**

BLOOD

Age– and mental health–related circadian rhythms of plasma levels of melatonin, prolactin, luteinizing hormone and follicle–stimulating hormone in man. Touitou Y, et al. **J Endocrinol** 1981 Dec;91(3):467–75

CEREBROSPINAL FLUID

Cerebrospinal fluid investigations in multi–infarct dementia and senile dementia. Wikkelsø C, et al. **Acta Neurol Scand** 1981 Jul;64(1):1–11
Hepatitis B and herpes viral components in the cerebrospinal fluid of chronic schizophrenic and senile demented patients. Libikovà H, et al. **Acta Virol (Praha)** 1981 Jul;25(4):182–90
Investigation of cerebrospinal fluid neuropeptides in idiopathic senile dementia. Oram JJ, et al. **Gerontology** 1981;27(4):216–23
CSF Vasopressin and cyclic nucleotide concentrations in senile dementia. Tsuji M, et al. **Psychoneuroendocrinology** 1981;6(2):171–6

CHEMICALLY INDUCED

Aluminum as a cause of senile dementia. Bjorksten JA. **Compr Ther** 1982 May;8(5):73–6

COMPLICATIONS

Arteriosclerosis, infarcts, and dementia. Birkett DP, et al. **J Am Geriatr Soc** 1982 Apr;30(4):261–6
Hyperactivity in senile dementia. Finestone DH, et al. **J Am Geriatr Soc** 1982 Aug;30(8):521–3
Extrapyramidal symptoms in patients with primary degenerative dementia. Pomara N, et al. **J Clin Psychopharmacol** 1981 Nov;1(6):398–400
[Confabulatory anomia from visual and tactile agnosia in a case of multi–infarct dementia. Neuropsychological study (author's transl)] Guard O, et al. **Encephale** 1981; 7(3):275–91 (Eng. Abstr.) **(Fre)**
[Changes in sleep pattern in presenile and senile dementia (author's transl)] Michel B, et al. **Rev Electroencephalogr Neurophysiol Clin** 1981 Jul–Sep; 10(3):283–9 (Eng. Abstr.) **(Fre)**

DIAGNOSIS

The electroencephalogram in dementia. Differential diagnostic value in Alzheimer's disease, senile dementia and multi–infarct dementia. Striano S, et al. **Acta Neurol (Napoli)** 1981 Dec;36(6):727–34
EEG findings in senile dementia and normal aging. Soininen H, et al. **Acta Neurol Scand** 1982 Jan;65(1):59–70
Evoked potentials in the assessment of brain function in senile dementia. Laurian S, et al. **Adv Neurol** 1982;32:287–93
Diagnosing organic mental disorders in the elderly. Blazer D. **Am Fam Physician** 1982 May;25(5):139–45
A survey diagnostic tool for senile dementia. Pfeffer RI, et al. **Am J Epidemiol** 1981 Oct;114(4):515–27
The dexamethasone suppression test in two patients with severe depressive pseudodementia. McAllister TW, et al. **Am J Psychiatry** 1982 Apr;139(4):479–81
Organic mental disorders in a geriatric outpatient population. Maletta GJ, et al. **Am J Psychiatry** 1982 Apr;139(4):521–3
Does the dexamethasone suppression test distinguish dementia from depression? Spar JE, et al. **Am J Psychiatry** 1982 Feb;139(2):238–40
Dementia in the elderly: the silent epidemic [clinical conference] Beck JC, et al. **Ann Intern Med** 1982 Aug; 97(2):231–41 (76 ref.)
A survey version of the Clifton Assessment Procedures for the Elderly (CAPE). Pattie AH. **Br J Clin Psychol** 1981 Sep;20(Pt 3):173–8
Dementia: a major disease of aging. Greer M. **Geriatrics** 1982 Apr;37(4):101–3, 107–11, 114
Recognizing and treating dementia. Stoudemire A, et al. **Geriatrics** 1981 Oct;36(10):112–20
Chronic brain disease: an update on alcoholism, Parkinson's disease, and dementia. Wells C. **Hosp Community Psychiatry** 1982 Feb;33(2):111–26
Memory function and the clinical differentiation of dementing disorder. Shuttleworth EC. **J Am Geriatr Soc** 1982 Jun;30(6):363–6
Medical grand rounds: senile dementia. Carter WJ, et al. **J Arkansas Med Soc** 1981 Dec;78(7):281–5
Mattis Dementia Rating Scale: internal reliability study using a diffusely impaired population. Gardner R Jr, et al. **J Clin Neuropsychol** 1981 Oct;3(3):271–5
Age, senile dementia and ventricular enlargement. Hubbard BM, et al. **J Neurol Neurosurg Psychiatry** 1981 Jul; 44(7):631–5
Are nursing home diagnosis and treatment inadequate? Sabin TD, et al. **JAMA** 1982 Jul 16;248(3):321–2
Depressive illness masquerading as dementia in the elderly. Kiloh LG. **Med J Aust** 1981 Nov 14;2(10):550–3
Dementia in old age. Reflections on nomenclature. Jarvik LF. **Psychiatr Clin North Am** 1982 Apr;5(1):105–6
Dementia in the aged. Spar JE. **Psychiatr Clin North Am** 1982 Apr;5(1):67–86
Special considerations in the assessment of psychopathology in the elderly. Raskin A. **Psychopharmacol Bull** 1981 Oct; 17(4):104–7
[A demented patient without dementia] Schouten J, et al. **Ned Tijdschr Geneeskd** 1981 Oct 24;125(43):1737–9 **(Dut)**
[Correlative study of E.E.G. and C.T. scan data during normal and pathological cerebral aging (author's transl)] Gastaut JL, et al. **Rev Electroencephalogr Neurophysiol Clin** 1981 Jul–Sep; 10(3):228–35 (Eng. Abstr.) **(Fre)**
[Clinica criteria for differential diagnosis of cerebrovascular and primary degenerative dementia (author's transl)] Ladurner G, et al. **Nervenarzt** 1981 Jul;52(7):401–4 **(Ger)**
[Chronic brain disease in old age–a case report contributing to the problem of differential diagnosis (author's transl)] Hinze E, et al. **Psychiatr Prax** 1982 May;9(3):85–8 (Eng. Abstr.) **(Ger)**
[Sandoz Clinical Assessment Geriatric Scale: a transcultural factor–analytic study] Maurer W, et al. **Z Gerontol** 1982 Jan–Feb;15(1):25–30 (Eng. Abstr.) **(Ger)**
[Pathologico–anatomic diagnosis of senile dementia and Alzheimer's disease] Shefer VF **Sud Med Ekspert** 1982 Apr–Jun;25(2):43–5 (Eng. Abstr.) **(Rus)**
[Clinical basis for the relation between various age–related mental characteristics of the late middle–aged and the atrophic process in the brain] Bukatina EE. **Zh Nevropatol Psikhiatr** 1982;82(2):231–6 (Eng. Abstr.) **(Rus)**

DRUG THERAPY

Tryptophan malabsorption in dementia. Improvement in certain cases after tryptophan therapy as indicated by mental behaviour and blood analysis. Lehmann J, et al. **Acta Psychiatr Scand** 1981 Aug;64(2):123–31
Tolerance and serum levels of haloperidol during parenteral and oral haloperidol treatment in geriatric patients. Viukari M, et al. **Acta Psychiatr Scand** 1982 Apr;65(4):301–8
A double–blind comparison of the effects of haloperidol and cis(Z)–clopenthixol in senile dementia. Götestam KG, et

al. **Acta Psychiatr Scand [Suppl]** 1981;294:46–53
Effect of nafronyl on lactate and pyruvate in the cerebrospinal fluid of patients with senile dementia. Yesavage JA, et al. **J Am Geriatr Soc** 1982 Feb;30(2):105–8
Successful treatment of dementia with lithium [letter] Havens WW 2d, et al. **J Clin Psychopharmacol** 1982 Feb;2(1):71–2
Loxapine in psychogeriatrics: a placebo- and standard-controlled clinical investigation. Petrie WM, et al. **J Clin Psychopharmacol** 1982 Apr;2(2):122–6
Drug therapy: cerebral vasodilators (first of two parts). Cook P, et al. **N Engl J Med** 1981 Dec 17;305(25):1508–13 (77 ref.)
Cerebral vasodilators (second of two parts). Cook P, et al. **N Engl J Med** 1981 Dec 24;305(26):1560–4 (25 ref.)
Clinical pharmacology of senile dementia. Fisman M. **Prog Neuropsychopharmacol** 1981;5(5–6):447–57 (86 ref.)
The Bureau of Drugs Symposium on the Development of Psychopharmacologic Drugs for the Cognitively and Emotionally Impaired Elderly: background and aims. Some ethical and legal considerations. Schwartz R. **Psychopharmacol Bull** 1981 Oct;17(4):64–73
[Value of bromocriptine in senile dementia] Borenstein P, et al. **Ann Med Psychol (Paris)** 1981 Mar;139(3):326–34 (Eng. Abstr.) **(Fre)**
[The effect of bromocriptine on the course of dementia (author's transl)] Borenstein P, et al. **Sem Hop Paris** 1981 Apr 18–25;57(15–16):801–9 (Eng. Abstr.) **(Fre)**

ETIOLOGY

Normal pressure hydrocephalus in the elderly: a treatable cause of dementia? Briggs RS, et al. **Age Ageing** 1981 Nov; 10(4):254–8
Alzheimer's disease: a challenging enigma. Ball MJ. **Arch Pathol Lab Med** 1982 Apr;106(4):157–62 (140 ref.)
Biobehavioral approaches to dementia. Eisdorfer C. **Mt Sinai J Med (NY)** 1981 Nov–Dec;48(6):500–6

IMMUNOLOGY

HLA antigens in senile dementia and multiple infarct dementia. Snowden PR, et al. **Age Ageing** 1981 Nov; 10(4):259–63
An immunoperoxidase study of senile cerebral amyloidosis with pathogenetic considerations. Powers JM, et al. **J Neuropathol Exp Neurol** 1981 Nov;40(6):592–612

METABOLISM

Pilot study of amino acids in senile dementia [letter] Shaw DM, et al. **Br J Psychiatry** 1981 Dec;139:580–2
Cortical substance P-like immunoreactivity in cases of Alzheimer's disease and senile dementia of the Alzheimer type. Crystal HA, et al. **J Neurochem** 1982 Jun;38(6):1781–4
Neurotransmitter systems in aging and senile dementia. McGeer EG. **Prog Neuropsychopharmacol** 1981; 5(5–6):435–45 (55 ref.)
[Alterations in neurotransmitter in multi-infarct dementia and senile dementia of alzheimer's type (author's transl)] Miyata S, et al. **Rinsho Shinkeigaku** 1981 Jun;21(6):491–7 (Eng. Abstr.) **(Jpn)**

PATHOLOGY

Alzheimer's disease: a challenging enigma. Ball MJ. **Arch Pathol Lab Med** 1982 Apr;106(4):157–62 (140 ref.)
A post-mortem study of the cholinergic and GABA systems in senile dementia. Rossor MN, et al. **Brain** 1982 Jun;105(Pt 2):313–30
Loss of neurons of origin of the adrenergic projection to cerebral cortex (nucleus locus ceruleus) in senile dementia. Bondareff W, et al. **Neurology (NY)** 1982 Feb;32(2):164–8
Cerebellar atrophy: relationship to aging and cerebral atrophy. Koller WC, et al. **Neurology (NY)** 1981 Nov; 31(11):1486–8
Diffuse white-matter disease in the geriatric population. A clinical, neuropathological, and CT study. Goto K, et al. **Radiology** 1981 Dec;141(3):687–95
Alzheimer's disease and senile dementia: loss of neurons in the basal forebrain. Whitehouse PJ, et al. **Science** 1982 Mar 5;215(4537):1237–9
[Senile dementia of the Alzheimer type] Perentes E. **Rev Med Suisse Romande** 1981 Sep;101(9):673–83 **(Fre)**
[Neuropathological study of amyotrophic lateral sclerosis and parkinsonism-dementia in Guam: an analysis of 24 autopsy cases (author's transl)] Doi H, et al. **No To Shinkei** 1982 Jan;34(1):63–70 (Eng. Abstr.) **(Jpn)**
[Pathologo-anatomic morphometric diagnosis of senile dementia and Alzheimer's disease] Shefer VF. **Zh Nevropatol Psikhiatr** 1982;82(2):236–40 (Eng. Abstr.) **(Rus)**

PHYSIOPATHOLOGY

Alzheimer's disease and senile dementia of Alzheimer type. A comparative study. Sulkava R. **Acta Neurol Scand** 1982 Jun;65(6):636–50
Long-latency event-related potentials in normal aging and dementia. Syndulko K, et al. **Adv Neurol** 1982;32:279–85
Cerebral blood flow and intelligence rating in persons over 90 years old. McAlpine CJ, et al. **Age Ageing** 1981 Nov; 10(4):247–53
Biologic aspects of falls and mobility limitations in the elderly. Sabin TD. **J Am Geriatr Soc** 1982 Jan;30(1):51–8
REM sleep and senile dementia [letter] Serby M. **J Am Geriatr Soc** 1982 Jun;30(6):422
Significance of cortical disinhibition signs. Tweedy J, et al. **Neurology (NY)** 1982 Feb;32(2):169–73
The ageing brain and dementia. Wilcock GK. **Practitioner** 1981 Dec;225(1362):1754–63
Research on dementia. The philothermal response. Jarvik LF. **Psychiatr Clin North Am** 1982 Apr;5(1):87–8

PREVENTION & CONTROL

Preventing senile dementia: hope for the future. Kent S. **Geriatrics** 1981 Sep;36(9):130, 133, 135–6

PSYCHOLOGY

Alzheimer's disease and senile dementia of Alzheimer type. A neuropsychological study. Sulkava R, et al. **Acta Neurol Scand** 1982 Jun;65(6):651–60
Measuring behavioural disturbance of elderly demented patients in the community and its effects on relatives: a factor analytic study. Greene JG, et al. **Age Ageing** 1982 May;11(2):121–6
Severe depressive pseudodementia with and without dementia. McAllister TW, et al. **Am J Psychiatry** 1982 May;139(5):626–9
Coexistence of cognitive impairment and depression in geriatric outpatients. Reifler BV, et al. **Am J Psychiatry** 1982 May;139(5):623–6
Slow potential correlates of attention dysfunction in senile dementia: I. O'Conner KP. **Biol Psychol** 1980 Nov–Dec; 11(3–4):193–202
Slow potential correlates of attention dysfunction in senile dementia: II. O'Connor KP. **Biol Psychol** 1980 Nov–Dec; 11(3–4):203–16
A further analysis of memory loss in dementia and depression in the elderly. Gibson AJ. **Br J Clin Psychol** 1981 Sep;20(Pt 3):179–85
Cluster analysis of symptoms in elderly demented patients. Ballinger BR, et al. **Br J Psychiatry** 1982 Mar;140:257–62
A new clinical scale for the staging of dementia. Hughes CP, et al. **Br J Psychiatry** 1982 Jun;140:566–72
Asymmetrical cognitive deterioration in demented and Parkinson patients. Bentin S, et al. **Cortex** 1981 Dec; 17(4):533–43
Remote memory in senile dementia. Wilson RS, et al. **Cortex** 1981 Apr;17(1):41–8
Acquisition and retention of categorized material in normal aging and senile dementia. McCarthy M, et al. **Exp Aging Res** 1981 Summer;7(2):127–35
Is uncle Sen insane? Pride, humor, and clique formation in a Northern Thai home for the elderly. Delaney B. **Int J Aging Hum Dev** 1981;13(2):137–50
On the mechanism underlying facial-affective agnosia in senile demented patients. Brosgole L, et al. **Int J Neurosci** 1981;15(4):207–15
Memory failures in progressive idiopathic dementia. Weingartner H, et al. **J Abnorm Psychol** 1981 Jun; 90(3):187–96
Interpretive accuracy of two MMPI short forms with geriatric patients. Newmark CS, et al. **J Clin Psychol** 1982 Jul;38(3):573–6
Geriatric neuropsychology. Albert MS. **J Consult Clin Psychol** 1981 Dec;49(6):835–50
'The Little Edison': a remarkable octogenarian. Hamilton JW. **J Geriatr Psychiatry** 1980;13(2):183–91
Memory loss and aging. Distinguishing dementia from benign senescent forgetfulness and depressive pseudodementia. La Rue A. **Psychiatr Clin North Am** 1982 Apr;5(1):89–103
[Neuropsychology and senile dementia] Richard J. **Rev Electroencephalogr Neurophysiol Clin** 1981 Jul–Sep; 10(3):249–58 (Eng. Abstr.) **(Fre)**
[Application in psychogeriatrics of new technics for evaluating cerebral electrical activity] Laurian S. **Schweiz Arch Neurol Neurochir Psychiatr** 1982; 130(1):89–103 (Eng. Abstr.) **(Fre)**
[How families deal with demented relatives—provisional results of an ongoing study (author's transl)] Bruder J, et al. **Aktule Gerontol** 1981 Sep;11(5):156–8 (Eng. Abstr.) **(Ger)**
[Depressive pseudodementia and Alzheimer's disease – a pilot study (author's transl)] Kral VA. **Nervenarzt** 1982 May; 53(5):284–6 **(Ger)**

RADIOGRAPHY

Quantitative computed tomography in senile dementia. Bondareff W, et al. **Arch Gen Psychiatry** 1981 Dec; 38(12):1365–8
Prediction of outcome in senile dementia—a computed tomography study. Naguib M, et al. **Br J Psychiatry** 1982 Mar;140:263–7
Computed tomography findings in senile dementia and normal aging. Soininen H, et al. **J Neurol Neurosurg Psychiatry** 1982 Jan;45(1):50–4
Computed tomography in dementia. Wilson RS, et al. **Neurology (NY)** 1982 Sep;32(9):1054–7

RADIONUCLIDE IMAGING

18F-2-deoxy-2-fluoro-D-glucose as a tracer in the positron emission tomographic study of senile dementia. Farkas T, et al. **Am J Psychiatry** 1982 Mar;139(3):352–3

REHABILITATION

Five-year experience of a community outreach program for the elderly. Reifler BV, et al. **Am J Psychiatry** 1982 Feb; 139(2):220–3
Psychodrama: A humanistic approach to psychiatric treatment for the elderly. Buchanan DR. **Hosp Community Psychiatry** 1982 Mar;33(3):221–3
The use of signposts and active training to modify ward disorientation in elderly patients. Hanley IG. **J Behav Ther Exp Psychiatry** 1981 Sep;12(3):241–7

THERAPY

Reality orientation and dementia: a controlled trial of two approaches. Hanley IG, et al. **Br J Psychiatry** 1981 Jan; 138:10–4
Last scene of all [editorial] Millard PH. **Br Med J [Clin Res]** 1981 Dec 12;283(6306):1559–60
Drama therapy for the elderly in a day care center. Mazor R. **Hosp Community Psychiatry** 1982 Jul;33(7):577–9
Dementia: positive steps to help maintain function. Walker JI. **Postgrad Med** 1982 Jul;72(1):167
An attempt to determine the impact of four types of care upon the elderly in London by the study of matched groups. Macdonald AJ, et al. **Psychol Med** 1982 Feb; 12(1):193–200
[Treatment of senile confusions] Harenko A. **Duodecim** 1981; 97(8):526–31 **(Fin)**
[Day-clinic treatment in geropsychiatry (author's transl)] Böker K. **Psychiatr Prax** 1982 May;9(3):67–75 (Eng. Abstr.) **(Ger)**

N-DEMETHYLASES see **OXIDOREDUCTASES, N-DEMETHYLATING**

DEMETHYLCHLORTETRACYCLINE

Effect of antacids on the dissolution of minocycline and demethylchlortetracycline from capsules. Miyazaki S, et al. **Pharmazie** 1981;36(7):482–4

ADMINISTRATION & DOSAGE

Comparison of the in vitro serum microbiological activity of a triple tetracycline tablet, 300 mg B.I.D. with oxytetracyline, 250 mg Q.I.D. Brock PG, et al. **J Int Med Res** 1981;9(5):360–4

THERAPEUTIC USE

Demeclocycline in the prophylaxis of self-induced water intoxication. Nixon RA, et al. **Am J Psychiatry** 1982 Jun; 139(6):828–30
Treatment of chronic inflammatory processes of the male genital tract using a combination of demethylchlortetracycline and fibrinolytic enzymes. Dondero F, et al. **Farmaco [Prat]** 1982 Feb;37(2):41–54

DEMETHYLDIAZEPAM see under **DIAZEPAM**

DEMOCRACY

[Academic democracy and science ethics (author's transl)] Shen SJ. **Chung Hua I Hsueh Tsa Chih** 1981 Jun; 61(6):339–40 **(Chi)**
[Aggressive essence of American imperialism and the possible consequences of the use of nuclear weapons] Smirnov EI, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1982 May; (5):3–11 **(Rus)**

DEMOGRAPHY

The demography and health consequences of violence in an emergency room setting. Nighswander TS. **Alaska Med** 1982 Jan–Feb;24(1):7–10
Attitudinal and demographic factors influencing mothers' choice of childbirth procedures. Moran JD 3d, et al. **Am J Obstet Gynecol** 1982 Apr 1;142(7):846–50
The development of genetics and population studies. Pollitzer WS. **Am J Phys Anthropol** 1981 Dec;56(4):483–9
Demographic trends in tubal sterilization: United States, 1970–1978. DeStefano F, et al. **Am J Public Health** 1982 May;72(5):480–4
Health services in Shanghai County: introduction to Shanghai County. Ye XF, et al. **Am J Public Health** 1982 Sep;72(9 Suppl):13–8
Geographical and ethnic variations in human growth. Marshall WA. **Br Med Bull** 1981 Sep;37(3):273–9 (58 ref.)
The demography of the elderly in Denmark. Matthiessen PC. **Dan Med Bull** 1982 Mar;29(3):90–2
Mortality trends in Philadelphia: age- and cause- specific death rates 1870–1930. Condran GA, et al. **Demography** 1982 Feb;19(1):97–123
Confidence intervals for postcensal state population estimates. Espenshade TJ, et al. **Demography** 1982 May; 19(2):191–210
Measuring temporal stability in regression models of population estimation. Mandell M, et al. **Demography** 1982 Feb;19(1):135–46
Family size composition differentials between central city–suburb and metropolitan-nonmetropolitan migration streams. White RB. **Demography** 1982 Feb;19(1):29–36
Geography and health. Kratochvil O. **Geogr Med** 1981; 11:95–103

Human population biology: a viable transdisciplinary science. **Baker PT. Hum Biol** 1982 May;54(2):203–20
Economic condition and demography among the Mahishyas of Chakpota Village, Howrah District, West Bengal. **Bharati P. J Biosoc Sci** 1981 Jul;13(3):345–56
Social and demographic determinants of fertility in Sri Lanka. **Fernando DF. J Biosoc Sci** 1982 Jan;14(1):59–67
A comparative microdemographic study of two communities in coastal Midnapore district, West Bengal. **Mukhopadhyay B. J Biosoc Sci** 1981 Oct;13(4):479–89
Every eighth Iowan. **Morris WW. J Iowa Med Soc** 1981 Nov;71(11):477–82
Disabled older persons: a demographic analysis. **Blake R. J Rehabil** 1981 Oct–Dec;47(4):19–27
The Malthusian parameter and the effective rate of increase. **Demetrius L. J Theor Biol** 1981 Sep 21;92(2):141–61
The centrality of demographic experience. **Laslett P. Proc Annu Symp Eugen Soc** 1981;16:23–40
Demography and genetics of human twinning in the Utah Mormon Genealogy. **Carmelli D, et al. Prog Clin Biol Res** 1981;69A:81–93
Evaluation as a learning experience. **Fajardo LF. Prog Clin Biol Res** 1981;77:595–609
The Shirishana of the Yanomami: a demographic study. **Peters JF. Soc Biol** 1980 Winter;27(4):272–85
Education and accuracy of age reporting among Yoruba females in Western Nigeria. **Sembajwe IS. Soc Biol** 1980 Winter;27(4):294–303
The demographic impact of the family planning—health services project in Matlab, Bangladesh. **Phillips JF, et al. Stud Fam Plann** 1982 May;13(5):131–40
The demographic impact of the contraceptive distribution project in Matlab, Bangladesh. **Stinson WS, et al. Stud Fam Plann** 1982 May;13(5):141–8
International data: their use in showing relationships between socioeconomic and demographic variables. **Dellaportas G. World Health Stat Q** 1981;34(2):110–26 **(Eng, Fre)**
Health outlook for South and East Asia for the year 2000. **Hansluwka H, et al. World Health Stat Q** 1981;34(3):168–95 **(Eng, Fre)**
[Some demographic factors influencing the duration of symptoms in patients with tumor of the bladder] **Mommsen S, et al. Ugeskr Laeger** 1982 Apr 12;144(15):1110–5 (Eng. Abstr.) **(Dan)**
[Growth and development of urban children with respect to sociodemographic factors] **Pantó E. Anthropol Anz** 1982 Mar;40(1):33–44 (Eng. Abstr.) **(Ger)**
[The problems of older people] **Fleischhacker J. ZFA (Dresden)** 1981;36(6):543–7 **(Ger)**
[Social and health conditions of the older generation in view of current demographic data] **Hun N. Orv Hetil** 1982 Apr 18;123(16):963–8 **(Hun)**
[Epidemiological studies on aging of population in Yamanashi Prefecture (author's transl)] **Takahashi M, et al. Nippon Ronen Igakkai Zasshi** 1982 Jan;19(1):45–52 (Eng. Abstr.) **(Jpn)**
[Biodemographic aspect of scientific-industrial progress] **Shatalov AT. Vestn Akad Med Nauk SSSR** 1982;(4):74–8 **(Rus)**

DEMYELINATING DISEASES

Demyelination induced in mice by avirulent Semliki Forest virus. I. Virology and effects on optic nerve. **Illavia SJ, et al. Neuropathol Appl Neurobiol** 1982 Jan–Feb;8(1):35–42

BLOOD

Association between rise in serum sodium and central pontine myelinolysis. **Norenberg MD, et al. Ann Neurol** 1982 Feb; 11(2):128–35
In vivo demyelinating activity of sera from patients with Guillain-Barré syndrome. **Saida T, et al. Ann Neurol** 1982 Jan;11(1):69–75

CEREBROSPINAL FLUID

[Determination of myelin basic protein in the cerebrospinal fluid in neurologic diseases] **Bürgisser P, et al. Schweiz Med Wochenschr** 1982 May 1;112(18):643–7 (Eng. Abstr.) **(Fre)**
[CSF-protein in neuromyelitis optica (author's transl)] **Krause KH, et al. Fortschr Neurol Psychiatr** 1982 Apr; 50(4):133–8 (Eng. Abstr.) **(Ger)**
[Demyelinating diseases and the cerebrospinal fluid cytoproteinogram] **Limongi JC, et al. Arq Neuropsiquiatr** 1981 Sep;39(3):296–300 (Eng. Abstr.) **(Por)**

COMPLICATIONS

Wernickes encephalopathy with central pontine myelinolysis presenting with hypothermia. **Tampi R, et al. NZ Med J** 1982 May 26;95(708):342–4

CONGENITAL

Congenital hypomyelination neuropathy: glial bundles in cranial and spinal nerve roots. **Towfighi J. Ann Neurol** 1981 Dec;10(6):570–3

DIAGNOSIS

A modification of the visual evoked response method involving small luminance decrements for the diagnosis of demyelinating diseases. **Hennerici M, et al. Adv Neurol** 1982;32:433–41
Demyelinating polyradiculitis and multiple sclerosis [letter] **Poser CM. Arch Neurol** 1982 Jan;39(1):67
Progressive supra-nuclear palsy. **Wagstaff J, et al. Br J Clin Pract** 1981 May;35(5):200–2
Adult onset type II fiber centronuclear neuromyopathy with segmented demyelination. **Sugie H, et al. Brain Dev** 1982; 4(1):7–12
The electrodiagnostic distinctions between chronic familial and acquired demyelinative neuropathies. **Lewis RA, et al. Neurology (NY)** 1982 Jun;32(6):592–6
The prenatal diagnosis of adrenoleukodystrophy. Demonstration of increased hexacosanoic acid levels in cultured amniocytes and fetal adrenal gland. **Moser HW, et al. Pediatr Res** 1982 Mar;16(3):172–5

DRUG THERAPY

Prednisone improves chronic inflammatory demyelinating polyradiculoneuropathy more than no treatment. **Dyck PJ, et al. Ann Neurol** 1982 Feb;11(2):136–41
The effect of short-term and chronic immunosuppression on Theiler's virus demyelination. **Roos RP, et al. J Neuroimmunol** 1982 Jun;2(3–4):223–34

ETIOLOGY

Host and virus factors associated with CNS cellular tropism leading to encephalomyelitis or demyelination induced by the JHM strain of mouse hepatitis virus. **Knobler RL, et al. Adv Exp Med Biol** 1981;142:341–8
In vivo and in vitro models of demyelinating diseases. **Sorensen O, et al. Adv Exp Med Biol** 1981;142:271–86
JHM infections in rats as a model for acute and subacute demyelinating disease. **Wege H, et al. Adv Exp Med Biol** 1981;142:327–40
Insect-sting encephalopathy [letter] **Somerfield SD. Br Med J [Clin Res]** 1982 May 1;284(6325):1336–7
Virus persistence and recurring demyelination produced by a temperature-sensitive mutant of MHV-4. **Knobler RL, et al. Nature** 1982 Jul 15;298(5871):279–80
Central pontine myelinolysis in association with Hodgkin's lymphoma. **Loizou LA, et al. Postgrad Med J** 1981 May; 57(667):324–8
Multifocal demyelinative lesions of peripheral nerves in experimental chronic Chagas's disease [letter] **Barreira AA, et al. Trans R Soc Trop Med Hyg** 1981;75(5):751
[Neuromyelitis optica or Devic disease complicating chickenpox (author's transl)] **Bruguier A, et al. Arch Fr Pediatr** 1981 Dec;38(10):763–4 (Eng. Abstr.) **(Fre)**
[Central pontine myelinolysis and Schwartz-Bartter syndrome] **Werder M, et al. Schweiz Med Wochenschr** 1982 May 22;112(21):765–9 (Eng. Abstr.) **(Ger)**

FAMILIAL & GENETIC

Gerstmann-Sträussler's disease, atypical multiple sclerosis and carcinomas in a family of sheepbreeders. **Peiffer J. Acta Neuropathol (Berl)** 1982;56(2):87–92
Neuromyelitis optica (Devic's syndrome) in two sisters. **Ch'ien LT, et al. Clin Electroencephalogr** 1982 Jan; 13(1):36–9
Familial X-linked Addison disease as an expression of adrenoleukodystrophy (ALD): elevated C26 fatty acid in cultured skin fibroblasts. **O'Neill BP, et al. Neurology (NY)** 1982 May;32(5):543–7
Adrenoleukodystrophy: evidence for X linkage, inactivation, and selection favoring the mutant allele in heterozygous cells. **Migeon BR, et al. Proc Natl Acad Sci USA** 1981 Aug;78(8):5066–70

IMMUNOLOGY

Demyelination in experimental canine distemper virus infection: immunological, pathologic, and immunohistological studies. **Vandevelde M, et al. Acta Neuropathol (Berl)** 1982;56(4):285–93
Acute conduction block associated with experimental antiserum-mediated demyelination of peripheral nerve. **Sumner AJ, et al. Ann Neurol** 1982 May;11(5):469–77
Immunoglobulin synthesis in nude (nu/nu), nu/+ and reconstituted nu/nu mice infected with a demyelinating strain of Semliki Forest virus. **Suckling AJ, et al. Clin Exp Immunol** 1982 Feb;47(2):283–8
Demyelination in vitro. Absorption studies demonstrate that galactocerebroside is a major target. **Raine CS, et al. J Neurol Sci** 1981 Oct;52(1):117–31

METABOLISM

Lipid metabolism and oxygen consumption in a hereditary demyelinating neuropathy, the trembler mouse: an in vitro study. **Matthieu JM, et al. Brain Res** 1981 Dec 7; 226(1–2):235–44
Accumulation of very long chain fatty acids is common to 3 variants of adrenoleukodystrophy (ALD). 'Classical' ALD, atypical ALD (female patient) and adrenomyeloneuropathy. **Molzer B, et al. J Neurol Sci** 1981 Aug;51(2):301–10
Subacute combined degeneration [letter] **Scott JM, et al. Lancet** 1982 Jan 2;1(8262):51–2
Adrenoleukodystrophy: elevated C26 fatty acid in cultured skin fibroblasts and correlation with disease expression in three generations of a kindred. **O'Neill BP, et al. Neurology (NY)** 1982 May;32(5):540–2

MICROBIOLOGY

Theiler's virus persists in glial cells during demyelinating disease. **Brahic M, et al. Cell** 1981 Oct;26(1 Pt 1):123–8
Uncoupled relationship between demyelination and primary infection of myelinating cells in Theiler's virus encephalomyelitis. **Dal Canto MC. Infect Immun** 1982 Mar; 35(3):1133–8
The Gordon Wilson Lecture: viruses and chronic neurological diseases. **Johnson RT. Trans Am Clin Climatol Assoc** 1980;92:93–102

PATHOLOGY

Central pontine myelinolysis: an immunofluorescent study. **Kusuyama Y, et al. Acta Pathol Jpn** 1982 Jul;32(4):725–32
Pathology of demyelination and remyelination. **Ludwin SK. Adv Neurol** 1981;31:123–68
Experimental models of virus-induced demyelination of the central nervous system. **Dal Canto MC, et al. Ann Neurol** 1982 Feb;11(2):109–27 (100 ref.)
Demyelinating disease as the assumed cause of hearing loss and vertigo. A case report with light- and electron-microscopic findings. **Ylikoski J, et al. Arch Otorhinolaryngol** 1981;230(2):161–70
Experimental study on segmental demyelination in tellurium neuropathy. **Takahashi T. Hokkaido Igaku Zasshi** 1981 Mar;56(2):105–31
Autonomic neuropathy in the trembler mouse. **Harrison BM. J Auton Nerv Syst** 1981 Nov;4(4):393–402
The immunological identification of brain proteins on cellulose nitrate in human demyelinating disease. **Newcombe J, et al. J Neurochem** 1982 Jan;38(1):267–74
Virus-induced demyelination in herpes simplex virus-infected mice. **Kristensson K, et al. J Neurol Sci** 1982 Feb;53(2):205–16
Neuropathologic observations in electrolyte-induced myelinolysis in the rat. **Kleinschmidt-DeMasters BK, et al. J Neuropathol Exp Neurol** 1982 Jan;41(1):67–80
Neuropathological comparative studies on experimental allergic neuritis (EAN) induced in rabbits by P2 protein-ganglioside complexes. **Takeda S, et al. Jpn J Exp Med** 1980 Dec;50(6):453–62
Radial component of the central myelin in neurologic mutant mice. **Nagara H, et al. Lab Invest** 1982 Jul;47(1):51–9
Demyelination induced in mice by avirulent Semliki Forest virus. II. An ultrastructural study of focal demyelination in the brain. **Kelly WR, et al. Neuropathol Appl Neurobiol** 1982 Jan–Feb;8(1):43–53
Central pontine myelinolysis. **Ibrahim NB. Postgrad Med J** 1981 Mar;57(665):178–80
Demyelinating disease presenting as Wallenberg's syndrome. Report of a patient. **Smith DB, et al. Stroke** 1981 Nov–Dec; 12(6):877–8
[Review of Chinese literature on multiple sclerosis and demyelinization cerebral diseases (author's transl)] **Zhao BX. Chung Hua Shen Ching Ching Shen Ko Tsa Chih** 1981 May;13(2):101–4 **(Chi)**
[Demyelinating processes of a viral nature] **Konovalov GV, et al. Arkh Patol** 1981;43(11):92–7 (55 ref.) (Eng. Abstr.) **(Rus)**

PHYSIOPATHOLOGY

Demyelinating diseases. Basic and clinical electrophysiology. **Adv Neurol** 1981;31:1–532
Visual evoked potentials in demyelinating disease. **Halliday AM. Adv Neurol** 1981;31:201–15
Conduction failure in demyelination: is it inevitable? **Sears TA, et al. Adv Neurol** 1981;31:357–75
Electrophysiology of demyelinating diseases: future directions and questions. **Waxman SG, et al. Adv Neurol** 1981;31:511–13
Demonstration of transient conduction blockings in demyelinating neuropathy. **Halonen JP, et al. Electromyogr Clin Neurophysiol** 1982 Mar–Apr; 22(3):229–37
Electrophysiological symptoms of demyelinative and neuronal-axonal lesions of the peripheral motor neurone - a comparative study. **Wochnik-Dyjas D, et al. Electromyogr Clin Neurophysiol** 1982 Mar–Apr; 22(3):183–206
Effects of chronic demyelination on axonal transport in experimental allergic optic neuritis. **Rao NA, et al. Invest Ophthalmol Vis Sci** 1981 Oct;21(4):606–11
Membranes, myelin, and the pathophysiology of multiple sclerosis. **Waxman SG. N Engl J Med** 1982 Jun 24; 306(25):1529–33 (40 ref.)
Multifocal demyelinating neuropathy with persistent conduction block. **Lewis RA, et al. Neurology (NY)** 1982 Sep;32(9):958–64
Basic and clinical electrophysiology of demyelinating diseases. **Ritchie JM, et al. Neurology (NY)** 1981 Oct; 31(10):1308–10
[Somatosensory evoked potential in patients with demyelinating disease (author's transl)] **Lai ML. Taiwan I Hsueh Hui Tsa Chih** 1981 Dec;80(12):1281–7 (Eng. Abstr.) **(Chi)**
[Demyelinating diseases and the optic pathways] **Libert J. J Fr Ophtalmol** 1981;4(5):442–50 **(Fre)**

RADIOGRAPHY

Atypical contrast enhancement in computed tomography of demyelinating disease [letter] Aita JF. **Arch Neurol** 1982 Mar;39(3):195–5

Demyelinating and neuro-degenerative disease in childhood. CT appearances and their differential diagnosis. Kingsley DP, et al. **J Neuroradiol** 1981;8(3):243–55 **(Eng, Fre)**

Primary demyelinating disease simulating glioma of the corpus callosum: report of three cases. Rieth KG, et al. **J Neurosurg** 1981 Oct;55(4):620–4

THERAPY

Electrical stimulation of the spinal cord in patients with demyelinating and degenerative diseases of the central nervous system. Dooley DM, et al. **Appl Neurophysiol** 1981; 44(4):218–24

Plasma exchange in acute post-infectious demyelination. Newton R. **Dev Med Child Neurol** 1981 Aug;23(4):538–43

VETERINARY

Swine cerebrospinal angiopathy and demyelination and malacia. Nakamura K, et al. **Vet Pathol** 1982 Mar; 19(2):140–9

FV-1 restriction of age-dependent paralytic lactic dehydrogenase virus infection. Pease LR, et al. **Virology** 1982 Feb;117(1):29–37

DENDRITES

A giant cell with dendritic cell properties in spleens of the anuran amphibian Xenopus laevis. Baldwin WM 3d, et al. **Dev Comp Immunol** 1981 Summer;5(3):461–73

Changes in the length and organization of nucleus laminaris dendrites after unilateral otocyst ablation in chick embryos. Parks TN. **J Comp Neurol** 1981 Oct 10;202(1):47–57

ANALYSIS

Measles virus antigen in panencephalitis. An immunomorphological study stressing dendritic involvement in SSPE. Budka H, et al. **Acta Neuropathol (Berl)** 1982;56(1):52–62

CYTOLOGY

A Golgi study of the superficial pyramidal cells in the somatosensory cortex of socially reared old adult rats. Connor JR, et al. **Exp Neurol** 1982 Apr;76(1):35–45

DRUG EFFECTS

Neonatal lead exposure alters the dendritic development of hippocampal dentate granule cells. Alfano DP, et al. **Exp Neurol** 1982 Feb;75(2):275–88

Effect of anisomycin on stimulation-induced changes in dendritic spines of the dentate granule cells. Fifková E, et al. **J Neurocytol** 1982 Apr;11(2):183–210

[Changes in the dendrites in chronic morphine poisoning] Bogolepov NN. **Arkh Anat Gistol Embriol** 1981 Oct; 81(10):5–11 (Eng. Abstr.) **(Rus)**

ENZYMOLOGY

Dopaminergic dendrites in the pars reticulata of the rat substantia nigra and their striatal input. Combined immunocytochemical localization of tyrosine hydroxylase and anterograde degeneration. Wassef M, et al. **Neuroscience** 1981;6(11):2125–39

GROWTH & DEVELOPMENT

Organization and development of brain stem auditory nuclei of the chicken: dendritic development in N. laminaris. Smith ZD. **J Comp Neurol** 1981 Dec 10;203(3):309–33

IMMUNOLOGY

Adherent Ia+ murine tumor lines with characteristics of dendritic cells. I. Morphology, surface phenotype, and induction of syngeneic mixed lymphocyte reactions. Cohen DA, et al. **J Exp Med** 1981 Dec 1;154(6):1881–98

Restoration of immunogenicity to passenger cell-depleted kidney allografts by the addition of donor strain dendritic cells. Lechler RI, et al. **J Exp Med** 1982 Jan 1;155(1):31–41

Lack of antibody in rheumatoid sera to autologous synovial macrophages and dendritic cells by antibody-dependent cellular cytotoxicity assays (ADCC). Griffiths MM, et al. **J Rheumatol** 1981 Jul-Aug;8(4):647–52

PHYSIOLOGY

An analytical method for investigating transient potentials in neurons with branching dendritic trees. Horwitz B. **Biophys J** 1981 Oct;36(1):155–92

Neuronal plasticity: how changes in dendritic architecture can affect the spread of postsynaptic potentials. Horwitz B. **Brain Res** 1981 Nov 16;224(2):412–8

Extracellular calcium and action potentials of soma and dendrites of hippocampal pyramidal cells. King GL, et al. **Brain Res** 1981 Dec 7;226(1-2):339–43

Dendrite spikes recorded extracellularly from dorsal horn neurones. Millar J, et al. **Brain Res** 1982 Jul 15; 243(2):253–62

Postnatal ontogenesis of hippocampal CA1 area in rats. I. Development of dendritic arborisation in pyramidal neurons. Pokorný J, et al. **Brain Res Bull** 1981 Aug; 7(2):113–20

Dendritic analysis of lobster stretch receptor neurons: electrotonic properties with single and distributed inputs. Turner DA, et al. **Cell Mol Neurobiol** 1981 Jun;1(2):189–207

Specific reduction of development of the Mauthner neuron lateral dendrite after otic capsule ablation in Brachydanio rerio. Kimmel CB, et al. **Dev Biol** 1982 Jun;91(2):468–73

Stimulation-induced changes in dimensions of stalks of dendritic spines in the dentate molecular layer. Fifková E, et al. **Exp Neurol** 1981 Nov;74(2):621–7

Characterization of chick gizzard extract that promotes neurite outgrowth in cultured ciliary neurons. Miki N, et al. **J Neurochem** 1981 Sep;37(3):627–33

A quantitative study of thalamocortical and other synapses involving the apical dendrites of corticothalamic projection cells in mouse SmI cortex. White EL, et al. **J Neurocytol** 1982 Feb;11(1):137–57

GABAergic mechanisms of dendrodendritic synapses in isolated turtle olfactory bulb. Nowycky MC, et al. **J Neurophysiol** 1981 Sep;46(3):639–48

Impulse activity in presynaptic dendrites: analysis of mitral cells in the isolated turtle olfactory bulb. Mori K, et al. **J Neurosci** 1982 Apr;2(4):497–502

A computer-aided method for the quantitative analysis of dendritic arborizations reconstructed from serial sections. Yelnik J, et al. **J Neurosci Methods** 1981 Dec;4(4):347–64

Prolonged depolarization elicited in Purkinje cell dendrites by climbing fibre impulses in the cat. Ekerot CF, et al. **J Physiol (Lond)** 1981 Sep;318:207–21

Parameters of dendritic transport. Kreutzberg GW. **Neurosci Res Program Bull** 1981 Oct;20(1):45–9

[Physiology of the cortical dendrites] García Ramos J. **Bol Estud Med Biol** 1980 Jul-Oct;31(3-4):181–9 (Eng. Abstr.) **(Spa)**

ULTRASTRUCTURE

Structure of the myenteric plexus in the sphincters of cat gastro-intestinal tract. V. Ultrastructure of the nerve cell bodies and dendrites. Lolova I, et al. **Acta Physiol Pharmacol Bulg** 1981;6(3):28–37

Structure of human auditory cortex. I. Cytoarchitectonics and dendritic distributions. Seldon HL. **Brain Res** 1981 Dec 21;229(2):277–94

Morphological identification of axo-axonic and dendro-dendritic synapses in the rat substantia gelatinosa. Zhu CG, et al. **Brain Res** 1981 Dec 28;230(1-2):25–40

Changes in dendritic spine density in the preoptic area of the female rat at puberty. Anderson CH. **Brain Res Bull** 1982 Mar;8(3):261–5

Increased branching of basal dendrites on pyramidal neurons in the occipital cortex of homozygous Brattleboro rats in standard and enriched environmental conditions: a Golgi study. Greer ER, et al. **Exp Neurol** 1982 May;76(2):254–62

Experimental hyperphenylalaninemia: dendritic alterations in motor cortex of rat. Hogan RN, et al. **Exp Neurol** 1981 Oct;74(1):218–33

Experimental hyperphenylalaninemia: dendritic alterations in cerebellum of rat. Hogan RN, et al. **Exp Neurol** 1981 Oct; 74(1):234–44

Dendritic spine changes in rat hippocampal pyramidal cells after postnatal lead treatment: a Golgi study. Király E, et al. **Exp Neurol** 1982 Jul;77(1):236–9

Development and maintenance of dendrite bundles after cordotomy in excerised and nonexercised cats. Reback PA, et al. **Exp Neurol** 1982 May;76(2):428–40

Degeneration and regeneration of motoneuron dendrites after ventral root crush: computer reconstruction of dendritic fields. Standler NA, et al. **Exp Neurol** 1982 Mar; 75(3):600–15

Initial phase of dendrite growth: evidence for the involvement of high molecular weight microtubule-associated proteins (HMWP) before the appearance of tubulin. Bernhardt R, et al. **J Cell Biol** 1982 Feb;92(2):589–93

Synaptogenesis and its relation to growth of the postsynaptic cell: a quantitative study of the developing Mauthner neuron of the axolotl. Jacoby J, et al. **J Comp Neurol** 1982 Feb 1;204(4):364–76

Postnatal modifications of the dendritic tree of cells in the inferior colliculus of the cat. A quantitative Golgi analysis. Meininger V, et al. **J Comp Neurol** 1981 Aug 10; 200(3):339–55

Sprouting in the avian brainstem auditory pathway: dependence on dendritic integrity. Rubel EW, et al. **J Comp Neurol** 1981 Nov 1;202(3):397–414

A quantitative light microscopic study of the dendrites of cat spinal alpha-motoneurons after intracellular staining with horseradish peroxidase. Ulfhake B, et al. **J Comp Neurol** 1981 Nov 10;202(4):571–83

A quantitative light microscopic study of the dendrites of cat spinal gamma -motoneurons after intracellular staining with horseradish peroxidase. Ulfhake B, et al. **J Comp Neurol** 1981 Nov 10;202(4):585–96

Dendritic topography of neurons of the retroambiguus nucleus in cat. Grottel K, et al. **J Hirnforsch** 1981; 22(5):587–9

Myelinated perikarya and dendrites in lateral geniculate nucleus of adult cat following chronic cortical deafferentation. Hámori J, et al. **J Neurocytol** 1981 Oct; 10(5):879–88

Preferential localization of polyribosomes under the base of dendritic spines in granule cells of the dentate gyrus. Steward O, et al. **J Neurosci** 1982 Mar;2(3):284–91

A method for the study of the spatial distribution of the neuronal dendritic tree using a universal stage. Berbel PJ, et al. **J Neurosci Methods** 1981 Aug;4(2):141–52

Axo-dendritic abnormalities in a case of juvenile neuronal storage disease. Paula-Barbosa MM, et al. **J Submicrosc Cytol** 1981 Oct;13(4):657–65

Sexual dimorphisms of axo-spine synapses and postsynaptic density material in the suprachiasmatic nucleus of the rat. Güldner FH. **Neurosci Lett** 1982 Feb 12;28(2):145–50

Three-dimensional analysis of dendritic trees of mitral cells in the rabbit olfactory bulb. Kishi K, et al. **Neurosci Lett** 1982 Feb 12;28(2):127–32

Discrete distributions of putative cholinergic and somatostatinergic amacrine cell dendrites in chicken retina. Morgan IG, et al. **Neurosci Lett** 1981 Nov 18;27(1):55–60

Dendritic spine loss and enlargement during maturation of the speech control system in the mynah bird (Gracula religiosa). Rausch G, et al. **Neurosci Lett** 1982 Apr 16; 29(2):129–33

Immunocytochemical, Golgi and electron microscopic characterization of putative dendrites in the ventral glial lamina of the rat supraoptic nucleus. Armstrong WE, et al. **Neuroscience** 1982 Mar;7(3):679–94

Development of terminal arbors of retino-geniculate axons in the kitten—II. Electron microscopical observations. Mason CA. **Neuroscience** 1982 Mar;7(3):561–82

Development of terminal arbors of retino-geniculate axons in the kitten—I. Light microscopical observations. Mason CA. **Neuroscience** 1982 Mar;7(3):541–59

Morphological study of human epileptic dendrites. Vaquero J, et al. **Neurosurgery** 1982 Jun;10(6 Pt 1):720–4

Morphometry of cortical dendrites. Uylings HB, et al. **Prog Clin Biol Res** 1981;59B:185–92 (38 ref.)

[Metric examinations on the development of apical dendrites of cortical pyramidal cells during the postnatal time in the rat] Böhm O, et al. **J Hirnforsch** 1981;22(4):409–27 (Eng. Abstr.) **(Ger)**

[4 spine-less neuron types in the neostriatum of the rat] Danner H, et al. **J Hirnforsch** 1981;22(4):465–77 (Eng. Abstr.) **(Ger)**

[Age-related changes in the dendrites in the cat cerebral cortex (an electron microscopic study)] Iontov AS, et al. **Arkh Anat Gistol Embriol** 1981 Oct;81(10):11–6 (Eng. Abstr.) **(Rus)**

[Analysis of the neuronal dendrite system of the olfactory bulb in the dog brain] Zvegintseva EG. **Arkh Anat Gistol Embriol** 1982 Mar;82(3):21–8 (Eng. Abstr.) **(Rus)**

[Phagocytic role of cortical dendrites in the development of anoxia in the cat] Vorob'ev VS, et al. **Tsitologiia** 1981 Aug;23(8):879–84 (Eng. Abstr.) **(Rus)**

DENERVATION

Effect of norepinephrine and renal denervation on renal PGE2 and kallikrein in rats. Diz DI, et al. **Am J Physiol** 1981 Nov;241(5):F477–81

Cerebrovascular response to hypoxia in baroreceptor- and chemoreceptor-denervated dogs. Traystman RJ, et al. **Am J Physiol** 1981 Nov;241(5):H724–31

Carotid sinus syndrome: intraoperative management facilitated by temporary transvenous demand pacing. Brown CQ, et al. **Anesthesiology** 1982 Feb;56(2):151–3

Technical aspects of selective peripheral denervation for spasmodic torticollis. Bertrand C, et al. **Appl Neurophysiol** 1982;45(3):326–30

Microsurgical denervation of rat adipose tissue: lack of effect of lipoprotein lipase. Hansson P, et al. **Biochem Biophys Res Commun** 1981 Dec 31;103(4):1254–7

Effects of reserpinization, surgical denervation and in vitro chemical denervation with 6-hydroxydopamine on the contractile response of isolated rabbit ear artery to propranolol. Purdy RE, et al. **Blood Vessels** 1981; 18(4-5):153–60

Surface changes in the anaesthetic conjunctiva in man, with special reference to the production of mucus from a non-goblet-cell source. Dilly PN, et al. **Br J Ophthalmol** 1981 Dec;65(12):833–42

Denervation supersensitivity for benzodiazepine receptors in the rat substantia nigra. Biggio G, et al. **Brain Res** 1981 Sep 14;220(2):344–9

(-)-[3H]Dihydroalprenolol binding in subcellular fractions of rat cortex following noradrenergic denervation. Giron LT Jr, et al. **Brain Res** 1981 Oct 26;223(1):223–8

Dopamine agonist-induced restoration of drinking in response to hypertonic saline in adipsic dopamine denervated rats. Dourish DT, et al. **Brain Res Bull** 1982 Apr;8(4):375–9

The influence of denervation on DNA content in skeletal muscle fibers. Savettieri G, et al. **Cell Biol Int Rep** 1981 Sep;5(9):845–9

Absence of functional collateral sprouting of mechanoreceptor axons into denervated areas of mammalian skin. Horch K. **Exp Neurol** 1981 Oct; 74(1):313–7

Effects of chronic renal denervation in uni-nephrectomized rats. Gulati OP, et al. **Indian J Exp Biol** 1981 Jul; 19(7):671–3

Effects of chronic denervation on the histology of canine extraocular muscle. Baker RS, et al.

Invest Ophthalmol Vis Sci 1982 Jun;22(6):701–5

Role of the adrenergic nerve terminal in digitalis-induced cardiac toxicity: a study of the effects of pharmacological and surgical denervation. Lathers CM, et al. **J Cardiovasc Pharmacol** 1982;4(1):91–8

Brain (Na+, K+)-ATPase and noradrenergic activity: effects of hyperinnervation and denervation on high-affinity ouabain binding. Swann AC, et al. **J Neurochem** 1982 Mar;38(3):836–9

Effect of denervation on 'synaptic' ribbon populations in the rat pineal gland. King TS, et al. **J Neurocytol** 1982 Feb; 11(1):19–28

Effect of denervation on cyclic nucleotide metabolism in different types of skeletal muscle of the rat. McLane JA, et al. **J Neurosci Res** 1981;6(3):327–36

Effect of superior cervical ganglionectomy on the sensitivity of rabbit ear artery and cerebral arteries of rabbit and cat to vasoactive agents. Araki H, et al. **J Pharmacol Exp Ther** 1982 Jan;220(1):49–55

Lipid metabolism in partially hepatectomized dogs and effect of hepatic periarterial neurectomy. Mochinaga N. **Jpn J Surg** 1981 Mar;11(2):115–23

Gangliosides and sialoglycoproteins in normal and denervated rat diaphragm muscle. Inestrosa NC, et al. **Muscle Nerve** 1982 Jan;5(1):33–8

Water and sodium excretion in unilaterally denervated normal and sodium depleted anesthetized rats before and after plasma volume repletion. Szénási G, et al. **Pflugers Arch** 1982 Apr;393(2):133–8

[Denervation of articular facets in painful lumbar syndromes] Fassio B, et al. **Acta Orthop Belg** 1981 Jul–Oct; 47(4–5):599–604 **(Fre)**

[Surgical treatment of Prinzmetal variant angina. Coronary artery bypass and plexectomy (author's transl)] Soots G, et al. **Ann Chir** 1981 Oct;35(8):541–7 (Eng. Abstr.) **(Fre)**

[Surgical treatment of Prinzmetal's angina pectoris by plexectomy associated with aortocoronary bypass. Apropos of 56 cases] Bertrand ME, et al. **Arch Mal Coeur** 1982 May; 75(5):575–82 (Eng. Abstr.) **(Fre)**

[Treatment of a severe coronary artery spasm, refractory to complete denervation of the heart (autotransplantation)] Bertrand ME, et al. **Arch Mal Coeur** 1982 Jun;75(6):717–23 (Eng. Abstr.) **(Fre)**

[Surgical treatment of Prinzmetal variant angina. Coronary artery by pass and plexectomy (author's transl)] Soots G, et al. **Sem Hop Paris** 1982 Jan 28;58(4):213–9 (Eng. Abstr.) **(Fre)**

[Pancoast's syndrome from the analgesic viewpoint. Our current orientation] Matossi L'Orsa R, et al. **Minerva Anestesiol** 1981 Nov;47(11):783–8 (Eng. Abstr.) **(Ita)**

[Esophageal denervation determined by superselective vagotomy] Barroso FL, et al. **Rev Hosp Clin Fac Med Sao Paulo** 1981 Dec;36(6):248–51 (Eng. Abstr.) **(Por)**

[Indications for liver resection and denervation of the hepatic artery in cirrhosis and chronic hepatitis] Nartsissov TV. **Klin Khir** 1981 Sep;(9):63 **(Rus)**

METHODS

Percutaneous facet denervation and partial posterior rhizotomy. Sluijter ME. **Acta Anaesthesiol Belg** 1981; 32(1):63–79

Local block of lumbar facet joints and percutaneous radiofrequency denervation. Preliminary results. Uyttendaele D, et al. **Acta Orthop Belg** 1981 Jan–Feb; 47(1):135–9

Denervation of arterial chemoreceptors and baroreceptors in fetal lambs in utero. Itskovitz J, et al. **Am J Physiol** 1982 May;242(5):H916–20

Effects of hepatic periarterial neurectomy (HPN) on the treatment of biliary stresia. Todani T, et al. **J Pediatr Surg** 1982 Apr;17(2):158–62

[Periarterial neurectomy of the common hepatic artery as a method of treating certain forms of acute and chronic hepatitis] Gaidarski R, et al. **Khirurgiia (Sofiia)** 1982; 35(2):145–51 (Eng. Abstr.) **(Bul)**

[Results of a denervating operation in radial and ulnar humeral epicondylitis] Meine J, et al. **Handchirurgie** 1981; 13(3–4):254–9 (Eng. Abstr.) **(Ger)**

[Use of morphological studies of the tympanic ganglion and tympanic membrane in transtympanic neurectomy] Kulczyński B. **Otolaryngol Pol** 1981;35(3):293–5 **(Pol)**

DENERVATION, SYMPATHETIC, CHEMICAL see **SYMPATHECTOMY, CHEMICAL**

DENGUE

Dengue fever and dengue shock syndrome. Morens DM. **Hosp Pract** 1982 Jul;17(7):103–7, 110–3 (8 ref.)

Acute polyneuritis associated with dengue [letter] Acevedo J, et al. **Lancet** 1982 Jun 12;1(8285):1357

BLOOD

Dengue: hematologic aspects. Halstead SB. **Semin Hematol** 1982 Apr;19(2):116–31 (103 ref.)

COMPLICATIONS

Failure of hydrocortisone to affect outcome in dengue shock syndrome. Sumarmo, et al. **Pediatrics** 1982 Jan;69(1):45–9

Some unusual gynaecological observations during an outbreak of dengue in Kingston, Jamaica. Sengupta BS. **Trop Geogr Med** 1981 Dec;33(4):397–9

DIAGNOSIS

Early diagnosis of viraemia in some experimental arbovirus infections in mice. Klisenko GA, et al. **Acta Virol (Praha)** 1981 Sep;25(5):322–5

Viraemia in patients with naturally acquired dengue infection. Gubler DJ, et al. **Bull WHO** 1981;59(4):623–30

[Clinical picture of imported dengue] Lisukova TE, et al. **Sov Med** 1981;(12):94–5 **(Rus)**

DRUG THERAPY

Pulse therapy in severe form of dengue shock syndrome. Futrakul P, et al. **J Med Assoc Thai** 1981 Oct;64(10):485–91

ETIOLOGY

The Alexander D. Langmuir Lecture. The pathogenesis of dengue. Molecular epidemiology in infectious disease. Halstead SB. **Am J Epidemiol** 1981 Nov;114(5):632–48 (62 ref.)

HISTORY

Dengue haemorrhagic fever in Singapore. Wong HB. **Ann Acad Med Singapore** 1981 Jan;10(1):91–8 (25 ref.)

Some medical aspects of the Darien scheme: was it dengue? McSherry JA. **Scott Med J** 1982 Apr;27(2):183–4

IMMUNOLOGY

Histocompatibility antigens and dengue hemorrhagic fever. Chiewsilp P, et al. **Am J Trop Med Hyg** 1981 Sep; 30(5):1100–5

[Characterization of the suppressor factor produced in the spleen of dengue virus-infected mice. Chaturvedi UC, et al. **Ann Immunol (Paris)** 1981 May–Jun;132 C(3):245–55

Role of macrophages in the transmission of dengue virus-induced suppressor signal to a subpopulation of T lymphocytes. Chaturvedi UC, et al. **Ann Immunol (Paris)** 1982 Jan–Feb;133(1):83–96

Depressed macrophage functions in dengue virus-infected mice: role of the cytotoxic factor. Gulati L, et al. **Br J Exp Pathol** 1982 Apr;63(2):194–202

Target lymphoid cells for the cytotoxic factor produced in the spleen of dengue virus-infected mice. Chaturvedi UC, et al. **Immunol Lett** 1981 Apr;3(1):13–6

Dengue virus-induced suppressor factor stimulates production of prostaglandin to mediate suppression. Shukla MI, et al. **J Gen Virol** 1981 Oct;56(Pt 2):241–9

Induction and characterization of delayed-type hypersensitivity to dengue virus in mice. Pang T, et al. **J Infect Dis** 1982 Aug;146(2):235–42

Surveillance of dengue hemorrhagic fever cases in Thailand. Gunakasem P, et al. **Southeast Asian J Trop Med Public Health** 1981 Sep; 12(3):338–43

[Dengue. Clinicoserological study in mothers and newborn infants. Preliminary study] Cantelar de Francisco N, et al. **Rev Cubana Med Trop** 1981 May–Aug;33(2):96–105 (Eng. Abstr.) **(Spa)**

[Survey of dengue in Cuba. 1978–1979] Cantelar de Francisco N, et al. **Rev Cubana Med Trop** 1981 Jan–Apr;33(1):72–8 (Eng. Abstr.) **(Spa)**

MICROBIOLOGY

Plasma as a better source for dengue virus recovery from dengue hemorrhagic fever patients. Gunakasem P. **J Med Assoc Thai** 1982 Mar;65(3):115–9

Infection of young adult mice with dengue virus type 2. Boonpucknavig S, et al. **Trans R Soc Trop Med Hyg** 1981; 75(5):647–53

[Dengue outbreak by virus type 4 in French Polynesia. II. Preliminary biological observations on epidemiology and physiopathology of the disease (author's transl)] Parc F, et al. **Med Trop (Mars)** 1981 Jan–Feb;41(1):97–102 (Eng. Abstr.) **(Fre)**

OCCURRENCE

Epidemic dengue 3 in central Java, associated with low viremia in man. Gubler DJ, et al. **Am J Trop Med Hyg** 1981 Sep;30(5):1094–9

Dengue in the Seychelles. Calisher CH, et al. **Bull WHO** 1981;59(4):619–22

Haemorrhagic disorders. Part 2: Tropical Asia. Suvatte V. **Clin Haematol** 1981 Oct;10(3):933–62 (109 ref.)

Investigation of the 1975 dengue epidemic in Amalner town of Maharashtra. Rao GL, et al. **Indian J Med Res** 1981 Aug;74:156–63

Human arboviral infections in the United States in 1980. Kappus KD, et a.. **J Infect Dis** 1982 Feb;145(2):283–6

Dengue-2 virus in Kenya [letter] Johnson BK, et al. **Lancet** 1982 Jul 24;2(8291):208–9

Entomological aspects of endemic dengue fever in Sarawak 1973 - 1980. Chang MS, et al. **Med J Malaysia** 1981 Jun; 36(2):79–82

Imported dengue type 4—Florida. **MMWR** 1982 Jan 1; 30(50–51):622–3

Dengue fever in Puerto Rico - 1981. **MMWR** 1982 Mar 5; 31(8):103–4

Surveillance of dengue hemorrhagic fever cases in Thailand. Gunakasem P, et al. **Southeast Asian J Trop Med Public Health** 1981 Sep; 12(3):338–43

[The epidemic of dengue fever at Shiwanzhen of Forshan City in 1978 (author's transl)] Zhao HL. **Chung Hua I Hsueh Tsa Chih** 1981 Aug;61(8):466–9 (Eng. Abstr.) **(Chi)**

[On an outbreak caused by dengue type 4 virus, in Thio, New Caledonia. Epidemiological and clinical aspects (author's transl)] Le Gonidec G, et al. **Bull Soc Pathol Exot Filiales** 1982 Mar–Apr;75(2):141–50 (Eng. Abstr.) **(Fre)**

[Dengue outbreak by virus type 4 in French Polynesia. I. General epidemiology - clinical specific aspects (author's transl)] Parc F, et al. **Med Trop (Mars)** 1981 Jan–Feb; 41(1):93–6 (Eng. Abstr.) **(Fre)**

[South-East Asian arboviruses (author's transl)] Rodhain F. **Med Trop (Mars)** 1981 Jan–Feb;41(1):63–71 (Eng. Abstr.) **(Fre)**

PATHOLOGY

Ultrastructural changes in skeletal muscles in dengue virus-infected mice. Nath P, et al. **J Pathol** 1982 Apr; 136(4):301–5

PREVENTION & CONTROL

Role of a modified ovitrap in the control of Aedes aegypti in Houston, Texas, USA. Cheng ML, et al. **Bull WHO** 1982;60(2):291–6

WHO fights dengue haemorrhagic fever. Halstead SB. **WHO Chron** 1982;36(2):65–7

THERAPY

[Clinical analysis of 583 cases of dengue fever (author's transl)] Wei XA. **Chung Hua I Hsueh Tsa Chih** 1981 Aug; 61(8):470–4 (Eng. Abstr.) **(Chi)**

TRANSMISSION

Imported dengue fever in New York State. Srihongse S, et al. **NY State J Med** 1982 Jun;82(7):1057–9

[Arboviruses: part II. Introduction] Courtois D. **Med Trop (Mars)** 1981 Jan–Feb;41(1):9–11 **(Fre)**

DENGUE VIRUS

CLASSIFICATION

Dengue-2 virus in Kenya [letter] Johnson BK, et al. **Lancet** 1982 Jul 24;2(8291):208–9

DRUG EFFECTS

Antiviral effects if ribavirin and 6-mercapto-9-tetrahydro-2-furylpurine against dengue viruses in vitro. Koff WC, et al. **Antiviral Res** 1982 May; 2(1–2):69–79

GROWTH & DEVELOPMENT

Demonstration of interference between dengue virus types in cultured mosquito cells using monoclonal antibody probes. Dittmar D, et al. **J Gen Virol** 1982 Apr;59(Pt 2):273–82

Replication of dengue virus in cultured mosquito cells at suboptimal temperature. Dittmar D, et al. **Proc Soc Exp Biol Med** 1982 May;170(1):68–74

IMMUNOLOGY

Identification of distinct antigenic determinants on dengue-2 virus using monoclonal antibodies. Gentry MK, et al. **Am J Trop Med Hyg** 1982 May;31(3 Pt 1):548–55

Dengue virus-specific and flavivirus group determinants identified with monoclonal antibodies by indirect immunofluorescence. Henchal EA, et al. **Am J Trop Med Hyg** 1982 Jul;31(4):830–6

Studies on the rapid detection of Dengue virus antigen by immunofluorescence an radioimmunoassay. Qiu FX, et al. **Chin Med J [Engl]** 1981 Oct;94(10):653–8

Cycloheximide & mitomycin C inhibited production of dengue virus-induced suppressor factor. Shukla MI, et al. **Indian J Exp Biol** 1981 Sep;19(9):826–8

Infection enhancement of dengue type 2 virus in the U-937 human monocyte cell line by antibodies to flavivirus cross-reactive determinants. Brandt WE, et al. **Infect Immun** 1982 Jun;36(3):1036–41

Lack of greater seroconversion of rhesus monkeys after subcutaneous inoculation of dengue type 2 live-virus vaccine combined with infection-enhancing antibodies. Kraiselburd EN, et al. **Infect Immun** 1981 Aug;33(2):389–94

Induction and characterization of delayed-type hypersensitivity to dengue virus in mice. Pang T, et al. **J Infect Dis** 1982 Aug;146(2):235–42

Role of macrophages and thymus in anti-dengue antibody production in mice. Murakami I. **Kobe J Med Sci** 1982 Feb;28(1):33–46

ISOLATION & PURIFICATION

Plasma as a better source for dengue virus recovery from dengue hemorrhagic fever patients. Gunakasem P. **J Med Assoc Thai** 1982 Mar;65(3):115–9

Isolation and identification of dengue viruses by combined use of C6/36 cells and the immune adherence hemagglutination test. Suntharee R, et al. **Jpn J Med Sci Biol** 1981 Dec;34(6):375–9

Detection of dengue virus by immunofluorescence after intracerebral inoculation of mosquitoes [letter] Thet-Win. **Lancet** 1982 Jan 2;1(8262):53–4

[Dengue outbreak by virus type 4 in French Polynesia. II. Preliminary biological observations on epidemiology and physiopathology of the disease (author's transl)] Parc F, et al. **Med Trop (Mars)** 1981 Jan–Feb;41(1):97–102 (Eng. Abstr.) **(Fre)**

PHYSIOLOGY

Rapid phospholipase A2 stimulation and diacylglycerol cholinephosphotransferase inhibition in baby hamster kidney cells during initiation of dengue virus infection. Malewicz B, et al. **Biochem Biophys Res Commun** 1981 Jul 30;101(2):404–10

DENIAL (PSYCHOLOGY)

The dilemma of denial in the assessment of competency to refuse treatment. Roth LH, et al. **Am J Psychiatry** 1982 Jul;139(7):910–3

Psychiatric patient denial of mental illness as a normal process. O'Mahony PD. **Br J Med Psychol** 1982 Jun;55(Pt 2):109–18

Hope, loss and entitlement: lessons from the oncology situation. Silberfeld M. **Can J Psychiatry** 1981 Oct; 26(6):415–8

Psychotic denial of third-trimester pregnancy. Slayton RI, et al. **J Clin Psychiatry** 1981 Dec;42(12):471–3

Life stress, denial and outcome in ischemic heart disease patients. Prince R, et al. **J Psychosom Res** 1982;26(1):23–31

Denial. Are sharper definitions needed? Cousins N. **JAMA** 1982 Jul 9;248(2):210–2

The use of videotape in the erosion of denial in alcoholism: pilot study. Crawford RJ. **NZ Med J** 1982 Feb 10; 95(701):82–4

DENS IN DENTE see under **TOOTH ABNORMALITIES**

DENSITOMETRY

[Automated analysis of densitometric profiles of G-banded human chromosomes 2 and 3 (author's transl)] Dominique S, et al. **Ann Genet (Paris)** 1981;24(4):206–11 (Eng. Abstr.) **(Fre)**

[Densitometry (author's transl)] Eifler KJ, et al. **Biomed Tech (Berlin)** 1981 Nov;26(11):266–73 (Eng. Abstr.) **(Ger)**

[Computer tomographic densitometry of formalin-fixed and frozen human tissue (author's transl)] Schmitt WG, et al. **ROFO** 1980 Nov;133(5):531–4 (Eng. Abstr.) **(Ger)**

[Focal nodular hyperplasia of the liver—is a radiologic diagnosis possible? (author's transl)] Majewski A, et al. **Rontgenblatter** 1982 Jun;35(6):229–35 (Eng. Abstr.) **(Ger)**

[The value of cinedensitometry (author's transl)] Sugahara T, et al. **Kokyu To Junkan** 1981 Jun;29(6):605–9 **(Jpn)**

INSTRUMENTATION

A simple logarithmic amplifier for the photographic quantitation of DNA in gel electrophoresis. Hörz W, et al. **Anal Biochem** 1981 Nov 1;117(2):266–70

A continuously recording retinal densitometer. van Norren D, et al. **Vision Res** 1981;21(6):897–905

[Echodensitometry of organ structures in ultrasound scanning] Dmitrienkov BN, et al. **Vestn Akad Med Nauk SSSR** 1981;(12):59–62 (Eng. Abstr.) **(Rus)**

METHODS

Comment on 'error in photodensitometric bone density' [letter] Bachtell RS, et al. **Am J Clin Nutr** 1982 Jun; 35(6):1505–7

Improved mass determination of isolated biological objects by transmission electron microscopy and scanning microdensitometry. Linders PW, et al. **J Histochem Cytochem** 1982 Jul;30(7):637–44

Evaluation of periventricular hypodensity in experimental hydrocephalus by metrizamide CT ventriculography. Hiratsuka H, et al. **J Neurosurg** 1982 Feb;56(2):235–40

A rapid densitometric microassay for nitroblue tetrazolium reduction and application of the microassay to macrophages. Pick E, et al. **J Reticuloendothel Soc** 1981 Dec;30(6):581–93

Quantitation of antigens by densitometric scanning of immunoelectrophoretic precipitates. Krøll J. **Methods Enzymol** 1981;73(Pt B):370–83

Densitometric measurement of two cellular parameters related to the secretory activity of the subcommissural organ. Diederen JH, et al. **Microsc Acta** 1981 Sep; 85(1):25–44

Microgravimetric analysis of nerve edema. Costello ML, et al. **Muscle Nerve** 1982 Apr;5(4):261–4

Regional renal function measured by videodensitometry. Erikson U, et al. **Scand J Urol Nephrol** 1981;15(2):131–5

[Electronic equidensitometry. Contribution of video-image processing to the study of the choriocapillaris] Bec P, et al. **Bull Soc Ophtalmol Fr** 1982 Jan;82(1):83–5 **(Fre)**

[Videodensitometry of the ultrasonic tomogram for tissue differentiation of the liver (author's transl)] Raab K, et al. **Radiol Diagn (Berl)** 1982 Mar;23(2):127–34 (Eng. Abstr.) **(Ger)**

[Use of Densitometric method in analyzing the lipid composition of the cerebrum and cerebellum (author's transl)] Dobrota S, et al. **Bratisl Lek Listy** 1981 Sep; 76(3):308–14 (Eng. Abstr.) **(Slo)**

DENSITOMETRY, X-RAY

Second International Workshop on Bone and Soft Tissue Densitometry Using Computed Tomography. Zuoz, Switzerland, April 13–16, 1981. Abstracts. **J Comput Assist Tomogr** 1982 Feb;6(1):197–220

Changes of cerebral density in dialyzed patients. Dettori P, et al. **Neuroradiology** 1982;23(2):95–9

Effects of long-term neuroleptic use on brain density. Lyon K, et al. **Psychiatry Res** 1981 Aug;5(1):33–7

Clinical relevance of radiologic examination of the skeleton and bone density measurements in osteoporosis of old age. Kovarik J, et al. **Skeletal Radiol** 1981;7(1):37–41

[Measurement of doses in radiodiagnosis and tomodensitometry] Aubert B. **J Radiol** 1981 Nov; 62(11):587–9 **(Fre)**

[The Singh radiological method in the quantitative evaluation of osteoporosis: comparison with the densitometric method. Preliminary results] Cabitza P, et al. **Chir Ital** 1981 Apr; 33(2):613–5 **(Ita)**

[Computerized densitometric analysis with cerebral computerized axial tomography in the study of encephalopathy in dialyzed patients] La Greca G, et al. **Minerva Nefrol** 1981 Apr–Jun;28(2):143–6 (Eng. Abstr.) **(Ita)**

[Comparison of the Nordin index and CT densitometry in the study of the variation of bone mineralization in vivo] Ferrari F, et al. **Radiol Med (Torino)** 1982 Jan–Feb; 68(1–2):41–3 **(Ita)**

METHODS

Angiographic quantitation of the degree of mitral regurgitation by use of videodensitometry. Study in 172 patients. Erikson U. **Ann Radiol (Paris)** 1981 Jun–Jul; 24(5):320–2

A new method for measurement of bone mineral deposition pattern—using dual energy radiographic densitometry method in a single exposure. Katoh T, et al. **Bull Tokyo Med Dent Univ** 1981 Sep;28(3):91–8

Quantitative densitometry of neurotransmitter receptors. Rainbow TC, et al. **J Neurosci Methods** 1982 Jan; 5(1–2):127–38

A technique of scatter and glare correction for videodensitometric studies in digital subtraction videoangiography. Shaw CG, et al. **Radiology** 1982 Jan; 142(1):209–13

Determination of myocardial blood flow by videodensitometry. A preliminary report. Erikson U, et al. **ROFO** 1981 Oct;135(4):404–6

[Video-densitometric demonstration of abnormal movement of the left ventricle compared with results of levocardiography (author's transl)] Krappel W, et al. **ROFO** 1982 Jul;137(1):81–4 (Eng. Abstr.) **(Ger)**

[Accuracy and performance of Roentgen-Videodensitometry for valvular regurgitation and ventricular ejection measurements (author's transl)] Falliner A, et al. **Z Kardiol** 1981 Oct;70(10):754–60 (Eng. Abstr.) **(Ger)**

[Computerized tomography and densitometry using computerized tomography in abdominal injuries] Stoltze D, et al. **Zentralbl Chir** 1981;106(6):400–7 **(Ger)**

[Densitometric analysis of dental autoradiograms] Chilikin VN, et al. **Stomatologiia (Mosk)** 1981;60(4):10–3 (Eng. Abstr.) **(Rus)**

DENTAL ALLOYS

Effects of composition and cross section on the elastic properties of orthodontic wires. Kusy RP, et al. **Angle Orthod** 1981 Oct;51(4):325–41

Heat treatment of amalgam alloy versus creep of amalgam. Vrijhoef MM, et al. **Ann Biomed Eng** 1981;9(2):177–84

The microhardness of crystals formed by the reaction of mercury on dental alloy. Grajower R. **Isr J Dent Med** 1981 Sep;29(1–2):65–7

Surface mechanical properties of stone, resin, and metal dies. Fan PL, et al. **J Am Dent Assoc** 1981 Sep;103(3):408–11

Work hardening and forming behavior of cast dental alloys. Baran G, et al. **J Biomed Mater Res** 1981 Nov;15(6):835–41

Fissure sealants versus amalgams: clinical results over five years. Smales RJ. **J Dent** 1982 Jun;10(2):95–102

Plaque growth on dental restorative materials. Smales RJ. **J Dent** 1981 Jun;9(2):133–40

Preclinical assessment of a technique alloy for teaching cast restorations. Kelsey WP 3d, et al. **J Dent Educ** 1982 May; 46(5):293–6

Correlation of thermal shock resistance with thermal compatibility dat for porcelain-metal systems. Anusavice KJ, et al. **J Dent Res** 1982 Feb;61(2):419–22

Porcelain-metal thermal compatibility [letter] Bertolotti RL. **J Dent Res** 1982 Jan;61(1):71–2

Precipitations in a dental Ag-Pd-Cu-Au alloy. Herø H, et al. **J Dent Res** 1982 May;61(5):673–7

In vitro tarnish measurements on fixed prosthodontic alloys. German RM, et al. **J Prosthet Dent** 1982 Apr;47(4):399–406

Marginal distortion of the porcelain- bonded-to-metal complete crown: an SEM study. Hamaguchi H, et al. **J Prosthet Dent** 1982 Feb;47(2):146–53

Evaluation of the marginal integrity of ceramometal restorations. Part I. Strating H, et al. **J Prosthet Dent** 1981 Jul;46(1):59–65

A study of the effect of an increased mold temperature on the casting ability of some nonprecious alloys for porcelain veneers. Thomson DH. **J Prosthet Dent** 1982 Jul;48(1):52–8

Microhardness of alloys for porcelain veneering. Yli-Urpo A, et al. **J Prosthet Dent** 1982 Apr;47(4):396–8

Accuracy of small base metal dental castings. Huget EF, et al. **Milit Med** 1981 Nov;146(11):764–6

Electrochemical profiles of crown-and-bridge alloys. Huget EG, et al. **Milit Med** 1981 Oct;146(10):699–702

The advantages of gold as a dental restorative material. Calisti LJ. **NY State Dent J** 1982 Jun–Jul;48(6):389–90

Bond strength of porcelain to dental alloys – an evaluation of two test methods. Oilo G, et al. **Scand J Dent Res** 1981 Jun;89(3):289–96

Porosity—strength relationship in a Cu-rich spherical alloy amalgam. Mackert JR Jr, et al. **Shika Rikogaku Zasshi** 1981 Oct;22(60):257–61

Corrosion behaviour and heat treatment in low-melting Ni-Cu-Mn alloy. Wakasa K, et al. **Shika Rikogaku Zasshi** 1981 Oct;22(60):295–8

Fracture process in tensile testing dental Ni-base casting alloys. Wakasa K, et al. **Shika Rikogaku Zasshi** 1981 Oct; 22(60):290–4

Microstructure change and segregation distribution in dental 32 Ni-23 Cu-25 Mn casting alloy. (Part I) Effect of air-vent system. Wakasa K, et al. **Shika Rikogaku Zasshi** 1982 Jan;23(61):19–23

Microstructure change and segregation distribution in dental 32 Ni-23 Cu-25 Mn casting alloy. (Part II) Effect of chill-metal system. Wakasa K, et al. **Shika Rikogaku Zasshi** 1982 Jan;23(61):24–8

Studies of electrochemical action in the oral cavity. Niiner K. **Swed Dent J [Suppl]** 1981;(9):1–42

[Alternatives to the use of precious metals] Meyer JM, et al. **SSO Schweiz Monatsschr Zahnheilkd** 1981 Sep;91 Spec No:707–22 (Eng. Abstr.) **(Fre)**

[Experimental studies on the materials characteristics of dental alloys] Benz G, et al. **Dtsch Zahnarztl Z** 1982 Apr; 37(4):353–5 (Eng. Abstr.) **(Ger)**

[Bending strength of a noble metal-ceramic composite as a function of pretreatment of the metal framework] Freesmeyer WB, et al. **Dtsch Zahnarztl Z** 1981;36(12):791–6 (Eng. Abstr.) **(Ger)**

[In vitro study of the occurrence of screw and pin corrosion in dental prosthesis structures] Wirz J, et al. **SSO Schweiz Monatsschr Zahnheilkd** 1982 May; 92(5):408–28 (Eng. Abstr.) **(Ger)**

[The use of samarium-cobalt magnets in prosthodontics] Szóke A, et al. **Fogorv Sz** 1982 Jan;75(1):11–6 **(Hun)**

[Use of magnetics and magnetic alloys in the field of dental prosthesis] Mizutani K, et al. **Kokubyo Gakkai Zasshi** 1981 Dec;48(4):475 **(Jpn)**

[Use of NiTi alloy in dentistry] Watanabe K, et al. **Kokubyo Gakkai Zasshi** 1981 Jun;48(2):249 **(Jpn)**

[Studies on the mechanical properties of dental Ag-Pd-Au-Cu alloys. (Part 1) Effects of age-hardening treatment on the tensile behaviour of alloys (author's transl)] Asaoka K, et al. **Shika Rikogaku Zasshi** 1981 Oct; 22(60):271–6 (Eng. Abstr.) **(Jpn)**

[Studies on Pd-Co-Ni dental casting ferromagnetic alloys. (Part I) (author's transl)] Harada H. **Shika Rikogaku Zasshi** 1981 Apr;22(59):241–5 (Eng. Abstr.) **(Jpn)**

[Studies on Pd-Co-Ni dental casting ferromagnetic alloys. (Part II) (author's transl)] Harada H. **Shika Rikogaku Zasshi** 1981 Apr;22(59):246–52 (Eng. Abstr.) **(Jpn)**

[Cast structures and mechanical properties of Ir added to Ag-based alloys. (Part 1) (author's transl)] Honma H, et al. **Shika Rikogaku Zasshi** 1981 Apr;22(59):235–40 (Eng. Abstr.) **(Jpn)**

[Adhesion of polysulfide rubber impression material to dental metals (author's transl)] Kawai T, et al. **Shika Rikogaku Zasshi** 1982 Jan;23(61):40–6 (Eng. Abstr.) **(Jpn)**

[Isothermal ordering process and order-hardening in CuPd alloys (author's transl)] Shiraishi T. **Shika Rikogaku Zasshi** 1981 Apr;22(58):119–28 (Eng. Abstr.) **(Jpn)**

[Tensile deformation behaviour and mechanical properties in dental Ni-base casting alloys (author's transl)] Wakasa K, et al. **Shika Rikogaku Zasshi** 1981 Apr;22(59):217–21 (Eng. Abstr.) **(Jpn)**

[Studies on new superelastic NiTi orthodontic wire. (Part 1) Tensile and bend test (author's transl)] Watanabe K. **Shika Rikogaku Zasshi** 1982 Jan;23(61):47–57 (Eng. Abstr.) **(Jpn)**

[Indications for using removable prostheses with cast metal bases] Gavrilov EI, et al. **Stomatologiia (Mosk)** 1981 Sep–Oct;60(5):61–3 (Eng. Abstr.) **(Rus)**

ADVERSE EFFECTS

Alloys for crown and bridgework. Brockhurst PJ, et al. **Aust Dent J** 1981 Oct;26(5):287–94

Allergy to palladium in dental alloys. van Ketel WG, et al.

Contact Dermatitis 1981 Nov;7(6):331

The nickel problem. Blanco-Dalmau L. **J Prosthet Dent** 1982 Jul;48(1):99-101

An 18-month clinical evaluation of semiprecious and nonprecious alloy restorations. Landesman HM, et al. **J Prosthet Dent** 1981 Aug;46(2):161-6

Intraoral currents and taste thresholds. Nilner K, et al. **Swed Dent J** 1982;6(3):105-13

[Current opinion on the incorporation of various metals in the oral cavity] Meyer E. **Dtsch Zahnarztl Z** 1981 Apr; 36(4):265-9 (Eng. Abstr.) **(Ger)**

[Nickel intake in human saliva from dental alloys] Lebedenko IIu, et al. **Gig Sanit** 1981 Jun;(6):77-8 **(Rus)**

[Effect of metal inclusions in the oral cavity on the general state of the body] Ivanova AF. **Stomatologiia (Mosk)** 1981 Sep-Oct;60(5):63-7 (Eng. Abstr.) **(Rus)**

ANALYSIS

Dust in workroom air of dental laboratories. Brune D, et al. **Swed Dent J** 1981;5(5-6):247-51

CLASSIFICATION

Classification and definition of alloys used for casting substrates for porcelain veneering. Council on Dental Materials, Instruments, and Equipment. **J Am Dent Assoc** 1981 Nov;103(5):755-7

PHARMACODYNAMICS

Biological effects of nickel-containing dental alloys. Council on Dental Materials, Instruments, and Equipment. Moffa JP. **J Am Dent Assoc** 1982 Apr;104(4):501-5 (37 ref.)

[The effects of granulometry and alloy structure on the quality of the formed amalgam] Lemaitre L, et al. **Rev Belge Med Dent** 1982 Jan;37(1):24-7 **(Dut)**

STANDARDS

New alloys for crown and bridge. O'Neal SJ. **Ala J Med Sci** 1981 Oct;18(4):409-12

Forming of cast precious metal alloys. Baran G, et al. **J Dent Res** 1981 Oct;60(10):1767-72

Stress-relaxation testing. Part III: Influence of wire alloys, gauges, and lengths on clasp behavior. Brudvik JS, et al. **J Prosthet Dent** 1981 Oct;46(4):374-9

Stress-relaxation testing. Part I: A new approach to the testing of removable partial denture alloys, wrought wires, and clasp behavior. Morris HF, et al. **J Prosthet Dent** 1981 Aug;46(2):133-41

TOXICITY

A critical evaluation of the acute systemic toxicity test for dental alloys using histopathologic criteria. Culliton CR, et al. **J Biomed Mater Res** 1981 Jul;15(4):565-75

DENTAL AMALGAM

Surface roughness and porosity of dental amalgam. Leitão J. **Acta Odontol Scand** 1982;40(1):9-16

Fluoride uptake by cavity walls from a fluoride-containing amalgam in vitro. An electron microprobe analysis. Tveit AB, et al. **Acta Odontol Scand** 1981;39(2):107-13

Heat treatment of amalgam alloy versus creep of amalgam. Vrijhoef MM, et al. **Ann Biomed Eng** 1981;9(2):177-84

Use of amalgam and stainless steel restorations for primary molars. Dawson LR, et al. **ASDC J Dent Child** 1981 Nov-Dec;48(6):420-2

Mercury leakage from some disposable amalgam capsules during transport. **Aust Dent J** 1982 Feb;27(1):47-8

Marginal fracture of amalgam restorations. A review. Bryant RW. **Aust Dent J** 1981 Jun;26(3):162-6 (47 ref.)

Nomogram to determine parameters of mechanical amalgamators. Darvell BW. **Aust Dent J** 1982 Feb; 27(1):45-6

Efficiency of mechanical trituration of amalgam. III. Practical comparisons. Darvell BW. **Aust Dent J** 1981 Aug; 26(4):236-43

Tensile creep of dental amalgam. Greener EH, et al. **Biomaterials** 1982 Apr;3(2):101-4

Allergy to mercury in dental amalgam. Duxbury AJ, et al. **Br Dent J** 1982 Jan 19;152(2):47-8

Lining materials for amalgam restorations. Lim MY, et al. **Br Dent J** 1982 May 4;152(9):313-5

Clinical evaluation of composite and amalgam posterior restorations: one year results. Derkson GD, et al. **Can Dent Assoc J** 1982 Jan;48(1):45-7

Veneering amalgam restorations. Gourley JM, et al. **Can Dent Assoc J** 1982 Jan;48(1):49-50

The effect of condensation on adaptation and void formation using various dental amalgam alloys. Gourley JM, et al. **Can Dent Assoc J** 1982 Apr;48(4):266-70

A clinical evaluation of occlusal composite and amalgam restorations: one- and two-year results. Gibson GB, et al. **J Am Dent Assoc** 1982 Mar;104(3):335-7

Fracture resistance of mandibular molars with occlusal class I amalgam preparations. Re GJ, et al. **J Am Dent Assoc** 1981 Oct;103(4):580-3

Cu2O and CuCl2 . 3Cu(OH)2 corrosion products on copper rich dental amalgams. Marshall SJ, et al. **J Biomed Mater Res** 1982 Jan;16(1):81-5

The effect of surface roughness of the trituration pestle and mortar on the dimensional change of some dental amalgams. Batchelor RF, et al. **J Dent** 1981 Dec;9(4):311-7

Fissure sealants versus amalgams: clinical results over five years. Smales RJ. **J Dent** 1982 Jun;10(2):95-102

Fracture at the margins of amalgam as predicted by creep, zinc content, and gamma-2 content. Gale EN, et al. **J Dent Res** 1982 May;61(5):678-80

The effects of cavity smear layer removal on experimental marginal leakage around amalgam restorations. Jodaikin A, et al. **J Dent Res** 1981 Nov;60(11):1861-6

Creep and corrosion of amalgam. Mahler DB, et al. **J Dent Res** 1982 Jan;61(1):33-5

Properties of Ag-Cu-Pd dispersed phase amalgams: microstructures. Marshall GW Jr, et al. **J Dent Res** 1982 Jun;61(6):802-4

Metals in solution in mercury expressed from copper-rich dental amalgams. Paffenbarger GC, et al. **J Dent Res** 1982 Jan;61(1):30-2

Copper-free amalgams: dimensional change after approximately five years at 60, 37, and 23 degrees C. Paffenbarger GC, et al. **J Dent Res** 1982 Jun;61(6):811-3

Studies on the manipulative factors that have important effects on the tensile strength of amalgam. Ohashi M. **J Nihon Univ Sch Dent** 1981 Sep;23(3):111-20

Experimental microleakage around ageing dental amalgam restorations: a review. Jodaikin A. **J Oral Rehabil** 1981 Nov;8(6):517-26 (41 ref.)

Clinical evaluation of high copper amalgam restorations. Rydinge E, et al. **J Oral Rehabil** 1981 Nov;8(6):455-72

On the early-stage diametral tensile strength of dental amalgam. Vrijhoef MM, et al. **J Oral Rehabil** 1981 Sep; 8(5):389-90

Marginal fit and cervical extent of class II amalgam restorations related to periodontal condition. A clinical and roentgenological study of overhang elimination. Arneberg P, et al. **J Periodont Res** 1980 Nov;15(6):669-77

The amalgam-composite resin restoration. Anglis LF, et al. **J Prosthet Dent** 1982 Jun;47(6):685

Influence of proximal retention on the fracture strength of class II amalgam restorations. Mondelli J, et al. **J Prosthet Dent** 1981 Oct;46(4):420-4

Early and delayed finishing of amalgam with different polishing procedures. Nuckles DB, et al. **J Prosthet Dent** 1982 Jun;47(6):612-5

Fracture strength of molars containing three surface amalgam restorations. Re GJ, et al. **J Prosthet Dent** 1982 Feb; 47(2):185-7

Fracture resistance of lower molars with varying facioocclusolingual amalgam restorations. Re GJ, et al. **J Prosthet Dent** 1982 May;47(5):518-21

Standardized sequence for carving and finishing amalgam restorations. Solow RA. **J Prosthet Dent** 1981 Nov; 46(5):519-24

Orthograde sectional amalgam root filling--a simple technique. McDonald NJ. **NZ Dent J** 1981 Jul; 77(349):113-5

Corrosion of amalgams. Brune D. **Scand J Dent Res** 1981 Dec;89(6):506-14

Corrosion products of dental amalgam. Jensen SJ. **Scand J Dent Res** 1982 Jun;90(3):239-42

[Topography of the tooth-silver amalgam junction. Study of ion exchanges at the interface] Auther A, et al. **Actual Odontostomatol (Paris)** 1981;136:609-19 (Eng. Abstr.) **(Fre)**

[Amalgam filling before and after polishing: a scanning electron microscopic study] Gharevi N. **Dtsch Zahnarztl Z** 1981;36(12):845-53 (Eng. Abstr.) **(Ger)**

[Effect of rhodanide on the corrosion of non-gamma 2 amalgam and of a conventional amalgam] Kropp R, et al. **Dtsch Zahnarztl Z** 1982 Apr;37(4):344-7 (Eng. Abstr.) **(Ger)**

[Lateral tooth composite/amalgam replacement: status of development] Mühlemann HR, et al. **SSO Schweiz Monatsschr Zahnheilkd** 1981 Nov;91(11):941 **(Ger)**

[Solubility of metal components into tissue culture medium from dental amalgams (author's transl)] Kawahara H, et al. **Shika Rikogaku Zasshi** 1981 Oct;22(60):285-9 (Eng. Abstr.) **(Jpn)**

[Corrosion behavior of high copper amalgam (author's transl)] Onagawa J, et al. **Shika Rikogaku Zasshi** 1981 Apr; 22(59):157-61 (Eng. Abstr.) **(Jpn)**

[Device for the mechanical mixing of Gallodent-M filling material] Lankin VN, et al. **Stomatologiia (Mosk)** 1981 Sep-Oct;60(5):85-6 **(Rus)**

ADMINISTRATION & DOSAGE

[Amalgam superstructures in the area of the lateral teeth: a new method for an old problem] Wirz J. **SSO Schweiz Monatsschr Zahnheilkd** 1981 May; 91(5):368-86 (Eng. Abstr.) **(Ger)**

ADVERSE EFFECTS

Allergy to dental amalgam. Duxbury AJ, et al. **Br Dent J** 1982 May 18;152(10):344-6 (32 ref.)

[Residual caries as a cause of radiopaque zones beneath amalgam fillings] Pelkonen A, et al. **Proc Finn Dent Soc** 1981;77(6):350-5 (Eng. Abstr.) **(Fin)**

[Effect of different composites and amalgam on the gingiva] Samaha NS. **Dtsch Zahnarztl Z** 1982 Apr;37(4):339-43 **(Ger)**

ANALYSIS

Dental amalgams. Isenberg BP. **Ala J Med Sci** 1981 Oct; 18(4):406-9

Analysis of dental materials as an aid to identification in aircraft accidents. Wilson GS, et al. **Aviat Space Environ Med** 1982 Apr;53(4):326-31

Effect of age on the creep of a high-copper amalgam. Mahler DB, et al. **J Biomed Mater Res** 1981 Nov;15(6):829-33

The tooth-amalgam interaction. Sarkar NK, et al. **J Oral Rehabil** 1981 Sep;8(5):401-11

Quantitation of colorimetric reaction for determination of gamma 2 phase in dental amalgam. Bowles WH. **J Prosthet Dent** 1981 Jul;46(1):91-3

Modification of a simple method for determination of gamma-2 phase of dental amalgam. Bowles WH. **J Prosthet Dent** 1982 May;47(5):514-7

[The effects of granulometry and alloy structure on the quality of the formed amalgam] Lemaitre L, et al. **Rev Belge Med Dent** 1982 Jan;37(1):24-7 **(Dut)**

[Physical laboratory tests and the behavior in the mouth after 2 years of 6 amalgams with a high copper content] Vermeersch AG, et al. **Rev Belge Med Dent** 1981 Nov; 36(6):255-60 **(Fre)**

[Control of the clinical behavior of 4 amalgams using standardized macro- and microphotographic methods] Doglia R, et al. **SSO Schweiz Monatsschr Zahnheilkd** 1981 May;91(5):329-48 (Eng. Abstr.) **(Fre)**

[X-ray line analysis of the Asgar-Mahler reaction zone of an HCD amalgam] Herzog M, et al. **Dtsch Zahnarztl Z** 1982 Jun;37(6):526-30 (Eng. Abstr.) **(Ger)**

PHARMACODYNAMICS

[Amalgam polish] Boitel RH. **SSO Schweiz Monatsschr Zahnheilkd** 1982 Apr; 92(4):349-50 **(Ger)**

STANDARDS

Marginal fracture of amalgam restorations. A review. Bryant RW. **Aust Dent J** 1981 Aug;26(4):222-4 (24 ref.)

Copper-rich amalgams - qualities and characteristics. Kempler D. **Isr J Dent Med** 1981 Feb;28(4):28

A 30-month clinical evaluation of the influence of finishing and size of restoration on the margin performance of five amalgam alloys. Birtcil RF Jr, et al. **J Dent Res** 1981 Dec; 60(12):1949-56

THERAPEUTIC USE

Dental amalgams. Isenberg BP. **Ala J Med Sci** 1981 Oct; 18(4):406-9

TOXICITY

Toxicity tests on dental filling materials. Schmalz G, et al. **Int Dent J** 1981 Sep;31(3):185-92

[Correlation analyses between cell cultures and animal experiments] Schmalz G. **Dtsch Zahnarztl Z** 1982 Feb; 37(2):184-6 (Eng. Abstr.) **(Ger)**

DENTAL ARCH

Bite length measurements and tooth-to-arch relationships obtained from dental casts using an X, Y-digitiser and computer. Duguid R, et al. **J Forensic Sci Soc** 1981 Jul; 21(3):211-23

[The shortened dental arch - philosophy, examination and clinical application] Käyser AF. **Rev Belge Med Dent** 1982 May;37(3):96-101 (Eng. Abstr.) **(Dut)**

ANATOMY & HISTOLOGY

Occlusion and arch size in families. A principal components analysis. Harris EF, et al. **Angle Orthod** 1982 Apr; 52(2):135-43

A computer program for the analysis of dental arch form using the catenary curve. BeGole EA. **Comput Programs Biomed** 1981 Mar-Jun;13(1-2):93-9

Spontaneous changes in the mandibular arch following first premolar extractions. Berg R, et al. **Eur J Orthod** 1982 May;4(2):93-8

Dental arch analysis: arch form. A review of the literature. Rudge SJ. **Eur J Orthod** 1981;3(4):279-84 (33 ref.)

Changes in the dental arches of adults with unoperated clefts. Sidhu SS, et al. **Eur J Orthod** 1982 May;4(2):139-43

The diagnosis of incipient arch crowding in children. McKeown M. **NZ Dent J** 1981 Jul;77(349):93-6

[Measurements of the dental arch in complete dentures] Kovács DG. **Fogorv Sz** 1981 Jul;74(7):208-12 (Eng. Abstr.) **(Hun)**

GROWTH & DEVELOPMENT

Facial growth and arch symmetry in the surgical prosthetic treatment of cleft lip and palate. Hagerty RF, et al. **Plast Reconstr Surg** 1981 Nov;68(5):682-8

SURGERY

[Recurrence in dentofacial orthodontics] de Biourge A. **Rev Belge Med Dent** 1981 Sep;36(5):198-203 **(Fre)**

DENTAL ARTICULATORS see under **DENTAL EQUIPMENT**

DENTAL ASSISTANTS

Effect of oral hygiene instructions given by paraprofessional personnel. Hetland L, et al.
Community Dent Oral Epidemiol 1982 Feb;10(1):8–14

What is an operating auxiliary? Legal status, training and utilization. Furstman EF. **Int Dent J** 1981 Sep;31(3):226–31

An assessment of dental students as dental assistants. Molvar MP. **J Dent Educ** 1982 Sep;46(9):563–4

The dental assistant – a viewpoint. Brown J.
NY State Dent J 1982 Mar;48(3):158

[Dental assistants and dental surgeons: is a dialogue between the professionals necessary?] Malherbe G.
SSO Schweiz Monatsschr Zahnheilkd 1981 Sep;91 Spec No:730–3 **(Fre)**

[Hepatitis in dentists and dental assistants in Munich] Marshall M, et al. **Dtsch Zahnarztl Z** 1981 Aug;36(8):488–92 (Eng. Abstr.) **(Ger)**

[Hepatitis B virus hazard of dentists and dental assistants] Scheiermann N, et al. **Dtsch Zahnarztl Z** 1981 Oct; 36(10):614–8 (Eng. Abstr.) **(Ger)**

[The extension of the dental assistant into the field of prevention: the papilla bleeding index, an aid in the explanation of prevention] Ehrensperger S.
SSO Schweiz Monatsschr Zahnheilkd 1981 Sep;91 Spec No:738–42 **(Ger)**

[Tips and tricks: ergonomy for the modern dental assistant] Lombard F. **SSO Schweiz Monatsschr Zahnheilkd** 1981 Sep; 91 Spec No:749–54 **(Ger)**

EDUCATION

Educational entry standards for dental surgery assistants. Erridge PL. **Br Dent J** 1982 Apr 20;152(8):289–90

SUPPLY & DISTRIBUTION

The regional distribution of dentists in Scotland. Gray AM. **Health Bull (Edinb)** 1981 Nov;39(6):344–50

DENTAL AUXILIARIES

Toward better dental health [letter] **Br Dent J** 1981 Nov 3;151(9):282–3

Towards better dental health [letter] **Br Dent J** 1981 Dec 1;151(11):360–1

Illegal dental practice [letter] Holmes AB. **Br Dent J** 1981 Dec 1;151(11):362

The denturist movement in Canada. Part I: Growth and development in the western provinces. MacEntee MI.
Can Dent Assoc J 1981 Aug;47(8):521–4

The denturist movement. Part II: acceptance in Eastern Canada. MacEntee MI. **Can Dent Assoc J** 1981 Aug; 47(8):525–7

The denturist movement in Canada. Part III: Current status and potential. MacEntee MI. **Can Dent Assoc J** 1981 Aug; 47(8):528–33

Expanded duty auxiliary--a threat or a benefit. Rosen H. **J Am Coll Dent** 1981 Fall;48(3):156–66

Auxiliary turnover in 13 dental offices. Bader JD.
J Am Dent Assoc 1982 Mar;104(3):307–12

The denturism initiative. Flanders RA. **Public Health Rep** 1981 Sep–Oct;96(5):410–7

[Prophylaxis by laymen or delegated personnel in dental health? Experiences in Sweden] Landt.
Dtsch Zahnarztl Z 1981 May;36(5):334–6 **(Ger)**

LEGISLATION & JURISPRUDENCE

The illegal delegation of duties to dental auxiliaries. Waldman HB. **J Am Coll Dent** 1981 Winter;48(4):246–64

SUPPLY & DISTRIBUTION

The dental workforce 1981: a position statement to members. Wall CH, et al. **Aust Dent J** 1981 Oct;26(5):351–9

DENTAL BRIDGEWORK see **DENTURE, PARTIAL**

DENTAL CALCULUS

ANALYSIS

Zn concentration of human subgingival calculus related to F, Mg and Cu contents. Knuuttila M, et al.
Scand J Dent Res 1981 Oct;89(5):412–6

ETIOLOGY

[Effect of the occupational factor on the formation of dental calculus] Mamedov OR, et al. **Stomatologiia (Mosk)** 1982 Jan–Feb;61(1):31–3 (Eng. Abstr.) **(Rus)**

PATHOLOGY

Observations of the surface of dental calculus using scanning electron microscopy. Shirato M, et al.
J Nihon Univ Sch Dent 1981 Dec;23(4):179–87

PREVENTION & CONTROL

Long-term antiplaque, anticalculus, and antigingivitis effects of benzethonium/polymer complex in beagle dogs. Gaffar A, et al. **J Dent Res** 1981 Nov;60(11):1897–1903

DENTAL CARE

see related
COMPREHENSIVE DENTAL CARE

Oral status and acceptance of dental services among some elderly persons in Oslo. Fløystrand F, et al.
Acta Odontol Scand 1982;40(1):1–8

Factors related to utilization of dental services by the elderly. Evashwick C, et al. **Am J Public Health** 1982 Oct; 72(10):1129–35

A model for dental workload measurement. Parker WA, et al. **Am J Public Health** 1982 Sep;72(9):1022–7

Taking impressions in South–east Asia. Dewhurst CE.
Br Dent J 1982 Feb 2;152(3):97–9

An evaluation of nitrous oxide in the dental treatment of anxious children. A physiological and clinical study. Major E, et al. **Br Dent J** 1981 Sep 15;151(6):186–91

Operation dental care. The United Kingdom volunteer dental clinic in Ashkelon, Israel. Sillers BR, et al. **Br Dent J** 1982 Jan 19;152(2):57–8

Effects of fluoride and regular dental care on personal dental expenditures of young adults in Finland. Alvesalo I, et al. **Community Dent Oral Epidemiol** 1982 Feb;10(1):15–22

Effect of oral hygiene instruction and professional toothcleaning on caries and gingivitis in schoolchildren. Axelsson P, et al. **Community Dent Oral Epidemiol** 1981 Dec;9(6):251–5

Caries in permanent dentition and social class of children participating in public dental care in fluoridated and nonfluoridated areas. Hausen H, et al.
Community Dent Oral Epidemiol 1981 Dec;9(6):289–91

Caries in 3–5 years–old, Finnish children participating in public dental car during 1975–79. Milen A, et al.
Community Dent Oral Epidemiol 1981 Dec;9(6):270–4

Caries of primary teeth and regularity of dental check–ups. Milen A, et al. **Community Dent Oral Epidemiol** 1981 Dec; 9(6):266–9

Contrasting patterns of caries profile and dental treatment in pupils of 16–18 years in South African ethnic groups. Walker AR, et al. **Community Dent Oral Epidemiol** 1982 Apr;10(2):69–73

Symposium on medical emergencies in the dental office.
Dent Clin North Am 1982 Jan;26(1):1–211

Allergy–related emergencies in dental practice. Stroh JE Jr, et al. **Dent Clin North Am** 1982 Jan;26(1):87–98

The regional distribution of dentists in Scotland. Gray AM. **Health Bull (Edinb)** 1981 Nov;39(6):344–50

Optimizing the dental delivery system. Bailit HL.
Int Dent J 1982 Mar;32(1):65–73 (14 ref.)

Prevention and the demand for dental care in an international perspective. Schicke RK. **Int Dent J** 1981 Dec;31(4):320–7

Marketing: delivering quality dental care to the public. Lynn RP. **Int J Orthod** 1981 Dec;19(4):19–24

Expanded duty auxiliary--a threat or a benefit. Rosen H. **J Am Coll Dent** 1981 Fall;48(3):156–66

Be a wise dental consumer. **J Am Dent Assoc** 1982;Spec No:43C–5C

Quality assurance: five experts examine the issues [interview] **J Am Dent Assoc** 1982 May;104(5):608–17

Patient noncompliance: a neglected topic in dentistry. Brown JC. **J Am Dent Assoc** 1981 Oct;103(4):567–9

Dental health needs of children and adolescents. Sinkford JC. **J Am Dent Assoc** 1981 Dec;103(6):901–5

Swedish dental health care [letter] Smith C.
J Am Dent Assoc 1981 Oct;103(4):546

Assessment of the medical status of Asian immigrant children undergoing dental care. Bedi R, et al. **J Dent** 1982 Jun; 10(2):144–8

The effect of six–monthly visits to the dentist on dental treatment needs. Swallow JN, et al. **J Dent** 1981 Sep; 9(3):254–9

The provision of dental care for the elderly person. Wickens J. **J Dent** 1982 Mar;10(1):44–54 (26 ref.)

Emergency dental care in dental education. Ferraro EF, et al. **J Dent Educ** 1982 Aug;46(8):504–5

Effect of intravenous hyperalimentation and oral care on the development of oral stomatitis during cancer chemotherapy. Hickey AJ, et al. **J Prosthet Dent** 1982 Feb; 47(2):188–93

Utilization of a Management consulting approach to improve the dental planning and implementation process of an HSA. Kaplis NA, et al. **J Public Health Dent** 1981 Fall; 41(4):260–7

Dental licensure: a political perspective. Klopman TJ.
NY State Dent J 1982 May;48(5):302–6

The biodontics of informed consent. Raucher F, et al.
NY State Dent J 1981 Nov;47(9):533

Bacterial endocarditis. A retrospective study of cases admitted to the University of Alabama Hospitals from 1969 to 1979. Thornton JB, et al. **Oral Surg** 1981 Oct; 52(4):379–83

Considerations in the dental management of the adolescent. Casamassimo PS, et al. **Pediatr Clin North Am** 1982 Jun; 29(3):531–51

Culture, inequality and the pattern of dental care in New Zealand. Davis P. **Soc Sci Med [a]** 1981 Dec;15A(6):801–5 (22 ref.)

Orthodontic care in the Swedish Public Dental Service, county of Västerbotten. Bernhold M, et al.
Swed Dent J 1981;5(3):105–13

[Care of the oral cavity in irradiated patients (author's transl)] Konečný M. **Cesk Radiol** 1981;35(6):403–7 (Eng. Abstr.) **(Cze)**

[Inhalation sedation in dentistry] Makkes PC, et al. **Ned Tijdschr Geneeskd** 1981 Oct 17;125(42):1702–5 (Eng. Abstr.) **(Dut)**

[Requests of the patient in dentistry] Belair JP.
Rev Odontostomatol (Paris) 1981 May–Jun;10(3):217–21 **(Fre)**

[9th Annual Meeting of the German Society for Dental Care and the Ergonomics Corporation, Braunschweig 1981] **Dtsch Zahnarztl Z** 1982 May;37(5):397–468 **(Ger)**

[Dental and oral changes in diabetic pregnant women under regular dental care] Albrecht M, et al. **Fogorv Sz** 1981; 74(5):131–6 (Eng. Abstr.) **(Hun)**

[Need for dental care in retirees and in recipients of social assistance in the country of Hordaland] Fonneløp E.
Nor Tannlaegeforen Tid 1981 Oct;91(13):467–73 **(Nor)**

[Evaluation of the dental care for pregnant women based on a study of the health status of the masticatory apparatus and on the health education level of parturients] Madej K. **Ann Acad Med Stetin** 1981;27:373–90 (Eng. Abstr.) **(Pol)**

[Prosthodontic dispensary care of agricultural workers] Liubenko OG. **Stomatologiia (Mosk)** 1981;60(4):68–70 **(Rus)**

ADVERSE EFFECTS

Infective endocarditis as a complication of dental treatment. Cawson RA. **Br Dent J** 1981 Dec 15;151(12):409–14 (52 ref.)

ECONOMICS

Effect of fluoridation on the cost of dental treatment among urban Scottish schoolchildren. Downer MC, et al.
Community Dent Oral Epidemiol 1981 Jun;9(3):112–6

Consumer choice between dental delivery systems. Strevel DW. **J Am Dent Assoc** 1982 Feb;104(2):157–63

Procompetition. Evans BE. **NY J Dent** 1982 Apr; 52(4):108–10

Economic factors and dental health: implications for dental health policy. Sheiham A. **NZ Dent J** 1981 Oct; 77(350):138–40

LEGISLATION & JURISPRUDENCE

Illegal dental practice [letter] Hurley PJ. **Br Dent J** 1982 Feb 2;152(3):75

Legal aspects of emergency dental care. Holzapfel GS.
Dent Clin North Am 1982 Jan;26(1):187–95

Drug liability in dental litigation. Ower AP.
Dent Clin North Am 1982 Apr;26(2):307–16

The illegal delegation of duties to dental auxiliaries. Waldman HB. **J Am Coll Dent** 1981 Winter;48(4):246–64

Procompetition: the congressional view [interview] Durenberger D, et al. **J Am Dent Assoc** 1982 Jun; 104(6):820–6

METHODS

Treating dental patients susceptible to endocarditis. Weidman B, et al. **Ann Dent** 1981 Winter;40(2):38–41

The medical history. Romriell GE, et al.
Dent Clin North Am 1982 Jan;26(1):3–11

Code on dental procedures and nomenclature. Council on Dental Care Programs. **J Am Dent Assoc** 1982 Mar; 104(3):351–6

When you need a specialist's help. **J Am Dent Assoc** 1982; Spec No:30C–4C

Primary care practice patterns. Loupe MJ, et al.
J Dent Educ 1982 Apr;46(4):205–11

Public policy options for better dental health. Rice DP, et al. **J Dent Educ** 1981 Nov;45(11):746–51

Dental help for migrants. Oster C. **NY State Dent J** 1981 Nov;47(9):538, 541

[Drug preparation of children for dental procedures] Smoliar NI, et al. **Stomatologiia (Mosk)** 1981 Nov–Dec;60(6):24–5 (Eng. Abstr.) **(Rus)**

ORGANIZATION & ADMINISTRATION

[Dental care for the rural population of the Kazakh SSR] Mirzabekov OM, et al. **Stomatologiia (Mosk)** 1981 Sep–Oct; 60(5):80–2 **(Rus)**

PSYCHOLOGY

Dental fear in a chronic schizophrenic: a case report. Yamauchi KT. **Am J Clin Hypn** 1981 Oct;24(2):128–31

Assessment of children's anxiety throughout dental treatment by their drawings. Sheskin RB, et al.
ASDC J Dent Child 1982 Mar–Apr;49(2):99–106

N2O in the dental treatment of anxious children [letter] McCloskey O. **Br Dent J** 1981 Oct 20;151(8):243

Fear of dentistry. Wardle J. **Br J Med Psychol** 1982 Jun;55(Pt 2):119–26

Public image of dentists and dental visits in Finland. Murtomaa H, et al. **Community Dent Oral Epidemiol** 1982 Jun;10(3):133–6

Anxiety: its management during the treatment of the adolescent dental patient. Donaldson D. **Int Dent J** 1982 Mar;32(1):44–55 (25 ref.)

Dental patients: motivation, resistance and cooperation. Lowental U. **Isr J Dent Med** 1981 Feb;28(4):17–9

Adult anxiety [letter] **J Am Dent Assoc** 1982 Apr;104(4):432

Psychological aspects of dental anxiety in adults. Scott DS,

et al. **J Am Dent Assoc** 1982 Jan;104(1):27–31
Voluntary heart rate control and perceived affect. Oliver C, et al. **J Dent Res** 1982 Jan;61(1):8–10
Training children to cope with dental treatment. Nocella J, et al. **J Pediatr Psychol** 1982 Jun;7(2):175–8
Measuring patient satisfaction with dental care. Davies AR, et al. **Soc Sci Med** [a] 1981 Dec;15A(6):751–60
[Difficulties of the dental surgeon in the face of anguish and fear in the child] Belair MA.
Rev Odontostomatol (Paris) 1981 May–Jun;10(3):247–52 **(Fre)**
[Psychological importance of the therapeutic act] Galinie A. **Rev Odontostomatol (Paris)** 1981 May–Jun;10(3):233–8 **(Fre)**
[Dentist–patient relations: the psychological process in dentistry] Savary JP.
SSO Schweiz Monatsschr Zahnheilkd 1981 Dec; 91(12):1045–60 (Eng. Abstr.) **(Fre)**
[Monitoring of psychophysiological parameters in dentistry. Initial experiences] Rossetti B, et al. **Minerva Stomatol** 1981 Sep–Oct;30(5):421–4 (Eng. Abstr.) **(Ita)**
[Characteristics of the psychoemotional state of children undergoing dental treatment] Solov'ev MM, et al.
Stomatologiia (Mosk) 1982 Jan–Feb;61(1):77–82 (Eng. Abstr.) **(Rus)**

UTILIZATION

Fear of dentists as an inhibiting factor in children's use of dental services. Kleiman MB. **ASDC J Dent Child** 1982 May–Jun;49(3):209–13
Age differences in oral health attitudes and dental service utilization. Kiyak HA, et al. **J Public Health Dent** 1982 Winter;42(1):29–41

DENTAL CARE FOR HANDICAPPED

A mobile dental clinic for the disabled. **Br Dent J** 1981 Oct 20;151(8):262
Dental care for the handicapped—an international concern. Franks AS. **Br Dent J** 1981 Oct 20;151(8):270
Dental care for the handicapped. Pool D. **Br Dent J** 1981 Oct 20;151(8):267–70
The British Society of Dentistry for the Handicapped. Rule DC. **Br Dent J** 1981 Oct 20;151(8):264
Radiation therapy of the oral cavity: sequelae and management, part 2. Beumer J 3d, et al.
Head Neck Surg 1979 May–Jun;1(5):392–408 (43 ref.)
Kawasaki's disease. Taylor MH, et al. **J Am Dent Assoc** 1982 Jan;104(1):44–7 (31 ref.)

METHODS

Clinical investigation of relative indifference to pain among adolescent mental retardates [letter] Casamassimo PS.
ASDC J Dent Child 1981 Nov–Dec;48(6):468–71
Haemorrhage and pain control in conservative dentistry for haemophiliacs. Geffner I, et al. **Br Dent J** 1981 Oct 20; 151(8):256–8 (4 ref.)
Dental care of children with haemophilia and related conditions. Hobson P. **Br Dent J** 1981 Oct 20;151(8):249–53
Dental care of children with haemophilia and related conditions [letter] Hobson P, et al. **Br Dent J** 1982 Apr 20;152(8):262
Dental care of children with haemophilia and related conditions [letter] Jones P, et al. **Br Dent J** 1982 Feb 16; 152(4):112
Death following dental clearance in a patient suffering from ankylosing spondylitis – a case report with discussion on management of such problems. Hill CM.
Br J Oral Surg 1980 Jun;18(1):73–6
Dental management of the medically disabled adult. Fischman SL. **Can Dent Assoc J** 1981 Oct;47(10):643–8
Dental management of patients with mental retardation and related developmental disorders. Kamen S.
Can Dent Assoc J 1981 Oct;47(10):663–6 (10 ref.)
Plaque control in the handicapped: the treatment of specific plaque infections. Loesche WJ. **Can Dent Assoc J** 1981 Oct;47(10):649–56
Dental considerations for patients on chronic dialysis and renal transplant recipients. Precious DS, et al.
Can Dent Assoc J 1981 Sep;47(9):595–9 (16 ref.)
Normalization of dental care for handicapped patients in a medium-sized Canadian city: a team approach. Richardson BA, et al. **Can Dent Assoc J** 1982 Jun;48(6):395–400
Delivery of dental care to the disabled. Stiefel DJ.
Can Dent Assoc J 1981 Oct;47(10):657–62
Clinical considerations in dental patients with convulsive disorders. Grisham PL. **Dent Clin North Am** 1982 Jan; 26(1):123–7
Dentistry and the diabetic patient. Ryan DE, et al.
Dent Clin North Am 1982 Jan;26(1):105–18
Dental care for severely handicapped children. Ohmori I, et al. **Int Dent J** 1981 Sep;31(3):177–84
Your handicapped child's health. **J Am Dent Assoc** 1982;Spec No:27C–9C
Dental treatment and management of a patient with a prosthetic heart valve. Baumgartner JC, et al.
J Am Dent Assoc 1982 Feb;104(2):181–4
Management of the asthmatic patient undergoing dental surgery. Geist ET, et al. **J Am Dent Assoc** 1982 Jul; 105(1):65–9 (21 ref.)
The dental management of patients with vascular grafts placed in the treatment of arterial occlusive disease. Lindemann RA, et al. **J Am Dent Assoc** 1982 May; 104(5):625–8 (30 ref.)
Dental management of the child undergoing bone marrow transplantation. Rakocz M, et al. **J Am Dent Assoc** 1982 Apr;104(4):485–8 (27 ref.)
Dental care for patients with renal failure and renal transplants. Sowell SB. **J Am Dent Assoc** 1982 Feb; 104(2):171–7 (39 ref.)
Dental extractions in patients with acute nonlymphocytic leukemia. Overholser CD, et al. **J Oral Maxillofac Surg** 1982 May;40(5):296–8
Considerations in the dental treatment of patients with multiple sclerosis. Cnossen MW. **J Oral Med** 1982 Apr–Jun; 37(2):62–4
Congenital hypoplastic anemia (Diamond–Blackfan syndrome). Sanger RG, et al. **J Oral Med** 1982 Jan–Mar; 37(1):8–13
Paget's disease of bone with particular reference to dentistry. Smith BJ, et al. **J Oral Pathol** 1981 Aug;10(4):233–47 (123 ref.)
Positioning wheelchair patients for dental treatment. Napierski GE. **J Prosthet Dent** 1982 Feb;47(2):217–8
Precautions in the dental treatment of dialysis patients. Wasserman BS, et al. **NY State Dent J** 1981 Nov; 47(9):577–8
Dental treatment considerations for the medically compromised child. Cooley RO, et al.
Pediatr Clin North Am 1982 Jun;29(3):613–29
The use of xylitol in the control of oral hygiene in mentally retarded children. A clinical and biochemical study. Pakkala U, et al. **Proc Finn Dent Soc** 1981;77(5):271–7
[Orodental care of the home-bound patient. Needs, means, limits and methods in a temporary or permanent framework] Seimbille P. **Rev Odontostomatol (Paris)** 1982 Mar–Apr;11(2):145–53 **(Fre)**
[Experiences with general anesthesia in dental care of cerebral palsy children – attempt at a critical evaluation from the anesthesiologic point of view] Kleemann PP, et al. **Dtsch Zahnarztl Z** 1981 Jun;36(6):372–5 (Eng. Abstr.) **(Ger)**

ORGANIZATION & ADMINISTRATION

A dental service for handicapped children. Melville MR, et al. **Br Dent J** 1981 Oct 20;151(8):259–61

PSYCHOLOGY

Dental care of the medically compromised child: a behavioral overview. Smith LB. **Can Dent Assoc J** 1981 Oct; 47(10):667–72
Assessing dental health problems of children with developmental disabilities. Entwistle BA, et al. **JDBP** 1981 Sep;2(3):115–21

DENTAL CARE PLANS see **INSURANCE, DENTAL**

DENTAL CARIES

see related
CARIOGENIC AGENTS
CARIOSTATIC AGENTS
DIET, CARIOGENIC

Retail dentistry in the United States. Quam HM.
Br Dent J 1981 Nov 3;151(9):307
Why covariance analysis should replace increment analysis of variance in caries studies. Slakter MJ, et al.
Community Dent Oral Epidemiol 1981 Dec;9(6):292–3
Caries research in the 1980's. Krasse B.
Pharmacol Ther Dent 1981;6(3–4):57–64 (18 ref.)
Abstracts of papers presented at the 28th ORCA Congress (Organization for Caries Research), 2 to 4 July, 1981, Erfurt, German Democratic Republic.
Zahn Mund Kieferheilkd 1981;69(8):725–49

CHEMICALLY INDUCED

Effect on fluoride uptake by enamel and on the progress of artificially produced caries-like lesions of applying successively two different fluoride solutions.
Joyston-Bechal S, et al. **Caries Res** 1982;16(1):34–41
Artificial lesion formation and fluoride uptake after TiF4 applications. Wefel JS. **Caries Res** 1982;16(1):26–33
Dental caries potential of liquid medications. Feigal RJ, et al. **Pediatrics** 1981 Sep;68(3):416–9
[A teething agent as the cause of severe dental caries in small children] Guggenheim B, et al.
SSO Schweiz Monatsschr Zahnheilkd 1982 Jan;92(1):41 **(Ger)**
[Antidepressive agents can cause dental damages in children and adults] van Dijken J, et al. **Lakartidningen** 1981 Nov 25;78(48):4366–8 **(Swe)**

COMPLICATIONS

Nasal septal abscess of dental origin. da Silva M, et al.
Arch Otolaryngol 1982 Jun;108(6):380–1
[Caries and orthodontic problems at the age of 6 in our region] Limme M, et al. **Rev Belge Med Dent** 1982 Jan; 37(1):20–3 **(Fre)**
[Mesiodistal tooth movement of the lateral teeth during the inlay therapy of proximal lesions] Dietz G.
Dtsch Zahnarztl Z 1981 Apr;36(4):258–9 **(Ger)**
[Interrelationship of dental caries and maxillodental deformities] Kuznetsov PA, et al. **Stomatologiia (Mosk)** 1981 Sep–Oct;60(5):58–9 (Eng. Abstr.) **(Rus)**

DIAGNOSIS

The diagnosis of fissure-caries in permanent molar teeth. Dooland M, et al. **ASDC J Dent Child** 1982 May–Jun; 49(3):181–5
The fate of first permanent molars recorded as 'doubtfully carious' at a school dental clinic. Dooland M.
Aust Dent J 1982 Apr;27(2):117–8
Patients' view of dental diagnosis [letter] Allan DN.
Br Dent J 1982 Jun 1;152(11):371–2
Salivary lactobacillus counts in the prediction of caries activity. Crossner CG. **Community Dent Oral Epidemiol** 1981 Aug;9(4):182–90
Identification of high-caries-risk children. de Liefde B.
NZ Dent J 1982 Apr;78(352):38–41
Early detection of enamel caries by the luminescence excited by visible laser light. Bjelkhagen H, et al. **Swed Dent J** 1982;6(1):1–7
[Method of evaluating caries in the molars of white rats] Stanković D. **Med Pregl** 1980;33(11–12):499–503 (Eng. Abstr.) **(Scr)**

DRUG THERAPY

[Radiographic follow-up of primary molars following sclerosing amputation] Boeve CM, et al.
Rev Belge Med Dent 1982 Jan;37(1):9–15 (Eng. Abstr.) **(Dut)**
[Effects of zinc and vitamin B 6 in experimental caries in rats] Rapisarda E, et al. **Minerva Stomatol** 1981 Jul–Aug; 30(4):317–20 (Eng. Abstr.) **(Ita)**
[Vitamin E and experimental caries in rats fed a cariogenic diet and zinc] Rapisarda E, et al. **Minerva Stomatol** 1981 Jul–Aug;30(4):313–6 (Eng. Abstr.) **(Ita)**
[Remineralizing therapy of initial caries and the intravital solubility of dental enamel] Leont'ev VK, et al.
Stomatologiia (Mosk) 1981 Sep–Oct;60(5):23–6 (Eng. Abstr.) **(Rus)**

ECONOMICS

Effect of fluoridation on the cost of dental treatment among urban Scottish schoolchildren. Downer MC, et al.
Community Dent Oral Epidemiol 1981 Jun;9(3):112–6
[Economic effectiveness of dental caries prevention with fluorine preparations] Pashaev KP. **Stomatologiia (Mosk)** 1982 Jan–Feb;61(1):82–3 (Eng. Abstr.) **(Rus)**

ETIOLOGY

Sweets, snacks, and dental caries: South African interracial patterns [letter] Hackett AF, et al. **Am J Clin Nutr** 1982 Jun;35(6):1503–5
Educating patients about sugar [editorial] Watson WG.
Am J Orthod 1981 Sep;80(3):332–3
Salivary secretion and dental caries experience in drug addicts. Di Cugno F, et al. **Arch Oral Biol** 1981;26(5):363–7
The relative cariogenicity of different streptococci in the gnotobiotic WAG/RIJ rat. Drucker DB, et al.
Arch Oral Biol 1981;26(7):599–606
Comparative cariogenicity of oral streptococci in different strains of gnotobiotic rats. Drucker DB, et al.
Arch Oral Biol 1981;26(7):625–7
Influence of dietary disaccharides on mouth microorganisms and experimental dental caries in rats. Schemmel RA, et al. **Arch Oral Biol** 1982;27(6):435–41
Chronic vomiting and the effect on the primary dentition: report of case. Gallo LG, et al. **ASDC J Dent Child** 1981 Sep–Oct;48(5):382–4
Infant feeding practices and nursing bottle caries. Richardson BD, et al. **ASDC J Dent Child** 1981 Nov–Dec;48(6):423–9
Bottle caries – an increasing problem [letter] Allen KR, et al. **Aust Dent J** 1981 Dec;26(6):403–4
Scientific basis for the prevention of dental caries [editorial] Harris R. **Aust Dent J** 1982 Apr;27(2):129–31
Is there a change in the carious process? [letter] Stean HS.
Br Dent J 1982 May 4;152(9):301
The dental status of a group of diabetic children [letter] Valentine AD. **Br Dent J** 1982 Jan 5;152(1):3
Nursing bottle syndrome; prevalence and etiology in a non-fluoridated city. Derkson GD, et al.
Can Dent Assoc J 1982 Jun;48(6):389–93
The influence of manganese on carbohydrate metabolism and caries induction by Streptococcus mutans strain Ingbritt. Beighton D. **Caries Res** 1982;16(2):189–92
Interview or questionnaire? A comparison based on the relationship between caries and dietary habits in preschoolchildren. Schröder U, et al.
Community Dent Oral Epidemiol 1981 Apr;9(2):79–82
Liquid medicines can rot sick children's teeth.
Drug Ther Bull 1981 Sep 11;19(19):75–6
Research on dental caries—the 1970's and beyond. Carlos JP. **Dtsch Zahnarztl Z** 1982 Jan;37(1):56–63 (20 ref.)
Aetiology and prevention of dental caries and periodontal diseases. Edited report of an FDI/WHO Scientific Workshop, Erfurt 1980. **Int Dent J** 1982 Mar;32(1):78–88
Sucrose in the dynamics of the carious process. Newbrun E. **Int Dent J** 1982 Mar;32(1):13–23 (70 ref.)
The sugar-caries axis. Sreebny LM. **Int Dent J** 1982 Mar; 32(1):1–12 (96 ref.)

Radiation caries [letter] Berman CL, et al. **J Am Dent Assoc** 1982 Jun;104(6):814–6
Anorexia nervosa: review including oral and dental manifestations. Stege P, et al. **J Am Dent Assoc** 1982 May; 104(5):648–52
Hazards of the baby bottle [letter] Trask PA. **J Am Dent Assoc** 1982 Jan;104(1):13
Prediction of root surface caries in patients treated for advanced periodontal disease. Ravald N, et al. **J Clin Periodontol** 1981 Oct;8(5):400–14
Dental caries and children's weights. Miller J, et al. **J Epidemiol Community Health** 1982 Mar;36(1):49–52
Effect of suboptimal zinc nutrition during gestation and lactation on rat molar tooth composition and dental caries. Cerklewski FL. **J Nutr** 1981 Oct;111(10):1780–3
Development of rampant dental caries, and composition of plaque fluid and saliva in irradiated primates. Edgar WM, et al. **J Oral Pathol** 1981 Aug;10(4):284–95
The relationship between dietary factors and dental caries. Watson ML. **J Sch Health** 1982 Jan;52(1):39–41
The cariogenicity of experimental biscuits containing wheatgerm and rolled oats, and the effect of supplementation with milk powder. Thomson ME, et al. **NZ Dent J** 1982 Jan;78(351):3–6
Sugar and dental caries: a review of human studies. Newbrun E. **Science** 1982 Jul 30;217(4558):418–23 (53 ref.)
Taste thresholds, preferences for sweet taste and dental caries in 15-year-old children. A pilot study. Nilsson B, et al. **Swed Dent J** 1982;6(1):21–7
[Residual caries as a cause of radiopaque zones beneath amalgam fillings] Pelkonen A, et al. **Proc Finn Dent Soc** 1981;77(6):350–5 (Eng. Abstr.) **(Fin)**
[Cariogenic properties of saccharose and lactose with substitutes] Gehring F, et al. **Dtsch Zahnarztl Z** 1981 Aug; 36(8):525–8 (Eng. Abstr.) **(Ger)**
[In vitro studies of radiogenic caries in human dental enamel] Vogel C, et al. **Dtsch Zahnarztl Z** 1981 May;36(5):314–6 (Eng. Abstr.) **(Ger)**
[Animal experiment studies of the question of radiogenic caries] Vogel C, et al. **Dtsch Zahnarztl Z** 1982 Feb; 37(2):187–90 (Eng. Abstr.) **(Ger)**
['Sweet tea caries': a new form of deciduous tooth caries in small children] Wetzel WE. **Dtsch Zahnarztl Z** 1981 May;36(5):330–2 (Eng. Abstr.) **(Ger)**
[Fermentable carbohydrates in teething preparations as a cause of caries in small children] Guggenheim B, et al. **Schweiz Med Wochenschr** 1982 Feb 13;112(7):232–4 (Eng. Abstr.) **(Ger)**
[Enamel caries: is it curable? (a review of the literature)] Nair PN, et al. **SSO Schweiz Monatsschr Zahnheilkd** 1981 Sep;91(9):633–48 (205 ref.) (Eng. Abstr.) **(Ger)**
[Role of the dentist in the treatment of the patient undergoing cervicofacial radiotherapy. Radiation-induced caries] Capuano A, et al. **Minerva Stomatol** 1982 Jan–Feb; 31(1):67–70 (13 ref.) (Eng. Abstr.) **(Ita)**
[Surgery, dental care and infection in diabetic children (author's transl)] Meschi F, et al. **Pediatr Med Chir** 1981 Jan–Feb;3(1):23–5 **(Ita)**
[Ecological and etiological studies on streptococcus mutans (author's transl)] Hamada S. **Nippon Saikingaku Zasshi** 1981 May;36(3):557–64 (33 ref.) **(Jpn)**

FAMILIAL & GENETIC

Genetics and site attack in dental caries [letter] **Br Dent J** 1982 Jun 1;152(11):370
Genetics and site attack in dental caries. Comments on Jackson's theory. Sofaer JA. **Br Dent J** 1982 Apr 20; 152(8):267–73

HISTORY

The prevalence and distribution of dental caries in a Romano-British population. Whittaker DK, et al. **Arch Oral Biol** 1981;26(3):237–45

IMMUNOLOGY

Immunobiology of dental caries: microbial aspects and local immunity. McGhee JR, et al. **Annu Rev Microbiol** 1981; 35:595–638 (188 ref.)
Ultrastructural localization of immunoglobulins in carious human dentine. Ackermans F, et al. **Arch Oral Biol** 1981; 26(11):879–86
Immunodeficiency disease and dental caries in man. Legler DW, et al. **Arch Oral Biol** 1981;26(11):905–10
Immunization with purified protein antigens from Streptococcus mutans against dental caries in rhesus monkeys. Lehner T, et al. **Infect Immun** 1981 Nov; 34(2):407–15
Ultrastructural location of Streptococcus mutans and Streptococcus sanguis antigens in carious human dentine. Ackermans F, et al. **J Biol Buccale** 1981 Sep;9(3):203–17
Salivary anti-Streptococcus mutans changes over a six-month period in children ages two-five years. Everhart DL, et al. **J Dent Res** 1982 Feb;61(2):386–90

METABOLISM

Alternating demineralization and remineralization of artificial enamel lesions. ten Cate JM, et al. **Caries Res** 1982; 16(3):201–10
Saltvary protein polymorphisms in caries-free and caries-active adults. Anderson LC, et al. **J Dent Res** 1982 Feb;61(2):393–6
[Fluoride uptake of artificial initial carious lesions after treatment with different fluoride compounds] Klimek J. **Dtsch Zahnarztl Z** 1981 Aug;36(8):520–4 (Eng. Abstr.) **(Ger)**
[Calcium, phosphorus and fluorine content of the surface layer of the enamel in caries and similar dental lesions] Borovskii EV, et al. **Stomatologiia (Mosk)** 1982 May–Jun; 61(3):32–4 (Eng. Abstr.) **(Rus)**

MICROBIOLOGY

Glucan synthesis by the oral bacterium streptococcus mutans from caries-active and caries-free naval recruits. Shklair IL, et al. **Arch Oral Biol** 1981;26(8):683–6
Demineralisation of human enamel by Streptococcus mutans NCTC 10832 using a sequential batch culture technique. Dummer PM, et al. **Caries Res** 1982;16(2):193–6
In vivo relationships of the dextran-degrading oral microbiota to Streptococcus mutans and caries experience. Staat RH, et al. **Caries Res** 1982;16(1):18–25
Sucrose-induced ecological response of experimental dental plaques from caries-free and caries-susceptible Human volunteers. Minah GE, et al. **Infect Immun** 1981 Dec; 34(3):662–75
A microbiological analysis of human early carious and non-carious fissures. Meiers JC, et al. **J Dent Res** 1982 Mar;61(3):460–4
Oral flora of children with 'nursing bottle caries'. van Houte J, et al. **J Dent Res** 1982 Feb;61(2):382–5
Insoluble glucan synthesis by mutansucrase as a determinant of the cariogenicity of Streptococcus mutans. Wenham DG, et al. **J Gen Microbiol** 1981 Dec;127 (Pt 2):407–15
Pulp response to dental caries induced by Streptococcus mutans. Paterson RC, et al. **Oral Surg** 1982 Jan;53(1):88–92
[The association of Streptococcus mutans with human dental caries (author's transl)] Chan Y, et al. **Chung Hua Min Kuo Wei Sheng Wu Chi Mien I Hsueh Tsa Chih** 1981 Jun;14(2):96–101 (Eng. Abstr.) **(Chi)**
[Oral microbiology and the specificity of oral infections] de Graaff J. **Ned Tijdschr Geneeskd** 1982 Jun 19; 126(25):1143–8 **(Dut)**
[Tooth' non collagenous protein degradation by Streptococcus mutans (author's transl)] Waroux M, et al. **C R Seances Acad Sci [III]** 1982 Feb 15;294(7):313–8 (Eng. Abstr.) **(Fre)**

OCCURRENCE

Dental caries in the permanent teeth of the people of Gulbarga, Karnataka. Reddy VR. **Acta Anthropogenet** 1980;4(1–2):89–127
Dental caries in the deciduous teeth of the children from Gulbarga, Karnataka. Reddy VR. **Acta Anthropogenet** 1980;4(3–4):201–38
Caries prevalence and therapy in the deciduous dentition from 3 to 8 years. A longitudinal study. Varpio M. **Acta Odontol Scand** 1981;39(5):307–12
Limiting factors in the site distribution of dental caries. Jackson D, et al. **Aust Dent J** 1981 Oct;26(5):295–8
Busselton dental survey 1978. Medcalf GW. **Aust Dent J** 1981 Oct;26(5):304–8
The caries experience and dietary habits of Edinburgh nursery school children. Blinkhorn AS. **Br Dent J** 1982 Apr 6;152(7):227–30
Comparison of dental health of 11-year-old children in 1970 and 1979, and of 14-year-old children in 1973 and 1979: studies in Bristol, England. Andlaw RJ, et al. **Caries Res** 1982;16(3):257–64
Prevalence and intraoral distribution of root caries in an adult population. Katz RV, et al. **Caries Res** 1982;16(3):265–71
Prediction of mean caries experience of samples of the Australian population. Spencer AJ, et al. **Caries Res** 1982; 16(2):103–11
Prevalence of dental caries and demands for services among Israeli kibbutz youth. Anaise JZ, et al. **Community Dent Oral Epidemiol** 1982 Jun;10(3):161–2
Dental caries prevalence in schoolchildren of Baghdad province, Iraq. Baghdady VS, et al. **Community Dent Oral Epidemiol** 1982 Jun;10(3):148–51
Caries in permanent dentition and social class of children participating in public dental care in fluoridated and nonfluoridated areas. Hausen H, et al. **Community Dent Oral Epidemiol** 1981 Dec;9(6):289–91
Modification of occurrence of caries in children by toothbrushing and sugar exposure in fluoridated and nonfluoridated areas. Hausen H, et al. **Community Dent Oral Epidemiol** 1981 Jun;9(3):103–7
Fluoride exposure combinations and caries in permanent dentition among Finnish children. Hausen H, et al. **Community Dent Oral Epidemiol** 1981 Jun;9(3):108–11
Caries in primary dentition and social class in high and low fluoride areas. Hausen H, et al. **Community Dent Oral Epidemiol** 1982 Feb;10(1):33–6
'The rise and fall' of dental caries: some global aspects of dental caries epidemiology. Helöe LA, et al. **Community Dent Oral Epidemiol** 1981 Dec;9(6):294–9
Dental caries, gingival health and malocclusion in 12-year-old urban Black schoolchildren from Soweto, Johannesburg. Hirschowitz AS, et al. **Community Dent Oral Epidemiol** 1981 Apr;9(2):87–90
Detailed examination of caries progression in 4-year-old children in a non-fluoridated area in Ireland. Holland TJ, et al. **Community Dent Oral Epidemiol** 1982 Jun;10(3):144–7
Caries in 3–5 years-old, Finnish children participating in public dental car during 1975–79. Milen A, et al. **Community Dent Oral Epidemiol** 1981 Dec;9(6):270–4
Caries of primary teeth and regularity of dental check-ups. Milen A, et al. **Community Dent Oral Epidemiol** 1981 Dec; 9(6):266–9
Caries in pulmonary dentition related to age, sex, social status, and county of residence in Finland. Milen A, et al. **Community Dent Oral Epidemiol** 1981 Apr;9(2):83–6
Dental caries and sugar intake, during and between meals, in children of an Israeli Kibbutz. Sgan-Cohen HD, et al. **Community Dent Oral Epidemiol** 1982 Feb;10(1):52–3
Sugar availability, sugar consumption and dental caries. Sreebny LM. **Community Dent Oral Epidemiol** 1982 Feb; 10(1):1–7
How successful are surveys on the relationship between caries and sociocultural variables? Tijmstra T. **Community Dent Oral Epidemiol** 1981 Oct;9(5):230–5
Dental caries in 5-, 7-, 9- and 11-year-old schoolchildren during a 9-year dental health campaign in The Hague. Truin GJ, et al. **Community Dent Oral Epidemiol** 1981 Apr; 9(2):55–60
Contrasting patterns of caries profile and dental treatment in pupils of 16–18 years in South African ethnic groups. Walker AR, et al. **Community Dent Oral Epidemiol** 1982 Apr;10(2):69–73
Dental caries prevalence in intermediate Saudi schoolchildren in Riyad. Younes SA, et al. **Community Dent Oral Epidemiol** 1982 Apr;10(2):74–6
An epidemiological study of dental caries in school children. Singh J, et al. **J Commun Dis** 1980 Dec;12(4):173–6
Confidence intervals for percentage reduction in caries increments. Wallenstein S, et al. **J Dent Res** 1982 Jun; 61(6):828–30
Effect of family structure on the dental caries experience of children. Primosch RE. **J Public Health Dent** 1982 Spring;42(2):155–68
Fluoride in the outer enamel of New Zealand children. II. Its relation to caries experience. Pearce EI, et al. **NZ Dent J** 1982 Jan;78(351):8–11
Survey of dental caries experience in 5-and 15-year-old Humberside school children. Fallon SJ, et al. **Public Health** 1982 Jan;96(1):15–9
Fluorides and the changing prevalence of dental caries. Leverett DH. **Science** 1982 Jul 2;217(4554):26–30
[Dental caries survey among 16,363 nursery children and school pupils in Sian (author's transl)] **Chung Hua Kou Chiang Ko Tsa Chih** 1981 Sep;16(3):159–62 **(Chi)**
[Preliminary analysis of dental caries in Chinese people (author's transl)] Yue SL. **Chung Hua Kou Chiang Ko Tsa Chih** 1980 Mar;15(1):1–4 **(Chi)**
[Caries prevalence in young adults with and without a prophylaxis program at the compulsory school age] Saxer UP. **Dtsch Zahnarztl Z** 1981 Aug;36(8):508–19 **(Eng.** Abstr.) **(Ger)**
[Caries morbidity and caries incidence in 7- to 15-year-old Basel schoolchildren in 1977 after 15 years of drinking-water fluoridation] Gülzow HJ, et al. **SSO Schweiz Monatsschr Zahnheilkd** 1982 Apr; 92(4):255–62 (Eng. Abstr.) **(Ger)**
[Incidence of dental caries in pre-school children in Berlin from 1921 til the present time] Graehn G, et al. **Z Gesamte Hyg** 1981 Apr;27(4):310–2 (Eng. Abstr.) **(Ger)**
[Caries incidence in elementary school pupils in the city of Matera] Bradascio L, et al. **Minerva Stomatol** 1982 Jan–Feb; 31(1):55–9 (Eng. Abstr.) **(Ita)**
[Epidemiological studies of dental caries in the school population of a mountain district] Resta G, et al. **Minerva Stomatol** 1981 Jul–Aug;30(4):289–98 **(Ita)**
[Little effect of fluoride toothbrushing?] Birkeland JM. **Nor Tannlaegeforen Tid** 1981 Sep;91(12):436–8 **(Nor)**
[Epidemiological aspects of the incidence of dental caries in the personnel of different industries] Burcoveanu E, et al. **Rev Med Chir Soc Med Nat Iasi** 1981 Jul–Sep; 85(3):499–504 (Eng. Abstr.) **(Rum)**
[Hygienic state of the oral cavity in schoolchildren with varying dental caries activity] Khariton VS, et al. **Stomatologiia (Mosk)** 1981 Nov–Dec;60(6):18–20 (Eng. Abstr.) **(Rus)**
[Effect of water fluoridation on the prevalence and incidence of caries of the permanent teeth of Leningrad schoolchildren] Kliachkina LM, et al. **Stomatologiia (Mosk)** 1981;60(4):52–3 (Eng. Abstr.) **(Rus)**
[Incidence and severity of dental caries in children with hypothyroidism] Maksimovskii IuM, et al. **Stomatologiia (Mosk)** 1982 May–Jun;61(3):80–2 (Eng. Abstr.) **(Rus)**
[Caries of the frontal teeth in schoolchildren] Tristen' KS, et al. **Stomatologiia (Mosk)** 1982 May–Jun;61(3):78–80 (Eng. Abstr.) **(Rus)**
[Orodental examination of a student population] Rodriguez Azagra E, et al. **Rev Sanid Hig Publica (Madr)** 1979 Jul–Aug;53(7–8):1097–11077 (Eng. Abstr.) **(Spa)**

PATHOLOGY

Ultrastructure of striations in carious human enamel. Simmelink JW, et al. **Caries Res** 1982;16(2):179–88
Ultrastructural alterations of human odontoblasts and

collagen fibres in the pulpal border zone beneath early caries lesions. Magloire H, et al. **Cell Mol Biol** 1981; 27(5):437–43

Caries progression in primary molars: 24-month results from a minimal treatment programme. Craig GG, et al. **Community Dent Oral Epidemiol** 1981 Dec;9(6):260–5

Microchannels in the surface zone of artificially produced caries-like enamel lesions. Goldberg M, et al. **J Biol Buccale** 1981 Sep;9(3):297–314

Correlated light and scanning electron microscopy of artificial carious lesions. Hubbard MJ. **J Dent Res** 1982 Jan;61(1):14–9

Carious change of dentin observed on longspan ultrathin sections. Shimizu C, et al. **J Dent Res** 1981 Nov; 60(11):1826–31

Crystallographic and structural alterations in the mineral phase of human enamel with carious attacks. Aoba T, et al. **J Oral Pathol** 1982 Jun;11(3):201–9

Recognition of dental caries. Rule JT. **Pediatr Clin North Am** 1982 Jun;29(3):439–56 (13 ref.)

[Clinical and histological contribution to the study of sulcus and fissure caries] Klees L. **Bull Group Int Rech Sci Stomatol Odontol** 1981 Jun; 24(2):103–25 (Eng. Abstr.) **(Fre)**

[Electron microscopic studies of the Retzius lines in enamel caries] Koçkapan C, et al. **Dtsch Zahnarztl Z** 1981; 36(12):836–40 (Eng. Abstr.) **(Ger)**

[Electron microscopic studies on the carious enamel in dentinogenesis imperfecta] Koçkapan C, et al. **Dtsch Zahnarztl Z** 1981 Oct;36(10):677–83 (Eng. Abstr.) **(Ger)**

[Adhesive resin penetration into carious dentin (author's transl)] Fukushima M. **Kokubyo Gakkai Zasshi** 1981 Dec; 48(4):362–85 (Eng. Abstr.) **(Jpn)**

[Transparent layer of carious dentin] Ogawa K. **Kokubyo Gakkai Zasshi** 1981 Sep;48(3):302 **(Jpn)**

PHYSIOPATHOLOGY

Is there a change in the carious process? [letter] **Br Dent J** 1982 Jun 15;152(12):399

Remineralization of artificial caries-like lesions in vivo by a self-administered mouthrinse or paste. Featherstone JD, et al. **Caries Res** 1982;16(3):235–42

Effect of topical application of urea peroxide on caries incidence and plaque accumulation in rats. Firestone AR, et al. **Caries Res** 1982;16(2):112–7

Effects of acid–dissolution on thin ground sections of enamel caries studied by microradiography and x-ray microbeam diffraction. Aoba T, et al. **J Oral Pathol** 1982 Jun; 11(3):191–200

The effect of fluoride in the remineralization of enamel caries and caries-like lesions in vitro. Silverstone LM. **J Public Health Dent** 1982 Winter;42(1):42–53

[Indices of the crown strength properties of the masticatory teeth after the filling of Class-1 cavities] Milikevich VIu, et al. **Stomatologiia (Mosk)** 1981;60(4):15–7 **(Rus)**

PREVENTION & CONTROL

Oral hygiene and caries. A review. Bellini HT, et al. **Acta Odontol Scand** 1981;39(5):257–65 (73 ref.)

Rational use of fluorides in caries prevention. A concept based on possible cariostatic mechanisms. Fejerskov O, et al. **Acta Odontol Scand** 1981;39(4):241–9 (68 ref.)

The physician's role in caries prevention. Hess JW, et al. **Am Fam Physician** 1981 Oct;24(4):171–3

Fluoride tablet supplementation during pregnancy for caries immunity: a study of the offspring produced. Glenn FB, et al. **Am J Obstet Gynecol** 1982 Jul 1;143(5):560–4

Immunization of monkeys (Macaca fascicularis) with purified Streptococcus mutans glucosyltransferase. Russell RR, et al. **Arch Oral Biol** 1981;26(1):23–8

Effects of local immunization of hamsters with glucosyltransferase antigens from Streptococcus sanguis on dental caries caused by Streptococcus mutans. Smith DJ, et al. **Arch Oral Biol** 1981;26(11):871–8

Impact of fluoridation in a private pedodontic practice: thirty years later. Eichenbaum IW, et al. **ASDC J Dent Child** 1981 May–Jun;48(3):211–4

Economic aspects of the prolonged fluoride application method. Enno A, et al. **Aust Dent J** 1982 Apr;27(2):91–3

Immunization against dental caries. A review. Rogers AH. **Aust Dent J** 1982 Apr;27(2):81–5 (59 ref.)

Caries, bacteria, the pulp and plastic restorations [letter] Lea MA. **Br Dent J** 1981 Oct 6;151(7):214–5

Immunisation of monkeys (Macaca fascicularis) with antigens purified from Streptococcus mutans. Russell RR, et al. **Br Dent J** 1982 Feb 2;152(3):81–4

A 4-year double-blind fluoridated school milk study in a vitamin-D deficient area. Stephen KW, et al. **Br Dent J** 1981 Nov 3;151(9):287–92

A vaccine to eliminate caries? [news] **Can Dent Assoc J** 1982 Feb;48(2):86–7

Fluoride varnishes as cariostatic agents: a review. Yanover L. **Can Dent Assoc J** 1982 Jun;48(6):401–4 (31 ref.)

Combined effect of iodine and sodium fluoride on dental caries in rats and on viability of Streptococcus mutans in vitro. Caufield PW. **Caries Res** 1981;15(6):484–91

Fluoride uptake and in vitro caries-like lesion formation in enamel after two-step topical fluoride applications. Crall JJ, et al. **Caries Res** 1982;16(2):162–9

Effects on caries in rats of calcium glycerophosphate and sodium fluoride administered separately and together. Edgar WM, et al. **Caries Res** 1981;15(6):512–4

Effect of topical fluoride gel applications on caries incidence in rats. Hefti A. **Caries Res** 1982;16(1):77–9

Relationship between the extent of the initial lesion and the inhibitory effect of APF on the progression of caries-like lesions in vitro. Kidd EA, et al. **Caries Res** 1982;16(1):42–6

Reduction in caries after 7 years of water fluoridation under climatic conditions in Cuba. Künzel W. **Caries Res** 1982; 16(3):272–6

Preliminary studies on calcium lactate as an anticaries food additive. Shrestha BM, et al. **Caries Res** 1982;16(1):12–7

Effect of oral hygiene instruction and professional toothcleaning on caries and gingivitis in schoolchildren. Axelsson P, et al. **Community Dent Oral Epidemiol** 1981 Dec;9(6):251–5

Evaluation of a practice based preventive programme for adolescents. Blinkhorn AS, et al. **Community Dent Oral Epidemiol** 1981 Dec;9(6):275–9

Fluoride in mixed human saliva after different topical fluoride treatments and possible relation to caries inhibition. Bruun C, et al. **Community Dent Oral Epidemiol** 1982 Jun; 10(3):124–9

Caries increment in primary teeth after application of Duraphat fluoride varnish. Grodzka K, et al. **Community Dent Oral Epidemiol** 1982 Apr;10(2):55–9

Use of adhesive sealants over occlusal carious lesions: radiographic evaluation. Handelman SL, et al. **Community Dent Oral Epidemiol** 1981 Dec;9(6):256–9

Fluorides for everyone: a review of school-based or community programs. Haugejorden O, et al. **Community Dent Oral Epidemiol** 1981 Aug;9(4):159–69 (83 ref.)

A 5-year clinical evaluation of the effectiveness of a fissure sealant in mentally retarded Canadian children. Richardson BA, et al. **Community Dent Oral Epidemiol** 1981 Aug; 9(4):170–4

Effect of operator variability and patient age on the retention of fissure sealant resin: 3-year results. Rock WP, et al. **Community Dent Oral Epidemiol** 1981 Oct;9(5):207–9

The value of self-applied fluorides at home. Holloway PJ, et al. **Int Dent J** 1981 Sep;31(3):232–9 (32 ref.)

Sugar substitutes: reasons and indications for their use. Ikeda T. **Int Dent J** 1982 Mar;32(1):33–43 (43 ref.)

Strategy for the control of severe dental caries in the adolescent. Wei SH. **Int Dent J** 1981 Dec;31(4):295–306

Eliminating tooth decay. **J Am Dent Assoc** 1982;Spec No:57C–60C

The benefit of sealants [letter] **J Am Dent Assoc** 1982 May; 104(5):600

The prevention of dental caries: ten years later. Carlos JP. **J Am Dent Assoc** 1982 Feb;104(2):193–7 (37 ref.)

Caries-preventive effects of fluoride tablets in schoolchildren four years after discontinuation of treatments. Driscoll WS, et al. **J Am Dent Assoc** 1981 Dec;103(6):878–81

A diet counseling program. Katz S. **J Am Dent Assoc** 1981 Jun;102(6):840–5

The use of fluoride and chlorhexidine for the prevention of radiation caries. Katz S. **J Am Dent Assoc** 1982 Feb; 104(2):164–70

Chlorhexidine and radiation caries [letter]. Lockhart PB. **J Am Dent Assoc** 1982 Jul;105(1):8

Anticaries vaccines [letter] Newbrun E. **J Am Dent Assoc** 1982 Jun;104(6):814

Beyond fluoridation [letter] Spears ND. **J Am Dent Assoc** 1982 May;104(5):600

Effect of controlled oral hygiene procedures on caries and periodontal disease in adults. Results after 6 years. Axelsson P, et al. **J Clin Periodontol** 1981 Jun;8(3):239–48

Fissure sealants versus amalgams: clinical results over five years. Smales RJ. **J Dent** 1982 Jun;10(2):95–102

Transformation of calcium fluoride for caries prevention. Chander S, et al. **J Dent Res** 1982 Feb;61(2):403–7

The combined application of topical fluoride and fissure sealant--results after 2 years. Low T. **J Oral Rehabil** 1982 Jan;9(1):1–5

New priorities in prevention of oral disease. Burt BA. **J Public Health Dent** 1982 Spring;42(2):170–9 (82 ref.)

Enrollment in and compliance with a community demonstration program of caries prevention for grades kindergarten through 12. Eckhaus B, et al. **J Public Health Dent** 1982 Spring;42(2):142–54

Aspects of the practical significance of current public health methods for the prevention of caries and periodontal disease. Graves RC. **J Public Health Dent** 1982 Spring; 42(2):179–87 (62 ref.)

Scientific basis for the prevention of caries and periodontal disease [letter]. Walker AR. **J R Soc Med** 1981 Sep; 74(9):702

Fluoride programs in the school setting: preventive dental health. Rebich T Jr, et al. **J Sch Health** 1982 Jan; 52(1):14–16

The effect of a preventive programme on dental plaque and caries in school children. Craig EW, et al. **NZ Dent J** 1981 Jul;77(349):89–93

Fluoride therapy for the pediatric patient. Kula K, et al. **Pediatr Clin North Am** 1982 Jun;29(3):669–80 (49 ref.)

Children's dental health: overview for the physician. Miller RE, et al. **Pediatr Clin North Am** 1982 Jun;29(3):429–38 (73 ref.)

Dental caries prevention by traditional Chinese medicines. Part II. Potent antibacterial action of Magnoliae cortex extracts against Streptococcus mutans. Namba T, et al. **Planta Med** 1982 Feb;44(2):100–6

Effect of caries preventive measures on Streptococcus mutans and lactobacilli in selected mothers. Köhler B, et al. **Scand J Dent Res** 1982 Apr;90(2):102–8

Evaluation of a fluoride-containing varnish in children with low caries incidence. Kolehmainen L. **Scand J Dent Res** 1981 Jun;89(3):228–34

Three-year report on caries prevention of using fluoride varnishes for caries risk children in a community with fluoridated water. Seppä L, et al. **Scand J Dent Res** 1982 Apr;90(2):89–94

The transfer of preventive health technologies to schools: a focus on implementation. Coombs JA, et al. **Soc Sci Med [a]** 1981 Dec;15A(6):789–99

Inhibiting effect on demineralization of permanent root surfaces after different topical application of fluorides and a solution containing Fe- and Al-ions. Dérand T, et al. **Swed Dent J** 1982;6(3):117–20

Development of artificial carious lesions in enamel after F-varnish (Duraphat) and F-Fe-Al-solution treatment. Petersson LG, et al. **Swed Dent J** 1981;5(5–6):219–23

[Study of pit and fissure fluoride sealant polymerized by ultraviolet light (author's transl)] Su ZZ. **Chung Hua Kou Chiang Ko Tsa Chih** 1982;17(1):40–2 **(Chi)**

[A preliminary discussion of the effect of high fluorine content in tea leaves on caries prevention (author's transl)] Zhou DC. **Chung Hua Kou Chiang Ko Tsa Chih** 1980 Mar; 15(1):53–4 **(Chi)**

[Fluoride, 5 years following a Decree of Parliament] Houwink B. **Ned Tijdschr Geneeskd** 1982 May 15; 126(20):903–5 **(Dut)**

[Prevention of post-radiotherapy dental caries and osteoradionecrosis in O.R.L. and maxillofacial oncology] Bolla M, et al. **J Fr Otorhinolaryngol** 1981 Sep;30(7):455–9 **(Fre)**

[Effects of dental prophylaxis measures in Basel after 19 years of water fluoridation] Büttner M. **Rev Belge Med Dent** 1981 Nov;36(6):268–9 **(Fre)**

[Prevention of dental caries and fluorine – current therapeutics in 1981] Kohl J. **Rev Belge Med Dent** 1981 Sep;36(5):210–1 **(Fre)**

[Swiss studies on the effects of prophylactic treatment of dental caries in children (author's transl)] Marthaler TM, et al. **Rev Epidemiol Sante Publique** 1981;29(3):335–40 (Eng. Abstr.) **(Fre)**

[Amine fluorides or mono-fluorophosphate? Generalities and experimental caries] Muhlemann HR, et al. **Rev Odontostomatol (Paris)** 1981 Nov–Dec;10(6):439–45 **(Fre)**

[Posture of the Fédération Dentaire Internationale and of WHO in favor of collective fluoridation measures against dental caries] Baume LJ. **SSO Schweiz Monatsschr Zahnheilkd** 1982 Apr;92(4):263–8 (Eng. Abstr.) **(Fre)**

[Fluoridation in Québec: retrospective study of a failure] Lussier JP. **Union Med Can** 1981 Nov;110(11):942–8 (Eng. Abstr.) **(Fre)**

[Future of vaccines in the prevention of dental caries] Ming-Wen F, et al. **Union Med Can** 1981 Nov; 110(11):955–60 (Eng. Abstr.) **(Fre)**

[Pre- and postnatal caries prevention from the viewpoint of a long-term study] Will R. **Med Welt** 1982 Jun 11; 33(23):847–50 **(Ger)**

[Electric dental care in the child with multiple disability (author's transl)] Gratzer P. **Rehabilitation (Stuttg)** 1982 May;21(2):73–5 (Eng. Abstr.) **(Ger)**

[Dental caries in the cantons of Glarus and Waadt, 4 years and 8 years after the introduction of fluordized salt] Marthaler TM, et al. **Soz Praventivmed** 1981 Oct; 26(5):302–3 (Eng. Abstr.) **(Ger)**

[Caries prevention in adults] Hefti A. **SSO Schweiz Monatsschr Zahnheilkd** 1981 Sep;91 Spec No:672–8 (Eng. Abstr.) **(Ger)**

[Practical recommendations on caries prevention after the introduction of salt with 250 mg F/kg] Hefti A. **SSO Schweiz Monatsschr Zahnheilkd** 1982 Apr;92(4):304–9 (Eng. Abstr.) **(Ger)**

[Caries along the edge of the filling and its prevention by fluorides] Hotz PR. **SSO Schweiz Monatsschr Zahnheilkd** 1982 Apr;92(4):310–4 (Eng. Abstr.) **(Ger)**

[Scientific bases for new recommendations on caries prevention with fluorides] Marthaler TM. **SSO Schweiz Monatsschr Zahnheilkd** 1982 Apr; 92(4):295–303 (Eng. Abstr.) **(Ger)**

[Considerations on dental prevention] Sárhegyi J. **Fogorv Sz** 1981 Dec;74(12):375–6 **(Hun)**

[Zinc in experimental caries in the rat] Rapisarda E, et al. **Minerva Stomatol** 1982 Mar-Apr;31(2):189–92 (Eng. Abstr.) **(Ita)**

[Antibacterial action against Streptococcus mutans and inhibitory effect on the experimental hamster caries of condensed phosphates (author's transl)] Shibata H. **Fukuoka Igaku Zasshi** 1981 Jun;72(6):379–91 (Eng. Abstr.) **(Jpn)**

[The effect of molybdenum on the experimental dental caries in golden hamster (author's transl)] Yazawa M. **Kokubyo Gakkai Zasshi** 1981 Sep;48(3):277–91 (Eng. Abstr.) **(Jpn)**

[Little effect of fluoride toothbrushing?] Birkeland JM.

Nor Tannlaegeforen Tid 1981 Sep;91(12):436–8 **(Nor)**
[Trials – results – conclusions. Duraphat – Fluor Protector] Birkeland JM. **Nor Tannlaegeforen Tid** 1981 Jul; 91(10):368–9 **(Nor)**
[Usage of fluorides – caries: manipulation with statistics] Birkeland JM. **Nor Tannlaegeforen Tid** 1981 Dec; 91(15):535–7 **(Nor)**
[Value and effectiveness of the use of fluoride in preventing dental caries] Wigdorowicz-Makowerowa N. **Postepy Hig Med Dosw** 1980 Sep–Oct;34(5):353–66 (55 ref.) (Eng. Abstr.) **(Pol)**
[Importance of the frequency of oral hygiene in preventing odontogenic foci in schoolchildren] Grigor'eva EE. **Stomatologiia (Mosk)** 1981 Sep–Oct;60(5):77–9 (Eng. Abstr.) **(Rus)**
[Comparative evaluation of the effectiveness of preventive methods in dental caries and periodontal diseases] Kadnikova GI, et al. **Stomatologiia (Mosk)** 1981 Nov–Dec; 60(6):16–8 (Eng. Abstr.) **(Rus)**
[Effect of fluorine and other trace elements on the development of experimental dental caries in thyroid dysfunction] Pashaev ChA, et al. **Stomatologiia (Mosk)** 1981;60(4):6–8 (Eng. Abstr.) **(Rus)**

PSYCHOLOGY

Children's perception of vulnerability to illness and dental disease. Wright FA. **Community Dent Oral Epidemiol** 1982 Feb;10(1):29–32
[The effect of social class on caries incidence degree of hygiene and oral hygiene in adolescents] Pieper K, et al. **Dtsch Zahnarztl Z** 1981 Jun;36(6):376–8 (Eng. Abstr.) **(Ger)**
[Dental caries and life style (author's transl)] Nakamura C, et al. **Kokubyo Gakkai Zasshi** 1981 Sep;48(3):292–301 (Eng. Abstr.) **(Jpn)**

RADIOGRAPHY

Information yield from routine bitewing radiographs for young adults. Stephens RG, et al. **Can Dent Assoc J** 1981 Apr;47(4):247–52
Radiographic diagnosis and clinical tissue changes in relation to treatment of approximal carious lesions. Bille J, et al. **Caries Res** 1982;16(1):1–6
Influence of X-ray beam angulation upon the radiographic image of proximal carious lesions. Sewerin I. **Community Dent Oral Epidemiol** 1981 Apr;9(2):74–8
Statistical contrast enhancement of subtraction images for radiographic caries diagnosis. Gröndahl HG, et al. **Oral Surg** 1982 Feb;53(2):219–23
Effect of quantum noise on the detection of incipient proximal caries. Okano T, et al. **Oral Surg** 1982 Feb; 53(2):212–8

SURGERY

[Experience with using the jet injector for anesthesia in pediatric therapeutic dentistry] Zhilina VV, et al. **Stomatologiia (Mosk)** 1981 Nov–Dec;60(6):25–6 (Eng. Abstr.) **(Rus)**

THERAPY

The effect on space conditions of unilateral grinding of carious proximal surfaces of primary molars--a longitudinal study. Ingers G, et al. **ASDC J Dent Child** 1982 Jan–Feb; 49(1):30–4
Reversal of fissure caries in the albino rat by sweetening agents. Leach SA, et al. **Caries Res** 1981;15(6):508–11
Endodontic treatment of patients who have undergone irradiation of the head and neck. A longitudinal follow-up of eleven endodontically treated teeth. Markitziu A, et al. **Oral Surg** 1981 Sep;52(3):294–8
[Prognostically favorable management of defects using cast fillings] Mayer R. **Dtsch Zahnarztl Z** 1981 Apr;36(4):235–42 (Eng. Abstr.) **(Ger)**
[Optimal time for the treatment of incipient caries] Naujoks R. **Dtsch Zahnarztl Z** 1981 Jun;36(6):338–42 (Eng. Abstr.) **(Ger)**
[Care of proximal cavities from the periodontal viewpoint] Spranger H. **Dtsch Zahnarztl Z** 1981 Apr;36(4):251–3 (Eng. Abstr.) **(Ger)**
[New era in operative dentistry--comprehensive study on structure and removal of carious dentin] Fusayama T. **Kokubyo Gakkai Zasshi** 1982 Mar;49(1):1–17 (Eng. Abstr.) **(Jpn)**

VETERINARY

[Caries, enamel hypoplasia, and dental discolouration in dogs (author's transl)] Kuiper JD, et al. **Tijdschr Diergeneeskd** 1982 Jun 15;107(12):457–62 (Eng. Abstr.) **(Dut)**

DENTAL CARIES SUSCEPTIBILITY

Fluoride concentration in dental plaque of naval recruits with and without caries. Gaugler RW, et al. **Arch Oral Biol** 1982;27(3):269–72
Rates of formation in vitro of dental caries-like enamel lesions in man and some non-human primates. Poole DF, et al. **Arch Oral Biol** 1981;26(5):413–7
Genetics and site attack in dental caries. Comments on Jackson's theory. Sofaer JA. **Br Dent J** 1982 Apr 20; 152(8):267–73
Comparative plaque acidogenesis of caries-resistant vs. caries-susceptible adults. Vratsanos SM, et al. **J Dent Res** 1982 Mar;61(3):465–8
Reexamination of cariogenesis in relation to the distribution of enamel lamellae on crowns of human teeth. Ando T. **J Nihon Univ Sch Dent** 1981 Jun;23(2):79–91
Identification of high-caries-risk children. de Liefde B. **NZ Dent J** 1982 Apr;78(352):38–41
A comparison of identical twins in relation to three dental anomalies: multiple supernumerary teeth, juvenile periodontosis, and zero caries incidence. Rubin MM, et al. **Oral Surg** 1981 Oct;52(4):391–4
Three-year report on caries prevention of using fluoride varnishes for caries risk children in a community with fluoridated water. Seppä L, et al. **Scand J Dent Res** 1982 Apr;90(2):89–94

DENTAL CASTING INVESTMENT

A fracture study of the diametral compression test by means of high-speed photography. Ehrnford L. **Acta Odontol Scand** 1981;39(2):71–7
Fractography of cast gypsum. Mori T, et al. **Aust Dent J** 1982 Feb;27(1):30–8
Silica bonded investment and diatomite. Stevens L. **Aust Dent J** 1981 Dec;26(6):382–6
Wetting effects of surface treatments on inlay wax–investment combinations. Morrison JT, et al. **J Dent Res** 1981 Nov;60(11):1858–60
Type III gold alloy complete crowns cast in a phosphate-bonded investment. Cooney JP, et al. **J Prosthet Dent** 1981 Oct;46(4):414–9
A modified phosphate-bonded casting investment. Finger W, et al. **Scand J Dent Res** 1982 Jun;90(3):243–8
[The high-temperature resistance phosphate investment material (author's transl)] Chen HD. **Chung Hua Kou Chiang Ko Tsa Chih** 1980 Mar;15(1):19–22 **(Chi)**
[Studies on the distortion of the cast crown by measuring volume change (author's transl)] Arikawa H, et al. **Shika Rikogaku Zasshi** 1981 Apr;22(58):114–8 (Eng. Abstr.) **(Jpn)**
[Thermal behavior of phosphate-bonded investment. Part 2. Reactions in the systems of MgO–MgNH4PO4.6H2O and MgO–NH4H2PO4 (author's transl)] Higuchi H, et al. **Shika Rikogaku Zasshi** 1982 Jan;23(61):6–11 (Eng. Abstr.) **(Jpn)**
[Thermal behavior of phosphate-bonded investment. Part 1. Thermal behavior of MgNH4PO4.6H2O (author's transl)] Higuchi H, et al. **Shika Rikogaku Zasshi** 1982 Jan; 23(61):1–5 (Eng. Abstr.) **(Jpn)**
[The cushion ability of lining materials for the setting and heating expansion of plaster bonded investment in casting ring. Part I: For casting mold cavity of inlay type (author's transl)] Nasu T, et al. **Shika Rikogaku Zasshi** 1982 Jan; 23(61):65–75 (Eng. Abstr.) **(Jpn)**
[Molding material for cast bridge prostheses] Kazachkova MA, et al. **Stomatologiia (Mosk)** 1982 Jan–Feb;61(1):63–5 (Eng. Abstr.) **(Rus)**

PHARMACODYNAMICS

[Gas permeability of refractory moulding compounds for preparing 1-piece dental prostheses] Brovkina EP, et al. **Stomatologiia (Mosk)** 1981;60(4):46–7 (Eng. Abstr.) **(Rus)**

STANDARDS

[Studies on the accuracy of the castings. (Part 10) On the effects of starting time of the heat to phosphate bonded investment mold (author's transl)] Ito M, et al. **Shika Rikogaku Zasshi** 1981 Apr;22(59):202–12 (Eng. Abstr.) **(Jpn)**

DENTAL CASTING TECHNIC

One-piece casting for fixed bridgework. Darveniza M, et al. **Aust Dent J** 1982 Feb;27(1):5–10
Temporary bridge construction: A laboratory technique. Carse RA, et al. **Br Dent J** 1981 Nov 3;151(9):303–4
Nickel solubility from nickel-chromium dental casting alloys. Newman S, et al. **J Biomed Mater Res** 1981 Jul;15(4):615–7
Forming of cast precious metal alloys. Baran G, et al. **J Dent Res** 1981 Oct;60(10):1767–72
A modification of the altered cast technique. Bauman R, et al. **J Prosthet Dent** 1982 Feb;47(2):212–3
Strengthening abutment or isolated teeth on removable partial denture master casts. Casey DM, et al. **J Prosthet Dent** 1981 Jul;46(1):105–6
Type III gold alloy complete crowns cast in a phosphate-bonded investment. Cooney JP, et al. **J Prosthet Dent** 1981 Oct;46(4):414–9
Effect on dimensional accuracy when reattaching fractured lone standing teeth of a cast. Hanson JG, et al. **J Prosthet Dent** 1982 May;47(5):488–92
A study of the effect of an increased mold temperature on the casting ability of some nonprecious alloys for porcelain veneers. Thomson DH. **J Prosthet Dent** 1982 Jul;48(1):52–8
Effect of casting methods on accuracy of peridental restorations. Finger W, et al. **Scand J Dent Res** 1982 Jun; 90(3):249–54
Microstructure change and segregation distribution in dental 32 Ni-23 Cu-25 Mn casting alloy. (Part II) Effect of chill-metal system. Wakasa K, et al. **Shika Rikogaku Zasshi** 1982 Jan;23(61):24–8
Microstructure change and segregation distribution in dental 32 Ni-23 Cu-25 Mn casting alloy. (Part 1) Effect of air-vent system. Wakasa K, et al. **Shika Rikogaku Zasshi** 1982 Jan;23(61):19–23
[Suitable cast alloys for making inlays and onlays] Kropp R. **Dtsch Zahnarztl Z** 1981 Apr;36(4):262–4 (Eng. Abstr.) **(Ger)**
[Prognostically favorable management of defects using cast fillings] Mayer R. **Dtsch Zahnarztl Z** 1981 Apr;36(4):235–42 (Eng. Abstr.) **(Ger)**
[Accuracy of the mold and model in making inlays] Rehberg HJ, et al. **Dtsch Zahnarztl Z** 1981 May;36(5):333 **(Ger)**
[Studies on the distortion of the cast crown by measuring volume change (author's transl)] Arikawa H, et al. **Shika Rikogaku Zasshi** 1981 Apr;22(58):114–8 (Eng. Abstr.) **(Jpn)**
[Molding material for cast bridge prostheses] Kazachkova MA, et al. **Stomatologiia (Mosk)** 1982 Jan–Feb;61(1):63–5 (Eng. Abstr.) **(Rus)**
[Integrated approach to the technological process of preparing whole-cast clasp prostheses] Shvarts AD. **Stomatologiia (Mosk)** 1982 Jan–Feb;61(1):68–71 (Eng. Abstr.) **(Rus)**

INSTRUMENTATION

Surface mechanical properties of stone, resin, and metal dies. Fan PL, et al. **J Am Dent Assoc** 1981 Sep;103(3):408–11
Measurement of paint-on die spacers used for casting relief. Campagni WV, et al. **J Prosthet Dent** 1982 Jun; 47(6):606–11
A comparison of three techniques for fabricating metal molds. Choy E, et al. **J Prosthet Dent** 1981 Oct;46(4):430–6
Stabilization of record bases in the construction of complete dentures. Garver DG. **J Prosthet Dent** 1982 Mar;47(3):342
Relative accuracy of four removable die systems. Myers M, et al. **J Prosthet Dent** 1982 Aug;48(2):163–5
Producing accurate removable dies from elastic full arch impressions. Tanquist RA, et al. **J Prosthet Dent** 1982 Aug; 48(2):210–4
Positioning dowel pins for removable dies. Troendle KB, et al. **J Prosthet Dent** 1981 Nov;46(5):575–8
The effect of asbestos-alternatives on the accuracy of cast veneer crowns. Yli-Urpo A, et al. **Swed Dent J** 1982; 6(3):127–31
[Blow molding method for thermoplastics] Akodis ZM, et al. **Stomatologiia (Mosk)** 1982 Mar–Apr;(2):55–6 (Eng. Abstr.) **(Rus)**

STANDARDS

Casting defects in subperiosteal implants: an x-ray investigation. Hargraves J, et al. **J Dent** 1982 Mar;10(1):1–6
Casting accuracy at different mould temperatures. Yli-Urpo A, et al. **Swed Dent J** 1982;6(1):45–7
[Improvement in cast fillings and cast crowns] Boitel RH. **SSO Schweiz Monatsschr Zahnheilkd** 1981 Aug;91(8):580–1 **(Ger)**

DENTAL CAVITY LINING

see related
CALCIUM HYDROXIDE

Lining materials for amalgam restorations. Lim MY, et al. **Br Dent J** 1982 May 4;152(9):313–5
The effect of enamel acid etching on the lining of dentin. Garberoglio R, et al. **Bull Group Int Rech Sci Stomatol Odontol** 1981 Dec; 24(4):235–43
Effect of cutting speeds and a cavity liner on the pulpal response to Nobetec. Bloch WW, et al. **J Oral Pathol** 1981 Apr;10(2):95–100
Microleakage of composite resin inserted over an experimental liner: a laboratory study. Hembree JH Jr. **J Prosthet Dent** 1981 Jul;46(1):94–7
[Effect of cavity liners in adhesive fillings] Schwickerath H, et al. **Dtsch Zahnarztl Z** 1982 Apr;37(4):336–8 (Eng. Abstr.) **(Ger)**

METHODS

[The medical treatment of dentin] De Moor J, et al. **Rev Belge Med Dent** 1982 Jan;37(1):16–9 **(Dut)**

DENTAL CAVITY PREPARATION

Rational restoration of endodontically treated teeth. II. Preparations for crowns. McKerracher PW. **Aust Dent J** 1981 Oct;26(5):282–6
Marginal fit of direct temporary crowns. Robinson FB, et al. **J Prosthet Dent** 1982 Apr;47(4):390–2
[Histomorphologic reactions of the teeth and parodontium to preparation for metalloceramic crowns] Rakhlenko AG. **Biull Eksp Biol Med** 1981 Aug;92(8):101–3 (Eng. Abstr.) **(Rus)**

ADVERSE EFFECTS

Fracture resistance of mandibular molars with occlusal class I amalgam preparations. Re GJ, et al. **J Am Dent Assoc** 1981 Oct;103(4):580–3

INSTRUMENTATION

Preparation of space for posting: effect on thickness of canal walls and incidence of perforation in molars. Abou-Rass M, et al. **J Am Dent Assoc** 1982 Jun;104(6):834–7

A retainerless matrix for amalgam restorations. Strassler HE, et al. **J Prosthet Dent** 1982 Apr;47(4):387–9

[Rational use of rotary instruments in partial dentures] Bogopolsky S, et al. **Actual Odontostomatol (Paris)** 1981; (134):325–46 (Eng. Abstr.) **(Fre)**

METHODS

The interim restoration for the two-appointment indirect pulp therapy technique. McEvoy SA. **ASDC J Dent Child** 1981 Nov–Dec;48(6):417–9

The rationale for the indication and design of the MOD inlay. Kayser AF, et al. **Aust Dent J** 1982 Feb;27(1):22–6

The effects of bevel angulation on marginal integrity. Kashani HG, et al. **J Am Dent Assoc** 1981 Dec;103(6):882–5

The internal escape channel: a solution to incomplete seating of full cast crowns. Miller GD, et al. **J Am Dent Assoc** 1982 Mar;104(3):322–4

Biological assessments of experimental cavity cleansers: correlation between in vitro and in vivo studies. Mjör IA, et al. **J Dent Res** 1982 Aug;61(8):967–72

Slots vs pins: a comparison of retention under simulated chewing stresses. Outhwaite WC, et al. **J Dent Res** 1982 Feb;61(2):400–2

Smear layer removal with chelating agents after cavity preparation. Jodaikin A, et al. **J Prosthet Dent** 1981 Aug; 46(2):171–4

Surface topography of the enamel margins of butt and beveled class V preparations. Retief DH, et al. **J Prosthet Dent** 1982 Aug;48(2):166–70

Effect of cavosurface treatment on marginal leakage in class V composite resin restorations. Retief DH, et al. **J Prosthet Dent** 1982 May;47(5):496–501

Effect of multiple axial grooves on the marginal adaptation of full cast-gold crowns. Tjan AH, et al. **J Prosthet Dent** 1981 Oct;46(4):399–403

A comparison of cord gingival displacement with the gingitage technique. Tupac RG, et al. **J Prosthet Dent** 1981 Nov;46(5):509–15

[The medical treatment of dentin] De Moor J, et al. **Rev Belge Med Dent** 1982 Jan;37(1):16–9 **(Dut)**

[Cavity preparation for inlays] Harndt R. **Dtsch Zahnarztl Z** 1981 Apr;36(4):231–4 (Eng. Abstr.) **(Ger)**

[Dental preparation technic: principles, situational analysis, work concept] Kimmel K. **Dtsch Zahnarztl Z** 1981 Oct; 36(10):619–34 **(Ger)**

[Acid–etching technic with conventionally prepared cavities] Petschelt A. **Dtsch Zahnarztl Z** 1982 Feb;37(2):169–72 (Eng. Abstr.) **(Ger)**

[Effect of cavity liners in adhesive fillings] Schwickerath H, et al. **Dtsch Zahnarztl Z** 1982 Apr;37(4):336–8 (Eng. Abstr.) **(Ger)**

[New era in operative dentistry—comprehensive study on structure and removal of carious dentin] Fusayama T. **Kokubyo Gakkai Zasshi** 1982 Mar;49(1):1–17 (Eng. Abstr.) **(Jpn)**

[Electroacupuncture analgesia in tooth preparation] Miroshnichenko IT, et al. **Stomatologiia (Mosk)** 1982 Mar–Apr;(2):57–9 (Eng. Abstr.) **(Rus)**

STANDARDS

Marginal fit and cervical extent of class II amalgam restorations related to periodontal condition. A clinical and roentgenological study of overhang elimination. Arneberg P, et al. **J Periodont Res** 1980 Nov;15(6):669–77

DENTAL CEMENTS

Two-hour bacterial colonization of dental luting cements in vivo. Orstavik D, et al. **Acta Odontol Scand** 1981; 39(2):115–23

The bond strength of polycarboxylic acid cements to dentine: effect of surface modification and time after extraction. Peddey M. **Aust Dent J** 1981 Jun;26(3):178–80

Improvement of polycarboxylate adhesion to dentine by the use of a new calcifying solution. An in vitro study. Causton BE, et al. **Br Dent J** 1982 Jan 5;152(1):9–11

Marginal leakage associated with four inlay cementing materials. An in vitro comparison. Grieve AR, et al. **Br Dent J** 1981 Nov 17;151(10):331–4

Effects of non-eugenol periodontal dressing materials upon the surface hardness of anterior restorative materials in vitro. Watts TL, et al. **Br Dent J** 1981 Dec 15;151(12):423–5

A study of the volumetric setting shrinkage of some dental materials. Bandyopadhyay S. **J Biomed Mater Res** 1982 Mar;16(2):135–44

Degradation of luting cements measured in vitro. Mesu FP. **J Dent Res** 1982 May;61(5):665–72

Thermal diffusivity in finite cylindrical specimens of dental cements. Watts DC, et al. **J Dent Res** 1981 Dec; 60(12):1972–76

Evaluation of the bonding of cervical restorative materials. Vougiouklakis G, et al. **J Oral Rehabil** 1982 May; 9(3):231–51

Gingival tissue response to restoration of deficient cervical contours using a glass-ionomer material. A 12-month report. Garcia R, et al. **J Prosthet Dent** 1981 Oct; 46(4):393–8

Bond strengths of glass-ionomer and polycarboxylate cements to dentine. Hood JA, et al. **NZ Dent J** 1981 Oct; 77(350):141–4

Evaluation of the apical seal obtained with endodontic implant stabilizers and different cementing materials. Zmener O. **Oral Surg** 1981 Dec;52(6):635–40

Bond strength of new ionomer cements to dentin. Oilo G. **Scand J Dent Res** 1981 Aug;89(4):344–7

Increased bonding of a glass-ionomer cement to dentin by means of FeC13. Shalabi HS, et al. **Scand J Dent Res** 1981 Aug;89(4):348–53

[Butterfly prosthesis and the use of a luting agent for its fixation] Monat JM. **Can Dent Assoc J** 1981 Apr; 47(4):257–8 **(Fre)**

[Glass ionomer cements] Bogopolsky S. **Rev Odontostomatol (Paris)** 1981 Jan–Feb;10(1):53–8 **(Fre)**

[The behavior of sealing cement at the cervical edge in fixed dentures. Analog study using photoelastometry] Vergé J, et al. **Rev Odontostomatol (Paris)** 1981 Nov–Dec; 10(6):421–5 **(Fre)**

[Aluminum silicopolyacrylate cement (ASPA) in a comparative materials test. II. Studies with mixtures after hardening; a comparative evaluation of ASPA] Welker D. **Dtsch Zahnarztl Z** 1981 Aug;36(8):478–87 (Eng. Abstr.) **(Ger)**

[Adhesion of 3 bonding cements in varying degrees of surface roughness of the dentin] Zumstein TA, et al. **Dtsch Zahnarztl Z** 1982 Jan;37(1):16–21 (Eng. Abstr.) **(Ger)**

[Adhesion of various dental restorative materials to human and bovine teeth (author's transl)] Nakamichi I. **Kokubyo Gakkai Zasshi** 1982 Mar;49(1):31–40 (Eng. Abstr.) **(Jpn)**

[Physical properties of adhesive 4-META resin cement (author's transl)] Nagata K, et al. **Shika Rikogaku Zasshi** 1981 Apr;22(58):143–6 (Eng. Abstr.) **(Jpn)**

[Aluminous cement for dental application (author's transl)] Takeda S. **Shika Rikogaku Zasshi** 1982 Jan;23(61):76–87 (Eng. Abstr.) **(Jpn)**

[Decreases in size of sequentially extruded liposomes through polycarbonate membranes-measurements by a method of quasi elastic laser light scattering (author's transl)] Morii M, et al. **Yakugaku Zasshi** 1981 Nov;101(11):1023–9 (Eng. Abstr.) **(Jpn)**

[Comparative evaluation of the physicomechanical properties of Soviet cements used for attaching fixed prostheses] Karal'nik DM, et al. **Stomatologiia (Mosk)** 1981 Sep–Oct; 60(5):67–8 (Eng. Abstr.) **(Rus)**

ADVERSE EFFECTS

Oral burns and potential airway obstruction following the use of black copper cement [letter] Frost PM. **Anaesthesia** 1982 Jan;37(1):98

An investigation of the effects of a tricalcium phosphate—zinc polyacrylate cement implant on bone. Schuller PD, et al. **Can Dent Assoc J** 1981 Jun;47(6):377–80

ANALYSIS

NMR spectroscopy of dental materials. I. 31P studies on phosphate-bonded cement liquids. O'Neill IK, et al. **J Biomed Mater Res** 1982 Jan;16(1):39–49

NMR spectroscopy of dental materials. II. The role of tartaric acid in glass-ionomer cements. Prosser HJ, et al. **J Biomed Mater Res** 1982 Jul;16(4):431–45

PHARMACODYNAMICS

Pulpal reaction to IRM cement: an intermediate restorative material containing eugenol. Brännström M, et al. **ASDC J Dent Child** 1981 Jul–Aug;48(4):259–63

The response of the rat molar pulp to a glass ionomer cement. Paterson RC, et al. **Br Dent J** 1981 Oct 6;151(7):228–30

Evaluation of the biologic effects of dental materials using a new cell culture technique. Imai Y, et al. **J Dent Res** 1982 Aug;61(8):1024–7

Cytotoxic effects of dental cements on two cell culture systems. Hanks CT, et al. **J Oral Pathol** 1981 Apr; 10(2):101–12

Pulpal response to a glass-ionomer cement in primates. Pameijer CH, et al. **J Prosthet Dent** 1981 Jul;46(1):36–40

Enhancement of antimicrobial action of polycarboxylate cement. Schwartzman B, et al. **J Prosthet Dent** 1982 Aug; 48(2):171–3

Capping of monkey pulps with Dycal and a Ca-eugenol cement. Hørsted P, et al. **Oral Surg** 1981 Nov;52(5):531–53

[Mechanism of action of alkaline root canal filling cements with copper doping] Knappwost A, et al. **Dtsch Zahnarztl Z** 1981;36(12):816–8 (Eng. Abstr.) **(Ger)**

[Effect of cavity liners in adhesive fillings] Schwickerath H, et al. **Dtsch Zahnarztl Z** 1982 Apr;37(4):336–8 (Eng. Abstr.) **(Ger)**

STANDARDS

An evaluation of mechanical and adhesive properties of polycarboxylate and glass ionomer cements. Negm MM, et al. **J Oral Rehabil** 1982 Mar;9(2):161–7

Working qualities of glass-ionomer cements. Reisbick MH. **J Prosthet Dent** 1981 Nov;46(5):525–30

[Retention of three different luting cements (author's transl)] Goto T, et al. **Shika Rikogaku Zasshi** 1981 Apr; 22(59):168–71 (Eng. Abstr.) **(Jpn)**

THERAPEUTIC USE

Dental cements: an overview. Sneed RE. **Ala J Med Sci** 1981 Oct;18(4):402–6

[Post-fracture osteitis of the mandible and gentamicin acrylic cement pellets (author's transl)] Rémy R, et al. **Rev Stomatol Chir Maxillofac** 1981;82(6):361–5 (Eng. Abstr.) **(Fre)**

[Newly developed adhesive plastics and their clinical use] Masuhara E. **Dtsch Zahnarztl Z** 1982 Feb;37(2):155–9 (Eng. Abstr.) **(Ger)**

[Use of polycarboxylate cement for attaching fixed prostheses] Sevost'ianov DG. **Stomatologiia (Mosk)** 1981; 60(4):48–50 (Eng. Abstr.) **(Rus)**

TOXICITY

[Glass ionomer cement as a filling material for the tooth neck] Lampert F. **Dtsch Zahnarztl Z** 1982 Feb;37(2):191–3 **(Ger)**

[Correlation analyses between cell cultures and animal experiments] Schmalz G. **Dtsch Zahnarztl Z** 1982 Feb; 37(2):184–6 (Eng. Abstr.) **(Ger)**

[Comparative study on cytotoxicity of main components of three luting cements in vitro (author's transl)] Sogawa K. **Shika Rikogaku Zasshi** 1981 Apr;22(59):172–86 (Eng. Abstr.) **(Jpn)**

DENTAL CEMENTUM

ANATOMY & HISTOLOGY

On the entire aspect of the enamel lamella in human tooth enamel examined by parallel grinding close to its location. Awazawa Y, et al. **Bull Group Int Rech Sci Stomatol Odontol** 1981 Mar; 24(1):11–25

Cemental annulation as an age criterion in forensic dentistry. Stott GG, et al. **J Dent Res** 1982 Jun;61(6):814–7

Topography of root surfaces treated in vitro with citric acid, elastase and hyaluronidase. A scanning electron microscopy study. Part II. Daryabegi P, et al. **J Periodontol** 1981 Dec;52(12):736–42

DRUG EFFECTS

[Effect of vitamin D deficiency and vitamin D3 therapy on the pig cementum] Kerebel B, et al. **Bull Group Int Rech Sci Stomatol Odontol** 1981 Mar; 24(1):37–45 (Eng. Abstr.) **(Fre)**

ENZYMOLOGY

Properties of alkaline phosphatases from cellular cementum of rat molars. Granström G. **Acta Odontol Scand** 1982; 40(2):121–8

IMMUNOLOGY

The further localization of antibody on cemental tissue. Everhart DL, et al. **J Periodontol** 1982 Mar;53(3):168–71

METABOLISM

Endotoxin penetration into root cementum of periodontally healthy and diseased human teeth. Nakib NM, et al. **J Periodontol** 1982 Jun;53(6):368–78

PATHOLOGY

Histological assessment of periodontally involved cementum. Daly CG, et al. **J Clin Periodontol** 1982 May;9(3):266–74

PHYSIOLOGY

Experimental induction of cementogenesis on the enamel of transplanted mouse tooth germs. Heritier M. **Arch Oral Biol** 1982;27(2):87–97

Quantitation of in vitro cell adhesion to cementum, dentin and enamel. Brastins ED, et al. **J Periodont Res** 1980 Nov; 15(6):599–602

The effect of notching into dentin on new cementum formation during periodontal wound healing. Garrett S, et al. **J Periodont Res** 1981 May;16(3):358–61

Angular changes in collagen cemental attachment during tooth movement. Sims MR. **J Periodont Res** 1980 Nov; 15(6):638–45

[The biology of cementum. Clinical applications] Miller N. **Actual Odontostomatol (Paris)** 1981;136:595–608 (Eng. Abstr.) **(Fre)**

PHYSIOPATHOLOGY

The effect of force magnitude on extractable bone resorptive activity and cemental cratering in orthodontic tooth movement. King GJ, et al. **J Dent Res** 1982 Jun;61(6):775–9

ULTRASTRUCTURE

[The structure of the cementum of the teeth in the scanning electron microscope (author's transl)] Svejda J. **Zahn Mund Kieferheilkd** 1981;69(7):549–64 (Eng. Abstr.) **(Ger)**

DENTAL CLINICS

A programme of clinical work by undergraduate dental students in community dental clinics. Rock WP, et al. **Br Dent J** 1982 Jan 5;152(1):12–4

Operation dental care. The United Kingdom volunteer dental clinic in Ashkelon, Israel. Sillers BR, et al. **Br Dent J** 1982 Jan 19;152(2):57–8

The patient as a declining resource in dental education. Colman HL. **J Dent Educ** 1981 Oct;45(10):657–9

A risk management program for dental schools. Pollack BR, et al. **J Dent Educ** 1982 Feb;46(2):93–6

Maintenance of oral home care preventive practices: an empirical study in two dental settings. Nikias MK, et al. **J Public Health Dent** 1982 Winter;42(1):7–28

[Determination of the need of polyclinic departments and offices for dental equipment] Solov'ev SA, et al. **Med Tekh** 1982 May–Jun;(3):38–40 (Eng. Abstr.) **(Rus)**

[Deontological problems in the oral surgery hospital] Ruzin GP, et al. **Stomatologiia (Mosk)** 1981;60(4):63–4 **(Rus)**

HISTORY

Notes on the history of dental dispensaries. Spencer EM. **Med Hist** 1982 Jan;26(1):47–66

ORGANIZATION & ADMINISTRATION

[Organization and equipping of physiotherapy offices in dental polyclinics] Mikhailova RI, et al. **Stomatologiia (Mosk)** 1981 Sep–Oct;60(5):79–80 **(Rus)**

TRENDS

Patient supply for dental schools in the 1980s. Weinlander GH. **Can Dent Assoc J** 1981 Sep;47(9):591–4

DENTAL CROWNS see **CROWNS**

DENTAL DEPOSITS

Contact angle measurements on human enamel – an in vitro study of influence of pellicle and storage period. de Jong HP, et al. **J Dent Res** 1982 Jan;61(1):11–3

ANALYSIS

Gel filtration, ion exchange chromatography and chemical analysis of macromolecules present in acquired enamel pellicle (2-hour-pellicle). Eggen KH, et al. **Scand J Dent Res** 1982 Jun;90(3):182–8

CYTOLOGY

Absorption of milk fat on tooth enamel and the effect on debris accumulation. Heiferman A, et al. **Isr J Dent Med** 1981 Sep;29(1–2):61–3

IMMUNOLOGY

[Immunological structure of the dental cuticle with special reference to the transformation processes in bacterial colonization] Frentzen M. **Dtsch Zahnarztl Z** 1982 Apr; 37(4):381–3 **(Ger)**

PATHOLOGY

[Structural and dynamic interrelations of dental deposits and the enamel surface (an electron microscopic study)] Leus PA, et al. **Stomatologiia (Mosk)** 1981;60(4):4–5 (Eng. Abstr.) **(Rus)**

PHYSIOPATHOLOGY

Iron staining of the acquired enamel pellicle after exposure to tannic acid or chlorhexidine: preliminary report. Nordbö H, et al. **Scand J Dent Res** 1982 Apr;90(2):117–23

DENTAL DEVICES, HOME CARE

Use of oral irrigators as vehicle for the application of antimicrobial agents in chemical plaque control. Lang NP, et al. **J Clin Periodontol** 1981 Jun;8(3):177–88

Optimal dosage of chlorhexidine digluconate in chemical plaque control when applied by the oral irrigator. Lang NP, et al. **J Clin Periodontol** 1981 Jun;8(3):189–202

The effect of waxed and unwaxed dental floss on gingival health. Part I. Plaque removal and gingival response. Lamberts DM, et al. **J Periodontol** 1982 Jun;53(6):393–9

The effect of waxed and unwaxed dental floss on gingival health. Part II. Crevicular fluid flow and gingival bleeding. Wunderlich RC, et al. **J Periodontol** 1982 Jun;53(6):397–400

A pilot, paired-flossing program for elementary school students. Isler SL, et al. **NY State Dent J** 1982 May; 48(5):308–10

The use of dental floss in arch bar application. Boyle P, et al. **Plast Reconstr Surg** 1981 Nov;68(5):794

Laboratory study of fluoride impregnated toothpicks. Mörch T, et al. **Scand J Dent Res** 1981 Dec;89(6):499–505

DENTAL ENAMEL

see related
AMELOBLASTS
AMELOGENESIS

Adsorbed behavior of spin-labeled poly(methyl methacrylate) on human tooth and hydroxyapatite studied by electron spin resonance. Asakura T, et al. **J Biomed Mater Res** 1982 Jul;16(4):529–31

Deposition of rate of metallic Ag on ivory and enamel. O'Keefe TJ, et al. **J Dent Res** 1982 Feb;61(2):408–11

Influence of enamel stylus stiffness on the sliding-wear behavior of a composite restorative. Rice SL, et al. **J Dent Res** 1982 Mar;61(3):493–6

Electron spectroscopic studies of interactions between superficially-applied fluorides and surface enamel. Uchtmann H, et al. **J Dent Res** 1982 Feb;61(2):423–8

[The effect of eugenol cement, CC, FC on the bonding strength of the adhesive resin to the tooth surface (author's transl)] Chang PI, et al. **Shika Rikogaku Zasshi** 1982 Jan; 23(61):93–7 (Eng. Abstr.) **(Jpn)**

[Studies on dental self-curing resins (22) – adhesion of 4-META/MMA-TBB resin to enamel (author's transl)] Nakabayashi N, et al. **Shika Rikogaku Zasshi** 1982 Jan; 23(61):88–92 (Eng. Abstr.) **(Jpn)**

ANALYSIS

Ion probe analysis of discolored areas in the enamel of deciduous teeth. Norén 'G, et al. **Acta Odontol Scand** 1981; 39(2):97–100

A 55Fe excited x-ray fluorescence method for the analysis of Ca content in enamel. Olkkonen H, et al. **Acta Odontol Scand** 1982;40(2):81–5

A fluorescent compound in bovine dental enamel matrix compared with synthetic dityrosine. Booij M, et al. **Arch Oral Biol** 1982;27(5):417–21

The concentrations of Zn and Mg in human enamel and dentine related to age and their concentrations in the soil. Lappalainen R, et al. **Arch Oral Biol** 1981;26(1):1–6

Nature and distribution of mucosubstances in human mature enamel identified by enzyme electron microscopy. Nakata T, et al. **Arch Oral Biol** 1982;27(5):431–3

Changes in the composition of the enamel of human premolar teeth shortly after eruption. Wöltgens JH, et al. **Arch Oral Biol** 1981;26(9):717–9

Effect of post-eruptive age on Ca and P loss from human enamel during demineralization in vitro. Wöltgens JH, et al. **Arch Oral Biol** 1981;26(9):721–5

Neonatal hamster molar tooth development: extraction and characterization of amelogenins, enamelins, and soluble dentin proteins. Lyaruu DM, et al. **Calcif Tissue Int** 1982 Jan;34(1):86–96

Fluoride content of surface enamel of Eskimo (Inuit) teeth. Curzon ME, et al. **Can Dent Assoc J** 1981 Jul;47(7):446–8

Fluoride content in enamel after repeated applications of fluoride varnishes in a community with fluoridated water. Seppä L, et al. **Caries Res** 1982;16(1):7–11

X-ray diffraction of enamel of a freshly erupted human tooth. Driessens FC, et al. **J Biol Buccale** 1982 Mar;10(1):55–61

Fluoride acquisition by surface enamel of human teeth in vivo following toothbrushing with an amine-fluoride toothpaste. Mushanoff O, et al. **J Dent** 1981 Jun;9(2):144–9

Fluoride in the outer enamel of New Zealand children. I. Its relation to the fluoride concentration of the water supply and to the use of fluoride tablets. Pearce EI, et al. **NZ Dent J** 1981 Oct;77(350):144–9

Fluoride in the outer enamel of New Zealand children. II. Its relation to caries experience. Pearce EI, et al. **NZ Dent J** 1982 Jan;78(351):8–11

X-ray diffraction patterns in human dentin, enamel and synthetic apatites related to Zn concentration. Lappalainen R, et al. **Scand J Dent Res** 1981 Dec;89(6):437–44

[EPR study of bovine enamel samples from the milk and permanent teeth, normal and fluoridated and X- and beta-ray irradiated: Part 2] Azzoni CB, et al. **Bull Group Int Rech Sci Stomatol Odontol** 1981 Mar; 24(1):5–9 **(Fre)**

[Relative concentration of phosphorus and calcium in the ame'oblastic layer and in the enamel. Preliminary study (author's transl)] Nief LD, et al. **Rev Stomatol Chir Maxillofac** 1981;82(5):306–7 (Eng. Abstr.) **(Fre)**

[Energy dispersion microanalysis applied to the study of enamel surfaces] Daculsi G, et al. **SSO Schweiz Monatsschr Zahnheilkd** 1982 Mar; 92(3):188–94 (Eng. Abstr.) **(Fre)**

[In-vivo-evaluation of fluoride concentration in surface enamel after application of fluoride containing tooth paste (author's transl)] Treide A. **Zahn Mund Kieferheilkd** 1981; 69(4):233–40 (Eng. Abstr.) **(Ger)**

[Longitudinal studies by enamel biopsy in a group of girls in a boarding school] Fejérdy P, et al. **Fogorv Sz** 1981; 74(5):141–3 (Eng. Abstr.) **(Hun)**

[X-ray diffraction and infrared spectroscopic study of the structure of dental enamel in experimental animals treated with trace elements] Fejérdy P, et al. **Fogorv Sz** 1981 Sep; 74(9):267–72 (Eng. Abstr.) **(Hun)**

[Derivatographic analysis of hard dental tissues from experimental animals treated with molybdenum and fluoride] Fejérdy P, et al. **Fogorv Sz** 1982 Apr;75(4):117–23 **(Hun)**

[Calcium, phosphorus and fluorine content of the surface layer of the enamel in caries and similar dental lesions] Borovskii EV, et al. **Stomatologiia (Mosk)** 1982 May–Jun; 61(3):32–4 (Eng. Abstr.) **(Rus)**

[Calcium, phosphorus and fluorine content in human dental enamel] Breus VE. **Stomatologiia (Mosk)** 1981 Nov–Dec; 60(6):52–4 (Eng. Abstr.) **(Rus)**

[Methods for the sequential and simultaneous determination of Ca and P in dental enamel biopsies] Vershinina OI, et al. **Stomatologiia (Mosk)** 1981 Sep–Oct;60(5):22–3 (Eng. Abstr.) **(Rus)**

ANATOMY & HISTOLOGY

The development of enamel structure in rat incisors as compared to the teeth of monkey and man. Warshawsky H, et al. **Anat Rec** 1981 Aug;200(4):371–99

Surface area and pore size analysis for human enamel and dentine by water vapour sorption. Dibdin GH, et al. **Arch Oral Biol** 1982;27(3):235–41

Differential rates of enamel formation of human tooth surfaces deduced from the striae of Retzius. Gohdo S. **Arch Oral Biol** 1982;27(4):289–96

Tooth surface appearance after debonding. Sandison RM. **Br J Orthod** 1981 Oct;8(4):199–201

On the entire aspect of the enamel lamella in human tooth enamel examined by parallel grinding close to its location. Awazawa Y, et al. **Bull Group Int Rech Sci Stomatol Odontol** 1981 Mar; 24(1):11–25

Thickness of enamel layers removed by HClO4 etching. Dijkman AG, et al. **Caries Res** 1982;16(2):129–37

Translucency of human dental enamel. Brodbelt RH, et al. **J Dent Res** 1981 Oct;60(10):1749–53

The relationship among the permeability to iodide, pore volume, and intraoral mineralization of abraded enamel. Brudevold F, et al. **J Dent Res** 1982 May;61(5):645–8

Contact angle measurements on human enamel – an in vitro study of influence of pellicle and storage period. de Jong HP, et al. **J Dent Res** 1982 Jan;61(1):11–3

Reexamination of cariogenesis in relation to the distribution of enamel lamellae on crowns of human teeth. Ando T. **J Nihon Univ Sch Dent** 1981 Jun;23(2):79–91

The surface roughness of restorative materials and dental tissues after polishing with prophylaxis and polishing pastes. Roulet JF, et al. **J Periodontol** 1982 Apr; 53(4):257–66

Surface topography of the enamel margins of butt and beveled class V preparations. Retief DH, et al. **J Prosthet Dent** 1982 Aug;48(2):166–70

[Enamel caries: is it curable? (a review of the literature)] Nair PN, et al. **SSO Schweiz Monatsschr Zahnheilkd** 1981 Sep;91(9):633–48 (205 ref.) (Eng. Abstr.) **(Ger)**

CYTOLOGY

Histology of enamel organ and chemical composition of adjacent enamel in rat incisors. Robinson C, et al. **Calcif Tissue Int** 1981;33(5):513–20

The arrangement of ameloblasts on the surface of maturing enamel of the rat incisor tooth. Reith EJ, et al. **J Anat** 1981 Oct;133(Pt 3):381–8

DRUG EFFECTS

Rates of formation in vitro of dental caries-like enamel lesions in man and some non-human primates. Poole DF, et al. **Arch Oral Biol** 1981;26(5):413–7

Surface characteristics of hydroxyapatite and enamel after adsorption of fluoride-containing macromolecule.. Bartels T, et al. **Caries Res** 1982;16(1):51–6

Demineralization of human dental enamel by karaya gum solutions. Lamb DJ, et al. **Caries Res** 1982;16(2):118–22

The mineralization of enamel surfaces. A constant composition kinetics study. Amjad Z, et al. **J Dent Res** 1981 Oct;60(10):1783–92

The effect of topical fluoride agents on fluoride uptake and surface morphology. Wefel JS, et al. **J Dent Res** 1981 Nov; 60(11):1842–8

Physical and chemical effects of toothpastes on dental enamel. Zero DT, et al. **J Dent Res** 1982 Mar;61(3):451–5

[Influence of Berlocombin 200 and its components trimethoprim and mebacid upon the quality of dental hard tissues of rabbits (author's transl)] Radtke G, et al. **Zahn Mund Kieferheilkd** 1981;69(5):368–74 (Eng. Abstr.) **(Ger)**

EMBRYOLOGY

Fluoride-binding by organic matrix from early and late developing bovine fetal enamel determined by flow-rate dialysis. Crenshaw MA, et al. **Arch Oral Biol** 1981; 26(6):473–6

Calcium binding by organic matrix of developing bovine enamel. Drinkard C, et al. **Arch Oral Biol** 1981;26(6):483–5

Dental enamel matrix: sequences of two amelogenin polypeptides. Fincham AG, et al. **Biosci Rep** 1981 Oct; 1(10):771–8

Presence of enamel on the lingual surface of rabbit permanent incisors. Grevstad HJ, et al. **Scand J Dent Res** 1982 Jun; 90(3):173–81

GROWTH & DEVELOPMENT

Chemical changes during formation and maturation of human deciduous enamel. Robinson C, et al. **Arch Oral Biol** 1981; 26(12):1027–33

INJURIES

Follow-up study of permanent incisors with enamel fractures as a result of an acute trauma. Ravn JJ. **Scand J Dent Res** 1981 Jun;89(3):213–7

Follow-up study of permanent incisors with enamel-dentin

fractures after acute trauma. Ravn JJ.
Scand J Dent Res 1981 Oct;89(5):355–65

METABOLISM

Fluoride uptake by cavity walls from a fluoride-containing amalgam in vitro. An electron microprobe analysis. Tveit AB, et al. **Acta Odontol Scand** 1981;39(2):107–13
In-vitro study of the cellular control of 18F uptake in the enamel of developing rat molar teeth. Bawden JW, et al. **Arch Oral Biol** 1981;26(6):487–90
In-vitro study of calcium-45 and phosphorus-32 uptake in developing rat molar enamel using quantitative methods. Bawden JW, et al. **Arch Oral Biol** 1981;26(6):477–82
Effect of mono- and divalent ions on diffusion and binding in bovine tooth enamel. Borggreven JM, et al.
Arch Oral Biol 1981;26(8):663–9
Autoradiographic evidence of cyclical entry of calcium into maturing enamel of the rat incisor tooth. Reith EJ, et al. **Arch Oral Biol** 1981;26(12):983–7
Fluoride distribution in rat molar enamel. Retief DH, et al. **Arch Oral Biol** 1981;26(8):687–91
Synthesis of collagen type I, type I trimer and type III by embryonic mouse dental epithelial and mesenchymal cells in vitro. Lesot H, et al. **Biochim Biophys Acta** 1981 Dec 28;656(2):206–12
Chemical and morphological aspects of fluoride acquisition by enamel from topical application of ammonium fluoride with ammonium monofluorophosphate. Caslavska V, et al. **Caries Res** 1982;16(2):170–8
Fluoride uptake and in vitro caries-like lesion formation in enamel after two-step topical fluoride applications. Crall JJ, et al. **Caries Res** 1982;16(2):162–9
Phosphate diffusion in whole bovine enamel. III. pH dependency. de Rooij JF, et al. **Caries Res** 1982;16(3):211–6
Fluoride deposited topical applications in enamel. KOH-soluble and acquired fluoride. Dijkman AG, et al. **Caries Res** 1982;16(2):147–55
Comparison of fluoride uptake by human enamel from acidulated phosphate fluoride gels with different fluoride concentrations. Dijkman AG, et al. **Caries Res** 1982; 16(2):197–200
Fluoride deposition in enamel from application of sodium, potassium or ammonium fluoride. Gron P, et al.
Caries Res 1981;15(6):459–67
Effect on fluoride uptake by enamel and on the progress of artificially produced caries-like lesions of applying successively two different fluoride solutions.
Joyston-Bechal S, et al. **Caries Res** 1982;16(1):34–41
Fluoride taken up by plaque, by the underlying enamel and by clean enamel from three fluoride compounds in vitro. Klimek J, et al. **Caries Res** 1982;16(2):156–61
Artificial lesion formation and fluoride uptake after TiF4 applications. Wefel JS. **Caries Res** 1982;16(1):26–33
Display of maturation cycles in rat incisor enamel with tetracycline labelling. Boyde A, et al. **Histochemistry** 1981; 72(4):551–61
Absorption of milk fat on tooth enamel and the effect on debris accumulation. Heiferman A, et al.
Isr J Dent Med 1981 Sep;29(1–2):61–3
New evidences for the role of secretory ameloblasts in the removal of proline labelled proteins from young enamel as visualized by autoradiography. Blumen G, et al.
J Biol Buccale 1982 Mar;10(1):73–83
Fluoride deposited by topical applications with stannous fluoride in human enamel. Dijkman AG, et al.
J Biol Buccale 1982 Mar;10(1):63–71
Role of the enamel organ in limiting fluoride uptake during the maturation phase of enamel development. Bawden JW, et al. **J Dent Res** 1982 Mar;61(3):506–9
Fluoride uptake from in situ brushing with a SnF2 and a NaF dentifrice. Mobley MJ. **J Dent Res** 1981 Dec; 60(12):1943–8
EDTA enhancement of strontium uptake by intact human enamel. Friedman M, et al. **J Oral Rehabil** 1982 Jul; 9(4):327–33
Fluoride remineralization of demineralized bovine tooth enamel and hydroxyapatite pellets. Yonese M, et al.
J Pharm Sci 1981 Aug;70(8):904–7
Kinetics of fluorine in deciduous enamel after application of fluoride-containing varnish (Duraphat). Koch G, et al. **Swed Dent J** 1982;6(1):39–44
[Fluorine intake by human enamel following brushing with dentifrices with a high fluorine content: an in vitro study] Daculsi G, et al.
Bull Group Int Rech Sci Stomatol Odontol 1981 Mar; 24(1):27–32 (Eng. Abstr.) **(Fre)**
[Fluoride uptake and retention in the dental enamel of adults after the application of NaF tablets and NaF gel in vivo] Klimek J, et al. **Dtsch Zahnarztl Z** 1982 Feb;37(2):181–3 **(Ger)**

MICROBIOLOGY

Demineralisation of human enamel by Streptococcus mutans NCTC 10832 using a sequential batch culture technique. Dummer PM, et al. **Caries Res** 1982;16(2):193–6
Microbiological studies on early dento-gingival plaque on teeth and Mylar strips in humans. Theilade E, et al.
J Periodont Res 1982 Jan;17(1):12–25

PATHOLOGY

Crystallographic and structural alterations in the mineral phase of human enamel with carious attacks. Aoba T, et al. **J Oral Pathol** 1982 Jun;11(3):201–9
[Clinical and histological contribution to the study of sulcus and fissure caries] Klees L.
Bull Group Int Rech Sci Stomatol Odontol 1981 Jun; 24(2):103–25 (Eng. Abstr.) **(Fre)**

PHYSIOLOGY

Experimental induction of cementogenesis on the enamel of transplanted mouse tooth germs. Heritier M.
Arch Oral Biol 1982;27(2):87–97
A preliminary study of posteruptive maturation of teeth in situ. Brudevold F, et al. **Caries Res** 1982;16(3):243–8
Calcification and crystallization in bovine enamel. Sakae T, et al. **J Dent Res** 1982 Jan;61(1):57–9
Histochemistry of lower vertebrate calcified structures. I. Enamel of the dogfish Squalus acanthius compared with mammalian enamel and homologous dentine. Everett MM, et al. **J Morphol** 1981 Oct;170(1):95–111
Quantitation of in vitro cell adhesion to cementum, dentin and enamel. Brastins ED, et al. **J Periodont Res** 1980 Nov; 15(6):599–602
Mineral aspects of dentistry. Driessens FC.
Monogr Oral Sci 1982;10:1–215 (771 ref.)

PHYSIOPATHOLOGY

Effects of acid–dissolution on thin ground sections of enamel caries studied by microradiography and x-ray microbeam diffraction. Aoba T, et al. **J Oral Pathol** 1982 Jun; 11(3):191–200

RADIATION EFFECTS

[In vitro studies of radiogenic caries in human dental enamel] Vogel C, et al. **Dtsch Zahnarztl Z** 1981 May;36(5):314–6 (Eng. Abstr.) **(Ger)**

RADIOGRAPHY

[Radiographic measurement of mineral contents in human dental enamel (author's transl)] Ohta K.
Kokubyo Gakkai Zasshi 1982 Mar;49(1):103–18 (Eng. Abstr.) **(Jpn)**

SURGERY

[Enamel sealing studies with the CO2 laser] Lenz P, et al.
Dtsch Zahnarztl Z 1982 Jun;37(6):469–78 **(Ger)**

ULTRASTRUCTURE

Electron–optical microscopic study of incipient dental microdamage from experimental seed and bone crushing. Peters CR. **Am J Phys Anthropol** 1982 Mar;57(3):283–301
Electron microscopic studies on the potential loss of crystallites from routinely processed sections of young enamel in the rat incisor. Bishop MA, et al. **Anat Rec** 1982 Feb;202(2):177–86
Three–dimensional structure of Tomes' processes and enamel prism formation in the kitten. Wakita M, et al.
Arch Histol Jpn 1981 Jul;44(3):285–97
Structure and porosity of human cervical enamel studied by polarizing microscopy and transmission electron microscopy. Poole DF, et al. **Arch Oral Biol** 1981; 26(12):977–82
Microscopy of resorption of enamel and dentine from the cusp tips of the molar teeth of rats. Sutcliffe JE, et al. **Arch Oral Biol** 1981;26(1):29–39
Structural variations in the surface zone of human tooth enamel observed by scanning electron microscopy. Whittaker DK. **Arch Oral Biol** 1982;27(5):383–92
Planar faults in dental hydroxy–apatite. Rachinger WA, et al. **Calcif Tissue Int** 1982 Mar;34(2):209–10
A comparative microscopical study of resins bonded to buccal enamel surfaces. Galil KA, et al.
Can Dent Assoc J 1982 Jan;48(1):51–5
Preparation of partially decalcified sections of human dental enamel for electron microscopy. Liem RS, et al.
Caries Res 1982;16(3):217–26
Ultrastructure of striations in carious human enamel. Simmelink JW, et al. **Caries Res** 1982;16(2):179–88
Microcrystal arrangement in human deciduous dental enamel studied by electron paramagnetic resonance. Skalerič U, et al. **Caries Res** 1982;16(1):47–50
Electron–microscope study of the dentine–enamel junction of kangaroo (Macropus giganteus) teeth using selected–area argon–ion–beam thinning. Palamara J, et al.
Cell Tissue Res 1981;221(2):405–19
Microchannels in the surface zone of artificially produced caries–like enamel lesions. Goldberg M, et al.
J Biol Buccale 1981 Sep;9(3):297–314
Correlated light and scanning electron microscopy of artificial carious lesions. Hubbard MJ. **J Dent Res** 1982 Jan;61(1):14–9
TEM study of the central dark line in enamel crystallites. Marshall AF, et al. **J Dent Res** 1981 Oct;60(10):1773–82
Enamel crystallite growth: width and thickness study related to the possible presence of octocalcium phosphate during amelogenesis. Weiss MP, et al. **J Ultrastruct Res** 1981 Sep; 76(3):286–92
Enamel in odontodysplasia. Kerebel B, et al. **Oral Surg** 1981 Oct;52(4):404–10
Uncoated specimen of human enamel observed in the scanning electron microscope. Risnes S, et al.
Scand J Dent Res 1981 Jun;89(3):205–12
Multiangular viewing of dental enamel in the SEM: a simple specimen holder system. Risnes S. **Scand J Dent Res** 1982 Feb;90(1):80–2
[SEM observation of the effect of ultrasonic scaling on the enamel surface (author's transl)] Huang ZR.
Chung Hua Kou Chiang Ko Tsa Chih 1982;17(1):17–9 **(Chi)**
[Experimental reproduction of the process of alteration of the dental surface by abrasive and non–abrasive friction: application to the study of the diet of early man] Puech PF, et al. **C R Seances Acad Sci [III]** 1981 Nov 9; 293(9):497–502 (Eng. Abstr.) **(Fre)**
[Ultrastructural study of enamel and dentin in regional odontodysplasia] Kerebel B, et al. **J Biol Buccale** 1981 Sep; 9(3):243–52 (Eng. Abstr.) **(Fre)**
[Electron microscopic studies of the Retzius lines in enamel caries] Koçkapan C, et al. **Dtsch Zahnarztl Z** 1981; 36(12):836–40 (Eng. Abstr.) **(Ger)**
[Electron microscopic studies on the carious enamel in dentinogenesis imperfecta] Koçkapan C, et al.
Dtsch Zahnarztl Z 1981 Oct;36(10):677–83 (Eng. Abstr.) **(Ger)**
[Irregular lattice pattern of dental enamel crystals] Ichijo H, et al. **Kokubyo Gakkai Zasshi** 1981 Jun;48(2):252 **(Jpn)**
[Structural and dynamic interrelations of dental deposits and the enamel surface (an electron microscopic study)] Leus PA, et al. **Stomatologiia (Mosk)** 1981;60(4):4–5 (Eng. Abstr.) **(Rus)**

DENTAL ENAMEL HYPOPLASIA

COMPLICATIONS

The association of early childhood enamel hypoplasias an radiopaque transverse lines in a culturally diverse prehistoric skeletal sample. Clarke SK. **Hum Biol** 1982 Feb; 54(1):77–84

ETIOLOGY

Etiology of enamel hypoplasia [letter] Schärer K, et al.
J Pediatr 1982 Apr;100(4):673–4
Changes in dental development in paediatric patients with chronic kidney disease. Bublitz A, et al.
Proc Eur Dial Transplant Assoc 1981;18:517–23

VETERINARY

[Caries, enamel hypoplasia, and dental discolouration in dogs (author's transl)] Kuiper JD, et al.
Tijdschr Diergeneeskd 1982 Jun 15;107(12):457–62 (Eng. Abstr.) **(Dut)**

DENTAL ENAMEL PERMEABILITY see under **TOOTH PERMEABILITY**

DENTAL ENAMEL PROTEINS

ANALYSIS

Soluble and insoluble proteins of normal human mature enamel. Klein JP, et al. **Arch Oral Biol** 1982;27(2):133–9
Dental enamel matrix: sequences of two amelogenin polypeptides. Fincham AG, et al. **Biosci Rep** 1981 Oct; 1(10):771–8
Comparative protein biochemistry of developing dental enamel matrix from five mammalian species. Fincham AG, et al. **Calcif Tissue Int** 1982 Mar;34(2):182–9
Neonatal hamster molar tooth development: extraction and characterization of amelogenins, enamelins, and soluble dentin proteins. Lyaruu DM, et al. **Calcif Tissue Int** 1982 Jan;34(1):86–96
Changing patterns of enamel matrix proteins in the developing bovine tooth. Fincham AG, et al.
Caries Res 1982;16(1):64–71

ISOLATION & PURIFICATION

Acid–soluble bovine fetal enamelins. Belcourt AB, et al.
J Dent Res 1982 Aug;61(8):1031–2

METABOLISM

Ethylenediaminetetraacetic acid insoluble protein of adult human enamel. Belcourt AB, et al. **Caries Res** 1982; 16(1):72–6
New evidences for the role of secretory ameloblasts in the removal of proline labelled proteins from young enamel as visualized by autoradiography. Blumen G, et al.
J Biol Buccale 1982 Mar;10(1):73–83

DENTAL ENAMEL SOLUBILITY

Effects of acid–dissolution on thin ground sections of enamel caries studied by microradiography and x-ray microbeam diffraction. Aoba T, et al. **J Oral Pathol** 1982 Jun; 11(3):191–200
[Dental enamel solubility studies in a group of secondary-school-age girls] Fejérdy P, et al. **Orv Hetil** 1981 Aug 30;122(35):2147–9 **(Hun)**

DRUG EFFECTS

Fluoridation of human enamel by fluoride–containing

polyelectrolytes. Bartels T, et al. **Caries Res** 1982; 16(1):57–63

Demineralization of human dental enamel by karaya gum solutions. Lamb DJ, et al. **Caries Res** 1982;16(2):118–22

Solubility of enamel powder following treatments with 1% sodium dodecyl sulphate in the presence and absence of fluoride. Galon E, et al. **J Oral Rehabil** 1981 Jun; 8(4):359–62

[In vitro model of the effect of liquids on dental enamel] Végh A, et al. **Fogorv Sz** 1981 Dec;74(12):371–4 (Eng. Abstr.) **(Hun)**

[Remineralizing therapy of initial caries and the intravital solubility of dental enamel] Leont'ev VK, et al. **Stomatologiia (Mosk)** 1981 Sep–Oct;60(5):23–6 (Eng. Abstr.) **(Rus)**

[Mechanism of acid dissolution of dental enamel] Leont'ev VK, et al. **Stomatologiia (Mosk)** 1982 Jan–Feb;61(1):4–7 (Eng. Abstr.) **(Rus)**

DENTAL EQUIPMENT

Nomogram to determine parameters of mechanical amalgamators. Darvell BW. **Aust Dent J** 1982 Feb; 27(1):45–6

Occlusion and restorative dentistry for the general practitioner. Part 5–Principles and types of articulators and techniques for recording jaw positions–'jaw registration. Wise MD. **Br Dent J** 1982 Apr 20;152(8):277–87

Inva retro. Legge I, et al. **Ergonomics** 1981 Nov;24(11):903–4

The applications of the dental microscope: preliminary report. Apotheker H. **J Microsurg** 1981 Winter;3(2):103–6

A study on mandibular movements in adult normal and reverse occlusal subjects by the application of a non–contact type measuring apparatus. Horiuchi K. **J Nihon Univ Sch Dent** 1981 Mar;23(1):34–44

Comparison of retruded axis articular mountings with and without applied muscular force. Teo CS, et al. **J Oral Rehabil** 1981 Jun;8(4):363–76

Studies on the validity of the terminal hinge axis. Beard CC, et al. **J Prosthet Dent** 1981 Aug;46(2):185–91

Determining the pathway of protrusive movement on arcon and nonarcon articulators by mathematical equations. Morita O, et al. **J Prosthet Dent** 1982 Mar;47(3):330–5

Clinical evaluation of methods used in locating the mandibular hinge axis. Razek A. **J Prosthet Dent** 1981 Oct; 46(4):369–73

Influence of TMJ dysfunction on Bennett movement as recorded by a modified pantograph. Part III: Progress report on the clinical study. Simonet PF, et al. **J Prosthet Dent** 1981 Dec;46(6):652–61

Influence of TMJ dysfunction on Bennett movement as recorded by a modified pantograph. Part II: Pilot articulator study. Simonet PF, et al. **J Prosthet Dent** 1981 Nov;46(5):545–9

[Clinical experiments with the Quick Analyzer and the Dr. Robert Lee Panadent articulator] Mani G, et al. **SSO Schweiz Monatsschr Zahnheilkd** 1981 Jun;91(6):419–38 (Eng. Abstr.) **(Fre)**

[Dental units as sources of contamination by Pseudomonas aeruginosa] Exner M, et al. **Dtsch Zahnarztl Z** 1981; 36(12):819–24 (Eng. Abstr.) **(Ger)**

[Projection errors in angle measurement with hinge axis recorders] Klett R. **Dtsch Zahnarztl Z** 1982 Jun;37(6):482–6 (Eng. Abstr.) **(Ger)**

[3–dimensional representation of the movement of single points of a jaw model in the articulator] Köber E, et al. **Dtsch Zahnarztl Z** 1981 Aug;36(8):462–6 (Eng. Abstr.) **(Ger)**

[Statistical analysis of sagittal condylar guidance. Historical correlation and ratio of values with age] Bruscagin C, et al. **Minerva Stomatol** 1982 Mar–Apr;31(2):243–8 (Eng. Abstr.) **(Ita)**

[Technical maintenance of dental equipment] Alekseev GM. **Med Tekh** 1982 May–Jun;(3):45–7 **(Rus)**

[Krioélektronika–1 cryogenic dental unit] Grokhol'skiĭ AP, et al. **Med Tekh** 1982 May–Jun;(3):16–20 (Eng. Abstr.) **(Rus)**

[GE–5–03 apparatus for galvanization of the oral cavity] Kolobov VA. **Med Tekh** 1982 May–Jun;(3):55–6 **(Rus)**

[K–1 set for equipping the dentist's work area] Shevliakov GD. **Med Tekh** 1982 May–Jun;(3):47–9 **(Rus)**

[Dental watermassage apparatus (after P.E. Smolin)] Soldatov VV. **Med Tekh** 1982 May–Jun;(3):57–8 **(Rus)**

[Device for the mechanical mixing of Gallodent–M filling material] Lankin VN, et al. **Stomatologiia (Mosk)** 1981 Sep–Oct;60(5):85–6 **(Rus)**

[Organization and equipping of physiotherapy offices in dental polyclinics] Mikhallova RI, et al. **Stomatologiia (Mosk)** 1981 Sep–Oct;60(5):79–80 **(Rus)**

[Device for determining the angle of inclination of the interalveolar lines] Rabovil MI. **Stomatologiia (Mosk)** 1981 Sep–Oct;60(5):59–61 (Eng. Abstr.) **(Rus)**

ECONOMICS

Dental equipment price index, 1970 to 1981. Bureau of Economic and Behavioral Research. Loewy S. **J Am Dent Assoc** 1982 May;104(5):678–80

STANDARDS

Dental products accepted/certified by the Council on Dental Materials, Instruments, and Equipment and the council on Dental Therapeutics. **J Am Dent Assoc** 1981 Nov; 103(5):813–33

[Hardening of dental instruments] Gerasev GP. **Med Tekh** 1981 Sep–Oct;(5):38–40 (Eng. Abstr.) **(Rus)**

TRENDS

[Prospects for dental instrumentation development] Valeev BA, et al. **Med Tekh** 1981 Sep–Oct;(5):14–5 **(Rus)**

UTILIZATION

[Determination of the need of polyclinic departments and offices for dental equipment] Solov'ev SA, et al. **Med Tekh** 1982 May–Jun;(3):38–40 (Eng. Abstr.) **(Rus)**

DENTAL FACILITIES

Employees, patients and their perceptions of an advertising dental enterprise. Waldman HB. **NY J Dent** 1982 Jun–Jul; 52(6):173–6

DENTAL FILLINGS, PERMANENT see **DENTAL RESTORATION, PERMANENT**

DENTAL FILLINGS, TEMPORARY see **DENTAL RESTORATION, TEMPORARY**

DENTAL FISTULA

COMPLICATIONS

Oral–cutaneous fistula of dental origin. Fernandez JM, et al. **J Oral Maxillofac Surg** 1982 Mar;40(3):183–5

[Dental infections causing cutaneous fistulas] Donohue WB, et al. **Union Med Can** 1982 Feb;111(2):145–9 (Eng. Abstr.) **(Fre)**

DIAGNOSIS

Mandibular sinuses of dental origin. Kotecha M, et al. **Practitioner** 1981 Jun;225(1356):910–5

ETIOLOGY

Temporal sinus tracts arising from mandibular infections. Bütow KW, et al. **J Oral Maxillofac Surg** 1982 Jan; 40(1):56–9

The endodontic–periodontic fistula. Report of a case. Rossman LE, et al. **Oral Surg** 1982 Jan;53(1):78–81

Dual sinus tracts from a single tooth. Report of a case. Weisman MI. **Oral Surg** 1981 Dec;52(6):653–6

[Treatment of odontogenic complications involving the maxillary sinus after dental procedures] Fiala M. **Cesk Otolaryngol** 1981 Aug;30(4):214–8 (Eng. Abstr.) **(Cze)**

[Pathogenesis of the fistulated dental infection] Morin A, et al. **Rev Odontostomatol (Paris)** 1981 Nov–Dec;10(6):429–37 **(Fre)**

PATHOLOGY

Epithelium–lined oral sinus tract. Vire DE, et al. **Oral Surg** 1982 Feb;53(2):209–11

SURGERY

Bone marrow grafting in the secondary closure of alveolar–palatal defects in children. Jackson IT, et al. **Br J Plast Surg** 1981 Oct;34(4):422–5

DENTAL FOCAL INFECTION see **FOCAL INFECTION, DENTAL**

DENTAL GRANULOMA see **PERIAPICAL GRANULOMA**

DENTAL HEALTH SERVICES

Toward a theory of the dental care market: a critique. Littleton PA Jr. **Am J Public Health** 1982 Jul;72(7):676–8

Look before you leap. Bedford WR. **Can Dent Assoc J** 1982 Feb;48(2):96–7

Dental health for everyone. **J Am Dent Assoc** 1982;Spec No:50C–3C

[Dental health in Thailand] Svendsby T. **Nor Tannlaegeforen Tid** 1981 Dec;91(15):542–4 **(Nor)**

[Program of minimum preventive measures in the dental care of children in SAP Vojvodina] Tatić E, et al. **Med Pregl** 1980;33(11–12):471–6 (Eng. Abstr.) **(Scc)**

[Dentistry programs in Brazil. Problems and solutions] Pereira S. **Bol Of Sanit Panam** 1982 Jun;92(6):532–42 **(Spa)**

ECONOMICS

A political economic theory of the dental care market. Lipscomb J, et al. **Am J Public Health** 1982 Jul;72(7):665–75

Attempts to control dental health care costs: the U.S. experience. Gift HC, et al. **Soc Sci Med [a]** 1981 Dec; 15A(6):767–79

HISTORY

[Advances in Hungarian dentistry since the time of Arkövy] Huszár G. **Orv Hetil** 1982 May 16;123(20):1243–6 **(Hun)**

[Development of stomatology in the SAP Vojvodina area after World War II] Branovački D, et al. **Med Pregl** 1980; 33(11–12):447–8 **(Scc)**

ORGANIZATION & ADMINISTRATION

Dentistry in Denmark: a public and private blend of dental policy and delivery. Moore R. **J Am Dent Assoc** 1982 May; 104(5):661–9

A new managerial approach: army dentistry and the Medical Service Corps officer. Woods LR. **Milit Med** 1981 Dec; 146(12):886–8

[Analysis of the expenditures of the dentist's time in planned dental treatment for organized preschool contingents] Sinitsyn RG, et al. **Stomatologiia (Mosk)** 1981 Nov–Dec; 60(6):46–7 (Eng. Abstr.) **(Rus)**

[Delivery of dental care on the shop principle] Bulygin AD, et al. **Voen Med Zh** 1982 May;(5):22–4 **(Rus)**

TRENDS

Institutional change in delivery of dental services: a marketing perspective. Capon N. **Am J Public Health** 1982 Jul;72(7):679–83

Pressures on the dental care system in the United States. Wotman S, et al. **Am J Public Health** 1982 Jul;72(7):684–9

[Changes in the documentation of dental services during the past 25 years] Orsós S, et al. **Fogorv Sz** 1982 May; 75(5):135–9 **(Hun)**

UTILIZATION

The Minnesota dental insurance program for senior citizens: two–year results for the utilization of dental services. Yellowitz JA, et al. **J Am Dent Assoc** 1982 Apr; 104(4):453–8

Dental visits volume and interval since last visit: United States, 1978 and 1979. **Vital Health Stat [10]** 1982; 10(138):1–54

[Do the elderly receive adequate dental care? Determinants of the use of dental services by urban dwellers aged between 60 and 90 – Part I (author's transl)] Garms–Homolová V, et al. **Aktuel Gerontol** 1982 May; 12(3):100–5 (Eng. Abstr.) **(Ger)**

DENTAL HEALTH SURVEYS

Busselton dental survey 1978. Medcalf GW. **Aust Dent J** 1981 Oct;26(5):304–8

Dental health and parental attitudes in Finnish immigrant preschoolchildren in the north of Sweden. Ekman A, et al. **Community Dent Oral Epidemiol** 1981 Oct;9(5):224–9

Application of a microprocessor for collection of dental epidemiological data. Gamble A, et al. **Community Dent Oral Epidemiol** 1981 Dec;9(6):300–1

Dental health of young Vietnamese immigrants. Riordan PJ, et al. **Community Dent Oral Epidemiol** 1981 Oct;9(5):239–44

How successful are surveys on the relationship between caries and sociocultural variables? Tijmstra T. **Community Dent Oral Epidemiol** 1981 Oct;9(5):230–5

Empirical verification of confidence intervals computed from dental data. Cohen ME, et al. **J Dent Res** 1982 Jun; 61(6):824–7

The effect of fluoridation on the dental health of urban Scottish Schoolchildren. Blinkhorn AS, et al. **J Epidemiol Community Health** 1981 Jun;35(2):98–101

[Indication for and frequency of preprosthetic interventions: the results of a survey] Kerschbaum T. **Dtsch Zahnarztl Z** 1982 Feb;37(2):82–7 (Eng. Abstr.) **(Ger)**

[Cariologic and periodontal screening of children between 6 and 14 years of age in Budapest] Bodoki I, et al. **Fogorv Sz** 1981 Jul;74(7):215–8 (Eng. Abstr.) **(Hun)**

[Geriatric prosthetic survey] Huszár G. **Fogorv Sz** 1982 Mar; 75(3):75–80 (Eng. Abstr.) **(Hun)**

[Survey of missing and restored teeth in the 50–59 age group at the Obuda Shipyard. II. Fixed restorations] Kóbor A, et al. **Fogorv Sz** 1981 Dec;74(12):362–6 (Eng. Abstr.) **(Hun)**

[Survey of the dental condition of students at trade schools] Kovács G, et al. **Fogorv Sz** 1981 Jun;74(6):183–6 (Eng. Abstr.) **(Hun)**

[Effect of sociomedical factors on the state of dentition in preschool children from a rural area of Szczecin Province] Miętkiewska B. **Ann Acad Med Stetin** 1981;27:353–71 (Eng. Abstr.) **(Pol)**

DENTAL HIGH SPEED EQUIPMENT

[Studies on the performance of the dental air turbine handpieces. (Part 4) Analysis of the rotational performance of air turbine handpieces (N = N0 – CvFv gamma (author's transl)] Miyairi H, et al. **Shika Rikogaku Zasshi** 1981 Apr; 22(58):136–42 (Eng. Abstr.) **(Jpn)**

[Studies on the performance of the dental air turbine handpieces. (Part 6) Investigation on the power of several air turbine handpieces (N = No–CvEv gamma) (author's transl)] Miyairi H, et al. **Shika Rikogaku Zasshi** 1982 Jan; 23(61):58–64 (Eng. Abstr.) **(Jpn)**

[Experimental studies of micromotor headpieces] Kanaev VF, et al. **Med Tekh** 1982 May–Jun;(3):21–4 (Eng. Abstr.) **(Rus)**

[Characteristics of microturbines for dentistry] Sabitov VKh, et al. **Med Tekh** 1982 May–Jun;(3):24–8 (Eng. Abstr.) **(Rus)**

[New drilling machine for procedures in dental technology] Semiusov GG. **Med Tekh** 1982 May-Jun;(3):53-4 **(Rus)**
[Increased wear resistance of dental drills through chrome plating] Shamgunova SV, et al. **Med Tekh** 1982 May-Jun; (3):28-30 **(Rus)**

ADVERSE EFFECTS

Effect of turbine dental drill noise on dentists' hearing. Man A, et al. **Isr J Med Sci** 1982 Apr;18(4):475-7

STANDARDS

The performance of autoclaved high-speed dental handpieces. Wirthlin MR Jr, et al. **J Am Dent Assoc** 1981 Oct;103(4):584-7
[Studies on the performance of the dental air turbine handpieces. (Part 5) Rotational performance of various kinds of dental air turbine handpieces (N = N0—CvFv gamma) (author's transl)] Miyairi H, et al.
Shika Rikogaku Zasshi 1981 Oct;22(60):262-70 (Eng. Abstr.) **(Jpn)**

DENTAL HIGH SPEED TECHNIC

Effect of cutting speeds and a cavity liner on the pulpal response to Nobetec. Bloch WW, et al. **J Oral Pathol** 1981 Apr;10(2):95-100
[High-speed grinding treatment of papillary hyperplasia] Härle F, et al. **Dtsch Zahnarztl Z** 1981 May;36(5):286-7 (Eng. Abstr.) **(Ger)**

DENTAL HYGIENISTS

The role of the hygienist in dental practice. McIntyre JM. **Aust Dent J** 1982 Apr;27(2):124-8
Profile of dental hygienists licensed in the United States. Malvitz DM, et al. **J Public Health Dent** 1982 Winter; 42(1):54-71
The dental hygiene professional. Jaffe M.
NY State Dent J 1982 Mar;48(3):154-5
Understanding the dental hygienist of the eighties. Rose-Sutton A. **NY State Dent J** 1982 Mar;48(3):166-7

EDUCATION

Faculty retention in dental hygiene programs. Ley ES.
J Dent Educ 1982 Sep;46(9):533-6
The effects of a continuing education course on dental hygiene practice. Young LJ, et al. **J Dent Educ** 1982 Apr; 46(4):212-5
Part II-Dental hygiene: profile of a profession. Odrich J, et al. **NY J Dent** 1982 May;52(5):158

PSYCHOLOGY

The role of psychological androgyny in female students' dental career choices. Hamby CL. **J Dent Educ** 1982 Sep; 46(9):537-40
Dental hygiene students' attitudes toward the elderly and older patients. Rakowski W, et al. **J Dent Educ** 1982 May; 46(5):274-8
Dental hygiene students: stereotypically feminine. Hamby CL. **Psychol Rep** 1982 Jun;50(3 Pt 2):1237-8

UTILIZATION

The controversy concerning the role of the hygienist in dentistry [news] **ASDC J Dent Child** 1982 Jan-Feb; 49(1):16-7, 75
Degree to which expanded functions are incorporated into practice. Marinelli RD, et al. **NY State Dent J** 1982 Mar; 48(3):169-71

DENTAL IMPLANTATION

Treatment of a root fracture with a gold implant: report of a case. Järvinen S, et al. **ASDC J Dent Child** 1981 Sep-Oct; 48(5):380-1
Mandibular superiosteal implants [letter] Beck PM.
Can Dent Assoc J 1981 Aug;47(8):479
Unilateral subperiosteal implants in primates. Natiella JR, et al. **J Prosthet Dent** 1982 Jul;48(1):68-77
[Bone healing after gelatin sponge implantation under compression in dogs] Borckmann BU, et al.
Dtsch Zahnarztl Z 1982 Jan;37(1):25-9 (Eng. Abstr.) **(Ger)**
[Tooth reimplantation, transplants and alloplastic implants] Gennari P, et al. **Acta Biomed Ateneo Parmense** 1981; 52(4):131-7 **(Ita)**

INSTRUMENTATION

Implants in dental and maxillofacial surgery. Williams DF. **Biomaterials** 1981 Jul;2(3):133-46 (223 ref.)
Organic surface film contamination of Vitallium implants. Carter JM, et al. **J Biomed Mater Res** 1981 Nov; 15(6):843-51
Casting defects in subperiosteal implants: an x-ray investigation. Hargraves J, et al. **J Dent** 1982 Mar;10(1):1-6
The unilateral subperiosteal implant: a clinical technique evolving from experimental studies. Flynn HE, et al.
J Prosthet Dent 1982 Jul;48(1):82-5

METHODS

The influence of implant elastic modulus on the stress distribution around LTI carbon and aluminum oxide dental implants. Cook SD, et al. **J Biomed Mater Res** 1981 Nov; 15(6):879-87
Long-term results of subperiosteal implants combined with cancellous bone grafts. Bloomquist DS.
J Oral Maxillofac Surg 1982 Jun;40(6):348-52
[Titanium teeth implantation (report of 79 cases) (author's transl)] Chen ZH. **Chung Hua Kou Chiang Ko Tsa Chih** 1982;17(1):7-8 **(Chi)**

DENTAL IMPLANTATION, ENDOSSEOUS

Measurements of alveolar bone height at tooth and implant abutments on intraoral radiographs. A comparison of reproducibility of Eggen technique utilized with and without a bite impression. Larheim TA, et al.
J Clin Periodontol 1982 May;9(3):184-92
A model for the implant-bone interface characteristics of porous dental implants. Cook SD, et al. **J Dent Res** 1982 Aug;61(8):1006-9
The attachment mechanism of epithelial cells to titanium in vitro. Gould TR, et al. **J Periodont Res** 1981 Nov; 16(6):611-6
[Properties and compatibility of a new biocement after intraosseous implantation in an animal experiment (preliminary results)] Raveh J, et al. **Dtsch Zahnarztl Z** 1981 Oct;36(10):659-66 (Eng. Abstr.) **(Ger)**
[Long-term clinical experiences with needle implants in the edentulous mandible] Wagner W, et al.
Dtsch Zahnarztl Z 1982 Apr;37(4):377-80 (Eng. Abstr.) **(Ger)**

ADVERSE EFFECTS

[Clinical study to assess endosseous Al203-ceramic implants by periodontal criteria] Ehrl PA. **Dtsch Zahnarztl Z** 1981 Aug;36(8):500-4 (Eng. Abstr.) **(Ger)**
[Composite ceramic implants in the porcine jaw] Scheicher H, et al. **Dtsch Zahnarztl Z** 1981 Aug;36(8):493-9 (Eng. Abstr.) **(Ger)**
[Tübingen immediate implant in the anterior tooth area] Wahl G. **Dtsch Zahnarztl Z** 1981 Sep;36(9):596-8 **(Ger)**

INSTRUMENTATION

Al2O3-ceramic as material for dental implants: experimental and clinical study for the development of screw- and extension-implants. Ehrl PA, et al. **Int J Oral Surg** 1981; 10(Suppl 1):93-8
The influence of implant geometry on the stress distribution around dental implants. Cook SD, et al.
J Biomed Mater Res 1982 Jul;16(4):369-79
A three-dimensional finite element analysis of a porous rooted Co-Cr-Mo alloy dental implant. Cook SD, et al. **J Dent Res** 1982 Jan;61(1):25-9
Use of the mandibular staple bone plate with augmentation in bone grafts. Liposky RB. **J Oral Maxillofac Surg** 1982 Aug;40(8):527-31
Some advances in endosseous implants. Lavelle CL, et al. **J Oral Rehabil** 1981 Jun;8(4):319-31 (100 ref.)
Treatment of a resected and grafted mandible by mandibular staple implant. Solfanelli SX, et al. **J Oral Surg** 1981 Dec; 39(12):966-9
The single-crystal sapphire endosteal dental implant: material characteristics and 18-month experimental animal trials. McKinney RV Jr, et al. **J Prosthet Dent** 1982 Jan; 47(1):69-84
Development of a new endosseous dental implant. Part I: Animal studies. Weiss MB, et al. **J Prosthet Dent** 1981 Dec; 46(6):646-51
Development of a new endosseous dental implant. Part II: Human studies. Weiss MB, et al. **J Prosthet Dent** 1982 Jun; 47(6):633-45
[Human bone attachment to the Tübingen implant] Büsing CM, et al. **Dtsch Zahnarztl Z** 1981 Sep;36(9):563-6 (Eng. Abstr.) **(Ger)**
[Statistical results with Tübingen implant] d'Hoedt B, et al. **Dtsch Zahnarztl Z** 1981 Sep;36(9):551-62 (Eng. Abstr.) **(Ger)**
[Prior experience with the Tübingen immediate implant made of aluminum oxide ceramic] Fritzemeier CU, et al.
Dtsch Zahnarztl Z 1981 Sep;36(9):579-84 (Eng. Abstr.) **(Ger)**
[Single tooth implants made of aluminum oxide ceramic in the beagle lateral tooth area and for anterior tooth diastemata in the adolescent patient] Schluz P, et al.
Dtsch Zahnarztl Z 1981 Sep;36(9):599-606 (Eng. Abstr.) **(Ger)**
[Movement behavior to impact stimulation of the Tübingen implant compared to natural teeth] Scholz F.
Dtsch Zahnarztl Z 1981 Sep;36(9):567-70 (Eng. Abstr.) **(Ger)**
[Tübingen implant made of Frialit: 5 years of experience] Schulte W. **Dtsch Zahnarztl Z** 1981 Sep;36(9):544-50 (Eng. Abstr.) **(Ger)**
[Clinical trial experience with the Tübingen implant] Schwarz G, et al. **Dtsch Zahnarztl Z** 1981 Sep;36(9):607-8 **(Ger)**
[Stress distributions around a staged implant in a model trial and its comparison to simple basic forms] Soltész U, et al. **Dtsch Zahnarztl Z** 1981 Sep;36(9):571-8 (Eng. Abstr.) **(Ger)**
[Prior clinical experience with the Tübingen Frialit implant type] Wagner W, et al. **Dtsch Zahnarztl Z** 1981 Sep; 36(9):585-90 (Eng. Abstr.) **(Ger)**
[Clinical experience with endosseous aluminum oxide ceramic implants] Wörle M. **Dtsch Zahnarztl Z** 1981 Sep; 36(9):591-5 (Eng. Abstr.) **(Ger)**
[Clinical experiences with the ITI hollow cylinder implant] Ledermann D, et al.
SSO Schweiz Monatsschr Zahnheilkd 1981 May; 91(5):349-67 (Eng. Abstr.) **(Ger)**

METHODS

A 15-year study of osseointegrated implants in the treatment of the edentulous jaw. Adell R, et al. **Int J Oral Surg** 1981 Dec;10(6):387-416
A prosthodontic technique for the ramus endosseous frame implant. Davidson TJ, et al. **J Prosthet Dent** 1982 May; 47(5):535-8 (22 ref.)
[Restatement of the technic of intra-alveolar stabilizer pins] Forrer JM, et al. **SSO Schweiz Monatsschr Zahnheilkd** 1981 Jul;91(7):509-10 **(Fre)**
[Technic and indication for metal implants with the Pasqualini-Russo transcortical fixation] von Trotha U, et al. **Dtsch Zahnarztl Z** 1981 May;36(5):288-90 (Eng. Abstr.) **(Ger)**

DENTAL IMPLANTATION, ENDOSSEOUS, ENDODONTIC

[Endodontic endosseous dowel implant] Dietz G.
Dtsch Zahnarztl Z 1981 Apr;36(4):270-2 **(Ger)**

INSTRUMENTATION

Evaluation of the apical seal obtained with endodontic implant stabilizers and different cementing materials. Zmener O. **Oral Surg** 1981 Dec;52(6):635-40
[Wirz's implant screw for the lateral tooth area: a further development] Luzi C.
SSO Schweiz Monatsschr Zahnheilkd 1982 Mar;92(3):230-1 **(Ger)**

METHODS

[Splinting of transradicular implants using composite filling materials] Joób-Fancsaly G. **Fogorv Sz** 1981 Aug; 74(8):245-7 (Eng. Abstr.) **(Hun)**

DENTAL IMPRESSION MATERIALS

see related
SILICONE ELASTOMERS

Measurement of dimensional stability of elastomeric impression materials by holographic interferometry. Mincham W, et al. **Aust Dent J** 1981 Dec;26(6):395-9
The rheological properties of dental impression materials. McCabe JF, et al. **Br Dent J** 1981 Sep 15;151(6):179-83
Corrective impression waxes. A simple formula. McCrorie JW. **Br Dent J** 1982 Feb 2;152(3):95-6
An investigation of methods available for sterilising impressions. Storer R, et al. **Br Dent J** 1981 Oct 6; 151(7):217-9
Rheological studies of the polymerization of elastomeric impression materials. II. viscosity measurements. Cook WD. **J Biomed Mater Res** 1982 Jul;16(4):331-44
Rheological studies of the polymerization of elastomeric impression materials. I. Network structure of the set state. Cook WD. **J Biomed Mater Res** 1982 Jul;16(4):315-30
Rheological studies of the polymerization of elastomeric impression materials. III. Dynamic stress relaxation modulus. Cook WD. **J Biomed Mater Res** 1982 Jul; 16(4):345-57
The combined reversible hydrocolloid/irreversible hydrocolloid impression system: clinical application. Appleby DC, et al. **J Prosthet Dent** 1981 Jul;46(1):48-58
A laminated hydrocolloid impression for indirect inlays. Fusayama T, et al. **J Prosthet Dent** 1982 Feb;47(2):171-6
Technique for accurate rubber base impressions for fixed prosthodontics. Jamshidi M. **J Prosthet Dent** 1982 Mar; 47(3):265-8
Linear dimensional changes in addition curing silicone impression materials. Marcinak CF, et al.
J Prosthet Dent 1982 Apr;47(4):411-3
Differential accuracy of silicone-body and self-curing resin interocclusal records and associated weight loss. Millstein PL, et al. **J Prosthet Dent** 1981 Oct;46(4):380-4
Some effects of device versus handmixing of irreversible hydrocolloids. Reisbick MH, et al. **J Prosthet Dent** 1982 Jan;47(1):92-4
Absorption of fluoride following inhalation and ingestion of alginate impression materials. Hattab F.
Pharmacol Ther Dent 1981;6(3-4):79-86
[A new technic for shaping full integral crowns by polyaminoester oil pressure (author's transl)] Huang TZ. **Chung Hua Kou Chiang Ko Tsa Chih** 1981 Sep;16(3):163-4 **(Chi)**
[Effect of mechanical mixing on the setting behavior of elastic impression compounds] Hambrok HJ.
Dtsch Zahnarztl Z 1981;36(12):805-10 (Eng. Abstr.) **(Ger)**
[Adhesion of polysulfide rubber impression material to dental metals (author's transl)] Kawai T, et al.
Shika Rikogaku Zasshi 1982 Jan;23(61):40-6 (Eng. Abstr.)

(Jpn)

ADVERSE EFFECTS

[Hand burns caused by dental plaster] Møller-Larsen F, et al. **Ugeskr Laeger** 1981 Dec 7;143(50):3386-8 (Eng. Abstr.) (Dan)

PHARMACODYNAMICS

Effect of lead-containing elastic impression materials on whole blood lead levels. Saunders TR, et al. **J Prosthet Dent** 1982 Feb;47(2):209-11

STANDARDS

Permanent set and stress relaxation in elastomeric impression materials. Cook WD. **J Biomed Mater Res** 1981 Jul; 15(4):449-63

DENTAL IMPRESSION TECHNIC

A method of registering centric relation. Rosenberg ES, et al. **Isr J Dent Med** 1981 Feb;28(4):21-4

A question of surgical intervention [letter] Kaiser O. **J Am Dent Assoc** 1982 Feb;104(2):142

Impressions of unsupported movable tissues. Khan Z, et al. **J Am Dent Assoc** 1981 Oct;103(4):590-2

Identifying the denture space. Neill DJ, et al. **J Oral Rehabil** 1982 May;9(3):259-77

The combined reversible hydrocolloid/irreversible hydrocolloid impression system: clinical application. Appleby DC, et al. **J Prosthet Dent** 1981 Jul;46(1):48-58

An injection impression technique for palatal defects. Benington IC, et al. **J Prosthet Dent** 1982 Apr;47(4):414-8

Modified boxing technique for mandibular impressions. Broner AS, et al. **J Prosthet Dent** 1982 Apr;47(4):454-6

A laminated hydrocolloid impression for indirect inlays. Fusayama T, et al. **J Prosthet Dent** 1982 Feb;47(2):171-6

A quick technique for boxing impressions. MacPherson JH, et al. **J Prosthet Dent** 1982 Aug;48(2):220

Boxing technique for rubber base impressions. Mullick SC. **J Prosthet Dent** 1981 Oct;46(4):461-2

Technique for boxing an altered cast impression. Plummer KD. **J Prosthet Dent** 1982 May;47(5):573-5

Pressures involved in making upper edentulous impressions. Rihani A. **J Prosthet Dent** 1981 Dec;46(6):610-14

A modified impression technique for patients with interdental spacing. Winstanley RB. **J Prosthet Dent** 1982 Jan;47(1):107

Impression procedures in removable partial prosthetics. Lasoff M. **NY State Dent J** 1982 Jun-Jul;48(6):382-5

[A new technic for shaping full integral crowns by polyaminoester oil pressure (author's transl)] Huang TZ. **Chung Hua Kou Chiang Ko Tsa Chih** 1981 Sep;16(3):163-4 (Chi)

[Single and compressive impression technic for removable distal-extension partial dentures] Pezzoli M. **SSO Schweiz Monatsschr Zahnheilkd** 1981 May;91(5):323-8 (Eng. Abstr.) (Fre)

[Mucostatic impression and functional impression. A comparative study] Preti G, et al. **Minerva Stomatol** 1981 Nov-Dec;30(6):567-72 (Eng. Abstr.) (Ita)

INSTRUMENTATION

Systemic effects of epinephrine-impregnated retraction cord in fixed partial denture prosthodontics. Buchanan WT, et al. **J Am Dent Assoc** 1982 Apr;104(4):482-4 (33 ref.)

Biometric trays for complete denture construction. Watt DM. **J Dent** 1981 Jun;9(2):126-32

Technique for accurate rubber base impressions for fixed prosthodontics. Jamshidi M. **J Prosthet Dent** 1982 Mar; 47(3):265-8

Linear dimensional change of acrylic resins used in the fabrication of custom trays. Pagniano RP, et al. **J Prosthet Dent** 1982 Mar;47(3):279-83

Some effects of device versus handmixing of irreversible hydrocolloids. Reisbick MH, et al. **J Prosthet Dent** 1982 Jan;47(1):92-4

Dowel pin positioning technique for fixed partial denture working casts. Robinson FB, et al. **J Prosthet Dent** 1981 Aug;46(2):215-6

[Effect of mechanical mixing on the setting behavior of elastic impression compounds] Hambrok HJ. **Dtsch Zahnarztl Z** 1981;36(12):805-10 (Eng. Abstr.) (Ger)

[Materials for individual impression trays] Wirz J. **SSO Schweiz Monatsschr Zahnheilkd** 1982 Mar; 92(3):207-11 (Eng. Abstr.) (Ger)

[Functional impression, using individual trays, for the restoration of partially edentulous jaws] Szóke A, et al. **Fogorv Sz** 1981 Apr;74(4):122-4 (Eng. Abstr.) (Hun)

DENTAL INLAYS see INLAYS

DENTAL INSTRUMENTS

Efficiency of mechanical trituration of amalgam. III. Practical comparisons. Darvell BW. **Aust Dent J** 1981 Aug; 26(4):236-43

Pen and instrument grips and clinical performance in dental students. Makinson OF, et al. **Aust Dent J** 1982 Apr; 27(2):86-90

Sterilisation of dental instruments [letter] Dowell TB, et al. **Br Dent J** 1982 Mar 16;152(6):188

Cutting efficiency of carbide burs on two composite resins. King DR, et al. **Can Dent Assoc J** 1982 Apr;48(4):263-5

Location of broken instrument fragments. Ruprecht A, et al. **Can Dent Assoc J** 1981 Apr;47(4):245

The copper band for matricing problems. St Arnault FD, et al. **Can Dent Assoc J** 1982 Mar;48(3):194-7

Reduction of contamination on the dental explorer. D'Hondt DG, et al. **J Am Dent Assoc** 1982 Mar;104(3):329-30

Status report: dental visible light-curing units. Council on Dental Materials, Instruments, and Equipment. Mills LF. **J Am Dent Assoc** 1982 Apr;104(4):505

The microbiologic cross-contamination of dental prostheses. Kahn RC, et al. **J Prosthet Dent** 1982 May;47(5):556-9

A method for making matrix material dead soft. Re GJ. **J Prosthet Dent** 1981 Aug;46(2):224

A retainerless matrix for amalgam restorations. Strassler HE, et al. **J Prosthet Dent** 1982 Apr;47(4):387-9

Intraoral stabilization of the endotracheal tube using a dental rubber-dam clamp. Edelstein G, et al. **Plast Reconstr Surg** 1982 Jul;70(1):96-7

[Effect of epinephrine-containing retraction cords on pulse and blood pressure: a clinical study] Boitel AE, et al. **SSO Schweiz Monatsschr Zahnheilkd** 1981 Nov; 91(11):921-31 (Eng. Abstr.) (Ger)

[Studies on the performance of the dental air turbine handpieces. (Part 4) Analysis of the rotational performance of air turbine handpieces (N = N0 - CvFv gamma (author's transl)] Miyairi H, et al. **Shika Rikogaku Zasshi** 1981 Apr; 22(58):136-42 (Eng. Abstr.) (Jpn)

[Studies on the performance of the dental air turbine handpieces. (Part 6) Investigation on the power of several air turbine handpieces (N = No-CvEv gamma) (author's transl)] Miyairi H, et al. **Shika Rikogaku Zasshi** 1982 Jan; 23(61):58-64 (Eng. Abstr.) (Jpn)

[Set of instruments for preparing dental prostheses using porcelain compounds] Demner LM, et al. **Med Tekh** 1982 May-Jun;(3):50-1 (Rus)

[PS-60 dental gun] Fink IuF. **Med Tekh** 1982 May-Jun; (3):54-5 (Rus)

[New diamond bits for orthodontics] Menekeev KhS, et al. **Med Tekh** 1982 May-Jun;(3):12-4 (Rus)

[Current status of the development and manufacture of dental instruments] Sabitov VKh. **Med Tekh** 1982 May-Jun; (3):9-12 (Rus)

[K-1 set for equipping the dentist's work area] Shevliakov GD. **Med Tekh** 1982 May-Jun;(3):47-9 (Rus)

[Device for attaching the BI-8 dental injector] Gurfinkel' LN. **Stomatologiia (Mosk)** 1982 Mar-Apr;(2):72-3 (Rus)

[Method of preparing an individual spoon] Mel'nichuk PI. **Stomatologiia (Mosk)** 1982 Mar-Apr;(2):74-5 (Rus)

ADVERSE EFFECTS

A comparison of gingival inflammation related to retraction cords. de Gennaro GG, et al. **J Prosthet Dent** 1982 Apr; 47(4):384-6

[Study on handling of broken instruments in root canal. Study on distribution of metal in the teeth treated by iontophoresis with transparent specimens (author's transl)] Yazaki M, et al. **Kokubyo Gakkai Zasshi** 1981 Dec;48(4):344-52 (Eng. Abstr.) (Jpn)

ECONOMICS

Dental equipment price index, 1970 to 1981. Bureau of Economic and Behavioral Research. Loewy S. **J Am Dent Assoc** 1982 May;104(5):678-80

HISTORY

Dentistry on stamps. Loevy HT, et al. **J Am Dent Assoc** 1982 Jun;104(6):890

STANDARDS

Revised American National Standards Institute/American Dental Association specification no. 28 for root canal files and reamers, type K. Council on Dental Materials, Instruments, and Equipment. **J Am Dent Assoc** 1982 Apr; 104(4):506

Revised American National Standards Institute/American Dental Association specification no. 23 for dental excavating burs. **J Am Dent Assoc** 1982 Jun;104(6):887-8

[Studies on the performance of the dental air turbine handpieces. (Part 5) Rotational performance of various kinds of dental air turbine handpieces (N = N0--CvFv gamma) (author's transl)] Miyairi H, et al. **Shika Rikogaku Zasshi** 1981 Oct;22(60):262-70 (Eng. Abstr.) (Jpn)

[The number of root canal instruments and an evaluation of reuse. The number of file fractures in a general practice during a 5-year period] Frigstad V. **Nor Tannlaegeforen Tid** 1981 Dec;91(15):525-6 (Nor)

[Hardening of dental instruments] Gerasev GP. **Med Tekh** 1981 Sep-Oct;(5):38-40 (Eng. Abstr.) (Rus)

[Testing method for diamond bits for orthodontics] Menekeev KhS, et al. **Med Tekh** 1982 May-Jun;(3):14-6 (Rus)

TRENDS

[Prospects for dental instrumentation development] Valeev BA, et al. **Med Tekh** 1981 Sep-Oct;(5):14-5 (Rus)

UTILIZATION

[Determining the demand for medical instruments for dentistry] Musin Ala, et al. **Med Tekh** 1982 May-Jun; (3):40-2 (Rus)

DENTAL MATERIALS

see related BONDING, DENTAL

Bacterial growth on dental restorative materials in mucosal contact. Orstavik D, et al. **Acta Odontol Scand** 1981; 39(5):267-74

Evaluation of fluids' effect on dental composite. Sung P, et al. **Biomater Med Devices Artif Organs** 1982;10(1):1-8

Measurement of strain rate behaviour in complete mandibular dentures. Ahmad R, et al. **Biomaterials** 1982 Apr;3(2):87-92

Stress relaxation and creep behaviour of normal and carbon fibre reinforced acrylic bone cement. Pal S, et al. **Biomaterials** 1982 Apr;3(2):93-6

Effects of temperature on mechanical properties of composite dental restorative materials. Draughn RA. **J Biomed Mater Res** 1981 Jul;15(4):489-95

The promotion of adhesion by the infiltration of monomers into tooth substrates. Nakabayashi N, et al. **J Biomed Mater Res** 1982 May;16(3):265-73

The evaluation of new dental resins prepared with polyfunctional methacrylate monomers. Suzuki S, et al. **J Biomed Mater Res** 1982 May;16(3):275-87

Dental materials: 1979 literature review. Part I. Brown D, et al. **J Dent** 1981 Sep;9(3):177-209 (199 ref.)

Dental materials: 1979 literature review. Part II. Brown D, et al. **J Dent** 1981 Dec;9(4):271-98 (157 ref.)

Basic techniques and materials for conservative dentistry. 2. Recent advances in restorative materials. Jacobsen PH, et al. **J Dent** 1981 Jun;9(2):95-100 (19 ref.)

The surface roughness of restorative materials and dental tissues after polishing with prophylaxis and polishing pastes. Roulet JF, et al. **J Periodontol** 1982 Apr; 53(4):257-66

A comparative evaluation of three post and core techniques. Hoag EP, et al. **J Prosthet Dent** 1982 Feb;47(2):177-81

A simplified method for testing the accuracy of interocclusal recording media. Millstein PL. **J Prosthet Dent** 1981 Jul; 46(1):107

A method for making matrix material dead soft. Re GJ. **J Prosthet Dent** 1981 Aug;46(2):224

Smoke stain accumulation on restorative dental materials and hard tooth tissues after polishing with prophylaxis pastes. Roulet-Mehrens T, et al. **SSO Schweiz Monatsschr Zahnheilkd** 1982 May; 92(5):487-96

Standardization of clinical investigators for studies of restorative materials. Ryge G, et al. **Swed Dent J** 1981; 5(5-6):235-9

[On the use of polyoxymethylene in dentistry (author's transl)] Liu BQ. **Chung Hua Kou Chiang Ko Tsa Chih** 1981 Jun;16(2):104-6 (Chi)

[Technics for the rational use of composite adhesives in conservative dentistry] Cambray JC, et al. **Rev Odontostomatol (Paris)** 1982 Jan-Feb;11(1):33-42 (Fre)

[Clinical trial of 2 composite filling materials based on ISO (International Standardization Organization) requirements] Birk G, et al. **Dtsch Zahnarztl Z** 1981 Oct;36(10):641-7 (Eng. Abstr.) (Ger)

[Effect of filling materials and silanization methods on the strength and marginal splitting behavior of experimental composites] Dermann K, et al. **Dtsch Zahnarztl Z** 1982 Feb;37(2):160-3 (Eng. Abstr.) (Ger)

[Uncertainties in the testing of photopolymers] Reinhardt KJ, et al. **Dtsch Zahnarztl Z** 1981 Oct;36(10):635-40 (Eng. Abstr.) (Ger)

[Polymerization behavior of composites in contact with high polymers as foil and molding materials] Reinhardt KJ, et al. **Dtsch Zahnarztl Z** 1981;36(12):811-5 (Eng. Abstr.) (Ger)

[Biological proof of filling materials in the Götting miniature pig - a pilot study] Schmalz G. **Dtsch Zahnarztl Z** 1981 Jun;36(6):357-60 (Eng. Abstr.) (Ger)

[Food abrasion of filling materials. Simulation in a model experiment] Soltész U, et al. **Dtsch Zahnarztl Z** 1981 Oct; 36(10):648-51 (Ger)

[Depth of polymerisation of photopolymerizing filling plastics] Viohl J. **Dtsch Zahnarztl Z** 1982 Feb;37(2):194-6 (Eng. Abstr.) (Ger)

[Cinematic analysis of the capsule and material to be mixed in mixing units for dental materials using high-speed film] Welker D. **Zahn Mund Kieferheilkd** 1981;69(7):571-83 (Eng. Abstr.) (Ger)

[Sand blast polish and its problems] Nishimura F. **Kokubyo Gakkai Zasshi** 1981 Sep;48(3):306 (Jpn)

[Japanese and foreign literature on dental apparatus and materials, XXII. 1980] **Shika Rikogaku Zasshi** 1981 Oct; 22(60):323-57 (Jpn)

[Determination of hydrophobic parameters (log PHPLC) for methacrylates, initiators and miscellaneous compounds used in dentistry by high-performance liquid chromatography (HPLC) (author's transl)] Fujisawa S, et al. **Shika Rikogaku Zasshi** 1981 Oct;22(60):277-84 (Eng. Abstr.) (Jpn)

[Studies on sintering of dental porcelain. (Part 2) Binary system sintering of quartz and low fusing frit (author's

transl)] Kuwayama N, et al. **Shika Rikogaku Zasshi** 1982 Jan;23(61):12–8 (Eng. Abstr.) **(Jpn)**

[Study on inorganic material activated with polyacrylic acid – heat treatment property of wollastonite –] Takahashi M, et al. **Shika Rikogaku Zasshi** 1981 Apr;22(58):109–13 (Eng. Abstr.) **(Jpn)**

[Clinical evaluation of fillings made of polymeric materials] Davidovich TP, et al. **Stomatologiia (Mosk)** 1981 Sep–Oct; 60(5):28–30 (Eng. Abstr.) **(Rus)**

[Clinical stages in the preparation of metal–ceramic prostheses using Soviet materials and instruments] Glazov OD, et al. **Stomatologiia (Mosk)** 1982 May–Jun;61(3):57–9 (Eng. Abstr.) **(Rus)**

[Technological stages in preparing metal–ceramic prostheses using Soviet materials, instruments and equipment] Lobanov IF. **Stomatologiia (Mosk)** 1982 May–Jun; 61(3):59–62 (Eng. Abstr.) **(Rus)**

[Changes in the properties of a bacryl base material in a model environment] Sydygaliev K. **Stomatologiia (Mosk)** 1982 Mar–Apr;(2):59–60 (Eng. Abstr.) **(Rus)**

[Analysis of physico–optic behavior of dental prostheses under various light intensities] Branovački D, et al. **Med Pregl** 1980;33(11–12):505–7 (Eng. Abstr.) **(Scr)**

ADVERSE EFFECTS

Alloys for crown and bridgework. Brockhurst PJ, et al. **Aust Dent J** 1981 Oct;26(5):287–94

Formaldehyde in dentistry: a review of mutagenic and carcinogenic potential. Lewis BB, et al. **J Am Dent Assoc** 1981 Sep;103(3):429–34 (115 ref.)

[Effect of different composites and amalgam on the gingiva] Samaha NS. **Dtsch Zahnarztl Z** 1982 Apr;37(4):339–43 **(Ger)**

ANALYSIS

[Clinical and materials testing studies of worn plastic fillings. A pilot study] Venz S. **Dtsch Zahnarztl Z** 1982 Feb; 37(2):164–8 (Eng. Abstr.) **(Ger)**

PHARMACODYNAMICS

Mutagenic potential of orthodontic bonding materials. Fredericks HE. **Am J Orthod** 1981 Sep;80(3):316–24

Identification of significant variables for pulpal reactions to dental materials. Qvist V, et al. **J Dent Res** 1982 Jan; 61(1):20–4

[Characteristics of the adhesion to dental tissues of evicrol filling material based on scanning electron microscopic data] Doinikov AI, et al. **Stomatologiia (Mosk)** 1981; 60(4):13–5 (Eng. Abstr.) **(Rus)**

STANDARDS

A status report on resilient denture base materials. Council on dental materials, instruments, and equipment. **J Am Dent Assoc** 1981 Sep;103(3):450–1

Dental products accepted/certified by the Council on Dental Materials, Instruments, and Equipment and the council on Dental Therapeutics. **J Am Dent Assoc** 1981 Nov; 103(5):813–33

TOXICITY

A comparison of the in vitro cytotoxicity of four restorative materials assessed by changes in enzyme levels in two cell types. Meryon SD, et al. **J Biomed Mater Res** 1982 Jul; 16(4):519–28

[Correlation analyses between cell cultures and animal experiments] Schmalz G. **Dtsch Zahnarztl Z** 1982 Feb; 37(2):184–6 (Eng. Abstr.) **(Ger)**

DENTAL MEDICAID PROGRAM see under **MEDICAL ASSISTANCE, TITLE 19**

DENTAL MODELS

A technique for quadrant interocclusal records. Adams HF. **J Prosthet Dent** 1982 Jan;47(1):44–6

Measurement of paint–on die spacers used for casting relief. Campagni WV, et al. **J Prosthet Dent** 1982 Jun; 47(6):606–11

Remount casts for removable partial dentures. Fiebiger GE, et al. **J Prosthet Dent** 1982 Jul;48(1):106–7

Die alteration to provide adequate occlusal clearance. Jordan RD, et al. **J Prosthet Dent** 1982 May;47(5):570–2

Relative accuracy of four removable die systems. Myers M, et al. **J Prosthet Dent** 1982 Aug;48(2):163–5

Producing accurate removable dies from elastic full arch impressions. Tanquist RA, et al. **J Prosthet Dent** 1982 Aug; 48(2):210–4

Positioning dowel pins for removable dies. Troendle KB, et al. **J Prosthet Dent** 1981 Nov;46(5):575–8

Esthetic feasibility study using a labial index. Williams HA, et al. **J Prosthet Dent** 1982 Jun;47(6):616–9

[Clinical application of acrylic resin for casting mould (author's transl)] Zhao YF. **Chung Hua Kou Chiang Ko Tsa Chih** 1981 Dec;16(4):203–5 **(Chi)**

[3–dimensional representation of the movement of single points of a jaw model in the articulator] Köber E, et al. **Dtsch Zahnarztl Z** 1981 Aug;36(8):462–6 (Eng. Abstr.) **(Ger)**

[Accuracy of the mold and model in making inlays] Rehberg HJ, et al. **Dtsch Zahnarztl Z** 1981 May;36(5):333 **(Ger)**

[Stereophotogrammetric method of studying models of the jaws and face] Pankrat'ev IuN, et al. **Stomatologiia (Mosk)** 1981 Sep–Oct;60(5):72–4 (Eng. Abstr.) **(Rus)**

STANDARDS

Effect on dimensional accuracy when reattaching fractured lone standing teeth of a cast. Hanson JG, et al. **J Prosthet Dent** 1982 May;47(5):488–92

DENTAL OCCLUSION

see related
JAW RELATION RECORD
MALOCCLUSION

The effect of a partial bite raising splint on the occlusal face height. An x–ray cephalometric study in human adults. Dahl BL, et al. **Acta Odontol Scand** 1982;40(1):17–24

Stability and relapse of mandibular anterior alignment–first premolar extraction cases treated by traditional edgewise orthodontics. Little RM, et al. **Am J Orthod** 1981 Oct; 80(4):349–65

Helicoidal plane of dental occlusion. Osborn JW. **Am J Phys Anthropol** 1982 Mar;57(3):273–81

Occlusion and arch size in families. A principal components analysis. Harris EF, et al. **Angle Orthod** 1982 Apr; 52(2):135–43

The precision of measurement and the stability of the preferred vertical dimension of occlusion in man. Broekhuijsen ML, et al. **Arch Oral Biol** 1982;27(6):487–91

Effect of bite force on the power spectrum of the surface electromyogram of human jaw muscles. Palla S, et al. **Arch Oral Biol** 1981;26(4):287–95

A quantitative comparison of the ultrastructure of the periodontal ligaments of impeded and unimpeded rat incisors. Shore RC, et al. **Arch Oral Biol** 1982;27(5):423–30

Occlusion and restorative dentistry for the general practitioner. Part 1––Preliminary considerations and examination procedure. Wise MD. **Br Dent J** 1982 Feb 16;152(4):117–22

Occlusion and restorative dentistry for the general practitioner. Part 2––Examination of the occlusion and fabrication of study casts. Wise MD. **Br Dent J** 1982 Mar; 152(5):160–5

Occlusion and restorative dentistry for the general practitioner. Part 3––The clinical significance of the examination findings. Wise MD. **Br Dent J** 1982 Mar 16; 152(6):197–202

Occlusion and restorative dentistry for the general practitioner. Part 5–Principles and types of articulators and techniques for recording jaw positions–'jaw registration. Wise MD. **Br Dent J** 1982 Apr 20;152(8):277–87

Occlusion and restorative dentistry for the general practitioner. Part 7––Cast gold and porcelain posterior restorations. Wise MD. **Br Dent J** 1982 May 18; 152(10):347–54

Occlusion and restorative dentistry for the general practitioner. Part 4––The clinical significance of the examination findings. Wise MD. **Br Dent J** 1982 Apr 6; 152(7):235–41

Occlusion and restorative dentistry for the general practitioner. Part 8––Cast and porcelain multiple posterior restorations. Wise MD. **Br Dent J** 1982 Jun 1;152(11):381–5

A comparison of various facial and occlusal characteristics in mature individuals, with vertical and horizontal growth direction expressed at the chin. Lundström A, et al. **Eur J Orthod** 1981;3(4):227–35

Occlusion and myofascial pain dysfunction: is there a relationship? Clarke NG. **J Am Dent Assoc** 1982 Apr; 104(4):443–6 (36 ref.)

Variance of occlusion traits in twins. Potter RH, et al. **J Craniofac Genet Dev Biol** 1981;1(2):217–27

Recent results concerning physiological tooth movement and anterior guidance. Siebert G. **J Oral Rehabil** 1981 Nov; 8(6):479–93

A technique for quadrant interocclusal records. Adams HF. **J Prosthet Dent** 1982 Jan;47(1):44–6

Occlusal forces during chewing––influences of biting strength and food consistency. Gibbs CH, et al. **J Prosthet Dent** 1981 Nov;46(5):561–7

Two–dimensional study of the neutral zone at different occlusal vertical heights. Khamis M, et al. **J Prosthet Dent** 1981 Nov;46(5):484–9

Effect of occlusal recorstruction on the reproducibility of chewing movements. Wood WW, et al. **J Prosthet Dent** 1981 Aug;46(2):181–4

Development of occlusion and malocclusion. Smith RJ. **Pediatr Clin North Am** 1982 Jun;29(3):475–501 (167 ref.)

Craniofacial growth and the dentition. Williams RE, et al. **Pediatr Clin North Am** 1982 Jun;29(3):503–22 (158 ref.)

Occlusal changes in the deciduous dentition of a series of Finnish children. Nyström M. **Proc Finn Dent Soc** 1981; 77(5):288–95

Postural and maximal activity in elevators of mandible before and after treatment of functional disorders. Sheikholeslam A, et al. **Scand J Dent Res** 1982 Feb;90(1):37–46

Mandibular growth, temporomandibular joint changes and dental occlusion in juvenile rheumatoid arthritis. A 17–year follow–up study. Larheim TA, et al. **Scand J Rheumatol** 1981;10(3):225–33

[Physiological and pathological factors of tooth mobility] vanSteenberghe D. **Rev Belge Med Dent** 1982 May; 37(3):83–4 **(Dut)**

[Facial pain in relation to mastication, physiopathology of dental occlusion] Frère F, et al. **Rev Med Liege** 1982 Apr 15;37(8):268–73 **(Fre)**

[Proposal for a new centering technique in sagittal cephalometry] Jalwan A. **Rev Odontostomatol (Paris)** 1981 Nov–Dec;10(6):457–65 **(Fre)**

[Ground occlusal facets and the pathological findings in the masticatory system of young patients] Holste T, et al. **Dtsch Zahnarztl Z** 1982 Feb;37(2):173–5 (Eng. Abstr.) **(Ger)**

[3–dimensional representation of the movement of single points of a jaw model in the articulator] Köber E, et al. **Dtsch Zahnarztl Z** 1981 Aug;36(8):462–6 (Eng. Abstr.) **(Ger)**

[Neutral anterior intercuspation study] Kubein D, et al. **Dtsch Zahnarztl Z** 1982 Jun;37(6):479–81 **(Ger)**

[Relations between the depth of the bite and the length of the face] Cassarino G, et al. **Minerva Stomatol** 1981 Nov–Dec;30(6):601–4 (Eng. Abstr.) **(Ita)**

[Occlusion and rehabilitation. Recent progress and developments] Mongini F, et al. **Minerva Stomatol** 1981 Sep–Oct;30(5):345–68 (Eng. Abstr.) **(Ita)**

[Influence of the supporting point on occlusal forces and masticatory muscle activities (author's transl)] Iso K. **Kokubyo Gakkai Zasshi** 1982 Mar;49(1):168–90 (Eng. Abstr.) **(Jpn)**

[Morphological study on the occlusal facet of the tooth (author's transl)] Yamamoto A. **Kokubyo Gakkai Zasshi** 1982 Mar;49(1):73–102 (Eng. Abstr.) **(Jpn)**

[Tongue and perioral muscle pressure normally and in sagittal bite anomalies] Abolmasov NG, et al. **Stomatologiia (Mosk)** 1981 Nov–Dec;60(6):41–3 (Eng. Abstr.) **(Rus)**

[Strength of the muscles of the maxillofacial area in physiological bite in preschool children] Molokov VD. **Stomatologiia (Mosk)** 1981;60(4):55–6 (Eng. Abstr.) **(Rus)**

[Device for determining the angle of inclination of the interalveolar lines] Rabovil MI. **Stomatologiia (Mosk)** 1981 Sep–Oct;60(5):59–61 (Eng. Abstr.) **(Rus)**

DENTAL OCCLUSION, BALANCED

Effects of occlusal treatment and intraarticular injections on temporomandibular joint pain and dysfunction. Kopp S, et al. **Acta Odontol Scand** 1981;39(2):87–96

Occlusion and restorative dentistry for the general practitioner. Wise MD. **Br Dent J** 1982 May 4; 152(9):316–22

Occlusion and restorative dentistry for the general practitioner. Wise MD. **Br Dent J** 1982 Jun 15; 152(12):407–13

Occlusal therapy of neuromuscular problems in the orofacial region. Gausch K. **Int Dent J** 1981 Dec;31(4):267–72

Masticatory muscle activity before and after elimination of balancing side occlusal interference. Ingervall B, et al. **J Oral Rehabil** 1982 May;9(3):183–92

Attaining harmonic occlusion through visualized strain analysis. Dawson PE, et al. **J Prosthet Dent** 1981 Dec; 46(6):615–22

A modified functionally generated path technique for making maxillary posterior ceramometal restorations. Kafandaris NM. **J Prosthet Dent** 1981 Jul;46(1):29–31

The Hardy chew–in technique: a modified procedure. McDermott IG, et al. **J Prosthet Dent** 1982 Aug; 48(2):202–5

Combined method to determine the therapeutic position for occlusal rehabilitation. Mongini F. **J Prosthet Dent** 1982 Apr;47(4):434–9

Occlusal analysis for fixed–removable rehabilitation. Murphy GJ, et al. **J Prosthet Dent** 1981 Oct;46(4):454–7

Functionally generated amalgam paths for complete dentures. Shiba A, et al. **J Prosthet Dent** 1981 Nov;46(5):494–7

Acid–etch canine riser occlusal treatment. Thayer KE, et al. **J Prosthet Dent** 1981 Aug;46(2):149–52

Determination of the physiologic equilibrium point of the mandible by electronic means. Tradowsky M, et al. **J Prosthet Dent** 1982 Jul;48(1):89–98

Remounting multiple casting prior to final cementation. Walker PM. **J Prosthet Dent** 1981 Aug;46(2):145–8

DENTAL OCCLUSION, CENTRIC

A method of registering centric relation. Rosenberg ES, et al. **Isr J Dent Med** 1981 Feb;28(4):21–4

The instantaneous hinge axis – its reproducibility and use as an indicator for dysfunction. Lupkiewicz SM, et al. **J Dent Res** 1982 Jan;61(1):2–7

A comparison of centric relation with maximum intercuspation based on quantitative electromyography. Buxbaum JD, et al. **J Oral Rehabil** 1982 Jan;9(1):45–51

Muscles involved in voluntary mandibular retrusion in man. Duthie N, et al. **J Oral Rehabil** 1982 Mar;9(2):155–9

Analysis of the mandibular relationship of TMJ dysfunction patients using the Mandibular Kinesiograph.. Maruyama T, et al. **J Oral Rehabil** 1982 May;9(3):217–23

Comparison of retruded axis articular mountings with and without applied muscular force. Teo CS, et al. **J Oral Rehabil** 1981 Jun;8(4):363–76

The swallowing position as a centric relation record. Abdel–Hakim AM. **J Prosthet Dent** 1982 Jan;47(1):12–5

A study of occlusal relationships and the incidence of myofacial pain. Graham MM, et al. **J Prosthet Dent** 1982 May;47(5):549–55
Mandibular stabilization prosthesis. Hartman GE, et al. **J Prosthet Dent** 1982 Aug;48(2):215–9
Analysis and correction of condylar displacement of the TMJ. Kruger BM, et al. **J Prosthet Dent** 1982 Jun; 47(6):646–53
Stabilized interocclusal centric relation records utilizing acrylic resin indexes. Luebke RJ. **J Prosthet Dent** 1981 Jul;46(1):102–4
Centric relation records–historical review. Myers ML. **J Prosthet Dent** 1982 Feb;47(2):141–5
Anatomic study of condylar position at maximum intercuspation. Preti G, et al. **J Prosthet Dent** 1982 Apr; 47(4):445–8
Clinical evaluation of methods used in locating the mandibular hinge axis. Razek A. **J Prosthet Dent** 1981 Oct; 46(4):369–73
Graphic description of figure representation of the teeth and mandible in centric occlusion. Tsao DH. **J Prosthet Dent** 1982 Jan;47(1):95–100
Simultaneous registration of centric relation and vertical dimension of occlusion. Davis DJ. **NY State Dent J** 1982 Jun–Jul;48(6):386–7
[Indications and applications in preprosthetic occlusional adjustments] Latino H, et al. **Rev Belge Med Dent** 1982 May;37(3):86–90 **(Fre)**
[Clinical experiments with the Quick Analyzer and the Dr. Robert Lee Panadent articulator] Mani G, et al. **SSO Schweiz Monatsschr Zahnheilkd** 1981 Jun;91(6):419–38 (Eng. Abstr.) **(Fre)**
[Therapeutic grinding–in of the masticatory surface based on functional analysis using an articulator] Fazekas A, et al. **Fogorv Sz** 1981 Apr;74(4):101–4 (Eng. Abstr.) **(Hun)**
[Occlusal coloring devices in dentistry] Szentpétery A. **Fogorv Sz** 1981 Sep;74(9):263–6 **(Hun)**
[Thoughts on the meaning of our technical terms: centric occlusion] Szentpétery J. **Fogorv Sz** 1981 Jul;74(7):193–5 **(Hun)**

STANDARDS

Studies on the validity of the terminal hinge axis. Beard CC, et al. **J Prosthet Dent** 1981 Aug;46(2):185–91

DENTAL OCCLUSION, TRAUMATIC

COMPLICATIONS

Periodontium and occlusal disorders in rats with experimental arteriosclerosis. A histological study. Lassila V, et al. **Acta Odontol Scand** 1982;40(2):97–101
Oral bleeding due to traumatic occlusion in an infant with severe hemophilia. Mann JM, et al. **ASDC J Dent Child** 1981 Jul–Aug;48(4):289–91
Juvenile periodontitis – healing following therapy to control inflammatory and traumatic etiologic components of the disease. Evian CI, et al. **J Clin Periodontol** 1982 Jan; 9(1):1–21
Significance of occlusion in the etiology and treatment of early, moderate, and advanced periodontitis. Ramfjord SP, et al. **J Periodontol** 1981 Sep;52(9):511–7 (80 ref.)
Occlusion and periodontal disease [letter] Ross IF. **J Periodontol** 1982 Jan;53(1):49
[Role of traumatogenic occlusion in the evolution of periodontitis] Hitzig C, et al. **Rev Odontostomatol (Paris)** 1981 Jan–Feb;10(1):23–7 **(Fre)**

PHYSIOPATHOLOGY

Masticatory muscle activity before and after elimination of balancing side occlusal interference. Ingervall B, et al. **J Oral Rehabil** 1982 May;9(3):183–92
The effect of excessive occlusal trauma upon periodontal healing after replantation of mature permanent incisors in monkeys. Andreasen J. **Swed Dent J** 1981;5(3):115–22

THERAPY

Tooth mobility measurements following two methods of eliminating nonworking side occlusal interferences. Moozeh MB, et al. **J Clin Periodontol** 1981 Oct;8(5):424–30
Using removable partial dentures to stabilize teeth with secondary occlusal traumatism. Becker CM, et al. **J Prosthet Dent** 1982 Jun;47(6):587–94

DENTAL OFFICES

Mercury in the dental work-place: an assessment of the health hazard and safeguards. de Freitas JF. **Aust Dent J** 1981 Jun;26(3):156–61
Building a dental practice. Part 2-services. Willard PJ. **Br Dent J** 1981 Sep 15;151(6):195
Building a dental practice. Part 3—Detailed planning of surgeries. Willard PJ. **Br Dent J** 1981 Oct 6;151(7):231–3
The visual feel in a dental practice. Ellis JM. **Dent Clin North Am** 1981 Oct;25(4):621–5
Relocating the dental office. Hochman RM. **Dent Clin North Am** 1981 Oct;25(4):615–20
Practicing at more than one location. Kleinman B. **Dent Clin North Am** 1981 Oct;25(4):611–4
The shopping center dental office. Nusbaum AH. **Dent Clin North Am** 1981 Oct;25(4):595–9
The all-important versatile telephone. Schlossberg A. **Dent Clin North Am** 1981 Oct;25(4):725–30
The home-office combination. Schlossberg S. **Dent Clin North Am** 1981 Oct;25(4):601–5
Leases. Segal RM. **Dent Clin North Am** 1981 Oct; 25(4):627–36
Auxiliary turnover in 13 dental offices. Bader JD. **J Am Dent Assoc** 1982 Mar;104(3):307–12
Nitrous oxide waste gas in the pedodontic operatory. Badger G, et al. **J Am Dent Assoc** 1982 Apr;104(4):480–1
Mercury vapor exposure in the dental office does carpeting make a difference? Kantor ML, et al. **J Am Dent Assoc** 1981 Sep;103(3):402–7
Reducing mercury exposure in the dental office [letter] Korwin R. **J Am Dent Assoc** 1982 Feb;104(2):138, 140
Pain in clinical and laboratory contexts. Dworkin SF, et al. **J Dent Res** 1982 Jun;61(6):772–4
The concentration of waste anaesthetic agents in dental surgeries. Darby FW. **NZ Dent J** 1981 Oct;77(350):153–5
[Noise as a source of hazard (even) in dental work areas? II. Noise level measurements in dental work and training areas] Mayer R, et al. **Dtsch Zahnarztl Z** 1981 May; 36(5):291–8 (Eng. Abstr.) **(Ger)**
[Determination of the need of polyclinic departments and offices for dental equipment] Solov'ev SA, et al. **Med Tekh** 1982 May–Jun;(3):38–40 (Eng. Abstr.) **(Rus)**

DENTAL PAPILLA see under **TOOTH GERM**

DENTAL PINS

A method of re-aligning bent pin-burs [letter] Hogan TP. **Br Dent J** 1982 Jun 1;152(11):371
Slots vs pins: a comparison of retention under simulated chewing stresses. Outhwaite WC, et al. **J Dent Res** 1982 Feb;61(2):400–2
Restoration of devitalized posterior tooth with a pin-retained onlay. Loeb H, et al. **J Prosthet Dent** 1981 Oct;46(4):408–10
Dowel pin positioning technique for fixed partial denture working casts. Robinson FB, et al. **J Prosthet Dent** 1981 Aug;46(2):215–6

DENTAL PLAQUE

The effect of media containing sucrose and its constituent monosaccharides on the ability of streptococci to form dental plaque-like deposits on nichrome steel wire in vitro. Dummer PM, et al. **Arch Oral Biol** 1981;26(5):453–5
[Comments relative to 'plaque'] Held AJ. **SSO Schweiz Monatsschr Zahnheilkd** 1981 Jun;91(6):442–3 **(Fre)**
[Fluorine as an inhibitor of dental plaque] Haimovici A, et al. **Rev Med Chir Soc Med Nat Iasi** 1981 Apr–Jun; 85(2):371–2 **(Rum)**

ANALYSIS

Fluoride concentration in dental plaque of naval recruits with and without caries. Gaugler RW, et al. **Arch Oral Biol** 1982;27(3):269–72
Gas-liquid chromatographic analysis of amino acids in pellicle formed on tooth surface and plastic film in vivo. Oste R, et al. **Arch Oral Biol** 1981;26(8):635–41
Correlations between fluoride concentration, sample weight and acid production in dental plaque from children. Rugg-Gunn AJ, et al. **Arch Oral Biol** 1981;26(1):61–3
Electrophoretic and immunoelectrophoretic studies of proteins in the aqueous phase of human dental plaque. Tatevossian A, et al. **Arch Oral Biol** 1981;26(4):275–80
Calcium, phosphorus, fluoride, and pH levels of human dental plaque from areas of varying fluoride levels. Grobler SR, et al. **J Dent Res** 1982 Aug;61(8):986–8
Development of rampant dental caries, and composition of plaque fluid and saliva in irradiated primates. Edgar WM, et al. **J Oral Pathol** 1981 Aug;10(4):284–95
Protein components in saliva and plaque fluid from irradiated primates. Edgar WM, et al. **J Oral Pathol** 1982 Jun; 11(3):252–9
Characterization of toxic extracts of in vitro cultured human plaque. Singer RE, et al. **J Periodont Res** 1980 Nov; 15(6):603–14

CHEMICALLY INDUCED

[Effect of composite fillings of the marginal periodontium and on plaque formation] Nyárasdy I, et al. **Fogorv Sz** 1981 Aug;74(8):231–4 **(Hun)**

COMPLICATIONS

The role of keratinized gingiva in plaque-associated gingivitis in dogs. Wennström J, et al. **J Clin Periodontol** 1982 Jan; 9(1):75–85

DRUG EFFECTS

The influence of certain added water-borne trace elements on the percentage bacterial composition of tooth fissure plaque from conventional Sprague-Dawley rats. Beighton D, et al. **Arch Oral Biol** 1981;26(5):419–25

DRUG THERAPY

Potential salicylamide antiplaque agents: in vitro antibacterial activity against Actinomyces viscosus. Coburn RA, et al. **J Med Chem** 1981 Oct;24(10):1245–9
The effect of metronidazole on established gingivitis and plaque in beagle dogs. Heijl L, et al. **J Periodontol** 1982 Mar;53(3):180–7
[The effect of chlorhexidine (author's transl)] Engelmann U, et al. **Zahn Mund Kieferheilkd** 1981;69(4):248–59 (Eng. Abstr.) **(Ger)**
[Effects of zinc and vitamin B 6 in experimental caries in rats] Rapisarda E, et al. **Minerva Stomatol** 1981 Jul–Aug; 30(4):317–20 (Eng. Abstr.) **(Ita)**

ENZYMOLOGY

Hydrolysis of some carbohydrate substrates by enzymes of pooled human dental plaque fluid. Tatevossian A. **Arch Oral Biol** 1982;27(1):39–43
Effect of the alpha-glucosidase inhibitor, acarbose, on disaccharide splitting enzymes in human dental plaque. Fiehn NE, et al. **Scand J Dent Res** 1982 Apr;90(2):124–30
Method for determination of invertase activity in homogenates of human dental plaque. Fiehn NE, et al. **Scand J Dent Res** 1981 Dec;89(6):450–7

ETIOLOGY

The occurrence of plaque and gingivitis and its relationship to tooth alignment within the dental arches. Behlfelt K, et al. **J Clin Periodontol** 1981 Aug;8(4):329–37
Effects of malalignment of teeth in the anterior segments on plaque accumulation. Griffiths GS, et al. **J Clin Periodontol** 1981 Dec;8(6):481–90
Effects of a carbohydrate-free diet and sugar substitutes on dental plaque accumulation. Rateitschak-Plüss EM, et al. **J Clin Periodontol** 1982 May;9(3):239–51
Comparison of the bisbiguanide antiseptics alexidine and chlorhexidine. I. Effect on plaque accumulation and salivary bacteria. Roberts WR, et al. **J Clin Periodontol** 1981 Jun;8(3):213–9
Plaque growth on dental restorative materials. Smales RJ. **J Dent** 1981 Jun;9(2):133–40
Short-term investigation on the influence of cigarette smoking upon plaque accumulation. Bergström J. **Scand J Dent Res** 1981 Jun;89(3):235–8
Comparative effects of xylitol- and sucrose-sweetened chew tablets and chewing gums on plaque quantity. Rekola M. **Scand J Dent Res** 1981 Oct;89(5):393–9

IMMUNOLOGY

Immunological aspects of periodontal disease. Rivera Hidalgo F. **Bol Asoc Med PR** 1981 Apr;73(4):178–80

METABOLISM

Diffusion of sugars and carboxylic acids through human dental plaque in vitro. Dibdin GH. **Arch Oral Biol** 1981; 26(6):515–23
The effect of extracts from human dental plaque, oral streptococci and actinomyces bacteria on HELA cell growth, [3H]-thymidine uptake and 51Cr release. Duguid R, et al. **Arch Oral Biol** 1982;27(1):65–8
Lactate metabolism by human dental plaque and Veillonella under aerobic and anaerobic conditions. Hoshino E, et al. **Arch Oral Biol** 1981;26(1):17–22
Measurement of pH in human dental plaque in vivo with an ion-sensitive transistor electrode. Igarashi K, et al. **Arch Oral Biol** 1981;26(3):203–7
Plaque sampling and telemetry for monitoring acid production on human buccal tooth surfaces. Jensen ME, et al. **Arch Oral Biol** 1982;27(1):21–31
The effect of human dental plaque on bone resorption and hyaluronic acid synthesis in in-vitro cultures of fetal rat calvaria. Larjava H, et al. **Arch Oral Biol** 1982;27(2):147–50
Fluoride taken up by plaque, by the underlying enamel and by clean enamel from three fluoride compounds in vitro. Klimek J, et al. **Caries Res** 1982;16(2):156–61
Maltitol and maltotriitol as inhibitors of acid production in human dental plaque. Würsch P, et al. **Caries Res** 1982; 16(2):90–5
Effect of gramicidin D on the acidogenic properties of oral streptococci and human dental plaque. Vadeboncoeur C, et al. **J Dent Res** 1982 May;61(5):632–5
Comparative plaque acidogenesis of caries-resistant vs. caries-susceptible adults. Vratsanos SM, et al. **J Dent Res** 1982 Mar;61(3):465–8
Calcium, matrix polymers and plaque formation. Newman HN. **J Periodontol** 1982 Feb;53(2):101–8
The effect of sucrose and hexitol—containing chewing gums on plaque acidogenesis in vivo. Vratsanos SM, et al. **Pharmacol Ther Dent** 1981;6(3–4):87–91
Effect of aqueous solutions of sorbitol-xylitol on plaque metabolism and on growth of Streptococcus mutans. Rölla G, et al. **Scand J Dent Res** 1981 Jun;89(3):247–50

MICROBIOLOGY

Bacterial growth on dental restorative materials in mucosal contact. Orstavik D, et al. **Acta Odontol Scand** 1981; 39(5):267–74
Evidence for a basic plaque microbial community on the tooth surface in animals. Dent VE, et al. **Arch Oral Biol** 1981;26(3):171–9
The inhibition of bacterial glycolysis in human dental plaque by medium-chain fatty acid--sugar mouth-washes. Hayes

ML. **Arch Oral Biol** 1981;26(3):223–7

Bacterial interference in the oral ecology of Actinobacillus actinomycetemcomitans and its relationship to human periodontosis. Hillman JD, et al. **Arch Oral Biol** 1982; 27(1):75–7

Comparison of fluoride toxicity between periodontal pathogenic bacteria and rabbit gingiva. Hume WR, et al. **Arch Oral Biol** 1981;26(6):467–72

Streptococcus mutans approximal plaque index as a new epidemiologic tool for defining the parameters of Streptococcus mutans infection in human populations. Keene HJ, et al. **Arch Oral Biol** 1981;26(5):345–55

Effect of milk on caries incidence and bacterial composition of dental plaque in the rat. Reynolds EC, et al. **Arch Oral Biol** 1981;26(5):445–51

Longitudinal microbial changes in developing human supragingival and subgingival dental plague. van Palenstein Helderman WH. **Arch Oral Biol** 1981;26(1):7–12

A preliminary study on isolation and enumeration of mycoplasmas in dental plaques: the effect of sonication on viability of oral mycoplasmas. Uchida A, et al. **Bull Tokyo Med Dent Univ** 1981 Dec;28(4):111–6

Isolation and enumeration of mycoplasmas in dental plaques. Uchida A. **Bull Tokyo Med Dent Univ** 1981 Dec; 28(4):117–23

The role of bacteria in periodontal diseases. Löe H. **Bull WHO** 1981;59(6):821–5

Use of fluorescence microscopy for monitoring periodontal disease state. Chan EC, et al. **Can J Microbiol** 1981 Jul; 27(7):675–8

Glucose incorporation by human dental plaque bacteria. Roberts KR, et al. **Caries Res** 1981;15(6):492–500

Microbial populations growing in the presence of fluoride at low pH isolated from dental plaque of children living in an area with fluoridated water. Bowden GH, et al. **Infect Immun** 1982 Apr;36(1):247–54

Role of interbacterial adherence in colonization of the oral cavities of gnotobiotic rats infected with Streptococcus mutans and Veillonella alcalescens. McBride BC, et al. **Infect Immun** 1981 Aug;33(2):467–72

Oral ecology and virulence of Lactobacillus casei and Streptococcus mutans in gnotobiotic rats. Michalek SM, et al. **Infect Immun** 1981 Sep;33(3):690–6

Sucrose-induced ecological response of experimental dental plaques from caries-free and caries-susceptible Human volunteers. Minah GE, et al. **Infect Immun** 1981 Dec; 34(3):662–75

Isolation and characterization of Streptococcus mutans mutants defective in adherence and aggregation. Murchison H, et al. **Infect Immun** 1981 Dec;34(3):1044–55

Inhibition of dental plaque acid production by the salivary lactoperoxidase antimicrobial system. Tenovuo J, et al. **Infect Immun** 1981 Oct;34(1):208–14

Predominant cultivable microflora of human dental fissure plaque. Theilade E, et al. **Infect Immun** 1982 Jun; 36(3):977–82

The stability of Streptococcus mutans populations in the dental plaque of monkeys (Macaca fascicularis). Beighton D, et al. **J Appl Bacteriol** 1982 Apr;52(2):191–200

Identification of oral Neisseria species of animals. Dent VE. **J Appl Bacteriol** 1982 Feb;52(1):21–30

Rapid identification of Bacteroides gingivalis. Laughon BE, et al. **J Clin Microbiol** 1982 Feb;15(2):345–6

Development of a selective medium for detection and enumeration of Actinomyces viscosus and Actinomyces naeslundii in dental plaque. Zylber LJ, et al. **J Clin Microbiol** 1982 Feb;15(2):253–9

Development of plaque and gingivitis following antibiotic therapy in dogs. Dahlén G, et al. **J Clin Periodontol** 1982 May;9(3):223–38

Comparison of Streptococcus mutans concentrations in non-banded and banded orthodontic patients. Corbett JA, et al. **J Dent Res** 1981 Dec;60(12):1936–42

In vitro hydrolysis of monofluorophosphate by dental plaque microorganisms. Jackson LR. **J Dent Res** 1982 Jul; 61(7):953–6

Extracellular iodophilic polysaccharide synthesized by Neisseria in human dental plaque. Ruby JD, et al. **J Dent Res** 1982 May;61(5):627–31

Plasmid content of some oral microorganisms isolated from subgingival plaque. Vandenbergh PA, et al. **J Dent Res** 1982 Mar;61(3):497–501

The isolation of characterization of Streptococcus mutans serotype h from dental plaque of monkeys (Macaca fascicularis). Beighton D, et al. **J Gen Microbiol** 1981 Jun; 124(Pt 2):271–9

The biological aspects of oral pathogenicity. Goldner M. **J Hyg Epidemiol Microbiol Immunol** 1981;25(4):431–8 (69 ref.)

The effects of bacterial sonicates on human keratinizing stratified squamous epithelium in vitro. Kamen PR. **J Periodont Res** 1981 May;16(3):323–30

Classification and prevalences of plaque streptococci after two years oral use of chlorhexidine. Mikkelsen L, et al. **J Periodont Res** 1981 Nov;16(6):646–58

Conditions of production and properties of the collagenolytic enzymes by two Bacillus strains from dental plaque. Söderling E, et al. **J Periodont Res** 1981 Sep;16(5):513–23

Differences between gingivitis and periodontitis associated microbial flora in the beagle dog. Relationship of plaque parameters to histological parameters of periodontal disease. Svanberg GK, et al. **J Periodont Res** 1982 Jan; 17(1):1–11

Microbiological studies on early dento-gingival plaque on teeth and Mylar strips in humans. Theilade E, et al. **J Periodont Res** 1982 Jan;17(1):12–25

The effect of female sex hormones on subgingival plaque. Jensen J, et al. **J Periodontol** 1981 Oct;52(10):599–602

Effect of chlorhexidine gel treatment on Streptococcus mutans population in human saliva and dental plaque. Emilson CG. **Scand J Dent Res** 1981 Jun;89(3):239–46

Microbial analyses of dental plaque of monkeys (Macaca fascicularis) using fluorescent antibody techniques. Emilson CG, et al. **Scand J Dent Res** 1981 Dec;89(6):458–62

Effect of the antibacterial agents octenidine and chlorhexidine on the plaque flora in primates. Emilson CG, et al. **Scand J Dent Res** 1981 Oct;89(5):384–92

Ultrasonic dispersion of pure cultures of plaque bacteria and plaque. Olsen I, et al. **Scand J Dent Res** 1981 Aug; 89(4):307–12

[Specificity of histological disclosing solutions and stains for the microorganisms of dental plaque] Schaller S, et al. **SSO Schweiz Monatsschr Zahnheilkd** 1982 Apr; 92(4):378–87 (Eng. Abstr.) **(Fre)**

[Extracellular polysaccharides of plaque streptococci. 2. Gas chromatographic studies] Gabert A, et al. **Zahn Mund Kieferheilkd** 1981;69(3):185–92 (Eng. Abstr.) **(Ger)**

[Microbial flora in the early stages of dental plaque: distribution of bacterial types for 12 hours after tooth brushing (author's transl)] Mizuno F, et al. **Kokubyo Gakkai Zasshi** 1981 Dec;48(4):329–34 (Eng. Abstr.) **(Jpn)**

[Study on anaerobic gram-positive cocci in human dental plaque (author's transl)] Mizuno F. **Kokubyo Gakkai Zasshi** 1981 Dec;48(4):321–8 (Eng. Abstr.) **(Jpn)**

PATHOLOGY

Photogrammetric registration of dental plaque accumulation in vivo. Bergström J. **Acta Odontol Scand** 1981;39(5):275–84

The effect of orthodontic appliances on the distribution of Candida and plaque in adolescents. Addy M, et al. **Br J Orthod** 1982 Jul;9(3):158–63

A new in vivo replica technique for scanning electron microscope study of dental plaque morphology. Lambrechts P, et al. **J Clin Periodontol** 1982 May; 9(3):252–6

Effect of position of wisdom teeth on the visible plaque index and gingival bleeding index. Ylipaavalniemi P, et al. **Proc Finn Dent Soc** 1982;78(1):47–9

PHYSIOPATHOLOGY

A clinical trial to compare the effects of xylitol and sucrose chewing-gums on dental plaque growth. Grenby TH, et al. **Br Dent J** 1982 May 18;152(10):339–43

Effect of topical application of urea peroxide on caries incidence and plaque accumulation in rats. Firestone AR, et al. **Caries Res** 1982;16(2):112–7

PREVENTION & CONTROL

The effects of chlorhexidine and mechanical methods of plaque control on the recurrence of gingival hyperplasia in young patients taking phenytoin. O'Neil TC, et al. **Br Dent J** 1982 Feb 16;152(4):130–3

Spiramycin and the specific plaque hypothesis: a new concept in plaque control. Quee TC. **Can Dent Assoc J** 1982 Feb; 48(2):121–7 (62 ref.)

Effect of mechanical and chemical plaque control measures on oral microflora in schoolchildren. Emilson CG, et al. **Community Dent Oral Epidemiol** 1982 Jun;10(3):111–6

Behavioral research in preventive dentistry: educational and contingency management approaches to the problem of patient compliance. Iwata BA, et al. **J Appl Behav Anal** 1981 Summer;14(2):111–20

The effect of single morning and evening rinses of chlorhexidine on the development of tooth staining and plaque accumulation. A blind cross-over trial. Addy M, et al. **J Clin Periodontol** 1982 Mar;9(2):134–40

Dental prophylaxis for youths in their late teens. I. Clinical effect of different preventive regimes on oral hygiene, gingivitis and dental caries. Hamp SE, et al. **J Clin Periodontol** 1982 Jan;9(1):22–34

Direct irrigation and subgingival plaque. Hardy JH, et al. **J Clin Periodontol** 1982 Jan;9(1):57–65

Use of oral irrigators as vehicle for the application of antimicrobial agents in chemical plaque control. Lang NP, et al. **J Clin Periodontol** 1981 Jun;8(3):177–88

Optimal dosage of chlorhexidine digluconate in chemical plaque control when applied by the oral irrigator. Lang NP, et al. **J Clin Periodontol** 1981 Jun;8(3):189–202

Plaque control with chlorhexidine and D-301, a quaternary ammonium compound. Saxer UP, et al. **J Clin Periodontol** 1982 Mar;9(2):162–9

Teaching plaque control. II. 30-minute versus 15-minute appointments in a three-visit program. Söderholm G, et al. **J Clin Periodontol** 1982 May;9(3):214–22

Teaching plaque control. I. A five-visit versus a two-visit program. Söderholm G, et al. **J Clin Periodontol** 1982 May; 9(3):203–13

Long-term antiplaque, anticalculus, and antigingivitis effects of benzethonium/polymer complex in beagle dogs. Gaffar A, et al. **J Dent Res** 1981 Nov;60(11):1897–1903

The effect of supragingival plaque control on the composition of the subgingival microbial flora in ligature-induced periodontitis in the monkey. Siegrist B, et al. **J Dent Res** 1982 Jul;61(7):936–41

The inhibitory effects on the formation of dental plaque in children using a low concentration of chlorhexidine for a prolonged period. Ino C. **J Nihon Univ Sch Dent** 1981 Sep;23(3):121–8

Effects of supervised chlorhexidine mouthrinses in children. A longitudinal clinical trial. Lang NP, et al. **J Periodont Res** 1982 Jan;17(1):101–11

Comparison of hypertonic saline and chlorhexidine mouthrinses after the inverse bevel flap procedure. Newman PS, et al. **J Periodontol** 1982 May;53(5):315–8

Effect of a new anti-plaque agent (CK-0569A) on developing plaque and gingivitis in man. Wennström JL. **J Periodontol** 1982 Mar;53(3):188–94

The inhibitory effect of chlorhexidine digluconate on dental plaque formation. A scanning and transmission electron microscope study. Yamaguchi H, et al. **J Periodontol** 1981 Oct;52(10):630–8

The effect of a preventive programme on dental plaque and caries in school children. Craig EW, et al. **NZ Dent J** 1981 Jul;77(349):89–93

Comparison between plaque inhibiting effect of chlorhexidine and aqueous solutions of copper- and silver-ions. Wåler SM, et al. **Scand J Dent Res** 1982 Apr;90(2):131–3

[Current aspects of periodontics] Kohl J, et al. **Rev Belge Med Dent** 1982 Jan;37(1):2–8 **(Fre)**

[Plaque-decreasing effect of denture cleaning agents] Blumer F, et al. **SSO Schweiz Monatsschr Zahnheilkd** 1982 Feb; 92(2):105–18 (Eng. Abstr.) **(Ger)**

[Enzyme containing toothpaste] Birkeland JM, et al. **Nor Tannlaegeforen Tid** 1981 Jul;91(10):366–8 **(Nor)**

THERAPY

Plaque control in the handicapped: the treatment of specific plaque infections. Loesche WJ. **Can Dent Assoc J** 1981 Oct;47(10):649–56

The effect of waxed and unwaxed dental floss on gingival health. Part I. Plaque removal and gingival response. Lamberts DM, et al. **J Periodontol** 1982 Jun;53(6):393–9

Comparison of ultrasonic to hand instruments in the removal of subgingival plaque. Thornton S, et al. **J Periodontol** 1982 Jan;53(1):35–7

Orthodontic treatment in dentitions with reduced periodontal support. Thilander B. **Rev Belge Med Dent** 1982 May; 37(3):119–25

VETERINARY

An effect of communal caging on the streptococcal flora of the dental plaque of monkeys (Macaca fascicularis). Beighton D, et al. **Lab Anim** 1982 Jan;16(1):68–70

DENTAL PORCELAIN

A method of strengthening aluminous porcelain jacket crowns. Hopkins K. **Br Dent J** 1981 Oct 6;151(7):225–7

The surface finish of trimmed porcelain. Smith GA, et al. **Br Dent J** 1981 Oct 6;151(7):222–4

Correlation of thermal shock resistance with thermal compatibility dat for porcelain-metal systems. Anusavice KJ, et al. **J Dent Res** 1982 Feb;61(2):419–22

Porcelain-metal thermal compatibility [letter] Bertolotti RL. **J Dent Res** 1982 Jan;61(1):71–2

Measurement of softening temperatures in dental bake-on porcelains. Bertolotti RL, et al. **J Dent Res** 1982 Mar; 61(3):480–3

Color analysis of dental modifying porcelains. Johnston WM, et al. **J Dent Res** 1982 Mar;61(3):484–8

Color and glaze: effects of repeated firings. Barghi N. **J Prosthet Dent** 1982 Apr;47(4):393–5

Porcelain internal core pontics. Choudhary SC. **J Prosthet Dent** 1981 Oct;46(4):458–60

Effect of oxidation on ceramometal bond strength. Dent RJ, et al. **J Prosthet Dent** 1982 Jan;47(1):59–62

Marginal distortion of the porcelain- bonded-to-metal complete crown: an SEM study. Hamaguchi H, et al. **J Prosthet Dent** 1982 Feb;47(2):146–53

Distortion of occlusal porcelain during glazing. Hobo S. **J Prosthet Dent** 1982 Feb;47(2):154–6

A modified functionally generated path technique for making maxillary posterior ceramometal restorations. Kafandaris NM. **J Prosthet Dent** 1981 Jul;46(1):29–31

Polished versus autoglazed porcelain surfaces. Klausner LH, et al. **J Prosthet Dent** 1982 Feb;47(2):157–62

Evaluation of the bonding of three porcelain repair systems. Nowlin TP, et al. **J Prosthet Dent** 1981 Nov;46(5):516–8

Porcelain internal core pontics [letter] Perez RD. **J Prosthet Dent** 1982 May;47(5):576

Evaluation of the marginal integrity of ceramometal restorations. Part I. Strating H, et al. **J Prosthet Dent** 1981 Jul;46(1):59–65

Surface finishing of dental porcelain. Sulik WD, et al. **J Prosthet Dent** 1981 Aug;46(2):217–21

Microhardness of alloys for porcelain veneering. Yli-Urpo A, et al. **J Prosthet Dent** 1982 Apr;47(4):396–8

Bond strength of porcelain to dental alloys - an evaluation of two test methods. Oilo G, et al. **Scand J Dent Res** 1981 Jun;89(3):289–96

[Bending strength of a noble metal-ceramic composite as a

function of pretreatment of the metal framework] Freesmeyer WB, et al. **Dtsch Zahnarztl Z** 1981;36(12):791–6 (Eng. Abstr.) **(Ger)**

[Prior experience with the Tübingen immediate implant made of aluminum oxide ceramic] Fritzemeier CU, et al. **Dtsch Zahnarztl Z** 1981 Sep;36(9):579–84 (Eng. Abstr.) **(Ger)**

[Single tooth implants made of aluminum oxide ceramic in the beagle lateral tooth area and for anterior tooth diastemata in the adolescent patient] Schluz P, et al. **Dtsch Zahnarztl Z** 1981 Sep;36(9):599–606 (Eng. Abstr.) **(Ger)**

[Tübingen implant made of Frialit: 5 years of experience] Schulte W. **Dtsch Zahnarztl Z** 1981 Sep;36(9):544–50 (Eng. Abstr.) **(Ger)**

[Prior clinical experience with the Tübingen Frialit implant type] Wagner W, et al. **Dtsch Zahnarztl Z** 1981 Sep; 36(9):585–90 (Eng. Abstr.) **(Ger)**

[Clinical experience with endosseous aluminum oxide ceramic implants] Wörle M. **Dtsch Zahnarztl Z** 1981 Sep; 36(9):591–5 (Eng. Abstr.) **(Ger)**

[Study of nickel–chromium alloys containing titanium for porcelain bonding (author's transl)] Hirose Y. **Shika Rikogaku Zasshi** 1982 Jan;23(61):98–115 (Eng. Abstr.) **(Jpn)**

[Studies on sintering of dental porcelain. (Part 1) Binary system sintering of alumina and low fusing frit (author's transl)] Kuwayama N, et al. **Shika Rikogaku Zasshi** 1981 Apr;22(58):101–8 (Eng. Abstr.) **(Jpn)**

[Studies on sintering of dental porcelain. (Part 2) Binary system sintering of quartz and low fusing frit (author's transl)] Kuwayama N, et al. **Shika Rikogaku Zasshi** 1982 Jan;23(61):12–8 (Eng. Abstr.) **(Jpn)**

[Set of instruments for preparing dental prostheses using porcelain compounds] Demner LM, et al. **Med Tekh** 1982 May–Jun;(3):50–1 **(Rus)**

[Improved method of preparing crowns from porcelain] Demner LM, et al. **Stomatologiia (Mosk)** 1982 Mar–Apr; (2):45–7 (Eng. Abstr.) **(Rus)**

[Development and the characteristics of using the Kolorit set of dyes for tinting the porcelain in preparing fixed dentures] Inozemtseva AA, et al. **Stomatologiia (Mosk)** 1982 May–Jun;61(3):56–7 (Eng. Abstr.) **(Rus)**

[Prospects for the development and orthodontic introduction of prostheses made of porcelain and metal–ceramics] Kalamkarov KhA, et al. **Stomatologiia (Mosk)** 1982 May–Jun;61(3):51–3 (Eng. Abstr.) **(Rus)**

ADVERSE EFFECTS

[Clinical study to assess endosseous Al203–ceramic implants by periodontal criteria] Ehrl PA. **Dtsch Zahnarztl Z** 1981 Aug;36(8):500–4 (Eng. Abstr.) **(Ger)**

[Composite ceramic implants in the porcine jaw] Scheicher H, et al. **Dtsch Zahnarztl Z** 1981 Aug;36(8):493–9 (Eng. Abstr.) **(Ger)**

ANALYSIS

[Porcelain restoration materials: experimental studies of the adhesive strength of different products] Notter OR, et al. **SSO Schweiz Monatsschr Zahnheilkd** 1982 Jan;92(1):33–7 (Eng. Abstr.) **(Ger)**

[Production of an MK porcelain mass for the facing of the metal framework prepared from Soviet cobalt–chrome alloy] Karal'nik DM, et al. **Stomatologiia (Mosk)** 1982 May–Jun;61(3):53–4 (Eng. Abstr.) **(Rus)**

[Dental porcelain for metal–ceramic dental prostheses studied in the heating process] Stashevich EE, et al. **Stomatologiia (Mosk)** 1982 May–Jun;61(3):54–6 (Eng. Abstr.) **(Rus)**

THERAPEUTIC USE

[Surgical tooth preservation. Experiments with aluminum oxide–ceramic] Kirschner H. **Dtsch Zahnarztl Z** 1981 May; 36(5):274–85 (Eng. Abstr.) **(Ger)**

[Porcelain restoration materials: a clinical trial of Den–Mat and Ceramat] Belser UC, et al. **SSO Schweiz Monatsschr Zahnheilkd** 1982 Jan;92(1):29–32 (Eng. Abstr.) **(Ger)**

DENTAL PROPHYLAXIS

see related
DENTAL CALCULUS

Effect of controlled oral hygiene procedures on caries and periodontal disease in adults. Results after 6 years. Axelsson P, et al. **J Clin Periodontol** 1981 Jun;8(3):239–48

The significance of maintenance care in the treatment of periodontal disease. Axelsson P, et al. **J Clin Periodontol** 1981 Aug;8(4):281–94

Four years of monthly professional toothcleaning and topical fluoride application in Brazilian schoolchildren. I. Effect on gingivitis. Bellini HT, et al. **J Clin Periodontol** 1981 Jun;8(3):231–8

Dental prophylaxis for youths in their late teens. III. Attitudes to teeth and dental health and their relation to dental health behavior. Bergendal B, et al. **J Clin Periodontol** 1982 Jan;9(1):46–56

Dental prophylaxis for youths in their late teens. I. Clinical effect of different preventive regimes on oral hygiene, gingivitis and dental caries. Hamp SE, et al. **J Clin Periodontol** 1982 Jan;9(1):22–34

Dental prophylaxis for youths in their late teens. II. Knowledge about dental health and diseases and the relation to dental health behavior. Hamp SE, et al. **J Clin Periodontol** 1982 Jan;9(1):35–45

Effects of repeated scaling and root planing and/or controlled oral hygiene on the periodontal attachment level and pocket depths in beagle dogs. II. Bacteriological findings. Syed SA, et al. **J Periodont Res** 1982 Mar; 17(2):219–25

The effect of mechanical stimulation on the keratinization of sulcular epithelium. Caffesse RG, et al. **J Periodontol** 1982 Feb;53(2):89–92

Initial healing of periodontal pockets after a single episode of root planing monitored by controlled probing forces. Proye M, et al. **J Periodontol** 1982 May;53(5):296–301

The surface roughness of restorative materials and dental tissues after polishing with prophylaxis and polishing pastes. Roulet JF, et al. **J Periodontol** 1982 Apr; 53(4):257–66

Longitudinal measurements of sulcular fluid flow after debridement of deep pockets. Hakkarainen K, et al. **Proc Finn Dent Soc** 1982;78(1):20–5

Smoke stain accumulation on restorative dental materials and hard tooth tissues after polishing with prophylaxis pastes. Roulet–Mehrens T, et al. **SSO Schweiz Monatsschr Zahnheilkd** 1982 May; 92(5):487–96

[Caries prevalence in young adults with and without a prophylaxis program at the compulsory school age] Saxer UP. **Dtsch Zahnarztl Z** 1981 Aug;36(8):508–19 (Eng. Abstr.) **(Ger)**

[Results of introducing a comprehensive dental prophylaxis system in the schools of Gagarin and Lenin Districts in Moscow] Pakhomov GN, et al. **Stomatologiia (Mosk)** 1981 Nov–Dec;60(6):22–4 (Eng. Abstr.) **(Rus)**

ADVERSE EFFECTS

Effect of nonsterile versus sterile water irrigation with ultrasonic scaling on postoperative bacteremias. Reinhardt RA, et al. **J Periodontol** 1982 Feb;53(2):96–100

Effect of a local germicide on the occurrence of bacteremia during subgingival scaling. Witzenberger T, et al. **J Periodontol** 1982 Mar;53(3):172–9

ECONOMICS

Dental Strategy Review Group: dental hygienists [letter] Law JA. **Br Dent J** 1982 Jan 19;152(2):37

HISTORY

Early development of dental hygiene. Odrich J, et al. **NY J Dent** 1982 Apr;52(4):127 contd

INSTRUMENTATION

The cardiac pacemaker and ultrasonic scalers. Adams D, et al. **Br Dent J** 1982 Mar;152(5):171–3

METHODS

Ultrasonic root planing. Pearlman BA. **Aust Dent J** 1982 Apr; 27(2):109–16

[SEM observation of the effect of ultrasonic scaling on the enamel surface (author's transl)] Huang ZR. **Chung Hua Kou Chiang Ko Tsa Chih** 1982;17(1):17–9 **(Chi)**

[Prophylaxis by laymen or delegated personnel in dental health? Experiences in Sweden] Landt. **Dtsch Zahnarztl Z** 1981 May;36(5):334–6 **(Ger)**

[Evaluation of the efficacy of subgingival scaling in relation to the depth of the periodontal pockets] Picarelli A, et al. **Minerva Stomatol** 1982 Mar–Apr;31(2):199–203 (Eng. Abstr.) **(Ita)**

[Comparative evaluation of the effectiveness of preventive methods in dental caries and periodontal diseases] Kadnikova GI, et al. **Stomatologiia (Mosk)** 1981 Nov–Dec; 60(6):16–8 (Eng. Abstr.) **(Rus)**

[Organization of oral hygiene for servicemen] Alekseev LI. **Voen Med Zh** 1981 Nov;(11):57–8 **(Rus)**

DENTAL PROSTHESIS

Busselton dental survey 1978. Medcalf GW. **Aust Dent J** 1981 Oct;26(5):304–8

A plea to mark dentures [letter] Gibson P. **Br Dent J** 1982 Apr 20;152(8):263

Maxillofacial prosthesis and orofacial trauma. Zarb GA, et al. **Dent Clin North Am** 1982 Jul;26(3):613–30

Speech adaptation to dental prostheses: the former lisper. Hamlet SL, et al. **J Prosthet Dent** 1982 May;47(5):564–9

Oral motor patterns and their relation to oral prostheses. Zarb GA. **J Prosthet Dent** 1982 May;47(5):472–8 (48 ref.)

The prosthetic management of oral commissure burns. Holt GR, et al. **Laryngoscope** 1982 Apr;92(4):407–11

An intraoral self–contained artificial larynx. Lowry LD, et al. **Otolaryngol Head Neck Surg** 1982 Mar–Apr; 90(2):208–14

[Prosthetic treatment of severe periodontal diseases (author's transl)] Zhou JL. **Chung Hua Kou Chiang Ko Tsa Chih** 1981 Jun;16(2):107–10 **(Chi)**

[An analysis of prosthetic treatment in 140 cases of periodontal diseases (author's transl)] Zhou SM. **Chung Hua Kou Chiang Ko Tsa Chih** 1981 Jun;16(2):70–3 **(Chi)**

[Indications and applications in preprosthetic occlusional adjustments] Latino H, et al. **Rev Belge Med Dent** 1982 May;37(3):86–90 **(Fre)**

[Speech sound spectra after insertion of dental plates] Altmann B, et al. **Folia Phoniatr (Basel)** 1981;33(5):261–74 (Eng. Abstr.) **(Ger)**

[Conceptual aspects of preprosthetic orthodontics] Baumann AH, et al. **SSO Schweiz Monatsschr Zahnheilkd** 1982 May; 92(5):467–77 (Eng. Abstr.) **(Ger)**

[Survey of edentulousness and dental restoration in the 50–57 year age group among workers of the Obuda Shipyard. I. Attendance to the dental clinic, registration of missing teeth, prosthodontic index] Toth P, et al. **Fogorv Sz** 1981 Jul;74(7):197–200 (Eng. Abstr.) **(Hun)**

[Galvanodent apparatus for the electrochemical coating of dental prostheses] Poluev VI, et al. **Med Tekh** 1982 May–Jun;(3):49–50 **(Rus)**

[Gas permeability of refractory moulding compounds for preparing 1–piece dental prostheses] Brovkina EP, et al. **Stomatologiia (Mosk)** 1981;60(4):46–7 (Eng. Abstr.) **(Rus)**

[Prospects for the development and orthodontic introduction of prostheses made of porcelain and metal–ceramics] Kalamkarov KhA, et al. **Stomatologiia (Mosk)** 1982 May–Jun;61(3):51–3 (Eng. Abstr.) **(Rus)**

[Adaptation of patients to dental prostheses] Petrović A. **Med Pregl** 1980;33(11–12):493–6 (Eng. Abstr.) **(Scr)**

PSYCHOLOGY

[Orthodontic prosthetic treatment and its psychological implications. A contribution to an interdisciplinary approach] Perini M, et al. **Minerva Stomatol** 1981 Sep–Oct; 30(5):413–9 (Eng. Abstr.) **(Ita)**

STANDARDS

New alloys for crown and bridge. O'Neal SJ. **Ala J Med Sci** 1981 Oct;18(4):409–12

An analysis of stresses in a dental implant system. Lavernia CJ, et al. **J Biomech** 1981;14(8):555–60

DENTAL PROSTHESIS DESIGN

An immediate cantilever Rochette bridge. Hopkins C. **Br Dent J** 1981 Nov 3;151(9):292–5

Prosthodontic treatment of pendulous maxillary tuberosities. Bell RA, et al. **J Am Dent Assoc** 1981 Dec;103(6):894–5

Clinical evaluation of the wax trial denture. Desjardins RP. **J Am Dent Assoc** 1982 Feb;104(2):184–90

The design of the partial denture framework. 2. Preventing movement of the partial denture base. Nairn RI. **J Dent** 1981 Jun;9(2):157–70

Dental students' confidence in prosthodontics and attitudes toward the elderly. Ettinger RL, et al. **J Dent Educ** 1982 Sep;46(9):541–7

Designing swinglock partial dentures. Becker CM, et al. **J Prosthet Dent** 1981 Aug;46(2):126–32

The design of multiple pontics. Behrend DA. **J Prosthet Dent** 1981 Dec;46(6):634–8

The prong denture: a combined surgical–prosthetic approach to enhance denture retention. Braun E, et al. **J Prosthet Dent** 1981 Aug;46(2):196–200

Procedure for a simplified collarless metal–ceramic restoration using gold powder. Choung CK, et al. **J Prosthet Dent** 1982 Apr;47(4):449–53

Partial denture design: a simple teaching aid. Cowles KR. **J Prosthet Dent** 1982 Feb;47(2):219

The unilateral subperiosteal implant: a clinical technique evolving from experimental studies. Flynn HE, et al. **J Prosthet Dent** 1982 Jul;48(1):82–5

Fabricating crowns to fit clasp–bearing abutment teeth. Gavelis JR. **J Prosthet Dent** 1981 Dec;46(6):673–5

Technical and biophysical aspects of fixed partial dentures for patients with reduced periodontal support. Glantz PO, et al. **J Prosthet Dent** 1982 Jan;47(1):47–51

Multiple crowns fabricated for an existing removable partial denture. Jordan RD, et al. **J Prosthet Dent** 1982 Jul; 48(1):102–5

Die alteration to provide adequate occlusal clearance. Jordan RD, et al. **J Prosthet Dent** 1982 May;47(5):570–2

Photoelastic analysis of stress patterns on teeth and bone with attachment retainers for removable partial dentures. Kratochvil FJ, et al. **J Prosthet Dent** 1981 Jul;46(1):21–8

The MGR clasp: an esthetic extracoronal retainer for maxillary canines. McCartney JW. **J Prosthet Dent** 1981 Nov;46(5):490–3

The fixed–removable partial denture. Rhoads JE. **J Prosthet Dent** 1982 Aug;48(2):122–9

Fabricating fixed partial dentures using existing restorations. Sarrett DC. **J Prosthet Dent** 1981 Aug;46(2):142–4

Prosthodontic management of postsurgical soft tissue deformities associated with marginal mandibulectomy. Part I: Loss of the vestibule. Shifman A, et al. **J Prosthet Dent** 1982 Aug;48(2):178–83

Finishing palatal and lingual contours of dentures. Stankewitz CG. **J Prosthet Dent** 1982 Jan;47(1):108

Effect of two clasping assemblies on arch integrity as modified by base adaptation. Taylor DT, et al. **J Prosthet Dent** 1982 Feb;47(2):120–5

Principles and technique in sublingual flange extension and complete mandibular dentures. von Krammer R. **J Prosthet Dent** 1982 May;47(5):479–82 (16 ref.)

Comparison of major connectors for removable partial dentures. Wagner AG, et al. **J Prosthet Dent** 1982 Mar; 47(3):242–5

Instructional aid for teaching removable partial denture design. Williams EO, et al. **J Prosthet Dent** 1982 Aug; 48(2):222

Esthetic feasibility study using a labial index. Williams HA, et al. **J Prosthet Dent** 1982 Jun;47(6):616–9

Design for maximal retention of obturator prosthesis for hemimaxillectomy patients. Wright SM, et al. **J Prosthet Dent** 1982 Jan;47(1):88–91

Insertion procedures for complete dentures. Goldstein GR, et al. **NY State Dent J** 1982 Jun–Jul;48(6):371–3 (3 ref.)

Use of an etched metal resin-bonded retainer in a patient with partial anodontia. Milhauser SA, et al. **NY State Dent J** 1982 Apr;48(4):243–6

As esthetic, enamel-bonded fixed prosthetic splint in rehabilitation. Rakow B, et al. **NY State Dent J** 1982 Apr; 48(4):236–8

The Rochette bridge–simple solution to a difficult problem. Marshall DW. **NZ Dent J** 1981 Oct;77(350):156–7

[Problematic nature and construction of an anchor with controllable and adjustable drawing force (a design proposal)] Reuter P. **Dtsch Zahnarztl Z** 1982 Jan;37(1):64–8 (Eng. Abstr.) **(Ger)**

[Design of intermediate bridge pontics] Schwickerath H. **Dtsch Zahnarztl Z** 1981;36(12):797–804 (Eng. Abstr.) **(Ger)**

[Prosthetic management of bucco-facial apraxia] Spirchez N, et al. **Fogorv Sz** 1981 Aug;74(8):239–40 **(Hun)**

[Removable partial denture. Its design and execution] Pezzoli M. **Minerva Stomatol** 1982 Mar–Apr;31(2):235–42 (Eng. Abstr.) **(Ita)**

[Clinical stages in the preparation of metal–ceramic prostheses using Soviet materials and instruments] Glazov OD, et al. **Stomatologiia (Mosk)** 1982 May–Jun;61(3):57–9 (Eng. Abstr.) **(Rus)**

[Reasons for gold losses at the separate stages of prosthesis preparation] Gusev IuP. **Stomatologiia (Mosk)** 1981 Sep–Oct;60(5):70–2 (Eng. Abstr.) **(Rus)**

[Production of an MK porcelain mass for the facing of the metal framework prepared from Soviet cobalt–chrome alloy] Karal'nik DM, et al. **Stomatologiia (Mosk)** 1982 May–Jun;61(3):53–4 (Eng. Abstr.) **(Rus)**

[Technological stages in preparing metal–ceramic prostheses using Soviet materials, instruments and equipment] Lobanov IF. **Stomatologiia (Mosk)** 1982 May–Jun; 61(3):59–62 (Eng. Abstr.) **(Rus)**

[Dental porcelain for metal–ceramic dental prostheses studied in the heating process] Stashevich EE, et al. **Stomatologiia (Mosk)** 1982 May–Jun;61(3):54–6 (Eng. Abstr.) **(Rus)**

INSTRUMENTATION

Fabrication of vacuum adapter for the construction of provisional coverage splints. Garver DG, et al. **J Prosthet Dent** 1982 Apr;47(4):457–8

Technique for making a template for temporary restorations. Smith CC, et al. **J Prosthet Dent** 1982 Feb;47(2):214–6

Dowel system for waxing pontics in fixed partial denture construction. von Krammer R. **J Prosthet Dent** 1982 Jan; 47(1):101–3

[Rational use of rotary instruments in partial dentures] Bogopolsky S, et al. **Actual Odontostomatol (Paris)** 1981; (134):325–46 (Eng. Abstr.) **(Fre)**

[Set of instruments for preparing dental prostheses using porcelain compounds] Demner LM, et al. **Med Tekh** 1982 May–Jun;(3):50–1 **(Rus)**

[ShM-2 apparatus for dental prosthesis treatment] Semiusov GG. **Med Tekh** 1982 May–Jun;(3):56–7 **(Rus)**

METHODS

[Clinical and technical laboratory problems of subgingival preparation borders] Sassen H. **Dtsch Zahnarztl Z** 1981 Apr;36(4):254–7 (Eng. Abstr.) **(Ger)**

[Determination of the orientation of the prosthetic plane] Branovački D, et al. **Med Pregl** 1980;33(11–12):485–7 (Eng. Abstr.) **(Scc)**

[Determination of the height of the bite in the redesign of complete prostheses] Branovački D, et al. **Med Pregl** 1980; 33(11–12):497–8 (Eng. Abstr.) **(Scr)**

STANDARDS

Standards of pontic design. Howard WW, et al. **J Prosthet Dent** 1982 May;47(5):493–5

DENTAL PROSTHESIS REPAIR

Evaluation of the bonding of three porcelain repair systems. Nowlin TP, et al. **J Prosthet Dent** 1981 Nov;46(5):516–8

METHODS

Fractured denture repairs. Johnson MH, et al. **J Am Dent Assoc** 1982 May;104(5):644–5

Technique for the immediate repair of removable partial denture facings. Shay JS, et al. **J Prosthet Dent** 1982 Jan; 47(1):104–6

DENTAL PROSTHESIS, SURGICAL see **DENTAL IMPLANTATION**

DENTAL PULP

see related
ENDODONTICS

Sensations on stimulating the pulps of human teeth, thresholds and tolerance ratio. Mumford JM, et al. **Pain** 1981 Jun;10(3):391–8

ANALYSIS

Developmental changes in the collagens and some collagenolytic activities in bovine dental pulps. Hayakawa T, et al. **Arch Oral Biol** 1981;26(12):1057–62

Distribution of type III collagen in the pulp parenchyma of the human developing tooth. Light and electron microscope immunotyping. Magloire H, et al. **Histochemistry** 1982;74(3):319–28

High-performance liquid chromatographic and field desorption mass spectrometric measurement of picomole amounts of endogenous neuropeptides in biologic tissue. Desiderio DM, et al. **J Chromatogr** 1981 Nov 6;217:437–52

ANATOMY & HISTOLOGY

Pulpal response to a glass–ionomer cement in primates. Pameijer CH, et al. **J Prosthet Dent** 1981 Jul;46(1):36–40

BLOOD SUPPLY

Inhibition of antidromic and substance P-induced vasodilatation by a substance P antagonist. Rosell S, et al. **Acta Physiol Scand** 1981 Mar;111(3):381–2

Revascularization of mouse tooth isografts and allografts using autoradiography and carbon-perfusion. Barrett AP, et al. **Arch Oral Biol** 1981;26(7):541–5

Use of dentine-fluid protein concentrations to measure pulp capillary reflection coefficients in dogs. Pashley DH, et al. **Arch Oral Biol** 1981;26(9):703–6

Vascular changes in replanted and autotransplanted apicoectomized mature teeth of dogs. Skoglund A. **Int J Oral Surg** 1981 Apr;10(2):100–10

Elastic (pseudoelastic tissue in arterioles of the human and dog dental pulp. Hals E, et al. **Scand J Dent Res** 1981 Jun;89(3):218–27

[Structure and vascularization of the dental pulp in horse incisors] Barasa A, et al. **Bull Assoc Anat (Nancy)** 1981 Dec;65(191):367–81 (Eng. Abstr.) **(Fre)**

[The evaluation of dental pulp circulation using photoplethysmography] Gherardi F, et al. **Boll Soc Ital Biol Sper** 1981 Dec 15;57(23):2313–6 (Eng. Abstr.) **(Ita)**

[Blood flow in pulp of canine teeth and its relationship to accumulation of some metals in the teeth of dogs (author's transl)] Omoto M, et al. **Nippon Eiseigaku Zasshi** 1982 Feb; 36(6):887–94 **(Jpn)**

DRUG EFFECTS

Microradiography, light and electron microscopy of the effects of calcium phosphate solutions on dentine and pulp of the ferret (Mustela putorius furo). Samarawickrama DY, et al. **Arch Oral Biol** 1981;26(11):915–21

Pulpal reaction to IRM cement: an intermediate restorative material containing eugenol. Brännström M, et al. **ASDC J Dent Child** 1981 Jul–Aug;48(4):259–63

The response of the rat molar pulp of two proprietary calcium hydroxide preparations. Paterson RC, et al. **Br Dent J** 1981 Sep 15;151(6):184–6

The response of the rat molar pulp to a glass ionomer cement. Paterson RC, et al. **Br Dent J** 1981 Oct 6;151(7):228–30

Mode of inhibition of activity of Na–K–ATPase in albino rabbit dental pulp by benzoyl peroxide. Kono Y, et al. **Comp Biochem Physiol [C]** 1981;70(1):35–9

Topical application of thyrocalcitonin on the exposed pulp of the rat molar. Perlmutter S, et al. **Isr J Dent Med** 1981 Sep;29(1–2):53–60

Pulpal response to a new adhesive restorative resin. Inokoshi S, et al. **J Dent Res** 1982 Aug;61(8):1014–9

Biological assessments of experimental cavity cleansers: correlation between in vitro and in vivo studies. Mjör IA, et al. **J Dent Res** 1982 Aug;61(8):967–72

Identification of significant variables for pulpal reactions to dental materials. Qvist V, et al. **J Dent Res** 1982 Jan; 61(1):20–4

Effect of cutting speeds and a cavity liner on the pulpal response to Nobetec. Bloch WW, et al. **J Oral Pathol** 1981 Apr;10(2):95–100

Effect of certain dental materials on human pulp in tissue culture. Das S. **Oral Surg** 1981 Jul;52(1):76–84

Capping of monkey pulps with Dycal and a Ca–eugenol cement. Hørsted P, et al. **Oral Surg** 1981 Nov;52(5):531–53

Histologic study of pulp capping in rat molars using calcitonin. Smith HS, et al. **Oral Surg** 1982 Mar;53(3):311–7

A comparison of pulp responses to two different materials in the dog and the rat. Watts A, et al. **Oral Surg** 1981 Dec;52(6):648–52

[Effect of collagen, hydroxylapatite and Geslastypt-S on a cell culture] Joos U, et al. **Dtsch Zahnarztl Z** 1982 Jan; 37(1):22–4 **(Ger)**

[Histological assessment of the effects of aspirin applied topically to exposed pulp] Deli R, et al. **Minerva Stomatol** 1981 Nov–Dec;30(6):455–61 (Eng. Abstr.) **(Ita)**

[Effect of KMnO4 on the pulp tissue in rat molar (author's transl)] Murai M, et al. **Kokubyo Gakkai Zasshi** 1981 Dec; 48(4):467–73 (Eng. Abstr.) **(Jpn)**

ENZYMOLOGY

Purification and properties of bovine dental-pulp alkaline-phosphatase. Harada M, et al. **Arch Oral Biol** 1982; 27(1):69–74

Polyacrylamide gel electrophoresis of the alkaline phosphatase of rat dental pulp. Tojyo Y, et al. **Arch Oral Biol** 1981;26(12):1099–100

IMMUNOLOGY

[Specific tissue component in the antigenic spectrum of rat dental pulp] Isaev VN, et al. **Stomatologiia (Mosk)** 1981 Sep–Oct;60(5):4–5 (Eng. Abstr.) **(Rus)**

INJURIES

Dental considerations in the sublabial trans-sphenoidal surgical approach to the pituitary gland. Watson SW, et al. **Neurosurgery** 1982 Feb;10(2):236–41

INNERVATION

Autoradiographic demonstration of ipsilateral and contralateral sensory nerve endings in cat dentin, pulp, and periodontium. Byers MR, et al. **Anat Rec** 1981 Oct; 201(2):249–60

The effect of buffer molarity on axonal exposure and axoaxonal apposition in the rat molar pulp. Holland GR. **Anat Rec** 1981 Nov;201(3):471–6

A fine-structural investigation on the extent of perineurial investment of the nerve supply to the pulp in rat molar teeth. Bishop MA. **Arch Oral Biol** 1982;27(3):225–34

Increased levels of Met-enkephalin-like material in the CSF of anaesthetized cats after tooth pulp stimulation. Cesselin F, et al. **Brain Res** 1982 Apr 15;237(2):325–38

Gap junctions on nerve-like structures in the human dental pulp, as demonstrated by freeze-fracturing. Köling A, et al. **Cell Biol Int Rep** 1982 May;6(5):419–20

Site and action of electroacupuncture-induced effects on the rat jaw-opening reflex. Iriki A. **Exp Neurol** 1982 Jan; 75(1):36–50

Stimulation of the cerebral peduncles modulates tooth pulp-evoked firing of trigeminal caudalis neurons. Saadé NE, et al. **Exp Neurol** 1981 Dec;74(3):930–4

Inhibition of the tooth pulp-evoked jaw opening reflex by stimulation of raphe nuclei in the rat. Tanaka H, et al. **Exp Neurol** 1982 Jul;77(1):102–12

Pulpal axons in developing, mature, and aging feline permanent incisors. A study by electron microscopy. Fried K, et al. **J Comp Neurol** 1981 Nov 20;203(1):23–36

Developmental growth and degeneration of pulpal axons in feline primary incisors. Fried K, et al. **J Comp Neurol** 1981 Nov 20;203(1):37–51

Effect of trigeminal tractotomy on dental sensation in humans. Young RF. **J Neurosurg** 1982 Jun;56(6):812–8

Primary afferent depolarization of tooth pulp afferents by stimulation in nucleus raphe magnus and the adjacent reticular formation in the cat: effects of bicuculline. Lovick TA. **Neurosci Lett** 1981 Sep 1;25(2):173–8

Dental pain and injection of agents into the trigeminal nucleus of guinea pigs. Brentegani LG, et al. **Physiol Behav** 1982 Jan;28(1):49–52

Effects of nitrous oxide inhalation on brain potentials evoked by auditory and noxious dental stimulation. Harkins SW, et al. **Prog Neuropsychopharmacol Biol Psychiatry** 1982; 6(2):167–74

[Adrenergic and cholinergic receptors of the dental pulp in the dog. Therapeutic perspectives using the transdentinal approach in pulp inflammation] Poulard J, et al. **Rev Odontostomatol (Paris)** 1982 Jan–Feb;11(1):65–9 **(Fre)**

[Electrophysiological investigation of pulpal changes due to arsenious acid in cats (author's transl)] Kanda M. **Kokubyo Gakkai Zasshi** 1981 Dec;48(4):457–66 (Eng. Abstr.) **(Jpn)**

[Interaction between the afferent nerve fibers of tooth pulp and those of other sensory areas in cats (author's transl)] Kimura H. **Kokubyo Gakkai Zasshi** 1981 Dec;48(4):353–61 (Eng. Abstr.) **(Jpn)**

METABOLISM

Tissue concentration and release of substance P-like immunoreactivity in the dental pulp. Brodin E, et al. **Acta Physiol Scand** 1981 Feb;111(2):141–9

Depletion of substance P-like immunoreactivity in the cat dental pulp by antidromic nerve stimulation. Gazelius B, et al. **Acta Physiol Scand** 1981 Mar;111(3):319–27

The presence of large amounts of type III collagen in bovine dental pulp and its significance with regard to the mechanism of dentinogenesis. Lechner JH, et al. **Arch Oral Biol** 1981;26(4):265–73

Synthesis of type I collagen by human odontoblast-like cells in explant culture: light and electron microscope immunotyping. Magloire H, et al. **Cell Mol Biol** 1981; 27(5):429–35

[Preliminary study on dental pulp of rabbits given a hypercholesterol diet] Bertelli E, et al. **Bull Group Int Rech Sci Stomatol Odontol** 1981 Sep; 24(3):147–55 (Eng. Abstr.) **(Fre)**

MICROBIOLOGY

Degradation of type I collagen fibrils synthesized by human dental pulp cells in explant exposed to Actinomyces viscosus. Electron microscope immunotyping. Magloire H, et al. **Experientia** 1981 Oct 15;37(10):1103–5

Bacterial invasion of pulpal dentin wall in vitro. Akpata ES, et al. **J Dent Res** 1982 Feb;61(2):435–8

PATHOLOGY

Examination of dental pulp to diagnose infantile neuroaxonal dystrophy. Carlo J, et al. **Arch Neurol** 1982 Jul;39(7):422–3

Histologic investigation of pulpal changes following maxillary and mandibular alveolar osteotomies in the dog. Zisser G, et al. **J Oral Maxillofac Surg** 1982 Jun;40(6):332–9

Pulpal and radicular response to maxillary osteotomy in monkeys. Nanda R, et al. **Oral Surg** 1982 Jun;53(6):624–36

[Current clinical reflections on the relation between the pulp and periodontium] Hitzig C, et al. **Actual Odontostomatol (Paris)** 1981;(135):517–24 **(Fre)**

[Pulp substance in teeth with periodontopathies without caries] Lovasi Z, et al. **Fogorv Sz** 1982 Jan;75(1):21–4 (Eng. Abstr.) **(Hun)**

PHYSIOLOGY

Masseter inhibitory periods and sensations evoked by electrical tooth pulp stimulation in patients with oral–facial pain and mandibular dysfunction. Sharav Y, et al. **Arch Oral Biol** 1982;27(4):305–10

Tooth pulp stimulation: a method of determining the analgesic efficacy of meptazinol in man. Gabka J, et al. **Br J Clin Pharmacol** 1982 Jul;14(1):104–6

Presynaptic excitability changes produced in brain stem endings of tooth pulp afferents by raphe and other central and peripheral influences. Dostrovsky JO, et al. **Brain Res** 1981 Aug 10;218(1–2):141–60

Effect of extra-alveolar period and storage media upon periodontal and pulpal healing after replantation of mature permanent incisors in monkeys. Andreasen JO. **Int J Oral Surg** 1981 Feb;10(1):43–53

Capping of the dental pulp mechanically exposed to the oral microflora -- a 5 week observation of wound healing in the monkey. Cox CF, et al. **J Oral Pathol** 1982 Aug; 11(4):327–39

Thermal conductive analysis of restored teeth by finite element method. Takahashi N. **J Oral Rehabil** 1982 Jan; 9(1):83–8

Synthesis and release of endorphins in trigeminal sensory nuclear complex induced by tooth pulp stimulation in the rat. Yonehara N, et al. **Jpn J Pharmacol** 1982 Apr; 32(2):391–3

Pulp response to dental caries induced by Streptococcus mutans. Paterson RC, et al. **Oral Surg** 1982 Jan;53(1):88–92

[Effect of catecholamines and their antagonists on the responses of the dental areas of the cerebral cortex evoked by dental pulp stimulation in the rabbit] Degtiarev VP, et al. **Farmakol Toksikol** 1981 Jul–Aug;44(4):404–6 (Eng. Abstr.) **(Rus)**

[Effect of serotonin and its antagonists on the evoked responses of the dental zones of the rabbit cerebral cortex during stimulation of the dental pulp] Degtiarev VP, et al. **Farmakol Toksikol** 1981 Nov–Dec;44(6):664–6 **(Rus)**

[Electrotest values in intact teeth] Mratinković D, et al. **Med Pregl** 1980;33(11–12):457–62 (Eng. Abstr.) **(Scr)**

PHYSIOPATHOLOGY

Pulpal changes in replanted and autotransplanted apicoectomized mature teeth of dogs. Skoglund A. **Int J Oral Surg** 1981 Apr;10(2):111–21

[Neurophysiological and biochemical basis of pulp–dentin sensitivity] Cohet M. **Actual Odontostomatol (Paris)** 1981; 136:675–82 (Eng. Abstr.) **(Fre)**

TRANSPLANTATION

Xenografts of human ameloblastoma tissue and odontogenic mesenchyme to hypothymic mice. Prime SS, et al. **Transplantation** 1982 May;33(5):561–2

ULTRASTRUCTURE

Ultrastructural alterations of human odontoblasts and collagen fibres in the pulpal border zone beneath early caries lesions. Magloire H, et al. **Cell Mol Biol** 1981; 27(5):437–43

Ultrastructure of initial calcification in wound healing following pulpotomy. Hayashi Y. **J Oral Pathol** 1982 Apr; 11(2):174–80

[Crystallographic and ultramicroscopic (SEM) study of pulp calcifications: preliminary results] De Rysky S, et al. **Bull Group Int Rech Sci Stomatol Odontol** 1981 Jun; 24(2):89–102 (Eng. Abstr.) **(Fre)**

[Scanning electron microscopic studies of the structure of the pulp surface and pulpodentinal border] Koçkapan C. **Dtsch Zahnarztl Z** 1981 Aug;36(8):529–33 (Eng. Abstr.) **(Ger)**

[On the sex determination of human teeth (author's transl)] Suenaga S. **Igaku Kenkyu** 1980 Jan;50(1):65–72 (Eng. Abstr.) **(Jpn)**

DENTAL PULP CALCIFICATION

PATHOLOGY

[Crystallographic and ultramicroscopic (SEM) study of pulp calcifications: preliminary results] De Rysky S, et al. **Bull Group Int Rech Sci Stomatol Odontol** 1981 Jun; 24(2):89–102 (Eng. Abstr.) **(Fre)**

[Secondary dentin and denticle formation of malposed teeth] Kreter F, et al. **Dtsch Zahnarztl Z** 1981 Jun;36(6):367–71 **(Ger)**

VETERINARY

[Pulp stones and cementicles in cattle, a goat, a dog, and a rat (author's transl)] Kuiper JD, et al. **Tijdschr Diergeneeskd** 1982 Jun 15;107(12):463–5 **(Dut)**

DENTAL PULP CAPPING

see related
CALCIUM HYDROXIDE

Long term clinical assessment of direct pulp capping. Baume LJ, et al. **Int Dent J** 1981 Dec;31(4):251–60 (81 ref.)

Capping of the dental pulp mechanically exposed to the oral microflora -- a 5 week observation of wound healing in the monkey. Cox CF, et al. **J Oral Pathol** 1982 Aug; 11(4):327–39

Capping of monkey pulps with Dycal and a Ca–eugenol cement. Hørsted P, et al. **Oral Surg** 1981 Nov;52(5):531–53

Histologic study of pulp capping in rat molars using calcitonin. Smith HS, et al. **Oral Surg** 1982 Mar;53(3):311–7

A comparison of pulp responses to two different materials in the dog and the rat. Watts A, et al. **Oral Surg** 1981 Dec;52(6):648–52

[Pulp capping using Caryosan] Pákh Z. **Fogorv Sz** 1981 Jul; 74(7):213–4 **(Hun)**

ADVERSE EFFECTS

Hematogenous infection of peritoneovenous shunts after dental procedures. Gilas T, et al. **Can J Surg** 1982 Mar; 25(2):215–6

METHODS

The interim restoration for the two-appointment indirect pulp therapy technique. McEvoy SA. **ASDC J Dent Child** 1981 Nov–Dec;48(6):417–9

Direct and indirect pulp capping with two new products. Sawusch RH. **J Am Dent Assoc** 1982 Apr;104(4):459–62

[Direct capping of human teeth with Lyodura] Albers HK. **Dtsch Zahnarztl Z** 1981 Jun;36(6):354–6 (Eng. Abstr.) **(Ger)**

DENTAL PULP CAVITY

Forces and efficacy in endodontic irrigation systems. Moser JB, et al. **Oral Surg** 1982 Apr;53(4):425–8

ABNORMALITIES

A nonparallel cast post and core technique for teeth with divergent canals. [letter] Wearn DI. **J Prosthet Dent** 1982 May;47(5):576

The relationship between crown size and the incidence of bifid root canals in mandibular incisor teeth. Warren EM, et al. **Oral Surg** 1981 Oct;52(4):425–9

ANALYSIS

The effects of decreasing surface tension on the flow of irrigating solutions in narrow root canals. Abou-Rass M, et al. **Oral Surg** 1982 May;53(5):524–6

Quantitative measurements of the diffusion in vitro of some aldehydes in root canals of human teeth. 's-Gravenmade EJ, et al. **Oral Surg** 1981 Jul;52(1):97–100

ANATOMY & HISTOLOGY

Preparation of space for posting: effect on thickness of canal walls and incidence of perforation in molars. Abou-Rass M, et al. **J Am Dent Assoc** 1982 Jun;104(6):834–7

An instrument for measuring root canal length and apex location. A rapid technique. Negm MM. **Oral Surg** 1982 Apr;53(4):405–9

Endodontic access to maxillary lateral incisors. Zillich RM, et al. **Oral Surg** 1981 Oct;52(4):443–5

INNERVATION

Projection of tooth pulp afferents to the brainstem and to the cortex in the cat. Keller O, et al. **Neurosci Lett** 1981 Sep 25;25(3):233–7

MICROBIOLOGY

The effect of chlorhexidine gluconate irrigation on the root canal flora of freshly extracted necrotic teeth. Delany GM, et al. **Oral Surg** 1982 May;53(5):518–23

Localization of blood-borne bacteria in instrumented unfilled root canals. Delivanis PD, et al. **Oral Surg** 1981 Oct; 52(4):430–2

Capnocytophaga found in root canal system of a nonvital tooth. Goodman AD, et al. **Oral Surg** 1982 Jun;53(6):622–3

Bacteriologic evaluation of the efficacy of mechanical root canal instrumentation in endodontic therapy. Byström A, et al. **Scand J Dent Res** 1981 Aug;89(4):321–8

Apical periodontitis induced by selected bacterial strains in root canals of immunized and nonimmunized monkeys. Dahlén G, et al. **Scand J Dent Res** 1982 Jun;90(3):207–16

Predominant indigenous oral bacteria isolated from infected root canals after varied times of closure. Fabricius L, et al. **Scand J Dent Res** 1982 Apr;90(2):134–44

PATHOLOGY

[An experimental study on the reactions of root canal open spaces to periapical tissues (author's transl)] Ichimaru N. **Kokubyo Gakkai Zasshi** 1982 Mar;49(1):155–67 (Eng. Abstr.) **(Jpn)**

PHYSIOLOGY

Root canal-simulating experimental model for evaluation of tissue responses to chronic influx of foreign fluid substances. Wesselink PR, et al. **J Dent Res** 1982 Jan; 61(1):44–8

PHYSIOPATHOLOGY

[Temperature characteristics of the dental cavity in root canal electrophoresis] Mamedova FM, et al. **Stomatologiia (Mosk)** 1981 Sep–Oct;60(5):26–8 (Eng. Abstr.) **(Rus)**

RADIOGRAPHY

[Comparative x-ray studies of root fillings with N2 and gutta-percha] Bernhöft J, et al. **Dtsch Zahnarztl Z** 1981 Apr;36(4):222–4 (Eng. Abstr.) **(Ger)**

ULTRASTRUCTURE

Scanning electron microscopy of casts of rat molar tooth pulp chambers. Weber DF, et al. **Arch Oral Biol** 1981; 26(9):697–702

The effects of cavity smear layer removal on experimental marginal leakage around amalgam restorations. Jodaikin A, et al. **J Dent Res** 1981 Nov;60(11):1861–6

A scanning electron microscope evaluation of root canal débridement with the endosonic ultrasonic synergistic system. Cunningham WT, et al. **Oral Surg** 1982 May; 53(5):527–31

DENTAL PULP DEVITALIZATION

METHODS

[Immediate and late results of using a devitalization method of treating pulpitis] Groshikov MI, et al. **Stomatologiia (Mosk)** 1982 Jan–Feb;61(1):28–31 (Eng. Abstr.) **(Rus)**

DENTAL PULP DISEASES

see related
ENDODONTICS

COMPLICATIONS

The endodontic–periodontic fistula. Report of a case. Rossman LE, et al. **Oral Surg** 1982 Jan;53(1):78–81

Dual sinus tracts from a single tooth. Report of a case. Weisman MI. **Oral Surg** 1981 Dec;52(6):653–6

DIAGNOSIS

Exploratory endodontic surgery. Salamat K, et al. **Oral Surg** 1981 Oct;52(4):437–42

[Pathology of the endodontal–periodontal system] Ingenito A, et al. **Minerva Stomatol** 1982 Jan–Feb;31(1):71–6 (Eng. Abstr.) **(Ita)**

DRUG THERAPY

[Antimicrobial effectiveness of different agents for treating and managing the infected root canal] Bössmann K, et al. **Dtsch Zahnarztl Z** 1981 Apr;36(4):217–21 **(Ger)**

IMMUNOLOGY

Humoral antibodies to anaerobic bacteria isolated from patients with pulpal–periapical disease. Keudell K, et al. **Oral Surg** 1982 Feb;53(2):194–7

OCCURRENCE

[Incidence of pulp diseases in the region of Novi Sad] Jović D, et al. **Med Pregl** 1980;33(11–12):515–7 (Eng. Abstr.) **(Scr)**

PATHOLOGY

[Endodontium and lateroradicular lesions] De Fazio P, et al. **Minerva Stomatol** 1982 Mar–Apr;31(2):249–56 (Eng. Abstr.) **(Ita)**

SURGERY

[Apical resection] Baart JA. **Rev Belge Med Dent** 1981 Sep; 36(5):204–9 **(Dut)**

[Contribution of the CO2 laser in the sterilization of various infections of dental origin] Melcer J. **Rev Stomatol Chir Maxillofac** 1982;83(2–3):146–51 (Eng. Abstr.) **(Fre)**

THERAPY

Reinforcement of nonvital crowned teeth. Stackhouse JA Jr. **J Am Dent Assoc** 1982 Jun;104(6):859–61

A combined endodontic-periodontic lesion. Its management and resolution. Rosenberg ES, et al. **J Clin Periodontol** 1981 Oct;8(5):369–74

Restoration of devitalized posterior tooth with a pin-retained onlay. Loeb H, et al. **J Prosthet Dent** 1981 Oct;46(4):408–10

Acute pulpal-alveolar cellulitis syndrome. III. Endodontic therapeutic factors and the resolution of a Candida albicans infection. Matusow RJ. **Oral Surg** 1981 Dec;52(6):630–4

[Cardiology and conservative dentistry. The impact of cardiopathies on dental treatment] Descrozailles C, et al. **Actual Odontostomatol (Paris)** 1981;(135):431–52 (Eng. Abstr.) **(Fre)**

DENTAL PULP EXPOSURE

METHODS

A procedure to achieve controlled pulp exposure: an explorative experiment. Thé GS. **J Oral Rehabil** 1982 May; 9(3):225–30

DENTAL PULP GANGRENE

MICROBIOLOGY

The effect of chlorhexidine gluconate irrigation on the root canal flora of freshly extracted necrotic teeth. Delany GM, et al. **Oral Surg** 1982 May;53(5):518–23

Influence on periapical tissues of indigenous oral bacteria and necrotic pulp tissue in monkeys. Möller AJ, et al. **Scand J Dent Res** 1981 Dec;89(6):475–84

DENTAL PULP STONES see **DENTAL PULP CALCIFICATION**

DENTAL PULP TEST

METHODS

[Simple method for the hot and cold test] Pezzoli M. **Minerva Stomatol** 1982 Mar-Apr;31(2):277–8 **(Ita)**

[Electrotest values in intact teeth] Mratinković D, et al. **Med Pregl** 1980;33(11–12):457–62 (Eng. Abstr.) **(Scc)**

DENTAL RADIOGRAPHY see **RADIOGRAPHY, DENTAL**

DENTAL RECEPTIONISTS see **DENTAL AUXILIARIES**

DENTAL RECORDS

Developing a forensic dental code and programme. Pierce L, et al. **Aust Dent J** 1982 Feb;27(1):16–21

The dental X-ray file of crew members in the Scandinavian Airlines System (SAS). Keiser-Nielsen S, et al. **Aviat Space Environ Med** 1981 Nov;52(11 Pt 1):691–5

A small radiograph (dental intra-oral) numbering system. Putney R, et al. **Phys Med Biol** 1982 Mar;27(3):431–5

DENTAL RESTORATION, PERMANENT

see related
ACRYLIC RESINS
DENTAL MATERIALS

Subcutaneous and retropharyngeal emphysema following dental restoration: an uncommon complication. Bavinger JV. **Ann Emerg Med** 1982 Jul;11(7):371–4

Use of amalgam and stainless steel restorations for primary molars. Dawson LR, et al. **ASDC J Dent Child** 1981 Nov-Dec;48(6):420–2

Marginal fracture of amalgam restorations. A review. Bryant RW. **Aust Dent J** 1981 Aug;26(4):222–4 (24 ref.)

The restoration of fractured incisors in children: a comparative clinical trial of a composite and a microfine filled resin. Tyas MJ. **Aust Dent J** 1982 Apr;27(2):77–80

Evaluation of content and vocal style in relaxation instructions. Corah NL, et al. **Behav Res Ther** 1981; 19(5):458–60

Lining materials for amalgam restorations. Lim MY, et al. **Br Dent J** 1982 May 4;152(9):313–5

Occlusion and restorative dentistry for the general practitioner. Part 1—Preliminary considerations and examination procedure. Wise MD. **Br Dent J** 1982 Feb 16;152(4):117–22

Occlusion and restorative dentistry for the general practitioner. Part 2—Examination of the occlusion and fabrication of study casts. Wise MD. **Br Dent J** 1982 Mar; 152(5):160–5

Occlusion and restorative dentistry for the general practitioner. Part 5–Principles and types of articulators and techniques for recording jaw positions–'jaw registration. Wise MD. **Br Dent J** 1982 Apr 20;152(8):277–87

Occlusion and restorative dentistry for the general practitioner. Part 3—The clinical significance of the examination findings. Wise MD. **Br Dent J** 1982 Mar 16; 152(6):197–202

Occlusion and restorative dentistry for the general practitioner. Part 4—The clinical significance of the examination findings. Wise MD. **Br Dent J** 1982 Apr 6; 152(7):235–41

Clinical evaluation of composite and amalgam posterior restorations: one year results. Derkson GD, et al. **Can Dent Assoc J** 1982 Jan;48(1):45–7

Quality assessment of amalgam restorations provided by Israeli dentists. Anaise JZ, et al. **Community Dent Oral Epidemiol** 1982 Feb;10(1):23–8

Preliminary investigation of the relationship between population DMFT scores and mix of restorative and exodontic needs. Spencer AJ. **Community Dent Oral Epidemiol** 1981 Oct;9(5):215–8

A clinical evaluation of occlusal composite and amalgam restorations: one- and two-year results. Gibson GB, et al. **J Am Dent Assoc** 1982 Mar;104(3):335–7

Defining conservative dentistry [letter] Howard CD. **J Am Dent Assoc** 1982 Feb;104(2):144, 146

Relationship between restorations and the level of the periodontal attachment. Than A, et al. **J Clin Periodontol** 1982 May;9(3):193–202

Basic techniques and materials for conservative dentistry. 2. Recent advances in restorative materials. Jacobsen PH, et al. **J Dent** 1981 Jun;9(2):95–100 (19 ref.)

Fissure sealants versus amalgams: clinical results over five years. Smales RJ. **J Dent** 1982 Jun;10(2):95–102

Current status of direct gold in teaching and licensure. Miranda FJ, et al. **J Dent Educ** 1982 May;46(5):290–2

Comprehensive evaluation in a preclinical restorative dentistry technique course. Shugars DA, et al. **J Dent Educ** 1981 Dec;45(12):801–3

Slots vs pins: a comparison of retention under simulated chewing stresses. Outhwaite WC, et al. **J Dent Res** 1982 Feb;61(2):400–2

Identification of significant variables for pulpal reactions to dental materials. Qvist V, et al. **J Dent Res** 1982 Jan; 61(1):20–4

Experimental microleakage around ageing dental amalgam restorations: a review. Jodaikin A. **J Oral Rehabil** 1981 Nov;8(6):517–26 (41 ref.)

Clinical evaluation of high copper amalgam restorations. Rydinge E, et al. **J Oral Rehabil** 1981 Nov;8(6):465–72

The gingival response to well-finished composite resin restorations: a 28-month report. Blank LW, et al. **J Prosthet Dent** 1981 Aug;46(2):157–60

Gingival tissue response to restoration of deficient cervical contours using a glass-ionomer material. A 12-month report. Garcia R, et al. **J Prosthet Dent** 1981 Oct; 46(4):393–8

Influence of proximal retention on the fracture strength of class II amalgam restorations. Mondelli J, et al. **J Prosthet Dent** 1981 Oct;46(4):420–4

Fracture strength of molars containing three surface amalgam restorations. Re GJ, et al. **J Prosthet Dent** 1982 Feb; 47(2):185–7

Effect of cavosurface treatment on marginal leakage in class V composite resin restorations. Retief DH, et al. **J Prosthet Dent** 1982 May;47(5):496–501

Accuracy of small base metal dental castings. Huget EF, et al. **Milit Med** 1981 Nov;146(11):764–6

Studies of electrochemical action in the oral cavity. Nilner K. **Swed Dent J [Suppl]** 1981;(9):1–42

[The degree of adaptability of restorative material (author's transl)] Hong FL. **Chung Hua Kou Chiang Ko Tsa Chih** 1982;17(1):47–50 **(Chi)**

[Residual caries as a cause of radiopaque zones beneath amalgam fillings] Pelkonen A, et al. **Proc Finn Dent Soc** 1981;77(6):350–5 (Eng. Abstr.) **(Fin)**

[Glass ionomer cement as a filling material for the tooth neck] Lampert F. **Dtsch Zahnarztl Z** 1982 Feb;37(2):191–3 **(Ger)**

[Tooth restoration with partial of full crowns] Przetak C. **Dtsch Zahnarztl Z** 1981 Apr;36(4):250 **(Ger)**

[Clinical and materials testing studies of worn plastic fillings. A pilot study] Venz S. **Dtsch Zahnarztl Z** 1982 Feb; 37(2):164–8 (Eng. Abstr.) **(Ger)**

[Depth of polymerisation of photopolymerizing filling plastics] Viohl J. **Dtsch Zahnarztl Z** 1982 Feb;37(2):194–6 (Eng. Abstr.) **(Ger)**

[Porcelain restoration materials: a clinical trial of Den-Mat and Ceramat] Belser UC. et al. **SSO Schweiz Monatsschr Zahnheilkd** 1982 Jan;92(1):29–32 (Eng. Abstr.) **(Ger)**

[Caries along the edge of the filling and its prevention by fluorides] Hotz PR. **SSO Schweiz Monatsschr Zahnheilkd** 1982 Apr;92(4):310–4 (Eng. Abstr.) **(Ger)**

[Porcelain restoration materials: experimental studies of the adhesive strength of different products] Notter OR, et al. **SSO Schweiz Monatsschr Zahnheilkd** 1982 Jan;92(1):33–7 (Eng. Abstr.) **(Ger)**

[Clinical follow-up of composite fillings] Nyárasdy I, et al. **Fogorv Sz** 1981 Jul;74(7):201–3 (Eng. Abstr.) **(Hun)**

[Clinical evaluation of fillings made of polymeric materials] Davidovich TP, et al. **Stomatologiia (Mosk)** 1981 Sep-Oct; 60(5):28–30 (Eng. Abstr.) **(Rus)**

[Characteristics of the adhesion to dental tissues of evicrol filling material based on scanning electron microscopic data] Doĭnikov AI, et al. **Stomatologiia (Mosk)** 1981; 60(4):13–5 (Eng. Abstr.) **(Rus)**

[Indices of the crown strength properties of the masticatory teeth after the filling of Class-1 cavities] Milikevich VIu, et al. **Stomatologiia (Mosk)** 1981;60(4):15–7 **(Rus)**

ADVERSE EFFECTS

Fracture resistance of lower molars with varying facioocclusolingual amalgam restorations. Re GJ, et al. **J Prosthet Dent** 1982 May;47(5):518–21

Streptococcus bovis meningitis following a dental procedure [letter] Longfield RN, et al. **JAMA** 1982 May 21; 247(19):2663

[Effect of composite fillings of the marginal periodontium and on plaque formation] Nyárasdy I, et al. **Fogorv Sz** 1981 Aug;74(8):231–4 **(Hun)**

ECONOMICS

Alloys for crown and bridgework. Brockhurst PJ, et al. **Aust Dent J** 1981 Oct;26(5):287–94

More statistics, less gold. Samson E. **Br Dent J** 1981 Oct 6;151(7):234

INSTRUMENTATION

A method of re-aligning bent pin-burs [letter] Hogan TP. **Br Dent J** 1982 Jun 1;152(11):371

[Interdental restoration overhangs: effective removal with newly developed dental instruments] Lutz F, et al. **SSO Schweiz Monatsschr Zahnheilkd** 1981 Nov; 91(11):969–82 **(Ger)**

[Surface roughness of composite resin polished by various techniques (author's transl)] Matsuura J. **Kokubyo Gakkai Zasshi** 1982 Mar;49(1):63–72 (Eng. Abstr.) **(Jpn)**

METHODS

Composite resins-current concepts. Black JB. **Ala J Med Sci** 1981 Oct;18(4):395–402 (64 ref.)

Dental cements: an overview. Sneed RE. **Ala J Med Sci** 1981 Oct;18(4):402–6

The effect on space conditions of unilateral grinding of carious proximal surfaces of primary molars—a longitudinal study. Ingers G, et al. **ASDC J Dent Child** 1982 Jan–Feb; 49(1):30–4

Rational restoration of endodontically treated teeth. II. Preparations for crowns. McKerracher PW. **Aust Dent J** 1981 Oct;26(5):282–6

Occlusion and restorative dentistry for the general practitioner. Wise MD. **Br Dent J** 1982 May 4; 152(9):316–22

Veneering amalgam restorations. Gourley JM, et al. **Can Dent Assoc J** 1982 Jan;48(1):49–50

Marginal leakage of obturations with composite materials and silicate cements—comparative experimental study. Tabakov N, et al. **Folia Med (Plovdiv)** 1981;23(2):58–62

Fracture resistance of molars [letter] Eames WB, et al. **J Am Dent Assoc** 1982 Jan;104(1):13, 16

The effects of bevel angulation on marginal integrity. Kashani HG, et al. **J Am Dent Assoc** 1981 Dec;103(6):882–5

The effects of cavity smear layer removal on experimental marginal leakage around amalgam restorations. Jodaikin A, et al. **J Dent Res** 1981 Nov;60(11):1861–6

Insertion techniques and adaptation of composite resin to cavity margins. Azarbal P, et al. **J Prosthet Dent** 1981 Jul; 46(1):66–70

Retentiveness of enamel-resin bonds using unfilled and filled resins. Hormati AA, et al. **J Prosthet Dent** 1982 May; 47(5):502–4

Inlays for retaining composite resin in anterior tooth restorations. Iglesias AM. **J Prosthet Dent** 1981 Oct; 46(4):411–3

Standardized sequence for carving and finishing amalgam restorations. Solow RA. **J Prosthet Dent** 1981 Nov; 46(5):519–24

Rebonding as a method of controlling marginal microleakage in composite resin restorations. Judes H, et al. **NY J Dent** 1982 May;52(5):137–43

[Crown and bridgework in cases with reduced alveolar bone and increased mobility] Grevers A. **Rev Belge Med Dent** 1982 May;37(3):93–6 **(Dut)**

[The shortened dental arch - philosophy, examination and clinical application] Käyser AF. **Rev Belge Med Dent** 1982 May;37(3):96–101 (Eng. Abstr.) **(Dut)**

[Animal experiment and clinical examinations of the medicinal root-filling paste Gangraena-Merz] Dietz G. **Dtsch Zahnarztl Z** 1981 Jun;36(6):382–5 **(Ger)**

[Amalgam filling before and after polishing: a scanning electron microscopic study] Gharevi N. **Dtsch Zahnarztl Z** 1981;36(12):845–53 (Eng. Abstr.) **(Ger)**

[Prognostically favorable management of defects using cast fillings] Mayer R. **Dtsch Zahnarztl Z** 1981 Apr;36(4):235–42 (Eng. Abstr.) **(Ger)**

[Biological proof of filling materials in the Götting miniature pig - a pilot study] Schmalz G. **Dtsch Zahnarztl Z** 1981 Jun;36(6):357–60 (Eng. Abstr.) **(Ger)**

[Effect of cavity liners in adhesive fillings] Schwickerath H, et al. **Dtsch Zahnarztl Z** 1982 Apr;37(4):336–8 (Eng. Abstr.) **(Ger)**

[Amalgam polish] Boitel RH. **SSO Schweiz Monatsschr Zahnheilkd** 1982 Apr; 92(4):349–50 **(Ger)**

STANDARDS

Proximoclusal composite restorations in primary molars: a two-year follow-up. Leifler E, et al.

ASDC J Dent Child 1981 Nov-Dec;48(6):411-6
Quality assessment of dental restorations provided to adult kibbutz residents in Israel. Anaise JZ.
Community Dent Oral Epidemiol 1982 Apr;10(2):66-3
Laboratory observations on the behavior of composite dental restoratives. Huget EF, et al. **Milit Med** 1982 Mar; 147(3):200-1
[Improvement in cast fillings and cast crowns] Boitel RH. **SSO Schweiz Monatsschr Zahnheilkd** 1981 Aug;91(8):580-1 **(Ger)**

TRENDS

Report of the Committee on Scientific Investigation of the American Academy of Restorative Dentistry. Phillips RW, et al. **J Prosthet Dent** 1982 Jun;47(6):654-80 (257 ref.)
[Lateral tooth composite/amalgam replacement: status of development] Mühlemann HR, et al. **SSO Schweiz Monatsschr Zahnheilkd** 1981 Nov;91(11):941 **(Ger)**

DENTAL RESTORATION, TEMPORARY

see related
ACRYLIC RESINS
DENTAL MATERIALS

Color characterization of provisional restorations. Christensen LC. **J Prosthet Dent** 1981 Dec;46(6):631-3

METHODS

The interim restoration for the two-appointment indirect pulp therapy technique. McEvoy SA. **ASDC J Dent Child** 1981 Nov-Dec;48(6):417-9

DENTAL SAC see under **TOOTH GERM**

DENTAL SERVICE, HOSPITAL

see related
DENTAL FACILITIES

[Report on a study trip to the USA] Sallay K. **Fogorv Sz** 1981 Jul;74(7):219-21 **(Hun)**

STANDARDS

JCAH to accept hospital dental program. Affeldt JE. **Hospitals** 1982 Mar 16;56(6):74

DENTAL STAFF

Laughing gas is no laughing matter [editorial] **Can Dent Assoc J** 1982 May;48(5):295
[Occupational exposure of dental office staffs to metallic mercury] Muszyńska-Zimna E. **Pol Tyg Lek** 1981 Aug 3; 36(31):1195-7 (Eng. Abstr.) **(Pol)**

DENTAL STONE, ARTIFICIAL see **CALCIUM SULFATE**

DENTAL STRESS ANALYSIS

Fracture resistance of mandibular molars with occlusal class I amalgam preparations. Re GJ, et al. **J Am Dent Assoc** 1981 Oct;103(4):580-3
Measurement of condylar loading forces by instrumented prosthesis in the baboon. Hohl TH, et al. **J Maxillofac Surg** 1982 Feb;10(1):1-7
The fracture toughness of dental composites. I. The development of strength and fracture toughness. Lloyd CH, et al. **J Oral Rehabil** 1982 Jan;9(1):55-66
The Dentatus screw: comparative stress analysis with other endodontic dowel designs. Standlee JP, et al. **J Oral Rehabil** 1982 Jan;9(1):23-33
Stress-relaxation testing. Part III: Influence of wire alloys, gauges, and lengths on clasp behavior. Brudvik JS, et al. **J Prosthet Dent** 1981 Oct;46(4):374-9
Flexure fatigue of 10 commonly used denture base resins. Johnston EP, et al. **J Prosthet Dent** 1981 Nov;46(5):478-83
Photoelastic analysis of stress patterns on teeth and bone with attachment retainers for removable partial dentures. Kratochvil FJ, et al. **J Prosthet Dent** 1981 Jul;46(1):21-8
The biologic and mechanical effects of stress on oral mucosa. Kydd WL, et al. **J Prosthet Dent** 1982 Mar;47(3):317-29
Force transmission by indirect retainers when a unilateral dislodging force is applied. McDowell GC, et al. **J Prosthet Dent** 1982 Apr;47(4):360-5
Modification of stresses surrounding abutment teeth for fixed partial dentures induced by various levels of periodontal support: a photoelastic study. Sulik WD, et al. **J Prosthet Dent** 1981 Jul;46(1):32-5
[Stress distributions around a staged implant in a model trial and its comparison to simple basic forms] Soltész U, et al. **Dtsch Zahnarztl Z** 1981 Sep;36(9):571-8 (Eng. Abstr.) **(Ger)**
[Prosthetic-orthodontic analysis of functional values of teeth as related to sex factors] Papić S, et al. **Med Pregl** 1980; 33(11-12):489-92 (Eng. Abstr.) **(Scr)**

INSTRUMENTATION

Clinical studies of strain behaviour of complete dentures. Obeid AA, et al. **J Biomed Eng** 1982 Jan;4(1):49-54
Fatigue testing of denture base polymers. Stafford GD, et al. **J Oral Rehabil** 1982 Mar;9(2):139-54

METHODS

A fracture study of the diametral compression test by means of high-speed photography. Ehrnford L. **Acta Odontol Scand** 1981;39(2):71-7
Stress distribution under high-pull extraoral chin cup traction. A photoelastic study. Alfredo de Alba J, et al. **Angle Orthod** 1982 Jan;52(1):69-78
Fractography of cast gypsum. Mori T, et al. **Aust Dent J** 1982 Feb;27(1):30-8
Direct measurement of loads at the temporomandibular joint in Macaca arctoides. Brehnan K, et al. **J Dent Res** 1981 Oct;60(10):1820-4
The fracture toughness of dental composites. II. The environmental and temperature dependence of the stress intensification factor (KIC). Lloyd CH. **J Oral Rehabil** 1982 Mar;9(2):133-8
Attaining harmonic occlusion through visualized strain analysis. Dawson PE, et al. **J Prosthet Dent** 1981 Dec; 46(6):615-22
Pressures involved in making upper edentulous impressions. Rihani A. **J Prosthet Dent** 1981 Dec;46(6):610-14
Photoelastic stress analysis of hemimandibulectomy bone reconstruction devices. Williams BR, et al. **Oral Surg** 1981 Sep;52(3):339-47
Bond strength of porcelain to dental alloys - an evaluation of two test methods. Oilo G, et al. **Scand J Dent Res** 1981 Jun;89(3):289-96
[The behavior of sealing cement at the cervical edge in fixed dentures. Analog study using photoelastometry] Vergé J, et al. **Rev Odontostomatol (Paris)** 1981 Nov-Dec; 10(6):421-5 **(Fre)**

DENTAL TECHNICIANS

Hepatitis B transmission from dental personnel to patients: unfinished business [editorial] Goodman RA, et al. **Ann Intern Med** 1982 Jan;96(1):119
Hydrofluoric acid burns. Moore PA, et al. **J Prosthet Dent** 1982 Mar;47(3):338-9
The dentist's role in fostering good dentist/laboratory/technician relations. Oster JA. **NY State Dent J** 1982 Jan;48(1):19-22

EDUCATION

Current trends in training dental laboratory technicians. Resk R. **NY State Dent J** 1982 Jan;48(1):26

DENTICLE see **DENTAL PULP CALCIFICATION**

DENTIFRICES

see related
MOUTHWASHES

The conditions occurring in vivo when brushing with toothpastes. Duke SA, et al. **Br Dent J** 1982 Jan 19; 152(2):52-4
Inorganic fluorides used in drinking-water and dental preparations.
IARC Monogr Eval Carcinog Risk Chem Hum 1982 Apr; 27:237-303
The release rate of fluorides: a new laboratory test for availability of therapeutic dentifrices. Hirschfeld Z, et al. **Isr J Dent Med** 1981 Sep;29(1-2):45-52
Will the manufacturer of the best fluoride dentifrice please stand [editorial] Scholie RH. **J Am Dent Assoc** 1981 Jun; 102(6):958
Evaluation of seven proprietary denture cleansers. Augsburger RH, et al. **J Prosthet Dent** 1982 Apr; 47(4):356-9
[Fluorine intake by human enamel following brushing with dentifrices with a high fluorine content: an in vitro study] Daculsi G, et al. **Bull Group Int Rech Sci Stomatol Odontol** 1981 Mar; 24(1):27-32 (Eng. Abstr.) **(Fre)**
[In vivo fluoridation by a dentifrice with a high fluorine content] Daculsi G, et al. **Bull Group Int Rech Sci Stomatol Odontol** 1981 Mar; 24(1):33-5 **(Fre)**

ADMINISTRATION & DOSAGE

Duration and pattern of toothbrushing in children using a gel or paste dentifrice. Kleber CJ, et al. **J Am Dent Assoc** 1981 Nov;103(5):723-6

ADVERSE EFFECTS

The rate of cervical abrasion in dental students. Nordbø H, et al. **Acta Odontol Scand** 1982;40(1):45-7
Are the days of toothpaste numbered? [letter] Cowell CR. **Br Dent J** 1982 Mar;152(5):151
Tongue brushing, dentifrice, and age effects on taste and smell. Hyde RJ, et al. **J Dent Res** 1981 Oct;60(10):1730-4
The surface roughness of restorative materials and dental tissues after polishing with prophylaxis and polishing pastes. Roulet JF, et al. **J Periodontol** 1982 Apr; 53(4):257-66
[Toothpaste in an epicutaneous test (author's transl)] Kvíčalová E, et al. **Cesk Dermatol** 1981 Dec;56(6):374-6 (Eng. Abstr.) **(Cze)**

ANALYSIS

An investigation of methods proposed for the analysis of the various forms of fluoride in toothpaste. Cook WD. **Aust Dent J** 1981 Oct;26(5):299-303
[In-vivo-evaluation of fluoride concentration in surface enamel after application of fluoride containing tooth paste (author's transl)] Treide A. **Zahn Mund Kieferheilkd** 1981; 69(4):233-40 (Eng. Abstr.) **(Ger)**
[The pH and surface tension-reducing potential of Hungarian-made toothpastes] Keszthelyi G, et al. **Fogorv Sz** 1981;74(5):145-7 (Eng. Abstr.) **(Hun)**
[Abrasive materials in toothpaste] Keszthelyi G, et al. **Fogorv Sz** 1981 Jun;74(6):174-9 (Eng. Abstr.) **(Hun)**

PHARMACODYNAMICS

Remineralization of artificial caries-like lesions in vivo by a self-administered mouthrinse or paste. Featherstone JD, et al. **Caries Res** 1982;16(3):235-42
Physical and chemical effects of toothpastes on dental enamel. Zero DT, et al. **J Dent Res** 1982 Mar;61(3):451-5
Disruption of complement-mediated reactions by insoluble dentifrice ingredients. Boackle RJ, et al. **J Periodontol** 1981 Oct;52(10):621-5
[Effect of enzyme-containing toothpastes on phosphorus penetration into the teeth and alveolar process] Tereshina TP, et al. **Stomatologiia (Mosk)** 1981;60(4):5-6 (Eng. Abstr.) **(Rus)**

THERAPEUTIC USE

Evaluation of Denquel Sensitive Teeth toothpaste. Council on Dental Therapeutics. **J Am Dent Assoc** 1982 Jul; 105(1):80
Fluoride uptake from in situ brushing with a SnF2 and a NaF dentifrice. Mobley MJ. **J Dent Res** 1981 Dec; 60(12):1943-8
[Plaque-decreasing effect of denture cleaning agents] Blumer F, et al. **SSO Schweiz Monatsschr Zahnheilkd** 1982 Feb; 92(2):105-18 (Eng. Abstr.) **(Ger)**
[Enzyme containing toothpaste] Birkeland JM, et al. **Nor Tannlaegeforen Tid** 1981 Jul;91(10):366-8 **(Nor)**

DENTIGEROUS CYST

ANALYSIS

Amoxicillin concentrations in serum, jaw cyst, and jawbone following a single oral administration. Akimoto Y, et al. **J Oral Maxillofac Surg** 1982 May;40(5):287-93

COMPLICATIONS

A large dentigerous cyst associated with a supernumerary tooth. Most DS, et al. **J Oral Maxillofac Surg** 1982 Feb; 40(2):119-20
[Swelling in the parotid area 12 years after a mandibular fracture] Virolainen E, et al. **Duodecim** 1982;98(3):205-6 (Eng. Abstr.) **(Fin)**

ETIOLOGY

An unusual case of dentigerous cyst due to mesiodens. Papadopoulos MS. **Br J Oral Surg** 1981 Dec;19(4):307-8

PATHOLOGY

Intramural and mural ameloblastoma. Schofield ID. **Can Dent Assoc J** 1981 Dec;47(12):792-4
The spontaneous disappearance of a large unilocular mandibular cyst. Storrs J. **Int J Oral Surg** 1981;10(Suppl 1):134-7
Large cyst of the mandible partially lined by ciliated epithelium. Hettwer KJ. **J Oral Maxillofac Surg** 1982 Mar; 40(3):185-7
[Maxillary bone cysts] Barrios JM, et al. **An Otorrinolaringol Ibero Am** 1982;9(2):135-40 (Eng. Abstr.) **(Spa)**

DENTIN

see related
ODONTOBLASTS

A study of freeze-dried (lyophilized) dentin used as an apical barrier in adult monkey teeth. Rossmeisl R, et al. **Oral Surg** 1982 Mar;53(3):303-10
[The effect of eugenol cement, CC, FC on the bonding strength of the adhesive resin to the tooth surface (author's transl)] Chang PI, et al. **Shika Rikogaku Zasshi** 1982 Jan; 23(61):93-7 (Eng. Abstr.) **(Jpn)**
[Studies on dental self-curing resins (20) - adhesion mechanism of 4-META/MMA-TBB resin to dentine (author's transl)] Nakabayashi N, et al. **Shika Rikogaku Zasshi** 1982 Jan;23(61):34-9 (Eng. Abstr.) **(Jpn)**
[Studies on dental self-curing resins (19) - adhesion of 4-META/MMA-TBB resin to pretreated dentine (author's transl)] Nakabayashi N, et al. **Shika Rikogaku Zasshi** 1982 Jan;23(61):29-33 (Eng. Abstr.) **(Jpn)**

ANALYSIS

The concentrations of Zn and Mg in human enamel and dentine related to age and their concentrations in the soil. Lappalainen R, et al. **Arch Oral Biol** 1981;26(1):1-6

Distribution of the EDTA-soluble non-collagenous organic matrix components of rabbit incisor dentine. Smith AJ, et al. **Arch Oral Biol** 1981;26(8):643-9

Occurrence of lysinoalanine in calcified tissue collagen. Fujimoto D, et al. **Biochem Biophys Res Commun** 1981 Dec 31;103(4):1378-83

Histidinoalanine, a new crosslinking amino aicd, in calcified tissue collagen. Fujimoto D, et al. **Biochem Biophys Res Commun** 1982 Feb 11;104(3):1102-6

Location of the intermolecular cross-links in bovine dentin collagen, solubilization with trypsin and isolation of cross-link peptides containing dihydroxylysinonorleucine and pyridinoline. Kuboki Y, et al. **Biochem Biophys Res Commun** 1981 Sep 16;102(1):119-26

Comparative molecular distribution of cross-link in bone and dentin collagen. Structure-function relationships. Kuboki Y, et al. **Calcif Tissue Int** 1982 May;34(3):306-8

Nonocollagenous proteins of dentin. Isolation and partial characterization of rat dentin proteins and proteoglycans using a three-step preparative method. Butler WT, et al. **Coll Relat Res** 1981 Feb;1(2):187-99

X-ray diffraction patterns in human dentin, enamel and synthetic apatites related to Zn concentration. Lappalainen R, et al. **Scand J Dent Res** 1981 Dec;89(6):437-44

[Derivatographic analysis of hard dental tissues from experimental animals treated with molybdenum and fluoride] Fejérdy P, et al. **Fogorv Sz** 1982 Apr;75(4):117-23 **(Hun)**

[Physiological significance of dentin phosphophoryn] Fujisawa T. **Kokubyo Gakkai Zasshi** 1981 Sep;48(3):308 **(Jpn)**

ANATOMY & HISTOLOGY

Surface area and pore size analysis for human enamel and dentine by water vapour sorption. Dibdin GH, et al. **Arch Oral Biol** 1982;27(3):235-41

The bond strength of polycarboxylic acid cements to dentine: effect of surface modification and time after extraction. Peddey M. **Aust Dent J** 1981 Jun;26(3):178-80

Improvement of polycarboxylate adhesion to dentine by the use of a new calcifying solution. An in vitro study. Causton BE, et al. **Br Dent J** 1982 Jan 5;152(1):9-11

The surface roughness of restorative materials and dental tissues after polishing with prophylaxis and polishing pastes. Roulet JF, et al. **J Periodontol** 1982 Apr; 53(4):257-66

Smear layer removal with chelating agents after cavity preparation. Jodaikin A, et al. **J Prosthet Dent** 1981 Aug; 46(2):171-4

Bond strengths of glass-ionomer and polycarboxylate cements to dentine. Hood JA, et al. **NZ Dent J** 1981 Oct; 77(350):141-4

[Topography of the tooth-silver amalgam junction. Study of ion exchanges at the interface] Auther A, et al. **Actual Odontostomatol (Paris)** 1981;136:609-19 (Eng. Abstr.) **(Fre)**

[Adhesion of 3 bonding cements in varying degrees of surface roughness of the dentin] Zumstein TA, et al. **Dtsch Zahnarztl Z** 1982 Jan;37(1):16-21 (Eng. Abstr.) **(Ger)**

DRUG EFFECTS

The effect of a NaF solution and a fluoride varnish on the acid resistance of root dentin. Tveit AB, et al. **Acta Odontol Scand** 1982;40(1):35-43

Ultramicroscopy of hypomineralized responses in rat incisor dentine to injected strontium. Ogawa Y, et al. **Arch Oral Biol** 1981;26(3):229-36

Microradiography, light and electron microscopy of the effects of calcium phosphate solutions on dentine and pulp of the ferret (Mustela putorius furo). Samarawickrama DY, et al. **Arch Oral Biol** 1981;26(11):915-21

The kinetics of mineralization of human dentin in vitro. Koutsoukos PG, et al. **J Dent Res** 1981 Dec;60(12):1922-8

The demineralizing efficiency of EDTA solutions on dentin. I. Influence of pH. Cury JA, et al. **Oral Surg** 1981 Oct; 52(4):446-8

The effect of EDTAC and the variation of its working time analyzed with scanning electron microscopy. Goldberg F, et al. **Oral Surg** 1982 Jan;53(1):74-7

Effect of fluorides on the demineralization of dentin. Hotz PR. **SSO Schweiz Monatsschr Zahnheilkd** 1981 Dec; 91(12):1093-9

[The medical treatment of dentin] De Moor J, et al. **Rev Belge Med Dent** 1982 Jan;37(1):16-9 **(Dut)**

[Influence of Berlocombin 200 and its components trimethoprim and mebacid upon the quality of dental hard tissues of rabbits (author's transl)] Radtke G, et al. **Zahn Mund Kieferheilkd** 1981;69(5):368-74 (Eng. Abstr.) **(Ger)**

[Mechanism of action of different etching agents on hard dental tissues] Shmal'ko NM, et al. **Stomatologiia (Mosk)** 1982 May-Jun;61(3):16-8 (Eng. Abstr.) **(Rus)**

GROWTH & DEVELOPMENT

Dentin apposition rate in dog teeth. Miani C, et al. **Minerva Stomatol** 1982 Jan-Feb;31(1):29-34

INJURIES

Follow-up study of permanent incisors with enamel-dentin fractures after acute trauma. Ravn JJ. **Scand J Dent Res** 1981 Oct;89(5):355-65

INNERVATION

Autoradiographic demonstration of ipsilateral and contralateral sensory nerve endings in cat dentin, pulp, and periodontium. Byers MR, et al. **Anat Rec** 1981 Oct; 201(2):249-60

Morphological research on the sensitivity of dentin. Gunji T. **Arch Histol Jpn** 1982 Feb;45(1):45-67

Dentin sensitivity, odontoblasts and nerves under desiccated or infected experimental cavities. A clinical, light microscopic and ultrastructural investigation. Lilja J, et al. **Swed Dent J** 1982;6(3):93-103

METABOLISM

Relationship between plasma, dentin and bone fluoride concentrations in rats following long-term fluoride administration. Ekstrand J, et al. **Acta Pharmacol Toxicol (Copenh)** 1981 May;48(5):433-7

Radioautography of rat incisor dentin as a continuous record of the incorporation of a single dose of 3H-labeled proline and tyrosine. Josephsen K, et al. **Am J Anat** 1982 May; 164(1):45-56

Fluoride-uptake and fluoride-residual of fluoride-treated human root dentine in vitro determined by chemical, scanning electron microscopy and X-ray diffraction analyses. Laufer B, et al. **Arch Oral Biol** 1981;26(3):159-63

Collagen metabolism in rat incisor predentine in vivo: synthesis and maturation of type I, alpha 1 (I) trimer, and type V collagens. Sodek J, et al. **Biochemistry** 1982 Apr 27;21(9):2011-5

Evidence for several gamma-carboxyglutamic acid-containing proteins in dentin. Linde A, et al. **Biochim Biophys Acta** 1982 Jun 4;704(2):235-9

Autoradiographic determination of the metabolic activity of protein in mature dentin. Hoppenbrouwers PM, et al. **J Dent Res** 1982 Jan;61(1):49-51

[Minerals in dentin matrix metabolism] Karjalainen S. **Proc Finn Dent Soc** 1982;78(1):42-6 **(Fin)**

[Investigations on dentin metabolic processes in the teeth of dogs via tetracycline fluorescence] Skopakoff C, et al. **Anat Anz** 1982;151(3):255-9 (Eng. Abstr.) **(Ger)**

MICROBIOLOGY

Bacterial invasion of pulpal dentin wall in vitro. Akpata ES, et al. **J Dent Res** 1982 Feb;61(2):435-8

PATHOLOGY

Large tubules in dentine. Miller J. **ASDC J Dent Child** 1981 Jul-Aug;48(4):269-71

Is there a change in the carious process? [letter] Stean HS. **Br Dent J** 1982 May 4;152(9):301

Interglobular dentine in first and third molars: relation to hours of sunshine during growth in two archeological populations from England. Ivanhoe F. **Calcif Tissue Int** 1982 Mar;34(2):136-44

[Transparent layer of carious dentin] Ogawa K. **Kokubyo Gakkai Zasshi** 1981 Sep;48(3):302 **(Jpn)**

PHYSIOLOGY

Use of dentine-fluid protein concentrations to measure pulp capillary reflection coefficients in dogs. Pashley DH, et al. **Arch Oral Biol** 1981;26(9):703-6

In-vivo fluid movement across dentine in the dog. Pashley DH, et al. **Arch Oral Biol** 1981;26(9):707-10

Histochemistry of lower vertebrate calcified structures. I. Enamel of the dogfish Squalus acanthius compared with mammalian enamel and homologous dentine. Everett MM, et al. **J Morphol** 1981 Oct;170(1):95-111

Quantitation of in vitro cell adhesion to cementum, dentin and enamel. Brastins ED, et al. **J Periodont Res** 1980 Nov; 15(6):599-602

Mineral aspects of dentistry. Driessens FC. **Monogr Oral Sci** 1982;10:1-215 (771 ref.)

PHYSIOPATHOLOGY

Dentin hydraulic conductance: changes produced by red blood cells. Pashley DH, et al. **J Dent Res** 1981 Oct; 60(10):1797-802

SURGERY

Caries, bacteria, the pulp and plastic restorations [letter] Lea MA. **Br Dent J** 1981 Oct 6;151(7):214-5

The effect of notching into dentin on new cementum formation during periodontal wound healing. Garrett S, et al. **J Periodont Res** 1981 May;16(3):358-61

TRANSPLANTATION

Regeneration of infrabony periodontal defects in humans after implantation of allogenic demineralized dentin. Movin S, et al. **J Clin Periodontol** 1982 Mar;9(2):141-7

Dentin matrix gelatin (DMG) as a possible 'universal' grafting material in periodontics. Gould TR, et al. **J Periodontol** 1982 Jan;53(1):22-5

ULTRASTRUCTURE

The incidence of dentinal tubules containing more than one process in the cuspal dentin of cat canine teeth. Holland GR. **Anat Rec** 1981 Aug;200(4):437-42

Ultrastructural localization of immunoglobulins in carious human dentine. Ackermans F, et al. **Arch Oral Biol** 1981; 26(11):879-86

The extent of the odontoblast process in rhesus monkeys (Macaca mulatta) as observed by scanning electron microscopy. Kelley KW, et al. **Arch Oral Biol** 1981; 26(11):893-7

Microscopy of resorption of enamel and dentine from the cusp tips of the molar teeth of rats. Sutcliffe JE, et al. **Arch Oral Biol** 1981;26(1):29-39

The effect of enamel acid etching on the lining of dentin. Garberoglio R, et al. **Bull Group Int Rech Sci Stomatol Odontol** 1981 Dec; 24(4):235-43

Electron-microscope study of the dentine-enamel junction of kangaroo (Macropus giganteus) teeth using selected-area argon-ion-beam thinning. Palamara J, et al. **Cell Tissue Res** 1981;221(2):405-19

Ultrastructural location of Streptococcus mutans and Streptococcus sanguis antigens in carious human dentine. Ackermans F, et al. **J Biol Buccale** 1981 Sep;9(3):203-17

Carious change of dentin observed on longspan ultrathin sections. Shimizu C, et al. **J Dent Res** 1981 Nov; 60(11):1826-31

Scanning electron microscopic observations of dentinal tubules in interglobular dentin. Toda Y, et al. **J Nihon Univ Sch Dent** 1981 Jun;23(2):71-8

Dentin permeability: effects of smear layer removal. Pashley DH, et al. **J Prosthet Dent** 1981 Nov;46(5):531-7

[Ultrastructural study of enamel and dentin in regional odontodysplasia] Kerebel B, et al. **J Biol Buccale** 1981 Sep; 9(3):243-52 (Eng. Abstr.) **(Fre)**

[Scanning electron microscopic studies of the structure of the pulp surface and pulpodentinal border] Koçkapan C. **Dtsch Zahnarztl Z** 1981 Aug;36(8):529-33 (Eng. Abstr.) **(Ger)**

[Dentin ultrastructural appearance under scanning electron microscopy] Marini R, et al. **Minerva Stomatol** 1982 Jan-Feb;31(1):35-8 (Eng. Abstr.) **(Ita)**

[New era in operative dentistry--comprehensive study on structure and removal of carious dentin] Fusayama T. **Kokubyo Gakkai Zasshi** 1982 Mar;49(1):1-17 (Eng. Abstr.) **(Jpn)**

DENTIN DYSPLASIA

PATHOLOGY

Dentin dysplasia type I: a clinical report. Petrone JA, et al. **J Am Dent Assoc** 1981 Dec;103(6):891-3

[Neurological manifestations of oculodentodigital dysplasia: a case report (author's transl)] Audry D, et al. **Rev Otoneuroophtalmol** 1981 May-Jun;53(3):209-14 (Eng. Abstr.) **(Fre)**

DENTIN PERMEABILITY see under **TOOTH PERMEABILITY**

DENTIN, SECONDARY

CHEMICALLY INDUCED

[Apical hard substances barriers following temporary root canal filling with calcium hydroxide; a response to Herforth and Seichter] Kreter F. **Dtsch Zahnarztl Z** 1981 Oct; 36(10):684 **(Ger)**

PATHOLOGY

[Secondary dentin and denticle formation of malposed teeth] Kreter F, et al. **Dtsch Zahnarztl Z** 1981 Jun;36(6):367-71 **(Ger)**

ULTRASTRUCTURE

Ultrastructure of initial calcification in wound healing following pulpotomy. Hayashi Y. **J Oral Pathol** 1982 Apr; 11(2):174-80

DENTIN SENSITIVITY

ETIOLOGY

Dentin sensitivity, odontoblasts and nerves under desiccated or infected experimental cavities. A clinical, light microscopic and ultrastructural investigation. Lilja J, et al. **Swed Dent J** 1982;6(3):93-103

[Dentin sensitivity. Study methods and working hypotheses] Charmeux A. **Actual Odontostomatol (Paris)** 1981; (134):347-60 (Eng. Abstr.) **(Fre)**

PATHOLOGY

Morphological research on the sensitivity of dentin. Gunji T. **Arch Histol Jpn** 1982 Feb;45(1):45-67

PHYSIOPATHOLOGY

[Neurophysiological and biochemical basis of pulp-dentin sensitivity] Cohet M. **Actual Odontostomatol (Paris)** 1981;

136:675–82 (Eng. Abstr.) (Fre)

THERAPY

Evaluation of Denquel Sensitive Teeth toothpaste. Council on Dental Therapeutics. **J Am Dent Assoc** 1982 Jul; 105(1):80

The effectiveness of an electro-ionizing toothbrush in the control of dentinal hypersensitivity. Johnson RH, et al. **J Periodontol** 1982 Jun;53(6):353–9

DENTINOGENESIS

Dentin Apposition rates as markers of primate growth. Molnar S, et al. **Am J Phys Anthropol** 1981 Aug; 55(4):443–53

The presence of large amounts of type III collagen in bovine dental pulp and its significance with regard to the mechanism of dentinogenesis. Lechner JH, et al. **Arch Oral Biol** 1981;26(4):265–73

[In vitro dentinogenesis of mice fetuses tooth germs in the presence of fluoride. Morphological nad historical observations] Triller M, et al. **C R Seances Acad Sci [III]** 1981 Nov 16;293(10):619–24 (Eng. Abstr.) (Fre)

[Secondary dentin and denticle formation of malposed teeth] Kreter F, et al. **Dtsch Zahnarztl Z** 1981 Jun;36(6):367–71 (Ger)

[Diurnal layer formation in the incisor dentin of rodents] Klevezal' GA. **Ontogenez** 1981;12(5):443–52 (Eng. Abstr.) (Rus)

DRUG EFFECTS

beta-Lumicolchicine as a tool to elucidate microtubular function in dentinogenesis. Dahl JE, et al. **Acta Odontol Scand** 1981;39(4):195–200

Comparison of the effect of colchicine and vinblastine on the inhibiton of dentinogenesis in rat incisors. Mataki S. **Arch Oral Biol** 1981;26(12):955–61

DENTINOGENESIS IMPERFECTA

FAMILIAL & GENETIC

Linkage between dentinogenesis imperfecta and Gc. Ball SP, et al. **Ann Hum Genet** 1982 Jan 1;46(Pt 1):35–40

PATHOLOGY

[Electron microscopic studies on the carious enamel in dentinogenesis imperfecta] Koçkapan C, et al. **Dtsch Zahnarztl Z** 1981 Oct;36(10):677–83 (Eng. Abstr.) (Ger)

REHABILITATION

Using laminate veneers to restore teeth affected with dentinogenesis imperfecta. Burgess JB, et al. **ASDC J Dent Child** 1982 May-Jun;49(3):173–5

Prosthetic treatment in a patient with osteogenesis imperfecta. Maetani T, et al. **Hiroshima J Med Sci** 1981 Mar;30(1):15–9

THERAPY

Treatment of dentinogenesis imperfecta in a child: report of case. Nayar AK, et al. **ASDC J Dent Child** 1981 Nov-Dec; 48(6):453–5

Dentinogenesis imperfecta. An integrated conservative approach to treatment. Mars M, et al. **Br Dent J** 1982 Jan 5;152(1):15–8

Thirteen-year-old boy with dentinogenesis imperfecta – pedodontic and orthodontic treatment. Larsson E, et al. **Swed Dent J** 1981;5(5–6):213–7

DENTIST-PATIENT RELATIONS

The visual feel in a dental practice. Ellis JM. **Dent Clin North Am** 1981 Oct;25(4):621–5

The dentist-patient relationship. Ayer WA. **Int Dent J** 1982 Mar;32(1):56–64 (54 ref.)

The effect of dentists' behaviors on fear-related behaviors in children. Weinstein P, et al. **J Am Dent Assoc** 1982 Jan; 104(1):32–8

Dentists' responses to fear- and nonfear-related behaviors in children. Weinstein P, et al. **J Am Dent Assoc** 1982 Jan; 104(1):38–40

Dentists and the oral health behavior of patients: a sociological perspective. Gallagher EB, et al. **J Behav Med** 1981 Sep;4(3):283–95 (0 ref.)

The lame, the halt, the blind, and the intact elderly person in the doctor's office. Lefer L. **J Oral Med** 1981 Oct-Dec; 36(4):90–6

Eight ways to avoid patient complaints. Asher RS. **NY State Dent J** 1981 Nov;47(9):526, 528

[Difficulties of the dental surgeon in the face of anguish and fear in the child] Belair MA. **Rev Odontostomatol (Paris)** 1981 May-Jun;10(3):247–52 (Fre)

[The practitioner and the child] Doual A. **Rev Odontostomatol (Paris)** 1981 May-Jun;10(3):253–6 (Fre)

[Psychological importance of the therapeutic act] Galinie A. **Rev Odontostomatol (Paris)** 1981 May-Jun;10(3):233–8 (Fre)

[Verbal communication in the dental office] Guillard MA. **Rev Odontostomatol (Paris)** 1981 May-Jun;10(3):223–31 (Fre)

[Attitude of the practitioner faced with a patient presenting with a orodental psychosomatic disorder] Ruel-Kellermann M. **Rev Odontostomatol (Paris)** 1981 May-Jun;10(3):265–9 (Fre)

[Caring, an act of creation] Voizot B. **Rev Odontostomatol (Paris)** 1981 May-Jun;10(3):203–6 (Fre)

[Dentist-patient relations: the psychological process in dentistry] Savary JP. **SSO Schweiz Monatsschr Zahnheilkd** 1981 Dec; 91(12):1045–60 (Eng. Abstr.) (Fre)

[Anxiety about the teeth and anxiety about the dentist] Battegay R. **SSO Schweiz Monatsschr Zahnheilkd** 1982 Mar;92(3):196–206 (Eng. Abstr.) (Ger)

DENTISTRY

Leon Schneyer memorial lecture remarks. Volker JF. **Ala J Med Sci** 1981 Jul;18(3):293–4

Dentistry at the crossroads: a study of professionalism [editorial] Dunning JM. **Am J Public Health** 1982 Jul; 72(7):651–2

Successful premedication of the dental patient. Lee MB. **Am Pharm** 1981 Sep;21(9):31–2

The New York Academy of Dentistry. Fellowship list, 1980—81. **Ann Dent** 1981 Winter;40(2):42–50

Advertising and commercial practice in the professions: dentistry and optometry. Waldman HB. **Ann Dent** 1981 Winter;40(2):32–4

Dental practice in South Australia. Gerke DC, et al. **Aust Dent J** 1981 Aug;26(4):248–51

Dentistry within the European Economic Community. **Br Dent J** 1981 Dec 15;151(12):401–2

Oral medicine and pathology in a developing country. Moody GH. **Br Dent J** 1981 Dec 15;151(12):429–31

Hepatitis B carriage and dental treatment [letter] Abbas AM, et al. **Br Med J [Clin Res]** 1981 Nov 21;283(6303):1400

Hepatitis B carriage and dental treatment [letter] Johnstone T. **Br Med J [Clin Res]** 1982 Feb 27;284(6316):661

Symposium on legal considerations in dentistry. **Dent Clin North Am** 1982 Apr;26(2):213–440

Advertising. Gero R, et al. **Dent Clin North Am** 1981 Oct; 25(4):721–4

Proprietary rights and unfair competition. Lehrer NE. **Dent Clin North Am** 1981 Oct;25(4):709–20

Decision analysis and dental malpractice suits. Narasimhan R. **Dent Clin North Am** 1982 Apr;26(2):411–21

Anatomy of a dental malpractice trial. Suhrheinrich RF, et al. **Dent Clin North Am** 1982 Apr;26(2):353–81

Dental providers in international perspective. Bonito AJ. **Int Dent J** 1981 Dec;31(4):286–94

Advertising in dentistry. Bentley JM, et al. **J Am Coll Dent** 1981 Winter;48(4):227–34

The honor of fellowship also means commitment and responsibility. DiBiaggio JA. **J Am Coll Dent** 1981 Fall; 48(3):146–50

Potential hazards of formaldehyde [letter] **J Am Dent Assoc** 1982 Mar;104(3):288

Dental education: need for a transition experience expressed by dental graduates. Council on Dental Education. Graham JW, et al. **J Am Dent Assoc** 1981 Jun;102(6):829–32

Dentistry on stamps. Kowitz A, et al. **J Am Dent Assoc** 1981 Sep;103(3):440

Dentistry on stamps. Loevy HT, et al. **J Am Dent Assoc** 1981 Oct;103(4):608

Dentistry on stamps. Loevy HT, et al. **J Am Dent Assoc** 1981 Dec;103(6):970

Implications of child abuse and neglect for the dental profession. Sanger RG, et al. **J Am Dent Assoc** 1982 Jan; 104(1):55–6

Dentistry and the behavioral/social sciences: an historical overview. Cohen LK. **J Behav Med** 1981 Sep;4(3):247–56 (0 ref.)

The probable effects of Federal Trade Commission actions on dentistry and dental education. Conrad DA, et al. **J Dent Educ** 1982 Mar;46(3):135–42

In defense of professionalism. Haffner AN. **J Dent Educ** 1982 Feb;46(2):65–7

The American Fund for Dental Health—a responsive catalyst. Heidkamp R. **J Dent Res** 1982 Jun;61(6):734–6

Neurophysiological and neuropsychological function in mercury-exposed dentists. Shapiro IM, et al. **Lancet** 1982 May 22;1(8282):1147–50

Say dental malpractice awards on the rise [news] Appleson G. **NY J Dent** 1982 May;52(5):150

Negligence in everyday dentistry. Gerughty RM, et al. **NY J Dent** 1981–82 Dec-Jan;52(1):15–19

Professional socialization in dentistry. A longitudinal analysis of attitude changes among dental students towards the dental profession. Eli I, et al. **Soc Sci Med** 1982;16(9):951–5

Some social aspects of dentistry. **Soc Sci Med [a]** 1981 Dec; 15A(6):743–823

[Mission and responsibility of dentistry] Schroeder A. **SSO Schweiz Monatsschr Zahnheilkd** 1982 Feb; 92(2):137–46 (Ger)

[A naval dentist in the North Sea—report on experiences] Schmidt L. **Z Arztl Fortbild (Jena)** 1981 May 15; 75(10):483–9 (Ger)

[Report on the current state of dental research in Hungary based on the guidelines set by the University and Ministry of Health] Bánóczy J, et al. **Fogorv Sz** 1982 Jan;75(1):5–10 (Hun)

[The journal Fogorvosi Szemle is 75 years old] Fábián T. **Fogorv Sz** 1982 Jan;75(1):1–3 (Hun)

[Advances in Hungarian dentistry since the time of Arkövy] Huszár G. **Orv Hetil** 1982 May 16;123(20):1243–6 (Hun)

[Norwegian cooperation project with Portugal] Silnes J, et al. **Nor Tannlaegeforen Tid** 1981 Nov;91(14):505–6 (Nor)

[Asepsis, antisepsis and disinfection: current problems in dental practice] Timoşca G, et al. **Rev Med Chir Soc Med Nat Iasi** 1981 Apr-Jun;85(2):359–65 (Rum)

[Practical introduction of research results in stomatology in the 11th Five-Year Plan] **Stomatologiia (Mosk)** 1982 May-Jun;61(3):4–6 (Rus)

METHODS

[Introduction of new functional diagnostic methods into clinical stomatology] Prokhonchukov AA. **Stomatologiia (Mosk)** 1982 May-Jun;61(3):6–11 (Rus)

STANDARDS

These cases could bear on every MD. Kerr AS. **Mich Med** 1982 May;81(24):264

New profession by fiat: Italian dentistry and the European Common Market. Orzack LH. **Soc Sci Med [a]** 1981 Dec; 15A(6):807–16

TRENDS

Dentistry at the crossroads: the future is uncertain: the challenges are many [editorial] Allukian M Jr. **Am J Public Health** 1982 Jul;72(7):653–4

Traditional and emerging forms of dental practice: another view. Bailit HL. **Am J Public Health** 1982 Jul;72(7):662–4

Traditional and emerging forms of dental practice. Cost, accessibility, and quality factors. Rovin S, et al. **Am J Public Health** 1982 Jul;72(7):656–62

Webb-Johnson Lecture. Decisions today for dentistry tomorrow. Kramer IR. **Br Dent J** 1982 Jan 19;152(2):43–7

Retail dentistry in the United States. Quam HM. **Br Dent J** 1981 Nov 3;151(9):307

The denturist movement. Part II: acceptance in Eastern Canada. MacEntee MI. **Can Dent Assoc J** 1981 Aug; 47(8):525–7

The denturist movement in Canada. Part I: Growth and development in the western provinces. MacEntee MI. **Can Dent Assoc J** 1981 Aug;47(8):521–4

The denturist movement in Canada. Part III: Current status and potential. MacEntee MI. **Can Dent Assoc J** 1981 Aug; 47(8):528–33

The commercialization of dentistry [editorial] Jacobs AD. **Int J Orthod** 1982 Mar;20(1):5–6

Professionalism endures through dentistry is changing. Societal pressures affect traditional concepts of professionalism. Haffner AN. **J Am Coll Dent** 1981 Fall; 48(3):151–5

Dentistry is at a crossroads. Kerr IL. **J Am Coll Dent** 1982 Spring;49(1):14–21

Dentistry: Washington perspective [news] **J Am Dent Assoc** 1981 Nov;103(5):703–11

Update on retail store dentistry, 1981. Council on Dental Practice, Council on Dental Care Programs, Bureau of Economic and Behavioral Research. **J Am Dent Assoc** 1982 Apr;104(4):498–500

Dentistry in the marketplace: an economic forecast [interview] Conrad DA, et al. **J Am Dent Assoc** 1982 Jan; 104(1):18–24 contd

Dentistry in the marketplace: an economic forecast. Part 2 [interview] Conrad DA, et al. **J Am Dent Assoc** 1982 Feb; 104(2):148–54

Some consequences of the increasing number of female American dentists. Waldman HB. **J Am Dent Assoc** 1981 Oct;103(4):563–7

Dental research in the 1980's. Page RC. **J Dent Res** 1982 Jul;61(7):838–9

Report of the Committee on Scientific Investigation of the American Academy of Restorative Dentistry. Phillips RW, et al. **J Prosthet Dent** 1982 Jun;47(6):654–80 (257 ref.)

Political action for the dentist [editorial] Evans BE. **NY J Dent** 1982 Apr;52(4):103–5

Presidential address. The profession in a changing world. Lang E. **NZ Dent J** 1981 Oct;77(350):135–7

[Changes in the world of the dentist] De Moor J, et al. **Rev Belge Med Dent** 1982 Mar;37(2):67–72 (Dut)

VETERINARY

Dentistry in the geriatric dog. Dorn AS. **Vet Clin North Am [Small Anim Pract]** 1981 Nov; 11(4):689–704

DENTISTRY FOR HANDICAPPED see **DENTAL CARE FOR HANDICAPPED**

DENTISTRY, OPERATIVE

Bacterial endophthalmitis and traumatic hyphema resulting from ocular injuries during dental procedures. Folk JC, et al. **Can J Ophthalmol** 1981 Jul;16(3):151–2

Myasthenia gravis—recommendations regarding dental or oral surgery. Aita JF. **Nebr Med J** 1981 Feb;66(2):35

[Testing the driving fitness after dental surgical interventions by means of an automobile simulator (author's transl)] Amos M, et al. **Zahn Mund Kieferheilkd** 1982;70(2):137–47 (Eng. Abstr.) **(Ger)**

[CT 1341 in ambulatory orodental surgery] Savoia G, et al. **Minerva Anestesiol** 1981 Oct;47(10):687–94 **(Ita)**

[Experience with rectal ketoprofen (Orudis) in dentistry] Re G, et al. **Minerva Stomatol** 1981 Sep–Oct;30(5):429–36 (Eng. Abstr.) **(Ita)**

[Surgery, dental care and infection in diabetic children (author's transl)] Meschi F, et al. **Pediatr Med Chir** 1981 Jan–Feb;3(1):23–5 **(Ita)**

EDUCATION

Teaching clinical problem solving in a preclinical operative dentistry course. Silvestri AR Jr, et al. **J Dent Educ** 1981 Nov;45(11):765–8

[Problem-oriented instruction in departments of operative surgery and topographical anatomy in the training of dentists] Toporov GN, et al. **Stomatologiia (Mosk)** 1982 Mar–Apr;(2):63–5 **(Rus)**

HISTORY

[The development of dental surgery at the RUG since 1930] Vanderdonck R. **Rev Belge Med Dent** 1981 May; 36(3):115–9 **(Dut)**

[The development of dental surgery at the Free University of Brussels 1950–'68 in the framework of the ULB unit; from 1969 to the present: as an independent university] Boute P. **Rev Belge Med Dent** 1981 May;36(3):120–3 **(Mul)**

INSTRUMENTATION

[Cofferdam, a guide for its use] Klauser RM. **SSO Schweiz Monatsschr Zahnheilkd** 1981 Jun;91(6):444–54 concl (Eng. Abstr.) **(Ger)**

[Cofferdam, a guide for its use] Klauser RM. **SSO Schweiz Monatsschr Zahnheilkd** 1981 May; 91(5):388–95 contd **(Ger)**

MANPOWER

[Dental assistants and dental surgeons: is a dialogue between the professionals necessary?] Malherbe G. **SSO Schweiz Monatsschr Zahnheilkd** 1981 Sep;91 Spec No:730–3 **(Fre)**

METHODS

[Effectiveness of using a biological glue for hemostasis in stomatological operations (experimental study)] Gigauri VS, et al. **Stomatologiia (Mosk)** 1982 May–Jun;61(3):25–7 (Eng. Abstr.) **(Rus)**

DENTISTS

Hepatitis B transmission from dental personnel to patients: unfinished business [editorial] Goodman RA, et al. **Ann Intern Med** 1982 Jan;96(1):119

Trace metals in dental practitioners: a three-year study. Carrel R, et al. **ASDC J Dent Child** 1981 May–Jun; 48(3):205–7

Two child abuse/child neglect examinations for the dentist. Kittle PE, et al. **ASDC J Dent Child** 1981 May–Jun; 48(3):175–80

Fear of dentists as an inhibiting factor in children's use of dental services. Kleiman MB. **ASDC J Dent Child** 1982 May–Jun;49(3):209–13

Management of the encounter between dentist and parent. Pinkham JR. **ASDC J Dent Child** 1982 Mar–Apr; 49(2):107–11

A peer review programme in the community dental service. Perkins PC. **Br Dent J** 1982 Feb 16;152(4):137–9

Hepatitis B: a one-year. Epstein JB, et al. **Can Dent Assoc J** 1982 May;48(5):327–30

Public image of dentists and dental visits in Finland. Murtomaa H, et al. **Community Dent Oral Epidemiol** 1982 Jun;10(3):133–6

Options other than clinical dental practice. Abrams RA. **Dent Clin North Am** 1981 Oct;25(4):757–62

The dentist accused of criminal misconduct. Deday LaRene NC. **Dent Clin North Am** 1982 Apr;26(2):401–4

Dentists, lawyers, and values: suggestions for professional rapprochement. Gibson JM. **Dent Clin North Am** 1982 Apr; 26(2):229–43 (44 ref.)

The dentist as expert witness. Meckler M. **Dent Clin North Am** 1982 Apr;26(2):383–8

Purchasing an existing practice. Ramer E. **Dent Clin North Am** 1981 Oct;25(4):587–94

Estate planning: an overview. Rosenbloom MS. **Dent Clin North Am** 1981 Oct;25(4):695–708

Contracts and dentistry. Tierney K. **Dent Clin North Am** 1982 Apr;26(2):281–6 (7 ref.)

A role for dentistry in managing the oro-nasopharyngeal irradiated cancer patient. Britt MR. **Henry Ford Hosp Med J** 1981;29(3):131–6

Did you treat a drug addict today? Rosenbaum CH. **Int Dent J** 1981 Dec;31(4):307–12

The dual responsibility of dentistry in child abuse. Sperber N. **Int J Orthod** 1981 Sep;19(3):21–8

Effect of turbine dental drill noise on dentists' hearing. Man A, et al. **Isr J Med Sci** 1982 Apr;18(4):475–7

Citations, honors and awards presented at the 1981 convocation. **J Am Coll Dent** 1981 Winter;48(4):214–26

California establishes the Dentists Insurance Company. de Julien LF Jr. **J Am Coll Dent** 1981 Winter;48(4):224–6

Bankruptcies among dentists. Council on Dental Practice, Bureau of Economic and Behavioral Research. **J Am Dent Assoc** 1982 Jan;104(1):65–7

Arm pain in a dentist: pronator syndrome. Adelman S, et al. **J Am Dent Assoc** 1982 Jul;105(1):61–2

Quantitation of hepatitis B viral markers in a dental school population. Bass BD, et al. **J Am Dent Assoc** 1982 May; 104(5):629–32

Hepatitis B vaccine: implications for dental personnel. Cooley RL, et al. **J Am Dent Assoc** 1982 Jul;105(1):47–9

Indebtedness of dental school graduates and the effects on the type and location of their dental practice. Council on Dental Education. Graham JW. **J Am Dent Assoc** 1981 Jun;102(6):836–9

A survey of the use of selected drugs in dental practice. Picozzi A, et al. **J Am Dent Assoc** 1981 Oct;103(4):597–9

Dental providers and oral health behavior. Ayer WA. **J Behav Med** 1981 Sep;4(3):273–82 (0 ref.)

An x-ray fluorescence technique to measure the mercury burden of dentists in vivo. Bloch P, et al. **Med Phys** 1981 May–Jun;8(3):308–11

New York State and United States dentists—some differences and similarities. Waldman HB. **NY J Dent** 1982 Mar; 52(3):75–82

Dermatitis — a dentist's occupational hazard. Caruso RJ. **NY State Dent J** 1981 Nov;47(9):543, 545

The dentist's role in fostering good dentist/laboratory/technician relations. Oster JA. **NY State Dent J** 1982 Jan;48(1):19–22

Better communication for better service. Ralston D. **NY State Dent J** 1982 Jan;48(1):24–5

Personalities of importance in the early days of New Zealand dentistry. Stockwell RF. **NZ Dent J** 1981 Jul;77(349):102–5

Oral cancer screening in the dental office. Amsel Z, et al. **Prog Clin Biol Res** 1982;83:163–74

Recreational and community activities of dentists. Borkman TS, et al. **Soc Sci Med [a]** 1981 Dec;15A(6):761–5

Dentists' preferred sources of new drug information and their attitudes toward the use of drugs by patients. Murray BP. **Soc Sci Med [a]** 1981 Dec;15A(6):781–8

[Stereotypes in the image of dental surgeons] Descamps MA. **Rev Odontostomatol (Paris)** 1981 May–Jun;10(3):207–15 **(Fre)**

[Hepatitis in dentists and dental assistants in Munich] Marshall M, et al. **Dtsch Zahnarztl Z** 1981 Aug;36(8):488–92 (Eng. Abstr.) **(Ger)**

[Hepatitis B virus hazard of dentists and dental assistants] Scheiermann N, et al. **Dtsch Zahnarztl Z** 1981 Oct; 36(10):614–8 (Eng. Abstr.) **(Ger)**

[Dental practice and hepatitis B.—A review of some recent investigations (author's transl)] Okada S. **Kokubyo Gakkai Zasshi** 1981 Sep;48(3):255–60 (25 ref.) **(Jpn)**

[One case of a dentist with cervicobrachial syndrome induced by professional labor (author's transl)] Matsumoto T, et al. **Sangyo Igaku** 1981 Sep;23(5):530–6 (Eng. Abstr.) **(Jpn)**

[Mercury levels in the hair of dentists as an index of occupational exposure] Kostenko IV, et al. **Gig Tr Prof Zabol** 1982 Mar;(3):44–5 **(Rus)**

LEGISLATION & JURISPRUDENCE

[A long gestation and a labored childhood: dentistry today in Switzerland] Held AJ. **SSO Schweiz Monatsschr Zahnheilkd** 1981 Oct; 91(10):769–857 **(Fre)**

PSYCHOLOGY

The personalities of dentists as a factor in the use of nitrous oxide relative analgesia. Gaffney TJ, et al. **Aust Dent J** 1981 Dec;26(6):387–9

Attitudes concerning water fluoridation among Swedish dentists in 1975. Petterson EO. **Community Dent Oral Epidemiol** 1981 Jun;9(3):117–21

The emotional reaction of dentists to malpractice suits. Goodwin WW. **Dent Clin North Am** 1982 Apr;26(2):405–9

Dentists' perceptions of problem behaviors in patients. Corah NL, et al. **J Am Dent Assoc** 1982 Jun;104(6):829–33

Professional satisfaction in dentistry. Lange AL, et al. **J Am Dent Assoc** 1982 May;104(5):619–24

Dentists' attitudes toward and knowledge of the elderly. Kiyak HA, et al. **J Dent Educ** 1982 May;46(5):266–73

Attitudes of male dental practitioners towards female dentists in New Zealand. Pack AR. **NZ Dent J** 1981 Oct; 77(350):150–3

SUPPLY & DISTRIBUTION

Migration of dentist into Australia. Spencer AJ. **Aust Dent J** 1982 Feb;27(1):11–5

The dental workforce 1981: a position statement to members. Wall CH, et al. **Aust Dent J** 1981 Oct;26(5):351–9

The regional distribution of dentists in Scotland. Gray AM. **Health Bull (Edinb)** 1981 Nov;39(6):344–50

Educational costs and the decrease in dentists: one state's experience. Stahl DG, et al. **J Am Dent Assoc** 1981 Jun; 102(6):845–6

The role of dental education in the distribution of dental personnel. Call RL, et al. **J Public Health Dent** 1981 Fall; 41(4):245–54

The supply and distribution of dentists in New York City. Israel M, et al. **NY State Dent J** 1981 Dec;47(10):646–9

[Changes in the world of the dentist] De Moor J, et al. **Rev Belge Med Dent** 1982 Mar;37(2):67–72 **(Dut)**

DENTISTS, WOMEN

Women in dentistry. Todd LA, et al. **Dent Clin North Am** 1981 Oct;25(4):745–55

Women in dentistry [letter] **J Am Dent Assoc** 1982 Jan; 104(1):8, 10

Some consequences of the increasing number of female American dentists. Waldman HB. **J Am Dent Assoc** 1981 Oct;103(4):563–7

Attitudes of male dental practitioners towards female dentists in New Zealand. Pack AR. **NZ Dent J** 1981 Oct; 77(350):150–3

[Hepatitis B virus hazard of dentists and dental assistants] Scheiermann N, et al. **Dtsch Zahnarztl Z** 1981 Oct; 36(10):614–8 (Eng. Abstr.) **(Ger)**

PSYCHOLOGY

The role of psychological androgyny in female students' dental career choices. Hamby CL. **J Dent Educ** 1982 Sep; 46(9):537–40

DENTITION

The dentition of the Lengua indians of Paraguay. Kieser JA, et al. **Am J Phys Anthropol** 1981 Aug;55(4):485–90

The Carabelli trait in Australian aboriginal dentition. Townsend GC, et al. **Arch Oral Biol** 1981;26(10):809–14

Developing pongid dentition and its use for ageing individual crania in comparative cross-sectional growth studies. Dean MC, et al. **Folia Primatol (Basel)** 1981;36(1–2):111–27

A suggested classification of bite marks in foodstuffs in forensic dental analysis. Webster G. **Forensic Sci Int** 1982 Jul–Aug;20(1):45–52

Skeletal and dental retardation in beta-thalassemia major. Laor E, et al. **Hum Biol** 1982 Feb;54(1):85–92

Comparison of typical chewing patterns in normal children and adults. Gibbs CH, et al. **J Am Dent Assoc** 1982 Jul; 105(1):33–42

Effects of age and dentition status on measures of food acceptability. Wayler AH, et al. **J Gerontol** 1982 May; 37(3):294–9

Emergence of the permanent dentition: ethnic variability among Israeli children. Koyoumdjisky-Kaye E, et al. **Z Morphol Anthropol** 1981;72(3):267–82

[The teeth and classical and modern painting] Jacobs N. **Actual Odontostomatol (Paris)** 1981;136:631–51 (Eng. Abstr.) **(Fre)**

[Emergence of primary teeth in French-Canadian children] Lauzier C, et al. **Union Med Can** 1981 Dec;110(12):1061–4 (Eng. Abstr.) **(Fre)**

[The history of research in dentition, seen as a means of developmental diagnosis (author's transl)] Szymanski B, et al. **Arztl Jugendkd** 1981;72(5):304–26 (Eng. Abstr.) **(Ger)**

[Sex differences in the physical development of children: skeleton and tooth maturation as indicators of sex-typical growth processes] Degenhardt A. **Z Morphol Anthropol** 1981;72(3):247–66 (Eng. Abstr.) **(Ger)**

[Construction morphologic examinations of the dentition of hominoid primates] Maier W, et al. **Z Morphol Anthropol** 1981;72(2):127–69 (Eng. Abstr.) **(Ger)**

[Effect of sociomedical factors on the state of dentition in preschool children from a rural area of Szczecin Province] Miętkiewska B. **Ann Acad Med Stetin** 1981;27:353–71 (Eng. Abstr.) **(Pol)**

RADIATION EFFECTS

[A patient with abnormalities in the oro-facial region following radiotherapy at an early age] Roeters FJ, et al. **Tijd Kindergeneeskd** 1981 Jun;49(3):99–102 (Eng. Abstr.) **(Dut)**

DENTITION, MIXED

see related
SERIAL EXTRACTION

Mandibular movement in angle class III malocclusion in the mixed dentition. Kawata T, et al. **Angle Orthod** 1982 Jan; 52(1):61–8

Comparison of typical chewing patterns in normal children and adults. Gibbs CH, et al. **J Am Dent Assoc** 1982 Jul; 105(1):33–42

The probability of primary tooth exfoliation: a reference source for programs that treat children during their mixed dentition. Leske GS, et al. **J Public Health Dent** 1981 Fall; 41(4):236–43

Tooth size prediction in the mixed dentition. Cunat JJ. **NY State Dent J** 1982 Feb;48(2):88–91

DENTOALVEOLAR ABSCESS, APICAL see PERIAPICAL ABSCESS

DENTURE BASES

A comparative study of 3 denture base materials. Murphy

WM, et al. **Br Dent J** 1982 Apr 20;152(8):273–6
The nature of the interface between polymethyl methacrylate denture base materials and soft lining materials. Amin WM, et al. **J Dent** 1981 Dec;9(4):336–46
The design of the partial denture framework. 2. Preventing movement of the partial denture base. Nairn RI. **J Dent** 1981 Jun;9(2):157–70
Stabilization of record bases in the construction of complete dentures. Garver DG. **J Prosthet Dent** 1982 Mar;47(3):342
Effect of denture base thermal conductivity on gustatory response. Kapur KK, et al. **J Prosthet Dent** 1981 Dec; 46(6):603–9
Vertical space for denture bases—without surgery. Mitchener RW. **J Prosthet Dent** 1982 Apr;47(4):354–5
Constructing stable record bases for removable partial dentures. Radue JT, et al. **J Prosthet Dent** 1981 Oct; 46(4):463
Effect of two clasping assemblies on arch integrity as modified by base adaptation. Taylor DT, et al. **J Prosthet Dent** 1982 Feb;47(2):120–5
[Acrylic resins as prosthesis material] Eystein Ruyter I. **Nor Tannlaegeforen Tid** 1981 Sep;91(12):443–4 **(Nor)**
[Indications for using removable prostheses with cast metal bases] Gavrilov EI, et al. **Stomatologiia (Mosk)** 1981 Sep–Oct;60(5):61–3 (Eng. Abstr.) **(Rus)**
[Changes in the properties of a bacryl base material in a model environment] Sydygaliev K. **Stomatologiia (Mosk)** 1982 Mar–Apr;(2):59–60 (Eng. Abstr.) **(Rus)**

ADVERSE EFFECTS

The cytotoxic effect of denture base polymers. Hensten-Pettersen A, et al. **Acta Odontol Scand** 1981; 39(2):101–6
Allergy to acrylic resin denture base. Tucker TN. **J Prosthet Dent** 1981 Dec;46(6):602
[Indications for using removable prostheses with cast metal bases] Gavrilov EI, et al. **Stomatologiia (Mosk)** 1981 Sep–Oct;60(5):61–3 (Eng. Abstr.) **(Rus)**

STANDARDS

A status report on resilient denture base materials. Council on dental materials, instruments, and equipment. **J Am Dent Assoc** 1981 Sep;103(3):450–1
Fatigue testing of denture base polymers. Stafford GD, et al. **J Oral Rehabil** 1982 Mar;9(2):139–54
Flexure fatigue of 10 commonly used denture base resins. Johnston EP, et al. **J Prosthet Dent** 1981 Nov;46(5):478–83

DENTURE CLEANSERS see under **DENTIFRICES**

DENTURE, COMPLETE

see related
MOUTH, EDENTULOUS

Dental management of a patient with histiocytosis X. Valencia RM, et al. **ASDC J Dent Child** 1981 Jul–Aug; 48(4):294–6
Clinical evaluation of the wax trial denture. Desjardins RP. **J Am Dent Assoc** 1982 Feb;104(2):184–90
Frequency of Candida albicans serotypes in patients with denture-induced stomatitis and in normal denture wearers. Martin MV, et al. **J Clin Pathol** 1982 Aug;35(8):888–91
Nasal support prostheses. Adams D. **J Dent** 1982 Jun; 10(2):131–5
Sonographic analysis of speech sounds with varying positions of the upper anterior teeth. Ritchie GM, et al. **J Dent** 1982 Mar;10(1):17–27
Biometric trays for complete denture construction. Watt DM. **J Dent** 1981 Jun;9(2):126–32
Peer review and quality assessment in complete denture education. Novetsky M, et al. **J Dent Educ** 1981 Nov; 45(11):763–4
Perception of vertical dimension. Gamon JA, et al. **J Oral Rehabil** 1982 Jul;9(4):307–16
Identifying the denture space. Neill DJ, et al. **J Oral Rehabil** 1982 May;9(3):259–77
Patient-assisted esthetics. Brigante RF. **J Prosthet Dent** 1981 Jul;46(1):14–20
A prosthodontic technique for the ramus endosseous frame implant. Davidson TJ, et al. **J Prosthet Dent** 1982 May; 47(5):535–8 (22 ref.)
'Invisible' denture identification: a forensic aid. Davis DJ. **J Prosthet Dent** 1982 Aug;48(2):221
Stabilization of record bases in the construction of complete dentures. Garver DG. **J Prosthet Dent** 1982 Mar;47(3):342
A quick technique for boxing impressions. MacPherson JH, et al. **J Prosthet Dent** 1982 Aug;48(2):220
Endodontic abutments and complete dentures. Parkinson CF. **J Prosthet Dent** 1982 Jun;47(6):600–2
Custom metal occlusal surfaces for acrylic resin denture teeth. Schneider RL. **J Prosthet Dent** 1981 Jul;46(1):98–101
Functionally generated amalgam paths for complete dentures. Shiba A, et al. **J Prosthet Dent** 1981 Nov;46(5):494–7
Oral mucosa and complete dentures. Watson IB, et al. **J Prosthet Dent** 1982 Feb;47(2):133–40
Insertion procedures for complete dentures. Goldstein GR, et al. **NY State Dent J** 1982 Jun–Jul;48(6):371–3 (3 ref.)
Complete dentures—status in the 1980's. Klein IE. **NY State Dent J** 1982 Jun–Jul;48(6):368–9
Can the full denture improve verbal articulation? Preti G, et al. **Panminerva Med** 1981 Oct–Dec;23(4):235–8
Chewing patterns in dentate and complete denture wearers – recorded by light-emitting diodes. Jemt T. **Swed Dent J** 1981;5(5–6):199–205
[Dimensional variations of resins for complete prosthesis. Proposed improvements for clinical practice] Derrien G, et al. **Rev Odontostomatol (Paris)** 1981 Jul–Oct; 10(4–5):345–50 **(Fre)**
[Impact of complete edentulousness and its treatment on the microbial ecosystem in the mouth] Monsenego P. **Rev Odontostomatol (Paris)** 1981 Jan–Feb;10(1):35–51 **(Fre)**
[What does the ideal prosthesis support for total tooth replacement look like?] Haase G. **Dtsch Zahnarztl Z** 1982 Feb;37(2):94–101 (Eng. Abstr.) **(Ger)**
[Geriatric prosthetic survey] Huszár G. **Fogorv Sz** 1982 Mar; 75(3):75–80 (Eng. Abstr.) **(Hun)**
[Combined surgical and prosthetic rehabilitation of epileptics] Joós L, et al. **Fogorv Sz** 1982 May;75(5):148–51 **(Hun)**
[Measurements of the dental arch in complete dentures] Kovács DG. **Fogorv Sz** 1981 Jul;74(7):208–12 (Eng. Abstr.) **(Hun)**
[The use of samarium–cobalt magnets in prosthodontics] Szóke A, et al. **Fogorv Sz** 1982 Jan;75(1):11–6 **(Hun)**
[Phonetic problem in the prosthetic rehabilitation of the edentulous patient] Preti G, et al. **Minerva Stomatol** 1981 Nov–Dec;30(6):561–6 **(Ita)**
[Pain sensitivity level of the mucosa of the prosthesis bed in the complete absence of the teeth] Aznaur'iants VB, et al. **Stomatologiia (Mosk)** 1982 May–Jun;61(3):73–4 (Eng. Abstr.) **(Rus)**
[Indications for using removable prostheses with cast metal bases] Gavrilov EI, et al. **Stomatologiia (Mosk)** 1981 Sep–Oct;60(5):61–3 (Eng. Abstr.) **(Rus)**
[Improvement in denture fixation on edentulous jaws] Nasibullin GG, et al. **Stomatologiia (Mosk)** 1981 Sep–Oct; 60(5):74–5 (Eng. Abstr.) **(Rus)**
[The necessity for and manufacture of 2 identical total prostheses] Branovački D, et al. **Med Pregl** 1980; 33(11–12):477–9 (Eng. Abstr.) **(Scr)**
[Determination of the height of the bite in the redesign of complete prostheses] Branovački D, et al. **Med Pregl** 1980; 33(11–12):497–8 (Eng. Abstr.) **(Scr)**
[Analysis of physico-optic behavior of dental prostheses under various light intensities] Branovački D, et al. **Med Pregl** 1980;33(11–12):505–7 (Eng. Abstr.) **(Scr)**
[Physiology of learning and adaptation to prosthesis in edentulous patients] Slankamenac S. **Med Pregl** 1980; 33(11–12):449–52 (Eng. Abstr.) **(Scr)**

ADVERSE EFFECTS

Obstruction of salivary flow caused by denture overextension. Milles M. **J Am Dent Assoc** 1982 Jul; 105(1):62–4
Frequency of Candida albicans serotypes in patients with denture-induced stomatitis and in normal denture wearers. Martin MV, et al. **J Clin Pathol** 1982 Aug;35(8):888–91
A psychiatric reaction to restorative treatment: a case report. Burstein A, et al. **J Oral Med** 1981 Oct–Dec;36(4):97–8
Oral mucosal lesions associated with the wearing of removable dentures. Budtz-Jørgensen E. **J Oral Pathol** 1981 Apr;10(2):65–80 (111 ref.)
Change in recurrent headache and mandibular dysfunction after treatment with new complete dentures. Magnusson T. **J Oral Rehabil** 1982 Mar;9(2):95–105

PSYCHOLOGY

[The orally handicapped and his response to therapy] Mercier P, et al. **Union Med Can** 1982 Apr;111(4):374–81 (Eng. Abstr.) **(Fre)**

DENTURE, COMPLETE, IMMEDIATE

The value of profileometry in complete immediate denture service. A preliminary report. Scher E, et al. **Int J Oral Surg** 1981;10(Suppl 1):99–103

ADVERSE EFFECTS

Facial cellulitis caused by a soft tissue impacted denture. Heggie AA, et al. **Aust Dent J** 1981 Aug;26(4):252–4

DENTURE, COMPLETE, LOWER

Measurement of strain rate behaviour in complete mandibular dentures. Ahmad R, et al. **Biomaterials** 1982 Apr;3(2):87–92
Prosthetic treatment of patients after bone grafting procedures. Schwarz WD. **Br J Oral Surg** 1982 Mar; 20(1):45–52
Aid to correct tongue position in the mandibular complete denture. Herring HW Jr, et al. **J Prosthet Dent** 1981 Dec; 46(6):676–7
Principles and technique in sublingual flange extension and complete mandibular dentures. von Krammer R. **J Prosthet Dent** 1982 May;47(5):479–82 (16 ref.)

DENTURE, COMPLETE, UPPER

Prosthodontic treatment of pendulous maxillary tuberosities. Bell RA, et al. **J Am Dent Assoc** 1981 Dec;103(6):894–5
Clinical studies of strain behaviour of complete dentures. Obeid AA, et al. **J Biomed Eng** 1982 Jan;4(1):49–54
An injection impression technique for palatal defects. Benington IC, et al. **J Prosthet Dent** 1982 Apr;47(4):414–8
The prong denture: a combined surgical–prosthetic approach to enhance denture retention. Braun E, et al. **J Prosthet Dent** 1981 Aug;46(2):196–200
Analysis of the posterior palatal seal and the palatal form as related to the retention of complete dentures. Colón A, et al. **J Prosthet Dent** 1982 Jan;47(1):23–7
The microbiologic cross-contamination of dental prostheses. Kahn RC, et al. **J Prosthet Dent** 1982 May;47(5):556–9
Leukocyte count and keratinization of the palatal denture-bearing mucosa. Lindholm K, et al. **J Prosthet Dent** 1982 Apr;47(4):440–4
The Hardy chew-in technique: a modified procedure. McDermott IG, et al. **J Prosthet Dent** 1982 Aug; 48(2):202–5
Occlusal analysis for fixed–removable rehabilitation. Murphy GJ, et al. **J Prosthet Dent** 1981 Oct;46(4):454–7
Pressures involved in making upper edentulous impressions. Rihani A. **J Prosthet Dent** 1981 Dec;46(6):610–14
Denture adhesives – their effect on the mobility of full upper dentures during chewing. A cineradiographic study. Karlsson S, et al. **Swed Dent J** 1981;5(5–6):207–11
[Physical factors in the retention of an upper complete denture] Csoma M, et al. **Fogorv Sz** 1981 Apr;74(4):111–4 (Eng. Abstr.) **(Hun)**

ADVERSE EFFECTS

Induced palatal candidosis in the wistar rat. Shakir BS, et al. **Arch Oral Biol** 1981;26(10):787–93
Facial cellulitis caused by a soft tissue impacted denture. Heggie AA, et al. **Aust Dent J** 1981 Aug;26(4):252–4
The presence of immunoglobulin IgG and complement factor C3 in inflammatory papillary hyperplasia associated with maxillary dentures. Eglitis II, et al. **J Prosthet Dent** 1981 Aug;46(2):201–14
Status and treatment of denture stomatitis patients: a 1-year follow-up study. Bergendal T. **Scand J Dent Res** 1982 Jun; 90(3):227–38
Location of the allergenic monomer in warm-polymerized acrylic dentures. Part III: Testing of the theory of an 'allergenic film' in the vestibular surface before polishing. Fernström AI, et al. **Swed Dent J** 1982;6(2):87–91

DENTURE LINERS

see related
SILICONE ELASTOMERS

Temporary soft lining materials. A review of their uses. Harrison A. **Br Dent J** 1981 Dec 15;151(12):419–22 (34 ref.)
The nature of the interface between polymethyl methacrylate denture base materials and soft lining materials. Amin WM, et al. **J Dent** 1981 Dec;9(4):336–46
New soft lining materials. Parker S, et al. **J Dent** 1982 Jun; 10(2):149–53
Characterization of the adhesion of soft lining materials to poly (methyl methacrylate). Wright PS. **J Dent Res** 1982 Aug;61(8):1002–5
An aid to removing tissue conditioning material. Fowler JA Jr. **J Prosthet Dent** 1981 Nov;46(5):581
Creep and stress relaxation of soft denture liners. Robinson JG, et al. **J Prosthet Dent** 1982 Aug;48(2):135–40
Use of a medical-grade silicone adhesive as a denture liner in the treatment of idiopathic oral mucosal irritation. Segall BW, et al. **J Prosthet Dent** 1982 Jan;47(1):85–7
The effect of asbestos-alternatives on the accuracy of cast veneer crowns. Yli-Urpo A, et al. **Swed Dent J** 1982; 6(3):127–31

STANDARDS

Composition and properties of soft lining materials for acrylic dentures. Wright PS. **J Dent** 1981 Sep;9(3):210–23

DENTURE, OVERLAY

Modified overdentures for the management of oligodontia and developmental defects. Abadi BJ, et al. **ASDC J Dent Child** 1982 Mar–Apr;49(2):123–6
Overdentures with magnetic retainers. Kroone HB, et al. **Br Dent J** 1982 May 4;152(9):310–3
Preventive and biomechanical aspects of overdentures. Langer A, et al. **Isr J Dent Med** 1981 Sep;29(1–2):25–38
The role in masseter muscle activities of functionally elicited periodontal afferents from abutment teeth under overdentures. Mushimoto E. **J Oral Rehabil** 1981 Sep; 8(5):441–55
Effect of 0.4% stannous fluoride gel on the gingival health of overdenture abutments. Derkson GD, et al. **J Prosthet Dent** 1982 Jul;48(1):23–6
The use of nonparallel canine abutments for a tissue bar overdenture obturator. Pomerantz JM, et al. **J Prosthet Dent** 1982 Feb;47(2):194–7
Periodontal considerations in the overdenture patient. Robbins JW. **J Prosthet Dent** 1981 Dec;46(6):596–601
A 2-year longitudinal study of overdenture patients. Part II: Assessment of the periodontal health of overdenture abutments. Toolson LB, et al. **J Prosthet Dent** 1982 Jan; 47(1):4–11
A review of overdentures. Durrer GT. **NY State Dent J** 1982 Jun–Jul;48(6):375–6
[Overdentures for severe periodontal disease and defects of

jaw bones (author's transl)] Zhou JL. **Chung Hua Kou Chiang Ko Tsa Chih** 1982;17(1):54–5 **(Chi)**

[Mathematical model for calculating the bonding and strength behavior of conical telescopic crowns] Lenz J. **Dtsch Zahnarztl Z** 1982 Jan;37(1):7–15 (Eng. Abstr.) **(Ger)**

DENTURE, PARTIAL

An orthodontic–prosthetic solution to complex malocclusions. Grave KC, et al. **Aust Dent J** 1981 Oct; 26(5):275–81

Occlusion and restorative dentistry for the general practitioner. Part 8—Cast and porcelain multiple posterior restorations. Wise MD. **Br Dent J** 1982 Jun 1;152(11):381–5

conservative preparation of abutment teeth to replace missing premolar teeth. Gourley JM. **Can Dent Assoc J** 1982 Mar; 48(3):191–3

Prosthetic treatment in a patient with osteogenesis imperfecta. Maetani T, et al. **Hiroshima J Med Sci** 1981 Mar;30(1):15–9

The prosthetic treatment of patients with cleft palates. de Koomen HA. **J Oral Surg** 1981 Nov;39(11):878–82

Standards of pontic design. Howard WW, et al. **J Prosthet Dent** 1982 May;47(5):493–5

Orthodontic tooth movement as an adjunct to prosthetic therapy. Tuncay OC. **J Prosthet Dent** 1981 Jul;46(1):41–7

Remounting multiple casting prior to final cementation. Walker PM. **J Prosthet Dent** 1981 Aug;46(2):145–8

Mishaps of CPR: the case of the missing dental bridge [letter] Shih C, et al. **N Engl J Med** 1982 Apr 29;306(17):1057

Quantitative evaluation of in vivo occlusal wear of acrylic resin bridges and wear resistance of three different materials–results after 6 months. McDermott T, et al. **SSO Schweiz Monatsschr Zahnheilkd** 1981 Nov; 91(11):1001–24

[Conservative prosthetics of residual root residual crown (author's transl)] Shi SJ. **Chung Hua Kou Chiang Ko Tsa Chih** 1981 Jun;16(2):93–6 **(Chi)**

[Rational use of rotary instruments in partial dentures] Bogopolsky S, et al. **Actual Odontostomatol (Paris)** 1981; (134):325–46 (Eng. Abstr.) **(Fre)**

[Anterior bridges on deciduous teeth] Fortier JP, et al. **Actual Odontostomatol (Paris)** 1981;(135):391–402 (Eng. Abstr.) **(Fre)**

[2 cases of preprosthetic orthodontics] Bourgoin G. **Rev Odontostomatol (Paris)** 1982 Jan–Feb;11(1):43–7 **(Fre)**

[Small bridges with inlays as the bridge anchor] Eichner K. **Dtsch Zahnarztl Z** 1982 Jan;37(1):1–6 **(Ger)**

[Suitable cast alloys for making inlays and onlays] Kropp R. **Dtsch Zahnarztl Z** 1981 Apr;36(4):262–4 (Eng. Abstr.) **(Ger)**

[Indication for and the evaluation of inlay bridges] Sobkowiak EM. **Dtsch Zahnarztl Z** 1981 Apr;36(4):260–1 **(Ger)**

[Adhesive resins and wing type bridge] Masuhara E. **Kokubyo Gakkai Zasshi** 1981 Sep;48(3):307 **(Jpn)**

[Molding material for cast bridge prostheses] Kazachkova MA, et al. **Stomatologiia (Mosk)** 1982 Jan–Feb;61(1):63–5 (Eng. Abstr.) **(Rus)**

ADVERSE EFFECTS

Nickel sensitivity. Some dental implications. Basker RM. **Br Dent J** 1981 Dec 15;151(12):414–5

Aspiration of a partial denture during an epileptic seizure. Giovannitti JA Jr. **J Am Dent Assoc** 1981 Dec;103(6):895

Oral mucosal lesions associated with the wearing of removable dentures. Budtz-Jørgensen E. **J Oral Pathol** 1981 Apr;10(2):65–80 (111 ref.)

[Gingival reaction to pontic elements] François M. **Rev Belge Med Dent** 1981 Nov;36(6):270–6 (Eng. Abstr.) **(Dut)**

[Effect of the pontic form of veneer bridges on the gingiva and marginal periodontium] Freesmeyer WB, et al. **Dtsch Zahnarztl Z** 1981 Aug;36(8):467–74 (Eng. Abstr.) **(Ger)**

[Examination of phonetic disorders caused by partial dentures] Kivovics P, et al. **Fogorv Sz** 1982 Apr; 75(4):108–12 **(Hun)**

STANDARDS

[Clinical laboratory trials of the quality of laser welding of the elements of metal structures for dental prostheses and orthodontic apparatus] Rebrov VI, et al. **Stomatologiia (Mosk)** 1982 Jan–Feb;61(1):65–8 (Eng. Abstr.) **(Rus)**

DENTURE, PARTIAL, FIXED

One-piece casting for fixed bridgework. Darveniza M, et al. **Aust Dent J** 1982 Feb;27(1):5–10

Immediate bridgework. Darveniza M. **Aust Dent J** 1981 Aug; 26(4):244–7

An immediate cantilever Rochette bridge. Hopkins C. **Br Dent J** 1981 Nov 3;151(9):292–5

Clinical performance of resin-bonded cast metal bridges (Rochette bridges). A preliminary report. Shaw MJ, et al. **Br Dent J** 1982 Jun 1;152(11):378–80

Maintenance of diastemas by a cast lingual loop connector and acid–etch technique. Chapman KW, et al. **J Am Dent Assoc** 1982 Jan;104(1):49–50

Achieving an esthetic appearance with a fixed prosthesis by submucosal grafts. Kaldahl WB, et al. **J Am Dent Assoc** 1982 Apr;104(4):449–52

The acid–etched fixed prosthesis. Yanover L, et al. **J Am Dent Assoc** 1982 Mar;104(3):325–8

Combined magnetic plus rod and tube retention in sectional denture. Ling BC. **J Dent** 1982 Mar;10(1):7–11

The design of multiple pontics. Behrend DA. **J Prosthet Dent** 1981 Dec;46(6):634–8

Porcelain internal core pontics. Choudhary SC. **J Prosthet Dent** 1981 Oct;46(4):458–60

Simplified technique for the removal of a fixed partial denture. Conny DJ, et al. **J Prosthet Dent** 1981 Nov; 46(5):505–8

Using removable gingival facades with fixed partial dentures. Gardner FM, et al. **J Prosthet Dent** 1982 Mar;47(3):262–4

Technical and biophysical aspects of fixed partial dentures for patients with reduced pericdontal support. Glantz PO, et al. **J Prosthet Dent** 1982 Jan;47(1):47–51

A modified functionally generated path technique for making maxillary posterior ceramometal restorations. Kafandaris NM. **J Prosthet Dent** 1981 Jul;46(1):29–31

Patients with restored occlusions. Part I: TMJ dysfunction determined by a pantographic reproducibility index. Lederman KH, et al. **J Prosthet Dent** 1982 Feb; 47(2):198–205

Restored occlusions. Part II: The relationship of clinical and subjective symptoms to varying degrees of TMJ dysfunction. Lederman KH, et al. **J Prosthet Dent** 1982 Mar;47(3):303–9

Etched castings: an improved retentive mechanism for resin–bonded retainers. Livaditis GJ, et al. **J Prosthet Dent** 1982 Jan;47(1):52–8

Occlusal analysis for fixed–removable rehabilitation. Murphy GJ, et al. **J Prosthet Dent** 1981 Oct;46(4):454–7

Dowel pin positioning technique for fixed partial denture working casts. Robinson FB, et al. **J Prosthet Dent** 1981 Aug;46(2):215–6

Fabricating fixed partial dentures using existing restorations. Sarrett DC. **J Prosthet Dent** 1981 Aug;46(2):142–4

An alternative to shade selection. Shay JS, et al. **J Prosthet Dent** 1982 Mar;47(3):343

Modification of stresses surrounding abutment teeth for fixed partial dentures induced by various levels of periodontal support: a photoelastic study. Sulik WD, et al. **J Prosthet Dent** 1981 Jul;46(1):32–5

Dowel system for waxing pontics in fixed partial denture construction. von Krammer R. **J Prosthet Dent** 1982 Jan; 47(1):101–3

Effect of occlusal reconstruction on the reproducibility of chewing movements. Wood WW, et al. **J Prosthet Dent** 1981 Aug;46(2):181–4

Temporaries: a preview of the permanent work using the new generation self–cure resin Snap and a vacuum mold matrix. Dwork H. **NY J Dent** 1981 Sep;51(8):234–6

Use of an etched metal resin–bonded retainer in a patient with partial anodontia. Milhauser SA, et al. **NY State Dent J** 1982 Apr;48(4):243–6

As esthetic, enamel–bonded fixed prosthetic splint in rehabilitation. Rakow B, et al. **NY State Dent J** 1982 Apr; 48(4):236–8

Sequential interdisciplinary therapy for restorative dentistry. Seide LJ, et al. **NY State Dent J** 1981 Nov;47(9):549, 553, 556, 558

The Rochette bridge–simple solution to a difficult problem. Marshall DW. **NZ Dent J** 1981 Oct;77(350):156–7

Loss of teeth and the frequency and condition of removable and fixed dentures in Finnish immigrants in Sweden. Widström E. **Swed Dent J** 1982;6(2):61–9

[Examples of provisional and semi-permanent retention in periodontology] Delecourt X, et al. **Actual Odontostomatol (Paris)** 1981;(134):251–63 (Eng. Abstr.) **(Fre)**

[Temporary restorations in fixed dentures. Concept and production according to esthetic, biological and functional criteria] Joly R, et al. **Actual Odontostomatol (Paris)** 1981; 136:555–69 (Eng. Abstr.) **(Fre)**

[Butterfly prosthesis and the use of a luting agent for its fixation] Monat JM. **Can Dent Assoc J** 1981 Apr; 47(4):257–8 **(Fre)**

[The behavior of sealing cement at the cervical edge in fixed dentures. Analog study using photoelastometry] Vergé J, et al. **Rev Odontostomatol (Paris)** 1981 Nov–Dec; 10(6):421–5 **(Fre)**

[Problematic nature and construction of an anchor with controllable and adjustable drawing force (a design proposal)] Reuter P. **Dtsch Zahnarztl Z** 1982 Jan;37(1):64–8 (Eng. Abstr.) **(Ger)**

[Design of intermediate bridge pontics] Schwickerath H. **Dtsch Zahnarztl Z** 1981;36(12):797–804 (Eng. Abstr.) **(Ger)**

[Survey of missing and restored teeth in the 50–59 age group at the Obuda Shipyard. II. Fixed restorations] Kóbor A, et al. **Fogorv Sz** 1981 Dec;74(12):362–6 (Eng. Abstr.) **(Hun)**

[Possibilities of prosthetic management of lateral open bite] Simon G, et al. **Fogorv Sz** 1981 Nov;74(11):339–42 **(Hun)**

[Prosthetic indications in root canal therapy] Szöllösi K, et al. **Fogorv Sz** 1981 Nov;74(11):331–3 **(Hun)**

[Descriptive evaluation of the Perci–Line attachment device] Tóth J. **Fogorv Sz** 1981 Jun;74(6):169–73 (Eng. Abstr.) **(Hun)**

[Development and the characteristics of using the Kolorit set of dyes for tinting the porcelain in preparing fixed dentures] Inozemtseva AA, et al. **Stomatologiia (Mosk)** 1982 May–Jun;61(3):56–7 (Eng. Abstr.) **(Rus)**

[Comparative evaluation of the physicomechanical properties of Soviet cements used for attaching fixed prostheses] Karal'nik DM, et al. **Stomatologiia (Mosk)** 1981 Sep–Oct; 60(5):67–8 (Eng. Abstr.) **(Rus)**

[Use of polycarboxylate cement for attaching fixed prostheses] Sevost'ianov DG. **Stomatologiia (Mosk)** 1981; 60(4):48–50 (Eng. Abstr.) **(Rus)**

ADVERSE EFFECTS

A method to prevent swallowing or aspiration of cast restorations. Jacobi R, et al. **J Prosthet Dent** 1981 Dec; 46(6):642–5

STANDARDS

[Frontal test for the esthetic effect of dentures] Nagy I, et al. **Fogorv Sz** 1981 Oct;74(10):307–9 **(Hun)**

DENTURE, PARTIAL, IMMEDIATE

Immediate bridgework. Darveniza M. **Aust Dent J** 1981 Aug; 26(4):244–7

An immediate cantilever Rochette bridge. Hopkins C. **Br Dent J** 1981 Nov 3;151(9):292–5

Existing restorations duplicated for an immediate denture. Broering LF, et al. **J Prosthet Dent** 1982 Mar;47(3):336–7

DENTURE, PARTIAL, REMOVABLE

Artificial undercuts for partial denture clasps. A technique using composite filling materials. Quinn DM. **Br Dent J** 1981 Sep 15;151(6):192–4

Prosthetic treatment of patients after bone grafting procedures. Schwarz WD. **Br J Oral Surg** 1982 Mar; 20(1):45–52

A modification of the altered cast technique. Bauman R, et al. **J Prosthet Dent** 1982 Feb;47(2):212–3

Designing swinglock partial dentures. Becker CM, et al. **J Prosthet Dent** 1981 Aug;46(2):126–32

Using removable partial dentures to stabilize teeth with secondary occlusal traumatism. Becker CM, et al. **J Prosthet Dent** 1982 Jun;47(6):587–94

Stress–relaxation testing. Part III: Influence of wire alloys, gauges, and lengths on clasp behavior. Brudvik JS, et al. **J Prosthet Dent** 1981 Oct;46(4):374–9

Strengthening abutment or isolated teeth on removable partial denture master casts. Casey DM, et al. **J Prosthet Dent** 1981 Jul;46(1):105–6

Partial denture design: a simple teaching aid. Cowles KR. **J Prosthet Dent** 1982 Feb;47(2):219

Remount casts for removable partial dentures. Fiebiger GE, et al. **J Prosthet Dent** 1982 Jul;48(1):106–7

Using removable gingival facades with fixed partial dentures. Gardner FM, et al. **J Prosthet Dent** 1982 Mar;47(3):262–4

Design for maximal retention of obturator prothesis for hemimaxillectomy patients [letter] Goll G. **J Prosthet Dent** 1982 Jul;48(1):108–9

A clinical study of the periodontal status of abutment teeth supporting swinglock removable partial dentures—a pilot study. Gomes BC, et al. **J Prosthet Dent** 1981 Jul;46(1):7–13

Multiple crowns fabricated for an existing removable partial denture. Jordan RD, et al. **J Prosthet Dent** 1982 Jul; 48(1):102–5

Photoelastic analysis of stress patterns on teeth and bone with attachment retainers for removable partial dentures. Kratochvil FJ, et al. **J Prosthet Dent** 1981 Jul;46(1):21–8

Rare earth magnets as locking devices in sectional dentures. Ling BC. **J Prosthet Dent** 1982 Mar;47(3):252–5

A clinical and radiographic evaluation of removable partial dentures retained by attachments to alveolar bars. Lofberg PG, et al. **J Prosthet Dent** 1982 Feb;47(2):126–32

The MGR clasp: an esthetic extracoronal retainer for maxillary canines. McCartney JW. **J Prosthet Dent** 1981 Nov;46(5):490–3

Force transmission by indirect retainers when a unilateral dislodging force is applied. McDowell GC, et al. **J Prosthet Dent** 1982 Apr;47(4):360–5

An analysis of the rotational axes of semiprecision and precision distal–extension removable partial dentures. McLeod NS. **J Prosthet Dent** 1982 Aug;48(2):130–4

Stress–relaxation testing. Part I: A new approach to the testing of removable partial denture alloys, wrought wires, and clasp behavior. Morris HF, et al. **J Prosthet Dent** 1981 Aug;46(2):133–41

Constructing stable record bases for removable partial dentures. Radue JT, et al. **J Prosthet Dent** 1981 Oct; 46(4):463

The fixed–removable partial denture. Rhoads JE. **J Prosthet Dent** 1982 Aug;48(2):122–9

A method to record the path of insertion of a removable partial denture. Sarnat AE, et al. **J Prosthet Dent** 1981 Aug;46(2):222–3

Custom metal occlusal surfaces for acrylic resin denture teeth. Schneider RL. **J Prosthet Dent** 1981 Jul;46(1):98–101

Technique for the immediate repair of removable partial denture facings. Shay JS, et al. **J Prosthet Dent** 1982 Jan;

47(1):104–6
Prosthodontic management of postsurgical soft tissue deformities associated with marginal mandibulectomy. Part I: Loss of the vestibule. Shifman A, et al. **J Prosthet Dent** 1982 Aug;48(2):178–83
Effect of two clasping assemblies on arch integrity as modified by base adaptation. Taylor DT, et al. **J Prosthet Dent** 1982 Feb;47(2):120–5
Comparison of major connectors for removable partial dentures. Wagner AG, et al. **J Prosthet Dent** 1982 Mar; 47(3):242–5
Instructional aid for teaching removable partial denture design. Williams EO, et al. **J Prosthet Dent** 1982 Aug; 48(2):222
Design for maximal retention of obturator prosthesis for hemimaxillectomy patients. Wright SM, et al. **J Prosthet Dent** 1982 Jan;47(1):88–91
Try-in of the removable partial denture framework. Young L Jr. **J Prosthet Dent** 1981 Nov;46(5):579–80
Diagnosing and prescribing therapeutic attachment-retained partial dentures. Feinberg E. **NY State Dent J** 1982 Jan; 48(1):27–9
Impression procedures in removable partial prosthetics. Lasoff M. **NY State Dent J** 1982 Jun–Jul;48(6):382–5
Influence of removable partial dentures on tooth mobility. Kerschbaum T. **Rev Belge Med Dent** 1982 May; 37(3):101–10
Loss of teeth and the frequency and condition of removable and fixed dentures in Finnish immigrants in Sweden. Widström E. **Swed Dent J** 1982;6(2):61–9
[The use of cold-curing resin in removable partial denture prosthesis (author's transl)] Wang ZH. **Chung Hua Kou Chiang Ko Tsa Chih** 1981 Dec;16(4):245–7 **(Chi)**
[Preprosthetic tissue preparation in removable partial dentures] Bender JC, et al. **Rev Odontostomatol (Paris)** 1982 Mar–Apr;11(2):109–16 **(Fre)**
[Stress registered by the tooth support of a partial denture using a photoelasticometric method] Buch D. **Rev Odontostomatol (Paris)** 1981 Jul–Oct;10(4–5):317–30 (Eng. Abstr.) **(Fre)**
[Single and compressive impression technic for removable distal-extension partial dentures] Pezzoli M. **SSO Schweiz Monatsschr Zahnheilkd** 1981 May;91(5):323–8 (Eng. Abstr.) **(Fre)**
[Construction of partial removable dentures for patients with acrylate allergy and fungus diseases] Komári J, et al. **Fogorv Sz** 1981;74(5):137–40 (Eng. Abstr.) **(Hun)**
[Removable partial denture. Its design and execution] Pezzoli M. **Minerva Stomatol** 1982 Mar–Apr;31(2):235–42 (Eng. Abstr.) **(Ita)**
[Effectiveness of orthodontic treatment using removable prostheses with bar attachment] Demner LM, et al. **Stomatologiia (Mosk)** 1982 May–Jun;61(3):62–4 (Eng. Abstr.) **(Rus)**
[Indications for using removable prostheses with cast metal bases] Gavrilov EI, et al. **Stomatologiia (Mosk)** 1981 Sep–Oct;60(5):61–3 (Eng. Abstr.) **(Rus)**
[Integrated approach to the technological process of preparing whole-cast clasp prostheses] Shvarts AD. **Stomatologiia (Mosk)** 1982 Jan–Feb;61(1):68–71 (Eng. Abstr.) **(Rus)**
[Experience in using gold electroplating of dental prosthesis frames made of a cobalt-chromium alloy and indications for its use] Zhnivin IuE, et al. **Stomatologiia (Mosk)** 1982 Mar–Apr;(2):53–5 (Eng. Abstr.) **(Rus)**

ADVERSE EFFECTS

Gingival autografts as an adjunct to removable partial dentures. Dello Russo NM. **J Am Dent Assoc** 1982 Feb; 104(2):179–81

STANDARDS

Guiding planes: when and where. Holt JE. **J Prosthet Dent** 1981 Jul;46(1):4–6

DENTURE, PARTIAL, TEMPORARY

Temporary bridge construction: A laboratory technique. Carse RA, et al. **Br Dent J** 1981 Nov 3;151(9):303–4
Temporization of an extensively fractured anterior tooth. Jordan RD, et al. **J Prosthet Dent** 1982 Feb;47(2):182–4
Marginal fit of direct temporary crowns. Robinson FB, et al. **J Prosthet Dent** 1982 Apr;47(4):390–2
Technique for making a template for temporary restorations. Smith CC, et al. **J Prosthet Dent** 1982 Feb;47(2):214–6
Temporaries: a preview of the permanent work using the new generation self-cure resin Snap and a vacuum mold matrix. Dwork H. **NY J Dent** 1981 Sep;51(8):234–6
Lab processed provisional prosthesis. Kastenbaum F. **NY J Dent** 1982 Feb;52(2):39–44
[Temporary restorations in fixed dentures. Concept and production according to esthetic, biological and functional criteria] Joly R, et al. **Actual Odontostomatol (Paris)** 1981; 136:555–69 (Eng. Abstr.) **(Fre)**

ADVERSE EFFECTS

Sensitized tissue response to an ethylene imine derivative transitional crown material. Churgin LS, et al. **J Prosthet Dent** 1981 Aug;46(2):179–80

DENTURE, PRECISION ATTACHMENT

Combined magnetic plus rod and tube retention in sectional denture. Ling BC. **J Dent** 1982 Mar;10(1):7–11
A clinical and radiographic evaluation of removable partial dentures retained by attachments to alveolar bars. Lofberg PG, et al. **J Prosthet Dent** 1982 Feb;47(2):126–32
An analysis of the rotational axes of semiprecision and precision distal-extension removable partial dentures. McLeod NS. **J Prosthet Dent** 1982 Aug;48(2):130–4
Diagnosing and prescribing therapeutic attachment-retained partial dentures. Feinberg E. **NY State Dent J** 1982 Jan; 48(1):27–9
[Effectiveness of orthodontic treatment using removable prostheses with bar attachment] Demner LM, et al. **Stomatologiia (Mosk)** 1982 May–Jun;61(3):62–4 (Eng. Abstr.) **(Rus)**

DENTURE REBASING

Avoiding demarcation between new and old acrylic resin when relining or rebasing dentures. Taylor TD, et al. **J Prosthet Dent** 1981 Nov;46(5):582

DENTURE RELINING see **DENTURE REBASING**

DENTURE RETENTION

Overdentures with magnetic retainers. Kroone HB, et al. **Br Dent J** 1982 May 4;152(9):310–3
Clinical performance of resin-bonded cast metal bridges (Rochette bridges). A preliminary report. Shaw MJ, et al. **Br Dent J** 1982 Jun 1;152(11):378–80
The internal escape channel: a solution to incomplete seating of full cast crowns. Miller GD, et al. **J Am Dent Assoc** 1982 Mar;104(3):322–4
The use of magnetic forces in prosthetic dentistry. Laird WR, et al. **J Dent** 1981 Dec;9(4):328–35
Combined magnetic plus rod and tube retention in sectional denture. Ling BC. **J Dent** 1982 Mar;10(1):7–11
The design of the partial denture framework. 2. Preventing movement of the partial denture base. Nairn RI. **J Dent** 1981 Jun;9(2):157–70
The retention of dental posts. Turner CH. **J Dent** 1982 Jun; 10(2):154–65
The utilization of roots to carry post-retained crowns. Turner CH. **J Oral Rehabil** 1982 May;9(3):193–202
The prong denture: a combined surgical-prosthetic approach to enhance denture retention. Braun E, et al. **J Prosthet Dent** 1981 Aug;46(2):196–200
Analysis of the posterior palatal seal and the palatal form as related to the retention of complete dentures. Colón A, et al. **J Prosthet Dent** 1982 Jan;47(1):23–7
Simplified technique for the removal of a fixed partial denture. Conny DJ, et al. **J Prosthet Dent** 1981 Nov; 46(5):505–8
Large edentulous ridges--are they better for dentures than small ridges? Harvey WL, et al. **J Prosthet Dent** 1982 Jun; 47(6):595–9
Aid to correct tongue position in the mandibular complete denture. Herring HW Jr, et al. **J Prosthet Dent** 1981 Dec; 46(6):676–7
Rare earth magnets as locking devices in sectional dentures. Ling BC. **J Prosthet Dent** 1982 Mar;47(3):252–5
Etched castings: an improved retentive mechanism for resin-bonded retainers. Livaditis GJ, et al. **J Prosthet Dent** 1982 Jan;47(1):52–8
The MGR clasp: an esthetic extracoronal retainer for maxillary canines. McCartney JW. **J Prosthet Dent** 1981 Nov;46(5):490–3
Force transmission by indirect retainers when a unilateral dislodging force is applied. McDowell GC, et al. **J Prosthet Dent** 1982 Apr;47(4):360–5
An analysis of the rotational axes of semiprecision and precision distal-extension removable partial dentures. McLeod NS. **J Prosthet Dent** 1982 Aug;48(2):130–4
Effect of multiple axial grooves on the marginal adaptation of full cast-gold crowns. Tjan AH, et al. **J Prosthet Dent** 1981 Oct;46(4):399–403
Design for maximal retention of obturator prosthesis for hemimaxillectomy patients. Wright SM, et al. **J Prosthet Dent** 1982 Jan;47(1):88–91
Muscle tendon release and transposition for enhancement of mandibular denture stability. Friedlander AH. **Oral Surg** 1981 Nov;52(5):461–4
Denture adhesives - their effect on the mobility of full upper dentures during chewing. A cineradiographic study. Karlsson S, et al. **Swed Dent J** 1981;5(5–6):207–11
[Butterfly prosthesis and the use of a luting agent for its fixation] Monat JM. **Can Dent Assoc J** 1981 Apr; 47(4):257–8 **(Fre)**
[Physical factors in the retention of an upper complete denture] Csoma M, et al. **Fogorv Sz** 1981 Apr;74(4):111–4 (Eng. Abstr.) **(Hun)**
[Difficulties in inserting bridges (model experiments)] Götz G, et al. **Fogorv Sz** 1981 Oct;74(10):301–3 (Eng. Abstr.) **(Hun)**
[Improvement in denture fixation on edentulous jaws] Nasibullin GG, et al. **Stomatologiia (Mosk)** 1981 Sep–Oct; 60(5):74–5 (Eng. Abstr.) **(Rus)**

INSTRUMENTATION

[Descriptive evaluation of the Perci-Line attachment device] Tóth J. **Fogorv Sz** 1981 Jun;74(6):169–73 (Eng. Abstr.) **(Hun)**

DENTURE STABILITY see **DENTURE RETENTION**

DENTURISTS see under **DENTAL AUXILIARIES**

DEODORANTS

ADVERSE EFFECTS

The role of depilation and deodorants in hidradenitis suppurativa. Morgan WP, et al. **Arch Dermatol** 1982 Feb; 118(2):101–2

PHARMACODYNAMICS

[Antimicrobial activity of various undecylenic acid derivatives and prospects for their use in hygienic preparations for the skin] Molochko VA, et al. **Vestn Dermatol Venerol** 1982 Feb;(2):22–5 (Eng. Abstr.) **(Rus)**

DEONTOLOGICAL ETHICS see **ETHICS**

DEOXY SUGARS

Structural and serological analysis of Citrobacter-036-specific polysaccharide, the homopolymer of (beta 1 leads to 2)-linked 4-deoxy-D-arabinohexopyranosyl units. Romanowska E, et al. **Eur J Biochem** 1981 Dec;121(1):119–23
18f-fluorodeoxyglucose method for measuring local cerebral glucose metabolism in man: technique and results. Reivich M, et al. **Prog Nucl Med** 1981;7:138–48
Aspects of the preparation of 18F-2-deoxy-2-fluoro-D-glucose (18FDG) for medical use. Irie T, et al. **Radioisotopes** 1982 Jan;31(1):11–5

ANALYSIS

Positron tomography with deoxyglucose for estimating local myocardial glucose metabolism. Ratib O, et al. **J Nucl Med** 1982 Jul;23(7):577–86

BLOOD

Identification and metabolic implication of 1-deoxyglucose (1,5-anhydroglucitol) in human plasma. Yoshioka S, et al. **Clin Chem** 1982 Jun;28(6):1283–6
Arachidonic acid and hexose transport in human polymorphonuclear leukocytes. Bass DA, et al. **Prog Lipid Res** 1981;20:735–8
The effect of free radical derived hydroxyeicosatetraenoic acids on hexose transport in the human polymorphonuclear leukocyte. Thomas MJ, et al. **Prostaglandins** 1982 Feb; 23(2):265–72

CHEMICAL SYNTHESIS

A synthesis of 2-deoxy-D-[1-11C]glucose for regional metabolic studies: concise communication. MacGregor RR, et al. **J Nucl Med** 1981 Sep;22(9):800–3
The unit operations approach applied to the synthesis of [1(-11)C]2-deoxy-D-glucose for routine clinical applications. Padgett HC, et al. **J Nucl Med** 1982 Aug; 23(8):739–44

DIAGNOSTIC USE

Ontogenesis of the functional activity of rat olfactory bulb: autoradiographic study with the 2-deoxyglucose method. Astic L, et al. **Brain Res** 1981 Sep;254(2):243–56
Positron emission tomography in a case of experimental focal epilepsy in the baboon. Cepeda C, et al. **Electroencephalogr Clin Neurophysiol** 1982 Jul;54(1):87–90
6-deoxy-D-glucose and D-xylose: analogs for the study of D-glucose transport in mouse 3T3 cells. Romano AH, et al. **J Cell Physiol** 1982 Apr;111(1):77–82
Error sensitivity of fluorodeoxyglucose method for measurement of cerebral metabolic rate of glucose. **Huang SC, et al. J Cereb Blood Flow Metab** 1981;1(4):391–401
Effects of human aging on patterns of local cerebral glucose utilization determined by the [18F]fluorodeoxyglucose method. Kuhl DE, et al. **J Cereb Blood Flow Metab** 1982; 2(2):163–71
Cellular localization of 2-[3H]deoxy-D-glucose from paraffin-embedded brains. Durham D, et al. **J Neurosci** 1981 May;1(5):519–26
Alternative formula for glucose utilization using labeled deoxyglucose. Brooks RA. **J Nucl Med** 1982 Jun; 23(6):538–9
Suppression of prolactin and growth hormone responses to 2-deoxy-D-glucose-induced glucoprivation by mazindol in humans. Thompson DA, et al. **Metabolism** 1981 Oct; 30(10):1015–20
Physiological evidence that the 2-deoxyglucose method reveals orientation columns in cat visual cortex. Schoppmann A, et al. **Nature** 1981 Oct 15–21; 293(5833):574–6
18f-fluorodeoxyglucose method for measuring local cerebral glucose metabolism in man: technique and results. Reivich M, et al. **Prog Nucl Med** 1981;7:138–48

Work in progress: [18F] fluorodeoxyglucose and positron emission tomography in the evaluation of radiation necrosis of the brain. Patronas NJ, et al. **Radiology** 1982 Sep; 144(4):885–9

[Accumulation pattern of ischemic brain lesions ith 18 FDG and 13NH3: positron CT imaging of a case with multiple cerebral infarctions (author's transl)] Shishido F, et al. **Kaku Igaku** 1982 Mar;19(2):217–22 (Eng. Abstr.) **(Jpn)**

METABOLISM

Regional cerebral glucose utilization measured with the 2—[14C] deoxyglucose technique: its use in mapping functional activity in the nervous system. Sokoloff L. **Acta Neurol Scand [Suppl]** 1980;78:128–46

Mechanism of hexose transport in human polymorphonuclear leukocytes. McCall CE, et al. **Adv Exp Med Biol** 1982; 141:539–47

2-Deoxy-D-glucose uptake by rat granular pneumocytes in primary culture. Kerr JS, et al. **Am J Physiol** 1982 Jul; 243(1):C14–9

2-Deoxy-D-glucose transport in dog kidney. Silverman M, et al. **Am J Physiol** 1982 Jun;242(6):F711–20

Tritiated 2-deoxy-D-glucose as a probe for cell membrane permeability studies. Walum E, et al. **Anal Biochem** 1982 Feb;120(1):8–11

Regional myocardial glucose utilization assessed by (14C) deoxyglucose. L'Abbate A, et al. **Basic Res Cardiol** 1981 Jul-Aug;76(4):394–8

Testosterone induces a rapid stimulation of endocytosis, amino acid and hexose transport in mouse kidney cortex Koenig H, et al. **Biochem Biophys Res Commun** 1982 May 31;106(2):346–53

Accumulation of 2-deoxyglucose against its concentration gradient in rat adipocytes. Foley JE, et al. **Biochim Biophys Acta** 1981 Oct 20;648(1):100–6

Uptake and phosphorylation of 2-deoxy-D-glucose by wild-type and single-kinase strains of Saccharomyces cerevisiae. Franzusoff A, et al. **Biochim Biophys Acta** 1982 Jun 14;688(2):295–304

Hexose transport in L6 muscle cells. Kinetic properties and the number of [3H]cytochalasin B binding sites. Klip A, et al. **Biochim Biophys Acta** 1982 May 7;687(2):265–80

Endotoxin-induced alterations in glucose transport in isolated adipocytes. Leach GJ, et al. **Biochim Biophys Acta** 1981 Oct 20;648(1):71–9

Kinetic analysis of 2-deoxy-D-glucose uptake in Saccharomyces fragilis. Van den Broek PJ, et al. **Biochim Biophys Acta** 1981 Dec 7;649(2):305–9

Quantitative measurement of local cerebral metabolic rate for glucose utilizing tritiated 2-deoxyglucose. Alexander GM, et al. **Brain Res** 1981 Oct 26;223(1):59–67

Glucose utilization increases in choroid plexus during slow wave sleep. A [14C] deoxyglucose study in the cat. Bobillier P, et al. **Brain Res** 1982 May 27;240(2):359–63

A study of the kinetic behaviour of glucose based on simultaneous estimates of influx and phosphorylation in brain regions of rats in different physiological states. Cremer JE, et al. **Brain Res** 1981 Sep 28;221(2):331–42

A method for the simultaneous estimation of regional rates of glucose influx and phosphorylation in rat brain using radiolabeled 2-deoxyglucose. Cunningham VJ, et al. **Brain Res** 1981 Sep 28;221(2):319–30

Species difference in circadian [14C]2-deoxyglucose uptake by suprachiasmatic nuclei. Flood DG, et al. **Brain Res** 1982 Jan 28;232(1):200–5

Spatial dimension in olfactory coding: a representation of the 2-deoxyglucose patterns of glomerular labeling in the olfactory bulb. Jourdan F. **Brain Res** 1982 May 27; 240(2):341–4

Sexually dimorphic cerebral asymmetries in 2-deoxy-D-glucose uptake during postnatal development of the rat: correlations with age and relative brain activity. Ross DA, et al. **Brain Res** 1982 Mar;255(3):341–7

Regional blood flow, capillary permeability, and glucose utilization in two brain tumor models: preliminary observations and pharmacokinetic implications. Blasberg RG, et al. **Cancer Treat Rep** 1981;65 Suppl 2:3–12

Altered cerebral glucose utilization following blood-brain barrier opening by hypertonicity or hypertension. Rapoport SI, et al. **Exp Neurol** 1981 Nov;74(2):519–29

Increased subcortical and laminar cortical 2-deoxy[14C]glucose uptake during cerebellar stimulation. Schim J, et al. **Exp Neurol** 1981 Nov;74(2):499–518

Insulin stimulates deoxyglucose transport in adult rat heart cells in the absence of Ca2+. Haworth RA, et al. **FEBS Lett** 1982 May 3;141(1):37–40

Transport of 6-deoxy-D-glucose and D-xylose by untransformed and SV40-transformed 3T3 cells. Romano AH, et al. **J Cell Physiol** 1982 Apr;111(1):83–8

Nomogram for 2-deoxyglucose lumped constant for rat brain cortex. Pardridge WM, et al. **J Cereb Blood Flow Metab** 1982;2(2):197–202

Derivation of equations for the steady-state reaction velocity of a substance based on the use of a second substance. Patlak CS. **J Cereb Blood Flow Metab** 1981;1(1):129–31

Use of 2-deoxy-D[1-11C]glucose for the determination of local cerebral glucose metabolism in humans: variation within and between subjects. Reivich M, et al. **J Cereb Blood Flow Metab** 1982 Sep;2(3):307–19

Localization of functional activity in the central nervous system by measurement of glucose utilization with radioactive deoxyglucose. Sokoloff L. **J Cereb Blood Flow Metab** 1981;1(1):7–36 (101 ref.)

Glucose enhancement of insulin action: elevated glucose levels increase insulin stimulation of 2-deoxyglucose uptake in cultured human fibroblasts. Ishibashi F, et al. **J Clin Endocrinol Metab** 1982 Jan;54(1):34–9

Decreased sensitivity of old and progeric human fibroblasts to a preparation of factors with insulinlike activity. Harley CB, et al. **J Clin Invest** 1981 Oct;68(4):988–94

Uptake and localization of 3H-2 deoxy-D-glucose by retinal photoreceptors. Witkovsky P, et al. **J Comp Neurol** 1982 Jan 10;204(2):105–16

Improving the resolution of the 2-deoxy-D-glucose method. Pilgrim C, et al. **J Histochem Cytochem** 1981 Jan;29(1A Suppl):190–4

No effect of hyperketonemia on local cerebral glucose utilization in conscious rats. Corddry DH, et al. **J Neurochem** 1982 Jun;38(6):1637–41

Effects of the putative GABAergic agonists, muscimol and THIP, upon local cerebral glucose utilisation. Kelly PA, et al. **J Neurochem** 1982 Sep;39(3):613–24

Kinetics of regional blood–brain barrier transport and brain phosphorylation of glucose and 2-deoxyglucose the barbiturate-anesthetized rat. Pardridge WM, et al. **J Neurochem** 1982 Feb;38(2):560–8

Functional activity of substantia nigra grafts reinnervating the striatum: neurotransmitter metabolism and [14C]2-deoxy-D-glucose autoradiography. Schmidt RH, et al. **J Neurochem** 1982 Mar;38(3):737–48

High resolution analysis of [3H]2-deoxyglucose incorporation into neurons and glial cells in invertebrate ganglia: histological processing of nervous tissue for selective marking of glycogen. Kai Kai MA, et al. **J Neurocytol** 1981 Aug;10(4):693–708

Effects of oxotremorine on local glucose utilization in the rat cerebral cortex. Dam M, et al. **J Neurosci** 1982 Aug; 2(8):1072–8

[14C]2-deoxyglucose uptake in ground squirrel brain during hibernation. Kilduff TS, et al. **J Neurosci** 1982 Feb; 2(2):143–57

Effects of gamma-aminobutyric acid agonist and antagonist drugs on local cerebral glucose utilization. Palacios JM, et al. **J Neurosci** 1982 Jul;2(7):853–60

2-deoxyglucose autoradiography of single motor units: labeling of individual acutely active muscle fibers. Toop J, et al. **J Neurosci Methods** 1982 Mar;5(3):283–9

The radiation dosimetry of 2 [F-18]fluoro-2-deoxy-D-glucose in man. Jones SC, et al. **J Nucl Med** 1982 Jul;23(7):613–7

Positron imaging feasibility studies. II: Characteristics of 2-deoxyglucose uptake in rodent and canine neoplasms: concise communication. Larson SM, et al. **J Nucl Med** 1981 Oct;22(10):875–9

Positron tomography with deoxyglucose for estimating local myocardial glucose metabolism. Ratib O, et al. **J Nucl Med** 1982 Jul;23(7):577–86

Radioactive deoxyglucose uptake into the heart muscle of the monkey. Matsunami K. **Jpn J Physiol** 1982;32(2):321–5

Independent control of selected insulin-sensitive cell membrane and intracellular functions-the linkage of cell membrane and intracellular events controlled by insulin. III. The influence of trypsin on cell membrane hexose transport and on glycogen synthase and mitochondrial pyruvate dehydrogenase activation. Kikuchi K, et al. **Mol Cell Biochem** 1981 Jul 7;37(2):125–30

Independent control of selected insulin-sensitive cell membrane and intracellular functions – the linkage of cell membrane and intracellular events controlled by insulin. L. The influence of pH on insulin binding, membrane hexose transport and glycogen synthase activation. Kikuchi K, et al. **Mol Cell Biochem** 1981 Jul 7;37(2):109–15

Independent control of selected insulin-sensitive cell membrane and intracellular functions – the linkage of cell membrane and intracellular events controlled by insulin. II. The influence of glutathione and N-ethyl maleimide on insulin binding, membrane hexose transport and glycogen synthase activation. Kikuchi K, et al. **Mol Cell Biochem** 1981 Jul 7;37(2):117–23

Hexose transport in hybrids between malignant and normal cells. White MK, et al. **Nature** 1981 Nov 19;294(5838):232–5

[3H]2-deoxyglucose transport by slices of cerebral cortex: apparent dependence upon mitochondrial energy. Gold BI, et al. **Neurochem Res** 1981 Sep;6(9):949–58

The methylphenidate-induced stereotypy in the awake rat: local cerebral metabolism. Bell RD, et al. **Neurology (NY)** 1982 Apr;32(4):377–81

Functional neuroanatomical mapping in insects by [3H] 2-deoxy-D-glucose at electron microscopical resolution. Buchner S, et al. **Neurosci Lett** 1982 Mar 5;28(3):235–40

Radioactive 2-deoxy-D-glucose incorporation into the prefrontal and premotor cortex of the monkey performing a forelimb movement. Matsunami K, et al. **Neurosci Lett** 1981 Oct;26(1):37–41

Radioautographic analysis of [14C]2-deoxyglucose uptake in hippocampal formation of the rat during physostigmine-induced theta. Monmaur P, et al. **Neurosci Lett** 1982 Mar 5;28(3):229–34

The neocortex of rats behaving in a driven rotating wheel shows a band characterized by preferential uptake of deoxyglucose. Orsini JC, et al. **Neurosci Lett** 1982 Apr 26; 29(3):287–91

A combined electrophysiological and [14C] 2-deoxyglucose study of the frequency organization of the inferior colliculus of the cat. Servière J, et al. **Neurosci Lett** 1981 Dec 11;27(2):113–8

Incorporation of [3H]2-deoxyglucose into glycogen in nervous tissues. Pentreath VW, et al. **Neuroscience** 1982 Mar;7(3):759–67

Development of central control of norepinephrine turnover and release in the rat heart: responses to tyramine, 2-deoxyglucose and hydralazine. Seidler FJ, et al. **Neuroscience** 1981;6(10):2081–6

Maillard type carbonyl-amine reactions in vivo and their physiological effects. Mester L, et al. **Prog Food Nutr Sci** 1981;5(1–6):295–314

[Local cerebral consumption of glucose in the mouse. Adaptation of the 14C deoxyglucose method to free-moving small mammals] Nowaczyk T, et al. **C R Seances Acad Sci [III]** 1981 Jul 6;293(1):79–83 **(Eng.** Abstr.) **(Fre)**

[Cellular localization of 2-deoxy-D-glucose uptake in brain tissue] Wagner HJ, et al. **Acta Histochem [Suppl]** (Jena) 1982;25:163–6 **(Ger)**

PHARMACODYNAMICS

Central control of peripheral circulating somatostatin in dogs: effect of 2-deoxyglucose. Ipp E, et al. **Am J Physiol** 1982 Sep;243(3):E213–6

2-Deoxy-D-glucose and insulin modify release of norepinephrine from rat hypothalamus. McCaleb ML, et al. **Am J Physiol** 1982 May;242(5):R596–603

Morphine suppresses plasma catecholamine responses to laparotomy but not to 2-deoxyglucose. Taborsky GJ Jr, et al. **Am J Physiol** 1982 May;242(5):E317–22

Amygdaloid lesions impair ingestive responses to 2-deoxy-D-glucose but not insulin. Tordoff MG, et al. **Am J Physiol** 1982 Jan;242(1):R129–35

Synthesis of the glycoprotein hormone alpha subunit and placental alkaline phosphatase by HeLa cells: effect of tunicamycin, 2-deoxyglucose, and sodium butyrate. Cox GS. **Biochemistry** 1981 Aug 18;20(17):4893–900

Enzymatic deoxyglucosylation of ceramides by microsomes of BHK-21 cells. The effect of deoxyglucose treatment and herpesvirus infection. Suzuki Y, et al. **Biochim Biophys Acta** 1982 Feb 15;710(2):221–9

Enhanced survival of adriamycin-treated Chinese hamster cells by 2-deoxy-D-glucose and 2,4-dinitrophenol. Colofiore JR, et al. **Cancer Res** 1982 Oct;42(10):3934–40

The effect of 6-deoxy-6-fluoroglucose on the fertility of male rats and mice. Ford WC. **Contraception** 1982 May; 25(5):535–45

Effects of 2-deoxy-D-glucose on the cardiac sympathetic nerves and the adrenal medulla in the rat: further evidence for a dissociation of sympathetic nervous system and adrenal medullary responses. Rappaport EB, et al. **Endocrinology** 1982 Feb;110(2):650–6

Uridylate trapping induced by the C-2-modified D-glucose analogs glucosone, fluoroglucose, and glucosamine. Holstege A, et al. **Eur J Biochem** 1982 Jan;121(2):469–74

The glucose dependence of pancreatic endocrine responses to 2-deoxyglucose in the calf. Edwards AV, et al. **Experientia** 1982 Jul 15;38(7):815–6

Effects of 2-deoxy-D-glucose on plasma and adrenal concentrations of corticosterone and aldosterone in standard diet fed and potassium loaded rats. Chevrier C, et al. **Horm Metab Res** 1982 Feb;14(2):94–7

Eating induced by injections of 2-deoxy-D-glucose in neurologically intact hypodipsic rats. Watson PJ, et al. **Int J Neurosci** 1981;15(1–2):95–8

Experimental evaluation of the glucose antimetabolite, 2-deoxy-D-glucose (2-DG) as a possible adjuvant to radiotherapy of tumors: I. Kinetics of growth and survival of Ehrlich ascites tumor cells (EATC) in vitro and of growth of solid tumors after 2-DG and X-irradiation. Purohit SC, et al. **Int J Radiat Oncol Biol Phys** 1982 Mar-Apr;8(3-4):495–9

Novel phosphoenolpyruvate-dependent futile cycle in Streptococcus lactis: 2-deoxy-D-glucose uncouples energy production from growth. Thompson J, et al. **J Bacteriol** 1982 Sep;151(3):1454–65

A colony-stimulating factor produced by mouse L . P3 cells in the presence of tunicamycin or 2-deoxy-D-glucose. Tsuneoka K, et al. **J Biochem (Tokyo)** 1981 Sep;90(3):611–8

Effect of 2-deoxy-D-glucose on cytomegalovirus-induced DNA synthesis in human fibroblasts. Radsak KD, et al. **J Gen Virol** 1981 Nov;57(Pt 1):33–42

Effect of glycolytic inhibitors on the sinoatrial node, atrium and atrioventricular node in the rabbit heart. Senges J, et al. **J Mol Cell Cardiol** 1981 Sep;13(9):811–21

Competitive inhibition of rat brain hexokinase by 2-deoxyglucose, glucosamine, and metrizamide. Bertoni JM. **J Neurochem** 1981 Dec;37(6):1523–8

Analysis of the 2-deoxy-D-glucose-induced vagal stimulation of gastric secretion and gastrin release in dogs using methionine-enkephalin, morphine and naloxone. Anderson W, et al. **J Pharmacol Exp Ther** 1982 Sep; 222(3):617–22

The effect of 6-chloro-6-deoxysugars on adenine nucleotide concentrations in and motility of rat spermatozoa. Ford WC, et al. **J Reprod Fertil** 1981 Sep;63(1):75–9

Effects of 6-chloro-6-deoxysugars on glucose oxidation in rat spermatozoa. Ford WC, et al. **J Reprod Fertil** 1981 Sep;63(1):67–73

Activities of various 6-chloro-6-deoxysugars and (S) alpha-chlorohydrin in producing spermatocoeles in rats

and paralysis in mice and in inhibiting glucose metabolism in bull spermatozoa in vitro. Ford WC, et al. **J Reprod Fertil** 1982 May;65(1):177–83

Development of sympathetic ganglionic neurotransmission in the neonatal rat. Pre- and postganglionic nerve response to asphyxia and 2-deoxyglucose. Smith PG, et al. **Neuroscience** 1982 Feb;7(2):501–7

Acute effects of food, 2-deoxy-D-glucose and noradrenaline on metabolic rate and brown adipose tissue in normal and atropinised lean and obese (fa/fa) Zucker rats. Rothwell NJ, et al. **Pflugers Arch** 1981 Dec;392(2):172–7

2-Deoxyglucose: inhibition of parasitemia and of glucosamine incorporation into glycosylated macromolecules, in malarial parasites (Plasmodium falciparum). Udeinya IJ, et al. **Pharmacology** 1981;23(3):171–5

2-Deoxy-D-glucose produces delayed hypophagia and conditioned taste aversion in rats. Thompson CI, et al. **Physiol Behav** 1981 Dec;27(6):1001–4

Inhibitors of glycosylation reverse retroviral interference. Rein A, et al. **Virology** 1982 May;119(1):185–92

A comparison of the toxic effects of 2-deoxy-D-glucose and 2-deoxy-2-fluoro-D-hexoses on Saccharomyces cerevisiae cells and protoplasts. Biely P, et al. **Z Allg Mikrobiol** 1981;21(7):489–97

THERAPEUTIC USE

Lack of efficacy of 2-deoxy-D-glucose in the treatment of experimental herpes genitalis in guinea pigs. Shannon WM, et al. **Antimicrob Agents Chemother** 1982 Mar;21(3):513–5

2-Deoxy-D-glucose for herpes simplex? [letter] McCray MK, et al. **J Am Acad Dermatol** 1982 Apr;6(4 Pt 1):550–1

Failure of 2-deoxy-D-glucose in the treatment of experimental cutaneous and genital infections due to herpes simplex virus. Kern ER, et al. **J Infect Dis** 1982 Aug; 146(2):159–66

TOXICITY

The effect of high doses of 6-chloro-6-deoxyglucose on the rat. Ford WC, et al. **Contraception** 1981 Nov;24(5):577–88

The neurotoxicity and antifertility properties of 6-chloro-6-deoxyglucose in the mouse. Jacobs JM, et al. **Neurotoxicology (Park Forest Il)** 1981 Nov;2(3):405–17

DEOXYADENINE NUCLEOTIDES

BLOOD

Reciprocal relationship between erythrocyte ATP and deoxy-ATP levels in inherited ADA deficiency. Simmonds HA, et al. **Biochem Pharmacol** 1982 Mar 15;31(6):947–51

Deoxyadenosine triphosphate accumulation in erythrocytes of deoxycoformycin-treated mice. Smith CM, et al. **Biochem Pharmacol** 1982 Apr 15;31(8):1545–51

Formation and degradation of deoxyadenosine nucleotides in inherited adenosine deaminase deficiency. Simmonds HA, et al. **Biosci Rep** 1982 May;2(5):303–14

METABOLISM

Modulation of 9-beta-D-arabinofuranosyladenine 5'-triphosphate and deoxyadenosine triphosphate in leukemic cells by 2'-deoxycoformycin during therapy with 9-beta-D-arabinofuranosyladenine. Plunkett W, et al. **Cancer Res** 1982 May;42(5):2092–6

Template-prime-dependent turnover of (Sp)-dATP alpha S by T4 DNA polymerase. The stereochemistry of the associated 3' goes to 5'-exonuclease. Gupta A, et al. **J Biol Chem** 1982 Jul 10;257(13):7689–92

Effects of mutational loss of adenosine kinase and deoxycytidine kinase on deoxyATP accumulation and deoxyadenosine toxicity in cultured CEM human T-lymphoblastoid cells. Hershfield MS, et al. **J Biol Chem** 1982 Jun 10;257(11):6380–6

DNA precursors in chemical mutagenesis: a novel application of DNA sequencing. Topal MD, et al. **Nature** 1982 Aug 26;298(5877):863–5

A DNA fragment with an alpha-phosphorothioate nucleotide at one end is asymmetrically blocked from digestion by exonuclease III and can be replicated in vivo. Putney SD, et al. **Proc Natl Acad Sci USA** 1981 Dec;78(12):7350–4

PHARMACODYNAMICS

DeoxyATP-resistant ribonucleotide reductase of mutant mouse lymphoma cells. Evidence for heterozygosity for the protein M1 subunits. Eriksson S, et al. **J Biol Chem** 1981 Oct 10;256(19):10184–8

A study of the mechanism of T4 DNA polymerase with diastereomeric phosphorothioate analogues of deoxyadenosine triphosphate. Romaniuk PJ, et al. **J Biol Chem** 1982 Jul 10;257(13):7684–8

DEOXYADENOSINE

Specific suppression of depurination at deoxyguanylate residues by silver ions: a useful reaction for the identification of deoxyadenylate residues in DNA. Pulleyblank DE. **FEBS Lett** 1982 Mar 22;139(2):276–8

ANALOGS & DERIVATIVES

Sequential metabolism of 5'-isobutylthioadenosine by methylthioadenosine phosphorylase and purine-nucleoside phosphorylase in viable human cells. Kamatani N, et al. **Biochem Biophys Res Commun** 1982 Feb 26;104(4):1335–42

Inhibition of a novel subspecies of DNA polymerase alpha by 2'-deoxy-2'-azidoadenosine 5'-triphosphate. Yagura T, et al. **Biochem Biophys Res Commun** 1982 Feb 26; 104(4):1189–95

Uptake of 5'-deoxy-5'-S-isobutyl thioadenosine into chick embryo fibroblasts. Enouf J, et al. **Biochem Pharmacol** 1981 Aug 1;30(15):2081–7

Inhibition of aminopropyltransferases by 5'-S-isobutyl-5'-deoxyadenosine in vitro. Hibasami H, et al. **Biochem Pharmacol** 1982 Apr 15;31(8):1649–50

Analogs of 2'-deoxyadenosine: facile enzymatic preparation and growth inhibitory effects on human cell lines. Huang MC, et al. **Biochem Pharmacol** 1981 Oct 1;30(19):2663–71

Effect of 5'-deoxy-5'-S-isobutyl-thioadenosine (SIBA) on the disposition of 5'-methylthioadenosine by isolated rat hepatocytes. Schanche T, et al. **FEBS Lett** 1982 Jan 25; 137(2):196–200

Selective antiviral activity of the antibiotic 2'-amino-2'-deoxyribofuranosyl adenine. Taguchi F, et al. **J Antibiot (Tokyo)** 1981 Mar;34(3):313–6

Preparation of the alpha and beta anomers of 9-(3,5-dideoxy-D-glycero-pent-4-enofuranosyl)adenine and their activity with leukemia L1210 cells in vitro. Lerner LM. **J Med Chem** 1982 Jul;25(7):825–8

Carbodiimide modification analysis of aminoacylated yeast phenylalanine tRNA: evidence for change in the apex region. Fritzinger DC, et al. **Nucleic Acids Res** 1982 Apr 10;10(7):2419–37

The effect of adenosine analogues on the in vitro growth of Trypanosoma cruzi. Nadler JP, et al. **Trans R Soc Trop Med Hyg** 1982;76(3):285–7

[Replicative methylation of DNA in L-cells: effect of S-isobutyladenosine and cycloheximide and possible existence of two DNA-methylases] Kir'ianov GI, et al. **Biokhimiia** 1982 Jan;47(1):153–61 (Eng. Abstr.) **(Rus)**

ANALYSIS

[2'Deoxyadenosine/adenosine deaminase ratio in pleural and peritoneal effusions. Diagnostic significance] Gakis C, et al. **Boll Soc Ital Biol Sper** 1981 Sep 30;57(18):1835–41 (Eng. Abstr.) **(Ita)**

BLOOD

Deoxyadenosine metabolism in the erythrocytes of children with severe, combined immunodeficiency. Perrett D, et al. **Biosci Rep** 1981 Dec;1(12):933–44

Levels of 2'-deoxycoformycin, adenosine, and deoxyadenosine in patients with acute lymphoblastic leukemia. Venner PM, et al. **Cancer Res** 1981 Nov;41(11 Pt 1):4508–11

[Serum 2'deoxyadenosine/adenosine deaminase ratio in clinical diagnosis] Gakis C, et al. **Boll Soc Ital Biol Sper** 1981 Sep 30;57(18):1848–51 (Eng. Abstr.) **(Ita)**

METABOLISM

Kinetic considerations for the regulation of adenosine and deoxyadenosine metabolism in mouse and human tissues based on a thymocyte model. Snyder FF, et al. **Biochim Biophys Acta** 1982 Mar 29;696(3):299–307

In vivo formation of benzo(alpha)pyrene diol epoxide-deoxyadenosine adducts in the skin of mice susceptible to benzo(alpha)pyrene-induced carcinogenesis. Ashurst SW, et al. **Int J Cancer** 1981 Mar 15;27(3):357–64

Adenosine- and deoxyadenosine-mediated altered pyrimidine metabolism in human adeosine deaminase-deficient lymphoblasts. Parker NF, et al. **J Lab Clin Med** 1982 May;99(5):731–9

PHARMACODYNAMICS

Deoxycoformycin-induced response in chronic lymphocytic leukaemia: deoxyadenosine toxicity in non-replicating lymphocytes. Kefford P.F. et al. **Br J Haematol** 1982 Apr; 50(4):627–36

The effect of deoxycoformycin and deoxyadenosine on deoxyribonucleotide concentrations in leukaemic cells. Sylwestrowicz T, et al. **Br J Haematol** 1982 Aug; 51(4):623–30

G1-phase arrest of cultured human leukemic T-cells induced by deoxyadenosine. Fox RM, et al. **Cancer Res** 1981 Dec; 41(12 Pt 1):5141–50

S-adenosylhomocysteine hydrolase inhibition in deoxyadenosine-treated human T-lymphoblasts and resting peripheral blood lymphocytes. Kefford RF, et al. **Cancer Res** 1982 Sep;42(9):3822–7

Nuclear RNA is spliced in the absence of poly(A) addition. Zeevi M, et al. **Cell** 1981 Oct;26(1 Pt 1):39–46

Effects of adenosine and deoxyadenosine on PHA-stimulation of lymphocytes of man, horse and pig. Peters GJ, et al. **Int J Biochem** 1982;14(5):377–85

Mechanism of deoxyadenosine-induced catabolism of adenine ribonucleotides in adenosine deaminase-inhibited human T lymphoblastoid cells. Bagnara AS, et al. **Proc Natl Acad Sci USA** 1982 Apr;79(8):2673–7

Differences in the activity of adenosine deaminase and of purine nucleoside phosphorylase and in the sensitivity to deoxypurine nucleosides between subpopulations of mouse thymocytes. Sidi Y, et al. **Thymus** 1982 May;4(3):147–54

TOXICITY

Purine deoxynucleoside toxicity in nondividing human lymphoid cells. Kefford RF, et al. **Cancer Res** 1982 Jan; 42(1):324–30

URINE

Renal handling of 2'-deoxyadenosine and adenosine in humans and mice. Kuttesch JF Jr, et al. **Cancer Chemother Pharmacol** 1982;8(2):221–9

DEOXYADENOSINE PHOSPHATES see **DEOXYADENINE NUCLEOTIDES**

DEOXYADENOSINECOBALAMINS see **COBAMIDES**

DEOXYCHOLATE see **DEOXYCHOLIC ACID**

DEOXYCHOLIC ACID

Circular dichroism study of horse colipase interaction with bile salt. Canioni P, et al. **Biochim Biophys Acta** 1981 Oct 28;670(3):305–11

Potential bile acid metabolites: IV. Inversion of 7 alpha-hydroxyl; ursodeoxycholic acid. Iida T, et al. **Lipids** 1981 Nov;16(11):863–5

ADMINISTRATION & DOSAGE

Regeneration and repair after biologic treatment of root surfaces in monkeys. II. Proximal surfaces posterior teeth. Wirthlin MR, et al. **J Periodontol** 1982 May;53(5):302–6

ANALOGS & DERIVATIVES

Uptake of cholesterol into rabbit jejunum using three in vitro techniques: importance of bile acid micelles and unstirred layer resistance. Thomson AB, et al. **Am J Physiol** 1981 Sep;241(3):G270–4

Conjugation is rate limiting in hepatic transport of ursodeoxycholate in the rat. Zouboulis-Vafiadis I, et al. **Am J Physiol** 1982 Sep;243(3):G208–13

Ursodeoxycholic acid: a safe and effective agent for dissolving cholesterol gallstones. Tint GS, et al. **Ann Intern Med** 1982 Sep;97(3):351–6

Transformation of bile acids by Clostridium perfringens. Hirano S, et al. **Appl Environ Microbiol** 1981 Sep; 42(3):394–9

Medical treatment of gallstones. Iser J. **Aust Fam Physician** 1981 Jun;10(6):492–4

The involvement of cytochrome b5 in 5 beta-cholestane-3 alpha, 7 alpha, 12 alpha-triol 25-hydroxylation and taurodeoxycholate 7 alpha-hydroxylation of rat liver. Noshiro M, et al. **Biochem Biophys Res Commun** 1982 Jun 15;106(3):927–32

Effect of bile salts on the hydrolysis of gangliosides, glycoproteins and neuraminyl-lactose by the neuraminidase of Clostridium perfringens. Gatt S, et al. **Biochem J** 1981 Jan 1;193(1):267–73

Pharmacokinetics and metabolism of [14C]ursodeoxycholic acid in the rat. Parquet M, et al. **Biochim Biophys Acta** 1981 Aug 24;665(2):299–305

Calcification of radiolucent gall stones during treatment with ursodeoxycholic acid [letter] di Mario F, et al. **Br Med J [Clin Res]** 1982 Apr 3;284(6321):1047–8

Ursodeoxycholic acid in the treatment of cholesterol cholelithiasis. Part II. Bachrach WH, et al. **Dig Dis Sci** 1982 Sep;27(9):833–56 (323 ref.)

Ursodeoxycholic acid in the treatment of cholesterol cholelithiasis. part I. Bachrach WH, et al. **Dig Dis Sci** 1982 Aug;27(8):737–61

Relationship between serum and biliary bile acids as an indicator of chenodeoxycholic and ursodeoxycholic acid-induced hepatotoxicity in the rhesus monkey. Bazzoli F, et al. **Dig Dis Sci** 1982 May;27(5):417–24

Who needs urso? [editorial] Thistle JL. **Dig Dis Sci** 1982 Sep;27(9):857–8

Differing effects of ursodeoxycholic or chenodeoxycholic acid on biliary cholesterol saturation and bile acid metabolism in man. A dose-response study. Thistle JL, et al. **Dig Dis Sci** 1982 Feb;27(2):161–8

Radiolucent gallstone dissolution with bedtime UDCA administration. Conte D, et al. **Digestion** 1981;22(6):302–4

Treatment of radiolucent gallstones with CDCA or UDCA. A multicenter trial. Polli EE, et al. **Digestion** 1981; 22(4):185–91

Comparative effects of chenodeoxycholic acid and ursodeoxycholic acid on lipid synthesis in rat liver. Mingrone G, et al. **Exp Pathol** 1981;20(4):193–6

Oral ursodeoxycholic acid tolerance test in patients with digestive disease. Yamanishi Y, et al. **Gastroenterol Jpn** 1981;16(5):472–7

Comparative formation of lithocholic acid from chenodeoxycholic and ursodeoxycholic acids in the colon. Bazzoli F, et al. **Gastroenterology** 1982 Oct;83(4):753–60

Retrospective comparison of 'Cheno' and 'Urso' in the medical treatment of gallstones. Meredith TJ, et al. **Gut** 1982 May;23(5):382–9

Noninvasive measurement of nutrient portal blood shunting: an experimental study with [14C]ursodeoxycholic acid. Nordlinger B, et al. **Hepatology** 1982 Jul-Aug;2(4):412–9

A combination of chenodeoxycholic acid and ursodeoxycholic acid is more effective than either alone in reducing biliary cholesterol saturation. Podda M, et al.

Hepatology 1982 May-Jun;2(3):334-9
Effect of the purified unsaponifiable fraction of soybean in combination with ursodeoxycholic acid on cholesterol saturation of bile and stone dissolution in gallstone patients. Kajiyama G, et al. **Hiroshima J Med Sci** 1981 Jun; 30(2):71-83
Chenodeoxycholic acid and ursodeoxycholic acid effects in endogenous hypertriglyceridemias. A controlled double-blind trial. Carulli N, et al. **J Clin Pharmacol** 1981 Oct;21(10):436-42
Gallstone dissolution after 6 months of ursodeoxycholic acid (UDCA): effectiveness of different doses. Podda M, et al. **J Int Med Res** 1982;10(1):59-63
Drawbacks in the use of 23-nor-deoxycholic acid standards. Attili AF, et al. **J Lipid Res** 1982 Jan;23(1):211-5
Thin-layer chromatographic separation of conjugates of ursodeoxycholic acid from those of litho-, chenodeoxy-, deoxy-, and cholic acids. Batta AK, et al. **J Lipid Res** 1981 May;22(4):712-4
Epimerization of chenodeoxycholic acid to ursodeoxycholic acid by human intestinal lecithinase-lipase-negative Clostridia. Edenharder R, et al. **J Lipid Res** 1981 May; 22(4):652-8
In vitro transformation of chenodeoxycholic acid and ursodeoxycholic acid by human intestinal flora, with particular reference to the mutual conversion between the two bile acids. Hirano S, et al. **J Lipid Res** 1981 Jul; 22(5):735-43
7 beta-Dehydroxylation of ursodeoxycholic acid by whole cells and cell extracts of the intestinal anaerobic bacterium, Eubacterium species V.P.I. 12708. White BA, et al. **J Lipid Res** 1982 Jan;23(1):145-53
Ursodeoxycholic acid prevents gastrointestinal disorders caused by anticancer drugs. Tatsumura T, et al. **Jpn J Surg** 1981 Mar;11(2):84-9
Hepatotoxicity of bile acids in rabbits: ursodeoxycholic acid is less toxic than chenodeoxycholic acid. Miyai K, et al. **Lab Invest** 1982 Apr;46(4):428-37
Ursodeoxycholic acid and gallstone calcification [letter] Bateson MC. **Lancet** 1982 Jan 2;1(8262):47
Ursodeoxycholic acid and gallstone calcification [letter] Raedsch R, et al. **Lancet** 1981 Dec 5;2(8258):1296
Is recurrence inevitable after gallstone dissolution by bile-acid treatment? Ruppin DC, et al. **Lancet** 1982 Jan 23;1(8265):181-5
Ursodeoxycholic acid and liver microsomal mixed function oxidase system in man. Di Padova C, et al. **Methods Find Exp Clin Pharmacol** 1981 Jul-Aug; 3(4):209-11
Chemical modification of membrane proteins by brominated taurodehydrocholate in isolated hepatocytes; relationship to the uptake of cholate and of phalloidin and to the sensitivity of hepatocytes to phalloidin. Ziegler K, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1982 Jun; 319(3):254-61
The dissolution of gallstones. Ferguson DR. **Primary Care** 1981 Jun;8(2):265-75 (20 ref.)
Effects of intravenous 16,16 dimethyl prostaglandin E2 on bile salt induced injury to gastric mucosa in canine Heidenhain pouches. Harmon JW, et al. **Prostaglandins** 1981;21 Suppl:103-12
Alternating treatment of common bile duct stones with a modified glyceryl-1-monooctanoate preparation and a bile acid-EDTA solution by nasobiliary tube. Leuschner U, et al. **Scand J Gastroenterol** 1981;16(4):497-503
The effect of ursodeoxycholic acid on biliary bile acid composition in patients with cholesterol gallstone. Kanazawa Y, et al. **Tohoku J Exp Med** 1982 Mar; 136(3):235-49
[Treatment of cholesterol gallstones with ursodesoxycholic acid (author's transl)] Bernades P, et al. **Nouv Presse Med** 1982 Feb 20;11(8):587-9 (Eng. Abstr.) **(Fre)**
[Medicamentous gallstone dissolution (author's transl)] Leuschner U. **Praxis** 1982 Mar 9;71(10):405-7 **(Ger)**
[Expected costs in the conservative and surgical treatment of uncomplicated cholecystolithiasis] Sonnenberg A, et al. **Z Gastroenterol** 1982 Feb;20(2):66-77 (Eng. Abstr.) **(Ger)**
[A comparative study of serum bile acid levels (TBA, CG) in liver disease-difference between fasting and UDCA oral loading (author's transl)] Hino K, et al. **Nippon Shokakibyo Gakkai Zasshi** 1981 Nov;78(11):2197 **(Jpn)**
[Change of serum bile acids levels after administration of UDCA and test meals (author's transl)] Inaguma H. **Nippon Shokakibyo Gakkai Zasshi** 1982 Feb;79(2):289 **(Jpn)**
[Diagnostic value of oral bile acid tolerance test (author's transl)] Matsumoto H, et al. **Nippon Shokakibyo Gakkai Zasshi** 1981 Jul;78(7):1380-7 (Eng. Abstr.) **(Jpn)**
[Effects of ursodeoxycholic acid on the biliary lipids secretion (author's transl)] Yanaura S, et al. **Nippon Yakurigaku Zasshi** 1981 Oct;78(4):261-7 (Eng. Abstr.) **(Jpn)**
[Enzyme immunoassay of ursodeoxycholic acid (author's transl)] Setoguchi T. **Rinsho Byori** 1981 May;29(5):443-5 **(Jpn)**
[A clinical significance of oral ursodeoxycholic acid tolerance test for patients with hepatobiliary diseases by using radioimmunoassay (author's transl)] Shinozaki K. **Rinsho Byori** 1981 May;29(5):475-7 **(Jpn)**
[Radioimmunoassay of ursodeoxycholic acid in serum (author's transl)] Tashiro A. **Rinsho Byori** 1981 May; 29(5):439-42 **(Jpn)**
[Further progress in the pharmacological dissolution of biliary calculi with ursodeoxycholic acid] Bojanowicz K, et al. **Wiad Lek** 1981 Aug 15;34(16):1363-7 (Eng. Abstr.) **(Pol)**
[Hepatotoxicity of the ursodeoxycholic acid in hamsters. Evaluation by electronic microscopy] Mamianetti A, et al. **Acta Gastroenterol Latinoam** 1981;11(1):195-201 (Eng. Abstr.) **(Spa)**

BLOOD

Deoxycholic acid in myotonic dystrophy [letter] Söderhäll S, et al. **Lancet** 1982 May 8;1(8280):1068-9

DIAGNOSTIC USE

[Clinical significance of bile acid tolerance tests in patients with liver diseases (author's transl)] Morita T, et al. **Rinsho Byori** 1981 May;29(5):467-70 **(Jpn)**

METABOLISM

Fetal bile salt metabolism: placental transfer of dihydroxy bile salts in sheep. Sewell RB, et al. **Am J Physiol** 1982 Aug;243(2):G172-5
Deoxycholic acid degradation by a Pseudomonas species. Acidic intermediates from the initial part of the catabolic pathway. Leppik RA. **Biochem J** 1982 Mar 15; 202(3):747-51
Addition of deoxycholate in electroimmunoassay and crossed immunofocusing for quantification of beta 2-glycoprotein I and its subfractions. Schousboe I. **J Biochem Biophys Methods** 1982 Jun;6(2):105-14

PHARMACODYNAMICS

Bile induction of 7 alpha- and 7 beta-hydroxysteroid dehydrogenases in Clostridium absonum. MacDonald IA, et al. **Biochim Biophys Acta** 1981 Aug 24;665(2):262-9
Differential response of premalignant epithelial cell classes to phorbol ester tumor promoters and to deoxycholic acid. Friedman EA. **Cancer Res** 1981 Nov;41(11 Pt 1):4588-99
The effect of hexamethonium on the secretion induced by sodium deoxycholate in the rat jejunum. Karlström L, et al. **Experientia** 1981;37(9):991-2
Promotive effects of deoxycholic acid on hepatocarcinogenesis initiated by diethylnitrosamine in male rats. Cameron R, et al. **Gan** 1981 Aug;72(4):635-6
Ca2+- and Mg2+-dependent ATPase activities in the deoxycholate-treated rat heart sarcolemma. Panagia V, et al. **Int J Biochem** 1982;14(5):387-97
Denaturation and renaturation of bacteriorhodopsin in detergents and lipid-detergent mixtures. London E, et al. **J Biol Chem** 1982 Jun 25;257(12):7003-11
Mechanism of deoxycholic acid stimulation of the rabbit colon. Shiff SJ, et al. **J Clin Invest** 1982 Apr;69(4):985-92
A cautionary note on the use of lentil lectin affinity chromatography in the presence of sodium deoxycholate. Barber BH, et al. **J Immunol Methods** 1982;48(1):87-95
Effect of deoxycholic, chenodeoxycholic, and cholic acids on intestinal absorption of cholesterol in humans. Sama C, et al. **Mayo Clin Proc** 1982 Jan;57(1):44-50
beta-Carboline binding to deoxycholate solubilized benzodiazepine receptors from calf cerebral cortex. Sherman-Gold R, et al. **Neurosci Lett** 1981 Nov 4; 26(3):325-8

THERAPEUTIC USE

Regeneration and repair after biologic treatment of root surfaces in monkeys. Wirthlin MR, et al. **J Periodontol** 1981 Dec;52(12):729-35

DEOXYCORTICOSTERONE see **DESOXYCORTICOSTERONE**

DEOXYCYTIDINE

Conformational stability of alternating d (CG) oligomers in high salt solution. Quadrifoglio F, et al. **Nucleic Acids Res** 1981 May 11;9(9):2195-206

ANALOGS & DERIVATIVES

A bacteriophage-induced 5-methyldeoxycytidine 5'-monophosphate kinase. Wang RY, et al. **Biochim Biophys Acta** 1982 Jan 26;696(1):31-6
Mode of action of 5-fluorocytidine and 5-fluoro-2'-deoxycytidine in L5178Y cells in vitro. Yoshida M, et al. **Chem Pharm Bull (Tokyo)** 1982 Mar; 30(3):1018-23

BLOOD

Radioimmunoassays of plasma thymidine, uridine, deoxyuridine, and cytidine/deoxycytidine. Dudman NP, et al. **Anal Biochem** 1981 Aug;115(2):428-37
Deoxycytidine and deoxythymidine kinase activities in plasma of mice and patients with neoplastic disease. Kreis W, et al. **Cancer Res** 1982 Jun;42(6):2514-7

METABOLISM

Rescue of thymidine cytotoxicity in L1210 ascites by elevated endogenous levels of deoxycytidine. Egan EM, et al. **Cancer Treat Rep** 1981 Sep-Oct;65(9-10):853-60
In vitro transcription of vesicular stomatitis virus. Incorporation of deoxyguanosine and deoxycytidine, and formation of deoxyguanosine caps. Schubert M, et al. **J Biol Chem** 1982 Mar 25;257(6):2968-73
Deoxycytidine excretion by mouse peritoneal macrophages: its implication in modulation of immunological functions. Chan TS, et al. **J Cell Physiol** 1982 Apr;111(1):28-32

PHARMACODYNAMICS

Cytosine arabinoside triphosphate production in human leukaemic myeloblasts: interactions with deoxycytidine. Harris AL, et al. **Cancer Chemother Pharmacol** 1981; 5(3):185-92

DEOXYCYTIDINE KINASE see under **PHOSPHOTRANSFERASES, ATP**

DEOXYCYTIDINE MONOPHOSPHATE see under **DEOXYCYTOSINE NUCLEOTIDES**

DEOXYCYTIDINE PHOSPHATES see **DEOXYCYTOSINE NUCLEOTIDES**

DEOXYCYTIDYLATE DEAMINASE see under **NUCLEOTIDE DEAMINASES**

DEOXYCYTIDYLATE HYDROXYMETHYLTRANSFERASE see under **TRANSFERASES**

DEOXYCYTOSINE NUCLEOTIDES

A carbon-13 nuclear magnetic resonance relaxation time study of streptozotocin-deoxyguanosine-5'-monophosphate-deoxy interactions. Fratiello A, et al. **Biochem Biophys Res Commun** 1982 Apr 14;105(3):1182-8

BIOSYNTHESIS

Enzymatic conversion of deoxycytidine 5'-monophosphate to 5-methyldeoxycytidine 5'-triphosphate. Wang RY, et al. **Anal Biochem** 1982 May 1;122(1):89-93

IMMUNOLOGY

Specificity of deoxycytidylate antibodies. Reddy MV, et al. **Immunol Lett** 1981 Oct;3(4):231-5

METABOLISM

Enzymatic conversion of deoxycytidine 5'-monophosphate to 5-methyldeoxycytidine 5'-triphosphate. Wang RY, et al. **Anal Biochem** 1982 May 1;122(1):89-93
DNA precursors in chemical mutagenesis: a novel application of DNA sequencing. Topal MD, et al. **Nature** 1982 Aug 26;298(5877):863-5

PHARMACODYNAMICS

Inhibitory effects of 3'deoxycytidine 5'-triphosphate and 3'-deoxyuridine 5'-triphosphate on DNA-dependent RNA polymerases I and II purified from Dictyostelium discoideum cells. Saneyoshi M, et al. **Nucleic Acids Res** 1981 Jul 10;9(13):3129-38
Deoxynucleoside [1-thio]triphosphates prevent proofreading during in vitro DNA synthesis. Kunkel TA, et al. **Proc Natl Acad Sci USA** 1981 Nov;78(11):6734-8

DEOXYEPHEDRINE see **METHAMPHETAMINE**

DEOXYEPINEPHRINE see under **DOPAMINE**

DEOXYGALACTOSE see **FUCOSE**

DEOXYGLUCOSE see under **DEOXY SUGARS**

DEOXYGUANINE NUCLEOTIDES

A carbon-13 nuclear magnetic resonance relaxation time study of streptozotocin-deoxyguanosine-5'-monophosphate-deoxy interactions. Fratiello A, et al. **Biochem Biophys Res Commun** 1982 Apr 14;105(3):1182-8
Interaction of cis-[Pt(NH3)2(H2O)2](NO3)2 with ribose deoxyribose diguanosine phosphates. Girault JP, et al. **Biochemistry** 1982 Mar 16;21(6):1352-6

PHARMACODYNAMICS

Inhibition of guanylate cyclase by guanosine 3'-phosphate and 2'-deoxyguanosine 3'-phosphate in silkworm fat body. Morishima I. **J Biochem (Tokyo)** 1982 Mar;91(3):905-9
Demonstration of normal and mutant protein M1 subunits of deoxyGTP-resistant ribonucleotide reductase from mutant mouse lymphoma cells. Ullman B, et al. **J Biol Chem** 1981 Oct 10;256(19):10189-92

DEOXYGUANOSINE

Analysis and excision of ring-opened phosphoramide

mustard-deoxyguanine adducts in DNA. Chetsanga CJ, et al. **Cancer Res** 1982 Jul;42(7):2616–21

Alkylation of N2 in deoxyguanosine by dehydroretronecine, a carcinogenic metabolite of the pyrrolizidine alkaloid monocrotaline. Robertson KA. **Cancer Res** 1982 Jan; 42(1):8–14

Modification of deoxyguanosine by chloroethylene oxide. Scherer E, et al. **Carcinogenesis** 1981;2(7):671–7

Specific suppression of depurination at deoxyguanylate residues by silver ions: a useful reaction for the identification of deoxyadenylate residues in DNA. Pulleyblank DE. **FEBS Lett** 1982 Mar 22;139(2):276–8

Conformational stability of alternating d (CG) oligomers in high salt solution. Quadrifoglio F, et al. **Nucleic Acids Res** 1981 May 11;9(9):2195–206

ANALOGS & DERIVATIVES

Conformation of 2-[(deoxyguanosin-8-ylacetyl)amino]fluorene differs in protein-free deoxyribonucleic acid and chromatin. Ross J, et al. **Biochemistry** 1982 Mar 16;21(6):1369–74

Disposition and metabolism of thiopurines III. beta-2'-Deoxythioguanosine and 6-thioguanine in the dog. Loo TL, et al. **Cancer Chemother Pharmacol** 1981; 6(2):131–6

Pharmacokinetics and metabolism of beta-2'-deoxythioguanosine and 6-thioguanine in man. Lu K, et al. **Cancer Chemother Pharmacol** 1982;8(1):119–23

Evaluation of beta-2'-deoxythioguanosine combined with methyl-CCNU or mitomycin in advanced colorectal cancer. A Southwest Oncology Group study. Gagliano RG, et al. **Cancer Clin Trials** 1981 Winter;4(4):401–5

Adducts from the reaction of O,O'-diacetyl or O-acetyl derivatives of the carcinogen 4-hydroxyaminoquinoline 1-oxide with purine nucleosides. Bailleul B, et al. **Cancer Res** 1981 Nov;41(11 Pt 1):4559–65

Structural identification of the pyrimidine derivatives formed from N-(deoxyguanosin-8-yl)-2-aminofluorene in aqueous solution at alkaline pH. Kriek E, et al. **Carcinogenesis** 1980 Jun;1(6):459–68

Measurement of O6-ethyldeoxyguanosine and N-(deoxyguanosin-8-yl)-N-acetyl-2-aminofluorene in DNA by high-sensitive enzyme immunoassays. Van Der Laken CJ, et al. **Carcinogenesis** 1982;3(5):569–72

Immunoassay of O6-methyldeoxyguanosine in DNA: the use of polyethylene glycol to separate bound and free nucleoside. Salih H, et al. **Chem Biol Interact** 1982 Aug; 41(2):169–80

Formation of 6-dimethylcarbamyloxy-dGuo, 6-dimethylamino-dGuo and 4-dimethylamino-dThd following in vitro reaction of dimethylcarbamyl chloride with calf thymus DNA and 6-diethylcarbamyloxy-dGuo following in vitro reaction of diethylcarbamyl chloride with calf thymus DNA. Segal A, et al. **Chem Biol Interact** 1982 Jun;40(2):209–31

Radioimmunoassay for 2-acetylaminofluorene-DNA adducts. Poirier MC, et al. **Methods Enzymol** 1982;84 Pt D:607–18

ANALYSIS

Force field conformational analysis of aminofluorene and acetylaminofluorene substituted deoxyguanosine. Lipkowitz KB, et al. **Chem Biol Interact** 1982 May; 40(1):57–76

METABOLISM

Covalent binding of benzidine and N-acetylbenzidine to DNA at the C-8 atom of deoxyguanosine in vivo and in vitro. Martin CN, et al. **Cancer Res** 1982 Jul;42(7):2678–86

In vitro transcription of vesicular stomatitis virus. Incorporation of deoxyguanosine and deoxycytidine, and formation of deoxyguanosine caps. Schubert M, et al. **J Biol Chem** 1982 Mar 25;257(6):2968–73

PHARMACODYNAMICS

[In vitro alkylation tests: a comparison of the rate of alkylation and mutagenicity] Hemminke K, et al. **Gig Tr Prof Zabol** 1982 Jan;(1):43–4 **(Rus)**

DEOXYGUANOSINE PHOSPHATES see **DEOXYGUANINE NUCLEOTIDES**

DEOXYMANNOSE see **RHAMNOSE**

DEOXYRIBONUCLEASE

TSH-treatment of thyroid slices increases the amount of DNA released from nuclei by mild DNase-I digestion. Abe Y, et al. **Biochem Biophys Res Commun** 1982 Apr 14; 105(3):1102–8

The effect of guanidine hydrochloride on the conformation of bovine pancreatic DNAase I as measured with circular dichroism. Okabe N, et al. **Biochim Biophys Acta** 1982 Jan 18;700(2):165–70

Electron microscopical localization of nucleic acids by means of nuclease--gold complexes. Bendayan M. **Histochem J** 1981 Sep;13(5):699–710

The appearance of DNase I hypersensitive sites at the 5' end of the late SV40 genes is correlated with the transcriptional switch. Cremisi C. **Nucleic Acids Res** 1981 Nov 25; 9(22):5949–64

Use of exonuclease III to determine the site of stable lesions in defined sequences of DNA: the cyclobutane pyrimidine dimer and cis and trans dichlorodiammine platinum II examples. Royer-Pokora B, et al. **Nucleic Acids Res** 1981 Sep 25;9(18):4595–609

DNase I hypersensitive sites of the chromatin for Drosophila melanogaster ribosomal protein 49 gene. Wong YC, et al. **Nucleic Acids Res** 1981 Dec 21;9(24):6749–62

Three-dimensional structure of the complex of skeletal muscle actin and bovine pancreatic DNAse I at 6-A resolution. Suck D, et al. **Proc Natl Acad Sci USA** 1981 Jul;78(7):4319–23

[Properties of protein released from mouse spleen nuclei under conditions of limited hydrolysis with DNase I and micrococcal nuclease] Karavanov AA, et al. **Mol Biol (Mosk)** 1981 Jan-Feb;15(1):220–33 (Eng. Abstr.) **(Rus)**

ADMINISTRATION & DOSAGE

[Effectiveness of a DNAse aerosol in bronchial asthma] Demin AA, et al. **Sov Med** 1981;(10):93–6 **(Rus)**

ANALYSIS

Activity staining of nucleolytic enzymes after sodium dodecyl sulfate-polyacrylamide gel electrophoresis: use of aqueous isopropanol to remove detergent from gels. Blank A, et al. **Anal Biochem** 1982 Mar 1;120(2):267–75

Substrate-containing gel electrophoresis: sensitive detection of amylolytic, nucleolytic, and proteolytic enzymes. Brown TL, et al. **Anal Biochem** 1982 May 1;122(1):164–72

Sensitive detection of specific repair endonucleases: radial diffusion assay utilizing differential alkaline denaturation of supercoiled and nicked PM2 DNA in agarose gels. Hurley DL, et al. **Anal Biochem** 1981 Dec;118(2):371–81

Isoelectric focusing of multiple forms of DNase in thin layers of polyacrylamide gel and detection of enzymatic activity with a zymogram method following separation. Kim HS, et al. **Anal Biochem** 1982 Jan 1;119(1):96–101

Use of methyl green-DNA agarose for detecting deoxyribonuclease activity in polyacrylamide gels. Porter AC. **Anal Biochem** 1981 Oct;117(1):28–31

DNA ligase and DNase activities in mouse erythroleukemia cells during dimethyl sulfoxide-induced differentiation. Scher BM, et al. **Cancer Res** 1982 Apr;42(4):1300–6

Cytochemical demonstration of DNAse in pollen. Vaughn KC. **Histochemistry** 1982;73(4):487–91

A novel deoxyribonuclease inhibitor from Micromonospora. Ogawara H, et al. **J Antibiot (Tokyo)** 1982 Feb;35(2):248–53

A novel method for determination of deoxyribonuclease and deoxyribonuclease inhibitor. Yanagida T, et al. **J Antibiot (Tokyo)** 1982 Feb;35(2):245–7

Subunit structure of Escherichia coli exonuclease VII. Vales LD, et al. **J Biol Chem** 1982 Aug 10;257(15):8799–805

ANTAGONISTS & INHIBITORS

An improved method for determining the actin filament content of nonmuscle cells by the DNase I inhibition assay. Fox JE, et al. **Anal Biochem** 1981 Oct;117(1):170–7

Reactivity of tyrosine in bovine pancreatic deoxyribonuclease with p-nitrobenzenesulfonyl fluoride. Liao TH, et al. **J Biol Chem** 1982 May 25;257(10):5637–44

Mapping of an adenovirus function involved in the inhibition of DNA degradation. Lai Fatt RB, et al. **J Virol** 1982 Jun; 42(3):969–77

Partial purification and properties of an exonuclease inhibitor induced by bacteriophage Mu-1. Williams JG, et al. **J Virol** 1981 Aug;39(2):548–58

Selective inhibition by harmane of the apurinic apyrimidinic endonuclease activity of phage T4-induced UV endonuclease. Warner HR, et al. **Nucleic Acids Res** 1981 Nov 25;9(22):6083–92

[Possible role of nucleases in the mechanism of the induction effect of phenobarbital] Matiushin AI, et al. **Farmakol Toksikol** 1981 Mar-Apr;44(2):208–10 (Eng. Abstr.) **(Rus)**

BIOSYNTHESIS

[Biosynthesis of early enzymes induced by bacteriophage T4] Vaitkiavichene RS, et al. **Biokhimiia** 1981 Sep; 46(9):1596–602 (Eng. Abstr.) **(Rus)**

BLOOD

Serum alkaline deoxyribonuclease in oral cancer and premalignant lesions. Scully C, et al. **Biomedicine** 1981 Nov; 35(6):179–80

Serum DNase activity after experimental, acute hemorrhagic-necrotizing pancreatitis in dogs: detection of a serum DNase isoenzyme. Reitz M, et al. **Eur Surg Res** 1981;13(4):269–77

Serum deoxyribonuclease I and clinical activity in systemic lupus erythematosus. Chitrabamrung S, et al. **Rheumatol Int** 1981;1(2):55–60

A radial diffusion assay for plasma and serum deoxyribonuclease I. Chitrabamrung S, et al. **Rheumatol Int** 1981;1(2):49–53

The role of acid and alkaline DNases as tumour markers in cancer of the genitourinary tract. Lykourinas M, et al. **Urol Res** 1982;10(2):67–70

DIAGNOSTIC USE

Fine structure of the origin-proximal DNAase I-hypersensitive region in wild-type and EC mutant polyoma. Herbomel P, et al. **Cell** 1981 Sep;25(3):651–8

GENETICS

Transfection assay for deoxyribonucleases. Thomas G, et al. **Indian J Exp Biol** 1981 Jul;19(7):614–6

den V gene of bacteriophage T4 codes for both pyrimidine dimer-DNA glycosylase and apyrimidinic endonuclease activities. McMillan S, et al. **J Virol** 1981 Oct;40(1):211–23

Membrane-associated DNase activity controlled by genes 46 and 47 of bacteriophage T4D and elevated DNase activity associated with the T4 das mutation. Mickelson C, et al. **J Virol** 1981 Oct;40(1):65–77

Apurinic endonuclease from Drosophila melanogaster: reduced enzymatic activity in excision-deficient mutants of the mei-9 and mus(2)201 Loci. Osgood CJ, et al. **MGG** 1982;186(2):235–9

IMMUNOLOGY

Diagnosis of streptococcal infection: previous or recent. Fujikawa S, et al. **Jpn Circ J** 1981 Dec;45(12):1382–3

Clinical appraisal of the antideoxyribonuclease-B (ADNB) by means of streptonase-B test (Wampole). Oda T, et al. **Jpn Circ J** 1981 Dec;45(12):1374–8

Follow-up study of ASO, ADN-B and ASK levels in children with rheumatic fever. Watanabe N, et al. **Jpn Circ J** 1981 Dec;45(12):1379–81

Anti-deoxyribonulease B survey in a population sample. Yamada T, et al. **Jpn Circ J** 1981 Dec;45(12):1371–3

ISOLATION & PURIFICATION

Separation of ATP-dependent DNAse to ATPase and DNAse. Bánfalvi G, et al. **Acta Biol Acad Sci Hung** 1981; 32(1):45–54

An enzyme activity from Escherichia coli that attacks single-stranded deoxyribopolymers and single-stranded deoxyribonucleic acid containing apyrimidinic sites. Bonura T, et al. **Biochemistry** 1982 May 11;21(10):2548–56

Purification and some properties of a deoxyribonucleic acid endonuclease endogenous to rat liver chromatin. Machray GC, et al. **Biochemistry** 1981 Sep 15;20(19):5466–70

Purification and properties of a neutral endodeoxyribonuclease from rat small intestinal mucosa. Nagae S, et al. **Biochemistry** 1982 Mar 16;21(6):1339–44

Purification and properties of a neutral endodeoxyribonuclease from guinea pig epidermis. Anai M, et al. **Biochim Biophys Acta** 1981 Dec 28;656(2):183–8

Purification and some properties of ATP-dependent deoxyribonuclease of Caulobacter crescentus. Markiewicz Z, et al. **Biochim Biophys Acta** 1981 Oct 27;655(3):383–9

Base-excision repair in carrot cells. Partial purification and characterization of uracil-DNA glycosylase and apurinic/apyrimidinic endodeoxyribonuclease. Talpaert-Borlè M, et al. **Eur J Biochem** 1982 Jun; 124(3):435–40

Affinities of various nucleases to DNA-Sepharose under non-digestive conditions: survey for productive affinity chromatography. Tanaka H, et al. **J Biochem (Tokyo)** 1982 Apr;91(4):1411–7

DNase A, a poly(dA) and poly(dT)-specific deoxyribonuclease from Achatina fulica. Purification and characterization. Yanagawa H, et al. **J Biochem (Tokyo)** 1981 Nov;90(5):1463–78

DNase A, a poly(dA) and poly(dT)-specific deoxyribonuclease from Achatina fulica. Further investigation on the specificity. Yanagawa H, et al. **J Biochem (Tokyo)** 1981 Nov;90(5):1479–85

A novel endonuclease specified by bacteriophage lambda. Purification and properties of the enzyme. Benchimol S, et al. **J Biol Chem** 1982 May 10;257(9):5211–9

Purification and characterization of normal and mutant forms of T4 endonuclease V. Nakabeppu Y, et al. **J Biol Chem** 1982 May 10;257(5):2556–62

Identification of the Escherichia coli recB and recC gene products. Hickson ID, et al. **Nature** 1981 Dec 10; 294(5841):578–80

[Isolation, purification and properties of acid deoxyribonuclease from silkworm Bombyx mori eggs] Bochkova AP, et al. **Biokhimiia** 1982 Mar;47(3):489–96 (Eng. Abstr.) **(Rus)**

METABOLISM

Tb3+ as a luminescent probe of actin structure: effects of polymerization, KI, and the binding of deoxyribonuclease I. Burtnick LD. **Arch Biochem Biophys** 1982 Jun; 216(1):81–7

Isolated Entamoeba histolytica actin does not inhibit DNAse-I activity. Gadasi H. **Biochem Biophys Res Commun** 1982 Jan 15;104(1):158–64

Some factors affecting the interaction between actin in leukemic L1210 cells and DNASE I. Malicka-Blaszkiewicz M, et al. **Biochem Biophys Res Commun** 1981 Sep 30; 102(2):594–601

Stimulation of bull seminal Ca2+, Mg2+-dependent endonuclease by various DNA-binding proteins. Yoshihara K, et al. **Biochem Biophys Res Commun** 1982 Jun 15; 106(3):803–10

Differential sensitization to deoxyribonuclease I of Xenopus

vitellogenin and albumin genes during primary and secondary induction of vitellogenesis by oestradiol. Dimitriadis GJ, et al. **Biochem J** 1982 Feb 15;202(2):491–7

Apurinic endonuclease from Saccharomyces cerevisiae. Thielmann HW, et al. **Biochem J** 1981 May 1;195(2):407–17

Histone acetylation and the deoxyribonuclease I sensitivity of the Tetrahymena ribosomal gene. Vavra KJ, et al. **Biochemistry** 1982 Apr 13;21(8):1772–81

Modulation of ascites tumour growth by nucleic acids and nucleases. Burdon RH, et al. **Br J Cancer** 1982 Feb; 45(2):295–9

Chromatin–associated deoxyribonuclease activity in liver nuclei isolated from Rana catesbeiana froglets and premetamorphic and T3–induced tadpoles. Harvey W, et al. **Can J Biochem** 1982 Jan;60(1):21–7

Endonucleases in yeast mitochondria: apurinic and manganese–stimulated deoxyribonuclease activities in the inner mitochondrial membrane of Saccharomyces cerevisiae. Foury F. **Eur J Biochem** 1982 May 17; 124(2):253–9

Dimerization of deoxyribonuclease I, lysozyme and papain. Effects of ionic strength on enzymic activity. Sorrentino S, et al. **Eur J Biochem** 1982 May;124(1):183–9

Localization of the phosphoester bond hydrolyzed by the major apurinic/apyrmidinic endodeoxyribonuclease from rat–liver chromatin. Verly WG, et al. **Eur J Biochem** 1981 Aug;118(1):195–201

Correlation of increased nuclease activity with enhanced virus reactivation. Nishiyama Y, et al. **Exp Cell Res** 1982 Apr;138(2):485–9

Mammalian DNA–repair endonuclease acts only on supercoiled DNA. Helland D, et al. **FEBS Lett** 1982 Jun 1;142(1):121–4

Nucleodisome – a new repeat unit of chromatin revealed in nuclei of pigeon erythrocytes by DNase I digestion. Khachatrian AT, et al. **FEBS Lett** 1981 Jun 1;128(1):90–2

[Methyl–3H]thymidine in DNA induces lesions which are recognized by a mammalian DNA–repair endonuclease. Nes IF. **FEBS Lett** 1981 Oct 26;133(2):217–20

Ribonucleases & deoxyribonucleases in Plasmodium knowlesi. Banyal HS, et al. **Indian J Exp Biol** 1981 Feb; 19(2):173–5

Exonuclease activity from Pseudomonas aeruginosa which is missing in phenotypically restrictionless mutants. Potter AA, et al. **J Bacteriol** 1982 Sep;151(3):1204–9

Role of exonuclease III in the base excision repair of uracil–containing DNA. Taylor AF, et al. **J Bacteriol** 1982 Jul;151(1):351–7

Site–specific endo–deoxyribonucleases in eukaryotes: endonucleases of yeasts, Saccharomyces and Pichia. Watabe H, et al. **J Biochem (Tokyo)** 1981 Dec;90(6):1623–32

Repair of mitochondrial DNA in Saccharomyces cerevisiae. Induction of cytoplasmic petite mutants in a nuclear mutant exhibiting thermosensitive mitochondrial deoxyribonuclease activity. Foury F. **J Biol Chem** 1982 Jan 25;257(2):781–7

A lymphocyte ATP–dependent deoxyribonuclease. Isolation and properties. Graw J, et al. **J Biol Chem** 1981 Dec 25; 256(24):13207–12

Template–prime–dependent turnover of (Sp)–dATP alpha S by T4 DNA polymerase. The stereochemistry of the associated 3' goes to 5'–exonuclease. Gupta A, et al. **J Biol Chem** 1982 Jul 10;257(13):7689–92

Characterization of the action of Escherichia coli DNA polymerase I at incisions produced by repair endodeoxyribonucleases. Mosbaugh DW, et al. **J Biol Chem** 1982 Jan 10;257(1):575–83

A unified mechanism for the nuclease and unwinding activities of the recBC enzyme of Escherichia coli. Muskavitch KM, et al. **J Biol Chem** 1982 Mar 10; 257(5):2641–8

Effect of recA protein on the DNAse activities of the recBC enzyme. Preil A, et al. **J Biol Chem** 1981 Oct 25; 256(20):10415–9

Exonuclease II from Saccharomyces cerevisiae. An enzyme which liberates 5'–deoxyribomononucleotides from single–stranded DNA by a 5' goes to 3' mode of hydrolysis. Villadsen IS, et al. **J Biol Chem** 1982 Jul 25;257(14):8177–82

Chromatin structure of the chicken beta–globin gene region. Sensitivity to DNase I, micrococcal nuclease, and DNase II. Wood WI, et al. **J Biol Chem** 1982 Jul 10;257(13):7730–6

Reversibility of acid and alkaline deoxyribonuclease deficiency in malignant tumor cells. Taper HS. **J Histochem Cytochem** 1981 Sep;29(9):1053–60

The repair of DNA damage: recent developments and new insights. Friedberg EC, et al. **J Supramol Struct Cell Biochem** 1981;16(1):91–103

Mechanism of replication of bacteriophage phi X174 XX. Sensitivity of nascent DNA to single–strand–specific nucleases. Matthes M, et al. **J Virol** 1982 Apr;42(1):12–9

Evidence that the UV endonuclease activity induced by bacteriophage T4 contains both pyrimidine dimer–DNA glycosylase and apyrimidinic/apurinic endonuclease activities in the enzyme molecule. Warner HR, et al. **J Virol** 1981 Oct;40(1):204–10

The DNase I sensitivity of Xenopus laevis genes transcribed by RNA polymerase III. Coveney J, et al. **Nature** 1982 Aug 5;298(5874):578–80

Activity of nucleases in the rat brain during training with emotionally varying reinforcement. Trem'yak TM, et al. **Neurosci Behav Physiol** 1981 Jul–Aug;11(4):313–7

Shotgun DNA sequencing using cloned DNase I–generated fragments. Anderson S. **Nucleic Acids Res** 1981 Jul 10; 9(13):3015–27

Avian erythrocyte chromatin degradation: the progressive exposure of the dinucleosomal repeat by bovine–pancreatic–DNAase–I–armed probes and free DNAase–I. Burgoyne LA, et al. **Nucleic Acids Res** 1982 Jan 22;10(2):665–73

Quantitation of DNase I sensitivity in Xenopus chromatin containing active and inactive globin, albumin and vitellogenin genes. Felber BK, et al. **Nucleic Acids Res** 1981 Jun 11;9(11):2455–74

Purification and properties of a new DNase activity from KB cells. Frenkel GD, et al. **Nucleic Acids Res** 1981 Dec 11;9(23):6635–44

Release of a globin gene enriched chromatin fraction from chicken erythrocyte nuclei following DNase II digestion. Goldsmith ME. **Nucleic Acids Res** 1981 Dec 11; 9(23):6471–85

New rapid methods for DNA sequencing based in exonuclease III digestion followed by repair synthesis. Guo LH, et al. **Nucleic Acids Res** 1982 Mar 25;10(6):2065–84

DNase II digestion of the nucleosome core: precise locations and relative exposures of sites. Lutter LC. **Nucleic Acids Res** 1981 Sep 11;9(17):4251–65

Deoxyribonuclease II as a probe to sequence–specific chromatin organization: preferential cleavage in the 72 bp modulator sequence of SV40 minichromosome. Shakhov AN, et al. **Nucleic Acids Res** 1982 Jul 10;10(13):3951–65

Differences in the nuclease sensitivity between the two alleles of the immunoglobulin kappa light chain genes in mouse liver and myeloma nuclei. Weischet WO, et al. **Nucleic Acids Res** 1982 Jun 25;10(12):3627–45

Bacteriophage lambda DNA packaging: scanning for the terminal cohesive end site during packaging. Feiss M, et al. **Proc Natl Acad Sci USA** 1982 Jun;79(11):3498–502

Deoxyribonuclease I sensitivity of plasmid genomes in teratocarcinoma–derived stem and differentiated cells. Huebner K, et al. **Proc Natl Acad Sci USA** 1981 Aug; 78(8):5071–5

A DNA fragment with an alpha–phosphorothioate nucleotide at one end is asymmetrically blocked from digestion by exonuclease III and can be replicated in vivo. Putney SD, et al. **Proc Natl Acad Sci USA** 1981 Dec;78(12):7350–4

Murine erythroleukemia cell differentiation: DNase I hypersensitivity and DNA methylation near the globin genes. Sheffery M, et al. **Proc Natl Acad Sci USA** 1982 Feb;79(4):1180–4

Epstein–Barr virus–induced deoxynuclease and the reutilization of host–cell DNA degradation products in viral DNA replication. Feighny RJ, et al. **Virology** 1981 Dec;115(2):395–400

The effect of a temperature–sensitive lesion in the alkaline DNase of herpes simplex virus type 2 on the synthesis of viral DNA. Francke B, et al. **Virology** 1982 Jan 15; 116(1):116–27

[DNase II activation in rat liver in the course of acute diethylnitrosamine–induced damage (author's transl)] Schmerold I, et al. **Arch Toxicol** 1981 Sep;48(2–3):183–97 (Eng. Abstr.) **(Ger)**

[Specific effect of endonucleases from Brevibacterium ammoniagenes on DNA] Basnak'ian AG, et al. **Biokhimiia** 1981 Jul;46(7):1307–14 (Eng. Abstr.) **(Rus)**

[Characterization of DNAse from rat brain] Ivanov VA, et al. **Biokhimiia** 1982 Mar;47(3):398–404 (Eng. Abstr.) **(Rus)**

[Substrate specificity of Ca2+,Mg2+–dependent DNAase from sea urchin (Strongylocentrotus intermedius) embryos] Menzorova NI, et al. **Biokhimiia** 1981 May;46(5):872–80 (Eng. Abstr.) **(Rus)**

[Small nucleosome as a possible structural element of chromatin detectable by Ca, Mg–endonouclease] Miul'berg AA, et al. **Dokl Akad Nauk SSSR** 1981;259(2):492–5 **(Rus)**

[Molecular mechanisms of stabilization and preparation of metabolic breaks in DNA strands in vivo. I. Tandem action of exonuclease V and DNA polymerase II] Fradkin GE, et al. **Mol Biol (Mosk)** 1982 Jan–Feb;16(1):55–8 (Eng. Abstr.) **(Rus)**

[Early postradiation rat thymus chromatin changes: Mg2+ content and degradation intensity as affected by endogenous nucleases] Chirkova LP, et al. **Radiobiologiia** 1981 May–Jun;21(3):335–40 (Eng. Abstr.) **(Rus)**

PHARMACODYNAMICS

The effect of micrococcal nuclease and DNAase I on bulk and 5 S RNA synthesis in isolated HeLa cell nuclei. Kohno K, et al. **Biochim Biophys Acta** 1981 Jun 26;654(1):142–8

DNAase I sensitivity and methylation of active versus inactive rRNA genes in xenopus species hybrids. Macleod D, et al. **Cell** 1982 May;29(1):211–8

Accessibility of metaphase chromosomes from Chinese hamster ovary cells to DNase II. Fittler F, et al. **FEBS Lett** 1981 Sep 28;132(2):341–3

The intranuclear distribution of rat uterine estrogen receptors determined after nuclease treatment and chromatin fractionation. Pavlik EJ, et al. **Mol Cell Endocrinol** 1982 Apr;26(1–2):201–16

Chromosome–bound mitotic factors: release by endonucleases. Adlakha RC, et al. **Nucleic Acids Res** 1982 Jul 10;10(13):4107–17

DNAase I sensitivity of genes expressed during myogenesis. Carmon Y, et al. **Nucleic Acids Res** 1982 May 25; 10(10):3085–98

Active genes are sensitive to deoxyribonuclease I during metaphase. Gazit B, et al. **Science** 1982 Aug 13; 217(4560):648–50

DNase I sensitivity of endogenous and exogenous proviral genome copies in M–MuLV–induced tumors of Mov–3 Mice. Breindl M, et al. **Virology** 1982 May;119(1):204–8

[Exogenous DNAse initiation of DNA replication in Bacillus subtilis] Kupriianova FG, et al. **Mikrobiologiia** 1981 May–Jun;50(3):437–41 **(Rus)**

[Karyosphere and nuclear envelope ultrastructure of oocytes of the common frog Rana temporaria after nuclease treatment and extraction of chromatin and alkali–soluble proteins] Filatova LS, et al. **Tsitologiia** 1982 Feb; 24(2):131–6 (Eng. Abstr.) **(Rus)**

RADIATION EFFECTS

Effect of dilution on thermal neutron induced inactivation of deoxyribonuclease I. Akaboshi M, et al. **Int J Radiat Biol** 1982 Jul;42(1):99–104

[Bioindicator potentials of enzyme tests in external beta irradiation of the body] Matiushichev VB, et al. **Radiobiologiia** 1981 Nov–Dec;21(6):906–9 **(Rus)**

THERAPEUTIC USE

[Treatment of typical every–day wounds, burns and leg ulcers in medical practice] **Fortschr Med** 1982 Jul 1; 100(25):1210–1 **(Ger)**

[Use of deoxyribonuclease in the treatment of experimental tuberculosis] Ertevtsian LN, et al. **Probl Tuberk** 1981 Sep; (9):40–4 (Eng. Abstr.) **(Rus)**

URINE

[Increase in DNAase activity in rat urine after intraperitoneal administration of DNAases] Khursin NE. **Vopr Med Khim** 1981 Mar–Apr;27(2):175–8 (Eng. Abstr.) **(Rus)**

DEOXYRIBONUCLEIC ACID see **DNA**

DEOXYRIBONUCLEOPROTEINS see under **NUCLEOPROTEINS**

DEOXYRIBONUCLEOSIDES

BLOOD

High–performance liquid chromatographic determination of purine and pyrimidine bases, ribonucleosides, deoxyribonucleosides and cyclic ribonucleotides in biological fluids. De Abreu RA, et al. **J Chromatogr** 1982 Apr 16;229(1):67–75

ISOLATION & PURIFICATION

Precipitation of nucleotides by calcium phosphate. Stenberg K, et al. **Biochim Biophys Acta** 1982 May 31;697(2):170–3

METABOLISM

The formation of benzo [a] pyrene – deoxyribonucleoside adducts in vivo and in vitro. Ashurst SW, et al. **Carcinogenesis** 1982;3(3):267–73

7, 12–dimethylbenz [a] anthracene–deoxyribonucleoside adduct formation in vivo: evidence for the formation and binding of a mono–hydroxymethyl–DMBA metabolite to rat liver DNA. Joyce NJ, et al. **Carcinogenesis** 1982; 3(3):297–301

Incorporation of deoxyribonucleosides into DNA of coryneform bacteria and the relevance of deoxyribonucleoside kinases. Auling G, et al. **Eur J Biochem** 1982 Jan;121(2):365–70

The formation and persistence of benzo(a)pyrene metabolite–deoxyribonucleoside adducts in rat skin in vivo. Ashurst SW, et al. **Int J Cancer** 1981 Sep 15;28(3):387–92

PHARMACODYNAMICS

Effects of deoxynucleosides on cultured human leukemia cell growth and deoxynucleotide pools. Ross DD, et al. **Cancer Res** 1981 Nov;41(11 Pt 1):4493–8

Induction of chromosome shattering and micronuclei by ultraviolet light and caffeine. I. Temporal relationship and antagonistic effects of the four deoxyribonucleosides. Cremer C, et al. **Environ Mutagen** 1980;2(3):335–51

DEOXYRIBONUCLEOTIDES

Interactions of a fragment of bleomycin with deoxyribodinucleotides: nuclear magnetic resonance studies. Lin SY, et al. **Biochemistry** 1981 Dec 22; 20(26):7589–98

Mutual interaction between adjacent dG . dC actinomycin binding sites and dA . dT netropsin binding sites on the self–complementary d(C–G–C–G–A–A–T–T–C–G–C–G) duplex in solution. Patel DJ, et al. **Proc Natl Acad Sci USA** 1981 Dec;78(12):7281–4

ANALYSIS

Separation of major and minor deoxyribonucleoside monophosphates by reverse–phase high–performance liquid

chromatography: a simple method applicable to quantitation of methylated nucleotides in DNA. Christman JK. **Anal Biochem** 1982 Jan 1;119(1):38–48

Relationship between ribo- and deoxyribonucleotide concentrations and biological parameters in cultured Chinese hamster ovary cells. Hunting D, et al. **Biochem Pharmacol** 1982 Mar 15;31(6):1109–15

Determination of deoxyribonucleoside triphosphates using DNA polymerase: a critical evaluation. Hunting D, et al. **Can J Biochem** 1981 Sep;59(9):723–7

Exonuclease II from Saccharomyces cerevisiae. An enzyme which liberates 5'-deoxyribomononucleotides from single-stranded DNA by a 5' goes to 3' mode of hydrolysis. Villadsen IS, et al. **J Biol Chem** 1982 Jul 25;257(14):8177–82

BIOSYNTHESIS

Deoxyribonucleotide synthesis and the emergence of DNA in molecular evolution. Follmann H. **Naturwissenschaften** 1982 Feb;69(2):75–81

GENETICS

The cloning of the Escherichia coli K-12 deoxyribonucleoside operon. Fischer M, et al. **Gene** 1982 Mar;17(3):291–8

METABOLISM

Tight-binding complexes of thymidylate synthetase, folate analogs and deoxyribonucleotides. Danenberg PV, et al. **Adv Enzyme Regul** 1982;20:99–110

Effect of acyclovir on the deoxyribonucleoside triphosphate pool levels in Vero cells infected with herpes simplex virus type 1. Furman PA, et al. **Am J Med** 1982 Jul 20; 73(1A):14–7

Specificity of the catalytic interaction of human DNA polymerase beta with nucleic acid substrates. Wang TS, et al. **Biochemistry** 1982 Mar 30;21(7):1597–608

Conversion of dNTP to dNMP dependent on DNA synthesis in isolated Yoshida sarcoma nuclei. Akiyoshi H. **Biochim Biophys Acta** 1982 Mar 29;696(3):332–9

The effect of ATP on the incorporation of deoxyribonucleoside triphosphates by Escherichia coli DNA polymerase I. Spasokukotskaja T, et al. **Biochim Biophys Acta** 1981 Dec 28;656(2):140–6

Regulation of ribonucleotide reduction by deoxyribonucleotides in intact Chinese hamster ovary cells. Hunting D, et al. **Can J Biochem** 1981 Oct;59(10):830–7

Effects of deoxynucleosides on cultured human leukemia cell growth and deoxynucleotide pools. Ross DD, et al. **Cancer Res** 1981 Nov;41(11 Pt 1):4493–8

Effects of azidocytidine on DNA synthesis and deoxynucleotide pools of mouse fibroblast cell lines. Akerblom L, et al. **J Biol Chem** 1982 Jun 25; 257(12):6776–82

Selective expansion of mitochondrial nucleoside triphosphate pools in antimetabolite-treated HeLa cells. Bestwick RK, et al. **J Biol Chem** 1982 Aug 25;257(16):9300–4

Unusual compartmentation of precursors for nuclear and mitochondrial DNA in mouse L cells. Bestwick RK, et al. **J Biol Chem** 1982 Aug 25;257(16):9305–8

Rapid hydrolysis of deoxynucleoside triphosphates accompanies DNA synthesis by T4 DNA polymerase and T4 accessory proteins 44/62 and 45. Roth AC, et al. **J Biol Chem** 1982 Feb 10;257(3):1267–73

Effect of deoxynucleoside phosphorothioates incorporated in DNA on cleavage by restriction enzymes. Vosberg HP, et al. **J Biol Chem** 1982 Jun 10;257(11):6595–9

The mutagenic effect of deoxynucleotide substrate imbalances during DNA synthesis with mammalian DNA polymerases. Kunkel TA, et al. **Mutat Res** 1982 Jun; 94(2):413–9

Are DNA precursors concentrated at replication sites? Mathews CK, et al. **Proc Natl Acad Sci USA** 1982 Jan; 79(2):302–6

DNA precursor pool: a significant target for N-methyl-N-nitrosourea in C3H/10T1/2 clone 8 cells. Topal MD, et al. **Proc Natl Acad Sci USA** 1982 Apr; 79(7):2211–5

Bromodeoxyuridine mutagenesis, ribonucleotide reductase activity, and deoxyribonucleotide pools in hydroxyurea-resistant mutants. Ashman CR, et al. **Somatic Cell Genet** 1981 Nov;7(6):751–68

PHARMACODYNAMICS

Reversion of bacteriophage T4rII mutants by high levels of pyrimidine deoxyribonucleosides. DeVries JK, et al. **MGG** 1982;186(1):101–5

DEOXYRIBOSE

ANALOGS & DERIVATIVES

Polynucleotide helix geometry and stability. Spectroscopic, antigenic and interferon-inducing properties of deoxyribose-, ribose-, or 2'-deoxy-2'-fluororibose-containing duplexes of poly(inosinic acid) . poly(cytidylic acid). Kakiuchi N, et al. **J Biol Chem** 1982 Feb 25;257(4):1924–8

RADIATION EFFECTS

Mutagenicity of gamma-irradiated oxygenated and deoxygenated solutions of 2-deoxy-D-ribose and D-ribose in Salmonella typhimurium. Wilmer J, et al. **Mutat Res** 1981 Dec;90(4):385–97

DEOXYTHYMIDINE KINASE see **THYMIDINE KINASE**

DEOXYURACIL NUCLEOTIDES

Tissue folylpolyglutamate chain-length characterization by electrophoresis as thymidylate synthetase-fluorodeoxyuridylate ternary complexes. Priest DG, et al. **Anal Biochem** 1981 Jul 15;115(1):163–9

(E)-5-(2-bromovinyl)-2'-deoxyuridine-5'-triphosphate as a DNA polymerase substrate. Sági J, et al. **Nucleic Acids Res** 1981 Dec 21;9(24):6985–94

ANALYSIS

Reversed-phase ion-pair high-performance liquid chromatographic assay of 5-fluorouracil, 5'-deoxy-5-fluorouridine, their nucleosides, mono-, di-, and triphosphate nucleotides with a mixture of quaternary ammonium ions. Au JL, et al. **J Chromatogr** 1982 Mar 12; 228:245–56

Use of periodate and methylamine for the quantitation of intracellular 5-fluoro-2'-deoxyuridine-5'-monophosphate by high-performance liquid chromatography. Dreyer R, et al. **J Chromatogr** 1981 Dec 4;219(2):273–84

METABOLISM

Relative affinity of 5,10-methylenetetrahydrofolylpolyglutamates for the Lactobacillus casei thymidylate synthetase-5-fluorodeoxyuridylate binary complex. Priest DG, et al. **Arch Biochem Biophys** 1981 Aug;210(1):118–23

Preferential utilization of bromodeoxyuridine and iododeoxyuridine triphosphates by DNA polymerase gamma in vitro. Schwartz SA. **Biosci Rep** 1981 May; 1(5):387–98

Utilization of 5-fluoro-2'-deoxyuridine triphosphate and 5-fluoro-2'-deoxycytidine triphosphate in DNA synthesis by DNA polymerases alpha and beta from calf thymus. Tanaka M, et al. **Cancer Res** 1981 Oct;41(10):4132–5

A new pathway expressed during a distinct stage of Drosophila development for the removal of dUMP residues in DNA. Deutsch WA, et al. **J Biol Chem** 1982 Apr 10; 257(7):3366–8

Synthesis of deoxythymidylate and the unusual deoxynucleotide in mature DNA of Bacillus subtilis bacteriophage SP10 occurs by postreplicational modification of 5-hydroxymethyldeoxyuridylate. Witmer H. **J Virol** 1981 Aug;39(2):536–47

Thymidylate synthetase - substrate complex formation. Danenberg PV, et al. **Mol Cell Biochem** 1982 Mar 5; 43(1):49–57

PHARMACODYNAMICS

Inhibition of thymidylate synthetase by 5-alkynyl-2'-deoxyuridylates. Barr PJ, et al. **J Med Chem** 1981 Dec;24(12):1385–8

Interaction of 5-ethynyl-2'-deoxyuridylate with thymidylate synthetase. Danenberg PV, et al. **J Med Chem** 1981 Dec; 24(12):1537–40

Inhibitory effects of 3'deoxycytidine 5'-triphosphate and 3'-deoxyuridine 5'-triphosphate on DNA-dependent RNA polymerases I and II purified from Dictyostelium discoideum cells. Saneyoshi M, et al. **Nucleic Acids Res** 1981 Jul 10;9(13):3129–38

The pharmacology of the fluoropyrimidines. Myers CE. **Pharmacol Rev** 1981 Mar;33(1):1–15 (125 ref.)

DEOXYURIDINE

ANALOGS & DERIVATIVES

Differential inhibition of herpes simplex viruses, type 1 (HSV-1) and type 2 (HSV-2), by (E)-5-(2-X-vinyl)-2'-deoxyuridines. de Clercq E, et al. **Acta Med Acad Sci Hung** 1981;38(3):307–12

Differential inhibition of herpes simplex viruses, type 1 (HSV-1) an type 2 (HSV-2), by (E)-5-(2-X-vinyl)-2'-deoxyuridines. de Clercq E, et al. **Acta Microbiol Acad Sci Hung** 1981;38(3):307–12

Antiherpes activity of [E]-5-(1-propenyl)-2'-deoxyuridine and 5-(1-propenyl)-1-beta-D-arabinofuranosyluracil. Stening G, et al. **Antiviral Res** 1981 Nov;1(4):213–23

Incorporation of E-5-(2-halovinyl)-2'-deoxyuridines into deoxyribonucleic acids of herpes simplex virus type 1-infected cells. Allaudeen HS, et al. **J Biol Chem** 1982 Jan 25;257(2):603–6

Selective antiviral agents. The metabolism of 5-propyl-2'-deoxyuridine and effects on DNA synthesis in herpes simplex virus type 1 infections. Ruth JL, et al. **J Biol Chem** 1982 Sep 10;257(17):10261–6

Differential affinities of 5-(2-halogenovinyl)-2'-deoxyuridines for deoxythymidine kinases of various origins. Cheng YC, et al. **Mol Pharmacol** 1981 Jul;20(1):230–3

The induction of specific-locus mutations and sister-chromatid exchanges by 5-bromo- and 5-chloro-deoxyuridine. Heartlein MW, et al. **Mutat Res** 1982 Feb 22;92(1-2):411–6

The synthesis and properties of some 5-substituted uracil derivatives. Walker RT, et al. **Nucleic Acids Symp Ser** 1981; (9):21–4

Optical activity and electronic absorption spectra of some simple nucleosides related to cytidine and uridine: all-valence-shell molecular orbital calculations. Miles DW, et al. **Proc Natl Acad Sci USA** 1981 Dec;78(12):7521–5

5-Methoxymethyldeoxyuridine-resistant mutants of herpes simplex virus type 1. Veerisetty V, et al. **Virology** 1981 Oct 30;114(2):576–9

BLOOD

Radioimmunoassays of plasma thymidine, uridine, deoxyuridine, and cytidine/deoxycytidine. Dudman NP, et al. **Anal Biochem** 1981 Aug;115(2):428–37

DIAGNOSTIC USE

Abnormal deoxyuridine suppression test in congenital methylmalonic aciduria-homocystinuria without megaloblastic anemia: divergent biochemical and morphological bone marrow manifestations of disordered cobalamin metabolism in man. Carmel R, et al. **Blood** 1982 Feb;59(2):306–11

METABOLISM

Localization and mechanism of thymidine transport in the central nervous system. Spector R, et al. **J Neurochem** 1982 Sep;39(3):837–41

Metabolism of deoxyuridine in rabbit brain. Suleiman SA, et al. **J Neurochem** 1982 Sep;39(3):824–30

Uracil in DNA in megaloblastic anemia [letter] Luzzatto L, et al. **N Engl J Med** 1981 Nov 5;305(19):1156–7

The effect of folate analogues on the thymidine utilization by human and rat marrow cells and the effect on the deoxyuridine suppression test. Deacon R, et al. **Postgrad Med J** 1981 Oct;57(672):611–6

DEOXYURIDINE PHOSPHATES see **DEOXYURACIL NUCLEOTIDES**

DEPARTMENT OF HEALTH AND HUMAN SERVICES (U.S.) see **UNITED STATES DEPT. OF HEALTH AND HUMAN SERVICES**

DEPENDENCY (PSYCHOLOGY) see under **PERSONALITY**

DEPENDENT PERSONALITY DISORDER see under **PERSONALITY DISORDERS**

DEPERSOLONE see under **PREDNISOLONE**

DEPERSONALIZATION see **DEPERSONALIZATION DISORDER**

DEPERSONALIZATION DISORDER

DIAGNOSIS

Depersonalization: (A phenomenological study in psychiatric patients). Parikh MD, et al. **J Postgrad Med** 1981 Oct; 27(4):226–30

ETIOLOGY

Marijuana-induced depersonalizaton [letter] Berkowitz HL. **Am J Psychiatry** 1981 Oct;138(10):1396

PSYCHOLOGY

Depersonalization syndrome: an overview. Torch EM. **Psychiatr Q** 1981 Winter;53(4):249–58

[Depersonalization and derealization experiences in children] Fast I, et al. **Psyche (Stuttg)** 1981 Aug;35(8):718–32 **(Ger)**

DEPILATION see **HAIR REMOVAL**

DEPOLARIZING MUSCLE RELAXANTS see **NEUROMUSCULAR DEPOLARIZING AGENTS**

DEPOT PREPARATIONS see **DELAYED-ACTION PREPARATIONS**

DEPRECIATION see under **ACCOUNTING**

DEPRENYL see under **PHENETHYLAMINES**

DEPRESSION

Depression and failure to resume social activities after stroke. Feibel JH, et al. **Arch Phys Med Rehabil** 1982 Jun; 63(6):276–7

Depression, common sense, and psychosocial evolution. Rippere V. **Br J Med Psychol** 1981 Dec;54(Pt 4):379–87

Depression hostility and anxiety in hyperprolactinemic amenorrhea. Fava GA, et al. **Psychother Psychosom** 1981; 36(2):122–8

Dysphoria in the elderly. Gillis LS, et al. **S Afr Med J** 1982 Sep 11;62(12):410–3

[Depression in childhood] Weitzman A, et al. **Harefuah** 1981 May 15;100(10):479–81 **(Heb)**

BLOOD

The effect of nitrazepam and other hypnotics on platelet 5-HT uptake [letter] Swade C, et al. **Br J Clin Pharmacol** 1981 Oct;12(4):588–90

alpha 2-Adrenergic receptors in depression [letter] Wood K, et al. **Lancet** 1982 May 15;1(8281):1121–2

ACTH levels after the dexamethasone suppression test in depression [letter] Fang VS, et al. **N Engl J Med** 1982 May 27;306(21):1296–7

The effect of amphetamine on plasma cortisol in patients with endogenous and non-endogenous depression. Feinberg M, et al. **Psychoneuroendocrinology** 1981 Dec;6(4):355–7

[Evaluation of the water-electrolyte balance (erythrocyte model) in the course of endogenous depression (author's transl)] Rybakowski J, et al. **Psychiatr Pol** 1981 May–Jun; 15(3):243–9 (Eng. Abstr.) **(Pol)**

CEREBROSPINAL FLUID

Studies of CSF 5-HIAA in depression and suicidal behaviour. Asberg M, et al. **Adv Exp Med Biol** 1981;133:739–52

CHEMICALLY INDUCED

Neuroleptics and depression [letter] Wistedt B. **Arch Gen Psychiatry** 1982 Jun;39(6):745

Oral contraceptives and depression: impact, prevalence and cause. Slap GB. **J Adolesc Health Care** 1981 Sep;2(1):53–64 (102 ref.)

Acute suicidal depression associated with use of timolol [letter] Nolan BT. **JAMA** 1982 Mar 19;247(11):1567

Neuropsychiatric side effects of cimetidine. Hails KC. **Penn Med** 1982 May;85(5):43–7

[Concerning psychological problems in the development of pharmacogenic depressions. Depressions during long-term treatment with hypotensive drugs (author's transl)] Krajňáková E, et al. **Bratisl Lek Listy** 1981 Mar;75(3):361–4 (Eng. Abstr.) **(Slo)**

CLASSIFICATION

Further validation of a questionnaire method for classifying depressive illness. Pilowsky I. **J Affective Disord** 1979 Sep; 1(3):179–85

Subtypes and laboratory measures of autonomous depression. Friedel RO. **J Clin Psychiatry** 1982 Aug;43(8 Pt 2):28–31

[Classification of childhood depression] Nissen G. **Acta Paedopsychiatr (Basel)** 1981 Feb;46(5–6):275–84 (Eng. Abstr.) **(Ger)**

[Nosologic and other dilemmas concerning depression (letter)] **Orv Hetil** 1982 Apr 11;123(15):945–9 **(Hun)**

[Depression as a general medical problem] Rutkowski R. **Pol Tyg Lek** 1981 Jul 27;36(30):1159–62 (42 ref.) **(Pol)**

COMPLICATIONS

Doctor's versus patient's judgement in the assessment of mixed anxiety/depressive illness. Implications for measurement of therapeutic response. Valle-Jones JC, et al. **Acta Psychiatr Scand** 1981 May;63(5):416–24

Life quality of patients with chronic obstructive pulmonary disease. McSweeny AJ, et al. **Arch Intern Med** 1982 Mar; 142(3):473–8

Physical symptoms of depression. Mathew RJ, et al. **Br J Psychiatry** 1981 Oct;139:293–6

Depression, cancer, and guilt--what is the connection? [editorial] Spiro HM. **J Clin Gastroenterol** 1979 Dec; 1(4):297–8

Early reserpine sensitivity and depression in schizophrenia [letter] Lewis H, et al. **J Clin Psychopharmacol** 1981 Nov; 1(6):409–10

The problem of fatigue in dialysis patients. Cardenas DD, et al. **Nephron** 1982;30(4):336–40

Depression, intellectual impairment, and Parkinson disease [letter] **Neurology (NY)** 1982 Apr;32(4):455

Depression in anorexia nervosa. Eckert ED, et al. **Psychol Med** 1982 Feb;12(1):115–22

Correlates of depression in chronic dialysis patients: morbidity and mortality. Numan IM, et al. **Res Nurs Health** 1981 Sep;4(3):295–7

The role of intelligence and depression in Indian and black duodenal ulcer patients in South Africa. Schlebusch L, et al. **S Afr Med J** 1981 Oct 17;60(16):613–4

[Fatigue and depression (author's transl)] Widlocher D. **Encephale** 1981;7(4 Suppl):347–51 (Eng. Abstr.) **(Fre)**

[Comparative dermatology: trichotillomania (author's transl)] Hartung J. **Z Hautkr** 1981 May 15;56(10):629–30 **(Ger)**

DIAGNOSIS

Rating scales to assess depression in school-aged children. Kovacs M. **Acta Paedopsychiatr (Basel)** 1981 Feb; 46(5–6):305–15

The phenomenology of adolescent depression. Carlson GA. **Adolesc Psychiatry** 1981;9:411–21

Depression in Africans revisited: a critical review of the literature. Jegede RO. **Afr J Med Med Sci** 1979 Sep–Dec; 8(3–4):125–32 (53 ref.)

Psychometric characteristics of Yoruba versions of Zung's self-rating depression scale and self-rating anxiety scale. Jegede RO. **Afr J Med Med Sci** 1979 Sep–Dec;8(3–4):133–7

Depressive equivalents in adults. Anstett RE, et al. **Am Fam Physician** 1982 Mar;25(3):151–6

The dexamethasone suppression test. Harris E. **Am J Nurs** 1982 May;82(5):784–5

Depressive symptoms and the diagnosis of affective disorder in a clinic population of low socioeconomic status. Wold PN, et al. **Am J Psychiatry** 1982 Jul;139(7):916–8

Understanding the transience or persistence of depression [editorial] Westermeyer J. **Am J Public Health** 1982 Sep; 72(9):982–3

The new psychiatry [letter] **Br Med J [Clin Res]** 1981 Oct 10;283(6297):990–1

Propranolol in psychiatric illness [letter] Shahid A. **Can Med Assoc J** 1982 Jul 15;127(2):111

The clinical presentation of depressive illness at Kenyatta National Hospital, Nairobi. Cawthron PA, et al. **East Afr Med J** 1981 Nov;58(11):843–7

Chronic depressions. Part 1. Clinical and familial characteristics in 137 probands. Akiskal HS, et al. **J Affective Disord** 1981 Sep;3(3):297–315

Primary non-endogenous depression and features attributed to reactive depression. Benjaminsen S. **J Affective Disord** 1981 Sep;3(3):245–59

Depressive symptoms in rape victims. Frank E, et al. **J Affective Disord** 1979 Dec;1(4):269–77

Factor patterns in depression. A replication study. Rassaby E, et al. **J Affective Disord** 1979 Sep;1(3):187–94

Depression in a family practice elderly population. Freedman N, et al. **J Am Geriatr Soc** 1982 Jun;30(6):372–7

Use of dexamethasone suppression test in clinical psychiatry. Kalin NH, et al. **J Clin Psychopharmacol** 1981 Mar; 1(2):64–9

How important is it to assess thyroid function in patients with depressive symptomatology? Shader RI. **J Clin Psychopharmacol** 1981 Sep;1(5):322

Grief reactions and depression in family practice: differential diagnosis and treatment. Stack JM. **J Fam Pract** 1982 Feb; 14(2):271–5

Craniofacial pain masquerading depression. Shulka GD. **J Indian Med Assoc** 1981 Dec 16;77(12):195–6

Recognition of anxiety and depression by residents in a general medicine clinic. Walker FB, et al. **J Med Educ** 1982 Mar;57(3):195–7

Sex differences in subclinical depression: administration of the Beck Depression Inventory in public and private disclosure situations. King DA, et al. **J Pers Soc Psychol** 1982 May;42(5):963–9

Depression following childbirth--a search for predictive signs. Playfair HR, et al. **J R Coll Gen Pract** 1981 Apr; 31(225):201–8

Depression and abnormal endocrinologic tests [letter] Steinberg JS. **JAMA** 1981 Nov 6;246(18):2032–3

A biological concept for diagnosis, treatment and therapy control of endogenous psychoses. Bergener M, et al. **Neurosurg Rev** 1980;3(4):251–6

Depression a la Haitian. A linguistic misinterpretation. Leonidas JR. **NY State J Med** 1982 Apr;82(5):754–5

Mental health issues in the elderly. Haryadi T. **Primary Care** 1982 Mar;9(1):143–59

The natural history of depression in general practice: stochastic models. Dunn G, et al. **Psychol Med** 1981 Nov; 11(4):755–64

The TRH test in the diagnosis of major and minor depression. Gold MS, et al. **Psychoneuroendocrinology** 1981;6(2):159–69

Depression in children: a significant disorder. Petti TA. **Psychosomatics** 1981 May;22(5):444–7

[The dilemma of depression (editorial)] **Orv Hetil** 1981 Oct 11;122(41):2527–9 **(Hun)**

[A particular form of depression: larvate psychogenetic depression] Campailla G. **Minerva Psichiatr** 1981 Jul–Sep; 22(3):119–21 (Eng. Abstr.) **(Ita)**

['Normal' sadness and depressive disease. Does 'reactive' depression exist?] Argenta G. **Recenti Prog Med** 1982 Mar; 72(3):261–70 **(Ita)**

[Masked depression (differential diagnosis and treatment)] Desiatnikov VF, et al. **Klin Med (Mosk)** 1980 Jul; 58(7):118–22 (Eng. Abstr.) **(Rus)**

[Depression, a public health problem] Calderón Narváez G. **Salud Publica Mex** 1981 Sep–Oct;23(5):503–8 (Eng. Abstr.) **(Spa)**

DRUG THERAPY

Drug treatment of depression in children. Pearce JB. **Acta Paedopsychiatr (Basel)** 1981 Feb;46(5–6):317–28

Fluvoxamine and clomipramine in depressed patients. A double-blind clinical study. Klok CJ, et al. **Acta Psychiatr Scand** 1981 Jul;64(1):1–11

Antidepressants and dopamine autoreceptors: implications for both a novel means of treating depression and understanding bipolar illness. Antelman SM, et al. **Adv Biochem Psychopharmacol** 1982;31:121–32

On the mode of action of mianserin. Leonard BE. **Adv Biochem Psychopharmacol** 1982;31:301–19 (73 ref.)

Trazodone--a new type of antidepressant: a discussion of pharmacological data and their clinical implications. Silvestrini B. **Adv Biochem Psychopharmacol** 1982; 31:327–40 (46 ref.)

Tryptophan in the treatment of depression. Young SN, et al. **Adv Exp Med Biol** 1981;133:727–37

A simplified method for the estimation of mianserin in plasma [letter] Lewis J, et al. **Br J Clin Pharmacol** 1981 Oct; 12(4):583–5

Monitoring of tricyclic antidepressant therapy. Dawling S. **Clin Biochem** 1982 Feb;15(1):56–61

Mianserin reduces plasma levels of beta-endorphin immunoreactivity in depressed patients. Drago F, et al. **Experientia** 1982 Jun 15;38(6):685–6

Relevance of tryptophan and tyrosine availability in endogenous and 'non-endogenous' depressives treated with imipramine or clomipramine. Møller SE, et al. **J Affective Disord** 1981 Sep;3(3):231–44

A double-blind comparison of dothiepin and amitriptyline in the treatment of depression with anxiety. Sharma SD. **J Assoc Physicians India** 1981 Sep;29(9):725–9

Microprocedure to determine the polymorphic forms of acid alpha 1-glycoprotein in plasma. Tinguely D, et al. **J Chromatogr** 1982 May 14;229(2):319–25

Doxepin effects on chronic pain, depression and plasma opioids. Hameroff SR, et al. **J Clin Psychiatry** 1982 Aug; 43(8 Pt 2):22–7

Cardiovascular effects of phenelzine and amitriptyline in depressed outpatients. Robinson DS, et al. **J Clin Psychiatry** 1982 May;43(5 Pt 2):8–15

Tricyclic antidepressants in the treatment of depression associated with alcoholism. Ciraulo DA, et al. **J Clin Psychopharmacol** 1981 May;1(3):146–50

EEG sleep and tricyclic blood levels: acute and chronic administration in depression. Kupfer DJ, et al. **J Clin Psychopharmacol** 1982 Feb;2(1):8–13

Amoxapine, an observation, and a perspective on MAOIs and their safety [editorial] Shader RI, et al. **J Clin Psychopharmacol** 1981 Sep;1(5):263

Doxepin plasma levels and therapeutic response in depression: preliminary findings. Ward NG, et al. **J Clin Psychopharmacol** 1982 Apr;2(2):126–8

Controlled trial of imipramine for chronic low back pain. Alcoff J, et al. **J Fam Pract** 1982 May;14(5):841–6

A controlled trial with diclofensine, a new psychoactive drug, in the treatment of depression. Cherpillod C, et al. **J Int Med Res** 1981;9(5):324–9

Experiences with L-tryptophan in a child and family psychiatric department. Hoyse SE. **J Int Med Res** 1982; 10(3):157–9

An evaluation of pyrisuccideanol maleate (Nadex) in the treatment of mild to moderate depression in patients aged 55 years and over, presenting in general practice. Murphy JE. **J Int Med Res** 1981;9(5):330–7

A double-blind study of trazodone and mianserin in the treatment of depression in general practice. Richards HH, et al. **J Int Med Res** 1982;10(3):147–56

Is oestrogen therapy effective in the treatment of menopausal depression? Coope J. **J R Coll Gen Pract** 1981 Mar; 31(224):134–40

Multicentre depression [editorial] **Lancet** 1981 Sep 12; 2(8246):563–4

Alpha 2 adrenergic receptors in depression [editorial] **Lancet** 1982 Apr 3;1(8275):781

Multicentre depression [letter] Glen I, et al. **Lancet** 1981 Nov 7;2(8254):1043–4

Paranoid symptoms after nomifensine [letter] Katona C. **Lancet** 1982 Aug 14;2(8294):384–5

beta-Endorphin studies in psychiatric patients. Gorelick DA, et al. **Mod Probl Pharmacopsychiatry** 1981;17:236–45

Amitriptyline suppositories [letter] Adams S. **N Engl J Med** 1982 Apr 22;306(16):996

The antidepressant action of flupenthixol. Robertson MM, et al. **Practitioner** 1981 May;225(1355):761–3

Validity and sensitivity of the french version of the Zerssen BfS/BfS' self-rating mood scale during treatment with trazodone and amitriptyline. Bobon DP, et al. **Prog Neuropsychopharmacol** 1981;5(5–6):519–22

Absence of orthostatic hypotension in depressed patients treated with bupropion. Chouinard G, et al. **Prog Neuropsychopharmacol** 1981;5(5–6):483–90

Reversal of learned helplessness by nortriptyline. Telner JI, et al. **Prog Neuropsychopharmacol** 1981;5(5–6):587–90

On the clinical response/serum level relationship for antidepressants II: Lofepramine and imipramine. Dutt JE. **Psychopharmacol Bull** 1982 Apr;18(2):17–27

Mianserin and clomipramine in the treatment of depression. Levin A. **S Afr Med J** 1982 May 8;61(19):701–4

Amoxapine in the treatment of depression. A clinical evaluation in ambulant patients. van Wyk EM, et al. **S Afr Med J** 1982 Jun 12;61(24):908–11

[Therapy of anorexia nervosa aimed at depressive manifestations] Kadlecová B. **Cesk Pediatr** 1981 Nov; 36(11):666–7 **(Cze)**

[Amineptine and depressive symptoms, cardiovascular and ophthalmological acceptabilities (author's transl)] Kammerer T, et al. **Encephale** 1981;7(5):631–44 (Eng. Abstr.) **(Fre)**

[Depressive syndrome. Therapy with antidepressive agents] Faust V, et al. **Fortschr Med** 1982 Feb 25;100(8):310–6 contd **(Ger)**

[Depression - somatization - suicide. Part 3: Principles of somatologic and psychotherapeutic treatment in ambulatory care. Guided use of psychopharmaceuticals] Hertrich O. **Fortschr Med** 1981 Sep 24;99(36):1428–33 **(Ger)**

[Treatment of depressive disorders within the framework of a sanatorium] Gründler H. **Med Welt** 1982 Oct 2; 32(40):1488–90 **(Ger)**

[Ambulatory therapy of depression with equilibrin] Nadjafi A. **Med Welt** 1982 Oct 2;32(40):1487–500 **(Ger)**

[Comparison of the antidepressant effects of trazodon and imipramine (author's transl)] Vencovský E. **Psychiatr Pol** 1981 May–Jun;15(3):257–9 (Eng. Abstr.) **(Pol)**

ENZYMOLOGY

Altered kinetics of membrane ATPase in mental illness. Sengupta N, et al. **Biochem Med** 1981 Dec;26(3):277–85

ETIOLOGY

Psychopharmacotherapy of anxiety in the first years of life. Cocchi R. **Agressologie** 1981 Nov;22(D):5–8 (35 ref.)
Childhood depression and diet [letter] Crook WG. **Am J Dis Child** 1982 Jul;136(7):652
Depression, danger, dependency, denial: work with poor, black, single parents. Wortman RA. **Am J Orthopsychiatry** 1981 Oct;51(4):662–71
The expression and possible origins of depression in male adolescent delinquents. Howard J. **Aust NZ J Psychiatry** 1981 Dec;15(4):311–8
Depression after childbirth [letter] **Br Med J [Clin Res]** 1982 May 1;284(6325):1331–2
Coping with rheumatoid arthritis [editorial] Little H. **Can Med Assoc J** 1982 Aug 1;127(3):190–1
Relationship between headaches and depression. Cox D, et al. **Headache** 1981 Nov;21(6):261–3
Amenorrhea, depression and hypercortisolism. Thorner MO. **Hosp Pract** 1982 Sep;17(9):158–9
Nonpsychiatric disorders associated with depression. Katerndahl DA. **J Fam Pract** 1981 Oct;13(5):619–24
Pretreatment depression in end-stage renal disease [letter] Hong BA, et al. **Lancet** 1982 Jan 9;1(8263):104–5
Depression, anhedonia and anxiety in temporomandibular joint and other facial pain syndromes. Marbach JJ, et al. **Pain** 1981 Aug;11(1):73–84
Depression in spinal cord injured patients. Howell T, et al. **Paraplegia** 1981;19(5):284–8
Psychosocial stress factors and the prevention of depressive illness in the elderly. Coetzee D. **S Afr Med J** 1981 Sep 19;60(12):466–71
Anergia and depression as early features of multiple sclerosis [letter] Sandyk R. **S Afr Med J** 1982 May 15;61(20):732
[Organic illness and depressions (author's transl)] Bertagna L. **Encephale** 1981;7(4 Suppl):551–6 (Eng. Abstr.) **(Fre)**
[Organic illness and depression (author's transl)] Lemperiere T, et al. **Encephale** 1981;7(4 Suppl):543–50 (16 ref.) (Eng. Abstr.) **(Fre)**
[Parkinson disease and depression (author's transl)] Mignot B, et al. **Sem Hop Paris** 1982 Apr 8;58(14):859–61 (Eng. Abstr.) **(Fre)**
[Depression and old age] Rudolf GA. **Fortschr Med** 1982 Feb 25;100(8):318–21 **(Ger)**
[Depressive states during the clinical treatment of 280 schizophrenic inpatients (author's transl)] Möller HJ, et al. **Pharmacopsychiatria** 1981 Sep;14(5):172–9 (Eng. Abstr.) **(Ger)**
[Psychological–psychiatric problems of mid-life (author's transl)] Haenel T. **Praxis** 1981 Sep 8;70(37):1594–600 (Eng. Abstr.) **(Ger)**
[Psychic reactions of adolescent girls after legal abortion (author's transl)] Merz M. **Ther Umsch** 1982 Jun;39(6):490–1 (Eng. Abstr.) **(Ger)**
[Case of moyamoya disease complicated by depression] Leksowski W, et al. **Neurol Neurochir Pol** 1981 May–Jun; 15(3):349–51 (Eng. Abstr.) **(Pol)**
[Depressive syndrome in porphyria] Baruch L, et al. **Przegl Dermatol** 1981 Jul–Aug;68(4):503–4 **(Pol)**
[Multifactorial etiology and evolution of chronic depression] Ortega Millán A, et al. **Actas Luso Esp Neurol Psiquiatr** 1981 May–Jun;9(3):183–8 (Eng. Abstr.) **(Spa)**
[Is there a relation between depression and hypertension?] Huapaya LV, et al. **Rev Neuropsiquiatr** 1980 Jun; 43(2):97–105 (Eng. Abstr.) **(Spa)**

FAMILIAL & GENETIC

A comparative study of quantitative dermatoglyphics in depressive neurosis and manic–depressive psychosis. Balgir RS. **Acta Anthropogenet** 1980;4(3–4):195–9
Is there a gene for depression? [news] Maugh TH 2d. **Science** 1981 Dec 18;214(4527):1330–1

IMMUNOLOGY

A study of antibody levels in alcoholic, depressive and schizophrenic patients. Sugerman AA, et al. **Ann Allergy** 1982 Mar;48(3):166–71

METABOLISM

Serotoninergic innervation and glucocorticoid binding in the hippocampus: relevance to depression. Angelucci L, et al. **Adv Biochem Psychopharmacol** 1982;31:365–70
High-affinity binding of 3H-imipramine in brain and platelets: relevance to depression and antidepressant drugs. Langer SZ, et al. **Adv Biochem Psychopharmacol** 1982; 31:171–7 (28 ref.)
Localisation studies on the interactions between neuropeptides and neurotransmitters involved in depression. Priestley JV, et al. **Adv Biochem Psychopharmacol** 1982;31:157–69 (43 ref.)
Serotonin metabolism of animal model of depression. Takahashi R, et al. **Adv Exp Med Biol** 1981;133:603–25
Neuropharmacology of depression, anxiety, and pain. King RB. **Clin Neurosurg** 1981;28:116–36 (78 ref.)
Central alpha 2-adrenoceptor function in depression [letter] Checkley SA, et al. **Lancet** 1982 Jun 12;1(8285):1359
[Biochemistry of depression. Comments and correction (letter)] Banki C. **Orv Hetil** 1982 Jan 17;123(3):187 **(Hun)**
[Biochemical implications of depression] Lipcsey A. **Orv Hetil** 1981 Aug 30;122(35):2135–9 **(Hun)**
[Hormone changes and biological rhythms in depression] Ljunggren JG, et al. **Lakartidningen** 1982 Mar 24; 79(12):1105–8 **(Swe)**

OCCURRENCE

Childhood depression: the outcome. Poznanski E. **Acta Paedopsychiatr (Basel)** 1981 Feb;46(5–6):297–304
Rates of symptoms of depression in a national sample. Eaton WW, et al. **Am J Epidemiol** 1981 Oct;114(4):528–38
The persistence of depressive symptomatology among prepaid group practice enrollees: an exploratory study. Hankin JR, et al. **Am J Public Health** 1982 Sep;72(9):1000–7
Depression among women in medicine. Rothblum ED. **Conn Med** 1981 Aug;45(8):501–3
Post-treatment depressive symptoms and relapse to drug use in different age groups of an alcohol and other drug abuse population. Hatsukami D, et al. **Drug Alcohol Depend** 1981 Dec;8(4):271–7
Depression and physical illness. Magni G, et al. **Psychother Psychosom** 1981;36(2):129–31

PHYSIOPATHOLOGY

Gait patterns of depressed patients and normal subjects. Sloman L, et al. **Am J Psychiatry** 1982 Jan;139(1):94–7
Postsynaptic action by four antidepressive drugs in an animal model of depression. Nagayama H, et al. **Pharmacol Biochem Behav** 1981 Jul;15(1):125–30
GABAergic modulation of learned helplessness. Petty F, et al. **Pharmacol Biochem Behav** 1981 Oct;15(4):567–70
The possible roles of prostaglandin E1 and of essential fatty acids in mania, depression and alcoholism. Horrobin DF. **Prog Lipid Res** 1981;20:539–41
Psycho–endocrine differences and correlations in symptomatic and asymptomatic climacteric women – the possible role of prolactin. Sonnendecker EW, et al. **S Afr Med J** 1981 Oct 24;60(17):661–5
[The relationship between pre–operative emotional states and stress–linked parameters in surgical patients (author's transl)] Tolksdorf W, et al. **Anasth Intensivther Notfallmed** 1982 Feb;17(1):21–8 (Eng. Abstr.) **(Ger)**
[EEG records in sleep in patients with endogenous depression (author's transl)] Ekiert H, et al. **Psychiatr Pol** 1981 May–Jun;15(3):261–9 (Eng. Abstr.) **(Pol)**

PREVENTION & CONTROL

The health visitor and prevention [letter] Snaith RP. **Br Med J [Clin Res]** 1982 Aug 14;285(6340):512

PSYCHOLOGY

Psychological risk factors over the life course of myocardial infarction patients. Falger P, et al. **Adv Cardiol** 1982; 29:132–9
Depression and somatization. a review. Part II. Katon W, et al. **Am J Med** 1982 Feb;72(2):241–7 (42 ref.)
The effect of level of depression on the use of visual analogue scales by normal volunteers. Peet M, et al. **Br J Clin Pharmacol** 1981 Aug;12(2):171–8
Parental representations and affective symptoms: examination for an hereditary link. Parker G. **Br J Med Psychol** 1982 Mar;55(Pt 1):57–61
Experimental investigations of the relations between mood and intrusive unwanted cognitions. Sutherland G, et al. **Br J Med Psychol** 1982 Jun;55(Pt 2):127–38
Depression, hopelessness, and suicidal intent among heroin addicts. Emery GD, et al. **Int J Addict** 1981 Apr; 16(3):425–9
The relationship between expressed and experienced emotion in depression. Brown SL. **Int J Psychiatry Med** 1982; 12(1):29–41
Social class and depressive symptomatology. Ayuso-Gutiérrez JA, et al. **Int J Soc Psychiatry** 1981 Winter;27(4):297–9
Cognitive correlates of teacher stress and depressive symptoms: implication for attributional models of depression. Hammen C, et al. **J Abnorm Psychol** 1982 Apr; 91(2):96–101
Facial muscle patterning lateralization during elation and depression imagery. Sirota AD, et al. **J Abnorm Psychol** 1982 Feb;91(1):25–34
Depression and self-actualization of gifted adolescents. Berndt DJ, et al. **J Clin Psychol** 1982 Jan;38(1):142–50
Victims of rape: repeated assessment of depressive symptoms. Atkeson BM, et al. **J Consult Clin Psychol** 1982 Feb; 50(1):96–102
The Velten mood induction procedure: effects on mood and memory. Riskind JH, et al. **J Consult Clin Psychol** 1982 Feb;50(1):146–7
Driving ability of depressive patients under antidepressants. Hobi V, et al. **J Int Med Res** 1982;10(2):65–81
Depressed and nondepressed content self-reference in mild depressives. Kuiper NA, et al. **J Pers** 1982 Mar;50(1):67–80
Learned helplessness, depression, and the illusion of control. Alloy LB, et al. **J Pers Soc Psychol** 1982 Jun;42(6):1114–26
Effect of depressed mood in eating among obese and nonobese dieting and nondieting persons. Baucom DH, et al. **J Pers Soc Psychol** 1981 Sep;41(3):577–85
Self-blame and depressive symptoms. Peterson C, et al. **J Pers Soc Psychol** 1981 Aug;41(2):253–9
Patient behavior in hospitals: helplessness, reactance, or both? Raps CS, et al. **J Pers Soc Psychol** 1982 Jun;42(6):1036–41
Pleasant events, unpleasant events, and depression. Sweeney PD, et al. **J Pers Soc Psychol** 1982 Jul;43(1):136–44
Perceptions of anxiety, hostility and depression in subjects exhibiting the coronary-prone behavior pattern. Francis KT. **J Psychiatr Res** 1981;16(3):183–90
A comparison of depression among employed single-parent and married women. Keith PM, et al. **J Psychol** 1982 Mar; 110(Second half):239–47
The development of the mood–inhibiting effects of crowding during adolescence. Prerost FJ. **J Psychol** 1982 Mar; 110(Second half):197–202
Adolescent depression: a review of the literature, with implications for nursing care. Mellencamp A. **J Psychosoc Nurs Ment Health Serv** 1981 Sep;19(9):15–20
Self-perceived variables of holiday depression at christmastime of single men and women. Peretti PO. **Panminerva Med** 1981 Apr–Jun;23(2):115–8
Specificity of the learned helplessness model of depression. Sherman AD, et al. **Pharmacol Biochem Behav** 1982 Mar; 16(3):449–54
The effect of pilgrimage on anxiety, depression and religious attitude. Morris PA. **Psychol Med** 1982 May;12(2):291–4
Choice of immediate versus delayed reinforcement and depression. O'Hara MW, et al. **Psychol Rep** 1982 Jun;50(3 Pt 1):925–6
Models of cognitive impairment: cognitive changes in depression. Weingartner H, et al. **Psychopharmacol Bull** 1982 Apr;18(2):27–42
[The depressive process. Critical analysis of the models of Beck and Lewinsohn (author's transl)] Fontaine O, et al. **Acta Psychiatr Belg** 1981 May–Jun;81(3):226–44 (Eng. Abstr.) **(Fre)**
[Society and depression] Sivadon P. **Arch Belg Med Soc** 1981 Feb;39(2):76–86 **(Fre)**
[Psychopathology of depression (author's transl)] Olie JP, et al. **Sem Hop Paris** 1981 Apr 18–25;57(15–16):775–9 (Eng. Abstr.) **(Fre)**
[Anorexia nervosa: protest and depression (author's transl)] Porot D. **Sem Hop Paris** 1981 Nov 18–25; 57(43–44):1837–40 (Eng. Abstr.) **(Fre)**
[Psychopathology of development during the formative years: case report] Mayer R, et al. **Acta Paedopsychiatr (Basel)** 1981 Oct;47(3):167–76 (Eng. Abstr.) **(Ger)**

THERAPY

Treating depression in schizophrenic patients. Seeman MV, et al. **Am J Psychother** 1982 Jan;36(1):14–22
How I manage depression. Hill C. **Aust Fam Physician** 1981 Aug;10(8):600–1
Practical therapeutics—management of depression in general practice. Dhadphale M. **East Afr Med J** 1981 Oct; 58(10):715–9
Can a reminiscing intervention alter depression and self-esteem? Perrotta P, et al. **Int J Aging Hum Dev** 1981–82;14(1):23–30
Differential effects of cognitive therapy and pharmacotherapy on depressive symptoms. Rush AJ, et al. **J Affective Disord** 1981 Sep;3(3):221–9
What can be done for depression following acute schizophreniform psychosis? [letter] Shader RI. **J Clin Psychopharmacol** 1981 Mar;1(2):97
Group psychotherapy for depressed women: a model. van Servellen GM, et al. **J Psychosoc Nurs Ment Health Serv** 1981 Aug;19(8):25–31
Women treating women for depression. van Servellen GM. **J Psychosoc Nurs Ment Health Serv** 1981 Aug;19(8):22–4
Electroconvulsive therapy and the brain: evidence for increased dopamine-mediated responses. Costain DW, et al. **Lancet** 1982 Aug 21;2(8295):400–4
Electrotherapy and 'placebo' electrotherapy. A review. Mendelson G. **Med J Aust** 1981 Aug 8;2(3):125–6, 128
[Sleep deprivation treatment in Denmark] Christensen PH, et al. **Ugeskr Laeger** 1981 Jun 29;143(27):1727–9 (Eng. Abstr.) **(Dan)**
[The correlation of treatment effects with the presence and content of delusions in patients with endogenous depression (author's transl)] Grzywa A. **Psychiatr Pol** 1981 May–Jun; 15(3):271–7 (Eng. Abstr.) **(Pol)**

DEPRESSION, BIPOLAR see **BIPOLAR DISORDER**

DEPRESSION, ENDOGENOUS see **DEPRESSIVE DISORDER**

DEPRESSION, INVOLUTIONAL

CLASSIFICATION

The 'myth' of involutional melancholia. Rinieris P. **Neuropsychobiology** 1982;8(3):140–3 (22 ref.)

DIAGNOSIS

[Introduction to the clinical problems of psychological disorders in involution (author's transl)] Vencovský E.

Cesk Psychiatr 1981;77(4):232–6 (Eng. Abstr.) **(Cze)**
[An attempt to objectify depression in involution (author's transl)] Medvecký J, et al. **Cesk Psychiatr** 1981;77(4):241–4 (Eng. Abstr.) **(Slo)**

DRUG THERAPY

A trial of dextroamphetamine in patients with involutional agitated depression. Ward NG, et al. **J Clin Psychiatry** 1982 Jan;43(1):35–6
[Influence of the seasons on the course and therapeutic results of depressive phases of maniomelancholy (author's transl)] Sedivec V. **Cesk Psychiatr** 1981 Oct;77(5):326–30 (Eng. Abstr.) **(Cze)**
[Introduction to the clinical problems of psychological disorders in involution (author's transl)] Vencovský E. **Cesk Psychiatr** 1981;77(4):232–6 (Eng. Abstr.) **(Cze)**
[Treatment of involutional depression with maprotiline] Molčan J, et al. **Act Nerv Super (Praha)** 1982 May; 24(2):77–80 **(Ger)**

PHYSIOPATHOLOGY

Synchrony of subjective and psychophysiological responses in involutional depression. Rabavilas AD, et al. **Neuropsychobiology** 1982;8(3):156–61

DEPRESSION, NEUROTIC see **DEPRESSIVE DISORDER**

DEPRESSION, REACTIVE see **ADJUSTMENT DISORDERS**

DEPRESSION, REACTIVE, PSYCHOTIC see **AFFECTIVE DISORDERS, PSYCHOTIC**

DEPRESSIVE DISORDER

[European multidisciplinary meeting on depression. Monte Carlo, 5–6 December 1980] **Encephale** 1981;7(4 Suppl):307–569 **(Fre)**
[Clinical trial with oxytryptan in depressions] Ruiz Ruiz M, et al. **Actas Luso Esp Neurol Psiquiatr** 1981 Jul–Aug; 9(4):325–30 **(Spa)**

BLOOD

Menopause, depression, and plasma opioids. Genazzani AR, et al. **Adv Biochem Psychopharmacol** 1982;32:341–5
Dehydroepiandrosterone and affective disorders [letter] Hansen CR Jr, et al. **Am J Psychiatry** 1982 Mar; 139(3):386–7
ECT and diabetes mellitus [letter] Jenike MA. **Am J Psychiatry** 1982 Jan;139(1):136
Lorazepam and desipramine serum concentration [letter] Rosenblatt JE. **Am J Psychiatry** 1982 Apr;139(4):536–7
The dexamethasone suppression test and response to methylphenidate in depression. Sternbach H, et al. **Am J Psychiatry** 1981 Dec;138(12):1629–31
Neuroendocrine interrelationships in major depressive disorder. Targum SD, et al. **Am J Psychiatry** 1982 Mar; 139(3):282–6
Steady-state plasma imipramine levels in prepubertal depressed children. Weller EB, et al. **Am J Psychiatry** 1982 Apr;139(4):506–8
The peripheral kinetics of norepinephrine in depressive illness. Esler M, et al. **Arch Gen Psychiatry** 1982 Mar; 39(3):295–300
Platelet alpha 2-adrenergic receptors in major depressive disorder. Binding of tritiated clonidine before and after tricyclic antidepressant drug treatment. Garcia-Sevilla JA, et al. **Arch Gen Psychiatry** 1981 Dec;38(12):1327–33
Levels of total and free tryptophan in the plasma of endogenous and neurotic depressives. Schmid-Burgk W, et al. **Arch Psychiatr Nervenkr** 1981;231(1):35–9
Prepubertal endogenous major depressives hyposecrete growth hormone in response to insulin-induced hypoglycemia. Puig-Antich J, et al. **Biol Psychiatry** 1981 Sep;16(9):801–18
Platelet serotonin uptake in depressed patients: circadian effect. Rausch JL, et al. **Biol Psychiatry** 1982 Jan; 17(1):121–3
Blood platelets and psychiatry. Campbell IC. **Br J Psychiatry** 1981 Jan;138:78–80
Growth hormone and other responses to clonidine in patients with endogenous depression. Checkley SA, et al. **Br J Psychiatry** 1981 Jan;138:51–5
Effect of ECT on the neuroendocrine response to apomorphine in severely depressed patients. Christie JE, et al. **Br J Psychiatry** 1982 Mar;140:268–73
Differing noradrenaline kinetics in essential hypertension and depressive illness, two diseases in which the plasma concentration of noradrenaline is sometimes elevated. Esler M, et al. **Clin Exp Pharmacol Physiol** 1981 Sep–Oct; 8(5):525–30
A rapid and sensitive radioreceptor assay for tertiary amine tricyclic antidepressants. Paul SM, et al. **Commun Psychopharmacol** 1980;4(6):487–94
Alterations in noradrenergic function during clorgyline treatment. Pickar D, et al. **Commun Psychopharmacol** 1980; 4(5):379–86
Neuroendocrine abnormalities in affective disorders. Extein I, et al. **Encephale** 1982;8(2):203–11
The contribution of pharmacokinetics to the best use of benzodiazepines and antidepressants. Gram LF. **Encephale** 1982;8(2):291–8
Plasma protein binding of perazine and amitriptyline in psychiatric patients. Brinkschulte M, et al. **Eur J Clin Pharmacol** 1982;22(4):367–73
Relationship between the plasma concentration of clomipramine and desmethylclomipramine in depressive patients and the clinical response. Vandel B, et al. **Eur J Clin Pharmacol** 1982;22(1):15–20
Gonadotropin release after administration of GnRH in depressed patients and healthy volunteers. Amsterdam JD, et al. **J Affective Disord** 1981 Dec;3(4):367–80
Plasma GABA in affective illness. A preliminary investigation. Petty F, et al. **J Affective Disord** 1981 Dec; 3(4):339–43
Plasma concentrations of tricyclic antidepressants in clinical practice. Hollister LE. **J Clin Psychiatry** 1982 Feb; 43(2):66–9
The usefulness of desipramine blood level monitoring: a case report. McClure SP, et al. **J Clin Psychopharmacol** 1982 Feb;2(1):51–3
Diminished hypercapnic drive in endogenous or severe depression. Damas-Mora J, et al. **J Psychosom Res** 1982; 26(2):237–45
Plasma ACTH and cortisol levels in depressed patients: relation to dexamethasone suppression test. Fang VS, et al. **Life Sci** 1981 Aug 31;29(9):931–8
Defective serotonin transport mechanism in platelets from endogenously depressed patients. Malmgren R, et al. **Life Sci** 1981 Dec 21;29(25):2649–58
ACTH levels after the dexamethasone suppression test in depression [letter] Reus VI, et al. **N Engl J Med** 1982 Jan 28;306(4):238–9
Tricyclic antidepressant plasma levels: the state of the art and clinical prospects. Razavi D, et al. **Neuropsychobiology** 1982 Mar-Apr;8(2):73–85
Endocrine responses to thyrotropin-releasing hormone in major depressive disorders. Asnis GM, et al. **Psychiatry Res** 1981 Oct;5(2):205–15
Plasma MHPG in depression: effects of acute and chronic desipramine treatment. Charney DS, et al. **Psychiatry Res** 1981 Oct;5(2):217–29
Circadian variation of serum thyrotropin in endogenous depression. Kijne B, et al. **Psychiatry Res** 1982 Jun; 6(3):277–82
High reverse T3 levels in manic an unipolar depressed women. Linnoila M, et al. **Psychiatry Res** 1982 Jun; 6(3):271–6
Evaluation of the relative potency of individual competing amino acids to tryptophan transport in endogenously depressed patients. Møller SE. **Psychiatry Res** 1980 Oct; 3(2):141–50
Compensatory pituitary-thyroid mechanisms in major depressive disorder. Targum SD, et al. **Psychiatry Res** 1982 Feb;6(1):85–96
Parallel changes of the responses of thyrotropin, growth hormone and prolactin to thyrotropin-releasing hormone in endogenous depression. Kirkegaard C, et al. **Psychoneuroendocrinology** 1981;6(3):253–9
The thyrotropin response to thyrotropin-releasing hormone in endogenous depression. Kirkegaard C. **Psychoneuroendocrinology** 1981;6(3):189–212
Electroconvulsive therapy (ECT) increases plasma growth hormone, prolactin, luteinising hormone and follicle-stimulating hormone but not thyrotropin or substance P. Skrabanek P, et al. **Psychoneuroendocrinology** 1981;6(3):261–7
Subsensitivity of human beta-adrenergic adenylate cyclase after salbutamol treatment of depression. Lerer B, et al. **Psychopharmacology (Berlin)** 1981;75(2):169–72
Tryptophan tolerance and metabolism in endogenous depression. Møller SE, et al. **Psychopharmacology (Berlin)** 1982;76(1):79–83
High-affinity 3H-imipramine binding in platelets from untreated and treated depressed patients compared to healthy volunteers. Raisman R, et al. **Psychopharmacology (Berlin)** 1981;75(4):368–71
Endocrine disturbances in anorexia nervosa and depression. Walsh BT. **Psychosom Med** 1982 Mar;44(1):85–91
[3H-Imipramine binding to human platelets. A peripheral index in depressive syndromes (author's transl)] Zarifian E, et al. **Nouv Presse Med** 1982 Apr 17;11(18):1385–7 (Eng. Abstr.) **(Fre)**
[Blood cortisol and puerperal depression] Balbi C, et al. **Arch Ostet Ginecol** 1980 May-Jun;85(3):199–202 **(Ita)**
[Summary insulin-like activity of the blood serum in breast cancer and in specific age-related pathology] Kovaleva IG, et al. **Vopr Onkol** 1982;28(7):6–10 (Eng. Abstr.) **(Rus)**

CEREBROSPINAL FLUID

CSF monoamine metabolites during treatment with mianserin or amitryptyline. Mendlewicz J, et al. **Adv Biochem Psychopharmacol** 1982;32:249–56
Symptom patterns in unipolar and bipolar depression correlating with monoamine metabolites in the cerebrospinal fluid: I. General patterns. Agren H. **Psychiatry Res** 1980 Oct;3(2):211–23
Symptom patterns in unipolar and bipolar depression correlating with monoamine metabolites in the cerebrospinal fluid: II. Suicide. Agren H. **Psychiatry Res** 1980 Oct;3(2):225–36
Gradients of monoamine metabolites and cortisol in cerebrospinal fluid of psychiatric patients and healthy controls. Bertilsson L, et al. **Psychiatry Res** 1982 Feb; 6(1):77–83

CHEMICALLY INDUCED

Substitution of atenolol for propranolol in a case of propranolol-related depression. McNeil GN, et al. **Am J Psychiatry** 1982 Sep;139(9):1187–8
Propranolol and depression. Petrie WM, et al. **Am J Psychiatry** 1982 Jan;139(1):92–4
Development and prediction of postpsychotic depression in neuroleptic-treated schizophrenics. Mandel MR, et al. **Arch Gen Psychiatry** 1982 Feb;39(2):197–203
Depression associated with cimetidine. Billings RF, et al. **Can J Psychiatry** 1981 Jun;26(4):260–1
Secondary depression in alcoholism: implications for future research. Petty F, et al. **Compr Psychiatry** 1981 Nov–Dec; 22(6):587–95
Psychopharmacological correlates of post-psychotic depression: a double-blind investigation of haloperidol vs thiothixene in outpatient schizophrenia. Abuzzahab FS Sr, et al. **J Clin Psychiatry** 1981 Mar;43(3):105–10
Depressive episodes following alcohol intoxication. Garvey MJ, et al. **Psychosomatics** 1982 May;23(5):538–9
Depressive states occurring during the neuroleptic treatment of schizophrenia. Möller HJ, et al. **Schizophr Bull** 1982; 8(1):109–17

CLASSIFICATION

The classification of depression: traditional versus mathematical approaches. Andreasen NC, et al. **Am J Psychiatry** 1982 Jan;139(1):45–52
DSM-III melancholia and the primary-secondary distinction: a comparison of concurrent validity by means of the dexamethasone suppression test. Coryell W, et al. **Am J Psychiatry** 1982 Jan;139(1):120–2
Toward a biochemical classification of depressive disorders, VI: Platelet MAO activity and clinical symptoms in depressed patients. Gudeman JE, et al. **Am J Psychiatry** 1982 May;139(5):630–3
Toward a biochemical classification of depressive disorders, V: Heterogeneity of unipolar depressions. Schatzberg AF, et al. **Am J Psychiatry** 1982 Apr;139(4):471–5
Atypical depression. Davidson JR, et al. **Arch Gen Psychiatry** 1982 May;39(5):527–34
Atypicality in primary depressive illness: a preliminary survey. Silberman EK, et al. **Biol Psychiatry** 1982 Mar; 17(3):285–304
Bimodality and the nature of depression. Everitt BS. **Br J Psychiatry** 1981 Apr;138:336–9
Separation of subtypes of depression using discriminant analysis. I. Separation of unipolar endogenous depression from non-endogenous depression. Feinberg M, et al. **Br J Psychiatry** 1982 Apr;140:384–91
Toward a biochemical classification of depressive disorders IV: Pretreatment urinary MHPG levels as predictors of antidepressant response to imipramine. Schatzberg AF, et al. **Commun Psychopharmacol** 1980;4(5):441–5
Further validation of a questionnaire method for classifying depressive illness. Pilowsky I. **J Affective Disord** 1979 Sep; 1(3):179–85
Reassessing the bipolar-unipolar dichotomy. Taylor MA, et al. **J Affective Disord** 1980 Sep;2(3):195–217 (147 ref.)
Subtypes and laboratory measures of autonomous depression. Friedel RO. **J Clin Psychiatry** 1982 Aug;43(8 Pt 2):28–31
Antidepressants: the second harvest and DSM-III [editorial] Shader RI, et al. **J Clin Psychopharmacol** 1981 Mar; 1(2):51–2
Electroencephalographic sleep in unipolar depressive subtypes: support for a biological and familial classification. Kupfer DJ, et al. **J Nerv Ment Dis** 1982 Aug;170(8):494–8
Neurotic depression: results and cluster analyses. Matussek P, et al. **J Nerv Ment Dis** 1982 Oct;170(10):588–97
Toward a biochemical classification of depressive disorders. III: Pretreatment urinary MHPG levels as predictors of response to treatment with maprotiline. Schatzberg AF, et al. **Psychopharmacology (Berlin)** 1981;75(1):34–8
[Typical and atypical depressive states (letter)] Bang J. **Ugeskr Laeger** 1981 Sep 14;143(38):2450–2 **(Dan)**
[The present state of the concept of depression (author transl)] Pichot P. **Encephale** 1981;7(4 Suppl):307–14 (Eng. Abstr.) **(Fre)**
[The nosology of depressions (author's transl)] Pichot P. **Sem Hop Paris** 1981 Apr 18–25;57(15–16):739–43 (Eng. Abstr.) **(Fre)**
[Classification of childhood depression] Nissen G. **Acta Paedopsychiatr (Basel)** 1981 Feb;46(5–6):275–84 (Eng. Abstr.) **(Ger)**
[Nosologic and other dilemmas concerning depression (letter)] **Orv Hetil** 1982 Apr 11;123(15):945–9 **(Hun)**
[Current nosology of endogenous depression] Rihmer Z. **Orv Hetil** 1981 Oct 11;122(41):2519–25 **(Hun)**

COMPLICATIONS

Depression and somatization: a review. Part I. Katon W, et al. **Am J Med** 1982 Jan;72(1):127–35
Dyskinesia and unipolar depression [letter] Appelbaum PS. **Am J Psychiatry** 1982 Jan;139(1):140–1
Suicide and depressive illness. Chia BH. **Ann Acad Med Singapore** 1981 Jan;10(1):136–9

Cognitive dysfunction and imipramine in outpatient depressive. Glass RM, et al. **Arch Gen Psychiatry** 1981 Sep; 38(9):1048–51

Depression as a risk factor in tardive dyskinesia. Rush M, et al. **Biol Psychiatry** 1982 Mar;17(3):387–92

Depression 'revealed' in schizophrenia. Hirsch SR. **Br J Psychiatry** 1982 Apr;140:421–3

Studies of depressive symptoms in schizophrenia. Johnson DA. **Br J Psychiatry** 1981 Aug;139:89–101

Acromegaly and depression. Margo A. **Br J Psychiatry** 1981 Nov;139:467–8

Hypoalgesia in depression [letter] Whitlock FA. **Br J Psychiatry** 1981 May;138:437–8

Familial benign intracranial hypertension and depression. Coffey CE, et al. **Can J Neurol Sci** 1982 Feb;9(1):45–7

Depression, parkinsonism, and psychosis: a case report. McDanal CE Jr, et al. **Hawaii Med J** 1981 Dec; 40(12):352–3

EEG sleep in primary depression. A longitudinal placebo study. Coble PA, et al. **J Affective Disord** 1979 Jun; 1(2):131–8

A short-term follow-up of patients with depressive disorder on entry into home dialysis training. Lowry MR, et al. **J Affective Disord** 1980 Sep;2(3):219–27

Coexistent dementia and depression.[letter] Faber R. **J Clin Psychiatry** 1982 Jul;43(7):300

Case studies in neuropsychiatry: diagnosis and treatment of coexistent dementia and depression. Snow SS, et al. **J Clin Psychiatry** 1981 Nov;42(11):439–41

Prevalence of sleep apnea and nocturnal myoclonus in major affective disorders: clinical and polysomnographic findings. Reynolds CF 3d, et al. **J Nerv Ment Dis** 1982 Sep; 170(9):565–7

Relationship between depression and haematological status in chronic alcoholics. Majumdar SK, et al. **Neuropharmacology** 1981 Dec;20(12B):1351–2

[Psychosomatic equivalents of depression] Luminet D. **Arch Belg Med Soc** 1981 Feb;39(2):113–20 **(Fre)**

[Fatigue and depression (author's transl)] Widlocher D. **Encephale** 1981;7(4 Suppl):347–51 (Eng. Abstr.) **(Fre)**

[Dementia syndrome in depressive states. Efficacy of bromocriptine therapy (letter)] Julien J. **Nouv Presse Med** 1982 May 8;11(21):1639 **(Fre)**

[Paranoid-depressive syndrome preceding Huntington chorea] Siegmund R. **Z Arztl Fortbild (Jena)** 1981 May 1;75(9):427–8 **(Ger)**

[Importance of tomodensitometry (CT) in the detection of organic brain lesions in severe psychotic depressions. Report of 4 cases] Allicaire JF, et al. **Actas Luso Esp Neurol Psiquiatr** 1981 May–Jun;9(3):231–4 **(Spa)**

[Somatic complaints against a background of depressive disorder, a daily problem in consultation] Blanco-Cruz E. **Actas Luso Esp Neurol Psiquiatr** 1980 Mar–Apr;8(2):149–56 **(Spa)**

DIAGNOSIS

Depressive disorders in children—a re-consideration. Graham PJ. **Acta Paedopsychiatr (Basel)** 1981 Feb; 46(5–6):285–96

Rating scales to assess depression in school-aged children. Kovacs M. **Acta Paedopsychiatr (Basel)** 1981 Feb; 46(5–6):305–15

Direct assessment of depression by microcomputer. A feasibility study. Carr AC, et al. **Acta Psychiatr Scand** 1981 Nov;64(5):415–22

Depressive equivalents: a clarification using the Rorschach test. de Bertolini C, et al. **Acta Psychiatr Scand** 1982 Apr; 65(4):276–82

Characteristics of depressive patients contacting psychiatric services in four cultures. A report from the who collaborative study on the assessment of depressive disorders. Jablensky A, et al. **Acta Psychiatr Scand** 1981 Apr;63(4):367–83

The phenomenology of adolescent depression. Carlson GA. **Adolesc Psychiatry** 1981;9:411–21

The clinical phenomenology of childhood depression. Poznanski EO. **Am J Orthopsychiatry** 1982 Apr; 52(2):308–13

Definitions of depression: concordance and prediction of outcome. Brockington IF, et al. **Am J Psychiatry** 1982 Aug; 139(8):1022–7

Preliminary report on the dexamethasone suppression test for psychiatrically disturbed adolescents. Crumley FE, et al. **Am J Psychiatry** 1982 Aug;139(8):1062–4

Differentiating depression severity by color selection: a failure to replicate [letter] De Leo D, et al. **Am J Psychiatry** 1982 Jun;139(6):846

TSH and MHPG levels of depressed patients [letter] Gwirtsman HE. **Am J Psychiatry** 1982 Jul;139(7):967–8

Major depressive disorder in children admitted to an inpatient community mental health center. Kashani JH, et al. **Am J Psychiatry** 1982 May;139(5):671–2

Failure to suppress dexamethasone in depression secondary to thyrotoxicosis [letter] King D. **Am J Psychiatry** 1981 Nov;138(11):1514–5

The dexamethasone suppression test in two patients with severe depressive pseudodementia. McAllister TW, et al. **Am J Psychiatry** 1982 Apr;139(4):479–81

Effect of dexamethasone on plasma prolactin and cortisol levels in psychiatric patients. Meltzer HY, et al. **Am J Psychiatry** 1982 Jun;139(6):763–8

Screening for depression in geriatric medical patients. Okimoto JT, et al. **Am J Psychiatry** 1982 Jun; 139(6):799–802

The dexamethasone suppression test in prepubertal depressed children. Poznanski EO, et al. **Am J Psychiatry** 1982 Mar; 139(3):321–4

Preliminary report on the dexamethasone suppression test in adolescents. Robbins DR, et al. **Am J Psychiatry** 1982 Jul;139(7):942–3

Fluctuating postdexamethasone cortisol levels in a patient with melancholia. Rothschild AJ, et al. **Am J Psychiatry** 1982 Jan;139(1):129–30

Identifying the depressive border of the borderline personality disorder. Snyder S, et al. **Am J Psychiatry** 1982 Jun;139(6):814–7

Does the dexamethasone suppression test distinguish dementia from depression? Spar JE, et al. **Am J Psychiatry** 1982 Feb;139(2):238–40

Depression: symptoms versus diagnosis in 10,412 hospitalized children and adolescents (1957–1977). Christ AE, et al. **Am J Psychother** 1981 Jul;35(3):400–12

Dexamethasone suppression test and diagnosis of melancholia [letter] **Arch Gen Psychiatry** 1981 Sep;38(9):1067–8

DSM-III schizophreniform disorder. Comparisons with schizophrenia and affective disorder. Coryell W, et al. **Arch Gen Psychiatry** 1982 Jan;39(1):66–9

Growth hormone response to dextroamphetamine in depressed patients and normal subjects. Halbreich U, et al. **Arch Gen Psychiatry** 1982 Feb;39(2):189–92

Relapse in major depressive disorder: analysis with the life table. Keller MB, et al. **Arch Gen Psychiatry** 1982 Aug; 39(8):911–5

DSM-III criteria for major depressive episode [letter] Mattes J. **Arch Gen Psychiatry** 1981 Sep;38(9):1068–9

Dexamethasone and prolactin in depression [letter] Meltzer HY, et al. **Arch Gen Psychiatry** 1982 Feb;39(2):236

Paradoxical cortisol responses to dextroamphetamine in endogenous depression. Sachar EJ, et al. **Arch Gen Psychiatry** 1981 Oct;38(10):1113–7

Bipolar illness in adolescents with major depression: clinical, genetic, and psychopharmacologic predictors in a three- to four-year prospective follow-up investigation. Strober M, et al. **Arch Gen Psychiatry** 1982 May;39(5):549–55

EEG studies of sleep in the diagnosis of depression. Feinberg M, et al. **Biol Psychiatry** 1982 Mar;17(3):305–16

Thyrotropin-releasing hormone test and male unipolar depression. Kirstein L, et al. **Biol Psychiatry** 1981 Sep; 16(9):819–24

EEG spectral analysis in vital depression: ultradian cycles. Lange H. **Biol Psychiatry** 1982 Jan;17(1):3–21

Interference by carbamazepine with the dexamethasone suppression test. Privitera MR, et al. **Biol Psychiatry** 1982 May;17(5):611–20

Pituitary-adrenal disinhibition as the independent variable in the assessment of behavioral symptoms. Reus VI. **Biol Psychiatry** 1982 Mar;17(3):317–26

Sleep EEG and dexamethasone suppression test findings in outpatients with unipolar major depressive disorders. Rush AJ, et al. **Biol Psychiatry** 1982 Mar;17(3):327–41

Dexamethasone suppression test: problems and promise. Turner WJ. **Biol Psychiatry** 1982 Jan;17(1):1–2

The relationship between P3-latency and reaction time in depression. Giedke H, et al. **Biol Psychol** 1981 Dec; 13:31–49

Major common symptoms in psychiatry. Sadness. Pollitt J. **Br J Hosp Med** 1982 Feb;27(2):117–20

The Carroll rating scale for depression. I. Development, reliability and validation. Carroll BJ, et al. **Br J Psychiatry** 1981 Mar;138:194–200

The dexamethasone suppression test for melancholia. Carroll BJ. **Br J Psychiatry** 1982 Mar;140:292–304

The Carroll rating scale for depression. III. Comparison with other rating instruments. Feinberg M, et al. **Br J Psychiatry** 1981 Mar;138:205–9

On evaluating the severity of depression: an experimental study of psychiatrists. Fisch HU, et al. **Br J Psychiatry** 1982 Apr;140:378–83

Thyrotoxicosis presenting as depression [letter] Folks DG, et al. **Br J Psychiatry** 1982 Apr;140:432–3

Bimodality and the nature of depression [letter] Garside RF. **Br J Psychiatry** 1981 Aug;139:168–9

Self-report measures of mood and morale in elderly depressives. Gilleard CJ, et al. **Br J Psychiatry** 1981 Mar; 138:230–5

Depression in children admitted to hospital for orthopaedic procedures. Kashani JH, et al. **Br J Psychiatry** 1981 Jan; 138:21–5

The Carroll rating scale for depression. II. Factor analyses of the feature profiles. Smouse PE, et al. **Br J Psychiatry** 1981 Mar;138:201–4

Four perspectives on depression and the depressive illnesses. Powles WE. **Can Med Assoc J** 1981 Aug 1;125(3):253–8

Rating the severity of depressive symptoms in adolescents and young adults. Hurt SW, et al. **Compr Psychiatry** 1982 May–Jun;23(3):263–70

Depression: somatic symptoms and medical disorders in primary care. Katon W. **Compr Psychiatry** 1982 May–Jun; 23(3):274–87

The significance of biological factors in the diagnosis of depressions: I. Biochemical variables. van Praag HM. **Compr Psychiatry** 1982 Mar–Apr;23(2):124–35

The significance of biological factors in the diagnosis of depressions: II hormonal variables. van Praag HM. **Compr Psychiatry** 1982 May–Jun;23(3):216–26

Melancholia and excessive CNV recovery after nonresponse condition. Nakamura M, et al. **Folia Psychiatr Neurol Jpn** 1982;36(1):81–8

Physician–patient agreement about depression: notation in medical records. Yager J, et al. **Gen Hosp Psychiatry** 1981 Dec;3(4):271–6

A preliminary study of public response to newspaper, TV, and radio presentations on depression. Hunt DD, et al. **Hosp Community Psychiatry** 1982 Apr;33(4):304–5

Early recognition of depression. Guze SB. **Hosp Pract** 1981 Sep;16(9):87–9, 93–6

The use of the Beck Depression Inventory with adolescents. Teri L. **J Abnorm Child Psychol** 1982 Jun;10(2):277–84

Diagnosis of endogenous depression. Comparison of clinical, research and neuroendocrine criteria. Carroll BJ, et al. **J Affective Disord** 1980 Sep;2(3):177–94

Plasma and urinary cortisol levels after dexamethasone in affective disorders. Charles G, et al. **J Affective Disord** 1981 Dec;3(4):397–406

Depressive symptoms in rape victims. Frank E, et al. **J Affective Disord** 1979 Dec;1(4):269–77

Repeated dexamethasone suppression test during depressive illness. Normalisation of test result compared with clinical improvement. Holsboer F, et al. **J Affective Disord** 1982 Jun;4(2):93–101

The diagnosis of depression in children. Kuperman S, et al. **J Affective Disord** 1979 Sep;1(3):213–7

Comparison of the family history method to direct interview. Factors affecting the diagnosis of depression. Orvaschel H, et al. **J Affective Disord** 1982 Mar;4(1):49–59

Factor patterns in depression. A replication study. Rassaby E, et al. **J Affective Disord** 1979 Sep;1(3):187–94

Detecting depressive disorders in drug abusers: a comparison of screening instruments. Rounsaville BJ, et al. **J Affective Disord** 1979 Dec;1(4):255–67

The TRH stimulation test in subtypes of unipolar depression. Targum SD, et al. **J Affective Disord** 1982 Mar;4(1):29–34

Subtypes of unipolar depression distinguished by the dexamethasone suppression test. Targum SD, et al. **J Affective Disord** 1982 Mar;4(1):21–7

Diagnosis of childhood depression: a comparison of the Weinberg and DSM-III criteria. Carlson GA, et al. **J Am Acad Child Psychiatry** 1982 May;21(3):247–50

The use of RDC criteria for major depressive disorder in children and adolescents. Puig-Antich J. **J Am Acad Child Psychiatry** 1982 May;21(3):291–3

The use of the Research Diagnostic Criteria (RDC) for depression in adolescent psychiatric inpatients. Robbins DR, et al. **J Am Acad Child Psychiatry** 1982 May; 21(3):251–5

Clinical conferences: Management of depression in older people. **J Am Geriatr Soc** 1982 Mar;30(3):219–23

Screening for depression in hospitalized geriatric medical patients. Kitchell MA, et al. **J Am Geriatr Soc** 1982 Mar; 30(3):174–7

Neurophysiological evidence for different types of depression. Shagass C. **J Behav Ther Exp Psychiatry** 1981 Jun;12(2):99–111

The overnight dexamethasone suppression test: clinical and theoretical review. Gwirtsman H, et al. **J Clin Psychiatry** 1982 Aug;43(8):321–7 (52 ref.)

Strongyloidiasis presenting as depression: a case report. Haggerty JJ Jr, et al. **J Clin Psychiatry** 1982 Aug; 43(8):340–1

Clinical correlates of the TRH infusion test in primary depression. Kirstein L, et al. **J Clin Psychiatry** 1982 May; 43(5):191–4

The thyrotropin releasing hormone stimulation test: a review. Sternbach H, et al. **J Clin Psychiatry** 1982 Jan;43(1):4–6

Response manipulation on the depression Adjective Check List. Caplan M, et al. **J Clin Psychol** 1982 Jan;38(1):156–9

Additional data on the reliability and validity of the brief lists of the Depression Adjective Check Lists. Lubin B. **J Clin Psychol** 1981 Oct;37(4):809–11

Reliability of the Beck Depression Inventory with older adults. Gallagher D, et al. **J Consult Clin Psychol** 1982 Feb;50(1):152–3

Validity of MMPI codetypes in identifying DSM-III schizophrenics, unipolars, and bipolars. Winters KC, et al. **J Consult Clin Psychol** 1981 Jun;49(3):486–7

Use of depression inventories [letter] Berndt DJ, et al. **J Fam Pract** 1982 Mar;14(3):454–8

Clinical decisions about diagnosis and treatment for depression identified by screening. Magill MK, et al. **J Fam Pract** 1982 Jun;14(6):1144, 1149

A framework for relating alcoholism and depression. Sedlacek DA, et al. **J Fam Pract** 1982 Jan;14(1):41–4

Grief reactions and depression in family practice: differential diagnosis and treatment. Stack JM. **J Fam Pract** 1982 Feb; 14(2):271–5

Biological markers for depression in chronic pain. Blumer D, et al. **J Nerv Ment Dis** 1982 Jul;170(7):425–8

idiopathic pain disorder: a critique of pain-prone disorder and a proposal for a revision of the DSM-III category psychogenic pain disorder. Williams JB, et al. **J Nerv Ment Dis** 1982 Jul;170(7):415–9

Saliva cortisol levels following dexamethasone administration in endogenously depressed patients. Poland RE, et al. **Life Sci** 1982 Jan 11;30(2):177–81

Depressive illness masquerading as dementia in the elderly.

Kiloh LG. **Med J Aust** 1981 Nov 14;2(10):550–3
Clinical applications of the dexamethasone suppression test for endogenous depression. Carroll BJ. **Pharmacopsychiatria** 1982 Jan;15(1):19–25 (48 ref.)
Depression in the medically ill. Klerman GL. **Psychiatr Clin North Am** 1981 Aug;4(2):301–17
Depression in the aged. A commentary. Small GW, et al. **Psychiatr Clin North Am** 1982 Apr;5(1):45–8
The diagnosis and treatment of hidden depression. Abroms GM. **Psychiatr Q** 1981 Winter;53(4):235–41
Analysis of effects of sex and age in response to items on the CES–D scale. Clark VA, et al. **Psychiatry Res** 1981 Oct;5(2):171–81
The thyrotropin–releasing hormone test in the diagnosis of unipolar depression. Extein I, et al. **Psychiatry Res** 1981 Dec;5(3):311–6
Thyroid–stimulating hormone response to thyrotropin–releasing hormone in unipolar depression before and after clinical improvement. Extein I, et al. **Psychiatry Res** 1982 Apr;6(2):161–9
'Symptomless' autoimmune thyroiditis in depression. Gold MS, et al. **Psychiatry Res** 1982 Jun;6(3):261–9
Electroencephalographic sleep findings in depressed outpatients. Reynolds CF 3d, et al. **Psychiatry Res** 1982 Feb;6(1):65–75
Growth hormone response to clonidine as a probe of noradrenergic receptor responsiveness in affective disorder patients and controls. Siever LJ, et al. **Psychiatry Res** 1982 Apr;6(2):171–83
Dexamethasone suppression test in prepubertal conduct disorder [letter] Targum SD, et al. **Psychiatry Res** 1981 Aug;5(1):107–8
Treatment validity of different diagnostic concepts of depression. Zisook S, et al. **Psychiatry Res** 1981 Aug; 5(1):77–85
Behavioural measurement and drug response characteristics of unipolar and bipolar depression. Katz MM, et al. **Psychol Med** 1982 Feb;12(1):25–36
The TRH test in the diagnosis of major and minor depression. Gold MS, et al. **Psychoneuroendocrinology** 1981;6(2):159–69
The importance of diagnostic criteria for depression in the study of ECT. Taylor MA. **Psychopharmacol Bull** 1982 Apr;18(2):44–8
The dexamethasone suppression test: clinical applications. Brown WA. **Psychosomatics** 1981 Nov;22(11):951–5
Depression in older persons: diagnosis and management. Barnes R, et al. **West J Med** 1981 Dec;135(6):463–8
[A contribution to differential diagnostics of functional psychoses with the use of pharmacological tests (author's transl)] Kabeš J, et al. **Cesk Psychiatr** 1981 Dec; 77(6):385–94 (Eng. Abstr.) **(Cze)**
[Problems of endogenous and neurotic depression (author's transl)] Stěpánek J. **Cesk Psychiatr** 1981 Jun;77(3):182–6 (Eng. Abstr.) **(Cze)**
[Dexamethasone suppression test and diagnosis of depression] Kristensen CB. **Ugeskr Laeger** 1981 Feb 9;143(7):431 **(Dan)**
[Dexamethasone test and depression] Syvälahti E. **Duodecim** 1982;98(7):535–42 (Eng. Abstr.) **(Fin)**
[Factorial structure of the Hamilton depression scale. I.] Guelfi JD, et al. **Ann Med Psychol (Paris)** 1981 Feb; 139(2):199–214 (Eng. Abstr.) **(Fre)**
[Depressive states after the age of 70. Clinical and experimental study on a homogeneous group of 701 rural inhibitants] Petrov IC. **Minerva Med** 1981 Nov 24; 72(47):3191–5 **(Fre)**
[Depression in rheumatic diseases or somatic symptoms in depression] Carrière B. **Fortschr Med** 1981 Aug 27; 99(31–32):1226–30 (Eng. Abstr.) **(Ger)**
[Experiences with a self–assessment scale in depressive disorders] Friemert K, et al. **Z Arztl Fortbild (Jena)** 1981 Nov 1;75(21):1026–9 **(Ger)**
[Diagnosis and therapy of depressive disorders] Hoffmann K. **Z Arztl Fortbild (Jena)** 1981 Jun 1;75(11–12):555–6 **(Ger)**
[Diagnosis of bland, autonomic and masked depressive syndromes in the outpatient clinic] Koritsch HD. **Z Arztl Fortbild (Jena)** 1982 Feb;76(3):94–7 **(Ger)**
[Validity and reliability of a symptom checklist (FSCL): use in psychogeriatrics] Fischer–Cornelssen KA, et al. **Z Gerontol** 1982 Jan–Feb;15(1):31–7 (Eng. Abstr.) **(Ger)**
[The dilemma of depression (editorial)] **Orv Hetil** 1981 Oct 11;122(41):2527–9 **(Hun)**
[Chronicization of endogenous depressive episodes] Bogetto F, et al. **Minerva Psichiatr** 1981 Jul–Sep;22(3):123–9 **(Ita)**
['Normal' sadness and depressive disease. Does 'reactive' depression exist?] Argenta G. **Recenti Prog Med** 1982 Mar; 72(3):261–70 **(Ita)**
[Differentiation of late forms of depression (author's transl)] Molčan J, et al. **Cesk Psychiatr** 1981;77(4):226–31 (Eng. Abstr.) **(Slo)**
[Why are depressions masked?] López–Ibor Aliño JJ. **Actas Luso Esp Neurol Psiquiatr** 1980 Mar–Apr;8(2):75–82 **(Spa)**

DRUG THERAPY

To the pharmacological profile of maprotiline. Benešová O. **Act Nerv Super (Praha)** 1982 May;24(2):63–8
Worldwide clinical experience with ludiomil. Dillier. **Act Nerv Super (Praha)** 1982 May;24(2):40–54
Clinical experience with maprotiline. Kabeš J, et al. **Act Nerv Super (Praha)** 1982 May;24(2):93–8
Clinical experience with maprotilin and maprotilin/clomipramine infusions in resistant depression. Zapletálek M, et al. **Act Nerv Super (Praha)** 1982 May; 24(2):73–6
Monitoring S–adenosyl–methionine blood levels and antidepressant effect. Del Vecchio M, et al. **Acta Neurol (Napoli)** 1980 Dec;35(6):488–95
Drug treatment of depression in children. Pearce JB. **Acta Paedopsychiatr (Basel)** 1981 Feb;46(5–6):317–28
Double–blind comparison of doxepin and desipramine in patients with primary affective disorder. Amsterdam JD, et al. **Acta Psychiatr Scand** 1982 Apr;65(4):292–300
Bromocriptine treatment of depressive disorders. Clinical and biochemical effects. Nordin C, et al. **Acta Psychiatr Scand** 1981 Jul;64(1):25–33
Long–term treatment with mianserin: a clinical study with plasma levels. Altamura AC, et al. **Adv Biochem Psychopharmacol** 1982;32:357–61
Salbutamol treatment of depression. Belmaker RH, et al. **Adv Biochem Psychopharmacol** 1982;32:181–93 (46 ref.)
A new antidepressant agent: amitriptyline–N–oxide. Borromei A. **Adv Biochem Psychopharmacol** 1982;32:43–7
Treating the depressed elderly patient: the comparative behavioral pharmacology of mianserin and amitriptyline. Branconnier RJ, et al. **Adv Biochem Psychopharmacol** 1982; 32:195–212
Experience with a new rapid–acting antidepressant: amoxapine. Cancro R. **Adv Biochem Psychopharmacol** 1982; 32:121–4
Four new atypical antidepressants (trazodone, mianserin, nomifensine, caroxazone): results of controlled trials. Cassano GB, et al. **Adv Biochem Psychopharmacol** 1982; 32:125–39 (56 ref.)
A double blind comparative study of mianserin and a fixed combination of amitriptyline plus chlordiazepoxide. Dimitriou EC, et al. **Adv Biochem Psychopharmacol** 1982; 32:213–22
Initial clinical evaluation of a new nontricyclic antidepressant: clovoxamine. Freeman HL, et al. **Adv Biochem Psychopharmacol** 1982;32:69–75
Clinical evaluation of two new antidepressants. Gershon S, et al. **Adv Biochem Psychopharmacol** 1982;32:57–68
Early clinical double–blind study with S–adenosyl–L–methionine: a new potential antidepressant. Küfferle B, et al. **Adv Biochem Psychopharmacol** 1982; 32:175–80
Recognition of adverse drug reactions in depressed patients treated with viloxazine (Vicilan). Maistrello I, et al. **Adv Biochem Psychopharmacol** 1982;32:369–73
Use of antidepressants in childhood: results of maprotiline (Ludiomil) treatment in 20 cases. Minuti E, et al. **Adv Biochem Psychopharmacol** 1982;32:223–7
Supersensitivity and nomifensine in depressed patients. Montgomery S, et al. **Adv Biochem Psychopharmacol** 1982; 32:105–11
Profile of antidepressant action of zimelidine and norzimelidine compared with amitriptyline. Montgomery SA, et al. **Adv Biochem Psychopharmacol** 1982;32:35–42
SAMe versus placebo: a double blind comparison in major depressive disorders. Muscettola G, et al. **Adv Biochem Psychopharmacol** 1982;32:151–6
Hormone therapy in depressive diseases. Prange AJ Jr, et al. **Adv Biochem Psychopharmacol** 1982;32:289–96
Double blind test with mianserin versus chlorimipramine. Rapisarda V, et al. **Adv Biochem Psychopharmacol** 1982; 32:141–9
Comparative double–blind study on efficacy and side–effects of trazodone, nomifensine, mianserin in elderly patients. Scardigli G, et al. **Adv Biochem Psychopharmacol** 1982; 32:229–36
Viloxazine (Vivalan ICI) in depression: results of a field trial of 276 patients in neuropsychiatric practice. Sebjanic V, et al. **Adv Biochem Psychopharmacol** 1982;32:113–20
Clinical profile of the novel antidepressant bupropion. Stern WC, et al. **Adv Biochem Psychopharmacol** 1982;32:21–34
Do have antidepressants of the second generation anxiolytic properties? Kabes J, et al. **Agressologie** 1981 Nov; 22(E):11–3
Treatment of anxious depression with intravenous infusions of a combination of drugs. Krebs–Roubicek E, et al. **Agressologie** 1981 Nov;22(D):25–6
Tofizopam in the therapy of anxious–depressive syndromes. Molcan J, et al. **Agressologie** 1981 Nov;22(D):23–4
The therapeutic effect of Trazodon with endogenous depressions. Peterova E, et al. **Agressologie** 1981 Nov; 22(E):25
Amitriptyline levels and clinical effects. Quednow B, et al. **Agressologie** 1981 Nov;22(E):15–8
Anxiety in climax and its pharmacological treatment. Tondlova H, et al. **Agressologie** 1981 Nov;22(E):7–8
Antidepressant pharmacotherapy. Lippmann S. **Am Fam Physician** 1982 Jun;25(6):145–53
Tricyclic antidepressants and cardiac patients with pacemakers. Alexopoulos GS, et al. **Am J Psychiatry** 1982 Apr;139(4):519–20
Antidepressants and alpha 2–adrenergic responsivity [letter] Ambrosini PJ. **Am J Psychiatry** 1981 Dec;138(12):1634–5
Recurrence of depression after discontinuation of long–term amitriptyline treatment. Bialos D, et al. **Am J Psychiatry** 1982 Mar;139(3):325–9
Case reports of L–triiodothyronine potentiation [letter] Extein I. **Am J Psychiatry** 1982 Jul;139(7):966–7
Controlled trial of zimelidine, a 5–HT reuptake inhibitor, for treatment of depression. Georgotas A, et al. **Am J Psychiatry** 1982 Aug;139(8):1057–8
Use of loxapine to treat a patient with psychotic depression. Goldschmidt TJ, et al. **Am J Psychiatry** 1982 Jul; 139(7):946–7
Potentiation of antidepressant effects by L–triiodothyronine in tricyclic nonresponders. Goodwin FK, et al. **Am J Psychiatry** 1982 Jan;139(1):34–8
Questions about L–triiodothyronine and depression [letter] Goodwin FK, et al. **Am J Psychiatry** 1982 Jul;139(7):966
Grand mal seizures induced by maprotiline. Holliday W, et al. **Am J Psychiatry** 1982 May;139(5):673–4
Seizures associated with maprotiline [letter] Kim WY. **Am J Psychiatry** 1982 Jun;139(6):845–6
Seizures associated with amoxapine [letter] Koval G, et al. **Am J Psychiatry** 1982 Jun;139(6):845
Case report of painful ejaculation as a side effect of amoxapine. Kulik FA, et al. **Am J Psychiatry** 1982 Feb; 139(2):234–5
Response of panic disorder and resistance of depression to imipramine. Nurnberg HG, et al. **Am J Psychiatry** 1982 Aug;139(8):1060–2
Tricyclic–antidepressant–induced delirium and plasma drug concentration. Preskorn SH, et al. **Am J Psychiatry** 1982 Jun;139(6):822–3
Cardiovascular and antidepressant effects of imipramine in the treatment of secondary depression in patients with ischemic heart disease. Raskind M, et al. **Am J Psychiatry** 1982 Sep;139(9):1114–7
Trazodone in depressed outpatients. Rickels K, et al. **Am J Psychiatry** 1982 Jun;139(6):803–6
DST during drug–induced switch from depression to mania [letter] Schaffer CB. **Am J Psychiatry** 1982 Aug;139(8):1081
Case report of inhibition of ejaculation and retrograde ejaculation as side effects of amoxapine. Schwarcz G. **Am J Psychiatry** 1982 Feb;139(2):233–4
Maprotiline hydrochloride and convulsions: a case report. Schwartz L, et al. **Am J Psychiatry** 1982 Feb;139(2):244–5
Heterogeneity of amphetamine response in depressed patients. Silberman EK, et al. **Am J Psychiatry** 1981 Oct; 138(10):1302–7
Relationship between plasma antidepressant levels and clinical outcome for inpatients receiving imipramine. Simpson GM, et al. **Am J Psychiatry** 1982 Mar; 139(3):358–60
Atrial flutter with amoxapine: a case report. Zavodnick S. **Am J Psychiatry** 1981 Nov;138(11):1503–4
Depressive illness. Tucker L. **Am Pharm** 1981 Dec; 21(12):35–9
Body composition in affective disorder before, during, and after lithium carbonate therapy. Colt EW, et al. **Arch Gen Psychiatry** 1982 May;39(5):577–81
The induction of mania. A natural history study with controls. Lewis JL, et al. **Arch Gen Psychiatry** 1982 Mar; 39(3):303–6
Alteration of norepinephrine metabolism with desipramine and zimelidine in depressed patients. Linnoila M, et al. **Arch Gen Psychiatry** 1982 Sep;39(9):1025–8
Hypothalamic–pituitary–adrenal axis activity and tricyclic response in major depression. Nelson WH, et al. **Arch Gen Psychiatry** 1982 Sep;39(9):1033–6
Response to phenelzine and amitriptyline in subtypes of outpatient depression. Paykel ES, et al. **Arch Gen Psychiatry** 1982 Sep;39(9):1041–9
Selective and nonselective monoamine oxidase inhibitors: behavioral disturbances during their administration to depressed patients. Pickar D, et al. **Arch Gen Psychiatry** 1982 May;39(5):535–40
The cholinolytic biperiden in depression. An acute placebo controlled study. Beckmann H, et al. **Arch Psychiatr Nervenkr** 1982;231(3):213–20
Recent advances in psychopharmacology of depression. Johnson GF. **Aust NZ J Psychiatry** 1981 Sept;15(3):223–7
Monitoring and interpretation of antidepressant plasma concentrations. Norman TR, et al. **Aust NZ J Psychiatry** 1982 Mar;16(1):74–8
Dopamine autoreceptor subsensitivity: a mechanism common to the treatment of depression and the induction of amphetamine psychosis. Antelman SM, et al. **Biol Psychiatry** 1981 Aug;16(8):717–27
A possible cerebral mechanism for the clearing of psychogenic symptoms with amobarbital. Frumkin LR, et al. **Biol Psychiatry** 1981 Jul;16(7):687–91
Platelet monoamine oxidase inhibition as a potential indicator of favorable response to MAOI's in geriatric depressions. Georgotas A, et al. **Biol Psychiatry** 1981 Oct; 16(10):997–1001
Nortriptyline and EEG sleep in depressed patients. Kupfer DJ, et al. **Biol Psychiatry** 1982 May;17(5):535–46
Rapid antidepressant activity of melanocyte–inhibiting factor: a clinical trial. Levy MI, et al. **Biol Psychiatry** 1982 Feb; 17(2):259–63
TCA–induced mania: differences between switchers and nonswitchers. Nasrallah HA, et al. **Biol Psychiatry** 1982 Feb;17(2):271–4
Lithium does not prevent agonist–induced subsensitivity of human adenylate cyclase. Zohar J, et al. **Biol Psychiatry** 1982 Mar;17(3):343–50
Facial electromyography as a predictor of treatment outcome in depression. Carney RM, et al. **Br J Psychiatry** 1981 Jun;

138:485–9
A pilot study of the mechanism of action of desipramine. Checkley SA, et al. **Br J Psychiatry** 1981 Mar;138:248–51
Nortriptyline therapy in elderly patients: dosage prediction from plasma concentration at 24 hours after a single 50 mg dose. Dawling S, et al. **Br J Psychiatry** 1981 Nov; 139:413–6
Lithium induces rapid relief of depression in tricyclic antidepressant drug non-responders. Dé Montigny C, et al. **Br J Psychiatry** 1981 Mar;138:252–6
On the clinical response/plasma level relationship for clomipramine [letter] Dutt JE. **Br J Psychiatry** 1982 Jan; 140:105
The effect of treatment on the melancholias (depressions). Hamilton M. **Br J Psychiatry** 1982 Mar;140:223–30
Cardiac arrest in a young woman treated with amitriptyline combined with levopromazine [letter] Hese RT. **Br J Psychiatry** 1982 Mar;140:320
Phenelzine and amitriptyline: effects on symptoms of neurotic depression. Rowan PR, et al. **Br J Psychiatry** 1982 May; 140:475–83
A controlled comparison of flupenthixol decanoate injections and oral amitriptyline in depressed out-patients. Tam W, et al. **Br J Psychiatry** 1982 Mar;140:287–91
The new psychiatry [letter] **Br Med J [Clin Res]** 1981 Dec 12;283(6306):1609–10
Sexual disorders in the course of clomipramine treatment: a report of three cases. Yassa R. **Can J Psychiatry** 1982 Mar;27(2):148–9
Pharmacokinetics and efficacy of maprotiline and amitriptyline in endogenous depression: a double-blind controlled trial. Montgomery SA, et al. **Clin Ther** 1980; 3(4):292–310
Once daily flupenthixol in the treatment of elderly depressed patients: a multi-centre trial in general practice. Vallé-Jones JC, et al. **Curr Med Res Opin** 1981;7(8):543–9
Nomifensine maleate (Merital, Hoechst-Roussel). Fields ED. **Drug Intell Clin Pharm** 1982 Jul–Aug;16(7–8):547–52 (56 ref.)
Amoxapine: a review of its pharmacology and efficacy in depressed states. Jue SG, et al. **Drugs** 1982 Jul;24(1):1–23 (67 ref.)
Biological relationships between mania and melancholia. Post RM, et al. **Encephale** 1982;8(2):213–28
A controlled double blind comparative study of single dose administration of imipramine pamoate and divided dose of imipramine hydrochloride in depressive illness. Khorana AB. **Indian J Physiol Pharmacol** 1981 Oct–Dec;25(4):331–8
Pilot trials with diclofensine, a new psychoactive drug in depressed patients. Omer LM. **Int J Clin Pharmacol Ther Toxicol** 1982 Jul;20(7):320–6
Systematic studies with amoxapine, a new antidepressant. Ban TA, et al. **Int Pharmacopsychiatry** 1982;17(1):18–27
Long-term study of fluvoxamine: a new rapid-acting antidepressant. Feldmann HS, et al. **Int Pharmacopsychiatry** 1982;17(2):114–22
A collaborative study of a new antidepressant, viloxazine, in neurotic and endogenous depressives. Guy W, et al. **Int Pharmacopsychiatry** 1982;17(1):36–42
An open trial of zimelidine in patients with endogenous depression. Kiloh LG, et al. **Int Pharmacopsychiatry** 1982; 17(1):28–35
Plasma nomifensine concentration. Cardiological effects and clinical response. McIntyre IM, et al. **Int Pharmacopsychiatry** 1980;15(6):325–33
Drug fever due to nomifensine treatment in patients with endogenous depression. Nielsen JL, et al. **Int Pharmacopsychiatry** 1981;16(1):66–8
Antidepressant effect of Ro 11-1163, a new MAO inhibitor. Stefanis CN, et al. **Int Pharmacopsychiatry** 1982;17(1):43–8
Eye tracking in patients with unipolar and bipolar affective disorders in remission. Iacono WG, et al. **J Abnorm Psychol** 1982 Feb;91(1):35–44
Relevance of plasma levels during clomipramine treatment of primary depression. Faravelli C, et al. **J Affective Disord** 1982 Jun;4(2):163–5
Dexamethasone suppression test and selection of antidepressant medications. Greden JF, et al. **J Affective Disord** 1981 Dec;3(4):389–96
Lithium + L-tryptophan compared with amitriptyline in endogenous depression. Honoré P, et al. **J Affective Disord** 1982 Mar;4(1):79–82
Blood and plasma concentrations of dothiepin and its major metabolites and clinical response. Maguire KP, et al. **J Affective Disord** 1982 Mar;4(1):41–8
Relevance of tryptophan and tyrosine availability in endogenous and 'non-endogenous' depressives treated with imipramine or clomipramine. Møller SE, et al. **J Affective Disord** 1981 Sep;3(3):231–44
Viloxazine plasma concentrations and clinical response. Norman TR, et al. **J Affective Disord** 1980 Sep;2(3):157–64
Efficacy of desipramine in endogenomorphically depressed patients. Stewart JW, et al. **J Affective Disord** 1980 Sep; 2(3):165–76
Clinical effects of amitriptyline in adolescent depression. A pilot study. Kramer AD, et al. **J Am Acad Child Psychiatry** 1981 Summer;20(3):636–44
Major depression and conduct disorder in prepuberty. Puig-Antich J. **J Am Acad Child Psychiatry** 1982 Mar; 21(2):118–28
Depression in the elderly: pharmacologic considerations in treatment. Veith RC. **J Am Geriatr Soc** 1982 Sep; 30(9):581–6
Comparison of molindone and tranylcypromine in the treatment of refractory depression. Small JG, et al. **J Clin Pharmacol** 1981 Aug–Sep;21(8–9):351–8
A comparison of phenelzine and imipramine in depressed inpatients. Davidson JR, et al. **J Clin Psychiatry** 1981 Oct; 42(10):395–7
Does subclinical hypothyroidism predispose to tricyclic-induced rapid mood cycles? Extein I, et al. **J Clin Psychiatry** 1982 Jul;43(7):290–1
Factors related to orthostatic hypotension associated with tricyclic antidepressants Glassman AH, et al. **J Clin Psychiatry** 1982 May;43(5 Pt 2):35–8
Nomifensine in the treatment of depressed geriatric patients. Goldstein SE, et al. **J Clin Psychiatry** 1982 Jul;43(7):287–9
Maprotiline and seizures. Hoffman BF, et al. **J Clin Psychiatry** 1981 Mar;43(3):117–8
A controlled comparison of trimipramine and amitriptyline. Kline NS. **J Clin Psychiatry** 1982 Mar;43(3):100–4
Viloxazine HCl in the treatment of endogenous depression: a standard (imipramine) controlled clinical study. McEvoy JP, et al. **J Clin Psychiatry** 1981 Mar;43(3):111–2
MAO inhibitors in chronic pain and depression [letter] Raskin DE. **J Clin Psychiatry** 1981 Mar;43(3):122
Maprotiline versus imipramine [letter] Rifkin A. **J Clin Psychiatry** 1981 Mar;43(3):122
Tricyclic exacerbation of undiagnosed diabetic uropathy. Rubinow DR, et al. **J Clin Psychiatry** 1982 May;43(5):210–2
Drug combinations in the treatment of refractory depression: a review. Stern SL, et al. **J Clin Psychiatry** 1981 Oct; 42(10):368–73 (46 ref.)
Phenelzine treatment of depression with chronic diarrhea. Weiss KJ, et al. **J Clin Psychiatry** 1982 Jun;43(6):250–1
Adding a tricyclic antidepressant to a monoamine oxidase inhibitor [letter] Davidson J. **J Clin Psychopharmacol** 1982 Jun;2(3):216
Prophylactic serum lithium levels in recurrent unipolar depression. Decina P, et al. **J Clin Psychopharmacol** 1981 May;1(3):150–2
Single dose prediction of steady state plasma levels of amitriptyline. Madakasira S, et al. **J Clin Psychopharmacol** 1982 Apr;2(2):136–9
A controlled study of trazodone, imipramine, and placebo in outpatients with endogenous depression. Mann JJ, et al. **J Clin Psychopharmacol** 1981 Mar;1(2):75–80
The relative efficacy of l-deprenyl, a selective monoamine oxidase type B inhibitor, in endogenous and nonendogenous depression. Mann JJ, et al. **J Clin Psychopharmacol** 1982 Feb;2(1):54–7
Plasma concentrations of imipramine and clinical response among depressed outpatients. Matuzas W, et al. **J Clin Psychopharmacol** 1982 Apr;2(2):140–2
Imipramine treatment of depressed children: a double-blind pilot study. Petti TA, et al. **J Clin Psychopharmacol** 1982 Apr;2(2):107–10
Methodological problems in studies of depressive disorder: utility of the discontinuation design. Quitkin FM, et al. **J Clin Psychopharmacol** 1981 Sep;1(5):283–8
Combined MAOI-tricyclic antidepressant treatment: a reevaluation. White K, et al. **J Clin Psychopharmacol** 1981 Sep;1(5):264–82 (132 ref.)
Tricyclic antidepressants: clinical use of plasma levels. Preskorn SH, et al. **J Kans Med Soc** 1981 Mar;82(3):122–4, 134
A double-blind study of tranylcypromine treatment of major anergic depression. Himmelhoch JM, et al. **J Nerv Ment Dis** 1982 Oct;170(10):628–34
Dependency of tricyclic antidepressant efficacy on thyroid hormone potentiation: case studies. Swartz CM. **J Nerv Ment Dis** 1982 Jan;170(1):50–2
Combined use of trimipramine and phenelzine in depression. Zetin M. **J Nerv Ment Dis** 1982 Apr;170(4):246–7
Psychotherapy with psychedelic drugs: a case report. Di Leo FB. **J Psychoactive Drugs** 1981 Oct–Dec;13(4):319–24
Multicentre evaluation of mianserin in depressive illness. Marriott P, et al. **Med J Aust** 1981 Jul 25;2(2):97–8
Trazodone (Desyrel), a new non-tricyclic antidepressant. **Med Lett Drugs Ther** 1982 May 14;24(609):47–8
Trazodone: a novel, broad-spectrum antidepressant. Ayd FJ Jr, et al. **Mod Probl Pharmacopsychiatry** 1982;18:49–69 (61 ref.)
Iprindole: a cornerstone in the neurobiological investigation of antidepressant treatments. de Montigny C. **Mod Probl Pharmacopsychiatry** 1982;18:102–16 (88 ref.)
Benzodiazepines as antidepressants. A triazolobenzodiazepine used to treat depression. Feighner JP. **Mod Probl Pharmacopsychiatry** 1982;18:196–212
Rubidium: overview and clinical perspectives. Fieve RR, et al. **Mod Probl Pharmacopsychiatry** 1982;18:145–63 (31 ref.)
Comments on multicenter trials of antidepressant drugs. Hippius H, et al. **Mod Probl Pharmacopsychiatry** 1981; 16:95–9
Role of lithium as an antidepressant. Mendels J. **Mod Probl Pharmacopsychiatry** 1982;18:138–44 (27 ref.)
Mianserin. Pinder RM, et al. **Mod Probl Pharmacopsychiatry** 1982;18:70–101 (113 ref.)
Antidepressant use of amphetamines and other psychostimulants. Wittenborn JR. **Mod Probl Pharmacopsychiatry** 1982;18:178–95 (44 ref.)
Cardiovascular effects of tricyclic antidepressants in depressed patients with chronic heart disease. Veith RC, et al. **N Engl J Med** 1982 Apr 22;306(16):954–9
Effects of phenelzine and acetylator phenotype. Rowan PR, et al. **Neuropharmacology** 1981 Dec;20(12B):1353–4
A follow-up report and double blind comparative study of amoxapine and imipramine for the treatment of depressive inpatients. Eilenberg MD. **NZ Med J** 1982 Mar 24; 95(704):189–91
A double-blind comparative clinical study of amoxapine and amitriptyline in depressed, hospitalised patients. James B. **NZ Med J** 1982 Jun 9;95(709):391–3
Cognitive improvement associated with tricyclic antidepressant treatment of childhood major depressive illness. Staton RD, et al. **Percept Mot Skills** 1981 Aug; 53(1):219–34
A double-blind clinical trial of nomifensine vs. amitriptyline in depressed patients. Cassano GB, et al. **Pharmacopsychiatria** 1982 May;15(3):84–9
The anticholinergic biperiden in depressive disorders. Kasper S, et al. **Pharmacopsychiatria** 1981 Nov;14(6):195–8
Trazodone and amitriptyline in treatment of depressed inpatients. A double-blind study. Moises HW, et al. **Pharmacopsychiatria** 1981 Sep;14(5):167–71
The treatment of anxiety and depression in general practice. Priest RG. **Practitioner** 1982 Mar;226(1365):549–51, 553, 556
Drug treatment of depression in general practice. Wheatley D, et al. **Practitioner** 1982 Feb;226(1364):316–20
Clonidine: antidepressant potential? Malick JB. **Prog Clin Biol Res** 1981;71:165–75
Plasma levels, psychophysiological variables, and clinical response to amitriptyline. Breyer-Pfaff U, et al. **Psychiatry Res** 1982 Apr;6(2):223–34
Monoamine oxidase inhibitor-responsive depression. Giller E, et al. **Psychiatry Res** 1982 Feb;6(1):41–8
Effect of carbamazepine on CSF opioid activity; relationship to antidepressant response. Post RM, et al. **Psychiatry Res** 1981 Aug;5(1):59–66
Possible subsensitization of alpha 2-adrenergic receptors by chronic monoamine oxidase inhibitor treatment in psychiatric patients. Siever LJ, et al. **Psychiatry Res** 1982 Jun;6(3):293–302
Early improvement as a predictor of response to amitriptyline and nortriptyline: a comparison of 2 patient samples. Coryell W, et al. **Psychol Med** 1982 Feb;12(1):135–9
Serum dihydrobiopterin levels in patients on tricyclic antidepressants. Leeming RJ, et al. **Psychol Med** 1982 Feb; 12(1):191–2
Pre-treatment neurotransmitter metabolites and response to imipramine or amitriptyline treatment. Maas JW, et al. **Psychol Med** 1982 Feb;12(1):37–43
Pharmacotherapy of anxiety and depression. **Psychopharmacol Bull** 1981 Jul;17(3):91–103
Dosage and treatment strategies in schizophrenia and affective disorders. **Psychopharmacol Bull** 1982 Jan; 18(1):19–26
Neurotransmitter precursors for the treatment of depression. Gelenberg AJ, et al. **Psychopharmacol Bull** 1982 Jan; 18(1):7–18 (97 ref.)
Maintenance treatment of unipolar depression. Peselow ED, et al. **Psychopharmacol Bull** 1981 Oct;17(4):53–6
Effects of zimelidine and desipramine on serotonin and noradrenaline uptake mechanisms in relation to plasma concentrations and to therapeutic effects during treatment of depression. Aberg-Wistedt A, et al. **Psychopharmacology (Berlin)** 1981;74(4):297–305
Antidepressive effect and pharmacokinetics of amitriptyline with consideration of unbound drug and 10-hydroxynortriptyline plasma levels. Breyer-Pfaff U, et al. **Psychopharmacology (Berlin)** 1982;76(3):240–4
Do urinary MHPG and plasma drug levels correlate with response to amitriptyline therapy? Gaertner HJ, et al. **Psychopharmacology (Berlin)** 1982;76(3):236–9
Tricyclic continuation and maintenance therapy in unipolar depression. Kleinman I, et al. **Psychosomatics** 1981 Dec; 22(12):1031–6
[Treatment of depression with domestic amitriptyline (author's transl)] Zhou TX. **Chung Hua Shen Ching Ching Shen Ko Tsa Chih** 1981 May; 13(2):68–71 **(Chi)**
[Comparison of the effectiveness of tranylcypromine, nortriptyline, thioridazine and amitriptyline in two syndromological types of endogenous depression (author's transl)] Náhunek K, et al. **Cesk Psychiatr** 1981;77(4):245–52 (Eng. Abstr.) **(Cze)**
[On the position of pyrazidol in the group of antidepressants in treatment of endogenous depression (author's transl)] Náhunek K, et al. **Cesk Psychiatr** 1981 Oct;77(5):315–21 (Eng. Abstr.) **(Cze)**
[Influence of the seasons on the course and therapeutic results of depressive phases of maniomelancholy (author's transl)] Sedivec V. **Cesk Psychiatr** 1981 Oct;77(5):326–30 (Eng. Abstr.) **(Cze)**
[Therapeutic effects of trazodone in endogenous depressions (author's transl)] Vencovský E, et al. **Cesk Psychiatr** 1982 Apr;78(2):123–6 (Eng. Abstr.) **(Cze)**
[Treatment of endogenous depressions with maprotiline, clomipramine, dibenzepine and pyrlindole (author's transl)] Zapletálek M, et al. **Cesk Psychiatr** 1981 Jun;77(3):198–203 (Eng. Abstr.) **(Cze)**
[Depressive states, occurrence and treatment in family practice. Randomized study of the efficacy of maprotiline (Ludiomil) and flupenthixol (Fluanxol)] Sederberg-Olsen P, et al. **Ugeskr Laeger** 1981 May 25;143(22):1383–7 (Eng.

Abstr.) (Dan)

[Study of nomifensine in the treatment of depressive states (author's transl)] Zermatten A, et al. **Acta Psychiatr Belg** 1981 Jul-Aug;81(4):379-98 (Eng. Abstr.) (Fre)

[Medifoxamine 50, an antidepressive drug without atropine-like side effects] Delaunay J, et al. **Ann Med Psychol (Paris)** 1982 Jan;140(1):148-56 (Fre)

[Clinical trial of quinupramine in the treatment of depressive states. synthesis of 3035 cases] Des Lauriers A, et al. **Ann Med Psychol (Paris)** 1982;140(2):262-76 (Fre)

[Demexiptiline in the treatment of melancholic states (reflections after 3 years of use)] Martin A, et al. **Ann Med Psychol (Paris)** 1981 Nov;139(9):1023-35 (Fre)

[Unipolar periodic depressive psychosis and chronic tricyclic antidepressive treatment] Pascalis G. **Ann Med Psychol (Paris)** 1981 Nov;139(9):965-9 (Eng. Abstr.) (Fre)

[Antidepressant monotherapy: efficacy and tolerability of mianserin (Athymil)] Pringuey D, et al. **Ann Med Psychol (Paris)** 1981 Nov;139(9):1003-14 (Fre)

[Imipramine and neuro-psychiatry. Retrospective study of 557 out-patients treated in a neuro-psychiatric unit (author's transl)] Brion S, et al. **Encephale** 1982;8(1):49-63 (Eng. Abstr.) (Fre)

[Analysis of controlled studies comparing mianserin and clomipramine (author's transl)] de Buck RP. **Encephale** 1981;7(4 Suppl):455-72 (Eng. Abstr.) (Fre)

[New antidepressant multicenter study in hospitalized patients: quinupramine (author's transl)] Deniker P, et al. **Encephale** 1982;8(1):65-87 (Eng. Abstr.) (Fre)

[Anxiolytics and depression (author's transl)] Johnson FN. **Encephale** 1982;8(2):259-66 (Eng. Abstr.) (Fre)

[Amineptine and depressive symptoms, cardiovascular and ophthalmological acceptabilities (author's transl)] Kammerer T, et al. **Encephale** 1981;7(5):631-44 (Eng. Abstr.) (Fre)

[An open study of Mianserin (author's transl)] Lemperiere T, et al. **Encephale** 1981;7(4 Suppl):445-54 (Eng. Abstr.) (Fre)

[A qualitative study of clinical change in population of salbutamol-treated hospitalized depressives (author's transl)] Manceaux D, et al. **Encephale** 1982;8(1):25-35 (Eng. Abstr.) (Fre)

[Mianserin: review and discussion of its double-blind studies versus nomifensine] Montogomery SA, et al. **Encephale** 1981;7(4 Suppl):485-94 (Eng. Abstr.) (Fre)

[Prescription of antidepressants (author's transl)] Rainaut J. **Encephale** 1981;7(4 Suppl):513-22 (Eng. Abstr.) (Fre)

[Proserotoninergic agents and depression (author's transl)] Uzan A. **Encephale** 1982;8(2):273-89 (Eng. Abstr.) (Fre)

[Clinical and therapeutic approach to anxiety-depression syndromes. Effectiveness of bromazepam (author's transl)] Dachary JM, et al. **Nouv Presse Med** 1982 May 13; 11(22):1710-2 (Eng. Abstr.) (Fre)

[A study of bromazepam in hospital practice (author's transl)] Gorceix A, et al. **Nouv Presse Med** 1982 May 13; 11(22):1702-5 (Eng. Abstr.) (Fre)

[Clinical trial of bromazepam. Thirty-four cases (author's transl)] Horseau C, et al. **Nouv Presse Med** 1982 May 13; 11(22):1741-3 (Eng. Abstr.) (Fre)

[Practical and theoretical aspects of the treatment of depressive disorders] Breulet M. **Rev Med Liege** 1981 Apr 15;36(8):389-96 (Fre)

[Comparative clinical study of the association of chlordiazepoxide-amitriptyline and maprotiline in patients suffering from depression with anxiety components] Tsaras G, et al. **Rev Med Suisse Romande** 1981 Jun;101(6):483-6 (Fre)

[Biological treatments of depression (author's transl)] Zarifian E, et al. **Sem Hop Paris** 1981 Apr 18-25;57(15-16):787-90 (Eng. Abstr.) (Fre)

[The effect of maprotiline on target symptoms of depressive states] Faltus F. **Act Nerv Super (Praha)** 1982 May; 24(2):99-100 (Ger)

[Analysis of the efficacy of EEG after maprotiline administration] Libiger J, et al. **Act Nerv Super (Praha)** 1982 May;24(2):106-11 (Ger)

[Further clinical experiences with maprotiline in endogeneous depressions] Náhunek K, et al. **Act Nerv Super (Praha)** 1982 May;24(2):81-7 (Ger)

[Treatment of therapy-refractory depressions] Pöldinger W, et al. **Act Nerv Super (Praha)** 1982 May;24(2):55-62 (Ger)

[Our experiences in the treatment of pharmacoresistent depressions with maprotiline] Rektor L, et al. **Act Nerv Super (Praha)** 1982 May;24(2):101-5 (Ger)

[Combined chlorimipramine and maprotiline therapy in therapy-resistant depressions] Souček K. **Act Nerv Super (Praha)** 1982 May;24(2):88-9 (Ger)

[Maprotiline and its undesired effects] Tesařová O. **Act Nerv Super (Praha)** 1982 May;24(2):90-2 (Ger)

[Ambulatory treatment of masked depressions with maprotiline] Vencovský E. **Act Nerv Super (Praha)** 1982 May;24(2):69-72 (Ger)

[Maprotiline in psychiatric ambulatory care] Vinař O. **Act Nerv Super (Praha)** 1982 May;24(2):112-8 (Ger)

[The antidepressant viloxazin. A multicenter study under practice conditions] Rüther E. **Fortschr Med** 1982 May 13; 100(18):864-70 (Eng. Abstr.) (Ger)

[Comparison of the therapeutic effects of lofepramine and maprotiline in depression] Finke G, et al. **MMW** 1982 Mar 26;124(12):301-3 (Ger)

[Comparison of the Hamilton Depression Rating Scale and the Self Rating Scale BS (v. Zerssen) within a double blind study on the antidepressant effects of trazodone verus amitriptyline (author's transl)] Kieback D. **Pharmacopsychiatria** 1982 May;15(3):97-102 (Eng. Abstr.) (Ger)

[Bromocriptin in organic depression (author's transl)] Schubert H, et al. **Pharmacopsychiatria** 1982 May; 15(3):103-6 (Eng. Abstr.) (Ger)

[Clinical investigation comparing trazodone and clomipramine] Lange E, et al. **Psychiatr Neurol Med Psychol (Leipz)** 1980 Dec; 32(12):748-50 (Ger)

[Long-term treatment of depressive syndromes with Psyton (author's transl)] Jellinger K, et al. **Wien Med Wochenschr** 1982 Apr 30;132(8):183-8 (Eng. Abstr.) (Ger)

[Interaction between benzodiazepines and blood levels of lithium salts] Raudino F. **Clin Ter** 1981 Sep 30;98(6):683-5 (Ita)

[Antidepressive agents in old age] Tatarelli R, et al. **Clin Ter** 1981 Sep 30;98(6):671-81 (42 ref.) (Ita)

[5-hydroxytryptophan in combination with allopurinol in depressions] Calandra C, et al. **Minerva Psichiatr** 1981 Jul-Sep;22(3):131-5 (Eng. Abstr.) (Ita)

[Differentiated therapy of endogenous depressions] Ravizza L, et al. **Minerva Psichiatr** 1981 Jul-Sep;22(3):127-30 (Eng. Abstr.) (Ita)

[The antidepressive maprotiline: symposium at Hradec Kralove 26 November 1980] **Act Nerv Super (Praha)** 1982 May;24(2):39-118 (Mul)

[Single thymoleptic doses administered at night as a treatment in depression (author's transl)] Kiejna A, et al. **Psychiatr Pol** 1981 Jul-Dec;15(4-6):387-91 (Eng. Abstr.) (Pol)

[Clinical evaluation of the antidepressive agent noveril] Nevskii MP, et al. **Farmakol Toksikol** 1982 May-Jun; 45(3):50-2 (Eng. Abstr.) (Rus)

[Treatment of depressive conditions with S-methylmethionine (vitamin U)] Stoliarov GV, et al. **Zh Nevropatol Psikhiatr** 1981;81(8):1209-12 (Eng. Abstr.) (Rus)

ENZYMOLOGY

True and pseudo cholinesterases in depression. Mathew RJ, et al. **Am J Psychiatry** 1982 Jan;139(1):125-7

Human platelet phenolsulphotransferase. separate control of the two forms and activity range in depressive illness. Carter SM, et al. **Clin Chim Acta** 1981 Dec 24;117(3):333-44

Comparison of midday serum dopamine-beta-hydroxylase activity in depressed patients and normal controls. Nasr S, et al. **Commun Psychopharmacol** 1980;4(4):263-7

Biological markers of melancholia and reclassification of depressive disorders. Greden JF. **Encephale** 1982; 8(2):193-202

Monoamine oxidase activity and the puerperal blues syndrome. George AJ, et al. **J Psychosom Res** 1981; 25(5):409-13

Depression, antidepressants, and plasma DBH. Mathew RJ, et al. **Psychiatry Res** 1981 Dec;5(3):331-4

[Critical view of biochemical factors in depressive syndromes and the prescription of antidepressants] Loo H, et al. **Ann Med Psychol (Paris)** 1982;140(2):240-51 (Fre)

[Effect of lithium carbonate on serum dopamine beta-hydroxylase activity in endogenous depression] Grabowska M, et al. **Folia Med Cracov** 1980;22(3-4):419-24 (Eng. Abstr.) (Pol)

ETIOLOGY

Childhood depression. Developmental considerations. Herzog DB, et al. **Am J Dis Child** 1982 Feb;136(2):115-20

Smoking and depression [letter] Flanagan J, et al. **Am J Psychiatry** 1982 Apr;139(4):541

Receptor sensitivity and the mechanism of action of antidepressant treatment. Implications for the etiology and therapy of depression. Charney DS, et al. **Arch Gen Psychiatry** 1981 Oct;38(10):1160-80 (329 ref.)

Psychiatric disorders in patients with spinal cord injuries. Fullerton DT, et al. **Arch Gen Psychiatry** 1981 Dec; 38(12):1369-71

Diagnosis and neuroanatomical correlates of depression in brain-damaged patients. Implications for a neurology of depression. Ross ED, et al. **Arch Gen Psychiatry** 1981 Dec; 38(12):1344-54

Psychiatric aspects of Cushing's syndrome. Cohen SI. **Br J Hosp Med** 1982 May;27(5):548

Psychiatric aspects of diabetes mellitus: diabetes and depression. **Br J Psychiatry** 1981 Aug;139:171-2

Vulnerability factors and depression in men. Roy A. **Br J Psychiatry** 1981 Jan;138:75-7

Life events and depression in a Kenyan setting. Vadher A, et al. **Br J Psychiatry** 1981 Aug;139:134-7

Psychotic and neurotic depression. Part 3. Aetiological and background factors. Brown GW, et al. **J Affective Disord** 1979 Sep;1(3):195-211

Physical illness and depression in the elderly. Ouslander JG. **J Am Geriatr Soc** 1982 Sep;30(9):593-9 (50 ref.)

Social class and depressive symptomatology. The role of life change events and locus of control. Husaini BA, et al. **J Nerv Ment Dis** 1981 Oct;169(10):638-47

Possible involvement of endorphin withdrawal or imbalance in specific premenstrual syndromes and postpartum depression. Halbreich U, et al. **Med Hypotheses** 1981 Aug; 7(8):1045-58 (105 ref.)

Psychosocial stress factors and the prevention of depressive illness in the elderly. Coetzee D. S Afr Med J 1981 Sep 19;60(12):466-71

[Practitioner facing depression (author's transl)] Efthymiou T. **Encephale** 1981;7(4 Suppl):557-60 (Eng. Abstr.) (Fre)

[Occurrence of depression with internal diseases] Greger J, et al. **Z Gesamte Inn Med** 1981 May 15;36(10):321-5 (Eng. Abstr.) (Ger)

[A case of periarteritis nodosa causing central nervous system symptom] Peres A, et al. **Orv Hetil** 1981 Oct 11; 122(41):2549-51 (Hun)

[Various factors common to the pathogenesis of endogenous depression and chronic alcoholism] Nuller IuL, et al. **Zh Nevropatol Psikhiatr** 1981;81(9):1375-9 (Eng. Abstr.) (Rus)

FAMILIAL & GENETIC

The Iowa 500: affective disorder in relatives of manic and depressed patients. Winokur G, et al. **Am J Psychiatry** 1982 Feb;139(2):209-12

An independent analysis of the Copenhagen sample of the Danish adoption study of schizophrenia. IV. The relationship between major depressive disorder and schizophrenia. Kendler KS, et al. **Arch Gen Psychiatry** 1982 Jun;39(6):639-42

Recent advances in the genetics of affective illness. James NM. **Aust NZ J Psychiatry** 1981 Sept;15(3):239-42

Dermatoglyphic studies in affective disorders: an appraisal. Balgir RS. **Biol Psychiatry** 1982 Jan;17(1):69-82

The dexamethasone suppression test and familial subtypes of depression--a naturalistic replication. Coryell W, et al. **Biol Psychiatry** 1982 Jan;17(1):33-40

Dexamethasone suppression test in primary depression: significance of family history and psychosis. Rudorfer MV, et al. **Biol Psychiatry** 1982 Jan;17(1):41-8

The relationship of family history of alcoholism to primary affective disorder. Hensel B, et al. **J Affective Disord** 1979 Jun;1(2):105-13

Depressive disorders and HLA [letter] Faber R. **N Engl J Med** 1982 May 20;306(20):1238-9

Evidence of HLA linkage in depressive disorders [editorial] Matthysse S, et al. **N Engl J Med** 1981 Nov 26; 305(22):1340-1

Depressive disorders and HLA: a gene on chromosome 6 that can affect behavior. Weitkamp LR, et al. **N Engl J Med** 1981 Nov 26;305(22):1301-6

[Genetic analysis of depressions (author's transl)] Roubertoux P. **Encephale** 1981;7(4 Suppl):535-42 (Eng. Abstr.) (Fre)

HISTORY

The Schreber case and affective illness: a research diagnostic re-assessment. Koehler KG. **Psychol Med** 1981 Nov; 11(4):689-96

['Medial' psychotherapy in a depressive crisis. A curiosity from the years 1833/34] Krauss P. **Psyche (Stuttg)** 1981 Oct;35(10):963-71 (Eng. Abstr.) (Ger)

IMMUNOLOGY

[Evaluation of the HLA system in a sample of patients with endogenous depression] Campillo F, et al. **Actas Luso Esp Neurol Psiquiatr** 1981 Sep-Oct;9(5):363-6 (Eng. Abstr.) (Spa)

METABOLISM

Serotonin and dopamine disturbances in patients with unipolar depression and Parkinsonism. Mendlewicz J, et al. **Adv Exp Med Biol** 1981;133:753-67

Neuroendocrine and neurochemical measurements in depression. Davis KL, et al. **Am J Psychiatry** 1981 Dec; 138(12):1555-62

Presynaptic adrenergic receptor sensitivity in depression. The effect of long-term desipramine treatment. Charney DS, et al. **Arch Gen Psychiatry** 1981 Dec;38(12):1334-40

Adrenergic receptor sensitivity in depression. Effects of clonidine in depressed patients and healthy subjects. Charney DS, et al. **Arch Gen Psychiatry** 1982 Mar; 39(3):290-4

Depressed patients have decreased binding of tritiated imipramine to platelet serotonin 'transporter'. Paul SM, et al. **Arch Gen Psychiatry** 1981 Dec;38(12):1315-7

Acute metabolic response to cold exposure in unipolar and bipolar II patients. Caroff S, et al. **Biol Psychiatry** 1981 Oct;16(10):919-29

Decreased 3H-imipramine binding in depressed males and females. Asarch KB, et al. **Commun Psychopharmacol** 1980; 4(5):425-32

Endogenous depression: biochemical determinants and drug treatment. Hollister LE. **Drug Ther** 1982;.81-98 (34 ref.)

Relationship between mood changes and adrenal cortical activity in a patient with 48-hour unipolar-depressive cycles. Doerr P, et al. **J Affective Disord** 1979 Jun; 1(2):93-104

Neuropeptides in Alzheimer's disease, depression and schizophrenia. A post mortem analysis of vasoactive intestinal peptide and cholecystokinin in cerebral cortex. Perry RH, et al. **J Neurol Sci** 1981 Sep;51(3):465-72

Tricyclic antidepressant drug action correlates with its tissue levels in anterior neocortex. Petty F, et al. **Neuropharmacology** 1982 May;21(5):475–7

High-affinity 3H-imipramine binding: a new biological marker in depression. Langer SZ, et al. **Pharmacopsychiatria** 1982 Jan;15(1):4–10 (57 ref.)

Influence of unilateral ECT on tryptophan metabolism in endogenous depression. Smith DF, et al. **Pharmacopsychiatria** 1981 Jul;14(4):135–8

Relationship between urinary free cortisol and CSF opioid binding activity in depressed patients and normal volunteers. Rubinow DR, et al. **Psychiatry Res** 1981 Aug; 5(1):87–93

Central cholinergic–adrenergic imbalance in the regulation of affective state [letter] Siever LJ, et al. **Psychiatry Res** 1981 Aug;5(1):108–9

Kinetics of L-tryptophan in depressive patients: a possible correlation between the plasma concentrations of L-tryptophan and some psychiatric rating scales. Hoes MJ, et al. **Psychopharmacology (Berlin)** 1981;75(4):350–3

[Depression: clinical aspects] Mendlewicz. **Arch Belg Med Soc** 1981 Feb;39(2):96–102 **(Fre)**

[Therapeutic implications of the biochemical features about depressive illness (author's transl)] Lôo H. **Encephale** 1981; 7(4 Suppl):429–40 (62 ref.) (Eng. Abstr.) **(Fre)**

[Monoaminergic hypothesis of depression and classification of antidepressants] Dresse A. **Rev Med Liege** 1981 Apr 1;36(7):272–5 **(Fre)**

[Monoamines and endogenous depression. Biochemical and pharmacological aspects] Scuvée-Moreau J, et al. **Rev Med Liege** 1982 Jan 1;37(1):1–7 **(Fre)**

[Biochemical aspects of depression (author's transl)] Duchemin AM. **Sem Hop Paris** 1981 Apr 18–25; 57(15–16):745–50 (Eng. Abstr.) **(Fre)**

[Psycho-endocrinology in affective disorders (author's transl)] Soulairac A. **Sem Hop Paris** 1981 Apr 18–25; 57(15–16):761–7 (Eng. Abstr.) **(Fre)**

[Catecholaminergic and serotoninergic systems in depression] Puzhin'skiĭ S, et al. **Vestn Akad Med Nauk SSSR** 1982; (1):66–8 (Eng. Abstr.) **(Rus)**

MORTALITY

Excess mortality in panic disorder. A comparison with primary unipolar depression. Coryell W, et al. **Arch Gen Psychiatry** 1982 Jun;39(6):701–3

Communication of suicidal intent and suicide in unipolar depression. A forty year follow-up. Tsuang MT, et al. **J Affective Disord** 1979 Sep;1(3):219–25

OCCURRENCE

Childhood depression: the outcome. Poznanski E. **Acta Paedopsychiatr (Basel)** 1981 Feb;46(5–6):297–304

Seasonal variation in depressive disorders and suicidal deaths in New South Wales. Parker G, et al. **Br J Psychiatry** 1982 Jun;140:626–32

Untreated depression in a working population. Hoenig J, et al. **Int J Soc Psychiatry** 1982 Summer;28(2):129–36

The epidemiology of late life depression. Blazer D. **J Am Geriatr Soc** 1982 Sep;30(9):587–92

The role of age in the relationship of gender and marital status to depression. Ensel WM. **J Nerv Ment Dis** 1982 Sep;170(9):536–43

Symptoms of depression among blacks and whites in an urban community. Roberts RE, et al. **J Nerv Ment Dis** 1981 Dec; 169(12):774–9

Depression among incarcerated delinquents. Kashani JH, et al. **Psychiatry Res** 1980 Oct;3(2):185–91

types of stressful life event and the onset of anxiety and depressive disorders. Finlay-Jones R, et al. **Psychol Med** 1981 Nov;11(4):803–15

Are we entering an age of melancholy? Depressive illnesses in a prospective epidemiological study over 25 years: the Lundby Study, Sweden. Hagnell O, et al. **Psychol Med** 1982 May;12(2):279–89

[Depression- epidemiology and priorities for future research (author's transl)] Sartorius N. **Encephale** 1981;7(4 Suppl):527–33 (Eng. Abstr.) **(Fre)**

[Epidemiology of depression (author's transl)] Sadoun R, et al. **Sem Hop Paris** 1981 Apr 18–25;57(15–16):780–5 (Eng. Abstr.) **(Fre)**

[Epidemiologic profile of depressive disorders. Apropos of 639 cases admitted to the Razi Hospital during the last 10 years] Ammar S, et al. **Tunis Med** 1981 Jul–Aug; 59(4):301–6 (Eng. Abstr.) **(Fre)**

[Depressive patients in institutional treatment. 1st results of an epidemiologic study of the Weissenauer Depression Ward] Wolfersdorf M, et al. **Psychiatr Clin (Basel)** 1981; 14(4):226–44 (Eng. Abstr.) **(Ger)**

PHYSIOPATHOLOGY

Insulin tolerance test (ITT) in depressive patients. Berić A, et al. **Acta Med Iugosl** 1982;36(2):123–9

TSH, HGH, HPr, and cortisol response to TRH in depressed patients. Ramseier F, et al. **Acta Psychiatr Belg** 1980 Jul–Aug;80(4):399–409

A neurochemical theory of appetite and weight changes in depressive states. Hopkinson G. **Acta Psychiatr Scand** 1981 Sep;64(3):217–25

Neuroendocrine abnormalities in depressive illness. Brambilla F, et al. **Adv Biochem Psychopharmacol** 1982;32:329–40

A possible role of opioid substances in depression. Emrich HM. **Adv Biochem Psychopharmacol** 1982;32:77–84 (39 ref.)

Evidence that the pathophysiology of depression and the mechanism of action of antidepressant drugs both involve alterations in circadian rhythms. Goodwin FK, et al. **Adv Biochem Psychopharmacol** 1982;32:1–11 (42 ref.)

Tricyclic antidepressants and EEG sleep in depressed patients. Kupfer DJ. **Adv Biochem Psychopharmacol** 1982; 32:269–79

Neuroendocrine mechanisms in the therapeutic effects of antidepressant drugs: the 'thyroid-axis' hypothesis. Langer G, et al. **Adv Biochem Psychopharmacol** 1982;32:297–302

Hormonal interference in experimental models of depression. Scapagnini U, et al. **Adv Biochem Psychopharmacol** 1982; 32:281–7

Hypersensitive serotonergic receptors: a new hypothesis for one subgroup of unipolar depression derived from an animal model. Aprison MH, et al. **Adv Exp Med Biol** 1981; 133:627–56

REM sleep and depression: common neurobiological control mechanisms. McCarley RW. **Am J Psychiatry** 1982 May; 139(5):565–70

Cholinergic regulation of mood and REM sleep: potential model and marker of vulnerability to affective disorder. Sitaram N, et al. **Am J Psychiatry** 1982 May;139(5):571–6

Variability of hormonal responses to a series of neuroendocrine challenges in depressed patients. Winokur A, et al. **Am J Psychiatry** 1982 Jan;139(1):39–44

Serotonergic activity in man as a function of pain, pain mechanisms, and depression. Ghia JN, et al. **Anesth Analg (Cleve)** 1981 Dec;60(12):854–61

Application of automated REM analysis in depression. Kupfer DJ, et al. **Arch Gen Psychiatry** 1982 May; 39(5):569–73

Sleep architecture and REM sleep measures in prepubertal children with major depression: a controlled study. Puig-Antich J, et al. **Arch Gen Psychiatry** 1982 Aug; 39(8):932–9

Hypoalgesia in depressive illness. Ben-Tovim DI, et al. **Br J Psychiatry** 1981 Jan;138:37–9

Hypoalgesia in depressive illness [letter] Hanks GW. **Br J Psychiatry** 1981 Oct;139:364–5

Pupil studies in depressed patients: an investigation of the mechanism of action of desipramine. Shur E, et al. **Br J Psychiatry** 1982 Feb;140:181–4

Hemodynamics and bioelectric activity of the brain in depressive patients. Moldovanska P, et al. **Folia Med (Plovdiv)** 1981;23(1):18–25

Recovery of CNV area after nonresponse condition: inverted-U relation with arousal. Nakamura M, et al. **Folia Psychiatr Neurol Jpn** 1981;35(2):159–65

The QT interval in drug-free depressed patients. Rainey JM Jr, et al. **J Clin Psychiatry** 1982 May;43(5 Pt 2):39–40

Psychobiological markers in coexisting pain and depression: toward a unified theory. Ward NG, et al. **J Clin Psychiatry** 1982 Aug;43(8 Pt 2):32–41

Changes in visual evoked potentials by amitriptyline in patients with endogenous depression. Endo S, et al. **Nippon Ika Daigaku Zasshi** 1981 Feb;48(1):129–33

A comparison of EMG and SCL in normal and depressed subjects. Carney RM, et al. **Pavlov J Biol Sci** 1981 Oct–Dec;16(4):212–6

REM sleep, naps, and depression. Kupfer DJ, et al. **Psychiatry Res** 1981 Oct;5(2):195–203

Insulin tolerance test: human growth hormone response and insulin resistance in primary unipolar depressed, bipolar depressed and control subjects. Koslow SH, et al. **Psychol Med** 1982 Feb;12(1):45–55

Voice pitch measurements in schizophrenia and depression. Leff J, et al. **Psychol Med** 1981 Nov;11(4):849–52

[Endocrinological abnormalities in the neurotic states and in depression (author's transl)] Gregoire F, et al. **Acta Psychiatr Belg** 1980 Jul–Aug;80(4):383–98 (Eng. Abstr.) **(Fre)**

[Quantitative EEG in depression (author's transl)] Badr G, et al. **Encephale** 1981;7(4 Suppl):421–7 (Eng. Abstr.) **(Fre)**

[Mianserin, presynaptic receptor and biochemical model of depression of Tissot (author's transl)] Dereux JF. **Encephale** 1981;7(4 Suppl):399–400 (Eng. Abstr.) **(Fre)**

[Illness duration and age-repartition of depressive patients without treatment (author's transl)] Müller C, et al. **Encephale** 1981;7(3):243–50 (Eng. Abstr.) **(Fre)**

[Sleep and depression (author's transl)] Lairy GC. **Sem Hop Paris** 1981 Apr 18–25;57(15–16):755–9 (Eng. Abstr.) **(Fre)**

[Masked depression and paucisymptomatic depression (author's transl)] Olie JP, et al. **Sem Hop Paris** 1981 Nov 18–25;57(43–44):1849–53 (Eng. Abstr.) **(Fre)**

[A study on the visual evoked potentials in depressive patients (author's transl)] Onda H. **Nippon Ika Daigaku Zasshi** 1982 Apr;49(2):179–90 (Eng. Abstr.) **(Jpn)**

PREVENTION & CONTROL

The San Francisco Mood Survey Project; preliminary work toward the prevention of depression. Muñoz RF, et al. **Am J Community Psychol** 1982 Jun;10(3):317–29

Lithium prophylaxis of depression in unipolar, bipolar II, and cyclothymic patients. Peselow ED, et al. **Am J Psychiatry** 1982 Jun;139(6):747–52

Lithium carbonate and imipramine in the prophylaxis of unipolar and bipolar II illness: a prospective, placebo-controlled comparison. Kane JM, et al. **Arch Gen Psychiatry** 1982 Sep;39(9):1065–9

Poor prophylactic lithium response due to antidepressants. Reginaldi D, et al. **Int Pharmacopsychiatry** 1981;16(2):124–8

PSYCHOLOGY

Susceptibility to infective respiratory diseases in depressed children. Epidemiological survey of 126 subjects, clinical-therapeutic report of 61 cases. Cocchi R. **Acta Psychiatr Belg** 1981 Jul–Aug;81(4):350–65

Clinical forms of depression in African and Spanish cultural communities. A new comparative study. Hanck C, et al. **Acta Psychiatr Belg** 1981 Sep–Oct;81(5):437–43

Rating of anxiety, depression and vulnerability. The development of a new rating scale (The Anxiety and Depression Scale). Hassanyeh F, et al. **Acta Psychiatr Scand** 1981 Oct;64(4):301–13

Loss events preceding endogenous and neurotic depressions. Matussek P, et al. **Acta Psychiatr Scand** 1981 Oct; 64(4):340–50

Adversity and mental health: an empirical investigation of their relationship. Surtees PG, et al. **Acta Psychiatr Scand** 1981 Sep;64(3):177–92

Depressive illness presenting as monosymptomatic hallucination: a case report. Ifabumuyi OI. **Afr J Psychiatr** 1981 Jan–Apr;7(1–2):17–20

Endemic stress: the psychology of resignation and the politics of scarcity. Fried M. **Am J Orthopsychiatry** 1982 Jan; 52(1):4–19

Onset of depressive psychiatric crises and the menstrual cycle. Abramowitz ES, et al. **Am J Psychiatry** 1982 Apr; 139(4):475–8

Personality traits and disorder in depression. Charney DS, et al. **Am J Psychiatry** 1981 Dec;138(12):1601–4

'Double depression': superimposition of acute depressive episodes on chronic depressive disorders. Keller MB, et al. **Am J Psychiatry** 1982 Apr;139(4):438–42

Severe depressive pseudodementia with and without dementia. McAllister TW, et al. **Am J Psychiatry** 1982 May;139(5):626–9

Loss-induced depression in an adult macaque monkey. Rasmussen KL, et al. **Am J Psychiatry** 1982 May; 139(5):679–81

Coexistence of cognitive impairment and depression in geriatric outpatients. Reifler BV, et al. **Am J Psychiatry** 1982 May;139(5):623–6

Memory-learning impairments in progressive dementia and depression [letter] Weingartner H, et al. **Am J Psychiatry** 1982 Jan;139(1):135–6

Depression in abused and neglected children. Blumberg ML. **Am J Psychother** 1981 Jul;35(3):342–55

Psychopathologic patterns in depressed adolescents. Glaser K. **Am J Psychother** 1981 Jul;35(3):368–82

Hypochondriacal and psychosomatic disorders masking depression in adolescents. Lesse S. **Am J Psychother** 1981 Jul;35(3):356–67

Depression in childhood: a biopsychosocial perspective. Lewis M, et al. **Am J Psychother** 1981 Jul;35(3):323–9

Depression in borderline adolescents. Stone MH. **Am J Psychother** 1981 Jul;35(3):383–99

Depression and suicide in children: an overview. Toolan JM. **Am J Psychother** 1981 Jul;35(3):311–22

Verbal interaction patterns of depressed and non-depressed institutionalized mentally retarded adults. Schloss PJ. **Appl Res Ment Retard** 1982;3(1):1–12

Psychotic symptoms in prepubertal major depressive disorder. Chambers WJ, et al. **Arch Gen Psychiatry** 1982 Aug;39(8):921–7

Effort and cognition in depression. Cohen RM, et al. **Arch Gen Psychiatry** 1982 May;39(5):593–7

'Maternity blues' in East African clinic attenders. Harris B. **Arch Gen Psychiatry** 1981 Nov;38(11):1293–5

Diagnosis and symptoms of depression in opiate addicts. Course and relationship to treatment outcome. Rounsaville BJ, et al. **Arch Gen Psychiatry** 1982 Feb;39(2):151–6

Postpsychotic depressive symptoms in hospitalized schizophrenic patients. Siris SG, et al. **Arch Gen Psychiatry** 1981 Oct;38(10):1122–3

Showing that life events are a cause of depression--a review. Finlay-Jones R. **Aust NZ J Psychiatry** 1981 Sept; 15(3):229–38

Depression, restraint and eating behavior. Frost RO, et al. **Behav Res Ther** 1982;20(2):113–21

Depression and engagement in a residential home for the elderly. Simpson S, et al. **Behav Res Ther** 1981;19(5):435–8

Prediction of suicidal behaviors. Kovacs M. **Bibl Psychiatr** 1982;162:61–76

Biochemical and psychopathological predictors of suicidality. van Praag HM. **Bibl Psychiatr** 1982;162:42–60

Controllability of an aversive stimulus in depressed patients and health controls: a study using slow brain potentials. Bolz J, et al. **Biol Psychiatry** 1981 May;16(5):441–52

Distribution of REM latency in depression. Coble PA, et al. **Biol Psychiatry** 1981 May;16(5):453–66

Speech pause time: a marker of psychomotor retardation among endogenous depressives. Greden JF, et al. **Biol Psychiatry** 1981 Sep;16(9):851–9

REM sleep abnormalities in depression: a test of the phase-advance hypothesis. Knowles JB, et al. **Biol Psychiatry** 1982 May;17(5):605–9

Neuropsychological dysfunction in schizophrenia and affective disease. Taylor MA, et al. **Biol Psychiatry** 1981 May;16(5):467–78

Sex differences in the reporting of symptoms of depression in the general population. Byrne DG. **Br J Clin Psychol** 1981 Jun;20(Pt 2):83–92

A further analysis of memory loss in dementia and depression in the elderly. Gibson AJ. **Br J Clin Psychol** 1981 Sep;20(Pt 3):179–85

Cognitive style in depressed and recovered depressed patients. Wilkinson IM, et al. **Br J Clin Psychol** 1981 Nov; 20(Pt 4):283–92

A study of depression and obsessionality in dysmorphophobic and psoriatic patients. Hardy GE, et al. **Br J Psychiatry** 1982 Jan;140:19–22

Psychological change in neurotic depression: a repertory grid and personal construct theory approach. Hewstone M, et al. **Br J Psychiatry** 1981 Jul;139:47–51

Identification of the endogenous depressive syndrome based on the symptoms and the characteristics of the course. Matussek P, et al. **Br J Psychiatry** 1981 May;138:361–72

The relation between contextual and reported threat due to life events: a controlled study. Ndetei DM, et al. **Br J Psychiatry** 1981 Dec;139:540–4

Polyglottism and depression [letter] Rihmer Z. **Br J Psychiatry** 1982 May;140:550

Depression after childbirth [letter] **Br Med J [Clin Res]** 1982 Mar 27;284(6320):980–1

Depression in aphasic patients: frequency, severity, and clinical–pathological correlations. Robinson RG, et al. **Brain Lang** 1981 Nov;14(2):282–91

The language of depression. Bucci W, et al. **Bull Menninger Clin** 1981 Jul;45(4):334–58

Women and depression [letter] Emanuel E. **Can J Psychiatry** 1981 Jun;26(4):290–1

Depressive syndromes in grossly obese women. Hopkinson G, et al. **Can J Psychiatry** 1982 Apr;27(3):213–5

A trouble in the brain–mind: self–description of a depressive episode. Lehmann HE. **Can J Psychiatry** 1982 Apr; 27(3):216–7

Parent–child relationships and adult depression. Crook T, et al. **Child Dev** 1981 Sep;52(3):950–7

Secondary depression in anxiety disorders. Dealy RS, et al. **Compr Psychiatry** 1981 Nov–Dec;22(6):612–8

Social class and depressive symptomatology. Ayuso–Gutiérrez JA, et al. **Int J Soc Psychiatry** 1981 Winter;27(4):297–9

Psychosocial factors in later life depression. Ayuso–Gutiérrez JL, et al. **Int J Soc Psychiatry** 1982 Summer;28(2):137–40

Diurnal variation in clinical depression and accessibility of memories of positive and negative experiences. Clark DM, et al. **J Abnorm Psychol** 1982 Apr;91(2):87–95

Depression and coping in stressful episodes. Coyne JC, et al. **J Abnorm Psychol** 1981 Oct;90(5):439–47

The development of the self–schema in adult depression. Davis H 4th, et al. **J Abnorm Psychol** 1981 Apr; 90(2):125–33

Helplessness and depression in end–stage renal disease. Devins GM, et al. **J Abnorm Psychol** 1981 Dec; 90(6):531–45

Self–reinforcement and recall: differential deficits in depressed and nondepressed psychiatric inpatients. Gotlib IH. **J Abnorm Psychol** 1981 Dec;90(6):521–30

Self–reinforcement and depression in interpersonal interaction: the role of performance level. Gotlib IH. **J Abnorm Psychol** 1982 Feb;91(1):3–13

Depression and attributional style: interpretations of important personal events. Harvey DM. **J Abnorm Psychol** 1981 Apr;90(2):134–42

The prototype as a construct in abnormal psychology: 2. Clarifying disagreement in psychiatric judgments. Horowitz LM, et al. **J Abnorm Psychol** 1981 Dec; 90(6):575–85

The prototype as a construct in abnormal psychology. I. A method for deriving prototypes. Horowitz LM, et al. **J Abnorm Psychol** 1981 Dec;90(6):568–74

Depression–related cognitions: antecedent or consequence? Lewinsohn PM, et al. **J Abnorm Psychol** 1981 Jun; 90(3):213–9

Effects of attributions for success on the alleviation of learned helplessness and depression. Miller IW 3d, et al. **J Abnorm Psychol** 1981 Apr;90(2):113–24

Depressed and nondepressed inpatients' cognitions of hypothetical events, experimental tasks, and stressful life events. Miller IW 3d, et al. **J Abnorm Psychol** 1982 Feb; 91(1):78–81

Attributional style among depressed patients. Raps CS, et al. **J Abnorm Psychol** 1982 Apr;91(2):102–8

Nocturnal temperature in affective disorder. Avery DH, et al. **J Affective Disord** 1982 Mar;4(1):61–71

Adversity and the nature of psychiatric disorder in the community. Bebbington PE, et al. **J Affective Disord** 1981 Dec;3(4):345–66

Disease, distress and depression. A comment. Brown GW, et al. **J Affective Disord** 1982 Mar;4(1):1–8

Depression in young women who have attempted suicide. An international replication study. Goldney RD, et al. **J Affective Disord** 1981 Dec;3(4):327–37

Studies in the relationship between depressive disorders and anxiety states. Part 2. Clinical items. Mountjoy CQ, et al. **J Affective Disord** 1982 Jun;4(2):149–61

Studies in the relationship between depressive disorders and anxiety states. Part 1. Rating scales. Mountjoy CQ, et al. **J Affective Disord** 1982 Jun;4(2):127–47

The distinction of primary and secondary affective disorders. Clinical implications. Reveley AM, et al. **J Affective Disord** 1981 Sep;3(3):273–9

Phenomenology and subtypes of major depressive disorder in adolescence. Strober M, et al. **J Affective Disord** 1981 Sep;3(3):281–90

Depression in children and adolescents with cardiovascular symptomatology: the significance of chest pain. Kashani JH, et al. **J Am Acad Child Psychiatry** 1982 Mar;21(2):187–9

An experimental study of psychoanalytic theories of depression. Slipp S, et al. **J Am Acad Psychoanal** 1981 Oct; 9(4):583–600

Attachment, loss, and depression. Reite M, et al. **J Child Psychol Psychiatry** 1981 Apr;22(2):141–69

Factors associated with incomplete recovery in primary depressive illness. Akiskal HS. **J Clin Psychiatry** 1982 Jul; 43(7):266–71

Daytime sleepiness in depression. Claghorn JL, et al. **J Clin Psychiatry** 1981 Sep;42(9):342–3

Measurement of depression in clinical trials: an overview. Hughes JR, et al. **J Clin Psychiatry** 1981 Mar;43(3):85–8

Frontal lobe meningioma and depression. Lahmeyer HW. **J Clin Psychiatry** 1982 Jun;43(6):254–5

Depression vs. pseudodepression in dementia. Morstyn R, et al. **J Clin Psychiatry** 1982 May;43(5):197–9

The CIP battery: identification of depression in a juvenile delinquent population. Cole E, et al. **J Clin Psychol** 1981 Oct;37(4):880–4

Locus of control and depression in students and psychiatric outpatients. Costello EJ. **J Clin Psychol** 1982 Apr; 38(2):340–3

Cognitive processes in depression. Davis S. **J Clin Psychol** 1982 Jan;38(1):125–9

Norms, reliability, and item analysis of the Hopelessness Scale in general psychiatric, forensic psychiatric, and college populations. Durham TW. **J Clin Psychol** 1982 Jul; 38(3):597–600

Correlates of depression in the elderly: sex differences and similarities. Hale WD. **J Clin Psychol** 1982 Apr;38(2):253–7

Phenomenological perceptions of parental evaluations in depressed and nondepressed college students. Johnson JE, et al. **J Clin Psychol** 1982 Jan;38(1):56–62

MMPI correlates of affective disorders. Silver RJ, et al. **J Clin Psychol** 1981 Oct;37(4):836–9

Vocal indicators of psychiatric treatment effects in depressives and schizophrenics. Tolkmitt F, et al. **J Commun Disord** 1982 Jun;15(3):209–22

Effects of pleasant–activities manipulation on depression. Biglan A, et al. **J Consult Clin Psychol** 1982 Jun;50(3):436–8

Dependency and self–criticism: psychological dimensions of depression. Blatt SJ, et al. **J Consult Clin Psychol** 1982 Feb;50(1):113–24

Depression, schizophrenia, and social attraction. Boswell PC, et al. **J Consult Clin Psychol** 1981 Oct;49(5):641–7

Perception of social interactions in depressed psychiatric patients. Hoehn–Hyde D, et al. **J Consult Clin Psychol** 1982 Apr;50(2):209–12

Utility of the Beck Depression Inventory with psychiatrically hospitalized adolescents. Strober M, et al. **J Consult Clin Psychol** 1981 Jun;49(3):482–3

Depression, nondepression, and cognitive illusions: reply to Schwartz. Abramson LY, et al. **J Exp Psychol [Gen]** 1981 Sep;110(3):436–47

Helplessness, illusions, and depression: final comment. Schwartz B. **J Exp Psychol [Gen]** 1981 Sep;110(3):448–9

Does helplessness cause depression, or do only depressed people become helpless? Comment on Alloy and Abramson. Schwartz B. **J Exp Psychol [Gen]** 1981 Sep; 110(3):429–35

Depression: variability of intrapsychic aspects and of sleep parameters. Greenberg R, et al. **J Geriatr Psychiatry** 1980; 13(2):175–7

Depression in the elderly: research directions in psychopathology, epidemiology, and treatment. Weissman MM, et al. **J Geriatr Psychiatry** 1979;12(2):187–201

Family roles and sex differences in depression. Aneshensel CS, et al. **J Health Soc Behav** 1981 Dec;22(4):379–93

Sex differences in depression reexamined. Roberts RE, et al. **J Health Soc Behav** 1981 Dec;22(4):394–400

Chronic pain as a variant of depressive disease: the pain–prone disorder. Blumer D, et al. **J Nerv Ment Dis** 1982 Jul;170(7):381–406

Psychosis and depression arising in the midlife period. A comparison. Bowers MB Jr, et al. **J Nerv Ment Dis** 1981 Dec;169(12):769–73

Losses, Hostility, and depression. Fava GA, et al. **J Nerv Ment Dis** 1982 Aug;170(8):474–8

Depression and social adjustment among chronic schizophrenic outpatients. Glazer W, et al. **J Nerv Ment Dis** 1981 Nov;169(11):712–7

Comments on 'Chronic pain as a variant of depressive disease: the pain–prone disorder'. Merskey HA. **J Nerv Ment Dis** 1982 Jul;170(7):409–11

Comments on 'Chronic pain as a variant of depressive disease: the pain–prone disorder'. Nachemson A. **J Nerv Ment Dis** 1982 Jul;170(7):423

Comments on 'Chronic pain as a variant of depressive disease: the pain–prone disorder'. Pilowsky I. **J Nerv Ment Dis** 1982 Jul;170(7):407–8

Comments on 'Chronic pain as a variant of depressive disease: the pain–prone disorder'. Rosenbaum JF. **J Nerv Ment Dis** 1982 Jul;170(7):412–4

Comments on 'Chronic pain as a variant of depressive disease: the pain–prone disorder'. Sifneons PE. **J Nerv Ment Dis** 1982 Jul;170(7):420–1

Comments on 'Chronic pain as a variant of depressive disease: the pain–prone disorder'. Walker AE. **J Nerv Ment Dis** 1982 Jul;170(7):424

Comments on 'Chronic pain as a variant of depressive disease: the pain–prone disorder'. Winokur G. **J Nerv Ment Dis** 1982 Jul;170(7):422

Unemployment and depressive affect: a motivational and attributional analysis. Feather NT, et al. **J Pers Soc Psychol** 1981 Sep;41(3):422–36

Depression and self–reinforcement in a public and a private setting. Sacco WP, et al. **J Pers Soc Psychol** 1982 Feb; 42(2):377–85

Self–esteem discrepancies and depression. Schafer RB, et al. **J Psychol** 1981 Sep;109(First Half):43–9

Personal and psychophysiological characteristics associated with puerperal mental state. Little BC, et al. **J Psychosom Res** 1981;25(5):385–93

Factors associated with the appearance of psychiatric symptoms in rheumatoid arthritis. Mindham RH, et al. **J Psychosom Res** 1981;25(5):429–35

Mental symptoms, weight changes, and electrolyte excretion in the first post partum week. Stein G, et al. **J Psychosom Res** 1981;25(5):395–408

Sex–role identification in women alcoholics and depressives. Schwab–Bakman N, et al. **J Stud Alcohol** 1981 Jul; 42(7):654–60

Right hemisphere involvement in learning disability, attention deficit disorder, and childhood major depressive disorder. Brumback RA, et al. **Med Hypotheses** 1982 May; 8(5):505–14

Personality styles and antidepressants. Young GG. **Ohio State Med J** 1982 May;78(5):337–8, 341, 344–5 passim

A further parametric study of imipramine in an animal model of depression. Katz RJ, et al. **Pharmacol Biochem Behav** 1982 Jun;16(6):969–72

Animal model of depression: tests of three structurally and pharmacologically novel antidepressant compounds. Katz RJ, et al. **Pharmacol Biochem Behav** 1982 Jun;16(6):973–7

Further analysis of the specificity of a novel animal model of depression—effects of an antihistaminic, antipsychotic and anxiolytic compound. Katz RJ, et al. **Pharmacol Biochem Behav** 1982 Jun;16(6):979–82

Animal model of depression: pharmacological sensitivity of a hedonic deficit. Katz RJ. **Pharmacol Biochem Behav** 1982 Jun;16(6):965–8

A doctor's depression. **Practitioner** 1981 Nov; 225(1361):1692–3

The psychobiology of depressive disorders: from pathophysiology to predisposition. Depue RA, et al. **Prog Exp Pers Res** 1981;10:1–114 (436 ref.)

The course of depression for different types of schizophrenia. Strian F, et al. **Psychiatr Clin (Basel)** 1981;14(4):205–14

Memory loss and aging. Distinguishing dementia from benign senescent forgetfulness and depressive pseudodementia. La Rue A. **Psychiatr Clin North Am** 1982 Apr;5(1):89–103

Themes of endogenous and nonendogenous depressions. Matussek P, et al. **Psychiatry Res** 1981 Dec;5(3):235–42

Social factors associated with depression: a retrospective community study. Costello CG. **Psychol Med** 1982 May; 12(2):329–39

Social network characteristics of hospitalized depressed patients. Brim J, et al. **Psychol Rep** 1982 Apr;50(2):423–33

Structure of depression in alcoholic men: a partial replication. Steer RA, et al. **Psychol Rep** 1982 Jun;50(3 Pt 1):723–8

Patterns of feedback EEG response and control in depressed patient. Danesino A, et al. **Psychophysiology** 1982 Jan; 19(1):71–4

Folic acid deficiency and depression [letter] Botez MI. **Psychosomatics** 1982 Jan;23(1):63–4

Psychological symptoms preceding diagnosed myasthenia gravis. Emery EJ, et al. **Psychosomatics** 1981 Nov; 22(11):993–5

Psychogenic vomiting associated with depression. Haggerty JJ Jr, et al. **Psychosomatics** 1982 Jan;23(1):91–5

Diabetic patients and the impact of renal transplantation. Peterson LG, et al. **Psychosomatics** 1982 Feb;23(2):173–85

Aphanisis: the syndrome of pseudo–depression in chronic schizophrenia. McGlashan TH. **Schizophr Bull** 1982; 8(1):118–34

The depressed adolescent and the family. Lewis JM. **Tex Med** 1981 Dec;77(12):40–3

[Comparative results of the treatment of anxiety in the depressive syndrome with Tolvon, Vivalan and Alival] Ivanov V, et al. **Agressologie** 1981 Nov;22(D):29–30 **(Fre)**

[Analysis of precipitating factors in a sample of patients hospitalized for endogenous depression] Ayuso Gutierrez JL, et al. **Ann Med Psychol (Paris)** 1981 Jul;139(7):759–69 (Eng. Abstr.) **(Fre)**

[Factorial analysis of the Hamilton depression scale, II.] Dreyfus JF, et al. **Ann Med Psychol (Paris)** 1981 Apr; 139(4):446–53 (Eng. Abstr.) **(Fre)**

[Interactions between depression and anxiety (author's transl)] Ballus C. **Encephale** 1981;7(4 Suppl):335–7 (Eng. Abstr.) **(Fre)**

[Senescence and melancholia (author's transl)] Bertin C, et al. **Encephale** 1981;7(4 Suppl):353–60 (Eng. Abstr.) **(Fre)**

[Aspects of depression (author's transl)] Ernst J. **Encephale** 1981;7(4 Suppl):339–41 (Eng. Abstr.) **(Fre)**

[Anxiety, depression and the pathology of emotion (author's

transl)] Laborit H. **Encephale** 1982;8(2):299–314 (Eng. Abstr.) **(Fre)**

[The limits of depressive illness (author's transl)] Roth M. **Encephale** 1981;7(4 Suppl):315–33 (Eng. Abstr.) **(Fre)**

[Phenomenology of depression (author's transl)] Tatossian A. **Encephale** 1981;7(4 Suppl):361–6 (Eng. Abstr.) **(Fre)**

[Depression: definition, evaluation, classification] Bobon DP. **Rev Med Liege** 1982 Jan 1;37(1):8–13 **(Fre)**

[What should be said to a depressed patient's family? (author's transl)] Lempérière T, et al. **Sem Hop Paris** 1982 Mar 25; 58(12):735–8 **(Fre)**

[Depression in childhood from the standpoint of developmental psychology] Eggers C. **Acta Paedopsychiatr (Basel)** 1981 Feb;46(5–6):263–73 (Eng. Abstr.) **(Ger)**

[Psychometry of depression in patients undergoing haemodialysis (author's transl)] Klein HE, et al. **Arch Psychiatr Nervenkr** 1981;230(4):339–49 (Eng. Abstr.) **(Ger)**

[The psychodynamic basis of depressive states (author's transl)] Benedetti G. **Nervenarzt** 1981 Nov;52(11):621–8 **(Ger)**

[Depressive pseudodementia and Alzheimer's disease – a pilot study (author's transl)] Kral VA. **Nervenarzt** 1982 May; 53(5):284–6 **(Ger)**

[Depression and addiction (author's transl)] Kraus A. **Nervenarzt** 1981 Nov;52(11):629–34 **(Ger)**

[Depressive states in schizophrenic in-patients on admission and at discharge (author's transl)] Möller HJ, et al. **Nervenarzt** 1981 Sep;52(9):525–30 **(Ger)**

[Reliability and validity of the Visual Analogue Scale (VAS) (author's transl)] Fähndrich E, et al. **Pharmacopsychiatria** 1982 May;15(3):90–4 (Eng. Abstr.) **(Ger)**

[Psychotherapy with aged people (author's transl)] Mayer G. **Psychother Psychosom Med Psychol** 1982 Jul; 32(4):118–21 (Eng. Abstr.) **(Ger)**

[Effects of sleep-deprivation on the mood of phasic depressive and healthy subjects: an empirical study (author's transl)] Bühler KE, et al. **Schweiz Arch Neurol Neurochir Psychiatr** 1980; 127(2):309–22 **(Ger)**

[Interaction analyses of depressive and non-depressive patients and their social partners] Hautzinger M, et al. **Z Exp Angew Psychol** 1982;29(2):246–63 (Eng. Abstr.) **(Ger)**

[Examination of depressive patients who complained discomfort of throat (author's transl)] Miyoshi A. **Nippon Jibiinkoka Gakkai Kaiho** 1981 Dec 20;84(12):1562–9 (Eng. Abstr.) **(Jpn)**

[Four case studies of the neurotic state in chronic unipolar depression (author's transl)] Abe T, et al. **Seishin Shinkeigaku Zasshi** 1981;83(6):357–71 (Eng. Abstr.) **(Jpn)**

[Features of memorization disorders in different variants of endogenous depression] Dragunskaia LS. **Zh Nevropatol Psikhiatr** 1981;81(12):1854–8 (Eng. Abstr.) **(Rus)**

REHABILITATION

A controlled study of satisfaction among psychobiology research patients. Kalman TP, et al. **Am J Psychiatry** 1982 Mar;139(3):344–7

Successful psychotherapy with a deaf–mute patient [letter] Solomon JG. **Am J Psychiatry** 1981 Dec;138(12):1635–6

Changes in perceptual asymmetries with clinical improvement of depression and schizophrenia. Johnson O, et al. **J Abnorm Psychol** 1982 Feb;91(1):45–54

Initial 6-month follow-up of patients with major depressive disorder. A preliminary report from the NIMH collaborative study of the psychobiology of depression. Shapiro RW, et al. **J Affective Disord** 1981 Sep;3(3):205–20

Imagery elaboration and clarity in modifying college students' depression. Gold SR, et al. **J Clin Psychol** 1982 Apr;38(2):312–4

Effects of cognitive and behavioral group treatment on the depressive symptomatology of Puerto Rican women. Comas-Díaz L. **J Consult Clin Psychol** 1981 Oct; 49(5):627–32

Differences between social skills therapists and psychotherapists in treating depression. Greenwald DP, et al. **J Consult Clin Psychol** 1981 Oct;49(5):757–9

Treatment of depression among Cuban American elders: some validational evidence for a life enhancement counseling approach. Szapocznik J, et al. **J Consult Clin Psychol** 1981 Oct;49(5):752–4

Major depressive disorder. Initial results from a one-year prospective naturalistic follow-up study. Keller MB, et al. **J Nerv Ment Dis** 1981 Dec;169(12):761–8

Operant treatment of depression: a case study. McDonald L, et al. **Psychol Rep** 1981 Aug;49(1):327–33

Management of childhood depression: developmental considerations. Bemporad JR. **Psychosomatics** 1982 Mar; 23(3):272–9

[Sleep deprivation therapy of depressive syndromes in schizophrenic disorders (author's transl)] Fähndrich E. **Nervenarzt** 1982 May;53(5):279–93 **(Ger)**

THERAPY

Electroconvulsive therapy: a comparison of seizure duration as monitored with electroencephalograph and electromyograph. Sørensen P, et al. **Acta Psychiatr Scand** 1981 Sep;64(3):193–8

Duration of REM sleep latency as predictor of effect of antidepressant therapy. A preliminary report. Svendsen K, et al. **Acta Psychiatr Scand** 1981 Sep;64(3):238–43

Maintenance of therapeutic effects of total sleep deprivation by limitation of subsequent sleep. A pilot study. van Bemmel AL, et al. **Acta Psychiatr Scand** 1981 May; 63(5):453–62

The interaction of drug abuse and depression in an adolescent girl. Caper RA. **Adolesc Psychiatry** 1981;9:467–76

RDC endogenous depression as a predictor of response to antidepressant drugs and psychotherapy. Klerman GL, et al. **Adv Biochem Psychopharmacol** 1982;32:165–74

Social skills training compared with pharmacotherapy and psychotherapy in the treatment of unipolar depression. Bellack AS, et al. **Am J Psychiatry** 1981 Dec; 138(12):1562–7

ECT use for a patient with malignant hyperthermia. Franks RD, et al. **Am J Psychiatry** 1982 Aug;139(8):1065–6

Side effects of relaxation treatment. Jacobsen R, et al. **Am J Psychiatry** 1982 Jul;139(7):952–3

Efficacy of therapies for depression [letter] Melges FT. **Am J Psychiatry** 1981 Nov;138(11):1513

Standard versus individual treatment for research subjects [letter] Overley TM. **Am J Psychiatry** 1982 Jul;139(7):968–9

Comparison of the effects of cognitive therapy and pharmacotherapy on hopelessness and self-concept. Rush AJ, et al. **Am J Psychiatry** 1982 Jul;139(7):862–6

Treating depression in schizophrenic patients. Seeman MV, et al. **Am J Psychother** 1982 Jan;36(1):14–22

Recovery in major depressive disorder: analysis with the life table and regression models. Keller MB, et al. **Arch Gen Psychiatry** 1982 Aug;39(8):905–10

Behavioural approaches to depression. McConaghy N. **Aust NZ J Psychiatry** 1981 Sept;15(3):217–22

Combined pharmacological and behavioural treatment of depression. Wilson PH. **Behav Res Ther** 1982;20(2):173–84

Depression and suicide prevention. Sainsbury P. **Bibl Psychiatr** 1982;162:17–32

REM latency and temperature in affective disorder before and after treatment. Avery D, et al. **Biol Psychiatry** 1982 Apr;17(4):463–70

Cognitive behaviour therapy and depression. Goddard A. **Br J Hosp Med** 1982 Mar;27(3):248, 250, 253

The efficacy of cognitive therapy in depression: a treatment trial using cognitive therapy and pharmacotherapy, each alone and in combination. Blackburn IM, et al. **Br J Psychiatry** 1981 Sep;139:181–9

Lithium continuation therapy following electroconvulsive therapy. Coppen A, et al. **Br J Psychiatry** 1981 Oct; 139:284–7

Benzodiazepines and effectiveness of ECT [letter] D'Elia G. **Br J Psychiatry** 1982 Mar;140:322–3

Placebo-controlled studies of ECT [letter] Mendelson G. **Br J Psychiatry** 1982 Mar;140:322

Psychotherapy with depressed outpatients: patient and process variables as predictors of outcome. Rounsaville BJ, et al. **Br J Psychiatry** 1981 Jan;138:67–74

Post operative depressive stupor requiring ECT [letter] Thomas CJ, et al. **Br J Psychiatry** 1982 Jan;140:103–4

Cognitive therapy for depression [editorial] Goldberg D. **Br Med J [Clin Res]** 1982 Jan 16;284(6310):143–4

Electroconvulsive therapy in patients on anticoagulants. Alexopoulos GS, et al. **Can J Psychiatry** 1982 Feb; 27(1):46–8

Sleep deprivation: outcome of controlled single case studies of depressed patients. Knowles JB, et al. **Can J Psychiatry** 1981 Aug;26(5):330–3

Follow-up study of memory deficits after ECT. Shellenberger W, et al. **Can J Psychiatry** 1982 Jun; 27(4):325–9

Therapies of depression. Rosen H. **Curr Psychiatr Ther** 1981; 20:301–11

Monitored electroconvulsive therapy. An alternative to conventional methods. Clemmesen L, et al. **Dan Med Bull** 1981 Oct;28(5):193–6

ECT: underused and misunderstood. Kalinowsky LB. **Hosp Community Psychiatry** 1982 Jun;33(6):425

Drama therapy for the elderly in a day care center. Mazor R. **Hosp Community Psychiatry** 1982 Jul;33(7):577–9

A review of the use of electroconvulsive therapy. O'Connell RA. **Hosp Community Psychiatry** 1982 Jun;33(6):469–73

Treatment of unipolar depression following electroconvulsive therapy. Relapse rate comparisons between lithium and tricyclics therapies following ECT. Perry P, et al. **J Affective Disord** 1979 Jun;1(2):123–9

An operant reinforcement method of treating depression. Azrin NH, et al. **J Behav Ther Exp Psychiatry** 1981 Jun; 12(2):145–51

A -comparison of multiple and single electroconvulsive therapy. Berens ES, et al. **J Clin Psychiatry** 1982 Apr; 43(4):126–8

The identification and management of patients with a high risk for cardiac arrhythmias during modified ECT. Gerring JP, et al. **J Clin Psychiatry** 1982 Apr;43(4):140–3

Positive group efficacy in adolescent treatment. Rosenstock HA, et al. **J Clin Psychiatry** 1982 Feb;43(2):58–61

Cost effectiveness of individual vs. group cognitive behavior therapy for problems of depression and anxiety in an HMO population. Shapiro J, et al. **J Clin Psychol** 1982 Jul; 38(3):674–7

Identification of therapist differences in a group treatment for depression. Antonuccio DO, et al. **J Consult Clin Psychol** 1982 Jun;50(3):433–5

Psychotic vs. nonpsychotic depression: comparison of treatment response. Brown RP, et al. **J Nerv Ment Dis** 1982 Oct;170(10):635–7

Cognitive-behavior therapy for chronically depressed patients. A controlled pilot study. Harpin RE, et al. **J Nerv Ment Dis** 1982 May;170(5):295–301

Recognition and management of depression in the elderly. Finlayson RE, et al. **Mayo Clin Proc** 1982 Feb;57(2):115–20

A role for amines in the antidepressant effect of exercise: a review. Ransford CP. **Med Sci Sports Exerc** 1982; 14(1):1–10 (97 ref.)

Motor reactivity, pain threshold and effects of sleep deprivation in unipolar depressives. Bezzi G, et al. **Psychiatr Clin (Basel)** 1981;14(3):150–60

Electroconvulsive therapy in the medically ill patient. Bidder TG. **Psychiatr Clin North Am** 1981 Aug;4(2):391–405 (60 ref.)

Biological perspectives in chronic pain, depression, and organic mental disorders. Murphy MF, et al. **Psychiatr Clin North Am** 1981 Aug;4(2):223–37 (112 ref.)

Electroconvulsive therapy in the elderly patient. Salzman C. **Psychiatr Clin North Am** 1982 Apr;5(1):191–7

Differential psychotherapy outcome among depressed and impulsive patients as a function of analytic and experiential treatment procedures. Beutler LE, et al. **Psychiatry** 1981 Nov;44(4):297–306

Hypothalamic–pituitary–adrenal axis abnormality and ECT response. Coryell W. **Psychiatry Res** 1982 Jun;6(3):283–91

Effects of sleep deprivation on depressed patients of different nosological groups. Fähndrich E. **Psychiatry Res** 1981 Dec; 5(3):277–85

Dexamethasone nonsuppression predicts the antidepressant effects of sleep deprivation. Nasrallah HA, et al. **Psychiatry Res** 1982 Feb;6(1):61–64

Effects of rationales for therapy on perceptions of clinical depression. Wollersheim JP, et al. **Psychol Rep** 1982 Feb; 50(1):314

Clinical prediction of ECT response in depressed patients. Abrams R. **Psychopharmacol Bull** 1982 Apr;18(2):48–50

ECT and tricyclic antidepressants in the treatment of endogenous depression. Abrams R. **Psychopharmacol Bull** 1982 Apr;18(2):73–5

Predictors of outcome in convulsive therapy. Fink M. **Psychopharmacol Bull** 1982 Apr;18(2):50–7

Convulsive therapy: a risk–benefit analysis. Fink M. **Psychopharmacol Bull** 1982 Apr;18(2):110–6

Factors affecting outcome after successful electroconvulsive therapy. Haskett RF. **Psychopharmacol Bull** 1982 Apr; 18(2):75–8

Relevance of neuroendocrine strategies for electroconvulsive therapy research. Haskett RF, et al. **Psychopharmacol Bull** 1982 Apr;18(2):57–62

Electroconvulsive therapy update. Small JG, et al. **Psychopharmacol Bull** 1981 Oct;17(4):29–42 (114 ref.)

The role of stimulus waveform in therapeutic and adverse effects of ECT. Weiner RD. **Psychopharmacol Bull** 1982 Apr;18(2):71–2

[Critical factors in cognitive and behavioral treatments of depression (author's transl)] Fontaine O, et al. **Acta Psychiatr Belg** 1981 May–Jun;81(3):245–63 (Eng. Abstr.) **(Fre)**

[Depression: psychotherapeutic viewpoint] Cassiers L. **Arch Belg Med Soc** 1981 Feb;39(2):87–95 **(Fre)**

[Theory and cognitive treatment of depressive states] Wilmotte J, et al. **Arch Belg Med Soc** 1981 Feb;39(2):103–12 **(Fre)**

[Psychoanalytic psychotherapy in a hospital milieu] Reid W. **Can J Psychiatry** 1981 Oct;26(6):421–5 (Eng. Abstr.) **(Fre)**

[Therapists and therapeutic choice (author's transl)] Ayme J. **Encephale** 1981;7(4 Suppl):507–11 (Eng. Abstr.) **(Fre)**

[Biological foundations for the use of sleep privation in the treatment of depression (author's transl)] Mouret J. **Encephale** 1982;8(2):229–55 (Eng. Abstr.) **(Fre)**

[Depression. Treatment] Hougardy G. **Rev Med Liege** 1982 Jan 1;37(1):14–6 **(Fre)**

[Principal aspects of depression and their therapy] Scotto JC. **Sem Hop Paris** 1981 Oct 18–25;57(39–40):1660–3 **(Fre)**

[The depressive syndrome. 4: Lithium; further forms of therapy, specialties] Faust V, et al. **Fortschr Med** 1982 Mar 11;100(10):403–8 **(Ger)**

[The depressive syndrome. 3: Special rules for treatment] Faust V, et al. **Fortschr Med** 1982 Mar 4;100(9):355–8 **(Ger)**

[Depression--somatization--suicide. 3. Principles of somatologic and psychotherapeutic treatment in ambulatory practice. 1. Basis of therapy] Hertrich O. **Fortschr Med** 1981 Sep 3;99(33):1296–300 **(Ger)**

[Antidepressive effect of partial sleep deprivation during the 1st half of the night] Goetze U, et al. **Psychiatr Clin (Basel)** 1981;14(3):129–49 (Eng. Abstr.) **(Ger)**

[The effect of the therapeutic milieu in the psychiatric hospital on the communication behavior of discharged psychiatric patients with one another] Choinitzki J, et al. **Psychiatr Neurol Med Psychol (Leipz)** 1982 May; 34(5):270–5 (Eng. Abstr.) **(Ger)**

[Guide-lines to the rehabilitation of patients with

neurological disorders, especially stroke (author's transl)] Barolin GS. **Wien Klin Wochenschr** 1982 Jan 8;94(1):19–24 (Eng. Abstr.) **(Ger)**

[Prognostic criteria in institutional group psychotherapy of neurotically depressed and compulsive neurotic patients] Schwarz F. **Z Psychosom Med Psychoanal** 1982;28(1):30–51 (Eng. Abstr.) **(Ger)**

[Depression in childhood] Weitzman A, et al. **Harefuah** 1981 May 15;100(10):479–81 **(Heb)**

[Elements of Dalcroze rhythmics in the treatment of endogenous depressive syndromes (author's transl)] Rajewski A, et al. **Psychiatr Pol** 1981 Jul–Dec; 15(4–6):393–8 (Eng. Abstr.) **(Pol)**

URINE

Is urinary MHPG a real predictor of drug response in primary depression? Cazzulo CL, et al. **Adv Biochem Psychopharmacol** 1982;32:237–47

High correlation of norepinephrine and its major metabolite excretion rates. Linnoila M, et al. **Arch Gen Psychiatry** 1982 May;39(5):521–3

Biotransformation of amitriptyline in depressive patients: urinary excretion of seven metabolites. Vandel B, et al. **Eur J Clin Pharmacol** 1982;22(3):239–45

Excretion of 3-methoxy-4-hydroxyphenylglycol in depressed and geriatric patients and normal persons. Hollister LE. **Int Pharmacopsychiatry** 1981;16(3):138–43

Depressive symptom patterns and urinary MHPG excretion. Agren H. **Psychiatry Res** 1982 Apr;6(2):185–96

MHPG excretion and EEG sleep in primary depression. Kupfer DJ, et al. **Psychiatry Res** 1980 Oct;3(2):133–40

The clinical significance of disordered renal excretion of xanthurenic acid in depressive patients. Hoes MJ, et al. **Psychopharmacology (Berlin)** 1981;75(4):346–9

DEPRESSIVE SYMPTOMS see **DEPRESSION**

DEPTH PERCEPTION

Perceived relative depth from velocity gradients: a model. Braunstein ML, et al. **Acta Psychol (Amst)** 1981 Aug; 48(1–3):195–201

Vernier acuity and stereopsis with discontinuously moving stimuli. Morgan MJ. **Acta Psychol (Amst)** 1981 Aug; 48(1–3):57–67

A neglected problem: kinetic size constancy. Noguchi K, et al. **Acta Psychol (Amst)** 1981 Aug;48(1–3):187–94

Binocular facilitation in the visual-evoked potential of strabismic amblyopes. Apkarian P, et al. **Am J Optom Physiol Opt** 1981 Oct;58(10):820–30

Interocular transfer of a visual aftereffect in different kinds of strabismus. Buzzelli AR. **Am J Optom Physiol Opt** 1981 Dec;58(12):1199–206

Stereoacuity tests: comparison of mathematical equivalents. Fagin RR, et al. **Am J Optom Physiol Opt** 1982 May; 59(5):427–35

Measurement of interpupillary distance with chromostereopsis. McCormack G, et al. **Am J Optom Physiol Opt** 1982 Jan;59(1):60–6

A new method of measuring vergence limits: the rotatory grid technique. Sheni DD, et al. **Am J Optom Physiol Opt** 1982 Mar;59(3):240–8

Neurons in cat visual cortex tuned to the direction of motion in depth: effect of stimulus speed. Regan D, et al. **Invest Ophthalmol Vis Sci** 1982 Apr;22(4):535–50

Binocular versus monocular acuity in a patient with latent nystagmus. Dorman K. **J Am Optom Assoc** 1982 Jun; 53(6):485–6

Binocular visual acuity--legal and ethical consideration. Hallak J. **J Am Optom Assoc** 1982 Jun;53(6):487–8

Separation relative to length determines the organization of two lines into a unit. Gillam B. **J Exp Psychol [Hum Percept]** 1981 Aug;7(4):884–9

The effect on form perception of change of orientation in the third dimension. Rock I, et al. **J Exp Psychol [Hum Percept]** 1981 Aug;7(4):719–32

Depth sense aesthesiometry: an advance in the clinical assessment of sensation in the hands. Smaje JC, et al. **J Neurol Neurosurg Psychiatry** 1981 Oct;44(10):950–6

The relationship between clinical stereotests. Hall C. **Ophthalmic Physiol Opt** 1982;2(2):135–43

Stereoscopic constancy scaling with aniseikonic lenses. Morrison LC, et al. **Ophthalmic Physiol Opt** 1981; 1(2):67–78

Strabismus surgery and its effect upon infant development in congenital esotropia. Rogers GL, et al. **Ophthalmology (Rochester)** 1982 May;89(5):479–83

Relationship between depth perception and basketball-shooting performance over a competitive season. Isaacs LD. **Percept Mot Skills** 1981 Oct;53(2):554

Distance cues and depth avoidance on the visual cliff. Morrison PR. **Percept Mot Skills** 1982 Jun;54(3 Pt 2):1195–8

Perception of slant under reduced viewing conditions. Reinhardt-Rutland AH. **Percept Mot Skills** 1981 Aug; 53(1):146

The relationship between texture gradient and perceived slant-in-depth: direct or mediated? Epstein W. **Perception** 1982;10(6):695–702

False perspectives. Gillam B. **Perception** 1981;10(3):313–8

Research on monocular depth perception between 1884 and 1914: influence of the German Unfallversicherungsgesetz and of the jurisdiction of the Reichsversicherungsamt. Hell W. **Perception** 1982;10(6):683–94

A note on the basis of reversed perspective. Moray G, et al. **Perception** 1982;10(6):703–5

Random-curve stereograms: a flexible tool for the study of binocular vision. Ninio J. **Perception** 1981;10(4):403–10

Adaptation to the reversal of binocular depth cues: effects of wearing left-right reversing spectacles on stereoscopic depth perception. Shimojo S, et al. **Perception** 1981; 10(4):391–402

Depth perception in linear and inverse perspective pictures. Topper DR, et al. **Perception** 1981;10(3):305–12

Early surgical alignment for congenital esotropia. Ing MR. **Trans Am Ophthalmol Soc** 1981;79:625–63 (65 ref.)

Similarities between motion parallax and stereopsis in human depth perception. Rogers B, et al. **Vision Res** 1982; 22(2):261–70

[Why test for retinal correspondence?] Roth A, et al. **Annee Ther Clin Ophtalmol** 1980;31:63–79 (Eng. Abstr.) **(Fre)**

PHYSIOLOGY

Reliability of fixation disparity curves. Cooper J, et al. **Am J Optom Physiol Opt** 1981 Nov;58(11):960–4

The course and effect of visual training on the vergence system. Daum KM. **Am J Optom Physiol Opt** 1982 Mar; 59(3):223–7

The persistence of dichoptically presented grating patterns. Fresco BB, et al. **Am J Optom Physiol Opt** 1982 Apr; 59(4):318–29

Human response to cyclofusional stimuli containing depth cues. Hampton DR, et al. **Am J Optom Physiol Opt** 1982 Jan;59(1):21–7

Prentice-Memorial Lecture: Is the animal model for stimulus deprivation amblyopia in children valid or useful? Marg E. **Am J Optom Physiol Opt** 1982 Jun;59(6):451–64 (107 ref.)

Brock's research in stereopsis. Wittenberg S. **Am J Optom Physiol Opt** 1981 Aug;58(8):663–6

Binocular neurons and cyclopean visually evoked potentials in monkey and man. Julesz B, et al. **Ann NY Acad Sci** 1982;388:37–44

Depth perception, eye alignment and cortical ocular dominance of dark-related cats. Kaye M, et al. **Brain Res** 1981 Aug;254(1):37–53

Depth perception by means of ambient sounds in a small mammal. Etienne AS, et al. **Experientia** 1982 May 15; 38(5):553–5

Development of binocular depth perception in kittens. Timney B. **Invest Ophthalmol Vis Sci** 1981 Sep;21(3):493–6

Interocular luminance differences and the binocular pattern-reversal visual-evoked response. Trick GL, et al. **Invest Ophthalmol Vis Sci** 1982 Mar;22(3):394–401

Nonmotor component of fusional response to vertical disparity: a second look using an afterimage method. Duwaer AL. **J Opt Soc Am** 1982 Jul;72(7):871–7

Mechanisms of static and dynamic stereopsis in foveal cortex of the rhesus monkey. Poggio GF, et al. **J Physiol (Lond)** 1981 Jun;315:469–92

A computational model of binocular depth perception. Mayhew JE, et al. **Nature** 1982 Jun 3;297(5865):376–8

Finely graded binocular disparities from random-dot stereograms. Reading RW, et al. **Ophthalmic Physiol Opt** 1982;2(1):47–56

Pursuit eye movements and the depth-movement phenomenon in dynamic visual noise. Leguire LE. **Perception** 1981;10(3):295–8

Chromostereopsis. Allen RC, et al. **Surv Ophthalmol** 1981 Jul–Aug;26(1):22–7

Amblyopia and cortical binocularity. Ikeda H, et al. **Trans Ophthalmol Soc UK** 1980;100(4):450–2

A simple explanation of the induced size effect. Arditi A, et al. **Vision Res** 1981;21(6):755–64

Stereoacuity development for crossed and uncrossed disparities in human infants. Birch EE, et al. **Vision Res** 1982;22(5):507–13

Spatial frequency channels tuned for depth and motion. Chase W, et al. **Vision Res** 1981;21(5):621–5

Monocular sensitivity during binocular viewing. Cogan AI. **Vision Res** 1982;22(1):1–16

The effect of presentation time on detection and diplopia thresholds for vertical disparities. Duwaer AL, et al. **Vision Res** 1982;22(1):183–9

Interocular transfer of the motion aftereffect in strabismus. Keck MJ, et al. **Vision Res** 1982;22(1):55–60

Limits of the pigeon's binocular field and direction for best binocular viewing. Martinoya C, et al. **Vision Res** 1981; 21(7):1197–200

Spatio-temporal averaging and the dynamic visual noise stereophenomenon. Neill RA. **Vision Res** 1981;21(5):673–82

Is the binocular rivalry mechanism tritanopic? Rogers DC, et al. **Vision Res** 1982;22(5):515–20

Spatio-temporal properties of Panum's fusional area. Schor CM, et al. **Vision Res** 1981;21(5):683–92

A stereoscopic presentation of the Hermann Grid. Troscianko T. **Vision Res** 1982;22(4):485–9

Spatial frequency response and perceived depth in the time-course of object superiority. Williams MC, et al. **Vision Res** 1981;21(5):631–46

[Birth of the concept of fusion and correspondence of retinal images] Berrondo P. **Bull Soc Ophtalmol Fr** 1981 Nov; 81(11):969–71 **(Fre)**

[Quantitative measurement of stereopsis by liquid crystal phase difference haploscope (author's transl)] Kawamura M, et al. **Nippon Ganka Gakkai Zasshi** 1981 Jun 10; 85(6):548–55 (Eng. Abstr.) **(Jpn)**

DEQUALINIUM see under **QUINOLINIUM COMPOUNDS**

DERCUM'S DISEASE see **ADIPOSIS DOLOROSA**

DERMABRASION

Amniotic membranes as dressings following facial dermabrasion. Kucan JO, et al. **Ann Plast Surg** 1982 Jun; 8(6):523–7

Stripping of the stratum corneum in patients with psoriasis: production of prepinpoint papules and psoriatic lesions. Jablonska S, et al. **Arch Dermatol** 1982 Sep;118(9):652–7

Dermabrasion for lichen amyloidosus. Report of a long-term study. Wong CK, et al. **Arch Dermatol** 1982 May; 118(5):302–4

Dermabrasion: an effective treatment for acne and its aftermath. **Hume B. Colo Med** 1981 Apr;78(4):115–6

Dermabrasion vs 5-FU for actinic damage [letter] Field LM. **J Am Acad Dermatol** 1982 Feb;6(2):269–71

The treatment of giant hairy naevi by dermabrasion in the first few weeks of life. Case reports. Chait LA, et al. **S Afr Med J** 1981 Oct 10;60(15):593–4

[Electron microscopic study of the capillaries of the dermal papillary layer in the cystic form of rosacea at various times after dermabrasion] Delektorskiĭ VV, et al. **Vestn Dermatol Venerol** 1981 Jun;(6):8–13 (Eng. Abstr.) **(Rus)**

ADVERSE EFFECTS

Untoward effect of a face peel: toxic shock syndrome [news] Korcok M. **JAMA** 1982 Jul 2;248(1):23

METHODS

Abrasive cleansing in the management of acne vulgaris. Fulghum DD, et al. **Arch Dermatol** 1982 Sep;118(9):658–9

Dermabrasion of lesions of adenoma sebaceum. Eichmann F, et al. **J Dermatol Surg Oncol** 1981 Nov;7(11):884–7

[High-speed grinding treatment of papillary hyperplasia] Härle F, et al. **Dtsch Zahnarztl Z** 1981 May;36(5):286–7 (Eng. Abstr.) **(Ger)**

[Dermabrasion - indications and technics] Ibrulj-Prohić D, et al. **Med Arh** 1981;35(5–6):277–9 **(Ser)**

DERMACENTOR see under **TICKS**

DERMAL SINUS see **NEURAL TUBE DEFECTS**

DERMATAN SULFATE see under **CHONDROITIN**

DERMATITIS

Newer findings in granulomatous inflammation. Epstein WL. **Nippon Hifuka Gakkai Zasshi** 1982 Feb;92(3):305–16 **(Eng, Jpn)**

COMPLICATIONS

Ear dermatitis, lactose intolerance, and eczema [letter] Kirschenbaum MB. **Arch Dermatol** 1981 Sep;117(9):523

Gonococcal arthritis-dermatitis syndrome. Study of serum and synovial fluid immune complex levels. Manicourt DH, et al. **Arthritis Rheum** 1982 May;25(5):574–8

Hypereosinophilic dermatitis. A distinct manifestation of the hypereosinophilic syndrome with response to dapsone. Nir MA, et al. **Dermatologica** 1981;162(6):444–50

[Association of Hodgkin's disease and linear IGA dermatosis (letter)] Vignon D, et al. **Nouv Presse Med** 1982 Feb 20; 11(8):603–4 **(Fre)**

DIAGNOSIS

Outbreak of tropical rat mite dermatitis in laboratory personnel. Fox JG. **Arch Dermatol** 1982 Sep;118(9):676–8

Autoimmune progesterone dermatitis. Georgouras K. **Australas J Dermatol** 1981 Dec;22(3):109–12

What is perioral dermatitis? Wilkinson D. **Int J Dermatol** 1981 Sep;20(7):485–6

[What is your diagnosis? Disseminated gonorrheal arthritis (arthritis-dermatitis-syndrome)] Werner GT. **Med Klin [Prax]** 1982 Mar 12;77(6):56, 66 **(Ger)**

[Use of reflected ultraviolet rays for the photorecording of dermatoses] Knigovskiĭ AM. **Vestn Dermatol Venerol** 1982 Apr;(4):36–9 **(Rus)**

DRUG THERAPY

Inefficacy of topical methoxalen plus UVA for palmoplantar pustulosis. Jansén CT, et al. **Acta Derm Venereol (Stockh)** 1981;61(4):354–6

Triamcinolone acetonide spray (reformulated) in the treatment of topical steroid-responsive dermatoses. Goldner R. **Int J Dermatol** 1981 Dec;20(10):659–61

Use of the antihistamine Tavist in various dermatoses. **Pass CJ. Md State Med J** 1982 Mar;31(3):57–8

The treatment of perioral dermatitis, acne rosacea, and seborrheic dermatitis. Ellis CN, et al. **Med Clin North Am** 1982 Jul;66(4):819–30

[Are H2 antagonists useful in dermatology?] Diller G, et al. **Hautarzt** 1982 Jul;33(7):353–4 **(Ger)**

[Applied allergology, Part 16. External glucocorticosteroid therapy] Ring J. **MMW** 1982 Feb 26;124(8):93–8 **(Ger)**

[Therapy of various types of eczema, dermatitis and psoriasis vulgaris. Effect and tolerance of diflorason diacetate (Florone)] Bender E. **ZFA (Stuttgart)** 1982 Jan 20; 58(2):114–7 **(Ger)**

[Clinical trial of diflucortolone. Preliminary report] Hernańdez-Perez E. **Med Cutan Iber Lat Am** 1981; 9(3):229–32 (Eng. Abstr.) **(Spa)**

ENZYMOLOGY

[Lysosomal glycosidases, lactate dehydrogenase and creatine phosphokinase in experimental inflammation] Logunov AI, et al. **Vopr Med Khim** 1981 Sep–Oct;27(5):627–9 (Eng. Abstr.) **(Rus)**

ETIOLOGY

Dermatological problems in the work environment following childhood skin diseases. Rystedt I. **Acta Derm Venereol [Suppl] (Stockh)** 1981;95:43–6

Induction of leukochemotaxis, primary skin inflammation and local Shwartzman reaction by Neisseria gonorrhoeae extract. Sveen K, et al. **Acta Pathol Microbiol Immunol Scand [B]** 1982 Feb; 90(1):1–5

Red palms and orange palms [letter] Person JR. **Arch Dermatol** 1981 Dec;117(12):757

Factitial dermatitis as the presenting sign of multiple lentigines syndrome. Therapeutic effect of autodermabrasion. Shelley WB. **Arch Dermatol** 1982 Apr; 118(4):260–2

Hot nail factitial dermatitis. Menon PA, et al. **Cutis** 1982 May;29(5):486–7

Factitial Dermatitis--Cao Gio. Silfen E, et al. **Cutis** 1981 Oct;28(4):399–400

Bowel bypass syndrome. Simon SI, et al. **Cutis** 1981 Nov; 28(5):545–7, 550, 579

Zinc deficiency dermatosis in premature infants receiving prolonged parenteral alimentation. Arlette JP, et al. **J Am Acad Dermatol** 1981 Jul;5(1):37–42

Pseudomonas aeruginosa skin infections in persons using a whirlpool in Vermont. Vogt R, et al. **J Clin Microbiol** 1982 Apr;15(4):571–4

Recurrent inflammatory skin lesions complicating jejunoileal bypass. Qureshi MH. **J Tenn Med Assoc** 1982 Jan; 75(1):17–9

A case of dermatitis artefacta. Carew-McColl M, et al. **Practitioner** 1982 Jun;226(1368):1170–2

Possible role of prostaglandins (PGs) in scaly dermatosis. Ziboh VA, et al. **Prog Lipid Res** 1981;20:857–65

FAMILIAL & GENETIC

[Genodermatosis in a pair of brothers: Dowling-Degos, Grover, Darier, Hailey-Hailey or Galli-Galli disease?] Bardach H, et al. **Hautarzt** 1982 Jul;33(7):378–83 (Eng. Abstr.) **(Ger)**

IMMUNOLOGY

IgA-associated inhibition of polymorphonuclear leukocyte chemotaxis in neutrophilic dermatoses. Schröder JM, et al. **J Invest Dermatol** 1981 Dec;77(6):464–8

OCCURRENCE

Pediatric dermatoses and eradication in slums. Patel RB, et al. **Indian J Pediatr** 1982 Jan–Feb;49(396):135–9

PARASITOLOGY

Population studies on Austropeplea ollula (Gould), the snail intermediate host of dermatitis-producing avian schistosomes. 1. Seasonal changes in size of the snails in relation to the occurrence of paddy field dermatitis. Makiya K, et al. **Nagoya J Med Sci** 1982 Mar;44(3–4):47–55

PATHOLOGY

Re-evaluation of the effect of non-steroidal anti-inflammatory agents on u.v.-induced cutaneous inflammation. Woodward DF, et al. **Agents Actions** 1981 Dec;11(6–7):711–7

Wells' syndrome: recurrent granulomatous dermatitis with eosinophilia [letter] Burket JM. **Arch Dermatol** 1981 Dec; 117(12):759

Pigmented purpuric lichenoid dermatitis of Gougerot-Blum. Fishman HC. **Cutis** 1982 Mar;29(3):260–1,264

Chondrodermatitis nodularis chronica helicis. Bard JW. **Dermatologica** 1981;163(5):376–84

Measurement of cutaneous inflammation: estimation of neutrophil content with an enzyme marker. Bradley PP, et al. **J Invest Dermatol** 1982 Mar;78(3):206–9

A microscopic study of inflammatory reactions in human skin induced by histamine and compound 48/80. James MP, et al. **J Invest Dermatol** 1982 May;78(5):406–13

[Histopathologic study of perioral dermatitis] Ramelet AA, et al. **Dermatologica** 1981;163(5):361–9 (Eng. Abstr.) **(Fre)**

[Case of Werther-Dümling papulonecrotic dermatitis] Skripkin IuK, et al. **Vestn Dermatol Venerol** 1981 Nov; (11):55–7 **(Rus)**

PHYSIOPATHOLOGY

The effect of betamethasone dipropionate glycol ointment 0.05% (diprosone O.V.) on adrenocortical function. Downie DA, et al. **Australas J Dermatol** 1981 Dec; 22(3):113–8

Effect of H1-and H2-receptor antagonists on cutaneous inflammation evoked by histamine analogues and UV radiation. Woodward DF, et al. **Eur J Pharmacol** 1982 Jan 22;77(2–3):103–12

Chronologic aging alters the response to ultraviolet-induced inflammation in human skin. Gilchrest BA, et al. **J Invest Dermatol** 1982 Jul;79(1):11–5

[Prostaglandins, leukotrienes, anti-inflammatory substances and their importance in inflammatory reactions of the skin] Greaves MW. **Hautarzt** 1982 Mar;33(3):123–9 (30 ref.) (Eng. Abstr.) **(Ger)**

PREVENTION & CONTROL

[The problem of skin protection in closed plaster casts] Laabs WA. **Chirurg** 1982 May;53(5):339–41 **(Ger)**

THERAPY

[Syndets for the cleansing of healthy and diseased skin. Effect and dermatotherapeutic indications] Braun-Falco O, et al. **Ther Ggw** 1981 Nov;120(11):1028–45 **(Ger)**

VETERINARY

Dirofilarial dermatitis in dogs. Chakrabarti A, et al. **Vet Parasitol** 1982 Feb;9(3–4):277–80

[Cheyletiellosis in Belgium. Dermatitis due to Ch. yasguri (Smiley 1965) in the human and the dog] Famerée L, et al. **Schweiz Arch Tierheilkd** 1981 Nov;123(11):601–4 (Eng. Abstr.) **(Fre)**

[Anemia, involution of lymphatic tissues and dermatitis - observations on a new picture of disease in poultry fattening (author's transl)] Dorn P, et al. **DTW** 1981 Aug 5; 88(8):313–5 **(Ger)**

[Etiology of erythrodermatitis of the carp] Schulz D, et al. **Zentralbl Veterinarmed [B]** 1981;28(6):450–82 (Eng. Abstr.) **(Ger)**

DERMATITIS, ATOPIC

Atopic dermatitis. Berman BA, et al. **Cutis** 1982 Mar; 29(3):222,224, 228 passim

Atopic dermatitis. Hanifin JM. **J Am Acad Dermatol** 1982 Jan;6(1):1–13 (134 ref.)

[Atopic eczema] Salo OP. **Duodecim** 1981;97(9):588–95 **(Fin)**

BLOOD

Plasma aldosterone and cortisol levels in psoriasis and atopic dermatitis. van de Kerkhof PC. **Br J Dermatol** 1982 Apr; 106(4):423–7

[Spontaneous blastogenesis of peripheral blood l; ~phocytes and of mononuclear cells in the derma! infiltrate.. of atopic dermatitis (author's transl)] Van Neste D, et al. **Ann Dermatol Venereol** 1982;109(2):127–32 (Eng. Abstr.) **(Fre)**

[Blood level of prostaglandins in children with allergic dermatitis and combined variants of respiratory and skin allergy] Matus NI. **Pediatriia** 1982 Apr;(4):38–40 **(Rus)**

[Hemocoagulation indices in patients with eczema and foot mycosis with allergic manifestations] Korchma NL. **Vestn Dermatol Venerol** 1982 Apr;(4):48–51U **(Rus)**

CHEMICALLY INDUCED

Recurrent facial eczema in females due to 'strike anywhere' matches. Steele MC, et al. **Br J Dermatol** 1982 Apr; 106(4):477–9

Dogger bank itch (3). Isolation, structure determination and synthesis of a hapten. Carlé JS, et al. **Contact Dermatitis** 1982 Jan;8(1):43–7

Prognosis in nickel allergy and hand eczema. Christensen OB. **Contact Dermatitis** 1982 Jan;8(1):7–15

Allergic contact dermatitis from 4,7-dichloroquinoline. Pickering FC, et al. **Contact Dermatitis** 1982 Jul;8(4):269–70

Chromium in welding fumes. Zugerman C. **Contact Dermatitis** 1982 Jan;8(1):69–70

Cutaneous sensivity and systemic allergic manifestations of iodised contrast media. Sureka RK, et al. **Indian J Med Sci** 1981 Sep;35(9):201–4

Dogger bank itch. 4. An eczema-causing sulfoxonium ion from the marine animal, Alcyonidium gelatinosum [Bryozoa]. Carlé JS, et al. **Toxicon** 1982;20(1):307–10

[Role of small concentrations of pesticides in the development of allergies in green-house workers] Zolotnikova GP, et al. **Sov Med** 1982;(3):113–5 **(Rus)**

[Course of experimental allergic DNCB dermatitis with stimulation of the posterior hypothalamus] Burykina GN, et al. **Vestn Dermatol Venerol** 1981 Jun;(6):27–31 (Eng. Abstr.) **(Rus)**

[Occupational allergic dermatoses resulting from combined exposure to metal allergens and polymers in work with polymer cement compounds] Chmut VG. **Vestn Dermatol Venerol** 1982 Mar;(3):66–9 (Eng. Abstr.) **(Rus)**

[Clinical aspects of occupational dermatoses of construction workers] Gómez Orbaneja. **Actas Dermosifiliogr** 1981 Nov-Dec;72(11–12):581–8 (Eng. Abstr.) **(Spa)**

COMPLICATIONS

Infraorbital fold in atopic dermatitis. Uehara M. **Arch Dermatol** 1981 Oct;117(10):627–9

Immunoglobulin E and the eczema-asthma syndrome in early childhood. Gordon RR, et al. **Lancet** 1982 Jan 9; 1(8263):72–4

[Atopic dermatitis with persistent reaction to light and primary cutaneous amyloidosis] Amblard P, et al. **Ann Dermatol Venereol** 1982 109(3):265–8 **(Fre)**

[Atopic dermatitis and pox-virus superinfections (author's transl)] Dupré A, et al. **Ann Dermatol Venereol** 1981; 108(11):829–34 (Eng. Abstr.) **(Fre)**

[Netherton syndrome] Ferrer J. **Med Cutan Iber Lat Am** 1981; 9(4):251–4 (Eng. Abstr.) **(Spa)**

DIAGNOSIS

Clinical aspects of atopic dermatitis in childhood. Möller H. **Acta Derm Venereol [Suppl] (Stockh)** 1981;95:25–8

Hapten conjugation in the leucocyte migration inhibition test in allergic chromate eczema. Rytter M, et al. **Br J Dermatol** 1982 Feb;106(2):161–8

Atopic dermatitis. Hurwitz S. **Pediatr Ann** 1982 Feb; 11(2):237–45, 248–50

[Recent advances in atopic dermatitis (author's transl)] Venencie PY. **Ann Pediatr (Paris)** 1982 Jan;29(1):27–32 (Eng. Abstr.) **(Fre)**

[Recent advances in atopic dermatitis (authors's transl)] Venencie PY. **Sem Hop Paris** 1982 Jun 3;58(22):1392–7 **(Fre)**

[Staphylococcus aureus antigen in the diagnosis and treatment of children with allergic diseases] Kuznetsova NI, et al. **Pediatriia** 1981;(8):59–61 **(Rus)**

DIET THERAPY

Elemental diet in the management of severe eczema in childhood. Hill DJ, et al. **Clin Allergy** 1982 May; 12(3):313–5

DRUG THERAPY

Double-blind crossover trial comparing systemic chromosome-carboxylic acid with placebo in patients with atopic dermatitis. Kavli G, et al. **Allergy** 1981 Nov; 36(8):597–600

A controlled trial of oral sodium cromoglycate in atopic eczema. Atherton DJ, et al. **Br J Dermatol** 1982 Jun; 106(6):681–5

A double-blind trial of the H2 receptor antagonist cimetidine, and the H1 receptor antagonist promethazine hydrochloride in the treatment of atopic dermatitis. Foulds IS, et al. **Clin Allergy** 1981 Jul;11(4):319–23

A comparison of single and multiple applications of halcinonide cream. Sudilovsky A, et al. **Int J Dermatol** 1981 Nov;20(9):609–13

Atopic cataracts versus steroid cataracts. Castrow FF 2d. **J Am Acad Dermatol** 1981 Jul;5(1):64–6

Efficacy and tolerance of betamethasone dipropionate propylene glycol for resistant psoriasis and other resistant steroid-responsive dermatoses. Gutierrez Aldana G. **J Int Med Res** 1981;9(6):448–52

Atopic dermatitis due to food allergens. Cavagni G. **Practitioner** 1981 Nov;225(1361):1657–60

[Oral sodium cromoglycate. Effect on hyperglobulinemia E and atopic eczema in child (letter)] Henocq E. **Nouv Presse Med** 1981 Oct 24;10(38):3162 **(Fre)**

ENZYMOLOGY

[Changes in certain enzymes of anaerobic glycolysis and pentose cycle in atopic eczema (author's transl)] Buchtová L, et al. **Cesk Dermatol** 1982 Feb;57(1):23–6 (Eng. Abstr.) **(Cze)**

[Dynamics of lysosomal enzymes in patients with allergic dermatoses before and after high altitude climate therapy] Michailov P, et al. **Hautarzt** 1981 Aug;32(8):417–9 (Eng. Abstr.) **(Ger)**

ETIOLOGY

Allergological aspects of atopic eczema in children. Berg T. **Acta Derm Venereol [Suppl] (Stockh)** 1981;95:29–32

Atopic and non-atopic sensitivity in a large bakery. Popescu IG, et al. **Allergol Immunopathol (Madr)** 1981 Jul–Aug; 9(4):307–12

Cutaneous complications of orthopedic implants. A two-year prospective study. Kubba R, et al. **Arch Dermatol** 1981 Sep;117(9):554–60

Contact urticaria from cabbage (brassica). Calnan CD. **Contact Dermatitis** 1981 Sep;7(5):279

Eczematous eruption from oral diphenhydramine. Lawrence CM, et al. **Contact Dermatitis** 1981 Sep;7(5):276–7

Evolution of atopic dermatitis. Van Hecke E, et al. **Dermatologica** 1981;163(5):370–5

Carpet beetle dermatitis. Ahmed AR, et al. **J Am Acad Dermatol** 1981 Oct;5(4):428–32

First report of clinical manifestations with suspected immune pathogenesis caused by bromo-acetamide-2-chloro-5-benzophenone (BCB). Briatico-Vangosa G, et al. **Med Lav** 1981 May–Jun; 72(3):228–30

Skin reactions to bug bites as a result of xenodiagnosis. Costa CH, et al. **Trans R Soc Trop Med Hyg** 1981;75(3):405–8

[Allergic reactions to food additives (author's transl)] Girard

JP. **Praxis** 1981 Oct 20;70(43):1891–2 **(Fre)**

[Atopic eczema. Allergy, minimal immunologic deficiency or 'immuno-vegetative dysregulation'?] Ring J. **Dtsch Med Wochenschr** 1982 Apr 2;107(13):483–5 **(Ger)**

[Etiology and treatment of atopic dermatitis in the light of new data] Gendek H. **Pol Tyg Lek** 1981 Sep 14; 36(37):1447–50 (38 ref.) **(Pol)**

[Psychosomatic symptoms and disorders of bioelectrical activity of the brain in atopic dermatitis] Czubalski K, et al. **Przegl Dermatol** 1981 Mar–Apr;68(2):177–80 (Eng. Abstr.) **(Pol)**

[Fungi as 1 of the basic causes of eczematous body reactions] Iutskovskiĭ AD, et al. **Vestn Dermatol Venerol** 1981 Nov; (11):34–8 (Eng. Abstr.) **(Rus)**

FAMILIAL & GENETIC

[A syndrome: uncombable hair. Observation of 6 members of a family with pili canaliculi, associated with pili torti, progressive alopecia, atopic eczema and hamartomas] Braun-Falco O, et al. **Hautarzt** 1982 Jul;33(7):366–72 (Eng. Abstr.) **(Ger)**

IMMUNOLOGY

E-rosette formation of lymphocytes from patients with atopic dermatitis. Bjerring P, et al.
Acta Derm Venereol (Stockh) 1982;62(1):31–4

The T-cell deficiency in atopic disease and its relation to hyperproduction of IgE. Strannegård IL, et al.
Acta Derm Venereol [Suppl] (Stockh) 1981;95:20–4

The immunological status of children with atopic dermatitis. Beard LJ, et al. **Acta Paediatr Scand** 1981 Jul;70(4):551–5

Study of T-cell subpopulations defined by monoclonal antibodies in asthmatic children with or without atopic eczema and normals. Hsieh KH. **Ann Allergy** 1982 Jun; 48(6):345–8

Cell-mediated hypersensitivity to mite antigens in atopic dermatitis. Elliston WL, et al. **Arch Dermatol** 1982 Jan; 118(1):26–9

Natural cell-mediated cytotoxic activity in the peripheral blood of patients with atopic dermatitis. Kusaimi NT, et al. **Arch Dermatol** 1982 Aug;118(8):568–71

Staphylococcal and human dander IgE antibodies in superinfected atopic dermatitis. Hénocq E, et al.
Clin Allergy 1982 Mar;12(2):113–20

Immunoglobulin E antibodies to ingested cereal flour components: studies with sera from subjects with asthma and eczema. Sutton R, et al. **Clin Allergy** 1982 Jan; 12(1):63–74

Subpopulations of T lymphocytes and non-specific suppressor cell activity in patients with atopic dermatitis. Jensen JR, et al. **Clin Exp Immunol** 1981 Jul;45(1):118–23

Increased vasoactive mediator releasability: a possible pathogenic factor of atopic dermatitis. Ring J.
Int Arch Allergy Appl Immunol 1981;66 Suppl 1:156–8

Enumeration of T cell subsets in atopic dermatitis using monoclonal antibodies. Leung DY, et al.
J Allergy Clin Immunol 1981 Jun;67(6):450–5

Antistaphylococcal IgE in patients with atopic dermatitis. Abramson JS, et al. **J Am Acad Dermatol** 1982 Jul; 7(1):105–10

Identification of a 17-hydroxyprogesterone-binding immunoglobulin in the serum of a woman with periodic rashes. Cheesman KL, et al. **J Clin Endocrinol Metab** 1982 Sep;55(3):597–9

Cell-mediated cytotoxicity against skin fibroblasts in atopic dermatitis. Leung DY, et al. **J Immunol** 1982 Apr; 128(4):1736–41

Basophils in allergen-induced patch test sites in atopic dermatitis. Mitchell EB, et al. **Lancet** 1982 Jan 16; 1(8264):127–30

Immune mechanisms in atopic dermatitis. Leung DY, et al.
Springer Semin Immunopathol 1981;4(3):275–91 (97 ref.)

[Incidence and relevance of para-group allergy in hospitalized patients in Budapest in 1979 (author's transl)] Korossy S, et al. **Dermatol Monatsschr** 1981 Jul; 167(7):429–34 (Eng. Abstr.) **(Ger)**

[Atopic dermatitis in children (author's transl)] Erdmann G. **Monatsschr Kinderheilkd** 1981 Jan;129(1):4–12 (74 ref.) (Eng. Abstr.) **(Ger)**

[Evaluation of enzyme-linked fluorescence assay (author's transl)] Akiyama T. **Nippon Hifuka Gakkai Zasshi** 1981 Jul;91(8):847–53 **(Jpn)**

[Suppressor T cell function in atopic dermatitis (author's transl)] Amano M, et al. **Nippon Hifuka Gakkai Zasshi** 1981 Dec 15;91(14):1781–5 **(Jpn)**

[Study on the abnormal skin reactions of atopic dermatitis utilizing the skin window technique: macrophage and neutrophil migration (author's transl)] Take M.
Nippon Hifuka Gakkai Zasshi 1981 May;91(6):653–7 **(Jpn)**

[Various immunological indicators in patients with allergic dermatitis and systemic lupus erythematosus under the climatic conditions of Uzbekistan] Abidov MM, et al.
Vestn Dermatol Venerol 1982 Feb;(?):33–7 (Eng. Abstr.) **(Rus)**

METABOLISM

Peculiarities of serotonin metabolism during allergic reactions. Cibas P, et al. **Allergol Immunopathol (Madr)** 1982 Jan–Feb;10(1):17–24

Infrared-spectroscopic determination of the water content of the horny layer in healthy subjects and in patients suffering from atopic dermatitis. Gloor M, et al.
Arch Dermatol Res 1981;271(4):429–36

Evidence for histamine-mediated inhibition of monocyte chemotaxis in atopic dermatitis. deShazo RD, et al.
J Allergy Clin Immunol 1982 May;69(5):429–34

Catecholamines levels and parotid secretion in children with chronic atopic dermatitis. Crespi H, et al.
J Invest Dermatol 1982 Jun;78(6):493–7

MICROBIOLOGY

On the resident aerobic bacterial skin flora in unaffected skin of patients with atopic dermatitis and in healthy controls. Gloor M, et al. **Dermatologica** 1982 Apr;164(4):258–65

OCCURRENCE

Allergic disorders in urban and rural populations. Padegimas B, et al. **Allergol Immunopathol (Madr)** 1982 Mar–Apr; 10(2):121–4

PATHOLOGY

Allergic and toxic contact dermatitis: inflammatory cell subtypes in epicutaneous test reactions. Reitamo S, et al. **Br J Dermatol** 1981 Nov;105(5):521–7

PHYSIOPATHOLOGY

Reduced histamine reaction in atopic dermatitis. Uehara M. **Arch Dermatol** 1982 Apr;118(4):244–5

Porosity of human skin in vivo assessed via water loss, carbon dioxide loss and electrical impedance for healthy volunteers, atopic and psoriatic patients. de Jongh GJ.
Curr Probl Dermatol 1981;9:83–101

Induction of leukocytic infiltrates in rabbit skin by acetyl glyceryl ether phosphorylcholine. Humphrey DM, et al.
Lab Invest 1982 Sep;47(3):227–34

[Abnormal vasomotor, sudoral and sebaceous reactions in atopic dermatitis (author's transl)] Grosshans E, et al.
Ann Dermatol Venereol 1982;109(2):151–62 (65 ref.) (Eng. Abstr.) **(Fre)**

[Fluvographic research in atopic dermatitis during climatotherapy/North Sea (author's transl)] Pürschel W, et al. **Z Hautkr** 1982 Jan 1;57(1):38–46 (Eng. Abstr.) **(Ger)**

[Characteristics of the hemodynamic indices and peripheral microcirculation in occupational chromium allergoses] Iakovlev NA. **Gig Tr Prof Zabol** 1981 Aug;(8):47–8 **(Rus)**

[Adrenal cortex glucocorticoid function in occupational allergic dermatoses] Iagovdik NZ, et al.
Vestn Dermatol Venerol 1981 Jul;(7):32–6 **(Rus)**

[Mineralocorticoid function of the adrenal cortex in allergic dermatoses] Iagovdik NZ, et al. **Vestn Dermatol Venerol** 1981 Sep;(9):14–8 (Eng. Abstr.) **(Rus)**

PREVENTION & CONTROL

Breastfeeding amd eczema/asthma [letter] **Lancet** 1982 Apr 17;1(8277):910–1

PSYCHOLOGY

[Endogenic eczema in childhood. Etiopathogenesis from the view of psychosomatic medicine (author's transl)] Scheer P. **MMW** 1981 Oct 16;123(42):1571–4 (Eng. Abstr.) **(Ger)**

[Prediction of the occurrence of occupational drug and allergic dermatoses based on psychological examination data] Voronovitskaia LA, et al. **Vestn Dermatol Venerol** 1981 Nov;(11):50–5 (Eng. Abstr.) **(Rus)**

THERAPY

Therapeutic advances in atopic dermatitis. Rajka G.
Acta Derm Venereol [Suppl] (Stockh) 1981;95:33–5

[Allergy therapy in early childhood] Petru V.
Cesk Pediatr 1982 Mar;37(3):147–51 (Eng. Abstr.) **(Cze)**

DERMATITIS, CONTACT

The management of allergic contact dermatitis. Cronin E.
Clin Exp Dermatol 1982 May;7(3):281–3

Usefulness and limitations of various guinea-pig test methods in detecting human skin sensitizers-validation of guinea-pig tests for skin hypersensitivity. Marzulli F, et al.
Food Chem Toxicol 1982 Feb;20(1):67–74

[Contact dermatitis symposium] **Z Hautkr** 1981 May 15; 56(10):673–90 **(Ger)**

CHEMICALLY INDUCED

Skin pathology following epicutaneous exposure to seven organic solvents. Kronevi T, et al. **Int J Tissue React** 1981 Mar;3(1):21–30

[Taraxinic acid 1'-O-beta-D-glucopyranoside, the contact sensitizer of dandelion (Taraxacum officinale Wiggers) (author's transl)] Hausen BM. **Derm Beruf Umwelt** 1982; 30(2):51–3 (Eng. Abstr.) **(Ger)**

COMPLICATIONS

Delayed contact allergies in patients with photosensitivity dermatitis. Hannuksela M, et al.
Acta Derm Venereol (Stockh) 1981;61(4):303–6

Unusual complication of allergic contact dermatitis of the hands — recurrent lymphangitis and persistent lymphoedema. Lynde CW, et al. **Contact Dermatitis** 1982 Jul;8(4):279–80

The cutaneous type of Munchausen syndrome: a puzzling and perplexing condition to doctors. Tsuda S, et al.
J Dermatol (Tokyo) 1981 Jun;8(3):253–5

[Investigation of contact allergies in 100 cases of ulcus cruris (author's transl)] Le Roy R, et al. **Derm Beruf Umwelt** 1981; 29(6):168–70 (Eng. Abstr.) **(Fre)**

DIAGNOSIS

Human leukocyte mobilization and morphology in nickel contact allergy using a skin chamber technique. Lerche A, et al. **Acta Derm Venereol (Stockh)** 1981;61(6):517–23

Contact dermatitis in children. Hjorth N.
Acta Derm Venereol [Suppl] (Stockh) 1981;95:36–9

Oral tests in contact allergy to para-amino compounds. Angelini G, et al. **Contact Dermatitis** 1981 Nov;7(6):311–4

Associated nickel and cobalt contact dermatitis presenting as erythema multiforme. Cook LJ. **Contact Dermatitis** 1982 Jul;8(4):280–1

A comparison of three guinea-pig sensitization procedures for the detection of 19 reported human contact sensitizers. Goodwin BF, et al. **Contact Dermatitis** 1981 Sep; 7(5):248–58

Contact allergy to benzalkonium chloride in plaster of Paris. Lovell CR, et al. **Contact Dermatitis** 1981 Nov;7(6):343–4

Patch testing with balsam of Peru and fragrance mix. Lynde CW, et al. **Contact Dermatitis** 1982 Jul;8(4):274–7

Subacute parathion poisoning with erysipeloid-like lesion. Svindland HB. **Contact Dermatitis** 1981 Jul;7(4):177–9

Allergen replacement (alternatives) in the management of contact dermatitis. Fisher AA. **Cutis** 1981 Oct;28(4):368–70, 372

Inhibitory effect of transplanted syngeneic thymus fragments, thymus epithelium and thymocytes on the increased contact sensitivity reaction in the adult thymectomized mouse. Olafsson JH, et al. **Int Arch Allergy Appl Immunol** 1982 Jan;67(1):93–5

Patch testing--a recapitulation. Adams RM.
J Am Acad Dermatol 1981 Dec;5(6):629–46

Contact dermatitis as a surgical complication. Snyder RJ.
J Foot Surg 1982 Summer;21(2):153–5 (4 ref.)

Contact sensitivity in mice evaluated by means of ear swelling and a radiometric test. Bäck O, et al.
J Invest Dermatol 1982 Apr;78(4):309–12

[Some thoughts on the technique of epicutaneous tests (author's transl)] Novák M. **Cesk Dermatol** 1981 Aug; 56(4):235–8 (Eng. Abstr.) **(Cze)**

[Cactus dermatitis (author's transl)] Vakilzadeh F, et al.
Z Hautkr 1981 Oct 1;56(19):1299–301 (Eng. Abstr.) **(Ger)**

[Early manifestations of allergic dermatoses caused by contact with aminazine in medical workers] Abdrashitov ShG, et al. **Vestn Dermatol Venerol** 1982 Mar;(3):61–6 (Eng. Abstr.) **(Rus)**

[Leukocyte migration inhibition test in contact dermatitis] Macedo NA, et al. **Allergol Immunopathol (Madr)** 1981 Nov-Dec;9(6):519–26 (Eng. Abstr.) **(Spa)**

DRUG THERAPY

Suppression of DNCB-induced irritant dermatitis by colchicine. Miyachi Y, et al.
Acta Derm Venereol (Stockh) 1981;61(4):307–11

Effects of combination treatment with vitamins E and E on chloasma and pigmented contact dermatitis. A double blind controlled clinical trial. Hayakawa R, et al.
Acta Vitaminol Enzymol 1981;3(1):31–8

Effects of PUVA on delayed hypersensitivity in the guinea-pig. Austad J, et al. **Br J Dermatol** 1981 Dec; 105(6):641–4

Disulfiram treatment of three patients with nickel dermatitis. Christensen JD. **Contact Dermatitis** 1982 Mar;8(2):105–8

Treatment with disulfiram in chronic nickel hand dermatitis. Christensen OB, et al. **Contact Dermatitis** 1982 Jan; 8(1):59–63

Secondary polymorphic eruptions in allergic contact dermatitis. Meneghini CL, et al. **Dermatologica** 1981; 163(1):63–70

[Effect of the immunosuppressive agent batridene on contact allergic dermatitis induced by 2,4-dinitrochlorobenzene] Allamiiarova SA, et al. **Vestn Dermatol Venerol** 1982 Apr; (4):32–6 **(Rus)**

ENZYMOLOGY

Decreased lymphocyte aryl hydrocarbon hydroxylase and glutathione S-transferase activities in patients with hand dermatitis. Singh N, et al. **Acta Derm Venereol (Stockh)** 1982;62(1):61–3

ETIOLOGY

Sensitization capacity of polyester methacrylate in ultraviolet curing inks tested in the guinea pig. Björkner B.
Acta Derm Venereol (Stockh) 1982;62(2):153–4

Contact urticaria to wheat bran bath: a case report. Langeland T, et al. **Acta Derm Venereol (Stockh)** 1982; 62(1):82–3

Histamine receptor bearing suppressor cells in nickel sensitivity. Silvennoinen-Kassinen S.

Acta Derm Venereol (Stockh) 1982;62(3):251–3
Prolactin and contact sensitivity. Nagy E, et al. **Allergy** 1981 Aug;36(6):429–31
Another hazard of gold therapy? Fulton RA, et al. **Ann Rheum Dis** 1982 Feb;41(1):100–1
Allergic contact dermatitis caused by olive wood jewelry. Hausen BM, et al. **Arch Dermatol** 1981 Nov;117(11):732–4
Lymphadenoid structure induced by gold hypersensitivity. Iwatsuki K, et al. **Arch Dermatol** 1982 Aug;118(8):608–11
Contact dermatitis from cyanide plating solutions. Mathias CG. **Arch Dermatol** 1982 Jun;118(6):420–2
Diethyltoluamide–containing insect repellent: adverse effects in worldwide use. Reuveni H, et al. **Arch Dermatol** 1982 Aug;118(8):582–3
Immediate sunburn–like reaction in a patient with formaldehyde photosensitivity. Shelley WB. **Arch Dermatol** 1982 Feb;118(2):117–8
Ulcerative contact dermatitis caused by sodium silicate. Coexistence of primary irritant contact dermatitis and contact urticaria. Tanaka T, et al. **Arch Dermatol** 1982 Jul; 118(7):518–20
Seizures and dermatitis after exposure to caprolactam. Tuma SN, et al. **Arch Intern Med** 1981 Oct;141(11):1544–5
Coral dermatitis. Weedon D, et al. **Australas J Dermatol** 1981 Dec;22(3):104–5
Nickel sensitivity. Some dental implications. Basker RM. **Br Dent J** 1981 Dec 15;151(12):414–5
Allergy to dental amalgam. Duxbury AJ, et al. **Br Dent J** 1982 May 18;152(10):344–6 (32 ref.)
Nickel, hands and hip prostheses. Burrows D, et al. **Br J Dermatol** 1981 Oct;105(4):437–43
The inflammatory response to anthralin and its relation to aryl hydrocarbon hydroxylase. Kersey P, et al. **Br J Dermatol** 1981 Aug;105 Suppl 20:64–7
Contact dermatitis related to constituent of an orthopaedic wool. Staniforth P, et al. **Br Med J [Clin Res]** 1981 Nov 14;283(6302):1297
A possible case of delayed hypersensitivity to ethylene oxide. Boonk WJ, et al. **Clin Exp Dermatol** 1981 Jul;6(4):385–90
The Prosser–White oration 1980. Skin reactions to balsams and perfumes. Hjorth N. **Clin Exp Dermatol** 1982 Jan; 7(1):1–9
Contact sensitization to 2–monomethylol phenol in phenol formaldehyde resin as an example of the recognition and prevention of industrial dermatoses. Rycroft RJ. **Clin Exp Dermatol** 1982 May;7(3):285–90
Carbonless copy paper [letter] **Contact Dermatitis** 1981 Jul; 7(4):218–22
Allergic contact dermatitis to Maneb in a housewife. Adams RM, et al. **Contact Dermatitis** 1982 Jul;8(4):271
P–chloro–m–xylenol in cutting fluids: two cases of allergic contact dermatitis in machinists. Adams RM. **Contact Dermatitis** 1981 Nov;7(6):341–3
Allergic contact dermatitis due to o–phenylphenol. Adams RM. **Contact Dermatitis** 1981 Nov;7(6):332
Contact allergic purpura to wool dust. Agarwal K. **Contact Dermatitis** 1982 Jul;8(4):281–2
Formaldehyde contact allergy. Agathos M. **Contact Dermatitis** 1982 Jan;8(1):79–80
Bavarian tiger balm. Agathos M. **Contact Dermatitis** 1982 May;8(3):215
Ethylene oxide dermatitis. Alomar A, et al. **Contact Dermatitis** 1981 Jul;7(4):205–7
Occupational dermatitis from IPPD in tires. Ancona A, et al. **Contact Dermatitis** 1982 Mar;8(2):91–4
Mercury sensitivity in a dentist. Ancona A, et al. **Contact Dermatitis** 1982 May;8(3):218
Dermatitis from an azo–dye in industrial leather protective shoes. Ancona A, et al. **Contact Dermatitis** 1982 May; 8(3):220–1
Occupational irritant contact folliculitis associated with triphenyl tin fluoride (TPTF) exposure. Andersen KE, et al. **Contact Dermatitis** 1982 May;8(3):173–7
Contact allergy from propylene glycol. Angelini G, et al. **Contact Dermatitis** 1981 Jul;7(4):197–8
Compositae dermatitis. Current aspects. Arlette J, et al. **Contact Dermatitis** 1981 May;7(3):129–36
Modified Draize sensitization test with D&C yellow no. 10 in combination dye systems. Aust LB, et al. **Contact Dermatitis** 1981 Nov;7(6):357
Contact urticaria artefacta (witchcraft–syndrome). Bandmann HJ, et al. **Contact Dermatitis** 1982 May; 8(3):145–6
Colophony sensitivity—a regional variant. Barth JH. **Contact Dermatitis** 1981 May;7(3):165–6
A case of ramin wood sensitivity. Beck MH, et al. **Contact Dermatitis** 1982 Jan;8(1):74–5
Contact dermatitis and flare from food flavouring agents. Bedello PG, et al. **Contact Dermatitis** 1982 Mar;8(2):143–4
Contact allergy and depigmentation from alstroemeria. Björkner BE. **Contact Dermatitis** 1982 May;8(3):178–84
The dermatological hazards of bowling. Contact dermatitis to resin in a bowlsgrip. Blair C. **Contact Dermatitis** 1982 Mar;8(2):138–9
Nickel sensitization from ear piercing. Boss A, et al. **Contact Dermatitis** 1982 May;8(3):211–3
Contact dermatitis to phenylbutazone–piperazine suppositories (Carudol) and piperazine gel (Carudol). Brandão FM, et al. **Contact Dermatitis** 1982 Jul;8(4):264–5
Contact dermatitis to tromantadine hydrochloride. Brandao FM, et al. **Contact Dermatitis** 1982 Mar;8(2):140–1
Contact dermatitis from PTBP resin and tricresyl ethyl phthalate in a plastic nail adhesive. Burrows D, et al. **Contact Dermatitis** 1981 Nov;7(6):336–7
Contact dermatitis to hexylresorcinol. Burrows D, et al. **Contact Dermatitis** 1982 Jan;8(1):71
Quinazoline yellow dermatitis (D & C Yellow 11) in an eye cream. Calnan CD. **Contact Dermatitis** 1981 Sep;7(5):271
Monotertiary butyl hydroquinone in lipstick. Calnan CD. **Contact Dermatitis** 1981 Sep;7(5):280
Keloid formation after patch tests. Calnan CD. **Contact Dermatitis** 1981 Sep;7(5):279–80
Allergy to phenyl salicylate. Calnan CD, et al. **Contact Dermatitis** 1981 Jul;7(4):208–11
Dermatitis from Schefflera. Calnan CD. **Contact Dermatitis** 1981 Nov;7(6):341
Contact dermatitis to thioxolone. Camarasa JG. **Contact Dermatitis** 1981 Jul;7(4):213–4
Match dermatitis. Chiarenza A, et al. **Contact Dermatitis** 1981 Nov;7(6):346–7
Prognosis in nickel allergy and hand eczema. Christensen OB. **Contact Dermatitis** 1982 Jan;8(1):7–15
Perioral contact urticaria from sorbic acid and benzoic acid in a salad dressing. Clemmensen O, et al. **Contact Dermatitis** 1982 Jan;8(1):1–6
Metal content in Spanish coins. Conde–Salazar L, et al. **Contact Dermatitis** 1981 May;7(3):166
Allergic contact dermatitis to cyanamide (carbodiimide). Conde–Salazar L, et al. **Contact Dermatitis** 1981 Nov; 7(6):329–30
Allergic contact dermatitis from diazo paper. Conde–Salazar L, et al. **Contact Dermatitis** 1982 May;8(3):210–1
Contact dermatitis in an oil painter. Conde–Salazar L, et al. **Contact Dermatitis** 1982 May;8(3):209–10
Dermatitis from shoes and an amputation prosthesis due to mercaptobenzthiazole and paratertiary butyl formaldehyde resin. Correcher BL, et al. **Contact Dermatitis** 1981 Sep; 7(5):275
Contact dermatitis following exposure to tetrachloronitrobenzene. Cotterill JA. **Contact Dermatitis** 1981 Nov;7(6):353
Skin reactions to a urea–containing cream. Cramers M, et al. **Contact Dermatitis** 1981 Jul;7(4):189–91
Atranorin and oak moss contact allergy. Dahlquist I, et al. **Contact Dermatitis** 1981 May;7(3):168–9
'Nickel itch' from a blow–dry hair brush. Dahlquist I. **Contact Dermatitis** 1982 May;8(3):217
Sensitizing anthraquinone dye in spectacle frames. Dooms–Goossens A, et al. **Contact Dermatitis** 1981 Jul; 7(4):214–5
Contact dermatitis from processional pine caterpillar (Thaumetopoe Pityocampa Schiff Lepidoptera). Ducombs G, et al. **Contact Dermatitis** 1981 Sep;7(5):287–8
Chronic shoe dermatitis from chromium tanned leather. Farkas J. **Contact Dermatitis** 1982 Mar;8(2):140
Immune complex vasculitis and contact dermatitis to Frullania. Faure M, et al. **Contact Dermatitis** 1981 Nov; 7(6):320–5
Nickel contact dermatitis in a blood bank. Fernández de Corres L, et al. **Contact Dermatitis** 1982 Jan;8(1):32–7
Contact allergy to sulfonated castor oil. Fisher LB, et al. **Contact Dermatitis** 1981 Nov;7(6):339–40
Contact dermatitis due to miconazole nitrate. Foged EK, et al. **Contact Dermatitis** 1982 Jul;8(4):284
Allergic contact eczema from topical corticosteroids. Förström L, et al. **Contact Dermatitis** 1982 Mar;8(2):128–33
Allergic contact dermatitis to plastic table cloth and phenyl indole. Foussereau J, et al. **Contact Dermatitis** 1982 Jan; 8(1):73
Contact allergy to phenoplastics. Fregert S. **Contact Dermatitis** 1981 May;7(3):170
Contact allergic reactions to diphenylthiourea and phenylisothiocyanate in PVC adhesive tape. Fregert S, et al. **Contact Dermatitis** 1982 Jan;8(1):38–42
Allergic dermatitis and oral challenge to tetramethylthiuram disulphide. Goitre M, et al. **Contact Dermatitis** 1981 Sep; 7(5):272–3
Chromium dermatitis and oral administration of the metal. Goitre M, et al. **Contact Dermatitis** 1982 May;8(3):208–9
Contact urticaria to fish. Göransson K. **Contact Dermatitis** 1981 Sep;7(5):282–3
Contact allergy to sorbic acid and Unguentum Merck. Göransson K, et al. **Contact Dermatitis** 1981 Sep;7(5):277
Contact urticaria to apricot stone. Göransson K. **Contact Dermatitis** 1981 Sep;7(5):282
Allergy to glyoxal in a polyvinyl resin emulsion. Hindson C, et al. **Contact Dermatitis** 1982 May;8(3):213
Contact allergy to propylene oxide and isopropyl alcohol in a skin disinfectant swab. Jensen O. **Contact Dermatitis** 1981 May;7(3):148–50
Immediate reactions to patent blue dye. Kalimo K, et al. **Contact Dermatitis** 1981 May;7(3):171–2
Contact dermatitis from oleyl polypeptide in Xeruminex ear drops. Kroon S. **Contact Dermatitis** 1981 Sep;7(5):271–2
Formaldehyde in household cleaning agents. Lachapelle JM, et al. **Contact Dermatitis** 1981 May;7(3):166–7
D & C Yellow Nos. 10 and 11: delayed contact hypersensitivity in the guinea pig. Lamson SA, et al. **Contact Dermatitis** 1982 May;8(3):200–3
Allergy to dithranol. Lawlor F, et al. **Contact Dermatitis** 1982 Mar;8(2):137–8
Ampliative medicament allergy: concomitant sensitivity to multiple medicaments including yellow soft paraffin, white soft paraffin, gentian violet and Span 20. Lawrence CM, et al. **Contact Dermatitis** 1982 Jul;8(4):240–5
Ichthammol sensitivity. Lawrence CM, et al. **Contact Dermatitis** 1981 Nov;7(6):335
Unusual formaldehyde dermatitis. Lembo G, et al. **Contact Dermatitis** 1982 Jul;8(4):272
Flare–up reactions from a chemical used in the film industry. Lidén C, et al. **Contact Dermatitis** 1982 Mar;8(2):136–7
Contact sensitization to benzoyl peroxide. Lindemayr H, et al. **Contact Dermatitis** 1981 May;7(3):137–40
Allergy to chalk dyes. Lovell CR, et al. **Contact Dermatitis** 1981 Nov;7(6):345
Patch testing with mercaptobenzothiazole and mercapto–mixes. Lynde CW, et al. **Contact Dermatitis** 1982 Jul;8(4):273–4
Benzoin sensitivity. Mann RJ. **Contact Dermatitis** 1982 Jul; 8(4):263
Failure to induce immunologic contact urticaria. Marks JG Jr, et al. **Contact Dermatitis** 1981 Nov;7(6):344–5
Pigmented cosmetic dermatitis from contact allergy to a toilet soap containing chromium. Mathias CG. **Contact Dermatitis** 1982 Jan;8(1):29–31
Allergic contact dermatitis from diethylenetriamine in a goldsmith workshop. Meding B. **Contact Dermatitis** 1982 Mar;8(2):142
Contact dermatitis to scabicides. Meneghini CL, et al. **Contact Dermatitis** 1982 Jul;8(4):285–6
Contact dermatitis from pyrrolnitrin. Meneghini CL, et al. **Contact Dermatitis** 1982 Jan;8(1):55–8
Industrial aspects of 112 cases of allergic contact dermatitis from Frullania in British Columbia during a 10–year period. Mitchell JC. **Contact Dermatitis** 1981 Sep;7(5):268–9
Type I without type III and type IV hypersensitivity reaction to nickel. Mitchell JC. **Contact Dermatitis** 1981 Sep;7(5):270
Parthenium pollen–Parthenium dermatitis. Mitchell JC. **Contact Dermatitis** 1981 Jul;7(4):212–7
Urticaria from pig's gut. Moseng D. **Contact Dermatitis** 1982 Mar;8(2):135–6
Contact dermatitis to chlorhexidine. Osmundsen PE. **Contact Dermatitis** 1982 Mar;8(2):81–3
Occupational contact dermatitis from C.I. Acid Red 85 (C.I. 22245). Pedersen NB. **Contact Dermatitis** 1982 Mar;8(2):142
Allergic contact dermatitis from 4,7–dichloroquinoline. Pickering FC, et al. **Contact Dermatitis** 1982 Jul;8(4):269–70
Cheilitis and cobalt allergy related to ingestion of vitamin B12. Price ML, et al. **Contact Dermatitis** 1981 Nov;7(6):352
Contact dermatitis due to the constituents of Hibiscrub. Roberts DL, et al. **Contact Dermatitis** 1981 Nov;7(6):326–8
Contact dermatitis from nasal sprays and amyl nitrite. Romaguera C, et al. **Contact Dermatitis** 1982 Jul;8(4):266–7
Contact dermatitis from a copper–containing intrauterine contraceptive device. Romaguera C, et al. **Contact Dermatitis** 1981 May;7(3):163–4
Contact dermatitis from a permanent acupuncture needle. Romaguera C, et al. **Contact Dermatitis** 1981 May; 7(3):156–7
Occupational leukoderma and contact dermatitis from paratertiary–butylphenol. Romaguera C, et al. **Contact Dermatitis** 1981 May;7(3):159–60
Pacemaker dermatitis. Romaguera C, et al. **Contact Dermatitis** 1981 Nov;7(6):333
Dry feet syndrome or juvenile plantar dermatosis. Romaguera C, et al. **Contact Dermatitis** 1982 May; 8(3):219–20
Contact urticaria from rat tail, guinea pig, streptomycin and vinyl pyridine. Rudzki E, et al. **Contact Dermatitis** 1981 Jul;7(4):186–8
Alstroemeria dermatitis. Rycroft RJ, et al. **Contact Dermatitis** 1981 Sep;7(5):284
Occupational contact sensitization to 2,6–dichloropurine. Rycroft RJ. **Contact Dermatitis** 1981 Nov;7(6):349–50
Immediate and delayed onset 'skip area' dermatitis presumed secondary to topical phenol exposure. Schmidt R, et al. **Contact Dermatitis** 1981 Jul;7(4):199–202
Contact dermatitis to Aloe arborescens. Shoji A. **Contact Dermatitis** 1982 May;8(3):164–7
Contact allergy to styrene with cross reaction to vinyltoluene. Sjöborg S, et al. **Contact Dermatitis** 1982 May;8(3):207–8
Mucosal contact dermatitis due to instant coffee. Sonnex TS, et al. **Contact Dermatitis** 1981 Nov;7(6):298–300
The sensitizing capacity of helenin and of two of its main constituents, the sesquiterpene lactones alantolactone and isoalantolactone: a comparison of epicutaneous and intradermal sensitizing methods in different strains of guinea pig. Stampf JL, et al. **Contact Dermatitis** 1982 Jan; 8(1):16–24
Facial dermatitis from allyl phenoxyacetate in a dry carpet shampoo. Taylor AE, et al. **Contact Dermatitis** 1982 Jan; 8(1):70
Contact dermatitis to a new fungicide, 2–n–octyl–4–isothiazolin–3–one. Thormann J. **Contact Dermatitis** 1982 May;8(3):204
Propylene glycol: irritation or sensitization? Trancik RJ, et al. **Contact Dermatitis** 1982 May;8(3):185–9
Contact sensitivity to oxyphenbutazone. Valsecchi R, et al. **Contact Dermatitis** 1981 May;7(3):157
Contact dermatitis from pyrrolnitrin. Valsecchi R, et al. **Contact Dermatitis** 1981 Nov;7(6):340
Sensitizing potential of 14 mono (meth) acrylates in the guinea pig. van der Walle HB, et al. **Contact Dermatitis** 1982 Jul;8(4):223–35
Concomitant sensitization to hydroquinone and

P-methyoxyphenol in the guinea pig; inhibitors in acrylic monomers. van der Walle HB, et al. **Contact Dermatitis** 1982 May;8(3):147–54

Allergy to Nestosyl ointments [letter] Van Hecke E. **Contact Dermatitis** 1981 Nov;7(6):361–2

Contact sensitivity to imidazole derivatives. van Hecke E, et al. **Contact Dermatitis** 1981 Nov;7(6):348–9

Sensitization to olive oil (olea europeae). van Joost T, et al. **Contact Dermatitis** 1981 Nov;7(6):309–10

Allergy to clobetasol-17-propionate (Dermovate). van Ketel WG, et al. **Contact Dermatitis** 1981 Sep;7(5):278–9

Eyelid dermatitis from nickel contaminated cosmetics. van Ketel WG, et al. **Contact Dermatitis** 1981 Jul;7(4):217

Allergy to palladium in dental alloys. van Ketel WG, et al. **Contact Dermatitis** 1981 Nov;7(6):331

Contact urticaria from Cotoneaster. van Ketel WG. **Contact Dermatitis** 1982 Mar;8(2):139

Allergic drug eruption to carbason. Verburgh-van der Zwan N, et al. **Contact Dermatitis** 1981 Sep;7(5):274–5

Sensitivity to resorcin. Waddell MM, et al. **Contact Dermatitis** 1981 Jul;7(4):216

Nickel allergy in hairdressers [letter] Wahlberg JE. **Contact Dermatitis** 1981 Nov;7(6):358–9

Lymphomatoid contact dermatitis due to ethylenediamine dihydrochloride. Wall LM. **Contact Dermatitis** 1982 Jan; 8(1):51–4

Allergic contact dermatitis from glyceryl monothioglycolate in hairdressers. Warshawshki L, et al. **Contact Dermatitis** 1981 Nov;7(6):351–2

Contact dermatitis from silver fulminate-fulminate itch. White IR, et al. **Contact Dermatitis** 1982 May;8(3):159–63

Rashes amongst persulphate workers. White IR, et al. **Contact Dermatitis** 1982 May;8(3):168–72

Dermatitis from UV acrylate in adhesive. Whittington CV. **Contact Dermatitis** 1981 Jul;7(4):203–4

Contact allergy to acrylate monomer in a printing plate. Widström L. **Contact Dermatitis** 1982 Jan;8(1):68–9

Allergy to zinc dimethyldithiocarbamate in rubber gloves. Zugerman C. **Contact Dermatitis** 1981 Nov;7(6):337–8

Allergic reactions to benzyl alcohol in a sunscreen. Edwards EK Jr. **Cutis** 1981 Sep;28(3):332–3

Contact urticaria to cow's milk. Edwards EK Jr. **Cutis** 1981 Oct;28(4):450–1

Allergic reaction to tertiary butyl alcohol in a sunscreen. Edwards EK Jr, et al. **Cutis** 1982 May;29(5):476–8

Hand dermatitis--a 'baker's dozen'. Fisher AA. **Cutis** 1982 Mar;29(3):214, 217–8, 221

Resorcinol--a rare sensitizer. Fisher AA. **Cutis** 1982 Apr; 29(4):331–2, 338

Fiberglass vs mineral wool (rockwool) dermatitis. Fisher AA. **Cutis** 1982 May;29(5):412, 415–6, 422 passim

Dermatologic hazards from ,nidden contacts with penicillin. Boonk WJ. **Derm Beruf Umwelt** 1981;29(5):131–4 (67 ref.)

Cutaneous sensitivity to benzidine. Grimalt F, et al. **Derm Beruf Umwelt** 1981;29(4):95–7

Occupational contact dermatitis in the workers employed in production of Texas textiles. Kieć-Swierczyńska M. **Derm Beruf Umwelt** 1982;30(2):41–3

Nickel allergy--reliability of patch test. Evaluated in female twins. Menne T. **Derm Beruf Umwelt** 1981;29(6):156–60

Some peculiarities of contact dermatitis in poland. Rudzki E. **Derm Beruf Umwelt** 1981;29(4):98–101

Nonspecific hypersensitivity of the skin. van der Lugt L, et al. **Dermatologica** 1981;162(6):438–43

Mice do not respond with delayed hypersensitivity to penicillin-derived determinants. Kristofferson A, et al. **Immunology** 1982 Mar;45(3):537–43

Stimulation of contact sensitivity to oxazolone by disodium cromoglycate. Griswold DE, et al. **Int Arch Allergy Appl Immunol** 1982;69(2):93–7

Riehl's melanosis. rorsman H. **Int J Dermatol** 1982 Mar; 21(2):75–8

Dermal hypersensitivity reactions to insulin: correlations of three patterns to their histopathology. deShazo RD, et al. **J Allergy Clin Immunol** 1982 Feb;69(2):229–37

Prospective study of cosmetic reactions: 1977–1980. Eiermann HJ, et al. **J Am Acad Dermatol** 1982 May; 6(5):909–17

Cortaid cream dermatitis and the 'paraben paradox' [letter] Fisher AA. **J Am Acad Dermatol** 1982 Jan;6(1):116–7

Allergic contact dermatitis to povidone-iodine. Marks JG Jr. **J Am Acad Dermatol** 1982 Apr;6(4 Pt 1):473–5

Jojoba oil [letter] Scott MJ, et al. **J Am Acad Dermatol** 1982 Apr;6(4 Pt 1):545

A case of contact dermatitis, erythema multiforme, and toxic epidermal necrolysis. Thompson JA Jr, et al. **J Am Acad Dermatol** 1981 Dec;5(6):666–9

Dermatitis from transcutaneous electric nerve stimulation. Zugerman C. **J Am Acad Dermatol** 1982 May;6(5):936–9

Hapten-specific T cell lines mediating delayed hypersensitivity to contact-sensitizing agents. Thomas WR, et al. **J Exp Med** 1982 Jul 1;156(1):300–5

Mechanisms of contact photosensitivity in mice: II. Langerhans cells are required for successful induction of contact photosensitivity to TCSA. Miyachi Y, et al. **J Invest Dermatol** 1982 May;78(5):363–5

The nickel problem. Blanco-Dalmau L. **J Prosthet Dent** 1982 Jul;48(1):99–101

Medicament contact dermatitis in patients with chronic inflammatory ear disease. Holmes RC, et al. **J R Soc Med** 1982 Jan;75(1):27–30

Asthma induced by nickel. Block GT, et al. **JAMA** 1982 Mar 19;247(11):1600–2

Airborne irritant contact dermatitis due to sewage sludge. Nethercott JR. **JOM** 1981 Nov;23(11):771–4

Reactions to Handyplast strips [letter] Roberts MJ, et al. **Med J Aust** 1981 Aug 8;2(3):156

Toxic plants of Minnesota: skin toxicity of the Prairie Crocus (Anemone patens L.). Vance JC. **Minn Med** 1982 Mar; 65(3):149–51

Rash illness associated with gypsy moth caterpillars--Pennsylvania. **MMWR** 1982 Apr 9; 31(13):169–70

Gypsy-moth-caterpillar dermatitis. Beaucher WN, et al. **N Engl J Med** 1982 May 27;306(21):1301–2

Gypsy-moth-caterpillar dermatitis. Shama SK, et al. **N Engl J Med** 1982 May 27;306(21):1300–1

Stereospecificity of allergic contact dermatitis (ACD) induced by two natural enantiomers, (+)- and (–)-frullanolides, in guinea pigs. Barbier P, et al. **Naturwissenschaften** 1982 Jun;69(6):296–7

Prenylated phenols that cause contact dermatitis from trichomes of Phacelia ixodes. Reynolds GW, et al. **Planta Med** 1981 Oct;43(2):187–93

Contact dermatitis due to ladybirds. Herman J, et al. **Practitioner** 1982 Feb;226(1364):311

Nickel dermatitis--an unusual site [letter] Scott WA. **S Afr Med J** 1982 Feb 6;61(6):182

Nickel allergy and nickel-containing dental alloys. Magnusson B, et al. **Scand J Dent Res** 1982 Apr;90(2):163–7

HLA dependence of sensitivity to nickel and chromium. Kapoor-Pillarisetti A, et al. **Tissue Antigens** 1981 Mar; 17(3):261–4

Irritant contact dermatitis in humans from phorbol and related esters. Hickey TA, et al. **Toxicon** 1981;19(6):841–50

Skin reactions to bug bites as a result of xenodiagnosis. Costa CH, et al. **Trans R Soc Trop Med Hyg** 1981;75(3):405–8

[Creosote dermatitis in an ammunition depot. Case reports] Heyl T, et al. **S Afr Med J** 1982 Jul 10;62(2):66–7 (Eng. Abstr.) **(Afr)**

[Occupational contact hypersensitivity to Ginkgo biloba L. (author's transl)] Jirásek L, et al. **Cesk Dermatol** 1981 Dec; 56(6):366–73 (Eng. Abstr.) **(Cze)**

[Toothpaste in an epicutaneous test (author's transl)] Kvíčalová E, et al. **Cesk Dermatol** 1981 Dec;56(6):374–6 (Eng. Abstr.) **(Cze)**

[Mayonnaise eczema in a day nursery] Clemmensen OJ, et al. **Ugeskr Laeger** 1981 Oct 12;143(42):2725–6 (Eng. Abstr.) **(Dan)**

[Allergic contact eczema provoked by idoxuridine] Elkjaer P, et al. **Ugeskr Laeger** 1982 Mar 22;144(12):877–8 (Eng. Abstr.) **(Dan)**

[Glutaraldehyde allergy] Hansen KS. **Ugeskr Laeger** 1981 Apr 6;143(15):956–7 (Eng. Abstr.) **(Dan)**

[Alstroemeria eczema. A new occupational eczema in Denmark] Hoffmann H, et al. **Ugeskr Laeger** 1981 Mar 16;143(12):754 (Eng. Abstr.) **(Dan)**

[Nickel contact eczema and the apprentice beautician] Malten KE. **Ned Tijdschr Geneeskd** 1982 Apr 10;126(15):679–81 **(Dut)**

[Contact allergy to tromantadine (Viru-Merz) in the treatment of herpes simplex infections] van der Walle HB, et al. **Ned Tijdschr Geneeskd** 1982 Jun 5;126(23):1033–5 (Eng. Abstr.) **(Dut)**

[Hypersensitivity to nickel, chromium and cobalt; a continuing problem] van Everdingen JJ, et al. **Ned Tijdschr Geneeskd** 1982 Jun 12;126(24):1088–92 (Eng. Abstr.) **(Dut)**

['Non-infectious' contact disease] van Joost T, et al. **Ned Tijdschr Geneeskd** 1982 Apr 24;126(17):745–8 **(Dut)**

[Contact allergy to an arsenic containing drug administered intravaginally] Verburgh-van der Zwan N, et al. **Ned Tijdschr Geneeskd** 1981 Oct 17;125(42):1718–9 (Eng. Abstr.) **(Dut)**

[Hypersensitivity to formaldehyde] Young E. **Ned Tijdschr Geneeskd** 1982 May 29;126(22):985–9 **(Dut)**

[Contact allergy] Hannuksela M. **Duodecim** 1981;97(9):629–34 **(Fin)**

[Contact urticaria] Lahti A, et al. **Duodecim** 1981; 97(22):1838–44 **(Fin)**

[Cutaneous hypersensitivity tests in guinea pig of lanolin and derivatives (author's transl)] Bourrinet P, et al. **Ann Pharm Fr** 1980;38(6):483–92 (Eng. Abstr.) **(Fre)**

[Hand dermatitis in medical personnel] Agathos M, et al. **Derm Beruf Umwelt** 1982;30(2):43–7 (Eng. Abstr.) **(Ger)**

[A case of allergy to dibutylthiourea caused by diver's footgear (author's transl)] Foussereau J, et al. **Derm Beruf Umwelt** 1982;30(2):58–9 (Eng. Abstr.) **(Ger)**

[Contact allergy due to the topical antiperspirant propantheline bromide (author's transl)] Gall H, et al. **Derm Beruf Umwelt** 1982;30(2):55–6, 57 (Eng. Abstr.) **(Ger)**

[Influence of soap and Syndet upon alkali resistance (author's transl)] Graf G, et al. **Derm Beruf Umwelt** 1981; 29(5):139–41 (Eng. Abstr.) **(Ger)**

[Skin allergy to imidazolic antifungal creams: crossed allergy? (author's transl)] Jelen G. **Derm Beruf Umwelt** 1982; 30(2):53–5 (Eng. Abstr.) **(Ger)**

[The dermatologist's report or/and medical report on well-founded suspicions of occupational disease] Kühl M. **Derm Beruf Umwelt** 1982;30(1):20–5 (Eng. Abstr.) **(Ger)**

[Allergy to ed-edta and formaldehyde (author's transl)] Pevny I, et al. **Derm Beruf Umwelt** 1981;29(6):151–6 (Eng. Abstr.) **(Ger)**

[Nickel dermatitis (author's transl)] Heine A. **Dermatol Monatsschr** 1981 Aug;167(8):513–6 **(Ger)**

[Contact dermatitis and lichen ruber caused by black-and-white film developer] Raith L, et al. **Dermatol Monatsschr** 1982 Jan;168(1):51–2 **(Ger)**

[Contact dermatitis scenery in German Democratic Republic and Poland- a comparison. I (author's transl)] Schubert H, et al. **Dermatol Monatsschr** 1981 Sep;167(9):545–50 (Eng. Abstr.) **(Ger)**

[Skin irritation caused by propylene glycols] Andersen KE, et al. **Hautarzt** 1982 Jan;33(1):12–4 (Eng. Abstr.) **(Ger)**

[Incidence and significance of toxic and allergic contact dermatitis caused by machaerium scleroxylum Tul. (Pao ferro), a substitute wood for palisander (Dalbergia nigra All.)] Hausen BM. **Hautarzt** 1982 Jun;33(6):321–8 (Eng. Abstr.) **(Ger)**

[Photoallergic contact dermatitis by benzophenone containing sunscreening preparations] Hölzle E, et al. **Hautarzt** 1982 Jul;33(7):391–3 (Eng. Abstr.) **(Ger)**

[Acute intoxication by organic isocyanates] Smirnov V, et al. **Harefuah** 1981 Jun 1;100(11):520–3 (Eng. Abstr.) **(Heb)**

[Incidence of allergy to rubber in hospitalized patients] Nebenführer L, et al. **Orv Hetil** 1982 Jun 6;123(23):1413–6 **(Hun)**

[Contact dermatitis due to anesthesia mask (author's transl)] Yatsumonji R, et al. **Masui** 1981 Sep;30(9):989–91 (Eng. Abstr.) **(Jpn)**

[Contact urticaria to cobalt chloride - comparison of urticarial response between open patch test and scratch test (author's transl)] Okubo S. **Nippon Hifuka Gakkai Zasshi** 1981 Jul;91(8):809–13 **(Jpn)**

[Cement as a metal allergy-inducing agent] Rudzki E, et al. **Med Pr** 1981;32(5):371–5 (Eng. Abstr.) **(Pol)**

[Role of contact allergy in acne rosacea] Kleniewska D, et al. **Przegl Dermatol** 1981 Mar-Apr;68(2):173–5 (Eng. Abstr.) **(Pol)**

[Contact allergy to ether oils in patients sensitized to a single or several basic balsams] Rudzki E, et al. **Przegl Dermatol** 1981 Mar-Apr;68(2):167–71 (Eng. Abstr.) **(Pol)**

[Contact dermatitis caused by Allium sativum] Martinescu E. **Rev Med Chir Soc Med Nat Iasi** 1981 Jul-Sep; 85(3):541–2 (Eng. Abstr.) **(Rum)**

[Sensitizing properties of the metals indium, palladium and vanadium] Roshchin AV, et al. **Gig Tr Prof Zabol** 1982 Feb;(2):5–8 **(Rus)**

[Role of endogenous factors in the development of contact sensitization to industrial allergens] Nalbandian GT. **Vestn Dermatol Venerol** 1981 Sep;(9):26–9 (Eng. Abstr.) **(Rus)**

[Contact sensitivity to amethocaine] García-Pérez A, et al. **Actas Dermosifiliogr** 1981 Sep-Oct;72(9–10):441–8 (Eng. Abstr.) **(Spa)**

[Superficial applications of resins and plastics: paints, varnishes, waxes, glues, insecticides] Ocaña Sierra J. **Actas Dermosifiliogr** 1981 Mar-Apr;72(3–4):159–66 **(Spa)**

[Photosensitive contact dermatitis caused by fodder] Romaguera C, et al. **Actas Dermosifiliogr** 1981 Mar-Apr; 72(3–4):153–8 **(Spa)**

[Dermatitis caused by ethylene oxide] Alomar A, et al. **Med Cutan Iber Lat Am** 1981;9(4):293–6 (Eng. Abstr.) **(Spa)**

[Dermatitis caused by 'Milwaukees'] Romaguera C, et al. **Med Cutan Iber Lat Am** 1981;9(4):255–8 (Eng. Abstr.) **(Spa)**

[Carbonless copy paper--a health problem?] Göthe CJ. **Lakartidningen** 1982 Feb 3;79(5):336–8 **(Swe)**

FAMILIAL & GENETIC

Multiple cases of allergic contact dermatitis occurring simultaneously in families [letter] Czarnecki DB, et al. **Arch Dermatol** 1982 Feb;118(2):73

[Genetic control of contact hypersensitivity in guinea pigs] Polak L. **Hautarzt** 1982 Feb;33(2):62–4 (Eng. Abstr.) **(Ger)**

IMMUNOLOGY

Flare-up of contract dermatitis to picryl chloride in the mouse. Dahlbäck K, et al. **Acta Derm Venereol (Stockh)** 1981;61(4):342–4

In vitro studies on blastogenic lymphokine activity in nickel allergy. MacLeod TM, et al. **Acta Derm Venereol (Stockh)** 1982;62(3):249–50

Immunopotentiation of allergic contact dermatitis in the guinea pig with C. parvum (P. acnes). Maguire HC Jr. **Acta Derm Venereol (Stockh)** 1981;61(6):565–7

Lymphocyte transformation test in patients with nickel sensitivity: an aid to diagnosis. Al-Tawil NG, et al. **Acta Derm Venereol (Stockh)** 1981;61(6):511–5

HLA antigens and contact sensitivity. Valsecchi R, et al. **Arch Dermatol** 1982 Jul;118(7):533–4

A murine model system for contact sensitization to poison oak or ivy urushiol components. Dunn IS, et al. **Cell Immunol** 1982 Apr;68(2):377–88

Contact sensitivity in the guinea pig eye. Friedlaender MH, et al. **Curr Eye Res** 1981;1(7):403–7

Soluble factors in tolerance and contact sensitivity to 2,4-dinitrofluorobenzene in mice. IV. Characterization of migration inhibition factor-producing lymphocytes and

genetic requirements for activation. Moorhead JW, et al. **Eur J Immunol** 1982 May;12(5):431–6

Effects of adult thymectomy on the contact sensitivity skin reaction and the unresponsiveness caused by feeding contact sensitizing agents. Perera MA, et al. **Immunology** 1981 Aug;43(4):613–8

Differential inhibition of contact sensitivity by suppressor T cells and suppressor factor induced by combined treatment with dinitrobenzenesulphonate and dinitrofluorobenzene. Zimber C, et al. **Immunology** 1982 Mar;45(3):449–57

Effect of selected immunoregulatory agents on low-grade contact sensitivity. Griswold DE, et al. **Inflammation** 1982 Mar;6(1):55–62

Specific inhibition of contact sensitivity in the guinea pig following tolylene diisocyanate inhalation. Doe JE, et al. **Int Arch Allergy Appl Immunol** 1982;68(3):275–9

Effects of levamisole and D-penicillamine on contact sensitivity to oxazolone in rats. West GB. **Int Arch Allergy Appl Immunol** 1982 Feb;67(2):184–6

Contact allergy: competitive roles of effector and suppressor cells. Baer RL. **J Am Acad Dermatol** 1982 May;6(5):921–5

An in vivo and in vitro study of the cyclophosphamide-induced enhancement of contact sensitivity to 2,4-dinitro-1-chlorobenzene (DNCB). Ikezawa Z. **J Dermatol (Tokyo)** 1981 Oct;8(5):357–66

Antigen receptors on murine T lymphocytes in contact sensitivity. I. Functional inhibition of effector T cells by monovalent 2,4-dinitrophenol: implication for a two-receptor model. Moorhead JW. **J Exp Med** 1981 Dec 1;154(6):1811–26

Antigen receptors on murine T lymphocytes in contact sensitivity. III. Mechanism of negative feedback regulation by auto-anti-idiotypic antibody. Moorhead JW. **J Exp Med** 1982 Mar 1;155(3):820–30

Fine-specificity of the immune response to oxazolone. I. Contact sensitivity and early antibodies. Ferreira AM, et al. **J Immunol** 1981 Dec;127(6):2366–71

Suppressor T cell circuits in contact sensitivity. I. Two mechanistically distinct waves of suppressor T cells occur in mice tolerized with syngeneic DNP-modified lymphoid cells. Miller SD, et al. **J Immunol** 1982 Aug;129(2):461–8

Antigen receptors on murine T lymphocytes in contact sensitivity. II. Presentation and characterization of syngeneic anti-idiotype serum against DNFB-sensitized T cells. Moorhead JW, et al. **J Immunol** 1982 Jun; 128(6):2533–8

Modulation of suppressor mechanism in allergic contact dermatitis. IV. Selective inhibition of suppressor T-lymphocytes by serum obtained from Corynebacterium parvum treated mice. Knop J, et al. **J Invest Dermatol** 1981 Dec;77(6):469–73

Experimental photoallergic contact dermatitis: a mouse model. Maguire HC Jr, et al. **J Invest Dermatol** 1982 Sep; 79(3):147–52

The spontaneous loss of contact sensitivity in the mouse does not require B cells. Maguire HC Jr. **J Invest Dermatol** 1982 Feb;78(2):155–6

Hapten specific TNP-reactive cytotoxic effector cells using epidermal cells as targets. Tamaki K, et al. **J Invest Dermatol** 1981 Aug;77(2):225–9

The Langerhans cell [editorial] **Lancet** 1981 Sep 26; 2(8248):674–5

Cell surface expression of I-A products is required for contact sensitivity induction by trinitrophenyl-coupled epidermal cells. Ikezawa Z, et al. **Microbiol Immunol** 1981; 25(12):1335–44

H-2K-, H-21- and H-2D-restricted hybridoma contact sensitivity effector cells. Minami M, et al. **Nature** 1982 May 20;297(5863):231–3

Suppression of contact hypersensitivity by UV radiation and its relationship to UV-induced suppression of tumor immunity. Noonan FP, et al. **Photochem Photobiol** 1981 Dec;34(6):683–9

Adrenal involvement in the expression of delayed-type hypersensitivity to SRBC and contact sensitivity to DNFB in stressed mice. Blecha F, et al. **Proc Soc Exp Biol Med** 1982 Feb;169(2):247–52

Stress-induced alterations in delayed-type hypersensitivity to SRBC and contact sensitivity to DNFB in mice. Blecha F, et al. **Proc Soc Exp Biol Med** 1982 Feb;169(2):239–46

Suppression of contact hypersensitivity by ultraviolet radiation: an experimental model. Noonan FP, et al. **Springer Semin Immunopathol** 1981;4(3):293–304

HLA antigens in nickel sensitive females: based on a twin and a patient population. Hansen HE, et al. **Tissue Antigens** 1982 Apr;19(4):306–10

[Hypersensitivity and immunologic tolerance in contact allergies] Baer RL, et al. **Hautarzt** 1982 Jan;33(1):1–4 (Eng. Abstr.) **(Ger)**

[Applied allergology 14. Contact dermatitis—contact eczema] Ring J. **MMW** 1982 Feb 12;124(6):102–5 **(Ger)**

[A case of contact urticaria with reagin of raw prawn crust (author's transl)] Nagano T, et al. **Arerugi** 1982 Jan; 31(1):46–50 (Eng. Abstr.) **(Jpn)**

[Effect of the in vivo and in vitro MOPOC 315 treatment on contact sensitivity to DNFB in mice. Inhibition of the suppressive activity of splenic suppressor cells by the in vitro MOPC 315 treatment (author's transl)] Ikezawa Z, et al. **Nippon Hifuka Gakkai Zasshi** 1981 May;91(6):629–36 **(Jpn)**

[Induction of TNCB contact sensitivity by TNP-modified epidermal cells and spleen cells--immunological functions of Ia antigen on hapten-modified cells in the induction of contact sensitivity (author's transl)] Ikezawa Z, et al. **Nippon Hifuka Gakkai Zasshi** 1981 Jun;91(7):729–37 **(Jpn)**

[Suppressor cell mechanisms in murine contact hypersensitivity (author's transl)] Ishii N, et al. **Nippon Hifuka Gakkai Zasshi** 1981 Feb;91(2):143–7 **(Jpn)**

[T cell regulation of DNFB contact hypersensitivity (author's transl)] Ishii N, et al. **Nippon Hifuka Gakkai Zasshi** 1981 Jun;91(7):723–7 **(Jpn)**

[Dynamics and external sensibilization relationships in contact eczema, varicose complex and dermatomycosis (author's transl)] Hegyi E, et al. **Cesk Dermatol** 1981 Aug; 56(4):215–26 (Eng. Abstr.) **(Slo)**

METABOLISM

Prostaglandin E1 in suction-separated human epidermal tissue in primary irritant dermatitis. Kassis V, et al. **Acta Derm Venereol (Stockh)** 1981;61(5):429–31

[Free amino acids and peptides in guinea-pig skin experimental allergic contact dermatitis (author's transl)] Antol M, et al. **Cesk Dermatol** 1981 Aug;56(4):227–34 (Eng. Abstr.) **(Slo)**

[Peptides and their bacteriological activity in guinea-pig skin during experimental toxic contact dermatitis (author's transl)] Antol M, et al. **Cesk Dermatol** 1982 Feb;57(1):27–33 (Eng. Abstr.) **(Slo)**

OCCURRENCE

Nickel allergy and hand dermatitis in a stratified sample of the Danish female population: an epidemiological study including a statistic appendix. Menné T, et al. **Acta Derm Venereol (Stockh)** 1982;62(1):35–41

Occurrence of contact allergy and hand eczemas in hospital wet work. Lammintausta K, et al. **Contact Dermatitis** 1982 Mar;8(2):84–90

[Frequency of contact allergy in housewives (author's transl)] Förg T, et al. **Derm Beruf Umwelt** 1982;30(2):48–50 (Eng. Abstr.) **(Ger)**

[Contact dermatitis in German Democratic Republic and Poland – a comparison. II (author's transl)] Rudzki E, et al. **Dermatol Monatsschr** 1981 Nov;167(11):665–71 (51 ref.) (Eng. Abstr.) **(Ger)**

[The incidence of contact allergens at the Department of Dermatology of the University of Cologne (1970–1971 and 1976–1979) (author's transl)] Schwarz A, et al. **Z Hautkr** 1982 Jul 1;57(13):951–60 **(Ger)**

[Contact allergy to epoxy resin hardeners] Rudzki E, et al. **Med Pr** 1981;32(1):59–62 (Eng. Abstr.) **(Pol)**

[Progress in environmental dermatology (selected problems)] Grzegorczyk L. **Przegl Dermatol** 1981 Jul–Aug; 68(4):515–21 (34 ref.) **(Pol)**

[Incidence of contact dermatitis in inhabitants of experimental buildings] Rutkowska I. **Rocz Panstw Zakl Hig** 1981; 32(1):29–36 (Eng. Abstr.) **(Pol)**

[Epidemic outbreak of dermatitis caused by Paederus signaticornis Sharp (Coleoptera: staphylinidae) observed in José Domingo de Obaldía Hospital, David, Panama] Méndez E, et al. **Rev Med Panama** 1982 Jan;7(1):53–8 (Eng. Abstr.) **(Spa)**

PATHOLOGY

Micromorphology and specificity of orally induced flare-up reactions in nickel-sensitive patients. Christensen OB, et al. **Acta Derm Venereol (Stockh)** 1981;61(6):505–10

Inflammatory activities of synovial fluids from rheumatoid- and osteo-arthritis to guinea pig skin. Kambara T, et al. **Acta Pathol Jpn** 1982 Jul;32(4):575–83

Allergic and toxic contact dermatitis: inflammatory cell subtypes in epicutaneous test reactions. Reitamo S, et al. **Br J Dermatol** 1981 Nov;105(5):521–7

An anatomo-clinical study of delayed skin allergic reactions to nickel following intradermal injections of lidocaïne with a Dermo-jet. Lachapelle JM, et al. **Contact Dermatitis** 1982 May;8(3):193–9

[Early epidermal changes in experimental allergic contact dermatitis in guinea pigs. Ultrastructural studies (author's transl)] Ito Y. **Nippon Hifuka Gakkai Zasshi** 1982 Jan 15; 92(1):1–15 **(Jpn)**

[Long-term culture of murine antigen-specific T lymphocytes by using T cell growth factor in contact sensitivity to TNCB (author's transl)] Shiohara T, et al. **Nippon Hifuka Gakkai Zasshi** 1981 Aug;91(9):971–3 **(Jpn)**

[Mononuclear epithelial infiltration in squamous cell skin cancer, allergic contact dermatitis and skin allograft] Panchenko KI, et al. **Arkh Patol** 1981;43(12):18–23 (Eng. Abstr.) **(Rus)**

[Bedpan dermatitis in children] Kogan AI, et al. **Vestn Dermatol Venerol** 1981 Sep;(9):66–7 **(Rus)**

PHYSIOPATHOLOGY

Effect of azelastine hydrochloride on vascular permeability in hypersensitivity reaction skin site in guinea pig. Tanigawa T, et al. **Arzneimittelforsch** 1981;31(8):1212–5

Unsuspected lettuce immediate allergy in a case of delayed metal allergy. Fregert S, et al. **Contact Dermatitis** 1982 Jul; 8(4):265

Thoughts on irritant contact dermatitis. Malten KE. **Contact Dermatitis** 1981 Sep;7(5):238–47 (25 ref.)

Studies on contact hypersensitivity in the guinea pig. Tsuchiya S, et al. **Contact Dermatitis** 1982 Jul;8(4):246–55

PREVENTION & CONTROL

Allergic contact dermatitis to costus: removal of haptens with polymers. Cheminat A, et al. **Acta Derm Venereol (Stockh)** 1981;61(6):525–9

Failure of periodic ultraviolet radiation treatments to prevent sensitization to nitrogen mustard: a case report. Vega FA, et al. **Br J Dermatol** 1982 Mar;106(3):361–6

The mechanisms of inhibitory effect of 8-methoxypsoralen and long-wave ultraviolet light on experimental contact sensitization. Horio T, et al. **J Invest Dermatol** 1982 May; 78(5):402–5

Cutting oil dermatitis: sharpening worker defenses. Goldberg HM, et al. **Occup Health Saf** 1982 May;51(5):30–1

[Protection of the skin] Gall H. **Derm Beruf Umwelt** 1982; 30(1):13–6 (Eng. Abstr.) **(Ger)**

PSYCHOLOGY

[My fingers itch, but my hands are bound. An exploratory psychosomatic study of patients with dyshidrosis of the hands (cheiropompholyx)] Hansen O, et al. **Z Psychosom Med Psychoanal** 1981 Jul–Sep;27(3):275–90 (Eng. Abstr.) **(Ger)**

THERAPY

Surgical sympathectomy in a case of contact dermatitis. de Moragas JM, et al. **Contact Dermatitis** 1982 Jul;8(4):270

Chronic hand eczema strategies. Shelley WB, et al. **Cutis** 1982 Jun;29(6):569–73, 581–4, 598

TRANSMISSION

Allergen transfer between individuals as a cause of contact dermatitis. Mann RJ, et al. **Contact Dermatitis** 1981 May; 7(3):164–5

VETERINARY

Contact dermatitis in a dog from a leather collar. Pomorski Z. **Contact Dermatitis** 1981 Jul;7(4):215–6

Dermatitis from carpet cleaner [letter] McAllister E. **Vet Rec** 1982 Jun 12;110(23):565

DERMATITIS, CONTACT, PHOTOSENSITIVE see **PHOTOSENSITIVITY DISORDERS**

DERMATITIS, CONTAGIOUS PUSTULAR see **ECTHYMA, CONTAGIOUS**

DERMATITIS EXFOLIATIVA

CHEMICALLY INDUCED

Exfoliative dermatitis during cefoxitin therapy. Kannangara DW, et al. **Arch Intern Med** 1982 May;142(5):1031–2

Exfoliative dermatitis from captopril. Solinger AM. **Cutis** 1982 May;29(5):473–4

Isoniazid-induced exfoliative dermatitis. Rosin MA, et al. **South Med J** 1982 Jan;75(1):81

[Exfoliative dermatitis caused by chlorpromazine--a report of 10 cases (author's transl)] Weng YZ. **Chung Hua Shen Ching Ching Shen Ko Tsa Chih** 1979 Jun; 12(2):115–6 **(Chi)**

[Exfoliative erythroderma after taking the Elsinore pill and accidental induction with ephedrine nose drops] Serup J. **Ugeskr Laeger** 1981 Jun 22;143(26):1660–2 (Eng. Abstr.) **(Dan)**

DERMATITIS HERPETIFORMIS

BLOOD

Detection of gluten in human sera by an enzyme immunoassay: comparison of dermatitis herpetiformis and celiac disease patients with normal controls. Lane AT, et al. **J Invest Dermatol** 1982 Sep;79(3):186–9

COMPLICATIONS

Dermatitis herpetiformis. Its relationship to gastrointestinal disease. Lamkin BC. **Cutis** 1981 Sep;28(3):302–3, 306–8, 313–4 passim (62 ref.)

A case of dermatitis herpetiformis and chronic lymphatic leukaemia. Murphy J, et al. **Ir J Med Sci** 1982 Feb;151(2):50

[Association of idiopathic pulmonary hemosiderosis and dermatitis] Madero López L, et al. **An Esp Pediatr** 1981 Jun;14(6):457–9 **(Spa)**

[Duhring-Brocq disease and myoma] Pozo Carballido JL. **Med Cutan Iber Lat Am** 1981;9(2):117–20 (Eng. Abstr.) **(Spa)**

DIAGNOSIS

Dermatitis herpetiformis-like changes in cutaneous leucocytoclastic vasculitis with IgA deposition. Jones RR, et al. **Clin Exp Dermatol** 1981 Sep;6(5):495–501

Dermatitis herpetiformis. Thiers BH. **J Am Acad Dermatol** 1981 Jul;5(1):114–7

[New aspects in dermatitis herpetiformis (editorial)] Friedman-Birnbaum R. **Harefuah** 1981 Jun 1;100(11):541–3

(Heb)

[Herpes gestations. Apropos of 2 cases] González Fernández AF, et al. **Actas Dermosifiliogr** 1981 May–Jun; 72(5–6):229–34 (Eng. Abstr.) **(Spa)**

DIET THERAPY

Gluten-free diet for dermatitis herpetiformis: the long-term effect on cutaneous, immunological and jejunal manifestations. Frödin T, et al. **Acta Derm Venereol (Stockh)** 1981;61(5):405–11

DRUG THERAPY

Therapy of childhood linear IgA dermatitis herpetiformis [letter] Schiffner JH. **J Am Acad Dermatol** 1982 Mar; 6(3):403–4

Dapsone and fatal hypoalbuminaemia [letter] Foster PN, et al. **Lancet** 1981 Oct 10;2(8250):806–7

[Long-term use of DDS by patients with Duhring's herpetiform dermatitis] Plechistova LA, et al. **Vestn Dermatol Venerol** 1981 Sep;(9):74–6 **(Rus)**

ETIOLOGY

Regional body temperature and disease [letter] Zone JJ. **N Engl J Med** 1982 Jan 28;306(4):239

FAMILIAL & GENETIC

Dermatomyositis and dermatitis herpetiformis. White SW, et al. **Arch Dermatol** 1982 Aug;118(8):599–601

IMMUNOLOGY

IgA pseudo-linear deposits in glomerular basement membranes in dermatitis herpetiformis. Bartoli E, et al. **Am J Clin Pathol** 1982 Sep;78(3):377–80

Dermatitis herpetiformis: immune complex detection with C1q and monoclonal rheumatoid factor. Jordon RE, et al. **Br J Dermatol** 1981 Aug;105(2):159–65

Anti-gliadin antibodies and small intestinal mucosal damage in dermatitis herpetiformis. Unsworth DJ, et al. **Br J Dermatol** 1981 Dec;105(6):653–8

Relation between HLA-DR-like antigens and secretory component (SC) in jejunal epithelium of patients with coeliac disease or dermatitis herpetiformis. Scott H, et al. **Clin Exp Immunol** 1981 May;44(2):233–8

Induction of IgA circulating immune complexes after wheat feeding in dermatitis herpetiformis patients. Zone JJ, et al. **J Invest Dermatol** 1982 May;78(5):375–80

IgA in dermatitis-herpetiformis skin is dimeric. Unsworth DJ, et al. **Lancet** 1982 Feb 27;1(8270):478–9

[Association between HLA antigens and juvenile dermatitis herpetiformis] Borelli I, et al. **G Batteriol Virol Immunol** 1980 Jul–Dec;73(7–12):158–64 **(Ita)**

[Study of beta 1H globulin in pemphigus, bullous pemphigoid and dermatitis herpetiformis (author's transl)] Sugiura M. **Nippon Hifuka Gakkai Zasshi** 1982 May;92(6):629–34 **(Jpn)**

METABOLISM

Food iron absorption in patients with dermatitis herpetiformis. Braide I, et al. **Acta Derm Venereol (Stockh)** 1982;62(3):225–8

PATHOLOGY

Inflammatory cells, IgA, C3, fibrin and fibronectin in skin lesions in dermatitis herpetiformis. Reitamo S, et al. **Br J Dermatol** 1981 Aug;105(2):167–77

THERAPY

Plasma exchange and dermatitis herpetiformis [letter] Wexler D, et al. **Arch Dermatol** 1982 Mar;118(3):141–2

Rapid improvement of dermatitis herpetiformis after elemental diet. van der Meer JB, et al. **Arch Dermatol Res** 1981;271(4):455–9

DERMATITIS MEDICAMENTOSA

DIAGNOSIS

[Dermatologic diagnosis in drug allergies] Kleine-Natrop HE. **Z Arztl Fortbild (Jena)** 1981 Feb 15;75(4):141–55 (51 ref.) **(Ger)**

[Exanthemas with fever – in infections – and childhood diseases – in drug therapy] Schwanitz HJ, et al. **ZFA (Stuttgart)** 1981 Oct 31;57(30):2045–52 **(Ger)**

ETIOLOGY

Acute renal failure, hemolytic anemia and skin rash associated with captopril therapy. Luderer JR, et al. **Am J Med** 1981 Sep;71(3):493–6

Spinal Opiate analgesia and facial pruritus [letter] Fischer HB, et al. **Anaesthesia** 1982 Jul;37(7):777–8

An unusual adverse drug reaction to thiopental. Butler JM, et al. **Anesthesiology** 1982 Jul;57(1):51–3

Topical medicaments which are common sensitizers. Fisher AA. **Ann Allergy** 1982 Aug;49(2):97–100

Quinidine-induced acne [letter] Burkhart CG. **Arch Dermatol** 1981 Oct;117(10):603–4

Captopril-induced eruptions [letter] Clement MI. **Arch Dermatol** 1981 Sep;117(9):525–6

Cimetidine-induced xerosis and asteatotic dermatitis. Greist MC, et al. **Arch Dermatol** 1982 Apr;118(4):253–4

Skin reactions to propranolol and cross sensitivity to beta-adrenoreceptor blocking agents. van Joost T, et al. **Arch Dermatol** 1981 Sep;117(9):600–1

Exfoliative dermatitis during cefoxitin therapy. Kannangara DW, et al. **Arch Intern Med** 1982 May;142(5):1031–2

Perioral dermatitis in renal transplant recipients maintained on corticosteroids and immunosuppressive therapy. Adams SJ, et al. **Br J Dermatol** 1982 May;106(5):589–92

Cutaneous manifestations of lithium toxicity. Heng MC. **Br J Dermatol** 1982 Jan;106(1):107–9 (28 ref.)

The inflammatory response to anthralin and its relation to aryl hydrocarbon hydroxylase. Kersey P, et al. **Br J Dermatol** 1981 Aug:105 Suppl 20:64–7

High incidence of amiodarone-induced photosensitivity in North-west England. Chalmers RJ, et al. **Br Med J [Clin Res]** 1982 Jul 31;285(6338):341

Recurrent trimethoprim-associated fixed skin eruption. Gibson JR **Br Med J [Clin Res]** 1982 May 22; 284(6328):1529–30

Skin necrosis after heparin injection [letter] Isaacs P, et al. **Br Med J [Clin Res]** 1982 Jan 16;284(6310):201

Cimetidine-induced erythema annulare centrifugum: no cross-sensitivity with ranitidine. Merrett AC, et al. **Br Med J [Clin Res]** 1981 Sep 12;283(6293):698

Allergy to antibacterials [letter] van Ketel WG, et al. **Br Med J [Clin Res]** 1982 Mar 27;284(6320):982–3

Severe cutaneous eruptions caused by thiacetazone used to treat tuberculosis in Rio Grande do Sul, Brazil. Public Health Dermatology Team, Tuberculosis Team, and Epidemiologic Control Unit, Rio Grande do Sul State Department of Health. **Bull Pan Am Health Organ** 1981; 15(2):113–20

Aclacinomycin A flare [letter] Glass EC. **Cancer Treat Rep** 1982 Aug;66(8):1683

Allergic reaction following administration of AMSA [letter] Rosenfelt FP, et al. **Cancer Treat Rep** 1982 Mar;66(3):594–5

Allergic reaction following administration of AMSA. Welt S, et al. **Cancer Treat Rep** 1981 Sep–Oct;65(9–10):919

An immunofluorescent study of the ampicillin rash. Gatter KC, et al. **Clin Allergy** 1982 May;12(3):279–80

Penicillamine-induced dermal fragility in Wilson's disease (hepato-lenticular degeneration). Shaw M, et al. **Clin Exp Dermatol** 1981 Jul;6(4):429–33

Allergic contact dermatitis due to o-phenylphenol. Adams RM. **Contact Dermatitis** 1981 Nov;7(6):332

Bavarian tiger balm. Agathos M. **Contact Dermatitis** 1982 May;8(3):215

Adverse photo reaction to decarbazine (DTIC). Bonifazi E, et al. **Contact Dermatitis** 1981 May;7(3):161

Contact dermatitis to tromantadine hydrochloride. Brandao FM, et al. **Contact Dermatitis** 1982 Mar;8(2):140–1

Chlorphenesin sensitivity. Brown R. **Contact Dermatitis** 1981 May;7(3):162

Allergic contact eczema from topical corticosteroids. Förström L, et al. **Contact Dermatitis** 1982 Mar;8(2):128–33

Allergy to dithranol. Lawlor F, et al. **Contact Dermatitis** 1982 Mar;8(2):137–8

Ichthammol sensitivity. Lawrence CM, et al. **Contact Dermatitis** 1981 Nov;7(6):335

Contact dermatitis from pyrrolnitrin. Meneghini CL, et al. **Contact Dermatitis** 1982 Jan;8(1):55–8

Allergic contact dermatitis due to the fungicide hexetidine. Merk H, et al. **Contact Dermatitis** 1982 May;8(3):216

Contact dermatitis to chlorhexidine. Osmundsen PE. **Contact Dermatitis** 1982 Mar;8(2):81–3

Patch testing in adverse drug reactions to penicillin and cephalosporin. Valsecchi R, et al. **Contact Dermatitis** 1981 May;7(3):158

Contact dermatitis from pyrrolnitrin. Valsecchi R, et al. **Contact Dermatitis** 1981 Nov;7(6):340

Contact sensitivity to imidazole derivatives. van Hecke E, et al. **Contact Dermatitis** 1981 Nov;7(6):348–9

Allergic dermatitis from Viru-Merz ointment, tromantadine hydrochloride and serol base. Van Ketel WG. **Contact Dermatitis** 1982 Jan;8(1):71

Healing of recalcitrant facial dermatitis by resting the skin. Gaul LE. **Cutis** 1981 Aug;28(2):212–4

Exfoliative dermatitis from captopril. Solinger AM. **Cutis** 1982 May;29(5):473–4

An usual presentation of fixed drug eruption. Kanwar AJ, et al. **Dermatologica** 1982 Feb;164(2):115–6

Secondary polymorphic eruptions in allergic contact dermatitis. Meneghini CL, et al. **Dermatologica** 1981; 163(1):63–70

Drugs causing fixed drug eruptions. Shukla SR. **Dermatologica** 1981;163(2):160–3

Uncharacteristic cutaneous reactions induced by quinidine. Holt RJ. **Drug Intell Clin Pharm** 1982 Jul–Aug; 16(7–8):615–6

Necrobiotic granulomas associated with bovine collagen test site injections. Barr RJ, et al. **J Am Acad Dermatol** 1982 May;6(5):867–9

Psoriasiform eruption induced by digoxin: confirmed by re-exposure. David M, et al. **J Am Acad Dermatol** 1981 Dec;5(6):702–3

Allergic contact dermatitis to povidone-iodine. Marks JG Jr. **J Am Acad Dermatol** 1982 Apr;6(4 Pt 1):473–5

Potentiation of ampicillin skin reactions by allopurinol or hyperuricemia. Jick H, et al. **J Clin Pharmacol** 1981 Oct; 21(10):456–8

Captopril-induced skin eruptions. Luderer JR, et al. **J Clin Pharmacol** 1982 Apr;22(4):151–9

Cortisone skin injuries. Skin injuries in atrophic skin of patients receiving corticosteroid therapy. Kikuchi I, et al. **J Dermatol (Tokyo)** 1981 Oct;8(5):419–22

Lichenoid reaction of oral mucosa and skin to methyldopa. Brooks SL. **J Oral Med** 1982 Apr–Jun;37(2):42–4

Intraoral fixed drug eruption following tetracycline administration. Murray VK, et al. **J Periodontol** 1982 Apr; 53(4):267–8

Medicament contact dermatitis in patients with chronic inflammatory ear disease. Holmes RC, et al. **J R Soc Med** 1982 Jan;75(1):27–30

Fixed drug eruption from chlorphenesin carbamate [letter] Coskey RJ. **JAMA** 1982 Jul 2;248(1):30–1

Fixed genital drug eruption due to dapsone. A case report. Sinha MR. **Lepr India** 1982 Jan;54(1):152–4

Iatrogenic dermatitis. Caro I. **Med Clin North Am** 1981 Sep; 65(5):1083–8 (36 ref.)

Fixed drug eruption to griseofulvin. Thyagarajan K, et al. **Mykosen** 1981 Aug;24(8):482–4

Erythromelalgia-like eruption in parkinsonian patients treated with bromocriptine. Eisler T, et al. **Neurology (NY)** 1981 Oct;31(10):1368–70

Skin reactions to dapsone [letter] Ree GH, et al. **Papua New Guinea Med J** 1981 Mar;24(1):57–8

Skin reactions after triple vaccine. Orlans D, et al. **Practitioner** 1982 Jul;226(1369):1295–6

Contact dermatitis of the ear [letter] Sellars SL, et al. **S Afr Med J** 1982 Jul 31;62(6):153

Clinical toxicity of chemotherapeutic agents: dermatologic toxicity. Dunagin WG. **Semin Oncol** 1982 Mar;9(1):14–22

Probable fixed drug eruption from contact with a patient treated with tetracycline. Fiumara NJ, et al. **Sex Transm Dis** 1981 Oct–Dec;8(4):258–9

Common drug reactions: their mechanisms and management. Blaylock WK. **Va Med** 1981 Aug;108(8):529–33 (0 ref.)

[Side effects of ticlopidine; clinical observation and immunological study] de Fraiture WH, et al. **Ned Tijdschr Geneeskd** 1982 Jun 5;126(23):1051–4 (Eng. Abstr.) **(Dut)**

[Problems in allergological studies of a patient with a probable Flammazine cream allergy] van der Horst JC, et al. **Ned Tijdschr Geneeskd** 1982 May 8;126(19):841–3 **(Dut)**

[Drug-induced skin eruptions] Kalimo K, et al. **Duodecim** 1981;97(8):499–510 **(Fin)**

[Skin reactions to piroxicam (three cases) (author's transl)] Faure M, et al. **Ann Dermatol Venereol** 1982;109(3):255–8 (Eng. Abstr.) **(Fre)**

[Review: beta-blocking agents in dermatology (author's transl)] Clerens A, et al. **Dermatologica** 1981;163(1):5–11 (Eng. Abstr.) **(Fre)**

[Toxic dermatitis caused by cimetidine. A case report (letter)] Pasquier P, et al. **Nouv Presse Med** 1981 Oct 10;10(36):2994 **(Fre)**

[Cutaneous manifestations following parenteral vitamin K1 administration (author's transl)] Jean-Pastor MJ, et al. **Therapie** 1981 May–Jun;36(3):369–74 (Eng. Abstr.) **(Fre)**

[Drug exanthema in cardiopaths caused by inorganic iodine preparations. Report of two cases (author's transl)] Farkaš J. **Dermatol Monatsschr** 1981 Sep;167(9):579–81 (Eng. Abstr.) **(Ger)**

[Undesirable side effects on the skin caused by lithium therapy--case report and references (author's transl)] Stamm T, et al. **Psychiatr Prax** 1981 Nov;8(4):152–4 (Eng. Abstr.) **(Ger)**

[Dermal changes in response to hormonal contraceptives (author's transl)] Scholz C, et al. **Zentralbl Gynakol** 1981; 103(19):1158–64 **(Ger)**

[Lichenoid skin eruption due to quinidine] Haim R, et al. **Harefuah** 1981 Dec 1;101(11):310–1 (Eng. Abstr.) **(Heb)**

[Drug eruption by solution trioxyethylene hydrogenated castor oil (HCO-60) in vitamin K2 (author's transl)] Okabe S. **Nippon Hifuka Gakkai Zasshi** 1981 Jun;91(7):759–62 **(Jpn)**

[Drug-induced lichen planus (author's transl)] Watanabe C. **Nippon Hifuka Gakkai Zasshi** 1981 Sep;91(10):1051–62 **(Jpn)**

[Contact dermatitis caused by Allium sativum] Martinescu E. **Rev Med Chir Soc Med Nat Iasi** 1981 Jul–Sep; 85(3):541–2 (Eng. Abstr.) **(Rum)**

[Severe medicamentous disease induced by aminazine and barbiturates] Sandler BB, et al. **Sov Med** 1981;(9):116–7 **(Rus)**

IMMUNOLOGY

Drug-induced bullous dermatosis with linear IgA deposits along the basement membrane. Gabrielsen TO, et al. **Acta Derm Venereol (Stockh)** 1981;61(5):439–41

Immunofluorescence microscopy. The 'string of Pearls' phenomenon-an immunofluorescent serological finding in patients screened for adverse drug reactions. McQueen A, et al. **Am J Dermatopathol** 1982 Apr;4(2):155–9

Deposition of immunoglobulin and complement in mucocutaneous lesions related to treatment with D-penicillamine. Egeland T, et al. **J Oral Pathol** 1982 Jun; 11(3):183–90

[T & B-lymphocytes and immunoglobulins of the serum in drug eruptions of immediate type (author's transl)] Mészáros C, et al. **Z Hautkr** 1981 Jun 15;56(12):786–93

(Eng. Abstr.) (Ger)

PATHOLOGY

Monsel's solution and histological lesions [letter] Hanau D, et al. **Am J Dermatopathol** 1981 Winter;3(4):418–9

Failure of drug rash to appear in a previously irradiated site. Cochran RJ, et al. **Arch Dermatol** 1981 Dec;117(12):810–1

Histopathological evaluation of cocaine–induced skin lesions in the rat. Bruckner JV, et al. **J Cutan Pathol** 1982 Apr; 9(2):83–95

Penicillin and cephalosporin—induced rash in guinea pigs. Ikezawa Z, et al. **J Dermatol (Tokyo)** 1982 Feb;9(1):13–21

[Severe poikiloderma and tolamolol (author's transl)] Fierens F, et al. **Dermatologica** 1982 Feb;164(2):109–14 (Fre)

[Drug–induced exanthemas] Ring J. **MMW** 1982 Mar 19; 124(11):97–8, 100–1 (Ger)

[Experimental drug–induced rash and systemic cutaneous basophil hypersensitivity (author's transl)] Kitamura K, et al. **Nippon Hifuka Gakkai Zasshi** 1981 Jul;91(8):829–35 (Jpn)

DERMATITIS, PHOTOCONTACT see **PHOTOSENSITIVITY DISORDERS**

DERMATITIS SEBORRHEICA see **SEBORRHEA**

DERMATITIS VENENATA see **DERMATITIS, CONTACT**

DERMATITIS VERRUCOSA see **CHROMOBLASTOMYCOSIS**

DERMATOGLYPHICS

A comparative study of quantitative dermatoglyphics in depressive neurosis and manic–depressive psychosis. Balgir RS. **Acta Anthropogenet** 1980;4(3–4):195–9

Effect of natural background radiation on dermatoglyphic traits. Bhasin MK, et al. **Acta Anthropogenet** 1980; 4(1–2):1–27

The relationship between total ridge–count, absolute ridge–count and pattern intensity index revisited. Kshatriya GK, et al. **Acta Anthropogenet** 1980;4(3–4):187–93

Dermal ridge configurations in retinal detachment. Padma T, et al. **Acta Anthropogenet** 1980;4(1–2):41–50

Determinants of ridge counts in MZ twin kinships. Phelan MC, et al. **Acta Genet Med Gemellol (Roma)** 1981; 30(1):59–66

Finger–tip dermatoglyphics of Zagreb inhabitants – analysis of topologically significant pattern elements. Skrinjarić I, et al. **Acta Med Iugosl** 1981;35(4):245–58

Dermatoglyphics in cleft lip and palate—analysis of fingertip patterns. Škrinjarić I. **Acta Med Iugosl** 1982;36(1):23–37

Genetic heterogeneity for fingertip arches [letter] Reed T, et al. **Am J Hum Genet** 1982 Mar;34(2):357–8

Maternal effects in dermatoglyphics: similarities from twin studies among palmar, plantar, and fingertip variables. Reed T, et al. **Am J Hum Genet** 1982 Mar;34(2):349–52

Dermatoglyphic feature of myocardial infarction patients. Anderson MW, et al. **Am J Phys Anthropol** 1981 Aug; 55(4):523–7

Sole dermatoglyphics in the Forest Nentsy, Nganasans, and Chukchi: dermatoglyphic distances. Lemza SV, et al. **Am J Phys Anthropol** 1982 Mar;57(3):245–52

Path analysis of total palmar pattern ridge counts. Malhotra KC, et al. **Am J Phys Anthropol** 1982 Jun;58(2):187–9

A dermatoglyphic study of the Malays and Chinese of Malaysia. Ganeson D, et al. **Ann Hum Biol** 1982 May–Jun; 9(3):283–5

The morphology of the hypothenar radial arch: a study of hypothenar patterns in the Faroe Islands population. Harvey RG. **Ann Hum Biol** 1982 Mar–Apr;9(2):103–11

Geographic variability of digital ridge–counts: principal components analysis of male and female world samples. Leguebe A, et al. **Ann Hum Biol** 1981 Nov–Dec;8(6):519–28

Evidence for directional non–additivity in the genetics of finger ridge counts. Martin NG, et al. **Ann Hum Biol** 1982 May–Jun;9(3):253–63

Genetic studies on total finger ridge count among Telaganya Brahmins of Andhra Pradesh, India. Mathew S, et al. **Ann Hum Biol** 1981 Nov–Dec;8(6):567–72

Regression analysis of digital ridge counts on pattern intensity index: a developmental interpretation. Suter D. **Ann Hum Biol** 1982 Jan–Feb;9(1):45–56

Palmar dermatoglyphics of the Khatri males. Sharma VK, et al. **Anthropol Anz** 1982 Mar;40(1):51–5

Dermatoglyphic studies in affective disorders: an appraisal. Balgir RS. **Biol Psychiatry** 1982 Jan;17(1):69–82

Dermatoglyphics. Miller JR. **Birth Defects** 1981;17(2):67–78 (56 ref.)

Normal values of 12 dermatoglyphic parameters in Chinese Hans. Zhang HG, et al. **Chin Med J [Engl]** 1982 Mar; 95(3):197–202

46,XY/48,XXY, +8 in a male with clinical and dermatoglyphic features of mosaic trisomy 8 syndrome. Casey PA, et al. **Clin Genet** 1981 Jul;20(1):60–3

Fetal dermatoglyphics. Katznelson MB, et al. **Clin Genet** 1982 Apr;21(4):237–42

Dermatoglyphic and cytogenetic studies in parents of children with trisomy 21. Schmidt R, et al. **Clin Genet** 1981 Sep;20(3):203–10

Geographical affinities among human populations from Wales and from regions in North and Central England on the basis of epidermal ridge markers. A discriminant function approach. Dennis RL, et al. **Hum Biol** 1982 May; 54(2):403–15

Digital dermatoglyphics in Italians. Gualdi–Russo E, et al. **Hum Biol** 1982 May;54(2):373–86

Sequential developmental components of digital dermatoglyphics. Meier RJ. **Hum Biol** 1981 Dec; 53(4):557–73

Finger ridge–count variation in 45,X Turner's syndrome. Jantz RL, et al. **Hum Genet** 1981;57(4):376–9

The corrected atd angle. David TJ. **Hum Hered** 1981; 31(5):283–5

Distribution, age and sex variation of the mean epidermal ridge breadth. David TJ. **Hum Hered** 1981;31(5):279–82

Digital dermatoglyphics in children with beta–thalassemic trait. Gualdi–Russo E, et al. **Hum Hered** 1981;31(4):238–41

Dermatoglyphic studies in the parents of trisomy 21 children I. Distribution of dermatoglyphic discriminants. Loesch D. **Hum Hered** 1981;31(4):201–7

Dermatoglyphics as diagnostic tool in common chromosome disorders. Saha KC. **Indian J Dermatol** 1980 Jul;25(3):21–30

Differences between schizophrenics and normal controls using chirological (hand) testing. Pomrock YH, et al. **Isr J Psychiatr Relat Sci** 1982;19(1):5–22

A study of palmar dermatoglyphics in leprosy. Nagar KS, et al. **J Assoc Physicians India** 1981 Oct;29(10):841–7

A clinical evaluation of the total first metatarsophalangeal joint prosthesis: the use of footprints in assessing foot contact. Arenson DJ, et al. **J Foot Surg** 1981 Fall; 20(3):117–23

Laser detection of latent fingerprints: ninhydrin. Herod DW, et al. **J Forensic Sci** 1982 Jan;27(1):200–4

Fingerprint comparison. I: Similarity of fingerprints. Lin CH, et al. **J Forensic Sci** 1982 Apr;27(2):290–304

Familial dermatoglyphic analysis in syndactyly type I. Matton M, et al. **J Hand Surg** 1981 Nov;6(6):537–42

Dermatoglyphs in congenital heart disease. David TJ. **J Med Genet** 1981 Oct;18(5):344–9

Pseudopseudohypoparathyroidism with lymphoedema and abnormal dermatoglyphics. Donald JM, et al. **J Ment Defic Res** 1981 Sep;25(Pt 3):199–205

The Sydney line and the simian line: the incidence in Down's syndrome patients with mental retardation and Japanese controls. Shiono H, et al. **J Ment Defic Res** 1982 Mar;26(Pt 1):3–9

Dermatoglyphic analyses of 24 individuals with the Prader–Willi syndrome. Smith A, et al. **J Ment Defic Res** 1982 Jun;26 (Pt2):91–9

Footprinting the newborn infant: not cost effective. Thompson JE, et al. **J Pediatr** 1981 Nov;99(5):797–8

Genetic study of hypothenar patterns on the palm: estimation of the heritability of liability. Katayama K. **Jinrui Idengaku Zasshi** 1981 Dec;26(4):279–88

Absence of palmar digital triradius d in Japanese twins and their families. Okajima M, et al. **Jinrui Idengaku Zasshi** 1982 Mar;27(1):27–34

Study of dermatoglyphics in tuberculoid leprosy. Kapur TR, et al. **Lepr India** 1982 Jan;54(1):143–8

Embryonic migration during the prenatal development of palm print patterns. David TJ. **Med Hypotheses** 1981 May; 7(5):639–44

Minor physical anomalies, footprints, and behavior: was the Buddha right? Draper TW, et al. **Percept Mot Skills** 1982 Apr;54(2):455–9

Progress in dermatoglyphic research. Based on the proceedings of an International Conference on Dermatoglyphics, Athens, Greece, September 20–23, 1981. **Prog Clin Biol Res** 1982;84:1–471

Genetical variation in palmar features. Abdullah NF. **Prog Clin Biol Res** 1982;84:269–84

Paleodermatoglyphics. Bartsocas CS. **Prog Clin Biol Res** 1982;84:139–43

Digital and palmar dermatoglyphics in Greeks. Bartsocas CS, et al. **Prog Clin Biol Res** 1982;84:247–67

Grandparental influences in the expression of dermatoglyphics patterns on the fingertips. Bener A. **Prog Clin Biol Res** 1982;84:145–56

Palmar dermatoglyphics in Wilms' tumor. Curró V, et al. **Prog Clin Biol Res** 1982;84:385–91

Parental influences on fingerdermatoglyphics. de Wilde AG, et al. **Prog Clin Biol Res** 1982;84:93–104

Further studies on dermatoglyphic associations. Fortich Baca VI. **Prog Clin Biol Res** 1982;84:157–73

Finger ridge counts and TFRC among the five Turkman groups in Iran. Kamali MS. **Prog Clin Biol Res** 1982; 84:317–23

The Dermatoglyphics of Jewish XXY Klinefelter's and X Turner's patients. Katznelson MB. **Prog Clin Biol Res** 1982; 84:435–49

Dermatoglyphics of Jewish Down patients. Katznelson MB. **Prog Clin Biol Res** 1982;84:335–52

Parameters used to describe less common single major genes expressed in dermatoglyphic features. Kloepfer HW. **Prog Clin Biol Res** 1982;84:105–9

Genetic studies of dermatoglyphics–advances and limitations. Loesch DZ. **Prog Clin Biol Res** 1982;84:45–77

Palmar hypothenar triradii in primates: some methodological and evolutionary considerations. Malhotra KC. **Prog Clin Biol Res** 1982;84:203–46

Study of total pattern intensity in Japanese population with special reference to autosomal aneuploidy. Matsui I. **Prog Clin Biol Res** 1982;84:129–37

Dermatogiyphics: looking forward to the 21st century. Mavalwala J. **Prog Clin Biol Res** 1982;84:13–23

A population study of finger dermal patterns and ridge counts. Mi MP, et al. **Prog Clin Biol Res** 1982;84:285–93

A study of dermatoglyphics and myocardial infarction. Mi MP, et al. **Prog Clin Biol Res** 1982;84:421–5

Ridge count of finger dermal patterns. Mi MP, et al. **Prog Clin Biol Res** 1982;84:295–301

Nonhuman primate dermatoglyphics: implications for human biomedical research. Newell–Morris L, et al. **Prog Clin Biol Res** 1982;84:189–202

A methodological approach to the development of epidermal ridges viewed on the dermal surface of fetuses. Okajima M. **Prog Clin Biol Res** 1982;84:175–88

Dermatoglyphics in vitiligo. Oyhenart–Perera M, et al. **Prog Clin Biol Res** 1982;84:427–33

Population variation in dermatoglyphics: field theory. Roberts DF. **Prog Clin Biol Res** 1982;84:79–91

Dermatoglyphic studies in parents of children with trisomy 21: detection of hidden mosaicism and its role in genetic counselling. Rodewald A, et al. **Prog Clin Biol Res** 1982; 84:371–84

Dermatoglyphics findings in families with X–linked hypohidrotic(or anhidrotic) ectodermal dysplasia(HED). Rodewald A, et al. **Prog Clin Biol Res** 1982;84:451–8

Medical applications of dermatoglyphics. Schaumann B, et al. **Prog Clin Biol Res** 1982;84:33–44

Dermatoglyphics in seizure disorders. Schaumann B, et al. **Prog Clin Biol Res** 1982;84:325–34

Development of palm and main–life configurations in Down's syndrome. Singh DN, et al. **Prog Clin Biol Res** 1982; 84:353–70

Digital ridge–count variations in some castes of India. Singh RD. **Prog Clin Biol Res** 1982;84:303–15

Diagnostic significance of dermatoglyphics in certain birth defects. Temtamy SA, et al. **Prog Clin Biol Res** 1982; 84:393–420

Dermatoglyphic research and the clinician. Wertelecki W, et al. **Prog Clin Biol Res** 1982;84:25–31

Dermatoglyphics and systemic lupus erythematosus. Vormittag W, et al. **Scand J Rheumatol** 1981;10(4):296–8

The digital triradii of the palm: a dermatoglyphic study. Micle S, et al. **Z Morphol Anthropol** 1980;71(3):322–8

Correspondence analysis of digital dermatoglyphics in sub–Saharan Africa and Madagascar. Vecchi F. **Z Morphol Anthropol** 1982 Jan;73(1):37–49

[Fingerprints as a diagnostic criterion in children with congenital oligophrenia] Elazarova L. **Akush Ginekol (Sofiia)** 1981;20(4):302–5 (Eng. Abstr.) (Bul)

[Dermatoglyphic characteristics of children with congenital deformities] Elazarova L. **Akush Ginekol (Sofiia)** 1981; 20(5):382–8 (Eng. Abstr.) (Bul)

[Studies of the epidermal pattern system of the palms and soles of the howler monkeys (Alouatta) (author's transl)] Brehme H, et al. **Folia Primatol (Basel)** 1981; 36(3–4):277–309 (Eng. Abstr.) (Ger)

[Plantar creasing and assessment of gestational age of the newborn (author's transl)] Bartl W, et al. **Wien Klin Wochenschr** 1981 Nov 13;93(21):673–6 (Eng. Abstr.) (Ger)

[Water uptake of dermatoglyphic skin (author's transl)] Weber W. **Z Rechtsmed** 1982;88(3):185–93 (Eng. Abstr.) (Ger)

[Dermatoglyphic characteristics in abortion] Bel'tseva NA, et al. **Akush Ginekol (Mosk)** 1982 Mar;(3):44–7 (Eng. Abstr.) (Rus)

[Etiology of vaginal and uterine abnormalities] Kurbanova AG, et al. **Akush Ginekol (Mosk)** 1982 Feb;(2):43–6 (Eng. Abstr.) (Rus)

[Clinical and dermatoglyphic parameters in husbands and wives with normal reproductive function] Murav'eva MV. **Akush Ginekol (Mosk)** 1982 May;(5):49–52 (Rus)

[Polygenic threshold model and the phenogenetic aspects of human fingerprints] Voĭtenko VP, et al. **Genetika (Moskva)** 1981;17(12):2204–11 (Eng. Abstr.) (Rus)

[Diagnosis of the Shereshevskiĭ–Turner syndrome by using dermatoglyphic indices] Sil'vanskaia EM, et al. **Tsitol Genet** 1982;16(1):49–52 (Rus)

[Study of dermatoglyphics in chronic cholecystitis] Meleshkina KG. **Vrach Delo** 1981 Oct;(10):62–4 (Eng. Abstr.) (Rus)

CLASSIFICATION

A proposed formulation of palmar patterns with special reference to Jatavs and other Indian populations. Mukherjee DP, et al. **Acta Anthropogenet** 1980;4(1–2):71–84

Fingerprint comparison. II: On the development of a single fingerprint filing and searching system. Liu JH, et al. **J Forensic Sci** 1982 Apr;27(2):305–17

Progress in genetics of palmar pattern ridge counts in man. Malhotra KC, et al. **Prog Clin Biol Res** 1982;84:111–28

[The appearance forms of plantar zygodactylic triradii in the Vienna population] Aue–Hauser G. **Z Morphol Anthropol** 1981;72(2):195–203 (Eng. Abstr.) (Ger)

[Epidermal patterns of primate palms and soles: Lagothrix and Ateles (Cebidae)] Brehme H, et al. **Z Morphol Anthropol** 1981;72(3):283–313 (Eng. Abstr.) (Ger)

[Dermatoglyphics in the study of genetic processes in human

populations (the example of the population of Arminia)] Kochar NR, et al. **Genetika (Moskva)** 1981;17(8):1508–20 (Eng. Abstr.) **(Rus)**

HISTORY

Changing trends in dermatoglyphic research. Plato CC, et al. **Prog Clin Biol Res** 1982;84:1–11

DERMATOLOGIC AGENTS

see related
ANTI-INFECTIVE AGENTS, LOCAL

The FDA Maze. Levy J. **Cutis** 1982 Jan;29(1):54–60
[Dermatologic agents II] Fröhlich HH.
Pharm Unserer Zeit 1981 Nov;10(6):168–80 **(Ger)**

ADMINISTRATION & DOSAGE

Importance of pharmaceutical formulation for dermatological preparations. Ross G. **Boll Chim Farm** 1981 Aug; 120(8):437–57
[Topical treatment of skin diseases of childhood. Part II. Special therapy] Horáková M. **Cesk Pediatr** 1981 Aug; 36(8):470–4 **(Cze)**

ADVERSE EFFECTS

Bavarian tiger balm. Agathos M. **Contact Dermatitis** 1982 May;8(3):215
Allergy to phenyl salicylate. Calnan CD, et al.
Contact Dermatitis 1981 Jul;7(4):208–11
Skin reactions to a urea-containing cream. Cramers M, et al. **Contact Dermatitis** 1981 Jul;7(4):189–91
Contact dermatitis to Aloe arborescens. Shoji A.
Contact Dermatitis 1982 May;8(3):164–7
Sensitivity to resorcin. Waddell MM, et al.
Contact Dermatitis 1981 Jul;7(4):216
Healing of recalcitrant facial dermatitis by resting the skin. Gaul LE. **Cutis** 1981 Aug;28(2):212–4
Secondary polymorphic eruptions in allergic contact dermatitis. Meneghini CL, et al. **Dermatologica** 1981; 163(1):63–70
[Problems in allergological studies of a patient with a probable Flammazine cream allergy] van der Horst JC, et al. **Ned Tijdschr Geneeskd** 1982 May 8;126(19):841–3 **(Dut)**
[Systemic side-effects of topical preparations in children (author's transl)] Saurat JH. **Ann Pediatr (Paris)** 1982 Jan; 29(1):8–14 (Eng. Abstr.) **(Fre)**
[Systemic side-effects of topical preparations in children (author's transl)] Saurat JH. **Sem Hop Paris** 1982 Jul 1; 58(26–27):1643–9 (31 ref.) (Eng. Abstr.) **(Fre)**
[Contact allergy due to the topical antiperspirant propantheline bromide (author's transl)] Gall H, et al. **Derm Beruf Umwelt** 1982;30(2):55–6, 57 (Eng. Abstr.) **(Ger)**
[Dermatological side effects. Therapeutic benefits gained from their observation] Schneider W. **ZFA (Stuttgart)** 1982 May 10;58(13):737–9 **(Ger)**
[Frequency of sensitization to various allergens in patients having thrombophlebitis and/or varicose ulcers] Grimalt F, et al. **Med Cutan Iber Lat Am** 1981;9(6):415–8 (Eng. Abstr.) **(Spa)**
[Frequency of sensitization to various allergens in patients having thrombophlebitis and/or varicose ulcers] Vilaplana J, et al. **Med Cutan Iber Lat Am** 1981;9(6):409–14 (Eng. Abstr.) **(Spa)**

PHARMACODYNAMICS

On the use of infrared spectroscopy for the in vivo measurement of the water content of the horny layer after application of dermatologic ointments. Gloor M, et al. **Arch Dermatol Res** 1981;271(3):305–13
[The antihistaminic effect of a gel for burns and wounds containing tyrothricin, fomocaine, diphenhydramine and 8-hydroxyquinoline (author's transl)] Oelschläger H, et al. **Arzneimittelforsch** 1982;32(1):72–5 (Eng. Abstr.) **(Ger)**
[Principal problems of external dermatotherapy] Gloor M. **Fortschr Med** 1982 Apr 22;100(15):701–7 **(Ger)**
[Dermatologic agents. I. Skin resorption and skin and mucous membrane disinfection] Fröhlich HH.
Pharm Unserer Zeit 1981 Sep;10(5):129–44 **(Ger)**
[The effect of keratinase on human epidermis, especially on stratum corneum (author's transl)] Takiuchi I, et al.
Nippon Hifuka Gakkai Zasshi 1981 Feb;91(2):119–25 **(Jpn)**

THERAPEUTIC USE

Treatment of herpes simplex [letter] Banks PA.
Br Dent J 1981 Oct 6;151(7):214
The use of megestrol acetate in some feline dermatological problems. Gosselin Y, et al. **Can Vet J** 1981 Dec; 22(12):382–4
Use of Buf-Puf and benzoyl peroxide in the treatment of acne. Millikan LE, et al. **Cutis** 1981 Aug;28(2):201–5
Treatment of palmoplantar pustulosis with Tigason. Thune P. **Dermatologica** 1982 Jan;164(1):67–72
Dermatologic therapy: December, 1979, through November, 1980. Coskey RJ. **J Am Acad Dermatol** 1981 Jul;5(1):67–87 (169 ref.)
A multicentre general practice study to compare Psoradrate 0.1% and Dithrocream 0.1% in the treatment of chronic psoriasis. Budden MG. **J Int Med Res** 1982;10(1):15–21
The use of ambiphilic dermatological cream and radiation dermatitis in radiation therapy: a clinical study at Siriraj hospital, Bangkok. Tepmongkol P, et al.
J Med Assoc Thai 1981 Jul;64(7):328–32
The bequests of Moncrief and Moyer: an appraisal of topical therapy of burns– 1981 American Burn Association Presidential Address. Hartford CE. **J Trauma** 1981 Oct; 21(10):827–34
Managing hand dermatitis in the workplace. Mathias CG. **Occup Health Saf** 1982 May;51(5):46–7, 50
Treatment of psoriasis of the scalp with betamethasone 17, 21-dipropionate plus salicylic acid lotion ('Diprosalic'). Høvding G. **Pharmatherapeutica** 1981;3(1):61–6
Suppression of chronic inflammation by evening primrose oil. Kunkel SL, et al. **Prog Lipid Res** 1981;20:885–8
[Use of the products of bee-keeping in dermatology] Romanenko GF, et al. **Vestn Dermatol Venerol** 1981 Jul; (7):25–8 (72 ref.) **(Rus)**

DERMATOLOGY

see related
SKIN DISEASES

A critique of the American and Canadian procedures of examination in dermatopathology. Jakubovic HR.
Am J Dermatopathol 1982 Jun;4(3):283–4
The meaning of pathology and dermatopathology in historical perspective. King DF. **Am J Dermatopathol** 1982 Apr;4(2):125–6
Legal aspects of dermatopathology. Masington RS.
Am J Dermatopathol 1981 Fall;3(3):313–4
Dermatology in the People's Republic of China [letter] Weiss JW. **Arch Dermatol** 1982 Feb;118(2):71–3
Dermatological games. Cotterill JA. **Br J Dermatol** 1981 Sep; 105(3):311–20
Guidelines on preparing a medical report for compensation purposes. McMillan EM, et al. **Br J Dermatol** 1982 Apr; 106(4):489–94
Dermatological aphorisms. Oliver R. **Cent Afr J Med** 1981 Aug;27(8):159
The role of clinical trials in dermatology. Corbett MF.
Clin Exp Dermatol 1981 Jul;6(4):411–7
Dermatology in the Soviet Union. Report of a cultural exchange visit to dermatological departments in the Soviet Union. Fox ED, et al. **Clin Exp Dermatol** 1981 Sep; 6(5):537–42
The medico-legal jungle. Murray R. **Clin Exp Dermatol** 1981 May;6(3):259–61
Association of Professors of Dermatology. Everett MA.
Int J Dermatol 1981 Oct;20(8):548–9
Problem-oriented medical reading—'POMR'. Rauch JS.
Int J Dermatol 1981 Sep;20(7):482
Dermatology and internal medicine [letter] Barry RJ.
J Am Acad Dermatol 1982 May;6(5):952–3
Somber perspective for dermatology [letter] Berger SS.
J Am Acad Dermatol 1981 Nov;5(5):619–20
The purposes of international congresses of dermatology. Braun-Falco O. **J Am Acad Dermatol** 1982 Feb;6(2):164–7
The circumstances of the missing biographer or why Watson didn't narrate these four Sherlock Holmes stories. Caplan RM. **J Am Acad Dermatol** 1982 Jun;6(6):1112–4
Evaluation of a history questionnaire in dermatologic practice. Epstein E. **J Am Acad Dermatol** 1981 Nov; 5(5):586–91
Dermatology and surgery [letter] Field LM.
J Am Acad Dermatol 1982 Jul;7(1):135–6
Significant progress in dermatologic research since 1977. Lapiere CM. **J Am Acad Dermatol** 1982 Feb;6(2):200–8
DermLit [editorial] Levit F. **J Am Acad Dermatol** 1982 Feb; 6(2):267–8
Sources of support for skin research in departments and divisions of dermatology in the United States. Pochi PE. **J Am Acad Dermatol** 1982 Jun;6(6):1108–11
First Pan African Congress of Dermatology: Role of the Foundation for International Dermatologic Education (FIDE). Samitz MH, et al. **J Am Acad Dermatol** 1982 May; 6(5):954–6
My companions on the International Committee of Dermatology. Sulzberger MB. **J Am Acad Dermatol** 1982 Feb;6(2):179–94
Primary care and dermatology [letter] Taylor JM.
J Am Acad Dermatol 1982 May;6(5):945–7
Activities of the International Committee of Dermatology. Thyresson N. **J Am Acad Dermatol** 1982 Feb;6(2):168–72
A photographic gem: photography by a photocopying machine. White SW. **J Dermatol Surg Oncol** 1981 Sep; 7(9):682–3
The Society for Investigative Dermatology, Inc.
J Invest Dermatol 1982 Jan;78(1):84–6
[Occupational dermatoses. Official reports of dermatologists. Official procedures for dermatologists. Round table]
Z Hautkr 1981 May 15;56(10):639–71 **(Ger)**
[Dermatologic corticosteroid therapy up-date] Crespi HG. **Actas Dermosifiliogr** 1981 Mar-Apr;72(3–4):95–100 **(Spa)**
[Spanish-Latin-American College of Dermatology]
Med Cutan Iber Lat Am 1981;9(6):433–94 **(Spa)**

ECONOMICS

The National Association of Insurance Commissioners (NAIC) Medical Malpractice Closed Claim Study 1975–1978. A review of dermatologic claims. Altman J. **J Am Acad Dermatol** 1981 Dec;5(6):721–5
Socioeconomic issues in dermatology. Goodman LJ, et al. **J Am Acad Dermatol** 1981 Dec;5(6):711–20

EDUCATION

Pedagogy in dermatopathology [editorial] Ackerman AB. **Am J Dermatopathol** 1982 Jun;4(3):197–8
Dermatologic training of primary care physicians without a dermatology residency program. Krusinski PA, et al. **Int J Dermatol** 1982 Apr;21(3):152–3
Foundation for International Dermatologic Education: a model for education assistance for developing countries. Samitz MH, et al. **Int J Dermatol** 1981 Dec;20(10):651–2
A decade of progress in education and communication in dermatology. Kopf AW. **J Am Acad Dermatol** 1982 Feb; 6(2):209–14
The fellowship in Mohs' surgery: a personal experience. Dzubow LM. **J Dermatol Surg Oncol** 1981 Oct;7(10):793
[2 years in Iraq] Záruba F. **Cesk Dermatol** 1982 Apr; 57(2):103–6 **(Cze)**
[Experience in improving the qualifications of dermatologists and venereologists by postgraduate lecture tours] Anton'ev AA, et al. **Vestn Dermatol Venerol** 1982 Mar;(3):29–32 (Eng. Abstr.) **(Rus)**
[Instructional, methodological and ideological education work experience in the Department of Skin Diseases of the Pirogov II Moscow Medical Institute] Skripkin IuK, et al. **Vestn Dermatol Venerol** 1981 Aug;(8):35–8 **(Rus)**
[Health education in dermatology] Hernández Llorente T, et al. **Actas Dermosifiliogr** 1981 Jul–Aug;72(7–8):317–24 **(Spa)**

HISTORY

Contributions to the anatomy and pathology of the human skin by Felix von Bärensprung. 1848.
Am J Dermatopathol 1982 Feb;4(1):41–3
William Osler and dermatology, pathology, and dermatopathology. Brodin MB. **Am J Dermatopathol** 1981 Fall;3(3):261–4
A visit to Dr. Unna's clinic in Hamburg. an excerpt: British Journal of Dermatology 1890. Brooks HG.
Am J Dermatopathol 1982 Jun;4(3):225–8
Etiology of an anatomist's discoveries in dermatology. Pinkus H. **Am J Dermatopathol** 1982 Apr;4(2):127–35
Prosper Baumès, dermatologist of Lyon 1791–1871 and the Willan-Alibert controversy. **Br J Dermatol** 1981 Dec; 105(6):727–31
Early continuing medical education in dermatology. Bauriedel K. **Int J Dermatol** 1981 Nov;20(9):614–5
Dermatologists on postage stamps (Hulusi Behçet, Ruzar Briffa). **Bluefarb SM. Int J Dermatol** 1982 Jan–Feb;21(1):54
The influence of the British School of Dermatology on the Vienna School in the first half of the 19th century. Holubar K. **Int J Dermatol** 1982 May;21(4):224–6
Daniel Turner (1667–1740) LRCP London (1711) M.D. honorary, Yale (1723) surgeon, physician and pioneer dermatologist: the man seen in the pages of his book on the skin. Lyell A. **Int J Dermatol** 1982 Apr;21(3):162–70
Bibliography of secondary sources on the history of dermatology: II. obituaries and biographies in English journals supplemented through 1980. Parish LC, et al.
Int J Dermatol 1981 Sep;20(7U):497–503
Bibliography of secondary sources on the history of dermatology. I. Journal articles in English supplemented through 1980. Parish LC, et al. **Int J Dermatol** 1981 Oct; 20(8):555–61
The French school of dermatology. Wachs GN.
Int J Dermatol 1982 Jun;21(5):277–9
Outstanding contributions by Japanese dermatologists. Fukuyama K, et al. **J Am Acad Dermatol** 1982 Feb; 6(2):173–8
Thomas Addison, M.D. First dermatologist at Guy's Hospital. White IR, et al. **J Am Acad Dermatol** 1982 Mar; 6(3):426–30
Keloid. Goldwyn RM. **Plast Reconstr Surg** 1981 Oct; 68(4):640–1
[Priority of the discovery of specific immobilization of Treponema (author's transl)] Pospíšil L. **Cesk Dermatol** 1981 Oct;56(5):346–8 (Eng. Abstr.) **(Cze)**
[Theodore Grüneberg in the tradition of Halle dermatology] Kleine-Natrop HE. **Dermatol Monatsschr** 1981 Jun; 167(6):393–5 **(Ger)**
[Rudolph Leopold Mayer. Work and personality] Scholz A. **Dermatol Monatsschr** 1981 Sep;167(9):582–6 **(Ger)**
[History of the University Dermatology Clinic in Essen] Müller W. **Hautarzt** 1982 Jan;33(1):26–9 **(Ger)**
[Award of the Alfred Marchionine Gold Medal to Dr. Marion B. Sulzberger in New York on December 1980] Nasemann T. **Hautarzt** 1981 Dec;32(12):659–60 **(Ger)**
[Albert Wiedmann – his personality and work and his contribution to the development of Dermatology in Vienna after World War II (author's transl)] Lindemayr W. **Wien Klin Wochenschr** 1981 Dec 25;93(24):735–9 (Eng. Abstr.) **(Ger)**
[Ferdinand von Hebra: the man and his work (author's transl)] Tappeiner J, et al. **Wien Klin Wochenschr** 1981 Sep 4;93(16):503–6 (Eng. Abstr.) **(Ger)**
[Dermatovenereology from Hebra to the present time] Pastinszky I. **Orv Hetil** 1982 Apr 18;123(16):987–90 **(Hun)**
[60th anniversary of the Department of Skin and Venereal

Diseases of the Tashkent Medical Institute] Mirakhmedov UM. **Vestn Dermatol Venerol** 1981 Nov;(11):74–6 (Eng. Abstr.) **(Rus)**

[60th anniversary of the Central Dermatovenereological Research Institute] Skripkin IuK, et al. **Vestn Dermatol Venerol** 1981 Dec;(12):4–10 **(Rus)**

[State of dermatological care in the cities of prerevolutionary Russia] Stoianov BG, et al. **Vestn Dermatol Venerol** 1981 May;(5):22–5 (Eng. Abstr.) **(Rus)**

[Prof. José Gay Prieto. Teacher of dermatologists (1905–1979)] Jaqueti G. **Actas Dermosifiliogr** 1981 Jul–Aug; 72(7–8):389–96 **(Spa)**

INSTRUMENTATION

Wood's light: an incredibly important diagnostic tool. Jilson OF. **Cutis** 1981 Dec;28(6):620, 623–4, 626

Removable fluid-containing chamber for in vivo guinea pig skin studies. Wilson DR, et al. **Derm Beruf Umwelt** 1982; 30(1):5–7

A love affair with a gradle scissors. Gibbs RC. **J Dermatol Surg Oncol** 1981 Oct;7(10):771

Instruments and tips for dermatology surgery. Koranda FC, et al. **J Dermatol Surg Oncol** 1982 Jun;8(6):451–4

Photographic gem: I. Camera bodies lenses. Rosenberg S. **J Dermatol Surg Oncol** 1982 Apr;8(4):260

[Use of the operating microscope in dermatologic practice] Ashmarin IuIa, et al. **Vestn Dermatol Venerol** 1981; (10):12–4 (Eng. Abstr.) **(Rus)**

MANPOWER

Dermatologic physician assistants [letter] Katterjohn KR. **J Am Acad Dermatol** 1982 May;6(5):950–1

Dermatology in a health maintenance organization (HMO) [letter] Schwilk DF, et al. **J Am Acad Dermatol** 1981 Nov; 5(5):617–9

METHODS

Instant color print photography in dermatology. Olmstead CB. **Cutis** 1982 Jun;29(6):585–7, 590

[Measuring methods in dermatological angiology (author's transl)] Partsch H. **Z Hautkr** 1982 Feb 15;57(4):227–46 (Eng. Abstr.) **(Ger)**

TRENDS

Dermatology in the 1980s. Parish LC, et al. **Clin Ther** 1982; 4(6):420–1

A plea to help build the future of dermatology. Fitzpatrick TB, et al. **J Am Acad Dermatol** 1982 Jan;6(1):112–4

Quo vadis curator cutis? [editorial] Koranda FC. **J Dermatol Surg Oncol** 1982 Jun;8(6):449

Dermatologic surgery yesterday, today, and tomorrow [editorial] Robins P. **J Dermatol Surg Oncol** 1981 Oct; 7(10):777

[Prognosis for the specialty of dermato-venereology 1980–1994] Serup J, et al. **Ugeskr Laeger** 1981 Jun 8; 143(24):1559–62 (Eng. Abstr.) **(Dan)**

DERMATOLYSIS see **CUTIS LAXA**

DERMATOMEGALY see **CUTIS LAXA**

DERMATOMYCOSES

Fungal infection as a cause of skin disease in Western Australia. McAleer R. **Australas J Dermatol** 1981 Aug; 22(2):80–7

Mechanisms and treatment of dermatophytosis. Clinical notes. Guin JD. **J Indiana State Med Assoc** 1982 Mar; 75(3):187

BLOOD

[Hemocoagulation indices in patients with eczema and foot mycosis with allergic manifestations] Korchma NL. **Vestn Dermatol Venerol** 1982 Apr;(4):48–51U **(Rus)**

COMPLICATIONS

Hereditary palmo-plantar keratoderma: incidence of dermatophyte infections and the results of topical treatment with retinoic acid. Elmros T, et al. **Acta Derm Venereol (Stockh)** 1981;61(5):453–5

Systemic blastomycosis with associated diabetes insipidus. Kelly PM. **Ann Intern Med** 1982 Jan;96(1):66–7

[Persistent localized hyperkeratosis caused by Rhodotorula rubra (author's transl)] Schmidt U, et al. **Dermatol Monatsschr** 1982 Feb;168(2):111–5 (Eng. Abstr.) **(Ger)**

[Role of bacterial and fungal infections in the etiology of chronic urticaria] Dubiecki W, et al. **Przegl Dermatol** 1981 Jul–Aug;68(4):453–57 (Eng. Abstr.) **(Pol)**

DIAGNOSIS

Correspondence [letter] Ajello L. **Am J Trop Med Hyg** 1982 Mar;31(2):421

Chronic dermatophyte infections. I. Clinical and mycological features. Hay RJ. **Br J Dermatol** 1982 Jan;106(1):1–7

Coccidioidal meningitis diagnosed by skin biopsy. Hamner RW, et al. **Cutis** 1982 Jun;29(6):603–4, 606, 610

A simplified in vitro assay of delayed hypersensitivity in diagnosis of dermatomycoses. Hunjan BS, et al. **J Allergy Clin Immunol** 1981 Jun;67(6):485–94

A comparison between direct microscopy and culture in dermatological mycotic material. Nielsen PG. **Mykosen** 1981 Sep;24(9):555–60

Two different methods for direct microscopy of mycotic material. Nielsen PG. **Mykosen** 1982 May;25(5):270–3

Disseminated cutaneous cryptococcosis. Thianprasit M. **Mykosen** 1981 Sep;24(9):568–74

[Mycoses of the skin] Nolting S. **ZFA (Stuttgart)** 1981 Oct 20;57(29):1982–7 **(Ger)**

[Characteristics of the course of foot mycoses depending on the time of year] Kilikeev AA. **Vestn Dermatol Venerol** 1981;(10):50–4 (Eng. Abstr.) **(Rus)**

DRUG THERAPY

Griseofulvin-resistant dermatophytosis [letter] Jorizzo JI, et al. **Arch Dermatol** 1982 Jan;118(1):2–3

Antifungal activity of fenticonazole in experimental dermatomycosis and candidiasis. Veronese M, et al. **Arzneimittelforsch** 1981;31(12):2137–9

Treatment of superficial fungal infections. Hay RJ. **Clin Exp Dermatol** 1981 Sep;6(5):509–13

Efficacy of garlic (Allium sativum L.) therapy against experimental dermatophytosis in rabbits. Prasad G, et al. **Indian J Med Res** 1982 Mar;75:465–7

Ketoconazole (R 41 400) in the treatment of dermatophyte infections: a clinical, mycological, and morphological study. Degreef H, et al. **Int J Dermatol** 1981 Dec; 20(10):662–9

Ketoconazole in griseofulvin-resistant dermatophytosis. Robertson MH, et al. **J Am Acad Dermatol** 1982 Feb; 6(2):224–9

Antifungal activity of SN 105-843 gel in vivo. Haroon TS, et al. **JPMA** 1981 Jun;31(6):123–6

Therapy of superficial fungal infection. Jones HE. **Med Clin North Am** 1982 Jul;66(4):873–93

Superficial mycoses: ketoconazole treatment. Grigoriu A, et al. **Mykosen** 1982 May;25(5):258–62

Topical tioconazole in dermatomycosis. Kuokkanen K. **Mykosen** 1982 May;25(5):274–80

An evaluation of two years of clinical experience with ketoconazole. Török I, et al. **Mykosen** 1982 Mar; 25(3):136–42

Disseminated cutaneous rhinosporidiosis treated with dapsone. Mahakrisnan A, et al. **Trop Geogr Med** 1981 Jun; 33(2):189–92

[Microsporia and topical therapeutical problems (author's transl)] Zampachová I, et al. **Cesk Dermatol** 1981 Jun; 56(3):147–50 (Eng. Abstr.) **(Cze)**

[Topical preparations combining a dermocorticoid and an antifungal agent and their commercial relevance (letter)] Grosshans E, et al. **Ann Dermatol Venereol** 1981; 108(5):481–2 **(Fre)**

[Cutaneous blastomycosis and its treatment. Apropos of a new Moroccan case] Sekkat A, et al. **Ann Dermatol Venereol** 1981;108(11):877–82 **(Fre)**

[Clinical results with the antimycotic agent ciclopiroxolamine (author's transl)] Adam W, et al. **Arzneimittelforsch** 1981; 31(8A):1360–5 (Eng. Abstr.) **(Ger)**

[Selected double-blind comparative studies on the efficacy and tolerance of ciclopiroxolamine solution and cream] Beyer M. **Arzneimittelforsch** 1981;31(8A):1378–81 (Eng. Abstr.) **(Ger)**

[Non-European open clinical studies on the efficacy and tolerance of ciclopiroxolamine in dermatomycoses (author's transl)] Dittmar W. **Arzneimittelforsch** 1981;31(8A):1381–5 (Eng. Abstr.) **(Ger)**

[Comparative double-blind study on ciclopiroxolamine cream and placebo cream in dermatophytoses (author's transl)] Fredriksson T, et al. **Arzneimittelforsch** 1981; 31(8A):1376–8 (Eng. Abstr.) **(Ger)**

[Open clinical trial in dermal mycoses of a 1% ciclopiroxolamine solution in polyethylene glycol 400 carried out in FR Germany/Study with shortened therapy (author's transl)] Torres J, et al. **Arzneimittelforsch** 1981; 31(8A):1373–6 (Eng. Abstr.) **(Ger)**

[Comparative study of therapeutic effectiveness with tolciclate and miconazole in superficial dermatophytosis and in pityriasis versicolor (author's transl)] Wiedey K, et al. **Mykosen** 1982 Mar;25(3):126–32 (Eng. Abstr.) **(Ger)**

[Clinical use of Chinoderm ointments 0.2% and 1% in various bases] Roder H, et al. **Z Arztl Fortbild (Jena)** 1981 May 1;75(9):428–30 **(Ger)**

[Resistance to griseofulvin (author's transl)] Hantschke D, et al. **Z Hautkr** 1981 Oct 15;56(20):1326–33 (Eng. Abstr.) **(Ger)**

[Treatment of dermatomycoses with 1% canesten cream] Banaszkiewicz H. **Przegl Dermatol** 1981 May–Jun; 68(3):399–401 (Eng. Abstr.) **(Pol)**

[Pure cutaneous cryptococcosis] Nazare IP, et al. **Med Cutan Iber Lat Am** 1981;9(4):289–92 (Eng. Abstr.) **(Por)**

[Treatment of mycoses in the tropics] Nguyen HH, et al. **Voen Med Zh** 1982 Jun;(6):53–4 **(Rus)**

ETIOLOGY

North American blastomycosis: an unusual clinical manifestation. Henchy FP 3d, et al. **Arch Dermatol** 1982 Apr;118(4):287–8

Trichosporon beigelii fungemia and cutaneous dissemination. Manzella JP, et al. **Arch Dermatol** 1982 May;118(5):343–5

Mucormycosis and cutaneous histoplasmosis in a renal transplant recipient. Peterson PK, et al. **Arch Dermatol** 1982 Apr;118(4):275–7

Localized dermal cryptococcosis following a scorpion sting. Webling DD, et al. **Australas J Dermatol** 1981 Dec; 22(3):127–8

Dermatophilus congolensis as a model pathogen in mice for the investigation of factors influencing skin infection. Lloyd DH, et al. **Br Vet J** 1982 Jan–Feb;138(1):51–60

Sporotrichosis of the abdomen. Frankel EH, et al. **Cutis** 1982 Feb;29(2):189–90

Mycotic infections of the scalp. Subrahmanyam A. **Hindustan Antibiot Bull** 1980 Feb–May;22(3–4):62–100

How important are the dermatophytes? A clinical and laboratory investigation. Davies DG, et al. **J Clin Pathol** 1982 Mar;35(3):313–4

The incidence of diabetes mellitus in superficial dermatomycosis. Phuvichit B, et al. **J Med Assoc Thai** 1981 Oct;64(10):506–9

Etiology of dermatophytoses in Denmark based on a material of 1070 cases. Foged EK, et al. **Mykosen** 1982 Mar; 25(3):121–5

[Cutaneous cryptococcosis (author's transl)] Seebacher C, et al. **Dermatol Monatsschr** 1982 Feb;168(2):96–104 (Eng. Abstr.) **(Ger)**

[Etiology and epidemiology of foot mycoses in miners of the Ostrava-Karvina coal basin, Czechoslovak SSR] Nevludová D. **Vestn Dermatol Venerol** 1981 May;(5):57–8 (Eng. Abstr.) **(Rus)**

FAMILIAL & GENETIC

[Microsporosis familiaris (author's transl)] Kejda J, et al. **Cesk Dermatol** 1981 Aug;56(4):252–5 (Eng. Abstr.) **(Cze)**

IMMUNOLOGY

ELISA-determined serological reactivity against purified trichophytin in dermatophytosis. Kaaman T, et al. **Acta Derm Venereol (Stockh)** 1981;61(4):313–7

Mycobacterial and fungal skin sensitivity patterns among remote population groups in Papua New Guinea, and in the New Hebrides, Solomon, and Caroline Islands. Brown P, et al. **Am J Trop Med Hyg** 1981 Sep;30(5):1085–93

Immunology of human dermatophyte infections. Ahmed AR. **Arch Dermatol** 1982 Jul;118(7):521–5 (62 ref.)

Depressed cell-mediated immunity in chronic dermatophytic infections. Brahmi Z, et al. **Arch Inst Pasteur Alger** 1978–79; 53:73–84

Immunology of dermatophytosis: introduction. Jillson OF. **Cutis** 1982 Jun;29(6):535–6, 542

Chronic T. mentagrophytes dermatophytosis of guinea pig skin grafts on nude mice. Green F 3d, et al. **J Invest Dermatol** 1982 Aug;79(2):125–9

[Immune reactivity indices and their dynamics in zooanthroponotic microsporosis] Fomin KF, et al. **Vestn Dermatol Venerol** 1981 Jul;(7):63–4 (Eng. Abstr.) **(Rus)**

[Dynamics and external sensibilization relationships in contact eczema, varicose complex and dermatomycosis (author's transl)] Hegyi E, et al. **Cesk Dermatol** 1981 Aug; 56(4):215–26 (Eng. Abstr.) **(Slo)**

[Cellular immunodeficiency in superficial mycoses and cutaneous viroses] Honeyman J, et al. **Med Cutan Iber Lat Am** 1981;9(3):179–82 (Eng. Abstr.) **(Spa)**

MICROBIOLOGY

Laboratory diagnosis of dermatophytoses and frequency of different dermatophytes in Kampala, Uganda. Lubwama SW. **East Afr Med J** 1981 Jun;58(6):418–23

Fungal flora in the superficial infections of the skin and nails at Lucknow. Singh UK, et al. **Indian J Pathol Microbiol** 1981 Jul;24(3):189–93

Ultrastructural observations of fungal elements in a Trichosporon cutaneum infection of the skin. Otsuka F, et al. **J Dermatol (Tokyo)** 1982 Feb;9(1):1–5

A new dematiaceous fungus from human skin. de Hoog GS, et al. **Sabouraudia** 1982 Mar;20(1):15–20

[Arthrospores in epidemiology and pathogenesis of dermatophytoses (author's transl)] Weigl E. **Cesk Dermatol** 1981 Jun;56(3):188–91 (Eng. Abstr.) **(Cze)**

[Frequency of isolation of mixed cultures of fungi in foot mycoses in coal miners of Ostrava-Karvinsky coal basin, CSSR] Nevludova D. **Vestn Dermatol Venerol** 1982 Apr; (4):51–3 **(Rus)**

[Dermatophytosis caused by Trichophyton ajelloi] Alvarez DP, et al. **Mycopathologia** 1982 Jan 15;77(1):27–9 (Eng. Abstr.) **(Spa)**

[Superficial dermatomycoses. Study of patients at the Central Santiago Metropolitan Health Service] Fich F, et al. **Rev Med Chil** 1981 Aug;109(8):735–9 (Eng. Abstr.) **(Spa)**

OCCURRENCE

Chromomycosis in Japan. Nishimoto K. **Ann Soc Belg Med Trop** 1981 Sep;61(3):405–12

Studies on dermatomycoses in Calicut (Kerala). Clinical and mycological investigations. Amma SM, et al. **Indian J Pathol Microbiol** 1982 Jan;25(1):11–7

Incidence and diagnosis of dermatophyte fungal diseases in

Cork city and county. Molloy W, et al. **Ir J Med Sci** 1981 Jun;150(6):178–81

Superficial mycoses in Italy. Caretta G, et al. **Mycopathologia** 1981 Oct 10;76(1):27–32

Etiology of dermatophytosis in eastern Nigeria: a 7 year study. Egere JU, et al. **Mykosen** 1982 Apr;25(4):178–81

Dermatophytes and dermatophytosis in Denmark 1979. Svejgaard E, et al. **Mykosen** 1982 May;25(5):263–9

Dermatophyte prevalence in Wellington, New Zealand. Allred BJ. **Sabouraudia** 1982 Mar;20(1):75–7

Superficial mycoses in the west of Scotland. Gentles JC, et al. **Scott Med J** 1981 Oct;26(4):328–35

A survey of dermatophytoses and tinea versicolor among senior high school students in southern Taiwan. Ko WC, et al. **Taiwan I Hsueh Hui Tsa Chih** 1982 Jan;81(1):1–8

[Dermatomycoses in the tropical rain forest of Nigeria (author's transl)] Lieske K. **Z Hautkr** 1982 Mar 1; 57(5):321–5 (Eng. Abstr.) **(Ger)**

[Fungal foot infections in young men and factors increasing their susceptibility to the disease] Ratka P. **Pol Tyg Lek** 1981 Aug 17;36(33):1261–3 (Eng. Abstr.) **(Pol)**

[Dermatomycoses in the Yemen Arab Republic] Lavrik AU, et al. **Vestn Dermatol Venerol** 1981 Jul;(7):57–9 (Eng. Abstr.) **(Rus)**

[Epidemiological characteristics of zooanthroponotic microsporosis] Sheklakov ND, et al. **Vestn Dermatol Venerol** 1981 Dec;(12):27–33 (Eng. Abstr.) **(Rus)**

[Epidemiology and clinical manifestations of zooanthroponotic Microsporum infection] Sheklakov ND, et al. **Vestn Dermatol Venerol** 1982 Apr;(4):20–2 **(Rus)**

[Jorge Lobo disease. Study of 22 new cases] Talhari S, et al. **Med Cutan Iber Lat Am** 1981;9(2):87–96 (Eng. Abstr.) **(Spa)**

PATHOLOGY

Pheomycotic cyst in an immunosuppressed host. Fathizadeh A, et al. **J Am Acad Dermatol** 1981 Oct;5(4):423–7

Cutaneous cryptococcosis simulating pyoderma gangrenosum. Massa MC, et al. **J Am Acad Dermatol** 1981 Jul;5(1):32–6

[Human cutaneous alternariosis. 3 cases. Review of the literature (author's transl)] Chevrant-Breton J, et al. **Ann Dermatol Venereol** 1981;108(8–9):653–62 (36 ref.) (Eng. Abstr.) **(Fre)**

[Mycoses in dermatology] Pfister R. **ZFA (Stuttgart)** 1982 Jan 20;58(2):65–9 **(Ger)**

[Keratoderma palmare et plantare and mycosis of the feet] Kuklin VT, et al. **Vestn Dermatol Venerol** 1982 Mar; (3):58–9 (Eng. Abstr.) **(Rus)**

PREVENTION & CONTROL

[Mycological study on the epidemiologic status of pedicure parlors] Vesper E, et al. **Z Gesamte Hyg** 1982 Feb; 28(2):105–7 (Eng. Abstr.) **(Ger)**

[Prevention of foot mycoses in miners] Nevludová D. **Vestn Dermatol Venerol** 1981;(10):49–50 **(Rus)**

[Disinfection of bathrooms in the prevention of foot dermatophytosis in soldiers] Karadaglić D, et al. **Vojnosanit Pregl** 1982 Jan–Feb;39(1):12–4 **(Scr)**

THERAPY

The treatment of fungus and yeast infections of nails by the method of 'chemical removal'. White MI, et al. **Clin Exp Dermatol** 1982 May;7(3):273–6

TRANSMISSION

Microsporum canis infections in Hungary. Török I, et al. **Mykosen** 1982 Jan;25(1):42–46

[Mycological study on the epidemiologic status of pedicure parlors] Vesper E, et al. **Z Gesamte Hyg** 1982 Feb; 28(2):105–7 (Eng. Abstr.) **(Ger)**

VETERINARY

Cyclic dermatitis associated with Fusarium sp infection in pinnipeds. Montali RJ, et al. **J Am Vet Med Assoc** 1981 Dec 1;179(11):1198–202

Dermatophytosis due to Microsporum gypseum in a pet rabbit – a case report. Sinha BK, et al. **Mykosen** 1982 Jun; 25(6):332–4

Occurrence of equine dermatophytosis in Hokkaido. Takatori K, et al. **Nippon Juigaku Zasshi** 1981 Jun;43(3):307–13

Microsporum canis isolations from show cats. Quaife RA, et al. **Vet Rec** 1982 Apr 3;110(14):333–4

Hyperthermia for the treatment of dermatomycosis in dogs and cats. Lueker DC, et al. **VM SAC** 1981 May;76(5):658–9

DERMATOMYOSITIS

BLOOD

[Elevation of unsaturated transcobalamin II in autoimmune diseases: study of the process in lupus erythematosis and dermatomyositis] Fräter-Schröder M, et al. **Schweiz Med Wochenschr** 1980 Oct 4;110(40):1441–3 (Eng. Abstr.) **(Ger)**

[Clinico-immunologic significance of circulating immune complexes in dermatomyositis in adults] Agababov SV, et al. **Vopr Revm** 1982 Apr–Jun;(2):28–33 **(Rus)**

CHEMICALLY INDUCED

Ipecac-induced myopathy simulating dermatomyositis. Bennett HS, et al. **Neurology (NY)** 1982 Jan;32(1):91–4

COMPLICATIONS

Osteosarcoma arising in heterotopic ossification of dermatomyositis: case report and review of the literature. Eckardt JJ, et al. **Cancer** 1981 Sep 1;48(5):1256–61

The value of malignancy evaluation in patients with dermatomyositis. Callen JP. **J Am Acad Dermatol** 1982 Feb; 6(2):253–9 (36 ref.)

A rare presentation of bilateral membranous conjunctivitis in dermatomyositis in young age. Sammartino A, et al. **J Pediatr Ophthalmol Strabismus** 1981 Nov–Dec; 18(6):47–50

A rare presentation of bilateral membranous conjunctivitis in dermatomyositis. Sammartino A, et al. **Ophthalmologica** 1982 Jan;184(2):97–102

[Association of dermatomyositis, toxoplasmosis and tuberculosis] Mazabrey D, et al. **Ann Dermatol Venereol** 1982;109(3):277–80 **(Fre)**

[Interstitial lung disease in polymyositis and dermatomyositis (PM-DM) –clinical and immunological studies (author's transl)] Yoshii A, et al. **Nippon Naika Gakkai Zasshi** 1981 Oct 10;70(10):1380–7 **(Jpn)**

[Tumoral dermatopolymyositis] de Sá CA, et al. **Rev Hosp Clin Fac Med Sao Paulo** 1981 Aug;36(4):152–7 (Eng. Abstr.) **(Por)**

[Dermatomyositis: presentation of a case possibly associated with panarteritis nodosa] Cruz Hernández JJ, et al. **Rev Clin Esp** 1981 Jun 15–30;161(5–6):359–61 **(Spa)**

[Associated dermatomyositis and cholangiocarcinoma] Llinares Mondéjar P, et al. **Rev Clin Esp** 1982 Mar 15; 164(5):335–7 **(Spa)**

DIAGNOSIS

Quantitative electromyography in polymyositis and dermatomyositis. Sandstedt PE, et al. **Acta Neurol Scand** 1982 Feb;65(2):110–21

Lower extremity manifestation of sclerodermatomyositis: a case report. Misner SC. **J Am Podiatry Assoc** 1982 Jun; 72(6):317–8

[3 cases of dermatomyositis with or without neoplasm, treated at the Rheumatology Department of the District Hospital in Plock] Luszczewska-Król J, et al. **Reumatologia** 1981; 19(1):71–4 (Eng. Abstr.) **(Pol)**

DRUG THERAPY

[Approaches to treatment optimization in idiopathic dermatomyositis] Agababov SV, et al. **Ter Arkh** 1982; 54(6):68–71 (Eng. Abstr.) **(Rus)**

ETIOLOGY

Tamoxifen-induced tumour regression associated with dermatomyositis. Harris AL, et al. **Br Med J [Clin Res]** 1982 Jun 5;284(6330):1674–5

Influenza vaccine and dermatomyositis [letter] Winkelmann RK. **Lancet** 1982 Aug 28;2(8296):495

Acute dermatomyositis associated with a staphylococcal infection. Haegerty AM, et al. **Postgrad Med J** 1981 Dec; 57(674):796–8

[The polymyositis–dermatomyositis complex: current studies of the etiopathogenesis and notes on therapy] Sacerdoti G, et al. **Clin Ter** 1981 Jun 30;97(6):631–51 (108 ref.) **(Ita)**

FAMILIAL & GENETIC

Dermatomyositis and dermatitis herpetiformis. White SW, et al. **Arch Dermatol** 1982 Aug;118(8):599–601

IMMUNOLOGY

Cell-mediated cytotoxicity and childhood dermatomyositis. Iannaccone ST, et al. **Arch Neurol** 1982 Jul;39(7):400–2

Sjögren's syndrome and polymyositis or dermatomyositis. Ringel SP, et al. **Arch Neurol** 1982 Mar;39(3):157–63

Dermatomyositis associated with IgA deposition. Alexander CB, et al. **Arch Pathol Lab Med** 1982 Sep;106(9):449–51

[Immune diagnosis of collagen diseases] Sönnichsen N. **Z Arztl Fortbild (Jena)** 1981 Jun 1;75(11–12):519–21 **(Ger)**

OCCURRENCE

[Epidemiology of connective tissue diseases of the skin (scleroderma, dermatomyositis and polymyositis) in Japan] Hatano H. **Hautarzt** 1982 Jul;33(7):355–8 (Eng. Abstr.) **(Ger)**

PATHOLOGY

Adult-onset nemaline rods in a patient treated for suspected dermatomyositis. Study with two-dimensional electrophoresis. Danon MJ, et al. **Arch Neurol** 1981 Dec; 38(12):761–6

Clinical and pathogenetic implications of histopathology in childhood polydermatomyositis. Crowe WE, et al. **Arthritis Rheum** 1982 Feb;25(2):126–39

Nailfold capillary abnormalities and clinical outcome in childhood dermatomyositis. Spencer-Green G, et al. **Arthritis Rheum** 1982 Aug;25(8):954–8

[Morphology, morohogenesis, localization and diagnostic value of paramyxovirus-like particles] Olmos L, et al. **Med Cutan Iber Lat Am** 1981;9(3):187–92 (Eng. Abstr.) **(Spa)**

[Sclerodermatomyositis, paroxystic dyspnea crisis, inferior vena cava ligation, shock (clinical conference)] **Medicina (B Aires)** 1981;41(3):360–8 **(Spa)**

PHYSIOPATHOLOGY

[Electromyography in children with polymyositis (author's transl)] Renault F, et al. **Sem Hop Paris** 1982 Jan 28; 58(4):220–4 (Eng. Abstr.) **(Fre)**

PSYCHOLOGY

Juvenile dermatomyositis: medical, social and economic status in adulthood. Chalmers A, et al. **Can Med Assoc J** 1982 Jan 1;126(1):31–3

RADIONUCLIDE IMAGING

A new noninvasive evaluation of muscular lesions in dermatomyositis: thallium 201 muscle scans. Guillet GY, et al. **J Am Acad Dermatol** 1981 Dec;5(6):670–2

[Extraosseous collection of 99mTc-methylenediphosphate in dermatomyositis] Janik I, et al. **ROFO** 1981 Nov; 135(5):616–8 **(Ger)**

THERAPY

Juvenile dermatomyositis: a review. Malleson P. **J R Soc Med** 1982 Jan;75(1):33–7

DERMATOPHYTES

CLASSIFICATION

An electrophoretic study of enzymes as a tool in the taxonomy of the dermatophytes. Jones MG, et al. **J Gen Microbiol** 1982 May;128 (Pt 5):1101–7

Natural relationships of dermatophytes to the milieu of their existence. A review. Dvořák J, et al. **Mykosen** 1982 Apr; 25(4):197–209

DRUG EFFECTS

Morphogenetic effect of L-cysteine on dermatophytes. Nguyen NT, et al. **Acta Microbiol Acad Sci Hung** 1981; 28(4):347–57

Superficial mycoses and in vitro sensitivity of dermatophytes and Candida species to tolciclate and clotrimazole. Jacob Z, et al. **Indian J Med Res** 1981 Sep;74:365–71

In vitro antifungal activity of naftifine: (SN 105–843 GEL) against dermatophytes. Faruqi AH, et al. **JPMA** 1981 Dec; 31(12):279–82

Antibiotic compounds from New Zealand plants. I. Falcarindiol, an anti-dermatophyte agent from Schefflera digitata. Muir AD, et al. **Planta Med** 1982 Mar;44(3):129–33

[Sodium chloride tolerance in strains of Aspergillus and Dermatophytes of the human microflora (author's transl)] Schönborn C. **Mykosen** 1981 Dec;24(12):752–60 (Eng. Abstr.) **(Ger)**

[Comparison of the in vitro antifungal activities of clotrimazole, miconazole, Econazole and exalamide against clinical isolates of dermatophytes (author's transl)] Kusunoki T, et al. **Nippon Hifuka Gakkai Zasshi** 1982 May; 92(6):671–5 **(Jpn)**

[Antimycotic susceptibility testing with a microplate-comparative studies with sabouraud broth and nutrient broth (author's transl)] Kusunoki T, et al. **Nippon Hifuka Gakkai Zasshi** 1981 Sep;91(10):1093–4 **(Jpn)**

[Antimicrobial activity of various undecylenic acid derivatives and prospects for their use in hygienic preparations for the skin] Molochko VA, et al. **Vestn Dermatol Venerol** 1982 Feb;(2):22–5 (Eng. Abstr.) **(Rus)**

ISOLATION & PURIFICATION

How important are the dermatophytes? A clinical and laboratory investigation. Davies DG, et al. **J Clin Pathol** 1982 Mar;35(3):313–4

A comparison between direct microscopy and culture in dermatological mycotic material. Nielsen PG. **Mykosen** 1981 Sep;24(9):555–60

Dermatophytes and other keratinophilic fungi associated with hairs of rodents in Nigeria. Okafor JI, et al. **Mykosen** 1981 Oct;24(10):616–20

Dermatophyte carriers among school children. Polonelli L, et al. **Mykosen** 1982 May;25(5):254–7

Dermatophytes and dermatophytosis in Denmark 1979. Svejgaard E, et al. **Mykosen** 1982 May;25(5):263–9

[Dermatophytes isolated at a pediatric hospital in Montreal from 1954 to 1979] Poisson M, et al. **Can Med Assoc J** 1982 Jul 15;127(2):134–5 **(Fre)**

[Contribution to the knowledge of dermatophyte flora in sewage sludge] Ulfig K. **Rocz Panstw Zakl Hig** 1981; 32(3):285–9 (Eng. Abstr.) **(Pol)**

[Superficial dermatomycoses. Study of patients at the Central Santiago Metropolitan Health Service] Fich F, et al. **Rev Med Chil** 1981 Aug;109(8):735–9 (Eng. Abstr.) **(Spa)**

PHYSIOLOGY

[Dermatophytes in the Arad area of Rumania. Importance of the nematode Eudiplogaster flagellicaudatus in the lifecycle of geophylic dermatophytes (author's transl)] Ilea RV, et al. **Z Hautkr** 1981 Oct 1;56(19):1281–8 (Eng. Abstr.) **(Ger)**

DERMATOSCLEROSIS see **SCLERODERMA, CIRCUMSCRIBED**

DERMATOTOXINS see **DERMOTOXINS**

DERMOID see **DERMOID CYST**

DERMOID CYST

BLOOD

Erythrocytosis associated with a dermoid cyst of the ovary and erythropoietic activity of the tumour fluid. Ghio R, et al. **Scand J Haematol** 1981 Aug;27(2):70–4

COMPLICATIONS

Dermoid cyst of the prostate with contralateral renal agenesis. Uthmann U, et al. **Br J Urol** 1981 Oct;53(5):479

Echocardiographic findings in a case of acquired pulmonic stenosis from extrinsic compression by a mediastinal cyst. Baduini G, et al. **Chest** 1981 Oct;80(4):507–9

Case report. Transient cerebral ischemia as a manifestation of ruptured intracranial dermoid cyst. Ford K, et al. **J Comput Assist Tomogr** 1981 Dec;5(6):895–7

Transient spasm of carotid siphon complicating ruptured cranial dermoid cyst. Mikhael MA. **Radiology** 1982 Sep; 144(4):824

Remission of immune hemolytic anemia after removal of ovarian dermoid cyst: case report. Murad MD, et al. **Va Med** 1982 Mar;109(3):187–90

[Characteristics of exophthalmos in an orbital cystic dermoid tumor] Arseni C, et al. **Rev Chir [Oftalmol]** 1981 Apr–Jun; 25(2):121–4 (Eng. Abstr.) **(Rum)**

CONGENITAL

Results of surgery for nasal dermoids in children. Bradley PJ. **J Laryngol Otol** 1982 Jul;96(7):627–33

Congenital inclusion cyst of the subgaleal space. Chaudhari AB, et al. **J Neurosurg** 1982 Apr;56(4):540–4

Congenital inclusion dermoid cyst of the anterior fontanel in a Japanese infant: case report. Yuasa H, et al. **Neurosurgery** 1981 Jul;9(1):67–9

DIAGNOSIS

Primary malignant melanoma arising in an ovarian dermoid cyst. Gregg RH. **Am J Obstet Gynecol** 1982 May 1; 143(1):25–8

Orbital diagnosis. Groe AS Jr. **Head Neck Surg** 1979 Sept–Oct;2(1):12–24

Dermoid cysts [letter] Khanna AK. **Int J Dermatol** 1981 Oct; 20(8):568

Dermoid cyst of the soft palate. Green JD, et al. **South Med J** 1982 Aug;75(8):1029

[Dermoid cyst of the brain] Baš H, et al. **Cesk Neurol Neurochir** 1981 Sep;44(5):332–6 (Eng. Abstr.) **(Cze)**

[Intramedullary dermoid cyst] Buur T, et al. **Ugeskr Laeger** 1981 Dec 21;143(52):3552–3 (Eng. Abstr.) **(Dan)**

[Dermoid ovarian cysts] Nabatov IuN. **Akush Ginekol (Mosk)** 1981 Jul;(7):42–4 (Eng. Abstr.) **(Rus)**

ETIOLOGY

Dermoid cysts: a 'tropical' presentation. Harverson G, et al. **Trop Doct** 1982 Jul;12(3):123–4

FAMILIAL & GENETIC

Brief clinical report: corneal dermoids and short stature in brother and sister—a new syndrome? Guizar-Vázquez J, et al. **Am J Med Genet** 1981;8(2):229–34

MICROBIOLOGY

Infection of a lumbar dermoid cyst by an anaerobic peptococcus. Schnegg JF, et al. **Acta Neurochir (Wien)** 1981;58(1–2):127–9

PATHOLOGY

Intramedullary cystic teratoma. Padovani R, et al. **Acta Neurochir (Wien)** 1982;62(1–2):101–8

Malignant degeneration of benign cystic teratomas of the ovary. Yakushiji M, et al. **Acta Obstet Gynaecol Jpn** 1981 Jul;33(7):1095–8

Multiple malignancies (squamous cell carcinoma and sarcoma) arising in a dermoid cyst of the ovary. Hanada M, et al. **Acta Pathol Jpn** 1981 Jul;31(4):681–8

Recurrent dermoid cyst of the floor of the mouth. Blenkinsopp PT, et al. **Br J Oral Surg** 1980 Jun;18(1):34–9

Primary ovarian malignant melanoma arising in cystic teratoma. Cronje HS, et al. **Gynecol Oncol** 1981 Dec; 12(3):379–83

Malignant melanoma in an ovarian cystic teratoma. Tham KT, et al. **Hum Pathol** 1981 Jun;12(6):577–9

Immature ovarian teratoma—an unusual case. Borenstein R, et al. **Int J Gynaecol Obstet** 1982 Apr;20(2):159–62

Dermoid cyst of the tongue with sinus tract. Giunta JL, et al. **Oral Surg** 1982 May;53(5):450–3

[Unusual localization of a dermoid cyst] Panchev P, et al. **Khirurgiia (Sofiia)** 1981;34(6):597–8 **(Bul)**

[Rupture of a dermoid cyst originating in a fallopian tube] Crone P, et al. **Ugeskr Laeger** 1981 Jun 22;143(26):1657 **(Dan)**

[The problem of collision tumors: squamous-cell carcinoma on a cystic ovarian teratoma, associated with chorioepithelioma] Cintorino M, et al. **Arch De Vecchi Anat Patol** 1981 Dec;64(3):505–10 **(Ita)**

[Squamous carcinoma arising in a benign cystic teratoma. Presentation of 2 cases] De Rosa G, et al. **Pathologica** 1980 Sep–Oct;72(1021):707–14 (Eng. Abstr.) **(Ita)**

[Anterior mediastinal benign cystic teratoma containing pancreatic tissue and penetrating to the lung (author's transl)] Kuhara H, et al. **Nippon Kyobu Shikkan Gakkai Zasshi** 1982 Mar; 20(3):346–53 (Eng. Abstr.) **(Jpn)**

[An autopsy case of primary intracranial melanoma associated with dermoid cyst (author's transl)] Hondo H, et al. **No Shinkei Geka** 1982 Mar;10(3):305–10 (Eng. Abstr.) **(Jpn)**

[An autopsy case of leptomeningeal malignant melanoma associated with leptomeningeal dermoid cyst on the right pulvinar (author's transl)] Miwa A, et al. **No To Shinkei** 1981 Dec;33(12):1187–93 (Eng. Abstr.) **(Jpn)**

[The development of planocellular carcinoma in the dermoid cyst teratoma of the ovaries (author's transl)] Dujella J. **Ljec Vjesn** 1981 Jan;103(1):21–3 (Eng. Abstr.) **(Scr)**

RADIOGRAPHY

Computer tomography of ovarian dermoid cysts. Cederlund CG, et al. **Acta Radiol [Diagn] (Stockh)** 1981;22(4):435–9

CT of benign cystic teratomas. Friedman AC, et al. **AJR** 1982 Apr;138(4):659–65

Multiple low (fat) attenuating lesions associated with an intracranial dermoid cyst: multiple dermoids or cyst rupture? A case report. Hekster RE, et al. **Diagn Imaging** 1981;50(4):229–31

A large radiolucent pelvic mass in an 81-year-old woman. Stern WZ, et al. **JAMA** 1982 Jul 16;248(3):357–8

[Rupture of ovarian dermoid cyst (author's transl)] Ohba S. **Rinsho Hoshasen** 1981 Aug 26;26(8):905–6 **(Jpn)**

RADIONUCLIDE IMAGING

Accumulation of 99Tc-methylene diphosphonate within benign cystic teratoma of the ovary. Shigeno C, et al. **Eur J Nucl Med** 1981;6(9):417–9

SURGERY

Corneal transplantation in an infant with corneal dermoid. Zaidman GW, et al. **Am J Ophthalmol** 1982 Jan;93(1):78–83

Surgical update on nasal dermoids. Kelly JH, et al. **Arch Otolaryngol** 1982 Apr;108(4):239–42

Clinical evaluation and surgical intervention of limbal dermoid. Mohan M, et al. **Indian J Ophthalmol** 1981 Jul; 29(2):69–73

Massive dermoid cysts of the floor of the mouth in children. Pashley NR. **Int J Pediatr Otorhinolaryngol** 1981 Dec; 3(4):355–63

Intracranial intradural epidermoids and dermoids. Surgical results of 38 cases. Hamel E, et al. **Neurosurg Rev** 1980; 3(4):215–9

Dermoid cysts of the anterior fontanelle. Pannell BW, et al. **Neurosurgery** 1982 Mar;10(3):317–23

Dermoid tumor involving the lacrimal drainage pathway: a case report. Hurwitz JJ, et al. **Ophthalmic Surg** 1982 May; 13(5):377–9

The split notochord syndrome: a case report on a mixed spinal enterogenous cyst in a child with spina bifida cystica. Carachi R. **Z Kinderchir** 1982 Jan;35(1):32–4

[Dermoid cysts of the floor of the mouth: case reports] Guzzetti A, et al. **Chir Ital** 1981 Dec;33(6):1208–17 **(Ita)**

VETERINARY

Ovarian teratoma in an African green monkey (Cercopithecus aethiops). Baskin GB, et al. **Vet Pathol** 1982 Mar;19(2):219–21

Dermoid cysts in dogs [letter] Alexander RW. **Vet Rec** 1981 Dec 5;109(23):521–2

DERMOTOXINS

PHARMACODYNAMICS

Stimulation of prostaglandin production and choline turnover in HeLa cells by lyngbyatoxin A and dihydroteleocidin B. Sakamoto H, et al. **Biochem Biophys Res Commun** 1981 Sep 16;102(1):100–7

TOXICITY

Teleocidin, lyngbyatoxin A and their hydrogenated derivatives, possible tumor promoters, induce terminal differentiation in HL-60 cells. Nakayasu M, et al. **Cancer Lett** 1981 May;12(4):271–7

DESCEMET'S MEMBRANE

Descemetocele after intraocular lens implantation. Gelender H. **Arch Ophthalmol** 1982 Jan;100(1):72–6

Descemet's membrane ruptures [letter] Quigley HA. **Arch Ophthalmol** 1982 May;100(5):844

ABNORMALITIES

[Peter's syndrome] Bettini F, et al. **Pathologica** 1980 Sep–Oct; 72(1021):699–705 (Eng. Abstr.) **(Ita)**

[Pathogenic aspects of Peters' syndrome] Cernea P, et al. **Rev Chir [Oftalmol]** 1981 Apr–Jun;25(2):95–9 (Eng. Abstr.) **(Rum)**

INJURIES

Visual prognosis in patients with ruptures in Descemet's membrane due to forceps injuries. Angell LK, et al. **Arch Ophthalmol** 1981 Dec;99(12):2137–9

PATHOLOGY

Granulomatous inflammatory reaction to degenerating Descemet's membrane. Meyer RF, et al. **Ann Ophthalmol** 1981 Oct;13(10):1113–5

ULTRASTRUCTURE

[Secondary dystrophies of corneal endothelium and Descemet's membrane: histological and ultrastructural study (author's transl)] Renard G, et al. **J Fr Ophtalmol** 1981;4(11):721–39 (Eng. Abstr.) **(Fre)**

DESENSITIZATION, IMMUNOLOGIC

The behaviour of immunoglobulins in children and adolescents hyposensitized for pollinosis and pollen asthma. Hanasz-Jarzynska T, et al. **Allergol Immunopathol (Madr)** 1982 Jan–Feb;10(1):11–6

Grass pollen hyposensitization versus placebo therapy. II. Immunotherapy-induced changes in serum IgE and IgG levels. Weyer A, et al. **Allergy** 1981 Jul;36(5):319–28

Grass pollen hyposensitization versus placebo therapy. I. Clinical effectiveness and methodological aspects of a pre-seasonal course of desensitization with a four-grass pollen extract. Weyer A, et al. **Allergy** 1981 Jul; 36(5):309–17

Pharmacist-managed allergy desensitization program. Almond SN, et al. **Am J Hosp Pharm** 1982 Feb;39(2):284–8

Bee venom immunotherapy: clinical and immunologic observations. Bar-Sela S, et al. **Ann Allergy** 1981 Dec; 47(6):460–3

The role of catecholamines in specific hyposensitization. Farrerons Co FJ, et al. **Ann Allergy** 1982 Jun;48(6):340–4

Failure hyposensitisation in treatment of children with grass-pollen asthma [letter] **Br Med J [Clin Res]** 1982 May 8;284(6326):1402–3

Failure of hyposensitisation in treatment of children with grass-pollen asthma. Hill DJ, et al. **Br Med J [Clin Res]** 1982 Jan 30;284(6312):306–9

The potential role of immunosuppression, plasmapheresis, and desensitization as treatment modalities for Rh immunization. Caudle MR, et al. **Clin Obstet Gynecol** 1982 Jun;25(2):313–9

Immune mechanisms in allergy desensitization. Hemady Z, et al. **Compr Ther** 1982 Mar;8(3):57–63

Biological control of lymphokine function. Yoshida T, et al. **Fed Proc** 1982 Jun;41(8):2480–3

Reversibility of IgE-mediated rat mast cell desensitization. Mendoza GR, et al. **Int Arch Allergy Appl Immunol** 1982; 69(1):50–5

Clinical studies of a purified timothy pollen extract: desensitization therapy with a purified timothy pollen preparation compared to a crude timothy pollen extract. II. Results of the tests in vitro and their relation to symptoms and tests in vivo. Nordvall SL, et al. **Int Arch Allergy Appl Immunol** 1982 Feb;67(2):132–8

Is is possible to predict the clinical effect of hyposensitization? Osterballe O, et al. **Int Arch Allergy Appl Immunol** 1982; 68(3):286–8

Insect-sting allergy in Israel: immunotherapy with pure venoms. Bar-Sela S, et al. **Isr J Med Sci** 1982 Apr; 18(4):487–90

Long-term ticarcillin desensitization by the continuous oral administration of penicillin. Brown LA, et al. **J Allergy Clin Immunol** 1982 Jan;69(1 Pt 1):51–4

Desensitization of anaphylactic hypersensitivity specific for the penicilloate minor determinant of penicillin and carbenicillin. Gorevic PD, et al. **J Allergy Clin Immunol** 1981 Oct;68(4):267–72

Aspirin desensitization in aspirin-sensitive asthmatic patients: clinical manifestations and characterization of the refractory period. Pleskow WW, et al. **J Allergy Clin Immunol** 1982 Jan;69(1 Pt 1):11–9

Desensitization of patients allergic to penicillin using orally . .ministered beta-lactam antibiotics. Sullivan TJ, et al. **J Allergy Clin Immunol** 1982 Mar;69(3):275–82

Antigen-specific desensitization of patients allergic to penicillin. Sullivan TJ. **J Allergy Clin Immunol** 1982 Jun; 69(6):500–8

Low zone desensitization: a stimulus-specific control mechanism of cell response. Investigations on

anaphylatoxin-induced platelet secretion. Meuer S, et al. **J Exp Med** 1982 Mar 1;155(3):698–710
The transition from specific to nonspecific desensitization in human basophils. MacGlashan DW Jr, et al. **J Immunol** 1981 Dec;127(6):2410–4
Allergy testing and hyposensitization [letter] Czarny D, et al. **Med J Aust** 1981 Sep 19;2(6):303
Stinging insect allergy [letter] Ford RM. **Med J Aust** 1981 Oct 17;2(8):387
Allergy injection therapy [editorial] Middleton E Jr. **Postgrad Med** 1982 Apr;71(4):197, 199
Desensitization versus intraturbinal injection of corticosteroid for nasal allergy: indications, effectiveness, and patient acceptance. Mabry RL. **South Med J** 1982 Apr;75(4):423–5
[Hyposensitization in bee and wasp allergy] Dahl R, et al. **Ugeskr Laeger** 1981 Jul 27;143(31):1963–6 (Eng. Abstr.) **(Dan)**
[The allergic environment and hyposensitization] Terho A, et al. **Duodecim** 1981;97(9):596–609 **(Fin)**
[Therapy of tuberculoid and borderline leprosy by specific progressive desensitization to lepromin. Comparison between the classic method of progressive dilutions and the use of lepromin retard in aluminum hydroxide] Saint-André P, et al. **Acta Leprol (Geneve)** 1981 Oct–Dec; 85:69–74 **(Fre)**
[Desensitization] Ring J. **MMW** 1982 Jan 22;124(3):85–8, 90 **(Ger)**
[Results of and experience with immunotherapy in children with asthma or allergic rhinitis (author's transl)] Luther B, et al. **Monatsschr Kinderheilkd** 1981 Aug;129(8):456–9 (Eng. Abstr.) **(Ger)**
[Immunotherapy (hypo-/desensitization) in allergic diseases (author's transl)] Urbanek R. **Monatsschr Kinderheilkd** 1981 Jan;129(1):13–7 (16 ref.) (Eng. Abstr.) **(Ger)**
[Possibilities and limits of desensitization] Mohorn M, et al. **Z Arztl Fortbild (Jena)** 1981 Jun 1;75(11–12):524–6 **(Ger)**
[Respiratory allergy in childhood. Specific immunotherapy] Zannino L. **Minerva Pediatr** 1981 Aug 15;33(15):759–72 (76 ref.) **(Ita)**
[Experimental study of specific hyposensitization (author's transl)] Inazawa M, et al. **Arerugi** 1982 Mar;31(3):151–6 (Eng. Abstr.) **(Jpn)**
[Measurement of specific IgG antibody using protein A-sepharose CL-4B in patients with bronchial asthma undergoing long term hyposensitization therapy (author's transl)] Jyo T, et al. **Nippon Kyobu Shikkan Gakkai Zasshi** 1981 Apr;19(4):223–9 (Eng. Abstr.) **(Jpn)**
[Effect of desensitization treatment with Pollinex on the T- and B-lymphocyte subpopulations in hay fever] Małolepszy J, et al. **Pol Arch Med Wewn** 1981 Sep;66(3):197–200 (Eng. Abstr.) **(Pol)**
[Immunological mechanism of desensitization treatment of atopic diseases] Kujawa H. **Postepy Hig Med Dosw** 1980; 34(4):321–38 (110 ref.) (Eng. Abstr.) **(Pol)**
[IgE in the serum of children with pollinosis treated by specific desensitization] Pinkawa E, et al. **Wiad Lek** 1982 May 15;35(5):298–303 (Eng. Abstr.) **(Pol)**
[Vascular and thrombocytopenic purpuras as manifestations of immune complex disease. The effect of levamisole and specific hyposensitization in supplementation of the classic treatments] Meilă P, et al. **Rev Pediatr Obstet Ginecol [Pediatr]** 1981 Jul–Sep; 30(3):257–62 (Eng. Abstr.) **(Rum)**
[Clinico-immunological evaluation of the effectiveness of specific hyposensitization in children with allergic diseases] Kuznetsova NI, et al. **Pediatriia** 1982 Feb;(2):35–7 **(Rus)**

ADVERSE EFFECTS

Adverse reactions to venom immunotherapy. Ramirez DA, et al. **Ann Allergy** 1981 Dec;47(6):435–9
The hazard of mould hyposensitization in children with asthma. Kaad PH, et al. **Clin Allergy** 1982 May;12(3):317–20

METHODS

Immunotherapy with glutaraldehyde treated tyrosine adsorbed grass pollen in the treatment of allergic rhinitis. Small P, et al. **Ann Allergy** 1981 Dec;47(6):443–5
Induction of antigen specific hyposensitization to poison oak in sensitized adults. Epstein WL, et al. **Arch Dermatol** 1982 Sep;118(9):630–3
Allergy testing and hyposensitisation [letter] Czarn D, et al. **Med J Aust** 1981 Nov 28;2(11):579–80
Tiger snake envenomation and muscle spasm [letter] Frost J. **Med J Aust** 1981 Nov 28;2(11):579–80
[Practical aspects of oral hyposensitization of pollinosis patients by pollen capsules. Requests for protocols from general practice] Stickl H. **Fortschr Med** 1981 Dec 17; 99(47–48):1991–3 **(Ger)**
[The treatment of housedustmite-allergy-three years' experience with hyposensitization with D.pteronyssinus-Preparations (D.P.) (author's transl)] Stammberger H. **Laryngol Rhinol Otol (Stuttg)** 1980; 59(12):820–8 (Eng. Abstr.) **(Ger)**
[Efficacy of oral hyposensitization treatment in house dust mite allergy (author's transl)] Urbanek R, et al. **Monatsschr Kinderheilkd** 1982 Mar;130(3):150–2 (Eng. Abstr.) **(Ger)**
[Antibody response pattern (specific IgE and IgG) of insect sting allergic patients in immunotherapy with venom preparations] Wüthrich B, et al. **Schweiz Med Wochenschr** 1981 Nov 14;111(46):1756–65 (Eng. Abstr.) **(Ger)**
[Specific desensitization treatment of children with food hypersensitivity by the sublingual method] Potemkina AM, et al. **Pediatriia** 1982 Feb;(2):38–40 **(Rus)**
[Local specific treatment of dust-induced bronchial asthma] Moshkevich VS, et al. **Ter Arkh** 1982;54(4):72–6 (Eng. Abstr.) **(Rus)**

DESENSITIZATION (PSYCHOLOGY) see under **BEHAVIOR THERAPY**

DESERPIDINE see under **RESERPINE**

DESERT CLIMATE

Behavioural adaptations of birds to environments where evaporation is high and water is in short supply. Davies SJ. **Comp Biochem Physiol [A]** 1982;71(4):557–66 (40 ref.)
Responses of men and women to desert heat. Yousef MK. **Int J Biometeorol** 1980 Dec;24 Suppl 2:29–41
Background continental ozone levels in the rural U.S. southwest desert. Hoffer TE, et al. **Sci Total Environ** 1982 Apr;23:17–30
[Passage of natural radionuclides along the chain of soil–feed–sheep organs and tissues in a desert area] Mordberg EL, et al. **Gig Sanit** 1981 Nov;(11):78–9 **(Rus)**
[Role of aquatic arthopods in decreasing the population of mass species of bloodsucking Diptera in the arid zone of Kazakhstan] Akhmetbekova RT, et al. **Parazitologiia** 1982 May–Jun;16(3):246–8 **(Rus)**
[Characteristics of iron deficiency anemias in children in regions with a hot dry climate] Tuliaganov KS, et al. **Pediatriia** 1982 May;(5):59–60 **(Rus)**
[Work organization of a regimental medical center in a mountain-desert (steppe) locality during the conduct of combat operations with regular resources] Sidel'nikov AI. **Voen Med Zh** 1982 Jun;(6):13–8 **(Rus)**
[Kidney function in hot climates] Kuvshinova EI. **Vopr Kurortol Fizioter Lech Fiz Kult** 1981 Nov–Dec; (6):58–62 (57 ref.) **(Rus)**

DESFERRIOXAMINE see **DEFEROXAMINE**

DESICCATION

The effects of floor temperature, supplemental heat and drying at birth on neonatal swine. McGinnis RM, et al. **J Anim Sci** 1981 Dec;53(6):1424–32
A study of the volumetric setting shrinkage of some dental materials. Bandyopadhyay S. **J Biomed Mater Res** 1982 Mar;16(2):135–44
Urine evaporative loss and effects on specific gravity and osmolality. Williams PR, et al. **J Pediatr** 1982 Apr; 100(4):626–8
Tray drying of pharmaceutical wet granulations. Carstensen JT, et al. **J Pharm Sci** 1982 Jan;71(1):35–9
[Low-temperature disturbance of plasma membrane permeability related to dehydration] Gulevskiĭ AK, et al. **Dokl Akad Nauk SSSR** 1982;263(5):1250–4 **(Rus)**

ADVERSE EFFECTS

Corneal endothelial cell shrinkage after critical point drying. Schutten WH, et al. **Ann Ophthalmol** 1980 Oct; 12(10):1165–7

METHODS

Food dehydration by solar energy. Bolin HR, et al. **CRC Crit Rev Food Sci Nutr** 1982;16(4):327–54 (34 ref.)
Partial matricectomy with electrodesiccation for permanent repair of ingrown nail borders. Kerman BL, et al. **J Foot Surg** 1982 Spring;21(1):54–6
[Escape of radionuclides from carcass during microwave dehydration process (author's transl)] Sanada S, et al. **Kaku Igaku** 1981 Apr;18(3):339–44 **(Jpn)**
[Controlled dehydration in the combined treatment of suppurative inflammatory diseases of the maxillofacial area] Aleksandrov VN, et al. **Stomatologiia (Mosk)** 1982 May–Jun;61(3):44–7 (Eng. Abstr.) **(Rus)**

DESICKLING AGENTS see **ANTISICKLING AGENTS**

DESIGN, EQUIPMENT see **EQUIPMENT DESIGN**

DESIPRAMINE

ADMINISTRATION & DOSAGE

Increased intracranial self-stimulation in rats after long-term administration of desipramine. Fibiger HC, et al. **Science** 1981 Nov 6;214(4521):683–5

ADVERSE EFFECTS

Desipramine and premature ventricular contractions [letter] Gorman JM. **Am J Psychiatry** 1982 Jan;139(1):142
Major adverse reactions during desipramine treatment: relationship to plasma drug concentrations, concomitant antipsychotic treatment, and patient characteristics. Nelson JC, et al. **Arch Gen Psychiatry** 1982 Sep;39(9):1055–61
Desipramine-induced agranulocytosis. A case report. Hardin TC, et al. **Drug Intell Clin Pharm** 1982 Jan;16(1):62–3
Does subclinical hypothyroidism predispose to tricyclic-induced rapid mood cycles? Extein I, et al. **J Clin Psychiatry** 1982 Jul;43(7):290–1
Desipramine cardiac toxicity. Carpenter P, et al. **Minn Med** 1982 Apr;65(4):231–4

ANALOGS & DERIVATIVES

Altered hydroxydesipramine concentrations in elderly depressed patients. Kitanaka I, et al. **Clin Pharmacol Ther** 1982 Jan;31(1):51–5
Determination of 2-hydroxydesipramine by high-performance liquid chromatography. Wong SH, et al. **J Chromatogr** 1981 Nov 13;226(1):147–54

ANALYSIS

GLC method for iminodibenzyl and desipramine impurities in imipramine hydrochloride and its formulated products. Thompson DW. **J Pharm Sci** 1982 May;71(5):536–8

BLOOD

Lorazepam and desipramine serum concentration [letter] Rosenblatt JE. **Am J Psychiatry** 1982 Apr;139(4):536–7
Quantitative mapping of metabolites of imipramine and desipramine in plasma samples by gas chromatographic–mass spectrometry. Narasimhachari N, et al. **Biol Psychiatry** 1981 Oct;16(10):937–44
Simultaneous analysis of imipramine and its metabolite desipramine in biological fluids. Craig JC, et al. **J Chromatogr** 1982 Apr 30;239:81–6
Estimating steady state desipramine levels in noninstitutionalized elderly patients using single dose disposition parameters. Antal EJ, et al. **J Clin Psychopharmacol** 1982 Jun;2(3):193–8
The usefulness of desipramine blood level monitoring: a case report. McClure SP, et al. **J Clin Psychopharmacol** 1982 Feb;2(1):51–3
A comparison of plasma and serum levels of two tricyclic antidepressants: imipramine and desipramine. Saady JJ, et al. **Psychopharmacology (Berlin)** 1981;75(2):173–4

METABOLISM

Increased binding of desmethylimipramine in plasma of phenobarbital-treated rats. Brinkschulte M, et al. **Biochem Pharmacol** 1982 May 1;31(9):1749–54
Altered hydroxydesipramine concentrations in elderly depressed patients. Kitanaka I, et al. **Clin Pharmacol Ther** 1982 Jan;31(1):51–5
Active metabolites of imipramine and desipramine in man. Potter WZ, et al. **Clin Pharmacol Ther** 1982 Mar; 31(3):393–401
Plasma concentration monitoring of hydroxylated metabolites of imipramine and desipramine. DeVane CL, et al. **Drug Intell Clin Pharm** 1981 Apr;15(4):263–6
[3H]Desipramine and [3H]imipramine binding are not associated with noradrenaline and serotonin uptake in the brain. Laduron PM, et al. **Eur J Pharmacol** 1982 Mar 26; 78(4):491–3
High-affinity [3H] DMI binding is associated with neuronal noradrenaline uptake in the periphery and the central nervous system. Langer SZ, et al. **Eur J Pharmacol** 1981 Jul 10;72(4):423–4
High-affinity [3H]desipramine binding in the peripheral and central nervous system: a specific site associated with the neuronal uptake of noradrenaline. Raisman R, et al. **Eur J Pharmacol** 1982 Mar 12;78(3):345–51
High-affinity binding of [3H]desipramine to rat brain: a presynaptic marker for noradrenergic uptake sites. Rehavi M, et al. **J Neurochem** 1982 Apr;38(4):889–95
Sex differences in the uptake and retention of imipramine and desmethylimipramine in the rat lung. Ginsburg E, et al. **Life Sci** 1982 Mar 1;30(9):757–60
Cerebral pharmacokinetics of imipramine in rats after single and multiple dosages. Daniel W, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1981 Nov; 317(3):209–13
Norepinephrine neuronal uptake binding sites in rat brain membranes labeled with [3H]desipramine. Lee CM, et al. **Proc Natl Acad Sci USA** 1981 Aug;78(8):5250–4
Pharmacological characterization of [3H] desipramine binding in rat cerebral cortex. Hrdina PD. **Prog Neuropsychopharmacol** 1981;5(5–6):553–7

PHARMACODYNAMICS

Actions of lofepramine, a new tricyclic antidepressant, and desipramine on electrophysiological and mechanical parameters of guinea pig atrial and papillary muscles. Arlock P. **Acta Pharmacol Toxicol (Copenh)** 1981 Oct; 49(4):248–58
Presynaptic adrenergic receptor sensitivity in depression. The effect of long-term desipramine treatment. Charney DS, et al. **Arch Gen Psychiatry** 1981 Dec;38(12):1334–40
A study on the effect of chlorpromazine and desipramine on the activity of some adrenal enzymes. Chan MY, et al. **Biochem Pharmacol** 1981 Dec 15;30(24):3365–7
Cyclic AMP response to norepinephrine in the limbic forebrain of male and female rats: effect of desipramine. Mishra R, et al. **Biochem Pharmacol** 1981 Nov 15; 30(22):3126–8

Tricyclic antidepressants induce sphingomyelinase deficiency in fibroblast and neuroblastoma cell cultures. Albouz S, et al. **Biomedicine** 1981 Dec;35(7-8):218-20

Pupil studies in depressed patients: an investigation of the mechanism of action of desipramine. Shur E, et al. **Br J Psychiatry** 1982 Feb;140:181-4

Evidence suggesting that DMI-induced resistance to extinction is not mediated by the dorsal noradrenergic bundle. Willner P, et al. **Brain Res** 1982 Apr 22; 238(1):251-3

The effect of long-term chlorpromazine and desipramine treatment on adrenal corticosterone, cyclic AMP, and cholesterol distribution in rats. Hung F, et al. **Clin Exp Pharmacol Physiol** 1981 Nov-Dec;8(6):567-74

Effects of subchronic desmethylimipramine (DMI) treatment on the classically conditioned eyeblink response in rabbits. Montgomery T, et al. **Commun Psychopharmacol** 1980; 4(6):519-25

Mechanism for gastric antisecretory effects of desmethylimipramine in rats. Pendleton RG, et al. **Eur J Pharmacol** 1981 Nov 5;75(4):171-8

Loss of rat cerebral cortical opiate receptors following chronic desimipramine treatment. Reisine T, et al. **Eur J Pharmacol** 1982 Jan 8;77(1):39-44

Behavioural evidence for supersensitivity of postsynaptic dopamine receptors in the mesolimbic system after chronic administration of desipramine. Spyraki C, et al. **Eur J Pharmacol** 1981 Sep 11;74(2-3):195-206

Role of imipramine & desipramine in counteracting diazepam induced changes of adenosinetriphosphatase & cholinesterase of human fetal brain. Das S, et al. **Indian J Exp Biol** 1981 Aug;19(8):738-43

Role of neuronal signal input in the down-regulation of central noradrenergic receptor function by antidepressant drugs. Janowsky A, et al. **J Neurochem** 1982 Jul;39(1):290-2

Desipramine and growth hormone secretion [letter] Laakmann G, et al. **Lancet** 1981 Oct 31;2(8253):996

Pre- and postsynaptic adrenergic activation by norepinephrine reuptake inhibitors in the field-stimulated rat vas deferens. Lotti VJ, et al. **Life Sci** 1981 Aug 10; 29(6):633-9

Effects of acutely and chronically administered antidepressants on the brain regional 3-methoxy-4-hydroxyphenylethyleneglycol sulfate in the forced swimming rat. Miyauchi T, et al. **Life Sci** 1981 Nov 2;29(18):1921-8

3H-Noradrenaline and 3H-5-hydroxytryptamine release from rat brain slices and its presynaptic alpha-adrenergic modulation after long-term desipramine pretreatment. Schoffelmeer AN, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1982 Feb; 318(3):173-80

3H-WB 4101 binding in the rat vas deferens. Effects of chronic treatments with desipramine and prazosin. Wetzel HW, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1981 Nov;317(3):187-92

Receptor dynamics: effect of repeated administration of desmethylimipramine on the noradrenergic systems in rat brain. Bürki HR, et al. **Postgrad Med J** 1981;57 Suppl 1:71-6

Effect of acute and chronic treatment with tricyclic antidepressants on 3-methoxy-4-hydroxyphenylethyleneglycol sulfate (MHPG-SO4) contents in various regions of rat brain. Miyauchi T, et al. **Prog Neuropsychopharmacol Biol Psychiatry** 1982; 6(2):137-42

The effects of desmethylimipramine and lithium on human sperm function. Amsterdam JD, et al. **Psychoneuroendocrinology** 1981 Dec;6(4):359-63

Effects of zimelidine and desipramine on serotonin and noradrenaline uptake mechanisms in relation to plasma concentrations and to therapeutic effects during treatment of depression. Aberg-Wistedt A, et al. **Psychopharmacology (Berlin)** 1981;74(4):297-305

Behavioural changes during withdrawal from desmethylimipramine (DMI). II. Increased resistance to extinction. Willner P, et al. **Psychopharmacology (Berlin)** 1981;75(1):60-4

Behavioural changes during withdrawal from desmethylimipramine (DMI). I. Interactions with amphetamine. Willner P, et al. **Psychopharmacology (Berlin)** 1981;75(1):54-9

[Decrease of paradoxical sleep in the rat under tricyclic antidepressant: the role of collateral inhibition (author's transl)] Justafre JC, et al. **Rev Electroencephalogr Neurophysiol Clin** 1981 Nov; 11(2):228-35 (Eng. Abstr.) **(Fre)**

POISONING

Variant ventricular tachycardia in desipramine toxicity. Lee WR, et al. **South Med J** 1981 Oct;74(10):1268-9

THERAPEUTIC USE

Double-blind comparison of doxepin and desipramine in patients with primary affective disorder. Amsterdam JD, et al. **Acta Psychiatr Scand** 1982 Apr;65(4):292-300

Alteration of norepinephrine metabolism with desipramine and zimelidine in depressed patients. Linnoila M, et al. **Arch Gen Psychiatry** 1982 Sep;39(9):1025-8

A pilot study of the mechanism of action of desipramine. Checkley SA, et al. **Br J Psychiatry** 1981 Mar;138:248-51

Efficacy of desipramine in endogenomorphically depressed patients. Stewart JW, et al. **J Affective Disord** 1980 Sep; 2(3):165-76

Plasma MHPG in depression: effects of acute and chronic desipramine treatment. Charney DS, et al. **Psychiatry Res** 1981 Oct;5(2):217-29

Depression, antidepressants, and plasma DBH. Mathew RJ, et al. **Psychiatry Res** 1981 Dec;5(3):331-4

DESITRIPTYLINE see **NORTRIPTYLINE**

DESLANOSIDE see under **LANATOSIDES**

DESMETHYLAMITRIPTYLIN see **NORTRIPTYLINE**

DESMETHYLIMIPRAMINE see **DESIPRAMINE**

DESMOLASES see **LYASES**

DESMOPRESSIN see under **ARGIPRESSIN**

DESMOSINE see under **AMINO ACIDS**

DESMOSOMES

CLASSIFICATION

Desmosome formation in normal human epidermal cell culture. Hino H, et al. **Acta Derm Venereol (Stockh)** 1982; 62(3):185-91

PHYSIOLOGY

Inhibition of desmosome formation with tunicamycin and with lectin in corneal cell aggregates. Overton J. **Dev Biol** 1982 Jul;92(1):66-72

ULTRASTRUCTURE

Size of desmosomes and hemidesmosomes in normal human epidermis. Hino H, et al. **Acta Derm Venereol (Stockh)** 1981; 61(4):279-84

Structural relationship between desmosomes and mitochondria in human livers exhibiting a wide range of diseases. Rassat J, et al. **Am J Pathol** 1981 Dec; 105(3):207-11

Intracellular desmosome-like structures in differentiating wound epithelium of the healing tooth socket in the rat. McMillan MD. **Arch Oral Biol** 1981;26(3):259-61

Quantitative studies of hemidesmosomes during progressive DMBA carcinogenesis in hamster cheek-pouch mucosa. White FH, et al. **Br J Cancer** 1981 Sep;44(3):440-50

Antibodies to high molecular weight polypeptides of desmosomes: specific localization of a class of junctional proteins in cells and tissue. Franke WW, et al. **Differentiation** 1981;20(3):217-41

Desmosome frequency: Experimental alteration may correlate with differential cell adhesion. Wiseman LL, et al. **J Cell Sci** 1981 Jun;49:217-23

Desmosomes and gap junctions in precarcinomatous and carcinomatous conditions of squamous epithelia. An electron microscopic and morphometrical study. Kocher O, et al. **J Submicrosc Cytol** 1981 Apr;13(2):267-81

Junctional complexes in regenerating endocardium. Turcotte H, et al. **J Ultrastruct Res** 1982 May;79(2):133-41

[Freeze-fracture studies of human keratinocyte junctions (I). Alterations of desmosome structures during normal keratinization (author's transl)] Kitajima Y, et al. **Nippon Hifuka Gakkai Zasshi** 1981 Dec 15;91(14):1771-80 **(Jpn)**

[Transformation of the cytoplasmic processes in desmosome formation in the normal multilayer squamous epithelium and in cervical carcinoma in situ] Chernyi AP, et al. **Tsitologiia** 1981 Jul;23(7):773-8 (Eng. Abstr.) **(Rus)**

DESMOSTEROL

METABOLISM

Sarcolemmal desmosterol accumulation and membrane physical properties in 20,25-diazacholesterol myotonia. Chalikian DM, et al. **Muscle Nerve** 1982 Feb;5(2):118-24

DESONIDE see under **PREGNADIENETRIOLS**

DESOXIMETASONE see under **DEXAMETHASONE**

DESOXYCHOLIC ACID see **DEOXYCHOLIC ACID**

DESOXYCORTICOSTERONE

Parathyroidectomy ameliorates vascular lesions induced by deoxycorticosterone in the rat. Nickerson PA, et al. **Am J Pathol** 1981 Nov;105(2):185-90

The role of prostaglandins in diabetes insipidus produced by desoxycorticosterone in the dog. Düsing R, et al. **Endocrinology** 1982 Feb;110(2):644-9

Pre- and postcapillary vascular responses to sympathetic nerve stimulation in DOCA-hypertensive dogs. Brock TA, et al. **Hypertension** 1981 Jul-Aug;3(4):471-8

Vascular changes in DOCA hypertension. Influence of a low protein diet. Moreland RS, et al. **Hypertension** 1982 Sep-Oct;4(5 Pt 2):II99-107

Effect of AV3V lesions on development of DOCA-salt hypertension and vascular Na+-pump activity. Songu-Mize E, et al. **Hypertension** 1982 Sep-Oct; 4(5):575-80

Role of extracellular volume expansion in the development of DOC-salt hypertension in the rat. Villamil MF, et al. **Hypertension** 1982 Sep-Oct;4(5):620-4

Potassium relaxation of vascular smooth muscle from DOCA hypertensive pigs. Webb RC. **Hypertension** 1982 Sep-Oct; 4(5):609-19

Heymann nephritis-DOCA-NaCl hypertension in the rat. Role of nephritis, DOCA, NaCl, and vascular lesions in the development of hypertension. Tikkanen I, et al. **Nephron** 1981;28(2):90-5

ADMINISTRATION & DOSAGE

Combined treatment of severe hyponatremia due to inappropriate antidiuretic hormone secretion. Weizman Z, et al. **Pediatrics** 1982 May;69(5):610-2

[Treatment of hypotension complicating pregnancy improves fetal outcome] Grünberger W, et al. **Med Klin** 1981 Apr 24;76(9):257-60 (Eng. Abstr.) **(Ger)**

ANALOGS & DERIVATIVES

Mineralocorticoid activity of 19-nor-DOC and 19-OH-DOC in toad bladder. Perrone RD, et al. **Am J Physiol** 1981 Nov;241(5):E406-9

Mineralocorticoid activity of 19-nor-DOC and 19-OH-DOC in adrenalectomized rat. Perrone RD, et al. **Am J Physiol** 1982 May;242(5):E305-8

Urinary 19-nor-deoxycorticosterone excretion in the spontaneously hypertensive rat. Dale SL, et al. **Endocrinology** 1982 Jun;110(6):1989-93

Identification of 19-hydroxydeoxycorticosterone, 19-oxo-deoxycorticosterone, and 19-oic-deoxycorticosterone as products of deoxycorticosterone metabolism by rat adrenals. Gomez-Sanchez CE, et al. **Endocrinology** 1982 Feb; 110(2):384-9

18-hydroxy-11-deoxycorticosterone response to ACTH, insulin and furosemide administration in essential hypertensive patients. Tosti-Croce C, et al. **Horm Res** 1981; 15(1):28-36

Deoxycorticosterone sulfate biosynthesis in human fetal kidney. Casey ML, et al. **J Clin Endocrinol Metab** 1981 Nov;53(5):990-6

Metabolism of deoxycorticosterone and deoxycorticosterone sulfate in men and women. Casey ML, et al. **J Clin Invest** 1982 Aug;70(2):312-9

Studies on the mechanism of secretion of corticosteroids by the isolated perfused adrenal of the rat. Sibley CP, et al. **J Endocrinol** 1981 Nov;91(2):313-23

Adrenal circadian system in young and elderly human subjects: a comparative study. Touitou Y, et al. **J Endocrinol** 1982 May;93(2):201-10

Synthesis and mass spectrometric analysis of hexahydrogenated products of aldosterone, 18-hydroxycorticosterone and 18-hydroxy-11-deoxycorticosterone. Bournot P, et al. **J Steroid Biochem** 1981 Nov;14(11):1127-37

The relationship between plasma 18-hydroxy-11-deoxycorticosterone levels and production of hypertension in the rat. Carroll J, et al. **J Steroid Biochem** 1981 Oct;14(10):989-95

Affinity-labelling corticoids. I. Synthesis of 21-chloroprogesterone, deoxycorticosterone 21-(1-imidazole) carboxylate, 21-deoxy-21-chloro dexamethasone, and dexamethasone 21-mesylate, 21-bromoacetate, and 21-iodoacetate. Dunkerton LV, et al. **Steroids** 1982 Jan;39(1):1-6

19-nor-deoxycorticosterone excretion in healthy and hypertensive subjects. Griffing GT, et al. **Trans Assoc Am Physicians** 1981;94:301-9

BLOOD

Blood levels of ethynylestradiol, caffeine, aldosterone and desoxycorticosterone in hypertensive oral contraceptive users. Kaul L, et al. **Contraception** 1981 Jun;23(6):643-51

A simultaneous radioimmunoassay for aldosterone and its precursors: human plasma levels following the inhibition of converting enzyme, before and after blockade of prostaglandin biosynthesis. Witzgall H, et al. **J Clin Chem Clin Biochem** 1981 Jun;19(6):387-94

Regulation of extraadrenal steroid 21-hydroxylase activity. Increased conversion of plasma progesterone to deoxycorticosterone during estrogen treatment of women pregnant with a dead fetus. MacDonald PC, et al. **J Clin Invest** 1982 Feb;69(2).469-78

DIAGNOSTIC USE

DOCA test for aldosteronism: its usefulness and implications. Rodriguez JA, et al. **Hypertension** 1981 Nov-Dec;3(6 Pt 2):II-102-6

ISOLATION & PURIFICATION

Celite multi-column chromatography for the simultaneous separation of progesterone, deoxycorticosterone and 17 alpha-hydroxyprogesterone from small plasma or tissue samples. Kreutzmann DJ, et al. **J Chromatogr** 1982 Mar 12;228:95-101

METABOLISM

Identification of 19-hydroxydeoxycorticosterone, 19-oxo-deoxycorticosterone, and 19-oic-deoxycorticosterone as products of deoxycorticosterone metabolism by rat adrenals. Gomez-Sanchez CE, et al. **Endocrinology** 1982 Feb; 110(2):384–9

Formation of deoxycorticosterone from progesterone in extraadrenal tissues: demonstration of steroid 21-hydroxylase activity in human aorta. Casey ML, et al. **J Clin Endocrinol Metab** 1982 Oct;55(4):804–6

Metabolism of deoxycorticosterone and deoxycorticosterone sulfate in men and women. Casey ML, et al. **J Clin Invest** 1982 Aug;70(2):312–9

PHARMACODYNAMICS

Effect of cortisol, deoxycorticosterone and 19-nortestosterone on the gametogenesis of the snail Helix pomatia. Csaba G, et al. **Acta Biol Acad Sci Hung** 1981; 32(1):15–8

Effect of cycloheximide on corticosteroid-induced changes in colonic function. Charney AN, et al. **Am J Physiol** 1982 Aug;243(2):G112–6

Increased fluid absorption and cell volume in isolated rabbit proximal straight tubules after in vivo DOCA administration. Knepper MA, et al. **Am J Physiol** 1981 Nov; 241(5):F502–8

Effects of adrenocorticoids on impeded and unimpeded eruption rates and on the mechanical properties of the periodontium in the rat mandibular incisor. Chiba M, et al. **Arch Oral Biol** 1981;26(7):577–83

Adrenal hormones and ethanol ingestion in C57BL/Crgl and C3H/Crgl/2 mice. Green V. **Behav Neural Biol** 1981 Jan; 31(1):56–66

Impairment of neurally-mediated vasoconstriction in DOCA-salt hypertensive dogs. Hamed AT, et al. **Clin Exp Hypertens [A]** 1982;4(6):867–81

Dependence of renal vasodilator effect of captopril on prevailing plasma renin level in the dog: influence of DOCA-salt treatment. Wong PC, et al. **Clin Sci** 1982 Oct; 63(4):355–60

Vasopressin-induced increase in total peripheral resistance in deoxycorticosterone acetate hypertensive rats is buffered by the baroreceptor reflex. Rascher W, et al. **Clin Sci [Suppl]** 1981 Dec;61(7):153s–156s

Plasma catecholamines, noradrenaline metabolism and vascular response in desoxycorticosterone acetate hypertension of rats. Rascher W, et al. **Eur J Pharmacol** 1981 Nov 5;75(4):255–63

Effects of sodium loading, desoxycorticosterone acetate, and corticosterone on urinary kallikrein excretion. Bönner G, et al. **Horm Res** 1981;14(2):87–94

Renin-like activity in the rat brain during the development of DOC-salt hypertension. Basso N, et al. **Hypertension** 1981 Nov-Dec;3(6 Pt 2):II-14–7

Vasopressin-central nervous system interactions in the development of DOCA hypertension. Berecek KH, et al. **Hypertension** 1982 May-Jun;4(3 Pt 2):131–7

Norepinephrine sensitivity and membrane potentials of caudal arterial muscle in DOCA-salt, Dahl, and SHR hypertension in rat. Hermsmeyer K, et al. **Hypertension** 1982 May-Jun;4(3 Pt 2):49–51

Hypertensinogenic potencies of aldosterone and deoxycorticosterone in the rat. Komanicky P, et al. **Hypertension** 1982 Jan-Feb;4(1):140–5

Responsiveness to pressor agents in experimental renovascular and steroid hypertension. Effects of converting enzyme inhibitor and nephrectomy. Marks ES, et al. **Hypertension** 1982 Mar-Apr;4(2):238–44

Effect of prostaglandin inhibition on the hypertensive action of sodium-retaining steroids. Martin K, et al. **Hypertension** 1981 Sep-Oct;3(5):622–8

Anomalous response of urinary kallikrein to deoxycorticosterone in Dahl salt-sensitive rats. Rapp JP, et al. **Hypertension** 1982 Jan-Feb;4(1):20–6

Hormonal responsiveness of a preadipose cell line derived from newborn mouse calvaria. Kodama HA, et al. **J Cell Physiol** 1982 Jul;112(1):83–8

Glucocorticoid and mineralocorticoid effects on adrenocorticotropin and beta-endorphin in the adrenalectomized rat. Lim AT, et al. **J Clin Invest** 1982 May;69(5):1191–8

Enhanced arrhythmogenic activity of beta-adrenoceptor stimulants in desoxycorticosterone-pretreated rats. Green M, et al. **J Toxicol Clin Toxicol** 1982 Apr;19(2):203–13

Sympathetic and pressor hyperresponsiveness to intracisternal injections of hypertonic NaCl in DOCA hypertensive rats. Takeda K, et al. **Jpn Circ J** 1981 Sep; 45(9):1126–9

Gentamicin-induced acute renal failure in the rat. Effect of dehydration, DOCA-saline and furosemide. de Rougemont D, et al. **Nephron** 1981;29(3-4):176–84

Some effects of feeding deoxycorticosterone to chickens. Gross WB, et al. **Poult Sci** 1981 Oct;60(10):2232–9

[Effect of sodium balance after parathyroidectomy on hypertension in SHR and DOCA + saline treated rats] Pernot F, et al. **C R Soc Biol (Paris)** 1982;176(2):216–22 (Eng. Abstr.) **(Fre)**

[Role of ACTH and corticosteroids in the aggressive-defensive behavior of rats] Sever'ianova LA. **Fiziol Zh SSSR** 1981 Aug;67(8):1117–22 (Eng. Abstr.) **(Rus)**

URINE

[Significance of corticosteroid metabolism disorders and the course of autoimmune reactions in children with cerebral palsy] Semenova KA, et al. **Pediatriia** 1981 Sep;(9):17–20 (Eng. Abstr.) **(Rus)**

DESOXYCORTONE see **DESOXYCORTICOSTERONE**

DESOXYNOREPHEDRIN see **AMPHETAMINE**

DESOXYPHENOBARBITAL see **PRIMIDONE**

DESOXYRIBONUCLEASE see **DEOXYRIBONUCLEASE**

DESULFOVIBRIO

ANALYSIS

Purification and characterization of cytochrome C3 (Mr 26,000) isolated form Desulfovibrio desulfuricans Norway strain. Guerlesquin F, et al. **Biochem Biophys Res Commun** 1982 Mar 30;105(2):530–8

Iron-sulphur cluster composition and redox properties of two ferredoxins from Desulfovibrio desulfuricans Norway strain. Guerlesquin F, et al. **Biochim Biophys Acta** 1982 Mar 16;679(3):422–7

The three-iron cluster in a ferredoxin from Desulphovibrio gigas. A low-temperature magnetic circular dichroism study. Thomson AJ, et al. **Biochim Biophys Acta** 1981 Aug 28;670(1):93–100

The structure of cytochrome c3 from Desulfovibrio vulgaris Miyazaki at 2.5 A resolution. Higuchi Y, et al. **J Biochem (Tokyo)** 1981 May;89(5):1659–62

Resonance Raman spectra of three-iron centers in ferredoxins from Desulfovibrio gigas. Johnson MK, et al. **J Biol Chem** 1981 Oct 10;256(19):9806–8

DRUG EFFECTS

[Cellular study of a lysogenic Desulfovibrio desulfuricans culture after mitomycin C induction] Studenikina FG, et al. **Mikrobiologiia** 1981 Sep-Oct;50(5):849–51 (Eng. Abstr.) **(Rus)**

ENZYMOLOGY

Cytochrome C553 from Desulfovibrio vulgaris: potentiometric characterization by optical and EPR studies. Bertrand P, et al. **Biochem Biophys Res Commun** 1982 Jun 15;106(3):756–60

A cobalt porphyrin containing protein reducible by hydrogenase isolated from Desulfovibrio desulfuricans (Norway). Hatchikian EC. **Biochem Biophys Res Commun** 1981 Nov 30;103(2):521–30

The presence of redox-sensitive nickel in the periplasmic hydrogenase from Desulfovibrio gigas. LeGall J, et al. **Biochem Biophys Res Commun** 1982 May 31;106(2):610–6

Activation, reduction and proton-deuterium exchange reaction of the periplasmic hydrogenase from Desulfovibrio gigas in relation with the role of cytochrome c3. Berlier YM, et al. **FEBS Lett** 1982 Apr 19;140(2):185–8

D-lactate dehydrogenase of Desulfovibrio vulgaris. Ogata M, et al. **J Biochem (Tokyo)** 1981 May;89(5):1423–31

GROWTH & DEVELOPMENT

Microcalorimetric studies of the growth of sulfate-reducing bacteria: comparison of the growth parameters of some Desulfovibrio species. Traore AS, et al. **J Bacteriol** 1982 Feb;149(2):606–11

METABOLISM

Studies on sulfite reduction by Desulfovibrio vulgaris. Domka F, et al. **Acta Microbiol Pol** 1981;30(3):247–53

Core dimensions in the 3Fe cluster of Desulfovibrio gigas ferredoxin II by extended X-ray absorption fine structure spectroscopy. Antonio MR, et al. **J Biol Chem** 1982 Jun 25;257(12):6646–9

The isolation of a hexaheme cytochrome from Desulfovibrio desulfuricans and its identification as a new type of nitrite reductase. Liu MC, et al. **J Biol Chem** 1981 Dec 25; 256(24):13159–64

Interconversions of [3Fe-3S] and [4Fe-4S] clusters. Mössbauer and electron paramagnetic resonance studies of Desulfovibrio gigas ferredoxin II. Moura JJ, et al. **J Biol Chem** 1982 Jun 10;257(11):6259–67

DETERGENTS see under **SURFACE-ACTIVE AGENTS**

DETOXICATION, DRUG, METABOLIC see **METABOLIC DETOXICATION, DRUG**

DEUTERIUM

The preparation of specifically deuterium- or tritium-labeled N-acetylneuraminic acid and cytidine-5'-monophospho-beta-N-acetylneuraminic acid as precursors for glycoconjugate synthesis. Dorland L, et al. **Biochem Biophys Res Commun** 1982 Feb 11; 104(3):1114–9

Polynucleotide melting in heavy and light water. Blake RD. **Biochemistry** 1981 Sep 29;20(20):5735–43

Penicillanic acid sulfone: an unexpected isotope effect in the interaction of 6 alpha- and 6 beta-monodeuterio and of 6,6-dideuterio derivatives with RTEM beta-lactamase from Escherichia coli. Brenner DG, et al. **Biochemistry** 1981 Jun 23;20(13):3680–7

Effect of 2H2O/H2O replacement on the dielectric structure of lipid bilayer membranes. Coster HG, et al. **Biochim Biophys Acta** 1982 Mar 23;686(1):141–3

Nuclear magnetic resonance analysis of water in natural and deuterated mouse muscle above and below freezing. Peemoeller H, et al. **Biophys J** 1980 Mar;29(3):427–35

Hydrogen bonding in mechanisms of anaesthesia tested with chloroform and deuterated chloroform. Wood S, et al. **Br J Anaesth** 1982 Apr;54(4):387–91

Selective synthesis of octadeuterated (+/-)-5-HETE for use in GC-MS quantitation of 5-HETE. Hubbard WC, et al. **Prostaglandins** 1982 Jan;23(1):61–5

Syntheses of deuterated 3'-hydroxymethyl-4-(dimethylamino)-azobenzene and related compound. Mori Y, et al. **Radioisotopes** 1981 Feb; 30(2):86–91

Synthesis of optically active 2-(4-(2-thienylcarbonyl)-phenyl)propionic acid labeled with deuterium. Mori Y, et al. **Radioisotopes** 1981 Nov; 30(11):590–5

Suppression of germination of rice seeds by deuterium oxide. Shibabe S, et al. **Radioisotopes** 1980 Oct;29(10):493–4

Effect of heavy water on the first-leaf growth of barley. Yamaguchi H, et al. **Radioisotopes** 1981 Apr;30(4):217–8

ADVERSE EFFECTS

Nephrotoxicity and hepatotoxicity of chloroform in mice: effect of deuterium substitution. Ahmadizadeh M, et al. **J Toxicol Environ Health** 1981 Jul-Aug;8(1-2):105–11

Effects of prolonged moderate body deuteration on proliferative activity in major cell renewal systems in mice. Hodel A, et al. **Life Sci** 1982 Jun 7;30(23):1987–96

DIAGNOSTIC USE

Estimation of deuteration levels in whole cells and cellular proteins by 1H n.m.r. spectroscopy and neutron scattering. Perkins SJ. **Biochem J** 1981 Oct 1;199(1):163–70

Deuterium labelled steroid hormones: syntheses and application in quantitation and endocrinology. Johnson DW, et al. **J Steroid Biochem** 1981 Aug;14(8):793–800 (45 ref.)

[Use of the stable isotopes in life science. (II). Quantitative analysis of 2H(D) and 13C labeled compounds in biological samples by gaschromatography-mass spectrometry (author's transl)] Baba S. **Radioisotopes** 1982 Feb; 31(2):119–26 **(Jpn)**

METABOLISM

Deuterium isotope effects on the enzymatic oxidative deamination of trace amines. Yu PH, et al. **Biochem Pharmacol** 1981 Nov 15;30(22):3089–94

Primary deuterium and tritium isotope effects upon V/K in the liver alcohol dehydrogenase reaction with ethanol. Damgaard SE. **Biochemistry** 1981 Sep 29;20(20):5662–9

Use of isotope effects and pH studies to determine the chemical mechanism of Bacillus subtilis L-alanine dehydrogenase. Grimshaw CE, et al. **Biochemistry** 1981 Sep 29;20(20):5655–61

On the hydrogen-deuterium exchange reaction catalyzed by the soluble hydrogenase from Alcaligenes eutrophus H16 in the free and immobilized state. Egerer P, et al. **Biochim Biophys Acta** 1982 May 3;703(2):149–57

Steric course of deuterium incorporation from [2-2H2]malonyl-CoA into fatty acids by fatty acid synthetases. Saito K, et al. **J Biochem (Tokyo)** 1981 Dec; 90(6):1697–704

Micro determination of glyceryl trinitrate in biological fluids; effect of deuteration of glyceryl trinitrate on its pharmacokinetic properties. Taylor IW, et al. **J Pharm Pharmacol** 1981 Apr;33(4):244–6

Deuterium atom exchange in 3,3,4,4'-[2H]-6-oxo-prostaglandin F1 alpha in the course of its derivatisation. Mallet AI. **Prostaglandins Leukotrienes Med** 1982 Feb;8(2):181–4

Hydrogen isotope ratios of mouse tissues are influenced by a variety of factors other than diet [letter] DeNiro MJ, et al. **Science** 1981 Dec 18;214(4527):1374–6

[Kinetic isotope effect on metabolism of deuterated aminopyrines (author's transl)] Goromaru T, et al. **Yakugaku Zasshi** 1981 Jun;101(6):544–7 **(Jpn)**

PHARMACODYNAMICS

Solvent substitution as a probe of channel gating in Myxicola. Effects of D2O on kinetic properties of drugs that occlude channels. Schauf CL, et al. **Biophys J** 1982 Feb; 37(2):441–52

Effects of deuterium oxide on the rate and dissociation constants for saxitoxin and tetrodotoxin action. Voltage-clamp studies on frog myelinated nerve. Hahin R, et al. **J Gen Physiol** 1981 Aug;78(2):113–39

Force-velocity relation in deuterium oxide-treated frog single muscle fibres during the rise of tension in an isometric tetanus. Cecchi G, et al. **J Physiol (Lond)** 1981 Aug; 317:207–21

Alteration in thermal sensitivity of chinese hamster cells by D2O treatment. Azzam EI, et al. **Radiat Res** 1982 Jun;

90(3):644–8

THERAPEUTIC USE

Survival of tumor-bearing mice exposed to heavy water or heavy water plus methotrexate. Laissue JA, et al. **Cancer Res** 1982 Mar;42(3):1125–9

DEUTEROMYCETES

ANALYSIS

Antibiotics from basidiomycetes. XI. The biological activity of siccayne, isolated from the marine fungus Halocyphina villosa J. & E. Kohlmeyer. Kupka J, et al. **J Antibiot (Tokyo)** 1981 Mar;34(3):298–304

CLASSIFICATION

Hyphozyma, a new genus of yeast-like Hyphomycetes. de Hoog GS, et al. **Antonie Van Leeuwenhoek** 1981; 47(4):339–52

A new dematiaceous fungus from human skin. de Hoog GS, et al. **Sabouraudia** 1982 Mar;20(1):15–20

DRUG EFFECTS

In vitro evaluation of fungicides and antibiotics against Macrophomina phaseolina (Tassi) Goid, the incitant of leaf spot of soybean (Glycine max.). Kaur M, et al. **Hindustan Antibiot Bull** 1981;23:41–4

Comparative effect of amphotericin B on Rhizoctonia sp., Paecilomyces lilacinus & Fusarium solani in vitro & in experimental keratitis. Wahab S, et al. **Indian J Exp Biol** 1981 May;19(5):458–61

Stimulation of the extension of validamycin-inhibited hyphae by the hyphal extension factor present in Rhizoctonia solani. Shibata M, et al. **J Antibiot (Tokyo)** 1981 Apr; 34(4):447–51

Effect of pyrethroid insecticides on soybean and its pathogen Rhizoctonia solani Kuehn. Tu CM. **J Environ Sci Health [B]** 1982;17(1):43–50

Susceptibility of dermatiaceous fungi to amphotericin B, miconazole, ketoconazole, flucytosine and rifampin alone and in combination. Corrado ML, et al. **Sabouraudia** 1982 Jun;20(2):109–13

ENZYMOLOGY

Induction of phenol-metabolizing enzymes in Trichosporon cutaneum. Gaal A, et al. **Arch Microbiol** 1981 Sep; 130(1):54–8

Purification and characterization of a thermostable glucoamylase from the thermophilic fungus Thermomyces lanuginosus. Basaveswara Rao V, et al. **Biochem J** 1981 Feb 1;193(2):379–87

The beta-glucosidase from Botryodiplodia theobromae. Mechanism of enzyme action. Umezurike GM. **Biochem J** 1981 Oct 1;199(1):203–9

A defined growth medium for the production of chloroperoxidase by Caldariomyces fumago. Pickard MA. **Can J Microbiol** 1981 Dec;27(12):1298–305

GROWTH & DEVELOPMENT

Dimorphic behaviour and taxonomy of Trichosporiella sporotrichoides. van Oorschot CA, et al. **Antonie Van Leeuwenhoek** 1981;47(4):353–66

Mycoparasitism of sclerotial fungi by Teratosperma oligocladum. Ayers WA, et al. **Can J Microbiol** 1981 Sep; 27(9):886–92

Growth rate of keratinophilic fungi to some volatile substances. Singh KV, et al. **Mykosen** 1981 Oct; 24(10):630–4

IMMUNOLOGY

Treatment of equine phycomycosis by immunotherapy and surgery. Miller RI. **Aust Vet J** 1981 Aug;57(8):377–82

Evaluation of skin test for chromoblastomycosis using antigens prepared from culture filtrates of Fonsecaea pedrosoi, Phialophora verrucosa, Wangiella dermatitidis and Exophiala jeanselmei. Iwatsu T, et al. **Mycopathologia** 1982 Jan 15;77(1):59–64

ISOLATION & PURIFICATION

Isolation of dematiaceous pathogenic fungi from a feed and seed warehouse. Espinel-Ingroff A, et al. **J Clin Microbiol** 1982 Apr;15(4):714–9

Isolation of dematiaceous fungi from a college greenhouse. Dixon DM. **Mycopathologia** 1982 May 22;78(2):123–4

A Samoan case of chromoblastomycosis caused by Cladophialophora ajelloi. Goh KS, et al. **Sabouraudia** 1982 Mar;20(1):1–7

METABOLISM

Identification of sterigmatocystin as a metabolite of Monocillium nordinii. Ayer WA, et al. **Can J Microbiol** 1981 Aug;27(8):846–7

Microbial synthesis of 1 beta- and 15 beta-hydroxylated bile acids. Carlström K, et al. **J Lipid Res** 1981 Nov; 22(8):1225–34

PATHOGENICITY

An association of a Lolium endophyte with ryegrass staggers [letter] Fletcher LR, et al. **NZ Vet J** 1981 Oct;29(10):185–6

PHYSIOLOGY

Germination of macroconidia and growth of Sporidesmium sclerotivorum in vitro. Ayers WA, et al. **Can J Microbiol** 1981 Jul;27(7):664–9

Nutritional and environmental factors affecting growth and sporulation of Sporidesmium sclerotivorum. Barnett EA, et al. **Can J Microbiol** 1981 Jul;27(7):685–91

Studies on a saprophyte of Exophiala dermatitidis isolated from a humidifier. Nishimura K, et al. **Mycopathologia** 1982 Mar 19;77(3):173–81

DEUTERONS see **DEUTERIUM**

DEUTEROPORPHYRINS see under **PORPHYRINS**

DEVELOPING COUNTRIES

The risks and benefits of oral contraceptives in the developing world. Past experiences and future perspectives. Belsey MA. **Acta Obstet Gynecol Scand [Suppl]** 1982; 105:61–70

The rationale for radical surgery as the treatment of choice for chronic maxillary sinusitis in developing countries. Obiako MN. **Acta Otolaryngol (Stockh)** 1981 Jul–Aug; 92(1–2):131–6

Epidemiology and mental health services: principles and applications in developing countries. **Acta Psychiatr Scand [Suppl]** 1982;296:1–93

Epidemiological surveys in developing countries. Potential and constraints. Baasher TA. **Acta Psychiatr Scand [Suppl]** 1982;296:45–51

An epidemiological approach to the improvement of mental health services in developing countries. Giel R. **Acta Psychiatr Scand [Suppl]** 1982;296:56–63

Measles immunity and immunization in developing countries of Africa: a review. Abdurrahman MB, et al. **Afr J Med Med Sci** 1981 Mar–Jun;10(1–2):57–62 (39 ref.)

The energy expenditure of female carpet weavers and rural women in Iran. Geissler CA, et al. **Am J Clin Nutr** 1981 Dec;34(12):2776–83

Long-term energy balance in child-bearing Gambian women. Prentice AM, et al. **Am J Clin Nutr** 1981 Dec; 34(12):2790–9

Recommended dietary allowances and Third World populations. Walker AR, et al. **Am J Clin Nutr** 1981 Oct; 34(10):2319–21

Comments on the World Health Organization's 'International Code' of marketing breastmilk substitutes. Graham GG. **Am J Dis Child** 1981 Oct;135(10):892–4

The anatomy of the infant formula controversy. Joseph SC. **Am J Dis Child** 1981 Oct;135(10):889–92

The relative contribution of prematurity and fetal growth retardation to low birth weight in developing and developed societies. Villar J. et al. **Am J Obstet Gynecol** 1982 Aug 1;143(7):793–8

Oral rehydration and social change: the control of diarrheal diseases in the third world [editorial] Yankauer A. **Am J Public Health** 1982 Oct;72(10):1105–6

Selective medical libraries and library networks for developing countries. Bruer JT, et al. **Am J Trop Med Hyg** 1981 Sep;30(5):1133–40

Pharmaceuticals in third world markets. Special opportunities, special problems. Griffin RJ Jr. **Am Pharm** 1982 Mar;22(3):18–21

Anaesthesia in the North West Frontier Province of Pakistan [letter] Currie AL. **Anaesthesia** 1982 Aug;37(8):858–60

Selective obstetric epidural service in a developing country. Ukpoma SO, et al. **Anaesthesia** 1981 Aug;36(8):816–8

'Maternity blues' in East African clinic attenders. Harris B. **Arch Gen Psychiatry** 1981 Nov;38(11):1293–5

Training of psychiatrists for developing countries. Deva MP. **Aust NZ J Psychiatry** 1981 Dec;15(4):343–7

Clinical pharmacology in developing countries. Fraser HS. **Br J Clin Pharmacol** 1981 May;11(5):457–9

Sexually transmitted diseases in Sabah and Sarawak. Catterall RD. **Br J Vener Dis** 1981 Dec;57(6):363–6

Sexually transmitted diseases in Ethiopia. Social factors contributing to their spread and implications for developing countries. Plorde DS. **Br J Vener Dis** 1981 Dec; 57(6):357–62

Haematology in developing countries [letter] Gurney M, et al. **Br Med J [Clin Res]** 1981 Dec 5;283(6305):1549–50

Alcoholism in the Third World [letter] Joseph FG. **Br Med J [Clin Res]** 1982 Apr 10;284(6322):1123

Alcohol in the Third World: a chance to avoid a miserable trap. Smith R. **Br Med J [Clin Res]** 1982 Jan 16; 284(6310):183–5

Cervical cancer prevention and control in developing countries: a model program. Goes JS Jr, et al. **Bull Pan Am Health Organ** 1981;15(3):216–25

Preventable crippling in the children of developing countries. Huston AF. **Can J Public Health** 1981 May–Jun;72(3):116–9

Problems of tuberculosis in developing countries. Pamra SP. **Clin Chest Med** 1980 May;1(2):265–71 (21 ref.)

Blood transfusion and blood bank management in a tropical country. David-West AS. **Clin Haematol** 1981 Oct; 10(3):1013–28

Observations on the epidemiology and preventability of rheumatic fever in developing countries. Markowitz M. **Clin Ther** 1981;4(4):240–51

The fate of the pregnant diabetic in the developing country: Kenya. Fraser RB. **Diabetologia** 1982 Jan;22(1):21–4

Adult ocular injuries in Lesotho. Gordon YJ, et al. **Doc Ophthalmol** 1981 Jul 15;51(3):187–92

Food: a priority for consumer protection in Asia and the Pacific Region. Malik RK. **Food Nutr (Roma)** 1981; 7(2):18–23

Development and food consumption patterns in rural Sierra Leone. Smith VE, et al. **Food Nutr (Roma)** 1981;7(2):24–32

End-stage renal disease in Jamaica: how patients cope in a developing society. Alleyne SI, et al. **Health Soc Work** 1982 May;7(2):130–3

International differences in infant mortality and the impact of malnutrition: a review. Ashworth A. **Hum Nutr Clin Nutr** 1982;36C(1):7–23 (61 ref.)

Control of rheumatic fever in developing countries. Sharma KB, et al. **Indian J Pediatr** 1981 May–Jun;48(392):379–84

Mortality trends and prospects among children in developing countries (an abridged review). Bhatty A. **Indian J Public Health** 1981 Apr–Jun;25(2):87–92

Modelling determinants of health. Patel M. **Int J Epidemiol** 1981 Jun;10(2):177–80

Mode of production and population patterns: policy implications for West African development. Franke RW. **Int J Health Serv** 1981;11(3):361–87

Leprosy eradication in the developing countries: the required necessary foundation [letter] Wemambu SN. **Int J Lepr** 1982 Mar;50(1):116

Reflections on the management of cancer of the cervix in developing countries [editorial] Vera R. **Int J Radiat Oncol Biol Phys** 1982 May;8(5):953–5

Recent features of the WHO programme for disability prevention in the African region. Cardenal F. **Int Rehabil Med** 1981;3(4):210–213

Conventional and high-technology teaching methods for educating health professionals in developing nations. McArthur JR. **J Audiov Media Med** 1982 Jan;5(1):21–6

Kenya: a case study in Third World medicine. Kaufman A, et al. **J Fam Pract** 1982 Mar;14(3):609–10

Medical education [editorial] Dutta GP. **J Indian Med Assoc** 1981 May 1;76(9):177–8

Travelers' diarrhea in panamanian tourists in Mexico. Ryder RW, et al. **J Infect Dis** 1981 Nov;144(5):442–8

Medical education in Indonesia: primary care and community health. Smilkstein G. **J Med Educ** 1982 May;57(5):386–92

Protein energy malnutrition related to diarrhea in Thai children. Tontisirin K, et al. **J Nutr Sci Vitaminol (Tokyo)** 1981;27(6):513–20 (12 ref.)

Neuroepidemiology in the developing countries [editorial] Capildeo R, et al. **J R Soc Med** 1982 May;75(5):305–6

The need for an integrated approach to the provision of essential health care services: a study from the Gambia. Walker GJ, et al. **J Trop Med Hyg** 1981 Oct;84(5):203–8

Is poliomyelitis a serious problem in developing countries? The Vellore experience. John TK, et al. **J Trop Pediatr** 1982 Feb;28(1):11–3

Management of expressed human milk in a developing country–experiences and practical guidelines. Narayanan I, et al. **J Trop Pediatr** 1982 Feb;28(1):25–8

Acute diarrhoea in the developing world. Nazer H. **J Trop Pediatr** 1982 Feb;28(1):1–4

Infant feeding in developing countries: combating the multinationals imperative. Steady FC. **J Trop Pediatr** 1981 Aug;27(4):215–20

The trend away from breast feeding in a developing country: a women's perspective. Zurayk HC, et al. **J Trop Pediatr** 1981 Oct;27(5):237–44

Restructuring health care in the Third World [news] Carpenter M. **JAMA** 1982 Mar 12;247(10):1383, 1387–8

Clinical epidemiology in the third world [editorial] **Lancet** 1982 Jun 26;1(8287):1448

Rheumatic heart disease unabated in developing countries. Agarwal BL. **Lancet** 1981 Oct 24;2(8252):910–1

Preparation and use of cryoprecipitate in a developing country [letter] Essien EM, et al. **Lancet** 1982 Jul 10; 2(8289):109

Attainable growth [letter] Eusebio JS, et al. **Lancet** 1981 Nov 28;2(8257):1223

Breastfeeding in developing countries. Villar J, et al. **Lancet** 1981 Sep 19;2(8247):621–3

Ciba-Geigy, amidopyrine, and the Third World [letter] Yudkin JS. **Lancet** 1981 Nov 14;2(8255):1114

Information sources for leprosy, with particular reference to developing countries. Dorrington L. **Lepr Rev** 1982 Jun; 53(2):105–14

Undrained brains [letter] **N Engl J Med** 1982 May 27; 306(21):1297–8

Sounding Boards. Undrained brains: a modest proposal to recognize some contemporary medical heroes. Crawshaw R. **N Engl J Med** 1982 Jan 14;306(2):99–101

Shattuck Lecture—health care in the developing world: problems of scarcity and choice. Evans JR, et al. **N Engl J Med** 1981 Nov 5;305(19):1117–27

Health care in the developing world [letter] Fettner AG. **N Engl J Med** 1982 Mar 18;306(11):682

Treatment of severe tetanus with mechanical ventilation in developing country. Hassan R, et al. **Paediatr Indones** 1981 Nov–Dec;21(11–12):221–8

Improving the nutrition of the child. With particular

reference to developing countries. Srivastava JR. **Paediatrician** 1982;11(1-2):99-109
Mission Micronesia. Soderdahl DW. **Pharos** 1981 Summer; 44(3):9-13
Alternative development strategies and their effects on national nutrition policies and plans. Montoya MU. **Prog Clin Biol Res** 1981;77:965-72
Nutritional status, patterns of day care, and behavioral development in a Brazilian underprivileged population. Rossetti Ferreira MC, et al. **Prog Clin Biol Res** 1981; 77:421-9
Priorities for research in maternal nutrition in the developing world. Soysa PE. **Prog Clin Biol Res** 1981;77:671-6
Iron fortification in developing countries. Viteri FE, et al. **Prog Clin Biol Res** 1981;77:345-54
The impact of food aid and trade practices on LDC food and nutrition. Wallerstein MB. **Prog Clin Biol Res** 1981; 77:973-85
Mobile health care services in developing countries. Torfs ME. **Public Health Rev** 1980 Jan-Jun;9(1-2):93-112 (33 ref.)
Adapting the tracer method of care assessment for use in developing countries. Stillman JB. **QRB** 1982 Mar;8(3):6-9
Aspects of stress among traditionally living people in a developing country. Ramasuvha VS. **S Afr Med J** 1982 Jun 5;61(23):879-80
Life expectancy and population growth in the third world. Gwatkin DR, et al. **Sci Am** 1982 May;246(5):57-65
Applied biology in developing countries [editorial] Abelson PH. **Science** 1982 Sep 3;217(4563):889
Agricultural research and Third World food production. Plucknett DL, et al. **Science** 1982 Jul 16;217(4556):215-20
Socioeconomic development and mortality levels in less developed countries. Yang SO, et al. **Soc Biol** 1980 Fall; 27(3):220-9
Selective primary health care: is efficient sufficient? Berman PA. **Soc Sci Med** 1982;16(10):1054-9
Selective primary health care: old wine in new bottles. Gish O. **Soc Sci Med** 1982;16(10):1049-54
Barriers to the promotion of dental health in developing countries. Hobdell MH, et al. **Soc Sci Med [a]** 1981 Dec; 15A(6):817-23
Objective indicators of health in western Zambia. Blom DH. **Soc Sci Med [B]** 1981 Jul;15(3):395-8
User preferences for contraceptive methods in India, Korea, the Philippines, and Turkey. World Health Organization Task Force on Psychosocial Research in Family Planning and Task Force on Service Research in Family Planning. **Stud Fam Plann** 1980 Sep-Oct;11(9-10):267-73
Malnutrition and fecundity. Bongaarts J. **Stud Fam Plann** 1980 Dec;11(12):401-6
Health care data recording system for developing countries. Brolly EH. **Trop Doct** 1982 Jul;12(3):105-9
Environmental pollution by anaesthetic agents: a consideration for developing countries. Nightingale KW. **Trop Doct** 1982 Jan;12(1):2-7
Vascular access for haemodialysis for renal failure in a developing country. Yeboah ED, et al. **Trop Doct** 1982 Jul;12(3):110-4
The last developed countries: a substantial new programme of action for the 1980s. **WHO Chron** 1981;35(6):223-6
[Relation between food and types of development] Blardone G. **Acquis Med Recent** 1981;198:35-55 **(Fre)**
[Child psychiatry in developing countries] Velasco D. **Ann Med Psychol (Paris)** 1981 Jun;139(6):626-8 **(Fre)**
[Artificial crystalline lens in developing countries (author's transl)] Cahuzac G, et al. **Med Trop (Mars)** 1981 Sep-Oct; 41(5):541-54 (Eng. Abstr.) **(Fre)**
[The physician and primary health cares (author's transl)] Fournier G. **Med Trop (Mars)** 1981 Jul-Aug;41(4):363-72 (Eng. Abstr.) **(Fre)**
[Simplified methods for detection of proteino-caloric malnutrition in child (author's transl)] Gourier F. **Med Trop (Mars)** 1981 Jul-Aug;41(4):385-91 (Eng. Abstr.) **(Fre)**
[Anthropometric nutritional indices and food intake of a child population of South Ivory Coast (author's transl)] Schoepfer M, et al. **Med Trop (Mars)** 1981 Jul-Aug; 41(4):393-402 (Eng. Abstr.) **(Fre)**
[The present tuberculosis situation in developing countries] Styblo K. **Z Erkr Atmungsorgane** 1982;158(1-2):63-5 (Eng. Abstr.) **(Ger)**
[Medicine in developing countries] **Nord Med** 1982 Feb; 97(2):38-62 **(Mul)**
[Development of the cooperation of the USSR with liberated developing countries in the field of public health in light of the decisions of the 26th Congress of the CPSU] Gritsenko AS, et al. **Sov Zdravookhr** 1982;(1):53-7 **(Rus)**
[Maternal and child welfare in the developing countries of Asia] Rozov AA, et al. **Sov Zdravookhr** 1981;(12):39-44 **(Rus)**
[Supply of physicians in developing countries] Rozov AA, et al. **Sov Zdravookhr** 1982;(3):56-60 **(Rus)**
[Food and nutrition planning. Review of the results of an international conference] Aranda-Pastor J, et al. **Arch Latinoam Nutr** 1980 Dec;30(4):509-14 **(Spa)**
[The role of food processing and nutrition disorders (editorial)] Bresani R. **Arch Latinoam Nutr** 1981 Dec; 31(4):641-4 **(Spa)**
[Environmental and sociocultural parameters affecting nutrition in Third World countries] Sanjur D. **Arch Latinoam Nutr** 1980 Dec;30(4):634-55 (Eng. Abstr.) **(Spa)**
[Women in health and development. 5-year plan for the Americas] **Bol Of Sanit Panam** 1982 Feb;92(2):153-74 **(Spa)**
[Health and development (editorial)] Acuña HR. **Bol Of Sanit Panam** 1981 Aug;91(2):95-8 **(Spa)**
[Aging and the developing nations of the Americas] Ehrlich SP Jr, et al. **Bol Of Sanit Panam** 1981 Dec;91(6):512-9 (Eng. Abstr.) **(Spa)**
[Participation of universities in the economic and social development of the Americas] Acuña HR. **Educ Med Salud** 1982;16(2):113-7 **(Spa)**
[Documentation in developing countries and related technological issues] Ember G. **Educ Med Salud** 1981; 15(4):442-56 (Eng. Abstr.) **(Spa)**
[Congenital syphilis in adopted children from developing countries] Gustavson KH, et al. **Lakartidningen** 1981 Aug 5;78(32-33):2773-4 **(Swe)**
[To work as a physician in underdeveloped countries--how much must one know?] Liljestrand J, et al. **Lakartidningen** 1981 Sep 2;78(36):3062-3 **(Swe)**

DEVELOPMENTAL DELAY DISORDERS see **CHILD DEVELOPMENT DISORDERS**

DEVIATION, EPISTATIC see **EPISTASIS, GENETIC**

DEVICE DESIGN see **EQUIPMENT DESIGN**

DEVICE FAILURE see **EQUIPMENT FAILURE**

DEVICE SAFETY see **EQUIPMENT SAFETY**

DEVICES see **EQUIPMENT AND SUPPLIES**

DEXAMETHASONE

ADMINISTRATION & DOSAGE

Antenatal dexamethasone and prevention of respiratory distress syndrome [letter] **Am J Obstet Gynecol** 1982 Sep 1;144(1):113-4
Hypothalamic-pituitary-adrenocortical function during long-term low-dose dexamethasone therapy in hyperandrogenized women. Boyers SP, et al. **Am J Obstet Gynecol** 1982 Feb 1;142(3):330-9
Treatment of persistent eustachian tube dysfunction in children with aerosolized nasal dexamethasone phosphate versus placebo. Shapiro GG, et al. **Ann Allergy** 1982 Aug; 49(2):81-5
The effect of inhalation of nebulized steroid on the acid aspiration syndrome. Warriner CB, et al. **Can Anaesth Soc J** 1981 Sep;28(5):436-41
Termination of pregnancy with cloprostenol and dexamethasone in intact or ovariectomized cows. Johnson WH, et al. **Can Vet J** 1981 Sep;22(9):288-90
High-dose dexamethasone for prevention of cis-platin-induced vomiting. Aapro MS, et al. **Cancer Chemother Pharmacol** 1981;7(1):11-4
Receptor-dependent antiproliferative effects of corticosteroids in radiation-induced fibrosarcomas and implications for sequential therapy. Braunschweiger PG, et al. **Cancer Res** 1982 May;42(5):1686-91
Effect of splenectomy and dexamethasone administration on cattle experimentally infected with Babesia ovata. Fujinaga T. **Nippon Juigaku Zasshi** 1982 Feb;44(1):71-80
Effects of dexamethasone infusion on the plasma cortisol response to cosyntropin (synthetic ACTH) injection in normal dogs. Kemppainen RJ, et al. **Res Vet Sci** 1982 Mar; 32(2):181-3
Use of cloprostenol with dexamethasone in the termination of advanced pregnancy in heifers. Murray RD, et al. **Vet Rec** 1981 Apr 25;108(17):378-80
[Comparative evaluation of the treatment of pemphigus with corticosteroids and corticosteroids combined with immunosuppressive agents] Michałowski R, et al. **Przegl Dermatol** 1981 Mar-Apr;68(2):227-32 **(Pol)**
[Effect of different degrees of saturation with glucocorticoids on CFUs levels in peripheral blood] Romashko OO, et al. **Biull Eksp Biol Med** 1982 Mar;93(3):70-2 **(Rus)**
[Use of glucocorticoid preparations in congenital adrenocortical dysfunction] Zelenetskaia VS, et al. **Probl Endokrinol (Mosk)** 1982 Jan-Feb;28(1):38-42 (Eng. Abstr.) **(Rus)**

ADVERSE EFFECTS

Corticosteroid-induced iridocyclitis in a family [letter] Kass MA, et al. **Am J Ophthalmol** 1982 Mar;93(3):368-9
Antenatal dexamethasone and subsequent lung growth. Wong YC, et al. **Arch Dis Child** 1982 Jul;57(7):536-8
Delayed fracture union associated with dexamethasone nasal spray [letter] Kovarsky J, et al. **Arthritis Rheum** 1982 May; 25(5):599-600
Dexamethasone and osteonecrosis. Black KA, et al. **Aust NZ J Med** 1981 Oct;11(5):521-5
Dexamethasone deleterious in cerebral malaria [editorial] Hall AP. **Br Med J [Clin Res]** 1982 May 29; 284(6329):1588-9
Avascular necrosis of bone after high doses of dexamethasone during neurosurgery. McCluskey J, et al. **Br Med J [Clin Res]** 1982 Jan 30;284(6312):333-4
Glucocorticoid-induced inhibition of osteolysis and the development of osteopetrosis, osteonecrosis and osteoporosis. Glade MJ, et al. **Cornell Vet** 1982 Jan; 72(1):76-91
Multiple joint osteonecrosis following short-term steroid therapy. Case report. Anderton JM, et al. **J Bone Joint Surg [Am]** 1982 Jan;64-A(1):139-41
Hazards of long-term dexamethasone treatment in primary aldosteronism [letter] Hoefnagels WH, et al. **N Engl J Med** 1982 Feb 18;306(7):427-8
Dexamethasone proves deleterious in cerebral malaria. A double-blind trial in 100 comatose patients. Warrell DA, et al. **N Engl J Med** 1982 Feb 11;306(6):313-9
Neonatal leukocytosis associated with prenatal administration of dexamethasone. Otero L, et al. **Pediatrics** 1981 Dec; 68(6):778-80
Effects of adrenocortical stress responses and metabolic functions during and after long-term administration of dexamethasone to adult Evans-Long rats. Bryson G, et al. **Res Commun Chem Pathol Pharmacol** 1981 Nov; 34(2):267-86
Unusual side effects of high-dose IV steroids [letter] Rhea WG Jr. **South Med J** 1981 Sep;74(9):1166
[Corticoid myopathy in children] Siegert E, et al. **Acta Paediatr Acad Sci Hung** 1981;22(3):211-5 **(Ger)**
[Cushing's syndrome induced by the use of dexamethasone administered nasally in spray form. Report of 3 cases] Halpern A, et al. **Rev Hosp Clin Fac Med Sao Paulo** 1981 Feb;36(1):18-20 (Eng. Abstr.) **(Por)**

ANALOGS & DERIVATIVES

Effect of antenatal dexamethasone administration on the prevention of respiratory distress syndrome. **Am J Obstet Gynecol** 1981 Oct 1;141(3):276-87
Tissue distribution and anti-inflammatory activity of corticosteroids incorporated in lipid emulsion. Mizushima Y, et al. **Ann Rheum Dis** 1982 Jun;41(3):263-7
Dexamethasone synergistically induces chemotactic peptide receptor expression in HL-60 cells. Skubitz KM, et al. **Blood** 1982 Mar;59(3):586-93
Dexamethasone sodium phosphate [letter] Buxton JD. **Br Dent J** 1981 Nov 3;151(9):283
Dexamethasone therapy of infertile men with sperm autoantibodies: immunological and sperm follow-up. De Almeida M, et al. **Clin Exp Immunol** 1981 Jun;44(3):567-75
Rainbow trout lymphoid organs: cellular effects of corticosteroids and anti-thymocyte serum. Chilmonczyk S. **Dev Comp Immunol** 1982 Spring;6(2):271-80
A comparison of the bioavailability and potency of dexamethasone phosphate and sulphate in man. Miyabo S, et al. **Eur J Clin Pharmacol** 1981;20(4):277-82
Iatrogenic hyperadrenocorticism during topical steroid therapy: assessment of systemic effects by metabolic criteria. Cook LJ, et al. **J Am Acad Dermatol** 1982 Jun; 6(6):1054-60
Affinity labeling of the rat liver glucocorticoid receptor with dexamethasone 21-mesylate. Identification of covalently labeled receptor by immunochemical methods. Eisen HJ, et al. **J Biol Chem** 1981 Dec 25;256(24):12920-5
Effect of cycloheximide and dexamethasone phosphate on hyaluronic acid synthesis and secretion in cultured human skin fibroblasts. Mapleson JL, et al. **J Cell Physiol** 1981 Nov;109(2):215-22
Dexamethasone sodium phosphate (Decadron) versus saline placebo injections in strabismus surgery. Choy AE, et al. **J Pediatr Ophthalmol Strabismus** 1982 May-Jun; 19(3):140-3
Dexamethasone in cattle: pharmacokinetics and action on the adrenal gland. Toutain PL, et al. **J Vet Pharmacol Ther** 1982 Mar;5(1):33-43
A comparative study on the rate of de-esterification of dexamethasone phosphate and dexamethasone sulfate in synovial fluids. Sakaguchi M. **Nippon Seikeigeka Gakkai Zasshi** 1981 Nov;55(11):1621-5
Acute protection against arachidonate toxicity by hydrocortisone and dexamethasone in mice. Rabbani F, et al. **Prostaglandins** 1981 May;21(5):699-704
Affinity-labelling corticoids. I. Synthesis of 21-chloroprogesterone, deoxycorticosterone 21-(1-imidazole) carboxylate, 21-deoxy-21-chloro dexamethasone, and dexamethasone 21-mesylate, 21-bromoacetate, and 21-iodoacetate. Dunkerton LV, et al. **Steroids** 1982 Jan;39(1):1-6
Effect of steroids on the outcome of penicillin treatment in pneumococcal sepsis in splenectomized rats. Gullstrand P, et al. **Surgery** 1982 Feb;91(2):222-5
The effect of corticosteroid therapy on infection with Toxocara canis in dogs. Lloyd S, et al. **Z Parasitenkd** 1981; 66(1):57-61
[Vorenicol and Bisolvon: advice] Nouws JF. **Tijdschr Diergeneeskd** 1981 Nov 15;106(22):1166-8 **(Dut)**
[The usefulness of dexamethasonephosphate in the conservative treatment of lumbar pain--a double-blind study (author's transl)] Hofferberth B, et al. **Arch Psychiatr Nervenkr** 1982;231(4):359-67 (Eng. Abstr.) **(Ger)**
[Surprising cure of radiogenic x-ray dermatitis] Kuhlmann F. **Fortschr Med** 1981 Jan 29;99(4):86-7 **(Ger)**
[Clinical experiences with desoximetasone preparations (Topisilon ointment, fatty ointment, lotion) in dermatologic disorders. 8-year study] Wysocki R. **Fortschr Med** 1982 Apr 22;100(15):708-13 **(Ger)**
[Action of 2% dexamethasone linoleate cream in various

dermatoses] Gratacos R. **Med Cutan Iber Lat Am** 1981; 9(2):149–54 (Eng. Abstr.) **(Spa)**

[Parallel double-blind comparison of bazalin and desoximetasone 0.25 in neurodermatitis] Gratacos R. **Med Cutan Iber Lat Am** 1981;9(5):383–8 (Eng. Abstr.) **(Spa)**

ANALYSIS

Dexamethasone receptors in human epidermis. Hughes A, et al. **Br J Dermatol** 1982 Mar;106(3):299–302

ANTAGONISTS & INHIBITORS

In vivo antiglucocorticoids: Comparison between in vivo activity and in vitro competition of progestins for the glucocorticoid receptor. Naylor PH, et al. **J Steroid Biochem** 1981 Dec;14(12):1303–9

BLOOD

Evidence for inhibition by beta-endorphin of vasopressin release during foot shock-induced stress in the rat. Knepel W, et al. **Neuroendocrinology** 1982;34(5):353–6

DIAGNOSTIC USE

The dexamethasone suppression test. Harris E. **Am J Nurs** 1982 May;82(5):784–5

Suicidal behavior and the DST: lack of association [letter] **Am J Psychiatry** 1982 Sep;139(9):1214–5

The dexamethasone suppression test in outpatients with primary affective disorder and healthy control subjects. Amsterdam JD, et al. **Am J Psychiatry** 1982 Mar; 139(3):287–91

DSM-III melancholia and the primary-secondary distinction: a comparison of concurrent validity by means of the dexamethasone suppression test. Coryell W, et al. **Am J Psychiatry** 1982 Jan;139(1):120–2

Preliminary report on the dexamethasone suppression test for psychiatrically disturbed adolescents. Crumley FE, et al. **Am J Psychiatry** 1982 Aug;139(8):1062–4

The dexamethasone suppression test in panic disorder and agoraphobia. Curtis GC, et al. **Am J Psychiatry** 1982 Aug; 139(8):1043–6

Bulimia related to affective disorder by family history and response to the dexamethasone suppression test. Hudson JI, et al. **Am J Psychiatry** 1982 May;139(5):685–7

Failure to suppress dexamethasone in depression secondary to thyrotoxicosis [letter] King D. **Am J Psychiatry** 1981 Nov;138(11):1514–5

The dexamethasone suppression test in two patients with severe depressive pseudodementia. McAllister TW, et al. **Am J Psychiatry** 1982 Apr;139(4):479–81

Effect of dexamethasone on plasma prolactin and cortisol levels in psychiatric patients. Meltzer HY, et al. **Am J Psychiatry** 1982 Jun;139(6):763–8

The dexamethasone suppression test in prepubertal depressed children. Poznanski EO, et al. **Am J Psychiatry** 1982 Mar; 139(3):321–4

Preliminary report on the dexamethasone suppression test in adolescents. Robbins DR, et al. **Am J Psychiatry** 1982 Jul;139(7):942–3

Fluctuating postdexamethasone cortisol levels in a patient with melancholia. Rothschild AJ, et al. **Am J Psychiatry** 1982 Jan;139(1):129–30

DST during drug-induced switch from depression to mania [letter] Schaffer CB. **Am J Psychiatry** 1982 Aug;139(8):1081

Does the dexamethasone suppression test distinguish dementia from depression? Spar JE, et al. **Am J Psychiatry** 1982 Feb;139(2):238–40

The dexamethasone suppression test and response to methylphenidate in depression. Sternbach H, et al. **Am J Psychiatry** 1981 Dec;138(12):1629–31

Serum cortisol levels in Cushing's syndrome after low- and high-dose dexamethasone suppression. Ashcraft MW, et al. **Ann Intern Med** 1982 Jul;97(1):21–6

Dexamethasone suppression test and diagnosis of melancholia [letter] **Arch Gen Psychiatry** 1981 Sep;38(9):1067–8

Dexamethasone and prolactin in depression [letter] Meltzer HY, et al. **Arch Gen Psychiatry** 1982 Feb;39(2):236

Hypothalamic-pituitary-adrenal axis activity and tricyclic response in major depression. Nelson WH, et al. **Arch Gen Psychiatry** 1982 Sep;39(9):1033–6

The dexamethasone suppression test and familial subtypes of depression--a naturalistic replication. Coryell W, et al. **Biol Psychiatry** 1982 Jan;17(1):33–40

Serial dexamethasone suppression tests among rapidly cycling bipolar patients. Greden JF, et al. **Biol Psychiatry** 1982 Apr;17(4):455–62

Interference by carbamazepine with the dexamethasone suppression test. Privitera MR, et al. **Biol Psychiatry** 1982 May;17(5):611–20

Pituitary-adrenal disinhibition as the independent variable in the assessment of behavioral symptoms. Reus VI. **Biol Psychiatry** 1982 Mar;17(3):317–26

Dexamethasone suppression test in primary depression: significance of family history and psychosis. Rudorfer MV, et al. **Biol Psychiatry** 1982 Jan;17(1):41–8

Sleep EEG and dexamethasone suppression test findings in outpatients with unipolar major depressive disorders. Rush AJ, et al. **Biol Psychiatry** 1982 Mar;17(3):327–41

Dexamethasone suppression test: problems and promise. Turner WJ. **Biol Psychiatry** 1982 Jan;17(1):1–2

Corticosteroid-induced ocular hypertension. I. Prevalence in closed-angle glaucoma. Akingbehin AO. **Br J Ophthalmol** 1982 Aug;66(8):536–40

Corticosteroid-induced ocular hypertension. II. An acquired form. Akingbehin AO. **Br J Ophthalmol** 1982 Aug; 66(8):541–5

The dexamethasone suppression test for melancholia. Carroll BJ. **Br J Psychiatry** 1982 Mar;140:292–304

Abnormal suppression of plasma cortisol during the intravenous infusion of dexamethasone to alcoholic patients. Fink RS, et al. **Clin Endocrinol (Oxf)** 1981 Jul; 15(1):97–102

A rise in the glomerular filtration rate as the cause of a 'paradoxical' increase in urinary free cortisol during dexamethasone suppression in a patient with an adrenal adenoma: a case report. Haigh SE, et al. **Clin Endocrinol (Oxf)** 1981 Jul;15(1):53–6

Dexamethasone suppression tests: usefulness of simultaneous measurement of plasma cortisol and dexamethasone. Meikle AW. **Clin Endocrinol (Oxf)** 1982 Apr;16(4):401–8

Neuroendocrine abnormalities in affective disorders. Extein I, et al. **Encephale** 1982;8(2):203–11

The prognostic value of acute adrenal suppression and stimulation tests in hyperandrogenic women. Steinberger E, et al. **Fertil Steril** 1982 Feb;37(2):187–92

Diagnosis of endogenous depression. Comparison of clinical, research and neuroendocrine criteria. Carroll BJ, et al. **J Affective Disord** 1980 Sep;2(3):177–94

Plasma and urinary cortisol levels after dexamethasone in affective disorders. Charles G, et al. **J Affective Disord** 1981 Dec;3(4):397–406

Dexamethasone suppression test and selection of antidepressant medications. Greden JF, et al. **J Affective Disord** 1981 Dec;3(4):389–96

Repeated dexamethasone suppression test during depressive illness. Normalisation of test result compared with clinical improvement. Holsboer F, et al. **J Affective Disord** 1982 Jun;4(2):93–101

Subtypes of unipolar depression distinguished by the dexamethasone suppression test. Targum SD, et al. **J Affective Disord** 1982 Mar;4(1):21–7

Pituitary-adrenocortical function in chronic renal failure: blunted suppression and early escape of plasma cortisol levels after intravenous dexamethasone. Rosman PM, et al. **J Clin Endocrinol Metab** 1982 Mar;54(3):528–33

The overnight dexamethasone suppression test: clinical and theoretical review. Gwirtsman H, et al. **J Clin Psychiatry** 1982 Aug;43(8):321–7 (52 ref.)

Use of dexamethasone suppression test in clinical psychiatry. Kalin NH, et al. **J Clin Psychopharmacol** 1981 Mar; 1(2):64–9

Neuroendocrine diagnostic test in psychiatry. Extein I, et al. **J Med Soc NJ** 1981 Oct;78(11):731–4

The dexamethasone suppression test as a diagnostic aid in late onset paranoia. Ward NG, et al. **J Nerv Ment Dis** 1982 Apr;170(4):248–50

Plasma ACTH and cortisol levels in depressed patients: relation to dexamethasone suppression test. Fang VS, et al. **Life Sci** 1981 Aug 31;29(9):931–8

Saliva cortisol levels following dexamethasone administration in endogenously depressed patients. Poland RE, et al. **Life Sci** 1982 Jan 11;30(2):177–81

ACTH levels after the dexamethasone suppression test in depression [letter] Fang VS, et al. **N Engl J Med** 1982 May 27;306(21):1296–7

ACTH levels after the dexamethasone suppression test in depression [letter] Reus VI, et al. **N Engl J Med** 1982 Jan 28;306(4):238–9

Dexamethasone suppression [letter] Soules MR. **Obstet Gynecol** 1982 May;59(5):671–2

Clinical applications of the dexamethasone suppression test for endogenous depression. Carroll BJ. **Pharmacopsychiatria** 1982 Jan;15(1):19–25 (48 ref.)

Hypothalamic-pituitary-adrenal axis abnormality and ECT response. Coryell W. **Psychiatry Res** 1982 Jun;6(3):283–91

The dexamethasone suppression test in patients with primary obsessive-compulsive disorder. Insel TR, et al. **Psychiatry Res** 1982 Apr;6(2):153–60

Dexamethasone nonsuppression predicts the antidepressant effects of sleep deprivation. Nasrallah HA, et al. **Psychiatry Res** 1982 Feb;6(1):61–64

Dexamethasone suppression test in prepubertal conduct disorder [letter] Targum SD, et al. **Psychiatry Res** 1981 Aug;5(1):107–8

The dexamethasone suppression test: clinical applications. Brown WA. **Psychosomatics** 1981 Nov;22(11):951–5

Pseudodementia: Use of the DST in diagnosis and treatment monitoring. Rudorfer MV, et al. **Psychosomatics** 1982 Apr; 23(4):429–31

The overnight dexamethasone test in the diagnosis of Cushing's syndrome [letter] Jialal I, et al. **S Afr Med J** 1981 Dec 19;60(25):948

[Dexamethasone suppression test and diagnosis of depression] Kristensen CB. **Ugeskr Laeger** 1981 Feb 9;143(7):431 **(Dan)**

[Dexamethasone test and depression] Syvälahti E. **Duodecim** 1982;98(7):535–42 (Eng. Abstr.) **(Fin)**

[ACTH response in the dexamethasone suppression test] Jungmann E, et al. **Med Klin [Klin]** 1982 Jan 1;77(1):22–4 (Eng. Abstr.) **(Ger)**

[ACTH in the dexamethasone suppression test] Jungmann E, et al. **Med Klin [Prax]** 1982 Jan 1;77(1):33–5 (Eng. Abstr.) **(Ger)**

[Importance of dexamethasone-mestranol-HCG tests to diagnosis of acquired adrenogenital syndrome (author's transl)] Göretzlehner G, et al. **Zentralbl Gynakol** 1981; 103(14):835–9 **(Ger)**

[Diagnostic and therapeutic use of dexamethasone suppression in some cases of hirsutism with elevated plasma testosterone (author's transl)] Zanno C, et al. **Ann Osp Maria Vittoria Torino** 1980 Jul–Dec; 23(7–12):428–34 (Eng. Abstr.) **(Ita)**

[Various factors common to the pathogenesis of endogenous depression and chronic alcoholism] Nuller IuL, et al. **Zh Nevropatol Psikhiatr** 1981;81(9):1375–9 (Eng. Abstr.) **(Rus)**

METABOLISM

Autoradiographic study of aldosterone and dexamethasone binding in isolated glomeruli of rabbit kidney. Farman N, et al. **Am J Physiol** 1982 Sep;243(3):F235–42

Progestin-induced enhancement of dexamethasone dissociation from glucocorticoid hormone receptors. Svec F, et al. **Arch Biochem Biophys** 1981 Dec;212(2):417–23

Dexamethasone concentrations in plasma and milk of cows following the injection of long- and short-acting dexamethasone esters. Fairclough RJ, et al. **Aust J Biol Sci** 1981;34(3):313–9

RNA induced reversal of glucocorticoid receptor activation. Hutchens TW, et al. **Biochem Biophys Res Commun** 1982 Mar 15;105(1):20–7

Comparison of dexamethasone binding and resistance to inhibition of induced differentiation in subclones of murine erythroleukemia cells. Osborne HB. **Biochem Biophys Res Commun** 1981 Aug 14;101(3):823–9

Submicromolar free calcium modulates dexamethasone binding to the glucocorticoid receptor. Rousseau GG, et al. **Biochem Biophys Res Commun** 1982 May 14; 106(1):16–22

Influence of steroid-hormone-receptor-protein complexes on initiation of ribonucleic acid synthesis in liver nuclei isolated from rats of various ages. Miller JK, et al. **Biochem J** 1981 Apr 15;196(1):373–5

Intraoperative pharmacokinetics of dexamethasone [letter] McCafferty J, et al. **Br J Clin Pharmacol** 1981 Sep; 12(3):434–6

A qualitative comparison of the glucocorticoid receptor in cytosol from human brain and rat brain. Yu ZY, et al. **Brain Res** 1981 Nov 2;223(2):325–33

A comparison of the bioavailability and potency of dexamethasone phosphate and sulphate in man. Miyabo S, et al. **Eur J Clin Pharmacol** 1981;20(4):277–82

Glucocorticoid localization by radioautography in the rabbit eye following systemic administration of 3H-dexamethasone. Tchernitchin AN, et al. **Experientia** 1981 Oct 15;37(10):1120–1

Partial characterization of Frog (Rana catesbeiana) hepatic glucocorticoid receptor. Woody CJ, et al. **Gen Comp Endocrinol** 1982 May;47(1):28–35

Influence of H-2-linked genes on glucocorticoid receptors in the fetal mouse palate. Katsumata M, et al. **Immunogenetics** 1981;13(4):319–25

Glucocorticoid receptor binding in bovine lens. Wenk EJ, et al. **Invest Ophthalmol Vis Sci** 1982 May;22(5):599–605

Autoradiographic localization of dexamethasone in the rabbit submandibular gland. Hernandez MR, et al. **J Dent Res** 1982 Jun;61(6):821–3

Glucocorticoid receptors in carrageenin-induced granuloma in rats: activation to dexamethasone-binding form by sulfhydryl compounds. Endo Y, et al. **J Steroid Biochem** 1981 Dec;14(12):1337–45

Effect of age on the in vitro glucocorticoid-binding activity of rat adipocytes. Kalimi M, et al. **Mech Ageing Dev** 1981 Sep;17(1):19–25

Glucocorticoid receptor of X. laevis: possible effect of phosphorylation on hormone binding. May FE, et al. **Mol Cell Endocrinol** 1982 Apr;26(1–2):103–17

A possible role for glucocorticoids in denervation atrophy. DuBois DC, et al. **Muscle Nerve** 1981 Sep–Oct;4(5):370–3

Effect of central catecholamine depletion on 3H-dexamethasone binding in the dog. Stith RD, et al. **Neuroendocrinology** 1982 Jun;34(6):410–4

Labelling of Schwann and satellite cells by [3H]dexamethasone in a rat sympathetic ganglion and sciatic nerve. Warembourg M, et al. **Neuroscience** 1981; 6(6):1039–43

Dexamethasone metabolism in the horse. Skrabalak DS, et al. **Steroids** 1982 Mar;39(3):233–44

[Characterization of dexamethasone-binding protein from the rat myocardium] Kyrge PK. **Ukr Biokhim Zh** 1982 Mar–Apr;54(2):134–9 (Eng. Abstr.) **(Rus)**

[Susceptibility of rat thymocyte subpopulations to thymosine affecting their protein synthesis and dexamethasone receptors] Lavrinenko IA, et al. **Vopr Med Khim** 1981 May–Jun;27(3):326–30 (Eng. Abstr.) **(Rus)**

PHARMACODYNAMICS

Hemodynamic effects of massive doses of dexamethasone in controlled hypovolemic shock in the dog. Hellman A, et al. **Acta Anaesthesiol Scand** 1982 Jun;26(3):222–4

Failure of dexamethasone and ACTH tc suppress plasma testosterone in cryptorchid boys. Facchinetti F, et al. **Acta Endocrinol (Copenh)** 1982 Mar;99(3):454–8

Effects of dexamethasone on the hypothalamic-pituitary-thyroid axis in rats. Mitsuma T, et al. **Acta Endocrinol (Copenh)** 1982 May;100(1):51-6

Immunoreactive ACTH in rat pineal: stress and dexamethasone lower the concentrations. Vuolteenaho O, et al. **Acta Physiol Scand** 1981 Aug;112(4):491-2

The influence of inhibitors of RNA and protein synthesis on dexamethasone action in carrageenin paw edema and adjuvant arthritis of rats. Hirschelmann R, et al. **Agents Actions [Suppl]** 1982;10:233-40

Plasminogen activator production by trophoblast cells in vitro: effect of steroid hormones and protein synthesis inhibitors. Martin O, et al. **Am J Obstet Gynecol** 1982 Feb 15;142(4):402-9

Glucocorticosteroid injection is a circadian zeitgeber in the laboratory rat. Horseman ND, et al. **Am J Physiol** 1982 Sep;243(3):R373-8

Blood flow and ultrastructure in ischemic myocardium of cats given dexamethasone. Spath JA Jr, et al. **Am J Physiol** 1982 Jan;242(1):H55-61

Association between route of inoculation with infectious bovine rhinotracheitis virus and site of recrudescence after dexamethasone treatment. Rossi CR, et al. **Am J Vet Res** 1982 Aug;43(8):1440-2

Stabilization of cholic acid uptake in primary cultures of hepatocytes by dexamethasone and tocopherol. Galivan J. **Arch Biochem Biophys** 1982 Apr 1;214(2):850-2

Correlation between phosphatidylcholine labeling and hormone receptor levels in alveolar type II epithelial cells: effects of dexamethasone and epidermal growth factor. Keller GH, et al. **Arch Biochem Biophys** 1981 Oct 1; 211(1):321-6

Glucocorticoid-stimulated protein degradation in lymphocytes: quantitation by sodium dodecyl sulfate-polyacrylamide gel electrophoresis. Mac Donald RG, et al. **Arch Biochem Biophys** 1981 Dec;212(2):399-410

Protection against cardiac anoxia--role and limitations of increased glycogen reserves in the isolated rat right ventricular strip. Towart R, et al. **Basic Res Cardiol** 1981 Nov-Dec;76(6):639-46

Dexamethasone effect on the growth rate, the plasminogen activator, and the MMTV RNA dependent DNA polymerase in a mouse mammary tumor cell line. Failly-Crépin C, et al. **Biochem Biophys Res Commun** 1981 Sep 16;102(1):22-9

Glucocorticoids down-regulate the number of 1, 25-dihydroxyvitamin D3 receptors in mouse intestine. Hirst M, et al. **Biochem Biophys Res Commun** 1982 Apr 29; 105(4):1590-6

Dexamethasone inhibits a heme-independent event necessary for terminal differentiation of murine erythroleukemia cells. Hugues B, et al. **Biochem Biophys Res Commun** 1981 Oct 30;102(4):1342-9

Glucocorticoid and developmental regulation of uteroglobin synthesis in rabbit lung. Lombardero M, et al. **Biochem J** 1981 Dec 15;200(3):487-94

Evidence for the stimulation of dolichol and mannolipid synthesis by glucocorticoids in HeLa cells. Ramachandran CK, et al. **Biochem J** 1981 Jul 15;198(1):23-8

Glucocorticosteroid suppression of alpha1-fetoprotein synthesis in developing rat liver. Evidence for selective gene repression at the transcriptional level. Bélanger L, et al. **Biochemistry** 1981 Nov 10;20(23):6665-72

Modulation by retinoic acid and corticosteroids of collagenase production by rabbit synovial fibroblasts treated with phorbol myristate acetate or poly(ethylene glycol). Brinckerhoff CE, et al. **Biochim Biophys Acta** 1981 Nov 5;677(3-4):424-32

Glucocorticoids and aspirin inhibit and cyproterone acetate enhances the androgenic response in mouse kidney. Goldstone AD, et al. **Biochim Biophys Acta** 1981 Sep 18; 677(1):133-9

Insulin and dexamethasone effects on liver fructose bisphosphatase. Hansen JB, et al. **Biochim Biophys Acta** 1982 Apr 13;715(2):250-3

The effect of nutritional status and of glucocorticoid treatment on the protein kinase isozyme pattern of liver parenchymal cells. McClung JK, et al. **Biochim Biophys Acta** 1981 Sep 4;676(3):300-6

Glucocorticoid regulation of two serine hydrolases in rat splenic lymphocytes in vitro. MacDonald RG, et al. **Biochim Biophys Acta** 1981 Nov 18;678(1):18-26

Hormonal control of the development of tryptophan oxygenase in primary cultures of young rat hepatocytes. Nakamura T, et al. **Biochim Biophys Acta** 1981 Nov 18; 678(1):91-7

Effect of dexamethasone on lipoprotein lipase activity of fetal rat lung. Mostello DJ, et al. **Biol Neonate** 1981; 40(3-4):121-8

Mechanism of dexamethasone inhibition of chemotactic factor induced granulocyte aggregation. Oseas RS, et al. **Blood** 1982 Feb;59(2):265-9

Granulocytic progenitor cells (CFU-C) in canine blood: mobilization by dexamethasone? Raghavachar A, et al. **Blut** 1982 Feb;44(2):107-10

Induction of abortion in feedlot heifers with a combination of cloprostenol and dexamethasone. Barth AD, et al. **Can Vet J** 1981 Mar;22(3):62-4

Promotive effects of steroids and bile acids on hepatocarcinogenesis initiated by diethylnitrosamine. Cameron RG, et al. **Cancer Res** 1982 Jun;42(6):2426-8

Glucocorticoid receptors and in vitro responses to glucocorticoid in acute nonlymphocytic leukemia. Crabtree GR, et al. **Cancer Res** 1981 Nov;41(11 Pt 2):4853-6

Temporal dynamics of cortisol and dexamethasone prevention of benzo(a)pyrene-induced morphological transformation of Syrian hamster cells. Greiner JW, et al. **Cancer Res** 1982 Oct;42(10):4014-7

Effect of dexamethasone on hexamethylene bisacetamide-induced Friend cell erythrodifferentiation. Osborne HB, et al. **Cancer Res** 1982 Feb;42(2):513-8

Differential effect of dexamethasone on Friend leukemia cells induced to differentiate by hexamethylenebisacetamide or butyric acid. Gambari R. **Cell Biol Int Rep** 1982 Apr; 6(4):341

Glutamine synthetase activity in the developing secondary palate and induction by dexamethasone. Greene RM, et al. **Cell Differ** 1981 Aug;10(4):193-9

Effect of dexamethasone on the neonatal adrenal medulla. Piezzi RS, et al. **Cell Tissue Res** 1981;220(1):213-7

Effect of endotoxin and glucocorticoid pretreatment on hexose monophosphate shunt activity in rat liver. Kuttner RE, et al. **Circ Shock** 1982;9(1):37-45

Protection of functional and structural integrity of the rat myocardium by dexamethasone in hemorrhagic shock. Rubányi G, et al. **Circ Shock** 1981;8(4):491-501

Dexamethasone suppression of adrenocortical function. Sharp AM, et al. **Clin Chem** 1982 Jun;28(6):1333-4

Dexamethasone hypertension in rats. Okuno T, et al. **Clin Exp Hypertens** 1981;3(5):1075-86

Comparison of the inhibition by glucocorticosteroids and cyclosporin A of mitogen-stimulated human lymphocyte proliferation. Gordon D, et al. **Clin Exp Immunol** 1981 May;44(2):287-94

Corticosteroids decrease the expression of beta 2-microglobulin and histocompatibility antigens on human peripheral blood lymphocytes in vitro. Hokland M, et al. **Clin Exp Immunol** 1981 May;44(2):239-46

Studies on ovarian and adrenal studies at different phases of the menstrual cycle. IV. The effect of dexamethasone suppression and subsequent ACTH stimulation at different phases of the menstrual cycle and following the administration of 150 mg of depot-medroxy-progesterone acetate (DMPA). Aedo AR, et al. **Contraception** 1981 Nov; 24(5):543-58

Effect of ethanol, chlorpromazine and dexamethasone on blood-brain barrier dysfunction to albumin around large cerebral stab wounds. Rosengren LE, et al. **Cytobios** 1981; 31(122):81-90

Glucocorticoids act together with estrogens and thyroid hormones in regulating the synthesis and secretion of Xenopus vitellogenin, serum albumin, and fibrinogen. Wangh LJ. **Dev Biol** 1982 Feb;89(2):294-8

Effect of dexamethasone on the synthesis of dipalmitoyl phosphatidylcholine. Das DK, et al. **Dev Pharmacol Ther** 1981;3(1):55-64

The effect of dexamethasone on the kinetics of jejunal zinc uptake and metallothionein synthesis in the rat. Bonewitz RF, et al. **Dev Toxicol Environ Sci** 1982;9:203-14

Immunoprecipitation assay of alpha-fetoprotein synthesis by cultured mouse hepatoma cells treated with estrogens and glucocorticoids. Rosebrock JA, et al. **Differentiation** 1981; 19(3):168-78

Interaction between glucocorticoids and epidermal growth factor in vitro in the growth of palatal mesenchymal cells from the human embryo. Yoneda T, et al. **Differentiation** 1981;19(3):194-8

Induction of cytosolic tyrosine aminotransferase by dexamethasone in organ culture of fetal human liver. Andersson SM. **Early Hum Dev** 1982 Apr;6(2):165-9

Effects of dexamethasone on excretion of urinary kallikrein and urinary protein in Dahl salt-sensitive and salt-resistant rats. McPartland RP, et al. **Endocr Res Commun** 1981; 8(3):145-53

Effect of dexamethasone on pituitary-adrenocortical response to acute irradiation stress in rats. Malatová Z, et al. **Endocrinol Exp (Bratisl)** 1981 Sep;15(3):205-10

The effect of dexamethasone on renal electrolyte excretion in the adrenalectomized rat. Bia JM, et al. **Endocrinology** 1982 Sep;111(3):882-8

Regulation of glucocorticoid receptors by glucocorticoids in cultured HeLa S3 cells. Cidlowski JA, et al. **Endocrinology** 1981 Dec;109(6):1975-82

Glucocorticoid-induced insulin resistance in vitro: evidence for both receptor and postreceptor defects. Grunfeld C, et al. **Endocrinology** 1981 Nov;109(5):1723-30

Influence of dexamethasone on insulin action: inhibition of basal and insulin-stimulated hexose transport is dependent on length of exposure in vitro. Malchoff DM, et al. **Endocrinology** 1982 Jun;110(6):2081-7

Intracellular protease activity in glucocorticoid-mediated thymolysis. Mayer M, et al. **Endocrinology** 1982 Jun; 110(6):2131-7

Inhibition of beta-adrenergic responsiveness in muscle cell cultures by dexamethasone. Smith TJ, et al. **Endocrinology** 1981 Dec;109(6):2110-6

Insulin antagonism of glucocorticoid induction of tyrosine aminotransferase in cultured foetal hepatocytes. Ho KK, et al. **Eur J Biochem** 1981 Aug;118(1):137-42

Induction of metallothionein mRNA in HeLa cells by dexamethasone and by heavy metals. Karin M, et al. **Eur J Biochem** 1981 Sep 1;118(3):527-31

Differential effects of glucocorticosteroids on the functions of subpopulations of helper T lymphocytes. Bradley LM, et al. **Eur J Immunol** 1982 Jan;12(1):91-4

Vasopressin and beta-endorphin release after osmotic and non-osmotic stimuli: effect of naloxone and dexamethasone. Knepel W, et al. **Eur J Pharmacol** 1982 Feb 5;77(4):299-306

Comparison of the anti-inflammatory effects of dexamethasone, indomethacin and BW755C on carrageenin-induced pleurisy in rats. Miyasaka K, et al. **Eur J Pharmacol** 1982 Feb 5;77(4):229-36

Clonal variants of a melanoma cell line sensitive to growth inhibition by dexamethasone. Buzard RL, et al. **Exp Cell Res** 1982 Apr;138(2):385-96

Multiplication of human diploid fibroblasts in a synthetic medium supplemented with EGF, insulin, and dexamethasone. Walthall BJ, et al. **Exp Cell Res** 1981 Aug; 134(2):303-11

In vitro and in vivo regulation of hepatic erythropoiesis by erythropoietin and glucocorticoids in the rat fetus. Billat CL, et al. **Exp Hematol** 1982 Jan;10(1):133-40

Phosphatidylcholine synthesis and glycogen depletion in fetal mouse lung: developmental changes and the effects of dexamethasone. Brehier A, et al. **Exp Lung Res** 1981 Nov; 2(4):273-87

Placental and fetal contraindications of dexamethasone administration to pregnant rats. Garvey D, et al. **Experientia** 1981 Jul 15;37(7):757-9

Stimulation of the activities of phosphatidate phosphohydrolase and tyrosine aminotransferase in rat hepatocytes by glucocorticoids. Jennings RJ, et al. **FEBS Lett** 1981 Oct 12;133(1):119-22

Sperm-agglutinating and -immobilizing antibody formation following vasectomy prevented with dexamethasone in cynomolgus monkeys. Curtis GL, et al. **Fertil Steril** 1982 Jul;38(1):97-9

Prevention of tumor promoter-mediated inhibition of preadipocyte differentiation by dexamethasone. Hiragun A, et al. **Gan** 1981 Dec;72(6):891-7

Production of HBs-antigen by two new human hepatoma cell lines and its enhancement by dexamethasone. Huh N, et al. **Gan** 1981 Feb;72(1):178-9

The effect of dexamethasone on formation of intra and extracellular fibronectin matrix by human endothelial cells in culture. Piovella F, et al. **Haematologica (Pavia)** 1982 Feb;67(1):58-63

Transient effect of glucocorticoids on red blood cell insulin receptors. Pirro RDe, et al. **Horm Metab Res** 1981 Sep; 13(9):483-6

Connective tissue activation in guinea pig lung fibroblast cultures: regulatory effects of glucocorticoids. Seidman JC, et al. **In Vitro** 1981 Feb;17(2):133-8

Effect of dexamethasone on bactericidal activity of human neutrophils in vitro. Sareen PM, et al. **Indian J Physiol Pharmacol** 1981 Apr-Jun;25(2):180-3

Effects of in vivo dexamethasone administration on in vitro bovine polymorphonuclear leukocyte function. Roth JA, et al. **Infect Immun** 1981 Aug;33(2):434-41

Effects of castration, sex steroids, LHRH and glucocorticoids on LHRH binding in the anterior pituitary of male rats. Naess O, et al. **Int J Androl** 1981 Dec;4(6):685-90

Dynamic changes in the organophosphate profile upon treatment of the crystalline lens with dexamethasone. Greiner JV, et al. **Invest Ophthalmol Vis Sci** 1982 Jul; 23(1):14-22

Detection of glucocorticoid receptors in cultured human trabecular cells. Weinreb RN, et al. **Invest Ophthalmol Vis Sci** 1981 Sep;21(3):403-7

Effects of dexamethasone on pancreatic tissue and on serum amylase and lipase activities in dogs. Parent J. **J Am Vet Med Assoc** 1982 Apr 1;180(7):743-6

Number of neurons and dexamethasone-induced SIF cells in developing sympathetic ganglia and in intraocular ganglion transplants. Päivärinta H, et al. **J Auton Nerv Syst** 1982 Mar;5(2):219-36

Effects of phenobarbital, beta-naphthoflavone, dexamethasone, and formamidoxime on the turnover of inducible microsomal proteins in cultured hepatocytes. Althaus FR, et al. **J Biol Chem** 1981 Dec 25; 256(24):13079-84

The dexamethasone-induced inhibitor of fibrinolytic activity in hepatoma cells. A cellular product which specifically inhibits plasminogen activation. Coleman PL, et al. **J Biol Chem** 1982 Apr 25;257(8):4260-4

Regulation of glucocorticoids of arginase and argininosuccinate synthetase in cultured rat hepatoma cells. Haggerty DF, et al. **J Biol Chem** 1982 Mar 10; 257(5):2246-53

Induction of glucose-6-phosphate dehydrogenase in primary cultures of adult rat hepatocytes. Requirement for insulin and dexamethasone. Kurtz JW, et al. **J Biol Chem** 1981 Nov 10;256(21):10870-5

Dexamethasone regulates the beta-adrenergic receptor subtype expressed by 3T3 L1 preadipocytes and adipocytes. Lai E, et al. **J Biol Chem** 1982 Jun 25;257(12):6691-6

Induction of urea cycle enzymes by glucagon and dexamethasone in monolayer cultures of adult rat hepatocytes. Lin RC, et al. **J Biol Chem** 1982 May 10; 257(9):5061-7

Glucocorticoid regulation of the mouse metallothionein I gene is selectively lost following amplification of the gene. Mayo KE, et al. **J Biol Chem** 1982 Mar 25;257(6):3061-7

The effect of dexamethasone on the initiation of beta-globin gene transcription in differentiating Friend cells. Mierendorf RC Jr, et al. **J Biol Chem** 1982 Apr 25;

257(8):4496–500
Glucocorticoid-induced proteins in rat thymus cells. Voris BP, et al. **J Biol Chem** 1981 Nov 10;256(21):11319–29
Regulation of malic enzyme and mitochondrial alpha-glycerophosphate dehydrogenase by thyroid hormones, insulin, and glucocorticoids in cultured hepatocytes. Wilson EJ, et al. **J Biol Chem** 1981 Nov 25; 256(22):11657–62
Inhibition of synthesis of alpha-fetoprotein by glucocorticoids in cultured hepatoma cells. Chou JY, et al. **J Cell Biol** 1982 May;93(2):314–7
Cell cycle-specific glucocorticoid growth regulation of a human cell line (NHIK 3025). Bakke O, et al. **J Cell Physiol** 1981 Dec;109(3):489–96
Glutamine synthetase induction by glucocorticoids in the glucocorticoid-sensitive human leukemic cell line CEM-C7. Harmon JM, et al. **J Cell Physiol** 1982 Feb; 110(2):155–60
Effects of hormones and amino acid depletion on the kinetic parameters of amino acid uptake in monolayer cultures of rat hepatocytes. Kelley DS, et al. **J Cell Physiol** 1982 Jul; 112(1):67–75
Glucagon and choleragen stimulation of glycogenolysis in primary cultures of adult rat liver parenchymal cells: lack of involvement of the glucocorticoids. Kletzien RF, et al. **J Cell Physiol** 1982 Mar;110(3):304–10
Effect of dexamethasone, ammonium ions, and serum-deprivation on intracellular proteolysis in cultured muscle cells. Mayer M, et al. **J Cell Physiol** 1981 Dec; 109(3):525–33
Hormonal and nutritional factors influencing glycogen deposition in primary cultures of rat liver parenchymal cells. Weber CA, et al. **J Cell Physiol** 1982 Mar; 110(3):300–3
Effects of steroids and different culture media on cell cycle of the androgen-sensitive human cell line NHIK3025. Ostgaard K, et al. **J Cell Sci** 1981 Apr;48:281–90
Effects of dexamethasone on antigen expression and virus production in avian sarcoma virus-transformed cells. Wainberg MA, et al. **J Cell Sci** 1982 Jun;55:287–99
Dexamethasone-induced change in the sphingomyelin content of human polymorphonuclear leukocytes in vitro. Nelson DH, et al. **J Clin Endocrinol Metab** 1982 Feb; 54(2):292–5
Glucocorticoid suppression of pituitary prolactin release in the nonhuman primate. Steger RW, et al. **J Clin Endocrinol Metab** 1981 Dec;53(6):1167–70
An increase of plasma triiodothyronine and thyroxine after administration of dexamethasone to hypothyroid patients with Hashimoto's thyroiditis. Yamada T, et al. **J Clin Endocrinol Metab** 1978 May;46(5):784–90
Glucocorticoid and mineralocorticoid effects on adrenocorticotropin and beta-endorphin in the adrenalectomized rat. Lim AT, et al. **J Clin Invest** 1982 May;69(5):1191–8
Lack of effect of dexamethasone on the in vivo parathyroid hormone mediated generation of adenosine 3',5'-cyclic monophosphate in rat kidneys. Salti IS, et al. **J Endocrinol Invest** 1981 Apr-Jun;4(2):189–92
Dihydrotestosterone and estradiol deplete corticosensitive thymocytes lacking in receptors for these hormones. Barr IG, et al. **J Immunol** 1982 Jun;128(6):2825–8
Prevention of the in vitro myelosuppressive effects of glucocorticosteroids by interleukin 1 (IL 1). Mishell RI, et al. **J Immunol** 1982 Apr;128(4):1614–9
Effects of adrenalectomy and dexamethasone on hepatic lipid metabolism. Cole TG, et al. **J Lipid Res** 1982 Jan; 23(1):81–91
Effects of hypophysectomy and dexamethasone administration on central and peripheral S-adenosylmethionine levels. Wong DL, et al. **J Neurosci** 1982 Jun;2(6):758–64
Experimental cerebral 'no-reflow phenomenon'. Cerisoli M, et al. **J Neurosurg Sci** 1981 Jan-Mar;25(1):7–12
Calcium metabolism in glucocorticoid-treated pony foals. Glade MJ, et al. **J Nutr** 1982 Jan;112(1):77–86
Development of polyamine and biogenic amine systems in brains and hearts of neonatal rats given dexamethasone: role of biochemical alterations in cellular maturation for producing deficits in ontogeny of neurotransmitter levels, uptake, storage and turnover. Slotkin TA, et al. **J Pharmacol Exp Ther** 1982 Jun;221(3):686–93
Lack of correlation between the glucocorticoid receptor density and the in vitro growth-inhibitory effect of dexamethasone in human leukemia cell lines. Paavonen T, et al. **J Recept Res** 1980;1(3):459–72
Plasma LH and testosterone responses to synthetic gonadotrophin-releasing hormone (GnRH) or dexamethasone-GnRH combined treatment and their relationship to semen output in bulls. Abdel Malak G, et al. **J Reprod Fertil** 1982 Jan;64(1):107–13
Glucocorticoids and melanoma: receptor properties of dexamethasone sensitive and resistant tumors. Hawkins EF, et al. **J Steroid Biochem** 1982 May;16(5):673–81
Identification of transformed glucocorticoid receptor from dexamethasone resistant melanoma. Hutchens TW, et al. **J Steroid Biochem** 1982 Jun;16(6):705–11
Characterization of a new type of thymoma variants supersensitive to dexamethasone. Mermod JJ, et al. **J Steroid Biochem** 1981 Dec;15:25–34
Effect of 25-hydroxycholesterol and dexamethasone on sterol synthesis in isolated mouse thymocytes. Picard F, et al. **J Steroid Biochem** 1981 Dec;15:461–6
Effect of dexamethasone on non-esterified fatty acid metabolism in isolated mouse thymocytes. Seillan C, et al. **J Steroid Biochem** 1981 Sep;14(9):829–33
Dexamethasone in cattle: pharmacokinetics and action on the adrenal gland. Toutain PL, et al. **J Vet Pharmacol Ther** 1982 Mar;5(1):33–43
Dexamethasone induction of the intracellular RNAs of mouse mammary tumor virus. Robertson DL, et al. **J Virol** 1981 Dec;40(3):673–82
Effects of dexamethasone on renal and systemic acid-base metabolism. Hulter HN, et al. **Kidney Int** 1981 Jul; 20(1):43–9
Effect of age on myofibrillar protease activity and muscle binding of glucocorticoid hormones in the rat. Mayer M, et al. **Mech Ageing Dev** 1981 Sep;17(1):1–10
Effect of dexamethasone on the isozyme pattern of adult rat liver parenchymal cells in primary cultures. Feliu JE, et al. **Mol Cell Biochem** 1982 Jun 11;45(2):73–81
Effects of dexamethasone and cortisone with x-ray irradiation on transformation of C3H 10T 1/2 cells. Kennedy AR, et al. **Nature** 1981 Nov 5;294(5836):97–8
Effects of dexamethasone on fibre subtypes in rat muscle. Livingstone I, et al. **Neuropathol Appl Neurobiol** 1981 Sep-Oct;7(5):381–98
Hormonal modulation of alpha-fetoprotein gene expression in newborn rat livers. Chiu JF, et al. **Nucleic Acids Res** 1981 Dec 21;9(24):6917–33
Enhancement of stress-induced analgesia in adrenalectomized mice: its reversal by dexamethasone. Marek P, et al. **Pharmacol Biochem Behav** 1982 Mar; 16(3):403–5
Paradoxical effects of glucocorticoids on regulation of plasminogen activator activity of rat hepatoma cells. Barouski-Miller PA, et al. **Proc Natl Acad Sci USA** 1982 Apr;79(7):2319–22
Rapid clonal growth and serial passage of human diploid fibroblasts in a lipid-enriched synthetic medium supplemented with epidermal growth factor, insulin, and dexamethasone. Bettger WJ, et al. **Proc Natl Acad Sci USA** 1981 Sep;78(9):5588–92
Selection of rat hepatoma cells defective in hormone-regulated production of mouse mammary tumor virus RNA. Grove JR, et al. **Proc Natl Acad Sci USA** 1981 Jul;78(7):4349–53
Glucocorticoid-mediated inhibition of ornithine decarboxylyase activity in S49 lymphoma cells. Insel PA, et al. **Proc Natl Acad Sci USA** 1981 Sep;78(9):5669–72
Control of insulin receptor level in 3T3 cells: effect of insulin-induced down-regulation and dexamethasone-induced up-regulation on rate of receptor inactivation. Knutson VP, et al. **Proc Natl Acad Sci USA** 1982 May;79(9):2822–6
Rapid glucocorticoid inhibition of vasoactive intestinal peptide-induced cyclic AMP accumulation and prolactin release in rat pituitary cells in culture. Rotsztejn WH, et al. **Proc Natl Acad Sci USA** 1981 Dec;78(12):7584–8
Estrogen formation in stromal cells of adipose tissue of women: induction by glucocorticosteroids. Simpson ER, et al. **Proc Natl Acad Sci USA** 1981 Sep;78(9):5690–4
Content and release of neurotensin in PC12 pheochromocytoma cell cultures: modulation by dexamethasone and nerve growth factor. Tischler AS, et al. **Regul Pept** 1982 May;3(5-6):415–21
The effects of dexamethasone in vitro on the production of collagenase and inhibitor by synovial and cartilage explants from the joints of rabbits with a proliferative arthritis. Cambray GJ, et al. **Rheumatol Int** 1981;1(2):69–72
Phenytoin-dexamethasone interaction: a previously unreported observation. Lawson LA, et al. **Surg Neurol** 1981 Jul;16(1):23–4
ACTH content in the anterior pituitary after the infusion of various doses of corticosterone and dexamethasone in normal and adrenalectomized rats. Sakakura M, et al. **Tohoku J Exp Med** 1982 Jun;137(2):191–8
The pathomorphology of developing skeletal muscles of rabbits treated with glucocorticoids. Jirmanová I, et al. **Virchows Arch [Cell Pathol]** 1982;38(3):323–35
[Plasma androgens and testosterone binding globulin levels in hirsute women. Effects of dexamethasone and oestrogen-progestagen administration (author's transl)] Pugeat M, et al. **Nouv Presse Med** 1982 Jan 16;11(2):105–9 (Eng. Abstr.) **(Fre)**
[Various aspects of the regulation of aldosterone secretion] Jungmann E, et al. **Med Klin [Prax]** 1982 Apr 9;77(8):58–63 (Eng. Abstr.) **(Ger)**
[The effects of dexamethasone and captopril on plasma aldosterone response to exogenous angiotensin II in normal men (author's transl)] Mizuno K, et al. **Nippon Naibunpi Gakkai Zasshi** 1981 Aug 20;57(8):1109–17 (Eng. Abstr.) **(Jpn)**
[Pharmacological studies on prescription containing bupleuri radix. (III). Effects of Sairei-Toh on anti-inflammatory action of glucocorticoid (author's transl)] Abe H, et al. **Nippon Yakurigaku Zasshi** 1981 Nov;78(5):465–70 (Eng. Abstr.) **(Jpn)**
[Involvement of glucocorticoid and epidermal growth factor in the development of palate in human embryo (author's transl)] Yoneda T. **Tanpakushitsu Kakusan Koso** 1981 Jun; 26(7):928–36 (36 ref.) **(Jpn)**
[Binding of glucocorticoid-receptor complexes with the acceptor zones of nuclei and effect of glucocorticoids on RNA synthesis in hormone-sensitive and hormone-resistant cell populations] Krasil'nikov MA, et al. **Biokhimiia** 1982 Feb;47(2):206–15 (Eng. Abstr.) **(Rus)**
[Effect of glucocorticoids on the fractional composition and derivatives of hemoglobin in rats] Nezhentsev MV, et al. **Biull Eksp Biol Med** 1981 Nov;92(11):569–71 (Eng. Abstr.) **(Rus)**
[Changes in the detectability of HLA antigens on lymphocyte subpopulations induced by mitogens and corticosteroids] Volgin AIu, et al. **Biull Eksp Biol Med** 1982 Jan;93(1):45–7 (Eng. Abstr.) **(Rus)**

THERAPEUTIC USE

Dexamethasone suppressible hyperaldosteronism in a child with nephrosclerosis. Lee SM, et al. **Acta Endocrinol (Copenh)** 1982 Feb;99(2):251–5
Effects of using dexamethasone and placebo in the treatment of prolapsed lumbar disc. Hedeboe J, et al. **Acta Neurol Scand** 1982 Jan;65(1):6–10
Effects of an anticholinergic and a corticosteroid on acute pancreatitis in experimental dogs. Attix E, et al. **Am J Vet Res** 1981 Oct;42(10):1668–74
Effects of dexamethasone on endotoxin shock in the anesthetized pony: hematologic, blood gas, and coagulation changes. Frauenfelder HC, et al. **Am J Vet Res** 1982 Mar; 43(3):405–11
Experimental hyaline membrane disease in the premature monkey: effects of antenatal dexamethasone. Kessler DL, et al. **Am Rev Respir Dis** 1982 Jul;126(1):62–9
Restoring cardiac effectiveness with methylprednisolone [letter] Gordon BD. **Ann Emerg Med** 1982 Jun;11(6):335
A biochemical study of the cotton pellet granuloma in the rat. Effects of dexamethasone and indomethacin. Bailey PJ, et al. **Biochem Pharmacol** 1982 Apr 1;31(7):1213–8
Effect of dexamethasone on amniotic fluid absorbance in Rh-sensitized pregnancy. Navot D, et al. **Br J Obstet Gynaecol** 1982 Jun;89(6):456–8
Anti-inflammatory effects of betamethasone phosphate, dexamethasone phosphate and indomethacin on rabbit ocular inflammation induced by bovine serum albumin. Kulkarni PS, et al. **Curr Eye Res** 1981;1(1):43–7
Effect of selected intravitreal drugs after severe penetrating injury in rabbits. Meyers SM, et al. **Curr Eye Res** 1981; 1(8):471–7
Effect of drugs on the pulmonary changes in experimental acute pancreatitis in the rat. Berry AR, et al. **Gut** 1982 Jun;23(6):481–4
Controlled trial of dexamethasone and mannitol for the cerebral oedema of fulminant hepatic failure. Canalese J, et al. **Gut** 1982 Jul;23(7):625–9
Dexamethasone-suppressible hypercorticosteronism in two 46,XX subjects with ambiguous genitalia and ovarian cysts. Partial defect of 17 alpha-hydroxylase or 17-20-desmolase. Roger M, et al. **Horm Res** 1982 Jan-Feb;16(1):23–31
Topical cortico-steroid in herpetic keratitis. Mukherjee G, et al. **Indian J Ophthalmol** 1981 OCT;29(3):247–9
A possible role of arachidonate metabolism in allergic air pouch inflammation in rats. Anti-inflammatory effect of indomethacin and dexamethasone and the level of prostaglandin E2 in the exudate. Ohuchi K, et al. **Int Arch Allergy Appl Immunol** 1982;68(4):326–31
High dose misonidazole with dexamethasone rescue: a possible approach to circumvent neurotoxicity. Urtasun RC, et al. **Int J Radiat Oncol Biol Phys** 1982 Mar-Apr; 8(3-4):365–9
Treatment of menstrual irregularities with dexamethasone in congenital adrenal hyperplasia. Granoff AB. **J Adolesc Health Care** 1981 Sep;2(1):23–7
Gastrointestinal hemorrhage and pancreatitis associated with intervertebral disk diseases in the dog. Moore RW, et al. **J Am Vet Med Assoc** 1982 Jun 15;180(12):1443–7
Genetic and pathophysiologic studies of a new kindred with glucocorticoid-suppressible hyperaldosteronism manifest in three generations. Ganguly A, et al. **J Clin Endocrinol Metab** 1981 Nov;53(5):1040–6
Long term effects of nightly dexamethasone administration in patients with polycystic ovarian disease. Lachelin GC, et al. **J Clin Endocrinol Metab** 1982 Oct;55(4):768–73
Effect of dexamethasone treatment on peritumoral brain edema: evaluation by computed tomography. Hatam A, et al. **J Comput Assist Tomogr** 1982 Jun;6(3):586–92
Association between persistence of pneumococcal meningitis and dexamethasone administration. Brady MT, et al. **J Pediatr** 1981 Dec;99(6):924–6
The interaction of corticosteroids and naloxone in canine hemorrhagic shock. Vargish T, et al. **J Surg Res** 1982 Mar; 32(3):289–95
From the NIH: Dexamethasone and the incidence of neonatal respiratory distress syndrome. **JAMA** 1981 Nov 6; 246(18):2026
Corticosteroid therapy of experimental tumour oedema. Matsuoka Y, et al. **Neurosurg Rev** 1981;4(4):185–90
Conservative treatment of benign traumatic intracerebellar hematoma [letter] Koenig GH. **Neurosurgery** 1982 Feb; 10(2):296
Dexamethasone for respiratory distress syndrome [letter] Schutte MF, et al. **Obstet Gynecol** 1981 Oct;58(4):533–4
Anti-inflammatory action of dexamethasone in vitrectomy infusion fluid. Raichand M, et al. **Ophthalmic Surg** 1982 Jun;13(6):493–8
Dexamethasone in cerebral malaria [letter] Markus MB. **S Afr Med J** 1982 Apr 17;61(16):573

Effects of dexamethason on the early postoperative course after coronary artery bypass surgery. Miranda DR, et al. **Thorac Cardiovasc Surg** 1982 Feb;30(1):21–7

Corticosteroid treatment of pannus in a German shepherd. Quinn A. **VM SAC** 1982 Jan;77(1):81–4

[The treatment of certain cases of sterility of infertility associated with an abnormal rise in urinary 17–ketosteroids by using cortisone derivatives (author's transl)] Colette C, et al. **J Gynecol Obstet Biol Reprod (Paris)** 1981;10(2):163–9 (Eng. Abstr.) **(Fre)**

[Regional cerebral blood flow in the baboon during ischaemic cerebral infarction under dexamethasone treatment (author's transl)] Hartmann A, et al. **Fortschr Neurol Psychiatr** 1981 Oct;49(10):380–92 (Eng. Abstr.) **(Ger)**

[Is there drug alternative in the treatment of massive periretinal proliferation? (author's transl)] Binder S. **Klin Monatsbl Augenheilkd** 1981 Dec;179(6):483–5 (Eng. Abstr.) **(Ger)**

[Baycuten and baycuten SD. Effect and tolerance] Polkowska M, et al. **Med Welt** 1982 Apr 8;33(14):525–9 **(Ger)**

[Amniotic fluid testing – importance to prophylaxis against idiopathic respiratory distress syndrome (author's transl)] Prievara F, et al. **Zentralbl Gynakol** 1981;103(23):1463–6 (Eng. Abstr.) **(Ger)**

[Diagnostic and therapeutic use of dexamethasone suppression in some cases of hirsutism with elevated plasma testosterone (author's transl)] Zanno C, et al. **Ann Osp Maria Vittoria Torino** 1980 Jul–Dec; 23(7–12):428–34 (Eng. Abstr.) **(Ita)**

[Adrenogenital syndrome and pregnancy] Furbatto G. **Minerva Ginecol** 1981 Sep;33(9):757–60 **(Ita)**

[Intravenous aminophylline and dexamethasone in the acute emergency for asthmatic children (author's transl)] Barbato A, et al. **Pediatr Med Chir** 1981 Mar–Jun;3(2–3):165–6 (Eng. Abstr.) **(Ita)**

[A study on the control of blood levels of histamine by intravenous administration of steroids and synthetic ACTH in patients with bronchial asthma (author's transl)] Matsui M. **Arerugi** 1982 Mar;31(3):141–50 (Eng. Abstr.) **(Jpn)**

[Effects of reduced glutathione and dexamethasone in endotoxin shock (author's transl)] Ebata T, et al. **Masui** 1981 Aug;30(8):832–6 (Eng. Abstr.) **(Jpn)**

[An experimental study on cerebral edema in acute phase of cerebral hemorrhage and dexamethasone treatment (author's transl)] Hiki H. **Nippon Ika Daigaku Zasshi** 1982 Apr;49(2):171–8 (Eng. Abstr.) **(Jpn)**

[A case of glucocorticoid responsive aldosteronism (author's transl)] Suzuki S, et al. **Nippon Naika Gakkai Zasshi** 1981 Oct 10;70(10):1432–7 **(Jpn)**

[Glucocorticoid therapy of nephritis and the problem of drug resistance] Mukhin NA, et al. **Ter Arkh** 1981;53(6):34–7 (Eng. Abstr.) **(Rus)**

TOXICITY

In vivo assessment of immunotoxicity. Munson AE, et al. **Environ Health Perspect** 1982 Feb;43:41–52

DEXAMETHASONE ISONICOTINATE see under **DEXAMETHASONE**

DEXETIMIDE see under **PIPERIDINES**

DEXPROPRANOLOL see **PROPRANOLOL**

DEXTRAN–IRON COMPLEX see **IRON–DEXTRAN COMPLEX**

DEXTRANASE

ANTAGONISTS & INHIBITORS

An endodextranase inhibitor from batch cultures of streptococcus mutans. Hamelik RM, et al. **Biochem Biophys Res Commun** 1982 Jun 15;106(3):875–80

(Poly–)anionic inhibition of B. subtilis alpha–amylase & bacterial dextranase: kinetic & fluorescence studies. Ramesh V, et al. **Indian J Biochem Biophys** 1982 Feb;19(1):17–20

BIOSYNTHESIS

Metabolism of the polysaccharides of human dental plaque: release of dextranase in batch cultures of Streptococcus mutans. Walker GJ, et al. **J Gen Microbiol** 1981 Nov;127, pt 1:201–8

METABOLISM

A comparative study of extracellular glucanhydrolase and glucosyltransferase enzyme activities of five different serotypes of oral Streptococcus mutans. Felgenhauer B, et al. **Arch Oral Biol** 1982;27(6):455–61

PHARMACODYNAMICS

Induction and persistence of B–cell tolerance to the thymus–dependent component of the alpha(1 leads to 6) glucosyl determinant of dextran. Recovery induced by treatment with dextranase in vivo. Moreno C, et al. **Immunology** 1981 Nov;44(3):517–27

DEXTRANS

Procedures for the analysis of cyanogen bromide–activated Sepharose or Sephadex by quantitative determination of cyanate esters and imidocarbonates. Kohn J, et al. **Anal Biochem** 1981 Aug;115(2):375–82

Prolonged local analgesia for inguinal herniorrhaphy with bupivacaine and dextran. Simpson PJ, et al. **Ann R Coll Surg Engl** 1982 Jul;64(4):243–6

Characterization of collagenous meshworks by volume exclusion of dextrans. Bert JL, et al. **Biochem J** 1980 Dec 1;191(3):761–8

Oxygen–binding and immunological properties of complexes between dextran and animal haemoglobins. Cunnington PG, et al. **Biochem J** 1981 Jan 1;193(1):261–6

Quantitation of surface affinities of red blood cells in dextran solutions and plasma. Buxbaum K, et al. **Biochemistry** 1982 Jun 22;21(13):3235–9

A variant of the dextran–binding mouse plasmacytoma J558 with altered glycosylation of its heavy chain and decreased reactivity with polymeric dextran. Matsuuchi L, et al. **Biochemistry** 1981 Aug 18;20(17):4827–35

Ion displacement following the adsorption of anionic macromolecules on hydroxyapatite. Pearce EI. **Calcif Tissue Int** 1981;33(4):395–402

Preparation and oxygen binding properties of soluble covalent hemoglobin–dextran conjugates. Bonneaux F, et al. **Experientia** 1981;37(8):884–6

The electron microscopy of fluorescent dextrans (FITC–dextrans) in thin sections of tissue. Thorball N. **Experientia** 1982 Jul 15;38(7):876–8

DE–52 and DE–53 cellulose microcarriers. I. Growth of primary and established anchorage–dependent cells. Reuveny S, et al. **In Vitro** 1982 Feb;18(2):92–8

Molecular shape and effective diffusion radius [letter] Refojo MF. **Invest Ophthalmol Vis Sci** 1982 Jan;22(1):129–30

Effect of dextran–coated charcoal on radioimmunoassays of unconjugated estriol in serum. Jawad MJ, et al. **J Steroid Biochem** 1982 Jun;16(6):797–800

Role of antigen size and charge in immune complex glomerulonephritis. Isaacs KL, et al. **Lab Invest** 1982 Aug; 47(2):198–205

Partial splenic embolization using polyvinyl alcohol foam, dextran, polystyrene, or silicone. An experimental study in dogs. Wright KC, et al. **Radiology** 1982 Feb;142(2):351–4

[Interactions between Diphtheria toxin and dextran blue] Khavkin IuA, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1981;(8):63–6 (Eng. Abstr.) **(Rus)**

ADMINISTRATION & DOSAGE

Combined therapy of experimental endotoxin shock in monkeys. Trčka V, et al. **Acta Univ Carol [Med] (Praha)** 1980;26(3–4):141–60

Treatment of artificially induced storage disease with lysosomotropic microparticles. Edman P, et al. **Life Sci** 1982 Jan 25;30(4):327–30

[Postradiotherapy perineal necrosis after abdomino–perineal amputation. Treatment with polyethylene glycol dextranomer] Alexandre JH, et al. **Med Chir Dig** 1981; 10(5):431 **(Fre)**

[Experiences within the framework of the Austrian interclinical Promit study] Watzek C, et al. **Beitr Infusionther Klinis Ernahr** 1981;8:91–7 **(Ger)**

[Experiences in therapy of acute labyrinthine deafness with low–molecular dextran, pentoxifyllin and nicotinic acid (author's transl)] Wissen I, et al. **Laryngol Rhinol Otol (Stuttg)** 1981 Jul;60(7):361–3 (Eng. Abstr.) **(Ger)**

[Dextranomer for chronic suppurative leg ulcers] Yeschua R, et al. **Harefuah** 1981 Apr 1;100(7):323–4 (Eng. Abstr.) **(Heb)**

[Effect of bloodletting and bloodletting combined with the use of low–molecular dextran on the dynamics of left ventricular contraction in chronic cor pulmonale] Cholewa M, et al. **Pneumonol Pol** 1981 Nov;49(11):775–81 (Eng. Abstr.) **(Pol)**

[Administration of rheopolyglucine and hemodes for correction of circulatory disorders in surgical lung diseases] Dubova MN, et al. **Grudn Khir** 1981;(6):53–8 (Eng. Abstr.) **(Rus)**

ADVERSE EFFECTS

Effect of serotonin antagonists on the dextran–induced anaphylactoid reaction in the rat. Berstad J. **Acta Pharmacol Toxicol (Copenh)** 1981 May;48(5):438–43

Incidence, pathomechanism and prevention of dextran–induced anaphylactoid / anaphylactic reactions in man. Hedin H, et al. **Dev Biol Stand** 1980;48:179–89

[Anaphylactoid reaction in rats after administration of dextran and hydroxyethyl starch manufactured in Czechoslovakia (author's transl)] Skala E, et al. **Cas Lek Cesk** 1980 Oct 10;119(40–41):1098–100 (Eng. Abstr.) **(Cze)**

[Prevention of dextrane–induced anaphylactoid reactions (letter)] Lawin P. **Dtsch Med Wochenschr** 1982 Jan 22; 107(3):113–4 **(Ger)**

[Thromboembolism prophylaxis in general surgery. Comparative study of complications from acetylsalicylic acid, heparin as well as the combination of acetylsalicylic acid with heparin and dextran] Hocke FM, et al. **Med Welt** 1981 Oct 16;32(42):1582–3 **(Ger)**

[1st direct comparison of allergic side effects of dextran with and without hapten] Gruber UF, et al. **Schweiz Med Wochenschr** 1982 Apr 24;112(17):605–12 (Eng. Abstr.) **(Ger)**

BLOOD

[Effect of dextrans, amino acids, lipids, bilirubin, hemoglobin, penicillin, heparin and EDTA on the determination of total protein by biuret reaction] Pöge AW, et al. **Z Med Lab Diagn** 1982 Jan;23(1):43–8 (Eng. Abstr.) **(Ger)**

DIAGNOSTIC USE

Comparison of fluid hysteroscopy and CO2 hysteroscopy. Seki M, et al. **Endoscopy** 1982 Jul;14(4):141–5

Tc–99m dextran: a new blood–pool–labeling agent for radionuclide angiocardiography. Henze E, et al. **J Nucl Med** 1982 Apr;23(4):348–53

Penicilloyl–dextran conjugates as reagents for skin testing in penicillin allergy. Cîrstea M, et al. **Physiologie** 1981 Oct–Dec;18(4):241–5

[Left ventricular performance in chronic hemodialysis patients studied during intense exercise and during a dextran infusion test (author's transl)] Dongradi G, et al. **Nephrologie** 1981;2(2):73–6 (Eng. Abstr.) **(Fre)**

[Measurement of cardiac output by dilution of a plasma–substitute indicator] Dvoretskiĭ DP, et al. **Fiziol Zh SSSR** 1982 Mar;68(3):429–32 **(Rus)**

GENETICS

Genetics of the alpha 1,6–dextran response: expression of the QUPC52 idiotype in different inbred and congenic strains of mice. D'Hoostelaere L, et al. **J Immunol** 1982 Jan; 128(1):492–7

IMMUNOLOGY

Immune response against the T–independent antigen alpha (1 leads to 3) dextran. I. Demonstration of an unexpected IgG response of athymic and germ–free–raised euthymic BALB/c mice. Schuler W, et al. **Eur J Immunol** 1982 Feb; 12(2):120–5

Comparison between human IgM and IgG antibodies to dextran, regarding their activities in antibody–dependent cellular cytotoxicity (ADCC). Rumpold H, et al. **Immunobiology** 1981;159(4–5):321–6

Induction and persistence of B–cell tolerance to the thymus–dependent component of the alpha(1 leads to 6) glucosyl determinant of dextran. Recovery induced by treatment with dextranase in vivo. Moreno C, et al. **Immunology** 1981 Nov;44(3):517–27

Dextran–reactive antibodies in healthy infants and toddlers—relation to type of feeding. Björkstén B, et al. **Int Arch Allergy Appl Immunol** 1982;69(2):174–8

Delayed hypersensitivity reactions in rats and their response to clinical dextran. de Brito FB, et al. **Int Arch Allergy Appl Immunol** 1982;69(2):109–12

Pathomechanisms of dextran–induced anaphylactoid/anaphylactic reactions in man. Hedin H, et al. **Int Arch Allergy Appl Immunol** 1982;68(2):122–6

Immunochemical studies on dextrans. Cross–reaction of synthetic linear dextrans with rabbit anti–N4 dextran. Torii M, et al. **J Biochem (Tokyo)** 1981 Mar;89(3):823–9

A cross–reactive idiotype, QUPC52 IdX, present on most but not all anti–alpha (1 replaced by 6) dextran–specific IgM and IgA hybridoma antibodies with combining sites of different sizes. Sharon J, et al. **J Immunol** 1982 Jan; 128(1):498–500

The immune response to an isomaltohexosyl–protein conjugate, a thymus–dependent analogue of alpha(1 replaced by 6) dextran. Stein KE, et al. **J Immunol** 1982 Mar;128(3):1350–4

An epitopic structure of dextran B–1355. Torii M, et al. **Microbiol Immunol** 1981;25(9):969–73

Studies on mouse hybridomas secreting IgM or IgA antibodies to alpha(1 to 6)–linked dextran. Sharon J, et al. **Mol Immunol** 1981 Sep;18(9):831–46

Association constants of hybridoma antibodies specific for alpha (1 leads to 6) linked dextran determined by affinity electrophoresis. Sharon J, et al. **Mol Immunol** 1982 Mar; 19(3):389–97

Immunochemical characterization of binding sites of hybridoma antibodies specific for alpha (1 leads to 6) linked dextran. Sharon J, et al. **Mol Immunol** 1982 Mar; 19(3):375–88

V and C genes in creating antibodies directed to alpha (1 replaced by 3)–linked D–glucosyls in dextran. III. Frequency of alpha (1 replaced by 3)–responsive, primary B precursors in a1 high– and b low–receptor allogroups. Bell C. **Scand J Immunol** 1982;15(1):71–80

[Anaphylactoid reactions after dextran II. Experimental studies in animals on the principle of hapten inhibition] Messmer K, et al. **Beitr Infusionther Klinis Ernahr** 1981; 8:66–81 **(Ger)**

[Anaphylactoid reactions after dextran. I. Immunology of the pathomechanism and the hapten inhibition] Richter W, et al. **Beitr Infusionther Klinis Ernahr** 1981;8:54–65 (36 ref.) **(Ger)**

[Structure and antigenic specificity of dextrans (author's transl)] Torii M. **Seikagaku** 1981 Dec 25;53(12):1294–8 (28

ref.) (Jpn)

METABOLISM

Effect of volume expansion on tubular reabsorption of protein by normal and nephrotic rats. Zatz R, et al. **Braz J Med Biol Res** 1981 Apr;14(1):51–9

Adenosine deaminase covalently linked to soluble dextran. The effect of immobilization on thermodynamic and kinetic parameters. Rosemeyer H, et al. **Eur J Biochem** 1982 Feb; 122(2):375–80

Autophagy of metabolically inert substances injected into fibroblasts in culture. Hendil KB. **Exp Cell Res** 1981 Sep; 135(1):157–66

Rectal absorption of dextran in rats in the presence of salicylates. West GB. **Int Arch Allergy Appl Immunol** 1982; 68(3):283–5

Pharmacokinetics of low molecular (monovalent) dextran (Dx 1) in volunteers. Schwarz JA, et al. **Int J Clin Pharmacol Ther Toxicol** 1981 Aug;19(8):358–67

Glomerular permeability to neutral and anionic dextrans in experimental diabetes. Michels LD, et al. **Kidney Int** 1982 May;21(5):699–705

Treatment of artificially induced storage disease with lysosomotropic microparticles. Edman P, et al. **Life Sci** 1982 Jan 25;30(4):327–30

Dextran is resistant to lysosomal digestion in kidney tubules. Christensen EI, et al. **Virchows Arch [Cell Pathol]** 1981; 37(1):49–59

[Studies on water flow and dextran penetration through the sclera in vitro (author's transl)] Ohara K, et al. **Nippon Ganka Gakkai Zasshi** 1981 Sep 10;85(9):1243–7 (Eng. Abstr.) (Jpn)

PHARMACODYNAMICS

Comparison on the pulmonary effects of rapid infusion of a crystalloid and a colloid solution. Risberg B, et al. **Acta Chir Scand** 1981;147(8):613–8

The initial phase of the dextran-induced anaphylactoid reaction in the rat: a comparison of inhibitors of the blood pressure fall. Berstad J. **Acta Pharmacol Toxicol (Copenh)** 1982 Aug;51(2):141–6

Dextran-induced lowering of plasminogen proactivator and functionally active high molecular weight kininogen in the rat. Berstad J, et al. **Acta Pharmacol Toxicol (Copenh)** 1982 May;50(5):342–9

Effect of low molecular weight dextran sulphate on plasmin activity measured with S-2251. Matsuo O, et al. **Acta Physiol Lat Am** 1980;30(3):193–8

Effect of dextran on platelet activation by polymerizing fibrin. Ts'ao CH, et al. **Am J Pathol** 1982 Jan;106(1):1–7

The rate of nucleic acid annealing to cytological preparations is increased in the presence of dextran sulfate. Lederman LL, et al. **Anal Biochem** 1981 Oct;117(1):158–63

Dextran is not a potent local anesthetic adjuvant [letter] Rosenblatt RM. **Anesthesiology** 1981 Oct;55(4):480–1

Studied on ribonucleoside-diphosphate reductase in permeable animal cells. I. Reversible permeabilization of mouse L cells with dextran sulfate. Kucera R, et al. **Arch Biochem Biophys** 1982 Mar;214(1):102–13

Strain-specific aggregation of enterovirus by dextran sulfate. Totsuka A, et al. **Arch Virol** 1981;70(2):123–35

The effect of low molecular weight dextran on hand blood flow. Basedow RW, et al. **Aust J Exp Biol Med Sci** 1981 Jun;59(Pt 3):343–5

A pepstatin-dextran conjugate as an inhibitor of proteinase-free human renin. Pourmotabbed G, et al. **Biochem Pharmacol** 1981 Aug 1;30(15):2169–71

Laser light scattering measurement of dextran-induced Streptococcus mutans aggregation. Ryan V, et al. **Biophys J** 1980 Jul;31(1):113–25

The contact activation mechanism in human plasma: activation induced by dextran sulfate. van der Graaf F, et al. **Blood** 1982 Jun;59(6):1225–33

Studies on the mechanism of PMN activation. I. By dextran sulfates. Müller J, et al. **Blut** 1982 Jun;44(6):371–8

Quantitative aspects of granulocytic progenitor cell (CFUc) mobilization from extravascular sites in dogs using dextran sulphate (DS). Nothdurft W, et al. **Cell Tissue Kinet** 1982 May;15(3):331–40

Effect of dextranomer on developing granulation tissue in standard skin defects of rats. Niinikoski J, et al. **Clin Ther** 1980;3(4):273–9

Cryoprotection of spinach chloroplast membranes by dextrans. Santarius KA. **Cryobiology** 1982 Apr;19(2):200–10

Antitumor activity of mitomycin C-dextran conjugate against various murine tumors. Hashida M, et al. **Gan** 1981 Apr; 72(2):226–34

A possible link between the ability of rat isolated peritoneal mast cells to release histamine when challenged with dextran and the proteins in their plasma membranes. Ludowyke RI, et al. **Int Arch Allergy Appl Immunol** 1982; 68(2):188–91

Selective inhibition of RNase H by dextran. Dirksen ML, et al. **J Biol Chem** 1981 Nov 25;256(22):11569–73

Mitogenesis in normal human fibroblasts by polyinosinic . polycytidylic acid and other synthetic acidic polymers: enhancement of action by glucocorticoids. Barrack ER, et al. **J Cell Physiol** 1981 Sep;108(3):445–54

Dextran-sulfate: a mitogen for human T lymphocytes. Palacios R, et al. **J Immunol** 1982 Feb;128(2):621–4

Lymphocyte sorting on albuminated CIBA blue dextran-staphylococcal protein A-conjugated sepharose 6MB affinity columns. Duffey PS, et al. **J Immunol Methods** 1981;45(2):137–51

Blue dextran-mediated hemagglutination. Imanishi K, et al. **J Immunol Methods** 1982;48(3):287–91

Macrophage depletion using Cytodex. Ren EC. **J Immunol Methods** 1982;49(1):105–11

Dextran and carrageenan evoke different inflammatory responses in rat with respect to composition of infiltrates and effect of indomethacin. Lo TN, et al. **J Pharmacol Exp Ther** 1982 Apr;221(1):261–7

The potential for bacterial growth with dextran. Bernstein J, et al. **J Reprod Med** 1982 Feb;27(2):77–9

Role of dextran sulfate in urokinase therapy and evaluation of the effects by estimation of plasmin inhibitor, fibrinogenolytic degradation products, and fibrinolytic degradation products. Hasegawa H, et al. **Jpn Heart J** 1982 May;23(3):339–47

Effect of dextran on the fibrinolytic activity of urokinase. Matsuo O, et al. **Nippon Ketsueki Gakkai Zasshi** 1982 Feb; 45(1):112–8

Extracorporeal irradiation of the blood in a rat model for human acute myelocytic leukemia. Increased efficacy after combination with cell mobilization by low-molecular-weight dextran sulfate. Hagenbeek A, et al. **Radiat Res** 1981 Oct;88(1):144–54

A synergistic polyclonal response to dextran sulphate and lipopolysaccharide: immunoglobulin secretion and cell requirements. Bergstedt-Lindqvist S, et al. **Scand J Immunol** 1981 May;15(5):439–48

Enhanced breakdown of bovine articular cartilage proteoglycans by conditioned synovial medium. The effect of serum and dextran sulphate. Jones IL, et al. **Scand J Rheumatol** 1982;11(1):41–6

Radioprotective effects of dextran sulphate in mice. Vacek A, et al. **Strahlentherapie** 1981 Oct;157(10):692–5

Differentiation of specific DNA binding activity of SLE sera from non-specific binding by an addition of dextran sulfate and calcium chloride to the Farr assay system. Kashimura M, et al. **Tohoku J Exp Med** 1981 Aug;134(4):357–65

The non-specific binding of thermally denatured DNA by healthy human sera in Farr assay with or without addition of dextran sulfate and calcium chloride. Wakizaka A, et al. **Tohoku J Exp Med** 1981 Aug;134(4):351–6

Agglutination antibody responses to Trypanosoma gambiense homogenate in mice treated with dextran sulfate 500 and carrageenan. Oka M, et al. **Zentral Bakteriol Mikrobiol Hyg [A]** 1981;250(1-2):173–81

[The effects of 500 ml 10% hydroxyethyl starch 200/0.5 and 10% dextran 40 on blood volume, colloid osmotic pressure and renal function in human volunteers (author's transl)] Köhler H, et al. **Anaesthesist** 1982 Feb;31(2):61–7 (Eng. Abstr.) (Ger)

[Pharmacologic studies with dextran 1 (Promit) in human volunteers] Schwarz JA. **Beitr Infusionther Klinis Ernahr** 1981;8:50–3 (Ger)

[The effect of low-molecular hydroxyethyl starch and dextran 60 on the muscle oxygen supply in intensive care patients] Kopp KH, et al. **Infusionsther Klin Ernahr** 1982 Feb;9(1):44–51 (Eng. Abstr.) (Ger)

[Changes in the colloid-osmotic pressure by a foreign colloid (dextran 70)] Reusser P, et al. **Schweiz Med Wochenschr** 1981 Oct 24;111(43):1608–14 (Eng. Abstr.) (Ger)

[Role of thymus cells in spleen colony formation. 3. CPU migration characteristics in the irradiated organism as affected by dextran sulfate] Poverennyĭ AM, et al. **Radiobiologiia** 1981;21(4):606–9 (Eng. Abstr.) (Rus)

[Quantitative evaluation of the effectiveness of using Meldola blue and sephadex in the histochemical detection of dehydrogenases in cryostatic sections] Aravilskaia DD, et al. **Tsitologiia** 1981 Aug;23(8):950–4 (Eng. Abstr.) (Rus)

[Countercurrent distribution of L line monolayer and suspension cell cultures in a 2-phase polymer system] Petrov IuP, et al. **Tsitologiia** 1981 Oct;23(10):1188–92 (Eng. Abstr.) (Rus)

STANDARDS

Measurement and control of quality determining properties of clinical dextrans. Nilsson K. **Dev Biol Stand** 1980; 48:169–77

THERAPEUTIC USE

Prophylaxis of deep vein thrombosis in patients with fracture of the femoral neck: a prospective comparison between dextran and a sulphated polysaccharide. Fredin HO, et al. **Acta Orthop Scand** 1982 Jun;53(3):413–7

The prevention of postoperative pelvic adhesions: an animal study comparing barrier methods with dextran 70. Soules MR, et al. **Am J Obstet Gynecol** 1982 Aug 1;143(7):829–34

Comparison of dextranomer and streptokinase-streptodornase in the treatment of venous leg ulcers and other infected wounds. Hulkko A, et al. **Ann Chir Gynaecol** 1981;70(2):65–70

An evaluation of dextranomer granules as a new method of treatment of alveolar osteitis. Matthews RW. **Br Dent J** 1982 Mar;152(5):157–9

Treatment of alveolar osteitis [letter] Matthews RW. **Br Dent J** 1982 May 18;152(10):335

Treatment of alveolar osteitis [letter] Mitchell B. **Br Dent J** 1982 Apr 20;152(8):261

Use of dextrans for the prevention of postoperative peritubal adhesions in rabbits. Vemer HM, et al. **Br J Obstet Gynaecol** 1982 Jun;89(6):473–5

Prevention of fatal postoperative pulmonary embolism by heparin dihydroergotamine or Dextran 70. Gruber UF. **Br J Surg** 1982 Jun;69 Suppl:S54–8

Report of a prospective trial of dextranomer beads (Debrisan) and silicone foam elastomer (Silastic) dressings in surgical wounds. Young HL, et al. **Br J Surg** 1982 Jan;69(1):33–4

In vitro simulations of peritoneal dialysis: a systematic approach to demonstrating isonatric contraction with sodium dextran sulfate. Harding AD, et al. **Clin Exp Dial Apheresis** 1981;5(3):299–317

Relation of colloid concentration to volume expansion for resuscitation of rats subjected to intestinal ischemic shock. Dawidson I, et al. **Crit Care Med** 1982 Sep;10(9):597–9

Low molecular weight dextran therapy for digital ischemia due to collagen vascular disease. Berglund B, et al. **Dermatologica** 1981;163(4):353–7

The dextrans—clinical data. Thorén L. **Dev Biol Stand** 1980; 48:157–67

Uses of dextranomer absorbent pads after cryosurgery of cutaneous malignancies. Hersle K, et al. **J Dermatol Surg Oncol** 1982 Jan;8(1):35–7

Treatment of recurrent corneal erosion and corneal edema with topical osmotic colloidal solution. Foulks GN. **Ophthalmology (Rochester)** 1981 Aug;88(8):801–3

Cost effectiveness in treating deep pressure sores and ulcers. Nasar MA, et al. **Practitioner** 1982 Feb;226(1364):307–10

Low-molecular-weight dextran and puff-adder bites [letter] Brossy JJ, et al. **S Afr Med J** 1982 Sep 4;62(11):349–50

Safe intraperitoneal use of 32% dextran 70 after surgical treatment of infertility. Daniell JF, et al. **South Med J** 1981 Oct;74(10):1225–6

[Absorption treatment of skin defects] Cesaný P, et al. **Rozhl Chir** 1981 Nov;60(11):773–6 (Eng. Abstr.) (Cze)

[Favorable role of a local therapeutic agent (Dextranomer or Debrisan) in the preparation of leprous plantar perforating ulcers for surgery] Boucher P, et al. **Acta Leprol (Geneve)** 1981 Oct-Dec;85:99–104 (Fre)

[Skin ulceration maintained by a jejunal digestive fistula. Cure with dextranomer] Yakoun M. **Med Chir Dig** 1981; 10(7):619–20 (Fre)

[Infusion therapy with dextrans] **Beitr Infusionther Klinis Ernahr** 1981;8:1–111 (Ger)

[Infusion therapy with dextrans. Clinical results of a multicentric study] Gregori M. **Beitr Infusionther Klinis Ernahr** 1981;8:98–9 (Ger)

[Anaphylactoid reactions after dextran III. Preliminary results of a multicentric study on clinical hapten inhibition] Laubenthal H, et al. **Beitr Infusionther Klinis Ernahr** 1981; 8:82–90 (Ger)

[Thermal injuries of the hand by treatment with dextranomer (Debrisorb)] Rustemeier M. **Handchirurgie** 1981; 13(1-2):156–8 (Eng. Abstr.) (Ger)

[Thrombosis prophylaxis with dextran] Vinazzer H. **Med Welt** 1981 Jul 31;32(30–31):1174–7 (Ger)

[Dextran-40 in nonhemorrhagic cerebrovascular accidents] Borenstein N, et al. **Harefuah** 1981 May 15;100(10):455–6 (Eng. Abstr.) (Heb)

[RIA control of liposoluble vitamins and vitamin B12 in patients under treatment with DEAE-dextran] Nico F, et al. **Clin Ter** 1981 Mar 31;96(6):637–42 (Ita)

[Topical treatment of Lyell's syndrome with dextranomer (Debrisan) (author's transl)] Morelli P, et al. **Pediatr Med Chir** 1981 Jul-Aug;3(4):273–6 (Ita)

[Effect of bloodletting and dextran 40000 on the dynamics of the right heart ventricle in chronic cor pulmonale] Cholewa M, et al. **Pol Tyg Lek** 1981 Mar 9;36(10):383–6 (Eng. Abstr.) (Pol)

[Antitumor action of RNAses modified by covalent binding with dextran m-aminobenzylhydroxymethyl ether] Kurinenko BM, et al. **Antibiotiki** 1982 May;27(5):336–41 (Eng. Abstr.) (Rus)

[Effect of carboxymethyldextran-modified native pancreatic protease-inhibitor on the course of experimental acute pancreatitis] Vladimirov VG, et al. **Patol Fiziol Eksp Ter** 1982 Jan-Feb;(1):3–7 (Eng. Abstr.) (Rus)

TOXICITY

Induction of colorectal squamous cell carcinomas in rats by dextran sulfate sodium. Hirono I, et al. **Carcinogenesis** 1982; 3(3):353–5

DEXTRINS see under **STARCH**

DEXTRO-AMINO ACID OXIDASE see **D-AMINO ACID OXIDASE**

DEXTROAMPHETAMINE

Drug preferences in humans. Johanson CE, et al. **Fed Proc** 1982 Feb;41(2):228–33

Effect of fenfluramine and nicotine upon a stimulant-depressant continuum. Schechter MD. **Pharmacol Biochem Behav** 1981 Sep;15(3):371–5

ADMINISTRATION & DOSAGE

The effect of amphetamine on plasma cortisol in patients with endogenous and non-endogenous depression. Feinberg M,

et al. **Psychoneuroendocrinology** 1981 Dec;6(4):355–7
Psychostimulant self-administration by beagle dogs in a progressive-ratio paradigm. Risner ME, et al. **Psychopharmacology (Berlin)** 1981;75(1):25–30

ADVERSE EFFECTS

Confusional paranoid psychosis after withdrawal from sympathomimetic amines: two case reports. Deveaugh-Geiss J, et al. **Am J Psychiatry** 1982 Sep; 139(9):1190–1
Amphetamine-induced dysphoria in postmenopausal women. Halbreich U, et al. **Br J Psychiatry** 1981 Jun;138:470–3
Side effects of dexedrine in hyperactive children: operationalization and quantification in a short-term trial. Golinko BE. **Prog Neuropsychopharmacol Biol Psychiatry** 1982; 6(2):175–83
Effects of prenatal amphetamine exposure on the development of behavior in rats. Monder H. **Psychopharmacology (Berlin)** 1981;75(1):75–8

ANALOGS & DERIVATIVES

In vivo and in vitro o-methylation of 1-(3,4-dihydroxyphenyl)-2-(n-propyl-amino) propane - an intermediate in N-(N-propyl) amphetamine metabolism. Coutts RT, et al. **Res Commun Chem Pathol Pharmacol** 1982 Apr;36(1):173–6

ANALYSIS

Application of chiral lanthanide nuclear magnetic resonance shift reagents to pharmaceutical analysis. II. Determination of dextro- and levoamphetamine mixtures. Wainer IW, et al. **J Assoc Off Anal Chem** 1981 Jul;64(4):848–50

ANTAGONISTS & INHIBITORS

Disruption of primate social behavior by d-amphetamine and cocaine: differential antagonism by antipsychotics. Miczek KA, et al. **Psychopharmacology (Berlin)** 1982;76(2):163–71

DIAGNOSTIC USE

Growth hormone response to dextroamphetamine in depressed patients and normal subjects. Halbreich U, et al. **Arch Gen Psychiatry** 1982 Feb;39(2):189–92
Paradoxical cortisol responses to dextroamphetamine in endogenous depression. Sachar EJ, et al. **Arch Gen Psychiatry** 1981 Oct;38(10):1113–7
Long-term pimozide pretreatment differentially affects behavioral responses to dextroamphetamine in schizophrenia. Further exploration of the dopamine hypothesis of schizophrenia. van Kammen DP, et al. **Arch Gen Psychiatry** 1982 Ma 39(3):275–81
Antipsychotic effects of pimozide in schizophrenia. Treatment response prediction with acute dextroamphetamine response. van Kammen DP, et al. **Arch Gen Psychiatry** 1982 Mar;39(3):261–6
Diurnal cortisol responses to dextroamphetamine in normal subjects. Halbreich U, et al. **Psychoneuroendocrinology** 1981;6(3):223–9

METABOLISM

High affinity and stereospecific binding of [3H]d-amphetamine to rat brain. Paul SM, et al. **Eur J Pharmacol** 1982 Feb 19;78(1):145–7
Absence of alpha-methyldopamine in rat striatum after chronic administration of d-amphetamine. Duffield PH, et al. **Life Sci** 1982 May 17;30(20):1701–5
Regional brain distribution of alpha-amphetamine in lead-exposed rats. Zenick H, et al. **Toxicol Appl Pharmacol** 1982 Jun 15;64(1):52–63

PHARMACODYNAMICS

Elevated water intake in rats treated chronically with amphetamine: drinking in excess of need? Rowland N, et al. **Appetite** 1981 Mar;2(1):51–66
Thyroliberin (thyrotropin releasing hormone): antagonism of halothane and hexobarbital narcosis in mice. Comparison with pentetrazol, caffeine, d-amphetamine and adrenaline. Kruse H, et al. **Arzneimittelforsch** 1982;32(3):211–3
Septal lesions enhance hyperactivity induced either by amphetamine or lesions of the nucleus accumbens septi. Carey RJ. **Behav Brain Res** 1982 May;5(1):43–52
Attenuation of hyperactivity in the spontaneously hypertensive rat by amphetamine. Myers MM, et al. **Behav Neural Biol** 1982 Jan;34(1):42–54
[3H]Dopamine release by d-amphetamine from striatal synaptosomes of reserpinized rats. Masuoka DT, et al. **Biochem Pharmacol** 1982 Jun 1;31(11):1969–74
Urinary 3-methyoxy-4-hydroxyphenylglycol and homovanillic acid response to d-amphetamine in hyperactive children. Brown GL, et al. **Biol Psychiatry** 1981 Aug;16(8):779–87
Disruption of selective attention in the rat following chronic d-amphetamine administration: relationship to schizophrenic attention disorder. Crider A, et al. **Biol Psychiatry** 1982 Mar;17(3):351–61
Amphetamine behavioral toxicity: rotational behavior after chronic intrastriatal infusion. Dougherty GG Jr, et al. **Biol Psychiatry** 1981 May;16(5):479–88
Differential effects of microinjections of d-amphetamine into the nucleus accumbens or the caudate putamen on the rat's ability to ignore an irrelevant stimulus. Solomon PR, et al. **Biol Psychiatry** 1982 Jun;17(6):743–56
Prediction of early relapse after pimozide discontinuation by response to d-amphetamine during pimozide treatment. van Kammen DP, et al. **Biol Psychiatry** 1982 Feb;17(2):233–42
The acquisition of responding with conditioned reinforcement: effects of cocaine, (+)-amphetamine and pipradrol. Beninger RJ, et al. **Br J Pharmacol** 1981 Sep; 74(1):149–54
Cocaine cue in pigeons: time course studies and generalization to structurally related compounds (norcocaine, WIN 35,428 and 35,065-2) and (+)-amphetamine. Järbe TU. **Br J Pharmacol** 1981 Aug; 73(4):843–52
Sex differences in drug-induced rotation in two strains of rats. Brass CA, et al. **Brain Res** 1981 Oct 26;223(1):229–34
Genetic variations in midbrain dopamine cell number: parallel with differences in responses to dopaminergic agonists and in naturalistic behaviors mediated by central dopaminergic systems. Fink JS, et al. **Brain Res** 1981 Oct 19;222(2):335–49
Changes in dopaminergic terminal excitability induced by amphetamine and haloperidol. Groves PM, et al. **Brain Res** 1981 Sep 28;221(2):425–31
Long-term decreases in striatal dopamine, 3,4-dihydroxyphenylacetic acid, and homovanillic acid after a single injection of amphetamine in iprindole-treated rats: time course and time-dependent interactions with amfonelic acid. Steranka LR. **Brain Res** 1982 Feb 18; 234(1):123–36
Auditory cue preceding intracranial stimulation induces event-related potential in rat frontal cortex: alterations by amphetamine. Pirch JH, et al. **Brain Res Bull** 1981 Oct; 7(4):399–404
The effects of some antipsychotic drugs, D-amphetamine, and reserpine on the concentration and rate of accumulation of tryptamine and 5-hydroxytryptamine in the mouse striatum. Juorio AV. **Can J Physiol Pharmacol** 1982 Mar;60(3):376–80
Cigarette smoking and subjective response: effects of d-amphetamine. Henningfield JE, et al. **Clin Pharmacol Ther** 1981 Oct;30(4):497–505
Maturation and d-amphetamine-induced changes in web building. Reed CF, et al. **Dev Psychobiol** 1982 Jan; 15(1):61–70
Opposed stages of continuous amphetamine administration: parallel alterations in motor stereotypies and in vivo spiroperidol accumulation. Ellison G, et al. **Eur J Pharmacol** 1981 Sep 11;74(2-3):207–14
D-Amphetamine at low doses suppresses noradrenergic functions. Huang YH, et al. **Eur J Pharmacol** 1981 Nov 5;75(4):187–95
Effects of amphetamine and amfonelic acid on the disposition of striatal newly synthesized dopamine. Miller HH, et al. **Eur J Pharmacol** 1982 Feb 19;78(1):33–44
Monoamine oxidase inhibition by d-amphetamine in ganglia and nerve endings. Filinger EJ, et al. **Experientia** 1982 Jul 15;38(7):844–5
Brain stimulation as a cue for event-related potentials in rat cortex: amphetamine effects. Pirch JH, et al. **Int J Neurosci** 1981;15(4):217–22
Effects of d-amphetamine on colonic and skin temperatures of rats kept at various ambient temperatures. Yehuda S, et al. **Int J Neurosci** 1981;14(3-4):219–22
Daily biorhythmicity influences, homing behavior, psychopharmacological responsiveness, learning, and retention of suckling rats. Infurna RN. **J Comp Physiol Psychol** 1981 Dec;95(6):896–914
Homeostatic regulation and Pavlovian conditioning in tolerance to amphetamine-induced anorexia. Poulos CX, et al. **J Comp Physiol Psychol** 1981 Oct;95(5):735–46
Drug states as discriminative stimuli in a flavor-aversion learning experiment. Revusky S, et al. **J Comp Physiol Psychol** 1982 Apr;96(2):200–11
Effects of hepatic denervation on the anorexic response to epinephrine, amphetamine, and lithium chloride: a behavioral identification of glucostatic afferents. Tordoff MG, et al. **J Comp Physiol Psychol** 1982 Jun;96(3):361–75
The paradoxical effect of central nervous system stimulants on hyperactivity: a paradox unexplained by the rate-dependent effect. Millard WJ, et al. **J Nerv Ment Dis** 1982 Aug;170(8):499–501
Unstimulated and amphetamine-stimulated release of endogenous noradrenaline and dopamine from rat brain in vivo. Philips SR, et al. **J Neurochem** 1982 Apr; 38(4):1106–10
Cardiovascular effects of (−)-cathinone in the anaesthetized dog: comparison with (+)-amphetamine. Kohli JD, et al. **J Pharm Pharmacol** 1982 May;34(5):338–40
Effects of chlordiazepoxide and d-amphetamine on responding of squirrel monkeys maintained under concurrent or second-order schedules of response-produced food or electric shock presentation. Barrett JE, et al. **J Pharmacol Exp Ther** 1981 Oct; 219(1):199–206
Comparison of the behavioral effects of phencyclidine, ketamine, d-amphetamine and morphine in the squirrel monkey. Byrd LD. **J Pharmacol Exp Ther** 1982 Jan; 220(1):139–44
Behavioral tolerance and cross-tolerance to dl-cathinone and d-amphetamine in rats. Foltin RW, et al. **J Pharmacol Exp Ther** 1982 Jul;222(1):126–31
A comparison of the behavioral effects of l- and dl-cathinone and d-amphetamine. Johanson CE, et al. **J Pharmacol Exp Ther** 1981 Nov;219(2):355–62
Studies on the mechanism of (+)-amphetamine enhancement of neuromuscular transmission: muscle contraction, electrophysiological and biochemical results. Snider RM, et al. **J Pharmacol Exp Ther** 1982 Apr;221(1):14–21
Effects of d-amphetamine and diazepam on fixed-interval, fixed-ratio responding in humans. Tewes PA, et al. **J Pharmacol Exp Ther** 1982 May;221(2):373–83
Effects of d-amphetamine on activity-stress ulcers in rats. Glavin GB, et al. **Kurume Med J** 1981;28(3):223–6
Evidence of serotonin-dopamine involvement in the inhibition of d-amphetamine stereotypy and appearance of stereotyped movements found respectively after acute and long-term treatment with morphine and methadone in rats. Cervo L, et al. **Life Sci** 1981 Dec 21;29(25):2585–91
Dextroamphetamine infusions in normals result in correlated increases of plasma beta-endorphin and cortisol immunoreactivity. Cohen MR, et al. **Life Sci** 1981 Sep 21; 29(12):1243–7
Preference for fixed vs self-selected durations of brain stimulation in rats administered D-amphetamine sulphate. Zacharko RM, et al. **Life Sci** 1982 Mar 22;30(12):1029–34
A peripheral locus for amphetamine anorexia. Tordoff MG, et al. **Nature** 1982 May 13;297(5862):148–50
Behavioral alterations in rats prenatally exposed to low doses of d-amphetamine. Adams J, et al. **Neurobehav Toxicol Teratol** 1982 Jan-Feb;4(1):63–70
Prenatal methyl mercury exposure: II. Alterations in learning and psychotropic drug sensitivity in adult offspring. Eccles CU, et al. **Neurobehav Toxicol Teratol** 1982 May-Jun; 4(3):377–82
Responsiveness to d-amphetamine in lead-exposed rats as measured by steady state levels of catecholamines and locomotor activity. Rafales LS, et al. **Neurobehav Toxicol Teratol** 1981 Fall;3(3):363–7
Differential involvement of dopamine-containing tracts in 5-hydroxytryptamine-dependent behaviours caused by amphetamine in large doses. Andrews CD, et al. **Neuropharmacology** 1982 Jan;21(1):63–8
Elevation of Met5-enkephalin and beta-endorphin hypothalamic content in rats receiving anorectic drugs: differences between D-fenfluramine and D-amphetamine. Harsing LG Jr, et al. **Neuropharmacology** 1982 Feb; 21(2):141–5
Modification of d-amphetamine- or chlorpromazine-induced hypothermia by beta-endorphin, MIF-I, and alpha-MSH: mediation by the dopaminergic system. Yehuda S, et al. **Peptides (Fayetteville)** 1982 Mar-Apr;3(2):105–10
Ontogenetic differences in response to d-amphetamine: two-way avoidance, intertrial responses, and locomotor activity. Bauer RH. **Pharmacol Biochem Behav** 1982 Feb; 16(2):217–23
Stereotyped behavior elicited by amphetamine in the rat: influences of the testes. Beatty WW, et al. **Pharmacol Biochem Behav** 1982 Apr;16(4):565–8
Effect of amphetamine and cocaine on seizure in lead treated mice. Burright RG, et al. **Pharmacol Biochem Behav** 1982 Apr;16(4):631–5
Short-term memory: the role of d-amphetamine. Kesner RP, et al. **Pharmacol Biochem Behav** 1981 Nov;15(5):673–6
Differential effects of d-amphetamine, pipradrol and bupropion on shuttlebox self-stimulation. Liebman JM, et al. **Pharmacol Biochem Behav** 1982 May;16(5):791–4
Influence of estrogen and progesterone on behavioral effects of apomorphine and amphetamine. Michanek A, et al. **Pharmacol Biochem Behav** 1982 Jun;16(6):875–9
d-Amphetamine and phencyclidine alone and in combination: effects on fixed-ratio and interresponse-time-greater-than-t responding of rats. Poling A, et al. **Pharmacol Biochem Behav** 1981 Sep; 15(3):357–61
Haloperidol-induced hyperactivity in neonatal rats: effect of lithium and stimulants. Schechter MD, et al. **Pharmacol Biochem Behav** 1982 Jan;16(1):1–5
Effects of phencyclidine, d-amphetamine and pentobarbital on schedule-controlled behavior in rats. Segal SA, et al. **Pharmacol Biochem Behav** 1981 Nov;15(5):807–12
Effects of chronic d-amphetamine on the maintenance and acquisition of schedule-induced polydipsia in rats. Yoburn BC, et al. **Physiol Behav** 1982 May;28(5):807–18
The amphetamine-like releasing effect of the alkaloid (-)cathinone on rat nucleus accumbens and rabbit caudate nucleus. Kalix P. **Prog Neuropsychopharmacol Biol Psychiatry** 1982;6(1):43–9
Septal lesions augment locomotor hyperactivity induced by amphetamine and not scopolamine. Carey RJ. **Psychopharmacology (Berlin)** 1982;76(1):96–7
Spinal modulation of acoustic startle: opposite effects of clonidine and d-amphetamine. Davis M, et al. **Psychopharmacology (Berlin)** 1981;75(3):219–25
Alteration of the disruptive effect of fenfluramine on food consumption in the rat by repeated post-session administration of d-amphetamine. Hunsinger RN, et al. **Psychopharmacology (Berlin)** 1981;75(4):358–62
The effects of radio-frequency lesions of the nucleus accumbens on d-amphetamine-induced locomotor and rearing behavior in rats. Kehne JH, et al. **Psychopharmacology (Berlin)** 1981;75(4):363–7
Stimulus control and the effects of d-amphetamine in the rat. Laties VG, et al. **Psychopharmacology (Berlin)** 1981;

75(3):277–82
Perseverative behaviour after amphetamine; dissociation of response tendency from reward association. Ridley RM, et al. **Psychopharmacology (Berlin)** 1981;75(3):283–6
Behavioural changes during withdrawal from desmethylimipramine (DMI). I. Interactions with amphetamine. Willner P, et al. **Psychopharmacology (Berlin)** 1981;75(1):54–9
Paradoxical dextroamphetamine response [letter] Arnold LE. **Psychosomatics** 1981 Sep;22(9):805
The role if dopamine and norepinephrine uptake inhibition in mediating the central effects of d-amphetamine in vivo. Feigenbaum JJ, et al. **Res Commun Chem Pathol Pharmacol** 1982 Feb;35(2):333–5
Biphasic amphetamine effects on skeletal muscle contractions: noncholinergic mechanisms. Gerald MC, et al. **Res Commun Chem Pathol Pharmacol** 1982 Jan;35(1):3–16
The transport and turnover of phospholipids in the rat nigrostriatal system: effects of d-amphetamine and haloperidol. Hitzemann R, et al. **Res Commun Chem Pathol Pharmacol** 1982 Feb; 35(2):209–28
Amphetamine, haloperidol, and experience interact to affect rate of recovery after motor cortex injury. Feeney DM, et al. **Science** 1982 Aug 27;217(4562):855–7

POISONING

Pre-exposure to flavor and conditioned taste aversion: amphetamine and lithium reinforcers. Wellman PJ. **Psychol Rep** 1982 Apr;50(2):555–8

THERAPEUTIC USE

Effects of d-amphetamine on urinary metabolites of dopamine and norepinephrine in hyperactive boys. Shekim WO, et al. **Am J Psychiatry** 1982 Apr;139(4):485–8
d-Amphetamine-induced heterogeneous changes in psychotic behavior in schizophrenia. van Kammen DP, et al. **Am J Psychiatry** 1982 Aug;139(8):991–7
Acute myocardial infarction complicated by chronic amphetamine use [letter] Orzel JA. **Arch Intern Med** 1982 Mar;142(3):644
A trial of dextroamphetamine in patients with involutional agitated depression. Ward NG, et al. **J Clin Psychiatry** 1982 Jan;43(1):35–6
Dopamine-norepinephrine interaction in hyperactive boys treated with d-amphetamine. Shekim WO, et al. **J Pediatr** 1982 May;100(5):830–4
Medication compliance in hyperactive children. Kauffman RE, et al. **Pediatr Pharmacol (New York)** 1981;1(3):231–7
Predicting stimulant effectiveness in hyperactive children with a repeatable neuropsychological battery: a preliminary study. Golinko BE, et al. **Prog Neuropsychopharmacol** 1981; 5(1):65–8
Acquisition and retrieval of information in amphetamine-treated hyperactive children. Weingartner H, et al. **Psychiatry Res** 1982 Feb;6(1):21–9

TOXICITY

Central herpes virus infection: altered toxicity to D-amphetamine sulfate. Seegal RF, et al. **Life Sci** 1981 Aug 24;29(8):777–82

DEXTROCARDIA

Coronary artery bypass surgery in a patient with situs inversus. Irvin RG, et al. **Chest** 1982 Mar;81(3):380–1

COMPLICATIONS

[The surgical treatment of corrected transposition of the great arteries, situs inversus and dextrocardia (author's transl)] Sun PW, et al. **Chung Hua Hsin Hsueh Kuan Ping Tsa Chih** 1980 Jun; 8(2):124–6 (Eng. Abstr.) **(Chi)**
[Anatomo-clinical presentation of a case of asplenic syndrome and dextrocardia] Leopardi O, et al. **Arch Sci Med (Torino)** 1981 Oct-Dec;138(4):649–52 **(Ita)**
[Complex cardio-pulmonary malformation: unusual electro-cardiographic pattern due to anatomic cardiac dextro-position (author's transl)] Balducci G, et al. **Pediatr Med Chir** 1981 Sep-Oct;3(5):423–7 (Eng. Abstr.) **(Ita)**
[Tetralogy of Fallot associated with dextrocardia transformation from VSD, PH in infancy (author's transl)] Oteki H, et al. **Kyobu Geka** 1981 Oct;34(10):800–5 (Eng. Abstr.) **(Jpn)**
[Surgical repair of tetralogy of Fallot with pulmonary atresia in mirror image dextrocardia (author's transl)] Konishi Y, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1981 Oct; 29(10):1680–4 (Eng. Abstr.) **(Jpn)**

DIAGNOSIS

Electrocardiograms of the month. Regular sinus rhythm diagnosed as dextrocardia. Rubin IL, et al. **NY State J Med** 1982 Apr;82(5):743–4
Can you diagnose this (dextrocardia)? Romhilt DW. **Va Med** 1982 Apr;109(4):259–60
[Unusual electrocardiographic pattern caused by anatomical dextroposition] Balducci G, et al. **G Ital Cardiol** 1981; 11(5):692–7 (Eng. Abstr.) **(Ita)**

PHYSIOPATHOLOGY

[Tetralogy of Fallot in mirror-image dextrocardia and total situs inversus] Pyzik Z, et al. **Kardiol Pol** 1981; 24(11–12):799–802 **(Pol)**

DEXTROMETHORPHAN see under **LEVORPHANOL**

DEXTROMORAMIDE

PHARMACODYNAMICS

[Modification, by lithium, of catalepsy induced by central cholinergic stimulants and morphine-like drugs] Scotto di Tella AM. **C R Soc Biol (Paris)** 1981;175(3):357–63 (Eng. Abstr.) **(Fre)**

DEXTROPROPOXYPHENE see **PROPOXYPHENE**

DEXTRORPHAN see under **MORPHINANS**

DEXTROSE see **GLUCOSE**

DEXTROSULFENIDOL see **THIAMPHENICOL**

DEXTROTHYROXINE

THERAPEUTIC USE

Effect of neomycin sulphate alone and in combination with D-thyroxine on serum lipoproteins in hypercholesterolaemic subjects. Vogelberg KH, et al. **Eur J Clin Pharmacol** 1982;22(1):33–8

DFP see **ISOFLUROPHATE**

DI GUGLIELMO'S DISEASE see **ERYTHREMIC MYELOSIS**

DIABETES, BRONZE see **HEMOCHROMATOSIS**

DIABETES INSIPIDUS

BLOOD

Inhibition of the isoprenaline-induced renin release by bilateral vagotomy is mediated by vasopressin. Knepel W, et al. **Endokrinologie** 1981 Mar;77(3):325–32
The effects of antidiuretic hormone and state of potassium balance on the renin-angiotensin system in rats with diabetes insipidus. Fernández-Repollet E, et al. **J Physiol (Lond)** 1982 Feb;323:519–31
[Plasma renin activity in vasopressin-sensitive diabetes insipidus and changes in the same produced by clofibrate, carbamazepine and exogenous ADH] Holgado Silva C, et al. **Rev Clin Esp** 1981 Jun 15-30;161(5–6):311–3 (Eng. Abstr.) **(Spa)**

CHEMICALLY INDUCED

Nephrogenic diabetes insipidus associated with Dyazide (triamterene-hydrochlorothiazide). Macleod MD, et al. **Br Med J [Clin Res]** 1981 Oct 31;283(6300):1155–6
The role of prostaglandins in diabetes insipidus produced by desoxycorticosterone in the dog. Düsing R, et al. **Endocrinology** 1982 Feb;110(2):644–9
[Lithium and body water movement] Abramow M, et al. **Agressologie** 1982 Feb;23(B):85–7 (Eng. Abstr.) **(Fre)**
[Lithium and diabetes insipidus. Theoretical and practical aspects. Therapeutic value of thiazide diuretics (author's transl)] des Lauriers A, et al. **Sem Hop Paris** 1982 Mar 25;58(12):703–10 (Eng. Abstr.) **(Fre)**

COMPLICATIONS

Occurrence of diabetes mellitus in neurogenic diabetes insipidus. Aliberti G, et al. **Acta Diabetol Lat** 1981 Oct-Dec;18(4):335–7
The syndrome of diabetes insipidus, diabetes mellitus, optic atrophy, deafness, and other abnormalities (DIDMOAD-syndrome). Two affected sibs and a short review of the literature (98 cases). Dreyer M, et al. **Klin Wochenschr** 1982 May 3;60(9):471–5 (42 ref.)
Isolated hypoaldosteronism with nephrogenic diabetes insipidus and renal amyloidosis. Timins JE, et al. **Nephron** 1982;30(1):93–4
Autoimmune endocrinopathy associated with diabetes insipidus. Bhan GL, et al. **Postgrad Med J** 1982 Mar; 58(677):165–6
Hyperthyroidism associated with renal tubular acidosis, nephrocalcinosis, nephrogenic diabetes insipidus and periodic paralysis. Report of a case. Bolaños F, et al. **Rev Invest Clin** 1981 Apr-Jun;33(2):195–8
[DIDMOAD syndrome (diabetes insipidus, diabetes mellitus, optic atrophy, deafness) with cerebello-pontine atrophy] Keil O, et al. **Schweiz Med Wochenschr** 1982 Mar 6; 112(10):348–52 (Eng. Abstr.) **(Ger)**
[Early diagnosis of diabetes mellitus, diabetes insipidus and optic atrophy (DIDMOAD syndrome)] Barta L, et al. **Orv Hetil** 1982 Jun 27;123(26):1619–20 **(Hun)**
[Diabetes insipidus in a case of erythroleukemia (author's transl)] Fujikawa J, et al. **Rinsho Ketsueki** 1982 Mar; 23(3):349–55 (Eng. Abstr.) **(Jpn)**

CONGENITAL

Congenital nephrogenic diabetes insipidus with bilateral hydronephrosis: indomethacin in treatment of nephrogenic diabetes insipidus. Sohn YM, et al. **Yonsei Med J** 1980; 21(2):116–22

DIAGNOSIS

Simplifying the diagnosis of diabetes insipidus in children. Richman RA, et al. **Am J Dis Child** 1981 Sep;135(9):839–41
Verney was right, but... [editorial] Stern P, et al. **N Engl J Med** 1981 Dec 24;305(26):1581–2
A comparison of plasma vasopressin measurements with a standard indirect test in the differential diagnosis of polyuria. Zerbe RL, et al. **N Engl J Med** 1981 Dec 24; 305(26):1539–46
Recognition of diabetes insipidus in postpartum hypopituitarism. Schwartz AR, et al. **Obstet Gynecol** 1982 Mar;59(3):394–8
[Dehydration-pitressin test for the diagnosis of mild and severe types of diabetes insipidus (author's transl)] Qiu HX. **Chung Hua Nei Ko Tsa Chih** 1982 Feb;21(2):72–4 **(Chi)**
[Multiple eosinophilic granulomas of the bones in diabetes insipidus. Borderline forms of histiocytosis X in the adult] Rousset H, et al. **Rev Med Interne** 1981;2(4):435–41 **(Fre)**

DRUG THERAPY

[Pituitary gland extract insufflation lung] Liebetrau G, et al. **Z Gesamte Inn Med** 1982 Apr 1;37(7):218–20 (Eng. Abstr.) **(Ger)**

ENZYMOLOGY

Desamino-D-Arginine vasopressin induces fatty acid cyclooxygenase activity in the renal medulla of diabetes insipidus rats. Beck TR, et al. **J Pharmacol Exp Ther** 1982 May;221(2):269–74
High angiotensin-converting enzyme activity in the neurohypophysis of Brattleboro rats. Chevillard C, et al. **Science** 1982 May 7;216(4546):646–7

ETIOLOGY

Bronchogenic carcinoma and diabetes insipidus: case report and review. Krol TC, et al. **Cancer** 1982 Feb 1;49(3):596–9
Postcraniotomy diabetes insipidus. Who's at risk? Balestrieri FJ, et al. **Crit Care Med** 1982 Feb;10(2):108–10
Diabetes insipidus and anterior pituitary dysfunction after staphylococcal meningitis and multiple brain abscesses. Gatell JM, et al. **J Infect Dis** 1982 Jul;146(1):102
Diabetes insipidus following cardiorespiratory arrest. Udoshi MB, et al. **J Natl Med Assoc** 1981 Sep;73(9):797–800
Diabetes insipidus associated with facial fractures. Report of a case. Zachariades N, et al. **Oral Surg** 1982 Feb; 53(2):141–3
Diabetes insipidus and breast cancer. Schear EA, et al. **South Med J** 1982 Mar;75(3):354–6
[Neurogenic diabetes insipidus in hypoxemic encephalopathy] Johansen JA, et al. **Ugeskr Laeger** 1981 Oct 19; 143(43):2796–9 (Eng. Abstr.) **(Dan)**
[Transient diabetes insipidus following cardiac arrest] von Staffeldt H, et al. **Ugeskr Laeger** 1981 Mar 30;143(14):883–4 (Eng. Abstr.) **(Dan)**
[A patient with thirst and increasing reduction in vision] Lockefeer JH. **Ned Tijdschr Geneeskd** 1981 Nov 14; 125(46):1886–90 **(Dut)**
[Granulomatous histiocytosis in a 70-year-old woman, revealed by prolonged fever ; osseous lesions in the femur and tibia were associated with diabetes insipidus and hypernatremia (author's transl)] Grimaldi A, et al. **Sem Hop Paris** 1982 Mar 4;58(9):554–8 (Eng. Abstr.) **(Fre)**
[Trauma-induced diabetes insipidus] Kühr J, et al. **Zentralbl Chir** 1981;106(6):395–9 **(Ger)**
[The pathogenesis of diabetes insipidus in pregnancy (description of a case)] Laghi A, et al. **Arch Ostet Ginecol** 1980 Jul-Aug;85(4):297–305 **(Ita)**
[Post-traumatic diabetes insipidus: description of a case] Zorzi R, et al. **Chir Ital** 1982 Feb;34(1):117–20 **(Ita)**
[Hypothalamic diabetes insipidus in aged patients: physiopathological aspects, diagnostic problems and therapeutic considerations] Mancinella A. **Clin Ter** 1981 Oct 15;99(1):91–103 (64 ref.) **(Ita)**
[A case of acute myeloblastic leukemia associated with central diabetes insipidus (author's transl)] Kajii E, et al. **Rinsho Ketsueki** 1981 Mar;22(3):364–70 (Eng. Abstr.) **(Jpn)**
[Nephrogenous diabetes insipidus caused by acute interstitial tubulonephritis, associated with metabolic acidosis] Mănescu N, et al. **Rev Med Interna [Med Interna]** 1981 Nov-Dec;33(6):475–80 **(Rum)**
[Post-traumatic diabetes insipidus and hypopituitarism. Diagnostic evaluation of three cases (author's transl)] Fernández Castañer M, et al. **Med Clin (Barc)** 1982 May 1;78(9):358–62 (Eng. Abstr.) **(Spa)**

FAMILIAL & GENETIC

The renal kallikrein-kinin system in Brattleboro rats with hereditary hypothalamic diabetes insipidus. Missing relationship between antidiuretic hormone and the renal kallikrein-kinin system. Bönner G, et al. **Acta Endocrinol (Copenh)** 1981 Sep;98(1):36–42

Autosomal dominant hypoparathyroidism: a proband with concurrent nephrogenic diabetes insipidus. Hunter AG, et al. **J Med Genet** 1981 Dec;18(6):431–5

Radioimmunoassay of vasopressin in familial cental diabetes insipidus. Kaplowitz PB, et al. **J Pediatr** 1982 Jan; 100(1):76–81

Vasopressin function in familial cranial diabetes insipidus. Baylis PH, et al. **Postgrad Med** J 1981 Jan;57(663):36–40

[A case of familial nephrogenic diabetes insipidus accompanied with hypertension and atonic bladder (author's transl)] Takagi N, et al. **Nippon Jinzo Gakkai Shi** 1981 Mar;23(3):359–67 (Eng. Abstr.) **(Jpn)**

[Hereditary hypothalamic diabetes insipidus] Zefirova GS, et al. **Klin Med (Mosk)** 1982 Feb;60(2):68–71 **(Rus)**

METABOLISM

Defective protein phosphorylation in renal medulla of vasopressin-resistant mice. Strewler GJ, et al. **Biochem Biophys Res Commun** 1981 Nov 30;103(2):713–20

Age-related changes of vasopressin content of microdissected areas of the rat brain. Dorsa DM, et al. **Brain Res** 1982 Jun 17;242(1):151–6

Vasopressin-related peptides increase the hippocampal corticosterone receptor capacity of diabetes insipidus (Brattleboro) rats. Veldhuis HD, et al. **Endocrinology** 1982 Jan;110(1):153–7

The effect of inhibition of prostaglandin synthesis on free water and osmolar clearances in patients with hereditary nephrogenic diabetes insipidus. Blachar Y, et al. **Int J Pediatr Nephrol** 1980 Mar;1(1):48–52

Uptake of 3H-cortisol by the pituitary and brain structures of Brattleboro rats with hereditary diabetes insipidus. Garina IA, et al. **Physiol Bohemoslov** 1981;30(4):381–3

Angiotensin II receptors are reduced in the CNS of the young Brattleboro rat. Cole FE, et al. **Regul Pept** 1982 Feb; 3(2):91–6

[Effects of clonidine on diuresis and water intake in normal and Brattleboro rats. (author's transl)] Auriac A, et al. **J Pharmacol** 1981 Jul–Sep;12(3):277–88 (Eng. Abstr.) **(Fre)**

PHYSIOPATHOLOGY

Diabetes insipidus and syndrome of inappropriate antidiuretic hormone secretion (SIADH). Moses AM, et al. **Adv Intern Med** 1982;27:73–100 (100 ref.)

Indomethacin impairs water diuresis in the DI rat: role of prostaglandins independent of ADH. Stoff JS, et al. **Am J Physiol** 1981 Sep;241(3):F231–7

Dissociation of antipolyuric action and increase in plasma renin activity caused by chlorothiazide in Brattleboro rats. De Groot CA, et al. **Arch Int Pharmacodyn Ther** 1981 Sep; 253(1):137–47

Impaired brain development of the diabetes insipidus Brattleboro rat. Boer GJ, et al. **Brain Res** 1982 Apr; 255(4):557–75

Vasopressin in hypertension [letter] Padfield PL, et al. **Clin Endocrinol (Oxf)** 1981 Nov;15(5):525–7

Altered pituitary-thyroid function in the Brattleboro rat with diabetes insipidus. Fujimoto S, et al. **Endocrinology** 1982 May;110(5):1628–33

Peculiar response of Brattleboro rats to selenite. Babický A, et al. **Experientia** 1982 Jul 15;38(7):839

Vasopressin and vascular reactivity in the development of DOCA hypertension in rats with hereditary diabetes insipidus. Berecek KH, et al. **Hypertension** 1982 Jan–Feb; 4(1):3–12

Absence of overlapping resistance to vasopressin and parathyroid hormone in patients with nephrogenic diabetes insipidus and pseudohypoparathyroidism. Moses AM, et al. **J Clin Endocrinol Metab** 1982 Oct;55(4):699–702

The effect of vasopressin on extracellular cation concentrations and muscle resting potentials in the rat. Gartside IB, et al. **J Physiol (Lond)** 1981 Sep;318:317–26

Suppression of drinking by naloxone in rats homo- and heterozygous for diabetes insipidus. Brown DR, et al. **Pharmacol Biochem Behav** 1981 Jul;15(1):109–14

Vasopressin secretion in primary polydipsia and cranial diabetes insipidus. Baylis PH, et al. **Q J Med** 1981 Summer; 50(199):345–58

[Nephrogenic diabetes insipidus] Shimizu K, et al. **Nippon Rinsho** 1981 Sep;39(9):3070–7 **(Jpn)**

THERAPY

[Case of recovery from diabetes insipidus complicating diabetes mellitus] Kallakov AM. **Probl Endokrinol (Mosk)** 1981 Sep–Oct;27(5):47–8 **(Rus)**

URINE

Effect of morphine on diuresis in normal and diabetes insipidus dogs. Montastruc JL, et al. **Arch Farmacol Toxicol** 1980 Dec;6(3):287–90

VETERINARY

Nephrogenic diabetes insipidus in three dogs. Breitschwerdt EB, et al. **J Am Vet Med Assoc** 1981 Aug 1;179(3):235–8

DIABETES MELLITUS

see related

PREDIABETIC STATE

Scandinavian Society for the Study of Diabetes. 16th Annual Meeting. Linköping, Sweden, May 21–23, 1981. Abstracts. **Acta Endocrinol [Suppl] (Copenh)** 1981;245:1–83

Advance abstracts of papers: Scandinavian Society for the Study of Diabetes. 17th Annual meeting, Helsingør, Denmark May 6–8 1982. **Acta Endocrinol [Suppl] (Copenh)** 1982;247:1–67

Animal model of human disease: Inherited early-onset, insulin-requiring diabetes mellitus in keeshond dogs. Kramer JW. **Am J Pathol** 1981 Nov;105(2):194–6

Is tight perioperative control of diabetes warranted? [letter] Roizen MF. **Anesthesiology** 1982 Mar;56(3):242

Diabetes mellitus. Kaplan SA, et al. **Ann Intern Med** 1982 May;96(5):635–49 (100 ref.)

Diabetes mellitus. New developments. Oyer DS. **Arch Dermatol** 1982 Feb;118(2):132–4

Glucose-induced hyperkalemia in diabetic subjects [letter] Radó JP. **Arch Intern Med** 1981 Nov;141(12):1721–2

Evaluation of a diabetes education programme. Webb KL, et al. **Aust NZ J Med** 1982 Apr;12(2):153–60

Contraception in diabetics [letter] Craig GM, et al. **Br Med J [Clin Res]** 1981 Oct 31;283(6300):1184

Dentistry and the diabetic patient. Ryan DE, et al. **Dent Clin North Am** 1982 Jan;26(1):105–18

American Diabetes Association. 41st annual meeting, June 14–16, Cincinnati. Abstracts. **Diabetes** 1982 May;30 Suppl 1:1A–142A, 143–52

Research at camp: some social questions [letter] Horwitz DL. **Diabetes Care** 1982 Jul–Aug;4(4):507–8

Evaluating patient education: a case study of a diabetes program. Legge JS Jr, et al. **Health Educ Q** 1980 Summer; 7(2):148–58

Diabetes mellitus in an Irish general practice. Malone P. **Ir Med J** 1982 Apr;75(4):116–8

Institutionally-based diabetes educational services for patients and their families in Florida. Lieberman LS, et al. **J Fla Med Assoc** 1982 Jan;69(1):23–31

Diabetes mellitus. A disease that is coming into focus. Salans LB. **JAMA** 1982 Feb 5;247(5):590–4

Low risk of contrast media-induced acute renal failure in nonazotemic type 2 diabetes mellitus. Shieh SD, et al. **Kidney Int** 1982 May;21(5):739–43

Crystalloid infusions in diabetes [letter] **Lancet** 1982 Sep 4; 2(8297):548–9

Pathologists not told about diabetes [letter] Jarrett RJ, et al. **Lancet** 1982 Apr 10;1(8276):863–4

Intrauterine contraceptive devices for diabetics [letter] Skouby SO, et al. **Lancet** 1982 Apr 24;1(8278):968

Blood tests or urine tests in diabetes management? Smith RB. **NZ Med J** 1982 Jun 9;95(709):383

Diabetes mellitus in the elderly. Redmon JE, et al. **Postgrad Med** 1982 Feb;71(2):231–6

'Clinical diabetes update-1981'. Chandalia HB. **Q Med Rev** 1982 Jan;33(1):1–42 (57 ref.)

Risk associated with diabetes mellitus in patients undergoing gallbladder surgery. Walsh DB, et al. **Surgery** 1982 Mar; 91(3):254–7

[Diabetes today 1981] Nikkilä E. **Duodecim** 1981; 97(12):777–81 **(Fin)**

[Diabetes in the extreme ages of life: introduction] Lefèbvre P. **Rev Med Liege** 1981 Nov 1;36(21):777 **(Fre)**

[Surgical procedures and anesthesia in diabetes mellitus] Lutz H. **Fortschr Med** 1981 Oct 1;99(37):1497–8 **(Ger)**

[6th international Danubian Symposium on Diabetes Mellitus. 2–4 July 1981. Budapest, Hungary. Abstracts] **Wien Med Wochenschr (Suppl)** 1981;67:1–30 **(Ger)**

[Recent acquisitions in the etiopathogenesis and treatment of diabetes mellitus] Blum M. **Rev Med Chir Soc Med Nat Iasi** 1981 Apr–Jun;85(2):253–60 (00 ref.) **(Rum)**

BLOOD

Serum lipid and lipoprotein levels and metabolic control in insulin-treated diabetics. Fedele D, et al. **Acta Diabetol Lat** 1982 Apr–Jun;19(2):151–9

Blood sugar changes in diabetics after a test meal containing vegetables and olive oil [letter] Katsilambros N, et al. **Acta Diabetol Lat** 1982 Apr–Jun;19(2):185–6

Effect of Calcitonin on plasma glucose, C-peptide, glucagon and growth hormone responses to arginine in insulin-dependent diabetic subjects. Sgambato S, et al. **Acta Diabetol Lat** 1981 Jul–Sep;18(3):235–41

Labile and stable glycosylated hemoglobin during OGTT in healthy subjects and maturity-onset diabetics. Trovati M, et al. **Acta Diabetol Lat** 1981 Jul–Sep;18(3):207–11

Relationships between metabolic and hemostatic variables in uncomplicated diabetes. Vergani C, et al. **Acta Diabetol Lat** 1981 Jul–Sep;18(3):199–206

Plasma testosterone and androstenedione in insulin dependent patients at time of diagnosis and during the first year of insulin treatment. Gluud C, et al. **Acta Endocrinol (Copenh)** 1982 Jul;100(3):406–9

Oral contraception in diabetic women. Diabetes control, serum and high density lipoprotein lipids during low-dose progestogen, combined oestrogen/progestogen and non-hormonal contraception. Rådberg, et al. **Acta Endocrinol (Copenh)** 1981 Oct;98(2):246–51

Platelet aggregate ratio in diabetes mellitus. Davis JW, et al. **Acta Haematol (Basel)** 1982;67(3):222–4

Serum concentration of cathodic trypsin-like immunoreactivity and pancreatic isoamylase in insulin-dependent diabetes mellitus. Møller-Petersen J, et al. **Acta Med Scand** 1982;211(6):459–62

Hemoglobin AI in community care. Ahrén B, et al. **Acta Med Scand [Suppl]** 1981;656:63–7

Determination of hemoglobin A1c in diabetic patients. Almér LO, et al. **Acta Med Scand [Suppl]** 1981;656:59–61

Chlorpropamide-alcohol flushing and blood kinins. Jerntorp P, et al. **Acta Med Scand [Suppl]** 1981;656:37–8

Glycosylated haemoglobins in assessment of the glycaemic control of the elderly diabetic outpatient. Kyllästinen M, et al. **Aktule Gerontol** 1981 Jul;11(4):119–21

Effect of physical form of carbohydrate on the postprandial glucose, insulin, and gastric inhibitory polypeptide responses in type 2 diabetes. Collier G, et al. **Am J Clin Nutr** 1982 Jul;36(1):10–4

Complexities of managing diabetes [letter] Phillips KE. **Am J Nurs** 1982 Apr;82(4):555–6

Monitoring blood glucose at home: a comparison of three products. Plasse NJ. **Am J Nurs** 1981 Nov;81(11):2028–9

Monitoring blood glucose at home: who should do it and how? Stevens AD. **Am J Nurs** 1981 Nov;81(11):2026–7

Metabolic profiles of organic acids from human plasma. Issachar D, et al. **Anal Chem** 1982 Jan;54(1):29–32

Status of platelets in complicated and uncomplicated diabetes mellitus. Malhotra KC, et al. **Angiology** 1982 Jun; 33(6):410–7

Blood dehydroascorbic acid and diabetes mellitus in human beings. Banerjee A. **Ann Clin Biochem** 1982 Mar;19(Pt 2):65–70

C-peptide measurement and its clinical usefulness: a review. Bonser AM, et al. **Ann Clin Biochem** 1981 Jul;18(Pt 4):200–6 (52 ref.)

Pancreatic polypeptide. A review. Lonovics J, et al. **Arch Surg** 1981 Oct;116(10):1256–64 (136 ref.)

The effects of glibenclamide and insulin on plasma high density lipoprotein in diabetics. Tamai T, et al. **Artery** 1981; 9(6):477–93

Lecithin:cholesterol acyltransferase and serum fatty acids. Yao JK, et al. **Artery** 1981;9(4):262–74

Serum high density lipoprotein cholesterol levels in Chinese healthy subjects and patients with certain diseases. Cai HJ, et al. **Atherosclerosis** 1982 Jun;43(2–3):197–207

Glycogen and acid alpha-naphthyl acetate esterase in lymphocytes of diabetic subjects. Fuchs U, et al. **Basic Appl Histochem** 1982;26(1):1–6

Plasma lipids in a colony of spontaneously diabetic New Zealand white rabbits. Faas FH, et al. **Biochem Med** 1981 Aug;26(1):85–9

Application of the transient flow rheology to the study of abnormal human bloods. Joly M, et al. **Biorheology** 1981; 18(3–6):445–52

Oxprenolol, methyldopa and lipids in diabetes mellitus. Benfield GF, et al. **Br J Clin Pharmacol** 1982 Feb; 13(2):219–22

Diabetes, intrauterine devices, and fibrinolysis [letter] Craig GM. **Br Med J [Clin Res]** 1981 Nov 7;283(6301):1264

Effects of diet and gliclazide on the haemostatic system of non-insulin-dependent diabetics. Paton RC, et al. **Br Med J [Clin Res]** 1981 Oct 17;283(6298):1018–20

Prostacyclin and thromboxane in diabetes. Ylikorkala O, et al. **Br Med J [Clin Res]** 1981 Oct 31;283(6300):1148–50

Plasma cyclic-AMP and cyclic-GMP response levels in diabetes mellitus subjected to Cooper's aerobic programmed treadmill test. Kawasaki T, et al. **Bull Osaka Med Sch** 1980 Oct;26(2):88–100

Human C-peptide in normal subjects and diabetics. Lu ZL, et al. **Chin Med J [Engl]** 1981 Aug;94(8):513–7

Evaluation of three minicolumn procedures for measuring hemoglobin A1. Hammons GT, et al. **Clin Chem** 1982 Aug; 28(8):1775–8

Rapid in vitro glycosylation of hemoglobin: a hazard of column-chromatographic but not colorimetric techniques [letter] Ploybutr S, et al. **Clin Chem** 1982 May;28(5):1233–4

Hemoglobin A1C by isoelectric focusing. Simon M, et al. **Clin Chem** 1982 Jan;28(1):9–12

New spectrophotometric method for the determination of hemoglobin A1 compared with a microcolumn technique. Wålinder O, et al. **Clin Chem** 1982 Jan;28(1):96–9

Serum high density lipoprotein cholesterol subfractions in type I (insulin-dependent) diabetes mellitus. Durrington PN. **Clin Chim Acta** 1982 Mar 26;120(1):21–8

Unstable glycosylated hemoglobin in patients with diabetes mellitus. Huisman W, et al. **Clin Chim Acta** 1982 Feb 5; 118(2–3):303–9

On the importance of a prolonged dialysis for haemoglobin A1c determination. Maquart FX, et al. **Clin Chim Acta** 1982 Jun 3;121(3):393–7

N-acetyl beta-D-glucosaminidase and alpha-L-fucosidase activities in relation to glycosylated hemoglobin levels and to retinopathy in diabetes. Miralles JM, et al. **Clin Chim Acta** 1982 Jun 3;121(3):373–8

Haemoglobin Hijiyama: a haemoglobin variant found in connection with glycosylated haemoglobin estimation in a Finnish diabetic boy. Puukka R, et al. **Clin Chim Acta** 1982 May 6;121(1):51–7

Circulating prostanoid levels, both basal and during the chlorpropamide alcohol flush, in non-insulin dependent diabetes. Barnett AH, et al. **Clin Endocrinol (Oxf)** 1981 Nov;15(5):499–505

Extreme hyperglycemia in dialysis patients. Al-Kudsi RR, et al. **Clin Nephrol** 1982 May;17(5):228–31
Blood viscosity, glycaemic control and retinopathy in insulin-dependent diabetes. Poon PY, et al. **Clin Sci** 1982 Aug;63(2):211–6
Home blood glucose monitoring. Jovanovic L, et al. **Compr Ther** 1982 Jan;8(1):10–20 (29 ref.)
Metabolic and cardiac effects of mild exercise in non-insulin diabetes. Karamanos BG, et al. **Curr Probl Clin Biochem** 1982;11:147–54
Peripheral insulinaemia and the glucoregulatory response to exercise in diabetic man. Zinman B, et al. **Curr Probl Clin Biochem** 1982;11:45–56
Plasma C-peptide in long-standing type 1 diabetics with and without microvascular disease. Bodansky HJ, et al. **Diabete Metab** 1981 Dec;7(4):265–9
Kinetic behaviour of the glucose-hemoglobin labile adduct in normal and diabetic erythrocytes. Bolli G, et al. **Diabete Metab** 1982 Mar;8(1):21–7
Insulin resistance and carbohydrate oxidation in patients with chemical diabetes. Chevaux F, et al. **Diabete Metab** 1982 Jun;8(2):105–8
Impaired insulin secretion in human diabetes mellitus III. The effect of the serotonin antagonist metergoline. Giugliano D, et al. **Diabete Metab** 1981 Dec;7(4):231–4
Effect of short-term phenformin administration on the pattern of free amino acids in the plasma of healthy subjects and patients with non insulin-dependent diabetes. Piniewska D. **Diabete Metab** 1982 Jun;8(2):109–13
Erythrocyte and monocyte insulin binding in man: a comparative analysis in normal and disease states. Dons RF, et al. **Diabetes** 1981 Nov;30(11):896–902
Increased platelet arachidonic acid metabolism in diabetes mellitus. Halushka PV, et al. **Diabetes** 1981;30(Suppl 2):44–8
Glucose utilization during exercise in normal and diabetic subjects. The role of insulin. Krzentowski G, et al. **Diabetes** 1981 Dec;30(12):983–9
High density lipoproteins in diabetes. Nikkilä EA. **Diabetes** 1981;30(Suppl 2):82–7
Simultaneous inhibition of insulin and somatomedin-C binding to cultured IM-9 lymphocytes by naturally occurring antireceptor antibodies. Rosenfeld RG, et al. **Diabetes** 1981 Nov;30(11):979–82
Cholesterol metabolism in diabetes mellitus: the role of diet. Saudek CD, et al. **Diabetes** 1981;30(Suppl 2):76–81
Evidence for the hormonal status of somatostatin in man. Zyznar ES, et al. **Diabetes** 1981 Oct;30(10):883–6
Plasma glucose and insulin after fructose an high-fructose corn syrup meals in subjects with non-insulin-dependent diabetes mellitus. Akgün S, et al. **Diabetes Care** 1982 Jul-Aug;4(4):464–7
A modified procedure for calibration of Dextrometer. Bernstein RK. **Diabetes Care** 1981 May-Jun;4(3):424–6
Self-monitoring of blood glucose without a meter. Birch K, et al. **Diabetes Care** 1981 May-Jun;4(3):414–6
Chylomicronemia syndrome in diabetes mellitus. Chait A, et al. **Diabetes Care** 1981 May-Jun;4(3):343–8
Comparison of various methods for rapid glucose estimation. Clements RS Jr, et al. **Diabetes Care** 1981 May-Jun; 4(3):392–5
Glucose intolerance and aging. DeFronzo RA. **Diabetes Care** 1982 Jul-Aug;4(4):493–501 (75 ref.)
Plasma lipids and microangiopathy in insulin-dependent diabetes mellitus. Eckel RH, et al. **Diabetes Care** 1982 Jul-Aug;4(4):447–53
Algorithms for home monitoring [letter] Guthrow CE. **Diabetes Care** 1982 Jul-Aug;4(4):505–6
Comparison of blood glucose testing using reagent strips with and without a meter (Chemstrips bG and Dextrostix/Dextrometer). Kubilis P, et al. **Diabetes Care** 1981 May-Jun;4(3):417–9
Hemoglobin A1 properties of diabetic and uremic patients. Oimomi M, et al. **Diabetes Care** 1982 Jul-Aug;4(4):484–6
Comparison of methods for blood glucose monitoring. Reeves ML, et al. **Diabetes Care** 1981 May-Jun;4(3):404–6
Recovery from decompensated non-insulin-dependent diabetes mellitus: studies of C-peptide secretion. Rendell M, et al. **Diabetes Care** 1981 May-Jun;4(3):354–9
Intravenous home blood glucose monitoring. Schade DS, et al. **Diabetes Care** 1981 May-Jun;4(3):420–3
A comparison of accuracy and estimated cost of methods for home blood glucose monitoring. Shapiro B, et al. **Diabetes Care** 1981 May-Jun;4(3):396–403
A comparison study of blood glucose test strips. Worth RC, et al. **Diabetes Care** 1981 May-Jun;4(3):407–11
Analysis of short-term changes in reversibly and irreversibly glycosylated haemoglobin AI: relevance to diabetes mellitus. Bolli G, et al. **Diabetologia** 1981 Jul;21(1):70–2
Properdin factor B in black type 1 (insulin-dependent) diabetic patients. Budowle B, et al. **Diabetologia** 1982 Jun; 22(6):483–5
The mean red cell volume in diabetes mellitus. Davidson RJL, et al. **Diabetologia** 1981 May;20(5):583–4
Aspects of non-enzymatic glycosylation of serum proteins in relation to different glucose loads [letter] Gragnoli G, et al. **Diabetologia** 1982 Jun;22(6):495–6
Changes of platelet phospholipids in diabetes mellitus. Kalofoutis A, et al. **Diabetologia** 1981 Dec;21(6):540–3
Impaired erythrocyte doublet formation in diabetes. McMillan DE, et al. **Diabetologia** 1981 Dec;21(6):575–8
Effect of strict blood glucose control on residual B-cell function in insulin-dependent diabetics. Madsbad S, et al. **Diabetologia** 1981 May;20(5):530–4
Diurnal profiles of plasma magnesium and blood glucose in diabetes. Mather HM, et al. **Diabetologia** 1982 Mar; 22(3):180–3
Plasma non-esterified fatty acid levels and atherogenesis in diabetes mellitus [letter] Mikhailidis DP, et al. **Diabetologia** 1981 Nov;21(5):499–500
Is diabetes responsible for an increase of the mean red cell volume? [letter] Papoz L, et al. **Diabetologia** 1981 Oct; 21(4):427
Effect of acute hyperglycaemia on plasma potassium and aldosterone levels in type 2 (non-insulin-dependent) diabetes. Rosenstock J, et al. **Diabetologia** 1982 Mar; 22(3):184–7
Effect of diabetic control on the level of circulating thyroid hormones. Schlienger JL, et al. **Diabetologia** 1982 Jun; 22(6):486–8
Apolipoprotein C in type 2 (non-insulin-dependent) diabetic patients with hypertriglyceridaemia. Stalenhoef AF, et al. **Diabetologia** 1982 Jun;22(6):489–91
Effects of calcium and calcitonin on circulating levels of glucagon and glucose in diabetes mellitus. Starke A, et al. **Diabetologia** 1981 May;20(5):547–52
The Measurement of Haemoglobin A1c by isoelectric focussing in diabetic patients. Stickland MH, et al. **Diabetologia** 1982 May;22(5):315–7
High-density lipoprotein cholesterol and apolipoprotein A-I levels at diagnosis in patients with non-insulin dependent diabetes. Taylor KG, et al. **Diabetologia** 1981 May; 20(5):535–9
Branched-chain amino acids and alanine as indices of the metabolic control in type 1 (insulin-dependent) and type 2 (non-insulin-dependent) diabetic patients. Vannini P, et al. **Diabetologia** 1982 Mar;22(3):217–9
Glycosylated hemoglobins and diabetic control assessment. Torre MS, et al. **Drug Intell Clin Pharm** 1981 Mar; 15(3):175–9
Insulin binding of erythrocytes in hypoinsulinemic diabetics and its relationship to metabolic states. Oka Y, et al. **Endocrinol Jpn** 1981 Oct;28(5):615–22
Insulin binding to erythrocytes in diabetic patients. Okamoto M, et al. **Endocrinol Jpn** 1981 Apr;28(2):169–73
Platelet function in diabetes mellitus in relationship to complications, glycosylated haemoglobin and serum lipoproteins. Betteridge DJ, et al. **Eur J Clin Invest** 1981 Aug;11(4):273–7
Plasma tryptophan in humans with diabetic and senile cataracts. Cotlier E, et al. **Exp Eye Res** 1981 Sep; 33(3):247–52
Non-enzymatic glycosylation of human serum lipoproteins. Elevated epsilon-lysine glycosylated low density lipoprotein in diabetic patients. Schleicher E, et al. **FEBS Lett** 1981 Jun 29;129(1):1–4
Determination of cholesterol and phospholipids of HDL2, HDL3 and VHDL in patients with atherosclerosis and diabetes mellitus. Kajiyama G, et al. **Hiroshima J Med Sci** 1981 Sep;30(3):175–82
Exaggerated glucagon secretion in diabetic and non-diabetic subjects with surgical porto-caval anastomosis. Fallucca F, et al. **Horm Metab Res** 1981 Oct;13(10):545–7
Minor hemoglobin components in diabetic and uremic patients. Lantz B, et al. **Horm Metab Res** 1981 Dec; 13(12):660–4
Calcium-antagonistic effects on glucose response to glucagon in patients with non insulin-dependent diabetes mellitus and in normoglycemic subjects. Röjdmark S, et al. **Horm Metab Res** 1981 Dec;13(12):664–7
Erythrocyte concentration of glycolytic phosphorylated intermediates and adenosine nucleotides in subjects with diabetes mellitus. Scionti L, et al. **Horm Metab Res** 1982 May;14(5):233–6
Lack of a 'big plasma glucagon' response during arginine stimulation of glucagon secretion. von Schenck H, et al. **Horm Metab Res** 1982 Feb;14(2):69–71
Beta-thromboglobulin in diabetes: relationships with blood glucose and fibrinopeptide A. Burrows AW. **Horm Metab Res [Suppl]** 1981;11:22–5
Increased platelet prostaglandin and thromboxane synthesis in diabetes mellitus. Halushka PV, et al. **Horm Metab Res [Suppl]** 1981;11:7–11
Erythrocyte membrane microviscosity in diabetes. Otsuji S, et al. **Horm Metab Res [Suppl]** 1981;11:97–102
Quantitative investigation of nonenzymatic glucosylation of erythrocyte membrane from normal and diabetic persons. Schleicher E, et al. **Horm Metab Res [Suppl]** 1981;11:95–7
Platelet aggregation in diabetic retinopathy. Khosla PK, et al. **Indian J Ophthalmol** 1981 OCT;29(3):277–82
The effect of pyridoxine-alpha-ketoglutarate (PAK) on exercise-induced increase of blood lactate in patients with type 1 diabetes. Dall'Aglio E, et al. **Int J Clin Pharmacol Ther Toxicol** 1982 Mar;20(3):147–50
Home monitoring of diabetes: a comparison of four field methods for analysing glucose levels. Baumgart R, et al. **Ir Med J** 1981 Nov;74(11):319–20
A study of serum zinc in uncontrolled diabetics. Khandelwal PD, et al. **J Assoc Physicians India** 1981 Sep;29(9):715–9
Plasma glycoproteins in diabetes. Viswanathan M, et al. **J Assoc Physicians India** 1981 Sep;29(9):711–3
Reduced levels of plasma 1,5-anhydroglucitol in diabetic patients. Akanuma H, et al. **J Biochem (Tokyo)** 1981 Jul; 90(1):157–62
Stimulatory effects of tolbutamide infusion on plasma glucagon in insulin-dependent diabetic subjects. Bohannon NV, et al. **J Clin Endocrinol Metab** 1982 Feb;54(2):459–62
Plasma epinephrine disturbances in diabetic subjects during standing and after isometric exercise. Gustafson AB, et al. **J Clin Endocrinol Metab** 1981 Oct;53(4):759–63
Endogenous opiates modulate insulin secretion in flushing noninsulin-dependent diabetics. Mason JS, et al. **J Clin Endocrinol Metab** 1982 Apr;54(4):693–7
Sorbitol accumulation in human normal and diabetic platelets. O'Malley BC, et al. **J Fla Med Assoc** 1982 Jun;69(6):460–2
Clinical use of glycosylated hemoglobin. Wentworth SM, et al. **J Indiana State Med Assoc** 1981 Sep;74(9):574–8
Partial purification and studies of the plasma co-factor that potentiates platelet aggregation in diabetes mellitus. Levin RD, et al. **J Lab Clin Med** 1981 Oct;98(4):519–26
Use of the glycosylated hemoglobin (HbA1c) test to monitor diabetic control. Jones TC. **J Med Assoc Ga** 1982 Mar; 71(3):173–5
Blood lactate and pyruvate levels in diabetic patient treated with sulphonylureas with and without biguanides. Sitprija S, et al. **J Med Assoc Thai** 1982 Feb;65(2):63–71
The distribution of fasting plasma glucose in a rural population: The Oklahoma lipid research clinic program. Sharma IJ, et al. **J Okla State Med Assoc** 1982 Apr; 75(4):89–96
Factors affecting glycosylated hemoglobin in diabetic children [letter] Dorchy H, et al. **J Pediatr** 1982 Jul; 101(1):160
Home blood glucose levels, glycosylated haemoglobin and serum C-peptide levels in diabetics receiving different insulin regimens. Paisey RB, et al. **J R Coll Physicians Lond** 1982 Apr;16(2):108–12
Hyperkalemia in diabetes mellitus. Graber AL. **J Tenn Med Assoc** 1982 Feb;75(2):128–9
Plasma renin and aldosterone in adult-onset diabetics with persistent proteinuria. Sugiyama H, et al. **Jpn J Med** 1981 Jul;20(3):194–201
Relationship between thiamine and glucose levels in diabetes mellitus. Hobara R, et al. **Jpn J Pharmacol** 1981 Dec; 31(6):1098–100
Responsiveness of plasma renin and aldosterone in diabetes mellitus. Beretta-Piccoli C, et al. **Kidney Int** 1981 Aug; 20(2):259–66
Total plasma clearance of infused norepinephrine in non-azotemic diabetes mellitus. Beretta-Piccoli C, et al. **Klin Wochenschr** 1982 Jun 1;60(11):555–60
Effect of treatment of the concentration of lipoproteins and the postheparin-lipolytic activity in the plasma of noninsulin-dependent diabetics. Breier C, et al. **Klin Wochenschr** 1982 Jun 1;60(11):551–4
Uric acid and diabetes: observations in a population study. Herman JB, et al. **Lancet** 1982 Jul 31;2(8292):240–3
Abnormalities of erythrocyte deformability and platelet aggregation in insulin-dependent diabetics corrected by insulin in vivo and in vitro. Juhan I, et al. **Lancet** 1982 Mar 6;1(8271):535–7
A new test of peripheral insulin sensitivity in vivo using artificial beta cell. Valenta LJ, et al. **Life Sci** 1982 Mar 8;30(10):867–73
One minute with diabetes. **Md State Med J** 1982 Apr;31(4):11
One minute with diabetes. DeLawter DE. **Md State Med J** 1981 Nov;30(11):12
On the causation of diabetes mellitus (effect of saliva on blood glucose levels in oral glucose tolerance tests). Malhotra SL. **Med Hypotheses** 1982 Mar;8(3):311–8
Cigarette smoking as a risk factor for atherosclerosis. Study of the biologic changes consecutive to smoking in normals, in patients with coronary heart disease and in diabetics. Bornemisza P, et al. **Med Interne** 1981 Jul-Sep;19(3):251–8
The deficiency of N-acetyl-beta-glucosaminidase in the neutrophils of patients with diabetes mellitus. Palimaka W, et al. **Med Interne** 1981 Jul-Sep;19(3):277–82
Home glucose monitoring [letter] Colagiuri S. **Med J Aust** 1981 Oct 3;2(7):316
Glycosylated hemoglobin and its temporal relationship to plasma glucose in non-insulin dependent (type 2) diabetes mellitus. Borsey DQ, et al. **Metabolism** 1982 Apr; 31(4):362–5
Platelet adhesion and aggregation in diabetes mellitus. Colwell JA, et al. **Metabolism** 1979 Apr;28(4 Suppl 1):394–400
Hemoglobin AIc and red cell oxygen release capacity in relation to early retinal changes in newly discovered overt and chemical diabetics. Ditzel J, et al. **Metabolism** 1979 Apr;28(4 Suppl 1):440–7
Direct animal and indirect human evidence of altered platelet function in diabetics. Hockaday TD. **Metabolism** 1979 Apr; 28(4 Suppl 1):415–22
Further observations on serum viscosity changes in diabetes mellitus. McMillan DE. **Metabolism** 1982 Mar;31(3):274–8
Increased adhesion of erythrocytes to endothelial cells in diabetes mellitus [letter] Sunday ME. **N Engl J Med** 1981 Nov 26;305(22):1350–1
Diabetic home blood glucose monitoring using a direct reading glucose sensitive test strip. Baker JR, et al. **NZ Med J** 1981 Oct 14;94(693):252–4
Glycosylated haemoglobin: an overview of a series of clinical studies. Jury DR, et al. **NZ Med J** 1982 Feb 24; 95(702):105–9
Effect of glucose on plasma concentrations of individual non-esterified fatty acids of non-diabetic and

insulin-independent diabetic men. Yue KT, et al. **Postgrad Med J** 1981 Oct;57(672):622–6

Effect of acetylsalicylic acid on blood glucose and glucose regulatory hormones in mild diabetes. Seino Y, et al. **Prostaglandins Leukotrienes Med** 1982 Jan;8(1):49–53

Refractoriness of diabetic platelets to inhibitory prostaglandins. Lagarde M, et al. **Prostaglandins Med** 1981 Oct;7(4):341–7

Fibrin (ogen) polymerization curve (FPC) in patients with 'diabetes mellitus'. Cordova C, et al. **Quad Sclavo Diagn** 1981 Sep;17(3):356–62

Short term changes of glycosylated haemoglobins during glucose administration in healthy and diabetic subjects. Goebel FD, et al. **Res Exp Med (Berl)** 1981;179(2):133–40

The effect of oral hypoglycemic agents on the lipid levels in non-insulin-dependent diabetes in the young [letter] Jialal I, et al. **S Afr Med J** 1982 Sep 4;62(11):348–9

Cholesterol, triglyceride and high-density lipoprotein cholesterol levels in non-insulin-dependent diabetes in the young. Jialal I, et al. **S Afr Med J** 1982 Mar 13;61(11):393–5

Haemoglobin A1C levels in Black and Indian insulin-dependent diabetic patients of poor socio-economic status. Omar MA, et al. **S Afr Med J** 1982 Feb 6;61(6):190–2

Red cell filterability in diabetes. Isogai Y, et al. **Scand J Clin Lab Invest [Suppl]** 1981;156:171–3

Effects of insulin on erythrocyte deformability in diabetics--relationship between erythrocyte deformability and platelet aggregation. Juhan I, et al. **Scand J Clin Lab Invest [Suppl]** 1981;156:159–64

Red cell filterability and metabolic state in diabetic subjects with macro-angiopathy. Le Devehat C, et al. **Scand J Clin Lab Invest [Suppl]** 1981;156:155–8

Filterability and vascular disease--I. Red cell filterability in diabetes mellitus: its relation to other methods of measuring deformability and to blood viscosity. Oughton J, et al. **Scand J Clin Lab Invest [Suppl]** 1981;156:151–4

Red blood cell filterability in non-diabetic patients with chronic occlusive arterial disease. Ridet JM, et al. **Scand J Clin Lab Invest [Suppl]** 1981;156:189–91

Glycosylated hemoglobin (HbA1) in normal subjects and diabetic patients. Tai TY, et al. **Taiwan I Hsueh Hui Tsa Chih** 1981 Apr;80(4):394–405

Possible evidence for an increased factor VIII antigen synthesis in vascular endothelium of diabetic subjects [letter] Giustolisi R, et al. **Thromb Haemost** 1982 Jun 28; 47(3):293

Enhanced antithrombotic mechanisms in patients with maturity-onset diabetes mellitus without thromboembolic complications. Grignani G, et al. **Thromb Haemost** 1981 Oct;46(3):648–51

Platelet adhesiveness in juvenile onset and maturity onset diabetes mellitus [letter] Sharma SC. **Thromb Haemost** 1981 Jun 30;45(3):297

Fibrinogen binding and ADP-induced aggregation in platelets from diabetic subjects. Veet H, et al. **Thromb Res** 1981 Oct 1–15;24(1–2):143–50

Inverse relationship between ristocetin co-factor levels and platelet aggregation in insulin dependent diabetes. Porta M, et al. **Thromb Res** 1982 Mar 15;25(6):507–12

Insulin response to glucagon with or without tolbutamide in normal and diabetic subjects. Chiba M, et al. **Tohoku J Exp Med** 1982 Feb;136(2):169–75

Platelet aggregation and plasma levels of beta-thromboglobulin in diabetes mellitus. Yamada K, et al. **Tohoku J Exp Med** 1981 Dec;135(4):423–9

Serum lipids in Nigerians: the effect of diabetes mellitus. Onyemelukwe GC, et al. **Trop Geogr Med** 1981 Dec; 33(4):323–8

Has the time come to bridge the gap between basic and clinical research in the field of diabetes? Bergengren H. **Ups J Med Sci** 1981;86(2):219–23

Hemorheology and diabetes mellitus. Stoltz JF, et al. **Verh Dtsch Ges Inn Med** 1981;87:1302–12

[A preliminary study of the change of plasma sex hormones in male diabetics and its clinical significance (author's transl)] Chen MD. **Chung Hua Nei Ko Tsa Chih** 1982 Feb; 21(2):67–71 **(Chi)**

[Plasma C-peptide concentration in normal and different types of diabetic subjects (author's transl)] Lu ZL. **Chung Hua Nei Ko Tsa Chih** 1981 Aug;20(8):471–4 **(Chi)**

[The preliminary study on the relationship between HbAI and diabetic control (author's transl)] Xiang HD. **Chung Hua Nei Ko Tsa Chih** 1981 Oct;20(10):619–21 **(Chi)**

[Favorable effect of hypercalcemia on glucose utilization in diabetes mellitus] Blahoš J, et al. **Vnitr Lek** 1981 Nov; 27(11):1105–9 (Eng. Abstr.) **(Cze)**

[Determination of glycosylated hemoglobin in diabetics] Janíková V, et al. **Vnitr Lek** 1982 Mar;28(3):274–7 **(Cze)**

[Glycosylated hemoglobin and diabetes mellitus. Clinical application?] Kjaergaard JJ, et al. **Ugeskr Laeger** 1981 Dec 7;143(50):3367–70 (Eng. Abstr.) **(Dan)**

[Brittle diabetes] Terpstra J. **Ned Tijdschr Geneeskd** 1981 Nov 21;125(47):1924–9 **(Dut)**

[Clinical applications of insulin receptor on red cells] De Pirro R, et al. **Journ Annu Diabetol Hotel Dieu** 1982;:35–43 **(Fre)**

[Clinical usefulness of the determination of erythrocyte insulin receptors] Grigorescu F, et al. **Journ Annu Diabetol Hotel Dieu** 1982;:31–4 **(Fre)**

[Erythrocyte receptors of insulin] Thomopoulos P, et al. **Journ Annu Diabetol Hotel Dieu** 1982;:19–30 **(Fre)**

[Different types of insulin-secretion in diabetes mellitus in man] Ellorhaoui M, et al. **Maroc Med** 1981 Mar;3(1):515–25 (Eng. Abstr.) **(Fre)**

[Non-ketotic hyperglycaemic coma with diabetic lipaemia and hyponatraemia (author's transl)] Brun-Buisson C, et al. **Nouv Presse Med** 1981 Nov 7;10(40):3307–9 (Eng. Abstr.) **(Fre)**

[Is glycosylated haemoglobin subject to rapid variations? Changes in insulin-dependent diabetic patients under a 24-hour artificial pancreas treatment (author's transl)] Van Halle B, et al. **Nouv Presse Med** 1981 Dec 26; 10(47):3839–40 (Eng. Abstr.) **(Fre)**

[Measurement of platelet volume: methodologic approach and application in diabetes] Facquet-Danis J, et al. **Nouv Rev Fr Hematol** 1982;24(2):69–73 (Eng. Abstr.) **(Fre)**

[Exercise and postexercise ketosis in normal and diabetic men (author's transl)] Balasse EO, et al. **Rev Med Brux** 1981 Apr;2(4):393–7 (Eng. Abstr.) **(Fre)**

[Role of glucagon in diabetes (author's transl)] Lefebvre P, et al. **Rev Med Brux** 1981 Apr;2(4):385–7 (Eng. Abstr.) **(Fre)**

[Coagulant activity of platelets in obesity, dyslipidemias and diabetes] Jouve R, et al. **Rev Med Interne** 1982 Mar; 3(1):37–42 (Eng. Abstr.) **(Fre)**

[Serum beta 2 microglobulin assay in diabetes mellitus (author's transl)] Schlienger JL, et al. **Sem Hop Paris** 1982 Apr 22;58(16):959–62 (Eng. Abstr.) **(Fre)**

[The influence of clofibrate on glucose metabolism in diabetes mellitus without endogenous hypertriglyceridemia (author's transl)] Vogelberg KH, et al. **Arzneimittelforsch** 1982;32(4):413–6 (Eng. Abstr.) **(Ger)**

[Self-control of blood sugar (author's transl)] Willms B, et al. **Dtsch Med Wochenschr** 1982 Feb 26;107(8):290–3 (Eng. Abstr.) **(Ger)**

[Determination of HbA 1 improves the diagnosis and control of the course of diabetes mellitus] Henrichs HR, et al. **Med Klin** 1981 Aug 14;76(17):471–5 (10 ref.) **(Ger)**

[Which method of determining hemoglobin A1 is suitable for long-term control of diabetes: microcolumn chromatography or a colorimetric method?] Sonnenberg GE, et al. **Med Welt** 1981 Aug 14;32(32–33):1212–3 **(Ger)**

[Erythrocyte abnormalities in diabetes mellitus] Ernst E. **MMW** 1982 May 14;124(19):473–4 **(Ger)**

[Disorders of glucose metabolism and manifestation of diabetes during treatment of endogenous hypertriglyceridemias (author's transl)] Vogelberg KH, et al. **MMW** 1981 Nov 27;123(48):1862–6 (Eng. Abstr.) **(Ger)**

[Effect of metabolism and accompanying diseases on the characteristics of blood flow in diabetics] Volger E. **Verh Dtsch Ges Inn Med** 1981;87:1312–20 **(Ger)**

[Hepatitis B among Israeli diabetics] Hakim M, et al. **Harefuah** 1981 Sep;101(5–6):99–102 (Eng. Abstr.) **(Heb)**

[Hemoglobin A lc in diabetes mellitus, with special reference to chronic complications] Kammerer L, et al. **Orv Hetil** 1981 Jun 28;122(26):1573–5 **(Hun)**

[Reactive SH-groups in clinical practice. Methodological notes] Ferraccioli GF, et al. **Acta Biomed Ateneo Parmense** 1981;52(5):171–7 (Eng. Abstr.) **(Ita)**

[In vivo effects of rapid glycemic variations on HbA1c] Frascatore S, et al. **Boll Soc Ital Biol Sper** 1981 Sep 15; 57(17):1759–65 (Eng. Abstr.) **(Ita)**

[Platelet aggregation in diabetes mellitus] Giansante C, et al. **Clin Ter** 1981 Apr 15;97(1):3–16 (Eng. Abstr.) **(Ita)**

[Correlations between hemoglobin A1 and other metabolic and clinical parameters in insulin-dependent diabetics followed in ambulatory care] Moratti F, et al. **Minerva Med** 1982 Sep 15;73(35):2269–73 (Eng. Abstr.) **(Ita)**

[Platelet function in relation to age and diabetic disease] Pernigotti L, et al. **Minerva Med** 1981 Sep 19;72(34):2261–4 **(Ita)**

[Hemoglobin A1c in the aged diabetic. Preliminary studies] Tammaro AE, et al. **Minerva Med** 1981 Nov 24; 72(47):3217–20 **(Ita)**

[Personal experience and critical evaluations of determination of glycosylated hemoglobin in children with diabetes mellitus] Sposito M, et al. **Pediatr Med Chir** 1981 Jan-Feb; 3(1):33–6 (Eng. Abstr.) **(Ita)**

[Chromium and diabetes. Relationships to serum levels of cholesterol, triglycerides and lipoproteins] Vecchi C, et al. **Quad Sclavo Diagn** 1981 Mar;17(1):49–53 (Eng. Abstr.) **(Ita)**

[Receptor binding ability and biological activity of structurally abnormal human insulins (author's transl)] Kobayashi M, et al. **Horumon To Rinsho** 1981 Sep; 29(9):1057–60 **(Jpn)**

[Hemoglobin A1 an an indicator of the metabolic control in maturity-onset diabetics (author's transl)] Nakashima Y, et al. **Horumon To Rinsho** 1981 Apr;29(4):447–50 **(Jpn)**

[Clinical evaluation of C peptide kit 'Shionogi (6951-s)' with special reference to the patients of diabetes mellitus (author's transl)] Odagiri R, et al. **Horumon To Rinsho** 1981 Mar;29(3):355–63 **(Jpn)**

[Glycosylated hemoglobin concentration in diabetes mellitus and hyperthyroidism (author's transl)] Origasa T, et al. **Horumon To Rinsho** 1981 Apr;29(4):451–5 **(Jpn)**

[Effect of beta-adrenergic blocking agent (alprenolol) (author's transl)] Takakuwa H. **Horumon To Rinsho** 1982 Apr;30(4):367–71 **(Jpn)**

[Studies on the mechanism for suppression of plasma renin activity in diabetes mellitus (author's transl)] Yokokawa T, et al. **Nippon Jinzo Gakkai Shi** 1981 Oct;23(10):1335–43 (Eng. Abstr.) **(Jpn)**

[Clinical significance of glycosylated Hb] Nakagawa S, et al. **Nippon Rinsho** 1982 Feb;40(2):342–7 (30 ref.) **(Jpn)**

[Lipoproteins and apoplexia: in relation to diabetes mellitus (author's transl)] Itakura H. **Nippon Ronen Igakkai Zasshi** 1981 May;18(3):1e0-3 **(Jpn)**

[Abnormal platelet function in diabetes mellitus (author's transl)] Kitazawa A. **Nippon Ronen Igakkai Zasshi** 1982 Mar;19(2):175–82 (Eng. Abstr.) **(Jpn)**

[Glycosylated hemoglobins and diabetes mellitus] Inada M. **Rinsho Byori** 1981 Jun;(46 Suppl):108–17 **(Jpn)**

[Plasma HDL-cholesterol concentration in diabetics (author's transl)] Ueda Y. **Rinsho Byori** 1981 Nov; 29(11):1085–9 **(Jpn)**

[On the vitamin E metabolism of diabetic patients (author's transl)] Yasuda K, et al. **Rinsho Byori** 1981 Jun;29(6):586–89 **(Jpn)**

[Studies on platelets in diabetic patients. Part 2: Compositional changes of lipid in hyper-aggregation platelets (author's transl)] Hiramatsu K, et al. **Rinsho Ketsueki** 1981 Jun;22(6):849–54 (Eng. Abstr.) **(Jpn)**

[Studies on platelets in diabetic patients. Part 1: Platelet aggregation, volume and microviscosity in diabetes mellitus treated with diet, antidiabetic agent and insulin (author's transl)] Hiramatsu K, et al. **Rinsho Ketsueki** 1981 Jun; 22(6):844–8 (Eng. Abstr.) **(Jpn)**

[Glycosylated hemoglobin (Hb.A) and diabetes mellitus] Aasen G, et al. **Tidsskr Nor Laegeforen** 1981 Jun 10; 101(16):1002–5 (Eng. Abstr.) **(Nor)**

[Glycosylated hemoglobins - a new aid in the control of diabetes? Experiences from a county hospital] Smith P, et al. **Tidsskr Nor Laegeforen** 1981 Nov 30;101(33):1888–91 (Eng. Abstr.) **(Nor)**

[Acid and alkaline phosphatase activity in the peripheral blood neutrophils in diabetes mellitus] Palimąka W, et al. **Endokrynol Pol** 1981 Jul-Aug;32(4):333–40 (Eng. Abstr.) **(Pol)**

[Neutrophil glucosaminidase deficiency in diabetes mellitus] Palimąka W, et al. **Pol Arch Med Wewn** 1981 Sep; 66(3):185–95 (Eng. Abstr.) **(Pol)**

[Changes in the phospholipid content of blood in diabetes mellitus before and after complex treatment at the Dzhermuk health resort] Badalian MG, et al. **Probl Endokrinol (Mosk)** 1981;27(6):12–7 (Eng. Abstr.) **(Rus)**

[Free amino acid spectrum and cathepsin activity in the blood serum of patients with diabetes mellitus combined with diffuse toxic goiter] Grigor'eva LP, et al. **Probl Endokrinol (Mosk)** 1982 May-Jun;28(3):13–6 (Eng. Abstr.) **(Rus)**

[Glucagon and insulin levels in diabetes mellitus patients] Kosilova ES, et al. **Probl Endokrinol (Mosk)** 1982 Jan-Feb; 28(1):3–6 (Eng. Abstr.) **(Rus)**

[Glycosylated hemoglobin (Hb A1c) content in latent diabetes patients] Andreeva AP, et al. **Sov Med** 1981; (10):30–3 (Eng. Abstr.) **(Rus)**

[Blood level of Sh-groups and their effect on biochemical processes in diabetic patients] Cheshchevik AB. **Ter Arkh** 1981;53(12):110–2 (Eng. Abstr.) **(Rus)**

[Oxygen transport system and tissue oxygenation at early stages of diabetes mellitus] Galenok VA, et al. **Ter Arkh** 1981;53(11):115–8 **(Rus)**

[Fibrinogen degradation products in diabetes mellitus] Bondar PN. **Vrach Delo** 1981 Oct;(10):80–1 **(Rus)**

[Clinical value of glycosylated hemoglobin level determination in patients with diabetes mellitus (author's transl)] Vozár J, et al. **Bratisl Lek Listy** 1982 Jan; 77(1):12–23 (Eng. Abstr.) **(Slo)**

[Blood sample dilution for measuring hyperglycemia using reagent strips] Frati-Munari AC, et al. **Gac Med Mex** 1982 Jan;118(1):24–7 **(Spa)**

[Incidence of clinical remission and residual beta function during early stages of diabetes mellitus type I (author's transl)] Peig M, et al. **Med Clin (Barc)** 1982 Feb 10; 78(3):81–3 (Eng. Abstr.) **(Spa)**

[Glycosylated hemoglobin (Hb A1) as a possible index of metabolic compensation in diabetes mellitus (author's transl)] Reynals E, et al. **Med Clin (Barc)** 1982 Mar 16; 78(6):218–20 (Eng. Abstr.) **(Spa)**

[2,3-DPG and diabetic microangiopathy] Faure Nogueras E, et al. **Rev Clin Esp** 1981 Nov 30;163(4):227–30 (Eng. Abstr.) **(Spa)**

[Hemostatic abnormalities in diabetes mellitus (author's transl)] Ruiz-Argüelles GJ, et al. **Rev Invest Clin** 1981 Oct-Dec;33(4):355–9 (Eng. Abstr.) **(Spa)**

[Hemoglobin A1 in the clinical control of diabetes mellitus (letter)] Davidoff P, et al. **Rev Med Chil** 1981 Oct; 109(10):983–5 **(Spa)**

[Glucose intolerance and diabetes (author's transl)] García H, et al. **Rev Med Chil** 1980 Dec;108(12):1125–9 (Eng. Abstr.) **(Spa)**

[Insulin levels in non-insulin dependent diabetics with secondary failure to oral hypoglycemic agents (author's transl)] Ruiz F, et al. **Rev Med Chil** 1981 Sep;109(9):821–4 (Eng. Abstr.) **(Spa)**

[Arachidonic acid metabolism and platelet function in diabetics (author's transl)] Amado Señaris JA, et al. **Sangre (Barc)** 1981;26(3):351–9 (81 ref.) (Eng. Abstr.) **(Spa)**

[Pathogenetic mechanisms of platelet hyperaggregation in diabetics (author's transl)] Amado Señars JA, et al. **Sangre (Barc)** 1981;26(4):409–16 (Eng. Abstr.) **(Spa)**

[Value of hemoglobin A1 determination in patients with type II diabetes mellitus registered at a treatment center] Bakall A, et al. **Lakartidningen** 1981 Sep 9;78(37):3129–30 **(Swe)**

CHEMICALLY INDUCED

Lithium diabetes and obesity. Crammer JL. **Agressologie** 1982 Feb;23(B):99–101

Affective disorders, diabetes mellitus and lithium. Russell JD, et al. **Aust NZ J Psychiatry** 1981 Dec;15(4):349–53 (53 ref.)

Racial differences in the incidence of steroid diabetes in renal transplant patients. Dumler F, et al. **Henry Ford Hosp Med J** 1982;30(1):14–16

Glucose intolerance and insulin resistance in aplastic anemia treated with oxymetholone. Woodard TL, et al. **J Clin Endocrinol Metab** 1981 Nov;53(5):905–8

Pancreatic islet ultrastructure, serum and pancreatic immunoreactive insulin in somatotrophic and metasomatotrophic diabetes in dogs. Campbell J, et al. **J Submicrosc Cytol** 1981 Oct;13(4):599–608

Diabetes mellitus associated with pentamidine mesylate [letter] Belehu A, et al. **Lancet** 1982 Jun 26;1(8287):1463–4

[Iatrogenic diabetes mellitus (side effects and interactions of drugs during clinical diabetes mellitus (author's transl)] Königstein RP. **Aktuel Gerontol** 1982 Jul;12(4):142–4 (Eng. Abstr.) **(Ger)**

[Diuretics, serum glucose and diabetes mellitus] Berchtold P, et al. **Dtsch Med Wochenschr** 1981 Dec 11; 106(50):1712–4 **(Ger)**

[Drug-induced abnormal sugar metabolism] Kumagai A, et al. **Nippon Rinsho** 1982 Feb;40(2):459–63 **(Jpn)**

[Transient diabetes mellitus induced by L-asparaginase in a patient with acute myeloblastic leukemia (author's transl)] Fujita K, et al. **Rinsho Ketsueki** 1981 May;22(5):668–72 (Eng. Abstr.) **(Jpn)**

CLASSIFICATION

Diabetes mellitus: new classification [letter] Kabadi UM. **Acta Diabetol Lat** 1982 Apr–Jun;19(2):189–90

Diabetes: new systems for classification and diagnosis. Khachadurian AK. **Geriatrics** 1982 Jan;37(1):111–5

Driving and diabetes [letter] Keen H. **Lancet** 1981 Nov 14; 2(8255):1114

Medical grand rounds: Diabetes mellitus: classification and new ideas about possible etiology. Day PW, et al. **W Va Med J** 1981 Jul;77(7):171–8

[Diagnostic criteria and classification of diabetes; new recommendations of the WHO committee] Pelkonen R, et al. **Duodecim** 1981;97(12):920–4 **(Fin)**

[Acceptance of new criteria for the diagnosis of diabetes mellitus and associated conditions] Belmonte MM, et al. **Union Med Can** 1981 Nov;110(11):971–5 (Eng. Abstr.) **(Fre)**

[Diabetes mellitus in children and adolescents] Heinze E. **Fortschr Med** 1981 Sep 17;99(35):1385–8 **(Ger)**

[Classification of diabetes mellitus and corresponding methods of management] Goto Y, et al. **Nippon Rinsho** 1982 Feb;40(2):363–8 **(Jpn)**

[Diabetes mellitus: classification, diagnosis and its standard] Kosaka K. **Nippon Rinsho** 1982 Feb;40(2):329–34 **(Jpn)**

[Pathogenetic classification of diabetes mellitus] Balabolkin MI. **Klin Med (Mosk)** 1981 Sep;59(9):21–4 **(Rus)**

[New classification for diabetes mellitus and other types of glucose intolerance] Pérez Comas A. **Bol Asoc Med PR** 1981 Nov;73(11):548–61 (Eng. Abstr.) **(Spa)**

COMPLICATIONS

Occurrence of diabetes mellitus in neurogenic diabetes insipidus. Aliberti G, et al. **Acta Diabetol Lat** 1981 Oct–Dec;18(4):335–7

Adult respiratory distress syndrome and diabetes. Hillerdal G, et al. **Acta Med Scand** 1982 May;211(3):221–3

A trial of metoprolol in hypertensive insulin-dependent diabetic patients. Kølendorf K, et al. **Acta Med Scand** 1982 May;211(3):175–8

Hand symptoms associated with diabetes mellitus. An investigation of 765 patients based on a questionnaire. Sturfelt G, et al. **Acta Med Scand** 1981;210(1–2):35–8

Ion probe analysis of discolored areas in the enamel of deciduous teeth. Norén JG, et al. **Acta Odontol Scand** 1981; 39(2):97–100

Prevention and treatment of ulcerations of the foot in unilaterally amputated diabetic patients. Larsen K, et al. **Acta Orthop Scand** 1982 Jun;53(3):481–5

Fatty changes in the liver: the relation to age, overweight and diabetes mellitus. Hornbøll P, et al. **Acta Pathol Microbiol Immunol Scand [A]** 1982 May; 90(3):199–205

Increased incidence and clinical correlation of persistently abnormal technetium pyrophosphate myocardial scintigrams following acute myocardial infarction in patients with diabetes mellitus. Nicod P, et al. **Am Heart J** 1982 May;103(5):822–9

Diabetes and the heart [letter] Sharaf El-deane MS, et al. **Am J Cardiol** 1982 Jun;49(8):2043–4

Granulomatous Torulopsis glabrata cholecystitis in a diabetic. Warren GH, et al. **Am J Clin Pathol** 1982 Sep;78(3):406–10

Plasma lipids and diabetes mellitus in an adult community. Barrett-Connor E, et al. **Am J Epidemiol** 1982 May; 115(5):657–63

Infection and diabetes: the case for glucose control. Rayfield EJ, et al. **Am J Med** 1982 Mar;72(3):439–50 (112 ref.)

Glucose intolerance and nine-year mortality in Japanese men in Hawaii. Yano K, et al. **Am J Med** 1982 Jan;72(1):71–80

Clinical and hormonal characteristics in women with anovulation and insulin-treated diabetes mellitus. Djursing H, et al. **Am J Obstet Gynecol** 1982 Aug 15;143(8):876–82

ECT and diabetes mellitus [letter] Jenike MA. **Am J Psychiatry** 1982 Jan;139(1):136

Effect of diabetes mellitus on distal lower extremity bypass. Gurri JA, et al. **Am Surg** 1982 Feb;48(2):75–6

Metoclopramide to treat gastroparesis due to diabetes mellitus: a double-blind, controlled trial. Snape WJ Jr, et al. **Ann Intern Med** 1982 Apr;96(4):444–6

Bilateral retinal branch vein occlusion. Mandel ER, et al. **Ann Ophthalmol** 1982 Apr;14(4):387, 390–1

Metabolic management in Menière's disease. Proctor B, et al. **Ann Otol Rhinol Laryngol** 1981 Nov–Dec;90(6 Pt 1):615–8

Extensive botryomycosis in a patient with diabetes and chronic active hepatitis. Leibowitz MR, et al. **Arch Dermatol** 1981 Nov;117(11):739–42

Failure of protective measures to prevent contrast media-induced renal failure [letter] Levitz CS, et al. **Arch Intern Med** 1982 Mar;142(3):642–3

Diabetic sexual dysfunction: a comparative study of 160 insulin treated diabetic men and women and an age-matched control group. Jensen SB. **Arch Sex Behav** 1981 Dec;10(6):493–504

Fatal Candida esophagitis in two diabetics after renal transplantation. Jones JM, et al. **Arch Surg** 1982 Apr; 117(4):499–501

Thick skin and stiff joints in insulin-dependent diabetes mellitus. Burton JL. **Br J Dermatol** 1982 Mar;106(3):369–71 (21 ref.)

The sexual problems of diabetic men. Fairburn C. **Br J Hosp Med** 1981 May;25(5):484, 487, 489–91 (77 ref.)

Psychiatric aspects of diabetes mellitus: diabetes and depression. **Br J Psychiatry** 1981 Aug;139:171–2

The clinical features of diabetic impotence: a preliminary study. Fairburn CG, et al. **Br J Psychiatry** 1982 May; 140:447–52

Medial arterial calcification and diabetic neuropathy. Edmonds ME, et al. **Br Med J [Clin Res]** 1982 Mar 27; 284(6320):928–30

Senile cataracts: evidence for acceleration by diabetes and deceleration by salicylate. Cotlier E. **Can J Ophthalmol** 1981 Jul;16(3):113–8

How multiple sclerosis is related to animal illness, stress and diabetes. Warren SA, et al. **Can Med Assoc J** 1982 Feb 15;126(4):377–82, 385

Nodular regenerative hyperplasia of the liver in a patient with diabetes mellitus. Thung SN, et al. **Cancer** 1982 Feb 1;49(3):543–6

Cyclophosphamide and diabetes. Henderson RG, et al. **Cancer Chemother Pharmacol** 1981;5(3):207

Diabetic cardiopathy. Dai RH, et al. **Chin Med J [Engl]** 1982 Jan;95(1):71–5

Diabetic complications. Pan XR, et al. **Chin Med J [Engl]** 1981 Jul;94(7):413–8

Hyponatremia and hyperkalemia in relation to hyperglycemia in insulin-treated diabetic out-patients. McNair P, et al. **Clin Chim Acta** 1982 Apr 8;120(2):243–50

Hypertension associated with diabetes mellitus, hypercalcaemic disorders, acromegaly and thyroid disease. Sowers JR, et al. **Clin Endocrinol Metab** 1981 Nov; 10(3):631–56 (120 ref.)

A hearing survey in diabetes mellitus. Gibbin KP, et al. **Clin Otolaryngol** 1981 Oct;6(5):345–50

Deafness and diabetes [editorial] Robin PE. **Clin Otolaryngol** 1981 Oct;6(5):309

Foot problems in the diabetic. Bessman AN. **Compr Ther** 1982 Jan;8(1):32–7

Surgery in the diabetic patient. Shuman CR. **Compr Ther** 1982 Jan;8(1):38–45

Physical training and cardiovascular disease in the diabetic. Ruderman NB, et al. **Curr Probl Clin Biochem** 1982; 11:166–70

Aldose reductase and the etiology of diabetic cataracts. Varma SD. **Curr Top Eye Res** 1980;3:91–155

Systemic contact dermatitis from Orinase and Diabinese in diabetics with para-amino hypersensitivity. Fisher AA. **Cutis** 1982 Jun;29(6):551, 556, 565 passim

Multiple Beau's lines. Sweren RJ, et al. **Cutis** 1982 Jan; 29(1):41–2

Hypoglycemic symptoms in insulin-dependent diabetics. A prospective study of the influence of beta-blockade. Blohmé G, et al. **Diabete Metab** 1981 Dec;7(4):235–8

Rapid identification of diabetic patients with essential hypertension sensitive to acebutolol. Passa P, et al. **Diabete Metab** 1981 Sep;7(3):155–9

Proceedings of a conference on diabetes and atherosclerosis. March 2–6, 1981, Santa Ynez, California. **Diabetes** 1981; 30(Suppl 2):1–110

Diabetic hypertriglyceridemia: evidence for three clinical syndromes. Reaven GM, et al. **Diabetes** 1981;30(Suppl 2):66–75

Correction of exercise-induced microalbuminuria in insulin-dependent diabetics after 3 weeks of subcutaneous insulin infusion. Viberti G, et al. **Diabetes** 1981 Oct; 30(10):818–23

Improving survival after renal transplantation for diabetic patients with severe coronary artery disease. D'Elia JA, et al. **Diabetes Care** 1981 May–Jun;4(3):380–2

Study of educational deficits as the cause of hospital admission for diabetes mellitus in a community hospital. Geller J, et al. **Diabetes Care** 1982 Jul–Aug;4(4):487–9

Severely uncontrolled diabetes in the over-fifties. Gale EA, et al. **Diabetologia** 1981 Jul;21(1):25–8

Xeroradiography of the diabetic foot. Popmyhailova H, et al. **Endocrinologie** 1981 Oct–Dec;19(4):249–51

Reversal of glucose-induced hyperkalemia by sodium restriction in 'normaldosteronemic' diabetes mellitus. Radó JP. **Endokrinologie** 1981 Dec;78(2–3):244–52

Glucose-induced hyperkalemia in normaldosteronemic diabetes associated with hyperthyroidism. Radó JP. **Endokrinologie** 1981 Dec;78(2–3):239–43

Treatment of the diabetic foot with exposed os calcis. Jacobs RL, et al. **Foot Ankle** 1980 Nov;1(3):173–8

Diabetes mellitus and hypopituitarism. Laidler P, et al. **Forensic Sci Int** 1981 Sep–Oct;18(2):169–74

Diabetes: diagnostic and therapeutic significance of taste impairment. Abbasi AA. **Geriatrics** 1981 Dec;36(12):73–8

Hyperlipidemia – a diabetic emergency. Saudek CD. **Geriatrics** 1982 Feb;37(2):81–9

Fibrinolytic guidelines in diabetes. Sharma GV, et al. **Geriatrics** 1982 Apr;37(4):38–42, 46

Diabetic emergencies and how to handle them. Sivaprasad R, et al. **Geriatrics** 1981 Nov;36(11):34–9

Hypercholesterolemia in diabetics with clinically unrecognised primary thyroid failure. Gray RS, et al. **Horm Metab Res** 1981 Sep;13(9):508–10

Glucose tolerance in pulmonary tuberculosis. Seth SC, et al. **Horm Metab Res** 1982 Jan;14(1):50

24-Hour studies of prolactin and growth hormone levels in diabetic impotence. Maneschi F, et al. **Horm Res** 1981; 14(2):79–86

Lethargy, anxiety, and impotence in a diabetic. Cobbs LW. **Hosp Pract** 1982 Aug;17(8):67, 70, 73

Lens aldose reductase in diabetic and galactosemic cataracts. Parmar NS, et al. **Indian J Physiol Pharmacol** 1981 Jul–Sep; 25(3):193–200 (34 ref.)

Urological aspects of diabetes. Manning NT, et al. **Int Rehabil Med** 1982;4(1):52–4

Hyperaldosteronism in ketoacidosis and in poorly controlled non-ketotic diabetes. Quigley C, et al. **Ir J Med Sci** 1982 May;151(5):135–9

Calcifying panniculitis associated with renal failure. A case of Selye's calciphylaxis in man. Richens G, et al. **J Am Acad Dermatol** 1982 Apr;6(4 Pt 1):537–9

Synthetic skin. A new adjunct in the treatment of diabetic ulcers. Cangialosi CP. **J Am Podiatry Assoc** 1982 Jan; 72(1):48–52

Glycohemoglobin and its relationship to diabetic ulcers. Croft BT, et al. **J Am Podiatry Assoc** 1982 Apr;72(4):176–9

Emphysematous cellulitis in diabetes. Drago JJ, et al. **J Am Podiatry Assoc** 1982 Apr;72(4):200–3

Diabetes mellitus: impaired wound healing from zinc deficiency. Engel ED, et al. **J Am Podiatry Assoc** 1981 Oct;71(10):536–44

Considerations in the determination of the amputation level of the diabetic foot. Johnson RM. **J Am Podiatry Assoc** 1982 Apr;72(4):192–4

Treatment of resistant ulcers on the plantar surface of the great toe in diabetics. Downs DM, et al. **J Bone Joint Surg [Am]** 1982 Jul;64(6):930–3

Subsequent cancer risk in the incidence cohort of Rochester, Minnesota, residents with diabetes mellitus. Ragozzino M, et al. **J Chronic Dis** 1982;35(1):13–9

Isolated adrenocorticotropin deficiency associated with polyglandular failure. Kojima I, et al. **J Clin Endocrinol Metab** 1982 Jan;54(1):182–6

Diabetic wound healing and the case for supplemental treatment with topical insulin. Glasser J, et al. **J Foot Surg** 1982 Summer;21(2):117–21 (25 ref.)

Diabetic autonomic neuropathy in the surgical management of the diabetic foot. Schustek S, et al. **J Foot Surg** 1982 Spring;21(1):16–22

Diabetes mellitus: new approaches to complications. Maxwell DR, et al. **J Indiana State Med Assoc** 1982 Mar;75(3):184–6

The incidence of diabetes mellitus in superficial dermatomycosis. Phuvichit B, et al. **J Med Assoc Thai** 1981 Oct;64(10):506–9

Scintigraphic evaluation of diabetic osteomyelitis: concise communication. Park HM, et al. **J Nucl Med** 1982 Jul; 23(7):569–73

Juvenile rheumatoid arthritis in children with diabetes mellitus. Rudolf MC, et al. **J Pediatr** 1981 Oct;99(4):519–24

Avoiding diabetic disabilities without loss of freedom. Fletcher CM. **J R Coll Physicians Lond** 1982 Apr; 16(2):78–9

Lack of association between rheumatoid arthritis and type 1 (insulin dependent) diabetes [letter] Rudge S, et al. **J Rheumatol** 1982 Mar–Apr;9(2):343–4

Fatty liver in diabetes mellitus. **J Tenn Med Assoc** 1981 Jul; 74(7):514–5

Diabetes Clinical Care Conference. Hyperlipoproteinemia in diabetes. **J Tenn Med Assoc** 1981 Sep;74(9):660–2

Care of insensitive feet [clinical conference] Miller R, et al. **J Tenn Med Assoc** 1981 Nov;74(11):825–6

Clinicopathological conference: renal pelvic filling defect in a diabetic woman. Bhattacharya S, et al. **J Urol** 1982 Apr; 127(4):751–3

Phimosis and diabetes mellitus. Chopra R, et al. **J Urol** 1982 Jun;127(6):1101–2

Experience with penile prostheses in the treatment of impotence in diabetic men. Beaser RS, et al. **JAMA** 1982 Aug 27;248(8):943–8

Effects of sample selection on the coincidence of hypertension and diabetes. Gerber LM, et al. **JAMA** 1982 Jan 1;247(1):43–6

Straining out gnats [letter] Soule RM. **JAMA** 1982 Mar 12; 247(10):1407

Exacerbation of renal dysfunction following contrast media study in diabetic patients. Nakamura Y, et al. **Jpn J Med** 1981 Jul;20(3):188–93

Stiffness of the hand in diabetes [editorial] **Lancet** 1981 Nov 7;2(8254):1027–8

Necrotising otitis externa and diabetic control [letter] Resouly A, et al. **Lancet** 1982 Apr 3;1(8275):805–6

Diabetes and neoplasia [letter] Stowens D. **Lancet** 1981 Oct 31;2(8253):989

Progress toward understanding and treating diabetic complications. Groton, Connecticut, September 18–19, 1978. **Metabolism** 1979 Apr;28(4 Suppl 1):387–488

Aldose reductase in diabetic complications of the eye. Kinoshita JH, et al. **Metabolism** 1979 Apr;28(4 Suppl 1):462–9 (30 ref.)

The diabetic foot ulcer: a complex problem with a simple treatment approach. Block P. **Milit Med** 1981 Sep; 146(9):644–6

Diabetic trigger finger [letter] Benedetti A, et al. **N Engl J Med** 1982 Jun 24;306(25):1552

Yohimbine for treatment of impotence in diabetes [letter] Morales A, et al. **N Engl J Med** 1981 Nov 12;305(20):1221

Reactive perforating collagenosis associated with diabetes mellitus. Poliak SC, et al. **N Engl J Med** 1982 Jan 14; 306(2):81–4

Nocturnal hypoglycemia in aggressively controlled diabetes [letter] Unger RH. **N Engl J Med** 1982 May 27;306(21):1294

Diabetes and sexual function. Ellenberg M. **NY State J Med** 1982 May;82(6):927–30

Motor and absorptive abnormalities of the gastrointestinal tract, Part I. The upper gastrointestinal tract. Falchuk KR. **NY State J Med** 1982 May;82(6):914–7

The neurogenic bladder in diabetes. Schiff HI. **NY State J Med** 1982 May;82(6):922–6

Etiologic factors regarding chronic, poorly controlled diabetes mellitus associated with male infertility [letter] DiNicola AF. **NZ Med J** 1982 May 26;95(708):360

Asymptomatic parotid gland enlargement in diabetes mellitus. Russotto SB. **Oral Surg** 1981 Dec;52(6):594–8

Management of the surgical patient with hypertension or diabetes. Forman BH, et al. **Otolaryngol Clin North Am** 1981 May;14(2):317–29

Diabetic amyotrophy with primary involvement of shoulder girdle. Kabadi UM. **Postgrad Med** 1982 Jun;71(6):71–2, 74

Diabetic ketoalkalosis due to ectopic ACTH production from an oat cell carcinoma. Pearson DW, et al. **Postgrad Med J** 1981 Jul;57(669):455–6

Diabetic neuralgic amyotrophy. Williams AJ. **Postgrad Med J** 1981 Jul;57(669):450–2

Skin manifestations of diabetes mellitus. Boyd SG, et al. **Practitioner** 1982 Feb;226(1364):253–64

Shingles in diabetes mellitus. McCulloch DK, et al. **Practitioner** 1982 Mar;226(1365):531–2

Infectious complications in diabetic patients. Murphy DP, et al. **Primary Care** 1981 Dec;8(4):695–714

Gallstone disease in diabetics: analysis using multiple-cause mortality tables. Diehl AK, et al. **Public Health** 1981 Sep; 95(5):261–3

Prescription of antihistamines to insulin-dependant diabetics [letter] Phillips TR. **S Afr Med J** 1982 Sep 4;62(11):347

A perinephric abscess in a diabetic woman: successful conservative treatment. A case report. Herlitz H, et al. **Scand J Urol Nephrol** 1981;15(3):337–40

Uncontrolled diabetes mellitus [editorial] Eichold S. **South Med J** 1982 Aug;75(8):905

Diabetic gangrene in black patients. Ogbuawa O, et al. **South Med J** 1982 Mar;75(3):285–8

Diabetic keratopathy. Schultz RO, et al. **Trans Am Ophthalmol Soc** 1981;79:180–99

An alternative to cadaver kidney transplants for patients with insulin-dependent diabetes mellitus. Feduska NJ, et al. **Transplantation** 1981 Dec;32(6):517–21

Bacteriological study of diabetic foot ulcers. Prabhakar P, et al. **Trop Geogr Med** 1981 Sep;33(3):249–52

Injection abscesses due to mycobacterium chelonei occurring in a diabetic patient. Jackson PG, et al. **Tubercle** 1981 Dec; 62(4):277–9

Vascular factor in erectile failure among diabetics. Jevtich MJ, et al. **Urology** 1982 Feb;19(2):163–8

Treatable impotence in diabetic patients. Bohannon NJ, et al. **West J Med** 1982 Jan;136(1):6–10

[Multiple endocrine hypofunction and report of 5 cases (author's transl)] Baidi Z. **Chung Hua Nei Ko Tsa Chih** 1981 Jun;20(6):342–6 **(Chi)**

[Diabetic occulomotor palsy—with report of 3 cases (author's transl)] Wong SP. **Chung Hua Nei Ko Tsa Chih** 1982 Jan; 21(1):42–3 **(Chi)**

[Myocardial infarction in diabetes mellitus (author's transl)] Středa M, et al. **Cas Lek Cesk** 1981 Oct 15;120(41):1233–5 (Eng. Abstr.) **(Cze)**

[Effect of cholecystectomy of the course of diabetes] Kodlová E, et al. **Rozhl Chir** 1980 Nov;59(11):784–7 (Eng. Abstr.) **(Cze)**

[Thyrotoxicosis in diabetics] Kreze A, et al. **Vnitr Lek** 1982 Jul;28(7):647–52 (Eng. Abstr.) **(Cze)**

[Clinical course of acute myocardial infarction in manifest diabetes] Lupínek Z, et al. **Vnitr Lek** 1981 Oct;27(10):981–6 (Eng. Abstr.) **(Cze)**

[Metabolic indicators of the causes and status of diabetic osteopathy] Štěpán J, et al. **Vnitr Lek** 1982 Jun;28(6):577–86 (Eng. Abstr.) **(Cze)**

[Symmetrical pigmented patches of the lower extremities in a diabetic (diabetic cutaneous hemosiderosis)] Poiares Baptista A, et al. **Ann Dermatol Venereol** 1981; 108(6–7):569–70, 573–5 **(Fre)**

[Papilledema in the diabetic] Verougstraete C, et al. **Bull Soc Belge Ophtalmol** 1981;192:53–64 (Eng. Abstr.) **(Fre)**

[Two-color thresholds in diabetic: preliminary study] Saracco JB, et al. **Bull Soc Ophtalmol Fr** 1982 Feb; 82(2):161–7 (Eng. Abstr.) **(Fre)**

[Sinusoidal hepatic fibrosis and diabetes mellitus (letter)] Couet C, et al. **Gastroenterol Clin Biol** 1981 Nov; 5(11):1065–7 **(Fre)**

[The diabetic foot: surveillance and treatment (author's transl)] Bohbot S. **J Mal Vasc** 1981;6(3):229–32 **(Fre)**

[Contribution of the specialist in foot surgery to the treatment of the diabetic foot] Lacant G. **J Mal Vasc** 1981;6(3):225–8 (Eng. Abstr.) **(Fre)**

[Surgical treatment of the diabetic foot] Pin F, et al. **J Mal Vasc** 1981;6(3):233–5 **(Fre)**

[The diabetic foot (author's transl)] Sarteel AM, et al. **J Mal Vasc** 1981;6(3):221–4 **(Fre)**

[Gastric bezoar in diabetes mellitus. 3 cases (author's transl)] Canivet B, et al. **Nouv Presse Med** 1981 Oct 3;10(35):2893–5 (Eng. Abstr.) **(Fre)**

[Phytobezoar secondary to diabetic gastropathy (letter)] Grimaldi A, et al. **Nouv Presse Med** 1982 Jan 30;11(4):282 **(Fre)**

[Islet cell antibodies in diabetic patients with other autoimmune diseases (author's transl)] Pujol-Borrell R, et al. **Nouv Presse Med** 1981 Sep 26;10(34):2791–3 (Eng. Abstr.) **(Fre)**

[Diabetes mellitus and rheumatologic disorders (author's transl)] Manicourt D. **Rev Med Brux** 1982 Feb;3(2):87–96 (Eng. Abstr.) **(Fre)**

[Special features of diabetes in the aged person] Bruwier M. **Rev Med Liege** 1981 Nov 1;36(21):786–92 **(Fre)**

[Transitory orthostatic hypotension in a decompensated diabetic] Martin-Lecomte M, et al. **Rev Med Liege** 1981 Oct 15;36(20):751–5 **(Fre)**

[Treatment of arterial hypertension in the diabetic] Scheen AJ, et al. **Rev Med Liege** 1982 May 15;37(10):409–13 **(Fre)**

[Sexual problems encountered in diabetology (author's transl)] Gfeller R, et al. **Ther Umsch** 1981 Nov; 38(11):1069–74 (Eng. Abstr.) **(Fre)**

[Acute renal failure with iodinated contrast media in diabetic patients (author's transl)] Andrejak M, et al. **Therapie** 1981 May-Jun;36(3):351–7 (Eng. Abstr.) **(Fre)**

[Dermatological aspects in diabetes mellitus (author's transl)] Fiedler H, et al. **Dermatol Monatsschr** 1981 Jun; 167(6):341–8 (Eng. Abstr.) **(Ger)**

[Treatment of hyperlipoproteinaemia in diabetic patients (author's transl)] Bruneder H, et al. **Dtsch Med Wochenschr** 1981 Dec 4;106(49):1653–6 (Eng. Abstr.) **(Ger)**

[What are the possibilities in the treatment of primary hyperlipidemia in diabetes mellitus?] Stratmann FW. **Med Welt** 1982 Apr 30;33(17):651 **(Ger)**

[DIDMOAD syndrome (diabetes insipidus, diabetes mellitus, optic atrophy, deafness) with cerebello-pontine atrophy] Kehl O, et al. **Schweiz Med Wochenschr** 1982 Mar 6; 112(10):348–52 (Eng. Abstr.) **(Ger)**

[Simultaneous occurrence of diabetes mellitus and hyperthyroidism] Heuer LJ. **Ther Ggw** 1982 Apr; 121(4):252–8 **(Ger)**

[Lipometabolism disorders in diabetes mellitus] Gries FA, et al. **Verh Dtsch Ges Inn Med** 1981;87:1515–24 **(Ger)**

[Difficult diagnoses or diagnostic errors in general practice] Brandt H. **Z Arztl Fortbild (Jena)** 1981 Jun 1; 75(11–12):553–5 **(Ger)**

[Diabetes mellitus and liver diseases] Ratzmann KP. **Z Arztl Fortbild (Jena)** 1981 Feb 15;75(4):169–74 (24 ref.) **(Ger)**

[Impotence in male diabetics] Thiel W, et al. **Z Arztl Fortbild (Jena)** 1981 May 1;75(9):430–3 **(Ger)**

[The cardiovascular risk profile of the long-term diabetic] Schneider H, et al. **Z Gesamte Inn Med** 1982 Feb 15; 37(4):125–8 (Eng. Abstr.) **(Ger)**

[The cardiovascular risk profile of long-term diabetics and its relation to kidney function] Schneider H, et al. **Z Gesamte Inn Med** 1982 May 15;37(10):295–9 (Eng. Abstr.) **(Ger)**

[Coincidence of liver cirrhosis, diabetes mellitus, hypertension, obesity, cholecystopathy and meningioma in elderly women (author's transl)] Grosse H. **Zentralbl Allg Pathol** 1981;125(5):410–3 (Eng. Abstr.) **(Ger)**

[Dental changes in diabetics] Vétek J, et al. **Fogorv Sz** 1982 Feb;75(2):45–51 (Eng. Abstr.) **(Hun)**

[Current data on the Troell-Junet syndrome] Horváth C, et al. **Orv Hetil** 1981 Jul 12;122(28):1687–90 **(Hun)**

[Labyrinth and diabetes: parallel clinical study in 2 groups of patients with labyrinth disease and diabetes] Catalano GB, et al. **Acta Otorhinolaryngol Belg** 1981;35(1):43–9 **(Ita)**

[Coagulation disorders in diabetes mellitus] Corsi L, et al. **Arch E Maragliano Patol Clin** 1979;35(2):133–40 (67 ref.) **(Ita)**

[Diabetes and autoimmune diseases. I] Bargero G, et al. **Arch Sci Med (Torino)** 1981 Oct-Dec;138(4):557–70 (124 ref.) (Eng. Abstr.) **(Ita)**

[Clinical evaluation of antihypertensive treatment with alpha-methyldopa in patients with arterial hypertension and diabetes mellitus] Stornello M, et al. **Clin Ter** 1982 May 15;101(3):257–65 (Eng. Abstr.) **(Ita)**

[Frequency of risk factors in cerebrovascular disease and their effect on the course and outcome. Study on 423 hospitalized patients] Cognazzo A, et al. **Minerva Med** 1981 Nov 10;72(44):2929–34 (Eng. Abstr.) **(Ita)**

[The role of penile Doppler sonography in impotent diabetics] Giordanengo F, et al. **Minerva Med** 1981 Dec 8;72(49):3341–4 (Eng. Abstr.) **(Ita)**

[Albright's syndrome. Report of a case, complicated by pleural effusion and diabetes] Valentino V, et al. **Minerva Med** 1982 Apr 21;73(17):1077–86 (Eng. Abstr.) **(Ita)**

[Double-bag CAPD with intraperitoneal insulin. Satisfactory management of diabetes and its major complications in uremic patients] Bazzato G, et al. **Minerva Nefrol** 1981 Jul-Sep;28(3):345–52 (Eng. Abstr.) **(Ita)**

[Substitutive treatment of the uremic diabetic. 8 years of experience and new prospects] Triolo G, et al. **Minerva Nefrol** 1981 Jul-Sep;28(3):315–20 (Eng. Abstr.) **(Ita)**

[Albuminuria and diabetes] Scarpioni L. **Ric Clin Lab** 1981; 11 Suppl 2:5–7 **(Ita)**

[A case of idiopathic SIADH with diabetes mellitus (author's transl)] Kenbo T, et al. **Horumon To Rinsho** 1982 Feb; 30(2):183–7 **(Jpn)**

[A case of diabetic oculomotor paralysis (author's transl)] Tayama M. **Horumon To Rinsho** 1982 Mar;30(3):257–60 **(Jpn)**

[Tuberculous brain abscess. A case report (author's transl)] Tanaka M, et al. **Neurol Med Chir (Tokyo)** 1982 Mar; 22(3):235–40 (Eng. Abstr.) **(Jpn)**

[Uveitis associated with diabetes mellitus (author's transl)] Shimakawa M, et al. **Nippon Ganka Gakkai Zasshi** 1981; 85(11):1986–92 (Eng. Abstr.) **(Jpn)**

[Diabetes mellitus associated with autoimmune diseases] Ofuji T, et al. **Nippon Rinsho** 1982 Feb;40(2):377–81 **(Jpn)**

[Diabetes mellitus and ischaemic heart disease in male population of Warsaw factories (author's transl)] Przestalska-Malkin H, et al. **Przegl Lek** 1981;38(11):831–5 (Eng. Abstr.) **(Pol)**

[Double remission of diabetes complicated by hyperosmolar coma] Hirsch S, et al. **Wiad Lek** 1981 May 15;34(10):839–42 **(Pol)**

[Treatment of femoral neck fractures in patients with diabetes] Serwach M, et al. **Wiad Lek** 1981 Sep 15; 34(18):1539–44 (30 ref.) (Eng. Abstr.) **(Pol)**

[Arterial hypertension and diabetes mellitus as risk factors for cardiovascular disease. Evaluation of hospitalized patients] Carvalho L, et al. **Acta Med Port** 1981 May-Jun; 3(3):175–84 (Eng. Abstr.) **(Por)**

[Clinical correlations of Mönckeberg's medial calcinosis in diabetes mellitus] Ferreira FM, et al. **Acta Med Port** 1981 Jul-Aug;3(4):267–79 (Eng. Abstr.) **(Por)**

[Simple chronic glaucoma, hemorrhagic glaucoma and diabetes mellitus] Cânciu G. **Rev Chir [Oftalmol]** 1981 Apr-Jun;25(2):85–8 (7 ref.) (Eng. Abstr.) **(Rum)**

[Ocular diseases in diabetes mellitus] Harnagea E, et al. **Rev Chir [Oftalmol]** 1981 Jul-Sep;25(3):187–9 (Eng. Abstr.) **(Rum)**

[Correlation of gastric secretion with blood calcium and insulin in diabetic gastropath] Lerinţiu A, et al. **Rev Med Interna [Med Interna]** 1982 Jan-Mar;34(1):55–63 **(Rum)**

[Treatment of diabetic osteoarthropathy] Skripnichenko DF, et al. **Klin Khir** 1981 Dec;(12):9–11 (Eng. Abstr.) **(Rus)**

[Use of pancreatin in the treatment of purulent-necrotic ulcers in patients with diabetes mellitus] Skripnichenko DF, et al. **Klin Khir** 1981 Dec;(12):30–1 (Eng. Abstr.) **(Rus)**

[Disturbance of the autonomic innervation of the heart in diabetes mellitus] Kaĭlakov AM. **Klin Med (Mosk)** 1982 May;60(5):95–7 (Eng. Abstr.) **(Rus)**

[Involvement of peripheral and cranial nerves in diabetes mellitus] Kanarelkin KF, et al. **Klin Med (Mosk)** 1981 Sep; 59(9):14–21 **(Rus)**

[Role of venous insufficiency in the etiology of peripheral circulation disorders in diabetic patients] Volgin EG. **Klin Med (Mosk)** 1981 Dec;59(12):70–3 (Eng. Abstr.) **(Rus)**

[Diagnosis and treatment of disorders in pancreatic enzyme secretion, liver function and gastric motor activity in diabetes mellitus] Geller LI, et al. **Probl Endokrinol (Mosk)** 1982 Mar-Apr;28(2):7–12 (Eng. Abstr.) **(Rus)**

[Case of a severe form of diabetic osteoarthropathy] Sidel'nikova MV, et al. **Probl Endokrinol (Mosk)** 1981

Jul–Aug;27(4):29–31 (Rus)
[Treatment of suppurative diseases of the soft tissues in patients with diabetes mellitus] Dalgat DM, et al. **Sov Med** 1982;(4):99–100 (Rus)
[Bone pathology in diabetes mellitus] Kistauri AG. **Sov Med** 1982;(2):32–6 (Eng. Abstr.) (Rus)
[Disorders of the cardiac rhythm and conduction in patients with diabetes mellitus] Masliuk VI, et al. **Ter Arkh** 1982; 54(3):28–30 (Eng. Abstr.) (Rus)
[Features of acute appendicitis and cholecystitis in diabetes mellitus] Marfin BI, et al. **Vestn Khir** 1982 Apr;128(4):42–4 (Rus)
[Gas gangrene caused by Staphylococcus and diabetes mellitus (letter)] Ancochea L, et al. **Med Clin (Barc)** 1982 Mar 16;78(6):256–7 (Spa)
[Bacteriuria in patients with diabetes mellitus] Zuazo Silva JL, et al. **Rev Cubana Med Trop** 1981 Jan–Apr;33(1):79–89 (Eng. Abstr.) (Spa)
[Non-invasive angiological evaluation in diabetic patients] Brown M, et al. **Rev Med Panama** 1982 May;7(2):97–104 (Eng. Abstr.) (Spa)

DIAGNOSIS

Non-enzymatic glycosylation of serum proteins as an indicator of diabetic control. Gragnoli G, et al. **Acta Diabetol Lat** 1982 Apr–Jun;19(2):161–6
HbA1c and the diagnosis of diabetes mellitus. Svendsen PA, et al. **Acta Med Scand** 1981;210(4):313–6
A novel five-microlitre capillary system for home glucose monitoring. Williams CP, et al. **Ann Clin Biochem** 1981 Sep;18(Pt 5):304–7
Anterior ischemic optic neuropathy as an initial sign of diabetics mellitus: a case report. Barner SS, et al. **Ann Ophthalmol** 1982 May;14(5):492–3, 496
Location of fat may predict diabetes risk. **AORN J** 1982 Apr; 35(5):1022–3
ABC of diabetes. clinical presentation: why is diabetes so often missed? Watkins PJ. **Br Med J [Clin Res]** 1982 Jun 12;284(6331):1771–2
Acceptance of new criteria for diagnosis of diabetes mellitus and related conditions by the Canadian Diabetes Association. **Can Med Assoc J** 1982 Mar 1;126(5):473–6
Diagnosis of diabetes mellitus. Rodger NW. **Can Med Assoc J** 1982 Mar 1;126(5):453–4, 457
Patient-determined glycosylated hemoglobin measurements: an aid to patient education. McDermott K, et al. **Diabetes Care** 1982 Jul–Aug;4(4):480–3
Glycosylated haemoglobins in the diagnosis of diabetes mellitus and for the assessment of chronic hyperglycaemia. Boucher BJ, et al. **Diabetologia** 1981 Jul;21(1):34–6
Diabetic urine testing in South Carolina [letter] Zelnio RN, et al. **Drug Intell Clin Pharm** 1981 Apr;15(4):292–4, 309
Combined glucose and lactate values in vitreous humour for postmortem diagnosis of diabetes mellitus. Sippel H, et al. **Forensic Sci Int** 1982 May–Jun;19(3):217–22
Blood glucose testing. Alexander LJ. **J Am Optom Assoc** 1982 May;53(5):387–90
Glycosylated hemoglobin measurements and diabetes [letter] Webb RF. **JAMA** 1982 Mar 26;247(12):1696
Early maturity onset diabetes mellitus presenting as episodes of hypoglycaemia. Haider Z, et al. **JPMA** 1981 Jun; 31(6):129–30
Update on diabetes mellitus. Moss JM. **Med Times** 1981 Aug; 109(8):70–3
Aging, diabetes, and obesity: standards of normality. Andres R. **Mt Sinai J Med (NY)** 1981 Nov–Dec;48(6):489–95
Diabetes mellitus [letter] Stotts RC. **Nurse Pract** 1981 Sep–Oct;6(5):61
Diabetes, 1980: overview. Salans LB. **Trans Assoc Life Insur Med Dir Am** 1980;64:28–42
The dilemma of defining diabetes mellitus in the aging population. Mahler RJ, et al. **West J Med** 1982 May; 136(5):379–83
[A discussion on the diagnostic criteria for diabetes mellitus with report of oral glucose tolerance test in 202 normal adults (author's trans')] Pan CY. **Chung Hua Nei Ko Tsa Chih** 1981 Sep;20(9):532–4 (Chi)
[Glycosylated haemoglobin level as a glycide metabolism marker (author's transl)] Anděl M, et al. **Cas Lek Cesk** 1981 Dec 3;120(48):1434–7 (Eng. Abstr.) (Cze)
[The prediabetic state and the risk of diabetic mellitus] Zdichynec B. **Vnitr Lek** 1982 Jan;28(1):83–4 (Cze)
[Vascular complications in diabetes mellitus] Huttunen JK. **Duodecim** 1981;97(12):887–97 (Fin)
[Glycohemoglobin (HbA1): a valuable parameter for the evaluation of long-term control of diabetes] Schernthaner G. **Dtsch Med Wochenschr** 1982 Jul 16;107(28):1099–101 (Ger)
[Diabetes mellitus: new directions in its diagnosis] Renner R. **Med Klin** 1981 Apr 24;76(9):237–41 (0 ref.) (Ger)
[Self-testing by the diabetic] Willms B. **Med Klin** 1981 Jun 5;76(12):335–40 (Ger)
[Glycohemoglobin index. A trend indicator in pathological glucose tolerance and diabetes mellitus] Brückel KW, et al. **Med Welt** 1982 Jun 11;33(23):855–60 (Ger)
[Diabetes self-control. Urinary and blood sugar determination by the patient] Dieterle P. **MMW** 1982 May 14;124(19):459–60 (Ger)
[Comparative evaluation of various diagnostic criteria in diabetes mellitus in a 7-year follow-up of persons over 40 years of age] Kerényi Z, et al. **Orv Hetil** 1981 Dec; 122(51):3145–8 (Hun)
[Preliminary notes from a clinicostatistical study of a diabetic patient population] Borgogna E, et al. **Minerva Stomatol** 1982 Mar–Apr;31(2):227–9 (Eng. Abstr.) (Ita)
[Glycosylated hemoglobins and the oral glucose tolerance test in evaluation of glucose tolerance] Seghieri G, et al. **Quad Sclavo Diagn** 1981 Mar;17(1):73–80 (Eng. Abstr.) (Ita)
[Physical work capacity of diabetics with and without arterial hypertension] Glezer MG. **Kardiologiia** 1982 Mar; 22(3):115–7 (Rus)
[Is acute abdomen in diabetics always a false indicator?] Isaev GB. **Klin Med (Mosk)** 1982 Mar;60(3):90–2 (Eng. Abstr.) (Rus)
[Chronic intravascular blood coagulation in diabetes mellitus] Smolenskii VS, et al. **Klin Med (Mosk)** 1982 Jan;60(1):49–52 (Eng. Abstr.) (Rus)
[Method of early diagnosis of latent diabetes mellitus and the prediabetic state] Sanduliak LI. **Probl Endokrinol (Mosk)** 1981 Sep–Oct;27(5):32–5 (Eng. Abstr.) (Rus)
[Capillaroscopy and capillarography of the conjunctiva in diabetes mellitus and hypertension] Bunin AIa, et al. **Vestn Oftalmol** 1982 May–Jun;(3):30–3 (Eng. Abstr.) (Rus)
[Dionine test in the study of the microcirculation of the bulbar conjunctiva and limbus in diabetes mellitus] Vodovozov AM, et al. **Vestn Oftalmol** 1982 Mar–Apr; (2):10–3 (Eng. Abstr.) (Rus)
[Early manifestations of diabetes mellitus in otorhinolaryngologic patients] Khasanov SA. **Vestn Otorinolaringol** 1981 Sep–Oct;(5):29–31 (Eng. Abstr.) (Rus)
[Detection of early forms of diabetes mellitus in the sanatorium] Kravets IuS, et al. **Vopr Kurortol Fizioter Lech Fiz Kult** 1982 May–Jun;(3):58 (Rus)
[Characteristics of diabetes mellitus in Novi Sad] Kovač T, et al. **Med Pregl** 1981;34(9–10):411–6 (Eng. Abstr.) (Scc)
[Evaluation in our milieu of the continuous glucose infusion test (glucose infusion test)] Claro López A, et al. **Rev Clin Esp** 1982 Mar 31;164(6):391–4 (Eng. Abstr.) (Spa)

DIET THERAPY

Dietary therapy in diabetes mellitus. Description of a recommendation prepared by the Finnish Diabetes Association's Committee on Nutrition Therapy. Huttunen JK, et al. **Acta Med Scand** 1982;211(6):469–75
Dietary fibre in type II diabetes. Asp NG, et al. **Acta Med Scand [Suppl]** 1981;656:47–50
Dietary supplementation of fibre (Lunelax) as a mean to reduce postprandial glucose in diabetics. Sartor G, et al. **Acta Med Scand [Suppl]** 1981;656:51–3
Endogenous insulin secretion measured by C-peptide in maturity-onset diabetes controllable by diet alone. Rendell M, et al. **Arch Intern Med** 1981 Nov;141(12):1617–22
Effect of high-fibre diet on haemostatic variables in diabetes. Simpson HC, et al. **Br Med J [Clin Res]** 1982 May 29; 284(6329):1608
A randomised controlled trial of the effect of low fat diet advice on dietary response in insulin independent diabetic women. de Bont AJ, et al. **Diabetologia** 1981 Dec; 21(6):529–33
More about carbohydrates [letter] Jarrett RJ. **Diabetologia** 1981 Oct;21(4):427–8
The effect of a high fibre diet on diabetic nephropathy in the db/db mouse. Lee SM. **Diabetologia** 1982 May; 22(5):349–53
Rationale for changes in the dietary management of diabetes. Fat, carbohydrate, and fiber. El-Beheri Burgess BR. **J Am Diet Assoc** 1982 Sep;81(3):258–61
Nutritional care of patients with renal failure and diabetes. Levine SE. **J Am Diet Assoc** 1982 Sep;81(3):261–7 (43 ref.)
Enhancing office management of diabetes mellitus: use of an employee-microprocessor team. Cook GB. **J SC Med Assoc** 1982 Mar;78(3):149–52
Trial of Momordica charantia Linn (Karela) powder in patients with maturity-onset diabetes. Akhtar MS. **JPMA** 1982 Apr;32(4):106–7
One minute with diabetes. DeLawter DE. **Md State Med J** 1981 Jul;30(7):61
One minute with diabetes. DeLawter DE. **Md State Med J** 1981 Sep;30(9):29
Guar biscuits in the diabetic diet. Smith CJ, et al. **S Afr Med J** 1982 Feb 6;61(6):196–8
[Food fiber and diabetes (author's transl)] Du SF, et al. **Sheng Li Ko Hsueh Chin Chan** 1981 Mar;12(3):234–8 (Chi)
[Daily plan for diet therapy in diabetes mellitus] Matzkies F, et al. **Fortschr Med** 1982 Feb 18;100(7):266–70 (Ger)
[Importance of a self-care system in diabetes mellitus in preventing complications and preserving the patient's work capacity] Kadulina AA, et al. **Probl Endokrinol (Mosk)** 1982 Jan–Feb;28(1):11–4 (Eng. Abstr.) (Rus)

DRUG THERAPY

What's new in diabetes mellitus? [editorial] De Moor P. **Acta Clin Belg** 1982;37(1):1–2
Therapeutic effect of tolbutamide in non-insulin dependent diabetes mellitus (NIDDM). Relation to beta-cell function. Damsgaard EM, et al. **Acta Endocrinol (Copenh)** 1982 Jul; 100(3):416–20
Propranolol does not inhibit sulphonylurea-stimulated insulin secretion in patients with non-insulin dependent diabetes mellitus. Groop L, et al. **Acta Endocrinol (Copenh)** 1982 Jul;100(3):410–5
Insulin binding to erythrocytes in diabetes mellitus. Okada Y, et al. **Acta Med Okayama** 1981 Oct;35(4):273–7
Improvement of glucose tolerance by verapamil in patients with non-insulin-dependent diabetes mellitus. Andersson DE, et al. **Acta Med Scand** 1981;210(1–2):27–33
Insulin-requiring diabetes mellitus of sixty years' duration without significant late manifestations. Brechter C, et al. **Acta Med Scand** 1981;210(3):239–40
Influence of beta-blocking drugs on glucose metabolism in patients with non-insulin dependent diabetes mellitus. Groop L, et al. **Acta Med Scand** 1982;211(1–2):7–12
Practical clinical value of the C-peptide response to glucagon stimulation in the choice of treatment in diabetes mellitus. Madsbad S, et al. **Acta Med Scand** 1981;210(3):153–6
Glibenclamide and gliquidone in the treatment of non-insulin-dependent diabetes mellitus. Nikkilä K, et al. **Acta Med Scand** 1982;211(1–2):13–7
Effect of metoprolol and alprenolol on the metabolic, hormonal, and haemodynamic response to insulin-induced hypoglycaemia in hypertensive, insulin-dependent diabetics. Ostman J, et al. **Acta Med Scand** 1982; 211(5):381–5
The antidiabetic effect and pharmacokinetic properties of glipizide. Comparison of a single dose with divided dose regime. Ostman J, et al. **Acta Med Scand** 1981;210(3):173–80
Oral antidiabetic therapy. Melander A, et al. **Acta Med Scand [Suppl]** 1981;656:55–7
Understanding and treatment of diabetes mellitus by traditional Chinese medicine. Keji C. **Am J Chin Med** 1981 Spring;9(1):93–4
Glycemic control in insulin-dependent diabetes mellitus. Comparison of outpatient intensified conventional therapy with continuous subcutaneous insulin infusion. Reeves ML, et al. **Am J Med** 1982 Apr;72(4):673–80
The insulin pump: new method of insulin delivery. Fredholm NZ. **Am J Nurs** 1981 Nov;81(11):2024–6
Peri-operative management of insulin-dependent diabetic patients. Use of continuous intravenous infusion of insulin-glucose-potassium solution. Bowen DJ, et al. **Anaesthesia** 1982 Aug;37(8):852–5
Plasma lipid and lipoprotein levels with continuous subcutaneous insulin infusion in type I diabetes mellitus. Dunn FL, et al. **Ann Intern Med** 1981 Oct;95(4):426–31
Intensive ambulatory treatment of insulin-dependent diabetes. Felig P, et al. **Ann Intern Med** 1982 Aug; 97(2):225–30
Intensive conventional and insulin pump therapies in adult type I diabetes. A crossover study. Nathan DM, et al. **Ann Intern Med** 1982 Jul;97(1):31–6
Practical closed-loop insulin delivery. A system for the maintenance of overnight euglycemia and the calculation of basal insulin requirements in insulin-dependent diabetics. White NH, et al. **Ann Intern Med** 1982 Aug;97(2):210–3
Effect of bezafibrate on plasma lipids, lipoproteins, apolipoproteins AI, AII and B and LCAT activity in hyperlipidemic, non-insulin-dependent diabetics. Prager R, et al. **Atherosclerosis** 1982 Jun;43(2–3):321–7
Intraperitoneal insulin in uraemic diabetics undergoing continuous ambulatory peritoneal dialysis. Balducci A, et al. **Br Med J [Clin Res]** 1981 Oct 17;283(6298):1021–3
Brittle diabetes: long-term control with a portable, continuous, intravenous insulin infusion system. Bayliss J. **Br Med J [Clin Res]** 1981 Nov 7;283(6301):1207–9
Chlorpropamide- and tolbutamide-alcohol flushing in non-insulin-dependent diabetes. Capretti L, et al. **Br Med J [Clin Res]** 1981 Nov 21;283(6303):1361–2
Sulphonylurea and insulin combination in the treatment of diabetes [letter] Fonseca VA. **Br Med J [Clin Res]** 1981 Sep 19;283(6294):797
Insulin given intranasally induces hypoglycaemia in normal and diabetic subjects [letter] Hankiss J. **Br Med J [Clin Res]** 1982 Jun 5;284(6330):1707–8
Diabetes mellitus: II: treatment. Jarrett J, et al. **Br Med J [Clin Res]** 1981 Sep 12;283(6293):703–4
Unnecessary insulin treatment for diabetes. Kromann H, et al. **Br Med J [Clin Res]** 1981 Nov 21;283(6303):1386–8
ABC of diabetes. Continuous subcutaneous insulin infusion. Pickup JC. **Br Med J [Clin Res]** 1982 Jul 3;285(6334):49–50
Insulin given intranasally induces hypoglycaemia in normal and diabetic subjects. Pontiroli AE, et al. **Br Med J [Clin Res]** 1982 Jan 30;284(6312):303–6
ABC of Diabetes. Insulin treatment. Watkins PJ. **Br Med J [Clin Res]** 1982 Jun 26;284(6333):1929–32
Assessment of diabetic control: adjustment of insulin dose. Watkins PJ. **Br Med J [Clin Res]** 1982 Jul 10; 285(6335):119–21
The unstable insulin-dependent diabetic. Watkins PJ. **Br Med J [Clin Res]** 1982 Jul 17;285(6336):192–3
Renal hypouricaemia in insulin treated diabetes mellitus. Gotfredsen A, et al. **Clin Chim Acta** 1982 Apr 23; 120(3):355–61
New methods of treatment for diabetes mellitus. Rizza RA, et al. **Compr Ther** 1982 Apr;8(4):62–70
Clinical trial with porcine des-Phe B1 insulin. A comparative study with unmodified insulin on therapeutical efficacy, biological activity and immunogenicity. Santeusanio F, et al. **Diabete Metab** 1981 Sep;7(3):173–9

The accuracy of drawing up insulin by insulin treated diabetics. Wright S, et al. **Diabete Metab** 1982 Mar;8(1):7–8

Hypoglycemic coma associated with subcutaneous insulin infusion by portable pump. Lock DR, et al. **Diabetes Care** 1981 May–Jun;4(3):389–91

The effectiveness of rectal administration of insulin suppository on normal and diabetic subjects. Yamasaki Y, et al. **Diabetes Care** 1982 Jul–Aug;4(4):454–8

Lack of glucagon response in glucose counter–regulation in type 1 (insulin–dependent) diabetics: absence of recovery after prolonged optimal insulin therapy. Bolli G, et al. **Diabetologia** 1982 Feb;22(2):100–5

Improvement of metabolic control in insulin dependent diabetics treated with the alpha–glucosidase inhibitor acarbose for two months. Gérard J, et al. **Diabetologia** 1981 Nov;21(5):446–51

Diabetic control in patients treated with once or twice–daily insulin injections, including a comparison of conventional beef and highly purified pork insulins. Gray RS, et al. **Diabetologia** 1981 Sep;21(3):206–10

New approaches to therapy and diagnosis of diabetes. Hansen B, et al. **Diabetologia** 1982 Feb;22(2):61–7 (47 ref.)

Safety of continuous subcutaneous insulin infusion: metabolic deterioration and glycaemic autoregulation after deliberate cessation of infusion. Pickup JC, et al. **Diabetologia** 1982 Mar;22(3):175–9

Effect of a long–term acarbose therapy on the metabolic control of sulphonylurea–treated diabetic patients [letter] Sachse G, et al. **Diabetologia** 1982 Mar;22(3):221

Long–term treatment of sulphonylurea–treated diabetics with the alpha–glucosidase inhibitor Bay g 5421 (acarbose) [letter] Vierhapper H, et al. **Diabetologia** 1981 May; 20(5):586

The effect of insulin antibodies on insulin dose and diabetic control. Walford S, et al. **Diabetologia** 1982 Feb; 22(2):106–10

Portable insulin infusion pumps: what is their role in therapy? Eaton RP. **Drugs** 1982 Apr;23(4):245–9

Clinical pharmacology of sulphonylurea hypoglycaemic agents: part 2. Jackson JE, et al. **Drugs** 1981 Oct; 22(4):295–320 (312 ref.)

Effect of the discontinuation of long–term sulfonylurea treatment on blood glucose and insulin secretion in noninsulin–dependent diabetes mellitus. Sumi S, et al. **Endocrinol Jpn** 1982 Feb;29(1):41–7

Severe hypoglycaemic reactions in Ethiopian diabetics. Lester FT. **Ethiop Med J** 1982 Jan;20(1):33–7

Improved effect of glibenclamide on administration before breakfast. Sartor G, et al. **Eur J Clin Pharmacol** 1982; 21(5):403–8

Impaired effect of sulfonylurea following increased dosage. Wåhlin–Boll E, et al. **Eur J Clin Pharmacol** 1982;22(1):21–5

How effective is the artificial pancreas? Kent S. **Geriatrics** 1981 Nov;36(11):133–9

Exogenous insulin needs. Relationship with duration of diabetes, C–peptidemia, insulin antibodies, and retinopathy. Haumont D, et al. **Helv Paediatr Acta** 1982 May; 37(2):143–50

Insulin–resistant diabetes mellitus and insulin receptor antibodies: variable association with acanthosis nigricans. Goldman J. **Henry Ford Hosp Med J** 1980;28(2–3):161–7

Influence of propranolol upon serum and urinary uric acid in diabetic patients. Fekete T, et al. **Horm Metab Res** 1982 Apr;14(4):220–1

Comparison of diurnal serum insulin levels during short term treatments with sulfonylurea and with insulin in non–insulin dependent diabetes. Fukumoto Y, et al. **Horm Metab Res** 1982 Jan;14(1):1–4

Timing of insulin delivery with meals. Kraegen EW, et al. **Horm Metab Res** 1981 Jul;13(7):365–7

Oral contraception in diabetic women. A cross–over study on serum and high density lipoprotein (HDL) lipids and diabetes control during progestogen and combined estrogen/progestogen contraception. Rådberg T, et al. **Horm Metab Res** 1982 Feb;14(2):61–5

Plasma 25–hydroxycholecalciferol in oral sulfonylurea treated diabetes mellitus. Štěpán J, et al. **Horm Metab Res** 1982 Feb;14(2):98–100

Effects of permeation of plasma proteins in diabetic patients. Beyer J. **Horm Metab Res [Suppl]** 1981;11:123–7

Mimicry of pancreatic insulin pattern sought. **Hosp Pract** 1982 Apr;17(4):21, 24, 32

The diabetic patient who mistreated herself. Kitabchi AE, et al. **Hosp Pract** 1982 Sep;17(9):196–7

Electronics and the diabetic. Albisser AM, et al. **IEEE Trans Biomed Eng** 1982 Apr;29(4):239–48

Intraperitoneal administration of insulin during peritoneal dialysis of diabetics with terminal renal failure. Anderson KE, et al. **Int J Artif Organs** 1981 Jul;4(4):162–7

1–deamino–/4–valine–8–D–arginine/–vasopressin (dVDAVP), a new synthetic vasopressin analog for treating diabetes insipidus. László FA, et al. **Int J Clin Pharmacol Ther Toxicol** 1982 Jan;20(1):39–43

The effects of gliclazide in diabetes: a comparison with tolbutamide. Berber MJ, et al. **Ir J Med Sci** 1982 Feb; 151(2):46–9

Oral hypoglycaemic drugs. O'Sullivan DJ. **Ir Med J** 1982 Jun;75(6):178–82

Pattern of recovery of thyroid hormone indices associated with treatment of diabetes mellitus. Alexander CM, et al. **J Clin Endocrinol Metab** 1982 Feb;54(2):362–6

Chronic chlorpropamide therapy of noninsulin–dependent diabetes augments basal and stimulated insulin secretion by increasing islet sensitivity to glucose. Judzewitsch RG, et al. **J Clin Endocrinol Metab** 1982 Aug;55(2):321–8

Diabetes Clinical Care Conference: survival techniques in diabetes mellitus. **J Tenn Med Assoc** 1981 Mar;74(3):193–6, 196

Improvement of high–density lipoprotein–cholesterol levels. Ambulatory type I diabetics treated with the subcutaneous insulin pump. Falko JM, et al. **JAMA** 1982 Jan 1; 247(1):37–9

Effect of 6 months of strict metabolic control on eye and kidney function in insulin–dependent diabetics with background retinopathy. Steno study group. **Lancet** 1982 Jan 16;1(8264):121–4

Strict metabolic control and eye and kidney function in diabetes [letter] **Lancet** 1982 Mar 13;1(8272):630–1

Biosynthetic human insulin in the treatment of diabetes. A double–blind crossover trial in established diabetic patients. Clark AJ, et al. **Lancet** 1982 Aug 14;2(8294):354–7

Treatment with human insulin in out patient diabetics [letter] Egstrup K, et al. **Lancet** 1982 Jul 24;2(8291):222–3

In search of Somogyi effect letter Faber OK, et al. **Lancet** 1980 Sep 27;2(8196):701

Effect of strict diabetic control on eye and kidney function [letter] Hockaday TD. **Lancet** 1982 Feb 13;1(8268):397

One minute with diabetes. DeLawter DE. **Md State Med J** 1981 Aug;30(8):60

One minute with diabetes. Delawter DE. **Md State Med J** 1981 Oct;30(10):12

One minute with diabetes: two interesting case abstracts. Grubb W. **Md State Med J** 1981 Dec;30(12):31

Optimal feedback glycaemia regulation in diabetics. Bellomo G, et al. **Med Biol Eng Comput** 1982 May;20(3):329–35

Erythrocyte – endothelial cell adherence in sickle cell disease, diabetes mellitus, and falciparum malaria: adverse effects reversed with piracetam. Nalbandian RM, et al. **Med Hypotheses** 1982 Feb;8(2):155–62

Insulin infusion pumps in the treatment of diabetes. Blackshear PJ. **Med Instrum** 1982 Jan–Feb;16(1):17–9

Preservation of pancreatic cell function in diabetes mellitus: treating diabetes with corticosteroid. Yue D. **Med J Aust** 1981 Oct 17;2(8):385–6

Drugs used in metabolic disorders. Sutton JR. **Med Sci Sports Exerc** 1981;13(4):266–71 (31 ref.)

Use of continuous subcutaneous insulin infusion pumps—Georgia, Maine, and Nebraska. **MMWR** 1982 Jan 22;31(1–2):5–6, 15

Diabetes resistant to subcutaneous insulin: effect of aprotinin [letter] **N Engl J Med** 1981 Dec 3;305(23):1413–4

Clinical use of the insulin infusion pump in 100 patients with type I diabetes. Mecklenburg RS, et al. **N Engl J Med** 1982 Aug 26;307(9):513–8

The use of an implantable insulin pump in the treatment of type II diabetes. Rupp WM, et al. **N Engl J Med** 1982 Jul 29;307(5):265–70

Effect of artificial pancreas treatment on peripheral nerve function in diabetes. Service FJ, et al. **Neurology (NY)** 1981 Nov;31(11):1375–80

Immunologic sensitization of circulating basophils to exogenous insulin in diabetic patients. Emanuelli G, et al. **Panminerva Med** 1981 Apr–Jun;23(2):81–8

The insulinotropic activity of Gymnema sylvestre, R. Br. An Indian medical herb used in controlling diabetes mellitus. Shanmugasundaram KR, et al. **Pharmacol Res Commun** 1981 May;13(5):475–86

Control of blood sugar level in elderly diabetic patients. Davis PJ, et al. **Primary Care** 1982 Mar;9(1):45–51

The assessment of diabetic control in insulin–independent patients. Harrower AD, et al. **Scott Med J** 1982 Jan; 27(1):41–3

Blood glucose control by closed loop insulin delivery during coronary artery bypass surgery. Kuntschen F, et al. **Trans Am Soc Artif Intern Organs** 1981;27:241–5

[Severe hypoglycemia due to Dirastan (tolbutamide) in a diabetic with chronic renal failure] Bureš J, et al. **Vnitr Lek** 1982 Jul;28(7):678–84 (Eng. Abstr.) **(Cze)**

[Common problems in the management of insulin dependent diabetes] Pelkonen R. **Duodecim** 1981;97(12):816–24 **(Fin)**

[Treatment of insulin–dependent diabetes by continuous subcutaneous infusion of insulin (author's transl)] Buysschaert M, et al. **Ann Endocrinol (Paris)** 1981 Jul–Sep; 42(3):293–4 (Eng. Abstr.) **(Fre)**

[Early results in the treatment of insulin–dependent diabetics by a permanent insulin pump] Orsoni–Dupont C. **Bull Soc Ophtalmol Fr** 1982 Apr;82(4):485–90 (Eng. Abstr.) **(Fre)**

[Effect of long–term metformin treatment on the development of diabetes in genetically diabetic mice (DBM) (author's transl)] Junien JL, et al. **Diabete Metab** 1981 Dec;7(4):251–8 (Eng. Abstr.) **(Fre)**

[New insulins] Assan R, et al. **Journ Annu Diabetol Hotel Dieu** 1982;:105–14 **(Fre)**

[Somatostatin in the treatment of diabetes mellitus] Mirouze J. **Nouv Presse Med** 1981 Oct 10;10(36):2945–6 **(Fre)**

[Continuous predetermined insulin infusion in insulin–dependent diabetes mellitus (author's transl)] Jean R, et al. **Sem Hop Paris** 1982 Jan 14;58(2):123–6 (Eng. Abstr.) **(Fre)**

[Insulin plus sulfonyl urea—a(n) (im)possible combination?] Bachmann W. **Dtsch Med Wochenschr** 1982 Feb 5; 107(5):163–5 **(Ger)**

[Sulfonyl urea compounds in diabetes therapy 1981. Arguments for a reasonable use] Berger M, et al. **Dtsch Med Wochenschr** 1981 Oct 30;106(44):1443–6 **(Ger)**

[Blood–sugar–controlled insulin infusion systems for rapid adjustment of insulin–dependent diabetics (author's transl)] Beyer J, et al. **Dtsch Med Wochenschr** 1981 Dec 4; 106(49):1644–9 (Eng. Abstr.) **(Ger)**

[Clinical experience with human insulin (author's transl)] Schlüter KJ, et al. **Dtsch Med Wochenschr** 1982 Jan 8; 107(1):10–4 (Eng. Abstr.) **(Ger)**

[Insulin plus sulphonyl–urea compounds in the treatment of diabetes mellitus of the maturity–onset type (author's transl)] Traumann KJ, et al. **Dtsch Med Wochenschr** 1982 Feb 5;107(5):180–4 (Eng. Abstr.) **(Ger)**

[Experiences with a chemically modified monospecies–insulin] Sailer D, et al. **Med Klin** 1981 Aug 14;76(17):479–81 (Eng. Abstr.) **(Ger)**

[Advancements in the treatment of insulin–dependent diabetes mellitus] Schatz H. **Med Monatsschr Pharm** 1981 Nov;4(11):326–32 **(Ger)**

[Treatment with Scandinavian insulins. Clinical report] Borde H, et al. **Med Welt** 1982 May 28;33(21):797–8 **(Ger)**

[Carbohydrate metabolism in bezafibrate therapy. Controlled study of glibenclamide–treated diabetics with hyperlipidemia] Janka HU, et al. **MMW** 1982 May 28; 124(21):535–7 **(Ger)**

[Clinical trial with a new oral antidiabetic, gliclazid, in general practice (author's transl)] Villiger U. **Praxis** 1982 Apr 20;71(16):699–704 (Eng. Abstr.) **(Ger)**

[Programmed insulin infusion as an attempt at long–term therapy of diabetes mellitus] Hepp KD. **Verh Dtsch Ges Inn Med** 1981;87:1429–31 **(Ger)**

[Effect of beta receptor blockers on carbohydrate metabolism] Bretzke G. **Z Arztl Fortbild (Jena)** 1981 Sep 15;75(18):859–60 **(Ger)**

[The use of artificial beta–cells or programmed insulin infusions in the therapy of insulin–dependent diabetes mellitus] Bruns W, et al. **Z Gesamte Inn Med** 1981 Sep 1;36(17):625–7 (Eng. Abstr.) **(Ger)**

[Effect of glibenclamide therapy on carbohydrate and lipid metabolism and insulin secretion in patients with glucose tolerance disorders : a 5–year study] Ratzmann KP, et al. **Z Gesamte Inn Med** 1981 Dec 1;36(23):913–7 (Eng. Abstr.) **(Ger)**

[The choice of insulin in the treatment of diabetes] **Harefuah** 1982 Jan 15;102(2):83–4 **(Heb)**

[Treatment of diabetes by continuous insulin infusion (editorial)] Kisch ES. **Harefuah** 1981 Apr 1;100(7):348–9 **(Heb)**

[Treatment of unstable diabetes by continuous subcutaneous infusion of insulin] Capani F, et al. **Boll Soc Ital Biol Sper** 1981 Jul 15;57(13):1424–6 (Eng. Abstr.) **(Ita)**

[Critical considerations on hyperlactacidemia induced by biguanides] Lunetta M, et al. **Clin Ter** 1981 Mar 15; 96(5):475–86 (Eng. Abstr.) **(Ita)**

[Clinical aspects of NPH purified porcine insulin in the treatment of diabetes (author's transl)] Kobayashi M, et al. **Horumon To Rinsho** 1982 Feb;30(2):197–200 **(Jpn)**

[Significance of insulin assay in the sera of insulin–treated patient by enzyme immunoassay 'insulotic Mochida' (author's transl)] Nishizawa Y. **Horumon To Rinsho** 1982 Apr;30(4):397–401 **(Jpn)**

[Effect of long–term therapy with a new sulfonylurea derivative SPC–703 on the endocrine function of the pancreas in adult–onset diabetic patients] Berliński E, et al. **Endokrynol Pol** 1981 Mar–Apr;32(2):117–24 (Eng. Abstr.) **(Pol)**

[Effect of trental on indices kidney function in diabetes mellitus] Blagosklonnaia IaV, et al. **Probl Endokrinol (Mosk)** 1982 May–Jun;28(3):3–8 (Eng. Abstr.) **(Rus)**

[Experience with using hydrolysin and anabolic steroids in the combined treatment of diabetes mellitus] Dubinina II. **Sov Med** 1981;(7):99–101 **(Rus)**

[Changes in the sensitivity of adipose tissue to insulin during the treatment of diabetic patients] Iaroshevskiĭ IuA. **Sov Med** 1981;(11):38–40 (Eng. Abstr.) **(Rus)**

[Efficacy of gliclazide in short and long–term therapy of older persons with noninsulin–dependent diabetes] Djurić DS, et al. **Srp Arh Celok Lek** 1982 Nov;109(11):1503–9 (Eng. Abstr.) **(Scc)**

[Clinical application of open–loop systems for blood glucose control (author's transl)] Granić M, et al. **Lijec Vjesn** 1980; 102(11):657–60 (Eng. Abstr.) **(Scr)**

[Treatment of diabetics with the Auto–syringe pump for the continuous infusion of insulin by the subcutaneous route] Costa Gil JE, et al. **Rev Clin Esp** 1982 Mar 31;164(6):377–81 (Eng. Abstr.) **(Spa)**

ENZYMOLOGY

Platelet monoamine oxidase activity in diabetics. Azevedo M, et al. **Acta Med Port** 1980 Sep–Dec;2(5–6):369–76

Characterization of beta–hexosaminidase from liver and sera of diabetic patients and controls. Alhadeff JA, et al. **Biochem Med** 1982 Apr;27(2):214–25

Dopamine beta–Hydroxylation in diabetes ane diabetic autonomic neuropathy. Hoeldtke RD, et al. **Biochem Med** 1981 Aug;26(1):67–76

Effect of genetic diabetes on beta–N–acetylglucosaminidase activity in plasma, conjunctiva, muscle and kidney cortex

of mice. Rao GM. **Biomedicine** 1981 Oct;35(5):159–61
Non-enzymatic glucosylation of fibrinogen. McVerry BA, et al. **Haemostasis** 1981;10(5):261–70
Glycogen synthase and phosphorylase activities in skeletal muscle from genetically diabetic (db/db) mice. Benzo CA, et al. **Horm Metab Res** 1982 Mar;14(3):130–3
The effect of diabetes on the activities of the peroxide metabolism enzymes. Matkovics B, et al. **Horm Metab Res** 1982 Feb;14(2):77–9
Effect of genetic diabetes on beta-N-acetylglucosaminidase activity in tears and retina. Rao GM. **Horm Metab Res** 1981 Sep;13(9):533–4
Plasma cryoactivated renin and active renin in diabetes mellitus. Manchandia MR, et al. **J Clin Endocrinol Metab** 1981 Nov;53(5):1025–9
Trehalase activity in genetically diabetic mice (serum, kidney, and liver). Baumann FC, et al. **J Med Genet** 1981 Dec; 18(6):418–23
Triglyceride lipase activity in the diabetic rat heart. Rösen P, et al. **J Mol Cell Cardiol** 1981 Jun;13(6):539–50
Lipoprotein lipase activity in adipose tissue and skeletal muscle of human diabetics during insulin deprivation and restoration. Taskinen MR, et al. **Scand J Clin Lab Invest** 1981 May;41(3):263–8
Increased platelet phospholipase activity in diabetic subjects. Takeda H, et al. **Thromb Res** 1981 Oct 1–15;24(1–2):131–41
[Neutrophil alkaline phosphatase activity in diabetics and their blood relations (author's transl)] Malasková V, et al. **Cas Lek Cesk** 1982 Jun 4;121(22):681–3 (Eng. Abstr.) **(Cze)**
[Enzymes and cytochemical indices of the peripheral blood neutrophilic granulocytes in diabetics] Palimąka W. **Folia Med Cracov** 1981;23(2):233–56 (Eng. Abstr.) **(Pol)**
[Gamma-glutamyl transpeptidase in diabetes mellitus] Rodriguez Cuartero A, et al. **Rev Clin Esp** 1981 Aug 15–31; 162(3–4):137–9 (Eng. Abstr.) **(Spa)**

ETIOLOGY

Systemic blastomycosis with associated diabetes insipidus. Kelly PM. **Ann Intern Med** 1982 Jan;96(1):66–7
What is diabetes? Watkins PJ. **Br Med J [Clin Res]** 1982 Jun 5;284(6330):1690–2
Pancreatic isleitis with coxsackie virus B5 infection. Ahmad N, et al. **Hum Pathol** 1982 Jul;13(7):661–2
Stress as a diabetogenic factor [letter] Bijlani RL, et al. **Indian J Physiol Pharmacol** 1981 Apr–Jun;25(2):184–8
Seasonal incidence of insulin-dependent diabetes (IDDM) in Massachusetts, 1964–1973. Gleason RE, et al. **Int J Epidemiol** 1982 Mar;11(1):39–45
Development of insulin-dependent diabetes mellitus during the hemolytic-uremic syndrome. Andreoli SP, et al. **J Pediatr** 1982 Apr;100(4):541–5
Fat location in obese women forewarns of diabetes risk [news] Macek C. **JAMA** 1982 Feb 12;247(6):731, 735
The pathogenesis of non-insulin-dependent diabetes: an update. DeFronzo RA, et al. **Medicine (Baltimore)** 1982 May;61(3):125–40 (159 ref.)
Coxsackie B viruses and autoimmune diabetes [letter] Vague P, et al. **N Engl J Med** 1981 Nov 5;305(19):1157–8
Uncontrolled diabetes mellitus due to gastroparesis diabeticorum: treatment with metoclopramide. Muls EE, et al. **Postgrad Med J** 1981 Mar;57(665):185–8
[Etiology of diabetes] Akerblom H. **Duodecim** 1981; 97(12):782–93 **(Fin)**
[Etiology and pathogenesis of insulin-dependent diabetes] Lefebvre P. **Rev Med Interne** 1982 Mar;3(1):7–9 **(Fre)**
[New aspects in the pathogenesis of diabetes mellitus] Schöffling K. **Verh Dtsch Ges Inn Med** 1981;87:12–24 **(Ger)**
[Anesthesia for a patient with pituitary gigantism accompanied with secondary diabetes mellitus (author's transl)] Ogawa H, et al. **Masui** 1981 Jun;30(6):607–12 (Eng. Abstr.) **(Jpn)**
[Diabetogenic role of obesity] Baranov VG, et al. **Klin Med (Mosk)** 1981 Aug;59(8):22–5 (Eng. Abstr.) **(Rus)**
[Role of viruses in the etiology of endocrine diseases] Solodovnikova IA, et al. **Probl Endokrinol (Mosk)** 1981 Jul–Aug;27(4):66–72 (99 ref.) **(Rus)**
[Diabetes mellitus and the HLA system] Vasiukova EA, et al. **Probl Endokrinol (Mosk)** 1981 Jul–Aug;27(4):77–83 (116 ref.) **(Rus)**
[Current aspects of diabetology] Balabolkin MI. **Sov Med** 1981;(11):74–9 (17 ref.) **(Rus)**
[Diabetes mellitus and the HLA system] Balabolkin MI, et al. **Ter Arkh** 1981;53(5):144–50 (124 ref.) **(Rus)**
[Acute cholecystitis associated with satellite pancreatitis and intercurrent diabetes] Omanik S, et al. **Rozhl Chir** 1981 Jul;60(7):454–60 (Eng. Abstr.) **(Slo)**

FAMILIAL & GENETIC

Increase of HLA haplotype A9-Bw16 in familial insulin-dependent diabetes mellitus in northern-Finland. Ilonen J, et al. **Acta Diabetol Lat** 1982 Apr–Jun; 19(2):167–74
Transient neonatal diabetes mellitus in half sisters. A sequel. Coffey JD Jr, et al. **Am J Dis Child** 1982 Jul;136(7):626–7
Identifying risk factors for diabetes in first degree relatives of non-insulin dependent diabetic patients. Beaty TH, et al. **Am J Epidemiol** 1982 Mar;115(3):380–97
Pittsburgh diabetes mellitus study. II. Secondary attack rates in families with insulin-dependent diabetes mellitus. Wagener D, et al. **Am J Epidemiol** 1982 Jun;115(6):868–78
HLA antigens in four Pacific populations with non-insulin-dependent diabetes mellitus. Serjeantson SW, et al. **Ann Hum Biol** 1982 Jan–Feb;9(1):69–84
HLA genotype distribution and genetic models of insulin-dependent diabetes mellitus. Svejgaard A, et al. **Ann Hum Genet** 1981 Jul;45(Pt 3):293–8
Glyoxalase phenotypes in patients with diabetes mellitus. McCann VJ, et al. **Aust NZ J Med** 1981 Aug;11(4):380–2
Familial optic atrophy with diabetes mellitus. Wilson JD, et al. **Aust NZ J Med** 1982 Feb;12(1):48–51
Benefits of HLA typing a family with diabetes. Cox JW, et al. **Aust Paediatr J** 1981 Sep;17(3):224–5
Genetic counselling in insulin-dependent diabetes [editorial] Kirk RL. **Aust Paediatr J** 1981 Sep;17(3):165
Insulin biosynthesis and diabetes mellitus. Permutt A, et al. **Clin Biochem** 1981 Oct;14(5):230–6 (47 ref.)
Genetic heterogeneity of diabetes and HLA. Barbosa J, et al. **Clin Genet** 1982 Jan;21(1):25–32
Second International Conference on the Genetics of Diabetes Mellitus. Freiburg, Federal Republic of Germany, 9–11 April 1981. Abstracts. **Diabetologia** 1981 Jul;21(1):76–84
Prevalence of diabetes mellitus, coronary heart disease and hypertension in the families of insulin dependent and insulin independent diabetics. Królewski AS, et al. **Diabetologia** 1981 Dec;21(6):520–4
Family histories of diabetes among Japanese patients with type 1 (insulin-dependent) and type 2 (non-insulin-dependent) diabetes. Kuzuya T, et al. **Diabetologia** 1982 May;22(5):372–4
Type I (insulin dependent) diabetes mellitus. Is there strong evidence for a non-HLA linked gene? Suarez BK, et al. **Diabetologia** 1981 May;20(5):524–9
HLA-A2 and type 2 (insulin independent) diabetes mellitus in Pima Indians: an association of allele frequency with age. Williams RC, et al. **Diabetologia** 1981 Nov;21(5):460–3
The Bf system in diabetes--gene interaction or linkage disequilibrium? Wolf E, et al. **Diabetologia** 1982 Feb; 22(2):85–8
Kearns syndrome: a heterogeneous group of disorders with CPEO, or a nosological entity? Bastiaensen LA, et al. **Doc Ophthalmol** 1982 Jan 29;52(3–4):207–25
Genetic heterogeneity in diabetes mellitus and diabetic microangiopathy. Rimoin DL, et al. **Horm Metab Res [Suppl]** 1981;11:63–72
Alleles of the second component of complement (C2) in insulin-dependent diabetes mellitus. Dornan J, et al. **Hum Hered** 1981;31(4):211–3
Genetics of insulin dependent diabetes mellitus in Israel: population and family study. Brautbar C, et al. **Hum Immunol** 1981 Aug;3(1):1–12
Age and sex variations in glucose tolerance and insulin responses: parallels with cardiovascular risk. Orchard TJ, et al. **J Chronic Dis** 1982 Feb;35(2):123–32
Genetics of insulin-dependent diabetes [editorial] **Lancet** 1982 Jan 30;1(8266):263
DNA insertion sequences near the insulin gene affect glucose regulation. Owerbach D, et al. **Lancet** 1982 Apr 17; 1(8277):880–3
Heterogeneity of maturity onset diabetes at young age (MODY) [letter] Panzram G, et al. **Lancet** 1981 Oct 31; 2(8253):986
Human evolution and insulin-dependent (IDD) and non-insulin dependent diabetes (NIDD). Cahill GF Jr. **Metabolism** 1979 Apr;28(4 Suppl 1):389–93 (36 ref.)
HLA-A, B, C, DR antigens, Bf, C4 and glyoxalase I (GLO) polymorphisms in French Basques with insulin-dependent diabetes mellitus (IDDM). Cambon-de Mouzon A, et al. **Tissue Antigens** 1982 May;19(5):366–79
HLA-A3, B7 linkage disequilibrium in hemochromatotic patients with or without insulin dependent diabetes. Saddi R, et al. **Tissue Antigens** 1981 May;17(5):473–9
[Serum lipids in early stages of diabetes (author's transl)] Dvořáková L, et al. **Cesk Gastroenterol Vyz** 1982 Jan; 36(1):9–13 (Eng. Abstr.) **(Cze)**
[Mason diabetes] Groop L. **Duodecim** 1981;97(11):699–702 **(Fin)**
[Inheritance of insulin-dependent diabetes mellitus in relation to the HLA system (author's transl)] Deschamps I, et al. **Sem Hop Paris** 1982 Jan 21;58(3):153–7 **(Fre)**
[Genetics of diabetes mellitus] Köbberling J. **Z Gesamte Inn Med** 1981 Jun 1;36(11):360–3 (Eng. Abstr.) **(Ger)**
[The cardiovascular risk profile in patients with disorders of glucose tolerance (borderline diabetes) dependent on the heredity of the diabetes] Schneider H, et al. **Z Gesamte Inn Med** 1981 Apr 1;36(7):241–3 (Eng. Abstr.) **(Ger)**
[The cardiovascular risk profile in persons with normal glucose tolerance with reference to the familial occurrence of diabetes mellitus] Schneider H, et al. **Z Gesamte Inn Med** 1981 May 1;36(9):298–300 (Eng. Abstr.) **(Ger)**
[The influence of diabetes heredity on cardiovascular risk profile in patients with high age diabetes (author's transl)] Schneider H, et al. **ZFA (Dresden)** 1981;36(2):137–41 (Eng. Abstr.) **(Ger)**
[Platelet factor 3 and 4 in juvenile diabetes and in children of diabetic mothers] Calabrese S, et al. **Minerva Med** 1981 Sep 19;72(34):2255–60 (Eng. Abstr.) **(Ita)**
[Acute phase insulin secretion in women with known familial diabetes mellitus and large neonates (author's transl)] Arteaga A, et al. **Rev Med Chil** 1981 Apr;109(4):295–302 (Eng. Abstr.) **(Spa)**

HISTORY

Ants distinguish diabetes mellitus from diabetes insipidus [letter] Trowell HC. **Br Med J [Clin Res]** 1982 Jul 17; 285(6336):217
Classification and pathogenesis of the diabetes syndrome: a historical perspective. Whitehouse FW. **J Am Diet Assoc** 1982 Sep;81(3):243–6
A case of diabetes mellitus [letter] **N Engl J Med** 1982 Jul 8;307(2):127–8
A case of diabetes mellitus. Burrow GN, et al. **N Engl J Med** 1982 Feb 11;306(6):340–3
[Perspectives in diabetology (from yesterday to today)] Dérot M. **Bull Mem Acad R Med Belg** 1981;136(8–9):435–42 **(Fre)**
[Oskar Minkowski (1858–1931)] Kaiser W, et al. **Z Gesamte Inn Med** 1981 Dec 15;36(24):973–9 **(Ger)**
[50th anniversary of the death of Oskar Minkowski, discoverer of pancreatic diabetes] Angeli I. **Orv Hetil** 1981 Jul 12;122(28):1726–9 **(Hun)**
[Historically assembled profile of diabetic disease (from Ebers' papyrus to Banting and Best)] Brillante C, et al. **Minerva Med** 1982 Apr 21;73(17):1087–106 **(Ita)**

IMMUNOLOGY

The role of circulating immune complexes in the pathogenesis of diabetes mellitus. Kilpatrick JM, et al. **Acta Diabetol Lat** 1982 Apr–Jun;19(2):107–39
Neutrophil and lymphocyte function in patients with diabetes mellitus. Valerius NH, et al. **Acta Med Scand** 1982; 211(6):463–7
Monocyte functions in diabetes mellitus. Geisler C, et al. **Acta Pathol Microbiol Immunol Scand [C]** 1982 Feb; 90(1):33–7
Hyperlabile diabetes accompanied by insulin resistance. Renie A, et al. **Clin Chem** 1981 Aug;27(8):1463–4
Glycaemic control and suppressor cell activity in patients with insulin-dependent diabetes mellitus. Buschard K, et al. **Clin Exp Immunol** 1982 Apr;48(1):189–95
Prevalence of antibodies to nucleic acids in insulin-dependent diabetics and their relatives. Huang SW, et al. **Diabetes** 1981 Oct;30(10):873–4
The BB diabetic rat. Profound T-cell lymphocytopenia. Jackson R, et al. **Diabetes** 1981 Oct;30(10):887–9
Insulin, pancreatic polypeptide, and glucagon antibodies in insulin-dependent diabetes mellitus. Asplin CM, et al. **Diabetes Care** 1981 May–Jun;4(3):337–42
Age-related association of insulin-dependent diabetes mellitus with BfF1 and the HLA-B18, BfF1 haplotype. Bertrams J, et al. **Diabetologia** 1981 Jul;21(1):47–9
Lymphocytes from diabetics suppress insulin release in vitro. Boitard C, et al. **Diabetologia** 1981 Jul;21(1):41–6
Determination of insulin specific IgE in serum of diabetic patients by solid-phase radioimmunoassay. Falholt K. **Diabetologia** 1982 Apr;22(4):254–7
Insulin antibodies [letter] Mincu I, et al. **Diabetologia** 1981 Jul;21(1):75
Increased 125I-labelled concanavalin A binding to erythrocytes in diabetes mellitus. Okada Y, et al. **Diabetologia** 1982 Mar;22(3):212–4
Reduced Coxsackie antibody titres in type 1 (insulin-dependent) diabetic patients presenting during an outbreak of Coxsackie B3 and B4 infection. Palmer JP, et al. **Diabetologia** 1982 Jun;22(6):426–9
Islet cell surface antibodies in type 1 (insulin-dependent) diabetes mellitus: use of human fetal pancreas cultures as substrate. Pujol-Borrell R, et al. **Diabetologia** 1982 Feb; 22(2):89–95
Soluble immune complexes in patients with diabetes mellitus: detection and pathological significance. Virella G, et al. **Diabetologia** 1981 Sep;21(3):184–91
A review of HLA antigens longstanding IDDM with and without severe retinopathy Christy M, et al. **Horm Metab Res [Suppl]** 1981;11:73–7
Possible role of isoantibodies to pancreatic antigens in diabetes. Tripathi KK, et al. **Indian J Exp Biol** 1982 Feb; 20(2):112–6
Histocompatability antigens and immunoglobulin G insulin antibodies in Mexican-American insulin-dependent diabetic patients. Zeidler A, et al. **J Clin Endocrinol Metab** 1982 Mar;54(3):569–73
Pancreatic islet cell and thyroid antibodies, and islet cell function in diabetic patients of Mexican-American origin. Zeidler A, et al. **J Clin Endocrinol Metab** 1982 May; 54(5):949–54
Autoimmunity in type I (insulin-dependent) diabetes mellitus in North India. Srikanta S, et al. **J Clin Immunol** 1981 Jul; 1(3):169–73
Development of a single numerical expression for the results of multiple screening tests for immune complexes in diabetic patients: use in statistical comparison of clinically and biochemically defined patient populations. Kilpatrick JM, et al. **J Clin Lab Immunol** 1982 Apr;7(3):163–6
Neutrophil chemotaxis in infants of diabetic mothers and in preterms at birth. Mohandes AE, et al. **J Clin Lab Immunol** 1982 Jun;8(2):117–20
Abnormalities of immunoregulatory T cell subsets in patients with insulin-dependent diabetes mellitus. Horita M, et al.

J Immunol 1982 Oct;129(4):1426–9

Evidence for a long prediabetic period in type I (insulin-dependent) diabetes mellitus. Gorsuch AN, et al. **Lancet** 1981 Dec 19–26;2(8260–61):1363–5

Diabetes mellitus, endocrine autoantibodies, and prenatal rubella infection [letter] Schopfer K, et al. **Lancet** 1982 Jul 17;2(8290):159

HLA antigens in type I (insulin-dependent) diabetes mellitus in North India. Srikanta S, et al. **Metabolism** 1981 Oct; 30(10):992–3

Increased Ia-antigen-bearing T cells in type I diabetes mellitus [letter] Goodwin JS. **N Engl J Med** 1982 Aug 26; 307(9):557

Increased circulating Ia-antigen-bearing T cells in type I diabetes mellitus. Jackson RA, et al. **N Engl J Med** 1982 Apr 1;306(13):785–8

Immune complexes and diabetes mellitus [letter] Massa MC, et al. **N Engl J Med** 1981 Oct 8;305(15):894

Autoimmunity and the aetiology of insulin-dependent diabetes mellitus [news] Kahn CR. **Nature** 1982 Sep 2; 299(5878):15–6

The association of bacteriuria and reduced serum pyridoxal concentrations in patients with diabetes mellitus. Davis RE, et al. **Pathology** 1981 Jul;13(3):587–91

Unexpected lower prevalence of HBsAg in diabetics than in controls. (A study on 2,465 patients). Bedarida G, et al. **Ric Clin Lab** 1982 Apr–Jun;12(2):409–15

Impaired granulocyte function in patients with diabetes mellitus. Kaneshige H, et al. **Tokai J Exp Clin Med** 1982 Jan;7(1):77–80

Islet cell antibodies and diabetes in Nigerians. Oli JM, et al. **Trop Geogr Med** 1981 Jun;33(2):161–4

[HLA and diabetes in Chinese (author's transl)] Zhao TM. **Chung Hua Nei Ko Tsa Chih** 1981 Sep;20(9):515–7 **(Chi)**

[Insulin resistance: etiology, pathogenesis and therapeutic possibilities] Koivisto V. **Duodecim** 1981;97(12):825–36 **(Fin)**

[Immunity of autoantibodies to islands of Langerhans in diabetics] Boitard C, et al. **Nouv Presse Med** 1981 Sep 26; 10(34):2787–9 **(Fre)**

[Glucagon antibodies in the blood of insulin-treated diabetics (effect of monospecific and monocomponent insulin therapy on antibody level)] Korányi L, et al. **Orv Hetil** 1981 Jun 7;122(23):1371–4 **(Hun)**

[Leukocyte migration inhibition and antibody levels in diabetes mellitus] Rózsás Z, et al. **Orv Hetil** 1981 Aug 30; 122(35):2157–9 **(Hun)**

[Diabetes and autoimmune diseases. II] Bargero G, et al. **Arch Sci Med (Torino)** 1981 Oct–Dec;138(4):571–83 (122 ref.) (Eng. Abstr.) **(Ita)**

[HLA and diabetes mellitus] Kawa A. **Nippon Rinsho** 1982 Feb;40(2):335–41 (20 ref.) **(Jpn)**

[Insulin receptor abnormality] Shigeta Y. **Nippon Rinsho** 1982 Feb;40(2):382–6 **(Jpn)**

[Risk factors and pathways of bacterial infection in the clinical aspects of internal diseases] Smolenskiĭ VS, et al. **Klin Med (Mosk)** 1981 Nov;59(11):74–7 **(Rus)**

[Nature of the disturbance of immune protection in diabetes mellitus and its correction with levamisole] Potemkin VV, et al. **Probl Endokrinol (Mosk)** 1982 Jan–Feb;28(1):17–21 (Eng. Abstr.) **(Rus)**

[Phagocytic function of polymorphonuclear leukocytes in various forms of diabetes mellitus] Zalevskaia AG, et al. **Probl Endokrinol (Mosk)** 1981 Jul–Aug;27(4):24–6 **(Rus)**

[Body inflammatory reaction in suppurative surgical infections against a background of diabetes mellitus] Magomedov AA. **Sov Med** 1981;(4):108–9 **(Rus)**

[Causes of the development and chronic course of inflammatory diseases in diabetes mellitus] Zhukov NA, et al. **Ter Arkh** 1982;54(2):99–101 (Eng. Abstr.) **(Rus)**

[Cellular and humoral immunity in diabetes with and without complications (preliminary communication)] Redžepagić B, et al. **Med Arh** 1981;35(5–6):271–5 (Eng. Abstr.) **(Scr)**

[Effect of monocomponent insulin serum anti-insulin antibody levels (author's transl)] García de los Ríos M, et al. **Rev Med Chil** 1981 Jun;109(6):509–15 (Eng. Abstr.) **(Spa)**

METABOLISM

The effect of ketone bodies and dietary carbohydrate intake on protein metabolism. Sherwin RS. **Acta Chir Scand [Suppl]** 1981;507:30–40

Immunoreactive insulin and C-peptide responses to various insulin secretory stimuli in subjects with type 2 diabetes and in control subjects during continuous glucose monitoring. Ahrén B, et al. **Acta Med Scand** 1981; 210(5):337–48

Effects of sulfonylurea on the secretion and disposition of insulin and C-peptide. Almér LO, et al. **Acta Med Scand [Suppl]** 1981;656:11–8

Plasma insulin and C-peptide in normal and glucose intolerant males: the role of hepatic insulin uptake. Malmquist J, et al. **Acta Med Scand [Suppl]** 1981;656:19–21

Metabolism of operated diabetic. Rybka J. **Acta Univ Carol [Med] (Praha)** 1980;26(1–2):3–88 (311 ref.)

Metabolic response of normal man and insulin-infused diabetics to postprandial exercise. Nelson JD, et al. **Am J Physiol** 1982 May;242(5):E309–16

Blood glucose control and diabetic microangiopathy. Cheah JS. **Ann Acad Med Singapore** 1981 Jul;10(3):383–8

Biochemical differences in human glomerular basement membrane related to diabetes and age. De Bats A, et al. **Ann Clin Biochem** 1982 Jan;19(Pt 1):17–21

Chromium (III) metabolism by the kidney. Donaldson DL, et al. **Ann Clin Lab Sci** 1981 Sep–Oct;11(5):377–85 (62 ref.)

Respiratory failure and diabetic control [letter] Block MB. **Ann Intern Med** 1982 Apr;96(4):538

Folic acid absorption test in various clinical conditions. Botez MI, et al. **Ann Nutr Metab** 1981;25(6):389–95

Lipid metabolism in non-insulin-dependent diabetes mellitus: effect of glipizide therapy. Greenfield MS, et al. **Arch Intern Med** 1982 Aug;142(8):1498–1500

Plasma binding of fluorescein in normal subjects and in diabetic patients. Palestine AG, et al. **Arch Ophthalmol** 1982 Jul;100(7):1160–1

Fatty acid and glucose incorporation into human adipose tissue in non-insulin-dependent diabetes and in insulinoma. Inverse relations with plasma triglyceride and glucose concentrations. Rubba P, et al. **Atherosclerosis** 1982 Mar; 42(1):31–40

Circulating gonadotrophins and urinary oestrogens in postmenopausal diabetic women. Quinn MA, et al. **Aust NZ J Obstet Gynaecol** 1981 Nov;21(4):234–6

Studies of liver lipids in normal, alloxan-diabetic and pregnancy-toxaemic sheep. Henderson GD, et al. **Biochim Biophys Acta** 1982 Feb 15;710(2):236–41

Reversal of glucose-induced hyperkalemia by sodium restriction in normaldosteronemic diabetes: evidence for elevated mineralocorticoid threshold. Rado JP. **Biomedicine** 1981 Sep;35(4):109–11

Metformin kinetics in healthy subjects and in patients with diabetes mellitus. Tucker GT, et al. **Br J Clin Pharmacol** 1981 Aug;12(2):235–46

High-fibre and low-fat diets in diabetes mellitus. Dodson PM, et al. **Br J Nutr** 1981 Sep;46(2):289–94

Absorption of isophane (NPH) insulin and its clinical implications. Lauritzen T, et al. **Br Med J [Clin Res]** 1982 Jul 17;285(6336):159–62

ABC of diabetes. Nussey AM. **Br Med J [Clin Res]** 1982 Sep 11;285(6343):740–1

Production of 6-oxo-prostaglandin F1 alpha and prostaglandin E2 by isolated glomeruli from normal and diabetic rats. Rogers SP, et al. **Br Med J [Clin Res]** 1982 Apr 24;284(6324):1215–7

Renal hypouricaemia in insulin treated diabetes mellitus. Gotfredsen A, et al. **Clin Chim Acta** 1982 Apr 23; 120(3):355–61

The significance of the portal insulin secretion in insulin dependent patients with residual beta-cell function: a safeguard against hormonal and metabolic derangement. Madsbad S, et al. **Clin Endocrinol (Oxf)** 1982 Jun; 16(6):605–13

Kinetics of subcutaneous NPH insulin in diabetics. Kølendorf K, et al. **Clin Pharmacol Ther** 1982 Apr;31(4):494–500

The role of glucagon in diabetes. Unger RH, et al. **Compr Ther** 1982 Jan;8(1):53–9

Enzymatic adaptations of skeletal muscle to endurance exercise. Holloszy O. **Curr Probl Clin Biochem** 1982; 11:118–21

Substrate metabolism during exercise in normal and diabetic man. Wahren J. **Curr Probl Clin Biochem** 1982;11:57–68

Morphological and biochemical observations on hepatic glycogen metabolism in genetically diabetic (db/db) mice. Hammad ES, et al. **Diabete Metab** 1982 Jun;8(2):147–53

The risk of pronounced hyperkalaemia after arginine infusion in the diabetic subject. Massara F, et al. **Diabete Metab** 1981 Sep;7(3):149–53

Enhanced glucose utilization during prolonged glucose clamp studies. Doberne L, et al. **Diabetes** 1981 Oct;30(10):829–35

Insulin binding and insulin action in fibroblasts from patients with maturity-onset diabetes of the young. Gelehrter T, et al. **Diabetes** 1981 Nov;30(11):940–6

The role of 'diabetogenic' hormones on carbohydrate and lipid metabolism following oral glucose loading in insulin dependent diabetics: effects of acute hormone administration. Bratusch-Marrain P, et al. **Diabetologia** 1981 Oct;21(4):387–93

Correlation between fasting serum C-peptide and B cell insulin secretory capacity in diabetes mellitus [letter] Garcia-Webb P, et al. **Diabetologia** 1982 Apr;22(4):296

Insulin responsiveness of superficial forearm tissues in type 2 (non-insulin dependent) diabetes. Kalant N, et al. **Diabetologia** 1982 Apr;22(4):239–44

Surface binding, internalization and degradation by cultured human fibroblasts of low density lipoproteins isolated from type 1 (insulin-dependent) diabetic patients: changes with metabolic control. Lopes-Virella MF, et al. **Diabetologia** 1982 Jun;22(6):430–6

Failure of indomethacin to affect arginine-induced C-peptide and glucagon release in insulin-treated diabetics. Major role of residual B cell function in conditioning the magnitude of the blood glucose rise after intravenous arginine. Luyckx AS, et al. **Diabetologia** 1981 Oct;21(4):376–82

Growth hormone and metasomatotrophic diabetes: effects on insulin and proinsulin of serum and pancreas in dogs. Pierluissi J, et al. **Diabetologia** 1981 Dec;21(6):558–62

The effect of chronic insulin therapy on phosphate metabolism in diabetes mellitus. Raskin P, et al. **Diabetologia** 1981 Jul;21(1):50–3

Lipoprotein lipase activity and serum lipoproteins in untreated type 2 (insulin-independent) diabetes associated with obesity. Taskinen MR, et al. **Diabetologia** 1982 Jan; 22(1):46–50

The effect of diabetes on mevalonate metabolism in the rat. Wiley MH, et al. **Diabetologia** 1982 Feb;22(2):118–21

Clonidine and glucose intolerance. Webster WB Jr, et al. **Drug Intell Clin Pharm** 1982 Apr;16(4):325–8

Renal hypomagnesaemia in human diabetes mellitus: its relation to glucose homeostasis. McNair P, et al. **Eur J Clin Invest** 1982 Feb;12(1):81–5

Insulin receptor binding increased by high carbohydrate low fat diet in non-insulin-dependent diabetics. Ward GM, et al. **Eur J Clin Invest** 1982 Apr;12(2):93–6

Influence of sulfonylureas on the secretion, disposal and effect of insulin. Almér LO, et al. **Eur J Clin Pharmacol** 1982;22(1):27–32

A study of the possible interaction of indoprofen with hypoglycemic sulfonylureas in diabetic patients. Pedrazzi F, et al. **Eur J Rheumatol Inflamm** 1981;4(1):26–31

The effect of diabetes mellitus and its treatment on the lithogenesity of bile in man. Kajiyama G, et al. **Hiroshima J Med Sci** 1981 Sep;30(3):221–7

Magnesium levels of plasma, erythrocyte and urine in patients with diabetes mellitus. Fujii S, et al. **Horm Metab Res** 1982 Mar;14(3):161–2

Serum C peptide and IRI levels after administration of glucagon and glucose in non-insulin-dependent diabetics. Jayyab AK, et al. **Horm Metab Res** 1982 Mar;14(3):112–6

Exaggerated prolactin response to metoclopramide in non-insulin dependent diabetes mellitus. Krassowski J, et al. **Horm Metab Res** 1982 Mar;14(3):165

Reduced mitogenic action of insulin evaluated as 3H-thymidine uptake in diabetic cultured fibroblasts. Rotella CM, et al. **Horm Metab Res** 1981 Oct;13(10):565–9

Studies on amino acids in diabetic patients undergoing CAPD. Giordano C, et al. **Int J Artif Organs** 1981 Mar; 4(2):62–7

Improvement of insulin secretion but not insulin resistance after short term control of plasma glucose in obese type II diabetics. Hidaka H, et al. **J Clin Endocrinol Metab** 1982 Feb;54(2):217–22

Elevated plasma beta-hydroxybutyrate concentrations without ketonuria in healthy insulin-dependent diabetic patients. MacGillivray MH, et al. **J Clin Endocrinol Metab** 1982 Mar;54(3):665–8

Differential effects of tolbutamide on first and second phase insulin secretion in noninsulin-dependent diabetes mellitus. Pfeifer MA, et al. **J Clin Endocrinol Metab** 1981 Dec; 53(6):1256–62

Role of epinephrine-mediated beta-adrenergic mechanisms in hypoglycemic glucose counterregulation and posthypoglycemic hyperglycemia in insulin-dependent diabetes mellitus. Popp DA, et al. **J Clin Invest** 1982 Feb; 69(2):315–26

Hypoglycemic glucose counterregulation in patients with insulin-dependent diabetes mellitus. Cryer PE. **J Lab Clin Med** 1982 Apr;99(4):451–6

Reversal of complications of diabetes mellitus with improved metabolic control [letter] Dorchy D, et al. **J Pediatr** 1982 Feb;100(2):327–8

Trace elements in diabetes mellitus. Retnam VJ, et al. **J Postgrad Med** 1981 Jul;27(3):129–32

Glucose concentrations in parotid fluid and venous blood of patients attending a diabetic clinic. Forbat LN, et al. **J R Soc Med** 1981 Oct;74(10):725–8

Biochemistry of glomerular basement membrane of the normal and diabetic human. Wahl P, et al. **Kidney Int** 1982 May;21(5):744–9

Joint mobility in diabetes [letter] Highton J. **Lancet** 1982 Jan 9;1(8263):114

Role of nonenzymatic glycosylation in the development of the sequelae of diabetes mellitus. Cerami A, et al. **Metabolism** 1979 Apr;28(4 Suppl 1):431–7

A role for endogenous prostaglandins in defective glucose potentiation of nonglucose insulin secretagogues in diabetics. McRae JR, et al. **Metabolism** 1981 Nov; 30(11):1065–75

Evaluation of pancreatic exocrine function with the synthetic peptide BT-PABA in diabetes mellitus. Yokoyama J, et al. **Mt Sinai J Med (NY)** 1982 Jan–Feb;49(1):18–22

Clinica estimation of the renal threshold for glucose in persons with diabetes mellitus. Hite AM. **Nurs Res** 1982 May–Jun;31(3):153–8

Elderly diabetics [letter] Beaven DW. **NZ Med J** 1982 Jun 9;95(709):400

Effect of nifedipine on blood sugar, insulin and glucagon levels after an oral glucose load. Ferlito S, et al. **Panminerva Med** 1981 Apr–Jun;23(2):75–80

Somatostatin in human pancreatic and gastric juice. Arimura A, et al. **Peptides (Fayetteville)** 1981;2 Suppl 2:271–4

Blood sugar regulation during treatment with indapamide in hypertensive diabetics. Roux P, et al. **Postgrad Med J** 1981;57 Suppl 2:70–2

Nutrition and chronic disease. Tashev T. **Prog Clin Biol Res** 1981;77:783–90

Maillard reactions involving proteins and carbohydrates in vivo: relevance to diabetes mellitus and aging. Monnier VM, et al. **Prog Food Nutr Sci** 1981;5(1–6):315–27 (45 ref.)

Variations in chemical composition of human glomerular and tubular basement membranes with age and disease. Langeveld JP, et al. **Renal Physiol** 1980;3(1–6):63–71

Diabetes mellitus—practical aspects: serial determination of plasma insulin levels is useful method of determining type of diabetes. D'Allessandro FM. **RI Med J** 1982 Jun; 65(6):247–50

The insulin and glucose response to an oral glucose load

in non-insulin-dependent diabetes in the young. Jialal I, et al. **S Afr Med J** 1982 Mar 6;61(10):351-4

C-peptide response to glucagon in black and Indian insulin-dependent diabetics. Omar MA, et al. **S Afr Med J** 1982 Mar 13;61(11):395-7

[Metabolism of intravenously infused maltose in diabetic patients] Tai TY. **Taiwan I Hsueh Hui Tsa Chih** 1982 Feb; 81(2):135-44 (Eng. Abstr.) **(Chi)**

[Concept of cell-receptors in pathogenesis and clinics of diabetes mellitus (author's transl)] Syllaba J. **Cas Lek Cesk** 1982 Mar 19;121(11):321-6 (Eng. Abstr.) **(Cze)**

[Oral contraceptives and diabetes mellitus] Pedersen LM. **Ugeskr Laeger** 1982 Jan 25;144(4):261-3 **(Dan)**

[Diabetes mellitus and physical activity] Richter EA. **Ugeskr Laeger** 1982 Mar 8;144(10):691-7 (Eng. Abstr.) **(Dan)**

[Diabetes and exercise] Koivisto V. **Duodecim** 1981; 97(12):848-56 **(Fin)**

[Effects of diabetes mellitus on intermediary metabolism] Ylikahri R. **Duodecim** 1981;97(12):806-15 **(Fin)**

[Carbohydrate infusion in internal diseases. A comparative study in metabolically healthy patients, patients with liver diseases and diabetic patients. I. Physiopathologic aspects in the parenteral administration of monosaccharides] Luft D. **Infusionsther Klin Ernahr** 1981 Aug;8(4):163-71 (Eng. Abstr.) **(Ger)**

[Carbohydrate infusions in internal diseases. A comparative study on metabolically normal patients, patients with liver diseases and diabetics. Aims, execution and statistics of the studies in long-term infusion of carbohydrates] Malchow H, et al. **Infusionsther Klin Ernahr** 1981 Oct;8(5):218-23 (Eng. Abstr.) **(Ger)**

[Glycosylated hemoglobins and controlling diabetes] Bottermann P, et al. **Med Welt** 1982 Mar 5,33(9):329-33 **(Ger)**

[Effect of potassium deficiency on the metabolic adjustment in diabetics] Hausmann L, et al. **Med Welt** 1982 Jan 15; 33(2):66-70 **(Ger)**

[Glucose utilization of skeletal muscles: effect of muscle activity and diabetes mellitus] Berger M. **Verh Dtsch Ges Inn Med** 1981;87:1500-11 **(Ger)**

[The role of hyperglycemia in the pathobiochemistry of diabetes mellitus] Wieland OH. **Verh Dtsch Ges Inn Med** 1981;87:1-12 **(Ger)**

[Facts and problems of the structural clarification, determinative methods and clinical value of glycosylated hemoglobins] Gräfenstein K, et al. **Z Gesamte Inn Med** 1982 Mar 1;37(5):159-67 (134 ref.) (Eng. Abstr.) **(Ger)**

[Long-term effects of weight reduction on body weight and metabolic parameters in adipose non-diabetics and adipose maturity-onset diabetics] Schneider H, et al. **Z Gesamte Inn Med** 1981 Apr 1;36(7):301-4 (Eng. Abstr.) **(Ger)**

[Fatty acid composition of triglycerides in inflammatory liver diseases in diabetics with and without hyperlipoproteinemia] Singer P, et al. **Z Gesamte Inn Med** 1981 Aug 1;36(15):513-9 (Eng. Abstr.) **(Ger)**

[Diabetes and alcohol] Verlohren HJ. **Z Gesamte Inn Med** 1981 Aug 15;36(16):547-51 (Eng. Abstr.) **(Ger)**

[Influence of pentoxifylline on glycometabolic balance in diabetic subjects] Ferlito S, et al. **Clin Ter** 1981 Jun 30; 97(6):613-8 (Eng. Abstr.) **(Ita)**

[Neurohormonal and metabolic regulation of the critical patient] **Minerva Dietol Gastroenterol** 1981 Apr-Jun; 27(2):165-221 **(Ita)**

[Basal and stimulated blood gastrin and gastric acid secretion in diabetic patients] Uomo G, et al. **Minerva Dietol Gastroenterol** 1982 Jan-Mar;28(1):29-32 (Eng. Abstr.) **(Ita)**

[Changes in glucose metabolism and the Langerhans islet in the remnant pancreas after major pancreatectomy, with special reference to D cells in the islet in Sandmeyer's diabetes (author's transl)] Sekoguchi T. **Nippon Naibunpi Gakkai Zasshi** 1981 Jun 20;57(6):891-902 (Eng. Abstr.) **(Jpn)**

[Renin-angiotensin-aldosterone system in diabetes mellitus (author's transl)] Matsuda S, et al. **Nippon Naika Gakkai Zasshi** 1981 Apr 10;70(4):525-33 **(Jpn)**

[Circadian rhythm of tissue oxygen balance in diabetes mellitus] Dikker VE, et al. **Klin Med (Mosk)** 1982 Feb; 60(2):64-8 (Eng. Abstr.) **(Rus)**

[Effect of thyroidin on various indicators of lipid metabolism in diabetes mellitus] Airapetian EM. **Probl Endokrinol (Mosk)** 1981;27(6):18-20 **(Rus)**

[Metabolism of various biogenic amines in diabetes mellitus] Stoilov LD, et al. **Probl Endokrinol (Mosk)** 1981;27(6):3-6 (Eng. Abstr.) **(Rus)**

[Molecular aspects of diabetes mellitus: the regulation of insulin biosynthesis] Zühlke H, et al. **Probl Endokrinol (Mosk)** 1982 May-Jun;28(3):79-89 (121 ref.) **(Rus)**

[Pharmacometabolic capacity of the liver and the effect of pancreozymin in chronic hepatitis, chronic pancreatitis and diabetes mellitus] Geller LI, et al. **Ter Arkh** 1982;54(2):67-9 (Eng. Abstr.) **(Rus)**

[Insulin receptors and diabetes mellitus (review of the literature)] Germaniuk IaL. **Vrach Delo** 1982 Jun;(6):9-13 **(Rus)**

[Plasma prostaglandin content in diabetes mellitus] Koval' SN. **Vrach Delo** 1981 Oct;(10):77-80 (Eng. Abstr.) **(Rus)**

[Oxygen tension in the tissues and neutrophil enzymes in diabetes mellitus] Zelinskil BA, et al. **Vrach Delo** 1981 Jul; (7):24-7 (Eng. Abstr.) **(Rus)**

MICROBIOLOGY

Bacterial flora of the external canal in diabetics and non-diabetics. Salit IE, et al. **Laryngoscope** 1982 Jun;92(6 Pt 1):672-3

[Oral bacterial flora in diabetics] Calura G, et al. **Minerva Stomatol** 1982 Mar-Apr;31(2):221-6 (Eng. Abstr.) **(Ita)**

MORTALITY

Mortality as a function of obesity and diabetes mellitus. Pettitt DJ, et al. **Am J Epidemiol** 1982 Mar;115(3):359-66

The Bedford survey: ten year mortality rates in newly diagnosed diabetics, borderline diabetics and normoglycaemic controls and risk indices for coronary heart disease in borderline diabetics. Jarrett RJ, et al. **Diabetologia** 1982 Feb;22(2):79-84

Factors contributing to deaths of diabetics under fifty years of age. On behalf of the Medical Services Study Group and British Diabetic Association. Tunbridge WM. **Lancet** 1981 Sep 12;2(8246):569-72

Mortality related to cardiovascular disease and diabetes mellitus in a modernizing population. Crews DE, et al. **Soc Sci Med** 1982;16(2):175-81

Regional variations in mortality from diabetes. **Stat Bull Metropol Life Insur Co** 1982 Jan-Mar;63(1):8-11

[Life expectancy in diabetes mellitus] Petzoldt R, et al. **Lebensversicherungsmedizin** 1982 Feb 11;34(2):36-41 **(Ger)**

[Improvement of life-expectancy for diabetics through preventive measures] Standl E, et al. **Lebensversicherungsmedizin** 1982 Feb 11;34(2):33-6 (Eng. Abstr.) **(Ger)**

[Studies on prognosis of diabetes mellitus] Zabel-Langhennig R, et al. **Z Gesamte Inn Med** 1981 Jun 15;36(12):411-6 (Eng. Abstr.) **(Ger)**

[Comparison of causes of death in diabetics in the years 1965-1969 and 1970-1974 in the light of autopsy examinations performed in Łódź] Szosland K, et al. **Pol Tyg Lek** 1981 May 18;36(20):719-21 (Eng. Abstr.) **(Pol)**

NURSING

Categories of self-care needs of ambulatory patients with diabetes. Miller JF. **J Adv Nurs** 1982 Jan;7(1):25-31

The place of nurses in management of diabetes [editorial] **Lancet** 1982 Jan 16;1(8264):145-6

OCCURRENCE

The high incidence of diabetes mellitus in the micronesian population of Nauru. Zimmet P, et al. **Acta Diabetol Lat** 1982 Jan-Mar;19(1):75-9

Community screening for glucose intolerance in middle-aged Icelandic men. Deterioration to diabetes over a period of 7 1/2 years. Sigurdsson G, et al. **Acta Med Scand** 1981; 210(1-2):21-6

The Pittsburgh Insulin Dependent Diabetes Mellitus Registry: the relationship of insulin dependent diabetes mellitus incidence to social class. LaPorte RE, et al. **Am J Epidemiol** 1981 Sep;114(3):379-84

Prevalence of insulin-treated diabetes mellitus [letter] Hedley AJ, et al. **Br Med J [Clin Res]** 1982 Aug 14;285(6340):509

West Indian diabetic population of a large inner city diabetic clinic. Nikolaides K, et al. **Br Med J [Clin Res]** 1981 Nov 21;283(6303):1374-5

Prevalence rates of impaired glucose tolerance and diabetes mellitus in various Pacific populations according to the new WHO criteria. Zimmet P, et al. **Bull WHO** 1982; 60(2):279-82

Incidence of diabetes amongst people aged 18-50 years in nine British towns: a collaborative study. Barker DJ, et al. **Diabetologia** 1982 Jun;22(6):421-5

The ten-year follow-up of the Bedford survey (1962-1972): glucose tolerance and diabetes. Keen H, et al. **Diabetologia** 1982 Feb;22(2):73-8

Development of diabetes in Japanese subjects with impaired glucose tolerance: a seven year follow-up study. Sasaki A, et al. **Diabetologia** 1982 Mar;22(3):154-7

Type 2 (non-insulin-dependent) diabetes--an epidemiological overview. Zimmet P. **Diabetologia** 1982 Jun;22(6):399-411 (97 ref.)

Seasonal incidence of insulin-dependent diabetes (IDDM) in Massachusetts, 1964-1973. Gleason RE, et al. **Int J Epidemiol** 1982 Mar;11(1):39-45

Obesity and diabetes in Western Samoa. Taylor RJ, et al. **Int J Obes** 1981;5(4):367-76

Diabetes mellitus--a community perspective. Garrett WA Jr, et al. **J Med Assoc Ga** 1982 Mar;71(3):193-5

Diabetes mellitus and socioeconomic factors [editorial] **Lancet** 1982 Sep 4;2(8297):530-1

Diabetes and month of birth [letter] Spencer KM, et al. **Lancet** 1982 Feb 20;1(8269):449

Population-based studies of diabetes mellitus in Minnesota: rationale and methods. Wannamaker JL, et al. **Minn Med** 1982 Jul;65(7):429-31

The high prevalence of impaired glucose tolerance and diabetes mellitus in an isolated Polynesian population, Manihiki, Cook Islands. Weinstein S, et al. **NZ Med J** 1981 Dec 9;94(697):411-3

Diabetic surveys in Papua New Guinea - results and implications. Martin FI, et al. **Papua New Guinea Med J** 1981 Sep;24(3):188-94

Diabetes in a developing community. Epidemiology and management problems. Skene DJ, et al. **S Afr Med J** 1982 Mar 27;61(13):463-4

[A mass survey of diabetes mellitus in a population of 300,000 in 14 provinces and municipalities in China (author's transl)] **Chung Hua Nei Ko Tsa Chih** 1981 Nov;20(11):678-83 **(Chi)**

[The incidence of diabetes mellitus in 40,000 population in Beijing with discussion on difference criteria of its diagnosis (author's transl)] **Chung Hua Nei Ko Tsa Chih** 1982 Feb; 21(2):85-7 **(Chi)**

[Epidemiology of diabetes mellitus] Reunanen A. **Duodecim** 1981;97(12):794-805 **(Fin)**

[The epidemiology of diabetes. Methods and perspectives] Keen H. **Journ Annu Diabetol Hotel Dieu** 1982;:237-46 **(Fre)**

[Results of a mass screening for early diagnosis of diabetes mellitus in a small town (Airole) of the province of Imperia] Giacca S, et al. **Arch Sci Med (Torino)** 1981 Oct-Dec; 138(4):471-82 (Eng. Abstr.) **(Ita)**

[Statistical data on the growing incidence of diabetes mellitus in the patients admitted to a geriatric department, concerning 18 years of activities and 40,000 patients] Scotti G, et al. **Minerva Med** 1981 Nov 24;72(47):3201-8 **(Ita)**

[Obesity and diabetes after the age of 65] Zakowska-Wachelko B. **Wiad Lek** 1981 Sep 15; 34(18):1525-8 (Eng. Abstr.) **(Pol)**

[Epidemiology of nutritional diseases. II. Data on the epidemiology of diabetes mellitus] Lacatis D, et al. **Rev Med Chir Soc Med Nat Iasi** 1981 Apr-Jun;85(2):261-9 (00 ref.) **(Rum)**

[Diabetes mellitus in some populations of the State of Mérida, Venezuela] Nucete HJ, et al. **Acta Cient Venez** 1980; 31(6):588-92 (Eng. Abstr.) **(Spa)**

[Prevalence of diabetes mellitus in Santiago, Chile (author's transl)] Mella I, et al. **Rev Med Chil** 1981 Sep;109(9):869-75 (Eng. Abstr.) **(Spa)**

[Incidence and medical care of diabetes in a defined population] Hallqvist J, et al. **Lakartidningen** 1981 Oct 14; 78(42):3706-10 **(Swe)**

PATHOLOGY

Characteristic lesions localized to the lower limbs in patients with open and not open diabetes. Lithner F. **Acta Med Scand [Suppl]** 1981;656:69

Dynamic time course studies of the spontaneously diabetic BB Wistar rat. III. Light-microscopic and ultrastructural observations of pancreatic islets of Langerhans. Seemayer TA, et al. **Am J Pathol** 1982 Feb;106(2):237-49

Testicular atrophy in the spontaneously diabetic BB Wistar rat. Wright JR Jr, et al. **Am J Pathol** 1982 Jul;108(1):72-9

Quadriceps and myocardial capillary basal laminae. Their comparison in diabetic patients. Fischer VW, et al. **Arch Pathol Lab Med** 1982 Jul;106(7):336-41

Thickened cerebral cortical capillary basement membranes in diabetics. Johnson PC, et al. **Arch Pathol Lab Med** 1982 May;106(5):214-7

Basement membrane research in diabetes mellitus. Kefalides NA. **Coll Relat Res** 1981 Apr;1(3):295-9 (23 ref.)

Changes in basement membrane thickening [letter] Shannon WA Jr, et al. **Diabetes Care** 1981 May-Jun;4(3):445

Early arteriolar and capillary changes in streptozotocin-induced diabetic rats and intraperitoneal hyperglycaemic rats. Bohlen HG, et al. **Diabetologia** 1982 May;22(5):344-8

The relationship between kidney size and function in short-term diabetic patients [letter] Christiansen JS, et al. **Diabetologia** 1982 Jun;22(6):494

Glomerular basement membrane changes in aging nondiabetic and diabetic guinea pigs. Langner PH, et al. **Exp Aging Res** 1981 Summer;7(2):93-105

The relation of islet amyloid to the clinical type of diabetes. Maloy AL, et al. **Hum Pathol** 1981 Oct;12(10):917-22

Endomyocardial biopsy in diabetes mellitus. Das JP, et al. **Indian Heart J** 1982 Jan-Feb;34(1):3-7

The spontaneously diabetic BB Wistar rat. Morphologic and physiologic studies of peripheral nerve. Mendell JR, et al. **J Neurol Sci** 1981 Oct;52(1):103-15

Precise quantitation of glomerular basement membrane morphology. Gundersen HJ, et al. **Renal Physiol** 1980; 3(1-6):303-11

Thickening of basement membrane of muscle capillary in spontaneously diabetic KK mice. Itabashi H, et al. **Tohoku J Exp Med** 1981 Mar;133(3):339-48

[Modifications of the rectal mucosa in diabetes (author's transl)] Mertl L, et al. **Cesk Gastroenterol Vyz** 1981 Dec; 35(8):375-81 (Eng. Abstr.) **(Cze)**

[Echocardiographic picture of the diabetic heart] Gregor P, et al. **Vnitr Lek** 1981 Oct;27(10):976-80 (Eng. Abstr.) **(Cze)**

[Acquired functional defects of granulocytes and monocytes in adult patients with diabetes mellitus (author's transl)] Viollier AF, et al. **Blut** 1982 Jan;44(1):29-39 (Eng. Abstr.) **(Ger)**

[Lympho-plasmacellular thyroiditis and diabetes mellitus]

Gyr T, et al. **Schweiz Med Wochenschr** 1981 Nov 28; 111(48):1839–45 (Eng. Abstr.) **(Ger)**

[Testicular biopsies in male diabetics] Thiel W, et al. **Z Gesamte Inn Med** 1981 Dec 1;36(23):917–20 (Eng. Abstr.) **(Ger)**

[Histomorphological findings in the pancreas in diabetes mellitus (author's transl)] Fischer D. **Zentralbl Allg Pathol** 1981;125(5):406–9 (Eng. Abstr.) **(Ger)**

[The exocrine pancreas in primary diabetes mellitus. Morphological study] Melato M, et al. **Pathologica** 1980 Sep–Oct;72(1021):621–7 (Eng. Abstr.) **(Ita)**

[Pathological studies on the cerebrovascular lesions in patients with diabetes mellitus (author's transl)] Shigeta T. **Nippon Ika Daigaku Zasshi** 1981 Jun;48(3):377–92 (Eng. Abstr.) **(Jpn)**

[Combination of diabetes mellitus and chronic lympholeukemia] Mel'chinskaia EN. **Klin Med (Mosk)** 1981 Oct;59(10):101 **(Rus)**

[Severe form of diabetes mellitus in a female patient with osteogenesis imperfecta] Siniachenko VV, et al. **Klin Med (Mosk)** 1982 Apr;60(4):98–9 **(Rus)**

[Toxic epidermal necrolysis in a patient with diabetes mellitus and lymphoid leukemia] Dubovyĭ MI, et al. **Vestn Dermatol Venerol** 1981 Jul;(7):47–8 **(Rus)**

PHYSIOPATHOLOGY

Testing for heart rate variation in diabetes: single or repeated deep breaths? Espi F, et al. **Acta Diabetol Lat** 1982 Apr–Jun;19(2):177–81

Hypoglycemic therapy and hemostasis in maturity- onset diabetes mellitus: existence of an early prethrombotic state. Grignani G, et al. **Acta Diabetol Lat** 1982 Jan–Mar; 19(1):29–35

The effect of the acute administration of tolbutamide on left ventricular function in insulin-dependent diabetics. Harrower AD, et al. **Acta Diabetol Lat** 1981 Oct–Dec; 18(4):385–8

Non-invasive assessment of left ventricular function in diabetics without clinical heart disease. Oto A, et al. **Acta Diabetol Lat** 1982 Jan–Mar;19(1):49–53

Functional and metabolic abnormalities of diabetic monocytes. Hill HR, et al. **Adv Exp Med Biol** 1982; 141:621–8

Exaggerated pressor responsiveness to norepinephrine in nonazotemic diabetes mellitus. Beretta-Piccoli C, et al. **Am J Med** 1981 Nov;71(5):829–35

Insulin action and resistance in obesity and noninsulin-dependent type II diabetes mellitus. Olefsky JM, et al. **Am J Physiol** 1982 Jul;243(1):E15–30

Pituitary gonadal function in diabetic male patients with and without impotence. Zeidler A, et al. **Andrologia** 1982 Jan–Feb;14(1):62–8

Promoting wound healing in the diabetic patient. Winters B. **AORN J** 1982 May;35(6):1083–7

Secretion of insulin or connecting peptide: a predictor of insulin dependence of obese 'diabetics'. Turkington RW, et al. **Arch Intern Med** 1982 Jun;142(6):1102–5

Phagocytic function in diabetes mellitus. Limas del Muro E, et al. **Arch Invest Med (Mex)** 1982;13(2):89–91 passim **(Eng, Spa)**

Peroneal nerve conduction velocity: the importance of temperature correction. Halar EM, et al. **Arch Phys Med Rehabil** 1981 Sep;62(9):439–43

Residual pancreatic function in insulin dependent diabetics. Glatthaar C, et al. **Aust NZ J Med** 1982 Feb;12(1):43–7

Hemorheological characteristics of blood in various disease: diabetes mellitus, hypertension, acute infection, ischaemic heart disease & attempted suicide. Singh M, et al. **Biorheology** 1982;19(1/2):245–52

Echocardiographic features of impaired ventricular function in diabetes mellitus. Shapiro LM. **Br Heart J** 1982 May; 47(5):439–44

Contrast sensitivity in diabetic subjects with and without retinopathy. Ghafour IM, et al. **Br J Ophthalmol** 1982 Aug; 66(8):492–5

Diabetes and exercise--Proceedings of the symposium, Olympia, Greece, September 21–22, 1980. **Curr Probl Clin Biochem** 1982;11:1–199

Some practical aspects of physical training and exercise testing in diabetes. Hollmann W, et al. **Curr Probl Clin Biochem** 1982;11:142–6

Facial and sublingual temperature changes following intravenous glucose injection in diabetics. Hillson RM, et al. **Diabete Metab** 1982 Mar;8(1):15–9

Mechanism and significance of insulin resistance in non-insulin-dependent diabetes mellitus. Rizza RA, et al. **Diabetes** 1981 Dec;30(12):990–5

The role of gastrointestinal and neuronal peptides in the pathophysiology of diabetes mellitus. Ganda OP. **Diabetes Care** 1981 May–Jun;4(3):435–42 (97 ref.)

Dose-kinetics of pancreatic glucagon responses to arginine and glucose in subjects with normal and impaired pancreatic B cell function. Assan R, et al. **Diabetologia** 1981 Nov;21(5):452–9

Red cell volume in diabetes [letter] Beautyman W. **Diabetologia** 1982 Mar;22(3):220

Effect of intravenous glucose infusion on renal function in normal man and in insulin-dependent diabetics. Christiansen JS, et al. **Diabetologia** 1981 Oct;21(4):368–73

Kidney function and size in type 1 (insulin-dependent) diabetic patients before and during growth hormone administration for one week. Christiansen JS, et al. **Diabetologia** 1982 May;22(5):333–7

Relation of kidney size to kidney function in early insulin-dependent diabetes. Garcia Puig J, et al. **Diabetologia** 1981 Oct;21(4):363–7

Glycosylated haemoglobin and reticulocyte count in diabetes [letter] Giugliano D. **Diabetologia** 1982 Mar;22(3):223

The relationship between kidney size and function in short-term diabetic patients [letter]. Gundersen HJ, et al. **Diabetologia** 1981 Nov;21(5):498–9

Chlorpropamide-alcohol flushing and diabetes. Report of an international workshop, 13–14 June 1980, Washington, USA. Harris M, et al. **Diabetologia** 1981 Oct;21(4):422–4

Haemodynamic changes during graded exercise in patients with diabetic autonomic neuropathy. Hilsted J, et al. **Diabetologia** 1982 May;22(5):318–23

Exercise and diabetes [letter] Jarrett RJ. **Diabetologia** 1981 Jul;21(1):74

The transient effect of strict glycaemic control on B cell function in newly diagnosed type 1 (insulin-dependent) diabetic patients. Madsbad S, et al. **Diabetologia** 1982 Jan; 22(1):16–20

Diabetic control and gastrointestinal function [letter] Scott LD. **Gastroenterology** 1982 Feb;82(2):397–8

Office clues to diabetes problems. Danowski TS. **Geriatrics** 1982 Jun;37(6):61–3, 67–8, 71, 75–6

Effect of calcium infusion on post-reactive hypoglycemia. Cathelineau G, et al. **Horm Metab Res** 1981 Nov; 13(11):646–7

Plasma factors and platelet aggregation in diabetes mellitus. Colwell JA, et al. **Horm Metab Res [Suppl]** 1981;11:1–6

Influence of metabolic control on platelet functions in diabetic mellitus. Janka HU, et al. **Horm Metab Res [Suppl]** 1981;11:29–33

Platelet aggregation as a risk factor in diabetic subjects. Krzywanek HJ, et al. **Horm Metab Res [Suppl]** 1981; 11:11–4

Glucosylated hemoglobin and reduced erythrocyte deformability in diabetes. McMillan DE, et al. **Horm Metab Res [Suppl]** 1981;11:108–12

Diabetes mellitus: its effect on the flow properties of blood. Oughton J, et al. **Horm Metab Res [Suppl]** 1981;11:112–20

Von Willebrand factor, diabetes mellitus and retinopathy. Paton RC, et al. **Horm Metab Res [Suppl]** 1981;11:55–8

Shear induced deformation of red cells: decreased elongation and membrane rotation in diabetes mellitus. Williamson JR, et al. **Horm Metab Res [Suppl]** 1981;11:103–4

Pancreatic beta cell function and peripheral activity of insulin in maturity onset diabetics—evaluation by mathematical applications. Mohan V, et al. **J Assoc Physicians India** 1981 Oct;29(10):803–6

Gastric inhibitory polypeptide release after oral glucose: relationship to glucose intolerance, diabetes mellitus, and obesity. Salera M, et al. **J Clin Endocrinol Metab** 1982 Aug; 55(2):329–36

Receptor and postreceptor defects contribute to the insulin resistance in noninsulin-dependent diabetes mellitus. Kolterman OG, et al. **J Clin Invest** 1981 Oct;68(4):957–69

Delayed auditory brainstem responses in diabetes mellitus. Donald MW, et al. **J Neurol Neurosurg Psychiatry** 1981 Jul;44(7):641–4

Diabetes clinical care conference--Exercise in insulin-dependent diabetes. **J Tenn Med Assoc** 1981 Oct; 74(10):744–5

Bihormonal theory of diabetes gets solid backing [news] Macek C. **JAMA** 1982 Mar 26;247(12):1685–6

Electron microscopical study on impaired phagocytic function of granulocytes in diabetics. Shimizu S, et al. **Jpn J Med** 1982 Jan;21(1):3–11

Glomerular filtration rate and extracellular fluid volume in insulin-dependent patients with diabetes mellitus. Brøchner-Mortensen J, et al. **Kidney Int** 1982 May; 21(5):696–8

Kidney function and size in diabetics before and during initial insulin treatment. Christiansen JS, et al. **Kidney Int** 1982 May;21(5):683–8

Renal extraction ratios for 51Cr-EDTA, PAH, and glucose in early insulin-dependent diabetic patients. Nyberg G, et al. **Kidney Int** 1982 May;21(5):706–8

Stiffness of the hand in diabetes [letter] **Lancet** 1981 Nov 28;2(8257):1236–7

Vascular reactivity in diabetes [letter] Dandona P, et al. **Lancet** 1981 Sep 26;2(8248):694

Metabolic regulation and eye and kidney function in diabetes [letter] Lauritzen T. **Lancet** 1982 Feb 20;1(8269):449–50

Thyroid disease in young diabetics [letter] Riley W, et al. **Lancet** 1982 Aug 28;2(8296):489–90

Relative contributions of insulin deficiency and insulin resistance in maturity-onset diabetes. Turner RC, et al. **Lancet** 1982 Mar 13;1(8272):596–8

Abnormal variability of intraocular pressure and systemic arterial blood pressure in diabetes, hypertension, and retinal venous occlusion. Williams BI, et al. **Lancet** 1981 Dec 5; 2(8258):1255–7

The actions of insulin on cardiac contractility. Farah AE, et al. **Life Sci** 1981 Sep 7;29(10):975–1000 (159 ref.)

Prostaglandins, glucose homeostasis, and diabetes mellitus. Robertson RP. **Med Clin North Am** 1981 Jul;65(4):759–71 (60 ref.)

Secretin, glucagon, insulin-antibodies, islet-cell exhaustion and diabetes mellitus : a hypothesis. Malhotra SL. **Med Hypotheses** 1982 Jan;8(1):105–10

Heterogenous dysfunctions of pancreatic A and B cells in diabetes mellitus: a study by consecutive hyper-and hypoglycemic stimulation. Toyoshima H, et al. **Med J Osaka Univ** 1981 Mar;31(3–4):93–100

The defective glucose sensitivity of the B cell in non insulin dependent diabetes. Improvement after twenty hours of normoglycaemia. Vague P, et al. **Metabolism** 1982 Feb; 31(2):139–42

Normal and abnormal sympathoadrenal function; in patients with insulin-dependent diabetes mellitus. Cryer PE. **NY State J Med** 1982 May;82(6):886–91 (35 ref.)

Neurophysiology. Rubenstein AE, et al. **NY State J Med** 1982 May;82(6):858–9

The effect of calcitonin on food intake in diabetic mice. Morley JE, et al. **Peptides (Fayetteville)** 1982 Jan–Feb; 3(1):17–20

Impaired insulin secretion in human diabetes mellitus. I. The effect of alpha-adrenergic inhibition. Giugliano D, et al. **Pharmacol Res Commun** 1982 Mar;14(3):217–25

Extreme sensitivity of diabetic mice to naloxone-induced suppression of food intake. Levine AS, et al. **Physiol Behav** 1982 Jun;28(6):987–89

Feedback modulation of glucose-induced insulin secretion by arachidonic acid metabolites: possible molecular mechanisms and relevance to diabetes mellitus. Metz SA. **Prostaglandins Med** 1981 Dec;7(6):581–9 (47 ref.)

Physical symptoms related to blood glucose in insulin-dependent diabetics. Pennebaker JW, et al. **Psychosom Med** 1981 Dec;43(6):489–500

Cardiovascular reflexes in short-term diabetics with normal physical working capacity. Berglund B, et al. **Scand J Clin Lab Invest** 1980;40(8):749–53

Limb circulation in normal subjects and in subjects with chemical or mild diabetes mellitus: its relation to sex, age, body weight, glucose tolerance, insulin response and insulin sensitivity. Berglund B. **Scand J Clin Lab Invest** 1980; 40(8):733–41

Effect of age on ADP-induced platelet aggregation in diabetic and non-diabetic subjects. Scarabin PY, et al. **Thromb Res** 1981 Jun 1–25;22(5–6):687–92

Self-monitoring of blood glucose by diabetic patients [letter] Rubin AL, et al. **West J Med** 1981 Sep;135(3):244

[Vasomotor reactivity in diabetics (author's transl)] Figar S, et al. **Cas Lek Cesk** 1982 Jun 4;121(22):677–80 (Eng. Abstr.) **(Cze)**

[Physical fitness in diabetic adolescents (author's transl)] Baran D, et al. **Bull Eur Physiopathol Respir** 1982 Jan–Feb; 18(1):51–8 (Eng. Abstr.) **(Fre)**

[The arterial wall, insulin, diabetes and atherosclerosis] Capron L, et al. **Journ Annu Diabetol Hotel Dieu** 1982; :247–55 **(Fre)**

[Platelets and diabetes] Lecompte T, et al. **Journ Annu Diabetol Hotel Dieu** 1982;:275–93 **(Fre)**

[Respective roles of insulin resistance and disorders of secretion of this hormone in the non-insulin-dependent diabetic] Vague P. **Journ Annu Diabetol Hotel Dieu** 1982; :7–17 **(Fre)**

[Pituitary-gonadal function in male diabetic patients (author's transl)] Cailleba A, et al. **Nouv Presse Med** 1982 Apr 17; 11(18):1375–7 (Eng. Abstr.) **(Fre)**

[Sexual functions in the diabetic male] Fossati P, et al. **Nouv Presse Med** 1982 Apr 17;11(18):1373–4 **(Fre)**

[Influence of glycemic control on peripheral nerve conduction in insulin-dependent diabetic subjects (author's transl)] Mabin D, et al. **Rev Electroencephalogr Neurophysiol Clin** 1982 Apr; 12(1):72–8 (23 ref.) (Eng. Abstr.) **(Fre)**

[Respiratory function study on insulin-dependant diabetics (author's transl)] Oulhen P, et al. **Rev Fr Mal Respir** 1982; 10(3):213–24 (Eng. Abstr.) **(Fre)**

[The effect of age on glucose tolerance] Luyckx A. **Rev Med Liege** 1981 Nov 1;36(21):778–9 **(Fre)**

[Determination of salivary pH at different sites of contact in diabetics (author's transl)] Gomez C, et al. **Rev Stomatol Chir Maxillofac** 1982;83(1):8–12 (Eng. Abstr.) **(Fre)**

[Artificial pancreas: development and significance for the study and management of diabetes] Pfeiffer EF, et al. **Verh Dtsch Ges Inn Med** 1981;87:1408–28 **(Ger)**

[Threshold for electric stimulation of taste in diabetes mellitus] Kleinschmidt EG, et al. **Z Gesamte Inn Med** 1981 Jun 15;36(12):407–11 (Eng. Abstr.) **(Ger)**

[Quantitative histological studies of mast cells in sand rats (Psammomys obesus) during development of a mellitus syndrome] Hoffmann O, et al. **Z Mikrosk Anat Forsch** 1980; 94(6):999–1008 (Eng. Abstr.) **(Ger)**

[Diabetes mellitus and surgery from the viewpoint of the internist] Gyimesi A, et al. **Orv Hetil** 1982 Mar 28; 123(13):783–9 **(Hun)**

[Hemorheological factors and metabolic parameters in a group of diabetic subjects] Caimi G, et al. **Arch Sci Med (Torino)** 1981 Jul–Sep;138(3):299–306 (Eng. Abstr.) **(Ita)**

[Non-invasive study of left ventricular function in diabetic subjects in metabolic compensation] Dei Cas L, et al. **Boll Soc Ital Cardiol** 1980;25(6):577–83 (Eng. Abstr.) **(Ita)**

[Heart and diabetes. Anatomo-clinical correlations] Feruglio FS, et al. **Minerva Cardioangiol** 1981 Sep;29(9):491–5 **(Ita)**

[Evaluation of the progress of aging based on specific biological age as estimated by various physiological

functions (author's transl)] Nakamura E, et al. **Nippon Eiseigaku Zasshi** 1982 Feb;36(6):853-62 (Eng. Abstr.) **(Jpn)**

[Electroretinogram in adult-onset diabetes mellitus (author's transl)] Okumura T, et al. **Nippon Ganka Gakkai Zasshi** 1981;85(11):2023-9 (Eng. Abstr.) **(Jpn)**

[Oscillatory potential and renal function in adult-onset diabetes mellitus (author's transl)] Okumura T, et al. **Nippon Ganka Gakkai Zasshi** 1981;85(11):2046-53 (Eng. Abstr.) **(Jpn)**

[Pathophysiology in diabetes after major resection of the pancreas, with special reference to insulin metabolism and glucagon secretion (author's transl)] Iwasaki M. **Nippon Naibunpi Gakkai Zasshi** 1982 Mar 20;58(3):248-58 (Eng. Abstr.) **(Jpn)**

[Insulin resistant diabetes] Sakamoto Y, et al. **Nippon Rinsho** 1981 Sep;39(9):3062-9 (37 ref.) **(Jpn)**

[Evaluation of measuring serum trypsin by radioimmunoassay and clinical application for the study on the exocrine function in diabetics (author's transl)] Shimizu M, et al. **Radioisotopes** 1982 Feb;31(2):88-93 (Eng. Abstr.) **(Jpn)**

[Dynamics of insulin secretion in selected oral glucose tolerance tests in the early stages of diabetes of various etiologies] Mruk K. **Folia Med Cracov** 1981;23(1):79-100 (Eng. Abstr.) **(Pol)**

[The behaviour of taste tested by qualitative gustometry in diabetics (author's transl)] Bem A. **Otolaryngol Pol** 1982; 36(1):43-7 **(Pol)**

[Effective therapy of acute postoperative pancreatitis with a history of decompensated diabetes mellitus] Silant'ev VV, et al. **Klin Khir** 1981 Nov;(11):72-3 **(Rus)**

[Immunologic reactivity and microcirculation in insulin-resistant forms of diabetes mellitus] Balabolkin MI, et al. **Klin Med (Mosk)** 1981 Aug;59(8):26-9 (Eng. Abstr.) **(Rus)**

[Renin-angiotensin-aldosterone system in diabetes mellitus] Slavnov VN, et al. **Klin Med (Mosk)** 1981;59(7):36-41 (Eng. Abstr.) **(Rus)**

[HLA antigens, hormonal profile and insulin antibodies in insulin-dependent diabetes mellitus with retinopathy] Vasiukova EA, et al. **Klin Med (Mosk)** 1981 Nov; 59(11):42-6 (Eng. Abstr.) **(Rus)**

[Myocardial contractility in diabetes mellitus] Zhits MZ, et al. **Klin Med (Mosk)** 1981 Nov;59(11):47-9 **(Rus)**

[Function of the neuromotor apparatus in diabetes mellitus depending on metabolic compensation] Lazareva SP, et al. **Probl Endokrinol (Mosk)** 1981 Sep-Oct;27(5):24-8 (Eng. Abstr.) **(Rus)**

[Physical exercise in patients with diabetes mellitus (literature review and author's data)] Efimov AS, et al. **Ter Arkh** 1981; 53(7):139-42 (Eng. Abstr.) **(Rus)**

[Blood viscosity and its role in microcirculatory disorders in diabetes mellitus] Golubiatnikova GA, et al. **Ter Arkh** 1982;54(2):102-7 (Eng. Abstr.) **(Rus)**

[Microcirculation in diabetes mellitus studied with photon correlation spectroscopy] Utiamyshev RI, et al. **Ter Arkh** 1982;54(2):107-9 (Eng. Abstr.) **(Rus)**

[Frequency-contrast characteristics of the eyes in diabetes mellitus (experience of using the Arden's tables)] Pivovarov NN, et al. **Vestn Oftalmol** 1981 Sep-Oct;(5):36-40 (Eng. Abstr.) **(Rus)**

[Significance of glucagon in the pathogenesis of diabetes (a review)] Kendysh IN. **Vopr Med Khim** 1981 Mar-Apr; 27(2):147-54 (70 ref.) **(Rus)**

[Renal hemodynamics in patients with diabetes mellitus] Mamedov R, et al. **Vrach Delo** 1981 Nov;(11):43-5 (Eng. Abstr.) **(Rus)**

PREVENTION & CONTROL

Community based studies of diabetes control: program development and preliminary analysis. Smith CK, et al. **J Fam Pract** 1982 Mar;14(3):459-67

Roles of nutrition, obesity, and estrogens in diabetes mellitus: human leads to an experimental approach to prevention. Addanki S. **Prev Med** 1981 Sep;10(5):577-89 (87 ref.)

[Early postnatal nutrition, diabetes mellitus and arteriosclerosis] Niehoff JU. **Z Arztl Fortbild (Jena)** 1981 Dec 1;75(23):1128-35 **(Ger)**

PSYCHOLOGY

Self-care habits and disease-state understanding of diabetic patients. Stanaszek WF, et al. **Am J Hosp Pharm** 1981 Sep; 38(9):1337-9

Psychiatric aspects of diabetes--a physician's view. Tattersall RB. **Br J Psychiatry** 1981 Dec;139:485-93 (65 ref.)

Psychiatric aspects of diabetes mellitus. Wilkinson DG. **Br J Psychiatry** 1981 Jan;138:1-9 (72 ref.)

The psychologic consequences of blood glucose self-monitoring in the treatment of diabetes. Bogdonoff MD. **J Med Assoc Ga** 1982 Mar;71(3):177-8

Diabetics' self-report of medical utilization: a test of validity. Turkat ID. **Psychol Rep** 1982 Jun;50(3 Pt 2):1160-2

Standard risk factors for lung cancer, cardiac infarct, apoplexy, diabetes mellitus and, their changes in psychosocial context. Grossarth-Maticek R, et al. **Psychother Psychosom** 1982;37(1):13-21

[Recondition camp courses as one of the possibilities of mental-condition rehabilitation in diabetics (author's transl)] Poláčková J, et al. **Cesk Psychiatr** 1981;77(4):253-6 (Eng. Abstr.) **(Cze)**

[Diabetes and the psyche] Koski ML. **Duodecim** 1981; 97(12):857-63 **(Fin)**

[Even the enlightened diabetic has problems with his disease] Girardi MR. **Ther Ggw** 1981 Jun;120(6):571-5 **(Ger)**

[Sociomedical problems of diabetics] Petzoldt R. **Verh Dtsch Ges Inn Med** 1981;87:71-7 **(Ger)**

[Socio-medical aspects of diabetes mellitus in old age. Experience in southeast Hungary] Iványi J. **Z Psychosom Med Psychoanal** 1981 Jul-Sep;27(3):291-3 **(Ger)**

[Personality structure in diabetic patients] Grigor'eva LP, et al. **Sov Med** 1981;(11):41-4 (Eng. Abstr.) **(Rus)**

RADIONUCLIDE IMAGING

Scintigraphy of pancreatic transplants. Toledo-Pereyra LH, et al. **AJR** 1982 Apr;138(4):621-2

SURGERY

Renal and segmental pancreatic grafting with draining of exocrine secretion and initial continuous intravenous cyclosporin A in a patient with insulin-dependent diabetes and renal failure. Calne RY, et al. **Br Med J [Clin Res]** 1982 Sep 11;285(6343):677-80

Transplantation of the pancreas. A review. Frandsen NE, et al. **Dan Med Bull** 1982 May;29(4):200-2 (26 ref.)

Transplantation of the pancreas. A case history. Kemp E, et al. **Dan Med Bull** 1982 May;29(4):203-5

Insulin cell transplants may be future diabetes cure. **Hospitals** 1982 Jul 16;56(14):59

Successful outcome of segmental human pancreatic transplantation with enteric exocrine diversion after modifications in technique. Groth CG, et al. **Lancet** 1982 Sep 4;2(8297):522-4

Patient and graft survival in amputated versus nonamputated diabetic primary renal allograft recipients. Peters C, et al. **Transplantation** 1981 Dec;32(6):498-503

[Islet cell transplantation: present status and perspectives] Federlin K, et al. **Med Klin** 1981 Dec 18;76(26):720-6 **(Ger)**

THERAPY

Diabetes and surgery. Belcaro G, et al. **Acta Chir Belg** 1982 Mar-Apr;(2):133-8

Planning a self-care unit in an inpatient setting. Sarver SC, et al. **Am J Nurs** 1982 Jul;82(7):1112-4

Status of pancreatic transplants and mechanical devices for blood glucose control in diabetes. Santiago JV, et al. **Ann Biomed Eng** 1980;8(4-6):525-38 (53 ref.)

Pancreatic transplantation for diabetes mellitus. Gunnarsson R, et al. **Ann Clin Res** 1981;13(4-5):336-49

Hormonal and metabolic effects of a pancreatic endocrine graft. Vascularized segmental transplantation in insulin-dependent diabetic patients. Sutherland DE, et al. **Ann Intern Med** 1981 Nov;95(5):537-41

Transplantation of the pancreas: current status. Sutherland DE. **Annu Rev Med** 1982;33:271-80

Diabetes mellitus. III: Complications and organising long-term management. Jarrett J, et al. **Br Med J [Clin Res]** 1981 Sep 19;283(6294):763-5

ABC of diabetes. Treatment. Watkins PJ. **Br Med J [Clin Res]** 1982 Jun 19;284(6332):1853-5

Diabetes, intraperitoneal insulin, and CAPD. Cohen IM, et al. **Clin Exp Dial Apheresis** 1981;5(3):269-75

Pancreas and islet transplantation in diabetes. Sutherland DE. **Compr Ther** 1982 Jan;8(1):60-8 (28 ref.)

Is exercise beneficial to patients with type I diabetes mellitus? Transcript of a controversy debate. Berger M, et al. **Curr Probl Clin Biochem** 1982;11:101-14

Development of diabetic microangiopathy and diabetic control. A study in non-insulin-dependent diabetics. Maneschi F, et al. **Diabete Metab** 1981 Sep;7(3):181-7

Diabetic management in patients with renal failure. Amico JA, et al. **Diabetes Care** 1981 May-Jun;4(3):430-4

The reduction in symptoms of diabetic patients after treatment in diabetic clinics. Bulpitt CJ, et al. **Diabetes Care** 1982 Jul-Aug;4(4):476-9

Qualitative issues in developing educational diagnostic instruments and assessment procedures for diabetic patients. Windsor RA, et al. **Diabetes Care** 1982 Jul-Aug;4(4):468-75

Improved diabetic control and hypocholesterolaemic effect induced by long-term dietary supplementation with guar gum in type 2 (insulin-independent) diabetes. Aro A, et al. **Diabetologia** 1981 Jul;21(1):29-33

The risk of diabetic control: a comparison of hospital versus general practice supervision. Basdevant A, et al. **Diabetologia** 1982 May;22(5):309-14

Non-enzymatic glycosylation of serum proteins as an indicator of diabetic control [letter] Gragnoli G, et al. **Diabetologia** 1982 Mar;22(3):224

Exercise and diabetes [letter] Marliss EB, et al. **Diabetologia** 1981 Sep;21(3):237

Radiology of the human segmental pancreatic transplant. Crass JR, et al. **Gastrointest Radiol** 1982;7(2):153-8

Diabetes in the elderly: diagnosis and treatment. Davidson MB. **Hosp Pract** 1982 Apr;17(4):113-20, 125, 128-9

Continuous ambulatory peritoneal dialysis (CAPD) in diabetics with end-stage renal disease. Amair P, et al. **Int J Artif Organs** 1982 Mar;5(2):81-2

Home monitoring and self-management of diabetes in a rural population. Kelly CA, et al. **Ir Med J** 1981 Nov; 74(11):321-4

Development of new educational strategies for the person with diabetes. Wylie-Rosett J. **J Am Diet Assoc** 1982 Sep; 81(3):268-71

Management of diabetics undergoing surgery. **J Assoc Physicians India** 1981 May;29(5):399-401

Glycosylated proteins: a useful parameter for assessment of glycaemic control in diabetes mellitus. Krishnaswamy PR, et al. **J Assoc Physicians India** 1981 Aug;29(8):615-8

Glycosylated haemoglobin: its value in the management of diabetes mellitus. Raheja BS, et al. **J Assoc Physicians India** 1981 Aug;29(8):609-13

Therapeutic progress--review II. Control of diabetes mellitus. Wright AD. **J Clin Hosp Pharm** 1981 Dec; 6(4):217-25 (48 ref.)

A team concept. Helping the diabetic patient through surgery. Nice GW, et al. **J Kans Med Soc** 1981 Dec; 82(12):547-50

Effecting better insulin control with the portable infusion pump. DeHaven JW. **J Med Assoc Ga** 1982 Mar; 71(3):183-5

Diabetes-related goals, practices, and beliefs of practicing pediatricians. Lorenz RA, et al. **J Med Educ** 1982 Aug; 57(8):630-4

Maturity-onset diabetes mellitus--toward a physiological appropriate management. McCarty MF. **Med Hypotheses** 1981 Oct;7(10):1265-85 (111 ref.)

Blood glucose control and diabetic microangiopathy. Cheah JSU. **Med J Malaysia** 1981 Dec;36(4):220-6

Metabolic control in diabetic patients: assessment by hemoglobin A1 values. Gonen B, et al. **Metabolism** 1979 Apr;28(4 Suppl 1):448-52

Delivery of podiatric care to persons with diabetes in New York State. Olsen CL, et al. **NY State J Med** 1982 Jun; 82(7):1041-3

Dietary considerations in diabetes mellitus. Smith DA. **Penn Med** 1982 Feb;85(2):64-6 (32 ref.)

Diabetes mellitus: a rational plan for management. Forsham PH. **Postgrad Med** 1982 Mar;71(3):139-44, 148-54

The audit of diabetes mellitus in general practice. Hiam R. **Practitioner** 1982 Feb;226(1364):275-8

Is routine blood glucose estimation of value in diabetic clinics? Matthews DM, et al. **Practitioner** 1981 Jun; 225(1356):918-9

Control of diabetics in general practice and hospital clinics. Ruben LA, et al. **Practitioner** 1982 Feb;226(1364):266-7

Islet cell transplantation. Lacy PE. **Proc Inst Med Chic** 1982 Apr-Jun;35(2):40-2

Simplified computerization of data-base for diabetic patients. Carandente O, et al. **Ric Clin Lab** 1982 Apr-Jun; 12(2):395-400

'Battlestar diabetica' [letter] Bernstein RE. **S Afr Med J** 1981 Oct 10;60(15):569-70

Outpatient self-management of severe diabetes. Chandler PT, et al. **South Med J** 1981 Sep;74(9):1061-4

[Effects of physical activity and mid-alpine climatotherapy on serum lipids on adult diabetics and in obesity] Angelov I, et al. **Vutr Boles** 1981;20(5):93-7 (Eng. Abstr.) **(Bul)**

[Granulated guar-gum (Slocose) for non-insulin dependent diabetic patients] Rasmussen LP, et al. **Ugeskr Laeger** 1981 May 11;143(20):1267-70 (Eng. Abstr.) **(Dan)**

[Oral antidiabetics today] Aro A. **Duodecim** 1981; 97(12):837-47 **(Fin)**

[Patient education in the treatment of diabetes] Korhonen T. **Duodecim** 1981;97(12):879-86 **(Fin)**

[Multidiscipline aspects and approach to the evaluation of care for diabetics] Triomphe A, et al. **Cah Sociol Demogr Med** 1982 Jan-Mar;22(1):5-21 **(Fre)**

[Pancreas transplantation. Immunology and technics] Mc Master P, et al. **Journ Annu Diabetol Hotel Dieu** 1982; :129-35 **(Fre)**

[Current state of the transplantation of the pancreas and pancreatic islands: experimental and clinical studies] Sutherland DE, et al. **Journ Annu Diabetol Hotel Dieu** 1982; :115-28 **(Fre)**

[For better treatment of insulin-dependent diabetes mellitus. Value of self-monitoring of blood glucose] Lestradet H, et al. **Nouv Presse Med** 1981 Sept 12;10(32):2627-9 **(Fre)**

[Multiple admission to hospital of diabetic patients (author's transl)] Schrub JC, et al. **Nouv Presse Med** 1981 Sep 19; 10(33):2723-6 (Eng. Abstr.) **(Fre)**

[New methods of insulin administration in the treatment of insulin-dependent diabetes] Kuntschen F, et al. **Rev Med Suisse Romande** 1982 Feb;102(2):163-9 **(Fre)**

[Treatment of diabetes with an artificial pancreas in cardiac surgery] Kuntschen F, et al. **Rev Med Suisse Romande** 1982 Feb;102(2):155-62 **(Fre)**

[Carbohydrate infusion in internal diseases. A comparative study of metabolically healthy persons and liver disease and diabetic patients. IV. Infusion of a glucose-fructose mixture (1:1 ratio) over a 48-hour period] Egberts EH, ... **Infusionsther Klin Ernahr** 1981 Dec;8(6):308-11 (Eng. ...stract.) **(Ger)**

[Carbohydrate infusion in internal diseases. A comparative study in metabolically healthy, liver diseased and diabetic patients. VI. Infusions of a glucose/xylitol mixture (1:1 ratio) over a 48-hour period] Egberts EH, et al. **Infusionsther Klin Ernahr** 1982 Apr;9(2):92-6 (Eng. Abstr.) **(Ger)**

[Carbohydrate infusion in internal diseases. A comparative study in metabolically health, liver diseased and diabetic patients. VII. Infusions of a glucose-fructose-xylitol mixture (relationship 1:2:1) over 48 hours] Müller PH, et

al. **Infusionsther Klin Ernahr** 1982 Jun;9(3):112–6 (Eng. Abstr.) **(Ger)**

[Carbohydrate infusion in internal diseases. A comparative study of metabolically healthy persons and liver disease and diabetic patients. III. Glucose infusion over a 48–hour period] Müller PH, et al. **Infusionsther Klin Ernahr** 1981 Dec;8(6):266–9 (Eng. Abstr.) **(Ger)**

[Carbohydrate infusions in internal diseases. A comparative study in metabolically normal subjects, patients with liver diseases and diabetics. V. Infusion of a glucose–sorbitol mixture (ratio 1:1) for 48 hours] Müller PH, et al. **Infusionsther Klin Ernahr** 1982 Feb;9(1):16–9 (Eng. Abstr.) **(Ger)**

[Diabetes mellitus: secondary diseases and new therapeutic possibilities] Heinzl S. **Med Monatsschr Pharm** 1981 Oct; 4(10):305–12 **(Ger)**

[Perspectives on the therapy of diabetes] Federlin K. **Verh Dtsch Ges Inn Med** 1981;87:34–48 **(Ger)**

[Therapy of adult diabetes (type II)] Jahnke K. **Verh Dtsch Ges Inn Med** 1981;87:25–34 **(Ger)**

[Patient education and self–surveillance in diabetes mellitus] Willms B. **Verh Dtsch Ges Inn Med** 1981;87:64–70 **(Ger)**

[The significance of guided patient education on the value of metabolic control in a district center for diabetes mellitus] Dichmann R, et al. **Z Gesamte Inn Med** 1981 Jul 15;36(14):491–4 (Eng. Abstr.) **(Ger)**

[Principles and practice of the management of diabetes mellitus] Neuwirth G, et al. **Orv Hetil** 1982 May 9; 123(19):1173–6 **(Hun)**

[Principles, means and evaluation of a programme for diabetes education (author's transl)] Bruni B, et al. **Ann Osp Maria Vittoria Torino** 1981 Jan–Jun;24(1–6):43–74 (Eng. Abstr.) **(Ita)**

[Transplantation of islet cells] Federlin K. **Minerva Dietol Gastroenterol** 1982 Apr–Jun;28(2):99–104 (42 ref.) **(Ita)**

[Pancreas transplantation. I] Marincola F, et al. **Minerva Med** 1982 Sep 8;73(34):2139–46 **(Ita)**

[Pancreas transplantation. II] Marincola F, et al. **Minerva Med** 1982 Sep 15;73(35):2233–42 (Eng. Abstr.) **(Ita)**

[Scope and limitations of the surgical treatment of diabetes] Morsiani E, et al. **Minerva Med** 1982 Mar 3;73(9):443–55 (68 ref.) (Eng. Abstr.) **(Ita)**

[Artificial beta cells of pancreas for diabetics] Kawamori R, et al. **Nippon Rinsho** 1982 Feb;40(2):369–76 **(Jpn)**

[Treatment of acute cholecystitis patients suffering from diabetes mellitus] Rodionov VV, et al. **Khirurgiia (Mosk)** 1981 Oct;(10):17–21 (Eng. Abstr.) **(Rus)**

[Mechanism of hypoglycemic effect of hyperbaric oxygenation in patients with diabetes mellitus] Kakhnovskii IM, et al. **Klin Med (Mosk)** 1981 Sep;59(9):83–8 **(Rus)**

[Prevention, dispensary observation and treatment of pulmonary tuberculosis in patients with diabetes mellitus] **Probl Tuberk** 1981 Sep;(9):68–72 **(Rus)**

[Several methods of treatment of diabetes mellitus and its complications] Spesivtseva VG, et al. **Ter Arkh** 1982; 54(3):105–9 **(Rus)**

[Effect of tissue therapy on body nonspecific reactivity in diabetes mellitus] Gruzina EA, et al. **Vrach Delo** 1982 Jan; (1):68–70 **(Rus)**

[Development of health care services for diabetics in Surdulica] Spasić B, et al. **Srp Arh Celok Lek** 1982 Nov; 109(11):1519–26 **(Scc)**

[Modern classification and therapy of diabetes] Jovanović D, et al. **Med Arh** 1981;35(3):153–6 **(Scr)**

[Systematic management of the pregnant diabetic] Paniagua H, et al. **Ginecol Obstet Mex** 1981 Apr;49(294):281–90 (Eng. Abstr.) **(Spa)**

URINE

Overt diabetes mellitus without glycosuria in a patient with cutaneous ureteroileostomy. Onwubalili JK. **Br Med J [Clin Res]** 1982 Jun 19;284(6332):1836–7

Urinary excretion of 3–hydroxy–3–methylglutaric acid in the diabetic condition. Deana R, et al. **Clin Biochem** 1982 Apr; 15(2):73–5

The case for routinely testing the first–voided urine specimen. Davidson MB. **Diabetes Care** 1981 May–Jun;4(3):443–4

Exercise–induced proteinuria in children and adolescents with type 1 (insulin dependent) diabetes. Huttunen NP, et al. **Diabetologia** 1981 Nov;21(5):495–7

Structural relationships between the endogenous volatile urinary metabolites of experimentally diabetic rats and certain neurotoxins (I). Rhodes G, et al. **Experientia** 1982 Jan 15;38(1):75–7

Microalbuminuria to predict nephropathy in diabetics [letter] Simpson LO. **Lancet** 1982 Aug 7;2(8293):330–1

Microalbuminuria as prediction of nephropathy in diabetics [letter] Viberti GC, et al. **Lancet** 1982 Sep 11;2(8298):611

[Urinary steroids ad glycaemia in diabetics and non–diabetics (author's transl)] Barták V, et al. **Cas Lek Cesk** 1982 Apr 23;121(16):494–8 (Eng. Abstr.) **(Cze)**

[Diabur–Test 5000 – a new test strip for urinary sugar control in diabetic patients (author's transl)] Kattermann R, et al. **Dtsch Med Wochenschr** 1982 Jan 22;107(3):97–100 (Eng. Abstr.) **(Ger)**

[Clinical significance of asymptomatic bacteriuria in women with diabetes mellitus] Hebanowski M, et al. **Pol Tyg Lek** 1981 Sep 14;36(37):1413–6 (Eng. Abstr.) **(Pol)**

[Clinico–prognostic role of evaluation of urine osmolarity and kidney concentrating ability in diabetes mellitus in children] Kniazev IuA, et al. **Pediatriia** 1982 May;(5):34–7 (Eng. Abstr.) **(Rus)**

VETERINARY

Relationship of hypothyroidism to diabetes mellitus, renal amyloidosis, and thrombosis in purebred beagles. Hargis AM, et al. **Am J Vet Res** 1981 Jun;42(6):1077–81

Epizootiologic patterns of diabetes mellitus in dogs. Marmor M, et al. **Am J Vet Res** 1982 Mar;43(3):465–70

Evaluation of a colorimetric method for canine glycosylated hemoglobin. Smith JE, et al. **Am J Vet Res** 1982 Apr; 43(4):700–1

The adrenal medulla of the diabetic mouse (C57BL/KsJ, db/db): biochemical and morphological changes. Carson KA, et al. **Comp Biochem Physiol [A]** 1982;72(2):279–85

Abnormal insulin secretion in adult canines. Chin HP, et al. **Horm Metab Res** 1981 Sep;13(9):486–91

Transient diabetes mellitus and ketoacidosis in a dog. Edwards DF. **J Am Vet Med Assoc** 1982 Jan 1;180(1):68–70

Insulin–induced hyperglycemia in diabetic dogs. Feldman EC, et al. **J Am Vet Med Assoc** 1982 Jun 15;180(12):1432–7

Glycosylated hemoglobin in diabetic and nondiabetic dogs. Mahaffey EA, et al. **J Am Vet Med Assoc** 1982 Mar 15; 180(6):635–7

Serum proteins of Macaca nigra. Identification and changes in nondiabetic and diabetic monkeys. Fang TY, et al. **J Med Primatol** 1981;10(4–5):212–8

Diabetes mellitus in the chimpanzee (Pan troglodytes). Rosenblum IY, et al. **J Med Primatol** 1981;10(2–3):93–101

The blood glucose response to three prolonged duration insulins in canine diabetes mellitus. Church DB. **J Small Anim Pract** 1981 Jun;22(6):301–10

Glycosylated hemoglobin in Mystromys albicaudatus: a diabetic animal model. Little RR, et al. **Lab Anim Sci** 1982 Feb;32(1):44–7

Diabetes mellitus in a toco toucan. Douglass EM. **Mod Vet Pract** 1981 Apr;62(4):293–5

Feline insular amyloid: association with diabetes mellitus. Yano BL, et al. **Vet Pathol** 1981 Sep;18(5):621–7

Diabetes mellitus in cattle. Gould AC. **Vet Rec** 1981 Dec 12;109(24):539

The pancreas—2: diabetes mellitus. Wilkes RD, et al. **VM SAC** 1981 Oct;76(10):1415–8

[Hemorrhagic lung infarct following mucormycosis in a cat suffering from diabetes mellitus (author's transl)] Loupal G. **DTW** 1982 Mar 8;89(3):104–7 (Eng. Abstr.) **(Ger)**

DIABETES MELLITUS, EXPERIMENTAL

Somatostatin–reduced proliferation of murine aplastic carcinoma conditioned to diabetes. Vuk–Pavlović S, et al. **Int J Cancer** 1982 Jun 15;29(6):683–6

[Breeding of spontaneously diabetic sand rats (Psammomys obesus) under laboratory conditions] Klöting I, et al. **Z Versuchstierkd** 1981;23(2):84–90 (Eng. Abstr.) **(Ger)**

BLOOD

Osmolal effects on vasopressin secretion in the streptozotocin–diabetic rat. Van Itallie CM, et al. **Am J Physiol** 1982 Jun;242(6):E411–7

Heparin–sepharose 4B affinity chromatography of plasma very low density lipoprotein from streptozotocin–induced diabetic rats. Nakai T, et al. **Artery** 1982;10(3):202–21

Effects of diabetes and high fat–high cholesterol diet on plasma lipid levels and on erythrocyte membrane composition. Bhandaru R, et al. **Atherosclerosis** 1982 Apr; 42(2–3):263–72

Gas chromatographic determination of the anomers of blood glucose in normal and diabetic rats. Bauer BA, et al. **Biochem Med** 1980 Dec;24(3):293–9

Effect of high glucagon infusions on blood glucose, plasma insulin and beta–OH–butyrate concentrations in streptozotocin–diabetic and normal Osborne Mendel rats. Herberg L, et al. **Comp Biochem Physiol [A]** 1982; 72(2):433–6

Plasma high density lipoprotein cholesterol in streptozotocin diabetic and non–diabetic mice after prolonged administration of glibenclamide, chlorpropamide and metformin. Billingham MS, et al. **Diabete Metab** 1981 Dec; 7(4):271–4

Adrenergic mechanisms in the hyperglycaemia and hyperinsulinaemia of diabetic KK mice. Fujimoto K, et al. **Diabetologia** 1981 May;20(5):568–72

Kinetics of fast haemoglobin in diabetic rats. Vialettes B, et al. **Diabetologia** 1982 Apr;22(4):264–8

Origin of peripheral venous hypersomatostatinemia in alloxan–diabetic dogs. Schusdziarra V, et al. **Endocrinology** 1981 Oct;109(4):1107–16

Dynamic time–course studies of the spontaneously diabetic BB Wistar rat. I. Longitudinal profiles of plasma growth hormone, insulin, and glucose. Tannenbaum GS, et al. **Endocrinology** 1981 Dec;109(6):1872–9

Effect of pancreas transplantation on plasma lipids and plasma concentrations of pancreatic hormones in streptozotocin diabetic rats. Brekke IB, et al. **Eur Surg Res** 1981;13(5):361–70

Plasma glycoproteins of diabetic and normal Chinese hamsters. Copeland J, et al. **Experientia** 1982 Mar 15; 38(3):301–2

Turnover rate of blood glucose in diabetic KK mice. Fujimoto K, et al. **Horm Metab Res** 1981 Jul;13(7):368–70

Neutral sugar composition of the seromucoid and non–diffusible blood sugar–peptide fractions in streptozotocin diabetic rats. Turyna B, et al. **Horm Metab Res** 1981 Oct;13(10):550–2

Effect of Momordica charantia on blood glucose level of normal and alloxan–diabetic rabbits. Akhtar MS, et al. **Planta Med** 1981 Jul;42(3):205–12

Alterations of the prostacyclin–thromboxane ratio in streptozotocin induced diabetic rats. Karpen CW, et al. **Prostaglandins Leukotrienes Med** 1982 Feb;8(2):93–103

Hemoglobin glycosylation as a model for modification of other proteins. Stevens VJ, et al. **Tex Rep Biol Med** 1980–81;40:387–96 (41 ref.)

[Lack of increase of HbA1 in mild experimental diabetes] Tancrède G, et al. **Union Med Can** 1981 Jul;110(7):663–7, 676 (Eng. Abstr.) **(Fre)**

[On the etiology of diabetic hyperlipidemia from the aspects of the metabolism of ApoHDL (author's transl)] Keimatsu M. **Hokkaido Igaku Zasshi** 1981 Sep;56(5):557–69 (Eng. Abstr.) **(Jpn)**

[Experimental studies on the effects of psychic stress on the levels of blood sugar, IRI, NEFA and adrenal adrenaline (author's transl)] Hazeki H. **Igaku Kenkyu** 1980 Jan; 50(1):44–54 (Eng. Abstr.) **(Jpn)**

[Energetic fuels in the blood of the rats with streptozotocin induced diabetes mellitus (author's transl)] Spiroski M, et al. **God Zb Med Fak Skopje** 1979 Jan;25:169–80 (Eng. Abstr.) **(Mac)**

[Effect of carbostimulin on the content of ammonia, glutamine and activity of aminotransferase in blood serum of rabbits with alloxan diabetes] Gulyi MF, et al. **Ukr Biokhim Zh** 1981 Sep–Oct;53(5):80–3 (Eng. Abstr.) **(Rus)**

[Normalizing effect of Bryonia alba L. on blood phospholipids in alloxan diabetes] Vartanian GS, et al. **Vopr Med Khim** 1981 Mar–Apr;27(2):179–81 (Eng. Abstr.) **(Rus)**

CHEMICALLY INDUCED

Long–term isografts of cultured fetal mouse pancreatic islets. The oncogenic effects of streptozotocin and the prevention of diabetic renal complications. Mandel TE, et al. **Am J Pathol** 1981 Sep;104(3):227–36

Maternal–fetal fat transport versus new fat synthesis in the pregnant diabetic rat. Shafrir E, et al. **Diabetologia** 1982 Feb;22(2):111–7

Ascorbic acid diabetogenesis in the domestic fowl. Meglasson MD, et al. **Gen Comp Endocrinol** 1982 Jun;47(2):205–12

Production and study of experimental diabetes in mice with alloxan. Bhaveja UK, et al. **Indian J Pathol Microbiol** 1982 Jan;25(1):1–5

Multiple low–dose streptozotocin–induced hyperglycemia and insulitis in C57BL mice: influence of inbred background, sex, and thymus. Leiter EH. **Proc Natl Acad Sci USA** 1982 Jan;79(2):630–4

[Protection of the islet apparatus in experimental alloxan diabetes] Kudriashov BA, et al. **Patol Fiziol Eksp Ter** 1982 Mar–Apr;(2):67–70 **(Rus)**

COMPLICATIONS

Importance of glucagon in mediating epinephrine–induced hyperglycemia in alloxan–diabetic dogs. Perez G, et al. **Am J Physiol** 1981 Oct;241(4):E328–35

The effect of dietary fructose and diabetes on the rat kidney. Boot–Handford RP, et al. **Br J Exp Pathol** 1981 Aug; 62(4):398–406

Modelling cortical cataractogenesis: 3. In vivo effects of vitamin E on cataractogenesis in diabetic rats. Ross WM, et al. **Can J Ophthalmol** 1982 Apr;17(2):61–6

Reversibility of diabetic cardiomyopathy with insulin in rats. Fein FS, et al. **Circ Res** 1981 Dec;49(6):1251–61

Myocardial composition and function in diabetes. The effects of chronic insulin use. Regan TJ, et al. **Circ Res** 1981 Dec; 49(6):1268–77

Diabetic hypertriglyceridemia: evidence for three clinical syndromes. Reaven GM, et al. **Diabetes** 1981;30(Suppl 2):66–75

Experimental Candida albicans, Staphylococcus aureus, and Streptococcus faecalis pyelonephritis in diabetic rats. Raffel L, et al. **Infect Immun** 1981 Dec;34(3):773–9

Increased susceptibility to pulmonary infection in alloxan diabetic mice. Hebert JC, et al. **J Surg Res** 1981 Oct; 31(4):337–42

Synthesis of immunoreactive insulin in vitro by aplastic mammary carcinoma preconditioned in diabetic mice. Pavelić K, et al. **JNCI** 1981 Sep;67(3):687–8

Complete protection from gentamicin–induced acute renal failure in the diabetes mellitus rat. Teixeira RD, et al. **Kidney Int** 1982 Apr;21(4):600–12

Long–term complications of virus–induced diabetes mellitus in mice. Yoon JW, et al. **Nature** 1982 Apr 8;296(5857):566–9

Effect of stressful stimulation on the incidence of streptozotocin–induced diabetes in mice. Huang SW, et al. **Psychosom Med** 1981 Oct;43(5):431–7

Experimental cerebral zygomycosis in alloxan–diabetic rabbits: variation in virulence among zygomycetes. Reinhardt DJ, et al. **Sabouraudia** 1981 Dec;19(4):245–56

[Quantitative analysis of lesions of the aortic and carotid

artery endothelium in experimental diabetes in rabbits by scanning electron microscopy] Dolgov VV, et al. **Probl Endokrinol (Mosk)** 1981 May-Jun;27(3):61-7 (Eng. Abstr.) **(Rus)**

DRUG THERAPY

Restoration of the LH surge and ovulation by insulin in alloxan-diabetic immature rats treated with pregnant mare's serum gonadotrophin. Kirchick HJ, et al. **Acta Endocrinol (Copenh)** 1982 Jun;100(2):266-73

Meticulous control of diabetes during organogenesis prevents congenital lumbosacral defects in rats. Baker L, et al. **Diabetes** 1981 Nov;30(11):955-9

No reduction of blood glucose in diabetic rats after oral administration of insulin liposomes prepared under acidic conditions. Kawada J, et al. **Endocrinol Jpn** 1981 Apr; 28(2):235-8

Increased release of vascular prostacyclin-like activity after long-term treatment of diabetic rats with Bay g 6575. Chamone DA, et al. **Haemostasis** 1981;10(6):297-303

In vivo effect of methylcobalamin on the peripheral nerve structure in streptozotocin diabetic rats. Yagihashi S, et al. **Horm Metab Res** 1982 Jan;14(1):10-3

Pharmacological sequential trials for the fractionation of components with hypoglycemic activity in alloxan diabetic mice from ginseng radix. Kimura M, et al. **J Pharmacobiodyn** 1981 Jun;4(6):402-9

Effects of hypoglycemic components in ginseng radix on blood insulin level in alloxan diabetic mice and on insulin release from perfused rat pancreas. Kimura M, et al. **J Pharmacobiodyn** 1981 Jun;4(6):410-7

Antidiabetic effect of (-)-epicatechin [letter] Chakravarthy BK, et al. **Lancet** 1982 Jul 31;2(8292):272-3

Lack of antidiabetic effect of (-)-epicatechin [letter] Kolb H, et al. **Lancet** 1982 Jun 5;1(8284):1303-4

Optimal glycaemic control in unrestrained diabetic dogs using programmed compound squarewave insulin infusions. Bahoric A, et al. **Med Biol Eng Comput** 1981 Jul; 19(4):406-10

Hyperglycemia of diabetic rats decreased by a glucagon receptor antagonist. Johnson DG, et al. **Science** 1982 Feb 26;215(4536):1115-6

[Effect of total saponin of panax ginseng on alloxan diabetes in mice] Bao TT. **Yao Hsueh Hsueh Pao** 1981;16(8):618-20 (Eng. Abstr.) **(Chi)**

[Effect of an extract frm the roots of bryony (Bryonia alba) on lipid peroxidation in the liver of rats with alloxan diabetes] Karagezian KG, et al. **Biull Eksp Biol Med** 1981 Aug;92(8):35-7 (Eng. Abstr.) **(Rus)**

[Action of perorally administered sodium ribonucleinate on RNA biosynthesis in the aortic, cardiac, liver and kidney tissue of animals with experimental diabetes mellitus] Germaniuk IaL, et al. **Farmakol Toksikol** 1982 Jan-Feb; 45(1):50-2 (Eng. Abstr.) **(Rus)**

[Comparative evaluation of the hypoglycemic activity of glyoxamide and tolbutamide in normal states and in experimental diabetes] Khaleeva LD, et al. **Probl Endokrinol (Mosk)** 1981 Jul-Aug;27(4):46-8 **(Rus)**

[Insulin-heparin complex, its physiological properties] Kudriashov BA, et al. **Vopr Med Khim** 1981;27(4):547-52 (Eng. Abstr.) **(Rus)**

ENZYMOLOGY

Studies on the alkaline proteinase system in rat skeletal muscle. Dahlmann B, et al. **Acta Biol Med Ger** 1981; 40(10-11):1349-55

Localization of aldose reductase and sorbitol dehydrogenase in the nervous system of normal and diabetic rats. Orosz SE, et al. **Acta Diabetol Lat** 1981 Oct-Dec;18(4):373-81

Effect of endotoxin on hepatic pyruvate kinase activity in normal and diabetic dogs. Sharma C, et al. **Adv Shock Res** 1979;2:245-8

Adipose lipoprotein lipase in insulin-treated diabetic lean and obese Zucker rats. Chan CP, et al. **Am J Physiol** 1982 Jun; 242(6):E445-50

Muscle proteolytic enzyme activities in diabetic rats. McElligott MA, et al. **Am J Physiol** 1981 Nov; 241(5):E378-84

Isolation and characterization of liver glycogen synthase from diabetic rats. Bahnak BR, et al. **Arch Biochem Biophys** 1982 Feb;213(2):492-503

Modified oscillation behavior and decreased D-3-hydroxybutyrate dehydrogenase activity in diabetic rat liver mitochondria. Brignone JA, et al. **Arch Biochem Biophys** 1982 Apr 1;214(2):581-8

Effect of streptozotocin-induced diabetes on the turnover of hexokinase II in the rat. Frank SK, et al. **Biochem Biophys Res Commun** 1982 May 31;106(2):379-84

Effect of streptozotocin diabetes on some urea cycle enzymes. Jordá A, et al. **Biochem Biophys Res Commun** 1982 May 14;106(1):37-43

Studies on the interactions of Ca2+ and pyruvate in the regulation of rat heart pyruvate dehydrogenase activity. Effects of starvation and diabetes. McCormack JG, et al. **Biochem J** 1982 Feb 15;202(2):419-27

Regulation of acetyl-CoA carboxylase in rat mammary gland. Effects of starvation and of insulin and prolactin deficiency on the fraction of the enzyme in the active form in vivo. McNeillie EM, et al. **Biochem J** 1982 Apr 15; 204(1):273-80

The effect of activators of glucuronyltransferase in the streptozotocin-induced diabetic rat. Morrison MH, et al. **Biochem Pharmacol** 1982 May 15;31(10):1944-6

Influence of streptozotocin-induced diabetes on the cytoplasmic factors modulating adenylate cyclase activity in rat lungs. Ofulue AF, et al. **Biochim Biophys Acta** 1981 Jul 17;675(3-4):397-402

Studies on proteolytic activities in heart muscle of diabetic rats. Dahlmann B, et al. **Diabete Metab** 1982 Jun; 8(2):129-35

Increased dose-response relationship of liver plasma membrane adenylate cyclase to glucagon stimulation in diabetic rats. A possible role of the guanyl nucleotide-binding regulatory protein. Allgayer H, et al. **Diabetologia** 1982 Jun;22(6):464-7

Renal collagen glucosyltransferase activity following islet transplantation in streptozotocin-diabetic rats [letter] Bretzel RG, et al. **Diabetologia** 1981 Oct;21(4):428-9

Insulin degradation. XXVIII. Immunocytochemical localization of glutathione-insulin transhydrogenase in the pancreas, kidney and liver of normal and streptozotocin-diabetic rats and of lean and obese (ob/ob) mice. Taylor CA, et al. **Diabetologia** 1981 Nov;21(5):464-9

Superoxide dismutase activity in the intestine of the streptozotocin-diabetic rat. Loven DP, et al. **Endocrinology** 1982 Sep;111(3):737-42

Changes in the levels of urea cycle enzymes and in metabolites thereof in diabetes. Jordá A, et al. **Enzyme** 1981; 26(5):240-4

Effects of fasting, adrenalectomy and streptozotocin-diabetes on sensitivity of hepatic carnitine acyltransferase to malonyl CoA. Saggerson ED, et al. **FEBS Lett** 1981 Jul 6; 129(2):225-8

Activities of hepatic and extrahepatic microsomal mixed function oxidase enzymes in diabetic and gonadectomized-diabetic rats. Al-Turk WA, et al. **Gen Pharmacol** 1981;12(5):345-50

Influences of age and sexual maturity on the response of renal ornithine decarboxylase activity to diabetes mellitus. Levine JH, et al. **Horm Metab Res** 1982 Apr;14(4):172-5

Hormonal effects of glucose-6-phosphatase in the liver & kidney of rats of different ages. Sen R, et al. **Indian J Biochem Biophys** 1981 Aug;18(4):291-4

Serum glycohydrolases in compensated & decompensated alloxan diabetic rabbits. Annamala PT, et al. **Indian J Exp Biol** 1981 Aug;19(8):722-4

Role of pancreatic hormones in dietary induction of ornithine decarboxylase of rat liver. Murakami Y, et al. **J Biochem (Tokyo)** 1981 Jul;90(1):141-7

Effects of alloxan diabetes on the turnover of rat liver glycogen synthase. Comparison with liver phosphorylase. Bahnak BR, et al. **J Biol Chem** 1982 Aug 10; 257(15):8775-80

Effect of insulin on liver pyruvate kinase in vivo and in vitro. Miyanaga O, et al. **J Biol Chem** 1982 Sep 25; 257(18):10617-23

Role of ATP in the regulation of branched-chain alpha-keto acid dehydrogenase activity in liver and muscle mitochondria of fed, fasted, and diabetic rats. Paul HS, et al. **J Biol Chem** 1982 May 10;257(9):4875-81

Hormonal regulation of glycogen synthase phosphorylation in rabbit skeletal muscle. Sheorain VS, et al. **J Biol Chem** 1982 Apr 10;257(7):3462-70

Effect of pancreas transplantation on liver carbohydrate metabolism in streptozotocin diabetic rats. Brekke IB, et al. **J Clin Chem Clin Biochem** 1982 Feb;20(2):81-4

Effect of diabetes mellitus on the regulation of enzyme secretion by isolated rat pancreatic acini. Otsuki M, et al. **J Clin Invest** 1982 Jul;70(1):148-56

Hepatic triacylglycerol lipase activities after induction of diabetes and administration of insulin or glucagon. Knauer TE, et al. **J Lipid Res** 1982 May;23(4):631-7

Total hydroxymethylglutaryl CoA reductase activity in the small intestine and liver of insulin-deficient rats. Young NL, et al. **J Lipid Res** 1982 Feb;23(2):266-75

Trehalase activity in genetically diabetic mice (serum, kidney, and liver). Baumann FC, et al. **J Med Genet** 1981 Dec; 18(6):418-23

Cardiac myofibrillar ATPase activity in diabetic rats. Pierce GN, et al. **J Mol Cell Cardiol** 1981 Dec;13(12):1063-9

Changes in monoamine oxidase activity in rat brain during alloxan diabetes. Mayanil CS, et al. **J Neurochem** 1982 Jan; 38(1):179-83

Circulating dopamine-beta-hydroxylase in the rat: importance of altered disposal pathways in experimental diabetes. Hurst JH, et al. **J Pharmacol Exp Ther** 1982 Jan; 220(1):108-14

Influence of thyroid hormone administration on myosin ATPase activity and myosin isoenzyme distribution in the heart of diabetic rats. Dillmann WH. **Metabolism** 1982 Mar; 31(3):199-204

Alkaline phosphatase activity in chronic streptozotocin-induced insulin deficiency in the rat: effect of insulin replacement. Hough S, et al. **Metabolism** 1981 Dec;30(12):1190-4

Reduced collagenolytic activity of rat kidneys with steptozotocin diabetes. Lubec G, et al. **Nephron** 1982; 30(4):357-60

Altered activities of hepatic and extrahepatic microsomal mixed function oxidase enzymes in diabetic and adrenalectomized diabetic rats. Al-Turk WA, et al. **Pharmacology** 1981;23(6):337-45

Influence of streptozitocin-induced diabetes on glycosyltransferase activities in plasma and renal cortex. Heathcote JG, et al. **Renal Physiol** 1981;4(2-3):96-101

The effect of alloxan-induced diabetes on tissue plasminogen activator activity and plasmin inhibition in the rat. Smokovitis A, et al. **Thromb Res** 1981 Aug 15-Sep 1; 23(4-5):421-34

The effects of alloxan diabetes, insulin and epinephrine on glucose-6-phosphate dehydrogenase from rat liver and brain. Titanji VP, et al. **Ups J Med Sci** 1981;86(1):33-8

[Effect of glucocorticoids and catecholamines on the state of the tissue lysosomal apparatus in rabbits with experimental diabetes] Panin LE, et al. **Probl Endokrinol (Mosk)** 1982 Jan-Feb;28(1):70-3 (Eng. Abstr.) **(Rus)**

[Changes in liver enzyme activity in alloxan diabetes rats] Cheshchevik AB. **Vopr Med Khim** 1982 Mar-Apr; 28(2):66-70 (Eng. Abstr.) **(Rus)**

[Liver mitochondria changes in chronic diabetes induced by streptozotocin or pancreatectomy] Brignone JA, et al. **Medicina (B Aires)** 1981;41(5):520-30 (Eng. Abstr.) **(Spa)**

ETIOLOGY

Induction of experimental autoimmune diabetes by low-dose streptozotocin treatment in genetically resistant mice. Kiesel U, et al. **Immunol Lett** 1981 Oct;3(4):227-30

Hyperglycemia and hyperinsulinemia in the sand rat (Psammomys obesus) with positive or negative energy balance. Adler JH. **Isr J Med Sci** 1982 Jan;18(1):187-91

Effect of castration on the appearance of diabetes in NOD mouse. Makino S, et al. **Jikken Dobutsu** 1981 Apr; 30(2):137-40

Host factors in Coxsackievirus B4-induced pancreopathy. Cook SH, et al. **Lab Invest** 1982 Apr;46(4):377-82

[Experimental analysis of the pathophysiological significance of the 'diabetogenic factor' present in the blood of animals with alloxan diabetes] Baskakova GM, et al. **Probl Endokrinol (Mosk)** 1981 Jul-Aug;27(4):42-5 (Eng. Abstr.) **(Rus)**

FAMILIAL & GENETIC

The influence of genetic background on the expression of mutations at the diabetes locus in the mouse. III. Effect of H-2 haplotype and sex. Leiter EH, et al. **Diabetes** 1981 Dec;30(12):1029-34

The influence of genetic background on the expression of mutations at the diabetes locus in the mouse IV. Male lethal syndrome in CBA/Lt mice. Leiter EH. **Diabetes** 1981 Dec; 30(12):1035-44

Vertical transmission of diabetes in the rat. Milner RD, et al. **J Dev Physiol** 1982 Feb;4(1):39-51

Major plasma glycoproteins of diabetic and nondiabetic Chinese hamsters. Copeland EJ, et al. **J Hered** 1982 Jul-Aug;73(4):311-3

IMMUNOLOGY

Reduced resistance to Pseudomonas septicaemia in diabetic mice. Kitahara Y, et al. **Clin Exp Immunol** 1981 Mar; 43(3):590-8

Streptozotocin effects on T lymphocytes and bone marrow cells. Nichols WK, et al. **Clin Exp Immunol** 1981 Dec; 46(3):627-32

Lymphocytic thyroiditis and diabetes in the BB/W rat. A new model of autoimmune endocrinopathy. Sternthal E, et al. **Diabetes** 1981 Dec;30(12):1058-61

Passive transfer of insulitis from the 'BB' rat to the nude mouse. Nakhooda AF, et al. **Endocrinology** 1981 Dec; 109(6):2264-6

Possible role of isoantibodies to pancreatic antigens in diabetes. Tripathi KK, et al. **Indian J Exp Biol** 1982 Feb; 20(2):112-6

Spontaneous diabetes mellitus syndrome in the rat. I. Association with the major histocompatibility complex. Colle E, et al. **J Exp Med** 1981 Oct 1;154(4):1237-42

Altered resistance to Listeria monocytogenes in diabetic mice. Ishibashi T, et al. **Jpn J Exp Med** 1981 Oct; 51(5):251-9

Macrophage migration inhibition in experimental diabetes. Jones CA, et al. **Proc Soc Exp Biol Med** 1982 Jul; 170(3):298-304

Neonatal thymectomy prevents spontaneous diabetes mellitus in the BB/W rat. Like AA, et al. **Science** 1982 May 7; 216(4546):644-6

Active suppression in the maintenance of pancreatic islet allografts. Zitron IM, et al. **Transplantation** 1981 Aug; 32(2):156-8

METABOLISM

Protein turnover in tissues of diabetic rats. Garlick PJ, et al. **Acta Biol Med Ger** 1981;40(10-11):1301-7

Effect of diabetogenic nitrosourea on the activity of the pentose phosphate hunt in isolated islets. Akpan JO, et al. **Acta Diabetol Lat** 1982 Jan-Mar;19(1):37-47

Hepatic effects of glucose and insulin independent of cyclic nucleotide changes. Davidson MB, et al. **Acta Diabetol Lat** 1981 Oct-Dec;18(4):297-310

Modulation by glucose and D-glyceraldehyde of glucagon and insulin secretion in the isolated perfused streptozotocin-treated rat pancreas. Goto Y, et al. **Acta Diabetol Lat** 1982 Jan-Mar;19(1):23-8

Influence of streptozotocin and alloxan induced diabetes on the metabolism of dermal collagen in albino rats. Mohanam S, et al. **Acta Diabetol Lat** 1981 Jul-Sep;18(3):251-8

Alterations in hepatic nuclear binding of triiodothyronine in experimental diabetes mellitus in rats. Wiersinga WM, et al. **Acta Endocrinol (Copenh)** 1982 Jan;99(1):79-85

Lipid peroxides and alpha-tocopherol in rat streptozotocin-induced diabetes mellitus. Higuchi Y. **Acta Med Okayama** 1982 Jun;36(3):165-75

Mineralization of different bones in streptozotocin-diabetic rats: study on the concentration of eight minerals. Rosholt MN, et al. **Am J Clin Nutr** 1981 Sep;34(9):1680-5

Placental lipid and glycogen content in human and experimental diabetes mellitus. Diamant YZ, et al. **Am J Obstet Gynecol** 1982 Sep 1;144(1):5-11

Effect of insulin on fat and protein deposition in diabetic lean and obese rats. Chan CP, et al. **Am J Physiol** 1982 Jan;242(1):E19-24

In vivo biosynthesis and turnover of glomerular basement membrane in diabetic rats. Cohen MP, et al. **Am J Physiol** 1982 Apr;242(4):F385-9

Calcium homeostasis in chronic streptozotocin-induced diabetes mellitus in the rat. Hough S, et al. **Am J Physiol** 1982 Jun;242(6):E451-6

Characteristics of intestinal glucose secretion in normal and diabetic rats. Levine GM, et al. **Am J Physiol** 1982 May; 242(5):G455-9

Protein synthesis in liver and small intestine in protein deprivation and diabetes. McNurlan MA, et al. **Am J Physiol** 1981 Sep;241(3):E238-45

Endogenous triacylglycerol metabolism in diabetic heart. Paulson DJ, et al. **Am J Physiol** 1982 Jun;242(6):H1084-94

A mechanism for reduced myocardial carnitine levels in diabetic animals. Vary TC, et al. **Am J Physiol** 1982 Aug; 243(2):H154-8

Effect of diabetes on metabolism of 5-hydroxytryptamine by rat lungs perfused in situ. Watkins CA, et al. **Am Rev Respir Dis** 1982 Jul;126(1):175-7

Effects of diabetes on somatogenic and lactogenic receptors in rat liver. Maes M, et al. **Ann Endocrinol (Paris)** 1981 Jul-Sep;42(3):295-6

The effect of diabetes, nutritional factors, and sex on rat liver and kidney mevalonate kinase, mevalonate-5-phosphate kinase, and mevalonate-5-pyrophosphate decarboxylase. Jabalquinto AM, et al. **Arch Biochem Biophys** 1981 Aug; 210(1):132-9

The effect of diabetes on protein synthesis and the respiratory chain of rat skeletal muscle and kidney mitochondria. Rinehart RW, et al. **Arch Biochem Biophys** 1982 Feb; 213(2):341-52

Effects of maternal diabetes on the development of carbohydrate metabolizing enzymes in fetal rat liver. Singh M, et al. **Arch Biochem Biophys** 1981 Jul;209(2):655-67

Aortic endothelial and smooth muscle histamine metabolism in experimental diabetes. Orlidge A, et al. **Arteriosclerosis** 1982 Mar-Apr;2(2):142-50

Fatty acid oxidation of rat brain microvessels in hypertension, aging and experimental diabetes. Morisaki N, et al. **Atherosclerosis** 1982 Apr;42(2-3):221-7

Identification of specific amino acids in diabetic glomerular basement membrane collagen subject to non-enzymatic glucosylation in vivo. Cohen MP, et al. **Biochem Biophys Res Commun** 1981 Jun;100(4):1549-54

Kinetic constants of asialoorosomucoid endocytosis comparison between hepatocytes from normal and streptozotocin-diabetic rats. Dodeur M, et al. **Biochem Biophys Res Commun** 1982 Jun 30;106(4):1169-74

The tissue distribution of fructose-2,6-p2 and fructose-6-P,2-kinase in rats and the effect of starvation diabetes and hypoglycemia on hepatic fructose-2,6-P2 and fructose-6-P,2-kinase. Kuwajima M, et al. **Biochem Biophys Res Commun** 1982 Jan 15;104(1):84-8

The clearance of glycoproteins in diabetic mice. Pizzo SV, et al. **Biochem Biophys Res Commun** 1981 Jul 30; 101(2):704-8

Phenylalanine metabolism in isolated rat liver cells. Effects of glucagon and diabetes. Carr FP, et al. **Biochem J** 1981 Sep 15;198(3):655-60

Insulin binding to liver plasma membranes from rats rendered diabetic by alloxan. A kinetic demonstration of two classes of binding sites in equilibrium with each other. Corin RE, et al. **Biochem J** 1982 Jan 15;202(1):259-62

Characterization of N-glycosylated type I collagen in streptozotocin-induced diabetes. Le Pape A, et al. **Biochem J** 1981 Aug 1;197(2):405-12

Muscle protein synthesis in the streptozotocin-diabetic rat. A possible role for corticosterone in the insensitivity to insulin infusion in vivo. Odedra BR, et al. **Biochem J** 1982 Feb 15;202(2):363-8

Selective depletion of small basic non-glycosylated proteins in diabetes. Samaniego FC, et al. **Biochem J** 1981 Jul 15; 198(1):149-57

The metabolism of L-tryptophan by liver cells prepared from adrenalectomized and streptozotocin-diabetic rats. Smith SA, et al. **Biochem J** 1981 Dec 15;200(3):605-9

Effect of maternal diabetes on fetal bile acid metabolism in the rat. Hassan AS, et al. **Biochem Med** 1981 Apr; 25(2):168-73

Effects of glucose and fructose on conjugation of p-nitrophenol in hepatocytes of normal and streptozotocin-diabetic rats. Eacho PI, et al. **Biochem Pharmacol** 1981 Sep 15;30(18):2616-9

The effect of 5-methylpyrazole-3-carboxylate and nicotinic acid on abnormalities of carbohydrate metabolism in alloxan-diabetic rat muscle. McAllister A, et al. **Biochem Pharmacol** 1982 Jan 1;31(1):63-8

Alterations in labeling of cell-surface glycoproteins from normal and diabetic rat intestinal microvillous membranes. Jacobs LR. **Biochim Biophys Acta** 1981 Dec 7; 649(2):155-61

The biological origin of ketotic dicarboxylic aciduria. In vivo and in vitro investigations of the omega-oxidation of C6-C16-monocarboxylic acids in unstarved, starved and diabetic rats. Mortensen PB, et al. **Biochim Biophys Acta** 1981 Dec 23;666(3):394-404

Use of liposomes to aid intestinal absorption of entrapped insulin in normal and diabetic dogs. Patel HM, et al. **Biochim Biophys Acta** 1982 May 27;716(2):188-93

The acute effects of streptozotocin-induced diabetes on rat liver glycerolipid biosynthesis. Woods JA, et al. **Biochim Biophys Acta** 1981 Dec 23;666(3):482-92

Development of bile acid biogenesis in the rat: effect of neonatal thyroidectomy, adrenalectomy, and streptozotocin-induced diabetes. Hassan AS, et al. **Biol Neonate** 1982;41(3-4):110-4

Effect of gestational alloxan diabetes and fasting on fetal lipogenesis and lipid deposition in pigs. Kasser TR, et al. **Biol Neonate** 1981;40(3-4):105-12

Regulation of hepatic lipogenesis in starved and diabetic animals by thyroid hormone. Sugden MC, et al. **Biosci Rep** 1981 Oct;1(10):757-64

Axonal transport of protein in motor fibres of experimentally diabetic rats--fast anterograde transport. Meiri KF, et al. **Brain Res** 1982 Apr 22;238(1):77-88

The effect of streptozotocin-induced diabetes in rats on cardiac contractile proteins. Malhotra A, et al. **Circ Res** 1981 Dec;49(6):1243-50

Glucose turnover five hours following endotoxin administration to normal and diabetic rats. Kelleher DL, et al. **Circ Shock** 1982;9(1):47-53

Characteristics of ammoniagenesis and gluconeogenesis by the diabetic kidney. In vitro studies in the rat. Lemieux G, et al. **Contrib Nephrol** 1982;31:23-8

Influence of diabetes on oxidation of exogenous substrates in rat aorta. Dahlkvist HH, et al. **Diabete Metab** 1981 Dec; 7(4):275-81

Glucose transport across ocular barriers of the streptozotocin-diabetic rat. DiMattio J, et al. **Diabetes** 1981 Nov;30(11):903-6

Effects of acute experimental diabetes on composite energy metabolism in peripheral nerve axons and Schwann cells. Greene DA, et al. **Diabetes** 1981 Nov;30(11):967-74

Retrograde axonal transport of transmitter enzymes, fucose-labeled protein, and nerve growth factor in streptozotocin-diabetic rats. Jakobsen J, et al. **Diabetes** 1981 Oct;30(10):797-803

Subcutaneous, isogeneic transplantation of duct-ligated pancreas in streptozotocin-diabetic mice. Relationships between carbohydrate tolerance and hormone content in transplant or host pancreas. Kramp RC, et al. **Diabetes** 1981 Oct;30(10):857-64

Effect of diabetes, insulin, starvation, and refeeding on the level of rat hepatic fructose 2,6-bisphosphate. Neely P, et al. **Diabetes** 1981 Dec;30(12):1062-4

Production of 6-oxo-prostaglandin F1alpha by rat aorta: influence of diabetes, insulin treatment, and caloric deprivation. Rogers SP, et al. **Diabetes** 1981 Nov; 30(11):935-9

Abnormalities of pancreatic somatostatin secretion corrected by in vivo insulin treatment of streptozotocin-diabetic rats. Trimble ER, et al. **Diabetes** 1981 Oct;30(10):865-7

Lipoprotein secretion by isolated perfused livers from streptozotocin-diabetic rats. Berry EM, et al. **Diabetologia** 1981 Oct;21(4):402-8

Oestrogen receptors and oestrogen-induced protein synthesis in the uterus of diabetic rats. Ekka E, et al. **Diabetologia** 1981 May;20(5):578-82

Insulin and glucagon release in the diabetic Chinese hamster: differences among inbred sublines. Frankel BJ, et al. **Diabetologia** 1982 Apr;22(4):292-5

Changes in metabolism of rat kidney and liver caused by experimental diabetes and by dietary sucrose. Kang SS, et al. **Diabetologia** 1982 Apr;22(4):285-8

Effect of exercise-training on the metabolic manifestations of streptozotocin-induced diabetes in the rat. Reaven GM, et al. **Diabetologia** 1981 Oct;21(4):415-7

Contractile activity and prostacyclin generation in isolated coronary arteries from diabetic dogs. Sterin-Borda L, et al. **Diabetologia** 1982 Jan;22(1):56-9

Effects of pancreas transplantation on insulin secretion in the rat during ingestion of varying glucose loads. Strubbe JH. **Diabetologia** 1982 May;22(5):354-7

Impaired insulin binding to isolated adipocytes in experimental diabetic ketoacidosis. Whittaker J, et al. **Diabetologia** 1981 Dec;21(6):563-8

Morphological and biochemical observations on hepatic glycogen metabolism in mice on a controlled feeding schedule. II. Streptozotocin-diabetic mice. Hammad ES, et al. **Dig Dis Sci** 1982 Aug;27(8):692-700

Effects of diabetes of calcium-binding protein in the cecum and colon of the rat. Wilson HD, et al. **Digestion** 1981; 22(3):159-64

Comparative effects of diabetogenic agents on hepatic drug metabolism. Chawalit K, et al. **Drug Metab Dispos** 1982 Jan-Feb;10(1):81-6

Changes in somatostatin release from perfused pancreas of streptozotocin-induced diabetic rats. Tabata M, et al. **Endocrinol Jpn** 1981 Apr;28(2):101-9

Effects of in vivo hormonal treatment on serine metabolism in isolated rat hepatocytes. Beliveau GP, et al. **Endocrinology** 1982 Aug;111(2):677-83

The effect of insulin and luteinizing hormone treatment on serum concentrations of testosterone and dihydrotestosterone and testicular 3 beta-hydroxysteroid dehydrogenase activity in intact and hypophysectomized diabetic rats. Blanco FL, et al. **Endocrinology** 1981 Oct; 109(4):1248-53

Estrogen receptor and stimulation of uterine protein synthesis in ovariectomized diabetic rats infused intravenously with 17 beta-estradiol. De Hertogh R, et al. **Endocrinology** 1982 Mar;110(3):741-8

Short term nuclear retention and early cytosol replenishment of estradiol receptors in uteri of ovariectomized diabetic rats after intraperitoneal injection of 17 beta-estradiol: evidence for decreased hormonal activity on protein synthesis. Ekka E, et al. **Endocrinology** 1982 Aug; 111(2):456-61

Dissociation of serum triiodothyronine concentration and hepatic nuclear triiodothyronine-binding capacity in streptozotocin-induced diabetic rats. Las MS, et al. **Endocrinology** 1981 Oct;109(4):1259-63

Effects of streptozotocin-induced diabetes mellitus on the binding and uptake of asialoorosomucoid by isolated hepatocytes from rats. Dodeur M, et al. **Eur J Biochem** 1982 Apr 1;123(2):383-7

Interrelationships between 3-hydroxy-3-methylglutaryl-CoA synthase, acetoacetyl-CoA and ketogenesis. Menahan LA, et al. **Eur J Biochem** 1981 Oct;119(2):287-94

Adrenergic receptors and the onset of streptozotocin-induced diabetes in mice. Nakadate T, et al. **Eur J Pharmacol** 1981 Oct 15;75(1):45-51

Characterization of insulin binding to skeletal muscle sarcolemma during the development of diabetes. Olson EN, et al. **Exp Neurol** 1981 Dec;74(3):800-13

'In vitro' study of liver slices lipid (1-14C) acetate incorporation in experimental diabetes. Greco AV, et al. **Exp Pathol** 1981;20(1):6-10

Metabolic changes of prostaglandins in diabetic rats and restoration by insulin therapy. Sugimoto H, et al. **Fukuoka Igaku Zasshi** 1982 Feb;73(2):76-83

Oral absorption of drugs by the alloxan-diabetic rat. Dajani RM, et al. **Gen Pharmacol** 1981;12(5):339-44

Effect of alloxan diabetes on the characteristics of collagen of cotton pellet granuloma and dorsal skin of Swiss mice. Behera HN, et al. **Gerontology** 1981;27(4):209-15

Increased stability of collagen following alloxan diabetes in Swiss mice. Behera HN, et al. **Gerontology** 1982 May-Jun; 28(3):163-7

Glycogen in pancreatic islets of steroid diabetic rats. Carbohydrate histochemical detection and localization using an immunocytochemical technique. Graf R, et al. **Histochemistry** 1981;73(2):225-32

Immunocytochemical detection of anti-ACTH reactivity in pancreatic islet cells of normal and steroid diabetic rats. Graf R. **Histochemistry** 1981;73(2):233-8

Incorporation in vivo of radioisotopic precursors into seromucoid proteins in streptozotocin diabetic rats. Guzdek A, et al. **Horm Metab Res** 1981 Sep;13(9):491-4

Epididymal fat cyclic-GMP levels during hyperthermia in normal and diabetic rats. Kampa LL, et al. **Horm Metab Res** 1982 Apr;14(4):223

Determination of overall insulin sensitivity in diabetic mice, KK. Taketomi S, et al. **Horm Metab Res** 1982 Jan; 14(1):14-8

Nuclear androgen receptors in prostates from diabetic rats. Tesone M, et al. **Horm Metab Res** 1982 May;14(5):237-40

Vascular prostacyclin release and metabolic derangement in diabetes. Harrison HE, et al. **Horm Metab Res [Suppl]** 1981; 11:43-9

Intestinal absorption of sugars in hypoinsulinism. Bandyopadhyay S, et al. **Indian J Exp Biol** 1981 Oct; 19(10):926-9

Changes in chemical composition of intestinal brush border membrane in alloxan induced chronic diabetes. Pathak RM, et al. **Indian J Exp Biol** 1981 May;19(5):503-5

Studies on protein-bound polysaccharide components & glycosaminoglycans in experimental diabetes--effect of Gymnema sylvestre, R.Br. Rathi AN, et al. **Indian J Exp Biol** 1981 Aug;19(8):715-21

Increased norepinephrine content in diabetic rat heart. Fushimi H, et al. **J Biochem (Tokyo)** 1982 May;91(5):1805-7

Changes in peroxisomal fatty acid oxidation in the diabetic rat liver. Horie S, et al. **J Biochem (Tokyo)** 1981 Dec; 90(6):1691-6

A comparative study of the transport of pyruvate in liver mitochondria from normal and diabetic rats. Kielducka A, et al. **J Bioenerg Biomembr** 1981 Aug;13(3-4):123-32

The tracing of the pathway of mevalonate's metabolism to other than sterols. Brady PS, et al. **J Biol Chem** 1982 Sep 25;257(18):10742-6

Pathways of acetoacetate's formation in liver and kidney. Brady PS, et al. **J Biol Chem** 1982 Aug 25;257(16):9290-3

A method for quantitating the contributions of the pathways of acetoacetate formation and its application to diabetic ketosis in vivo. Ohgaku S, et al. **J Biol Chem** 1982 Aug

25;257(16):9283–9
Modulation of a glycoprotein recognition system on rat hepatic endothelial cells by glucose and diabetes mellitus. Summerfield JA, et al. **J Clin Invest** 1982 Jun;69(6):1337–47
[(35)S]sulfate incorporation into glomerular basement membrane glycosaminoglycans is decreased in experimental diabetes. Cohen MP, et al. **J Lab Clin Med** 1981 Nov; 98(5):715–22
Effects of experimental diabetes on the essential fatty acid–deficient rat. Riisom T, et al. **J Lab Clin Med** 1981 Nov;98(5):764–75
Glycogen accumulation in tibial nerves of experimentally diabetic and aging control rats. Moore SA, et al. **J Neurol Sci** 1981 Nov–Dec;52(2–3):289–303
Altered tissue content and cytosol distribution of trace metals in experimental diabetes. Failla ML, et al. **J Nutr** 1981 Nov; 111(11):1900–9
Metabolism of glucose, fructose and xylitol in normal and streptozotocin–diabetic rats. Hämäläinen MM, et al. **J Nutr** 1982 Jul;112(7):1369–78
Effects of processed rye bran and raw rye bran on glucose metabolism in alloxan diabetic rats. Nygren C, et al. **J Nutr** 1982 Jan;112(1):17–20
Coenzyme A metabolism in pantothenic acid–deficient rats. Reibel DK, et al. **J Nutr** 1982 Jun;112(6):1144–50
Role of insulin in food intake, weight gain and lipid deposition in the Zucker obese rat. Stolz DJ, et al. **J Nutr** 1982 May;112(5):997–1002
Effect of sucrose and Acarbose feeding on the development of streptozotocin–induced diabetes in the rat. Goda T, et al. **J Nutr Sci Vitaminol (Tokyo)** 1982 Feb;28(1):41–56
The pattern of action of blended Chinese traditional medicines to glucose tolerance curves in genetically diabetic KK–CAy mice. Kimura M, et al. **J Pharmacobiodyn** 1981 Dec;4(12):907–15
Effects of experimental diabetes on the concentration of corticosterone in central nervous system, serum and adrenal glands. Tornello S, et al. **J Steroid Biochem** 1981 Dec; 14(12):1279–84
Effects of early diabetes on uridine diphosphosugar synthesis in the rat renal cortex. Cortes P, et al. **Kidney Int** 1982 May;21(5):676–82
Alterations in glomerular RNA in diabetic rats: roles of glucagon and insulin. Cortes P, et al. **Kidney Int** 1981 Oct; 20(4):491–9
Effect of diabetes and insulin replacement on the lipid properties of hepatic smooth endoplasmic reticulum. Holloway CT, et al. **Lipids** 1981 Jul;16(7):525–32
Acute effect of physical exercise on glycogen content and lipoprotein lipase activity in untrained diabetic rats. Rauramaa R. **Med Biol** 1982 Jun;60(3):139–43
Effect of a glucosidase inhibitor on the metabolic response of diabetic rats to a high carbohydrate diet, consisting of starch and sucrose, or glucose. Gray RS, et al. **Metabolism** 1982 Jan;31(1):88–92
Adverse effects of fructose in perfused livers of diabetic rats. Johnson PR, et al. **Metabolism** 1982 Feb;31(2):121–5
CP–45,634: a novel aldose reductase inhibitor that inhibits polyol pathway activity in diabetic and galactosemic rats. Peterson MJ, et al. **Metabolism** 1979 Apr;28(4 Suppl 1):456–61
Insulin and glucagon binding and stimulation of amino acid transport in isolated hepatocytes from streptozotocin diabetic rats. Samson M, et al. **Metabolism** 1982 Aug; 31(8):766–72
Cyclic nucleotide phosphodiesterase and aggregation in platelets from diabetic rats. Umeda F, et al. **Metabolism** 1982 Jul;31(7):704–9
Somatostatin secretion in diabetic rabbits. Wilson HK, et al. **Metabolism** 1982 May;31(5):428–32
2–Tetradecylglycidic acid. Tutwiler GF, et al. **Methods Enzymol** 1981;72:533–51
Histochemical and quantitative biochemical changes in mucopolysaccharides of the term placenta of the diabetic rat. Abramovici A, et al. **Placenta** 1982 Jan–Mar;3(1):81–90
Degradation of intra– and extrahepatic protein by livers of normal and diabetic mice: differential responses to starvation. Hutson NJ, et al. **Proc Natl Acad Sci USA** 1982 Mar;79(6):1737–41
Nonenzymatic glycosylation of peripheral nerve protein in diabetes mellitus. Vlassara H, et al. **Proc Natl Acad Sci USA** 1981 Aug;78(8):5190–2
Intestinal and hepatic cholesterol synthesis in the alloxan diabetic rat. Goodman MW, et al. **Proc Soc Exp Biol Med** 1982 Jul;170(3):286–90
The effect of experimental diabetes on prostacyclin production by tissues from pregnant rats. El Tahir KE, et al. **Prostaglandins Leukotrienes Med** 1982 May; 8(5):429–35
Glomerular pyrimidine metabolism in experimental diabetic nephropathy. Cortes P, et al. **Renal Physiol** 1980; 3(1–6):79–87
Cyclic nucleotides and cyclic nucleotide phosphodiesterases in kidneys from rats with experimental diabetes. Hoskins B, et al. **Res Commun Chem Pathol Pharmacol** 1981 Aug; 33(2):381–4
Altered magnesium transport in slices of kidney cortex from chemically–induced diabetic rats. Hoskins B. **Res Commun Chem Pathol Pharmacol** 1981 Oct;34(1):29–45
Elevation of serum and ventricular norepinephrine content in the diabetic rat. Paulson DJ, et al. **Res Commun Chem Pathol Pharmacol** 1981 Sep; 33(3):559–62
Dopamine receptor binding is increased in diabetic rats. Lozovsky D, et al. **Science** 1981 Nov 27;214(4524):1031–3
Hepatic steatosis in diabetes: increased synthesis of triacylglycerol and impaired feedback regulation. Murthy VK, et al. **Trans Assoc Am Physicians** 1981;94:322–32
Studies on collagen metabolism in rats. II. Turnover and amino acid composition of the collagen of glomerular basement membrane in diabetes mellitus. Romen W, et al. **Virchows Arch [Cell Pathol]** 1981;36(2–3):313–20
[Effect of maternal intolerance to carbohydrates on the development of autonomic innervation in the fetus of the rat] De Gasparo M. **Rev Med Suisse Romande** 1981 Jun; 101(6):433–8 **(Fre)**
[A combined carbohydrate immunocytochemical technic for localization of glycogen in the pancreatic islands of steroid diabetic rats] Graf R, et al. **Acta Histochem [Suppl] (Jena)** 1982;25:61–2 **(Ger)**
[Effects of a tryptophan load on brain levels of serotonin in normal and diabetic rats] Masiello P, et al. **Boll Soc Ital Biol Sper** 1981 Apr 15;57(7):744–7 (Eng. Abstr.) **(Ita)**
[Lipoperoxide level of scavenging enzyme activities in the diabetic albino rabbit retina (author's transl)] Kadoya K. **Nippon Ganka Gakkai Zasshi** 1981;85(7):646–55 (Eng. Abstr.) **(Jpn)**
[Carbohydrate, electrolyte and water contents in the cataractous lens of streptozotocin diabetic rats (author's transl)] Ono H, et al. **Nippon Ganka Gakkai Zasshi** 1981 Dec 10;85(12):2115–9 (Eng. Abstr.) **(Jpn)**
[Changes in glucose metabolism and cardiovascular responses in thyroidectomized streptozotocin treated diabetic rats (author's transl)] Fujii E, et al. **Nippon Yakurigaku Zasshi** 1982 Jan;79(1):33–41 (Eng. Abstr.) **(Jpn)**
[Effect of hydrocortisone and insulin on the adenine nucleotide content of the spleens of alloxan diabetes rats] Khaliavko PM, et al. **Ukr Biokhim Zh** 1982 Mar–Apr; 54(2):213–6 (Eng. Abstr.) **(Rus)**
[Uptake of 14C–nicotinic acid by membrane structures of rat tissue in alloxan diabetes with insulin administration] Totskiĭ VN, et al. **Ukr Biokhim Zh** 1982 Mar–Apr; 54(2):180–4 (Eng. Abstr.) **(Rus)**
[Mitochondrial changes in the myocardium of diabetic rats] Grinblat L, et al. **Medicina (B Aires)** 1981;41(3):309–20 (Eng. Abstr.) **(Spa)**

MICROBIOLOGY

The development of an altered gingival crevicular microflora in the alloxan–diabetic rat. McNamara TF, et al. **Arch Oral Biol** 1982;27(3):217–23
Inhibition of virus–induced murine diabetes by an interferon inducer. Gadzik JP, et al. **J Interferon Res** 1982;2(1):59–63
Virus–induced diabetes mellitus: autoimmunity and polyendocrine disease prevented by immunosuppression. Onodera T, et al. **Nature** 1982 May 6;297(5861):66–8
[Biological selection of Bordetella pertussis and Salmonella schottmuelleri using the diabetic mouse] Zarazúa M, et al. **Salud Publica Mex** 1981 Nov–Dec;23(6):665–7 (Eng. Abstr.) **(Spa)**

MORTALITY

Hypertension in Brattleboro rats and the injurious influence of salt in youth. Dlouhá H, et al. **Physiol Bohemoslov** 1981; 30(6):531–8

PATHOLOGY

Depopulation of the ventromedial hypothalamic nucleus in the diabetic Chinese hamster. Garris DR, et al. **Acta Neuropathol (Berl)** 1982;56(1):63–6
Change in mast cell dimensions increases the profile number in sections of peripheral nerve of diabetic rats. Jakobsen J, et al. **Acta Neuropathol (Berl)** 1982;56(2):157–60
Effect of streptozotocin–diabetes on thymus of normal and adrenalectomized rats. Roldán A, et al. **Acta Physiol Lat Am** 1980;30(3):205–10
Ultrastructure and elastic changes of regenerated basement membrane in normal and diabetic rats. Fisher RF, et al. **Br J Exp Pathol** 1982 Jun;63(3):341–50
Ultrastructural axonal pathology in experimentally diabetic and aging control rats. Moore SA, et al. **Brain Res Bull** 1982 Mar;8(3):317–23
The effects of intermittent insulin therapy on the autonomic neuropathy in the streptozotocin diabetic rat. Monckton G, et al. **Can J Neurol Sci** 1982 May;9(2):79–84
The structure of the lens epithelium and its basement membrane in the diabetic state. Hayes BP, et al. **Curr Eye Res** 1981;1(6):317–26
Aortic endothelium of alloxan diabetic rabbits: a quantitative study using scanning electron microscopy. Dolgov VV, et al. **Diabetologia** 1982 May;22(5):338–43
Effect of early and chronic hypoinsulinism on adipose tissue cellularity in the rat. Goursot R, et al. **Diabetologia** 1981 Oct;21(4):418–21
Morphological changes in the hypothalamic–hypophyseal–gonadal axis of male rats after twelve months of streptozotocin–induced diabetes. Rossi GL, et al. **Diabetologia** 1981 Nov;21(5):476–81
Acute renal hypertrophy in experimental diabetes: lack of effect of short–term growth hormone administration. Seyer–Hansen K, et al. **Diabetologia** 1981 Oct;21(4):374–5
Structural features of the rat small intestinal microvillus membrane in acute experimental diabetes. Madara JL, et al. **Dig Dis Sci** 1982 Sep;27(9):801–6
Dynamic time–course studies of the spontaneously diabetic BB Wistar rat. II. Insulin–, glucagon–, and somatostatin–reactive cells in the pancreas. Tannenbaum GS, et al. **Endocrinology** 1981 Dec;109(6):1880–7
Morphometric analysis of basal laminae in rats with long–term streptozotocin diabetes. I. Vitreoretinal juncture. Fischer F, et al. **Exp Eye Res** 1982 Apr;34(4):595–600
Myocardial structure and capillary basal laminar thickness in experimentally diabetic rats. Fischer VW, et al. **Exp Mol Pathol** 1981 Oct;35(2):244–56
Comparison of rat plasma glycoprotein composition with biochemical activity and morphology of liver Golgi apparatus in streptozotocin diabetes treated with insulin. Kordowiak A, et al. **Folia Histochem Cytochem (Krakow)** 1981;19(4):181–8
Immunocytochemical demonstration of nerve growth factor and histofluorescence of catecholaminergic nerves in the salivary glands of diabetic mice. Carson KA, et al. **Histochem J** 1982 Jan;14(1):35–48
Effects of streptozotocin–induced diabetes on the number and diameter of fibres in different skeletal muscles of the rat. Hegarty PV, et al. **J Anat** 1981 Sep;133(Pt 2):205–11
Development of glomerular lesions in experimental long–term diabetes in the rat. Hirose K, et al. **Kidney Int** 1982 May;21(5):889–95
Diabetic nephropathy in the uninephrectomized dog: microscopic lesions after one year. Steffes MW, et al. **Kidney Int** 1982 May;21(5):721–4
Immunoglobulin deposition in the microvasculature of the streptozotocin–induced diabetic rat. Axe SR, et al. **Lab Invest** 1981 Sep;45(3):229–33
Identification of microtubules in normal and diabetic rabbit islets grown in monolayer culture. Boyd AE 3d, et al. **Metabolism** 1982 Feb;31(2):154–7
Influence of insulin on galactosyl transferase activity and morphology of the liver Golgi apparatus in control and streptozotocin–diabetic rats. Kaczmarski F, et al. **Pathol Res Pract** 1981 Jul;172(1–2):130–7
Effect of alloxan–induced diabetes on the glomerular filtration barrier of the rat. Evan AP, et al. **Renal Physiol** 1980;3(1–6):257–64
Precise quantitation of glomerular basement membrane morphology. Gundersen HJ, et al. **Renal Physiol** 1980; 3(1–6):303–11
Augmented mitogenesis in normal connective tissue cells following mast–cell secretion in diabetic rats. Norrby K, et al. **Virchows Arch [Cell Pathol]** 1982;39(2):137–44
Studies on retinal microangiopathy and coronary macroangiopathy in rats with streptozotocin–induced diabetes. Waber S, et al. **Virchows Arch [Cell Pathol]** 1981; 37(1):1–10
Studies of the lung in diabetes mellitus. I. Ultrastructural studies of the lungs in alloxan–induced diabetic rats. Sugahara K, et al. **Virchows Arch [Pathol Anat]** 1981; 390(3):313–24
[Histological investigations on the thyroid gland of sand rats (Psammomys obesus) during the development of diabetes mellitus (author's transl)] Hahn von Dorsche H. **Anat Anz** 1981;150(3):343–5 **(Ger)**
[Corneal epithelium in diabetes (author's transl)] Tanaka M, et al. **Nippon Ganka Gakkai Zasshi** 1981 Sep 10; 85(9):1216–25 (Eng. Abstr.) **(Jpn)**
[Morphometric evaluation of the renal arterioles in animals with experimental diabetes] Rogoziński R, et al. **Patol Pol** 1981 Oct–Dec;32(4):523–6 (Eng. Abstr.) **(Pol)**
[Electron microscopy study of the rat spiral organ hair cells in experimental latent and apparent diabetes mellitus] Khasanov SA, et al. **Vestn Otorinolaringol** 1981 Jul–Aug; (4):16–21 (Eng. Abstr.) **(Rus)**

PHYSIOPATHOLOGY

Biomechanical changes in connective tissues induced by experimental diabetes. Andreassen TT, et al. **Acta Endocrinol (Copenh)** 1981 Nov;98(3):432–6
Effect of alloxan diabetes on kidney growth in intact and castrated mice. Broulik PD, et al. **Acta Endocrinol (Copenh)** 1982 Jan;99(1):109–11
Coronary dilator actions of adenosine and CO2 in experimental diabetes. Downing SE, et al. **Am J Physiol** 1982 Aug;243(2):H252–8
Effects of insulin on ventricular function in diabetic lambs with acidosis. Downing SE, et al. **Am J Physiol** 1981 Sep; 241(3):H401–7
Metabolic and hormonal changes following endotoxin administration to diabetic rats. Kelleher DL, et al. **Am J Physiol** 1982 Jul;243(1):R77–81
State of metabolic control determines role of epinephrine–glucagon interaction in glucoregulation in diabetes. Kemmer FW, et al. **Am J Physiol** 1982 Jun; 242(6):E428–36
Sympathetic and vascular dysfunction in early experimental juvenile diabetes mellitus. Mueller SM, et al. **Am J Physiol** 1982 Aug;243(2):H139–44
Insulin reversal of diabetes–induced inhibition of vascular contractility in the rat. Pfaffman MA, et al. **Am J Physiol** 1982 Apr;242(4):H490–5
Gastrin and growth of the alimentary tract in the streptozotocin–diabetic rat. Schedl HP, et al. **Am J Physiol** 1982 May;242(5):G460–3

Shivering thermogenesis and glucose uptake by muscles of normal or diabetic rats. Smith OL, et al. **Am J Physiol** 1982 Jan;242(1):R109–15

Importance of cholinergic innervation of the pancreas for glucose tolerance in the rat. Trimble ER, et al. **Am J Physiol** 1981 Nov;241(5):E337–41

Response of the aorta of the obese Zucker rat to injury. Haudenschild CC, et al. **Arteriosclerosis** 1981 May–Jun; 1(3):186–91

Proaggregatory effect of fasting on platelet aggregation in the microcirculation of mice with streptozotocin diabetes. Rosenblum WI, et al. **Arteriosclerosis** 1981 Mar–Apr; 1(2):127–33

Thermal stability, mechanical properties and reducible cross-links of rat tail tendon in experimental diabetes. Andreassen TT, et al. **Biochim Biophys Acta** 1981 Oct 12; 677(2):313–7

Effect of maternal diabetes on response to hypoxia in the newborn rabbit. Epstein MF, et al. **Biol Neonate** 1981; 40(1–2):56–61

Liver tumours following streptozotocin administration in rats and the effects of pancreatic islet cell transplantation. Lauder I, et al. **Carcinogenesis** 1981;2(8):799–803

Influence of diabetes on the myocardium and coronary arteries of rhesus monkey fed an atherogenic diet. Haider B, et al. **Circ Res** 1981 Dec;49(6):1278–88

Diabetes in pregnancy: effects on the maturation of (pro) insulin biosynthesis in fetal and neonatal rat islets. Eriksson U, et al. **Diabete Metab** 1981 Dec;7(4):243–9

Diabetic macroangiopathy and growth hormone. Ledet T. **Diabetes** 1981;30(Suppl 2):14–7

Thermogenesis in diabetes-obesity syndromes in mutant mice. Coleman DL. **Diabetologia** 1982 Mar;22(3):205–11

Characterisation of the abnormal pancreatic D and A cell function in streptozotocin diabetic dogs: studies with D-glyceraldehyde, dihydroxyacetone, D-mannoheptulose, D-glucose, and L-arginine. Hermansen K. **Diabetologia** 1981 Nov;21(5):489–94

Renal function in streptozotocin-diabetic rats. Jensen PK, et al. **Diabetologia** 1981 Oct;21(4):409–14

The low dose streptozotocin murine model of type 1 (insulin-dependent) diabetes mellitus: studies in vivo and in vitro of the modulating effect of sex hormones. Kromann H, et al. **Diabetologia** 1982 Mar;22(3):194–8

The diabetic syndrome of the 'BB' Wistar rat: possible relevance to type 1 (insulin-dependent) diabetes in man. Marliss EB, et al. **Diabetologia** 1982 Apr;22(4):225–32 (44 ref.)

Potassium ion concentration alters glucagon secretion independently of insulin secretion in the isolated rat pancreas. Smith SS, et al. **Diabetologia** 1982 Mar; 22(3):188–93

Axonal transport of noradrenaline and noradrenergic transmission in rats with streptozotocin-induced diabetes. Tomlinson DR, et al. **Diabetologia** 1982 Mar;22(3):199–204

Wound healing in normal and diabetic Chinese hamsters. Weringer EJ, et al. **Diabetologia** 1981 Oct;21(4):394–401

Biochemical and histological characterization of chemical-induced diabetes mellitus in the rhesus monkey (Macaca mulatta). Rosenblum IY, et al. **Ecotoxicol Environ Safety** 1981 Dec;5(4):513–27

Decreased thyroidal response to thyrotropin in diabetic mice. Bagchi N, et al. **Endocrinology** 1981 Nov;109(5):1428–32

Lymphopenia and abnormal lymphocyte subsets in the 'BB' rat: relationship to the diabetic syndrome. Poussier P, et al. **Endocrinology** 1982 May;110(5):1825–7

A new animal model for fetal macrosomia in diabetic pregnancy. Kim YS, et al. **Exp Mol Pathol** 1981 Dec; 35(3):388–93

Effects on prostaglandins F2 alpha, I2, and indomethacin on isolated coronary arteries from healthy and alloxan-diabetic dogs. Palik I, et al. **Experientia** 1981; 37(8):863–4

Mechanisms of coronary vasoconstriction induced by Na arachidonate in experimentally diabetic dogs. Sterin-Borda L, et al. **Experientia** 1982 Jul 15;38(7):835–7

Hepatocyte and Kupffer cell functions during liver regeneration in streptozotocin-diabetic rats. Cornell RP, et al. **Hepatology** 1981 Sep–Oct;1(5):424–30

Motor and sensory conduction in peripheral nerves of unanaesthetized streptozotocin diabetic and normal rats during ischemia. David J, et al. **Indian J Physiol Pharmacol** 1982 Jan–Mar;26(1):13–22

Effects of streptozotocin diabetes, insulin treatment, and training on the diaphragm. Ianuzzo CD, et al. **J Appl Physiol** 1982 Jun;52(6):1471–5

Physical training in diabetic rats: effect on glucose tolerance and serum lipids. Tan MH, et al. **J Appl Physiol** 1982 Jun; 52(6):1514–8

Supersensitivity of isolated mesenteric arteries to noradrenaline in the long-term experimental diabetic rat. Jackson CV, et al. **J Auton Pharmacol** 1981 Dec; 1(5):399–405

A possible mechanism of insulin resistance in the rat adipose cell in streptozotocin-induced diabetes mellitus. Depletion of intracellular glucose transport systems. Karnieli E, et al. **J Clin Invest** 1981 Sep;68(3):811–4

Determinants of glomerular filtration and plasma flow in experimental diabetic rats. Michels LD, et al. **J Lab Clin Med** 1981 Dec;98(6):869–85

Metabolism of phospholipids in peripheral nerve from rats with chronic streptozotocin-induced diabetes: increased turnover of phosphatidylinositol-4,5-bisphosphate. Bell ME, et al. **J Neurochem** 1982 Jul;39(1):192–200

Endoneurial fluid pressure in experimental models of diabetic neuropathy. Powell HC, et al. **J Neuropathol Exp Neurol** 1981 Nov;40(6):613–24

Effects of streptozotocin diabetes and insulin treatment on myocardial sodium pump and contractility of the rat heart. Ku DD, et al. **J Pharmacol Exp Ther** 1982 Aug; 222(2);395–400

Increased resistance of diabetic rats to acetaminophen-induced hepatotoxicity. Price VF, et al. **J Pharmacol Exp Ther** 1982 Mar;220(3):504–13

Pancreatic endocrine function in cortisol-treated thyroidectomized calves. Bloom SR, et al. **J Physiol (Lond)** 1981 Sep;318:395–406

Glomerular permeability to neutral and anionic dextrans in experimental diabetes. Michels LD, et al. **Kidney Int** 1982 May;21(5):699–705

Intravascular and extracellular volumes in the diabetic rat. Ilstrup KM, et al. **Life Sci** 1981 Aug 17;29(7):717–24

The effect of calcitonin on food intake in diabetic mice. Morley JE, et al. **Peptides (Fayetteville)** 1982 Jan–Feb; 3(1):17–20

Role of insulin in mandibular growth and development. Liu FT, et al. **Proc Soc Exp Biol Med** 1981 Sep;167(4):547–50

In vitro renal transport functions of the progeny of rats with streptozotocin-induced diabetes. Rolig EC, et al. **Proc Soc Exp Biol Med** 1982 Jun;170(2):139–45

Comparison of systemic and uterine effects of relaxin and insulin in alloxan-treated, hyperglycemic rats. Vasilenko P 3d, et al. **Proc Soc Exp Biol Med** 1982 Mar;169(3):376–9

Prostacyclin (PGI2) and U-46619 stimulate coronary arteries from diabetic dogs and their action is influenced by inhibitors of prostaglandin biosynthesis. Sterin-Borda L, et al. **Prostaglandins** 1981 Aug;22(2):267–78

Effects of prostaglandins E2, I2 and F2 alpha on the tone of isolated coronary arteries from alloxan-diabetic dogs. Palik I, et al. **Prostaglandins Leukotrienes Med** 1982 Jun; 8(6):607–14

The rate of synthesis and breakdown of glomerular basement membrane material at the transition 'normal to diabetes' and 'diabetes to normal'. Osterby R, et al. **Renal Physiol** 1980;3(1–6):298–302

Glomerular basement membrane turnover in young, old, and streptozotocin-diabetic rats. Romen W, et al. **Renal Physiol** 1980;3(1–6):324–9

The effect of starvation, diabetes or hypophysectomy on the testicular function in rat. Ruiz de Galarreta CM, et al. **Rev Esp Fisiol** 1981 Jun;37(2):135–40

[Disparity between the effect of glucose and arginine on insulin secretion from the perfused pancreas of non insulin dependent diabetic rats] Giroix MH, et al. **C R Seances Acad Sci [III]** 1981 Nov 16;293(10):601–6 (Eng. Abstr.) **(Fre)**

[Effects of a vasodilator, nicergoline, on fetal and placental growth in diabetic gestating rats (author's transl)] Clabaut M, et al. **J Pharmacol** 1982 Apr–Jun;13(2):253–63 (Eng. Abstr.) **(Fre)**

[Changes in the conductivity of the coronary vascular network in diabetes mellitus under the effect of cathecholamines and sympathetic stimulation] Palik I, et al. **Orv Hetil** 1981 Nov 8;122(45):2789–91 **(Hun)**

PREVENTION & CONTROL

Pertussis vaccine inhibits immune insulitis induced with streptozotocin. Huang SW, et al. **Clin Exp Immunol** 1982 May;48(2):375–80

The prevention of alloxan-induced diabetes in mice by the iron-chelator detapac: suggestion of a role for iron in the cytotoxic process. Heikkila RE, et al. **Experientia** 1982 Mar 15;38(3):378–9

The prophylactic action of (-)-epicatechin against alloxan induced diabetes in rats. Chakravarthy BK, et al. **Life Sci** 1981 Nov 16;29(20):2043–7

Virus-induced diabetes in mice prevented by a live attenuated vaccine [letter] Notkins AL, et al. **N Engl J Med** 1982 Feb 25;306(8):486

Superoxide dismutase is a prophylactic against alloxan diabetes. Grankvist K, et al. **Nature** 1981 Nov 12; 294(5837):158–60

Reduction in the diabetogenic effect of alloxan in mice by treatment with the antineoplastic agent ICRF-187. El-Hage AN, et al. **Res Commun Chem Pathol Pharmacol** 1981 Sep; 33(3):509–23

[Plasma and pancreatic levels of diphenylhydantoin and their relation to protection from chemical diabetes induced alloxan in mice] Espósito Avella M, et al. **Rev Med Panama** 1981 Sep;6(3):278–88 (Eng. Abstr.) **(Spa)**

PSYCHOLOGY

Tail pinch behavior and analgesia in diabetic mice. Levine AS, et al. **Physiol Behav** 1982 Jan;28(1):39–43

SURGERY

Biochemical changes after surgical stress in rabbits. Kojima H. **Jpn J Surg** 1982;12(1):52–60

[A preliminary report on the experimental research of transplantation of pancreatic islet of new born rats to alloxan diabetic rats (author's transl)] Hu YF. **Chung Hua Nei Ko Tsa Chih** 1981 Sep;20(9):535–9 **(Chi)**

THERAPY

Normal response to pregnancy in rats cured of streptozotocin diabetes by transplantation of one fetal pancreas. Brown J, et al. **Diabetologia** 1982 Apr;22(4):273–5

Reversal of diabetes by isogeneic transplantation of cultured pancreatic islets. Ziegler B, et al. **Endokrinologie** 1981 Mar; 77(3):346–52

Electromagnetic stimulation of the rat pancreas and the lowering of serum glucose levels. Milch PO, et al. **Trans Am Soc Artif Intern Organs** 1981;27:246–9

Successful allografts of pancreatic islets in diabetic rabbits after donor-specific blood transfusion and antilymphocyte serum treatment. Jolley WB, et al. **Transplant Proc** 1982 Jun;14(2):413–4

Allotransplantation of insulinoma into the testis of diabetic rats. Akimaru K, et al. **Transplantation** 1981 Sep; 32(3):227–32

Reversal of diabetes by the isotransplantation of nicotinamide-streptozotocin-induced islet adenoma in rats. Dixit PK, et al. **Transplantation** 1982 Feb;33(2):163–7

Effect of short-term insulin treatment on the reversal of diabetes after transplantation of syngeneic cultured or uncultured fetal mouse pancreas. Hoffman L, et al. **Transplantation** 1981 Oct;32(4):342–5

Fetal pancreas allografts for reversal of diabetes in rats. II. Induction of life-term-specific unresponsiveness to pancreas allografts across nonmajor histocompatibility complex barriers. Mullen Y, et al. **Transplantation** 1982 Jan; 33(1):3–11

Transplantation of pancreatic islets into cleared mammary fat pads. Outzen HC, et al. **Transplantation** 1981 Aug; 32(2):101–5

[Anatomic and functional study of endocrine pancreatic tissue enclosed in hollow fibers] Altman JJ, et al. **Journ Annu Diabetol Hotel Dieu** 1982;:169–79 **(Fre)**

[Experimental study of a bio-artificial pancreas in the dog] Orsetti A, et al. **Journ Annu Diabetol Hotel Dieu** 1982; :189–201 **(Fre)**

[Transplantation of the islands of Langerhans enclosed in diffusion chambers] Theodorou NA, et al. **Journ Annu Diabetol Hotel Dieu** 1982;:181–8 **(Fre)**

[Organ cultures from isolated pancreatic islets of rats and their transplantation into streptozotocin-diabetic rats] Kojima Y, et al. **Z Exp Chir** 1981;14(4):166–74 (Eng. Abstr.) **(Ger)**

[Experimental transplantation of the islands of Langerhans] Farkas G, et al. **Orv Hetil** 1982 Feb 14;123(7):395–7 **(Hun)**

URINE

Urinary excretion of 3-hydroxy-3-methylglutaric acid in the diabetic condition. Deana R, et al. **Clin Biochem** 1982 Apr; 15(2):73–5

Proteinuria in the acutely diabetic rat and its response to insulin treatment. Pennell JP, et al. **Diabetologia** 1981 Jul; 21(1):54–7

Excretion of urinary volatile metabolites in response to alloxan induced diabetes of short duration in rats. Rhodes G, et al. **J Chromatogr** 1982 Mar 12;228:33–42

Pattern of urinary proteins in experimental diabetes. Pennell JP, et al. **Kidney Int** 1982 May;21(5):709–13

DIABETES MELLITUS, JUVENILE

Juvenile diabetes mellitus. Marshall RN Jr. **Am Fam Physician** 1982 Jan;25(1):193–8

The dental status of a group of diabetic children. Faulconbridge AR, et al. **Br Dent J** 1981 Oct 20; 151(8):253–5

The dental status of a group of diabetic children [letter] Valentine AD. **Br Dent J** 1982 Jan 5;152(1):3

Five years' experience of a 'prepregnancy' clinic for insulin-dependent diabetics. Steel JM, et al. **Br Med J [Clin Res]** 1982 Jul 31;285(6338):353–6

Cognitive and behavioral knowledge about insulin-dependent diabetes among children and parents. Johnson SB, et al. **Pediatrics** 1982 Jun;69(6):708–13

[Adolescence and diabetes] Mäenpää J. **Duodecim** 1981; 97(12):864–71 **(Fin)**

[Diabetes in the extreme ages of life: introduction] Lefèbvre P. **Rev Med Liege** 1981 Nov 1;36(21):777 **(Fre)**

BLOOD

Circadian plasma citrate rhythms in juvenile diabetics. Thomassen A, et al. **Acta Med Scand** 1981;210(3):163–71

Relationship between metabolic control and plasma lipoprotein level in diabetic children. Soltész G, et al. **Acta Paediatr Acad Sci Hung** 1982;23(1):75–83

Home monitoring of diabetic control. Baum JD. **Arch Dis Child** 1981 Dec;56(12):897–9

Impact of home blood glucose monitoring on childhood diabetes. Baumer JH, et al. **Arch Dis Child** 1982 Mar; 57(3):195–9

Total glycosylated haemoglobin (HbA1) levels in diabetic children. Mann NP, et al. **Arch Dis Child** 1982 Jun; 57(6):434–7

Platelet aggregation and reversible platelet aggregates in type I-diabetes staged by retinal fluorescein angiography. Silberbauer K, et al. **Atherosclerosis** 1981 Aug–Sep;

40(1):81–90
Isotope turnover studies in uncontrolled diabetes and the effects of insulin. Saunders J, et al. **Ciba Found Symp** 1982; 87:273–92
Hemoglobin A1 in hemolysates from healthy and insulin-dependent diabetic children, as determined with a temperature-controlled minicolumn assay. Kaplan LA, et al. **Clin Chem** 1982 Jan;28(1):13–8
Activation of platelet in vivo function and plasma levels of catecholamines and growth hormone during bicycle exercise in juvenile diabetes and healthy individuals. Schernthaner G, et al. **Curr Probl Clin Biochem** 1982; 11:69–83
Studies of retinopathy and the plasma co-factor of platelet hyperaggregation in type 1 (insulin-dependent) diabetic children. Levin RD, et al. **Diabetologia** 1982 Jun; 22(6):445–9
Plasma lipids and lipoproteins in young insulin-dependent diabetic patients: relationship with control. Lopes-Virella MF, et al. **Diabetologia** 1981 Sep;21(3):216–23
Branched-chain amino acids and alanine as indices of the metabolic control in type 1 (insulin-dependent) and type 2 (non-insulin-dependent) diabetic patients. Vannini P, et al. **Diabetologia** 1982 Mar;22(3):217–9
Twenty-four hour profiles of plasma C-peptide in type 1 (insulin-dependent) diabetic children. Werther GA, et al. **Diabetologia** 1982 Apr;22(4):245–9
Changes in blood glucose, glycosylate hemoglobin and hemoglobin-oxygen affinity following meals in diabetic children. Ditzel J, et al. **Eur J Pediatr** 1981 Oct; 137(2):171–4
Alterations in circulating vitamin D metabolites in the young insulin-dependent diabetic. Frazer TE, et al. **J Clin Endocrinol Metab** 1981 Dec;53(6):1154–9
Short term improvement in glycemic control utilizing continuous subcutaneous insulin infusion: the effect on 24-hour integrated concentrations of counterregulatory hormones and plasma lipids in insulin-dependent diabetes mellitus. Hershcopf R, et al. **J Clin Endocrinol Metab** 1982 Mar;54(3):504–9
No response of pancreatic hormones to hypoglycemia in diabetic autonomic neuropathy. Hilsted J, et al. **J Clin Endocrinol Metab** 1982 Apr;54(4):815–9
Growth hormone and somatomedin in insulin-dependent diabetes mellitus. Horner JM, et al. **J Clin Endocrinol Metab** 1981 Dec;53(6):1148–53
Heterogeneity of insulin receptors in patients with untreated insulin-dependent diabetes mellitus. Pedersen O, et al. **J Clin Endocrinol Metab** 1982 Jul;55(1):30–9
The response of growth hormone and prolactin to oral diazepam in diabetics. Ajlouni K, et al. **J Endocrinol Invest** 1982 May-Jun;5(3):157–9
Suppression of the night increase in serum TSH during development of ketosis in diabetic patients. Schmitz O, et al. **J Endocrinol Invest** 1981 Oct-Dec;4(4):403–7
Factors affecting glycosylated hemoglobin values in children with insulin-dependent diabetes. Daneman D, et al. **J Pediatr** 1981 Dec;99(6):847–53
Plasma free insulin concentrations: keystone to effective management of diabetes mellitus in children. Malone JI, et al. **J Pediatr** 1981 Dec;99(6):862–7
Audit in a diabetic clinic. Child DF, et al. **J R Soc Med** 1982 Jun;75(6):399–403
Free and total insulin integrated concentrations in insulin dependent diabetes. Hayford JT, et al. **Metabolism** 1982 Apr;31(4):387–97
Effects of pharmacologic hyperglucagonemia on plasma amino acid concentrations in normal and diabetic man. Liljenquist JE, et al. **Metabolism** 1981 Dec;30(12):1195–9
Retinopathy in adolescents and young adults with onset of insulin-dependent diabetes in childhood. Jackson RL, et al. **Ophthalmology (Rochester)** 1982 Jan;89(1):7–13
An excursion into self-monitoring of blood glucose in children. Swift PG. **Postgrad Med J** 1982 Mar; 58(677):156–9
Free and total insulin and nocturnal hyperglycemia in children with long-term insulin-treated diabetes mellitus. Villalpando S, et al. **Rev Invest Clin** 1982 Jan-Mar; 34(1):11–4
Changes in platelet function, blood coagulation and fibrinolysis during insulin-induced hypoglycaemia in juvenile diabetics and normal subjects. Dalsgaard-Nielsen J, et al. **Thromb Haemost** 1982 Jun 28;47(3):254–8
Platelet adhesiveness in juvenile onset and maturity onset diabetes mellitus [letter] Sharma SC. **Thromb Haemost** 1981 Jun 30;45(3):297
Blood glutathione in various phases of insulin-dependent diabetes mellitus in children. Hägglöf B, et al. **Ups J Med Sci** 1981;86(1):93–7
[Investigation of insulin resistance in fourteen children starting a diabetes mellitus (author's transl)] Dieterlen P, et al. **Ann Pediatr (Paris)** 1981 Sep;28(7):493–6 (Eng. Abstr.) **(Fre)**
[Plasma insulin in normal children and in diabetic children treated with intramuscular injections of insulin (author's transl)] Gouedard H, et al. **Ann Pediatr (Paris)** 1981 Sep; 28(7):475–80 (Eng. Abstr.) **(Fre)**
[Utility of hemoglobin A1c for evaluating metabolic balance of juvenile diabetes mellitus (author's transl)] Jos J. **Ann Pediatr (Paris)** 1981 Sep;28(7):470–2 (Eng. Abstr.) **(Fre)**
[Plasma insulin, C-peptide and glucose concentrations in type I diabetic children after a morning injection of insulin (author's transl)] Desjeux JF, et al. **Arch Fr Pediatr** 1981 Jun-Jul;38(6):411–5 (Eng. Abstr.) **(Fre)**
[Effect of muscular exercise and metabolic control on cortisol, growth hormone, plasma-epinephrine and plasma-norepinephrine in type-I diabetics [author's transl)] Mühlhauser I, et al. **Acta Med Austriaca** 1981;8(2):48–53 (Eng. Abstr.) **(Ger)**
[Effects of muscular exercise on non-glucoregulatory hormones (T3, rT3, T4, TSH, prolactin, FSH, LH) in type I diabetics (author's transl)] Schernthaner G, et al. **Acta Med Austriaca** 1981;8(2):54–60 (Eng. Abstr.) **(Ger)**
[HbA1c in juvenile diabetes] Tichy M, et al. **Acta Paediatr Acad Sci Hung** 1980;21(4):237–41 **(Ger)**
[Correlations between lipoproteins and glycosylated hemoglobins in juvenile diabetes mellitus (author's transl)] Bachem MG, et al. **Klin Wochenschr** 1982 May 17; 60(10):497–503 (Eng. Abstr.) **(Ger)**
[On C-peptide and some other parameters in children with insulin dependent diabetes mellitus (author's transl)] Koepp P, et al. **Monatsschr Kinderheilkd** 1982 Apr;130(4):215–7 (Eng. Abstr.) **(Ger)**
[Plasma C-peptide levels in juvenile diabetes] Klipper Y, et al. **Harefuah** 1981 Jun 1;100(11):501–4 (Eng. Abstr.) **(Heb)**
[Analysis of HbAlc in childhood diabetes] Tichy M, et al. **Orv Hetil** 1981 Jun 14;122(24):1439–40 **(Hun)**
[Platelet factor 3 and 4 in juvenile diabetes and in children of diabetic mothers] Calabrese S, et al. **Minerva Med** 1981 Sep 19;72(34):2255–60 (Eng. Abstr.) **(Ita)**
[Changes in glycosylated hemoglobin (Hb A1) values in diabetic children during the 1st year of the disease] Beccaria L, et al. **Minerva Pediatr** 1982 Apr 30;34(8):355–60 (Eng. Abstr.) **(Ita)**
[Platelet aggregation in insulin-dependent diabetics] González MA. **Acta Med Port** 1981 Jul-Aug;3(4):261–5 **(Por)**
[Activity of the pentose cycle and glucosephosphate dehydrogenase in the erythrocytes of children with potential diabetes] Ermolenko RI, et al. **Pediatriia** 1981 Sep; (9):42–3 **(Rus)**
[Hemostatic abnormalities in diabetes mellitus (author's transl)] Ruiz-Argüelles GJ, et al. **Rev Invest Clin** 1981 Oct-Dec;33(4):355–9 (Eng. Abstr.) **(Spa)**

CHEMICALLY INDUCED

Steroid diabetes in childhood. Perlman K, et al. **Am J Dis Child** 1982 Jan;136(1):64–8
Evidence for a food additive as a cause of ketosis-prone diabetes. Helgason T, et al. **Lancet** 1981 Oct 3; 2(8249):716–20

CLASSIFICATION

[Diabetes mellitus in children and adolescents] Heinze E. **Fortschr Med** 1981 Sep 17;99(25):1385–8 **(Ger)**

COMPLICATIONS

Diabetes mellitus for 58 years without development of retinopathy [letter] Nielsen NV, et al. **Acta Diabetol Lat** 1981 Jul-Sep;18(3):285–7
Diabetes mellitus and Addison's disease in an adolescent female. Matsaniotis N, et al. **Acta Paediatr Scand** 1981 Nov; 70(6):949–50
Hypothyroidism and growth failure in diabetes mellitus. Court S, et al. **Arch Dis Child** 1982 Aug;57(8):622–4
Peripheral retinal haemorrhages in long-duration insulin-dependent diabetes with minimal background retinopathy. Roy MS, et al. **Br J Ophthalmol** 1982 May; 66(5):286–9
Osteopenia in juvenile diabetes. Shore RM, et al. **Calcif Tissue Int** 1981;33(5):455–7
Hypertension: the major risk factor in juvenile-onset insulin-dependent diabetics. Christlieb AR, et al. **Diabetes** 1981;30(Suppl 2):90–6
Progressive retinopathy with improved control in diabetic dwarfism (Mauriac's syndrome). Daneman D, et al. **Diabetes Care** 1981 May-Jun;4(3):360–5
Wolcott-Rallison syndrome: diabetes mellitus and spondyloepiphyseal dysplasia. Stöss H, et al. **Eur J Pediatr** 1982 Mar;138(2):120–9
Abnormal cardiovascular reflexes in juvenile diabetics as preclinical signs of autonomic neuropathy. Pilati G, et al. **G Ital Cardiol** 1981;11(12):2139–43
Joint contractures and waxy skin in diabetes. Fine RM. **Int J Dermatol** 1982 May;21(4):208
Juvenile xanthogranuloma in a child with insulin-dependent diabetes mellitus. Ginsberg-Fellner F, et al. **Int J Dermatol** 1982 Jan-Feb;21(1):36–9
Prevalence of periodontal disease in insulin-dependent diabetes mellitus (juvenile diabetes). Cianciola LJ, et al. **J Am Dent Assoc** 1982 May;104(5):653–60
Hyperglycemic hyperosmolar nonketotic coma (case report in a juvenile diabetic and review of literature). Gupta RC, et al. **J Assoc Physicians India** 1981 Oct;29(10):861–3
Hemodynamics in diabetic orthostatic hypotension. Hilsted J, et al. **J Clin Invest** 1981 Dec;68(6):1427–34
Diabetes II: Can good control prevent degenerative complications of juvenile diabetes mellitus? Marr TJ, et al. **J Kans Med Soc** 1982 Jun;83(6):291–4
Endocrine ophthalmomyopathy in adolescence. Metz HS, et al. **J Pediatr Ophthalmol Strabismus** 1982 Jan-Feb; 19(1):58–60
The syndrome of diabetes insipidus, diabetes mellitus, optic atrophy, deafness, and other abnormalities (DIDMOAD–syndrome). Two affected sibs and a short review of the literature (98 cases). Dreyer M, et al. **Klin Wochenschr** 1982 May 3;60(9):471–5 (42 ref.)
Thyroid disease in young diabetics [editorial] **Lancet** 1982 Jun 5;1(8284):1285–6
Thyroid disease in young diabetics [letter] Boucher BJ. **Lancet** 1982 Oct 2;2(8301):774–5
Accelerated periodontal breakdown in uncontrolled diabetes. Pathogenesis and treatment. Bartolucci EG, et al. **Oral Surg** 1981 Oct;52(4):387–90
Endothelial factors, toe temperature and leg circulation in diabetics with and without autonomic neuropathy. Almér LO, et al. **Thromb Res** 1982 Apr 15;26(2):119–28
Influence of norepinephrine on vessel geometry of the intact femoral artery in juvenile insulin-dependent diabetics–evidence of early diabetic angiopathy in central arteries. Treese N, et al. **Z Kardiol** 1982 Jan;71(1):60–4
[21-hydroxylase deficit revealed by hyperkalemia in the absence of renal failure in an insulin-dependent diabetic (author's transl)] Wechsler B, et al. **Ann Med Interne (Paris)** 1981;132(4):241–5 (Eng. Abstr.) **(Fre)**
[Acute panendothelial retinal leakage in juvenile diabetes (author's transl)] Bonnet M, et al. **J Fr Ophtalmol** 1982; 5(5):303–16 (Eng. Abstr.) **(Fre)**
[Urinary manifestations of Wolfram's syndrome] François P, et al. **Pediatrie** 1982 Mar;37(2):119–24 (Eng. Abstr.) **(Fre)**
[Carbohydrate metabolism in normo- and hyperprolactinemic sterility patients and the possible treatment of sterility in juvenile diabetes mellitus with bromocriptine (Parlodel-Sandoz)] Alexander H, et al. **Acta Univ Palacki Olomuc Fac Med** 1981;101:118–24 **(Ger)**
[Coagulation therapy of proliferative diabetic retinopathy in juveniles (author's transl)] Gerke E, et al. **Klin Monatsbl Augenheilkd** 1981 Sep;179(3):157–60 (Eng. Abstr.) **(Ger)**
[Pseudoperitonitis diabetica—recapitulation of clinical picture and differential diagnosis, exemplified by an individual case report (author's transl)] Burger W, et al. **Monatsschr Kinderheilkd** 1982 Apr;130(4):200–6 (Eng. Abstr.) **(Ger)**
[Intermittent unilateral cerebral symptoms in juvenile diabetes mellitus with hypoglycaemia (author's transl)] Beck U, et al. **Nervenarzt** 1982 Apr;53(4):208–10 **(Ger)**
[Early diagnosis of diabetes mellitus, diabetes insipidus and optic atrophy (DIDMOAD syndrome)] Barta L, et al. **Orv Hetil** 1982 Jun 27;123(26):1619–20 **(Hun)**
[Non-Hodgkin's malignant lymphoma in a child with juvenile diabetes mellitus] Román F, et al. **Orv Hetil** 1981 Dec;122(51):3153–5 **(Hun)**
[Surgery, dental care and infection in diabetic children (author's transl)] Meschi F, et al. **Pediatr Med Chir** 1981 Jan-Feb;3(1):23–5 **(Ita)**
[Cardiorespiratory arrest in a juvenile diabetic woman with autonomic neuropathy (author's transl)] Nouchi T, et al. **Nippon Naika Gakkai Zasshi** 1981 Sep 10;70(9):1267–72 **(Jpn)**
[Data on ocular complications of juvenile diabetes] Cânciu G. **Rev Chir [Oftalmol]** 1981 Jul-Sep;25(3):169–73 (Eng. Abstr.) **(Rum)**
[Infections caused by Gram-negative bacilli in children with disorders of cellular immunity in diabetes] Hager-Malecka B, et al. **Pediatriia** 1982 Jan;(1):63–4 **(Rus)**
[Buschke's scleredema in a 7-year-old diabetic girl] Siniavskaia OA, et al. **Pediatriia** 1982 Apr;(4):66–7 **(Rus)**
[Necrosis of the nasal septum, acute suppurative ethmoiditis and retrobulbar abscess in a diabetic patient] Nugumanov Ala, et al. **Vestn Otorinolaringol** 1981 Sep-Oct;5:71–2 **(Rus)**
[Cerebral edema with fatal outcome in diabetic ketoacidosis] Calvo C, et al. **An Esp Pediatr** 1981 May;14(5):362–5 **(Spa)**
[Weight-height development in juvenile diabetics] Mella I, et al. **Rev Chil Pediatr** 1981 May-Jun;52(3):204–12 (Eng. Abstr.) **(Spa)**

CONGENITAL

Permanent neonatal diabetes in an infant of an insulin-dependent mother. Widness JA, et al. **J Pediatr** 1982 Jun;100(6):926–9

DIAGNOSIS

The HLAB*18,BF*F1 in haplotype in type 1 diabetes. Walsh LJ, et al. **Am J Med Genet** 1982 Mar;11(3):337–43
A case of permanent diabetes mellitus in a neonate. Daugbjerg PS. **Dan Med Bull** 1981 Oct;28(5):216–8
Hemoglobin A1c compared with three conventional measures of diabetes control. Blanc MH, et al. **Diabetes Care** 1981 May-Jun;4(3):349–53
Relation between the degree of initial metabolic decompensation and the duration of the remission phase in type I diabetes mellitus. Vetter U, et al. **Eur J Pediatr** 1982 Feb;138(1):63–6
[Unusually long post-initial remission in case of steroid-diabetes (author's transl)] Barta L, et al.

Klin Padiatr 1981 Sep;193(5):370–1 (Eng. Abstr.) **(Ger)**

[Criteria of good metabolic control in children and adolescents with diabetes mellitus (author's transl)] Weber B. **Monatsschr Kinderheilkd** 1982 Apr;130(4):193–9 (Eng. Abstr.) **(Ger)**

[Early manifestations of diabetes mellitus in otorhinolaryngologic patients] Khasanov SA. **Vestn Otorinolaringol** 1981 Sep–Oct;(5):29–31 (Eng. Abstr.) **(Rus)**

[Insulin-dependent diabetes in children and adolescents in Surdulica 1970–1979] Spasić B, et al. **Med Pregl** 1981; 34(3–4):143–7 (Eng. Abstr.) **(Scr)**

DIET THERAPY

Dietary therapy in diabetes mellitus. Description of a recommendation prepared by the Finnish Diabetes Association's Committee on Nutrition Therapy. Huttunen JK, et al. **Acta Med Scand** 1982;211(6):469–75

Whole foods and increased dietary fibre improve blood glucose control in diabetic children. Kinmonth AL, et al. **Arch Dis Child** 1982 Mar;57(3):187–94

Diet for diabetic children: a change in emphasis [editorial] Rayner PH. **Arch Dis Child** 1982 Jul;57(7):487–9

[Experience with an only carbohydrate limited diet among children with juvenile diabetes mellitus (typ I) (author's transl)] Kehrberg H, et al. **Monatsschr Kinderheilkd** 1982 Apr;130(4):221–4 (Eng. Abstr.) **(Ger)**

DRUG THERAPY

Influence of an antianxiety drug on hyperemesis diabeticorum. Okada S, et al. **Acta Med Okayama** 1982 Feb;36(1):81–4

At what age do diabetic children give their own injections? Naughten E, et al. **Am J Dis Child** 1982 Aug;136(8):690–2

Insulin resistance and hypomagnesaemia [letter] Poston GJ. **Br Med J [Clin Res]** 1982 Aug 21;285(6341):575–6

Preprandial and postprandial variations of insulin sensitivity in different times of the day assessed by the artificial pancreas in type I diabetics. Trovati M, et al. **Chronobiologia** 1981 Oct–Dec;8(4):333–40

Continuous subcutaneous insulin infusion in the treatment of juvenile-onset diabetes. Buysschaert M, et al. **Diabete Metab** 1981 Sep;7(3):189–93

Efficacy of the insulin pump in the home treatment of pregnant diabetics. Rudolf MC, et al. **Diabetes** 1981 Nov; 30(11):891–5

Insulin dose change with increased purity [letter] Wentworth SM. **Diabetes Care** 1982 Jul–Aug;4(4):504–5

The effects of equal caloric amounts of xylitol, sucrose and starch on insulin requirements and blood glucose levels in insulin-dependent diabetics. Hassinger W, et al. **Diabetologia** 1981 Jul;21(1):37–40

Comparison of 24-hour insulin requirements in IDDM patients during control by an artificial betacell and during conventional therapy. Christiansen JS, et al. **Horm Metab Res** 1981 Oct;13(10):537–41

Autoimmune manipulation aids juvenile diabetes management [news] **Hosp Pract** 1982 Sep;17(9):49

Management of juvenile diabetes mellitus [editorial] Garfunkel JM. **J Pediatr** 1981 Dec;99(6):911

Comparison of single- and split-dose insulin regimens with 24-hour monitoring. Langdon DR, et al. **J Pediatr** 1981 Dec;99(6):854–61

Endocrine pancreatic response of children with onset of insulin-requiring diabetes before age 3 and after age 5. Ternand C, et al. **J Pediatr** 1982 Jul;101(1):36–9

Insulin treatment of newly-presenting ketotic diabetic patients into the honeymoon period. Hosker JP, et al. **Lancet** 1982 Sep 18;2(8299):633–5

Insulin syringe dead-space and diabetic control [letter] Mann NP, et al. **Lancet** 1981 Nov 14;2(8255):1120–1

Insulin infusion for diabetic children. Boulton J, et al. **Med J Aust** 1981 Oct 31;2(9):474–6

Use of a glucose-controlled insulin infusion system in children and adolescents with insulin-dependent diabetes. Golden MP, et al. **Pediatrics** 1982 Jul;70(1):36–42

Insulin allergy in a 19-month-old boy with newly diagnosed diabetes mellitus. Wishner KL, et al. **Pediatrics** 1982 Jul; 70(1):137–8

Improvement of diabetic peripheral neuropathy with the portable insulin infusion pump. Tolaymat A, et al. **South Med J** 1982 Feb;75(2):185–9

[Treatment of severe diabetic ketoacidosis in children. A comparative study of two methods (author's transl)] Dieterlen P, et al. **Ann Pediatr (Paris)** 1981 Sep; 28(7):499–503 (Eng. Abstr.) **(Fre)**

[Continuous predetermined infusion in insulin dependent diabetes in children and adolescents. A comparative study in relation to insulin infusion and duration of diabetes (author's transl)] Jean R, et al. **Ann Pediatr (Paris)** 1981 Sep;28(7):485–92 (Eng. Abstr.) **(Fre)**

[Continuous predetermined insulin infusion in insulin-dependent diabetes, mellitus (author's transl)] Jean R, et al. **Ann Pediatr (Paris)** 1981 Sep;28(7):481–3 (Eng. Abstr.) **(Fre)**

[Efficacy of continuous administration of insulin by subcutaneous route in the treatment of insulin-dependent diabetes mellitus] Dupré J. **Journ Annu Diabetol Hotel Dieu** 1982;:221–35 **(Fre)**

[Evolution of a population of insulin-dependent diabetics. 55 years' experience in a diabetology practice] Pereira E, et al. **Journ Annu Diabetol Hotel Dieu** 1982;:95–104 **(Fre)**

[Treatment of unstable diabetes with a portable insulin-infusion pump (author's transl)] Talaulicar M, et al. **Dtsch Med Wochenschr** 1982 Mar 19;107(11):419–23 (Eng. Abstr.) **(Ger)**

[Continuous subcutaneous insulin infusion brings about normal blood sugar in type I diabetes mellitus despite relaxing of diet instructions] Sonnenberg GE, et al. **Schweiz Med Wochenschr** 1982 Jan 16;112(3):83–5 (Eng. Abstr.) **(Ger)**

[Evaluation of a therapeutic program. Acute uncompensated diabetes in children] Dahlquist G, et al. **Lakartidningen** 1981 Sep 30;78(40):3489–92 (Eng. Abstr.) **(Swe)**

[Insulin infusion pump – an alternative to conventional insulin treatment in juvenile diabetes] Ludvigsson J. **Lakartidningen** 1982 Apr 21;79(16):1573–5 (Eng. Abstr.) **(Swe)**

ENZYMOLOGY

Plasma acidic glycohydrolases in insulin-dependent diabetes mellitus. Kohler E, et al. **Acta Diabetol Lat** 1981 Jul–Sep; 18(3):243–50

[Trypsin deficiency in diabetes mellitus of children and adolescents (author's transl)] Sitzmann FC, et al. **Klin Padiatr** 1981 Sep;193(5):362–4 (Eng. Abstr.) **(Ger)**

ETIOLOGY

Various phenotypes of diabetes mellitus at ultimate outcome of acutely developed diabetic state induced by viral infection. Nonaka K, et al. **Endocrinol Jpn** 1982 Feb; 29(1):87–94

Virologic, immunologic, and genetic factors in insulin-dependent diabetes mellitus. Champsaur HF, et al. **J Pediatr** 1982 Jan;100(1):15–20

Prognosis of imparied glucose tolerance in children with stress hyperglycemia, symptoms of hypoglycemia, or asymptomatic glucosuria. Rosenbloom AL, et al. **J Pediatr** 1982 Sep;101(3):340–4

Effect of castration on the appearance of diabetes in NOD mouse. Makino S, et al. **Jikken Dobutsu** 1981 Apr; 30(2):137–40

Diabetes, mumps and HLA antigens [letter] Asplund K. **Lancet** 1981 Oct 10;2(8250):807

Autoimmunity to anterior pituitary cells and the pathogenesis of insulin-dependent diabetes mellitus. Mirakian R, et al. **Lancet** 1982 Apr 3;1(8275):755–9

Are viral studies indicated in juvenile-onset diabetes? Bartsocas CS, et al. **Padiatr Padol** 1982;17(3):603–6

[Etiology of diabetes] Akerblom H. **Duodecim** 1981; 97(12):782–93 **(Fin)**

[The role of viral infections in the etiopathogenesis of infantile diabetes mellitus] Morrone G. **Pediatria (Napoli)** 1981 Dec 31;89(4):711–9 (65 ref.) (Eng. Abstr.) **(Ita)**

[Viruses, immunology and immunopathology] Dell'Aria V. **Riv Neurobiol** 1980 Apr–Jun;26(2):236–42 (25 ref.) **(Ita)**

[Possible role of viral infections in the etiology of diabetes mellitus in children (epidemiological data)] Smirnov VV, et al. **Pediatriia** 1981 Oct;(10):12–5 (Eng. Abstr.) **(Rus)**

FAMILIAL & GENETIC

The modes of inheritance of insulin-dependent diabetes mellitus or the genetics of IDDM, no longer a nightmare but still a headache. Rotter JI. **Am J Hum Genet** 1981 Nov; 33(6):835–51 (91 ref.)

Genetics of Type I diabetes mellitus: a single, recessive predisposition gene mapping between HLA-B and GLO. With an appendix on the estimation of selection bias. Rubinstein P, et al. **Am J Hum Genet** 1981 Nov; 33(6):865–82 (55 ref.)

HLA and disease: predictions for HLA haplotype sharing in families. Weitkamp LR. **Am J Hum Genet** 1981 Sep; 33(5):776–84

Juvenile insulin-dependent diabetes: a possible susceptibility gene in interaction with HLA. Clerget-Darpoux F, et al. **Ann Hum Genet** 1981 May;45(Pt 2):199–206

Gene dosage and suceptibility to insulin-dependeat diabetes. Spielman RS, et al. **Ann Hum Genet** 1980 Oct;44(Pt 2):135–50

Heterogeneity of insulin-dependent diabetes-new evidence. Dunsworth TS, et al. **Clin Genet** 1982 Apr;21(4):233–6

Acetylator phenotypes and type I (insulin-dependent) diabetics with microvascular disease. Bodansky HJ, et al. **Diabetes** 1981 Nov;30(11):907–10

Linkage disequilibrium between insulin-dependent diabetes and the Kidd blood group Jkb allele. Barbosa J, et al. **J Clin Endocrinol Metab** 1982 Jul;55(1):193–5

Insulin resistance and diabetes due to a genetic defect in insulin receptors. Scarlett JA, et al. **J Clin Endocrinol Metab** 1982 Jul;55(1):123–31

C4: another marker for type I diabetes [letter] Bertrams J, et al. **Lancet** 1982 Jan 2;1(8262):41

Close genetic linkage between diabetes mellitus and kidd blood group. Hodge SE, et al. **Lancet** 1981 Oct 24; 2(8252):893–5

Simultaneous onset of insulin dependent diabetes mellitus in siblings [letter] Phillips WR, et al. **Lancet** 1981 Oct 10; 2(8250):807

Human evolution and insulin-dependent (IDD) and non-insulin dependent diabetes (NIDD). Cahill GF Jr. **Metabolism** 1979 Apr;28(4 Suppl 1):389–93 (36 ref.)

Genetic studies of insulin-dependent diabetes mellitus: segregation and linkage analyses. Green A, et al. **Tissue Antigens** 1982 Mar;19(3):213–21

Bf and C2 polymorphism in Japanese patients with juvenile onset diabetes mellitus: existence of a variant Bf allele. Tokunaga K, et al. **Tissue Antigens** 1981 Nov;18(5):365–8

[Inheritance of insulin-dependent diabetes mellitus in relation to the HLA system (author's transl)] Deschamps I, et al. **Ann Pediatr (Paris)** 1981 Sep;28(7):465–9 (Eng. Abstr.) **(Fre)**

[Markers on the short arm of chromosome 6 and insulin-dependent diabetes in children (letter)] Kurtz F, et al. **Arch Fr Pediatr** 1981 Aug–Sep;38(7):543–4 **(Fre)**

[Diabetes and autoimmune thyroiditis. Description of an unusual case (letter)] Marietti G, et al. **Minerva Pediatr** 1981 Oct 31;33(20):1025 **(Ita)**

IMMUNOLOGY

Antibody-dependent and natural killer cytotoxicity in type 1 diabetes. Sensi M, et al. **Acta Diabetol Lat** 1981 Oct–Dec; 18(4):339–44

Suppressor cell activity and beta-cell function in insulin-dependent diabetics. Buschard K, et al. **Acta Pathol Microbiol Immunol Scand [C]** 1982 Apr; 90(2):53–7

Characterization of immunoregulatory T lymphocytes in insulin-dependent diabetic children by means of monoclonal antibodies. Mascart-Lemone F, et al. **Clin Exp Immunol** 1982 Feb;47(2):296–300

An islet cell antibody negative form of insulin-dependent diabetes mellitus (IDD) associated with HLA antigens A9 and Bw16. Mustonen A, et al. **Clin Exp Immunol** 1982 Apr; 48(1):213–7

Complement-fixing Islet cell antibodies from some diabetic patients alter insulin release in vitro. Sai P, et al. **Diabetes** 1981 Dec;30(12):1051–7

Age-related association of insulin-dependent diabetes mellitus with BfF1 and the HLA-B18, BfF1 haplotype. Bertrams J, et al. **Diabetologia** 1981 Jul;21(1):47–9

Lymphocytes from diabetics suppress insulin release in vitro. Boitard C, et al. **Diabetologia** 1981 Jul;21(1):41–6

HLA and retinopathy in type 1 (insulin-dependent) diabetic patients in Iceland [letter] Danielsen R, et al. **Diabetologia** 1982 Apr;22(4):297–8

Antibodies to coxsackie B viruses and HLA in japanese with juvenile-onset type 1 (insulin-dependent) diabetes mellitus. Sakurami T, et al. **Diabetologia** 1982 May;22(5):375–7

Autoantibodies in Nigerian diabetics with pancreatic calcification. Oli JM, et al. **East Afr Med J** 1981 Oct; 58(10):790–4

Insulin antibodies in juvenile diabetes mellitus. Correlations to diabetic stability, insulin requirement and duration of insulin treatment. Keilacker H, et al. **Horm Metab Res** 1982 May;14(5):227–32

Is diabetic microangiopathy genetically heterogeneous? HLA and diabetic nephropathy. Barbosa J. **Horm Metab Res [Suppl]** 1981;11:77–80

Deficiency of suppressor T-cells in insulin-dependent diabetes mellitus: an analysis with monoclonal antibodies. Gupta S, et al. **Immunol Lett** 1982 May;4(5):289–94

Islet cell surface antibodies from insulin-dependent diabetics bind specifically to pancreatic B cells. Van De Winkel M, et al. **J Clin Invest** 1982 Jul;70(1):41–9

Suppressor cell activity in patients with newly diagnosed insulin-dependent diabetes mellitus: a prospective study. Buschard K, et al. **J Clin Lab Immunol** 1982 May;8(1):19–23

Lymphocyte populations and responses to mitogens in infants of diabetic mothers. El Mohandes A, et al. **J Clin Lab Immunol** 1982 May;8(1):25–9

Defective suppressor cell generation in juvenile onset diabetes. Lederman MM, et al. **J Immunol** 1981 Nov; 127(5):2051–5

Specific immunoregulation abnormality in insulin-dependent diabetes mellitus. Fairchild RS, et al. **J Lab Clin Med** 1982 Feb;99(2):175–86

Coxsackie B4 infection and islet cell antibodies three years before overt diabetes. Asplin CM, et al. **J Pediatr** 1982 Sep;101(3):398–400

Autoantibodies in newly diagnosed diabetic children immunoprecipitate human pancreatic islet cell proteins. Baekkeskov S, et al. **Nature** 1982 Jul 8;298(5870):167–9

HLA associations with insulin-dependent diabetes mellitus in a sample of the American Black population. Reitnauer PJ, et al. **Tissue Antigens** 1981 Mar;17(3):286–93

Dinitrochlorobenzene skin test reactivity as a predictor of outcome in transplantation of juvenile onset diabetics. Maxwell JG, et al. **Transplantation** 1981 Nov;32(5):381–4

Islet cell antibodies and diabetes in Nigerians. Oli JM, et al. **Trop Geogr Med** 1981 Jun;33(2):161–4

[Islet-cell antibodies and organ-specific antibodies in diabetic children and adolescents. Relationship with age, age at onset, duration of diabetes, residual insulin secretion and retinopathy (author's transl)] Dorchy H, et al. **Nouv Presse Med** 1981 Sep 26;10(34):2795–8 (Eng. Abstr.) **(Fre)**

[The HbA1c-determination with the aid of isoelectrofocusing method in the out patient control of juvenile diabetics (author's transl)] Marg W, et al. **Klin Padiatr** 1982 Jan; 194(1):56–9 (Eng. Abstr.) **(Ger)**

[Leukocyte migration inhibition and antibody levels in diabetes mellitus] Rózsás Z, et al. **Orv Hetil** 1981 Aug 30;

122(35):2157–9 (Hun)
[HLA–bound Bf factor in diabetic children] Simon Z, et al. **Orv Hetil** 1981 Jul 26;122(30):1835–7 (Hun)
[Immunity in children with diabetes mellitus] Dziatkowiak H. **Pol Tyg Lek** 1981 Sep 28;36(39):1529–32 (Pol)
[Immunological aspects of diabetes mellitus in children] Popa I, et al. **Rev Pediatr Obstet Ginecol [Pediatr]** 1982 Jan–Mar; 31(1):63–72 (Eng. Abstr.) (Rum)
[Circulating immune complexes in the serum of children with diabetes mellitus] Afinin AA, et al. **Pediatriia** 1981 Oct; (10):15–7 (Rus)
[Activity of nonspecific immunological factors and serum immunoglobulin levels in children with diabetes mellitus] Zemliakova ZM, et al. **Probl Endokrinol (Mosk)** 1981; 27(6):6–9 (Eng. Abstr.) (Rus)
[Human leukocyte antigens (HLA) in children with insulin–dependent diabetes] Jokanović R, et al. **Srp Arh Celok Lek** 1981 Jul;109(7):854–60 (Eng. Abstr.) (Scc)
[Cellular and humoral immunity in diabetes with and without complications (preliminary communication)] Redžepagić B, et al. **Med Arh** 1981;35(5–6):271–5 (Eng. Abstr.) (Scr)

METABOLISM

B-cell secretion in non–diabetics and insulin–dependent diabetics. Heding LG, et al. **Acta Med Scand [Suppl]** 1981; 656:5–9
Glycosaminoglycan synthesis by human diabetic, normal adult, and embryonic fibroblasts in relation to insulin levels. Kjellström T. **Acta Med Scand [Suppl]** 1981;656:39–41
Metabolism and pharmacokinetics of aminophenazone in man of different age and under various pathological conditions. Werner M, et al. **Agents Actions [Suppl]** 1982;10:99–107
Nonenzymatic glycosylation of collagen and other proteins: relationship to development of diabetic complications. Perejda AJ, et al. **Coll Relat Res** 1982 Jan;2(1):81–8
Glycogen metabolism and exercise in diabetes. Maehlum S. **Curr Probl Clin Biochem** 1982;11:184–8
Effect of pubertal stage and recent blood glucose control on plasma somatomedin C in children with insulin–dependent diabetes mellitus. Blethen SL, et al. **Diabetes** 1981 Oct;30(10):868–72
Surface binding, internalization and degradation by cultured human fibroblasts of low density lipoproteins isolated from type 1 (insulin–dependent) diabetic patients: changes with metabolic control. Lopes–Virella MF, et al. **Diabetologia** 1982 Jun;22(6):430–6
Relationship of glycosylated haemoglobin to C–peptide secretory status and antibody binding of insulin in insulin–dependent diabetes. Gray RS, et al. **Horm Metab Res** 1981 Nov;13(11):599–603
Vitamin–D–dependent calcium binding protein content is reduced in kidneys of juvenile–onset diabetics. Orci L, et al. **Lancet** 1982 Jul 10;2(8289):102–3
[Residual insulin secretion in juvenile diabetes. Relationships with duration of diabetes, metabolic control and retinopathy (author's transl)] Dorchy H, et al. **Arch Fr Pediatr** 1982 Mar;39(3):145–8 (Eng. Abstr.) (Fre)
[Metabolic disorders in males with infantile and juvenile forms of diabetes mellitus with normal and delayed sexual development] Zhurova MV, et al. **Ter Arkh** 1982; 54(2):109–12 (Eng. Abstr.) (Rus)

MICROBIOLOGY

The virus susceptibility of skin–derived fibroblasts from families with insulin–dependent diabetes mellitus. Hornberger E, et al. **J Med Virol** 1982;9(4):281–92

OCCURRENCE

The incidence of type 1 (insulin–dependent) diabetes in Toronto. Ehrlich RM, et al. **Diabetologia** 1982 Apr; 22(4):289–91
Incidence of juvenile onset diabetes in Montreal–demonstration of ethnic differences and socio–economic class differences. Colle E, et al. **J Chronic Dis** 1981;34(12):611–6
Juvenile diabetes mellitus in Singapore children. Wong HB. **J Singapore Paediatr Soc** 1981;23(1–2):47–64
Diabetes and date of birth [letter] Christy M, et al. **Lancet** 1982 Jul 24;2(8291):216
Food additive as a cause of ketosis–prone diabetes [letter] Helgason T. **Lancet** 1982 Jan 30;1(8266):286
The increasing incidence of juvenile onset diabetes in the Baltimore area: lack of correlation with secular incidence of mumps. Chalew SA, et al. **Md State Med J** 1982 Apr; 31(4):67–70
[The epidemiology of diabetes. Methods and perspectives] Keen H. **Journ Annu Diabetol Hotel Dieu** 1982;:237–46 (Fre)

PATHOLOGY

Fluorescence angiography of the paramacular retinal vessels and altered glomerular basement membrane in children with juvenile onset diabetes mellitus. Lubec G, et al. **Acta Diabetol Lat** 1982 Jan–Mar;19(1):15–21
Clinical observations on the corneal thickness and the corneal endothelium in diabetes mellitus. Busted N, et al. **Br J Ophthalmol** 1981 Oct;65(10):687–90
Diabetic glomerulonephropathy: histopathologic, immunofluorescent, and ultrastructural studies of 16 cases. Ainsworth SK, et al. **Hum Pathol** 1982 May;13(5):470–8
Bioptical liver changes in Mauriac syndrome. Lorenz G. **Zentralbl Allg Pathol** 1981;125(4):364–8
[Young diabetics with universally specific angiopathy] Fischer F. **Z Gesamte Inn Med** 1981 Jul 15;36(14):500–2 (Eng. Abstr.) (Ger)

PHYSIOPATHOLOGY

Study of pituitary secretion in relation to retinopathy in patients with juvenile diabetes mellitus. Cerasola GA, et al. **Acta Diabetol Lat** 1981 Oct–Dec;18(4):319–28
Acetate: inhibitor of growth hormone hypersecretion in diabetic and non–diabetic uraemic subjects. Orskov H, et al. **Acta Endocrinol (Copenh)** 1982 Apr;99(4):551–8
Oscillatory potential and nyctometry in insulin–dependent diabetics. Frost–Larsen K, et al. **Acta Ophthalmol (Copenh)** 1980 Dec;58(6):879–88
The value of the oscillatory potential in selecting juvenile diabetics at risk of developing proliferative retinopathy. Simonsen SE. **Acta Ophthalmol (Copenh)** 1980 Dec; 58(6):865–78
Sympathetic and vascular dysfunction in early experimental juvenile diabetes mellitus. Mueller SM, et al. **Am J Physiol** 1982 Aug;243(2):H139–44
Factors influencing residual pancreatic beta cell function in recently diagnosed Type 1 diabetic children. Hill MA, et al. **Aust Paediatr J** 1982 Mar;18(1):37–9
Permeability and morphology of skeletal muscle capillaries in type 1 (insulin–dependent) diabetes mellitus. Leinonen H, et al. **Diabetologia** 1982 Mar;22(3):158–62
The diabetic syndrome of the 'BB' Wistar rat: possible relevance to type 1 (insulin–dependent) diabetes in man. Marliss EB, et al. **Diabetologia** 1982 Apr;22(4):225–32 (44 ref.)
Renal tubular function and urinary acidification capacity in early juvenile diabetes. García Puig J, et al. **Horm Metab Res** 1981 Nov;13(11):595–8
Elevated glomerular filtration rate in early diabetes may be explained by increased sodium reabsorption secondary to an impairment in renal tubular handling of phosphate. Ditzel J, et al. **Horm Metab Res [Suppl]** 1981;11:87–9
Some characteristics of spontaneous platelet aggregation in young insulin–dependent diabetic subjects. Paulsen EP, et al. **Horm Metab Res [Suppl]** 1981;11:15–21
Vascular prostacyclin, platelet sensitivity to prostaglandins and platelet–specific proteins in diabetes mellitus. Analysis of type of diabetes, state of metabolic control and diabetic microangiopathy. Schernthaner G, et al. **Horm Metab Res [Suppl]** 1981;11:33–43
Nonspecific growth hormone responses to thyrotropin–releasing hormone in insulin–dependent diabetes: sex– and age–related pituitary responsiveness. Ceda GP, et al. **J Clin Endocrinol Metab** 1982 Jul; 55(1):170–4
Effect of intensive insulin treatment on linear growth in the young diabetic patient. Rudolf MC, et al. **J Pediatr** 1982 Sep;101(3):333–9
Partial preservation of pancreatic beta–cell function in children with diabetes [letter] Elliott RB, et al. **Lancet** 1981 Sep 19;2(8247):631–2
Evaluation of bone mass and growth in young diabetics. Wiske PS, et al. **Metabolism** 1982 Aug;31(8):848–54
Renal glomerular and tubular function following acute insulin deprivation in juvenile diabetes mellitus. Barash Y, et al. **Nephron** 1982;31(1):65–7
[Glycosylated hemoglobin and clinical estimate of the degree of control of diabetes. Relations to glycemia, cholesterolemia, triglyceridemia, duration of diabetes and retinopathy. Study of 85 children and adolescents] Dorchy H, et al. **Ann Pediatr (Paris)** 1982 May;29(5):319–26 (Eng. Abstr.) (Fre)
[Vascular functional disorders in insulin–dependent diabetes] Podhaisky H, et al. **Z Gesamte Inn Med** 1981 Oct 1; 36(19):716–20 (Eng. Abstr.) (Ger)
[Comparative study of elevated glomerular filtration and glycohemoglobin rates in diabetic children and adolescents] Drexler M, et al. **Orv Hetil** 1981 Dec 13;122(50):3081–3 (Hun)
[Electroretinogram in juvenile–onset diabetes mellitus (author's transl)] Okumura T, et al. **Nippon Ganka Gakkai Zasshi** 1981;85(11):2016–22 (Eng. Abstr.) (Jpn)
[Diabetes mellitus in children. I. (Etiopathogenesis, physiopathology, clinical aspects] Popescu V, et al. **Rev Pediatr Obstet Ginecol [Pediatr]** 1982 Jan–Mar; 31(1):39–61 (Eng. Abstr.) (Rum)
[Diagnostic possibilities of the radioisotope methods in the study of renal function in children with diabetes mellitus] Abdyldaev BI. **Pediatriia** 1981 Sep;(9):25–6 (Rus)
[Function of the islands of Langerhans and the course of diabetes mellitus in children] Kniazev IuA, et al. **Pediatriia** 1981 Oct;(10):10–2 (Eng. Abstr.) (Rus)
[Somatotropin and corticotropin content of the blood in children and adolescents with diabetes mellitus] Lapchenko LN, et al. **Pediatriia** 1981 Oct;(10):17–9 (Eng. Abstr.) (Rus)
[Insulin secretion, glucose tolerance test and various indicators of lipid metabolism in children with hereditary diabetes mellitus] Sherbacheva LN, et al. **Pediatriia** 1981 Oct;(10):19–21 (Eng. Abstr.) (Rus)
[Growth of children with insulin–dependent diabetes mellitus (author's transl)] Mella I, et al. **Rev Chil Pediatr** 1981 May–Jun;52(3):204–12 (Eng. Abstr.) (Spa)

PSYCHOLOGY

More special than different. Bingham DM, et al. **Am J Nurs** 1981 Nov;81(11):2031–2
Diabetes in adolescence. Tattersall RB, et al. **Diabetologia** 1981 May;20(5):517–23
Familial perceptions of juvenile diabetes. Kronenfeld JJ, et al. **Postgrad Med** 1981 Oct;70(4):83–95
Juvenile diabetes: current trends in psychosocial research. Kosub SM, et al. **Soc Work Health Care** 1981 Summer; 6(4):91–101
[Psychosocial aspects of diabetes in children and adolescents] Canaani Z. **Harefuah** 1982 Jan 1;102(1):38–40 (Heb)

REHABILITATION

The effects of targeting improvements in urine glucose on metabolic control in children with insulin dependent diabetes. Epstein LH, et al. **J Appl Behav Anal** 1981 Winter; 14(4):365–75
Camping for diabetic children. James R. **Mo Med** 1981 Aug; 78(8):412–3
[Camping for diabetics and their HDL cholesterol level] Barta L, et al. **Acta Paediatr Acad Sci Hung** 1981; 22(4):341–5 (Ger)
[Ski camps for juvenile diabetics. Experiences with 2 vacation ski courses] Baumgartner F, et al. **Padiatr Padol** 1982; 17(1):95–8 (Eng. Abstr.) (Ger)
[Summer camping for juvenile diabetics: effects on psychological variables (author's transl)] Schoberberger C, et al. **Padiatr Padol** 1981;16(4):427–32 (Eng. Abstr.) (Ger)

SURGERY

Segmental pancreatic transplantation: donor and recipient operation. Toledo–Pereyra LH, et al. **Arch Surg** 1982 Apr; 117(4):505–8
[Transplantation of pancreas and kidney in diabetic nephropathy (author's transl)] Largiadèr F, et al. **Dtsch Med Wochenschr** 1982 Apr 9;107(14):527–30 (Eng. Abstr.) (Ger)
[Possibilities of pancreas transplantation] Gebhardt C, et al. **Fortschr Med** 1982 Feb 11;100(6):238–42 (Eng. Abstr.) (Ger)
[Progress in human pancreas transplantation (author's transl)] Largiadèr F, et al. **Langenbecks Arch Chir** 1981; 354(3):189–94 (Eng. Abstr.) (Ger)

THERAPY

Diabetes mellitus in childhood. Ehrlich RM. **Clin Endocrinol Metab** 1982 Mar;11(1):195–210
Criteria for patient selection for pancreatic transplantation [letter] Toledo–Pereyra LH. **Diabetologia** 1982 Apr; 22(4):298–9
Care of children with diabetes in Indiana. As indicated by statistics gathered at Indiana's Camp for Children with Diabetes. Wentworth SM, et al. **J Indiana State Med Assoc** 1982 Feb;75(2):120–4
Improved diabetic control in an ambulatory group setting. James T 3d. **J Ky Med Assoc** 1982 May;80(5):283–5
Immunotherapy of type I diabetes [letter] Kolb H, et al. **Lancet** 1982 Jul 10;2(8289):97–8
[Recent advances concerning diabetes mellitus in childhood (author's transl)] Lestradet H. **Ann Pediatr (Paris)** 1981 Sep; 28(7):461–2 (Fre)
[Important aspects of diabetes in children for the practitioner] Ernould C. **Rev Med Liege** 1981 Nov 1;36(21):779–85 (Fre)
[Transplantation of a pancreas segment in juvenile diabetes mellitus] Gebhardt C, et al. **MMW** 1982 Jan 29;124(4):79–82 (Eng. Abstr.) (Ger)
[Pancreas transplantation. Current significance in the treatment of juvenile diabetes mellitus] Land W. **MMW** 1982 Jan 29;124(4):71–3 (Ger)
[Hyperbaric oxygenation in the complex therapy of diabetes in pregnancy] Zhdanov GG, et al. **Akush Ginekol (Mosk)** 1982 May;(5):40–3 (Rus)
[Sanatorium and health resort treatment of children with diabetes mellitus] Krashenitsa GM, et al. **Pediatriia** 1981 Dec;(12):55–6 (Rus)

URINE

Glycosaminoglycan and hydroxyproline excretion in diabetic children. Klujber L, et al. **Acta Paediatr Acad Sci Hung** 1982;23(1):27–34
Reduced albuminuria during early and aggressive antihypertensive treatment of insulin–dependent diabetic patients with diabetic nephropathy. Parving HH, et al. **Diabetes Care** 1982 Jul–Aug;4(4):459–63
Urinary 3–methylhistidine excretion in juvenile–onset diabetics: evidence of increased protein catabolism in the absence of ketoacidosis. Huszar G, et al. **Metabolism** 1982 Feb;31(2):188–91
[C–peptide excretion in 24 hours–urine as an indicator of B–cell residual function in children and adolescents with type–I–diabetes (author's transl)] Zick R, et al. **Monatsschr Kinderheilkd** 1982 Apr;130(4):209–14 (Eng. Abstr.) (Ger)
[C–peptide immunoreactivity CPR), urine CPR, beta–cell

function (author's transl)] Teshirogi T.
Nippon Ika Daigaku Zasshi 1981 Jun;48(3):333–8 (29 ref.) **(Jpn)**

[Urinary glycosaminoglycan excretion in children born to diabetic mothers] Ignatiuk TE, et al.
Probl Endokrinol (Mosk) 1982 Jan–Feb;28(1):14–7 (Eng. Abstr.) **(Rus)**

[Behavior of urinary estriol in the pregnant diabetic patient. Analysis of 517 determinations] Chávez Azuela J, et al.
Ginecol Obstet Mex 1981 Jan;48(291):23–32 (Eng. Abstr.) **(Spa)**

DIABETES MELLITUS, LIPOATROPHIC

COMPLICATIONS

[Diabetes with partial lipoatrophy, insulin resistance, hyperlipemia and visceral manifestations] Linquette M, et al. **Lille Med** 1981 Mar;26(3):93–8 **(Fre)**

DIAGNOSIS

[Partial progressive lipoatrophy. A new case-report (author's transl)] Moinade S, et al. **Sem Hop Paris** 1982 Jan 7; 58(1):45–9 (Eng. Abstr.) **(Fre)**

PHYSIOPATHOLOGY

Lipoatrophic diabetes: endocrine dysfunction and the response to control hypertriglyceridemia. Soler NG, et al. **Metabolism** 1982 Jan;31(1):19–24

DIABETES, PHOSPHATE see **HYPOPHOSPHATEMIA, FAMILIAL**

DIABETES, RENAL see **GLYCOSURIA, RENAL**

DIABETIC ANGIOPATHIES

Pathogenic concepts of diabetic microangiography. International Workshop Garmisch-Grainau, 1980.
Horm Metab Res [Suppl] 1981;11:1–127

BLOOD

The role of insulin in atherosclerosis in diabetics and nondiabetics: a review. Stout RW. **Diabetes** 1981;30(Suppl 2):54–7

Plasma lipids and microangiopathy in insulin-dependent diabetes mellitus. Eckel RH, et al. **Diabetes Care** 1982 Jul–Aug;4(4):447–53

Interrelationships of microangiopathy, plasma glucose and other risk factors in 3583 diabetic patients: a multinational study. West KM, et al. **Diabetologia** 1982 Jun;22(6):412–20

Further observations on serum viscosity changes in diabetes mellitus. McMillan DE. **Metabolism** 1982 Mar;31(3):274–8

[Lipids and diabetic macroangiopathy: role of HDL] Fuller JH, et al. **Journ Annu Diabetol Hotel Dieu** 1982;:203–10 **(Fre)**

[2,3-DPG and diabetic microangiopathy] Faure Nogueras E, et al. **Rev Clin Esp** 1981 Nov 30;163(4):227–30 (Eng. Abstr.) **(Spa)**

CLASSIFICATION

[A proposed classification for diabetic arteritis based on functional and arteriographic data (author's transl)] Langeron P, et al. **J Mal Vasc** 1981;6(3):181–5 (Eng. Abstr.) **(Fre)**

COMPLICATIONS

Chlorpropamide-alcohol flushing in relation to macroangiopathy and peripheral neuropathy in non-insulin dependent diabetes. Jerntorp P, et al.
Acta Med Scand [Suppl] 1981;656:33–6

Prevalence of severe arteriosclerosis obliterans in patients with diabetes mellitus. Relation to smoking and form of therapy. Beach KW, et al. **Arteriosclerosis** 1982 Jul–Aug; 2(4):275–80

Blood glucose and atherosclerosis. Stout RW.
Arteriosclerosis 1981 Jul–Aug;1(4):227–34 (51 ref.)

Specific heart disease in diabetes mellitus [editorial] Shapiro LM. **Br Med J [Clin Res]** 1982 Jan 16;284(6310):140–1

Diabetes and stroke: coping with the consequences. Boshell BR. **Geriatrics** 1981 Oct;36(10):51–65

Vascular factor in erectile failure among diabetics. Jevtich MJ, et al. **Urology** 1982 Feb;19(2):163–8

[Ocular diseases in diabetes mellitus] Harnagea E, et al.
Rev Chir [Oftalmol] 1981 Jul–Sep;25(3):187–9 (Eng. Abstr.) **(Rum)**

DIAGNOSIS

Chlorpropamide-alcohol flushing in non insulin-dependent diabetes: prevalence of small and large vessel disease and or risk factors for angiopathy. Micossi P, et al.
Acta Diabetol Lat 1982 Apr–Jun;19(2):141–9

Influence of norepinephrine on vessel geometry of the intact femoral artery in juvenile insulin-dependent diabetics–evidence of early diabetic angiopathy in central arteries. Treese N, et al. **Z Kardiol** 1982 Jan;71(1):60–4

[Examination of the peripheral arteries by Doppler ultrasonography and echotomography in diabetic subjects] Franceschi C, et al. **Journ Annu Diabetol Hotel Dieu** 1982; :71–5 **(Fre)**

[Clinical, angiographic and therapeutic peculiarities of atheroma in the diabetic] Passa P, et al.
Journ Annu Diabetol Hotel Dieu 1982;:295–304 **(Fre)**

[Fluorescence angiography with morphometric analysis for evaluating the microcirculation of the bulbar conjunctiva and limbus in diabetes mellitus] Petraevskil AV.
Oftalmol Zh 1981;36(8):485–9 (Eng. Abstr.) **(Rus)**

[Thermography in complex instrumental studies in the diagnosis of diabetic angiopathies] Zhigalkin VN, et al.
Probl Endokrinol (Mosk) 1981;27(6):9–12 (Eng. Abstr.) **(Rus)**

[Possibilities of infrared thermography in the differential diagnosis of functional and organic stages of microangiopathy in diabetes mellitus] Zykova TA, et al.
Probl Endokrinol (Mosk) 1981 Sep–Oct;27(5):29–31 (Eng. Abstr.) **(Rus)**

[Non-invasive angiological evaluation in diabetic patients] Brown M, et al. **Rev Med Panama** 1982 May;7(2):97–104 (Eng. Abstr.) **(Spa)**

DRUG THERAPY

Usefulness of an alpha-adrenergic blocking agent (nicergoline) in the treatment of diabetic angiopathy of lower limbs. Calvagno M. **Farmaco [Prat]** 1982 Jun; 37(6):200–5

[Treatment of diabetic angiopathy with pentoxifylline] Pampulov L, et al. **Vutr Boles** 1982;21(3):83–8 (Eng. Abstr.) **(Bul)**

[Haemodynamic and metabolic effects of exercise test in diabetic patients with arteritis treated or not with nicergoline (author's transl)] Boismare F, et al.
Sem Hop Paris 1981 Sep 18–25;57(33–36):1455–7 (Eng. Abstr.) **(Fre)**

ENZYMOLOGY

Increased platelet adenylate cyclase activity ion diabetic patients with microangiography. Janka HU, et al.
Horm Metab Res [Suppl] 1981;11:26–9

ETIOLOGY

Development of diabetic microangiopathy and diabetic control. A study in non-insulin-dependent diabetics. Maneschi F, et al. **Diabete Metab** 1981 Sep;7(3):181–7

Proposed metabolic dysfunctions in diabetic microthromboses and microangiopathy. Waitzman MB. **Metabolism** 1979 Apr;28(4 Suppl 1):401–6 (74 ref.)

[The cardiovascular risk profile of long-term diabetics and its relation to kidney function] Schneider H, et al.
Z Gesamte Inn Med 1982 May 15;37(10):295–9 (Eng. Abstr.) **(Ger)**

[Microangiopathy—etiology and management] Isogai Y, et al. **Nippon Rinsho** 1982 Feb;40(2):348–54 (27 ref.) **(Jpn)**

[Role of venous insufficiency in the etiology of peripheral circulation disorders in diabetic patients] Volgin EG.
Klin Med (Mosk) 1981 Dec;59(12):70–3 (Eng. Abstr.) **(Rus)**

[Blood viscosity and its role in microcirculatory disorders in diabetes mellitus] Golubiatnikova GA, et al.
Ter Arkh 1982;54(2):102–7 (Eng. Abstr.) **(Rus)**

FAMILIAL & GENETIC

Acetylator phenotypes and type I (insulin-dependent) diabetics with microvascular disease. Bodansky HJ, et al.
Diabetes 1981 Nov;30(11):907–10

Genetic heterogeneity in diabetes mellitus and diabetic microangiopathy. Rimoin DL, et al.
Horm Metab Res [Suppl] 1981;11:63–72

IMMUNOLOGY

Circulating immune complexes in diabetics with severe microangiopathy: evaluation by two different methods. Andreani D, et al. **Acta Endocrinol (Copenh)** 1982 Feb; 99(2):239–44

Is diabetic microangiopathy genetically heterogeneous? HLA and diabetic nephropathy. Barbosa J.
Horm Metab Res [Suppl] 1981;11:77–80

METABOLISM

Vascular prostacyclin release and metabolic derangement in diabetes. Harrison HE, et al. **Horm Metab Res [Suppl]** 1981; 11:43–9

[Type I diabetes: pathogenesis of the microangiopathy and the therapeutic imperative of 'euglycemia'] Bibergeil H.
Z Arztl Fortbild (Jena) 1981 Apr 15;75(8):364–6 **(Ger)**

MICROBIOLOGY

Neuropathy, angiopathy, and sepsis in the diabetic foot. Part three: sepsis. Arenson DJ, et al. **J Am Podiatry Assoc** 1982 Jan;72(1):35–40

OCCURRENCE

Vascular complications in non-insulin-dependent diabetes in the young. Jialal I, et al. **S Afr Med J** 1982 Jul 31; 62(6):155–7

[Diabetes mellitus and ischemic cardiopathies in the Senegalese] Koate P, et al. **Dakar Med** 1981;26(3):347–56 (Eng. Abstr.) **(Fre)**

[Epidemiology of the complication of coronary atherosclerosis: some results of the prospective Paris study] Ducimetière P, et al. **Journ Annu Diabetol Hotel Dieu** 1982; :257–64 **(Fre)**

[Carotid artery stenosis, cardiovascular risk profile and associated macroangiopathy in ambulatory diabetics: the Schwabing study on macroangiopathy in diabetics] Janka HU, et al. **Vasa** 1982;11(2):111–6 (Eng. Abstr.) **(Ger)**

[Diabetes mellitus and ischaemic heart disease in male population of Warsaw factories (author's transl)] Przestalska-Malkin H, et al. **Przegl Lek** 1981;38(11):831–5 (Eng. Abstr.) **(Pol)**

[Prevalence of peripheral microangiopathy at the onset of diabetes. Epidemiologic study] McCook Martínez J, et al.
Angiologia 1982 Jul–Aug;34(4):207–10 (Eng. Abstr.) **(Spa)**

PATHOLOGY

A comparison of the microvascular lesions in diabetes mellitus with those in normal aging. Vracko R.
J Am Geriatr Soc 1982 Mar;30(3):201–5

Studies on retinal microangiopathy and coronary macroangiopathy in rats with streptozotocin-induced diabetes. Waber S, et al. **Virchows Arch [Cell Pathol]** 1981; 37(1):1–10

[Foot problems in diabetes] Kangas T. **Duodecim** 1981; 97(12):872–8 **(Fin)**

[Young diabetics with universally specific angiopathy] Fischer F. **Z Gesamte Inn Med** 1981 Jul 15;36(14):500–2 (Eng. Abstr.) **(Ger)**

[Gingival microangiopathy in insulin-dependent diabetics. Histological study] Medici M, et al. **Minerva Stomatol** 1982 Mar–Apr;31(2):215–9 (Eng. Abstr.) **(Ita)**

[Quantitative analysis of lesions of the aortic and carotid artery endothelium in experimental diabetes in rabbits by scanning electron microscopy] Dolgov VV, et al.
Probl Endokrinol (Mosk) 1981 May–Jun;27(3):61–7 (Eng. Abstr.) **(Rus)**

[Skin biopsy in diagnosis of diabetic microangiopathy] Velikov VK, et al. **Ter Arkh** 1981;53(12):113–5 (Eng. Abstr.) **(Rus)**

PHYSIOPATHOLOGY

On some factors related to the pathogenesis of diabetic angiopathy. Almér LO. **Acta Med Scand [Suppl]** 1981; 656:29–31

Hypertension: the major risk factor in juvenile-onset insulin-dependent diabetics. Christlieb AR, et al.
Diabetes 1981;30(Suppl 2):90–6

The fluid phase of coagulation and the accelerated atherosclerosis of diabetes mellitus. Jones RL, et al.
Diabetes 1981;30(Suppl 2):33–8

Hyperglycemia and arterial disease. Keen H, et al.
Diabetes 1981;30(Suppl 2):49–53

Diabetic macroangiopathy and growth hormone. Ledet T.
Diabetes 1981;30(Suppl 2):14–7

Physical factors important in the development of atherosclerosis in diabetes. McMillan DE. **Diabetes** 1981; 30(Suppl 2):97–104

Diabetes and atherosclerosis: an overview. Steiner G.
Diabetes 1981;30(Suppl 2):1–7 (109 ref.)

Permeability and morphology of skeletal muscle capillaries in type I (insulin-dependent) diabetes mellitus. Leinonen H, et al. **Diabetologia** 1982 Mar;22(3):158–62

Hemostatic function tests associated with diabetic microangiopathy. Fuller JH. **Horm Metab Res [Suppl]** 1981; 11:59–62

Platelet aggregation as a risk factor in diabetic subjects. Krzywanek HJ, et al. **Horm Metab Res [Suppl]** 1981; 11:11–4

Vascular prostacyclin, platelet sensitivity to prostaglandins and platelet-specific proteins in diabetes mellitus. Analysis of type of diabetes, state of metabolic control and diabetic microangiopathy. Schernthaner G, et al.
Horm Metab Res [Suppl] 1981;11:33–43

Altered pressure flow relationship in the diabetic foot. Tenembaum MM, et al. **J Surg Res** 1981 Oct;31(4):307–13

[A study of the vascular complications of diabetes (author's transl)] **Chung Hua Nei Ko Tsa Chih** 1981 Sep;20(9):518–22 **(Chi)**

[Physiopathology of diabetic microangiography] Grimaldi A.
Ann Med Interne (Paris) 1982;133(2):114–27 (159 ref.) **(Fre)**

[The arterial wall, insulin, diabetes and atherosclerosis] Capron L, et al. **Journ Annu Diabetol Hotel Dieu** 1982; :247–55 **(Fre)**

[Diabetes, atherosclerosis and lipoproteins] Crepaldi G, et al. **Journ Annu Diabetol Hotel Dieu** 1982;:77–93 **(Fre)**

[Hemostasis and arterial diseases in diabetes] Meade TW. **Journ Annu Diabetol Hotel Dieu** 1982;:211–9 **(Fre)**

[ECG during rest as an indicator of vascular changes in diabetic patients] Janka HU, et al. **Med Klin [Prax]** 1982 Mar 26;77(7):42–9 (Eng. Abstr.) **(Ger)**

[Macroangiopathy in diabetes mellitus] Bibergeil H.
Verh Dtsch Ges Inn Med 1981;87:56–64 **(Ger)**

[Diabetic microangiopathy] Standl E.
Verh Dtsch Ges Inn Med 1981;87:48–55 **(Ger)**

[Microcirculatory changes in diabetes with vascular complications] Davis E. **Harefuah** 1981 Mar 1;100(5):250–1 **(Heb)**

[Heart and diabetes. Anatomo-clinical correlations] Feruglio

FS, et al. **Minerva Cardioangiol** 1981 Sep;29(9):491–5 **(Ita)**

[Functional state of the blood coagulation and anticoagulation systems in diabetic vascular lesion of the legs before and after combined treatment] Tkachuk GV, et al. **Klin Khir** 1981 Jul;(7):17–20 **(Rus)**

[Comparative evaluation of the microcirculatory disorders in diabetes mellitus] Danilova AI, et al. **Probl Endokrinol (Mosk)** 1982 May–Jun;28(3):8–13 (Eng. Abstr.) **(Rus)**

PREVENTION & CONTROL

Blood glucose control and diabetic microangiopathy. Cheah JS. **Ann Acad Med Singapore** 1981 Jul;10(3):383–8

Blood glucose control and diabetic microangiopathy. Cheah JSU. **Med J Malaysia** 1981 Dec;36(4):220–6

Inhibitory effect of elastase on the glomerular capillary basement membrane thickening of the experimental congenital diabetic mice (N.S.Y. mice). Shibata M, et al. **Nagoya J Med Sci** 1981 Mar;43(3–4):111–5

Favorable influences of linoleic acid on the progression of diabetic micro- and macroangiopathy in adult onset diabetes mellitus. Houtsmuller AJ, et al. **Prog Lipid Res** 1981;20:377–86

[The importance of glycosylated hemoglobin in the prevention of diabetic vasculopathy] Rotolo V, et al. **Minerva Med** 1982 May 7;73(19):1291–5 (Eng. Abstr.) **(Ita)**

RADIOGRAPHY

Neuropathy, angiopathy, and sepsis in the diabetic foot. Part two: angiography. Arenson DJ, et al. **J Am Podiatry Assoc** 1981 Dec;71(12):661–5

[Diabetic choroidopathy (author's transl)] Saracco JB, et al. **J Fr Ophtalmol** 1982;5(4):231–6 (Eng. Abstr.) **(Fre)**

RADIONUCLIDE IMAGING

[Hypervascularisation in diabetic patients shown by angiography (author's transl)] Reinhardt K. **ROFO** 1981 Nov;135(5):553–9 (Eng. Abstr.) **(Ger)**

[Perfusion scintigram of diabetic microangiopathy (author's transl)] Mori Y, et al. **Rinsho Hoshasen** 1981 Nov; 26(12):1357–8 **(Jpn)**

SURGERY

[Objectively controlled vascular surgery in diabetics with chronic ischemic ulceration of the feet and rest pain] Elbirk A, et al. **Ugeskr Laeger** 1981 Nov 30;143(49):3283–7 (Eng. Abstr.) **(Dan)**

[Amputation on diabetics (author's transl)] De Nayer P. **Acta Chir Belg** 1981 Sep–Oct;80(5):263–5 (Eng. Abstr.) **(Fre)**

[Incidence, development and laser treatment of rubeosis iridis in diabetics] Menezo JL, et al. **Bull Mem Soc Fr Ophtalmol** 1981;93:129–34 **(Fre)**

[Vascular surgery of threatening gangrene in diabetics] Eriksson I, et al. **Lakartidningen** 1982 Feb 10;79(6):418–20 **(Swe)**

THERAPY

Office care of the insensitive foot. Jacobs RL, et al. **Foot Ankle** 1982 Jan;2(4):230–7

How to treat the diabetic foot. Owen JA Jr. **Geriatrics** 1982 Mar;37(3):57–8, 63–4, 69

Alleviation of diabetic microangiopathy in rats by pancreatic islet cell transplantation. Lauder I, et al. **J Pathol** 1982 Jul;137(3):205–15

Toward achieving euglycemia in kidney transplanted and hemodialysis diabetics. Levitz CS, et al. **Proc Clin Dial Transplant Forum** 1980;10:248–52

[Combined treatment of vascular lesions of the legs in diabetes mellitus] Skripnichenko DF, et al. **Klin Khir** 1981 Jul;(7):47–9 (Eng. Abstr.) **(Rus)**

[Treatment of gangrene of the lower extremities in diabetics] Marfin BI, et al. **Vestn Khir** 1982 Feb;128(2):57–9 (Eng. Abstr.) **(Rus)**

URINE

[Comparative study of dysproteinemia and proteinuria in diabetic nephroangiopathies] Starose 'tseva LK, et al. **Probl Endokrinol (Mosk)** 1981 Sep–Oct;27(5):17–20 (Eng. Abstr.) **(Rus)**

DIABETIC COMA

BLOOD

Different behaviour of haemoglobin A1a–c and glycosyl–albumin levels during recovery from diabetic ketoacidosis and non–acidotic coma. Dolhofer R, et al. **Diabetologia** 1981 Sep;21(3):211–5

[Hyperamylasemia and diabetic ketoacidosis. Physiopathologic process and clinical significance (author's transl)] Van Gossum A, et al. **Acta Gastroenterol Belg** 1981 Jul–Aug;44(7–8):345–50 (Eng. Abstr.) **(Fre)**

CHEMICALLY INDUCED

Hyperosmolar non–ketotic diabetic syndrome precipitated by treatment with diuretics [letter] **Br Med J [Clin Res]** 1982 Feb 27;284(6316):665–6

COMPLICATIONS

Hyperosmolar nonketotic diabetic state associated with disseminated intravascular coagulation and acute renal failure: a case report. Kaneshige H, et al. **Tokai J Exp Clin Med** 1982 Jan;7(1):81–4

[Abdominal pain in diabetic precoma] Pagel J, et al. **Ugeskr Laeger** 1981;143(34):2155–6 (Eng. Abstr.) **(Dan)**

[Cardiovascular insufficiency in diabetic coma] Chantelau E, et al. **Dtsch Med Wochenschr** 1982 Feb 12;107(6):203–4 **(Ger)**

[Brain edema in juvenile diabetic coma. New considerations on therapy] Schimmer M. **Dtsch Med Wochenschr** 1982 Jul 16;107(28):1111–3 **(Ger)**

DIAGNOSIS

Hyperosmolar nonketotic diabetic coma. Joosten R, et al. **Eur J Pediatr** 1981 Oct;137(2):233–6

One minute with diabetes. DeLawter DE. **Md State Med J** 1982 Jul;31(7):8

[What is your diagnosis?] Keller H. **Praxis** 1981 Nov 10; 70(46):2049–50 **(Ger)**

[Unusual course of hyperglycemic coma] Suchkova EN, et al. **Ter Arkh** 1981;53(6):121–2 **(Rus)**

DRUG THERAPY

Low–dose insulin treatment of hyperosmolar diabetic coma. Wright AD, et al. **Postgrad Med J** 1981 Sep;57(671):556–9

[Therapy of diabetic coma] Schatz H. **Fortschr Med** 1982 Jan 14;100(1–2):20–6 (23 ref.) **(Ger)**

[Experiences with low–dose insulin therapy in diabetic precoma/coma in basic hospital care] Wagner K. **Z Arztl Fortbild (Jena)** 1981 Apr 1;75(7):311–4 **(Ger)**

[Treatment of infantile diabetic ketoacidosis with continuous infusion of small doses of insulin] Lucentini L. **Minerva Pediatr** 1981 Oct 15;33(19):969–77 (51 ref.) (Eng. Abstr.) **(Ita)**

[Management of moderately severe diabetic ketoacidosis and diabetic coma] Tatoń J, et al. **Pol Tyg Lek** 1981 May 25; 36(21):767–9 **(Pol)**

ETIOLOGY

Hyperosmolar non–ketotic diabetic syndrome precipitated by treatment with diuretics. Fonseca V, et al. **Br Med J [Clin Res]** 1982 Jan 2;284(6308):36–7

Hyperglycemic hyperosmolar nonketotic coma (case report in a juvenile diabetic and review of literature). Gupta RC, et al. **J Assoc Physicians India** 1981 Oct;29(10):861–3

METABOLISM

[Diabetic coma] Sakamoto N, et al. **Nippon Rinsho** 1982 Feb; 40(2):355–62 (30 ref.) **(Jpn)**

PATHOLOGY

[New information on clinical aspects and therapy of ketoacidosis and diabetic coma] Scevola F. **Minerva Med** 1981 Oct 20;72(40):2713–5 **(Ita)**

[Case of lactic acid coma in a diabetic] Limanskaia GF, et al. **Probl Endokrinol (Mosk)** 1982 May–Jun;28(3):43–4 **(Rus)**

PHYSIOPATHOLOGY

Haemostatic changes in diabetic coma. Paton RC. **Diabetologia** 1981 Sep;21(3):172–7

THERAPY

Physiopathology and management of hyperosmolar hyperglycemic nonketotic dehydration. Bivins BA, et al. **Surg Gynecol Obstet** 1982 Apr;154(4):534–40

[A discussion on the mechanism of diabetic hyperosmolar coma and the principle of its treatment (author's transl)] Qian RL. **Chung Hua Nei Ko Tsa Chih** 1981 Sep; 20(9):528–31 **(Chi)**

[Therapy of diabetic coma] Froesch ER, et al. **Verh Dtsch Ges Inn Med** 1981;87:1524–32 **(Ger)**

[New indications on the clinical aspects and therapy of ketoacidosis and diabetic coma] Scevola F. **Minerva Dietol Gastroenterol** 1982 Apr–Jun;28(2):170–2 **(Ita)**

[Double remission of diabetes complicated by hyperosmolar coma] Hirsch S, et al. **Wiad Lek** 1981 May 15;34(10):839–42 **(Pol)**

DIABETIC DIET

Diet for diabetic children: a change in emphasis [editorial] Rayner PH. **Arch Dis Child** 1982 Jul;57(7):487–9

Diabetes mellitus: II: treatment. Jarrett J, et al. **Br Med J [Clin Res]** 1981 Sep 12;283(6293):703–4

Pregnancy in diabetic women: outcome with a program aimed at normoglycemia before meals. Tevaarwerk GJ, et al. **Can Med Assoc J** 1981 Sep 1;125(5):435–40

Improved diabetic control and hypocholesterolaemic effect induced by long–term dietary supplementation with guar gum in type 2 (insulin–independent) diabetes. Aro A, et al. **Diabetologia** 1981 Jul;21(1):29–33

The effect of apple fibre on diabetic control and plasma lipids. Mayne PD, et al. **Ir J Med Sci** 1982 Feb;151(2):36–41

Nutritional care of patients with renal failure and diabetes. Levine SE. **J Am Diet Assoc** 1982 Sep;81(3):261–7 (43 ref.)

Development of new educational strategies for the person with diabetes. Wylie–Rosett J. **J Am Diet Assoc** 1982 Sep; 81(3):268–71

Update on nutrition therapy for diabetes. Warshaw H. **J Med Assoc Ga** 1982 Mar;71(3):189–92

Diet and diabetics [editorial] Winton R. **Med J Aust** 1982 Mar 20;1(6):245

Guar biscuits in the diabetic diet. Smith CJ, et al. **S Afr Med J** 1982 Feb 6;61(6):196–8

[Daily plan for diet therapy in diabetes mellitus] Matzkies F, et al. **Fortschr Med** 1982 Feb 18;100(7):266–70 **(Ger)**

STANDARDS

Dietary considerations in diabetes mellitus. Smith DA. **Penn Med** 1982 Feb;85(2):64–6 (32 ref.)

TRENDS

Rationale for changes in the dietary management of diabetes. Fat, carbohydrate, and fiber. El–Beheri Burgess BR. **J Am Diet Assoc** 1982 Sep;81(3):258–61

A case of diabetes mellitus [letter] **N Engl J Med** 1982 Jul 8;307(2):127–8

DIABETIC NEPHROPATHIES

Diabetes mellitus and the kidney. Mogensen CE. **Kidney Int** 1982 May;21(5):673–5

[Severe hypoglycemia due to Dirastan (tolbutamide) in a diabetic with chronic renal failure] Bureš J, et al. **Vnitr Lek** 1982 Jul;28(7):678–84 (Eng. Abstr.) **(Cze)**

BLOOD

Plasma renin and aldosterone in adult–onset diabetics with persistent proteinuria. Sugiyama H, et al. **Jpn J Med** 1981 Jul;20(3):194–201

Red blood cell deformability in renal failure. Kikuchi Y, et al. **Nephron** 1982;30(1):8–14

CHEMICALLY INDUCED

Nephrogenic diabetes insipidus associated with Dyazide (triamterene–hydrochlorothiazide). Macleod MD, et al. **Br Med J [Clin Res]** 1981 Oct 31;283(6300):1155–6

Streptozotocin induced diabetic nephropathy and renal tumors in the rat. Bleasel AF, et al. **Experientia** 1982 Jan 15;38(1):129–30

COMPLICATIONS

Diabetic nephropathy and perinatal outcome. Kitzmiller JL, et al. **Am J Obstet Gynecol** 1981 Dec 1;141(7):741–51

Hyperkalemia in a diabetic due to renal tubular unresponsiveness to aldosterone. Bannister KM, et al. **Aust NZ J Med** 1982 Feb;12(1):63–6

Diabetic management in patients with renal failure. Amico JA, et al. **Diabetes Care** 1981 May–Jun;4(3):430–4

Significance of hematuria in diabetics. Launer R, et al. **Minn Med** 1981 May;64(5):299–301

Idiopathic membranous glomerulonephritis associated with diabetes mellitus: light, immunofluorescence and electron microscopic study. Kobayashi K, et al. **Nephron** 1981; 28(4):163–8

[Diabetic glomerulosclerosis and hypoglycemia (author's transl) (editorial)] Vernet A. **Praxis** 1981 Jul 14; 70(29):1295–7 **(Fre)**

[Acute poststreptococcal glomerulonephritis complicating diabetic nephropathy] Plaza Perez JJ, et al. **Rev Clin Esp** 1981 Jul 15–31;162(1–2):49–51 **(Spa)**

DIAGNOSIS

The kidney in maturity onset diabetes mellitus: a clinical study of 510 patients. Fabre J, et al. **Kidney Int** 1982 May; 21(5):730–8

Microalbuminuria to predict nephropathy in diabetics [letter] Simpson LO. **Lancet** 1982 Aug 7;2(8293):330–1

Microalbuminuria as prediction of nephropathy in diabetics [letter] Viberti GC, et al. **Lancet** 1982 Sep 11;2(8298):611

[Glomerulosclerosis: myeloma or diabetes? (author's transl)] Hamza H, et al. **Nephrologie** 1981;2(4):162–4 (Eng. Abstr.) **(Fre)**

[Serum beta 2 microglobulin assay in diabetes mellitus (author's transl)] Schlienger JL, et al. **Sem Hop Paris** 1982 Apr 22;58(16):959–62 (Eng. Abstr.) **(Fre)**

[Excluded kidney due to unilateral papillary necrosis in a diabetic with preserved kidney function] Pérusse P, et al. **Union Med Can** 1982 Feb;111(2):151–4 (Eng. Abstr.) **(Fre)**

[Impairment of the renal tubular system in pathological glucose tolerance (author's transl)] Jungmann E, et al. **MMW** 1982 Mar 12;124(10):231–3 (Eng. Abstr.) **(Ger)**

[Renal radioisotope clearance in an unselected group of diabetics – a tool for the early recognition of diabetic nephropathy? (author's transl)] Doschek D, et al. **Nuklearmedizin** 1980 Dec;19(6):271–3 (Eng. Abstr.) **(Ger)**

[Ultrasonic kidney scanning in diabetes mellitus in children] Abdyldaev BI, et al. **Pediatriia** 1982 May;(5):37–9 **(Rus)**

[Renal hemodynamics in patients with diabetes mellitus] Mamedov R, et al. **Vrach Delo** 1981 Nov;(11):43–5 (Eng. Abstr.) **(Rus)**

DRUG THERAPY

Long-term antihypertensive treatment inhibiting progression of diabetic nephropathy. Mogensen CE. **Br Med J [Clin Res]** 1982 Sep 11;285(6343):685–8

Long-term subcutaneous insulin infusion therapy and progression of nephropathy in type 1 (insulin-dependent) diabetes [letter] Pitkänen E, et al. **Diabetologia** 1982 May; 22(5):378

Intraperitoneal administration of insulin during peritoneal dialysis of diabetics with terminal renal failure. Anderson KE, et al. **Int J Artif Organs** 1981 Jul;4(4):162–7

Intravenous versus subcutaneous insulin in the postoperative juvenile-onset diabetes mellitus (JODM) patient receiving a renal cadaver transplant. Fisher PB, et al. **Proc Clin Dial Transplant Forum** 1980;10:258–9

Intraperitoneal insulin for control of glucose level in insulin dependent diabetic patients treated by CAPD. Rottembourg J, et al. **Proc Clin Dial Transplant Forum** 1980;10:305–7

Intraperitoneal administration of insulin during peritoneal dialysis of diabetic patients with terminal renal failure. Andersen KE, et al. **Proc Eur Dial Transplant Assoc** 1981; 18:206–11

ETIOLOGY

The case for intrarenal hypertension in the initiation and progression of diabetic and other glomerulopathies. Hostetter TH, et al. **Am J Med** 1982 Mar;72(3):375–80 (49 ref.)

Diabetic nephropathy is a hyperglycemic glomerulopathy [editorial] Friedman EA. **Arch Intern Med** 1982 Jul; 142(7):1269–70

Diabetic nephropathy: fault or destiny? Deckert T, et al. **Diabetologia** 1981 Sep;21(3):178–83

Genesis and evolution of diabetic nephropathy. Keen H, et al. **J Clin Pathol** 1981 Nov;34(11):1261–6

Proteinuria in diabetes mellitus: role of spontaneous and experimental variation of glycemia. Viberti GC, et al. **Kidney Int** 1982 May;21(5):714–20

Graded exercise and protein excretion in diabetic man and the effect of insulin treatment. Vittinghus E, et al. **Kidney Int** 1982 May;21(5):725–9

[The cardiovascular risk profile of long-term diabetics and its relation to kidney function] Schneider H, et al. **Z Gesamte Inn Med** 1982 May 15;37(10):295–9 (Eng. Abstr.) **(Ger)**

IMMUNOLOGY

Is diabetic microangiopathy genetically heterogeneous? HLA and diabetic nephropathy. Barbosa J. **Horm Metab Res [Suppl]** 1981;11:77–80

METABOLISM

Increased concentration of albumin in kidney basement membranes in diabetes mellitus. Michael AF, et al. **Diabetes** 1981 Oct;30(10):843–6

Diabetic nephropathy associated with fibrin formation. Herlihy WG, et al. **Hum Pathol** 1981 Jul;12(7):658–60

Antithrombin III and fibrinogen degradation product (fragment E) in diabetic nephropathy. Chan V, et al. **J Clin Pathol** 1982 Jun;35(6):661–6

OCCURRENCE

Vascular complications in non-insulin-dependent diabetes in the young. Jialal I, et al. **S Afr Med J** 1982 Jul 31; 62(6):155–7

PATHOLOGY

Mesangial bridges. A mode of progression in diabetic glomerulosclerosis. Watanabe T, et al. **Acta Pathol Jpn** 1981 Nov;31(6):1045–51

Relationship of dietary intake to the development of glomerulosclerosis in obese Zucker rats. Shimamura T. **Exp Mol Pathol** 1982 Jun;36(3):423–4

Diabetic glomerulonephropathy: histopathologic, immunofluorescent, and ultrastructural studies of 16 cases. Ainsworth SK, et al. **Hum Pathol** 1982 May;13(5):470–8

Rapidly progressive glomerulonephritis superimposed on diabetic glomerulosclerosis. Recognition and treatment. Carstens SA, et al. **JAMA** 1982 Mar 12;247(10):1453–7

Diabetic nephropathy in the uninephrectomized dog: microscopic lesions after one year. Steffes MW, et al. **Kidney Int** 1982 May;21(5):721–4

Inhibitory effect of elastase on the glomerular capillary basement membrane thickening of the experimental congenital diabetic mice (N.S.Y. mice). Shibata M, et al. **Nagoya J Med Sci** 1981 Mar;43(3–4):111–5

PHYSIOPATHOLOGY

Studies on mechanisms of proteinuria using amino-acid-induced inhibition of tubular reabsorption in normal and diabetic man. Mogensen CE, et al. **Contrib Nephrol** 1981;26:50–65

Further views on the basement membrane controversy. Simpson LO. **Diabetologia** 1981 Dec;21(6):517–9

Elevated glomerular filtration rate in early diabetes may be explained by increased sodium reabsorption secondary to an impairment in renal tubular handling of phosphate. Ditzel J, et al. **Horm Metab Res [Suppl]** 1981;11:87–9

Glomerular function in advanced human diabetic nephropathy. Winetz JA, et al. **Kidney Int** 1982 May; 21(5):750–6

Effect of 6 months of strict metabolic control on eye and kidney function in insulin-dependent diabetics with background retinopathy. Steno study group. **Lancet** 1982 Jan 16;1(8264):121–4

[Renal changes in early diabetes. The disease and a disease model] Seyer-Hansen K. **Ugeskr Laeger** 1981 Mar 30; 143(14):874–8 (43 ref.) (Eng. Abstr.) **(Dan)**

[Comparative study of elevated glomerular filtration and glycohemoglobin rates in diabetic children and adolescents] Drexler M, et al. **Orv Hetil** 1981 Dec 13;122(50):3081–3 **(Hun)**

PREVENTION & CONTROL

Diabetic glomerulopathy may be preventable. Friedman A, et al. **Clin Exp Dial Apheresis** 1981;5(1–2):79–92

The effect of a high fibre diet on diabetic nephropathy in the db/db mouse. Lee SM. **Diabetologia** 1982 May; 22(5):349–53

Diabetic nephropathy: strategies in prevention and management. Friedman EA. **Kidney Int** 1982 May; 21(5):780–91

Effect of strict diabetic control on eye and kidney function [letter] Hockaday TD. **Lancet** 1982 Feb 13;1(8268):397

Microalbuminuria as a predictor of clinical nephropathy in insulin-dependent diabetes mellitus. Viberti GC, et al. **Lancet** 1982 Jun 26;1(8287):1430–2

REHABILITATION

Long-term rehabilitation of transplant patients. Simmons RG, et al. **Proc Clin Dial Transplant Forum** 1980;10:43–6

SURGERY

Improving survival after renal transplantation for diabetic patients with severe coronary artery disease. D'Elia JA, et al. **Diabetes Care** 1981 May–Jun;4(3):380–2

Diabetic patients and the impact of renal transplantation. Peterson LG, et al. **Psychosomatics** 1982 Feb;23(2):173–85

[Transplantation of pancreas and kidney in diabetic nephropathy (author's transl)] Largiadèr F, et al. **Dtsch Med Wochenschr** 1982 Apr 9;107(14):527–30 (Eng. Abstr.) **(Ger)**

THERAPY

A comparison of continuous ambulatory peritoneal dialysis in diabetic and nondiabetic patients. Flynn CT, et al. **Am J Kidney Dis** 1981 Jul;1(1):15–23

Diabetic nephropathy. McCarthy JA. **Am J Nurs** 1981 Nov; 81(11):2030–1, 2033–4

Nutritional care of patients with renal failure and diabetes. Levine SE. **J Am Diet Assoc** 1982 Sep;81(3):261–7 (43 ref.)

Continuous ambulatory peritoneal dialysis in diabetics with end-stage renal disease. Amair P, et al. **N Engl J Med** 1982 Mar 18;306(11):625–30

Chronic ambulatory peritoneal dialysis [editorial] Harrington JT. **N Engl J Med** 1982 Mar 18;306(11):670–1

An alternative to cadaver kidney transplants for patients with insulin-dependent diabetes mellitus. Feduska NJ, et al. **Transplantation** 1981 Dec;32(6):517–21

Dinitrochlorobenzene skin test reactivity as a predictor of outcome in transplantation of juvenile onset diabetics. Maxwell JG, et al. **Transplantation** 1981 Nov;32(5):381–4

[Treatment of diabetic nephropathy at the Mirgorod health resort] Vesel'skiĭ ISh, et al. **Vrach Delo** 1981 Dec;(12):83–4 **(Rus)**

URINE

Reduced albuminuria during early and aggressive antihypertensive treatment of insulin-dependent diabetic patients with diabetic nephropathy. Parving HH, et al. **Diabetes Care** 1982 Jul–Aug;4(4):459–63

[Clinico-prognostic role of evaluation of urine osmolarity and kidney concentrating ability in diabetes mellitus in children] Kniazev IuA, et al. **Pediatriia** 1982 May;(5):34–7 (Eng. Abstr.) **(Rus)**

[Comparative study of dysproteinemia and proteinuria in diabetic nephroangiopathies] Starose 'tseva LK, et al. **Probl Endokrinol (Mosk)** 1981 Sep–Oct;27(5):17–20 (Eng. Abstr.) **(Rus)**

DIABETIC NEUROPATHIES

Diabetic neuropathy. Ellenberg M. **Compr Ther** 1982 Jan; 8(1):21–31 (38 ref.)

BLOOD

Venous oxygenation in the diabetic neuropathic foot: evidence of arteriovenous shunting? Boulton AJ, et al. **Diabetologia** 1982 Jan;22(1):6–8

No response of pancreatic hormones to hypoglycemia in diabetic autonomic neuropathy. Hilsted J, et al. **J Clin Endocrinol Metab** 1982 Apr;54(4):815–9

CHEMICALLY INDUCED

The effects of intermittent insulin therapy on the autonomic neuropathy in the streptozotocin diabetic rat. Monckton G, et al. **Can J Neurol Sci** 1982 May;9(2):79–84

Tricyclic exacerbation of undiagnosed diabetic uropathy. Rubinow DR, et al. **J Clin Psychiatry** 1982 May;43(5):210–2

COMPLICATIONS

Diabetic neuropathic cachexia and diabetic amyotrophy. Massey EW. **Acta Diabetol Lat** 1982 Jan–Mar;19(1):91–5

Chlorpropamide-alcohol flushing in relation to macroangiopathy and peripheral neuropathy in non-insulin dependent diabetes. Jerntorp P, et al. **Acta Med Scand [Suppl]** 1981;656:33–6

Ischaemic optic neuropathy with painful ophthalmoplegia in diabetes mellitus. Jabs DA, et al. **Br J Ophthalmol** 1981 Oct;65(10):673–8

Medial arterial calcification and diabetic neuropathy [letter] Capron L. **Br Med J [Clin Res]** 1982 Jun 5; 284(6330):1711–2

Medial arterial calcification and diabetic neuropathy. Edmonds ME, et al. **Br Med J [Clin Res]** 1982 Mar 27; 284(6320):928–30

Nail dystrophy due to diabetic neuropathy. Mann RJ, et al. **Br Med J [Clin Res]** 1982 May 15;284(6327):1445

Diabetic neuropathy–I. Watkins PJ. **Br Med J [Clin Res]** 1982 Aug 14;285(6340):493–5

Predisposing factors in Bell's palsy: a clinical study with reference to diabetes mellitus, hypertension, clotting mechanism and lipid disturbance. Abraham-Inpijn L, et al. **Clin Otolaryngol** 1982 Apr;7(2):99–105

Urological aspects of diabetes. Manning NT, et al. **Int Rehabil Med** 1982;4(1):52–4

Non-infective disease of the diabetic foot. Newman JH. **J Bone Joint Surg [Br]** 1981;63B(4):593–6

Interplay of autonomic neuropathy and arteriosclerosis. Ellenberg M. **NY State J Med** 1982 May;82(6):917–22

Diabetic neuralgic amyotrophy. Williams AJ. **Postgrad Med J** 1981 Jul;57(669):450–2

Endothelial factors, toe temperature and leg circulation in diabetics with and without autonomic neuropathy. Almér LO, et al. **Thromb Res** 1982 Apr 15;26(2):119–28

[Sexual problems encountered in diabetology (author's transl)] Gfeller R, et al. **Ther Umsch** 1981 Nov; 38(11):1069–74 (Eng. Abstr.) **(Fre)**

[Compression syndrome of the lateral femoral cutaneous nerve and the common peroneal nerve coincidental with diabetic polyneuropathy] Freising S. **Chirurg** 1982 Mar; 53(3):189–91 **(Ger)**

[Vascular functional disorders in insulin-dependent diabetes] Podhaisky H, et al. **Z Gesamte Inn Med** 1981 Oct 1; 36(19):716–20 (Eng. Abstr.) **(Ger)**

[Cardiorespiratory arrest in a juvenile diabetic woman with autonomic neuropathy (author's transl)] Nouchi T, et al. **Nippon Naika Gakkai Zasshi** 1981 Sep 10;70(9):1267–72 **(Jpn)**

DIAGNOSIS

Multiple mononeuropathy or nononeuritis multiplex in diabetics? Massey EW, et al. **Acta Diabetol Lat** 1982 Jan–Mar;19(1):83–7

Deep breathing, Valsalva, and tilt table tests in diabetics with and without symptoms of autonomic neuropathy. Sundkvist G, et al. **Acta Med Scand** 1982;211(5):369–73

A sensitive orthostatic test on tilt table, useful in the detection of diabetic autonomic neuropathy. Sundkvist G, et al. **Acta Med Scand [Suppl]** 1981;656:43–5

Thoracic root pain in diabetes: the spectrum of clinical and electromyographic findings. Kikta DG, et al. **Ann Neurol** 1982 Jan;11(1):80–5

Diabetic thoracoabdominal neuropathy [letter] Massey EW. **Ann Neurol** 1981 Nov;10(5):496

Anterior ischemic optic neuropathy as an initial sign of diabetics mellitus: a case report. Barner SS, et al. **Ann Ophthalmol** 1982 May;14(5):492–3, 496

Diabetic neuropathy—II. Watkins PJ. **Br Med J [Clin Res]** 1982 Aug 21;285(6341):557–9

Peripheral and autonomic nerve function tests in early diagnosis of diabetic neuropathy: correlation between motor nerve conduction velocity and fasting plasma glucose. Zhong XL, et al. **Chin Med J [Engl]** 1981 Aug; 94(8):495–502

Acetylator status and diabetic neuropathy. Shenfield GM, et al. **Diabetologia** 1982 Jun;22(6):441–4

Abnormal cardiovascular reflexes in juvenile diabetics as preclinical signs of autonomic neuropathy. Pilati G, et al. **G Ital Cardiol** 1981;11(12):2139–43

Neuroarthropathy in diabetes mellitus. Zaloga GP, et al. **J Fam Pract** 1982 Apr;14(4):775–6, 778 passim

Delayed auditory brainstem responses in diabetes mellitus. Donald MW, et al. **J Neurol Neurosurg Psychiatry** 1981 Jul;44(7):641–4

Diabetic proximal neuropathy. Clinical and electromyographic studies. Subramony SH, et al. **J Neurol Sci** 1982 Feb;53(2):293–304

Diabetic polyradiculopathy: clinical and electromyographic findings in 105 patients. Bastron JA, et al. **Mayo Clin Proc** 1981 Dec;56(12):725–32

Cardiovascular reflex tests; in the natural history of diabetic autonomic neuropathy. Clarke BF, et al. **NY State J Med** 1982 May;82(6):903–8 (35 ref.)

Rapid development of neurosyphilis in a long-standing diabetic. Gorsuch AN, et al. **Postgrad Med J** 1981 Mar; 57(665):183–4

Cardiovascular reflexes in short-term diabetics with normal

physical working capacity. Berglund B, et al. **Scand J Clin Lab Invest** 1980;40(8):749–53

Timed repetitive ankle jerk responses in early diabetic neuropathy. Roberts HJ. **South Med J** 1982 Apr; 75(4):411–6

[Diagnosis of diabetic neuropathy (author's transl)] Zheng BD. **Chung Hua Nei Ko Tsa Chih** 1982 Mar;21(3):157–61 **(Chi)**

[Diabetic neuropathy] Juntunen J, et al. **Duodecim** 1981; 97(12):908–19 **(Fin)**

[Cardiovascular response to isometric exercise (handgrip) in diabetics] Turiel M, et al. **Boll Soc Ital Cardiol** 1981; 26(2):159–64 **(Ita)**

[Variations of heart rate with respiration as an index of the autonomic nervous system changes in diabetics] Carapezzi C, et al. **G Clin Med** 1981 Jul;62(7):474–84 (Eng. Abstr.) **(Ita)**

DRUG THERAPY

Diabetic neuropathy [letter] Schneider LJ. **Am Fam Physician** 1982 Jan;25(1):25

In vivo effect of methylcobalamin on the peripheral nerve structure in streptozotocin diabetic rats. Yagihashi S, et al. **Horm Metab Res** 1982 Jan;14(1):10–3

Aldose reductase inhibition: studies with alrestatin. Gabbay KH, et al. **Metabolism** 1979 Apr;28(4 Suppl 1):471–6

Ganglioside treatment of neuropathy in diabetic mice. Norido F, et al. **Muscle Nerve** 1982 Feb;5(2):107–10

Combination H1 and H2 receptor antagonist therapy in diabetic autonomic neuropathy. Stacpoole PW, et al. **South Med J** 1982 May;75(5):634–5

Improvement of diabetic peripheral neuropathy with the portable insulin infusion pump. Tolaymat A, et al. **South Med J** 1982 Feb;75(2):185–9

[A discussion on the treatment of diabetic neuropathy (author's transl)] Zheng BD. **Chung Hua Nei Ko Tsa Chih** 1981 Sep;20(9):523–7 **(Chi)**

[A molecule active in deficiency and metabolic neuropathies] **Med Chir Dig** 1982;11(4):305–6 **(Fre)**

[Clinical trial of isaxonine in diabetic neuropathies (author's transl)] Augustin P, et al. **Nouv Presse Med** 1982 Apr 8; 11(16):1265–8 (Eng. Abstr.) **(Fre)**

[Unithiol in the treatment of diabetic polyneuropathies] Efimov AS, et al. **Sov Med** 1981;(9):59–63 (Eng. Abstr.) **(Rus)**

ENZYMOLOGY

Dopamine beta-Hydroxylation in diabetes ane diabetic autonomic neuropathy. Hoeldtke RD, et al. **Biochem Med** 1981 Aug;26(1):67–76

ETIOLOGY

Neuropathy, angiopathy, and sepsis in the diabetic foot. Part one: neuropathy. Arenson DJ, et al. **J Am Podiatry Assoc** 1981 Nov;71(11):618–24

Pathogenesis of diabetic neuropathy. Clements RS Jr. **NY State J Med** 1982 May;82(6):864–71

[Cardiac autonomic neuropathy in diabetics. Study on incidence, pathogenesis and prognosis] Hasslacher C, et al. **Fortschr Med** 1982 Jun 10;100(22):1059–62 (Eng. Abstr.) **(Ger)**

[Involvement of peripheral and cranial nerves in diabetes mellitus] Kanarelkin KF, et al. **Klin Med (Mosk)** 1981 Sep; 59(9):14–21 **(Rus)**

METABOLISM

Stiffness of the hand in diabetes [editorial] **Lancet** 1981 Nov 7;2(8254):1027–8

Nonenzymatic glycosylation of peripheral nerve protein in diabetes mellitus. Vlassara H, et al. **Proc Natl Acad Sci USA** 1981 Aug;78(8):5190–2

MICROBIOLOGY

Neuropathy, angiopathy, and sepsis in the diabetic foot. Part three: sepsis. Arenson DJ, et al. **J Am Podiatry Assoc** 1982 Jan;72(1):35–40

PATHOLOGY

Change in mast cell dimensions increases the profile number in sections of peripheral nerve of diabetic rats. Jakobsen J, et al. **Acta Neuropathol (Berl)** 1982;56(2):157–60

Diabetic neuroarthropathy (Charcot's joint). Raju UB, et al. **Arch Pathol Lab Med** 1982 Jul;106(7):349–51

Capillary morphology and muscle blood flow in diabetic neuropathy. Matikainen E, et al. **Eur Neurol** 1982 Jan–Feb; 21(1):22–8

Multifocal fiber loss in proximal sciatic nerve in symmetric distal diabetic neuropathy. Sugimura K, et al. **J Neurol Sci** 1982 Mar;53(3):501–9

Non-vascular basement membrane thickening in diabetes mellitus [letter] Johnson PC. **Lancet** 1981 Oct 24; 2(8252):932–3

PHYSIOPATHOLOGY

Reduced epinephrine secretion and hypoglycemia unawareness in diabetic autonomic neuropathy. Hoeldtke RD, et al. **Ann Intern Med** 1982 Apr;96(4):459–62

Diabetes control and neuropathy [letter] Horowitz SH. **Ann Intern Med** 1981 Nov;95(5):654–5

Proximal nerve dysfunction in diabetic proximal amyotrophy. Electrophysiology and electron microscopy. Chokroverty S. **Arch Neurol** 1982 Jul;39(7):403–7

Diabetic neuropathy: a clinical, laboratory and electrodiagnostic study. Halar EM, et al. **Arch Phys Med Rehabil** 1982 Jul;63(7):298–303

Cardiac beat to beat variation: age related changes in the normal population and abnormalities in diabetics. Chipps DR, et al. **Aust NZ J Med** 1981 Dec;11(6):614–20

Vertical forces acting on the feet of diabetic patients with neuropathic ulceration. Ctercteko GC, et al. **Br J Surg** 1981 Sep;68(9):608–14

Preservation of the hypoxic drive to breathing in diabetic autonomic neuropathy. Calverley PM, et al. **Clin Sci** 1982 Jul;63(1):17–22

Reduced airway vagal tone in diabetic patients with autonomic neuropathy. Douglas NJ, et al. **Clin Sci** 1981 Nov;61(5):581–4

Chemosensitivity in patients with diabetic neuropathy. Homma I, et al. **Clin Sci** 1981 Nov;61(5):599–603

Blood flow in the diabetic neuropathic foot. Edmonds ME, et al. **Diabetologia** 1982 Jan;22(1):9–15

Cardiac autonomic neuropathy in diabetes: comparison of measures of R-R interval variation. Ewing DJ, et al. **Diabetologia** 1981 Jul;21(1):18–24

Autonomic neuropathy in the skin: a histological study of the sympathetic nerve fibres in diabetic anhidrosis. Faerman I, et al. **Diabetologia** 1982 Feb;22(2):96–9

Haemodynamic changes during graded exercise in patients with diabetic autonomic neuropathy. Hilsted J, et al. **Diabetologia** 1982 May;22(5):318–23

Axonal transport of noradrenaline and noradrenergic transmission in rats with streptozotocin-induced diabetes. Tomlinson DR, et al. **Diabetologia** 1982 Mar;22(3):199–204

The diabetic leg. Ward JD. **Diabetologia** 1982 Mar; 22(3):141–7 (54 ref.)

Sensory and motor parameters in leg nerves of diabetics: intercorrelations and relationships to clinical symptoms. Tackmann W, et al. **Eur Neurol** 1981;20(4):344–50

Diabetic autonomic neuropathy in the surgical management of the diabetic foot. Schustek S, et al. **J Foot Surg** 1982 Spring;21(1):16–22

Effects of aldose reductase inhibitor treatment in diabetic polyneuropathy – a clinical and neurophysiological study. Fagius J, et al. **J Neurol Neurosurg Psychiatry** 1981 Nov; 44(11):991–1001

Acute effects of alcohol on the peripheral nerves in diabetic polyneuropathy: a clinical and neurophysiological study. Juntunen J, et al. **J Neurol Neurosurg Psychiatry** 1982 May; 45(5):452–6

Analysis of conduction velocity in the H pathway. Part 2. An electrophysiological study in diabetic polyneuropathy. Troni W. **J Neurol Sci** 1981 Aug;51(2):235–46

Endoneurial fluid pressure in experimental models of diabetic neuropathy. Powell HC, et al. **J Neuropathol Exp Neurol** 1981 Nov;40(6):613–24

Mechanisms of proteinuria in diabetic nephropathy: a study of glomerular barrier function. Myers BD, et al. **Kidney Int** 1982 Apr;21(4):633–41

Dietary myo-inositol intake and peripheral nerve function in diabetic neuropathy. Clements RS Jr, et al. **Metabolism** 1979 Apr;28(4 Suppl 1):477–83

Functional aspects and pathogenetic considerations of the neuropathy in the spontaneously diabetic BB-Wistar rat. Sima AA, et al. **Neuropathol Appl Neurobiol** 1981 Sep–Oct; 7(5):341–50

Resting heart rate and diabetic autonomic neuropathy. Clarke BF, et al. **NY State J Med** 1982 May;82(6):908–13

Neuropathology in diabetes: general aspects with emphasis on the autonomic nervous system. Grover-Johnson N, et al. **NY State J Med** 1982 May;82(6):860–4

Pathophysiology in diabetic autonomic neuropathy: cardiovascular, hormonal, and metabolic studies. Hilsted J. **NY State J Med** 1982 May;82(6):892–903 (110 ref.)

Hormonal secretion in diabetic autonomic neuropathy. Vinik AI, et al. **NY State J Med** 1982 May;82(6):871–86 (117 ref.)

Diabetic neuropathy: peripheral and autonomic syndromes. Clements RS Jr, et al. **Postgrad Med** 1982 Jun;71(6):50–2, 55–7, 60–7 (21 ref.)

[Influence of metabolic control on peripheral diabetic neuropathy (author's transl)] Conte-Devolx B, et al. **Nouv Presse Med** 1981 Oct 31;10(39):3221–3 (Eng. Abstr.) **(Fre)**

RADIOGRAPHY

The View Box: diabetic gastric neuropathy. Mann H. **Del Med J** 1982 Feb;54(2):111–2

Neuropathy, angiopathy, and sepsis in the diabetic foot. Part two: angiography. Arenson DJ, et al. **J Am Podiatry Assoc** 1981 Dec;71(12):661–5

The radiological residua of healed diabetic arthropathies. Reinhardt K. **Skeletal Radiol** 1981;7(3):167–72

RADIONUCLIDE IMAGING

Technetium and combined gallium and technetium scans in the neurotrophic foot. Hetherington VJ. **J Am Podiatry Assoc** 1982 Sep;72(9):458–63

THERAPY

Early treatment of diabetic neuropathy. Zhong XL, et al. **Chin Med J [Engl]** 1981 Aug;94(8):503–8

Office care of the insensitive foot. Jacobs RL, et al. **Foot Ankle** 1982 Jan;2(4):230–7

Therapy of diabetic peripheral neuropathy. Dipalma JR. **Geriatrics** 1982 Jul;37(7):43–6

How to treat the diabetic foot. Owen JA Jr. **Geriatrics** 1982 Mar;37(3):57–8, 63–4, 69

Importance of control of diabetes [letter] Vandenbussche E, et al. **J Pediatr** 1982 Apr;100(4):672–3

[Treatment of diabetic encephalopathy at Mirgorod health resort] Vesel'skiĭ ISh, et al. **Vopr Kurortol Fizioter Lech Fiz Kult** 1982 May–Jun; (3):58–9 **(Rus)**

VETERINARY

Electrodiagnostic analysis of peripheral neuropathy in dogs with diabetes mellitus. Steiss JE, et al. **Am J Vet Res** 1981 Dec;42(12):2061–4

DIABETIC RETINOPATHY

Worsening of diabetic retinopathy with strict control of blood sugar [letter] Hooymans JM, et al. **Lancet** 1982 Aug 21;2(8295):438

BLOOD

Platelet aggregation and reversible platelet aggregates in type I-diabetes staged by retinal fluorescein angiography. Silberbauer K, et al. **Atherosclerosis** 1981 Aug–Sep; 40(1):81–90

N-acetyl beta-D-glucosaminidase and alpha-L-fucosidase activities in relation to glycosylated hemoglobin levels and to retinopathy in diabetes. Miralles JM, et al. **Clin Chim Acta** 1982 Jun 3;121(3):373–8

Increased plasma renin activity in type 1 diabetes with microvascular disease. Drury PL, et al. **Clin Endocrinol (Oxf)** 1982 May;16(5):453–61

Blood viscosity, glycaemic control and retinopathy in insulin-dependent diabetes. Poon PY, et al. **Clin Sci** 1982 Aug;63(2):211–6

Plasma C-peptide in long-standing type 1 diabetics with and without microvascular disease. Bodansky HJ, et al. **Diabete Metab** 1981 Dec;7(4):265–9

Low density lipoprotein cholesterol: an association with the severity of diabetic retinopathy. Dornan TL, et al. **Diabetologia** 1982 Mar;22(3):167–70

Metabolic control and serum hormone levels in relation to retinopathy in diabetic pregnancy. Larinkari J, et al. **Diabetologia** 1982 May;22(5):327–32

Studies of retinopathy and the plasma co-factor of platelet hyperaggregation in type 1 (insulin-dependent) diabetic children. Levin RD, et al. **Diabetologia** 1982 Jun; 22(6):445–9

A follow-up study of plasma beta-N-acetylglucosaminidase activity and diabetic retinopathy--observed for 2 years. Lee Y, et al. **Endocrinol Jpn** 1982 Feb;29(1):77–80

Platelet aggregation in diabetic retinopathy. Khosla PK, et al. **Indian J Ophthalmol** 1981 OCT;29(3):277–82

Hemoglobin AIc and red cell oxygen release capacity in relation to early retinal changes in newly discovered overt and chemical diabetics. Ditzel J, et al. **Metabolism** 1979 Apr;28(4 Suppl 1):440–7

Evaluation of platelet kinetics and some coagulation parameters in diabetic retinopathy. Sacchi S, et al. **Panminerva Med** 1981 Jan–Mar;23(1):21–4

Hemoglobin A1c and diabetic retinopathy. Dieckert JP. **Tex Med** 1982 Jun;78(6):59–62

[Glycosylated hemoglobin and clinical estimate of the degree of control of diabetes. Relations to glycemia, cholesterolemia, triglyceridemia, duration of diabetes and retinopathy. Study of 85 children and adolescents] Dorchy H, et al. **Ann Pediatr (Paris)** 1982 May;29(5):319–26 (Eng. Abstr.) **(Fre)**

[Effects of gliclazide and glibenclamide on platelet function, fibrinolysis and metabolic control in diabetic patients with retinopathy (author's transl)] Chan TK, et al. **Sem Hop Paris** 1982 May 13;58(19):1197–200 (Eng. Abstr.) **(Fre)**

[Platelet function in diabetes with different degrees of retinopathy] Pluta A, et al. **Pol Tyg Lek** 1981 Jul 27; 36(30):1135–7 (Eng. Abstr.) **(Pol)**

CLASSIFICATION

Ocular lesions of diabetic retinopathy: a computer documentation by correspondence factor analysis. Brouard N, et al. **Med Inf (Lond)** 1981 Oct–Dec;6(4):235–7

[Results of a discussion on the classification of diabetic retinopathy] **Oftalmol Zh** 1981;36(7):426–8 **(Rus)**

[Classification of diabetic changes in the fundus oculi] Il'kov LN. **Oftalmol Zh** 1981;36(6):372–4 **(Rus)**

COMPLICATIONS

Rarity of diabetic retinopathy in patients with acromegaly. Ballintine EJ, et al. **Arch Intern Med** 1981 Nov; 141(12):1625–7

Asteroid hyalosis. Biomicroscopy, ultrastructure, and composition. Topilow HW, et al. **Arch Ophthalmol** 1982 Jun;100(6):964–8

Progressive retinopathy with improved control in diabetic dwarfism (Mauriac's syndrome). Daneman D, et al. **Diabetes Care** 1981 May–Jun;4(3):360–5

Cardiac autonomic dysfunction in patients with diabetic retinopathy. Smith SE, et al. **Diabetologia** 1981 Dec; 21(6):525–8

Vitrectomy. Abraham C, et al. **Indian J Ophthalmol** 1981 Dec;29(4):359–62

Devices to achieve self–care in blind diabetic patients with renal failure. Flynn CT. **Int J Artif Organs** 1982 May; 5(3):137–9

Cystoid macular edema in vitreo–retinal traction. Wolter JR. **Ophthalmic Surg** 1981 Dec;12(12):900–4

Filtering valve implant for neovascular glaucoma in proliferative diabetic retinopathy. Folberg R, et al. **Ophthalmology (Rochester)** 1982 Mar;89(3):286–9

Diabetic retimopathy in Cushing's disease. Cassar J, et al. **Postgrad Med J** 1981 Oct;57(672):645–6

[Two–color thresholds in diabetic: preliminary study] Saracco JB, et al. **Bull Soc Ophtalmol Fr** 1982 Feb; 82(2):161–7 (Eng. Abstr.) **(Fre)**

[The role of saturation in color vision tests used for diabetics] Saracco JB, et al. **Bull Soc Ophtalmol Fr** 1981 Jun–Jul; 81(6–7):561–7 (Eng. Abstr.) **(Fre)**

[Factors provoking the development of rubeosis iridis after vitrectomy in diabetics (author's transl)] Klemen UM, et al. **Klin Monatsbl Augenheilkd** 1981 Dec;179(6):505–7 (Eng. Abstr.) **(Ger)**

[Vitreous body hemorrhage in diabetic retinopathy: clinical course with and without vitrectomy] Koerner F. **Klin Monatsbl Augenheilkd** 1982 May;180(5):394–9 (Eng. Abstr.) **(Ger)**

[Diabetic retinopathy as a cause of blindness in social aspect (author's transl)] Kęcik T, et al. **Klin Oczna** 1981 Jul–Sep; 83(7–8):377–8 (Eng. Abstr.) **(Pol)**

[Ocular diseases in diabetes mellitus] Harnagea E, et al. **Rev Chir [Oftalmol]** 1981 Jul–Sep;25(3):187–9 (Eng. Abstr.) **(Rum)**

[Possibility of eliminating risk factors influencing degenerative retinal diseases] Popa DP, et al. **Rev Chir [Oftalmol]** 1981 Apr–Jun;25(2):91–4 (Eng. Abstr.) **(Rum)**

DIAGNOSIS

Fluorescence angiography of the paramacular retinal vessels and altered glomerular basement membrane in children with juvenile onset diabetes mellitus. Lubec G, et al. **Acta Diabetol Lat** 1982 Jan–Mar;19(1):15–21

Diabetes mellitus for 58 years without development of retinopathy [letter] Nielsen NV, et al. **Acta Diabetol Lat** 1981 Jul–Sep;18(3):285–7

The effect of pregnancy on the natural course of diabetic retinopathy. Moloney JB, et al. **Am J Ophthalmol** 1982 Jun;93(6):745–56

Vitreous variation in vitreous fluorophotometry. Ross S, et al. **Ann Ophthalmol** 1982 Mar;14(3):245–9

Diabetic complications: retinopathy. Watkins PJ. **Br Med J [Clin Res]** 1982 Aug 7;285(6339):425–7

Glucose and glucagon do stimulate somatostatin release from isolated pancreatic islets [letter] Daley MS, et al. **Diabetologia** 1981 Sep;21(3):238–9

Diabetic retinopathy [editorial] Skyler JS. **JAMA** 1982 Jun 18;247(23):3246–7

Diagnosis of diabetic eye disease. Sussman EJ, et al. **JAMA** 1982 Jun 18;247(23):3231–4

Retinopathy in adolescents and young adults with onset of insulin–dependent diabetes in childhood. Jackson RL, et al. **Ophthalmology (Rochester)** 1982 Jan;89(1):7–13

[Diabetic retinopathy and pregnancy] Colin J, et al. **Bull Soc Ophtalmol Fr** 1981 Jun–Jul;81(6–7):697–700 (Eng. Abstr.) **(Fre)**

[Regional cutaneous impregnation following a fluorescein injection] François JH, et al. **Bull Soc Ophtalmol Fr** 1981 Jun–Jul;81(6–7):671–3 (Eng. Abstr.) **(Fre)**

[Acute panendothelial retinal leakage in juvenile diabetes (author's transl)] Bonnet M, et al. **J Fr Ophtalmol** 1982; 5(5):303–16 (Eng. Abstr.) **(Fre)**

[Diabetics with proliferative retinopathy of unusual course (author's transl)] Fischer F. **Dtsch Z Verdau Stoffwechselkr** 1982;42(2–3):94–8 (Eng. Abstr.) **(Ger)**

[Activity of the main plasma enzymes of lipid metabolism in diabetic retinopathies] Gol'tseva SV, et al. **Oftalmol Zh** 1981;36(7):418–20 (Eng. Abstr.) **(Rus)**

[The significance of examining macular sensitivity using Friedmann's static perimetry in diabetes with early angiopathy] Tomović J, et al. **Srp Arh Celok Lek** 1981 Mar; 109(3):371–5 **(Scc)**

[New methods may determine prognosis in glaucoma and diabetic retinopathy] Ehinger B. **Lakartidningen** 1981 Sep 16;78(38):3258 **(Swe)**

[The measures for eye control in diabetes] Jerneld B, et al. **Lakartidningen** 1982 Mar 10;79(10):893–6 **(Swe)**

DRUG THERAPY

[Early results in the treatment of insulin–dependent diabetics by a permanent insulin pump] Orsoni–Dupont C. **Bull Soc Ophtalmol Fr** 1982 Apr;82(4):485–90 (Eng. Abstr.) **(Fre)**

[Effect of chromocarbe diethylamine in the treatment of diabetic retinopathy] Soyeux A, et al. **Bull Soc Ophtalmol Fr** 1981 Oct;81(10):783–5 **(Fre)**

[Anticoagulant therapy in diabetic retinopathy] Cathelineau G. **Diabete Metab** 1982 Jun;8(2):173–4 **(Fre)**

[Urokinase therapy in diabetic retinopathy (author's transl)] Kojima K, et al. **Nippon Ganka Gakkai Zasshi** 1981 Dec 10;85(12):2108–14 (Eng. Abstr.) **(Jpn)**

[Trials of trental in treatment of diabetic angiopathy (author's transl)] Hermel B, et al. **Klin Oczna** 1981 Apr–May; 83(4–5):255–6 (Eng. Abstr.) **(Pol)**

[Post–therapeutic results in diabetic retinopathy] Vasinca M, et al. **Rev Chir [Oftalmol]** 1980 Jul–Sep;24(3):233–5 **(Rum)**

ETIOLOGY

Oscillatory potential and nyctometry in insulin–dependent diabetics. Frost–Larsen K, et al. **Acta Ophthalmol (Copenh)** 1980 Dec;58(6):879–88

The value of the oscillatory potential in selecting juvenile diabetics at risk of developing proliferative retinopathy. Simonsen SE. **Acta Ophthalmol (Copenh)** 1980 Dec; 58(6):865–78

Diabetic retinopathy. Walter CJ. **Aust J Ophthalmol** 1981 May;9(2):168–9

HLA antigens and other risk factors in the development of retinopathy in type 1 diabetes. Gray RS, et al. **Br J Ophthalmol** 1982 May;66(5):280–5

[Eye complications in diabetes mellitus] Laatikainen L. **Duodecim** 1981;97(12):898–907 **(Fin)**

[Role of immunopathological and age factors in the pathogenesis of diabetic retinopathies] Kashintseva LT, et al. **Oftalmol Zh** 1982;37(1):17–21 (Eng. Abstr.) **(Rus)**

[Role of retinal hemodynamics in the pathogenesis of proliferative diabetic retinopathy] Glukhoded SV, et al. **Vestn Oftalmol** 1981 Jul–Aug;(4):71–3 (43 ref.) **(Rus)**

FAMILIAL & GENETIC

HLA association with diabetic retinopathy – fact or fancy [letter] Bodansky HJ, et al. **Diabetologia** 1981 May; 20(5):585

IMMUNOLOGY

Analysis of HLA antigen association with proliferative diabetic retinopathy. Johnston PB, et al. **Br J Ophthalmol** 1982 May;66(5):277–9

Ocular deposits of immunoglobulin in diabetic retinopathy [letter] Melato M, et al. **Can J Ophthalmol** 1982 Feb; 17(1):45–6

HLA and retinopathy in type 1 (insulin–dependent) diabetic patients in Iceland [letter] Danielsen R, et al. **Diabetologia** 1982 Apr;22(4):297–8

A review of HLA antigens in longstanding IDDM with and without severe retinopathy. Christy M, et al. **Horm Metab Res [Suppl]** 1981;11:73–7

Association of HLA antigens with severity of diabetic retinopathy in Southern Germany. Standl E, et al. **Horm Metab Res [Suppl]** 1981;11:81–6

[Islet–cell antibodies and organ–specific antibodies in diabetic children and adolescents. Relationship with age, age at onset, duration of diabetes, residual insulin secretion and retinopathy (author's transl)] Dorchy H, et al. **Nouv Presse Med** 1981 Sep 26;10(34):2795–8 (Eng. Abstr.) **(Fre)**

[Reactivity of peripheral blood lymphocytes in diabetic retinopathy] Usov NI, et al. **Oftalmol Zh** 1981;36(5):284–7 (Eng. Abstr.) **(Rus)**

METABOLISM

Lipid peroxidation in diabetic rat retina. Murata T, et al. **Metab Pediatr Ophthalmol** 1981;5(2):83–7

OCCURRENCE

Diabetic retinopathy and its relation to type of diabetes: review of a retinal clinic population. Bodansky HJ, et al. **Br J Ophthalmol** 1982 Aug;66(8):496–9

Diabetic retinopathy in Lesotho. Gordon YJ, et al. **Doc Ophthalmol** 1981 Jul 15;51(3):193–8

Vascular complications in non–insulin–dependent diabetes in the young. Jialal I, et al. **S Afr Med J** 1982 Jul 31; 62(6):155–7

[Diabetic retinopathy in Tunisia. Apropos of 200 cases] Ayed S, et al. **Tunis Med** 1981 Sep–Oct;59(5):355–7 (Eng. Abstr.) **(Fre)**

[Data on ocular complications of juvenile diabetes] Cânciu G. **Rev Chir [Oftalmol]** 1981 Jul–Sep;25(3):169–73 (Eng. Abstr.) **(Rum)**

[Do estrogenic hormones influence the evolution of diabetic retinopathy?] Segal N, et al. **Rev Chir [Oftalmol]** 1981 Oct–Dec;25(4):257–60 (Eng. Abstr.) **(Rum)**

PATHOLOGY

Prognostic value of vitreous findings in diabetic retinopathy. Jalkh A, et al. **Arch Ophthalmol** 1982 Mar;100(3):432–4

Actin filaments in diabetic fibrovascular preretinal membrane. Wallow IH, et al. **Arch Ophthalmol** 1981 Dec; 99(12):2175–81

Diabetic maculopathies. Stevens TS. **Int Ophthalmol Clin** 1981 Fall;21(3):11–26

Effect of pregnancy on diabetic retinopathy. Dibble CM, et al. **Obstet Gynecol** 1982 Jun;59(6):699–704

[Venous omega–shaped little bow in diabetic retinopathy (author's transl)] Morán M. **Cesk Oftalmol** 1981;37(6):444–7 (Eng. Abstr.) **(Cze)**

[Making the scores on diabetic retinal changes for statistical analysis (author's transl)] Fukuda M, et al. **Nippon Ganka Gakkai Zasshi** 1981;85(7):656–67 (Eng. Abstr.) **(Jpn)**

[Structure of the inner retinal surface in simple diabetic retinopathy (author's transl)] Kishi S, et al. **Nippon Ganka Gakkai Zasshi** 1981;85(7):684–96 (Eng. Abstr.) **(Jpn)**

[Pathogenetic factors for onset of neovascularization in diabetic retinopathy (author's transl)] Niki T, et al. **Nippon Ganka Gakkai Zasshi** 1981;85(7):668–83 (Eng. Abstr.) **(Jpn)**

[Clinical studies on macular changes in diabetic retinopathy. Part 1. The classification and macular changes of diabetic retinopathy (author's transl)] Sato Y, et al. **Nippon Ganka Gakkai Zasshi** 1981 Sep 10;85(9):1468–74 (Eng. Abstr.) **(Jpn)**

PHYSIOPATHOLOGY

Study of pituitary secretion in relation to retinopathy in patients with juvenile diabetes mellitus. Cerasola GA, et al. **Acta Diabetol Lat** 1981 Oct–Dec;18(4):319–28

The blood–retinal barrier permeability in diabetic patients. Krogsaa B, et al. **Acta Ophthalmol (Copenh)** 1981 Oct; 59(5):689–94

Growth hormone responses to the stimulation of hypothalamic glucoreceptors in diabetic retinopathy. Effects of catecholamine precursors and dopamine antagonists. Schaub C, et al. **Arch Neurol** 1982 May; 39(5):264–9

Prolongation of the retinal mean circulation time in diabetes. Blair NP, et al. **Arch Ophthalmol** 1982 May;100(5):764–8

Visual outcome in moderate and severe proliferative diabetic retinopathy. Spencer R, et al. **Arch Ophthalmol** 1981 Sep; 99(9):1551–4

Contrast sensitivity in diabetic subjects with and without retinopathy. Ghafour IM, et al. **Br J Ophthalmol** 1982 Aug; 66(8):492–5

Aspirin, dipyridamole and platelet survival in patients with diabetes mellitus. Tindall H, et al. **Clin Sci** 1982 Aug; 63(2):205–9

Effects of medication on blood and plasma viscosity in diabetic subjects with retinopathy. Barras JP, et al. **Horm Metab Res [Suppl]** 1981;11:120–3

Von Willebrand factor, diabetes mellitus and retinopathy. Paton RC, et al. **Horm Metab Res [Suppl]** 1981;11:55–8

Platelet abnormalities as related to diabetic retinopathy (with special reference to platelet shape change). Porta M, et al. **Horm Metab Res [Suppl]** 1981;11:50–4

Effect of metabolic control and concomitant diseases upon the rheology of blood in different states of diabetic retinopathy. Volger E. **Horm Metab Res [Suppl]** 1981; 11:104–7

Effect of 6 months of strict metabolic control on eye and kidney function in insulin–dependent diabetics with background retinopathy. Steno study group. **Lancet** 1982 Jan 16;1(8264):121–4

[Clinical correlation between rubeosis iridis and optic disc neovascularization (author's transl)] Bonnet M, et al. **J Fr Ophtalmol** 1981;4(5):405–10 (Eng. Abstr.) **(Fre)**

[Automated perimetry in diabetic retinopathy] Greite JH, et al. **Buch Augenarzt** 1982;90:34–8 (Eng. Abstr.) **(Ger)**

[Androgen regulation in patients with diabetic retinopathy] Schreiber G, et al. **Z Gesamte Inn Med** 1981 Dec 1; 36(23):924–6 (Eng. Abstr.) **(Ger)**

[First flash and second flash ERPs (early receptor potentials) in diabetic retinopathy (author's transl)] Tamai A, et al. **Nippon Ganka Gakkai Zasshi** 1982;86(5):484–8 (Eng. Abstr.) **(Jpn)**

[Effects of oral administration of kallidinogenase (onokrein . P) on the oscillatory potential in the scotopic ERG in diabetic retinopathy (author's transl)] Tamai A, et al. **Nippon Ganka Gakkai Zasshi** 1981 Oct 10;85(10):1814–20 **(Jpn)**

[Diabetic retinopathy] Zygulska–Mach H, et al. **Folia Med Cracov** 1981;23(1):47–66 (Eng. Abstr.) **(Pol)**

[HLA antigens, hormonal profile and insulin antibodies in insulin–dependent diabetes mellitus with retinopathy] Vasiukova EA, et al. **Klin Med (Mosk)** 1981 Nov; 59(11):42–6 (Eng. Abstr.) **(Rus)**

[Phasic structure of thrombocyte aggregation in diabetic retinopathy] Dudnikova LK, et al. **Oftalmol Zh** 1982; 37(1):37–41 (Eng. Abstr.) **(Rus)**

PREVENTION & CONTROL

New findings in diabetic retinopathy [news] Check WA. **JAMA** 1981 Dec 18;246(24):2792–4

Effect of strict diabetic control on eye and kidney function [letter] Hockaday TD. **Lancet** 1982 Feb 13;1(8268):397

Sorbinil protection of lens protein components and cell hydration during diabetic cataract formation. Beyer–Mears A, et al. **Pharmacology** 1982;24(3):193–200

[Controlled clinical trial of the effect of aspirin and aspirin + dipyridamole on the development of diabetic retinopathy. I. General protocol. From the DAMAD Study Group (author's transl)] **Diabete Metab** 1982 Jun;8(2):91–6 (Eng. Abstr.) **(Fre)**

RADIOGRAPHY

Reversal of complications of diabetes mellitus with improved metabolic control [letter] Dorchy D, et al. **J Pediatr** 1982 Feb;100(2):337–8

Diabetic retinopathy: diagnosis and management. Haskins GE, et al. **Nebr Med J** 1982 Feb;67(2):23–6

RADIOTHERAPY

[[Stereo GIHF-indications in failure of treatment of proliferative diabetic retinopathy by pan retinal photocoagulation] Constantinides G, et al. **Bull Soc Ophtalmol Fr** 1982 Apr;82(4):603–4 (Eng. Abstr.) **(Fre)**

SURGERY

Using a bandage contact lens to prevent recurrent corneal erosion during photocoagulation in patients with diabetes. Arentsen JJ, et al. **Am J Ophthalmol** 1981 Nov;92(5):714–6

Efficacy of argon laser photocoagulation in the treatment of circinate diabetic retinopathy. Reeser F, et al. **Am J Ophthalmol** 1981 Dec;92(6):762–7

Cryocoagulation for proliferative diabetic retinopathy. Bergen RL, et al. **Ann Ophthalmol** 1980 Oct;12(10):1209–10

Panretinal laser photocoagulation with wide-angle fundus contact lens. Blankenship GW. **Ann Ophthalmol** 1982 Apr; 14(4):362–3

Pars plana vitrectomy. Heinze J. **Aust J Ophthalmol** 1981 Nov;9(4):325–30 (2 ref.)

A comparative trial of xenon arc and argon laser photocoagulation in the treatment of proliferative diabetic retinopathy. Plumb AP, et al. **Br J Ophthalmol** 1982 Apr; 66(4):213–8

Cryoretinopexy for proliferative diabetic retinopathy. Ramsay RC, et al. **Can J Ophthalmol** 1982 Feb;17(1):17–20

The present management of diabetic retinopathy. Braunstein RA, et al. **J Med Soc NJ** 1982 Mar;79(3):203–6

Air-fluid exchange in the treatment of vitreous hemorrhage during vitrectomy. Cohen BZ, et al. **Ophthalmic Surg** 1982 Jul;13(7):585–6

Increased retinal oxygen supply following pan-retinal photocoagulation and vitrectomy and lensectomy. Stefansson E, et al. **Trans Am Ophthalmol Soc** 1981; 79:307–34

Photocoagulation as treatment for severe diabetic retinopathy. Hunt S, et al. **Trans Med Soc Lond** 1979;95:60

[Argon lasers in the treatment of diabetic retinopathy at different stages of development. 9 years' experience] Tassinari G, et al. **Bull Mem Soc Fr Ophtalmol** 1981; 93:118–21 **(Fre)**

[Histological appearance of chorioretinal tissue 16 months after treatment of diabetic retinopathy with agron laser] Verougstraete C, et al. **Bull Soc Belge Ophtalmol** 1981; 192:23–36 **(Fre)**

[Diabetic retinopathy : results of retinal photocoagulation (a five-year follow-up) (author's transl)] Gibert C, et al. **J Fr Ophtalmol** 1981;4(10):629–36 (Eng. Abstr.) **(Fre)**

[Corneal sensitivity after photocoagulation for diabetic retinopathy] Riss B, et al. **Albrecht Von Graefes Arch Klin Exp Ophthalmol** 1981; 217(2):143–7 (Eng. Abstr.) **(Ger)**

[Indications for the operative treatment of diabetic retinopathy] Böke W. **Buch Augenarzt** 1982;(89):76–97 (Eng. Abstr.) **(Ger)**

[Coagulation therapy of proliferative diabetic retinopathy in juveniles (author's transl)] Gerke E, et al. **Klin Monatsbl Augenheilkd** 1981 Sep;179(3):157–60 (Eng. Abstr.) **(Ger)**

[Late results of pars plana vitrectomy in diabetics (author's transl)] Gnad HD, et al. **Klin Monatsbl Augenheilkd** 1981 Dec;179(6):508–11 (Eng. Abstr.) **(Ger)**

[Argon laser photocoagulation in proliferative diabetic retinopathy] Bálint K. **Orv Hetil** 1981 Mar 29; 122(13):757–60 **(Hun)**

[Morphological changes in the retina and choroid following photocoagulation (author's transl)] Deufrains A, et al. **Klin Oczna** 1981 Apr–May;83(4–5):201–2 **(Pol)**

[Retinal panphotocoagulation (author's transl)] Maciejewska J, et al. **Klin Oczna** 1981 Apr–May;83(4–5):207–8 (Eng. Abstr.) **(Pol)**

[Late results of xenon photocoagulation of retinal diabetic lesions (author's transl)] Zygulska-Machowa H, et al. **Klin Oczna** 1981 Apr–May;83(4–5):203–5 (Eng. Abstr.) **(Pol)**

[Removal of the vitreous body and laser interventions in complicated forms of diabetic retinopathy] Fedorov SN, et al. **Oftalmol Zh** 1982;37(1):44–7 (Eng. Abstr.) **(Rus)**

[Characteristics of cataract extraction in diabetic retinopathy] Rogozina RD. **Oftalmol Zh** 1981;36(7):436–8 **(Rus)**

[Photocoagulation is the most current therapy in the treatment of diabetic retinopathy] Törnquist R, et al. **Lakartidningen** 1982 Mar 10;79(10):889–92 **(Swe)**

THERAPY

Diabetic retinopathy: prompt detection and referral. **Drug Ther Bull** 1981 Oct 23;19(22):85–6

Course, prognosis and management of proliferative diabetic retinopathy. Siam AL. **Metab Pediatr Ophthalmol** 1981; 5(2):109–10

Diabetic retinopathy. Ffytche TJ. **Trans Med Soc Lond** 1980; 96:38–41

Vascular abnormalities in diabetes and their treatment. Kohner EM, et al. **Trans Ophthalmol Soc UK** 1980 Sep; 100(3):440–4

The early treatment diabetic retinopathy study. Rice TA. **Trans Pa Acad Ophthalmol Otolaryngol** 1982 Spring; 35(1):24–30

[Results of complex treatment of diabetic retinopathy] Belous VI. **Oftalmol Zh** 1981;36(5):315 **(Rus)**

DIACETYL see under **BUTANONES**

2,7-DIACETYLAMINOFLUORENE see under **ACETYLAMINOFLUORENE**

DIACETYLDIPHENYLUREA BISGUANYLHYDRAZONE see under **CARBANILIDES**

DIACETYLMORPHINE

Septic submacular choroidal embolus associated with intravenous drug abuse. Limaye SR, et al. **Ann Ophthalmol** 1982 Jun;14(6):518–22

Cervicothoracic complications of intravenous drug abuse. Merhar GL, et al. **Comput Tomogr** 1981 Oct–Dec; 5(4):271–82

Increasing incidence of Pseudomonas endocarditis among parenteral drug abusers. Rajashekaraiah KR, et al. **Drug Alcohol Depend** 1980 Oct;6(4):227–30

ADMINISTRATION & DOSAGE

A controlled comparison of the effects of extradural diamorphine and bupivacaine on plasma glucose and plasma cortisol in postoperative patients. Cowen MJ, et al. **Anesth Analg (Cleve)** 1982 Jan;61(1):15–8

Intrathecal heroin [letter] Kaufman L. **Lancet** 1981 Dec 12; 2(8259):1341–2

ADVERSE EFFECTS

The Neonatal Narcotic Withdrawal Index: a device for the improvement of care in the abstinence syndrome. Green M, et al. **Am J Drug Alcohol Abuse** 1981;8(2):203–13

Urinary catecholamines, plasma renin activity and blood pressure in newborns: effects of narcotic withdrawal. Dube SK, et al. **Dev Pharmacol Ther** 1981;3(2):83–7

Acute heroin abstinence in man. III. Effect upon waking and slow wave sleep. Howe RC, et al. **Drug Alcohol Depend** 1980 Oct;6(4):247–62

Studies in clinical liver disease. Miller DJ. **J Clin Gastroenterol** 1979 Mar;1(1):85–90

Bacillus cereus panophthalmitis: source of the organism. Shamsuddin D, et al. **Rev Infect Dis** 1982 Jan–Feb; 4(1):97–103

[Renal lesions caused by opiates] Caudare.la R, et al. **G Clin Med** 1982 Mar;63(3):176–84 (Eng. Abstr.) **(Ita)**

[Newborn infants of drug-addicted mothers. Review of the literature and report of personal cases] Menchini M, et al. **Pediatr Med Chir** 1982 Jan–Apr;4(1–2):119–25 (Eng. Abstr.) **(Ita)**

[Treatment with continuous transpulmonary pressure and with intermittent positive pressure respiration, through nasal cannulas, of a newborn girl with the narcotic withdrawal syndrome and apnea crisis] Paludetto R, et al. **Pediatria (Napoli)** 1982 Mar 31;90(1):17–24 (Eng. Abstr.) **(Ita)**

ANALYSIS

Combined use of fused silica capillary columns and nitrogen-phosphorus detection for the toxicological analysis of illicit heroin samples. Demedts P, et al. **J Anal Toxicol** 1982 Jan–Feb;6(1):30–3

Determination of morphine, diamorphine and their degradation products in pharmaceutical preparation by reversed-phase high-performance liquid chromatography. Beaumont I, et al. **J Chromatogr** 1982 Apr 23;238(2):520–4

[Acetylprocaine in heroin preparations. Determination and quantification with high pressure liquid chromatography] Bernhauer D, et al. **Arch Kriminol** 1982 Jan–Feb; 169(1–2):25–30 **(Ger)**

[Infrared spectroscopic determinations of mannitol] Toffel-Nadolny P. **Arch Kriminol** 1981 Nov–Dec; 168(5–6):133–8 (Eng. Abstr.) **(Ger)**

ANTAGONISTS & INHIBITORS

Heroin reward is dependent on a dopaminergic substrate. Bozarth MA, et al. **Life Sci** 1981 Nov 2;29(18):1881–6

CLASSIFICATION

Persian heroin in the San Francisco Bay area: 1977–1980. Inaba DS, et al. **Am J Drug Alcohol Abuse** 1981;8(1):123–9

ISOLATION & PURIFICATION

The separation and quantitation of the narcotic components of illicit heroin using reversed-phase high performance liquid chromatography. Baker PB, et al. **J Chromatogr Sci** 1981 Oct;19(10):483–9

PHARMACODYNAMICS

Opiate rewarding action: independence of the cells of the lateral hypothalamus. Britt MD, et al. **Brain Res** 1981 Oct 5;222(1):213–7

Heroin and morphine: aversive and analgesic effects in rats. Switzman L, et al. **Pharmacol Biochem Behav** 1981 Nov; 15(5):755–9

Heroin 'overdose' death: contribution of drug-associated environmental cues. Siegel S, et al. **Science** 1982 Apr 23; 216(4544):436–7

[Ultrastructural changes in hepatocytes of mice treated with heroin] Borgia G, et al. **Boll Soc Ital Biol Sper** 1982 Mar 30;58(6):344–8 (Eng. Abstr.) **(Ita)**

[Effect of heroin administration on MHV-3 virus experimental hepatitis in mice] Guadagnino V, et al. **Boll Soc Ital Biol Sper** 1981 May 30;57(10):1156–61 (Eng. Abstr.) **(Ita)**

POISONING

Heroin—induced pulmonary edema. Breemhaar L. **Acta Tuberc Pneumol Belg** 1979 Jul–Dec;70(3–4):273–80

Treatment of heroin overdose with endotracheal naloxone. Tandberg D, et al. **Ann Emerg Med** 1982 Aug;11(8):443–5

Opiate toxicity in elderly patients. Caradoc-Davies TH. **Br Med J [Clin Res]** 1981 Oct 3;283(6296):905–6

Placental transfer of narcotic analgesics in man. Cravey RH, et al. **Clin Toxicol** 1981 Aug;18(8):911–4

['Heroin' leuko-encephalopathy: spongiform leukomyeloencephalopathy following inhalation of the pyrolysate of impure heroin] Wolters EC, et al. **Ned Tijdschr Geneeskd** 1982 Mar 20;126(12):508–14 (Eng. Abstr.) **(Dut)**

THERAPEUTIC USE

Morphine and diamorphine in the terminally ill patient. Twycross RG. **Acta Anaesthesiol Scand [Suppl]** 1982; 74:128–34

Postoperative analgesia in major orthopaedic surgery. Epidural and intrathecal opiates. Barron DW, et al. **Anaesthesia** 1981 Oct;36(10):937–41

Epidural diamorphine and fentanyl for postoperative pain [letter] Houlton PG, et al. **Anaesthesia** 1981 Dec; 36(12):1144–5

Heroin prolongs survival time and retards tumor growth in mice with neuroblastoma. Zagon IS, et al. **Brain Res Bull** 1981 Jul;7(1):25–32

Extradural diamorphine in the control of pain following lumbar laminectomy. Teddy PJ, et al. **J Neurol Neurosurg Psychiatry** 1981 Dec;44(12):1074–8

U.S. trials show heroin not superior to morphine [news] Bolsen B. **JAMA** 1982 May 14;247(18):2471

Heroin, morphine found comparable as pain-killer [news] Sun M. **Science** 1982 Apr 16;216(4543):277

DIAGNOSIS

Wilson's law of diminishing returns [editorial] Schreiber MH. **AJR** 1982 Apr;138(4):786–8

Bayes' formula. Conditional probability and clinical medicine. Brown GW. **Am J Dis Child** 1981 Dec;135(12):1125–9

Help with diagnostic decisions [editorial] Williams SV, et al. **Ann Intern Med** 1982 Sep;97(3):444–5

Some cognitive components of the diagnostic thinking process. Gale J. **Br J Educ Psychol** 1982 Feb;52(Pt 1):64–76

Structuring medical records and constructing a Weaver index: a three-year project. Stott PC. **Br Med J [Clin Res]** 1982 Jul 3;285(6334):27–9

Managing uncertainty in family practice. Biehn J. **Can Med Assoc J** 1982 Apr 15;126(8):915–7

T. Duckett Jones Memorial Lecture. The Jones criteria and the challenges of clinimetrics. Feinstein AR. **Circulation** 1982 Jul;66(1):1–5

Diagnostic specificity and prevalence [letter] Fuentes J. **Clin Chem** 1981 Dec;27(12):2072–3

Clinical medicine as a hard science. Davidoff F. **Clin Invest Med** 1981;4(1):57–81

Biomedical image processing. Huang HK. **CRC Crit Rev Bioeng** 1981;5(3):185–271 (172 ref.)

Guidelines for the determination of death. Report of the medical consultants on the diagnosis of death to the President's Commission for the Study of Ethical Problems in Medicine and Biomedical and Behavioral Research. **Crit Care Med** 1982 Jan;10(1):62–4

Clinical noninvasive technology and its applicability to pediatrics in the developing countries. Vidyasagar D. **Indian Pediatr** 1981 Oct;18(10):691–3

Commentary: physician behavior in response to additional diagnostic information. Donabedian A. **Inquiry** 1982 Spring;19(1):89–90

Methodology for the assessment of new dichotomous diagnostic tests. Staquet M, et al. **J Chronic Dis** 1981; 34(12):599–610

Correlated symptoms and simulated medical classification. Medin DL, et al. **J Exp Psychol [Hum Learn]** 1982 Jan; 8(1):37–50

Correlated symptoms and simulated medical classification. Medin DL, et al. **J Exp Psychol [Learn Mem Cogn]** 1982 Jan;8(1):37–50

The diagnostic content of family practice: 50 most common diagnoses recorded in the WAMI community practices. Kirkwood CR, et al. **J Fam Pract** 1982 Sep;15(3):485–92

'Pseudodiagnosticity' in an idealized medical problem-solving environment. Kern L, et al. **J Med Educ** 1982 Feb;57(2):100–4

The logic of problem-solving in clinical diagnosis: a course for second-year medical students. Miller RA, et al. **J Med Educ** 1982 Jan;57(1):63–5

Gross anatomy and physical diagnosis: the first 'hands on' experience. Theut SK, et al. **J Med Educ** 1981 Oct;

56(10):862–3
Knowledge, realism, and diagnostic reasoning in a physical diagnosis course. Voytovich AE, et al. **J Med Educ** 1982 Jun;57(6):461–7
Mothers' appreciation of their children's symptoms. Pattison CJ, et al. **J R Coll Gen Pract** 1982 Mar;32(236):149–62
Your practice is you. Reflections of a diagnostician. An interview with B. Harvey Minchew, MD. Minchew BH. **JAMA** 1982 Apr 2;247(13):1815–8
Sensitivities and specificities of diagnostic tests [letter] Swets JA. **JAMA** 1982 Aug 6;248(5):548–50
Algorithms for the clinician [editorial] **Lancet** 1982 Sep 4; 2(8297):528–9
Clinical problem solving: the beginning of the process. Gale J, et al. **Med Educ** 1982 Jan;16(1):22–6
Good vibrations: Abrams's oscilloclast and the instrumental cure. Roth N. **Med Instrum** 1981 Nov–Dec;15(6):383–4
Poker machine pathology: Are all those special investigations giving us better medicine? Isbister JP. **Med J Aust** 1981 Nov 28;2(11):609–10
Look into my eyes. Iridology exposed. Stark DJ. **Med J Aust** 1981 Dec 12–26;2(12–13):676–9
The art of diagnosis [letter] **N Engl J Med** 1982 Oct 7; 307(15):957–8
Pathology and probabilities [letter] **N Engl J Med** 1982 Feb 4;306(5):303–5
The art of diagnosis: solving the clinicopathological exercise. Eddy DM, et al. **N Engl J Med** 1982 May 27;306(21):1263–8
Dethroning the detective theory of diagnosis. Riegelman RK. **Postgrad Med** 1981 Nov;70(5):239–41, 244
Prediction and diagnosis: an experimental comparison. Björkman M, et al. **Scand J Psychol** 1982;23(1):17–22
Confounding as a result of differential diagnosis. Olsen J. **Scand J Soc Med** 1982;10(1):23–6
NMR imaging in medicine. Pykett IL. **Sci Am** 1982 May; 246(5):78–88
The Agent Orange controversy—physician's dilemma. Horvath EP Jr. **Wis Med J** 1981 Mar;80(3):16–8
[Diagnostic examinations as a function of morbidity] Rasmussen SN. **Nord Med** 1982 Mar;97(3):88–9 **(Dan)**
[ROC Receiver Operating Characteristic in the evaluation of the correctness of diagnostic examinations] Christensen B, et al. **Ugeskr Laeger** 1981 Jul 20;143(30):1892–4 (Eng. Abstr.) **(Dan)**
[The predictive value of a diagnostic course consisting of more than one examination] Christensen B. **Ugeskr Laeger** 1981 Jul 20;143(30):1890–2 (Eng. Abstr.) **(Dan)**
[Reliability of diagnostic examination] Christensen B, et al. **Ugeskr Laeger** 1981 Jul 20;143(30):1894–7 (Eng. Abstr.) **(Dan)**
[Diagnosis and disease classification in general practice. A review of literature with comments] Nørrelund N. **Ugeskr Laeger** 1981 Jul 6;143(28):1793–6 **(Dan)**
[The process of reasoning of trainee assistants during their clinical duties. A study of the ability to use medical knowledge in a clinical strategy (author's transl)] Verhey JB. **Tijdschr Diergeneeskd** 1982 Jun 1;107(11):422–7 **(Dut)**
[Predictive value of diagnostic procedures] Köbberling J. **Dtsch Med Wochenschr** 1982 Apr 16;107(15):591–5 **(Ger)**
[The importance of autopsy in present-day medicine, II. Clinical autopsy] Breitfellner G, et al. **Pathologe** 1982 Mar; 3(2):61–5 **(Ger)**
[Autopsies with unsatisfactory results] Bellwald M. **Schweiz Med Wochenschr** 1982 Jan 16;112(3):75–82 (Eng. Abstr.) **(Ger)**
[Diagnostic key for intensive care patients: combination of clinical parameters with laboratory findings] Laggner A, et al. **Schweiz Med Wochenschr** 1982 Jul 6; 112(27–28):1002–5 (Eng. Abstr.) **(Ger)**
[Diagnostic standards in surgical diseases with special reference to outpatient diagnosis as a recommendation for specialists in general medicine] Grosse G, et al. **Z Arztl Fortbild (Jena)** 1981 Dec 1;75(23):1120–1 **(Ger)**
[The value of case records for a rational diagnosis] Spranger GD. **Z Arztl Fortbild (Jena)** 1981 Jul 15;75(14):654–7 **(Ger)**
[Unnecessary diagnosis–unnecessary therapy] Anschütz F, et al. **ZFA (Stuttgart)** 1981 Aug 31;57(24):1589–1600 **(Ger)**
[Sensitivity and specificity of diagnostic tests (editorial)] Marchi F. **G Ital Cardiol** 1981;11(3):293–6 (Eng. Abstr.) **(Ita)**
[Thoughts of a 'conservative' clinician on diagnostic methodology] Villa L. **Med Secoli** 1981 Jan–Apr; 18(1):43–51 **(Ita)**
[Correlations between clinical diagnosis and necroscopy in geriatric patients] Landra P, et al. **Minerva Med** 1981 Oct 32;72(42):2823–8 (Eng. Abstr.) **(Ita)**
[Pathologico anatomic diagnosis] Shmurin RI. **Arkh Patol** 1982;44(1):85–8 **(Rus)**
[Methodological problems of preliminary diagnosis] Germanov VA, et al. **Klin Med (Mosk)** 1981 Sep; 59(9):98–102 **(Rus)**
[Diagnostic and therapeutic algorithms in the training of students in internal medicine] Komarov FI, et al. **Klin Med (Mosk)** 1981 Nov;59(11):106–8 **(Rus)**
[Clinic–pathological comparisons today. Possibilities and limitations] Avtandilov GG. **Sov Med** 1982;(3):75–81 **(Rus)**
[Basic principles of diagnosis. Methodology of diagnosis in today's medicine] Chazov EI. **Ter Arkh** 1981;53(5):3–8 **(Rus)**
[Methodological aspects of the diagnosis of disease] Chazov EI. **Vestn Akad Med Nauk SSSR** 1981;(4):45–9 **(Rus)**
[Various methodologic aspects of diagnosis (using joint diseases as a model)] Pikhlak EG. **Vopr Revm** 1982 Apr–Jun;(2):3–9 **(Rus)**
[Analysis of a series of 500 clinical post mortem studies. II. Basic diagnosis (author's transl)] Bombi JA, et al. **Med Clin (Barc)** 1981 Sep 25;77(5):185–9 (Eng. Abstr.) **(Spa)**
[There are many shortages in the accuracy of chief physicians to diagnose and to expect the outcome] Agnhage K, et al. **Lakartidningen** 1982 Feb 24;79(8):630–2 (Eng. Abstr.) **(Swe)**

ADVERSE EFFECTS

Adverse effects of diagnostic tests. A study of the quality of reporting. Flegel K, et al. **Arch Intern Med** 1982 May; 142(5):883–7

INSTRUMENTATION

[Nuclear magnetic resonance: a future physical study method in pediatrics?] Guillet J, et al. **Pediatrie** 1981 Jun; 36(4):315–7 **(Fre)**

METHODS

New simple early diagnostic methods using Omura's 'Bi–Digital O–Ring Dysfunction Localization Method' and acupuncture organ representation points, and their applications to the 'drug & food compatibility test' for individual organs and to auricular diagnosis of internal organs—part I. Omura Y. **Acupunct Electrother Res** 1981; 6(4):239–54
Comments on the logistic function in ROC analysis: applications to breast cancer detection. Goin JE, et al. **Methods Inf Med** 1982 Jan;21(1):26–30
[The fuzzy set theory as a biomedical diagnostic aid (author's transl)] Bartolin R, et al. **Sem Hop Paris** 1982 Jun 3; 58(22):1361–5 (Eng. Abstr.) **(Fre)**

PSYCHOLOGY

The doctor–patient relationship [letter] **Ann Intern Med** 1982 Apr;96(4):527–8
Psychologically mediated effects of diagnostic tests. Sox HC Jr, et al. **Ann Intern Med** 1981 Dec;95(6):680–5

STANDARDS

[The correct use of clinical biology. General considerations] Delwaide PA. **Rev Med Liege** 1981 Mar 15;36(6):223–30 **(Fre)**

DIAGNOSIS, COMPUTER ASSISTED

Computer–assisted interpretation of orthogonal electrocardiograms and vectorcardiograms by the Louvain system. Brohet C, et al. **Acta Cardiol [Suppl] (Brux)** 1981; 26:19–28
A model of the cardiovascular regulation as a diagnostic tool in acute myocardial infarction. van Eyll C, et al. **Acta Cardiol [Suppl] (Brux)** 1981;26:69–72
Computer ECG analysis: a review. Willems JL. **Acta Cardiol [Suppl] (Brux)** 1981;26:11–7
Evaluation of data–base. Thomsen IS, et al. **Acta Psychiatr Scand** 1981 Oct;64(4):330–9
Impact of a cardiology data bank on physicians' prognostic estimates. Evidence that cardiology fellows change their estimates to become as accurate as the faculty. Goldman L, et al. **Arch Intern Med** 1981 Nov;141(12):1631–4
Clinical decision analysis by personal computer. Pauker SG, et al. **Arch Intern Med** 1981 Dec;141(13):1831–7
Birth defects: computer access to information. Cadien JD, et al. **Ariz Med** 1982 Mar;39(3):165–6
Application of a gas chromatography mass spectrometry computer system for clinical diagnosis. Mizuno T, et al. **Biomed Mass Spectrom** 1981 Dec;8(12):593–7
Microcomputer–based system for the detection and quantification of petit mal epilepsy. Principe JC, et al. **Comput Biol Med** 1982;12(2):87–95
The diagnostic value of pulmonary sounds: a preliminary study by computer–aided analysis. Urquhart RB, et al. **Comput Biol Med** 1981;11(3):129–39
Computer diagnosis in a vascular diagnostic laboratory. Lowenstein DH, et al. **Comput Biomed Res** 1981 Dec; 14(6):592–605
HELP–based decision analysis applied to coronary artery disease. Waki R, et al. **Comput Biomed Res** 1982 Apr; 15(2):188–202
A computer program for selection of variables in diagnostic and prognostic problems. Habbema JD, et al. **Comput Programs Biomed** 1981 Sep–Dec;13(3–4):251–70
Computerized automated diagnosis of cerebellar syndromes. Cigánek L, et al. **Eur Neurol** 1981;20(4):351–4
Training in medical informatics. The use of computers for diagnostic purposes. Hasman A. **Int J Biomed Comput** 1982 Mar;13(2):109–18
A learning aid for DSM–III: computerized prompting of diagnostic criteria. Swartz CM, et al. **J Clin Psychiatry** 1981 Sep;42(9):359–61
Validation of a systems–actuarial computer process for multidimensional classification of child psychopathology. McDermott PA, et al. **J Clin Psychol** 1982 Jul;38(3):477–86
An experimental transformation of a large expert knowledge base. Goldberg RN, et al. **J Med Syst** 1982 Feb;6(1):41–52
The role of modeling methods in medical diagnosis. Lezotte D, et al. **J Med Syst** 1981;5(3):197–209
Computer interpretation of laboratory test results: an annotated bibliography. Winrich LB, et al. **J Med Syst** 1981;5(3):219–45
Bayes' theorem in ophthalmologic computer diagnosis. Leveille AS, et al. **J Pediatr Ophthalmol Strabismus** 1982 Mar–Apr;19(2):94–6
Computer–assisted medical decision–making: interest growing [news] Ziporyn T. **JAMA** 1982 Aug 27; 248(8):913–8
Heart disease program for school children and high school students in Osaka City: an introduction of computer assisted ECG analysis system as a screening tool. Uheda K, et al. **Jpn Circ J** 1981 Dec;45(12):1433–7
Correlation between body surface isopotential maps and left ventriculograms in patients with old anterior myocardial infarction. Ohta T, et al. **Jpn Heart J** 1981 Sep;22(5):747–61
A sequential diagnostic model for medical questioning. Kabasawa K, et al. **Med Inf (Lond)** 1981 Jul–Sep; 6(3):175–85
Knowledge representation and utilisation in a man–machine dialogue with a medical decision aid system. Joubert M, et al. **Methods Inf Med** 1982 Apr;21(2):59–64
The computer and clinical judgement [editorial] Barnett GO. **N Engl J Med** 1982 Aug 19;307(8):493–4
Computer quantitated evaluation of cardiac arrhythmias. Attuel P, et al. **PACE** 1981 Jan;4(1):23–35
Microcomputer controlled urodynamic diagnostic system. Roskar E, et al. **Prog Clin Biol Res** 1981;78:299–306
A microcomputer administered neuropsychological assessment system for use with chronic alcoholics. Acker W. **Subst Alcohol Actions Misuse** 1980;1(5–6):545–50
[Problem–oriented laboratory finding of acid–base balance (author's transl)] Blažej V, et al. **Cas Lek Cesk** 1982 Jan 22;121(3):78–82 (Eng. Abstr.) **(Cze)**
[The AZU computerized ECG system] Meijler FL, et al. **Ned Tijdschr Geneeskd** 1982 May 1;126(18):813–20 (Eng. Abstr.) **(Dut)**
[A psychiatric diagnostic system using a computer; French version of the DiaSika system. Initial results] Pichot P, et al. **Ann Med Psychol (Paris)** 1982 Jan;140(1):115–23 **(Fre)**
[Display and use of medical knowledge for man–machine communications using computerized medical decision–making] Joubert M, et al. **Med Inf (Lond)** 1982 Jan–Mar;7(1):7–17 **(Fre)**
[Acute abdominal pain syndrome. The computer as an aid to diagnosis (author's transl)] Flamant Y, et al. **Nouv Presse Med** 1981 Dec 19;10(46):3767–9 (Eng. Abstr.) **(Fre)**
[Abdominal emergencies: contribution of the computer] Maillard JN. **Nouv Presse Med** 1981 Dec 19;10(46):3765–6 **(Fre)**
[Diagnostic reliability and validity of the PSE/CATEGO–system (author's transl)] Bronisch T, et al. **Arch Psychiatr Nervenkr** 1982;231(3):269–81 (Eng. Abstr.) **(Ger)**
[Depiction of chorio–retinal anastomoses with the help of computer–assisted fluorescent angiography (author's transl)] Weigelin E, et al. **Klin Monatsbl Augenheilkd** 1981 Oct;179(4):254–6 (Eng. Abstr.) **(Ger)**
[Computer–aided diagnosis of bone tumours and tumour–like skeletal abnormalities in childhood (author's transl)] Fotter R. **ROFO** 1982 Jun;136(6):627–34 (Eng. Abstr.) **(Ger)**
[Linearization of relative operative characteristics (probit transformed ROC)] Neymeyer HG, et al. **Z Med Lab Diagn** 1982 Jan;23(1):8–12 (Eng. Abstr.) **(Ger)**
[Role of the digital technic in the study of radiological images] Antognetti PF. **Arch E Maragliano Patol Clin** 1980; 36:51–7 **(Ita)**
[Flexibility and increased reliability of a new program for computer analysis of the ECG] Feruglio GA, et al. **Boll Soc Ital Cardiol** 1980;25(8):921–8 **(Ita)**
[Computerized analysis of the changes in the R wave amplitude during exercise tests of normal subjects and coronary disease patients] Manca C, et al. **Boll Soc Ital Cardiol** 1980;25(5):495–501 (Eng. Abstr.) **(Ita)**
[Automation of the protocols of autopsy and of anatomical diagnoses: solutions and proposals] Battaglia S, et al. **Pathologica** 1982 Jan–Feb;74(1029):75–90 (Eng. Abstr.) **(Ita)**
[Automation in diagnostic cytology (author's transl)] Giacomini G, et al. **Pathologica** 1981 Jan–Feb;73(1023):3–10 (Eng. Abstr.) **(Ita)**
[The medical image from source to observer. The importance of the appraisal of its informative content for purposes of evaluating diagnostic performance] Fanfani G, et al. **Radiol Med (Torino)** 1982 May;68(5):391–9 **(Ita)**
[Use of ADP in intensive care medicine] Stadskleiv KJ. **Tidsskr Nor Laegeforen** 1982 Jan 20;102(2):107–10 (Eng. Abstr.) **(Nor)**
[Use of computers for detecting the dynamics of changes in the cardiac adaptation reserves of alcoholism patients treated with nonachlazine] Kaverina NV, et al. **Biull Eksp Biol Med** 1982 May;93(5):68–72 (Eng. Abstr.) **(Rus)**
[Automated collection of the anamnesis in mass screenings

(the example of oncological screening)] Zaseev VK, et al. **Med Tekh** 1981 Nov–Dec;(6):52–4 (Eng. Abstr.) **(Rus)**

[Mathematical methods in the prehospital diagnosis of bronchopulmonary diseases in children] Dubovka TN, et al. **Pediatriia** 1982 Jan;(1):41–3 (Eng. Abstr.) **(Rus)**

[Computer study of the frequency of clinical x-ray signs of tuberculosis, chronic pneumonia and lung cancer] Litvin LM. **Probl Tuberk** 1981 Jul;(7):20–3 (Eng. Abstr.) **(Rus)**

[Computer analysis of the physical loading test] Charchoglian RA, et al. **Sov Med** 1982;(1):3–7 (Eng. Abstr.) **(Rus)**

[Cybernetic approach to solving diagnostic tasks in diseases in the maxillofacial area] Burova SA. **Stomatologiia (Mosk)** 1982 May–Jun;61(3):48–51 **(Rus)**

[Logical and methodological problems of computer use in diagnosis] Tsaregorodtsev GI, et al. **Ter Arkh** 1981; 53(5):20–5 **(Rus)**

INSTRUMENTATION

Analysis of body functions using a clinical liquid chromatograph. Miyagi H, et al. **J Chromatogr** 1982 Apr 30;239:733–45

A monitoring and trending system and intracranial pressure. Anderson GB, et al. **Med Instrum** 1981 May–Jun; 15(3):191–4

[Experience in developing and using telemetric computer systems in cardiology] Chepaltis ZhV, et al. **Kardiologiia** 1981 Sep;21(9):112–5 (Eng. Abstr.) **(Rus)**

[Testing experience with an automatic ECG analysis system in the cardiology clinic] Korsakas SL, et al. **Kardiologiia** 1981 Sep;21(9):109–12 (Eng. Abstr.) **(Rus)**

[Cardiorhythmograph] Tsvetovskiĭ SB, et al. **Med Tekh** 1981 Nov–Dec;(6):49–52 (Eng. Abstr.) **(Rus)**

[Automated information collecting and processing system fed from multichannel radiodiagnostic devices] Zelenin PE, et al. **Med Tekh** 1981 Nov–Dec;(6):37–41 (Eng. Abstr.) **(Rus)**

METHODS

Initial findings in the computer-aided diagnosis of cerebral tumours using CT scan results. Wills K, et al. **Br J Radiol** 1981 Nov;54(647):948–52

Displaying clinical data from a time-oriented database. Blum RL. **Comput Biol Med** 1981;11(4):197–210

A methodology for construction of a multivariate diagnostic instrument: an application to alcohol abuse screening. Rawlings RR, et al. **Comput Biomed Res** 1982 Jun; 15(3):228–39

Differential diagnosis by weighting characteristic signs of two diseases. Reggio M. **Comput Biomed Res** 1981 Apr; 14(2):131–7

Computer-aided alcoholism diagnosis in obstetric-gynecologic medical settings. Lyons JP, et al. **Curr Alcohol** 1981;8:137–46

A computerized assessment program for forensic science evaluations: a preliminary report. Cavanaugh JL, et al. **J Forensic Sci** 1982 Jan;27(1):113–8

Correspondences between biomathematical and causal models for clinical decision making. Chokhani S. **J Med Syst** 1981;5(4):249–64

Evaluation of non-invasive examinations of coronary artery disease using information theory. Ulm K, et al. **Methods Inf Med** 1981 Oct;20(4):213–6

An improvement in computer-aided diagnosis of meningiomas after CT. Wilis K, et al. **Neuroradiology** 1982; 22(5):255–7

The computer-assisted differentiation of hemoglobin variants. Barwick RC, et al. **Tex Rep Biol Med** 1980–81; 40:143–56

[Task presentation for computer-assisted laboratory diagnosis in emergency medicine] Steyer G, et al. **Z Med Lab Diagn** 1982 Apr 2;23(2):136–41 **(Ger)**

[Computerized electroencephalography in acute cerebral ischaemia (author's transl)] Bossi L, et al. **Ann Osp Maria Vittoria Torino** 1981 Jan–Jun;24(1–6):26–32 (Eng. Abstr.) **(Ita)**

[Means of improving the accuracy of determining the terms of pregnancy, labor and maternity leave using a computer] Kintraia Pla, et al. **Akush Ginekol (Mosk)** 1982 Mar;(3):37–9 (Eng. Abstr.) **(Rus)**

[Use of a noninvasive method of assessing myocardial contractility with computers in the operating room] Buniatian AA, et al. **Anesteziol Reanimatol** 1981 Nov–Dec; (6):4–10 (Eng. Abstr.) **(Rus)**

[Principles of preparing clinical information on maxillofacial actinomycosis patients for computer processing] Minsker OB, et al. **Vestn Dermatol Venerol** 1981;(10):31–5 (Eng. Abstr.) **(Rus)**

[Computers in the analysis of retinal detachment] Orlowski WJ, et al. **Vestn Oftalmol** 1981 May–Jun;(3):45–51 (Eng. Abstr.) **(Rus)**

[Use of computerized audiometry for assessing the effectiveness of hearing aids in children] Sagalovich BM, et al. **Vestn Otorinolaringol** 1982 May–Jun;(3):17–20 (Eng. Abstr.) **(Rus)**

[Quantitative evaluation of hoarseness using a computer] Uloza VD, et al. **Vestn Otorinolaringol** 1982 Mar–Apr; (2):41–4 (Eng. Abstr.) **(Rus)**

STANDARDS

Internist-1, an experimental computer-based diagnostic consultant for general internal medicine. Miller RA, et al. **N Engl J Med** 1982 Aug 19;307(8):468–76

Precision requirements in a study of computer-aided diagnosis of jaundice (the COMIK study). Hilden J, et al. **Scand J Clin Lab Invest [Suppl]** 1980;155:125–8

DIAGNOSIS, DIFFERENTIAL

Differential diagnosis by weighting characteristic signs of two diseases. Reggio M. **Comput Biomed Res** 1981 Apr; 14(2):131–7

The art of diagnosis: solving the clinicopathological exercise. Eddy DM, et al. **N Engl J Med** 1982 May 27;306(21):1263–8

[A method of differential diagnosis by ratio of frequencies (author's transl)] Tang DL. **Chung Hua Yu Fang I Hsueh Tsa Chih** 1981 Jan;15(1):34–7 **(Chi)**

DIAGNOSIS, LABORATORY

see related
TECHNOLOGY, MEDICAL

Laboratory medicine—then and now. Reinstein H. **Am J Med Technol** 1982 Jun;48(6):427–9

Clinical utility of immunologic tests [editorial] Ritts RE Jr. **Ann Intern Med** 1982 Jun;96(6 Pt 1):779–81

Quantitative logic and new diagnostic tests. Beck JR. **Arch Intern Med** 1982 Apr;142(4):681–2

Bayes' theorem and quantitative clinical chemical determination [letter] Keller H, et al. **Clin Chem** 1981 Nov; 27(11):1959–60

Disease prevalence and predictive value of diagnostic tests [letter] Kenney RM, et al. **Clin Chem** 1982 Feb;28(2):392–3

Monoclonal antibodies in clinical immunology. Sevier ED, et al. **Clin Chem** 1981 Nov;27(11):1797–806 (206 ref.)

Biologic markers in cancer diagnosis and treatment. Holyoke ED, et al. **Curr Probl Cancer** 1981 Aug;6(2):1–68 (245 ref.)

Drug interferences with clinical laboratory tests. Sher PP. **Drugs** 1982 Jul;24(1):24–63 (112 ref.)

The likelihood quotient line, a tool for the assessment of diagnostic validity of clinical chemical tests. Keller H, et al. **J Clin Chem Clin Biochem** 1981 Dec;19(12):1211–2

Making optimum use of the microbiology laboratory. III. Aids of antimicrobial therapy. Bartlett RC. **JAMA** 1982 Apr 2;247(13):1868–71

The hazards of bedside Bayes. Harris JM Jr. **JAMA** 1981 Dec 4;246(22):2602–5

How does one interpret a marginally abnormal serum chemistry test? Young DS. **JOM** 1982 Feb;24(2):104–8

Clinical immunology laboratory tests—a growth industry? [editorial] **Lancet** 1981 Dec 5;2(8258):1269

HB 4867: The laboratory referrals bill. Angell DE. **Mich Med** 1982 Jan;81(3):28–9

'Data still pending' [letter] **N Engl J Med** 1982 May 13; 306(19):1181–2

Clinical judgment versus the laboratory [editorial] Collins JA. **N Engl J Med** 1982 Apr 22;306(16):987–8

'Data still pending' [letter] Miller KD. **N Engl J Med** 1981 Dec 31;305(27):1653–4

The limits of the laboratory: nuances of normality. Riegelman RK. **Postgrad Med** 1981 Oct;70(4):203–7

The laboratory and the general practitioner. Eastham RD. **Practitioner** 1982 Jan;226(1363):36–41

Advances in clinical virology. Peterson LR, et al. **Prog Clin Pathol** 1981;8:239–267 (130 ref.)

The application of contingency theory to organization and management in laboratory medicine. Strandjord PE. **Prog Clin Pathol** 1981;8:287–314 (48 ref.)

[Current status of biology in medical practice and in health expenditures] Sournia JC. **Bull Acad Natl Med (Paris)** 1981 Feb;165(2):213–9 (Eng. Abstr.) **(Fre)**

[Summary of the health laboratories' activities of the Ernest Malvoz Provincial Institute in 1980] Bassleer J, et al. **Rev Med Liege** 1982 Mar 15;37(6):209–16 **(Fre)**

[Information management in the Laboratory of Clinical Chemistry of the University of Liege] Heusghem C, et al. **Rev Med Liege** 1981 Nov 1;36(21):798–802 **(Fre)**

[Uniform values for the laboratory diagnosis in horses] Eikmeier H. **Berl Munch Tierarztl Wochenschr** 1982 Mar 1;95(5):85–6 (Eng. Abstr.) **(Ger)**

[Rationalization of urine analysis while maintaining diagnostic accuracy (author's transl)] Bonard C, et al. **Dtsch Med Wochenschr** 1982 Feb 19;107(7):249–51 (Eng. Abstr.) **(Ger)**

[Emergency diagnosis: emergency laboratory. Sequel 2: arrangement of the emergency laboratory, organization, methods and instruments] Hannak D, et al. **Fortschr Med** 1981 Feb 5;99(5):140–4 **(Ger)**

[Diagnosis and prognosis of diseases based on laboratory profiles] Kraus H. **Lebensversicherungsmedizin** 1981 Dec 3;33(9):211–5 (Eng. Abstr.) **(Ger)**

[Laboratory diagnosis: interference by drugs] Appel W. **Med Monatsschr Pharm** 1982 May;5(5):142–50 **(Ger)**

[Diagnostic key for intensive care patients: combination of clinical parameters with laboratory findings] Laggner A, et al. **Schweiz Med Wochenschr** 1982 Jul 6; 112(27–28):1002–5 (Eng. Abstr.) **(Ger)**

[Emergency tests in the central laboratory of a hospital (author's transl)] Gibitz HJ. **Wien Med Wochenschr** 1981; 131(13–14):345–51 (Eng. Abstr.) **(Ger)**

[Diagnostic significant of manganese concentration in blood serum. Current state of knowledge] Mehnert E. **Z Arztl Fortbild (Jena)** 1982 May 1;76(9):419–21 **(Ger)**

[Comparison of clinical and autopsy diagnosis of a random sample investigation from Dresden under consideration of the basic disease] Salomon H. **Z Gesamte Hyg** 1981; 27(8):642–6 (Eng. Abstr.) **(Ger)**

[Effect of drugs on laboratory diagnosis—effect of propranolol on selected laboratory values] Böhme HR, et al. **Z Gesamte Inn Med** 1981 Nov 15;36(22):874–7 (Eng. Abstr.) **(Ger)**

[Quality control systems and medical context of laboratories] Burlina A. **Recenti Prog Med** 1981 Jan;70(1):75–96 (Eng. Abstr.) **(Ita)**

[Pathological features and laboratory examinations in aged patients] **Rinsho Byori** 1981 Aug;29(8):747–95 **(Jpn)**

[Informative value of laboratory diagnosis] Bobilewicz D, et al. **Pol Tyg Lek** 1981 Sep 28;36(39):1537–39 **(Pol)**

[History of the Chair of Laboratory Clinical Diagnosis at the Central Institute for Advanced Medical Training] Morozova VT. **Lab Delo** 1981;(6):375–8 **(Rus)**

[Isolation and purification of an unspecific component from human serum albumin, typical for pathology] Troitskiĭ GV, et al. **Vopr Med Khim** 1981 Mar–Apr;27(2):166–72 (Eng. Abstr.) **(Rus)**

ECONOMICS

A priori considerations when using laboratory determinations in cost-effectiveness and clinical decision analyses. Barr JT. **Am J Med Technol** 1981 Aug;47(8):619–29

Syncope of unknown origin. The need for a more cost-effective approach to its diagnosis evaluation. Kapoor WN, et al. **JAMA** 1982 May 21;247(19):2687–91

Physicians' knowledge of common outpatient medical costs in the Kanawha Valley- Charleston, West Virginia. Perrine TR. **W Va Med J** 1982 Apr;78(4):90–7

[Economic questions in clinical biochemistry (author's transl)] Homolka J. **Cas Lek Cesk** 1982 Feb 12;121(6):161–2 (Eng. Abstr.) **(Cze)**

[Rationalization of laboratory costs: importance of enlightened medical leadership] Joly JG. **Union Med Can** 1982 Feb;111(2):167–72 (Eng. Abstr.) **(Fre)**

HISTORY

[Development and current status of the Department of Clinical Laboratories] Dochev D. **Vutr Boles** 1981; 20(6):15–22 **(Bul)**

[Forerunners of uroscopy in times preceding laboratory diagnosis] Brummer P. **Nord Med** 1981 Dec;96(12):325 **(Swe)**

INSTRUMENTATION

Lactic acid in cerebrospinal fluid: evaluation and application of an automated enzymatic assay. Herold DA, et al. **Ann Clin Lab Sci** 1981 Sep–Oct;11(5):416–21

[Automated biochemical laboratory. I. Structure and organization of the automated system] Makarovskiĭ VV, et al. **Lab Delo** 1982;(2):114–8 (Eng. Abstr.) **(Rus)**

[Evaluation of the automatic mixing process in clinical biochemical studies] Lukicheva TI, et al. **Med Tekh** 1982 Jan–Feb;(1):10–3 (Eng. Abstr.) **(Rus)**

METHODS

Bivariate ratio monitoring in clinical laboratories. Kanno T, et al. **Am J Clin Pathol** 1981 Dec;76(6):782–7

Applications of clinical laboratory tests to the autopsy: a practical guide for specimen collection. Clark MA. **Am J Forensic Med Pathol** 1981 Mar;2(1):75–81

A program for non-linear regression analysis to be used on desk-top computers [letter] Koeppe P, et al. **Comput Programs Biomed** 1982 Jun;14(3):297–8

The implementation of a Multistat centrifugal analyzer in an automated laboratory. Menheere PP, et al. **Comput Programs Biomed** 1982 Jun;14(3):283–90

The place of simple laboratory support in primary health care of sickle cell anaemia. Adeyokunnu AA, et al. **East Afr Med J** 1981 Nov;58(11):828–37

Tracing and handling of high alcohol consumption with the aid of laboratory means. Hood B. **Eur J Clin Invest** 1981 Jun;11(3):147–8

Rapid laboratory techniques for the diagnosis of viral infections. **WHO Tech Rep Ser** 1981;661:1–60 (32 ref.)

[What value does laboratory diagnosis have in acute abdomen?] Staib I, et al. **Fortschr Med** 1981 Nov 5; 99(41):1677–80 (Eng. Abstr.) **(Ger)**

[Logical basis of laboratory diagnosis] Keller H, et al. **Schweiz Med Wochenschr** 1982 Jun 26;112(26):914–26 (Eng. Abstr.) **(Ger)**

[Significance of the representation of laboratory findings in intensive medicine] Neymeyer HG, et al. **Z Med Lab Diagn** 1982 Apr 2;23(2):115–9 **(Ger)**

STANDARDS

The predictive value theory redefines quality assurance. Mass D, et al. **Am J Med Technol** 1981 Dec;47(12):965–70

The multivariate reference range: an alternative interpretation of multi-test profiles. Boyd JC, et al. **Clin Chem** 1982 Feb;28(2):259–65

Variability in the measurement of specific immunoglobulin E antibody by the RAST procedure. Evans R 3d. **J Allergy Clin Immunol** 1982 Feb;69(2):245–52

External quality assessment of clinical laboratories in the

United Kingdom. Whitehead TP, et al. **J Clin Pathol** 1981 Sep;34(9):947–57

Making optimum use of the microbiology laboratory. I. Use of the laboratory. Bartlett RC. **JAMA** 1982 Feb 12; 247(6):857–9

Did he take something? What does the lab result mean? [letter] Lundberg GD. **JAMA** 1982 Jul 2;248(1):83

How to ensure quality [letter] **Lancet** 1982 Jul 24;2(8291):196

Nutritional assessment: a comparison of clinical judgement and objective measurements. Baker JP, et al. **N Engl J Med** 1982 Apr 22;306(16):969–72

Mathematical approaches to the analysis of laboratory data. Beck JR, et al. **Prog Clin Pathol** 1981;8:67–100 (194 ref.)

Analytical goals in clinical biochemistry. Fraser CG. **Prog Clin Pathol** 1981;8:101–22 (47 ref.)

[The laboratories of clinical biology in Belgium: evolution and status following the organization of mandatory external quality control] Libeer JC, et al. **Acta Clin Belg** 1982; 37(2):103–11 **(Dut)**

[The correct use of clinical biology. General considerations] Delwaide PA. **Rev Med Liege** 1981 Mar 15;36(6):223–30 **(Fre)**

[The correct use of clinical biology. Introduction] Delwaide PA. **Rev Med Liege** 1981 Mar 15;36(6):221–2 **(Fre)**

[Drugs and laboratory diagnosis] Böhme HR. **Z Arztl Fortbild (Jena)** 1981 Jun 1;75(11–12):547 **(Ger)**

[Improvement of the efficacy of laboratory diagnosis in general medicine] Fiedler H. **Z Arztl Fortbild (Jena)** 1981 Jun 1;75(11–12):509–11 **(Ger)**

[The effect of drugs on laboratory diagnosis] Böhme HR, et al. **Z Med Lab Diagn** 1981;22(2):76–82 (64 ref.) (Eng. Abstr.) **(Ger)**

[Diagnosis and methodological principles of clinical pathology. I.] dal Fabbro G, et al. **Minerva Med** 1981 Oct 32;72(42):2853–64 **(Ita)**

[Laboratory evaluation for urine identification card in the automated microbial system (author's transl)] Furuta I, et al. **Kansenshogaku Zasshi** 1981 Mar;55(3):149–54 (Eng. Abstr.) **(Jpn)**

[Emergency medical services and clinical laboratory (author's transl)] Kohama A. **Rinsho Byori** 1981 Jan; 29(1):30–5 **(Jpn)**

[Investigation on emergency laboratory tests at various center hospitals in Japan (author's transl)] Mizushima J. **Rinsho Byori** 1981 Jan;29(1):42–7 **(Jpn)**

[Emergency laboratory service in Shimane Prefectural Central Hospital (author's transl)] Takeda I, et al. **Rinsho Byori** 1981 Jan;29(1):37–41 **(Jpn)**

[On the proper interpretation of normal values by individual differences quotient (author's transl)] Tango T. **Rinsho Byori** 1981 May;29(5):528–31 **(Jpn)**

[Forms of quality control organization] Gol'dfil'd RS, et al. **Lab Delo** 1981;(10):628–31 (Eng. Abstr.) **(Rus)**

[Effective method of daily intralaboratory control] Groisman EI. **Lab Delo** 1981;(10):633 **(Rus)**

[Work experience in quality control of laboratory studies in Odessa Province] Moiseeva KV, et al. **Lab Delo** 1981; (10):637–40 **(Rus)**

[Quality control of hematologic and clinical studies in Vinnitsa Province laboratories in 1979–1980] Novitskaia ON, et al. **Lab Delo** 1981;(10):634–6 (Eng. Abstr.) **(Rus)**

[Experience in conducting quality control of biochemical and hematologic studies in the clinical diagnostic laboratories of Karaganda Province] Shibaeva VG. **Lab Delo** 1981; (10):636–7 **(Rus)**

[The International System of Units in the clinical laboratory] Mourey-Valdés L. **Gac Med Mex** 1981 Dec;117(12):484–92 **(Spa)**

[Can we trust the results from laboratories?] Berg B, et al. **Lakartidningen** 1981 Sep 9;78(37):3145–8 **(Swe)**

TRENDS

Clinical laboratory science in the coming decades: an AJMT special report. Price G. **Am J Med Technol** 1982 Apr; 48(4):277–8

Clinical problem solving and laboratory investigation: contributions to laboratory medicine. Burke MD. **Prog Clin Pathol** 1981;8:1–24 (134 ref.)

UTILIZATION

The effect of immediate access to a computerized medical record on physician test ordering: a controlled clinical trial in the emergency room. Wilson GA, et al. **Am J Public Health** 1982 Jul;72(7):698–702

An audit of investigational services within general medical units. Newble DI, et al. **Aust NZ J Med** 1982 Apr; 12(2):169–73

Professional review of laboratory utilization. McConnell TS, et al. **Hum Pathol** 1982 Apr;13(4):399–403

The differential diagnosis of hypercalcemia. An algorithm for more effective use of laboratory tests. Wong ET, et al. **JAMA** 1982 Jan 1;247(1):75–80

Treatment of diabetic ketoacidosis. Changing laboratory usage and length of stay patterns in a university hospital. Hamburger S, et al. **Mo Med** 1982 Apr;79(4):213–5

Changes in the use of medical technologies, 1972–1977: a study of 10 inpatient diagnoses. Showstack JA, et al. **N Engl J Med** 1982 Mar 25;306(12):706–12

[Budgetary impact of overutilization of multianalyzer tests] Joly JG. **Union Med Can** 1981 Nov;110(11):989–94 (Eng. Abstr.) **(Fre)**

VETERINARY

Laboratory aids to diagnosis in the horse. Ricketts S. **In Pract** 1981 Nov;3(6):5–6, 8–10, 12

Effective use of the diagnostic laboratory in dairy practice. Veit HP. **Vet Clin North Am [Large Anim Pract]** 1981 Nov; 3(2):375–401

Laboratory aids to diagnosis in the horse. Ricketts S. **Vet Rec** 1981 Nov 21;109(21):suppl 5–12

DIAGNOSIS, ORAL

[Role of dental examination in rhinologic field (author's transl)] Shimada K, et al. **Nippon Jibiinkoka Gakkai Kaiho** 1982 Mar 20;85(3):251–9 (Eng. Abstr.) **(Jpn)**

[Teeth have people. History taking – an important part of the clinical examination] Helgø B. **Nor Tannlaegeforen Tid** 1981 Nov;91(14):495–500 **(Nor)**

DIAGNOSIS, PRENATAL see **PRENATAL DIAGNOSIS**

DIAGNOSIS, SURGICAL

Surgical traps in the elderly. Vowles K. **Br J Hosp Med** 1981 Nov;26(5):454, 457–8

A simplified preoperative evaluation for Akin osteotomy. Gohil P, et al. **J Am Podiatry Assoc** 1982 Jan;72(1):44–5

[Statistical evaluation of intraoperative histopathological diagnosis using cryostat microtome sections] Clemente C, et al. **Pathologica** 1981 Jul–Aug;73(1026):561–78 (Eng. Abstr.) **(Ita)**

STANDARDS

Surgical decision making. The reproducibility of clinical judgement. Rutkow IM. **Arch Surg** 1982 Mar;117(3):337–40

DIAGNOSTIC ERRORS

Traumatic diaphragmatic hernia: errors in diagnosis. Ball T, et al. **AJR** 1982 Apr;138(4):633–7

Wrong diagnosis in athletes. Banks AJ, et al. **Br J Sports Med** 1982 Jun;16(2):101

Accuracy of clinical diagnosis in a Canadian teaching hospital. Thurlbeck WM. **Can Med Assoc J** 1981 Sep 1; 125(5):443–7

Cefoxitin–induced pseudo acute renal failure. Sherman RA, et al. **Clin Ther** 1981;4(2):114–7

Pitfalls in echocardiography. Shah AV, et al. **Indian Heart J Teach Ser** 1980;(8):421–33

Foreign body induced chronic abscess imitating cancer of the bladder wall. Németh A, et al. **Int Urol Nephrol** 1981; 13(1):65–8

Inter–observer error among surgeons and nurses in presymptomatic detection of breast disease. Thomas DC, et al. **J Chronic Dis** 1981;34(12):617–26

Cherchez les femmes (or the personal touch in the laboratory). Seller MJ. **J Med Genet** 1981 Dec;18(6):463–4

Slice–thickness artifacts in gray–scale ultrasound. Goldstein A, et al. **JCU** 1981 Sep;9(7):365–75

Applying decision theory to medical decision–making—concept of regret and error of diagnosis. Le Minor M, et al. **Methods Inf Med** 1982 Jan;21(1):3–8

[An atypical cause of asthmatic dyspnea – an inflammatory bronchial polyp] Petru V, et al. **Cesk Pediatr** 1982 Feb; 37(2):66–70 (Eng. Abstr.) **(Cze)**

[Scheuermann's disease with low localization. A problem of underdiagnosis] Lings S, et al. **Ugeskr Laeger** 1981 Oct 12;143(42):2732–3 (Eng. Abstr.) **(Dan)**

[Diagnostic errors in tumor pathology and infectious mouth pathology. 4 personal cases] Descrozailles C, et al. **Actual Odontostomatol (Paris)** 1981;(134):281–306 (Eng. Abstr.) **(Fre)**

[Importance of clinical examination. About 4 cases of hand surgery (author's transl)] Calberg G. **Rev Med Brux** 1982 Jan;3(1):45–54 **(Fre)**

[Diagnostic errors in meniscus lesions] Kozlowski B, et al. **Beitr Orthop Traumatol** 1982 Jan;29(1):11–6 (Eng. Abstr.) **(Ger)**

[Misdiagnoses and mismanagement in thyroid diseases (author's transl)] Wenzel KW, et al. **Dtsch Med Wochenschr** 1981 Nov 13;106(46):1526–32 (Eng. Abstr.) **(Ger)**

[Laboratory diagnosis: interference by drugs] Appel W. **Med Monatsschr Pharm** 1982 May;5(5):142–50 **(Ger)**

[Possibilities of errors in radiological diagnostics of the skeleton (author's transl)] Freyschmidt J. **Rontgenblatter** 1982 Aug;35(8):309–22 (Eng. Abstr.) **(Ger)**

[Cancer–like x–ray findings in the esophagus caused by blood clot–hemorrhage due to coagulopathy] Reinhardt K. **Rontgenblatter** 1982 Jul;35(7):277–8 (Eng. Abstr.) **(Ger)**

[Difficult diagnoses or diagnostic errors in general practice] Brandt H. **Z Arztl Fortbild (Jena)** 1981 Jun 1; 75(11–12):553–5 **(Ger)**

[Diagnostic error in 'acute abdomen'.—A contribution to violation of the duty of conscientiousness because of insufficient diagnosis] Hartmann G, et al. **Z Arztl Fortbild (Jena)** 1981 Sep 1;75(17):817–20 **(Ger)**

[Errors in the diagnosis of progressive muscular dystrophy and spinal muscular atrophy] Parnitzke C, et al. **Z Arztl Fortbild (Jena)** 1981 Jul 1;75(13):577–81 **(Ger)**

[ECG in acute myocardial infarct: misinterpretation due to delay of the characteristic infarct signs, bundle–branch block picture and extrasystoles] Schüffler J. **Z Arztl Fortbild (Jena)** 1982 Mar 1;76(5):186–90 **(Ger)**

[Diagnostic errors in ophthalmology] Tost M. **Z Arztl Fortbild (Jena)** 1981 Sep 1;75(17):796–7 **(Ger)**

[Errors in diagnosis of children's hip joint using conventional X–ray technique (author's transl)] Imhäuser G. **Z Orthop** 1982 Apr;120(2):93–9 (Eng. Abstr.) **(Ger)**

[Sensitivity and specificity of diagnostic tests (editorial)] Marchi F. **G Ital Cardiol** 1981;11(3):293–6 (Eng. Abstr.) **(Ita)**

[Correlations between clinical diagnosis and necroscopy in geriatric patients] Landra P, et al. **Minerva Med** 1981 Oct 32;72(42):2823–8 (Eng. Abstr.) **(Ita)**

[Diagnostic errors in emergency surgery in the presence of complicating diseases] Mazchenko NS. **Khirurgiia (Mosk)** 1982 Feb;(2):86–8 **(Rus)**

[Errors in the diagnosis in acute pains in the abdomen] Smolenskii VS, et al. **Klin Med (Mosk)** 1981 Oct; 59(10):103–7 **(Rus)**

[Case of ante mortem diagnosis of left atrial myxoma] Abramova GA, et al. **Pediatriia** 1982 Jan;(1):62 **(Rus)**

[Difficulties and errors in the diagnosis of opisthorchiasis in children] Balasheva II, et al. **Pediatriia** 1981 Jul;(7):40–2 (Eng. Abstr.) **(Rus)**

[Aneurysm of a segmental branch of the renal artery simulating cavernous renal tuberculosis] Kotliarov PM. **Probl Tuberk** 1982 Feb;(2):73 **(Rus)**

[Reasons for diagnostic errors in establishing the etiology of infiltrative processes in the lungs] Slepova RI, et al. **Probl Tuberk** 1982;(1):26–8 (Eng. Abstr.) **(Rus)**

[Reasons for clinical diagnostic errors] Kuimov AD, et al. **Sov Med** 1981;(6):71–3 **(Rus)**

[Diagnostic errors and difficulties in thyroid cancer] Mazchenko NS, et al. **Sov Med** 1981;(10):116–7 **(Rus)**

[Gnoseologic basis of diagnostic errors] Subbotin IuK. **Vestn Akad Med Nauk SSSR** 1981;(6):84–8 **(Rus)**

[Error in the diagnosis of the infectious form of syphilis] Nemkaeva RM, et al. **Vestn Dermatol Venerol** 1981 Jun; (6):73–5 (Eng. Abstr.) **(Rus)**

[Medical errors in acute cholecystitis] Magdiev TSh, et al. **Vestn Khir** 1981 Nov;127(11):117–20 (Eng. Abstr.) **(Rus)**

[Errors in the diagnosis, treatment and expert work capacity evaluation of hand injuries] Vasil'ev SF, et al. **Vestn Khir** 1982 Jan;128(1):143–4 **(Rus)**

[Potentials and errors in the x–ray diagnosis of minor (early) stomach cancer] Usova NA, et al. **Vestn Rentgenol Radiol** 1981 Nov–Dec;(6):21–8 (Eng. Abstr.) **(Rus)**

[Difficulties and errors in the cytological diagnosis of breast cancer] Kliukina LB, et al. **Vopr Onkol** 1981;27(12):14–9 (Eng. Abstr.) **(Rus)**

[Analysis of discrepancies between clinical and pathoanatomic diagnoses based on reports from the Rostov Neurosurgical Clinic (1949–1978)] Martirosian VV, et al. **Zh Nevropatol Psikhiatr** 1981;81(12):1817–21 (Eng. Abstr.) **(Rus)**

[Frequent errors in leprosy diagnosis] Aviño A, et al. **Actas Dermosifiliogr** 1981 Jul–Aug;72(7–8):407–10 **(Spa)**

[Clinicopathologic correlation in a series of 500 clinical autopsies (author's transl)] Bombi JA, et al. **Med Clin (Barc)** 1981 Sep 25;77(5):181–4 (Eng. Abstr.) **(Spa)**

[Ulysses syndrome] Mercado Rodríguez U. **Rev Clin Esp** 1982 Jan 31;164(2):127–8 **(Spa)**

[What can we learn from the cases reported to insurance companies? Missed diagnoses] Britton M, et al. **Lakartidningen** 1981 Oct 14;78(42):3681–3 (Eng. Abstr.) **(Swe)**

DIAGNOSTIC REAGENT KITS see **REAGENT KITS, DIAGNOSTIC**

DIAGNOSTIC SERVICES

The longitudinal study of findings in childhood. Analysis of an interdisciplinary process. Levine MD, et al. **Am J Dis Child** 1982 Apr;136(4):303–9

The classification of ultrastructural topography in the context of an ultrastructural diagnostic service. McLay AL, et al. **Diagn Histopathol** 1981 Jul–Sep;4(3):219–22

Diagnostic electron microscopy in the U.S. Veterans Administration. Williams MJ. **Diagn Histopathol** 1981 Jul–Sep;4(3):279–83

Bleeding less for diagnostics [letter] Hashimoto F. **JAMA** 1982 Jul 9;248(2):171

CLASSIFICATION

Criteria for the diagnosis of dementia in the community elderly. Gurland BJ, et al. **Gerontologist** 1982 Apr; 22(2):180–6

ECONOMICS

Defensive medicine: Who bears the cost? [editorial] **Lancet** 1982 Jun 26;1(8287):1449

[Evolution of the cost of diagnostic studies in the last 10 years] Sournia JC. **Agressologie** 1981 Dec;22(F):11–3 (Eng. Abstr.) **(Fre)**

ORGANIZATION & ADMINISTRATION

The gastrointestinal diagnostic unit in the community hospital. Schapiro M. **Gastrointest Endosc** 1982 Feb;

28(1):31-2
Trial of a centralized IgE allergy service to general practitioners in a rural area. Parker JH, et al. **J R Coll Gen Pract** 1981 Apr;31(225):231-4

STANDARDS

Are nursing home diagnosis and treatment inadequate? Sabin TD, et al. **JAMA** 1982 Jul 16;248(3):321-2
Evaluation of a sequence of diagnostic tests using the workup of ureteral stone as a model. Rhea JT, et al. **Med Care** 1982 Aug;20(8):843-8
[The quality of diagnostic services in psychiatric hospitals (author's transl)] Jaroszyński J, et al. **Psychiatr Pol** 1981 Mar-Apr;15(2):121-6 (Eng. Abstr.) **(Pol)**

SUPPLY & DISTRIBUTION

Provision of a chlamydial culture service to a sexually transmitted diseases clinic. Ridgway GL, et al. **Br J Vener Dis** 1982 Aug;58(4):236-8

TRENDS

Survey of tissue-diagnostic services in United States dental schools, 1953-1980. Miller AS, et al. **Oral Surg** 1982 Jun; 53(6):588-90

UTILIZATION

Diagnostic services utilization review at a university medical center. Sussman EJ, et al. **Health Care Manage Rev** 1981 Fall;6(4):65-8
Evaluating the yield of medical tests. Harrell FE Jr, et al. **JAMA** 1982 May 14;247(18):2543-6
Rural health care [letter] Wallace IR. **N Engl J Med** 1982 Jun 3;306(22):1370
Requirements for the efficient use and precise interpretation of diagnostic tests. Griner PF. **Trans Am Clin Climatol Assoc** 1980;92:39-48
Common and correctable errors in diagnostic test ordering. Martin AR. **West J Med** 1982 May;136(5):456-61

DIAGNOSTIC TESTS, ROUTINE

Laboratory data on ICU admission. Its relationship to mortality. Batchelor GN, et al. **Anaesthesia** 1982 May; 37(5):565-70
Cervical cytology screening of non-gynaecological female hospital inpatients. Duncan GR, et al. **Aust NZ J Obstet Gynaecol** 1981 May;21(2):113-5
Planning and efficiency of diagnostic tests. Dugdale LM. **Australas Radiol** 1981 Nov;25(3):275-81
Spontaneous changes in very high blood pressure after admission to the hospital and their relation to target organ involvement. Ambrosio GB, et al. **Cardiology** 1982; 69(2):104-9
Assessing the clinical utility of laboratory methods. Burke MD. **Clin Lab Med** 1981 Mar;1(1):21-37
Screening small for gestational age babies for congenital infection. Primhak RA, et al. **Clin Pediatr (Phila)** 1982 Jul; 21(7):417-20 (26 ref.)
The routine chest X-ray - an idea whose time has passed. Martin DL. **Dimens Health Serv** 1981 Sep;58(9):9
The use of the differential leukocyte count for inpatient casefinding. Connelly DP, et al. **Hum Pathol** 1982 Apr; 13(4):294-300
Preadmission evaluation and elective cataract surgery. Maltzman BA, et al. **J Med Soc NJ** 1981 Jul;78(7):519-20
Routine hormonal screening of infertile men: is it worthwhile? Ross LS. **J Urol** 1981 Dec;126(6):756-8
Utilization of an automated multiphasic health testing system for performing prehospitalization examinations. Carel RS, et al. **Med Care** 1982 Aug;20(8):871-5
Routine upper gastrointestinal endoscopy in elective cholecstectomy. Coleman MJ, et al. **Med J Aust** 1981 Nov 28;2(11):600-1
Routine screening of hospital blood samples for syphilis. A pilot study in Mount Isa, Queensland. Curson PM, et al. **Med J Aust** 1981 Dec 12-26;2(12-13):672
No more routine catheterization for valvular heart disease? (editorial] Brandenburg RO. **N Engl J Med** 1981 Nov 19; 305(21):1277-8
Preadmission assessments for geriatric patients. Ingman SR, et al. **QRB** 1981 Sep;7(9):3-5
Automated neonatal hearing test in a community hospital. Williams GH, et al. **South Med J** 1982 Jun;75(6):701-3
A new, simple three-step method for determining gestational age. Tunçer M, et al. **Turk J Pediatr** 1982 Apr-Jun; 23(2):85-97
Does it make sense for blood transfusion services to continue the time-honored syphilis screening with cardiolipin antigen? **Vox Sang** 1981 Sep;41(3):183-92
[Reliability of diagnostic examination] Christensen B, et al. **Ugeskr Laeger** 1981 Jul 20;143(30):1894-7 (Eng. Abstr.) **(Dan)**
[Functional diagnostics in elderly patients] Schulz J, et al. **Z Gesamte Hyg** 1981 Dec;27(12):904-8 (Eng. Abstr.) **(Ger)**

ECONOMICS

A new approach to the costing of clinical laboratory tests. Broughton PM, et al. **Ann Clin Biochem** 1981 Nov;18(Pt 6):330-42
Cost efficacy study of percutaneous biopsy of the lung--some pitfalls. Rothfield NJ. **Australas Radiol** 1981 Nov; 25(3):272-4
Evaluating the effective use of laboratory services. Butler VD. **Hospitals** 1982 Aug 16;56(16):112, 115-6
The value of 'routine tests' in the staging evaluation of gynecologic malignancies: a cost effectiveness analysis. Abayomi O, et al. **Int J Radiat Oncol Biol Phys** 1982 Feb; 8(2):241-4
Cost containment and changing physicians' practice behavior. Can the fox learn to guard the chicken coop? Eisenberg JM, et al. **JAMA** 1981 Nov 13;246(19):2195-201
Does cost information availability reduce physician test usage? A randomized clinical trial with unexpected findings. Cohen DI, et al. **Med Care** 1982 Mar;20(3):286-92
The effects of price information on physicians' test-ordering behavior. Ordering of diagnostic tests. Cummings KM, et al. **Med Care** 1982 Mar;20(3):293-301
The use of ancillary services: a role for utilization review? Eisenberg JM. **Med Care** 1982 Aug;20(8):849-61
Physician Sensitivity to the price of diagnostic tests: A U.S.-Canadian analysis. Hoey J, et al. **Med Care** 1982 Mar; 20(3):302-7
[Budgetary impact of overutilization of multianalyzer tests] Joly JG. **Union Med Can** 1981 Nov;110(11):989-94 (Eng. Abstr.) **(Fre)**

INSTRUMENTATION

Are we ordering too many tests? Strasser AL. **Occup Health Saf** 1982 Mar;51(3):14, 16-7
[Computer-assisted routine laboratory system] Kovács S, et al. **Z Med Lab Diagn** 1981;22(3):168-72 (Eng. Abstr.) **(Ger)**

METHODS

Biological measures for the formulation of a hospital prognostic index. Harvey KB, et al. **Am J Clin Nutr** 1981 Oct;34(10):2013-22
The performance of protein, lactic dehydrogenase, and alkaline phosphatase electrophoresis as part of a hospital admission screening procedure. Griffiths WC, et al. **Clin Biochem** 1981 Jun;14(3):153-6
Clinical and laboratory implications of present ESR methodology. Bull BS. **Clin Lab Haematol** 1981;3(4):283-98 (46 ref.)
The blood film as a routine screening test in rural tropical hospitals. Cheesbrough M. **Trop Doct** 1981 Oct;11(4):188-9

STANDARDS

Reducing the effect of measurement variation. Comstock GW. **Am J Epidemiol** 1981 Dec;114(6):784-5
Decision making by pathologists. A strategy for curtailing the number of inappropriate tests. Rao KM, et al. **Arch Pathol Lab Med** 1982 Feb;106(2):55-6
Urinalysis in an Australian teaching hospital. Shephard MD, et al. **Med J Aust** 1982 Apr 3;1(7):300-1
A protocol for selecting patients with injured extremities who need x-rays. Brand DA, et al. **N Engl J Med** 1982 Feb 11;306(6):333-9
Monitoring laboratory services through concurrent review. McManus CD, et al. **QRB** 1982 Feb;8(2):5-9
Requirements for the efficient use and precise interpretation of diagnostic tests. Griner PF. **Trans Am Clin Climatol Assoc** 1980;92:39-48
Common and correctable errors in diagnostic test ordering. Martin AR. **West J Med** 1982 May;136(5):456-61

UTILIZATION

Effect of feedback to clinical staff of information on clinical biochemistry requesting patterns. Grivell AR, et al. **Clin Chem** 1981 Oct;27(10):1717-20
Clinical immunology laboratory tests--a growth industry? [editorial] **Lancet** 1981 Dec 5;2(8258):1269

DIALYSIS

Development of renal services in Kenya [editorial] Abdullah MS. **East Afr Med J** 1981 May;58(5):309-10
Management of massive ascites utilizing ascites reinfusion. Lee WM. **J Clin Gastroenterol** 1982 Feb;4(1):87-92
Use of extracorporeal ascites dialysis in combined hepatic and renal failure. Adler AJ, et al. **Nephron** 1982;30(1):31-5
[Determination of free thyroxine: problems of equilibrium dialysis method (author's transl)] Inada M. **Horumon To Rinsho** 1982 Jan;30(1):5-7 **(Jpn)**

METHODS

A method for dialysis of microsamples. Budowle B, et al. **Anal Biochem** 1981 Dec;118(2):399-400
Dialysis of small samples in agarose gels. Freifelder D, et al. **Anal Biochem** 1982 Jun;123(1):83-5
[Gastrointestinal dialysis] Glezer GA, et al. **Sov Med** 1981; (12):103-5 **(Rus)**

DIALYSIS, EXTRACORPOREAL see **HEMODIALYSIS**

DIAMANTANE see **ADAMANTANE**

DIAMFENETIDE see under **ACETANILIDES**

DIAMIDE see under **AZO COMPOUNDS**

DIAMINE OXIDASE see **HISTAMINASE**

DIAMINES

Spectroscopic and kinetic evidence for a cyclic geminal diamine intermediate in the reaction of O-aminoserine with pyridoxal 5'-phosphate in alkali. Korpela T, et al. **Arch Biochem Biophys** 1981 Dec;212(2):581-8
Replacement of natural polyamines by cadaverine and its aminopropyl derivatives in Ehrlich ascites carcinoma cells. Alhonen-Hongisto L, et al. **Biochem Biophys Res Commun** 1982 May 31;106(2):291-7
Steady-state fluorescence polarization of dansylcadaverine-fibrinogen: evidence for flexibility. Hantgan RR. **Biochemistry** 1982 Apr 13;21(8):1821-9
Chemical modifications of Escherichia coli L-asparaginase and their effect on plasma clearance rate and other properties. Nickle EC, et al. **Biochim Biophys Acta** 1982 Jun 4;704(2):345-52
Reaction of 99mTc-diphosphonate with N-donor ligands. Johannsen B. **Int J Appl Radiat Isot** 1982 Jun;33(6):429-32
Inhibition of the nuclear entry of 3,3',5'-triiodo-L-thyronine by monodansylcadaverine in GH3 cells. Horiuchi R, et al. **J Biol Chem** 1982 Mar 25;257(6):3139-44
Amantadine and dansylcadaverine inhibit vesicular stomatitis virus uptake and receptor-mediated endocytosis of alpha 2-macroglobulin. Schlegel R, et al. **Proc Natl Acad Sci USA** 1982 Apr;79(7):2291-5

ADVERSE EFFECTS

Studies on mutagenic and carcinogenic N-substituted aryl compounds: cosmetics and drugs. Dybing E, et al. **Natl Cancer Inst Monogr** 1981 Dec;(58):21-26

ANALYSIS

Determination of aromatic diamines in hair dyes using liquid chromatography. Johansson K, et al. **IARC Sci Publ** 1981; 4(40):243-7
Gas-liquid chromatographic method for analysis of Di- and polyamines in foods. Yamamoto S, et al. **J Agric Food Chem** 1982 May-Jun;30(3):435-9
Biochemical diagnosis of vaginitis: determination of diamines in vaginal fluid. Chen KC, et al. **J Infect Dis** 1982 Mar; 145(3):337-45

ANTAGONISTS & INHIBITORS

Dexamethasone inhibits a heme-independent event necessary for terminal differentiation of murine erythroleukemia cells. Hugues B, et al. **Biochem Biophys Res Commun** 1981 Oct 30;102(4):1342-9

METABOLISM

Young Scientists Award lecture 1981: The identification of an accumulation system for diamines and polyamines into the lung and its relevance to paraquat toxicity. Smith LL. **Arch Toxicol [Suppl]** 1982;5:1-14
Biosynthesis of cadaverine-containing peptidoglycan in Selenomonas ruminantium. Kamio Y, et al. **J Biol Chem** 1982 Mar 25;257(6):3326-33
Cadaverine in the rat brain: regional distribution and acylation of [14C]cadaverine in vivo and uptake in vitro. Salzman SK, et al. **J Neurochem** 1981 Nov;37(5):1308-15
[Destruction of hexamethylenediamine by a Bacillus subtilis culture in a medium with clay minerals] Garbara SV, et al. **Mikrobiologiia** 1982 Mar-Apr;51(2):332-5 (Eng. Abstr.) **(Rus)**

PHARMACODYNAMICS

Expression of erythroid differentiation and terminal cell division in induced Friend leukemia cells. Gambari R, et al. **Acta Biol Med Ger** 1981;40(4-5):511-8
Inhibition of plant and mammalian diamine oxidase by substrate analogues. Biegański T, et al. **Agents Actions** 1982 Apr;12(1-2):41-6
Replacement of natural polyamines by cadaverine and its aminopropyl derivatives in Ehrlich ascites carcinoma cells. Alhonen-Hongisto L, et al. **Biochem Biophys Res Commun** 1982 May 31;106(2):291-7
Effect of dexamethasone on hexamethylene bisacetamide-induced Friend cell erythrodifferentiation. Osborne HB, et al. **Cancer Res** 1982 Feb;42(2):513-8
An HMBA-resistant and heme-synthesizing variant clone of Friend leukemia cells. Di Girolamo A, et al. **Cell Differ** 1982 Apr;11(2):71-80
The effect of hexamethylene-bis-acetamide on multiparameter analysis of Friend leukemia cells. Mishal Z, et al. **Cytometry** 1981 Nov;2(3):165-9
Effects of hexamethylene bisacetamide on alpha-fetoprotein, albumin, and transferrin production by two rat hepatoma cell lines. Hughes EH, et al. **In Vitro** 1982 Feb;18(2):157-64
Effects of intracerebroventricular administration of aliphatic diamines on ingestive behavior in the rat. Kohno H, et al. **Jpn J Pharmacol** 1981 Apr;31(2):211-20
Inhibition of evoked dopamine release by monopropionylcadaverine in vitro. Salzman SK, et al. **Pharmacol Biochem Behav** 1981 Jul;15(1):119-23
Cadaverine and putrescine initiate the burial of dead conspecifics by rats. Pinel JP, et al. **Physiol Behav** 1981

Nov;27(5):819–24

PHYSIOLOGY

A possible role of cadaverine in the biosynthesis of polyamines in the Japanese newt testis. Matsuzaki S, et al. **Endocrinol Jpn** 1981 Jun;28(3):305–12

TOXICITY

[Hygienic standard for laurylpropylenediamine in reservoir waters] Rudeiko VA, et al. **Gig Sanit** 1982 Feb;(2):11–3 **(Rus)**

URINE

On the biogenesis of diamines and polyamines in the pregnant rat. Andersson AC, et al. **Acta Endocrinol (Copenh)** 1981 Nov;98(3):456–63

Analysis of urine for parts-per-trillion levels of aromatic diamines with capillary gas chromatography and selected-ion monitoring mass spectrometry. Hurst RE, et al. **Anal Chem** 1981 Dec;53(14):2175–9

DIAMINO AMINO ACIDS see **AMINO ACIDS, DIAMINO**

3,3'-DIAMINOBENZIDINE see under **BENZIDINES**

DIAMINODIETHYLDISULFIDE see **CYSTAMINE**

DIAMINODIPHENYLSULFONE see **DAPSONE**

3,6-DIAMINOHEXANOATE AMINOMUTASE see under **AMINO ACID ISOMERASES**

DIAMINOPIMELIC ACID see under **AMINO ACIDS, DIAMINO**

DIAMMONIUM CHLOROPLATINUM COMPOUNDS

Binding of the anticancer drug cis-dichlorodiammineplatinum to 3'(2')-guanosine monophosphate and nucleic acids. Theophanides T, et al. **Anticancer Res** 1981;1(6):383–8

Comparison of the interaction of cis- and trans-diamminedichloroplatinum(II) with DNA by a simple filter binding assay. Eastman A. **Biochem Biophys Res Commun** 1982 Apr 14;105(3):869–75

Interaction of cis-[Pt(NH3)2(H2O)2](NO3)2 with ribose deoxyribose diguanosine phosphates. Girault JP, et al. **Biochemistry** 1982 Mar 16;21(6):1352–6

Study of the influence of phosphate groups on the formation of adenine nucleotide - cis-dichlorodiammineplatinum (II) complexes. Sari JC, et al. **Biochimie** 1982 Apr;64(4):289–92

Interaction of poly C with cis- and trans-diamminedichloroplatinum (II): secondary structure effects. Strommen DP, et al. **Biopolymers** 1982 May; 21(5):969–78

Safe and effective combination chemotherapy without cis-platinum for squamous cell carcinomas of the head and neck. Price LA, et al. **Cancer Treat Rep** 1981;65 Suppl 1:149–54

The B goes to Z transition of poly(dG-dC) . poly(dG-dC) modified by some platinum derivatives. Malfoy B, et al. **Nucleic Acids Res** 1981 Nov 11;9(21):5659–69

Use of exonuclease III to determine the site of stable lesions in defined sequences of DNA: the cyclobutane pyrimidine dimer and cis and trans dichlorodiammine platinum II examples. Royer-Pokora B, et al. **Nucleic Acids Res** 1981 Sep 25;9(18):4595–609

Binding of [(dien)PtCl] Cl to poly(dG-dC)-poly(dG-dC) facilitates the B goes to Z conformational transition. Ushay HM, et al. **Nucleic Acids Res** 1982 Jun 11;10(11):3573–88

ADMINISTRATION & DOSAGE

Pharmacokinetics of cisplatin regional hepatic infusions. Kelsen DP, et al. **Am J Clin Oncol** 1982 Apr;5(2):173–8

cis-Platinum in gynecologic cancer. II. Squamous cell carcinoma of the cervix. Hall DJ, et al. **Am J Obstet Gynecol** 1981 Oct 1;141(3):305–8

cis-Platinum in gynecologic cancer. I. Epithelial ovarian cancer. Hall DJ, et al. **Am J Obstet Gynecol** 1981 Oct 1; 141(3):299–304

Cisplatin and vindesine combination chemotherapy for advanced carcinoma of the lung: A randomized trial investigating two dosage schedules. Gralla RJ, et al. **Ann Intern Med** 1981 Oct;95(4):414–20

Cisplatin: impact of a new anticancer agent on current therapeutic strategies. Rozencweig M, et al. **Anticancer Res** 1981;1(4):199–204 (53 ref.)

Advanced ovarian cancer: a prospective randomised trial of chlorambucil versus combined cyclophosphamide and cis-diamminedichloroplatinum. Bell DR, et al. **Aust NZ J Med** 1982 Jun;12(3):245–9

Intravesical cisplatin for superficial bladder tumors. Blumenreich MS, et al. **Cancer** 1982 Sep 1;50(5):863–5

A complete response in metastatic malignant thymoma to cis-platinum, doxorubicin and cyclophosphamide: a case report. Campbell MG, et al. **Cancer** 1981 Sep 15; 48(6):1315–7

A phase II evaluation of adriamycin and cis-platinum in hormone resistant prostate cancer. Citrin DL, et al. **Cancer** 1982 Jul 15;50(2):201–6

Clinical evaluation of sequentially scheduled cisplatin and VM26 in neuroblastoma: response and toxicity. Hayes FA, et al. **Cancer** 1981 Oct 15;48(8):1715–8

Combination chemotherapy of esophageal carcinoma using cisplatin, vindesine, and bleomycin. Kelsen DP, et al. **Cancer** 1982 Mar 15;49(6):1174–7

Cisplatin, adriamycin, and etoposide (CAV) for remission induction of small-cell bronchogenic carcinoma. Klastersky J, et al. **Cancer** 1982 Aug 15;50(4):652–8

Vinblastine, infusion, bleomycin, and cis-dichlorodiammine-platinum chemotherapy in metastatic melanoma. Nathanson L, et al. **Cancer** 1981 Sep 15;48(6):1290–4

Platinum-based combination chemotherapy in non-small cell lung carcinoma. Takita H, et al. **Cancer** 1981 Oct 1; 48(7):1528–30

Effective chemotherapy for esophageal cancer with methotrexate, bleomycin, and cis-diamminedichloroplatinum II. Vogl SE, et al. **Cancer** 1981 Dec 15;48(12):2555–8

Chemotherapy of advanced ovarian carcinoma: initial experience using a platinum-based combination. Williams CJ, et al. **Cancer** 1982 May 1;49(9):1778–83

An evaluation of low-dose cisplatin as part of combined modality therapy of limited small cell lung cancer. Eagan RT, et al. **Cancer Clin Trials** 1981 Fall;4(3):267–71

Phase I trials of WR2721 in combination with radiation therapy and with the alkylating agents cyclophosphamide and cis-platinum. Kligerman MM, et al. **Cancer Clin Trials** 1981 Winter;4(4):469–74

Chemotherapy of disseminated seminoma with combination of cis-diamminedichloroplatinum (II) and cyclophosphamide. Vugrin D, et al. **Cancer Clin Trials** 1981 Winter;4(4):423–7

Effects of pulse and continuous intravenous infusion of cis-diamminedichloroplatinum on L1210 leukemia in vivo. Moran RE, et al. **Cancer Res** 1981 Dec;41(12 Pt 1):4993–6

A phase I study of intracarotid artery infusion of cis-Diamminedichloroplatinum(II) in patients with recurrent malignant intracerebral tumors. Stewart DJ, et al. **Cancer Res** 1982 May;42(5):2059–62

Cisplatin, cyclophosphamide, and prednisone therapy for stage D prostatic cancer. Berry J, et al. **Cancer Treat Rep** 1982 Jun;66(6):1403–4

High-dose cisplatin for lung cancer. Bhuchar VK, et al. **Cancer Treat Rep** 1982 Feb;66(2):375–6

Phase II trial cisplatin, doxorubicin, and cyclophosphamide (CAP) in the treatment of urothelial transitional cell carcinoma. Campbell M, et al. **Cancer Treat Rep** 1981 Sep-Oct;65(9-10):897–9

Treatment of advanced squamous cell carcinoma of the head and neck with cisplatin, bleomycin, and methotrexate (PBM). Ervin TJ, et al. **Cancer Treat Rep** 1981 Sep-Oct; 65(9-10):787–91

Cyclophosphamide, doxorubicin, and cisplatin in the treatment of non-small cell bronchogenic carcinoma. Evans WK, et al. **Cancer Treat Rep** 1981 Nov-Dec; 65(11-12):947–54

Cisplatin, vindesine, and bleomycin (DVB) combination chemotherapy for esophageal carcinoma. Kelsen DP, et al. **Cancer Treat Rep** 1981 Sep-Oct;65(9-10):781–5

Clinical trial of cisplatin and 5-FU infusion as initial treatment for advanced squamous cell carcinoma of the head and neck. Kish J, et al. **Cancer Treat Rep** 1982 Mar; 66(3):471–4

Cyclophosphamide, doxorubicin, and cisplatin in the treatment of advanced non-small cell lung cancer. Knost JA, et al. **Cancer Treat Rep** 1981 Nov-Dec;65(11-12):941–5

Doxorubicin and cisplatin therapy in children with neuroblastoma resistant to conventional therapy: a Southwest Oncology Group Study. Nitschke R, et al. **Cancer Treat Rep** 1981 Nov-Dec;65(11-12):1105–8

Comparison of the iv and ip routes of administration of cisplatin in dogs. Pretorius RG, et al. **Cancer Treat Rep** 1981 Nov-Dec;65(11-12):1055–62

Bleomycin, cisplatin, vincristine, and methotrexate in advanced non-small cell bronchogenic carcinoma [letter] Rosenthal CJ, et al. **Cancer Treat Rep** 1982 Jan;66(1):205–6

Cisplatin hydration with and without mannitol diuresis in refractory disseminated malignant melanoma: a southwest oncology group study. Al-Sarraf M, et al. **Cancer Treat Rep** 1982 Jan;66(1):31–5

Hexamethylmelamine-CAF (cyclophosphamide, methotrexate, and 5-FU) and cisplatin-CAF in refractory ovarian cancer. Sessa C, et al. **Cancer Treat Rep** 1982 May; 66(5):1233–4

Cisplatin combination chemotherapy in non-oat cell carcinoma of the lung. Vincent RG, et al. **Cancer Treat Rep** 1982 Jan;66(1):197–8

Hexamethylmelamine and cisplatin in advanced ovarian cancer after failure of alkylating-agent therapy. Vogl SE, et al. **Cancer Treat Rep** 1982 Jun;66(6):1285–90

The therapy of osteosarcoma by intraarterial cis-platinum an limb preservation. Chuang VP, et al. **Cardiovasc Intervent Radiol** 1981;4(4):229–35

High-dose platinum for the treatment of refractory ovarian cancer. Bruckner HW, et al. **Gynecol Oncol** 1981 Aug; 12(1):64–7

Intraarterial cis-platinum in the management of squamous cell carcinoma of the uterine cervix. Carlson JA Jr, et al. **Gynecol Oncol** 1981 Aug;12(1):92–8

Long-term remission of an advanced head and neck tumor following intra-arterial infusion with cis-dichlorodiammine platinum. Horn Y, et al. **J Surg Oncol** 1981;18(2):189–92

A model of experimental isolation perfusion using cis-platinum. Wile AG, et al. **J Surg Oncol** 1982 Sep; 21(1):37–41

Chemotherapy for advanced carcinoma of the bladder. Narayana AS, et al. **J Urol** 1981 Nov;126(5):594–5

Intracerebral chemotherapy: chronic microinfusion of cisplatin. Kroin JS, et al. **Neurosurgery** 1982 Mar; 10(3):349–54

Alterations in the toxicity of cis-dichlorodiammineplatinum-II and in tissue localization of platinum as a function of NaCl concentration in the vehicle of administration. Litterst CL. **Toxicol Appl Pharmacol** 1981 Oct;61(1):99–108

[A 5 consecutive day combination of CIS platinum and bleomycin in squamous cell bronchial carcinoma (author's transl)] Israël L, et al. **Ann Med Interne (Paris)** 1981; 132(4):265–6 (Eng. Abstr.) **(Fre)**

[Chemotherapy of head and neck squamous cell cancer with vindesine (Eldesine) and cis-platinum (Platinex) (author's transl)] Ruffmann R, et al. **Laryngol Rhinol Otol (Stuttg)** 1982 Jul;61(7):406–10 (Eng. Abstr.) **(Ger)**

[A new method of intraarterial chemotherapy of malignant head and neck tumors - first results (author's transl)] von Scheel J, et al. **Laryngol Rhinol Otol (Stuttg)** 1982 May; 61(5):238–41 (Eng. Abstr.) **(Ger)**

[Chemotherapy for advanced gynecological carcinoma with cis-dichlorodiammineplatinum (II), adriamycin and/or cyclophosphamide after failure of initial treatment (author's transl)] Takizawa K, et al. **Nippon Gan Chiryo Gakkai Shi** 1981 Oct 20; 16(6):1292–1302 (Eng. Abstr.) **(Jpn)**

['Two route infusion chemotherapy' of cis-diamminedichloro-platinum (II) and its antidote, sodium thiosulfate, for rat bladder tumor (author's transl)] Sagiyama K, et al. **Nippon Hinyokika Gakkai Zasshi** 1982 Mar;73(3):287–93 (Eng. Abstr.) **(Jpn)**

[Combined administration of cisplatin and adriamycin in active ovarian neoplasm] Sekiya M, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1982 Mar; 34(3):397–400 **(Jpn)**

[Liposomes as the carriers of antitumor chemical preparations in neoplastic liver lesions] Gruntenko EV, et al. **Dokl Akad Nauk SSSR** 1982;265(1):225–8 **(Rus)**

[The value of Platinol in chemotherapy of advanced testicular cancer (author's transl)] Roth A, et al. **Lijec Vjesn** 1981 Sep;103(9):387–90 (Eng. Abstr.) **(Scr)**

ADVERSE EFFECTS

cis-Platinum in gynecologic cancer. III. Toxicity. Hall DJ, et al. **Am J Obstet Gynecol** 1981 Oct 1;141(3):309–12

Renal and electrolyte disturbances associated with cisplatin. Blachley JD, et al. **Ann Intern Med** 1981 Nov;95(5):628–32 (37 ref.)

Nephrotoxicity with cisplatin and antihypertensive medications [letter] Markman M, et al. **Ann Intern Med** 1982 Feb;96(2):257

Tissue toxicity of cis-platinum in hyperthermic isolated extremity perfusion. Hild P, et al. **Anticancer Res** 1982 Jan-Apr;2(1-2):17–22

Dapsone-responsive, noninfectious verrucous pyoderma. Its occurrence following cisplatin therapy. Person JR, et al. **Arch Dermatol** 1982 May;118(5):336–8

Potentiating effects of cisplatin and ethacrynic acid in ototoxicity. Komune S, et al. **Arch Otolaryngol** 1981 Oct; 107(10):594–7

Renal and haemopoietic proliferative defects as a delayed consequence of cis-platin, adriamycin and daunomycin treatments. Braunschweiger PG, et al. **Br J Cancer** 1982 Mar;45(3):421–8

Water intoxication and oxytocin. Smith AM. **Br Med J [Clin Res]** 1982 Sep 11;285(6343):733–4

Acute nephrotoxicity following cis-dichlorodiammine-platinum. Bitran JD, et al. **Cancer** 1982 May 1;49(9):1784–8

High-dose dexamethasone for prevention of cis-platin-induced vomiting. Aapro MS, et al. **Cancer Chemother Pharmacol** 1981;7(1):11–4

Alterations in hepatic and renal levels of glutathione and activities of glutathione S-transferase from rats treated with cis-dichlorodiammineplatinum-II. Litterst CL, et al. **Cancer Chemother Pharmacol** 1982;8(1):67–71

Measurement of urinary beta 2-microglobulin in the detection of cisplatin nephrotoxicity. Cohen AI, et al. **Cancer Treat Rep** 1981 Nov-Dec;65(11-12):1083–5

Cisplatin-induced emesis in the Ferret: a new animal model. Florczyk AP, et al. **Cancer Treat Rep** 1982 Jan;66(1):187–9

Effective control of cisplatin-induced nausea using high-dose steroids and droperidol. Mason BA, et al. **Cancer Treat Rep** 1982 Feb;66(2):243–5

Cisplatin-induced anemia. Nguyen BV, et al. **Cancer Treat Rep** 1981 Nov-Dec;65(11-12):1121

Ototoxicity in patients receiving cisplatin: importance of dose and method of drug administration. Reddel RR, et al. **Cancer Treat Rep** 1982 Jan;66(1):19–23

A comparison of droperidol and metoclopramide in the treatment of nausea and vomiting during cis-platinum polichemotherapy in ovarian carcinoma. Bolis PF, et al. **Eur J Gynaec Oncol** 1981;2(2):57–9

The role of prostaglandins in the excessive nausea and vomiting after intravascular cis-platinum therapy. Curry SL, et al. **Gynecol Oncol** 1981 Aug;12(1):89–91

Cisplatin–associated cortical blindness. Pippitt CH Jr, et al. **Gynecol Oncol** 1981 Oct;12(2 Pt 1):253–5

Antiemetic activity of N–methyllevonantradol and nabilone in cisplatin–treated cats. McCarthy LE, et al. **J Clin Pharmacol** 1981 Aug–Sep;21(8–9 Suppl):30S–37S

Clinical studies with a THC analog (BRL–4664) in the prevention of cisplatin–induced vomiting. Staquet M, et al. **J Clin Pharmacol** 1981 Aug–Sep;21(8–9 Suppl):60S–63S

Vulvar carcinoma. A case of DDP–induced neurotoxicity in chemotherapy. Hurley M, et al. **J Kans Med Soc** 1982 May;83(5):239–40

Rapid onset hearing loss after Cisplatinum therapy: case reports and literature review. Chapman P. **J Laryngol Otol** 1982 Feb;96(2):159–62

Mallory–Weiss syndrome secondary to cis–platinum chemotherapy: an unusual complication. Lubicz S, et al. **J Surg Oncol** 1982 Aug;20(4):247–9

Cisplatin [editorial] **Lancet** 1982 Feb 13;1(8268):374–5

Effects and side–effects of cisplatin [letter] **Lancet** 1982 Mar 20;1(8273):682

Cerebral blindness in association with cis–platinum chemotherapy for advanced carcinoma of the fallopian tube. Diamond SB, et al. **Obstet Gynecol** 1982 Jun;59(6 Suppl):84S–6S

Life–threatening hypocalcemia and hypomagnesemia associated with cisplatin chemotherapy. Gonzalez C, et al. **Obstet Gynecol** 1982 Jun;59(6):732–4

Severe nephrotoxicity: a probable complication of cis–dichlorodiammineplatinum (II) and cephalothin–gentamicin therapy. Salem PA, et al. **Oncology** 1982 Jan–Feb;39(1):31–2

[Cisplatin ototoxicity (author's transl)] Peytral C, et al. **Ann Otolaryngol Chir Cervicofac** 1981;98(3):85–8 (Eng. Abstr.) **(Fre)**

[Cis–platinum–induced peripheral neuropathy. One case (author's transl)] Gastaut JL, et al. **Nouv Presse Med** 1982 Apr 3;11(15):1113–7 (Eng. Abstr.) **(Fre)**

[Side–effects of polychemotherapy in metastatic testicular neoplasms (author's transl)] Hartlapp JH, et al. **Klin Wochenschr** 1982 Mar 1;60(5):257–61 (Eng. Abstr.) **(Ger)**

[Acute renal failure after the use of cis–diamminedichloroplatinum, gentamycin and cephalosporins] Leite JB, et al. **Rev Paul Med** 1981 Apr–Jun;97(4–6):75–7 (Eng. Abstr.) **(Por)**

[Comparative study of antiemetic properties of clebopride and metoclopramide in vomiting produced by cis–platinum (author's transl)] Padrós F, et al. **Med Clin (Barc)** 1981 Sep 10;77(4):167–70 (Eng. Abstr.) **(Spa)**

ANALYSIS

Platinum concentrations in human glioblastoma multiforme following the use of cisplatin. Bonnem EM, et al. **Cancer Treat Rep** 1982 Aug;66(8):1661–3

ANTAGONISTS & INHIBITORS

Protection against cis–dichlorodiammine Pt (II) cytotoxicity in vitro by cysteamine. Shrieve DC, et al. **Int J Radiat Oncol Biol Phys** 1982 Mar–Apr;8(3–4):585–8

CHEMICAL SYNTHESIS

Synthesis and antitumor activity of seleno– and thio–purines complexed with cis–diamminoplatinum (II). Maeda M, et al. **J Pharmacobiodyn** 1982 Feb;5(2):81–7

METABOLISM

Preliminary characterization of the adducts formed between the antitumor compounds cis–Pt(NH3)2Cl2 and DNA. Johnson NP. **Biochem Biophys Res Commun** 1982 Feb 26;104(4):1394–400

Cis– and trans–diamminedichloroplatinum(II) binding products different tertiary structural changes on SV40 DNA. Scovell WM, et al. **Biochem Biophys Res Commun** 1982 Feb 26;104(4):1597–603

The binding of platinum complexes to tuna cytochrome c. Boswell AP, et al. **Biochem J** 1982 Mar 1;201(3):523–6

Lymphoid suppression by cis–platinum(II) amines. What are the active agents? Fairlie DP, et al. **Biochem Pharmacol** 1982 Mar 15;31(6):933–9

Pharmacokinetic study of Cis–dichlorodiammine platinum II, in children after rapid infusion. Cano JP, et al. **Biomedicine** 1981 Dec;34(3):146–53

Cisplatin disposition in children and adolescents with cancer. Crom WR, et al. **Cancer Chemother Pharmacol** 1981;6(1):95–9

Human central nervous system distribution of cis–diamminedichloroplatinum and use as a radiosensitizer in malignant brain tumors. Stewart DJ, et al. **Cancer Res** 1982 Jun;42(6):2474–9

The frequency of interstrand cross–links in DNA following reaction of cis–diamminedichloroplatinum(II) with cells in culture or DNA in vitro: stability of DNA cross–links and their repair. Roberts JJ, et al. **Chem Biol Interact** 1982 Mar 15;39(2):181–9

The binding of platinum ethylenediamine dichloride to proteins, in vitro and in vivo. Robins AB. **Chem Biol Interact** 1982 Feb;38(3):349–56

The significance of DNA cross–linking to cis–diamminedichloroplatinum(II)–induced cytotoxicity in sensitive and resistant lines of murine leukemia L1210 cells. Strandberg MC, et al. **Chem Biol Interact** 1982 Mar 15;39(2):169–80

Platinosomes produced in cultured cells by platinum coordination complexes. Ghadially FN, et al. **J Submicrosc Cytol** 1981 Apr;13(2):223–30

Ethidium bromide changes the nuclease–sensitive DNA binding sites of the antitumor drug cis–diamminedichloroplatinum(II). Tullius TD, et al. **Proc Natl Acad Sci USA** 1982 Jun;79(11):3489–92

[Kinetic study of cis–diamminedichloroplatinum in a case of serous cystadenocarcinoma of ovary with severe renal insufficiency (author's transl)] Giudicelli CP, et al. **Therapie** 1981 Nov–Dec;36(6):653–8 (Eng. Abstr.) **(Fre)**

PHARMACODYNAMICS

Ototoxicity of the anticancer drug cisplatin. An experimental study. Nakai Y, et al. **Acta Otolaryngol (Stockh)** 1982 Mar–Apr;93(3–4):227–32

Water metabolism after cisplatin in the rat. Gordon JA, et al. **Am J Physiol** 1982 Jul;243(1):F36–43

The influence of zinc status on the anti–Lewis lung tumour activity of cisplatin and gallium. Capel ID, et al. **Anticancer Res** 1981;1(5):269–73

Post replication repair in an excision defective strain of Escherichia coli following treatment with cis dichlorodiammineplatinum(II). Alazard RJ, et al. **Biochem Biophys Res Commun** 1982 Jan 29;104(2):693–700

Induction of recA protein in Escherichia coli by three platinum (II) compounds. Salles B, et al. **Biochem Biophys Res Commun** 1982 Mar 15;105(1):202–8

Inhibition of the BamHI cleavage and unwinding of pBR322 deoxyribonucleic acid by the antitumor drug cis–dichlorodiammineplatinum(II). Ushay HM, et al. **Biochemistry** 1981 Jun 23;20(13):3744–8

Altered clearance of human alpha 2–macroglobulin complexes following reaction with cis–dichlorodiamineplatinum(II). Gonias SL, et al. **Biochim Biophys Acta** 1981 Dec 4;678(2):268–74

Quantitative aspects of the formation and loss of DNA interstrand crosslinks in Chinese hamster cells following treatment with cis–diamminedichloroplatinum(II) (cisplatin). II. Comparison of results from alkaline elution, DNA renaturation and DNA sedimentation studies. Pera MF Jr, et al. **Biochim Biophys Acta** 1981 Sep 28;655(2):152–66

Quantitative aspects of the formation and loss of DNA interstrand crosslinks in Chinese hamster cells following treatment with cis–diamminedichloroplatinum(II) (cisplatin). I. Proportion of DNA–platinum reactions involved in DNA crosslinking. Roberts JJ, et al. **Biochim Biophys Acta** 1981 Sep 28;655(2):146–51

Synthesizing activity and ultrastructural findings of human blood cells after incubation with cis–platinum 'in vitro'. Fishman P, et al. **Biomedicine** 1981 Sep;34(2):78–82

Proliferative defects in renal and intestinal epithelium after cis–dichlorodiammine platinum (II). Kovacs CJ, et al. **Br J Cancer** 1982 Feb;45(2):286–94

Effect of ultrasound–induced hyperthermia and cis–diamminedichloride platinum II on murine renal function. Elkon D, et al. **Cancer** 1982 Jan 1;49(1):25–9

Effect of cis– and trans–dichlorodiammineplatinum(II) on human tumor cell proliferation in diffusion chambers in vivo. Ambrose KR, et al. **Cancer Res** 1982 May;42(5):1769–73

Influence of temperature on platinum binding to DNA, cell killing, and mutation induction in Escherichia coli K–12 cells treated with cis–diamminedichloroplatinum(II). Brouwer J, et al. **Cancer Res** 1982 Jun;42(6):2416–9

Comparative studies of DNA cross–linking and cytotoxicity in Burkitt's lymphoma cell lines treated with cis–diamminedichloroplatinum(II) and L–phenylalanine mustard. Ducore JM, et al. **Cancer Res** 1982 Mar;42(3):897–902

Modification of the sensitivity and repair of potentially lethal damage by diethyldithiocarbamate during and following exposure of plateau–phase cultures of mammalian cells to radiation and cis–diamminedichloroplatinum(II). Evans RG, et al. **Cancer Res** 1982 Aug;42(8):3074–8

Actions of cis–diamminedichloroplatinum on cell surface nucleic acids in cancer cells as determined by cell electrophoresis techniques. Juckett DA, et al. **Cancer Res** 1982 Sep;42(9):3565–73

Immunochemical studies of DNA modified by cis–dichlorodiammineplatinum(II) in vivo and in vitro. Malfoy B, et al. **Cancer Res** 1981 Oct;41(10):4127–31

DNA supercoiling, shortening, and induction of single–strand regions by cis–diamminedichloroplatinum(II). Mong S, et al. **Cancer Res** 1981 Oct;41(10):4020–6

Time– and concentration–dependent inhibition of the clonogenic growth of N–[4–(5–nitro–2–furyl)–2–thiazolyl]formamide–induced murine bladder tumor cell lines by cis–diamminedichloroplatinum(II). Niell HB, et al. **Cancer Res** 1982 Mar;42(3):807–11

Heterogeneous chemosensitivities of subpopulations of human glioma cells in culture. Yung WK, et al. **Cancer Res** 1982 Mar;42(3):992–8

In vivo cell cycle phase–preferential killing of murine fibrosarcoma cells by cisplatin. Sigdestad CP, et al. **Cancer Treat Rep** 1981 Sep–Oct;65(9–10):845–51

Effect of cis–dichlorodiammine platinum(II) on the agglutinability of tumor and normal cells with concanavalin A and wheat germ agglutinin. Prasad SB, et al. **Chem Biol Interact** 1981 Sep;36(3):355–67

The mutagenic effect of platinum compounds in Drosophila melanogaster. Woodruff RC, et al. **Environ Mutagen** 1980;2(2):133–8

Effects of anticancer platinum compounds on Escherichia coli strains with normal and defective DNA repair capacity. Konishi H, et al. **Gan** 1981 Aug;72(4):627–30

Effect of cis–dichlorodiammineplatinum(II) on cloned ovarian adenocarcinoma cells of the rat in vitro. Sekiya S, et al. **Gynecol Oncol** 1981 Aug;12(1):14–22

Clinical pharmacology of bleomycin and cisplatin. Evans WE, et al. **Head Neck Surg** 1981 Nov–Dec;4(2):98–110 (117 ref.)

Some observations on the mechanisms of blocking of nuclear staining by cisplatin. Sumner AT. **Histochem J** 1982 Mar;14(2):283–99

Synergistic effect of cis–dichlorodiammineplatinum and 5–aza–2'–deoxycytidine on mouse leukemic cells in vivo and in vitro. Veselý J. **Int J Cancer** 1982 Jan 15;29(1):81–5

Alterations of gallium–67 uptake in tumors by cis–platinum. Noujaim AA, et al. **Int J Nucl Med Biol** 1981;8(4):289–93

Effect of cis–dichlorodiammine platinum II and X rays on mammalian cell survival. Carde P, et al. **Int J Radiat Oncol Biol Phys** 1981 Jul;7(7):929–33

Inactivation of the plasma protease inhibitor alpha 2–macroglobulin by the antitumor drug cis–dichlorodiamineplatinum(II). Gonias SL, et al. **J Biol Chem** 1981 Dec 10;256(23):12478–84

Cis–diamminedichlorplatinum–induced acute renal failure in the rat. Chopra S, et al. **Kidney Int** 1982 Jan;21(1):54–64

cis–Platinum(II)diamminodichloride–induced mutagenesis in E. coli K12: crowding depression of mutagenesis. Cunningham D, et al. **Mutat Res** 1981 Dec;84(2):273–82

Repair of trans–Pt(II) diamminedichloride DNA–protein crosslinks in normal and excision–deficient human cells. Fornace AJ Jr, et al. **Mutat Res** 1982 Jun;94(2):277–84

Genetic effects of some platinum co–ordination complexes on E.coli DNA as revealed by transformation studies. Hoekstra WP, et al. **Mutat Res** 1982 May;94(1):53–62

Anti–tumour alkylating agents act synergistically with methylxanthines on induction of sister–chromatid exchange in human lymphocytes. Mourelatos D, et al. **Mutat Res** 1982 May–Jun;104(4–5):243–7

Sister–chromatid exchange induction by cis–platinum/adriamycin cancer chemotherapy. Wiencke JK, et al. **Mutat Res** 1982 Apr;104(1–3):131–6

Cis–diamminedichloroplatinum (II) ototoxicity in the guinea pig. Estrem SA, et al. **Otolaryngol Head Neck Surg** 1981 Jul–Aug;89(4):638–45

Base–pair substitution hotspots in GAG and GCG nucleotide sequences in Escherichia coli K–12 induced by cis–diamminedichloroplatinum (II). Brouwer J, et al. **Proc Natl Acad Sci USA** 1981 Nov;78(11):7010–4

Effect of aqueous free radicals and cis–dichlorodiammineplatinum(II) on radiation–induced base release from DNA. Richmond RC, et al. **Radiat Res** 1981 Dec;88(3):476–88

Changes in renal handling of platinum in cisplatinum–treated rats following induction of metabolic acidosis or alkalosis. Bertolero F, et al. **Res Commun Chem Pathol Pharmacol** 1982 May;36(2):273–85

Resistance against cis–dichlorodiammineplatinum in cultured cells with a high content of metallothionein. Bakka A, et al. **Toxicol Appl Pharmacol** 1981 Nov;61(2):215–26

[On the biological action of transition metal complexes. 3. About the antiviral activity of cis–dichloro diammine platinum (II) (author's transl)] Tonew E, et al. **Zentral Bakteriol Mikrobiol Hyg [A]** 1981 Nov;250(4):417–24 (Eng. Abstr.) **(Ger)**

[Cis–dichlorodiammineplatinum, a representative of a new group of cytostatic drugs] Janas J. **Nowotwory** 1981 Jul–Dec;31(3–4):251–6 (31 ref.) **(Pol)**

THERAPEUTIC USE

Cis–platinum in the treatment of testicular and other cancers. Williams SD, et al. **Adv Intern Med** 1982;27:531–45 (63 ref.)

Cisplatin in the treatment of metastatic breast carcinoma: A prospective randomized trial of two dosage schedules. Forastiere AA, et al. **Am J Clin Oncol** 1982 Jun;5(3):243–7

Human tumor xenografts in athymic (nude) mice: chemotherapy trials in serially transplanted tumors. Azar HA, et al. **Ann Clin Lab Sci** 1982 Jan–Feb;12(1):51–9

Cisplatin and vindesine combination chemotherapy for advanced carcinoma of the lung: A randomized trial investigating two dosage schedules. Gralla RJ, et al. **Ann Intern Med** 1981 Oct;95(4):414–20

Preoperative cisplatin and bleomycin therapy in head and neck squamous carcinoma. Prognostic factors for tumor response. Baker SR, et al. **Arch Otolaryngol** 1981 Nov;107(11):683–9

Cisplatin therapy for adenoid cystic carcinoma. Schramm VL Jr, et al. **Arch Otolaryngol** 1981 Dec;107(12):739–41

Intra–arterial cisplatin treatment of adenoid cystic carcinoma. Sessions RB, et al. **Arch Otolaryngol** 1982 Apr;108(4):221–4

Chemotherapy of malignant ovarian tumors—therapeutic

results with cisplatin. Tanaka T, et al.
Asia Oceania J Obstet Gynaecol 1982 Mar;8(1):37–46

Studies on the resistance of a murine leukemia L1210 cell line cis–diamminedichloroplatinum (II). Eastman A, et al. **Biochem Pharmacol** 1981 Oct 1;30(19):2721–3

Use of high dose cis-dichlorodiammine platinum (II) (NSC—119875) following failure on previous chemotherapy for advanced carcinoma of the ovary. Barker GH, et al. **Br J Obstet Gynaecol** 1981 Dec; 88(12):1192–9

A phase 2 study of Cis-platinum in patients with recurrent bladder carcinoma. The London and Oxford Co-operative Urological Cancer Group. Oliver RT, et al. **Br J Urol** 1981 Oct;53(5):444–7

Phase II trial of cis–dichlorodiammineplatinum (II) in advanced malignant lymphoma: a study of the cancer and acute leukemia group B. Cavalli F, et al. **Cancer** 1981 Nov 1;48(9):1927–30

Long–lasting response to cis–platinum in recurrent malignant thymoma: case report. Cocconi G, et al. **Cancer** 1982 May 15;49(10):1985–7

Cis–platinum in treatment of advanced or recurrent squamous cell carcinoma of the cervix: a phase II study of the Gynecologic Oncology Group. Thigpen T, et al. **Cancer** 1981 Aug 15;48(4):899–903

Efficacy study of intensive cis–platin therapy in advanced non–small cell bronchogenic carcinoma. Vogl SE, et al. **Cancer** 1982 Jul 1;50(1):24–6

Treatment of small cell lung cancer with a combination of VP16–213 and cyclophosphamide with cisplatin or radiotherapy. Cortés Funes H, et al.
Cancer Chemother Pharmacol 1982;7(2–3):181–6

Treatment of diffuse pleural malignant mesothelioma by cis dichloro diammine platinum (C.D.D.P.) in nine patients. Dabouis G, et al. **Cancer Chemother Pharmacol** 1981; 5(3):209–10

VP16–213 combined with cis–platinum (CDDP) in the treatment of small cell carcinoma of the lung (SCLC). Madrigal PA, et al. **Cancer Chemother Pharmacol** 1982; 7(2–3):203–4

VP16–213, cisplatinum, and adriamycin salvage therapy of refractory and/or recurrent nonseminomatous germ cell neoplasms. Mortimer J, et al.
Cancer Chemother Pharmacol 1982;7(2–3):215–8

Mitomycin–C, bleomycin, vincristine, and cis–platinum in the treatment of advanced, recurrent squamous cell carcinoma of the cervix. Alberts DS, et al. **Cancer Clin Trials** 1981 Fall;4(3):313–6

Thoracic radiation therapy and Adriamycin/cisplatin–containing chemotherapy for locally advanced non–small–cell lung cancer. Eagan RT, et al. **Cancer Clin Trials** 1981 Winter;4(4):381–8

Synergistic effect of ricin in combination with daunorubicin, cis–dichlorodiammineplatinum(II) and vincristine in systemic L1210 leukemia. Fodstad O, et al. **Cancer Res** 1982 Jun;42(6):2152–8

Decreased cytotoxicity of cis–diamminedichloroplatinum(iI) by alpha–difluoromethylornithine depletion of polyamines in 9L rat brain tumor cells in vitro. Oredsson SM, et al. **Cancer Res** 1982 Apr;42(4):1296–9

Phase II trail cisplatin in refractory childhood cancer: Children's Cancer Study Group Report. Baum ES, et al. **Cancer Treat Rep** 1981 Sep–Oct;65(9–10):815–22

Combination cyclophosphamide, doxorubicin, and cisplatin (CAP) chemotherapy for extensive non–small cell carcinomas of the lung. Davis S, et al.
Cancer Treat Rep 1981 Nov–Dec;65(11–12):955–8

Phase II trial of cisplatin in small cell carcinoma of the lung. Levenson RM Jr, et al. **Cancer Treat Rep** 1981 Sep–Oct; 65(9–10):905–7

Pharmacokinetic evaluation of cisplatin in children with malignant solid tumors: a phase II study. Pratt CB, et al. **Cancer Treat Rep** 1981 Nov–Dec;65(11–12):1021–6

Clinical pharmacology and pharmacokinetics of cis–platinum and analogs. Ribaud P, et al. **Cancer Treat Rep** 1981;65 Suppl 3:97–105 (49 ref.)

Cisplatin treatment of cutaneous T–cell lymphoma [letter] Witman G, et al. **Cancer Treat Rep** 1981 Sep–Oct; 65(9–10):920

Renal excretion of magnesium and trace elements during cisplatin treatment. Zumkley H, et al. **Clin Nephrol** 1982 May;17(5):254–7

Diamminodichloride platinum (cis–platinum) in the treatment of hepatocellular carcinoma. Melia WM, et al.
Clin Oncol 1981 Dec;7(4):275–80

Chemosensitivity testing with CIS–platinum (2) diamminedichloride in squamous cell carcinoma of the cervix uteri. Yannopoulos K, et al.
Diagn Gynecol Obstet 1982 Summer;4(2):115–25

Clinical pharmacology of bleomycin and cisplatin. Evans WE, et al. **Drug Intell Clin Pharm** 1982 Jun;16(6):448–58 (118 ref.)

Cisplatin in patients with a non–functioning kidney. Buamah PK, et al. **Eur J Cancer Clin Oncol** 1981 Aug;17(8):933–4

Chemosensitivity testing with cis–platinum(II) diamminedichloride. I. A new concept in the treatment of carcinoma of the cervix. Cohen CJ, et al.
Gynecol Oncol 1982 Feb;13(1):1–9

Chemosensitivity testing with cis–platinum(II) diamminedichloride. II. Preliminary experience in the treatment of carcinoma of the cervix. Deppe G, et al.
Gynecol Oncol 1982 Feb;13(1):10–8

Impact of cisplatin multiagent chemotherapy and total parenteral hyperalimentation on bowel obstruction caused by ovarian cancer. Tunca JC. **Gynecol Oncol** 1981 Oct;12(2 Pt 1):219–21

cis–platinum and 5–fluorouracil as initial therapy in advanced epidermoid cancers of the head and neck. Weaver A, et al. **Head Neck Surg** 1982 May–Jun;4(5):370–3

Ultrastructural & fluorescence microscopical observations on the effect of cis–dichloro–diammine platinum (II) on the surface of tumor & normal cells. Sodhi A, et al.
Indian J Exp Biol 1981 Apr;19(4):328–32

Cytokinetic behavior of Ehrlich ascites tumor after in vivo treatment with cis–diamminedichloroplatinum(II) and metallocene dichlorides. Köpf–Maier P, et al.
J Cancer Res Clin Oncol 1981;102(1):21–30

Diamminodichloroplatinum combination chemotherapy in non–oat cell carcinoma of the lung. Vincent RG, et al. **J Surg Oncol** 1982 Jan;19(1):48–51

The use of cisplatinum for treatment of malignant glioma. Witman G, et al. **Med Hypotheses** 1982 Apr;8(4):335–41

Single–agent cis–platinum therapy for advanced ovarian cancer. Gershenson DM, et al. **Obstet Gynecol** 1981 Oct; 58(4):487–96

Cisplatin chemotherapy for disseminated endometrial cancer. Seski JC, et al. **Obstet Gynecol** 1982 Feb;59(2):225–8

Preliminary report on antitumorigenic activity of cis–dichlorodiamine platinum in metastatic brain tumors. Kolarić K, et al. **Tumori** 1981 Oct 31;67(5):483–6

Systemic mitomycin C versus cisplatin: comparison of antitumor activity in primary murine bladder cancer. Hopkins SC, et al. **Urology** 1982 Aug;20(2):157–9

[Platidiam – a new Czechoslovak–manufactured cytostatic] Jelínková A. **Cesk Gynekol** 1982 May;47(4):294–6 **(Cze)**

[Results of several times daily treatment by cisdiamine–platinum and bleomycin. Therapeutical considerations (author's transl)] Soudant J, et al.
Ann Otolaryngol Chir Cervicofac 1982;99(1–2):61–5 (Eng. Abstr.) **(Fre)**

[Randomized trial of vincristin–methotrexate–bleomycin and cis–platin or detorubicin for advanced head and neck cancer (author's transl)] Cappelaere P, et al.
Bull Cancer (Paris) 1981;68(5):422–7 (Eng. Abstr.) **(Fre)**

[Trial of the therapeutic efficacy of cis–diamino–dichloro–platinum by local instillations on bladder tumours recurring at the original site (author's transl)] Toulouse J, et al. **J Urol (Paris)** 1982;88(2):105–9 (Eng. Abstr.) **(Fre)**

[Treatment of advanced epidermoid carcinoma of the oesophagus with combined 5–fluorouracil, adriamycin and cis–platinum (FAP)] Gisselbrecht C, et al.
Nouv Presse Med 1982 May 22;11(24):1859–62 (Eng. Abstr.) **(Fre)**

[Induction chemotherapy with cis–platinum in head and neck tumors. First clinical and histopathologic findings (author's transl)] Böheim K, et al. **Arch Otorhinolaryngol** 1981; 233(1):31–40 (Eng. Abstr.) **(Ger)**

[Studies on the mammary tumor inhibiting effect of cis–dichlorobis(glycylglycinethylester)platinum(II) (author's transl)] Seidenberger H, et al.
Arch Pharm (Weinheim) 1981 Nov;314(11):955–67 (Eng. Abstr.) **(Ger)**

[Chemotherapy of malignant melanoma with cis–diaminodichloroplatinum and ifosfamid (author's transl)] Berdel WE, et al. **Dtsch Med Wochenschr** 1982 Jan 8;107(1):26–8 (Eng. Abstr.) **(Ger)**

[Carcinomatous meningeosis during cis–platinum treatment of gynaecological cancers (author's transl)] Kaufmann M, et al. **Geburtshilfe Frauenheilkd** 1982 Mar;42(3):166–8 (Eng. Abstr.) **(Ger)**

[Intraarterial therapy of maxillary adenoid cystic carcinoma using cis–platinum (author's transl)] von Scheel J, et al. **HNO** 1981 Sep;29(9):308–11 (Eng. Abstr.) **(Ger)**

[Pharmacokinetic of platin in plasma and urine of man under 1–, 8–, and 24 h–infusion with cis–dichlorodiamine–platin (II) (cis–DDP) (author's transl)] von Heyden HW, et al. **Klin Wochenschr** 1982 Mar 1;60(5):247–55 (Eng. Abstr.) **(Ger)**

[Preliminary results of a chemotherapy study of patients with squamous cell carcinoma in the head and neck region. Comparison of 2 therapeutic regimens: cis–diamminodichloroplatinum (iI) and bleomycin compared to methotrexate and vindesine] von Heyden HW, et al. **Onkologie** 1981 Dec;4(6):296–9 (Eng. Abstr.) **(Ger)**

[Chemotherapy of non–small–cell bronchial cancer with a combination of Cis–diamminedichloroplatinum (II) and VP 16–213] Joss R, et al. **Schweiz Med Wochenschr** 1981 Sep 5;111(36):1331–4 (Eng. Abstr.) **(Ger)**

[Preliminary evaluation of cisplatin in the treatment of malignant testicular neoplasms other than seminomas] Madej G, et al. **Pol Tyg Lek** 1981 Jun 29;36(26):967–70 (Eng. Abstr.) **(Pol)**

[Antineoplastic and toxic properties of phospholipid vesicles containing cis–dichlorodiaminoplatinum] Muzia GI, et al. **Biull Eksp Biol Med** 1981 Nov;92(11):590–3 (Eng. Abstr.) **(Rus)**

[Results of a clinical study of cis–diamminodichloroplatinum] Gorbunova VA, et al. **Vestn Akad Med Nauk SSSR** 1981; (7):72–6 (Eng. Abstr.) **(Rus)**

[Platinum derivatives in the clinical chemotherapy of malignant tumors] Gorbunova VA. **Vopr Onkol** 1982; 28(5):38–43 (Eng. Abstr.) **(Rus)**

TOXICITY

Renal complications of cis–diamminedichloroplatinum. Nitschke R. **Ann Clin Lab Sci** 1981 Sep–Oct;11(5):392–6

Methods of reduction of cisplatin nephrotoxicity. Walker EM Jr, et al. **Ann Clin Lab Sci** 1981 Sep–Oct;11(5):397–410 (99 ref.)

Nephrotoxicity of cis–diamminedichloride platinum (CDDP) during remission–induction and maintenance chemotherapy of testicular carcinoma. Meijer S, et al.
Cancer Chemother Pharmacol 1982;8(1):27–30

Circadian stage dependence of cis–diamminedichloroplatinum lethal toxicity in rats. Hrushesky WJ, et al. **Cancer Res** 1982 Mar;42(3):945–9

Reduction of cis–diamminedichloroplatinum nephrotoxicity in rats by optimal circadian drug timing. Levi FA, et al. **Cancer Res** 1982 Mar;42(3):950–5

Experimental ultrastructural and X–ray microanalysis study of cisplatin in the rat: intracellular localization of platinum. Berry JP, et al. **Cancer Treat Rep** 1982 Jul;66(7):1529–33

The inhibition of renal ATPase by cisplatin and some biotransformation products. Daley–Yates PT, et al.
Chem Biol Interact 1982 Jul 1;40(3):325–34

The role of DNA repair in the recovery of human cells from cisplatin toxicity. Pera MF Jr, et al. **Chem Biol Interact** 1981 Oct;37(1–2):245–61

Cytogenetic effects of cis–platinum(II)diamminedichloride in vivo. Morrison WD, et al. **Environ Mutagen** 1981; 3(3):265–74

The mutagenic effect of cis–diamminedichloroplatinum (II) and its degradation products in the Ames microbial assay. Peer RL, et al. **Environ Mutagen** 1981;3(5):555–63

Modulation of cis–platinum renal toxicity by the radioprotective agent WR 2721. Jordan SW, et al.
Exp Mol Pathol 1982 Jun;36(3):297–305

Cisplatin. **IARC Monogr Eval Carcinog Risk Chem Hum** 1981 May;26:151–64

Protection by sodium thiosulfate and thiourea against lethal toxicity of cis–diamminedichloroplatinum (II) in bacteria and mice. Ishizawa M, et al. **Jpn J Pharmacol** 1981 Dec; 31(6):883–9

Cyst formation in rat kidney induced by cis–platinum administration. Dobyan DC, et al. **Lab Invest** 1981 Sep; 45(3):260–8

Cytotoxicity of cisplatin in rat intestine. Choie DD, et al. **Toxicol Appl Pharmacol** 1981 Sep 15;60(2):354–9

cis–Dichlorodiammineplatinum nephrotoxicity: time course and dose response of renal functional impairment. Goldstein RS, et al. **Toxicol Appl Pharmacol** 1981 Sep 15;60(2):163–75

[Determination of cis–diamminedichloroplatinum compound toxicity in pigs from the viewpoint of pathomorphology] Neuhybel P, et al. **Vet Med (Praha)** 1982 May;27(5):275–82 (Eng. Abstr.) **(Cze)**

URINE

Circadian time dependence of cisplatin urinary kinetics. Hrushesky WJ, et al. **Clin Pharmacol Ther** 1982 Sep; 32(3):330–9

High–performance liquid chromatography of platinum complexes on solvent generated anion exchangers. III. Application to the analysis of cisplatin in urine using automated column switching. Riley CM, et al.
J Chromatogr 1982 May 14;229(2):373–86

DIAMORPHINE see **DIACETYLMORPHINE**

DIANHYDROGALACTITOL see under **SUGAR ALCOHOLS**

DIANISIDINE see under **BENZIDINES**

DIANISYL TRICHLOROETHANE see **METHOXYCHLOR**

DIAPER RASH

DIAGNOSIS

Seborrhoeic dermatitis and napkin dermatitis. Thomsen K. **Acta Derm Venereol [Suppl] (Stockh)** 1981;95:40–2

Diaper dermatitis. Schanzer MC, et al.
Am Fam Physician 1982 Apr;25(4):127–32

ETIOLOGY

Diaper dermatophytosis. Parry EL, et al. **Am J Dis Child** 1982 Mar;136(3):273–4

Trichophyton rubrum. Infection of the diaper area. Cavanaugh RM Jr, et al. **Arch Dermatol** 1982 Jun; 118(6):446

Napkin (diaper) dermatitis and gastrointestinal carriage of Candida albicans. Rebora A, et al. **Br J Dermatol** 1981 Nov;105(5):551–5

[Dermatitis of the diaper area] Ibarra Durán G, et al.
Bol Med Hosp Infant Mex 1981 Jan–Feb;38(1):183–90 (Eng. Abstr.) **(Spa)**

DIAPHANOSCOPY see **TRANSILLUMINATION**

DIAPHORASE see **LIPOAMIDE DEHYDROGENASE**

DIAPHRAGM

Splenosis on the right kidney and the diaphragmatic surface following traumatic rupture of the spleen. Nielsen JL. **Acta Chir Scand** 1981;147(8):721–4

Inversion of the right hemidiaphragm: additional articles [letter] Felson B. **AJR** 1982 Mar;138(3):595

The use of diaphragmatic pedicle grafts for reconstructive procedures in the esophagus and tracheobronchial tree. Westaby S, et al. **Ann Thorac Surg** 1982 May;33(5):486–90

Inversion of the right hemidiaphragm shown on ultrasound examination. Lowe SH, et al. **Br J Radiol** 1981 Sep; 54(645):754–7

A new technique for acute and chronic recording of crural diaphragm EMG in cats. Trelease RB, et al. **Electroencephalogr Clin Neurophysiol** 1982 Apr; 53(4):459–62

Thoraco–abdominal mass. Gordon LF, et al. **Invest Radiol** 1981 Nov–Dec;16(6):451–4

Dyspnoea during generalised spasms in tetraplegic patients. Silver JR, et al. **J Neurol Neurosurg Psychiatry** 1981 Sep; 44(9):842–5

Diaphragmatic pacing. A new procedure for high spinal cord lesions. Collier PS, et al. **Physiotherapy** 1982 Feb;68(2):47

[Foreign bodies of the diaphragm] Vagner EA, et al. **Klin Khir** 1981 Oct;(10):58 **(Rus)**

[Benign tumors and cysts of the diaphragm] Vagner EA, et al. **Sov Med** 1981;(9):120–2 **(Rus)**

ABNORMALITIES

Accessory diaphragm in an infant. Hart JC, et al. **J Pediatr Surg** 1981 Dec;16(6):947–9

Anteromedial diaphragmatic defects in infancy: current approaches to diagnostic imaging. Merten DF, et al. **Radiology** 1982 Feb;142(2):361–5

[The ultra–sound diagnosis of Meckel–syndrome (author's transl)] Pfeiffer KH, et al. **Geburtshilfe Frauenheilkd** 1982 Apr;42(4):301–4 (Eng. Abstr.) **(Ger)**

[The accessory diaphragm] Hartmann CA, et al. **ROFO** 1982 Jul;137(1):103–6 **(Ger)**

[Diaphragmatic hernia of Morgagni] Rodríguez Montes JA, et al. **Rev Esp Enferm Apar Dig** 1981 Jun;59(6):713–20 (Eng. Abstr.) **(Spa)**

ANALYSIS

Substance P–like immunoreactivity in the phrenic nerve and diaphragm: axonal transport of substance P in the phrenic nerve. Malthe–Sørenssen D, et al. **Neurosci Lett** 1982 Mar 5;28(3):269–74

A nerve stump dependent appearance of junctional and perijunctional acetylcholine receptors in organ culture. Olek AJ, et al. **Neuroscience** 1981;6(9):1771–82

ANATOMY & HISTOLOGY

Openings of the lumbar part of the diaphragm in primates. Kubasik–Juraniec J, et al. **Arch Ital Anat Embriol** 1981; 86(3):289–93

Effect of body weight and muscularity on human diaphragm muscle mass, thickness, and area. Arora NS, et al. **J Appl Physiol** 1982 Jan;52(1):64–70

BLOOD SUPPLY

Neural and metabolic control of blood flow to respiratory muscles of rabbits. DeHaan SJ, et al. **Proc Soc Exp Biol Med** 1981 Sep;167(4):485–92

[Clinical significance of inferior phrenic artery–pulmonary artery anastomoses in chronic inflammatory pulmonary diseases (author's transl)] Suzuki K, et al. **Rinsho Hoshasen** 1982 Apr;27(4):415–20 (Eng. Abstr.) **(Jpn)**

DRUG EFFECTS

Radiographic characterization of diaphragmatic excursion in halothane–anesthetized ponies: spontaneous and controlled ventilation systems. Benson GJ, et al. **Am J Vet Res** 1982 Apr;43(4):617–21

Aminophylline [letter] Rosko TJ. **Anesth Analg (Cleve)** 1982 Mar;61(3):307–8

Aminophylline improves diaphragmatic contractility [letter] Mattikow MS. **N Engl J Med** 1981 Nov 26;305(22):1349–50

[Effect of anabolic steroids on the rabbits with cholesterol atherosclerosis] Dubinskii AA, et al. **Biull Eksp Biol Med** 1982 Mar;93(3):23–4 **(Rus)**

EMBRYOLOGY

Effects of hypercapnia on tracheal pressure, diaphragm and intercostal electromyograms in unanaesthetized fetal lambs. Dawes GS, et al. **J Physiol (Lond)** 1982 May;326:461–74

GROWTH & DEVELOPMENT

Activity, molecular forms, and cytochemistry of cholinesterases in developing rat diaphragm. Brzin M, et al. **Muscle Nerve** 1981 Nov–Dec;4(6):505–13

INJURIES

Diaphragmatic avulsion following decortication. A case review of acute nontuberculous empyema. Mayo P, et al. **Ala J Med Sci** 1982 Jan;19(1):81–2

Traumatic rupture of the diaphragm: Waterbury Hospital Health Center, 1960 through 1979. Shieh CJ, et al. **Conn Med** 1982 Mar;46(3):125–30

Rupture of the diaphragm in blunt injuries of the trunk. Brearley S, et al. **Injury** 1981 May;12(6):480–4

Blunt traumatic rupture of the right ventricle, with intrapericardial rupture of the diaphragm: successful surgical repair. Le Treut YP, et al. **Injury** 1981 Jul; 13(1):66–8

Traumatic rupture of the diaphragm. Williams RS. **Med J Aust** 1982 Mar 6;1(5):208–11

Traumatic rupture of the diaphragm. Arendrup HC, et al. **Surg Gynecol Obstet** 1982 Apr;154(4):526–30

Diaphragmatic rupture due to blunt abdominal trauma. de la Rocha AG, et al. **Surg Gynecol Obstet** 1982 Feb; 154(2):175–80

[Traumatic rupture of the diaphragm. An unusual case of diagnosis delayed 25 days because of artificial ventilation] Arendrup H, et al. **Ugeskr Laeger** 1981;143(34):2152–3 (Eng. Abstr.) **(Dan)**

[Left sided ventricular rupture with pericardial–diaphragm injury] Anders A, et al. **Chirurg** 1981 Oct;52(10):654–7 **(Ger)**

[Radiological and clinical aspects of diaphragmatic injuries (author's transl)] Christ F, et al. **ROFO** 1981 Sep; 135(3):301–10 (Eng. Abstr.) **(Ger)**

[An unusual case of long–standing traumatic rupture of the diaphragm (author's transl)] Moritz E, et al. **Wien Klin Wochenschr** 1981 Mar 6;93(5):170–2 (Eng. Abstr.) **(Ger)**

[Traumatic rupture of the left hemidiaphragm associated with intrapericardial hernia] Dei Poli M, et al. **Minerva Chir** 1982 Apr 15;37(7):657–61 (Eng. Abstr.) **(Ita)**

[Thoraco–abdominal wound with injuries of the diaphragm and abdominal organs] Fishchenko AIa. **Khirurgiia (Mosk)** 1981 Aug;(8):108 **(Rus)**

[Diaphragmatic rupture in combined injuries] Klush T, et al. **Vestn Khir** 1981 Nov;127(11):65–6 **(Rus)**

INNERVATION

Diaphragm pacing in ventilatory failure. Lozewicz S, et al. **Br Med J [Clin Res]** 1981 Oct 17;283(6298):1015–6

The effect of glucocorticoid treatment on denervated rat hemidiaphragm. Drakontides AB. **Brain Res** 1982 May 6; 239(1):175–89

Diaphragm pacing in spinal muscular atrophy: case report. Richardson RR, et al. **Neurosurgery** 1981 Sep;9(3):317–9

[Hiccup as a complication of displaced cardiac pacemaker electrode] Eliraz A, et al. **Harefuah** 1981 Apr 1; 100(7):335–6 (Eng. Abstr.) **(Heb)**

METABOLISM

Effects of glucose, pyruvate, lactate, and amino acids on muscle protein synthesis. Hedden MP, et al. **Am J Physiol** 1982 Mar;242(3):E184–92

Accelerated degradation of junctional acetylcholine receptor–alpha–bungarotoxin complexes in denervated rat diaphragm. Brett RS, et al. **Brain Res** 1982 Feb 4; 233(1):133–42

The pathophysiology of inspiratory muscle fatigue. Macklem PT, et al. **Ciba Found Symp** 1981;(82):249–63

Inhibitory effect of 5–thio–D–glucose on glucose uptake, oxidation & glucose incorporation into glycogen by rat diaphragm in vitro. Veeraraghavan K, et al. **Indian J Biochem Biophys** 1981 Oct;18(5):359–62

Effect of some new antibilharzial drugs on oxygen consumption of mouse diaphragm and liver homogenates in experimental bilharziasis. Amin SM, et al. **J Egypt Soc Parasitol** 1982 Jun;12(1):107–14

PATHOLOGY

Catamenial pneumothorax: the roles of diaphragmatic defects and endometriosis. Slasky BS, et al. **AJR** 1982 Apr; 138(4):639–43

Disruption of the diaphragmatic echoes: a sonographic sign of diaphragmatic disease. Worthen NJ, et al. **JCU** 1982 Feb;10(2):43–5

[Extrinsic compression syndrome of the celiac trunk. Analysis of etiopathogenic theories] Matesanz Matesanz JM, et al. **Rev Esp Enferm Apar Dig** 1982 Apr;61(4):341–7 (Eng. Abstr.) **(Spa)**

PHYSIOLOGY

Diaphragmatic EMG and transdiaphragmatic pressure measurements with a single catheter. Onal E, et al. **Am Rev Respir Dis** 1981 Nov;124(5):563–5

Relationship of rib cage and abdomen motion to diaphragm function during quiet breathing. Gilbert R, et al. **Chest** 1981 Nov;80(5):607–12

Respiratory muscle function in health and disease. Luce JM, et al. **Chest** 1982 Jan;81(1):82–90 (32 ref.)

Nonhomogeneous alveolar pressure swings: effect of different respiratory muscles. Brown R, et al. **J Appl Physiol** 1982 Mar;52(3):638–41

Pattern of diaphragmatic activity during forced expiratory vital capacity. Melissinos CG, et al. **J Appl Physiol** 1981 Dec;51(6):1515–25

Measuring ventilatory muscle endurance in humans as sustainable inspiratory pressure. Nickerson BG, et al. **J Appl Physiol** 1982 Mar;52(3):768–72

The diaphragm in health and disease. Macklem PT. **J Lab Clin Med** 1982 May;99(5):601–10

Oesophageal and diaphragmatic activity during sucking in lambs. Harding R, et al. **J Physiol (Lond)** 1981 Dec; 321:317–29

Diaphragmatic EMG in studies of inspiratory 'off–switch' threshold in humans. Onal E, et al. **Lung** 1981;159(5):265–73

The respiratory muscles. Roussos C, et al. **N Engl J Med** 1982 Sep 23;307(13):786–97 (86 ref.)

Reflex inhibition of the diaphragm by esophageal afferents. De Troyer A, et al. **Neurosci Lett** 1982 May 17;30(1):43–6

Response of ventilatory muscles of the rat to endurance training. Moore RL, et al. **Pflugers Arch** 1982 Jan; 392(3):268–71

Limitations of measurement of transdiaphragmatic pressure in detecting diaphragmatic weakness. De Troyer A, et al. **Thorax** 1981 Mar;36(3):169–74

Normal and abnormal function of the diaphragm. Macklem PT. **Thorax** 1981 Mar;36(3):161–3

Contractile properties and fatigue of the diaphragm in man. Moxham J, et al. **Thorax** 1981 Mar;36(3):164–8

Maximum contractile force of human diaphragm muscle, determined in vivo. Rochester DF, et al. **Trans Am Clin Climatol Assoc** 1981;93:200–8

[Development of respiratory muscle activity in infants] Maillard D. **Electrodiagn Ther** 1981;18(2):71–8 **(Fre)**

[Importance of the receptors in the chest wall for regulating diaphragmatic excitation in the early stages of postnatal ontogeny] Shimaraeva TN. **Fiziol Zh SSSR** 1982 May; 68(5):610–5 (Eng. Abstr.) **(Rus)**

[Respiratory muscles revisited (author's transl)] Ferretti R. **Rev Med Chil** 1981 May;109(5):475–6 **(Spa)**

[Function of respiratory muscles (author's transl)] Lisboa C, et al. **Rev Med Chil** 1981 May;109(5):476–81 (Eng. Abstr.) **(Spa)**

PHYSIOPATHOLOGY

Diaphragm pacing in the injury of the upper cervical spin. A case report. Solgaard T, et al. **Acta Neurol Scand** 1981 Jul;64(1):79

Electrical and mechanical activity of the diaphragm accompanying body position in severe chronic obstructive pulmonary disease. Druz WS, et al. **Am Rev Respir Dis** 1982 Mar;125(3):275–80

Static transdiaphragmatic pressures in normal subjects and in patients with chronic hyperinflation. Gibson GJ, et al. **Am Rev Respir Dis** 1981 Dec;124(6):685–9

The failing inspiratory muscles under normoxic and hypoxic conditions. Jardim J, et al. **Am Rev Respir Dis** 1981 Sep; 124(3):274–9

Contractile function and fatigue of the respiratory muscles in man. Moxham J, et al. **Ciba Found Symp** 1981; (82):197–212

Neural drive and electromechanical alterations in the fatiguing diaphragm. Roussos C, et al. **Ciba Found Symp** 1981;(82):213–33

Motor disturbances of the diaphragm. Shim C. **Clin Chest Med** 1980 Jan;1(1):125–9 (33 ref.)

Diaphragm electrical activity during negative lower torso pressure in quadriplegic men. Banzett RB, et al. **J Appl Physiol** 1981 Sep;51(3):654–9

Effects of streptozotocin diabetes, insulin treatment, and training on the diaphragm. Ianuzzo CD, et al. **J Appl Physiol** 1982 Jun;52(6):1471–5

Synergistic behavior of inspiratory muscles after diaphragmatic fatigue in the newborn. Lopes JM, et al. **J Appl Physiol** 1981 Sep;51(3):547–51

Electromyographic investigation of the diaphragm and intercostal muscles in tetraplegics. Silver JR, et al. **J Neurol Neurosurg Psychiatry** 1981 Sep;44(9):837–42

Diaphragm strength in near–miss sudden infant death syndrome. Scott CB, et al. **Pediatrics** 1982 Jun;69(6):782–4

Respiratory muscle function and ventilatory control. I in patients with motor neurone disease. II in patients with myotonic dystrophy. Serisier DE, et al. **Q J Med** 1982 Spring;51(202):205–26

[Effects of voluntary ventilation predominantly thoracic or diaphragmatic on chronic obstructive bronchopathies] Grassino A, et al. **Rev Fr Mal Respir** 1980;8(6):445–51 **(Fre)**

RADIOGRAPHY

Computed tomographic detection of retrocrural air. Silverman PM, et al. **AJR** 1982 May;138(5):825–7

Pseudomass of the left upper quadrant from inversion of the left hemidiaphragm: CT diagnosis. Dallemand S, et al. **Gastrointest Radiol** 1982;7(1):57–9

[Radiological sign of left diaphragmatic dome indentation by enlarged left cardiac ventricle. Part I. Anatomical elements of the sign (author's transl)] Dobek J, et al. **Pol Przegl Radiol** 1981 Nov–Dec;45(6):317–24 (Eng. Abstr.) **(Pol)**

[Radiological sign of the left diaphragmatic dome indentation by enlarged left cardiac ventricle. Part II. Diagnostic value of the sign (author's transl)] Dobek J, et al. **Pol Przegl Radiol** 1981 Nov–Dec;45(6):325–9 (Eng. Abstr.) **(Pol)**

RADIONUCLIDE IMAGING

Liver scans in evaluation of lesions of the diaphragm. Levinson ED, et al. **Clin Nucl Med** 1981 Nov;6(11):525–7

SURGERY

Malignant hyperthermia triggered by cyclopropane during cesarean section. Lips FJ, et al. **Anesthesiology** 1982 Feb; 56(2):144–6

Diaphragmatic paralysis managed by diaphragmatic replacement. Bowen TE, et al. **Ann Thorac Surg** 1982 Feb; 33(2):184–8

Aggressive treatment of acquired phrenic nerve paralysis in infants and small children. Shoemaker R, et al. **Ann Thorac Surg** 1981 Sep;32(3):250–9

Modified anterior crural repair for hiatal hernia. Wilbee RH. **Arch Surg** 1982 Apr;117(4):510–1

Diaphragmatic muscle in cardiac surgery [letter] Dorsey JS, et al. **J Thorac Cardiovasc Surg** 1981 Dec;82(6):941–2

Glutaraldehyde-preserved heterologous pericardium for the repair of diaphragmatic defects: experimental study. Gallo JI, et al. **J Thorac Cardiovasc Surg** 1982 Jun;83(6):905–8

Prosthetic replacement of .ntire left hemidiaphragm in malignant fibrous histiocytoma of the diaphragm. Tanaka F, et al. **J Thorac Cardiovasc Surg** 1982 Feb;83(2):278–84

Eventration of the diaphragm after intercostal drainage, with electromyographic investigation. Bar-Maor JA, et al. **Z Kinderchir** 1981 Aug;33(4):359–62

[Use of B. V. Petrovskii's esophagocardiodiaphragmoplasty on 2 children with cardiospasm] Ivanchev I, et al. **Khirurgiia (Sofiia)** 1982;35(2):154–8 (Eng. Abstr.) **(Bul)**

ULTRASTRUCTURE

Ontogenesis of mitochondrial reticulum in rat diaphragm muscle. Bakeeva LE, et al. **Eur J Cell Biol** 1981 Aug; 25(1):175–81

DIAPHRAGMATIC EVENTRATION

Eventration of diaphragm. Ramakrishnan MS. **Ann Acad Med Singapore** 1981 Oct;10(4):409–12

COMPLICATIONS

Colobomatous microphthalmos with diaphragmatic eventration (a case report). Radhakrishnan N. **Indian J Ophthalmol** 1981 Jan;28(4):221–2

DIAGNOSIS

Anteromedial diaphragmatic defects in infancy: current approaches to diagnostic imaging. Merten DF, et al. **Radiology** 1982 Feb;142(2):361–5

[The use of EMG in eventration of the diaphragm in adults (author's transl)] Witz JP, et al. **Ann Chir** 1982 Feb; 36(2):91–4 (Eng. Abstr.) **(Fre)**

[Diagnosis and treatment of hernias of the esophageal hiatus and of chalasia of the cardia] Rychagov GP. **Klin Khir** 1981 Oct;(10):68 **(Rus)**

[Rare case of complete right-sided diaphragmatic relaxation simulating the clinical picture of chronic appendicitis] Riabkov IA, et al. **Vestn Khir** 1981 Nov;127(11):66–8 **(Rus)**

ETIOLOGY

[Diaphragmatic eventration and phrenic paralysis in children (author's transl)] Jaubert de Beaujeu M, et al. **Ann Pediatr (Paris)** 1982 Mar;29(3):197–201 (Eng. Abstr.) **(Fre)**

PHYSIOPATHOLOGY

Motor disturbances of the diaphragm. Shim C. **Clin Chest Med** 1980 Jan;1(1):125–9 (33 ref.)

PREVENTION & CONTROL

[Prevention of diaphragmatic eventration following topical cooling of the myocardium with ice slush] Asao M, et al. **Kyobu Geka** 1982;35(6):466–7 **(Jpn)**

RADIOGRAPHY

CT findings in partial eventration of the right diaphragm. Rubinstein ZJ, et al. **J Comput Assist Tomogr** 1981 Oct; 5(5):719–21

[Diaphragmatic eventration of the right-side cupola] Lamesch A, et al. **Pediatrie** 1981 Jul-Aug;36(5):393–8 (Eng. Abstr.) **(Fre)**

SURGERY

[Eventration of diaphragm (author's transl)] Wu WJ. **Chung Hua Wai Ko Tsa Chih** 1981 Oct;19(10):590–2 (Eng. Abstr.) **(Chi)**

[Eventration of the diaphragm in the adult – twenty cases (author's transl)] Donzeau-Gouge GP, et al. **Ann Chir** 1982 Feb;36(2):87–90 (Eng. Abstr.) **(Fre)**

[Diaphragmatic paralysis and eventration (author's transl)] Huault G, et al. **Ann. Chir** 1982 Feb;36(2):79–83 (Eng. Abstr.) **(Fre)**

[Surgical management of palsy and symptomatic phrenic dehiscence in infants (author's transl)] Jarry JM, et al. **Ann Chir** 1982 Feb;36(2):75–8 (Eng. Abstr.) **(Fre)**

[Diaphragmatic eventration in adults treated by plication. Post-operative long-term results (author's transl)] Pastor J, et al. **Ann Chir** 1982 Feb;36(2):84–5 (Eng. Abstr.) **(Fre)**

[Infantile phrenic dehiscence. Study of 36 cases between 1951 and 1980 (author's transl)] Revillon Y, et al. **Ann Chir** 1982 Feb;36(2):71–4 (Eng. Abstr.) **(Fre)**

[Surgical repair of diaphragmatic eventration (author's transl)] Nakahara K, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1981 Jun;29(6):1005–11 (Eng. Abstr.) **(Jpn)**

THERAPY

[Cuffed endotracheal cannula. Use in four cases of acute neo-natal respiratory insufficiency (author's transl)] Granry JC, et al. **Anesth Analg (Paris)** 1981;38(9-10):563–4 (Eng. Abstr.) **(Fre)**

DIAPHRAGMATIC HERNIA see **HERNIA, DIAPHRAGMATIC**

DIAPHRAGMATIC HERNIA, TRAUMATIC see **HERNIA, DIAPHRAGMATIC, TRAUMATIC**

DIAPHRAGMATIC PARALYSIS see **RESPIRATORY PARALYSIS**

DIAPHYSEAL ACLASIS see **EXOSTOSES, MULTIPLE**

DIAPHYSEAL DYSPLASIA, PROGRESSIVE see under **BONE DISEASES, DEVELOPMENTAL**

DIARRHEA

The clinical approach to the evaluation of diarrhea. Owens FJ Sr. **Primary Care** 1981 Jun;8(2):285–307 (22 ref.)

[Infectious diarrheal diseases. Diagnosis and treatment] Stiehl A. **ZFA (Stuttgart)** 1982 Apr 20;58(11):595–600 **(Ger)**

CHEMICALLY INDUCED

The association between antibiotic- associated diarrhoea and C. difficile toxin in children. Don GJ, et al. **Aust NZ J Med** 1981 Aug;11(4):433–4

A simple controlled method for the clinical evaluation of antidiarrheal drugs. St. John LaCorte W, et al. **Clin Pharmacol Ther** 1982 Jun;31(6):766–9

Studies on mechanisms of diarrhea induced by fusarenon-X, a trichothecene mycotoxin from Fusarium species; characteristics of increased intestinal absorption rate induced by fusarenon-X. Matsuoka Y, et al. **J Pharmacobiodyn** 1982 Mar;5(3):193–9

Laxative-like effects of nonsteroidal anti-inflammatory drugs on intestinal fluid movement and membrane integrity. Gullikson GW, et al. **J Pharmacol Exp Ther** 1982 Feb; 220(2):236–42

A semichronic diarrheal model. Mir GN, et al. **J Pharmacol Methods** 1982 Mar;7(2):115–20

Glucagon, diarrhea, and cerebral symptoms [letter] Levenstein S. **JAMA** 1981 Oct 2;246(14):1545–6

Gastrointestinal reactions to cefoperazone [letter] Raab TA. **Lancet** 1982 Mar 27;1(8274):740–1

Vitamin C, titrating to bowel tolerance, anascorbemia, and acute induced scurvy. Cathcart RF. **Med Hypotheses** 1981 Nov;7(11):1359–76

'Pink' diarrhoea: osmotic diarrhoea from a sorbitol-containing vitamin C supplement. Hill RE, et al. **Med J Aust** 1982 May 1;1(9):387–9

Antibiotic-associated diarrhoea and methicillin-resistant Staphylococcus aureus. McDonald M, et al. **Med J Aust** 1982 May 29;1(11):462–4

[Severe diarrhea associated with antibiotics] Beaudoin M, et al. **Union Med Can** 1981 Oct;110(10):914–9 (Eng. Abstr.) **(Fre)**

[Colonic diseases caused by antibiotics: review of the literature and personal cases] Insinna F, et al. **Clin Ter** 1981 Jun 15;97(5):481–93 (43 ref.) (Eng. Abstr.) **(Ita)**

COMPLICATIONS

Forty years of diarrhoea in a patient with urticaria pigmentosa. Mahood JM, et al. **Acta Derm Venereol (Stockh)** 1982;62(3):264–5

Hyperuricemia in diarrheal dehydration. Adler R, et al. **Am J Dis Child** 1982 Mar;136(3):211–3

Nosocomial hepatitis A transmission by an adult patient with diarrhea. Goodman RA, et al. **Am J Med** 1982 Aug; 73(2):220–6

Synergistic impact of measles and diarrhoea on nutrition and mortality in Bangladesh. Koster FT, et al. **Bull WHO** 1981; 59(6):901–8

Protein energy malnutrition related to diarrhea in Thai children. Tontisirin K, et al. **J Nutr Sci Vitaminol (Tokyo)** 1981;27(6):513–20 (12 ref.)

Faecal incontinence: the unvoiced symptom. Leigh RJ, et al. **Lancet** 1982 Jun 12;1(8285):1349–51

Maintenance fluids and the management of diarrheal dehydration. Boineau FG, et al. **Pediatr Ann** 1981 Aug; 10(8):280–8

[Structural and ultrastructural findings concerning pancreatic neoplasms associated with the WDHA syndrome (watery diarrhea-hypokalemia-achlorhydria syndrome)] Bani Sacchi T, et al. **Pathologica** 1980 Nov-Dec;72(1022):749–97 (53 ref.) (Eng. Abstr.) **(Ita)**

[Status of the coagulant and anticoagulant systems of the blood in experimental acute intestinal dehydration of the body] Pastorova VE, et al. **Biull Eksp Biol Med** 1981 Sep; 92(9):287–9 (Eng. Abstr.) **(Rus)**

DIAGNOSIS

Acute diarrhoea in adults. Doe WF, et al. **Aust Fam Physician** 1981 Jun;10(6):438–46

A report of five patients with large-volume secretory diarrhea but no evidence of endocrine tumor or laxative abuse. Read NW, et al. **Dig Dis Sci** 1982 Mar;27(3):193–201

Prostaglandin E2 in jejunal fluids and its potential diagnostic value for selecting patients with indomethacin-sensitive diarrhoea. Bukhave K, et al. **Eur J Clin Invest** 1981 Jun; 11(3):191–7

Office-based management of diarrhea. Bond JH. **Geriatrics** 1982 Feb;37(2):52–5, 61–4

Role of amoebic antigen in diagnosis of bloody diarrhoea. Kaur U, et al. **Indian J Med Res** 1982 Feb;75:223–6

Necrotising enterocolitis in older infants. Kalani BP, et al. **Indian Pediatr** 1981 Aug;18(8):587–91

A practical approach to the diagnosis and treatment of diarrhea--1982. Carlisle WR. **J Med Assoc State Ala** 1982 May;51(11):51–2

Rapid and reliable method for diagnostic electron microscopy of faeces. Gbewonyo AJ. **J Microsc** 1982 May; 126(Pt 2):191–5

Identification of enterotoxigenic Escherichia coli by serogrouping [letter] Berry RJ, et al. **Lancet** 1982 May 15; 1(8281):1124–5

A simple assay to detect Escherichia coli producing heat labile enterotoxin: results of a field study of the Biken tests in Bangladesh. Honda T, et al. **Lancet** 1981 Sep 19; 2(8247):609–10

Chronic diarrhea. Ament ME, et al. **Pediatr Ann** 1982 Jan; 11(1):124–31

Seventy-three year old caucasian female with abdominal cramps and diarrhea. Rydberg M, et al. **SD J Med** 1981 Jul;34(7):5–9

[Chronic diarrhea. New aspects of diagnosis and therapy] Ruppin H, et al. **Fortschr Med** 1981 Oct 15;99(39):1583–8 **(Ger)**

[Clinical aspects and therapy of infections of the gastrointestinal tract] Riecken EO. **Internist (Berlin)** 1982 Jan;23(1):13–8 **(Ger)**

[Diarrheic syndrome and beta cell tumors of the pancreas: the Verner-Morrison syndrome: report of a case] Machado MC, et al. **Rev Hosp Clin Fac Med Sao Paulo** 1981 Apr; 36(2):78–85 (Eng. Abstr.) **(Por)**

DIET THERAPY

[Special milk formulas in the dietary treatment of diarrhea in infants (author's transl)] Braun OH, et al. **Monatsschr Kinderheilkd** 1981 Aug;129(8):467–71 (Eng. Abstr.) **(Ger)**

DRUG THERAPY

Treatment of Clostridium difficile colitis and diarrhea with vancomycin. Silva J Jr, et al. **Am J Med** 1981 Nov; 71(5):815–22

Clonidine and lidamidine to inhibit watery diarrhea in a patient with lung cancer. McArthur KE, et al. **Ann Intern Med** 1982 Mar;96(3):323–5

A double-blind crossover study of the effect of loperamide hydrochloride and codeine phosphate on ileostomy output. King RF, et al. **Aust NZ J Surg** 1982 Apr;52(2):121–4

Immunizations and chemoprophylaxis for travelers. **Conn Med** 1982 Jun;46(6):349–51

The use of chlorpromazine in the treatment of cholera and other severe acute watery diarrheal diseases. Islam MR, et al. **Gastroenterology** 1982 Jun;82(6):1335–40

Phenelzine treatment of depression with chronic diarrhea. Weiss KJ, et al. **J Clin Psychiatry** 1982 Jun;43(6):250–1

Use of Pepto-Bismol in diarrhea [letter]. Arndt WF Jr, et al. **J Pediatr** 1982 May;100(5):839

Inhibition of intestinal secretion in the dog: a new approach for the management of diarrheal states. Gullikson GW, et al. **J Pharmacol Exp Ther** 1981 Dec;219(3):591–7

Metabolic acidosis in patients with the carcinoid syndrome: treatment with parachlorophenylalanine. Feldman JM. **J Surg Oncol** 1982 Apr;19(4):219–23

Loperamide--what does it block? [editorial] **Lancet** 1981 Nov 14;2(8255):1088–9

Loperamide and calmodulin [letter] Merritt JE, et al. **Lancet** 1982 Jan 30;1(8266):283

Treatment of travelers' diarrhea with trimethoprim/sulfamethoxazole and with trimethoprim alone. DuPont HL, et al. **N Engl J Med** 1982 Sep 30; 307(14):841–4

Travellers' diarrhea [editorial] Gorbach SL. **N Engl J Med** 1982 Sep 30;307(14):881–3

Treatment of experimentally induced enterotoxigenic Escherichia coli diarrhea with trimethoprim, trimethoprim-sulfamethoxazole, or placebo. Black RE, et al. **Rev Infect Dis** 1982 Mar-Apr;4(2):540–5

[Methodology and results of a post-marketing drug study in diarrhoeal disease of children (author's transl)] Auget JL, et al. **Therapie** 1981 Jul-Aug;36(4):421–8 (Eng. Abstr.) **(Fre)**

[Clinical results with loperamide in the treatment of chronic diarrhoea of varied aetiology (author's transl)] Ferenci P, et al. **Wien Klin Wochenschr** 1982 Mar 19;94(6):148–50 (Eng. Abstr.) **(Ger)**

[Evaluation of the effectiveness of loperamide in the treatment of acute diarrheas] Saba P, et al. **Minerva Dietol Gastroenterol** 1982 Apr-Jun;28(2):153–8

(Eng. Abstr.) **(Ita)**

[Double-blind evaluation of the effectiveness of lidamidine hydrochloride (WHR-1142A) vs loperamide vs. placebo in the treatment of acute diarrhea] Heredia Díaz JG, et al. **Salud Publica Mex** 1981 Sep-Oct;23(5):483-91 (Eng. Abstr.) **(Spa)**

ETIOLOGY

Role of bile acids in the pathogenesis of diarrhoea in various diseases. Chadwick VS, et al. **Acta Gastroenterol Belg** 1981 Jan-Feb;44(1-2):43-8

Longitudinal studies of infectious diseases and physical growth of children in rural Bangladesh. II. Incidence of diarrhea and association with known pathogens. Black RE, et al. **Am J Epidemiol** 1982 Mar;115(3):315-24

A prospective study of the risk of diarrheal diseases according to the nutritional status of children. Chen LC, et al. **Am J Epidemiol** 1981 Aug;114(2):284-92

Vibrio parahaemolyticus: a major cause of travelers' diarrhea in Bangkok. Sriratanaban A, et al. **Am J Trop Med Hyg** 1982 Jan;31(1):128-30

Traveller's diarrhoea with a vengeance in children of UK immigrants visiting their parental homeland. Hutchins P, et al. **Arch Dis Child** 1982 Mar;57(3):208-11

Clostridium difficile colitis associated with cancer chemotherapy. Cudmore MA, et al. **Arch Intern Med** 1982 Feb;142(2):333-5

A prospective study of persistent diarrhoea. Bolin TD, et al. **Aust NZ J Med** 1982 Feb;12(1):22-6

Clostridium difficile in association with sporadic diarrhoea. Brettle RP, et al. **Br Med J [Clin Res]** 1982 Jan 23; 284(6311):230-3

Spirochaetosis: a remediable cause of diarrhoea and rectal bleeding? Douglas JG, et al. **Br Med J [Clin Res]** 1981 Nov 21;283(6303):1362

Spirochaetosis: a remediable cause of diarrhoea and rectal bleeding? [letter] Tomkins DS, et al. **Br Med J [Clin Res]** 1982 Jan 2;284(6308):52

Clostridium difficile: epidemiology and clinical features. Marrie TJ, et al. **Can J Surg** 1982 Jul;25(4):438-42

Role of prostaglandins in bile salt-induced changes in rat colonic structure and function. Rampton DS, et al. **Clin Sci** 1981 Nov;61(5):641-8

Antimicrobial agent-associated colitis and diarrhea. George WL. **Compr Ther** 1981 Aug;7(8):33-9

Bile acid malabsorption and bile acid diarrhea in intestinal resection. Aldini R, et al. **Dig Dis Sci** 1982 Jun; 27(6):495-502

New method for the determination of bile acid turnover using 75Se-homocholic acid taurine. Delhez H, et al. **Eur J Nucl Med** 1982;7(6):269-71

Intractable diarrhoea in a patient with vasoactive intestinal peptide-secreting neuroblastoma. Attempted control by somatostatin. Tiedemann K, et al. **Eur J Pediatr** 1981 Oct; 137(2):217-9

Polle syndrome: chronic diarrhea in Munchausen's child. Ackerman NB Jr, et al. **Gastroenterology** 1981 Dec; 81(6):1140-2

Primary bile acid malabsorption: defective in vitro ileal active bile acid transport. Heubi JE, et al. **Gastroenterology** 1982 Oct;83(4):804-11

Pathophysiologic and ultrastructural basis for intestinal symptoms in Fabry's disease. O'Brien BD, et al. **Gastroenterology** 1982 May;82(5 Pt '):957-62

Herpesvirus colitis: a new cause of diarrhoea in a patient with Hodgkin's disease. Boulton AJ, et al. **Gut** 1982 Mar; 23(3):247-9

Practical implication of milk intolerance in diarrhea. Ghai OP, et al. **Indian Pediatr** 1982 Jan;19(1):89-93

Experimental Campylobacter diarrhea in chickens. Ruiz-Palacios GM, et al. **Infect Immun** 1981 Oct; 34(1):250-5

Kinetics of early cholera infection in the removable intestinal tie-adult rabbit diarrhea model. Spira WM, et al. **Infect Immun** 1982 Mar;35(3):952-7

Clinical and serological studies in patients with Campylobacter fetus ssp. jejuni infection: I. Clinical findings. Pitkänen T, et al. **Infection** 1981;9(6):274-8

Dried skimmed milk, breast-feeding and illness episodes--a controlled trial in young children in Khartoum Province, Sudan. Zumrawi F, et al. **Int J Epidemiol** 1981 Dec; 10(4):303-8

Review: prostaglandins in diarrheal states. Korman SH, et al. **Isr J Med Sci** 1981 Dec;17(12):1109-13 (46 ref.)

Plesiomonas shigelloides overgrowth in the small intestine. Penn RG, et al. **J Clin Microbiol** 1982 May;15(5):869-72

Acute diarrhea and rotavirus infection in newborn babies and children in Yogyakarta, Indonesia, from June 1978 to June 1979. Soenarto Y, et al. **J Clin Microbiol** 1981 Aug; 14(2):123-9

Acquisition of serum antibody to Norwalk Virus and rotavirus and relation to diarrhea in a longitudinal study of young children in rural Bangladesh. Black RE, et al. **J Infect Dis** 1982 Apr;145(4):483-9

Effect of duration of exposure on diarrhea due to enterotoxigenic Escherichia coli in travelers from the United States to Mexico. Brown MR, et al. **J Infect Dis** 1982 Apr;145(4):582

Epidemiology of diarrhea due to rotavirus on an Indian reservation: risk factors in the home environment. Engleberg NC, et al. **J Infect Dis** 1982 Jun;145(6):894-8

Colonization by or diarrhea due to Kluyvera species. Fainstein V, et al. **J Infect Dis** 1982 Jan;145(1):127

Diarrhea due to Norwalk virus in families [letter] Pickering LK, et al. **J Infect Dis** 1982 Jul;146(1):116-7

Diarrhea caused by adherent enteropathogenic E. coli [letter] Rothbaum RJ, et al. **J Pediatr** 1982 Sep;101(3):486

Diarrhea associated with intralipid infusion. Faintuch J, et al. **JPEN** 1981;5(4):325

Diarrhoea and urgency to defaecate in acute myocardial infarction [letter] Chaim JO, et al. **Lancet** 1982 Mar 27; 1(8274):746

Aeromonas species as enteric pathogens [letter] Gracey M, et al. **Lancet** 1982 Jan 23;1(8265):223-4

Norwalk virus and rotavirus in travellers' diarrhoea in Mexico [letter] Keswick BH, et al. **Lancet** 1982 Jan 9; 1(8263):109-10

Fatal diarrhoea and coxsackie A1 virus [letter] Madeley CR. **Lancet** 1982 May 1;1(8279):1013-4

Persistent post-enteritis diarrhoea in childhood: a prospective analysis of clinical features, predisposing factors and sequelae. Halliday K, et al. **Med J Aust** 1982 Jan 9; 1(1):18-20

Occurrence of toxin-producing Clostridium difficile in antibiotic-associated diarrhea in Sweden. Aronsson B, et al. **Med Microbiol Immunol (Berl)** 1981;170(1):27-35

Secretory diarrhea and prostaglandin D2 overproduction in systemic mastocytosis [letter] Poynard T, et al. **N Engl J Med** 1982 Jul 15;307(3):186

Vipoma and watery diarrhea [letter] Unwin RJ, et al. **N Engl J Med** 1982 Aug 5;307(6):377-8

A clinical and aetiological study of adult patients hospitalised for acute diarrhoeal disease. Chancellor AM, et al. **NZ Med J** 1982 Mar 10;95(703):154-6

Chronic diarrhoea in protein-energy malnutrition. Gracey M. **Paediatr Indones** 1981 Nov-Dec;21(11-12):235-9

Zinc dependency as a cause of chronic diarrhea in variant acrodermatitis enteropathica. Krieger I, et al. **Pediatrics** 1982 Jun;69(6):773-7

Shigella toxin(s): description and role in diarrhea and dysentery. Keusch GT, et al. **Pharmacol Ther** 1981; 15(3):403-38 (172 ref.)

Diarrheal disorders in infancy and childhood. Lake AM. **Postgrad Med** 1981 Oct;70(4):169-76

Secretory diarrhea in ulcerative colitis. Ghishan FK, et al. **South Med J** 1982 Jun;75(6):764-5

Campylobacter enteritis in The Gambia. Billingham JD. **Trans R Soc Trop Med Hyg** 1981;75(5):641-4

[Diarrhea and massive melena due to periarteritis nodosa of colon (author's transl)] Qian YQ. **Chung Hua Wai Ko Tsa Chih** 1982 Feb;20(2):78-9 (Eng. Abstr.) **(Chi)**

[A report on severe diarrhea caused by Escherichia coli enterotoxin (author's transl)] Lin CS. **Chung Hua Yu Fang I Hsueh Tsa Chih** 1981 Mar; 15(2):101-2 **(Chi)**

[Campylobacter fetus ssp. jejuni - another cause of childhood diarrheal disease] Srámková L, et al. **Cesk Pediatr** 1982 Apr;37(4):192-4 (Eng. Abstr.) **(Cze)**

[Diarrhea and liver involvement after ingestion of Amanita phalloides] Frey M, et al. **Ugeskr Laeger** 1981 Jul 20; 143(30):1911-2 (Eng. Abstr.) **(Dan)**

[Recurrence of antibiotic associated diarrhea caused by Clostridium difficile] Tvede M, et al. **Ugeskr Laeger** 1982 Mar 15;144(11):800 (Eng. Abstr.) **(Dan)**

[Chronic diarrhea. Symposium held on 17 and 18 October 1980] **Acta Gastroenterol Belg** 1981 Jan-Feb;44(1-2):7-87 **(Fre)**

[The coprologic examination. Its interpretation in cases of chronic diarrhea (author's transl)] Adler M, et al. **Acta Gastroenterol Belg** 1981 Jan-Feb;44(1-2):56-61 (Eng. Abstr.) **(Fre)**

[The contribution and limitations of the Schilling test in the evaluation of chronic diarrhoeas (author's transl)] Bondue H. **Acta Gastroenterol Belg** 1981 Jan-Feb;44(1-2):62-6 (Eng. Abstr.) **(Fre)**

[First evaluation of a patient with chronic diarrhoea (author's transl)] Wettendorff P. **Acta Gastroenterol Belg** 1981 Jan-Feb;44(1-2):49-55 (Eng. Abstr.) **(Fre)**

Control of the diagnosis and attitude towards a chronic diarrhoea of 'undetermined' origin (author's transl)] Wettendorff P. **Acta Gastroenterol Belg** 1981 Jan-Feb; 44(1-2):83-7 (Eng. Abstr.) **(Fre)**

[Enterotoxigenic Escherichia coli and temperate areas childhood diarrheas (author's transl)] Albouy C, et al. **Ann Pediatr (Paris)** 1981 Oct;28(8):610-2 (Eng. Abstr.) **(Fre)**

[Arteriovenous fistula of the spleen revealed by ascites and profuse diarrhea. A case report including ultrasonography and arteriography findings (author's transl)] Wenger JJ, et al. **J Radiol** 1981 May;62(5):321-5 (Eng. Abstr.) **(Fre)**

[Motor diarrhea disclosing Biermer's disease (letter)] Chagnon JP, et al. **Nouv Presse Med** 1981 Oct 17; 10(37):3073 **(Fre)**

[Hepatic syphilis with amyloïdosis and chronic diarrhea. A discussion of etiologic mechanisms (author's transl)] Naveau S, et al. **Sem Hop Paris** 1982 Apr 22;58(16):988-90 (Eng. Abstr.) **(Fre)**

[Clinico-pathologic conference. Chronic diarrhea in a 43-year-old female] **Internist (Berlin)** 1981 Nov; 22(11):694-704 **(Ger)**

[Travel diarrhea. Clinical aspects, therapy and prophylaxis] Fleischer K. **Med Welt** 1981 Jun 19;32(25):998-1002 **(Ger)**

[Diagnosis of diarrhea in endocrine diseases] Scheuer A, et al. **Med Welt** 1981 Jun 19;32(25):993-7 **(Ger)**

[Differential diagnosis at the bedside - villous rectum adenoma. Main symptom 'diarrhea'] Kuntz HD. **MMW** 1981 Dec 4;123(49):67 **(Ger)**

[Ultrasonics as an aid in the diagnosis of a case of chronic diarrhea] Antes G, et al. **ROFO** 1982 Jul;137(1):112-3 **(Ger)**

[Traveler's diarrhea] Markwalder K, et al. **Schweiz Med Wochenschr** 1982 Jul 17;112(29):1049-54 (Eng. Abstr.) **(Ger)**

[Chologenous diarrhea and chologenous steatorrhea] Matern S. **ZFA (Stuttgart)** 1982 Apr 20;58(11):601-7 **(Ger)**

[Morpho-functional study of the rectal ampulla as a diagnostic contribution to the cause of diarrhea after total colectomy with ileo-rectal anastomosis] Rollandi GA, et al. **Radiol Med (Torino)** 1982 May;68(5):359-62 **(Ita)**

[Current status of diarrhea caused by or associated with cholera vibrions of the non 0:1 group] Ciufecu C, et al. **Rev Ig [Bacteriol]** 1981 Jul-Sep;26(3):145-54 (Eng. Abstr.) **(Rum)**

[Current status of diarrhea caused by or associated with halophilic or other vibrions. III] Ciufecu C, et al. **Rev Ig [Bacteriol]** 1981 Oct-Dec;26(4):219-28 (24 ref.) **(Rum)**

[Participation of cyclic nucleotides, Ca ions and gastrin in the pathogenesis of the diarrheal syndrome in acute dysentery] Bunin KV, et al. **Sov Med** 1981;(12):32-7 **(Rus)**

[Viruses in the feces and their significance in the occurrence of diarrhea] Demidova SA, et al. **Sov Med** 1981;(12):59-62 (25 ref.) **(Rus)**

[New data on the pathogenesis of acute intestinal infections] Pak SG, et al. **Ter Arkh** 1981;53(10):36-9 (Eng. Abstr.) **(Rus)**

[Medi-quiz: a complicated case of diarrhea] Olazábal A. **Bol Asoc Med PR** 1981 Mar;73(3):115, 119 **(Spa)**

FAMILIAL & GENETIC

An X-linked syndrome of diarrhea, polyendocrinopathy, and fatal infection in infancy. Powell BR, et al. **J Pediatr** 1982 May;100(5):731-7

IMMUNOLOGY

Seroconversion to Entamoeba histolytica among short-term travelers to Mexico. Frachtman RL, et al. **Arch Intern Med** 1982 Jul;142(7):1299

Co-agglutination and latex agglutination tests for the detection of Escherichia coli enterotoxin. Panhotra BR, et al. **Indian J Med Res** 1981 Nov;74:662-7

Antitoxic immunity in cholera and enterotoxigenic Escherichia coli (ETEC) diarrhea. DuPont HL, et al. **Pharmacol Ther** 1981;13(2):249-55 (54 ref.)

IgG1 antibody in milk protects lambs against rotavirus diarrhoea. Fahey KJ, et al. **Vet Immunol Immunopathol** 1981 Feb;2(1):27-33

METABOLISM

Faecal excretion of alpha-1-antitrypsin in acute diarrhoea. Mäki M, et al. **Arch Dis Child** 1982 Feb;57(2):154-6

Pathophysiology of diarrhoea: alterations in fluid and electrolyte transport. Dobbins JW, et al. **Clin Gastroenterol** 1981 Sep;10(3):605-25 (55 ref.)

Elevation of adenosine 3' 5' cyclic monophosphate level by Aeromonas hydrophila enterotoxin. Dubey RS, et al. **Indian J Med Res** 1981 Nov;74:668-74

Alterations of cholecystokinin-like material in the case of diarrhea induced by various cathartics. Sakurai E, et al. **Jpn J Pharmacol** 1982 Feb;32(1):209-12

Diarrhoea: the failure of colonic salvage. Read NW. **Lancet** 1982 Aug 28;2(8296):481-3

Is diarrhoea a major cause of cataract in some tropical countries? Harding JJ, et al. **Metab Pediatr Ophthalmol** 1981;5(3-4):161-6

[Alteration of biogenic amines, serotonin, histamine and polyamines, in cases of diarrhea induced by sugar alcohols (author's transl)] Niwa H, et al. **Yakugaku Zasshi** 1981 Jun; 101(6):567-74 (Eng. Abstr.) **(Jpn)**

[Experimental study of the development of the diarrhea syndrome using gas-liquid chromatography] Linberg LF, et al. **Biull Eksp Biol Med** 1981 Dec;92(12):683-6 (Eng. Abstr.) **(Rus)**

MICROBIOLOGY

Quantitative aspects of rotavirus excretion in childhood diarrhoea. Vesikari T, et al. **Acta Paediatr Scand** 1981 Sep; 70(5):717-21

Identification of low levels of heat labile enterotoxin in Escherichia coli from children with diarrhoea. Otnaess AB, et al. **Acta Pathol Microbiol Scand [B]** 1981 Jun;89(3):173-7

Some characteristics of Campylobacter fetus subsp. jejuni isolated from pigs, birds and man. Rosef O, et al. **Acta Vet Scand** 1982;23(1):9-15

Coronavirus-like particles in nonhuman primate feces. Smith GC, et al. **Arch Virol** 1982;72(1-2):105-11

Rotavirus and acute diarrhoeal disease in children in a southern Indian coastal town. Paniker CK, et al. **Bull WHO** 1982;60(1):123-7

Persistent excretion of Campylobacter fetus subsp. jejuni [letter] Jones CC, et al. **Can Med Assoc J** 1981 Aug 1;

125(3):247
A study of the dissemination of Tn1681: a bacterial transposon encoding a heat-stable toxin among enterotoxigenic Escherichia coli isolates. So M, et al. **Cold Spring Harbor Symp Quant Biol** 1980;45 Pt 1:53–8
Enterocyte adherence of Escherichia coli: its relation to diarrheal disease. Boedeker EC. **Gastroenterology** 1982 Aug;83(2):489–92
A clinicopathologic study of enterocyte-adherent Escherichia coli: a cause of protracted diarrhea in infants. Rothbaum R, et al. **Gastroenterology** 1982 Aug;83(2):441–54
Clostridium difficile toxin in acute diarrhoea complicating inflammatory bowel disease. Keighley MR, et al. **Gut** 1982 May;23(5):410–4
Experimental infection of lambs with Cryptosporidium isolated from a human patient with diarrhoea. Tzipori S, et al. **Gut** 1982 Jan;23(1):71–4
Antibiotic resistance of enterobacteria isolated from hospitalized diarrhoeal patients. Mutanda LN, et al. **Indian J Med Res** 1981 Jul;74:6–10
Serotypes of enterotoxigenic Escherichia coli in Thailand and the Philippines. Echeverria P, et al. **Infect Immun** 1982 Jun;36(3):851–6
Enteropathogenicity of Aeromonas hydrophila and Plesiomonas shigelloides: prevalence among individuals with and without diarrhea in Thailand. Pitarangsi C, et al. **Infect Immun** 1982 Feb;35(2):666–73
Comparative in-vitro evaluation of Sch 29482, a new beta-lactam antibiotic, on enteropathogenic bacteria. Goldstein FW, et al. **J Antimicrob Chemother** 1982 Feb; 9 Suppl C:159–61
Antimicrobial susceptibility of Campylobacter jejuni isolated from humans with diarrhoea and from healthy chickens. Svedhem A, et al. **J Antimicrob Chemother** 1981 Mar; 7(3):301–5
Clostridium difficile and its cytotoxin in feces of patients with antimicrobial agent-associated diarrhea and miscellaneous conditions. George WL, et al. **J Clin Microbiol** 1982 Jun; 15(6):1049–53
Identification of Vibrio hollisae sp. nov. from patients with diarrhea. Hickman FW, et al. **J Clin Microbiol** 1982 Mar; 15(3):395–401
Frequency of Escherichia coli strains producing heat-labile toxin or heat-stable toxin or both in children with and without diarrhea in São Paulo. Reis MH, et al. **J Clin Microbiol** 1982 Jun;15(6):1062–4
Campylobacter enteritis in general practice. Kendall EJ, et al. **J Hyg (Lond)** 1982 Apr;88(2):155–63
A nosocomial outbreak of diarrheal disease due to Yersinia enterocolitica serotype 0:5, biotype 1. Ratnam S, et al. **J Infect Dis** 1982 Feb;145(2):242–7
Nonenteric sources of rotavirus in acute diarrhea [letter] Vollet JJ 3d, et al. **J Infect Dis** 1981 Nov;144(5):495
Chronic diarrhea in infants caused by adherent enteropathogenic Escherichia coli. Clausen CR, et al. **J Pediatr** 1982 Mar;100(3):358–61
Is Clostridium difficile pathogenic in infants? Welch DF, et al. **J Pediatr** 1982 Mar;100(3):393–5
Bacterial agents in acute diarrhea. DuPont HL. **Schweiz Med Wochenschr** 1982 Apr 12;112(15):507–10
Unusual Vibrio species found in diarrhoeal stools. Lam S, et al. **Singapore Med J** 1981 Oct;22(5):259–61
[The role of Clostridium difficile in diarrhea appearing after antibiotic treatment: a study of 87 cases] Delmée M, et al. **Acta Clin Belg** 1981;36(4):178–84 (Eng. Abstr.) **(Fre)**
[Viral diarrhea] Stalder H. **Schweiz Med Wochenschr** 1982 Apr 12;112(15):511–5 (65 ref.) (Eng. Abstr.) **(Ger)**
[Variation of diarrhea viruses detected in Japan with special reference to spherical viruses other than rotaviruses (author's transl)] Ishida N, et al. **Uirusu** 1981 Dec; 31(2):167–70 **(Jpn)**
[Culture-enzyme properties, serologic characteristics, enteropathogenicity and enterotoxicity of Escherichia isolated from patients with diarrhea] Kleganov VK. **Zh Mikrobiol Epidemiol Immunobiol** 1981 Oct;(10):30–3 (Eng. Abstr.) **(Rus)**
[Frequency of isolation of enteropathogenic and enterotoxigenic Escherichia from adult patients with diarrhea] Kleganov VK. **Zh Mikrobiol Epidemiol Immunobiol** 1982 Feb;(2):70–3 (Eng. Abstr.) **(Rus)**
[Detection of enterotoxigenic Escherichia in patients with diarrhea of undetermined etiology using experimental models] Romanenkova NI, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1981 Jul;(7):99–103 (Eng. Abstr.) **(Rus)**
[Use of stationary-growth broth cultures for obtaining Escherichia enterotoxins. II. Study of Escherichia preparations isolated from diarrhea patients] Romanenkova NI, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1982 Mar; (3):63–6 (Eng. Abstr.) **(Rus)**
[Salmonella and Shigella isolated from diarrheal states] de Nader OM, et al. **Rev Latinoam Microbiol** 1980 Apr–Jun; 22(2):65–71 (Eng. Abstr.) **(Spa)**

MORTALITY

A diarrhea clinic in rural Bangladesh: influence of distance, age, and sex on attendance and diarrheal mortality. Rahaman MM, et al. **Am J Public Health** 1982 Oct; 72(10):1124–8
[Acute diarrheal diseases in Latin America, 1970–9. The situation in Cuba] Riverón-Corteguera R, et al. **Bol Of Sanit Panam** 1982 Jun;92(6):508–19 (Eng. Abstr.) **(Spa)**

OCCURRENCE

Longitudinal studies of infectious diseases and physical growth of children in rural Bangladesh. I. Patterns of morbidity. Black RE, et al. **Am J Epidemiol** 1982 Mar; 115(3):305–14
Gastrointestinal illness on passenger cruise ships, 1975–1978. Dannenberg AL, et al. **Am J Public Health** 1982 May; 72(5):484–8
Epidemiologic correlates of diarrhea in a slum community in Varanasi. Saran M, et al. **Indian J Pediatr** 1981 Jul–Aug; 48(393):441–6
Traveler's diarrhea: clinical observations. Farmer RG, et al. **J Clin Gastroenterol** 1981 Mar;3(1):27–9
Isolation of Campylobacter fetus subsp. jejuni from Bangladeshi children. Blaser MJ, et al. **J Clin Microbiol** 1980 Dec;12(6):744–7
Travelers' diarrhea in panamanian tourists in Mexico. Ryder RW, et al. **J Infect Dis** 1981 Nov;144(5):442–8
Epidemiologic perspective of diarrheal disease in Costa Rica and current efforts in control, prevention, and research. Mata L. **Rev Latinoam Microbiol** 1981 Apr–Jun; 23(2):109–19
Epidemiologic pattern of diarrhoea caused by non-agglutinating vibrios (NAG) and EF-6 organisms in Dacca. Khan MU, et al. **Trop Geogr Med** 1982 Mar; 34(1):19–27

PARASITOLOGY

[Diarrhea caused by parasites] Freyvogel TA, et al. **Schweiz Med Wochenschr** 1982 Apr 12;112(15):515–20 (Eng. Abstr.) **(Ger)**

PATHOLOGY

Sprue syndrome with secretory diarrhoea in a 42-year-old woman. Adler G, et al. **Scand J Gastroenterol [Suppl]** 1981; 70:175
[Infectious diarrhea] Frühmorgen P. **Fortschr Med** 1981 Oct 15;99(39):1598–605 **(Ger)**
[Ultrastructural morphological evaluation of the intestinal epithelium in subjects with gluten intolerance, giardiasis, chronic diarrhea and intestinal lymphangiectasia] Roggero P, et al. **Minerva Pediatr** 1982 Feb 28;34(4):161–8 (Eng. Abstr.) **(Ita)**

PHYSIOPATHOLOGY

Intestinal motility. Its possible role in diarrhea. Rolemberg-Lessa S, et al. **Acta Gastroenterol Belg** 1981 Jan–Feb;44(1–2):34–42
Irritable bowel syndrome: newer pathophysiologic concepts. Tucker H, et al. **Adv Intern Med** 1982;27:183–204 (28 ref.)
Effects of loperamide on anal sphincter function in patients complaining of chronic diarrhea with fecal incontinence and urgency. Read M, et al. **Dig Dis Sci** 1982 Sep; 27(9):807–14
Potentiating effect of bile on enterotoxin-induced diarrhea. Lange S, et al. **Infect Immun** 1982 Feb;35(2):391–5
The effect of calcium and prostaglandin inhibitors on the intestinal fluid response to heat-stable enterotoxin of Escherichia coli. Thomas DD, et al. **J Infect Dis** 1982 Feb; 145(2):141–7
The pathophysiology of secretory diarrheas. Carpenter CC. **Med Clin North Am** 1982 May;66(3):597–610
Chronic diarrhea. Fitzgerald JF, et al. **Pediatr Clin North Am** 1982 Feb;29(1):221–31
Stimulation of colonic secretion by lipoxygenase metabolites of arachidonic acid. Musch MW, et al. **Science** 1982 Sep 24;217(4566):1255–6
[A study of the anorectal motricity: its value in chronic diarrhoea (author's transl)] Melange M, et al. **Acta Gastroenterol Belg** 1981 Jan–Feb;44(1–2):76–82 (Eng. Abstr.) **(Fre)**
[The role of the colon in the absorption of water and electrolytes. Pathogenesis of diarrhea] Debongnie JC. **Gastroenterol Clin Biol** 1981;5(8–9):747–57 **(Fre)**
[Diarrhea. Physiopathological and mode of action of antidiarrheals] Chevrel B. **Med Chir Dig** 1982;11(4):297–303 **(Fre)**
[Pathophysiology of diarrhea and therapeutic consequences] Fogelgeld L, et al. **Harefuah** 1981 May 1;100(9):422–5 **(Heb)**
[Current findings on the physiopathogenesis and diagnosis of diarrhea] Lazzaroni M, et al. **Recenti Prog Med** 1982 Jan;72(1):71–97 (78 ref.) (Eng. Abstr.) **(Ita)**

PREVENTION & CONTROL

Preventing traveler's diarrhea. Weiss BD. **Am Fam Physician** 1981 Nov;24(5):169–70
Reduction of the aerobic Gram negative bacterial flora of the gastro-intestinal tract and prevention of traveller's diarrhea using oral erythromycin. Andremont A, et al. **Ann Microbiol (Paris)** 1981 Nov–Dec;132 B(3):419–27
Lactobacillus prophylaxis for diarrhea due to enterotoxigenic Escherichia coli. Clements ML, et al. **Antimicrob Agents Chemother** 1981 Jul;20(1):104–8
Prophylaxis against prostaglandin-induced gastrointestinal side effects. Fahmy K. **Int J Gynaecol Obstet** 1981 Dec; 19(6):487–9
Antibiotics and travellers' diarrhoea. Geddes AM. **J Antimicrob Chemother** 1981 Oct;8(4):247–8
New prospects for control of virus diarrhoea in children [editorial] Flewett TH. **J R Soc Med** 1982 Jul;75(7):493–4
Prophylaxis of traveller's diarrhoea. Steffen R, et al. **J Trop Med Hyg** 1981 Dec;84(6):239–42
Vaccine against traveler's diarrhea nearing readiness for clinical trials [news] Reed M. **JAMA** 1982 Jun 25; 247(24):3295
Simple steps to mimimize chance of traveler's diarrhea [letter] Henderson R. **JOM** 1982 Mar;24(3):184
Traveller's Diarrhoea [editorial] **Lancet** 1982 Apr 3; 1(8275):777–8
The prophylaxis and therapy of secretory diarrhea. Black RE. **Med Clin North Am** 1982 May;66(3):611–21 (40 ref.)
Traveler's diarrhea: must it spoil the patient's trip? Scott D. **Postgrad Med** 1982 Jun;71(6):244
Prevention of travelers' diarrhea with trimethoprim-sulfamethoxazole. DuPont HL, et al. **Rev Infect Dis** 1982 Mar–Apr;4(2):533–9
A new principle for prevention of diarrhoea caused by enterotoxigenic Escherichia coli (ETEC) possessing colonization factor antigen (CFA/I). Wadström T, et al. **Scand J Infect Dis** 1981;13(2):129–32
[Prevention of traveler's diarrhea] Olsen VV. **Ugeskr Laeger** 1981 Jun 15;143(25):1612 **(Dan)**
[Environmental hygiene and the prevention of diarrheal diseases] **Bol Of Sanit Panam** 1981 Jun;90(6):549–57 **(Spa)**

PSYCHOLOGY

The role of Reasec in the treatment of diarrhoeas of neurotic origin. Perényi G. **Ther Hung** 1980;28(1):36–9
[Functional colonic disorders: constipation and diarrhea] Studt HH. **Med Klin** 1981 Nov 6;76(23):645–8 **(Ger)**

THERAPY

From pedialyte to popsicles: a look at oral rehydration therapy used in the United States and Canada. Snyder JD. **Am J Clin Nutr** 1982 Jan;35(1):157–61
Oral rehydration and social change: the control of diarrheal diseases in the third world [editorial] Yankauer A. **Am J Public Health** 1982 Oct;72(10):1105–6
Can acetate replace bicarbonate in oral rehydration solution for infantile diarrhoea? Patra FC, et al. **Arch Dis Child** 1982 Aug;57(8):625–7
Diarrhoea in children. Barnes G. **Aust Fam Physician** 1981 Jun;10(6):423–7
Treatment of acute diarrhoea with oral rehydration solution. Sack DA. **Drugs** 1982 Jan–Feb;23(1–2):150–7
Maternal beliefs regarding diet during acute diarrhea. Kumar V, et al. **Indian J Pediatr** 1981 Sep–Oct;48(394):599–603
Rice-powder electrolyte solution as oral-therapy in diarrhoea due to Vibrio cholerae and Escherichia coli. Molla AM, et al. **Lancet** 1982 Jun 12;1(8285):1317–9
Rice powder and electrolyte solutions [letter] Nalin DR, et al. **Lancet** 1982 Jul 17;2(8290):155–6
Oral rehydration for diarrhea [letter] **N Engl J Med** 1982 Oct 7;307(15):952–3
Oral rehydration therapy for diarrhea in children—a basic primer. Hirschhorn N. **Nutr Rev** 1982 Apr;40(4):97–104 (24 ref.)
Oral rehydration for diarrhoeal diseases in children. Raghu MB, et al. **Trans R Soc Trop Med Hyg** 1981;75(4):552–5
Home-administered oral therapy for diarrhoea: a laboratory study of safety and efficacy. Snyder JD, et al. **Trans R Soc Trop Med Hyg** 1982;76(3):329–33
Oral replacement therapy in rural Bangladesh with home ingredients. Ellerbrock TV. **Trop Doct** 1981 Oct; 11(4):179–83
[Treatment of diarrheic illnesses. What the pediatrician ought not to do] Vega-Franco L. **Bol Med Hosp Infant Mex** 1981 Sep–Oct;38(5):817–24 **(Spa)**

TRANSMISSION

The role of water in relation to diarrhoeal disease. Cutting WA, et al. **J Trop Med Hyg** 1982 Feb;85(1):31–9

VETERINARY

Staining of cryptosporidia by a modified Ziehl-Neelsen technique. Henriksen SA, et al. **Acta Vet Scand** 1981; 22(3–4):594–6
Pathomorphology of the intestinal mucosa in diarrheic calves. Landsverk T. **Acta Vet Scand** 1981;22(3–4):435–48
An enzyme histochemical investigation of the intestinal mucosa in diarrheic calves. Landsverk T. **Acta Vet Scand** 1981;22(3–4):449–58
Peyer's patches and the follicle-associated epithelium in diarrheic calves. Pathomorphology, morphometry and acid phosphatase histochemistry. Landsverk T. **Acta Vet Scand** 1981;22(3–4):459–71
Serological, enterotoxin-producing and biochemical properties of Escherichia coli isolated from piglets with neonatal diarrhea in Norway. Lund A, et al. **Acta Vet Scand** 1982;23(1):79–87
Passive immunity of the G. I. tract. Wilson RA. **Adv Exp Med Biol** 1981;137:603–22
Routine isolation and cultivation of bovine rotaviruses in cell culture. Bachmann PA, et al. **Am J Vet Res** 1981 Dec; 42(12):2149–50

Viral antibody studies of laboratory dogs with diarrheal disease. Binn LN, et al. **Am J Vet Res** 1981 Oct; 42(10):1665–7

Role of Salmonella arizonae and other infective agents in enteric disease of lambs. Harp JA, et al. **Am J Vet Res** 1981 Apr;42(4):596–9

Isolation of an adenovirus antigenically distinct from equine adenovirus type 1 from diarrheic foal feces. Studdert MJ, et al. **Am J Vet Res** 1982 Mar;43(3):543–4

Diarrhea in lambs experimentally infected with Cryptosporidium isolated from calves. Tzipori S, et al. **Am J Vet Res** 1981 Aug;42(8):1400–4

Bacteriologic examination of equine fecal flora as a diagnostic tool for equine intestinal clostridiosis. Wierup M, et al. **Am J Vet Res** 1981 Dec;42(12):2167–9

Isolation of cytopathic porcine rotavirus in cell roller culture in the presence of trypsin. Fukusho A, et al. **Arch Virol** 1981;69(1):49–60

Detection of astroviruses in feces of a cat with diarrhea. Brief report. Hoshino Y, et al. **Arch Virol** 1981;70(4):373–6

Isolation of lapine rotavirus in cell cultures. Brief report. Sato K, et al. **Arch Virol** 1982;71(3):267–71

Cryptosporidia associated with outbreaks of neonatal calf diarrhoea [letter] Jerrett IV, et al. **Aust Vet J** 1981 Sep; 57(9):434–5

Carriage of Campylobacter jejuni in healthy and diarrhoeic dogs and cats [letter] McOrist S, et al. **Aust Vet J** 1982 Jan;58(1):33–4

Heat stress and diarrhoea in neonatal calves [letter] Mitchell PJ, et al. **Aust Vet J** 1981 Aug;57(8):392

Neonatal diarrhoea in calves given milk-substitutes differing in fat source and fed by different procedures. Abe M, et al. **Br J Nutr** 1981 Nov;46(3):543–8

Piglet diarrhoea: a guide to diagnosis and control. Alexander TJ. **Br Vet J** 1981 Nov;137(6):651–62

Viral diarrhea of young animals: a review. Cilli V, et al. **Comp Immunol Microbiol Infect Dis** 1981;4(3–4):229–42 (107 ref.)

Diarrheal condition in dogs associated with viruses antigenically related to feline herpesvirus. Evermann JF, et al. **Cornell Vet** 1982 Jul;72(3):285–91

Diarrhoea in foals. Urquhart K. **In Pract** 1981 Jan;3(1):22–3, 25, 27, 29

Escherichia coli-associated porcine neonatal diarrhea: antibacterial activities of colostrum from genetically susceptible and resistant sows. Sellwood R. **Infect Immun** 1982 Feb;35(2):396–401

Diarrhea in lambs: experimental infections with enterotoxigenic Escherichia coli, rotavirus, and Cryptosporidium sp. Tzipori S, et al. **Infect Immun** 1981 Aug;33(2):401–6

Clinical and epidemiologic characterization of a diarrheal syndrome in Basenji dogs. Breitschwerdt EB, et al. **J Am Vet Med Assoc** 1982 Apr 15;180(8):914–20

Phenoxybenzamine for the treatment of severe nonresponsive diarrhea in the horse. Hood DM, et al. **J Am Vet Med Assoc** 1982 Apr 1;180(7):758–62

Antimicrobial resistance in Escherichia coli strains isolated from pigs with diarrhea. Libal MC, et al. **J Am Vet Med Assoc** 1982 Apr 15;180(8):908–9

Fatal diarrhea in rabbits resulting from the feeding of antibiotic-contaminated feed. Thilsted JP, et al. **J Am Vet Med Assoc** 1981 Aug 15;179(4):360–2

Antimotility drugs used in treatment of diarrhea. Wilson RC. **J Am Vet Med Assoc** 1982 Apr 1;180(7):776–7

Shedding of rotavirus in feces of sows before and after farrowing. Benfield DA, et al. **J Clin Microbiol** 1982 Jul; 16(1):186–90

Diarrhea in young red deer associated with infection with Cryptosporidium. Tzipori S, et al. **J Infect Dis** 1981 Aug; 144(2):170–5

The occurrence in Australia of the bovine coccidia Eimeria Bukidnonensis Tubangui 1931 and E. wyomingensis Huizinga and Winger 1942. Parker R. **J Parasitol** 1981 Oct; 67(5):724–5

Diarrhea in piglets due to Escherichia coli that produce only porcine ileal loop-positive heat-stable enterotoxic component. Kashiwazaki M, et al. **Natl Inst Anim Health Q (Tokyo)** 1981 Fall;21(3):148–9

New era vaccine [news] Schuuring C. **Nature** 1982 Apr 29; 296(5860):792

Enteropathogenic Escherichia coli in calves with diarrhea. Nakazawa M, et al. **Nippon Juigaku Zasshi** 1981 Feb; 43(1):89–91

Epidemiologic factors in piglet diarrhea. Halgaard C. **Nord Vet Med** 1981 Sep-Nov;33(9–11):403–12

Incidence of rotavirus in artificially reared pigs and some effects of diarrhoea on the physiology and histology of the gastrointestinal tract. Newport MJ, et al. **Res Vet Sci** 1982 Jan;32(1):48–51

Diarrhoea in diary calves reduced by feeding colostrum from cows vaccinated with rotavirus. Snodgrass DR, et al. **Res Vet Sci** 1982 Jan;32(1):70–3

Interaction of rotavirus and enterotoxigenic Escherichia coli in conventionally-reared dairy calves. Snodgrass DR, et al. **Vet Microbiol** 1982 Mar;7(1):51–60

Studies with an unclassified virus isolated from diarrheic calves. Woode GN, et al. **Vet Microbiol** 1982 Jul; 7(3):221–40

Chilomastix as a probable cause of enteritis in two horses. Araya O, et al. **Vet Rec** 1981 Nov 28;109(22):494

Control of bovine neonatal diarrhoea by management techniques. Bakheit HA, et al. **Vet Rec** 1981 May 23; 108(21):455–8

Microbiological findings in dogs with diarrhoea. Neill SD, et al. **Vet Rec** 1981 Dec 12;109(24):538–9

Treatment of chronic equine diarrhoea with halquinol. O'Brien JK. **Vet Rec** 1981 Jul 18;109(3):61

Mannose-resistant haemagglutination and colonisation factors among Escherichia coli strains isolated from pigs. Oliveira MS, et al. **Vet Rec** 1981 Sep 26;109(13):275–8

Field study of coccidial and rotaviral diarrhoea in unweaned piglets. Roberts L, et al. **Vet Rec** 1982 Jan 2;110(1):11–3

Rotavirus infections associated with diarrhoea in calves in Egypt. Shalaby MA, et al. **Vet Res Commun** 1981 Dec; 5(2):165–70

Isolation of thermophilic campylobacters from two populations of dogs. Simpson JW, et al. **Vet Res Commun** 1981 Sep;5(1):63–6

Detection of antibody to E. coli heat-labile enterotoxin in bovine sera samples from various regions of France. Dobrescu L, et al. **Zentralbl Veterinarmed [B]** 1981; 28(4):341–3

Light microscopy and ultrahistology of intestinal changes in pigs infected with epizootic diarrhoea virus (EVD): comparison with transmissible gastroenteritis (TGE) virus and porcine rotavirus infections. Pospischil A, et al. **Zentralbl Veterinarmed [B]** 1981;28(7):564–77

Studies on E. coli–enteropathy in weanling rabbits. Prohászka L, et al. **Zentralbl Veterinarmed [B]** 1981;28(2):102–10

[Electron microscopic detection of coronaviruses in calves with diarrhea] Valíček L, et al. **Vet Med (Praha)** 1981 Sep; 26(9):513–6 (Eng. Abstr.) **(Cze)**

[Diarrhea prevention as a cause of diarrhea?] Kalis CH. **Tijdschr Diergeneeskd** 1982 May 15;107(10):384 **(Dut)**

[Studies on the aetiology of neonatal diarrhoea in veal calves (author's transl)] van der Berg HS, et al. **Tijdschr Diergeneeskd** 1981 Dec 15;106(24):1265–71 (Eng. Abstr.) **(Dut)**

[Frequence of K99 antigen and antibioresistance in Escherichia coli from calves in France (author's transl)] Martel JL, et al. **Ann Rech Vet** 1981;12(3):253–7 (Eng. Abstr.) **(Fre)**

[Incidence of rotavirus infection and in combined infection of rotavirus and enteropathogenic Escherichia coli in French calves (author's transl)] Perrin B, et al. **Ann Rech Vet** 1981;12(3):259–63 (Eng. Abstr.) **(Fre)**

[Isolation of Campylobacter fetus, subsp, jejuni in animals, particularly in dogs and cats] Schifferli D, et al. **Schweiz Arch Tierheilkd** 1982 Mar;124(3):143–8 (Eng. Abstr.) **(Fre)**

[Diarrhea in young calves. 4. Redox potential of the gastrointestinal tract of clinically healthy calves, and calves with spontaneous diarrhea, experimental Escherichia coli infection, and cyclophosphamide treatment] Schulze F, et al. **Arch Exp Veterinarmed** 1981;35(3):337–48 (Eng. Abstr.) **(Ger)**

[Incidence of treponema in dogs with intestinal diseases] Meier C, et al. **Berl Munch Tierarztl Wochenschr** 1982 May 15;95(10):185–8 (Eng. Abstr.) **(Ger)**

[Parvovirus infection of an Alsatian. (Brief report)] Feddersen D. **DTW** 1981 Sep 5;88(9):382 **(Ger)**

[Studies on bacterial flora of the alimentary tract of dogs. III. Fecal flora in clinical and experimental cases of diarrhea (author's transl)] Ishikawa H, et al. **Nippon Juigaku Zasshi** 1982 Apr;44(2):343–7 **(Jpn)**

DIARRHEA, INFANTILE

BLOOD

Toddler diarrhoea and prostaglandins. Dodge JA, et al. **Arch Dis Child** 1981 Sep;56(9):705–7

[Serum bile acid levels in infantile diarrhea syndrome depending on its clinical course] Duffau Toro G, et al. **Bol Med Hosp Infant Mex** 1982 Feb;39(2):83–7 (Eng. Abstr.) **(Spa)**

CHEMICALLY INDUCED

Phenolphthalein laxatives and factitious diarrhea. Devore CD, et al. **Clin Pediatr (Phila)** 1982 Sep;21(9):573–4

COMPLICATIONS

The relationship of oral rehydration solution to hypernatremia in infantile diarrhea. Cleary TG, et al. **J Pediatr** 1981 Nov;99(5):739–41

[Causes of readmission to an oral rehydration service] Posada G, et al. **Bol Med Hosp Infant Mex** 1982 Feb;39(2):93–8 (Eng. Abstr.) **(Spa)**

CONGENITAL

Congenital chloride diarrhea. Holmberg C, et al. **Ergeb Inn Med Kinderheilkd** 1982;49:138–72 (111 ref.)

Congenital chloride diarrhea. Sharda DC, et al. **Indian Pediatr** 1981 Sep;18(9):667–70

DIAGNOSIS

[Differential diagnosis of malabsorption syndrome and chronic diarrhea in infants and children (author's transl)] Shmerling DH, et al. **Praxis** 1981 Oct 13;70(42):1835–40 (Eng. Abstr.) **(Ger)**

DIET THERAPY

Refeeding after acute gastroenteritis [letter] de Sousa JS. **Arch Dis Child** 1982 Aug;57(8):641–2

Sodium and water content of feedings for use in infants with diarrhea [letter] **Clin Pediatr (Phila)** 1981 Oct;20(10):676–8

Children with chronic diarrhea and altered disaccharidase ratio who respond to sucrose withdrawal [letter] Davidson GP, et al. **Lancet** 1982 Aug 7;2(8293):325

[Value of a new feeding formula in common acute diarrhea in infancy (author's transl)] Goutet JM, et al. **Ann Pediatr (Paris)** 1981 Sep;28(7):521–4 (Eng. Abstr.) **(Fre)**

[New, partially or totally lactose-free, industrial dietetic preparations in nutritional therapy of infants with diarrheal diseases] Geormăneanu M, et al. **Rev Pediatr Obstet Ginecol [Pediatr]** 1981 Oct–Dec; 30(4):373–7 **(Rum)**

DRUG THERAPY

Prostaglandin synthetase inhibitors in congenital chloride diarrhoea [letter] Holmber C, et al. **Arch Dis Child** 1982 Jan;57(1):81–2

Loperamide—what does it block? [editorial] **Lancet** 1981 Nov 14;2(8255):1088–9

Loperamide therapy in a child with vipoma-associated diarrhoea [letter] Yamashiro Y, et al. **Lancet** 1982 Jun 19; 1(8286):1413

Loperamide for acute diarrhoea in infancy (a clinical experience). Soeparto P, et al. **Paediatr Indones** 1981 May-Jun;21(5–6):115–8

The bowel cocktail [letter] **Pediatrics** 1981 Dec;68(6):905–7

[Results of cholestyramine treatment of chronic infantile diarrhea] Iwańczak F. **Pol Tyg Lek** 1981 Apr 13; 36(15):525–8 (Eng. Abstr.) **(Pol)**

[Treatment of congenital chloride diarrhea with prostaglandin synthetase inhibitor (author's transl)] Castro-Gago M, et al. **An Esp Pediatr** 1981 May; 14(5):352–5 (Eng. Abstr.) **(Spa)**

ETIOLOGY

Serum alkaline phosphatase and zinc undernutrition in infants with chronic diarrhea. Rothbaum RJ, et al. **Am J Clin Nutr** 1982 Mar;35(3):595–8

Campylobacter jejuni in newborns: a cause of asymptomatic bloody diarrhea. Buck GE, et al. **Am J Dis Child** 1982 Aug;136(8):744

Campylobacter jejuni enteritis in Italy [letter] Figura N, et al. **Boll Ist Sieroter Milan** 1981 Nov;60(5):444–5

Etiology of childhood diarrhea and oral rehydration therapy in northeastern Brazil. McLean M, et al. **Bull Pan Am Health Organ** 1981;15(4):318–25

Chronic diarrhea associated with campylobacter. Smalley JR, et al. **Clin Pediatr (Phila)** 1982 Apr;21(4):220

Protracted diarrhea of infancy: its aetiology and management in 25 patients. Arora NK, et al. **Indian Pediatr** 1981 Jun; 18(6):373–8

Practical implication of milk intolerance in diarrhea. Ghai OP, et al. **Indian Pediatr** 1982 Jan;19(1):89–93

Evidence for secretory type diarrhoea in infants treated by phototherapy [letter] De Curtis M, et al. **Lancet** 1982 Apr 17;1(8277):909

Could protracted diarrhoea of infancy have an autoimmune pathogenesis? [letter] Savage MO, et al. **Lancet** 1982 Apr 24;1(8278):966–7

Enteric adenoviruses and rotaviruses in infantile gastroenteritis in developing countries [letter] Schoub BD. **Lancet** 1981 Oct 24;2(8252):925

Sequential rotavirus diarrhoea caused by virus of same subgroup [letter] Simhon A, et al. **Lancet** 1981 Nov 21; 2(8256):1174

Weanling diarrhoea in The Gambia: implications of a jejunal intubation study. Rowland MG, et al. **Trans R Soc Trop Med Hyg** 1981;75(2):215–8

[Campylobacter fetus ssp. jejuni - another cause of childhood diarrheal disease] Srámková L, et al. **Cesk Pediatr** 1982 Apr;37(4):192–4 (Eng. Abstr.) **(Cze)**

[Pathogenetic models of intestinal infections in infants] Buzinschi S. **Rev Pediatr Obstet Ginecol [Pediatr]** 1981 Oct–Dec;30(4):313–9 (Eng. Abstr.) **(Rum)**

[Campylobacter gastroenteritis in infants (author's transl)] del Castillo Martín F, et al. **An Esp Pediatr** 1981 Jun; 14(6):431–5 (Eng. Abstr.) **(Spa)**

[Campylobacter neonatal enteritis (author's transl)] Omeñaca F, et al. **An Esp Pediatr** 1981 Jun;14(6):427–30 (Eng. Abstr.) **(Spa)**

[Detection of rotavirus in hospitalized and ambulatory infants with acute diarrhea in Santiago de Chile] Calderón Marín A, et al. **Bol Med Hosp Infant Mex** 1982 Feb;39(2):89–91 (Eng. Abstr.) **(Spa)**

[Rotavirus and prolonged diarrhea syndrome of infants] Emilfork M, et al. **Bol Med Hosp Infant Mex** 1982 May; 39(5):345–8 (Eng. Abstr.) **(Spa)**

[Chronic diarrhea] Garcia Aranda JA, et al. **Bol Med Hosp Infant Mex** 1982 Feb;39(2):147–52 **(Spa)**

FAMILIAL & GENETIC

Familial occurrence of renal and intestinal disease associated with tissue autoantibodies. Ellis D, et al. **Am J Dis Child** 1982 Apr;136(4):323–6

Unexplained diarrhoea and failure to thrive in 2 siblings with

unusual facies and abnormal scalp hair shafts: a new syndrome. Stankler L, et al. **Arch Dis Child** 1982 Mar; 57(3):212–6

METABOLISM

Protein and fat absorption in prolonged diarrhoea in infancy. Mann MD, et al. **Arch Dis Child** 1982 Apr;57(4):268–73
Bile salt metabolism in the first year of life. Heubi JE, et al. **J Lab Clin Med** 1982 Jul;100(1):127–36
[Fecal excretion of bile acids in infantile diarrhea syndrome according to its developmental form] Emilfork Soto M, et al. **Bol Med Hosp Infant Mex** 1982 Mar;39(3):177–80 (Eng. Abstr.) (Spa)

MICROBIOLOGY

Viruses and bacteria in pediatric diarrhea in Thailand: a study of multiple antibiotic-resistant enteric pathogens. Leksomboon U, et al. **Am J Trop Med Hyg** 1981 Nov; 30(6):1281–90
Haemagglutination and buccal epithelial cell adherence of enterotoxigenic Escherichia coli isolated from infants with acute diarrhoeal disease. Panhotra BR, et al. **Indian J Med Res** 1981 Aug;74:187–91
Acute diarrhea in infants and children: a bacteriological study. Agarwal KC, et al. **Indian Pediatr** 1981 Jun; 18(6):369–72
Rotavirus viral RNA electrophoresis in hospitalized infants with diarrhea in Santiago, Chile. Avendaño LF, et al. **Pediatr Res** 1982 Apr;16(4 Pt 1):329–30
['In vitro' study of attachment to human enterocytes in 'Escherichia coli' strains isolated from infants with diarrheal disease (author's transl)] Lafeuille B, et al. **Ann Microbiol (Paris)** 1981 Jul–Aug;132B(1):57–67 (Eng. Abstr.) (Fre)
[Drug sensitivity and pyocin typing of Pseudomonas aeruginesa strains from feces of infants with diarrhea] Swiderski M, et al. **Pediatr Pol** 1981 Nov–Dec; 56(11–12):1339–43 (Eng. Abstr.) (Pol)
[Salmonella and Shigella isolated from diarrheal states] de Nader OM, et al. **Rev Latinoam Microbiol** 1980 Apr–Jun; 22(2):65–71 (Eng. Abstr.) (Spa)
[Rotavirus and acute diarrhea in infancy: comparison of hospitalized and outpatient cases (author's transl)] Avendaño LF, et al. **Rev Med Chil** 1981 Apr;109(4):303–5 (Eng. Abstr.) (Spa)
[Virulence mechanisms of Yersinia enterocolitica (author's transl)] Cohen J, et al. **Rev Med Chil** 1981 Jul;109(7):606–9 (Eng. Abstr.) (Spa)

MORTALITY

Infant diarrhoea and subsequent mortality from heart disease and cancer. Buck C, et al. **J Epidemiol Community Health** 1982 Mar;36(1):27–30
[Hospital morbidity and mortality of children less than 1 year old in Riberão Preto, SP (Brazil), 1975] Barros MB. **Rev Saude Publica** 1981 Jun;15(3):308–20 (Eng. Abstr.) (Por)
[Acute diarrheal diseases in Latin America, 1970–9. The situation in Cuba] Riverón-Corteguera R, et al. **Bol Of Sanit Panam** 1982 Jun;92(6):508–19 (Eng. Abstr.) (Spa)

OCCURRENCE

Feeding practices and diarrheal episodes among rural and urban infants of Lucknow. Idris MZ, et al. **Indian Pediatr** 1981 May;18(5):311–6
Gastroenteritis 1972–1978. Fitzgerald S, et al. **Ir Med J** 1982 May;75(5):155–7
Acute diarrhoea in the developing world. Nazer H. **J Trop Pediatr** 1982 Feb;28(1):1–4
Epidemiologic perspective of diarrheal disease in Costa Rica and current efforts in control, prevention, and research. Mata L. **Rev Latinoam Microbiol** 1981 Apr–Jun; 23(2):109–19
An epidemic of rotavirus diarrhoea in Manipur, India. Sengupta PG, et al. **Trans R Soc Trop Med Hyg** 1981; 75(4):521–3

PATHOLOGY

Intractable diarrhea: value of the small intestinal biopsy [letter] Byrne WJ, et al. **Pediatrics** 1981 Sep;68(3):470–1

PREVENTION & CONTROL

Delayed onset of weanling diarrhoea associated with high breast milk intake. Watkinson M. **Trans R Soc Trop Med Hyg** 1981;75(3):432–5

THERAPY

Oral rehydration in acute infantile diarrhoea with a glucose-polymer electrolyte solution. Sandhu BK, et al. **Arch Dis Child** 1982 Feb;57(2):152–4
Biotin-responsive in vivo carboxylase deficiency in two siblings with secretory diarrhea receiving total parenteral nutrition. Kien CL, et al. **J Pediatr** 1981 Oct;99(4):546–50
Comparison of simple sugar/salt versus glucose/electrolyte oral rehydration solutions in infant diarrhoea. Clements ML, et al. **J Trop Med Hyg** 1981 Oct;84(5):189–94
Oral therapy for diarrhoea: past, present and future [editorial] Levine MM. **J Trop Med Hyg** 1981 Oct;84(5):185–7
Oral therapy for acute diarrhoea [editorial] **Lancet** 1981 Sep 19;2(8247):615–7
Oral rehydration for diarrhea [letter] **N Engl J Med** 1982 Oct 7;307(15):952–3
Oral rehydration: is it as good as parenteral therapy? [editorial] Carpenter CC. **N Engl J Med** 1982 May 6; 306(18):1103–4
Oral rehydration therapy of infantile diarrhea: a controlled study of well-nourished children hospitalized in the United States and Panama. Santosham M, et al. **N Engl J Med** 1982 May 6;306(18):1070–6
Oral rehydration therapy for diarrhea in children—a basic primer. Hirschhorn N. **Nutr Rev** 1982 Apr;40(4):97–104 (24 ref.)
Simon de Vallambert on the treatment of diarrhea in infants (1565). **Pediatrics** 1982 Feb;69(2):163
Sucrose or glucose for diarrhea [letter] Hughes-Davies TH. **Pediatrics** 1981 Oct;68(4):607–9
Oral electrolyte solutions for infantile diarrhea [letter] Santosham M, et al. **Pediatrics** 1982 Apr;69(4):503–4
Oral rehydration solution [letter] Nalin DR. **Trans R Soc Trop Med Hyg** 1982;76(2):277–8
[Effects of correction of eating behavior and metabolic consumption on diarrhea, subcutaneous tissue, growth and hemoglobin in 18 children with aspecific chronic diarrhea] Ciampolini M, et al. **Minerva Pediatr** 1981 Nov 30; 33(22):1081–7 (Eng. Abstr.) (Ita)

TRANSMISSION

Cows' milk as a potential vehicle of diarrhoeal disease pathogens in a West African village. Barrell RA, et al. **J Trop Pediatr** 1982 Feb;28(1):48–52
Contamination of weaning foods and transmission of enterotoxigenic Escherichia coli diarrhoea in children in rural Bangladesh. Black RE, et al. **Trans R Soc Trop Med Hyg** 1982;76(2):259–64

VETERINARY

Effect of parenteral vaccination of dams on intestinal Escherichia coli in piglets with diarrhea. Söderlind O, et al. **Infect Immun** 1982 Jun;36(3):900–6
[Calf coronavirus neonatal diarrhea. A literature review (author's transl)] Dea S, et al. **Can Vet J** 1981 Mar; 22(3):51–8 (95 ref.) (Eng. Abstr.) (Fre)

DIARRHEOGENIC TUMOR see under **ISLET CELL TUMOR**

DIASONE see under **DAPSONE**

DIASTASE see **AMYLASES**

DIASTEMA

see related
LABIAL FRENUM

Maintenance of diastemas by a cast lingual loop connector and acid-etch technique. Chapman KW, et al. **J Am Dent Assoc** 1982 Jan;104(1):49–50

ETIOLOGY

Residual extraction sites after orthodontic treatment. Part 1. At debanding. Oftedal B, et al. **Eur J Orthod** 1982 Feb; 4(1):11–9

THERAPY

The diastema and the abnormal frenum. Fischer TJ, et al. **ASDC J Dent Child** 1981 Jul–Aug;48(4):264–8
Residual extraction sites after orthodontic treatment. Part II. At the end of retention. Wisth PJ, et al. **Eur J Orthod** 1982 May;4(2):99–104

DIASTEMATOMYELIA see **NEURAL TUBE DEFECTS**

DIASTOLE see under **MYOCARDIAL CONTRACTION**

DIATHERMY

Effect of short-wave diathermy on mobility and radiological stage of the knee in the development of experimental osteoarthritis. Vanharanta H. **Am J Phys Med** 1982 Apr; 61(2):59–65
Experimental study of hepatic, renal, and splenic wound healing following laser, diathermy, and scalpel incisions. Orda R, et al. **Am Surg** 1981 Oct;47(10):447–51
Shortwave diathermy effects on 35S-sulfate uptake and glycosaminoglycan concentration in rabbit knee tissue. Vanharanta H, et al. **Arch Phys Med Rehabil** 1982 Jan; 63(1):25–8
Exposure to the operator and patient during short wave diathermy treatments. Stuchly MA, et al. **Health Phys** 1982 Mar;42(3):341–66
A comparative evaluation of cyclocryotherapy, cyclodiathermy and cycloanemization in glaucoma. Shukla M, et al. **Indian J Ophthalmol** 1981 Apr;29(1):13–7
Local microwave hyperthermia and irradiation in cancer therapy: preliminary observations and directions for future clinical trials. Perez CA, et al. **Int J Radiat Oncol Biol Phys** 1981 Jun;7(6):765–72
Error sources affecting thermocouple thermometry in RF electromagnetic fields. Chakraborty DP, et al. **J Microwave Power** 1982 Mar;17(1):17–28
The development of microwave power applications in China. Chen HK, et al. **J Microwave Power** 1982 Mar;17(1):11–5
Physical principles of local heat therapy for cancer. Babbs CF, et al. **Med Instrum** 1981 Nov–Dec;15(6):367–73
Nasal sinusitis [letter] Rich WG. **Med J Aust** 1981 Oct 17; 2(8):387
Calculation of electric fields in conductive media. Doss JD. **Med Phys** 1982 Jul–Aug;9(4):566–73
[Results of the treatment with pulsated magnetic fields of chronic leg ulcers in geriatrics (author's transl)] De Cuyper H. **J Belge Med Phys Rehabil** 1981;4(3):139–47 (Eng. Abstr.) (Dut)
[Pulsed short waves: synthesis of basic studies] Clerin M. **J Belge Med Phys Rehabil** 1981;4(3):131–7 (Fre)
[Indications for radar therapy in rheumatology] Tarasi L. **Clin Ter** 1981 Aug 15;98(3):335–6 (Ita)
[Experimental study on the intraocular photocoagulation. Histological comparison between intraocular photocoagulation, endodiathermy, and intraocular cryotherapy in the rabbit retina (author's transl)] Mae Y. **Nippon Ganka Gakkai Zasshi** 1981;85(7):705–21 (Eng. Abstr.) (Jpn)
[Measurement and hygienic evaluation of electromagnetic fields in the environment of diathermy, welding machines and induction heaters] Aniolczyk H. **Med Pr** 1981; 32(2):119–28 (Eng. Abstr.) (Pol)
[Distribution of heat in biological tissues exposed to a UHF electromagnetic field] Svetitskiĭ PV. **Med Radiol (Mosk)** 1982 Mar;27(3):46–9 (Rus)
[Biochemical indices of tumor tissue following UHF-hyperthermia and irradiation] Ul'ianenko SE, et al. **Med Radiol (Mosk)** 1982 Jun;27(6):23–5 (Rus)
[Pathomorphologic features of the course of destructive tuberculosis after complex application of inductothermy and chemotherapy (experimental study)] Anan'eva NK, et al. **Probl Tuberk** 1982 May;(5):59–60 (Rus)
[Clinico-radiological changes in the lungs after treatment of pulmonary tuberculosis by diathermy] AnaN'eva NK, et al. **Probl Tuberk** 1981 Sep;(9):21–5 (Eng. Abstr.) (Rus)
[Short-wave therapy as a complementary treatment for chronic prostatitis] Zanetić F, et al. **Med Arh** 1981; 35(3):157–9 (Eng. Abstr.) (Scr)
[Arthropathies of the mandibular joint and their treatment with physical therapy methods] Turković D, et al. **Vojnosanit Pregl** 1981 Jul–Aug;38(4):243–6 (Scr)
[Shortwave, microwave and ultrasound therapy] Sävenstrand U. **Lakartidningen** 1982 Apr 7;79(14):1372–4 (Eng. Abstr.) (Swe)

ADVERSE EFFECTS

Exposure of physiotherapists to microwave radiation during microwave diathermy treatment. Moseley H, et al. **Clin Phys Physiol Meas** 1981 Aug;2(3):217–21

EDUCATION

Students as assessors in a performance test. Report of a pilot study. Wadsworth H. **Physiotherapy** 1981 Dec;67(12):364–7

HISTORY

[Recollections of d'Arsonval] Monod H. **J Belge Med Phys Rehabil** 1981;4(3):103–15 (Fre)

INSTRUMENTATION

Heating patterns induced by a 13.56 MHz radiofrequency generator in large phantoms and pig abdomen and thorax. Paliwal BR, et al. **Int J Radiat Oncol Biol Phys** 1982 May; 8(5):857–64
Local hyperthermia using microwaves for therapeutic purposes – experimental studies of various applicators. Guerquin-Kern JL, et al. **J Microwave Power** 1981 Dec; 16(3–4):305–11
Evaluation and survey of microwave and radiofrequency applicators. Kantor G. **J Microwave Power** 1981 Jun; 16(2):135–50 (51 ref.)
Experimental set-up for studies of microwave-induced hyperthermia in rats. Bolmsjö M, et al. **Phys Med Biol** 1982 Mar;27(3):397–406
An evaluation of microwave diathermy applicators using free space electric field mapping. Witters DM, et al. **Phys Med Biol** 1981 Nov;26(6):1099–114
Microwave diathermy. Safety in normal use. **Physiotherapy** 1981 Apr 10;67(4):108–9

METHODS

Radiofrequency diathermy for uniform heating of mouse tumours. Joiner MC, et al. **Br J Cancer [Suppl]** 1982 Mar; 45(5):71–6
Power and time factors in electrocautery and diathermy. Paver K, et al. **Cutis** 1982 May;29(5):497–8
Intra scleral diathermy in the management of proliferative retinopathy and vitreous haemorrhage. Paul AK, et al. **Indian J Ophthalmol** 1981 Dec;29(4):335–7
Thermal distribution of magnetic-loop induction hyperthermia in phantoms and animals: effect of the living state and velocity of heating. Storm FK, et al. **Int J Radiat Oncol Biol Phys** 1982 May;8(4):865–71
A localized current field hyperthermia system for use with 192-iridium interstitial implants. Astrahan MA, et al. **Med Phys** 1982 May–Jun;9(3):419–24

Considerations of radiofrequency induction heating for localised hyperthermia. Hand JW, et al. **Phys Med Biol** 1982 Jan;27(1):1–16

The treatment of postoperative hyphema by cyclodiathermy. Lieppman M, et al. **Surv Ophthalmol** 1982 Mar–Apr; 26(5):253–6

[Diathermy and cryocoagulation in the treatment of vitreous hemorrhage (author's transl)] Paul HH. **Klin Monatsbl Augenheilkd** 1982 Apr;180(4):282–5 (Eng. Abstr.) (Ger)

[Comparative study of the therapeutic effect of multichannel programmed electrotherapy, sinusoidal modulated, diadynamic and galvanic currents] Semeniutin IP, et al. **Klin Khir** 1982 Feb;(2):10–2 (Eng. Abstr.) (Rus)

[Effect of combined treatment including microwaves and inductothermy on external respiratory function and pulmonary hemodynamics in children with chronic bronchopulmonary diseases] Talanova IK, et al. **Vopr Kurortol Fizioter Lech Fiz Kult** 1981 Sep–Oct;(5):8–11 (Rus)

STANDARDS

United States radiation safety and regulatory considerations for radiofrequency hyperthermia systems. Bassen HI, et al. **J Microwave Power** 1981 Jun;16(2):215–26

DIATHERMY, SURGICAL see **ELECTROCOAGULATION**

DIATHESIS see **DISEASE SUSCEPTIBILITY**

DIATRIZOATE

Reappraisal of contrast media used to detect upper gastrointestinal perforations: comparison of ionic water-soluble media with barium sulfate. Foley MJ, et al. **Radiology** 1982 Jul;144(2):231–7

ADMINISTRATION & DOSAGE

Percutaneous injection of contrast medium into breast lesions for radiographic exclusion of malignancy. Sigfússon BF, et al. **Br J Radiol** 1982 Jan;55(649):26–31

Colonoscopic instillation of sodium diatrozoate: radiographic confirmation of endoscopically undetected polyps. Long BW, et al. **Gastrointest Endosc** 1982 May;28(2):93–4

ADVERSE EFFECTS

Alterations in heart rate and rhythm at urography with sodium diatrizoate. Lawton G, et al. **Acta Radiol [Diagn] (Stockh)** 1982;23(2):107–10

Computed tomographic scan [letter] Sutherland CM. **Arch Intern Med** 1982 Jan;142(1):200

Anaphylactoid pulmonary edema ('shock lung') and hypotension after radiologic contrast media injection. Boden WE. **Chest** 1982 Jun;81(6):759–61

Non-cardiogenic pulmonary edema following intravenous pyelography. Chann HS, et al. **Conn Med** 1982 Apr; 46(4):180–2

Recurrent severe reaction to iodinated contrast media during cardiac catheterization. Slack JD, et al. **Heart Lung** 1982 Jul–Aug;11(4):348–52

Cytogenetic effects of contrast material: diatrizoate versus iothalamate. Cochran ST, et al. **Invest Radiol** 1982 Mar–Apr;17(2):178–82

Crystalline deposits in infant urine due to x-ray constrast medium [letter] Pettit BR, et al. **Lancet** 1982 Jul 3; 2(8288):46–7

Hemolytic anemia associated with a radiopaque contrast agent in a patient with hemoglobin SC disease. Darr M, et al. **South Med J** 1981 Dec;74(12):1552

Effect of iodinated contrast material on the determination of serum creatinine. Lebowitz RL, et al. **Urol Radiol** 1981; 3(1):25–6

ANALOGS & DERIVATIVES

Comparison of the excretion of sodium and meglumine diatrizoate at urography with simulated compression: an experimental study in the rat. Owman T. **Acta Pharmacol Toxicol (Copenh)** 1981 Jul;49(1):21–7

Bronchospasm during excretory urography: lack of specificity for the methylglucamine cation. Littner MR, et al. **AJR** 1981 Sep;137(3):477–81

Hysterosalpingography: comparison of Conray 60 and Sinografin. Winfield AC, et al. **AJR** 1982 Mar; 138(3):559–60

Myocardial metabolic alterations after contrast angiography. Wisneski JA, et al. **Am J Cardiol** 1982 Aug;50(2):239–45

Morphologic endothelial response to meglumine diatrizoate: an electron-microscopic study. Raininko R. **Angiology** 1981 Nov;32(11):733–41

A comparison of iopamidol and diatrizoate in peripheral angiography. Fletcher EW. **Br J Radio.** 1982 Jan; 55(649):36–8

Prevention of contrast-induced bradycardia during coronary angiography. Richards KL, et al. **Cathet Cardiovasc Diagn** 1981;7(2):185–90

Non-cardiogenic pulmonary edema following intravenous pyelography. Chann HS, et al. **Conn Med** 1982 Apr; 46(4):180–2

Reactions and cardiovascular changes at excretion urography. Kitonyi JK. **East Afr Med J** 1981 Dec; 58(12):942–5

Evaluation of iopamidol in coronary angiography in the rabbit. Grönvall J, et al. **Eur J Radiol** 1982 Feb;2(1):95–7

Recurrent severe reaction to iodinated contrast media during cardiac catheterization. Slack JD, et al. **Heart Lung** 1982 Jul–Aug;11(4):348–52

Failure of iosulamide to enhance hepatic tumors in rats. Burgener FA, et al. **Invest Radiol** 1982 Jan–Feb;17(1):46–9

Time-density evaluation of the liver after iosulamide meglumine: a tissue-specific CT contrast agent. Marincek B, et al. **Invest Radiol** 1982 Jan–Feb;17(1):90–4

Uptake of iodinated contrast material by the ischemically damaged myocardial cell. Newell JD, et al. **Invest Radiol** 1982 Jan–Feb;17(1):61–5

Coronary arteriography in canines with calcium-enriched ioxaglate and diatrizoate. Trägårdh B, et al. **Invest Radiol** 1982 Jan–Feb;17(1):66–9

Diatrizoate meglumine (hypaque) treatment for sudden hearing loss. Emmett JR, et al. **J Laryngol Otol [Suppl]** 1981;(4):139–42

Neonatal radiocontrast nephropathy simulating infantile polycystic kidney disease. Avner ED, et al. **J Pediatr** 1982 Jan;100(1):85–7

Intralesional injection of contrast media for percutaneous needle biopsy of bone. deSantos LA, et al. **Radiology** 1982 Jun;143(3):789–90

Evaluation of the hemodynamic effects of intravenous administration of ionic and nonionic contrast materials. Implications for deriving physiologic measurements from computed tomography and digital cardiovascular imaging. Higgins CB, et al. **Radiology** 1982 Mar;142(3):681–6

Retrograde urography with a new antiseptic contrast contrast material. An experimental study. Werbin N, et al. **Urol Int** 1981;36(5):322–4

Clinical evaluation of a new radiographic contrast agent: diatrizoate meglumine 60%. Barrett RB, et al. **VM SAC** 1981 Sep;76(9):1285–9

[Urografin arthrography of knee joint with an analysis of 200 operative cases (author's transl)] Chen SQ. **Chung Hua Fang She Hsueh Tsa Chih** 1981 Aug;15(3):201–3 (Chi)

[Fatal contrast medium reaction in untreated Waldenström's disease (author's transl)] Burchardt P, et al. **Dtsch Med Wochenschr** 1981 Sep 18;106(38):1223–5 (Eng. Abstr.) (Ger)

[The roentgen-optical and clinical properties of peritrast] Vorpahl WD. **Med Welt** 1981 Nov 20;32(47):1790–3 (Ger)

[Behavior of extracorporeal kidneys during hypothermic perfusion in animal experiments. 2: Effect of roentgen contrast media on perfusion behavior] Schabel J, et al. **MMW** 1981 Aug 21;123(34):1271–2 (Ger)

[The value of oral gastrografin in the diagnosis of ileus (author's transl)] Janson R, et al. **ROFO** 1982 Jun; 136(6):641–8 (Eng. Abstr.) (Ger)

[Renal contrastography with rapid intravenous injection of Iopamidol] Bianchi SD, et al. **Radiol Med (Torino)** 1981 Sep;67(9):668–9 (Ita)

[Method of isolating blood lymphocytes in a density gradient of a polyvinyl alcohol-verografin mixture] Adamchuk LV, et al. **Lab Delo** 1982;(5):305–6 (Eng. Abstr.) (Rus)

[Experimental hepatosplenography after the administration of liposomes with verografin] Aliiakparov MT, et al. **Med Radiol (Mosk)** 1981 Nov;26(11):45–8 (Rus)

DIAGNOSTIC USE

A comparative trial of two urographic contrast media – Conray 420 and Urografin 370. Eyes BE, et al. **Australas Radiol** 1981 Jul;25(2):150–6

Comparison of diatrizoate and barium sulfate bowel markers in clinical CT. Kivisaari L, et al. **Eur J Radiol** 1982 Feb; 2(1):33–4

Rapid synthesis of 123I-labeled iodinated contrast media by 'kit'-type labeling procedure. Mills SL. **Int J Appl Radiat Isot** 1982 Jun;33(6):467–8

Use of isotonic water-soluble contrast agents for gastrointestinal examinations in infants. Kuhns LR, et al. **Radiology** 1982 Jul;144(2):411

Retrograde urography with a new antiseptic contrast contrast material. An experimental study. Werbin N, et al. **Urol Int** 1981;36(5):322–4

[Metrizamide (amipaque) and amidotrezoate (urografin) in femoral arteriography. A double-blind comparison] Hansen HS, et al. **Ugeskr Laeger** 1981 Dec 7;143(50):3377–9 (Eng. Abstr.) (Dan)

[Bronchography with visotrast B in bronchopulmonary pathology] Filippov VP, et al. **Probl Tuberk** 1981 Jun; (6):34–6 (Eng. Abstr.) (Rus)

METABOLISM

Comparison of the excretion of sodium and meglumine diatrizoate at urography with simulated compression: an experimental study in the rat. Owman T. **Acta Pharmacol Toxicol (Copenh)** 1981 Jul;49(1):21–7

Diatrizoate contrast agents: 2-amino-5-acetamido-, and 3,5-diamino-2,4,6-triiodobenzoates. Weiss R, et al. **Invest Radiol** 1981 Nov–Dec;16(6):517–24

[Biliary excretion kinetics of the biliary contrast media ioglycamide, iodoxamate and iotroxamate in the dog] Zaunbauer W, et al. **Schweiz Med Wochenschr** 1981 Jan 31;111(5):157–61 (Eng. Abstr.) (Ger)

PHARMACODYNAMICS

Myocardial metabolic alterations after contrast angiography. Wisneski JA, et al. **Am J Cardiol** 1982 Aug;50(2):239–45

The influence on thyroid function of two iodine-containing radiological contrast media. Jaffiol C, et al. **Br J Radiol** 1982 Apr;55(652):263–5

Cardiac catheterization dye does not affect serum thyroid hormone concentrations or TSH secretion. Kleinmann RE, et al. **Cathet Cardiovasc Diagn** 1982;8(3):261–5

[Arteriography with ioxaglate (Hexabrix), a new low-osmolar contrast medium. A comparative study on amidotrizoate (Urografin-meglumine) with regard to subjective discomforts] Jensen KK, et al. **Ugeskr Laeger** 1981 Mar 15;143(11):673–4 (Eng. Abstr.) (Dan)

DIATRIZOATE MEGLUMINE see under **DIATRIZOATE**

DIAZEPAM

Comparison of thiopentone and diazepam as induction agents of anaesthesia for Caesarean section. Haram K, et al. **Acta Anaesthesiol Scand** 1981 Dec;25(6):470–6

Physostigmine for post-operative somnolence after diazepam-nitrous oxide anaesthesia. Nilsson E, et al. **Acta Anaesthesiol Scand** 1982 Feb;26(1):9–14

Diazepam adsorption to infusion sets and plastic syringes. Winsnes M, et al. **Acta Anaesthesiol Scand** 1981 Apr; 25(2):93–6

The use of diazepam and of cocaine in combination with other drugs by Los Angeles County probationers. Budd RD. **Am J Drug Alcohol Abuse** 1981;8(2):249–55

Sorptive loss of diazepam and nitroglycerin from solutions to three types of containers. Yliruusi JK, et al. **Am J Hosp Pharm** 1982 Jun;39(6):1018–21

Ketamine-diazepam anaesthesia in a patient with carcinoid syndrome. Eisenkraft JB, et al. **Anaesthesia** 1981 Sep; 36(9):881–5

Midazolam as a sedative on regional anesthesia. Preliminary results. Driessen JJ, et al. **Arzneimittelforsch** 1981; 31(12a):2245–7

Sedation for upper gastrointestinal endoscopy [letter] Bardhan KD. **Br J Anaesth** 1981 Dec;53(12):1368

Comparison of i. m. diazepam and hydroxyzine as premedicants. Herr GP, et al. **Br J Anaesth** 1982 Jan; 54(1):3–9

Response of patients to upper gastrointestinal endoscopy: effect of inherent personality traits and premedication with diazepam. Webberley MJ, et al. **Br Med J [Clin Res]** 1982 Jul 24;285(6337):251–2

Comparison of thiopentone and midazolam for induction of anaesthesia: influence of diazepam premedication. Finucane BT, et al. **Can Anaesth Soc J** 1982 May;29(3):227–30

Lorazepam and diazepam as adjuncts to epidural anaesthesia for caesarean section. Ong BY, et al. **Can Anaesth Soc J** 1982 Jan;29(1):31–4

Diazepam use among methadone maintenance patients: patterns and dosages. Stitzer ML, et al. **Drug Alcohol Depend** 1981 Nov;8(3):189–99

Drug preferences in humans. Johanson CE, et al. **Fed Proc** 1982 Feb;41(2):228–33

Flunitrazepam versus diazepam for endoscopies [letter] Vatashsky E, et al. **J R Soc Med** 1982 Aug;75(8):671

Ketamine alone and combined with diazepam or xylazine in laboratory animals: a 10 year experience. Green CJ, et al. **Lab Anim** 1981 Apr;15(2):163–70

The use of valium as a form of social control. Koumjian K. **Soc Sci Med [E]** 1981 Aug;15(3):245–9

[Physico-chemical study of diazepam and hydrophilic excipients interaction (author's transl)] Neamtu M, et al. **Ann Pharm Fr** 1980;38(6):507–11 (Eng. Abstr.) (Fre)

[Myoclonus induced by some benzodiazepines in the Papio papio. Comparison with myoclonus induced by intermittent light stimulation (author's transl)] Cepeda C, et al. **Rev Electroencephalogr Neurophysiol Clin** 1982 Apr; 12(1):32–7 (19 ref.) (Eng. Abstr.) (Fre)

[Experimental clinical study of the analgesic action of various components of general electroanesthesia without pharmacologic anesthetics and analgesics] Sachkov VI, et al. **Vestn Akad Med Nauk SSSR** 1981;(8):45–50 (Eng. Abstr.) (Rus)

ADMINISTRATION & DOSAGE

Consumption of diazepam, nitrazepam and barbiturates in 5 large hospitals in Prague by defined daily doses per bed/day. Ivančová J, et al. **Act Nerv Super (Praha)** 1981 Dec;23(4):267–9

Preanaesthetic medication with rectal diazepam in children. Ahn NC, et al. **Acta Anaesthesiol Scand** 1981 Apr; 25(2):158–60

The influence of intramuscularly administered pethidine on the amnesic effects of intravenous diazepam during intravenous regional anaesthesia. Korttila K, et al. **Acta Anaesthesiol Scand** 1981 Aug;25(4):323–7

Pharmacokinetics of diazepam administered rectally in geriatric patients: comparison of suppositories with rectal tubes in a cross-over study. Viukari M, et al. **Acta Pharmacol Toxicol (Copenh)** 1981 Jul;49(1):59–64

Factors affecting diazepam infusion: solubility, administration-set composition, and flow rate. Mason NA, et al. **Am J Hosp Pharm** 1981 Oct;38(10):1449–54

Diazepam dosage and timing in ketamine combination

anaesthesia. A double-blind study. Mattila MA, et al. **Anaesthesist** 1981 Oct;30(10):500–3

Diazepam in an oil emulsion [letter] Kromann B, et al. **Anesth Analg (Cleve)** 1982 Jun;61(6):544

Time course of antirecall effect of diazepam and lorazepam following oral administration. Kothary SP, et al. **Anesthesiology** 1981 Dec;55(6):641–4

Blood levels of diazepam after endotracheal administration in dogs. Barsan WG, et al. **Ann Emerg Med** 1982 May; 11(5):242–7

Low-dose ketamine and diazepam. Use as an adjunct to local anesthesia in an office operating room. TobiN HA. **Arch Otolaryngol** 1982 Jul;108(7 :439–40

Intravenous sedation with diazepam and pentazocine. A study in dosage. Lawson JI, et al. **Br Dent J** 1981 Dec 1;151(11):379–80

Diazepam in rectal solution as premedication in children, with special reference to serum concentrations. Mattila MA, et al. **Br J Anaesth** 1981 Dec;53(12):1269–72

The effect of intravenous diazepam on rise of intraocular pressure following succinylcholine. Cunningham AJ, et al. **Can Anaesth Soc J** 1981 Nov;28(6):591–6

A perfusion system for diazepam. Paris P, et al. **Crit Care Med** 1982 Sep;10(9):608–9

Intravenous sedation with diazepam. Grayson RJ, et al. **J Am Podiatry Assoc** 1982 Jul;72(7):347–51

A safe method for repeatedly immobilizing seals. Geraci JR, et al. **J Am Vet Med Assoc** 1981 Dec 1;179(11):1192–3

Assessment of pharmacodynamics of a new 'controlled release' form of diazepam (Valium CR Roche) by quantitative EEG and psychometric analysis in neurotic subjects. Saletu B, et al. **J Int Med Res** 1981;9(6):408–33

Rectal diazepam in the treatment of absence status: a pharmacodynamic study. Milligan N, et al. **J Neurol Neurosurg Psychiatry** 1981 Oct;44(10):914–7

Clinical bioavailability evaluation of a controlled release formulation of diazepam. Gustafson JH, et al. **J Pharmacokinet Biopharm** 1981 Dec;9(6):679–91

Oral administration of diazepam and promazine hydrochloride to immobilize pronghorn. Pusateri FM, et al. **J Wildl Dis** 1982 Jan;18(1):9–16

Long-term use of diazepam. Hollister LE, et al. **JAMA** 1981 Oct 2;246(14):1568–70

Analgesic and euphoric effects of high dose diazepam in schizophrenia. Haas S, et al. **Neuropsychobiology** 1982; 8(3):123–8

Variations in amnesia with intravenous diazepam. Barclay JK. **Oral Surg** 1982 Apr;53(4):329–34

Intra-arterial diazepam [letter] Mekel RC. **S Afr Med J** 1982 Jul 31;62(6):153–4

[Diazepam in induction anesthesia] Kalaĭdzhiev A. **Khirurgiia (Sofiia)** 1982;35(2):166–72 (Eng. Abstr.) **(Bul)**

[Rectal anaesthesia with diazepam added to ketamine for preschool child (author's transl)] Postel JP, et al. **Anesth Analg (Paris)** 1981;38(9–10):443–6 (Eng. Abstr.) **(Fre)**

[Reliable continuous IV perfusion system for diazepam (author's transl)] Mathot F, et al. **J Pharm Belg** 1982 Mar–Apr;37(2):153–6 (Eng. Abstr.) **(Fre)**

[Stupor due to sodium valproate. Immediate arousal after intravenous diazepam (author's transl)] Marescaux C, et al. **Rev Neurol (Paris)** 1981;137(10):635–8 (Eng. Abstr.) **(Fre)**

[Night-time premedication with Di-potassium-clorazepate, diazepam or a placebo before anaesthesia; a double-blind trial (author' transl)] Skubella U, et al. **Anasth Intensivther Notfallmed** 1981 Dec;16(6):327–32 (Eng. Abstr.) **(Ger)**

[The use of a drug combination in anesthesia for voluntary interruption of pregnancy. Medical considerations and social and economic repercussions] De Angelis G, et al. **Minerva Anestesiol** 1981 Jun;47(6):287–90 **(Ita)**

[Febrile convulsions in children] Cavazzuti GB. **Pediatr Med Chir** 1981 Jan–Feb;3(1):115–6 **(Ita)**

[Rectal diazepam as premedication in upper gastrointestinal endoscopy] Efskind PS, et al. **Tidsskr Nor Laegeforen** 1981 Nov 20;101(32):1816–8 (Eng. Abstr.) **(Nor)**

[Combined general anesthesia with seduxen and morphine in abdominal surgery] Gel'ffand BR, et al. **Anesteziol Reanimatol** 1981 May–Jun;(3):15–8 (Eng. Abstr.) **(Rus)**

[Mechanics of breathing in patients with chronic lung diseases after surgery on the abdominal viscera using combined general anesthesia with administration of seduxen and pentazocine] Mil'dzikhov GK, et al. **Anesteziol Reanimatol** 1982 May–Jun;(3):63–7 **(Rus)**

[Comparative evaluation of myocardial contractility during multicomponent intravenous anesthesia based on drip infusion of ketamine and ataralgesia] Piliaeva IE, et al. **Anesteziol Reanimatol** 1982 May–Jun;(3):15–7 **(Rus)**

[Effect of GABA-negative preparations on the anxiolytic and sedative effects of diazepam] Andreev BV, et al. **Biull Eksp Biol Med** 1981 Jun;91(6):685–7 (Eng. Abstr.) **(Rus)**

[Combination of phenazepam and diazepam with analgesics] Aleksandrova GM, et al. **Farmakol Toksikol** 1981 Mar–Apr;44(2):147–51 **(Rus)**

[Effect of the beta-adrenoblocker propranolol and the tranquilizer seduxen on natural sleep in cats] Snisarenko AA. **Fiziol Zh SSSR** 1981 Dec;67(12):1780–4 (Eng. Abstr.) **(Rus)**

[Myoparalytic action of succinylcholine during intravenous general anesthesia with ketamine in ambulatory patients] Kamyshov IaM, et al. **Vestn Akad Med Nauk SSSR** 1981; (8):57–60 (Eng. Abstr.) **(Rus)**

[Combination of drugs for neuroleptanalgesia with other anesthetics] Sergeenko NI, et al. **Vestn Khir** 1981 Sep; 127(9):111–4 **(Rus)**

ADVERSE EFFECTS

Local discomfort and thrombophlebitis following intravenous injection of diazepam. A comparison between a glycoferol-water solution and a lipid emulsion. Selander D, et al. **Acta Anaesthesiol Scand** 1981 Dec;25(6):516–8

Coffee consumption, cigarette smoking and reporting of drowsiness in anxious patients treated with benzodiazepines or placebo. Downing RW, et al. **Acta Psychiatr Scand** 1981 Nov;64(5):398–408

A controlled trial of diazepam withdrawal in chronically anxious outpatients. Laughren TP, et al. **Acta Psychiatr Scand** 1982 Mar;65(3):171–9

Aspirin in the prevention of painful intravenous injection of disoprofol (ICI35,868) and diazepam (Valium). Bahar M, et al. **Anaesthesia** 1982 Aug;37(8):847–8

Thrombophlebitis following intravenous diazepam [letter] Sykes P. **Br Dent J** 1981 Oct 6;151(7):214

Venous complications after i.v. administration of Diazemuls (diazepam) and Dormicum (midazolam). Jensen S, et al. **Br J Anaesth** 1981 Oct;53(10):1083–5

Reduction of venous sequelae of i.v. diazepam with a fat emulsion as solvent. Mattila MA, et al. **Br J Anaesth** 1981 Dec;53(12):1265–8

Reversal of diazepam induced apnea with physostigmine. Waters BG, et al. **Can Dent Assoc J** 1981 Dec;47(12):795–7

Diazepam withdrawal seizures. Robinson GM, et al. **Can Med Assoc J** 1982 Apr 15;126(8):944–5

Onset of peak impairment after diazepam and after alcohol. Ellinwood EH Jr, et al. **Clin Pharmacol Ther** 1981 Oct; 30(4):534–8

Clinical effects and metabolism of diazepam in patients with chronic liver disease. McConnell JB, et al. **Clin Sci** 1982 Jul;63(1):75–80

A comparison of the incidence of injection pain with two different diazepam formulations--Valium and Diazemuls. Bullimore DW. **Clin Ther** 1982;4(5):367–8

Diazepam dependency and withdrawal. Ayd FJ Jr. **Curr Psychiatr Ther** 1981;20:263–73

Diazepam (Valium) hepatitis. Tedesco FJ, et al. **Dig Dis Sci** 1982 May;27(5):470–2

Wolff-Parkinson-White syndrome [letter] Grossman JB. **Drug Intell Clin Pharm** 1981 Nov;15(11):910

Drug efficacy and side effects following different formulations of intravenous diazepam. Craig M, et al. **Ir J Med Sci** 1982 Mar;151(3):79–80

Diazepam-induced thrombophlebitis [letter] Dionne RA. **J Am Dent Assoc** 1981 Jun;102(6):824, 826

Sedative-hypnotic tolerance testing and withdrawal comparing diazepam to barbiturates. Perry PJ, et al. **J Clin Psychopharmacol** 1981 Sep;1(5):289–96

Saline flush: a simple method of reducing diazepam-induced thrombophlebitis. Dutt MK, et al. **J R Soc Med** 1982 Apr; 75(4):231–3

Diazepam and malignant melanoma [letter] Adam S, et al. **Lancet** 1981 Dec 12;2(8259):1344

Increased oestradiol in diazepam related gynaecomastia [letter] Bergman D, et al. **Lancet** 1981 Nov 28; 2(8257):1225–6

Diazepam and the risk of breast cancer. Kaufman DW, et al. **Lancet** 1982 Mar 6;1(8271):537–9

Behavioral effects of chlorpromazine and diazepam combined with low-level microwaves. Thomas JR, et al. **Neurobehav Toxicol** 1980 Summer;2(2):131–5

A comparison between transient amnesias induced by two drugs (diazepam or lorazepam) and amnesia of organic origin. Brown J, et al. **Neuropsychologia** 1982;20(1):55–70

Intra-arterial diazepam [letter] Mekel RC. **S Afr Med J** 1982 Jul 31;62(6):153–4

[Local irritation after intravenous injection of 2 diazepam preparations, Diazemuls and Stesolid] Andersen KH. **Ugeskr Laeger** 1981 Jun 22;143(26):1654–5 (Eng. Abstr.) **(Dan)**

[Tumor stimulation by diazepam? (letter)] Zeller WJ. **Dtsch Med Wochenschr** 1981 Oct 16;106(42):1396 **(Ger)**

[Newborn infants of drug-addicted mothers. Review of the literature and report of personal cases] Menchini M, et al. **Pediatr Med Chir** 1982 Jan–Apr;4(1–2):119–25 (Eng. Abstr.) **(Ita)**

[Diazepam (Diazemuls Vitrum) and vein damages (letter)] Drøsdal S, et al. **Tidsskr Nor Laegeforen** 1981 Sep 20; 101(26):1477–8 **(Nor)**

[Symptoms of consciousness disorders in certain situations] Damian N. **Rev Med Interna [Neurol Psihiatr]** 1981 Apr–Jun;26(2):143–5 (Eng. Abstr.) **(Rum)**

ANALOGS & DERIVATIVES

Steady-state plasma desmethyldiazepam during long-term clorazepate use: effects of antacids. Shader RI, et al. **Clin Pharmacol Ther** 1982 Feb;31(2):180–3

Effects of two dosages of chlordesmethyldiazepam on mnestic-information processes in normal subjects. Scarone S, et al. **Clin Ther** 1981;4(3):184–91

Clearance of diazepam can be impaired by its major metabolite desmethyldiazepam. Klotz U, et al. **Eur J Clin Pharmacol** 1981;21(2):161–3

Pharmacokinetics of N-desmethyldiazepam after a single oral dose of clorazepate: the effect of smoking. Norman TR, et al. **Eur J Clin Pharmacol** 1981;21(3):229–33

Pinazepam: a precursor of N-desmethyldiazepam. Pacifici GM, et al. **Eur J Clin Pharmacol** 1982;22(3):225–8

Elimination kinetics of desmethyldiazepam in two young and two elderly subjects. Pacifici GM, et al. **Eur J Drug Metab Pharmacokinet** 1982 Jan–Mar;7(1):69–72

A rapid procedure for the screening and quantitation of barbiturates, diazepam, desmethyldiazepam and methaqualone. McCurdy HH, et al. **J Anal Toxicol** 1981 Sep–Oct;5(5):253–7

Desmethyldiazepam kinetics after intravenous, intramuscular, and oral administration of clorazepate dipotassium. Ochs HR, et al. **Klin Wochenschr** 1982 Apr 15;60(8):411–5

Binding of diazepam and desmethyldiazepam to plasma protein: concentration-dependence and interactions. Divoll M, et al. **Psychopharmacology (Berl)** 1981;75(4):380–2

Effect of age and sex on disposition of desmethyldiazepam formed from its precursor clorazepate. Shader RI, et al. **Psychopharmacology (Berlin)** 1981;75(2):193–7

ANALYSIS

Estimation of diazepam adsorbed on glass surfaces and silicone-coated surfaces as models of surfaces of containers. Mizutani T, et al. **Chem Pharm Bull (Tokyo)** 1981 Apr; 29(4):1182–3

ANTAGONISTS & INHIBITORS

Aminophylline is a diazepam antagonist. Stirt JA. **Anesth Analg (Cleve)** 1981 Oct;60(10):767–8

Ethyl beta-carboline-3-carboxylate reverses the diazepam effect on cerebellar cyclic GMP. Fujimoto M, et al. **Eur J Pharmacol** 1982 May 21;80(2–3):259–62

Reversal of the antiaversive and anticonvulsant actions of diazepam, but not of progabide, by a selective antagonist of benzodiazepine receptors. Lloyd KG, et al. **Eur J Pharmacol** 1981 Oct 15;75(1):77–8

Naloxone antagonism of diazepam-induced feeding in the Syrian hamster. Birk J, et al. **Life Sci** 1981 Sep 14; 29(11):1125–31

Bicuculline blocks diazepam-induced feeding in Syrian hamsters. Birk J, et al. **Life Sci** 1982 Jan 25;30(4):321–5

Caffeine antagonizes diazepam effects in man. Mattila MJ, et al. **Med Biol** 1982 Apr;60(2):121–3

Nanomolar concentrations of propranolol inhibit GABA-stimulated benzodiazepine binding to rat cerebral cortex. Morgan PF, et al. **Neurosci Lett** 1982 Apr 16; 29(2):159–62

Caerulein and cholecystokinin octapeptide (CCK-8): sedative and anticonvulsive effects in mice unaffected by the benzodiazepine antagonist Ro 15-1788. Zetler G. **Neurosci Lett** 1982 Mar 5;28(3):287–90

Naloxone blocks the effect of diazepam and meprobamate on conflict behaviour in rats. Duka T, et al. **Pharmacol Biochem Behav** 1981 Jul;15(1):115–7

BLOOD

Determination of diazepam and its major metabolites using high-performance liquid chromatography. Ratnaraj N, et al. **Analyst** 1981 Sep;106(1266):1001–4

On the interaction of diazepam with human, rat and mouse plasma proteins and erythrocytes. Lázníček M, et al. **Biochem Pharmacol** 1982 Apr 1;31(7):1455–8

Kinetics of high-dose i.v. diazepam. Ochs HR, et al. **Br J Anaesth** 1982 Aug;54(8):849–52

Diazepam and lidocaine plasma protein binding in renal disease. Grossman SH, et al. **Clin Pharmacol Ther** 1982 Mar;31(3):350–7

Elevation of steady-state diazepam levels by cimetidine. Klotz U, et al. **Clin Pharmacol Ther** 1981 Oct;30(4):513–7

Comparison of the placental transfer of thiopental and diazepam in caesarean section. Bakke OM, et al. **Eur J Clin Pharmacol** 1981;21(3):221–7

Disposition of intravenous diazepam in young men and women. Giles HG, et al. **Eur J Clin Pharmacol** 1981; 20(3):207–13

Diazepam plasma binding in the perinatal period: influence of nonesterified fatty acids. Ridd MJ, et al. **Eur J Clin Pharmacol** 1982;22(2):153–60

A rapid procedure for the screening and quantitation of barbiturates, diazepam, desmethyldiazepam and methaqualone. McCurdy HH, et al. **J Anal Toxicol** 1981 Sep–Oct;5(5):253–7

Relationship of diazepam serum level to antianxiety effects. Bowden CL, et al. **J Clin Psychopharmacol** 1982 Apr; 2(2):110–4

Binding of diazepam and desmethyldiazepam to plasma protein: concentration-dependence and interactions. Divoll M, et al. **Psychopharmacology (Berlin)** 1981;75(4):380–2

[On the behaviour of diazepam in blood under ethanol influence by the radioimmunoassay (author's transl)] Yamamoto F. **Igaku Kenkyu** 1980 Jan;50(1):55–64 (Eng. Abstr.) **(Jpn)**

DIAGNOSTIC USE

Diazepam test of growth hormone secretion. Kannan V. **Horm Metab Res** 1981 Jul;13(7):390–3

[Differentiation of brain tumors and vascular diseases based

on electroencephalographic tracings after relanium administration using automatic EEG analysis] Zawadzka-Tolloczko W. **Neurol Neurochir Pol** 1981 Sep-Dec;15(5-6):531-6 **(Pol)**

METABOLISM

The effects of pituitary hormones on hepatic drug metabolism in the rat. Skett P, et al. **Acta Endocrinol (Copenh)** 1982 Jul;100(3):421-6

Pharmacokinetics of diazepam administered rectally in geriatric patients: comparison of suppositories with rectal tubes in a cross-over study. Viukari M, et al. **Acta Pharmacol Toxicol (Copenh)** 1981 Jul;49(1):59-64

Rectal absorption of diazepam in epileptic children. Dhillon S, et al. **Arch Dis Child** 1982 Apr;57(4):264-7

Pharmacokinetics of diazepam in the dog. Löscher W, et al. **Arch Int Pharmacodyn Ther** 1981 Dec;254(2):180-95

Biliary excretion of diazepam in rats: influence of the route of administration and dosage. Phillips R, et al. **Arch Int Pharmacodyn Ther** 1981;253(2):180-91

Inhibition of gamma-aminobutyric acid stimulated [3H]diazepam binding by benzodiazepine receptors ligands. Marangos PJ, et al. **Biochem Pharmacol** 1981 Aug 1; 30(15):2171-4

Bioavailability of diazepam after intravenous, oral and rectal administration in adult epileptic patients. Dhillon S, et al. **Br J Clin Pharmacol** 1982 Mar;13(3):427-32

Pharmacokinetics of diazepam in epileptic patients and normal volunteers following intravenous administration. Dhillon S, et al. **Br J Clin Pharmacol** 1981 Dec;12(6):841-4

The effect of intravenous cimetidine on the absorption of orally administered diazepam and lorazepam. McGowan WA, et al. **Br J Clin Pharmacol** 1982 Aug;14(2):207-11

Diazepam kinetics in patients with renal insufficiency or hyperthyroidism. Ochs HR, et al. **Br J Clin Pharmacol** 1981 Dec;12(6):829-32

Methyl mercury enhances [3H]diazepam binding in different areas of the rat brain. Corda MG, et al. **Brain Res** 1981 Dec 14;229(1):264-9

Effects of phenytoin on [3H]diazepam binding in dissociated primary cortical cell culture. Gallager DW, et al. **Brain Res** 1981 Aug 10;218(1-2):319-30

Effect of valproic acid on [3H]diazepam and [3H]dihydropicrotoxinin binding sites at the benzodiazepine-GABA receptor-ionophore complex. Ticku MK, et al. **Brain Res** 1981 Oct 26;223(1):218-22

Spiroperidol, naloxone, diazepam and QNB binding in the monkey cerebral cortex. Divac I, et al. **Brain Res Bull** 1981 Nov;7(5):469-77

Diazepam absorption: effects of age, sex, and Billroth gastrectomy. Ochs HR, et al. **Dig Dis Sci** 1982 Mar; 27(3):225-30

Absorption of diazepam from the rectum and its effect on interictal spikes in the EEG. Milligan N, et al. **Epilepsia** 1982 Jun;23(3):323-31

Clearance of diazepam can be impaired by its major metabolite desmethyldiazepam. Klotz U, et al. **Eur J Clin Pharmacol** 1981;21(2):161-3

Effects of tetrazole derivatives on [3H]diazepam binding in vitro: correlation with convulsant potency. Rehavi M, et al. **Eur J Pharmacol** 1982 Mar 12;78(3):353-6

3H-Diazepam binding sites in Roman high- and low-avoidance rats. Gentsch C, et al. **Experientia** 1981 Dec 15;37(12):1315-6

The bioavailability of diazepam from uncoated tablets in humans--Part II: effect of gastric fluid acidity. Ogata H, et al. **Int J Clin Pharmacol Ther Toxicol** 1982 Apr; 20(4):166-70

The bioavailability of diazepam from uncoated tablets in humans--Part I: correlation with the dissolution rates of the tablets. Ogata H, et al. **Int J Clin Pharmacol Ther Toxicol** 1982 Apr;20(4):159-65

Demonstration of an endogenous, highly potent, noncompetitive protein inhibitor(s) of 3H-diazepam binding in bovine brain. Kenessey A, et al. **Int J Pept Protein Res** 1981 Jul;18(1):103-6

[3H]Diazepam displacing activity in human cerebrospinal fluid. Kuhn W, et al. **J Neurochem** 1981 Oct;37(4):1045-7

Picrotoxinin and diazepam bind to two distinct proteins: further evidence that pentobarbital may act at the picrotoxinin site. Davis WC, et al. **J Neurosci** 1981 Sep; 1(9):1036-42

Etomidate stereospecifically stimulates forebrain, but not cerebellar, 3H-diazepam binding. Ashton D, et al. **Life Sci** 1981 Dec 21;29(25):2631-6

GABA stimulation of 3H-diazepam binding in aged mice. Heusner JE, et al. **Life Sci** 1981 Aug 31;29(9):971-4

Inhibition of diazepam binding by tryptophan derivatives including melatonin and its brain metabolite N-acetyl-5-methoxy kynurenamine. Marangos PJ, et al. **Life Sci** 1981 Jul 20;29(3):259-67

Ethanol enhances [3H]diazepam binding at the benzodiazepine-gamma-aminobutyric acid receptor-ionophore complex. Davis WC, et al. **Mol Pharmacol** 1981 Sep;20(2):287-94

Studies on the relationship of gamma-aminobutyric acid-stimulated diazepam binding and the gamma-aminobutyric acid receptor. Marangos PJ, et al. **Mol Pharmacol** 1981 Jul;20(1):16-21

Impairment of diazepam metabolism by low-dose estrogen-containing oral-contraceptive steroids. Abernethy DR, et al. **N Engl J Med** 1982 Apr 1; 306(13):791-2

Ethylenediamine as a GABA agonist: enhancement of diazepam binding and interaction with GABA receptors and uptake sites. Davies LP, et al. **Neurosci Lett** 1982 Mar 17;29(1):57-61

Benzodiazepines: relationship between pharmacological activity in the rat and in vivo receptor binding. Mennini T, et al. **Pharmacol Biochem Behav** 1982 Apr;16(4):529-32

Diazepam kinetics in relation to age and sex. Ochs HR, et al. **Pharmacology** 1981;23(1):24-30

beta-Carbolines and benzodiazepine receptors: structure-activity relationships and pharmacologic activity. Skolnick P, et al. **Prog Clin Biol Res** 1982;90:233-52

Anticonvulsant doses of inosine result in brain levels sufficient to inhibit [3H] diazepam binding. Marangos PJ, et al. **Psychopharmacology (Berlin)** 1981;75(2):175-8

[Comparative pharmacokinetics and relative bioavailability of the active principles diazepam, acetylsalicylic acid, caffeine, and dihydroergotamine tartrate in a combination product] Degen J, et al. **Arzneimittelforsch** 1982; 32(3):289-93 (Eng. Abstr.) **(Ger)**

[Binding of 3H-diazepam by cerebral cortex synaptic membranes in the rat during conditioned reflex elaboration] Korotkov KO, et al. **Biull Eksp Biol Med** 1981 Dec; 92(12):695-6 (Eng. Abstr.) **(Rus)**

[Binding of 3H-serotonin, 3H-diazepam and lipid peroxidation in brain membranes] Libe ML, et al. **Biull Eksp Biol Med** 1981 Nov;92(11):552-4 (Eng. Abstr.) **(Rus)**

PHARMACODYNAMICS

The effect of amphetamine and diazepam on the restitution after the effort in healthy subjects. Markiewicz K, et al. **Acta Med Pol** 1981;22(2):141-50

Diazepam enhances cerebellar inhibition on vestibular neurons. Pettorossi VE, et al. **Acta Otolaryngol (Stockh)** 1982 May-Jun;93(5-6):363-73

Actions and interactions of diazepam and alcohol on psychomotor skills in young and middle-aged subjects. Palva ES, et al. **Acta Pharmacol Toxicol (Copenh)** 1982 May;50(5):363-9

Flunitrazepam increases and diazepam decreases the lower oesophageal sphincter tone when administered intravenously. Rubin J, et al. **Anaesth Intensive Care** 1982 May;10(2):130-2

Intra-ocular pressure and premedication with oral diazepam. Trew CT, et al. **Anaesthesia** 1982 Mar;37(3):339-40

Hemodynamic responses to anesthetic induction with midazolam or diazepam in patients with ischemic heart disease. Samuelson PN, et al. **Anesth Analg (Cleve)** 1981 Nov;60(11):802-9

Time course of ventilatory response to carbon dioxide after intravenous diazepam. Gross JB, et al. **Anesthesiology** 1982 Jul;57(1):18-21

Evaluation of instrumented force platform as a test to measure residual effects of anesthetics. Korttila K, et al. **Anesthesiology** 1981 Dec;55(6):625-30

Cerebral metabolic, vascular and protective effects of midazolam maleate: comparison to diazepam. Nugent M, et al. **Anesthesiology** 1982 Mar;56(3):172-6

Studies on some pharmacological activities of 7-nitro-2-amino-5-phenyl-3H-1,5-benzodiazepine (CP 1414 S) in the rat. A comparison with diazepam. Carli M, et al. **Arzneimittelforsch** 1981;31(10):1721-3

Effects of muscimol alone and in combination with diazepam on shuttle-box performance in rats. Cuomo V, et al. **Arzneimittelforsch** 1981;31(10):1724-6

The effect of midazolam maleate and diazepam on intraocular pressure in adults. Fragen RJ, et al. **Arzneimittelforsch** 1981; 31(12a):2273-5

Midazolam versus diazepam: different effects on systemic vascular resistance. A randomized study utilizing cardiopulmonary bypass constant flow. Samuelson PN, et al. **Arzneimittelforsch** 1981;31(12a):2268-9

Diazepam reverses bombesin-induced gastric spasms and food intake reduction in the rat. Yound WG, et al. **Behav Brain Res** 1982 Apr;4(4):401-10

Effect of diazepam on pancuronium-induced neuromuscular blockade maintained by a feedback system. Asbury AJ, et al. **Br J Anaesth** 1981 Aug;53(8):859-63

Depression of respiratory drive by diazepam as premedication. Clergue F, et al. **Br J Anaesth** 1981 Oct; 53(10):1059-63

Effect of oral diazepam on lower oesophageal sphincter pressure. Cotton BR, et al. **Br J Anaesth** 1981 Nov; 53(11):1147-50

Serum protein binding of diazepam and its displacement by valproic acid in vitro [letter] Dhillon S, et al. **Br J Clin Pharmacol** 1981 Oct;12(4):591-2

Valproic acid and diazepam interaction in vivo. Dhillon S, et al. **Br J Clin Pharmacol** 1982 Apr;13(4):553-60

Diazepam and lorazepam compared as sedatives for outpatient third molar surgery. Barclay JK, et al. **Br J Oral Surg** 1980 Sep;18(2):141-9

Modification of the antinociceptive effect of morphine by centrally administered diazepam and midazolam. Mantegazza P, et al. **Br J Pharmacol** 1982 Apr;75(4):569-72

Pharmacological treatment for intractable sneezing [letter] Gervis JH. **Br Med J [Clin Res]** 1982 May 22; 284(6328):1560

Effects of diazepam on body temperature of the aged squirrel monkey. Clark SM, et al. **Brain Res Bull** 1981 Jul;7(1):5-9

Relationship between plasma corticosterone and adrenal epinephrine after diazepam treatment in rats. Chabot G, et al. **Can J Physiol Pharmacol** 1982 May;60(5):589-96

The effect of diazepam on adenosine uptake and adenosine-stimulated adenylate cyclase in guinea-pig brain. York MJ, et al. **Can J Physiol Pharmacol** 1982 Mar; 60(3):302-7

Lack of effect of diazepam on methadone metabolism in methadone-maintained addicts. Pond SM, et al. **Clin Pharmacol Ther** 1982 Feb;31(2):139-43

Methods to assess breathlessness in healthy subjects: a critical evaluation and application to analyse the acute effects of diazepam and promethazine on breathlessness induced by exercise or by exposure to raised levels of carbon dioxide. Stark RD, et al. **Clin Sci** 1981 Oct;61(4):429-39

Promethazine and diazepam potantiate the haloperidol induced prolactin responses. Arató M. **Commun Psychopharmacol** 1980;4(4):317-22

Diazepam anxiolytic activity in hippocampus. Campbell JL, et al. **Commun Psychopharmacol** 1980;4(5):387-92

The effect of diazepam on unstimulated and on stimulated gastric secretion. Jensen KS, et al. **Dan Med Bull** 1982 Jan; 29(1):42-3

A comparison of the psychotropic profiles of tofisopam and diazepam. Bond A, et al. **Eur J Clin Pharmacol** 1982; 22(2):137-42

The diazepam stimulus complex: specificity in a rat model. Haug T, et al. **Eur J Pharmacol** 1982 May 21;80(2-3):225-30

Modification of diazepam's antileptazol activity by endogenous tryptophan-like compounds. Vellucci SV, et al. **Eur J Pharmacol** 1981 Dec 3;76(2-3):255-9

Effects of chronic treatment of rats with diazepam on GABAergic system. Pérez C, et al. **Gen Pharmacol** 1981; 12(6):489-92

Role of imipramine & desipramine in counteracting diazepam induced changes of adenosinetriphosphatase & cholinesterase of human fetal brain. Das S, et al. **Indian J Exp Biol** 1981 Aug;19(8):738-43

The involvement of monoaminergic and GABAergic systems in locomotor inhibition produced by clobazam and diazepam in rats. Hsieh MT. **Int J Clin Pharmacol Ther Toxicol** 1982 May;20(5):227-35

Comparative effects of diazepam and buspirone on subjective feelings, psychological tests and the EEG. Bond AJ, et al. **Int Pharmacopsychiatry** 1981;16(4):212-20

Levonantradol potentiates the anticonvulsant effects of diazepam and valproic acid in the kindling model of epilepsy. Ehlers CL, et al. **J Clin Pharmacol** 1981 Aug-Sep; 21(8-9 Suppl):406S-412S

The response of growth hormone and prolactin to oral diazepam in diabetics. Ajlouni K, et al. **J Endocrinol Invest** 1982 May-Jun;5(3):157-9

Cardiorespiratory effects of meperidine, diazepam, and methohexital conscious sedation. Giovannitti JA, et al. **J Oral Maxillofac Surg** 1982 Feb;40(2):92-5

Effect of combined treatment of phenytoin with diazepam on the susceptibility of mice to electroconvulsions. Czuczwar SJ, et al. **J Pharm Pharmacol** 1981 Oct; 33(10):672-3

Decrease in effects of muscimol on the dorsal root after repeated administration of diazepam in rats. Kaneko T, et al. **J Pharmacobiodyn** 1981 Dec;4(12):947-51

Effects of diazepam on ethanol withdrawal. Aaronson LM, et al. **J Pharmacol Exp Ther** 1982 May;221(2):319-25

Effects of d-amphetamine and diazepam on fixed-interval, fixed-ratio responding in humans. Tewes PA, et al. **J Pharmacol Exp Ther** 1982 May;221(2):373-83

Benzodiazepines and the gamma-aminobutyric acid (GABA) receptor. Higashi H, et al. **Kurume Med J** 1981;28(4):349-51

Effects of naloxone on anti-conflict and hyperphagic actions of diazepam. Britton DR, et al. **Life Sci** 1981 Sep 28; 29(13):1297-302

Action of thyroid hormones, diazepam, caffeine and amitriptyline on memory decay ('forgetting'). Cassone MC, et al. **Life Sci** 1981 Nov 9;29(19):1983-8

Behavioral characterization of two long-lasting adenosine analogs: sedative properties and interaction with diazepam. Crawley JN, et al. **Life Sci** 1981 Dec 21;29(25):2623-30

Oxprenolol and diazepam effects on activity, novelty preference and timidity in rats. Hughes RN. **Life Sci** 1981 Sep 14;29(11):1089-92

Does diazepam affect driving ability? Job RF. **Med J Aust** 1982 Jan 23;1(2):89-91

Investigation, with the Salmonella/microsome test, of psychopharmaceuticals used in meat production. **Preiss** AM, et al. **Mutat Res** 1982 Jul;104(6):333-7

Effects of pentobarbital and diazepam on rat plasma amino acid patterns. Eriksson T, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1981 Sep; 317(2):165-7

Acceleration by stress of dopamine synthesis and metabolism in prefrontal cortex: antagonism by diazepam. Reinhard JF Jr, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1982 Mar;318(4):374-7

Effects of diazepam and of serotonin agonists on hyponeophagia in rats. Shephard RA, et al. **Neuropharmacology** 1982 Apr;21(4):337-40

Benzodiazepines enhance the bicuculline-sensitive part of recurrent Renshaw inhibition in the cat spinal cord. Polc P, et al. **Neurosci Lett** 1982 Feb 12;28(2):193-7

Diazepam enhancement of low affinity GABA binding to rat brain membranes. Skerritt JH, et al. **Neurosci Lett** 1982

Mar 17;29(1):63–6
Systemic injection of kainic acid: effect on neurotransmitter markers in piriform cortex, amygdaloid complex and hippocampus and protection by cortical lesioning and anticonvulsants. Heggli DE, et al. **Neuroscience** 1982 May; 7(5):1257–64
Differential effects of diazepam (valium) on brain stimulation reward sites. Caudarella M, et al. **Pharmacol Biochem Behav** 1982 Jan;16(1):17–21
The effects of acute administration of diazepam on the binding of [3H]–diazepam and [3H]–gaba to rat cortical membranes. Coupet J, et al. **Pharmacol Biochem Behav** 1981 Dec;15(6):965–8
Interaction of diazepam with meperidine or normeperidine on analgesia and lethality. Leander JD. **Pharmacol Biochem Behav** 1982 Jun;16(6):1005–7
Pharmacologic control of pemoline induced self–injurious behavior in rats. Mueller K, et al. **Pharmacol Biochem Behav** 1982 Jun;16(6):957–63
Diazepam and (–)–pentobarbital: fluctuation analysis reveals different mechanisms for potentiation of gamma–aminobutyric acid responses in cultured central neurons. Study RE, et al. **Proc Natl Acad Sci USA** 1981 Nov;78(11):7180–4
Effect of parachlorophenylalanine on the incidence of abnormal behaviors observed following diazepam withdrawal. Suzuki T, et al. **Prog Neuropsychopharmacol** 1981;5(4):415–7
Behavioral evidence for different mechanisms of action for ethanol and anxiolytics. Schechter MD. **Prog Neuropsychopharmacol Biol Psychiatry** 1982; 6(2):129–35
Macrophage production of prostaglandins: effects of fetal calf serum and diazepam. Use of an improved method for extracting 6–keto–PGF1 alpha. Karmali RA, et al. **Prostaglandins Leukotrienes Med** 1982 Jun;8(6):565–77
A dose response study of the hypnotic effectiveness of alprazolam and diazepam in normal subjects. Bonnet MH, et al. **Psychopharmacology (Berlin)** 1981;75(3):258–61
Anxiety, diazepam and retrieval from semantic memory. Hartley LR, et al. **Psychopharmacology (Berlin)** 1982; 76(3):291–3
Two opposite effects of diazepam on fear by differential training in the CER–paradigm. Haug T, et al. **Psychopharmacology (Berlin)** 1981;75(2):110–3
Dyphenylhydantoin enhancement of diazepam effects on locomotor activity in mice. Turski L, et al. **Psychopharmacology (Berlin)** 1982;76(2):198–200
Administration of diazepam before cystamine in rats: lack of modification. Kuna P. **Radiobiol Radiother (Berl)** 1981; 22(5):639–43
Differential inhibition by diazepam and nitrazepam of UDP–glucuronyltransferase activities in rats. del Villar E, et al. **Res Commun Chem Pathol Pharmacol** 1981 Sep; 33(3):433–47
Benzodiazepine receptor number after acute administration of alprazolam and diazepam. Sethy VH, et al. **Res Commun Chem Pathol Pharmacol** 1982 Feb; 35(2):229–35
Influence of anxiolytic drugs (Prazepam and Diazepam) on respiratory center output and CO2 chemosensitivity in patients with lung diseases. Delpierre S, et al. **Respiration** 1981;42(1):15–20
Amnesic effects of diazepam: 'drug dependence' explained by state–dependent learning. Jensen HH, et al. **Scand J Psychol** 1982;23(2):107–11
Methyl chloride and diazepam effects on performance. Putz–Anderson V, et al. **Scand J Work Environ Health** 1981 Mar;7(1):8–13
Precipitated withdrawal by a benzodiazepine receptor antagonist (Ro 15–1788) after 7 days of diazepam. Lukas SE, et al. **Science** 1982 Sep 17;217(4565):1161–3
Diazepam impairs lateral position control in highway driving. O'Hanlon JF, et al. **Science** 1982 Jul 2;217(4554):79–81
Diazepam–cimetidine drug interaction: a clinically significant effect. Ruffalo RL, et al. **South Med J** 1981 Sep; 74(9):1075–8 (20 ref.)
Behavioral effects following chronic treatment with clomethiazole, pentobarbital and diazepam in the rat. Kiianmaa K, et al. **Subst Alcohol Actions Misuse** 1981; 2(1):45–54
Effect of diazepam on hepatocarcinogenesis in the rat. Hino O, et al. **Toxicol Lett** 1982 Apr;11(1–2):155–7
[Effect of diazepam on cardio–vascular and psychotomimetic action of ketamine administered as continuous intravenous drip. Double–blind study (author's transl)] Pedersen T, et al. **Anesth Analg (Paris)** 1981;38(7–8):321–5 (Eng. Abstr.) **(Fre)**
[Comparative study of the effects of diazepam and fentanyl on the blink reflex threshold in the normal, conscious human (preliminary study)] Dauthier C, et al. **Ann Anesthesiol Fr** 1981;22(4):317–21 (Eng. Abstr.) **(Fre)**
[Investigation to clarify the origin of scalp recorded high frequency potentials (author's transl)] Röske W. **EEG EMG** 1981 Sep;12(3):161–7 (Eng. Abstr.) **(Ger)**
[Psychological and physiological effects of cloxazolam and diazepam under anxiety–evoking and control conditions on healthy subjects (author's transl)] Boucsein W, et al. **Pharmacopsychiatria** 1982 Mar;15(2):48–56 (Eng. Abstr.) **(Ger)**
[GH after baclofen and diazepam] Carletti P, et al. **Boll Soc Ital Biol Sper** 1981 Dec 15;57(23):2351–4 (Eng. Abstr.) **(Ita)**
[Effect of flunitrazepam and diazepam on cerebrospinal fluid pressure (author's transl)] Matsumiya N, et al. **Masui** 1982 Mar;31(3):216–21 (Eng. Abstr.) **(Jpn)**
[Effects of diazepam and thiamylal on reticular multi–unit activity, visual evoked responses, EEG and arterial blood pressure in rabbits (author's transl)] Ueda Y. **Nippon Geka Hokan** 1980 Sep 1;49(5):595–607 (Eng. Abstr.) **(Jpn)**
[A metrical analysis of exploratory behavior in mice: effects of methamphetamine and diazepam (author's transl)] Nakamura K, et al. **Nippon Yakurigaku Zasshi** 1981 Jul; 78(1):1–8 (Eng. Abstr.) **(Jpn)**
[Changes in blood biochemical parameters during physical exercise and recovery after prior diazepam administration] Markiewicz K, et al. **Med Pr** 1980;31(6):435–41 (Eng. Abstr.) **(Pol)**
[Effect of the GABA receptor blockader bicuculline on the action of fenibut and diazepam] Allikmets LKh, et al. **Biull Eksp Biol Med** 1982 May;93(5):64–5 (Eng. Abstr.) **(Rus)**
[Evaluation of the tranquilizing action of neurotropic drugs] Karkishchenko NN, et al. **Farmakol Toksikol** 1982 Mar–Apr;45(2):126–30 (Eng. Abstr.) **(Rus)**
[Etiologic study of the GABAergic mechanisms of diazepam tolerance] Poshivalov VP. **Farmakol Toksikol** 1981 Sep–Oct;44(5):546–50 (Eng. Abstr.) **(Rus)**
[Selective effect of morphine and diazepam on aggressiveness caused by prolonged administration of apomorphine to rats] Vasar EE, et al. **Farmakol Toksikol** 1981 Nov–Dec; 44(6):658–60 (Eng. Abstr.) **(Rus)**

THERAPEUTIC USE

Diazepam in schizophrenia: a preliminary double–blind trial. Jimerson DC, et al. **Am J Psychiatry** 1982 Apr; 139(4):489–91
Effect of diazepam pretreatment on succinylcholine–induced muscle fasciculation in the dog. Raffe MR, et al. **Am J Vet Res** 1982 Mar;43(3):510–2
Diazepam and suxamethonium muscle pain (a dose–response study). Verma RS. **Anaesthesia** 1982 Jun;37(6):688–90
The effects of oral diazepam premedication on blood gases. El Mikatti N. **Ann R Coll Surg Engl** 1981 Nov;63(6):429–31
Public judgments of information in a diazepam patient package insert. Fisher S, et al. **Arch Gen Psychiatry** 1982 Jun;39(6):707–11
Diazepam–induced changes in tardive dyskinesia: suggestions for a new conceptual model. Singh MM, et al. **Biol Psychiatry** 1982 Jun;17(6):729–42
Clinical evaluation of diazepam for relief of postoperative pain. Singh PN, et al. **Br J Anaesth** 1981 Aug;53(8):831–6
Benzodiazepines and effectiveness of ECT [letter] D'Elia G. **Br J Psychiatry** 1982 Mar;140:322–3
Diazepam, propranolol and their combination in the management of chronic anxiety. Hallstrom C, et al. **Br J Psychiatry** 1981 Nov;139:417–21
The concept of somatic anxiety [letter] Tyrer PJ. **Br J Psychiatry** 1982 Mar;140:325
Successful treatment of anxiety with a single night–time dose of chlormezanone: double–blind comparison with diazepam. Allin DM. **Curr Med Res Opin** 1982;8(1):33–8
A comparison of diazepam and phenoperidine in premedication for upper gastrointestinal endoscopy: a randomized double blind controlled study. Werner D, et al. **Eur J Clin Pharmacol** 1982;22(2):143–5
Long–term treatment with diazepam. Investigation of consumption habits and the interaction between psychotherapy and psychopharmacotherapy: a prospective study. Balmer R, et al. **Int Pharmacopsychiatry** 1981; 16(4):221–34
The use of psychopharmacology to study reciprocal influences in parent–child interaction. Barkley RA. **J Abnorm Child Psychol** 1981 Sep;9(3):303–10
Methylphenidate and diazepam in severe reading retardation. Aman MG, et al. **J Am Acad Child Psychiatry** 1982 Jan; 21(1):31–7
Multicenter double–blind efficacy and safety study comparing alprazolam, diazepam and placebo in clinically anxious patients. Cohn JB. **J Clin Psychiatry** 1981 Sep; 42(9):347–51
Diazepam in the treatment of extrapyramidal symptoms: a case report. Director KL, et al. **J Clin Psychiatry** 1982 Apr;43(4):160–1
Withdrawal and pseudowithdrawal from diazepam therapy. Winokur A, et al. **J Clin Psychiatry** 1981 Nov;42(11):442–4
Tizanidine (DS 103–282) in the treatment of acute paravertebral muscle spasm: a controlled trial comparing tizanidine and diazepam. Fryda–Kaurimsky Z, et al. **J Int Med Res** 1981;9(6):501–5
Protective action of diazepam and of sympathomimetic amines against amitryptyline–induced toxicity. Follmer CH, et al. **J Pharmacol Exp Ther** 1982 Aug;222(2):424–9
Effect of diazepam alone and in combination with chlorpromazine or propranolol in experimentally induced convulsions in mice. Billimoria RB, et al. **J Postgrad Med** 1981 Apr;27(2):73–9
Evaluation of diazepam alone and in combination with chlorpromazine or propranolol in the therapy of tetanus. Billimoria RB, et al. **J Postgrad Med** 1981 Apr;27(2):80–5
Pharmacological aspects of metaldehyde poisoning in mice. Homeida AM, et al. **J Vet Pharmacol Ther** 1982 Mar; 5(1):77–81
Fentanyl and diazepam in endoscopy of the upper gastrointestinal tract. Stephens MJ, et al. **Med J Aust** 1982 May 15;1(10):419–20
Prolonged relief of dystonic movements with diazepam. Ziegler DK. **Neurology (NY)** 1981 Nov;31(11):1457–8
The anticonvulsant effects of diazepam and phenobarbital in prekindled and kindled cortical seizures. Alberton TE, et al. **Neuropharmacology** 1981 Nov;20(11):1121–4
Analgesic and euphoric effects of high dose diazepam in schizophrenia. Haas S, et al. **Neuropsychobiology** 1982; 8(3):123–8
Neonatal tetanus treated with diazepam as single antispasmodic agent. Soetomenggolo TS, et al. **Paediatr Indones** 1981 May–Jun;21(5–6):101–6
Diazepam and self or externally paced letter matching tasks. Hartley LR, et al. **Prog Neuropsychopharmacol Biol Psychiatry** 1982; 6(2):185–92
A clinical appraisal of diazepam. Cohen S. **Psychosomatics** 1981 Sep;22(9):761–9
Therapeutics of monomethylhydrazine intoxication. George ME, et al. **Toxicol Appl Pharmacol** 1982 Apr;63(2):201–8
[The value of FSH, LH, estradiol and testosterone after administration of Seda–Presomen in women after hysterectomy with bilateral adnexectomy] Stehlíková J, et al. **Acta Univ Palacki Olomuc Fac Med** 1981;101:139–45 **(Ger)**
[The jitter–phenomenon in myasthenia gravis and the influence of diazepame. An electromyographic study of single muscle fibre (author's transl)] Milonas I, et al. **EEG EMG** 1981 Dec;12(4):183–4 (Eng. Abstr.) **(Ger)**
[Pediatric use of a drug, anticholinergic and muscle relaxant on the gastrointestinal tract] Gamalero PC, et al. **Pediatr Med Chir** 1982 Jan–Apr;4(1–2):79–81 **(Ita)**
[Effect of diazepam on cyclic changes in the excitability and status of Na, K–ATPase in an epileptic focus] Samsonova NA. **Vestn Akad Med Nauk SSSR** 1981;(5):62–4 (Eng. Abstr.) **(Rus)**
[Psychopharmacologic approach to studying various problems in slowly progressive schizophrenia] Boleloutskii Z. **Zh Nevropatol Psikhiatr** 1982;82(1):105–10 (Eng. Abstr.) **(Rus)**

TOXICITY

Comparative study of the teratogenic effects of chlordiazepoxide and diazepam in the fetal hamster. Gill TS, et al. **Life Sci** 1981 Nov 23;29(21):2141–7

DIAZINON see under **INSECTICIDES, ORGANOTHIOPHOSPHATE**

DIAZOACETYLGLYCINE AMIDE see under **AZO COMPOUNDS**

DIAZOMETHANE

ANALOGS & DERIVATIVES

Inhibition of cysteine proteinase activity by Z–Phe–Phe–diazomethane and of aspartic proteinase activity by pepstatin in different organs from some animals and isolated cells from rat liver. Riemann S, et al. **Acta Biol Med Ger** 1982;41(1):83–8
Rapid interaction of cathepsin L by Z–Phe–PheCHN12 and Z–Phe–AlaCHN2. Kirschke H, et al. **Biochem Biophys Res Commun** 1981 Jul 30;101(2):454–8
N–alpha–carbobenzoxy pyroglutamyl diazomethyl ketone as active–site–directed inhibitor for pyroglutamyl peptidase. Fujiwara K, et al. **Biochim Biophys Acta** 1982 Apr 3; 702(2):149–54
Inactivation of thiol proteases with peptidyl diazomethyl ketones. Shaw E, et al. **Methods Enzymol** 1981;80 Pt C:820–6

DIAZONIUM COMPOUNDS

A specific stain for alpha–glucosidases in isoelectric focusing gels. Spielman LL, et al. **Anal Biochem** 1982 Feb; 120(1):66–70
Azodipyrroles of unconjugated and conjugated bilirubin using diazotized ethyl anthranilate in dimethyl sulfoxide. Trotman BW, et al. **Anal Biochem** 1982 Mar 15; 121(1):175–80

ADVERSE EFFECTS

Allergic contact dermatitis from diazo paper. Conde–Salazar L, et al. **Contact Dermatitis** 1982 May;8(3):210–1
Occupational asthma after exposure to a diazonium salt. Graham VA, et al. **Thorax** 1981 Dec;36(12):950–1

CHEMICAL SYNTHESIS

Diazotizable arylamine cellulose papers for the coupling and hybridization of nucleic acids. Seed B. **Nucleic Acids Res** 1982 Mar 11;10(5):1799–810

ISOLATION & PURIFICATION

Evidence for the occurrence and formation of diazonium ions in the Agaricus bisporus mushroom and its extracts. Ross AE, et al. **J Agric Food Chem** 1982 May–Jun;30(3):521–5

METABOLISM

Mutagenicity of amide type and carbamate type diazoalkane-generating agents in Salmonella/microsome assay. Morita T, et al. **Chem Pharm Bull (Tokyo)** 1981 Jun; 29(6):1758-62

PHARMACODYNAMICS

Modification of the acceptor binding site of gamma-glutamyl transpeptidase by the diazonium derivatives of p-aminohippurate and p-aminobenzoate. Gardell SJ, et al. **Arch Biochem Biophys** 1982 Jul;216(2):719-26

Preparation of azolactoperoxidase. Evidence for the dependence of lacto-peroxidase activity on tyrosyl residues. Mäkinen KK, et al. **Biochem Biophys Res Commun** 1982 Apr 29;105(4):1402-7

The effect of diazane on the proliferation of human tumor cells. Shamaev VI, et al. **Biol Bull Acad Sci Ussr** 1981 Mar-Apr;8(2):171-6

[Physicochemical properties of diazepam-modified DNP] Smotriaeva MA, et al. **Izv Akad Nauk SSSR [Biol]** 1982 May-Jun;(3):436-9 (Eng. Abstr.) **(Rus)**

THERAPEUTIC USE

[Changes in the proliferative activity of human breast cancer cells cultivated in vivo in diffusion chambers in response to antineoplastic agents] Shamaev VI, et al. **Biull Eksp Biol Med** 1981 Jul;92(7):77-9 (Eng. Abstr.) **(Rus)**

[Changes in the concentration of hematopoietic stem cells, erythrocytes and leukocytes during hepatoma development and in exposure to an antitumor agent] Sadovnikova IP, et al. **Izv Akad Nauk SSSR [Biol]** 1981 Sep-Oct;(5):781-5 (Eng. Abstr.) **(Rus)**

TOXICITY

Studies of DNA damage in rat pancreas and liver by 6-diazo-5-oxo-L-norleucine, ethyl diazoacetate and azaserine. Lilja HS, et al. **Cancer Lett** 1981 Mar; 12(1-2):139-46

DIAZOOXONORLEUCINE see under **AZO COMPOUNDS**

DIAZOXIDE

ADMINISTRATION & DOSAGE

Efficacy of slow infusion of diazoxide in the treatment of severe hypertension without organ hypoperfusion. Garrett BN, et al. **Am Heart J** 1982 Mar;103(3):390-4

Combined intravenous administration of diazoxide and beta-blocking agent in acute treatment of severe hypertension or hypertensive crisis. Huysmans FT, et al. **Am Heart J** 1982 Mar;103(3):395-400

Beneficial hemodynamic effects of intravenous diazoxide in refractory congestive heart failure. Massie BM, et al. **Am Heart J** 1982 Sep;104(3):581-6

Control of severe hypertension with pulse diazoxide. Wilson DJ, et al. **Cardiovasc Clin** 1981;12(2):79-91

[Diazoxide in hypertensive crisis: rapid injection or slow infusion?] Thien T, et al. **Ned Tijdschr Geneeskd** 1981 Nov 7;125(45):1823-8 (Eng. Abstr.) **(Dut)**

[Slow infusion of diazoxide for hypertensive crisis] Flatau E, et al. **Harefuah** 1981 Dec 1;101(11):303-4 (Eng. Abstr.) **(Heb)**

ADVERSE EFFECTS

Lack of a gonadal or adrenal androgenic mechanism for the hypertrichosis produced by diazoxide, phenytoin and minoxidil. Parker LN, et al. **Biochem Pharmacol** 1982 May 15;31(10):1948-50

Hazards of diazoxide in pulmonary hypertension. Buch J, et al. **Br Heart J** 1981 Oct;46(4):401-3

Neonatal hyperglycaemia after prolonged maternal treatment with diazoxide. Smith MJ, et al. **Br Med J [Clin Res]** 1982 Apr 24;284(6324):1234

Adult respiratory distress syndrome occurring after therapy with diazoxide and betamethasone for premature labor: a case report. DiOrio J Jr, et al. **RI Med J** 1982 Jul; 65(7):275-7

[Hypertrichosis following prolonged use of i.v. diazoxide. Apropos of a case] Pérez Mijares R, et al. **Rev Clin Esp** 1981 Sep 15;162(5):225-7 **(Spa)**

BLOOD

Diazoxide concentration-response relation in hypertension. Ogilvie RI, et al. **Hypertension** 1982 Jan-Feb;4(1):167-73

PHARMACODYNAMICS

Long-term and short-term effects of calcium, verapamil and diazoxide on biosynthesis and release of (pro-) insulin in isolated islets of rat pancreas. Leinweber KP, et al. **Acta Endocrinol (Copenh)** 1982 Jan;99(1):94-100

Opposite effects of tolbutamide and diazoxide on 86Rb+ fluxes and membrane potential in pancreatic B cells. Henquin JC, et al. **Biochem Pharmacol** 1982 Apr 1; 31(7):1407-15

Relaxation of isolated middle cerebral artery induced by diazoxide. Estrada C, et al. **Blood Vessels** 1981;18(6):303-10

Haemodynamic and metabolic effects of diazoxide during rest and forearm exercise. Hartling OJ, et al. **Eur J Clin Pharmacol** 1982;22(2):111-6

Effects of diazoxide and hydrochlorothiazide on water permeability and sodium transport in the frog bladder. Marumo F, et al. **Pharmacology** 1982;24(3):175-80

The effect of glucagon and diazoxide on the normal and obstructed upper urinary tract. Mayo ME, et al. **Urol Int** 1981;36(2):100-9

THERAPEUTIC USE

Diazoxide in the management of severe hypertension after electroconvulsive therapy. Kraus RP, et al. **Am J Psychiatry** 1982 Apr;139(4):504-5

Anesthesia for patients with insulinoma treatment with oral diazoxide. Burch PG, et al. **Anesthesiology** 1981 Oct; 55(4):472-5

Diazoxide in the management of chlorpropamide overdose. Meatherall RC, et al. **J Anal Toxicol** 1981 Nov-Dec; 5(6):287-91

Idiopathic leucine-sensitive hypoglycemia syndrome: insulin and glucagon responses and effects of diazoxide. Roe TF, et al. **Pediatr Res** 1982 Jan;16(1):1-4

Diazoxide treatment of canine insulinoma. Parker AJ, et al. **Vet Rec** 1981 Aug 29;109(9):178-9

[Treatment of acute, severe hypertension assessed in a multicentre study. The effects of rest and furosemide and a randomized clinical trial of chlorpromazine, dihydralazine and diazoxide] Nielsen PE, et al. **Ugeskr Laeger** 1981 Jun 1;143(23):1451-7 (Eng. Abstr.) **(Dan)**

[Changes in plasma volume and electrolytes after treatment of therapy-resistant hypertension with diazoxide and furosemide] Kiesewetter R, et al. **Z Gesamte Inn Med** 1981 Sep 1;36(17):627-30 (Eng. Abstr.) **(Ger)**

[Clinical experience obtained from use of diazoxide (Hypertonalum) for treatment of acute intrapartum hypertensive crisis (author's transl)] During R. **Zentralbl Gynakol** 1982;104(2):89-93 (Eng. Abstr.) **(Ger)**

[Evaluation of the metabolic action of glucagon in subjects undergoing anti-insulin therapy] Marugo M, et al. **Clin Ter** 1981 Mar 31;96(6):579-92 (Eng. Abstr.) **(Ita)**

[Occult insulinoma. New prospects for the therapeutic approach] Calzoni D, et al. **Minerva Chir** 1981 Nov 15; 36(21):1415-9 (Eng. Abstr.) **(Ita)**

[Diazoxide vs. labetalol: a cross-over comparison of acute effects in hypertensive patients (author's transl)] Rumboldt Z, et al. **Lijec Vjesn** 1980;102(11):619-23 (Eng. Abstr.) **(Scr)**

[Use of diazoxide (Hyperstat) in the treatment of acute hypertensive states in pregnancy] Tasić D. **Med Pregl** 1981; 34(1-2):61-3 (Eng. Abstr.) **(Scr)**

DIBENAMINE

PHARMACODYNAMICS

Phencxybenzamine and dibenamine interactions with calcium channel effectors of the muscarinic receptor. El-Fakahany E, et al. **Mol Pharmacol** 1981 Nov;20(3):519-25

The influence of drugs on disseminated intravascular coagulation (DIC). V. Effects of alpha-adrenoceptor blocking agents on thrombin-induced DIC in rats. Nowak G, et al. **Thromb Res** 1981 May 15;22(4):417-25

DIBENZAZEPINES

ADMINISTRATION & DOSAGE

Relapse of duodenal ulcer after treatment with trimipramine/antacids or cimetidine/antacids. Berstad A, et al. **Scand J Gastroenterol** 1981;16(7):933-6

ADVERSE EFFECTS

Drug-induced rapid cycling: possible outcomes and management. Oppenheim G. **Am J Psychiatry** 1982 Jul; 139(7):939-41

Evaluation of side effects due to clozapine in long-term treatment of psychosis. Kirkegaard A, et al. **Arzneimittelforsch** 1982;32(4):465-8

Mianserin-induced agranulocytosis [letter] **Br Med J [Clin Res]** 1982 Aug 7;285(6339):437-8

Mianserin-induced agranulocytosis [letter] **Br Med J [Clin Res]** 1982 Jul 17;285(6336):208-9

Fatal aplastic anaemia associated with mianserin [letter] Durrant S, et al. **Br Med J [Clin Res]** 1982 Aug 7; 285(6339):437

Mianserin-induced agranulocytosis. Page CE. **Br Med J [Clin Res]** 1982 Jun 26;284(6333):1912-3

A suspected case of trimipramine-induced salivary adenitis. Ponte CD. **Drug Intell Clin Pharm** 1982 Mar;16(3):248-9

Neutropenia following mianserin [letter] Wilcox JB. **NZ Med J** 1982 Jul 28;95(712):515

[Agranulocytosis during treatment with mianserin (Tolvon)] Skallgård F. **Ugeskr Laeger** 1981 Nov 9;143(46):3057 (Eng. Abstr.) **(Dan)**

[Agranulocytosis during treatment with mianserin (letter)] Lombrail P, et al. **Therapie** 1981 Sep-Oct;36(5):593-4 **(Fre)**

[The most common complications in neuroleptic therapy. A case report] Preradović M. **Vojnosanit Pregl** 1981 May-Jun; 38(3):211-2 **(Scr)**

[Tardive psychosis (supersensitivity psychosis) - hypothesis or reality?] Ekblom B, et al. **Lakartidningen** 1981 Dec 2; 78(49):4460-2 (Eng. Abstr.) **(Swe)**

ANALYSIS

High performance liquid chromatographic determination of clocapramine in feed and plasma. Geahchan A, et al. **J Assoc Off Anal Chem** 1982 May;65(3):706-10

BLOOD

A simplified method for the estimation of mianserin in plasma [letter] Lewis J, et al. **Br J Clin Pharmacol** 1981 Oct; 12(4):583-5

A pharmacokinetic study of mianserin. Maguire KP, et al. **Eur J Clin Pharmacol** 1982;21(6):517-20

Selected ion monitoring assay for the antidepressant mianserin in human plasma with stable isotope labeled analog as internal standard. Jindal SP, et al. **J Anal Toxicol** 1982 Jan-Feb;6(1):34-7

CHEMICAL SYNTHESIS

Synthesis of clozapine analogues and their affinity for clozapine and spiroperidol binding sites in rat brain. de Paulis T, et al. **J Med Chem** 1981 Sep;24(9):1021-6

Antiinflammatory 5,6-dihydro-11-oxodibenz[b,e]azepine-3-acetic acids. Dunn JP, et al. **J Med Chem** 1981 Sep;24(9):1097-9

METABOLISM

Specific binding of [3H]mianserin and [3H]imipramine to structures of rat hippocampus. Brunello N, et al. **Eur J Pharmacol** 1982 Mar 12;78(3):383-4

Affinity of 10-(4-methylpiperazino)dibenz[b,f]oxepins for clozapine and spiroperidol binding sites in rat brain. Harris TW, et al. **J Med Chem** 1982 Jul;25(7):855-8

Differential binding of 3H-imipramine and 3H-mianserin in rat cerebral cortex. Dumbrille-Ross A, et al. **Life Sci** 1981 Nov 16;29(20):2049-58

Different synaptic location of mianserin and imipramine binding sites. Brunello N, et al. **Science** 1982 Feb 26; 215(4536):1112-5

Metabolism of lofepramine by rat liver microsomes. Gunnarsson PO, et al. **Xenobiotica** 1982 Feb;12(2):83-91

Metabolism of lofepramine by rat liver microsomes. Gunnarsson PO, et al. **Xenobiotica** 1982 Feb;12(2):83-91

[Alkylation of 6-benzyl-5H-dibenzo(d,f)-(1,3)diazepine] Boido A, et al. **Boll Soc Ital Biol Sper** 1981 Apr 15; 57(7):759-65 (Eng. Abstr.) **(Ita)**

PHARMACODYNAMICS

Actions of lofepramine, a new tricyclic antidepressant, and desipramine on electrophysiological and mechanical parameters of guinea pig atrial and papillary muscles. Arlock P. **Acta Pharmacol Toxicol (Copenh)** 1981 Oct; 49(4):248-58

On the mode of action of mianserin. Leonard BE. **Adv Biochem Psychopharmacol** 1982;31:301-19 (73 ref.)

Effects of some atypical antidepressants on catecholamine synthesis and release. Raiteri M, et al. **Adv Biochem Psychopharmacol** 1982;31:199-209

Impromidine-induced hypothermia in rats: effect of cimetidine and mianserine. Nowak JZ. **Agents Actions** 1982 Apr;12(1-2):148-52

Pharmacodynamic studies on mianserin and its interaction with clonidine. Elliott HL, et al. **Eur J Clin Pharmacol** 1981;21(2):97-102

Differential actions of mianserin and iprindole on the sensitivity of cortical neurons to noradrenaline: effect of chronic treatment. Olpe HR, et al. **Eur J Pharmacol** 1981 Jul 10;72(4):381-5

A study on the pharmacological and biochemical profile of clocapramine. Kurihara M, et al. **Int Pharmacopsychiatry** 1982;17(2):73-90

Presynaptic alpha-block and inhibition of noradrenaline and 5-hydroxytryptamine reuptake by a series of compounds related to mianserin. Nickolson VJ, et al. **J Pharm Pharmacol** 1981 Dec;33(12):760-6

Serotonin receptor sensitivity after acute and chronic treatment with mianserin. Blackshear MA, et al. **J Pharmacol Exp Ther** 1982 May;221(2):303-8

Interactions of anticonvulsant drugs with mianserin and nomifensine [letter] Nawishy S, et al. **Lancet** 1981 Oct 17; 2(8251):871-2

Effect of methiothepin on imipramine- or mianserin- induced subsensitivity of serotonergic receptors. Segawa T, et al. **Life Sci** 1982 Mar 8;30(10):809-12

Comparative pharmacology of mianserin, its main metabolites and 6-azamianserin. Nickolson VJ, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1982 Apr; 319(1):48-55

Interaction between mianserin and clonidine at alpha 2-adrenoceptors. Pommier Y, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1982 Mar; 318(4):288-94

Clozapine effects on responding maintained under shock presentation and shock termination schedules. Bacotti AV. **Pharmacol Biochem Behav** 1981 Sep;15(3):415-8

Postnatal development of a cholinergic influence on neuroleptic-induced catalepsy. Burt DK, et al. **Pharmacol Biochem Behav** 1982 Apr;16(4):533-40

Behavioral and biochemical aspects of neuroleptic-induced dopaminergic supersensitivity: studies with chronic

clozapine and haloperidol. Seeger TF, et al. **Psychopharmacology (Berlin)** 1982;76(2):182–7

Serum concentration of pancreatic polypeptide after infusion of histamine and the effect of cimetidine, trimipramine, and atropine in man. Flaten O, et al. **Scand J Gastroenterol** 1981;16(8):989–91

[Cloxazepine: neuropharmacological studies] Stefanova D. **Eksp Med Morfol** 1981;20(4):208–13 (Eng. Abstr.) **(Bul)**

[Demonstration of the adrenergic beta-blocking activity of carpipramine] Laborit H, et al. **Agressologie** 1981;22(1):13–7 (Eng. Abstr.) **(Fre)**

[Mianserin, presynaptic receptor and biochemical model of depression of Tissot (author's transl)] Dereux JF. **Encephale** 1981;7(4 Suppl):399–400 (Eng. Abstr.) **(Fre)**

[Possible discrepancy between behavioral adequacy and motor automatisms in cats with phenamine-induced stereotypy] Tolpyshev BA, et al. **Biull Eksp Biol Med** 1981 Aug;92(8):46–8 (Eng. Abstr.) **(Rus)**

[Comparative evaluation of the effect of haloperidol and clozapine on rotational movements induced by caudate nucleus stimulation in cats] Anokhov SS, et al. **Farmakol Toksikol** 1981 May–Jun;44(3):279–83 (Eng. Abstr.) **(Rus)**

[Special action of leponex on mitochondria in cultures of human nerve tissue] Buravlev VM. **Zh Nevropatol Psikhiatr** 1981;81(7):1059–63 (Eng. Abstr.) **(Rus)**

POISONING

[Acute carpipramine overdosage. Report of 26 cases (author's transl)] Carlier P, et al. **Therapie** 1982 Jan–Feb;37(1):89–94 (Eng. Abstr.) **(Fre)**

[Hemoperfusion and forced diuresis in dibenzepine poisoning (letter)] Vlachoyannis J, et al. **Dtsch Med Wochenschr** 1981 Oct 2;106(40):1314–5 **(Ger)**

THERAPEUTIC USE

Long-term treatment with mianserin: a clinical study with plasma levels. Altamura AC, et al. **Adv Biochem Psychopharmacol** 1982;32:357–61

Treating the depressed elderly patient: the comparative behavioral pharmacology of mianserin and amitriptyline. Branconnier RJ, et al. **Adv Biochem Psychopharmacol** 1982; 32:195–212

A double blind comparative study of mianserin and a fixed combination of amitriptyline plus chlordiazepoxide. Dimitriou EC, et al. **Adv Biochem Psychopharmacol** 1982; 32:213–22

CSF monoamine metabolites during treatment with mianserin or amitryptyline. Mendlewicz J, et al. **Adv Biochem Psychopharmacol** 1982;32:249–56

Double blind test with mianserin versus chlorimipramine. Rapisarda V, et al. **Adv Biochem Psychopharmacol** 1982; 32:141–9

Comparative double-blind study on efficacy and side-effects of trazodone, nomifensine, mianserin in elderly patients. Scardigli G, et al. **Adv Biochem Psychopharmacol** 1982; 32:229–36

Mianserin reduces plasma levels of beta-endorphin immunoreactivity in depressed patients. Drago F, et al. **Experientia** 1982 Jun 15;38(6):685–6

Clinical trial value of trimipramine versus placebo in duodenal ulcer healing. Daneshmend TK, et al. **Gut** 1981 Dec;22(12):1045–7

Low-dose mianserin as adjuvant therapy in obese patients treated by a very-low-calorie diet. Cook RF, et al. **Int J Obes** 1981;5(3):267–72

A controlled comparison of trimipramine and amitriptyline. Kline NS. **J Clin Psychiatry** 1982 Mar;43(3):100–4

A double-blind study of trazodone and mianserin in the treatment of depression in general practice. Richards HH, et al. **J Int Med Res** 1982;10(3):147–56

Combined use of trimipramine and phenelzine in depression. Zetin M. **J Nerv Ment Dis** 1982 Apr;170(4):246–7

Multicentre evaluation of mianserin in depressive illness. Marriott P, et al. **Med J Aust** 1981 Jul 25;2(2):97–8

Mianserin. Pinder RM, et al. **Mod Probl Pharmacopsychiatry** 1982;18:70–101 (113 ref.)

On the clinical response/serum level relationship for antidepressants II: Lofepramine and imipramine. Dutt JE. **Psychopharmacol Bull** 1982 Apr;18(2):17–27

Mianserin and clomipramine in the treatment of depression. Levin A. **S Afr Med J** 1982 May 8;61(19):701–4

Trimipramine in the treatment of active duodenal ulceration. Moshal MG, et al. **Scand J Gastroenterol** 1981;16(2):295–8

[Comparative results of the treatment of anxiety in the depressive syndrome with Tolvon, Vivalan and Alival] Ivanov V, et al. **Agressologie** 1981 Nov;22(D):29–30 **(Fre)**

[Clinical trial of quinupramine in the treatment of depressive states. synthesis of 3035 cases] Des Lauriers A, et al. **Ann Med Psychol (Paris)** 1982;140(2):262–76 **(Fre)**

[Antidepressant monotherapy: efficacy and tolerability of mianserin (Athymil)] Pringuey D, et al. **Ann Med Psychol (Paris)** 1981 Nov;139(9):1003–14 **(Fre)**

[Analysis of controlled studies comparing mianserin and clomipramine (author's transl)] de Buck RP. **Encephale** 1981;7(4 Suppl):455–72 (Eng. Abstr.) **(Fre)**

[New antidepressant multicenter study in hospitalized patients: quinupramine (author's transl)] Deniker P, et al. **Encephale** 1982;8(1):65–87 (Eng. Abstr.) **(Fre)**

[An open study of Mianserin (author's transl)] Lemperiere T, et al. **Encephale** 1981;7(4 Suppl):445–54 (Eng. Abstr.) **(Fre)**

[Mianserin: review and discussion of its double-blind studies versus nomifensine] Montogomery SA, et al. **Encephale** 1981;7(4 Suppl):485–94 (Eng. Abstr.) **(Fre)**

[Comparison of the therapeutic effects of lofepramine and maprotiline in depression] Finke G, et al. **MMW** 1982 Mar 26;124(12):301–3 **(Ger)**

[Clozapine in the treatment of manic states] Strzyżewski W, et al. **Psychiatr Pol** 1981 May–Jun;15(3):331–2 **(Pol)**

[Clinical evaluation of the antidepressive agent noveril] Nevskiĭ MP, et al. **Farmakol Toksikol** 1982 May–Jun; 45(3):50–2 (Eng. Abstr.) **(Rus)**

DIBENZEPIN see under **DIBENZAZEPINES**

DIBENZHEPTROPINE see under **TROPANES**

DIBENZOCYCLOHEPTENES

ADVERSE EFFECTS

Protriptyline and tinnitus. Evans DL, et al. **J Clin Psychopharmacol** 1981 Nov;1(6):404–6

[Hepatitis caused by amineptine : a case with reintroduction of the drug (letter)] Cleau D. **Gastroenterol Clin Biol** 1981 Nov;5(11):1067 **(Fre)**

[Hepatitis and amineptin (letter)] Martin D, et al. **Gastroenterol Clin Biol** 1981 Nov;5(11):1071–2 **(Fre)**

[Hepatitis, cholestasis and amineptine (author's transl)] Bel A, et al. **Sem Hop Paris** 1981 Dec 18–25;57(47–48):1992–6 (Eng. Abstr.) **(Fre)**

[Pathomorphological changes in the internal organs of rats after long-term administration of oxazepam and protriptyline] Smigla K, et al. **Patol Pol** 1981;32(1):99–108 (Eng. Abstr.) **(Pol)**

ANALYSIS

Gas chromatographic determination of noxyptyline in substance, tablets and in biological material. Szyszko E, et al. **J Chromatogr** 1981 Dec 4;219(2):291–6

CHEMICAL SYNTHESIS

Synthesis and orexigenic activity of some 1-methyl-4-piperidylidene-Substituted pyrrolo[2,1-g][3] benzazepine and dibenzocycloheptene derivatives. Remy DC, et al. **J Med Chem** 1982 Mar;25(3):231–4

[Synthesis of dibenzo [a,d]cycloheptenylacetic acids (author's transl)] Tanaka T, et al. **Yakugaku Zasshi** 1981 Jul; 101(7):614–28 (Eng. Abstr.) **(Jpn)**

METABOLISM

Pharmacokinetics of amineptine in man. Sbarra C, et al. **Eur J Drug Metab Pharmacokinet** 1981;6(2):123–6

PHARMACODYNAMICS

Stereospecific blockade of alpha 2-adrenoceptors by (+)-butaclamol: implications for the characterization of dopamine receptors. Spedding M, et al. **J Pharm Pharmacol** 1982 Jan;34(1):56–8

Pre- and postsynaptic adrenergic activation by norepinephrine reuptake inhibitors in the field-stimulated rat vas deferens. Lotti VJ, et al. **Life Sci** 1981 Aug 10; 29(6):633–9

Effect of two indirectly acting dopamine agonists on prolactin secretion in normo- and hyperprolactinemic subjects: comparison with the effect of nomifensine. Camanni F, et al. **Neuroendocrinology** 1981 Nov; 33(5):300–5

Interaction of opiates with dopamine receptors: receptor binding and behavioral assays. Carlson KR, et al. **Pharmacol Biochem Behav** 1982 Jan;16(1):119–24

RADIATION EFFECTS

Investigation of protriptyline photoproducts which cause cell membrane disruption. Gasparro FP, et al. **Photochem Photobiol** 1982 Mar;35(3):351–8

THERAPEUTIC USE

Pharmacologic reversal of hypotensive effect complicating antiarrhythmic therapy with bretylium. Woosley RL, et al. **Clin Pharmacol Ther** 1982 Sep;32(3):313–21

Protriptyline in the treatment of sleep apnoea. Conway WA, et al. **Thorax** 1982 Jan;37(1):49–53

[Demexiptiline in the treatment of melancholic states (reflections after 3 years of use)] Martin A, et al. **Ann Med Psychol (Paris)** 1981 Nov;139(9):1023–35 **(Fre)**

[Amineptine and depressive symptoms, cardiovascular and ophthalmological acceptabilities (author's transl)] Kammerer T, et al. **Encephale** 1981;7(5):631–44 (Eng. Abstr.) **(Fre)**

[Efficacy of elronon and mictonorm in the therapy of enuresis] Vehreschild T, et al. **Z Arztl Fortbild (Jena)** 1982 Apr 1;76(7):301–3 **(Ger)**

DIBENZOTHIEPINS

BLOOD

Blood and plasma concentrations of dothiepin and its major metabolites and clinical response. Maguire KP, et al. **J Affective Disord** 1982 Mar;4(1):41–8

METABOLISM

Metabolism and pharmacokinetics of dothiepin. Maguire KP, et al. **Br J Clin Pharmacol** 1981 Sep;12(3):405–9

Reduction of octoclothepine-N-oxide by rat liver microsomes. Helia O, et al. **Eur J Drug Metab Pharmacokinet** 1981;6(2):155–8

PHARMACODYNAMICS

Effects of microinjection of 2-chloro-11 (2-dimethylaminoethoxy)-dibenzo[b,f]-thiepine (zotepine), thioridazine and haloperidol into the striatum and nucleus accumbens on stereotypic behaviour and motor activity. Lai H, et al. **J Pharm Pharmacol** 1981 Apr;33(4):252–4

Effect of zotepine on afterdischarge induced by electrical stimulation of amygdaloid nucleus in rats. Satoh H, et al. **Jpn J Pharmacol** 1982 Apr;32(2):381–3

The central anti-serotonin activity of zotepine, a new neuroleptic, in rats. Shimomura K, et al. **Jpn J Pharmacol** 1982 Jun;32(3):405–12

Effect of methiothepin on imipramine- or mianserin- induced subsensitivity of serotonergic receptors. Segawa T, et al. **Life Sci** 1982 Mar 8;30(10):809–12

THERAPEUTIC USE

Further clinical experience with oxyprothepin-decanoate. Kalvach Z, et al. **Act Nerv Super (Praha)** 1981 Dec; 23(4):271–2

Neuroleptics in neurotic anxiety. Bolelоucky Z. **Agressologie** 1981 Nov;22(D):15–7

Dothiepin, antianxiety effect in neurotic women. Boriová M, et al. **Agressologie** 1981 Nov;22(E):9–10

Anxiety in climax and its pharmacological treatment. Tondlova H, et al. **Agressologie** 1981 Nov;22(E):7–8

A double-blind comparison of dothiepin and amitriptyline in the treatment of depression with anxiety. Sharma SD. **J Assoc Physicians India** 1981 Sep;29(9):725–9

Dothiepin versus doxepin for reactive depression. Evans L, et al. **Med J Aust** 1981 Aug 8;2(3):147–8

A comparative study of the therapeutic effect and cardiotoxicity of dothiepin HCl and doxepin HCl in reactive depression. Evans L, et al. **Prog Neuropsychopharmacol** 1981;5(4):389–93

[Personality, antidepressant and neuroses] Bolelоucký Z, et al. **Agressologie** 1981 Nov;22(E):3–5 **(Fre)**

[Comparison between the effectiveness of fluphenazine decanoate and oxyprothepin decanoate in schizophrenia (double-blind crossover study)] Balon R, et al. **Zh Nevropatol Psikhiatr** 1982;82(1):116–8 (Eng. Abstr.) **(Rus)**

[Psychopharmacologic approach to studying various problems in slowly progressive schizophrenia] Boleloutskiĭ Z. **Zh Nevropatol Psikhiatr** 1982;82(1):105–10 (Eng. Abstr.) **(Rus)**

DIBENZOXAZEPINES

ADMINISTRATION & DOSAGE

Systematic studies with amoxapine, a new antidepressant. Ban TA, et al. **Int Pharmacopsychiatry** 1982;17(1):18–27

A study of parenteral loxapine succinate in very disturbed psychotic patients. James B, et al. **NZ Med J** 1982 Feb 24;95(702):123–4

ADVERSE EFFECTS

Ejaculatory disturbances with amoxapine. **Am J Nurs** 1982 Sep;82(9):1431–2

Amoxapine-induced agitation among bipolar depressed patients [letter] Barton JL. **Am J Psychiatry** 1982 Mar; 139(3):387

Seizures associated with amoxapine [letter] Koval G, et al. **Am J Psychiatry** 1982 Jun;139(6):845

Case report of painful ejaculation as a side effect of amoxapine. Kulik FA, et al. **Am J Psychiatry** 1982 Feb; 139(2):234–5

Case report of inhibition of ejaculation and retrograde ejaculation as side effects of amoxapine. Schwarcz G. **Am J Psychiatry** 1982 Feb;139(2):233–4

Female orgasmic inhibition by amoxapine [letter] Shen WW. **Am J Psychiatry** 1982 Sep;139(9):1220–1

Atrial flutter with amoxapine: a case report. Zavodnick S. **Am J Psychiatry** 1981 Nov;138(11):1503–4

Amoxapine and neurologic deficits [letter] Kulig K, et al. **Ann Intern Med** 1982 Aug;97(2):286

BLOOD

[Use of highly effective liquid chromatography for the analysis of cloxasepin succinate resorption in experimental animals] Nakova G, et al. **Eksp Med Morfol** 1982; 21(1):39–43 **(Bul)**

METABOLISM

Ligand binding and platelet uptake studies of loxapine, amoxapine and their 8-hydroxylated derivatives. Fulton A, et al. **J Affective Disord** 1982 Jun;4(2):113–9

PHARMACODYNAMICS

Effect of cloxazepine on mitochondria. Tomov T, et al. **Acta Physiol Pharmacol Bulg** 1981;7(4):65–71

Amoxapine: neuroleptic as well as antidepressant? Cohen BM, et al. **Am J Psychiatry** 1982 Sep;139(9):1165–7

The lipid-lowering profile in rodents. AZ-1355, a new dibenzoxazepine derivative. Wada S, et al. **Atherosclerosis** 1981 Nov-Dec;40(3–4):263–71

Amoxapine: a review of its pharmacology and efficacy in depressed states. Jue SG, et al. **Drugs** 1982 Jul;24(1):1–23 (67 ref.)

POISONING

Physostigmine's use questioned for amoxapine overdose [letter] **Am J Hosp Pharm** 1981 Dec;38(12):1882, 1889

Amoxapine overdose: report of two patients with severe neurologic damage. Goldberg MJ, et al. **Ann Intern Med** 1982 Apr;96(4):463–4

Amoxapine neurotoxicity: a case report with long-term follow-up. Browne JL, et al. **Drug Intell Clin Pharm** 1982 May;16(5):404–7

Toxicological findings in amoxapine overdose. Sedgwick P, et al. **J Anal Toxicol** 1982 Mar-Apr;6(2):82–4

Amoxapine overdose. Coma and seizures without cardiotoxic effects. Kulig K, et al. **JAMA** 1982 Sep 3;248(9):1092–4

THERAPEUTIC USE

Experience with a new rapid-acting antidepressant: amoxapine. Cancro R. **Adv Biochem Psychopharmacol** 1982; 32:121–4

Efficacy of antipsychotic medications in behaviorally disturbed dementia patients. Barnes R, et al. **Am J Psychiatry** 1982 Sep;139(9):1170–4

Loxapine as an alternative to phenothiazines in a case of oculocutaneous skin pigmentation. Ewing DG, et al. **Am J Psychiatry** 1981 Dec;138(12):1631–2

Use of loxapine to treat a patient with psychotic depression. Goldschmidt TJ, et al. **Am J Psychiatry** 1982 Jul; 139(7):946–7

'Refractory' patients and loxapine: schizophrenia or mania? [letter] Steele TE. **Am J Psychiatry** 1982 May;139(5):701–2

Acutely ill schizophrenic patients treated with loxapine. A clinical study in a community mental health center. Rasul M. **Clin Ther** 1980;3(4):242–9

Amoxapine (Asendin, Lederle Laboratories). Dugas JE, et al. **Drug Intell Clin Pharm** 1982 Mar;16(3):199–204 (34 ref.)

Effects of amoxapine, a new antidepressant, on pseudoneurotic schizophrenia. Aono T, et al. **Folia Psychiatr Neurol Jpn** 1981;35(2):115–21

Evaluations of loxapine succinate in the ambulatory treatment of acute schizophrenic episodes. Zisook S. et al. **Int Pharmacopsychiatry** 1980;15(6):365–78 (56 ref.)

Response of borderline patients to loxapine and chlorpromazine. Leone NF. **J Clin Psychiatry** 1982 Apr; 43(4):148–50

Loxapine in psychogeriatrics: a placebo- and standard-controlled clinical investigation. Petrie WM, et al. **J Clin Psychopharmacol** 1982 Apr;2(2):122–6

Amoxapine, an observation, and a perspective on MAOIs and their safety [editorial] Shader RI, et al. **J Clin Psychopharmacol** 1981 Sep;1(5):263

A follow-up report and double blind comparative study of amoxapine and imipramine for the treatment of depressive inpatients. Eilenberg MD. **NZ Med J** 1982 Mar 24; 95(704):189–91

A double-blind comparative clinical study of amoxapine and amitriptyline in depressed, hospitalised patients. James B. **NZ Med J** 1982 Jun 9;95(709):391–3

Treatment validity of different diagnostic concepts of depression. Zisook S, et al. **Psychiatry Res** 1981 Aug; 5(1):77–85

Loxapine: fifteen years' clinical experience. DePaulo JR Jr, et al. **Psychosomatics** 1982 Mar;23(3):261–71

Amoxapine in the treatment of depression. A clinical evaluation in ambulant patients. van Wyk EM, et al. **S Afr Med J** 1982 Jun 12;61(24):908–11

DIBENZOXEPINS

ADVERSE EFFECTS

A comparison of the effects of HP 549 (Isoxepac), indomethacin and acetylsalicylic acid (Aspirin) on gastric mucosa in man. Svendsen LB, et al. **Scand J Rheumatol** 1981;10(3):186–8

BLOOD

Determination of 6,11-dihydro-11-dibenz[b,e]oxepin-2-acetic acid (isoxepac) in plasma by high-performance liquid chromatography. Hundt HK, et al. **J Chromatogr** 1981 Oct 9;225(2):482–7

CHEMICAL SYNTHESIS

Affinity of 10-(4-methylpiperazino)dibenz[b,f]oxepins for clozapine and spiroperidol binding sites in rat brain. Harris TW, et al. **J Med Chem** 1982 Jul;25(7):855–8

PHARMACODYNAMICS

Haemodynamic effects of BM 10.188, a new orally active inotropic agent, in healthy volunteers. Whiting B, et al. **Br J Clin Pharmacol** 1982 Apr;13(4):529–32

DIBOZANE see under **PIPERAZINES**

DIBROMODULCITOL see **MITOLACTOL**

DIBROMOTHYMOQUINONE see under **QUINONES**

DIBUCAINE

Local anesthetics and divalent cations have the same effect on the headgroups of phosphatidylcholine and phosphatidylethanolamine. Browning JL, et al. **Biochim Biophys Acta** 1982 Jan 22;684(2):172–8

Secobarbital/dibucaine combination as a euthanasia agent for dogs and cats. Herschler RC, et al. **VM SAC** 1981 Jul; 76(7):1009–12

ADMINISTRATION & DOSAGE

A clinical double-blind study of dibucaine and tetracaine in spinal anesthesia. Rocco AG, et al. **Anesth Analg (Cleve)** 1982 Feb;61(2):133–7

[Topical therapy of musculo-articular diseases with a drug combination] Lanzara U, et al. **Clin Ter** 1982 Apr 30; 101(2):143–9 (Eng. Abstr.) **(Ita)**

DIAGNOSTIC USE

A rapid, semi-automated method for determining dibucaine numbers. Arnold WP. **Anesthesiology** 1981 Dec;55(6):676–9

PHARMACODYNAMICS

Interaction of local anesthetics with calmodulin. Tanaka T, et al. **Biochem Biophys Res Commun** 1981 Jul 30; 101(2):447–53

Interaction of drugs with a model membrane protein. Effect of dibucaine on cytochrome oxidase proteoliposomes. Singer MA. **Biochem Pharmacol** 1982 Feb 15;31(4):527–34

Effects of various membrane phospholipid-interacting drugs on three species of multifunctional protein kinases. Mori T. **Kobe J Med Sci** 1981 Apr;27(2):77–89

THERAPEUTIC USE

A new combination of drugs intended to be used as a preventive measure for the postextraction complications. A preliminary report. Syrjänen SM, et al. **Int J Oral Surg** 1981 Feb;10(1):17–22

[Multicentre clinical study of a novel preparation devoid of steroids in proctology (author's transl)] Arnold K, et al. **MMW** 1982 Jan 20;124(Suppl 1):26–31 (Eng. Abstr.) **(Ger)**

[A multicenter trial with the steroid-free hemorrhoidal preparation faktu (author's transl)] Brandes H. **MMW** 1982 Jan 20;124(Suppl 1):37–40 (Eng. Abstr.) **(Ger)**

[A successful therapeutic agent in the rectal diseases] Hein KE. **MMW** 1982 Jan 20;124(Suppl 1):24–5 **(Ger)**

[The steroid-free hemorrhoidal preparation faktu. Results of trial in a specialist dermatological practise (author's transl)] Stein E. **MMW** 1982 Jan 20;124(Suppl 1):32–6 (Eng. Abstr.) **(Ger)**

[Clinical study of a drug combination in the treatment of metarheumatic and metatraumatic disorders] Cogliandro A. **Clin Ter** 1982 May 15;101(3):267–74 **(Ita)**

DIBUTYL PHTHALATE see under **PHTHALIC ACIDS**

DIBUTYRYL ADENOSINE-3',5'-MONOPHOSPHATE see **DIBUTYRYL CYCLIC AMP**

DIBUTYRYL CYCLIC AMP

Prostaglandin hyperalgesia, IV: a metabolic process. Ferreira SH, et al. **Prostaglandins** 1981 May;21(5):789–92

ADMINISTRATION & DOSAGE

[Effects of intracerebroventricular administration of dibutyryl cyclic adenosine 3'5' monophosphate (Db-c-AMP) on body temperature in the rabbit] Cremades A. **Arch Farmacol Toxicol** 1981 Apr;7(1):151–4 **(Spa)**

ANALOGS & DERIVATIVES

Potentiation of the growth inhibitory effects of adenosine 3',5'-monophosphate analogues by homocysteine. Tisdale MJ. **Biochem Pharmacol** 1982 Mar 15;31(6):979–82

In vitro stimulation of alkaline phosphatase activity in immature embryonic chick pelvic cartilage by adenosine 3'5'-monophosphate. Burch WM, et al. **J Cell Biol** 1982 May;93(2):338–42

Multiple mechanisms of growth inhibition by cyclic AMP derivatives in rat GH1 pituitary cells: isolation of an adenylate cyclase-deficient variant. Martin TF, et al. **J Cell Physiol** 1981 Nov;109(2):289–97

[Electron microscopic investigations about the influence of the cyclic N6-monobutyryladenosine-3':5'-monophosphate (mb-cAMP) on the neuron differentiation in the explantate cultures of the hippocampus (author's transl)] Wenzel M, et al. **Z Mikrosk Anat Forsch** 1981;95(6):998–1010 (Eng. Abstr.) **(Ger)**

ANTAGONISTS & INHIBITORS

Blockade by haloperidol of the increase in tryptophan hydroxylase activity induced by incubation of slices of brain stem with dibutyryl cyclic AMP. Boadle-Biber MC. **Biochem Pharmacol** 1982 Jun 15;31(12):2203–7

Inhibition of dibutyryl cyclic AMP induced steroidogenesis in rat adrenocortical cells by the putative calcium antagonist TMB-8. Garcia R, et al. **J Steroid Biochem** 1982 Feb;16(2):317–22

DIAGNOSTIC USE

The inhibitory effect of isoproterenol and dibutyryl cyclic-AMP on the immediate skin reaction. Ohmi T, et al. **Ann Allergy** 1982 Jan;48(1):40–3

Effect of dibutyryl adenosine 3',5'-monophosphate administration on plasma concentrations of 1,25-dihydroxyvitamin D in pseudohypoparathyroidism type I. Yamaoka K, et al. **J Clin Endocrinol Metab** 1981 Nov;53(5):1096–100

PHARMACODYNAMICS

Morphogenetic effect of cAMP during the metamorphosis of the frog larva. Csaba G, et al. **Acta Biol Acad Sci Hung** 1981;32(2):99–102

Effects of dibutyryl-cANP on glycolysis in washed human erythrocytes. Zivković R, et al. **Acta Biol Med Ger** 1981; 40(7–8):999–1002

Accelerative effect of adenosine 3', 5'-cyclic monophosphate and dibutyryl adenosine 3', 5'-cyclic monophosphate on the cleavage cycle of the sea urchin eggs. Ishida K, et al. **Acta Embryol Morphol Exp** 1981 Dec;2(2):115–9

Inhibition of rat follicular androgen synthesis by dibutyryl cyclic AMP. Ekholm C, et al. **Acta Endocrinol (Copenh)** 1982 Jul;100(3):444–9

Mechanical response of rat myocardium to dibutyryl cyclic AMP in relation to effects of alpha-and beta-adrenoceptor stimulators. Skomedal T, et al. **Acta Pharmacol Toxicol (Copenh)** 1981 Aug;49(2):81–91

Acute effects of gonadotrophins and cyclic AMP on protein synthesis and progesterone production by isolated rat granulosa cells. Nordenström K, et al. **Acta Physiol Scand** 1981 Oct;113(2):217–25

Evidence for a dual effect of dibutyryl cyclic AMP on the synthesis of tyrosine aminotransferase in rat liver. Granner D, et al. **Adv Cyclic Nucleotide Res** 1981;14:529–37

The phosphatidate-polyphosphoinositide cycle: activation by parathyroid hormone and dibutyryl-cAMP in rabbit kidney cortex. Farese RV, et al. **Ann NY Acad Sci** 1981;372:539–51

Stimulation of albumin synthesis in mouse hepatoma cells by Bt2cAMP: cell cycle specificity. Hamman HC, et al. **Arch Biochem Biophys** 1982 Feb;213(2):620–4

Efflux in isolated hepatocytes as a possible correlate of secretion in vivo: induced exit of the folic acid analog methotrexate, by dibutyryl cyclic AMP or isobutyl methyl xanthine. Gewirtz DA, et al. **Biochem Biophys Res Commun** 1981 Jul 30;101(2):366–74

The effect of bromodeoxyuridine and dibutyryl cyclic AMP on the induction of placental alkaline phosphate in human choriocarcinoma cells. Hamilton TA, et al. **Biochem J** 1981 Jul 15;198(1):29–35

Calcium and pancreatic beta-cell function: modification of 45Ca fluxes by methylxanthines and dibutyryl cyclic-AMP. Gylfe E, et al. **Biochem Med** 1981 Dec;26(3):365–76

Potentiation of the growth inhibitory effects of adenosine 3',5'-monophosphate analogues by homocysteine. Tisdale MJ. **Biochem Pharmacol** 1982 Mar 15;31(6):979–82

Regulation of rat liver phosphoenolpyruvate carboxykinase (GTP) messenger ribonucleic acid activity by N6, O2'-dibutyryladenosine 3',5'-phosphate. Beale EG, et al. **Biochemistry** 1981 Aug 18;20(17):4878–83

Effects of dibutyryl cyclic AMP and theophylline on rat pancreatic phospholipids in vitro. Ca2+-sensitive decrease in phosphatidylinositol and cycloheximide-sensitive increase in phosphatidic acid. Farese RV, et al. **Biochim Biophys Acta** 1981 Sep 24;665(3):463–70

Plasma membrane vesicles from isolated hepatocytes retain the increase of amino acid transport induced by dibutyryl cyclic AMP in intact cells. Samson M, et al. **Biochim Biophys Acta** 1982 Apr 23;687(1):35–41

Effects of prostaglandin F2 alpha treatment on LH and dibutyryl cyclic AMP-stimulated progesterone secretion by isolated rat luteal cells. Jordan AW. **Biol Reprod** 1981 Sep;25(2):327–31

Effects of hCG and cyclic AMP on aromatization in purified Leydig cells of immature and mature rats. Valladares LE, et al. **Biol Reprod** 1981 Nov;25(4):752–8

The influence of cyclic nucleotides on DNA synthesis in skin. Carney SA. **Br J Exp Pathol** 1982 Jun;63(3):351–3

Induction of differentiation of the human histiocytic lymphoma cell line U-937 by retinoic acid and cyclic adenosine 3':5'-monophosphate-inducing agents. Olsson IL, et al. **Cancer Res** 1982 Oct;42(10):3924–7

General process of induction of squamous metaplasia by cyclic adenine nucleotide and prostaglandins: mouse prostate glands. Schaefer FV, et al. **Cancer Res** 1982 Sep;

42(9):3682–7
Regulation of amino acid transport into Ehrlich cells. Effect of 3',5'-adenosine monophosphate on L-leucine transport. Cuesta Casado MC, et al. **Cell Mol Biol** 1981;27(6):635–41
Dibutyrylic cyclic AMP and theophylline inhibit proliferation of accessory cells in primary cultures of adrenomedullary cells. Unsicker K, et al. **Cell Tissue Res** 1982;223(1):73–86
Ultrastructural changes induced by steroids and gonadotropins in cultured rat Sertoli cells. Libbus BL, et al. **Cytobios** 1981;30(119):173–87
Decreased synthesis of large fucosyl glycopeptides during differentiation of embryonal carcinoma cells induced by retinoic acid and dibutyryl cyclic AMP. Muramatsu H, et al. **Dev Biol** 1982 Apr;90(2):441–4
Enhancement of squamous cell development in cultured skin by cyclic adenine nucleotide and prostaglandins. Schaefer FV, et al. **Differentiation** 1981;20(3):260–3
Expression of a phenotype of normal differentiation in cultured mammary glands is promoted by epidermal growth factor and blocked by cyclic adenine nucleotide and prostaglandins. Tonelli QJ, et al. **Differentiation** 1981; 20(3):253–9
Regulation of follicle-stimulating hormone and dibutyryl adenosine 3',5'-monophosphate of a phosphodiesterase isoenzyme of the Sertoli cell. Conti M, et al. **Endocrinology** 1982 Apr;110(4):1189–96
The effects of adrenocorticotropin, guanylylimidodiphosphate, dibutyryl adenosine 3',5'-monophosphate, and exogenous substrates on corticosteroid output by ovine fetal adrenal cells at different times in pregnancy. Manchester L, et al. **Endocrinology** 1982 Sep;111(3):889–95
Modulation by thyroid status of the actions of glucagon and dibutyryl adenosine 3',5'-monophosphate on metabolism of free fatty acids by the isolated perfused rat liver. Shaheen O, et al. **Endocrinology** 1982 May;110(5):1740–8
Biosynthesis of proteoglycans by rat granuloma cells cultured in vitro: modulation by gonadotropins, steroid hormones, prostaglandins, and a cyclic nucleotide. Yanagishita M, et al. **Endocrinology** 1981 Nov;109(5):1641–9
Effect of dibutyryl cyclic adenosine 3'5'-monophosphate on the adrenal cortex mitotic activity in hypophysectomized rats. Lewiński A, et al. **Endokrinologie** 1981 Mar; 77(3):371–4
Control of ketogenesis and fatty-acid synthesis at the mitochondrial branch-point for acetyl-CoA in the chick liver cell: effect of adenosine 3',5'-monophosphate. Mooney RA, et al. **Eur J Biochem** 1982 Jan;121(2):281–7
Induction of ornithine decarboxylase in guinea pig lymphocytes by the divalent cation ionophore A 23187. Effect of dibutyryladenosine 3',5'-monophosphate. Otani S, et al. **Eur J Biochem** 1982 Jun 15;125(1):35–40
cAMP uncouples DNA synthesis and cell division in Tetrahymena. Velázquez JM, et al. **Exp Cell Res** 1981 Oct; 135(2):407–11
A possible link between the subforms of tyrosine aminotransferase and its inducibility by dibutyryl cyclic AMP. Evans PJ. **FEBS Lett** 1981 Sep 28;132(2):193–6
Preparation of adrenocortical cell suspension highly responsive to ACTH or dibutyryl-cyclic AMP. Effects of albumin, Ca2+ or stress. Trzeciak WH, et al. **FEBS Lett** 1981 Jul 20;130(1):113–8
Modification of radiation-induced division delay by caffeine analogues and dibutyryl cyclic AMP. Kimler BF, et al. **Int J Radiat Biol** 1982 Jan;41(1):47–58
Counteraction of calcium-activated, phospholipid-dependent protein kinase activation by adenosine 3',5'-monophosphate and guanosine 3',5'-monophosphate in platelets. Takai Y, et al. **J Biochem (Tokyo)** 1982 Jan;91(1):403–6
N6,O2'-dibutyryl cycle AMP and glucose regulate the amount of messenger RNA coding for hepatic phosphoenolpyruvate carboxykinase (GTP). Beale EG, et al. **J Biol Chem** 1982 Feb 25;257(4):2022–8
Induction of delta-aminolevulinate synthase and cytochrome P-450 hemoproteins in hepatocyte culture. Effect of glucose and hormones. Giger U, et al. **J Biol Chem** 1981 Nov 10;256(21):11182–90
Cyclic AMP regulation of lactate dehydrogenase. Quantitation of lactate dehydrogenase M-subunit messenger RNA in isoproterenol- and N6,O2'-dibutyryl cyclic AMP-stimulated rat C6 glioma cells by hybridization analysis using a cloned cDNA probe. Miles MF, et al. **J Biol Chem** 1981 Dec 10;256(23):12545–52
Formation and turnover of triglyceride-rich vesicles in the chick liver cell. Effects of cAMP and carnitine on triglyceride mobilization and conversion to ketones. Mooney RA, et al. **J Biol Chem** 1981 Nov 25; 256(22):11724–33
N6,O2'-Dibutyryl cyclic AMP and cholera toxin-induced beta-adrenergic receptor loss in cultured cells. Moylan RD, et al. **J Biol Chem** 1982 May 10;257(9):4947–50
Evidence for a dual effect of dibutyryl cyclic AMP on the synthesis of tyrosine aminotransferase in rat liver. Noguchi T, et al. **J Biol Chem** 1982 Mar 10;257(5):2386–90
Turnover of regulatory subunit of cyclic AMP-dependent protein kinase in S49 mouse lymphoma cells. Regulation by catalytic subunit and analogs of cyclic AMP. Steinberg RA, et al. **J Biol Chem** 1981 Nov 10;256(21):10731–4
Alterations in calcitonin and parathyroid hormone responsiveness of adenylate cyclase in F9 embryonal carcinoma cells treated with retinoic acid and dibutyryl cyclic AMP. Evain D, et al. **J Cell Physiol** 1981 Dec; 109(3):453–9
Inhibition of hepatoma cell growth by analogs of adenosine and cyclic AMP and the influence of enzymes in mammalian sera. Hargrove JL, et al. **J Cell Physiol** 1982 Jun;111(3):232–8
Multiple mechanisms of growth inhibition by cyclic AMP derivatives in rat GH1 pituitary cells: isolation of an adenylate cyclase-deficient variant. Martin TF, et al. **J Cell Physiol** 1981 Nov;109(2):289–97
Effects of dibutyryl adenosine 3',5'-monophosphate, luteinizing hormone-releasing hormone, and aromatase inhibitor on simultaneous outputs of progesterone, 17 beta-estradiol, and human chorionic gonadotropin by term placental explants. Haning RV Jr, et al. **J Clin Endocrinol Metab** 1982 Aug;55(2):213–8
A note on the inhibition of in vitro meiotic maturation of mammalian oocytes by dibutyryl cyclic AMP. Jagiello G, et al. **J Exp Zool** 1981 Nov;218(2):309–11
Effects of adenosine 3',5'-cyclic monophosphate on thermoregulation in both rats and rabbits. Lin MT, et al. **J Neural Transm** 1981;51(3-4):257–69
Induction of glutamine synthetase by dibutyryl cyclic AMP in C-6 glioma cells. Browning ET, et al. **J Neurochem** 1982 Aug;39(2):336–41
The action of nerve growth factor and dibutyryl adenosine cyclic 3':5'-monophosphate on rat pheochromocytoma reveals distinct stages in the mechanisms underlying neurite outgrowth. Gunning PW, et al. **J Neurosci** 1981 Oct; 1(10):1085–95
Alpha-2 adrenergic inhibition of intestinal secretion induced by prostaglandin E1, vasoactive intestinal peptide and dibutyryl cyclic AMP in rat jejunum. Nakaki T, et al. **J Pharmacol Exp Ther** 1982 Mar;220(3):637–41
Effects of stimulation on the steroid profile formed by rat adrenal capsule tissue incubated in vitro. Vinson GP, et al. **J Steroid Biochem** 1982 Aug;17(2):159–64
Cyclic AMP and cyclic GMP as the respective mediators of the intracycle stimulation of DNA synthesis and mitosis induced by glucagon and insulin in primary neonatal rat hepatocytes. Armato U, et al. **Life Sci** 1981 Dec 28; 29(26):2763–9
Changes in cyclic AMP-dependent protein kinases during inhibition of mastocytoma cell growth by dibutyryl cyclic AMP. Evans J, et al. **Mol Cell Biochem** 1982 Apr 2; 43(3):183–90
Stimulation by thyrotropin, cholera toxin and dibutyryl cyclic AMP of the multiplication of differentiated thyroid cells in vitro. Roger PP, et al. **Mol Cell Endocrinol** 1982 Apr;26(1-2):165–76
Effects of dopamine and dibutyryl cyclic adenosine monophosphate on delayed release of transmitter at the rat neuromuscular junction. Heinonen E. **Pflugers Arch** 1982 Apr;393(2):144–7
Induction of tyrosine aminotransferase mRNA by glucocorticoids and cAMP in fetal rat liver. Ruiz-Bravo N, et al. **Proc Natl Acad Sci USA** 1982 Jan;79(2):365–8
Effects of dibutyryl cAMP, LHRH, and aromatase inhibitor on simultaneous outputs of prostaglandin F2 alpha, and 13,14-dihydro-15-keto-prostaglandin F2 alpha by term placental explants. Haning RV Jr, et al. **Prostaglandins** 1982 Jan;23(1):29–40
Growth arrest and morphological change of human breast cancer cells by dibutyryl cyclic AMP and L-arginine. Cho-Chung YS, et al. **Science** 1981 Oct 2;214(4516):77–9
Effects of PGI2 and di-butyryl cyclic-AMP on platelets exposed to shear stress. Hardwick RA, et al. **Trans Am Soc Artif Intern Organs** 1981;27:192–6
[Effects of dibutyryl cyclic AMP on hepatic energy metabolism during hemorrhagic hypotension (author's transl)] Oda T, et al. **Masui** 1981 Jul;30(7):672–80 (Eng. Abstr.) **(Jpn)**
[Effect of human chorionic gonadotropin and dibutyryl cyclic AMP on steroidogenesis in human corpora lutea (author's transl)] Kobayashi T. **Nippon Sanka Fujinka Gakkai Zasshi** 1982 Jul;34(7):929–38 (Eng. Abstr.) **(Jpn)**
[Studies on influence of synthetic LH-RH and dbcAMP on normal chorionic villi and BeWo cells (author's transl)] Nakano T. **Nippon Sanka Fujinka Gakkai Zasshi** 1981 Dec; 33(12):2105–14 (Eng. Abstr.) **(Jpn)**
[Effect of S-adenosine homocysteine and dibutyril-3',5-AMP on lysosomal membranes of eye tissue in ocular herpes] Kasavina BS, et al. **Biull Eksp Biol Med** 1982 Mar;93(3):27–9 **(Rus)**

PHYSIOLOGY

Refractoriness of TSH- and PGE2-stimulated iodine metabolism in cultured porcine thyroid cells, evidence for refractoriness at the level of cAMP action. Takasu N, et al. **Acta Endocrinol (Copenh)** 1982 Apr;99(4):530–9

THERAPEUTIC USE

Biochemical changes in experimental rat brain tumors induced by ethylnitrosourea and human gliomas after dibutyryl cyclic AMP treatment. Shibata I, et al. **Neurol Med Chir (Tokyo)** 1982 Jan;22(1):1–6

DIBUTYRYL CYCLIC GMP see under **GUANOSINE CYCLIC MONOPHOSPHATE**

DICAMBA see under **BENZOATES**

DICARBETHOXYDIHYDROCOLLIDINE see under **PYRIDINES**

DICARBINE see under **INDOLES**

DICARBOXYLIC ACIDS

BLOOD

[A gas chromatographic-mass spectrometric analysis of organic acids in uremic ultrafiltrate (author's transl)] Maeda K, et al. **Nippon Jinzo Gakkai Shi** 1981 Jan;23(1):75–88 (Eng. Abstr.) **(Jpn)**

METABOLISM

Dicarboxylate transport in maize mesophyll chloroplasts. Day DA, et al. **Arch Biochem Biophys** 1981 Oct 15; 211(2):738–42
The biological origin of ketotic dicarboxylic aciduria. In vivo and in vitro investigations of the omega-oxidation of C6–C16-monocarboxylic acids in unstarved, starved and diabetic rats. Mortensen PB, et al. **Biochim Biophys Acta** 1981 Dec 23;666(3):394–404
The biological origin of ketotic dicarboxylic aciduria. II. In vivo and in vitro investigations of the beta-oxidation of C8–C16-dicarboxylic acids in unstarved, starved and diabetic rats. Mortensen PB, et al. **Biochim Biophys Acta** 1982 Mar 12;710(3):477–84
Purification by affinity chromatography of a membrane dicarboxylate binding protein from Bacillus subtilis. Kay WW. **Can J Microbiol** 1981 Aug;27(8):795–800

PHARMACODYNAMICS

[Effect of dicarboxylic acids on anaerobic glycolysis in the chick embryo (preliminary note)] Bargoni N, et al. **Boll Soc Ital Biol Sper** 1981 Jul 30;57(14):1541–4 (Eng. Abstr.) **(Ita)**
[Comparison of protonophore and uncoupling functions of weak diacids (letter)] Topaly EE, et al. **Biofizika** 1982 May-Jun;27(3):535–7 (Eng. Abstr.) **(Rus)**

DICARBOXYLIC AMINO ACIDS see **AMINO ACIDS, DICARBOXYLIC**

DICHLOBENIL see under **NITRILES**

DICHLOROACETATE see under **ACETIC ACIDS**

3,3'-DICHLOROBENZIDINE see under **BENZIDINES**

DICHLORODIPHENYLDICHLOROETHANE see **DDD**

DICHLOROETHYLENES see under **HYDROCARBONS, CHLORINATED**

2,6-DICHLOROINDOPHENOL see under **INDOPHENOL**

DICHLOROMETHYLENE DIPHOSPHONATE see under **DIPHOSPHONATES**

2,4-DICHLOROPHENOXYACETIC ACID

ADVERSE EFFECTS

Agent Orange: what's it all about? Flowers FP, et al. **J Fla Med Assoc** 1981 Dec;68(12):991–2
Agent orange: government responsibility for the military use of phenoxy herbicides. Lacey P, et al. **J Leg Med (Chicago)** 1982 Mar;3(1):137–78
Reviewers pan Agent Orange study plan [news] Holden C. **Science** 1981 Dec 4;214(4525):1107
[The influence of several membrane stabilizing drugs on the induced hereditary myotonia--a methodic way to test the effectiveness of drugs on myotonia (author's transl)] Wagner A, et al. **EEG EMG** 1981 Dec;12(4):174–82 (Eng. Abstr.) **(Ger)**

ANALOGS & DERIVATIVES

Increase in the penetration of tracer compounds into the rat brain during 2-methyl-4-chlorophenoxyacetic acid (MCPA) intoxication. Elo HA, et al. **Acta Pharmacol Toxicol (Copenh)** 1982 Feb;50(2):104–7
Stress response of juvenile sockeye salmon (Oncorhynchus nerka) to the butoxyethanol ester of 2,4-dichlorophenoxyacetic acid. McBride JR, et al. **Bull Environ Contam Toxicol** 1981 Dec;27(6):877–84
Metabolism of 2,5-dichloro-4-hydroxyphenoxyacetic acid in plants. Drinkwine AD, et al. **J Agric Food Chem** 1981 Jul-Aug;29(4):763–6

ANALYSIS

A radioimmunoassay to screen for 2,4,-dichlorophenoxyacetic acid and 2,4,5-trichlorophenoxyacetic acid in surface water. Rinder DF, et al. **Bull Environ Contam Toxicol** 1981 Mar; 26(3):375–80
Applicator exposure to 2,4-D, dicamba, and a dicamba

isomer. Draper WM, et al. **J Environ Sci Health [B]** 1982; 17(4):321–39

METABOLISM

Choroid plexus transport of 2,4–dichlorophenoxyacetic acid: interaction with the organic acid carrier. Kim CS, et al. **Brain Res** 1981 Nov 9;224(1):209–12

PHARMACODYNAMICS

Stimulation of synthesis and translational activity of polyadenylated messenger RNA in wounded potato tubers by 2, 4–dichlorophenoxyacetic acid. Tripathi RK, et al. **Biochem Biophys Res Commun** 1982 Jun 30;106(4):1218–25

2,4–D induced clastogenicity and elevated rates of sister chromatid exchanges in cultured human lymphocytes. Korte C, et al. **J Hered** 1982 May–Jun;73(3):224–6

2,4–Dichlorophenoxyacetic acid—a new environmental mutagen. Khalatkar AS, et al. **Mutat Res** 1982 Feb; 103(2):111–4

2–4–Dichloro–phenoxy–acetic acid interactions with the detoxification hepatic systems. Cristea E, et al. **Physiologie** 1981;18(3):199–203

POISONING

Light at end of tunnel in Orange controversy [news] Gunby P. **JAMA** 1982 Mar 12;247(10):1382

Thoracic soft–tissue sarcoma in Vietnam veterans exposed to Agent Orange [letter] Sarma PR, et al. **N Engl J Med** 1982 May 6;306(18):1109

[Ultrastructural studies and neutrophil myeloperoxidase determination in rats with acute 2,4–dichlorphenoxyacetic acid poisoning] Halliop J, et al. **Acta Haematol Pol** 1980 Oct–Nov;11(4):249–57 (Eng. Abstr.) **(Pol)**

TOXICITY

Agent orange [editorial] **Am Fam Physician** 1982 Apr; 25(4):91–2

Male fertility, sister chromatid exchange, and germ cell toxicity following exposure to mixtures of chlorinated phenoxy acids containing 2,3,7,8–tetrachlorodibenzo–p–dioxin. Lamb JC 4th, et al. **J Toxicol Environ Health** 1981 Nov–Dec;8(5–6):825–34

Toxicity of chlorinated phenoxy acids in combination with 2,3,7,8–tetrachlorodibenzo–p–dioxin in C57BL/6 male mice. Lamb JC 4th, et al. **J Toxicol Environ Health** 1981 Nov–Dec;8(5–6):815–24

Development and viability of offspring of male mice treated with chlorinated phenoxy acids and 2,3,7,8–tetrachlorodibenzo–p–dioxin. Lamb JC 4th, et al. **J Toxicol Environ Health** 1981 Nov–Dec;8(5–6):835–44

DICHLORORIBOFURANOSYLBENZIMIDAZOLE see under **RIBONUCLEOSIDES**

DICHLOROVINYLCYSTEINE see under **CYSTEINE**

DICHLORVOS

Metrifonate and dichlorvos: theoretical and practical aspects. Proceedings of a symposium held at the Royal Academy of Sciences in Stockholm, November 3–4, 1980. **Acta Pharmacol Toxicol (Copenh)** 1981;49 Suppl 5:1–137

Chemistry of metrifonate and dichlorvos. Hofer W. **Acta Pharmacol Toxicol (Copenh)** 1981;49 Suppl 5:7–14

[Dichlorvos for disinfection in zooparasitic skin diseases (author's transl)] Klíma J. **Cesk Dermatol** 1981 Dec; 56(6):401–4 (Eng. Abstr.) **(Cze)**

ADVERSE EFFECTS

[Toxicity, carcinogenic, mutagenic, teratogenic action of dichlorvos] Lafontaine A, et al. **Arch Belg Med Soc** 1981 Mar;39(3):159–74 (83 ref.) (Eng. Abstr.) **(Dut)**

ANALOGS & DERIVATIVES

Branching in structure–toxicity relationships applied to organophosphorus pesticides of the DDVP (dichlorvos) type: a novel phenomenon in QSAR. Mager PP. **Pharmazie** 1981 Jun;36(6):448–9

ANALYSIS

[Residues of dichlorvos (DDVP) in sausages and bacon following placement of Mutox strips in sales rooms of butchers' shops] Wirthgen B, et al. **Nahrung** 1981; 25(8):789–93 (Eng. Abstr.) **(Ger)**

BLOOD

Levels of metrifonate and dichlorvos in plasma and erythrocytes during treatment of schistosomiasis with Bilarcil. Nordgren I, et al. **Acta Pharmacol Toxicol (Copenh)** 1981;49 Suppl 5:79–86

PHARMACODYNAMICS

Metrifonate and dichlorvos: theoretical and practical aspects. History and scope of the conference. Aldridge WN, et al. **Acta Pharmacol Toxicol (Copenh)** 1981;49 Suppl 5:3–6

Studies of the mode of action of metrifonate and DDVP in schistosomes – cholinesterase activity and the hepatic shift. Bloom A. **Acta Pharmacol Toxicol (Copenh)** 1981;49 Suppl 5:109–13

Esterases in schistosomes: reaction with substrates and inhibitors. Reiner E. **Acta Pharmacol Toxicol (Copenh)** 1981;49 Suppl 5:72–8

Alkylating properties of dichlorvos (DDVP). Segerbäck D, et al. **Acta Pharmacol Toxicol (Copenh)** 1981;49 Suppl 5:56–66

Clinical pharmacology of dichlorvos. Slomka MB, et al. **Acta Pharmacol Toxicol (Copenh)** 1981;49 Suppl 5:105–8

Drug interactions of levamisole with pyrantel tartrate and dichlorvos in pigs. Hsu WH. **Am J Vet Res** 1981 Nov; 42(11):1912–4

[Ultrastructure and cytochemistry of primordial germ cells involved in migration in dichlorvos–treated quail embryos] Bruel MT, et al. **C R Seances Acad Sci [III]** 1981 Dec 21;293(15):791–5 (Eng. Abstr.) **(Fre)**

[Development of resistance to carbamates and organophosphate insecticides in flies, Musca domestica L., and cockroaches, Blattella germanica L] Mańkowska H, et al. **Rocz Panstw Zakl Hig** 1981;32(2):163–7 (Eng. Abstr.) **(Pol)**

[Luminescent–histochemical study of the effect of atropine and dimethoxydichlorvinylphosphate on catecholamine concentration in certain rat brain structures] Kutsenko SA, et al. **Biull Eksp Biol Med** 1981 Jun;91(6):702–3 (Eng. Abstr.) **(Rus)**

POISONING

Household insecticides and the blood [letter] v. Raalte HG, et al. **Lancet** 1981 Oct 10;2(8250):811

Delayed neurotoxicity caused by a single massive dose of dichlorvos to adult hens. Caroldi S, et al. **Toxicol Lett** 1981 Oct;9(2):157–9

[Cerebral catecholamines in acute rat poisoning with dimethoxydichlorovinyl phosphate] Kutsenko SA, et al. **Farmakol Toksikol** 1981 May–Jun;44(3):334–8 (Eng. Abstr.) **(Rus)**

TOXICITY

Delayed neurotoxicity – do trichlorphon and/or dichlorvos cause delayed neuropathy in man or in test animals? Johnson MK. **Acta Pharmacol Toxicol (Copenh)** 1981;49 Suppl 5:87–98

Metrifonate and dichlorvos: cytogenetic investigations. Moutschen–Dahmen J, et al. **Acta Pharmacol Toxicol (Copenh)** 1981;49 Suppl 5:29–39

Factors modifying the toxicity of organophosphorus compounds including dichlorvos. Sterri SH. **Acta Pharmacol Toxicol (Copenh)** 1981;49 Suppl 5:67–71

Effect of phenobarbitol pretreatment on regeneration of plasma cholinesterase activity inhibited by parathion or dichlorovos. Purshottam T, et al. **Arch Environ Health** 1982 Jan–Feb;37(1):53–8

Clinical observations on three northern fur seal pups treated with dichlorvos. Bigg MA, et al. **J Am Vet Med Assoc** 1981 Dec 1;179(11):1284–6

Effects of the organophosphate pesticide dichlorvos on quail embryo germ population. Numerical study and ultrastructural cytochemistry. Bruel MT, et al. **Prog Clin Biol Res** 1982;85 Pt A:417–26

DICHOTIC LISTENING TESTS see under **HEARING TESTS**

DICLOFENAC see under **PHENYLACETATES**

DICLOXACILLIN

Kinetics of drug decomposition. Part 67. Kinetics of degradation of dicloxacillin in aqueous solution. Pawelczyk E, et al. **Pol J Pharmacol Pharm** 1981 Mar–Apr;33(2):241–9

ADMINISTRATION & DOSAGE

[Combined cefazolin–dicloxacillin in urology] Tripi M, et al. **Minerva Urol** 1982 Apr–Jun;34(2):105–10 (Eng. Abstr.) **(Ita)**

[Effect of the antibiotic granulation method on the quality of semisynthetic penicillin capsules (e.g., the sodium salt of dicloxacillin)] Grakovskaia LK, et al. **Antibiotiki** 1981 Aug;26(8):592–4 (Eng. Abstr.) **(Rus)**

BLOOD

Concentrations of semi–synthetic penicillins in the plasma and in the expectoration, administered by means of intermittent vein perfusion. Velluti G, et al. **Respiration** 1981;41(4):276–80

Comparison of oral penicillinase–resistant penicillins: contrasts between agents and assays. Bass JW, et al. **South Med J** 1982 Apr;75(4):408–10

METABOLISM

Pharmacokinetics of dicloxacillin in rabbit muscle. Cars O, et al. **J Antimicrob Chemother** 1982 Mar;9(3):201–7

PHARMACODYNAMICS

[Studies on the combination action of ampicillin and dicloxacillin (author's transl)] Ohwaki H, et al. **Jpn J Antibiot** 1982 Mar;35(3):724–30 (Eng. Abstr.) **(Jpn)**

THERAPEUTIC USE

Hematogenous osteomyelitis of the fifth metatarsal: a case report. Goforth WP, et al. **J Am Podiatry Assoc** 1982 Jun; 72(6):285–90

[Clinical studies of the therapeutic effectiveness of the combination of tranexamic acid and antibiotics in otorhinolaryngology] Redaelli GA, et al. **Clin Ter** 1981 Feb 15;96(3):271–81 (Eng. Abstr.) **(Ita)**

[Dicloxacillin the treatment of suppurative inflammatory processes at various sites] Fomina IP, et al. **Antibiotiki** 1982 Jan;27(1):61–5 (Eng. Abstr.) **(Rus)**

DICOFOL see under **INSECTICIDES, ORGANOCHLORINE**

DICOUMARIN see **BISHYDROXYCOUMARIN**

DICROCOELIASIS

DIAGNOSIS

[Spurious infections by the small liver fluke (Dicrocoelium dendriticum) in Switzerland 1976–1980] Stahel E. **Schweiz Med Wochenschr** 1981 Aug 4;111(31–32):1159–62 (Eng. Abstr.) **(Ger)**

IMMUNOLOGY

Experimental dicrocoeliasis: the humoral immune response of golden hamsters and rabbits to primary infection with Dicrocoelium dendriticum. Bode L, et al. **Z Parasitenkd** 1981;66(2):167–78

VETERINARY

Histopathology of liver in Iranian sheep naturally infected with Dicrocoelium dendriticum. Massoud J. **Ann Trop Med Parasitol** 1981 Jun;75(3):293–8

Discrocoeliasis in ovine hepatopathy: a case report. Njiro SM. **Bull Anim Health Prod Afr** 1981 Sep;29(3):251–3

DICROCOELIUM

ANALYSIS

Crystallographic data for haemoglobin from the lanceolate fluke Dicrocoelium dendriticum. Smit JD, et al. **J Mol Biol** 1981 Mar 15;146(4):641–7

DICROSTONYX see **CRICETIDAE**

DICTIONARIES

Towards a dictionary of epidemiological terms. Last JM. **Int J Epidemiol** 1982 Jun;11(2):188–9

[Marginal notes on Danielle Jacquart's Wickersheimer Supplement] Keil G. **Sudhoffs Arch Beih** 1982;66(2):172–86 **(Ger)**

DICTIONARIES, MEDICAL

An international glossary for primary care. Report of the Classification Committee of the World Organization of National Colleges, Academies and Academic Associations of General Practitioners/Family Physicians (WONCA). **J Fam Pract** 1981 Oct;13(5):671–81

[Littré at the Academy of Medicine] Sournia JC. **Bull Acad Natl Med (Paris)** 1981 Oct;165(7):941–7 (Eng. Abstr.) **(Fre)**

[International Terminological Dictionary on Health Education—a result of multilateral cooperation among socialist countries] Erler F, et al. **Z Gesamte Hyg** 1982 Apr; 28(4):259–62 (Eng. Abstr.) **(Ger)**

DICTIONARIES, POLYGLOT

[International Terminological Dictionary on Health Education—a result of multilateral cooperation among socialist countries] Erler F, et al. **Z Gesamte Hyg** 1982 Apr; 28(4):259–62 (Eng. Abstr.) **(Ger)**

DICTYOCAULIASIS see **DICTYOCAULUS INFECTION**

DICTYOCAULUS see under **METASTRONGYLOIDEA**

DICTYOCAULUS INFECTION

DIAGNOSIS

Chronic respiratory disease in a horse infected with Dictyocaulus arnfieldi. George LW, et al. **J Am Vet Med Assoc** 1981 Oct 15;179(8):820–2

DRUG THERAPY

Anthelmintic control of lungworm in donkeys. Clayton HM, et al. **Equine Vet J** 1981 Jul;13(3):192–4

OCCURRENCE

Observations on the epidemiology of Dictyocaulus viviparus in north west England. Oakley GA. **Res Vet Sci** 1982 Mar; 32(2):163–9

PARASITOLOGY

Overwintering of larvae of the cattle lungworm (Dictyocaulus viviparus) on pasture in Kentucky. Lyons ET, et al. **J Am Vet Med Assoc** 1981 Sep 1;179(5):456–7

Natural infection with Dictyocaulus arnfieldi in pony and donkey foals. Clayton HM, et al. **Res Vet Sci** 1981 Nov; 31(3):278–80

PREVENTION & CONTROL

Immunization with irradiated larvae against Dictyocaulus filaria in young lambs. Dhar DN, et al. **Vet Parasitol** 1981 Dec;9(2):125–31

Protection developed against reinfection by Dictyocaulus viviparus following anthelmintic treatment of a one-day-old primary infection in cattle. Oakley GA. **Vet Rec** 1981 Nov 28;109(22):485–7

VETERINARY

[Prevalence of lungworm D. arnfieldi (Cobbold 1884) in donkeys in Denmark and in horses in herds together with donkeys (author's transl)] Andersen S, et al. **Nord Vet Med** 1981 Sep–Nov;33(9–11):484–91 (Eng. Abstr.) **(Dan)**

DICTYOPTERA

ULTRASTRUCTURE

The cercal receptor system of the praying mantid, Archimantis brunneriana Sauss. I. Cercal morphology and receptor types. Ball EE, et al. **Cell Tissue Res** 1982; 224(1):55–70

The cercal receptor system of the praying mantid, Archimantis brunneriana Sauss. II. Cercal nerve structure and projection and electrophysiological responses of the individual receptors. Ball EE, et al. **Cell Tissue Res** 1982; 224(1):71–80

DICTYOSTELIUM

ANALYSIS

Isolation and characterization of a glycolipid from Dictyostelium discoideum. Hase A. **Arch Biochem Biophys** 1981 Aug;210(1):280–8

Interaction of the inhibitor of the 3',5' cyclic AMP phosphodiesterase of Dictyostelium discoideum with the Affi-Gel blue. Dicou E, et al. **Biochem Biophys Res Commun** 1981 Oct 30;102(4):1172–9

A protein inhibitor of cellulases in Dictyostelium discoideum. Jones TH, et al. **Biochem Biophys Res Commun** 1981 Oct 30;102(4):1310–6

Solubilization and hydrophobic immobilization assay of a cAMP binding protein from Dictyostelium discoideum plasma membranes. Meyers BL, et al. **Biochem Biophys Res Commun** 1981 Aug 14;101(3):1011–7

Nucleotide sequence of Dictyostelium discoideum 5.8S ribosomal ribonucleic acid: evolutionary and secondary structural implications. Olsen GJ, et al. **Biochemistry** 1982 May 11;21(10):2335–43

Isolation and characterization of small nuclear RNAs from Dictyostelium discoideum. Takeishi K, et al. **J Biochem (Tokyo)** 1981 Aug;90(2):299–308

Immunochemical analysis of discoidins I and II at the cell surface in wild type and aggregation-defective mutants of Dictyostelium discoideum. Armant DR, et al. **J Cell Biochem** 1982;18(2):169–80

Extraction of membrane factors that inhibit aggregation in Dictyostelium discoideum. Laroy K, et al. **J Cell Sci** 1982 Jun;55:277–86

Partial purification of a developmentally regulated messenger RNA from Dictyostelium discoideum by thermal elution from poly(U)-sepharose. Palatnik CM, et al. **J Mol Biol** 1981 Aug 15;150(3):389–98

Secondary structure of Bombyx mori and Dictyostelium discoideum 5S rRNA from S1 nuclease and cobra venom ribonuclease susceptibility, and computer assisted analysis. Troutt A, et al. **Nucleic Acids Res** 1982 Jan 22;10(2):653–64

CYTOLOGY

A biologically active receptor for the carbohydrate-binding protein(s) of Dictyostelium discoideum. Ray J, et al. **Cell** 1982 Jan;28(1):91–8

Developmental regulation of a stalk cell differentiation-inducing factor in Dictyostelium discoideum. Brookman JJ, et al. **Dev Biol** 1982 May; 91(1):191–6

Differentiation and dedifferentiation can function simultaneously and independently in the same cells in Dictyostelium discoideum. Soll DR, et al. **Dev Biol** 1982 May;91(1):183–90

Early recognition of prespore differentiation in Dictyostelium discoideum and its significance for models on pattern formation. Schapp P, et al. **Differentintion** 1982;22(1):1–5

Role of cell sorting in pattern formation in Dictyostelium discoideum. Tasaka M, et al. **Differentiation** 1981; 18(3):191–6

Differentiation of Dictyostelium discoideum mutant cells in a shaken suspension culture and the effect of cyclic AMP. Abe K, et al. **J Cell Sci** 1981 Oct;51:131–42

Interaction between intracellular vacuoles and the cell surface analysed by finite aperture theory interference reflection microscopy. Gingell D, et al. **J Cell Sci** 1982 Apr;54:287–98

Oxygen gradients cause pattern orientation in Dictyostelium cell clumps. Sternfeld J, et al. **J Cell Sci** 1981 Aug;50:9–17

Dictyostelium amoebae can differentiate into spores without cell–to–cell contact. Kay RR, et al. **J Embryol Exp Morphol** 1981 Apr;62:369–78

Size regulation in Dictyostelium. Kopachik W. **J Embryol Exp Morphol** 1982 Apr;68:23–35

Cell patterning in Dictyostelium. Gross JD, et al. **Philos Trans R Soc Lond [Biol]** 1981 Oct 7; 295(1078):497–508

DRUG EFFECTS

Inhibition of a nutrient-dependent pinocytosis in Dictyostelium discoideum by the amino acid analogue hadacidin. Rossomando EF, et al. **J Cell Biol** 1981 Oct; 91(1):227–31

Effect of microtubule inhibitors on the tubulin system of Dictyostelium discoideum. Rubino S, et al. **Z Allg Mikrobiol** 1982;22(2):127–31

ENZYMOLOGY

Demonstration, by renaturation in O'Farrell gels, of heterogeneity in Dictyostelium uridine diphosphoglucose pyrophosphorylase. Manrow RE, et al. **Anal Biochem** 1982 Feb;120(1):181–8

Properties of a 5'-AMP specific nucleotidase which accumulates in one cell type during development of Dictyostelium discoideum. Armant DR, et al. **Arch Biochem Biophys** 1982 Jul;216(2):485–94

Occurrence of the adenylate cyclase 'G protein' in membranes of Dictyostelium discoideum. Leichtling BH, et al. **Biochem Biophys Res Commun** 1981 Oct 30; 102(4):1187–95

Identification of the regulatory subunit of a cAMP-dependent protein kinase in Dictyostelium discoideum. Leichtling BH, et al. **Biochem Biophys Res Commun** 1982 Apr 14;105(3):949–55

Evidence for the existence of a monovalent cation–stimulated, magnesium–dependent adenosine triphosphatase activity in the isolated plasma membranes of amoebas of the slime mold dictyostelium discoideum. Blanco M. **Biochim Biophys Acta** 1982 Apr 23;687(1):94–6

A protein kinase of the plasma membrane of Dictyostelium discoideum. Juliani MH, et al. **Biochim Biophys Acta** 1981 Dec 15;662(2):256–64

Adenylate cyclase activity in permeabilized cells from Dictyostelium discoideum. Renart MF, et al. **Cell Biol Int Rep** 1981 Nov;5(11):1045–54

The alpha–glucosidases of Dictyostelium discoideum. II. Developmental regulation and cellular localization. Borts RH, et al. **Dev Biol** 1981 Oct 15;87(1):185–92

The alpha–glucosidases of Dictyostelium discoideum. I. Identification and characterization. Borts RH, et al. **Dev Biol** 1981 Oct 15;87(1):176–84

Developmental regulation of multiple forms of UDPglucose pyrophosphorylase of Dictyostelium. Fishel BR, et al. **Dev Biol** 1982 Jul;92(1):175–87

The inhibition of Dictyostelium discoideum alkaline phosphatase by a low molecular weight factor and its implication for the developmental regulation of the enzyme. Mohan Das DV, et al. **FEBS Lett** 1981 Aug 3;130(2):249–52

Osmotically induced changes in the ornithine decarboxylase activity of Dictyostelium discoideum. Harris WA, et al. **J Bacteriol** 1982 May;150(2):716–21

Folic acid and pterin deaminases in Dictyostelium discoideum: kinetic properties and regulation by folic acid, pterin, and adenosine 3',5'-phosphate. Wurster B, et al. **J Bacteriol** 1981 Oct;148(1):183–92

Comparison of properties of the cellular and extracellular phosphodiesterases induced by cyclic adenosine 3',5'-monophosphate in Dictyostelium discoideum. Yamasaki F, et al. **J Biochem (Tokyo)** 1982 Mar;91(3):981–8

Copurification of alkaline phosphatase and 5'-AMP specific nucleotidase in Dictyostelium discoideum. Armant DR, et al. **J Biol Chem** 1981 Dec 25;256(24):12710–8

Glycogen phosphorylase synthesis in Dictyostelium discoideum. Higgins RC, et al. **J Biol Chem** 1982 May 10; 257(9):5068–76

Processing and secretion of alpha–mannosidase forms by Dictyostelium discoideum. Pannell R, et al. **J Biol Chem** 1982 Aug 25;257(16):9861–5

Fatty acyl amidases from Dictyostelium discoideum that act on lipopolysaccharide and derivatives. II. Aspects of substrate specificity. Verret CR, et al. **J Biol Chem** 1982 Sep 10;257(17):10228–34

Fatty acyl amidases from Dictyostelium discoideum that act on lipopolysaccharide and derivatives. I. Partial purification and properties. Verret CR, et al. **J Biol Chem** 1982 Sep 10;257(17):10222–7

Lysosomal abnormalities in hadacidin-treated Dictyostelium discoideum amoebae. Crean EV, et al. **J Gen Microbiol** 1981 Apr;123(Pt 2):253–7

Inhibitory effects of 3'deoxycytidine 5'-triphosphate and 3'-deoxyuridine 5'-triphosphate on DNA-dependent RNA polymerases I and II purified from Dictyostelium discoideum cells. Saneyoshi M, et al. **Nucleic Acids Res** 1981 Jul 10;9(13):3129–38

Methods for the rapid purification of trehalase from Dictyostelium discoideum. Killick KA. **Prep Biochem** 1981; 11(5):547–57

GENETICS

A putative tRNATrp gene cloned from Dictyostelium discoideum: its nucleotide sequence and association with repetitive deoxyribonucleic acid. Peffley DM, et al. **Biochemistry** 1981 Jul 7;20(14):4015–21

Differential expression of the members of the discoidin I multigene family during growth and development of Dictyostelium discoideum. Devine JM, et al. **Cell** 1982 Apr; 28(4):793–800

An irregular satellite sequence is found at the termini of the linear extrachromosomal rDNA in Dictyostelium discoideum. Emery HS, et al. **Cell** 1981 Nov;26(3 Pt 1):411–9

Membrane sites regulating developmental gene expression in Dictyostelium discoideum. Kaleko M, et al. **Cell** 1982 Apr;28(4):801–11

Actin multigene family of Dictyostelium. McKeown M, et al. **Cold Spring Harbor Symp Quant Biol** 1982;46 (Pt 2):495–505

Genetic analysis by mitotic recombination in Dictyostelium discoideum of growth and developmental loci on linkage group VII. Wallace JS, et al. **J Gen Microbiol** 1982 May; 128 (Pt 5):953–64

Evidence for sub–families of actin genes in Dictyostelium as determined by comparisons of 3' end sequences. McKeown M, et al. **J Mol Biol** 1981 Oct 5;151(4):593–606

Sequence and expression of the discoidin I gene family in Dictyostelium discoideum. Poole S, et al. **J Mol Biol** 1981 Dec 5;153(2):273–89

Characterization of sequence elements at the 5' end of a discoidin I gene isolated from Dictyostelium discoideum. Devine JM, et al. **Nucleic Acids Res** 1982 Feb 25; 10(4):1231–41

Thermosensitive development and tip regulation in a mutant of Dictyostelium discoideum. Barclay SL, et al. **Proc Natl Acad Sci USA** 1982 Jan;79(2):505–9

Repetitive DNA sequences cotranscribed with developmentally regulated Dictyostelium discoideum mRNAs. Zuker C, et al. **Proc Natl Acad Sci USA** 1981 Sep;78(9):5386–90

Examination of the regulation of the actin multigene family in Dictyostelium discoideum. McKeown M, et al. **Prog Clin Biol Res** 1982;85 Pt A:51–78 (45 ref.)

GROWTH & DEVELOPMENT

Conservatism in slime mold development. Kessin RH. **Cell** 1981 Dec;27(2 Pt 1):241–3 (0 ref.)

Utilization of trehalose during Dictyostelium discoideum spore germination. Jackson DP, et al. **Dev Biol** 1982 Apr; 90(2):369–74

Phosphorylation of the contact site A glycoprotein (gp80) of Dictyostelium discoideum. Schmidt JA, et al. **Dev Biol** 1982 Jun;91(2):296–304

Chemoresponsiveness to cAMP and folic acid during growth, development, and dedifferentiation in Dictyostelium discoideum. Varnum B, et al. **Differentiation** 1981; 18(3):151–60

Correlations between prestalk–prespore tendencies and cAMP–related activities in Dictyostelium discoideum. Inouye K, et al. **Exp Cell Res** 1982 Apr;138(2):311–8

Developmentally regulated glycoprotein alterations in Dictyostelium discoideum. Toda K, et al. **J Biochem (Tokyo)** 1981 Nov;90(5):1429–36

Macrocyst development in Dictyostelium discoideum. I. Induction of synchronous development by giant cells and biochemical analysis. Saga Y, et al. **J Cell Sci** 1982 Jun; 55:341–52

Differentiation of Dictyostelium discoideum cells in suspension culture. Okamoto K. **J Gen Microbiol** 1981 Dec; 127 (Pt 2):301–8

Developmental regulation of glycoprotein biosynthesis in Dictyostelium. Ivatt RJ, et al. **J Supramol Struct Cell Biochem** 1981;17(4):359–68

The cascade of membrane events during development of Dictyostelium discoideum. Bakke AC, et al. **Subcell Biochem** 1981;8:75–122 (184 ref.)

IMMUNOLOGY

Stage–specific antigens reacting with monoclonal antibodies against contact site A, a cell–surface glycoprotein of Dictyostelium discoideum. Ochiai H, et al. **Cell Differ** 1982 Jan;11(1):1–13

ISOLATION & PURIFICATION

Purification of Dictyostelium discoideum spores by centrifugation in Percoll density gradients with retention of morphological and biochemical integrity. Killick KA. **Anal Biochem** 1981 Jun;114(1):46–52

METABOLISM

Inhibitors of DNA precursor metabolism in Dictyostelium discoideum. Deering RA, et al. **Antimicrob Agents Chemother** 1982 May;21(5):764–9

An analysis of discoidin I binding sites in Dictyostelium discoideum (NC4). Madley IC, et al. **Biochem J** 1981 Oct 15;200(1):83–91

Regulation of protein synthesis in Dictyostelium discoideum:

effects of starvation and anoxia on initiation. Cardelli JA, et al. **Biochemistry** 1981 Dec 22;20(26):7391–8
Potent microtubule inhibitor protein from Dictyostelium discoideum. Weinert T, et al. **Biochemistry** 1982 Feb 16; 21(4):782–9
Extracellular folate deaminase of Dictyostelium discoideum. Bernstein RL, et al. **Biochim Biophys Acta** 1981 Oct 12; 677(2):295–302
Isolation and characterization of an adenylyl-protein complex formed during the incubation of membranes from Dictyostelium discoideum with ATP. Rossomando EF, et al. **Biochim Biophys Acta** 1981 Jul 17;675(3–4):386–91
Control of assembly of Dictyostelium myosin and actin filaments. Spudich JA, et al.
Cold Spring Harbor Symp Quant Biol 1982;46 (Pt 2):553–61
Drastic changes in accumulation and synthesis of plasma-membrane proteins during aggregation of Dictyostelium discoideum. Ono K, et al.
Eur J Biochem 1981 Sep;119(1):133–43
The regulation of glycoprotein synthesis by cAMP in Dictyostelium. Gregg JH, et al. **Exp Cell Res** 1981 Aug; 134(2):389–97
Binding of adenosine 3':5'-monophosphate to plasma membranes of Dictyostelium discoideum amoebae. Klein C. **J Biol Chem** 1981 Oct 10;256(19):10050–3
NH2-terminal processing of Dictyostelium discoideum actin in vitro. Redman K, et al. **J Biol Chem** 1981 Dec 25; 256(24):13226–9
Metabolic compartments in Dictyostelium discoideum. Wright BE, et al. **J Biol Chem** 1982 Jul 10;257(13):7587–94
A 40,000-dalton protein from Dictyostelium discoideum affects assembly properties of actin in a Ca2+-dependent manner. Brown SS, et al. **J Cell Biol** 1982 Apr;93(1):205–10
Streamers: chemotactic mutants of Dictyostelium discoideum with altered cyclic GMP metabolism. Ross FM, et al.
J Gen Microbiol 1981 Dec;127 (Pt 2):339–50
Endogenous lectins in chickens and slime molds: transfer from intracellular to extracellular sites. Barondes SH, et al. **J Supramol Struct Cell Biochem** 1981;16(3):233–42
Phosphoproteins in Dictyostelium discoideum. Coffman DS, et al. **J Supramol Struct Cell Biochem** 1981;15(4):369–85
Phosphorylation of the major heat shock protein of Dictyostelium discoideum. Loomis WF, et al.
Mol Cell Biol 1982 May;2(5):484–9
Discoidins I and II: common and unique regions on two lectins implicated in cell--cell cohesion in Dictyostelium discoideum. Berger EA, et al. **Proc Natl Acad Sci USA** 1982 Apr;79(7):2162–6

PHYSIOLOGY

Chemotaxis in Dictyostelium. Gerisch G.
Annu Rev Physiol 1982;44:535–52 (134 ref.)
Intracellular adenosine 3',5'-phosphate binding proteins in Dictyostelium discoideum: partial purification and characterization in aggregation competent cells. de Gunzburg J, et al. **Biochemistry** 1981 Aug 4;20(16):4547–54
Local and spatially coordinated movements in Dictyostelium discoideum amoebae during chemotaxis. Swanson JA, et al. **Cell** 1982 Feb;28(2):225–32
Cellular and molecular aspects of amoeboid movement. Taylor DL, et al. **Cold Spring Harbor Symp Quant Biol** 1982;46 (Pt 1):101–11
A quantitative study of the phagocytosis of Escherichia coli by myxamoebae of the slime mould Dictyostelium discoideum. Glynn PJ. **Cytobios** 1981;30(119):153–66
Chromatin-associated heat shock proteins of Dictyostelium. Loomis WF, et al. **Dev Biol** 1982 Apr;90(2):412–8
Differences in the stability of developmentally regulated mRNAs in aggregated and disaggregated Dictyostelium discoideum cells. Mangiarotti G, et al. **Dev Biol** 1982 Jan; 89(1):82–91
Cell fusion, nuclear fusion, and zygote differentiation during sexual development of Dictyostelium discoideum. Szabo SP, et al. **Dev Biol** 1982 Apr;90(2):375–82
Externalization of the endogenous intracellular lectin of a cellular slime mold. Springer WR, et al. **Exp Cell Res** 1982 Mar;138(1):231–4
The induction of spore cells in vitro by membranes of Dictyostelium discoideum. Weeks G. **Exp Cell Res** 1982 Feb;137(2):301–8
Reduced aminoacylation of asparagine-transfer RNA early in the developmental cycle of Dictyostelium discoideum: modification pattern and possible significance of the uncharged isoacceptor tRNAAsn3. Dingermann T, et al. **Hoppe Seylers Z Physiol Chem** 1981 Jun;362(6):763–73
Mating types and macrocyst formation in Dictyostelium. Chang MT, et al. **J Bacteriol** 1981 Sep;147(3):1049–53
Analogs of cyclic AMP as chemoattractants and inhibitors of Dictyostelium chemotaxis. Van Haastert PJ, et al.
J Bacteriol 1982 Jan;149(1):99–105
Ribosomal protein synthesis during spore germination and vegetative growth in Dictyostelium discoideum.
Ramagopal S, et al. **J Biol Chem** 1982 Jan 25;257(2):1025–31
Chemotactic receptors of Dictyostelium discoideum. Frazier WA, et al. **J Cell Biochem** 1982;18(2):181–96 (83 ref.)
Dictyostelium chemotactic response to spatial and temporal gradients. Theories of the limits of chemotactic sensitivity and of pseudochemotaxis. Futrelle RP. **J Cell Biochem** 1982;18(2):197–212
A calcium- and pH-regulated protein from Dictyostelium discoideum that cross-links actin filaments. Condeelis J, et al. **J Cell Biol** 1982 Aug;94(2):466–71
Cell behavior in Dictyostelium discoideum: preaggregation response to localized cyclic AMP pulses. Futrelle RP, et al. **J Cell Biol** 1982 Mar;92(3):807–21
Nonequilibrium kinetics of a cyclic GMP-binding protein in Dictyostelium discoideum. Van Haastert PJ, et al.
J Cell Biol 1982 Aug;94(2):271–8
Immunological analysis of glycoprotein (contact sites A) involved in intercellular adhesion of Dictyostelium discoideum. Murray BA, et al.
J Supramol Struct Cell Biochem 1981;17(3):197–211
Dictyostelium discoideum: methods and perspectives for study of cell motility. Spudich JA. **Methods Cell Biol** 1982; 25 Pt B:359–64
cAMP and spore differentiation in Dictyostelium discoideum. Kay RR. **Proc Natl Acad Sci USA** 1982 May;79(10):3228–31
[3H]Methotrexate as a ligand for the folate receptor of Dictyostelium discoideum. Nandini-Kishore SG, et al.
Proc Natl Acad Sci USA 1981 Dec;78(12):7299–303

RADIATION EFFECTS

Physiological effects of ultraviolet light on Dictyostelium discoideum spore germination. Demsar IH, et al.
Photochem Photobiol 1981 Oct;34(4):455–60

ULTRASTRUCTURE

Spindle dynamics during mitosis in Dictyostelium discoideum. Roos UP, et al. **Eur J Cell Biol** 1981 Oct; 25(2):248–57
Freeze-fracture study of phagocytosis in Dictyostelium discoideum. Favard-Séréno C, et al. **J Cell Sci** 1981 Oct; 51:63–84

DICUMAROL see **BISHYDROXYCOUMARIN**

DICYCLOHEXYLCARBODIIMIDE see under **CARBODIIMIDES**

DICYCLOMINE see under **CYCLOHEXANECARBOXYLIC ACIDS**

DIDELPHIS see **OPOSSUMS**

DIDEOXYKANAMYCIN B see under **KANAMYCIN**

DIELDRIN

Reductive degradation of dieldrin and endrin in the field using acidified zinc. Butler LC, et al.
J Environ Sci Health [B] 1981;B16(4):395–408

ANALOGS & DERIVATIVES

Metabolism and route of excretion of the chloro-cyclodiene HCE in the pigeon. Chipman JK, et al.
Arch Environ Contam Toxicol 1981 Nov;10(6):755–64
Species and sex differences in the metabolism of a chlorinated epoxide by hepatic microsomal enzymes. Addala SA, et al. **Biochem Pharmacol** 1981 Nov 1;30(21):2907–13

ANALYSIS

Persistence of dieldrin water and channel catfish from the Des Moines River, Iowa, 1971–73 and 1978. Leung SY, et al. **Pestic Monit J** 1981 Sep;15(2):98–102
[Studies on analysis of pesticide residues in foods (XXXI). Determination of dieldrin and endrin residues in sea mussel in the Seto Inland Sea and confirmation of dieldrin by gas chromatography-mass spectrometry with computer (author's transl)] Sekita H, et al. **Eisei Shikenjo Hokoku** 1981;99:41–6 (Eng. Abstr.) **(Jpn)**

METABOLISM

Breed effects on dieldrin accumulation in the fat of growing chickens. Siegel HS, et al. **Poult Sci** 1981 Oct; 60(10):2218–20
Effect of sex hormones on the retention of dieldrin in the fat of growing chickens. Siegel HS, et al. **Poult Sci** 1981 Oct;60(10):2210–7

PHARMACODYNAMICS

Comparative study of dieldrin effects on amphibian liver and early embryo phospholipids. de Llamas MC, et al.
Comp Biochem Physiol [C] 1982;71C(1):77–81
Selection for insecticide resistance in the Australian sheep blowfly, Lucilia cuprina. McKenzie JA, et al.
Experientia 1982 Jan 15;38(1):84–5
Effect of dieldrin on rat liver plasma membrane enzymes. Bandyopadhyay SK, et al. **Toxicol Lett** 1982 Apr; 11(1–2):131–4
Modification of the hepatotoxicity of carbon tetrachloride and chloroform in goats by pre-treatment with dieldrin and phenobarbitone. Abdelsalam EB, et al.
Zentralbl Veterinarmed [A] 1982 Mar;29(2):142–8

POISONING

Dieldrin poisoning in poultry [letter] Jones HG, et al.
Vet Rec 1982 Mar 27;110(13):312

TOXICITY

A possible site of action of dieldrin in the brain. Chambers PL. **Arch Toxicol [Suppl]** 1982;5:112–5
Elevation of brain cyclic nucleotides during acute dieldrin exposure. Joy RM, et al. **Bull Environ Contam Toxicol** 1982 May;28(5):611–6
Acute dieldrin toxicity: effect on the uptake of glucose and leucine and on brush border enzymes in monkey intestine. Mahmood A, et al. **Chem Biol Interact** 1981 Oct; 37(1–2):165–70
The kindled seizure: production of and modification by dieldrin in rats. Joy RM, et al. **Neurobehav Toxicol** 1980 Summer;2(2):117–24
The combined action of dieldrin and phosphamidon in goats. Abdelsalam EB, et al. **Zentralbl Veterinarmed [A]** 1982 Mar; 29(2):136–41

DIENCEPHALON

Diencephalic syndrome secondary to intracranial astrocytoma in a dog. Nelson RW, et al.
J Am Vet Med Assoc 1981 Nov 15;179(10):1004–10
Germ-cell tumors of the diencephalon. Butler IJ, et al.
Prog Clin Biol Res 1982;92:263–71
[Diencephalic (hypothalamic) epilepsy (nosologic basis)] Gromov SA, et al. **Zh Nevropatol Psikhiatr** 1982;82(6):21–6 **(Rus)**
[Intrahemispheric correlations among EEG slow-wave components in patients with focal brain lesions] Sharova EV, et al. **Zh Vyssh Nerv Deiat** 1982 May-Jun;32(3):546–8 **(Rus)**

ABNORMALITIES

[Long term survival of holoprosencephaly with shunting procedure (author's transl)] Kitahara M, et al.
No Shinkei Geka 1982 Jan;10(1):91–6 (Eng. Abstr.) **(Jpn)**

ANALYSIS

Subcellular localization of calcium in the coronet cells and tanycytes of the saccus vasculosus of the rainbow trout, Salmo gairdneri Richardson. Jansen WF, et al.
Cell Tissue Res 1982;224(1):169–80
[Spectrofluorometric determination of 5-hydroxytryptamine and 5-hydroxyindoleacetic acid in rat diencephalon (author's transl)] Martínez-Conde E, et al.
Rev Esp Fisiol 1982 Mar;38(1):41–6 (Eng. Abstr.) **(Spa)**

ANATOMY & HISTOLOGY

Diencephalic projections from the pontine reticular formation: autoradiographic studies in the cat. Robertson RT, et al. **Brain Res** 1982 May 6;239(1):3–16
The localisation of LH-RH neurones in the diencephalon of the domestic hen. Sterling RJ, et al. **Cell Tissue Res** 1982;222(2):283–98
Forebrain projections to the periaqueductal gray in the monkey, with observations in the cat and rat. Mantyh PW.
J Comp Neurol 1982 Apr 1;206(2):146–58
Hypothalamic, other diencephalic, and telencephalic neurons that project to the dorsal midbrain. Morrell JI, et al.
J Comp Neurol 1981 Oct 1;201(4):589–620
The island of Calleja complex of rat basal forebrain. I. Light and electron microscopic observations. Ribak CE, et al.
J Comp Neurol 1982 Mar 1;205(3):207–18
Fiber connections of the corpus glomerulosum in a teleost, Navodon modestus. Sakamoto N, et al. **J Comp Neurol** 1982 Mar 1;205(3):291–8
The morphology of the diencephalon in the Prosimii. III. The Tarsioidea. Simmons RM. **J Hirnforsch** 1982; 23(2):149–73
Organization of diencephalic and brainstem afferent projections to the lateral septum in the rat. Luiten PG, et al. **Neurosci Lett** 1982 Jun 30;30(3):211–6

CYTOLOGY

Prospective forebrain-midbrain from axolotl neurulae can be reprogrammed to differentiate as Mauthner cell-containing medulla. Model PG. **Brain Res** 1982 Jan;255(1):109–21
[Autoradiographic investigations on postnatal proliferative activity of the telencephalic and diencephalic matrix-zones in the axolotl (Ambystoma mexicanum), with special references to the olfactory organ (author's transl)] Richter W, et al. **Z Mikrosk Anat Forsch** 1981;95(6):883–904 (Eng. Abstr.) **(Ger)**
[Comparative structure of diencephalic neuronal groups in Rana ridibunda and Triturus boscai] Fernández González CM. **Trab Inst Cajal Invest Biol** 1979;70(4):321–48 (Eng. Abstr.) **(Spa)**

EMBRYOLOGY

The development of the diencephalon in Xenopus. An autoradiographic study. Tay D, et al.
Anat Embryol (Berl) 1982;163(4):371–88
Effect of the basal diencephalon on the development of Rathke's pouch in rats: a study in combined organ cultures. Daikoku S, et al. **Dev Biol** 1982 Mar;90(1):198–202

ENZYMOLOGY

Influence of liver injury on testosterone 5 alpha-reductase activity in the rat diencephalon. Kaneyuki T, et al.
Acta Med Okayama 1981 Oct;35(4):279–84
Species variation of alkaline phosphatase distribution in the telencephalon and diencephalon of hedgehog, mouse and

bat. Sood PP, et al. **Acta Neurol (Napoli)** 1981 Jun; 36(3):505–11

Distribution and morphological characteristics of acetylcholinesterase-containing neurons in the basal forebrain of the cat. Parent A, et al. **Brain Res Bull** 1982 Feb;8(2):183–96

Fine structural localization of adenosine triphosphatase activities in the saccus vasculosus of the rainbow trout, Salmo gairdneri Richardson. Jansen WF, et al. **Cell Tissue Res** 1981;219(2):267–79

GROWTH & DEVELOPMENT

Ontogeny of somatostatin-containing neuron system of the rat: immunohistochemical analysis. II. Forebrain and diencephalon. Shiosaka S, et al. **J Comp Neurol** 1982 Jan 20;204(3):211–24

METABOLISM

The polyadenylated RNA directing the synthesis of the rat myelin basic proteins is present in both free and membrane-bound forebrain polyribosomes. Hall C, et al. **Biochem J** 1982 Feb 15;202(2):407–17

The localization of vasotocin and neurophysin neurons in the diencephalon of the pigeon, Columba livia. Berk ML, et al. **J Comp Neurol** 1982 Feb 1;204(4):392–406

New somatostatin-containing sites in the diencephalon of the neonatal rat. Shiosaka S, et al. **Neurosci Lett** 1981 Aug 7;25(1):69–73

PATHOLOGY

Congenital diencephalic and brain stem damage: neuropathologic study of three cases. Wilson ER, et al. **Acta Neuropathol (Berl)** 1982;57(1):70–4

PHYSIOLOGY

Tectal projections in teleosts: responses of some target nuclei to direct tectal stimulation. Williams B, et al. **Brain Res** 1982 Jun 17;242(1):3–9

Effects of periaqueductal gray stimulation of diencephalic neural activity. Barone FC, et al. **Brain Res Bull** 1981 Aug; 7(2):195–207

Effect of stimulation of visual cortex on limbic and diencephalic neurons. Gonzalez-Lima F, et al. **Exp Neurol** 1982 Jul;77(1):26–38

Diencephalic modulation of activities of raphe-spinal neurons in the cat. Tsubokawa T, et al. **Exp Neurol** 1981 Nov; 74(2):561–72

Morphometric synaptology of gracilo-diencephalic relay cells: an electron microscopic study in the cat using retrograde transport of horseradish peroxidase. Blomqvist A. **J Neurocytol** 1981 Aug;10(4):709–24

Quantitative analysis of hippocampal rhythmical slow activity induced by stimulation of different diencephalic structures. Destrade C, et al. **Neuroscience** 1981; 6(6):1089–94

Intracranial self-stimulation: temporal interactions among mesencephalic and diencephalic sites. Bodnar RJ, et al. **Physiol Behav** 1982 Mar;28(3):473–82

[Short-term effects of brain electrical stimuli on activities of the efferent respiratory nerves in cats. II. Responses to sub-cortical stimulation (author's transl)] Bassal M, et al. **J Physiol (Paris)** 1981 Sep;77(6–7):759–77 (Eng. Abstr.) **(Fre)**

[Multiunit activity from various levels of the olfactory pathways in unrestrained rats : Correlated responses from the olfactory bulb and basal telencephalic areas. (author's transl)] Pager J. **J Physiol (Paris)** 1981 Sep;77(6–7):727–39 (Eng. Abstr.) **(Fre)**

[Conditioned defensive behavior in the rat in response to changes in the activity of cerebral noradrenergic and cholinergic systems] Martynov NN, et al. **Fiziol Zh SSSR** 1982 Mar;68(3):297–302 (Eng. Abstr.) **(Rus)**

[Changes in noradrenaline fluorescence in the diencephalon and conditioned defense behavior following coaguiation of the ventral noradrenergic pathways] Bessonova OA, et al. **Neirofiziologiia** 1981;13(4):418–20 (Eng. Abstr.) **(Rus)**

PHYSIOPATHOLOGY

[Diencephalic disorders in the acute period of cerebral aneurysm rupture] Samoilov VI. **Zh Nevropatol Psikhiatr** 1982;82(1):27–31 (Eng. Abstr.) **(Rus)**

[A further role on the structuro-functional organization of the vegetatovisceral manifestations of epilepsy (diencephalic epilepsy?)] Savchenko IuN, et al. **Zh Nevropatol Psikhiatr** 1982;82(6):826–30 (Eng. Abstr.) **(Rus)**

[Neurophysiologic organization of the pathologic craving for alcohol] Volynkina GIu, et al. **Zh Nevropatol Psikhiatr** 1982;82(2):240–4 (Eng. Abstr.) **(Rus)**

SURGERY

CT control of stereotactic surgery in the diencephalon. Dettori P, et al. **Neuroradiology** 1982;23(2):91–4

ULTRASTRUCTURE

Relationships between the tubular system in the globules of the coronet cells of the saccus vasculosus and the cerebrospinal fluid in Gasterosteus aculeatus form leiurus (Teleostei). Follénius E. **Cell Tissue Res** 1982;224(1):105–15

DIENESTROL see under **PHENOLS**

DIENTAMOEBIASIS see under **AMEBIASIS**

DIESTRUS see under **ESTRUS**

DIET

see related
COOKERY

A study of dietary intake in adult monozygotic twins. Corey LA, et al. **Acta Genet Med Gemellol (Roma)** 1980; 29(4):263–71

Alkaline phosphatases in endochondral ossification of rats low in calcium and vitamin D deficient. Engström C, et al. **Acta Orthop Scand** 1982 Jun;53(3):317–23

Renal clearance of fluoride in a steady state condition in man: influence of urinary flow and pH changes by diet. Ekstrand J, et al. **Acta Pharmacol Toxicol (Copenh)** 1982 May;50(5):321–5

Studies on porcine adrenocortical function. II. Effects of the ambient temperature and restricted feeding on the peripheral cortisol level. Rafai P, et al. **Acta Vet Acad Sci Hung** 1981;28(4):443–54

Nutrient intake and health status of vegans. Chemical analyses of diets using the duplicate portion sampling technique. Abdulla M, et al. **Am J Clin Nutr** 1981 Nov; 34(11):2464–77

Plasma amino acid responses in humans to evening meals of differing nutritional composition. Ashley DV, et al. **Am J Clin Nutr** 1982 Jul;36(1):143–53

Severe caloric restriction [letter] Ayers WR, et al. **Am J Clin Nutr** 1981 Dec;34(12):2855–6

Carnitine metabolism in Macaca arctoides: the effects of dietary change and fasting on serum triglycerides, unesterified carnitine, esterified (acyl) carnitine, and beta-hydroxybutyrate. Bell FP, et al. **Am J Clin Nutr** 1982 Jul;36(1):115–21

Refeeding after fasting in the rat: effects on body composition and food efficiency. Björntorp P, et al. **Am J Clin Nutr** 1982 Sep;36(3):444–9

Nutritional assessment of pregnant and lactating Navajo women. Butte NF, et al. **Am J Clin Nutr** 1981 Oct; 34(10):2216–28

Carnitine intake and excretion in neuromuscular diseases. Carroll JE, et al. **Am J Clin Nutr** 1981 Dec;34(12):2693–8

Nutrient intake, adiposity, plasma total cholesterol, and blood pressure of rural participants in the (Vermont) Nutrition Program for Older Americans (Title III). Clarke RP, et al. **Am J Clin Nutr** 1981 Sep;34(9):1743–51

Body composition and dietary intake in neoplastic disease. Cohn SH, et al. **Am J Clin Nutr** 1981 Oct;34(10):1997–2004

A study of diet, serum lipids, and fecal constituents in spouses. Eastwood MA, et al. **Am J Clin Nutr** 1982 Aug;36(2):290–3

Bioavailable nutrient density: a new concept applied in the interpretation of food iron absorption data. Hallberg L. **Am J Clin Nutr** 1981 Oct;34(10):2242–7

Absorption of iron from Western-type lunch and dinner meals. Hallberg L, et al. **Am J Clin Nutr** 1982 Mar; 35(3):502–9

Food substitution with worker feeding programs: energy supplementation in guatemalan sugarcane workers. Immink MD, et al. **Am J Clin Nutr** 1981 Oct;34(10):2145–50

Effect of varying energy and protein intakes on some biochemical parameters of protein metabolism. Iyengar AK, et al. **Am J Clin Nutr** 1982 Apr;35(4):733–40

A community study of calorie and nutrient intake in drinkers and nondrinkers of alcohol. Jones BR, et al. **Am J Clin Nutr** 1982 Jan;35(1):135–9

Diurnal and longitudinal variations in human milk sodium and potassium: implication for nutrition and physiology. Keenan BS, et al. **Am J Clin Nutr** 1982 Mar;35(3):527–34

Relationship between dietary and biochemical measures of nutritional status in HANES I data. Kerr GR, et al. **Am J Clin Nutr** 1982 Feb;35(2):294–307

Association of diet and place of birth with stomach cancer incidence in Hawaii Japanese and Caucasians. Kolonel LN, et al. **Am J Clin Nutr** 1981 Nov;34(11):2478–85

Selenium balance in young men during selenium depletion and repletion. Levander OA, et al. **Am J Clin Nutr** 1981 Dec;34(12):2662–9

The Bacon Chow study: maternal nutrition supplementation and birth weight of offspring. McDonald EC, et al. **Am J Clin Nutr** 1981 Oct;34(10):2133–44

Fecal bulk, energy intake, and serum cholesterol: regression response of serum cholesterol to apparent digestibility of dry matter and suboptimal energy intake in rats on fiber-fat diet. Normani MZ, et al. **Am J Clin Nutr** 1981 Oct; 34(10):2078–87

Taste perception of sodium chloride in relation to dietary intake of salt. Pangborn RM, et al. **Am J Clin Nutr** 1982 Mar;35(3):510–20

Long-term energy balance in child-bearing Gambian women. Prentice AM, et al. **Am J Clin Nutr** 1981 Dec; 34(12):2790–9

Methodologic studies during pregnancy: the reliability of the 24-hour dietary recall. Rush D, et al. **Am J Clin Nutr** 1982 May;35(5 Suppl):1259–68

Prediction of nutritional status from food consumption and consumer attitude data. Schutz HG. **Am J Clin Nutr** 1982 May;35(5 Suppl):1310–8

Effects of slimming and composition of diets on VO2 and thyroid hormones in healthy subjects. Serog P, et al. **Am J Clin Nutr** 1982 Jan;35(1):24–35

Exercise intensity, dietary intake, and high-density lipoprotein cholesterol in young female competitive swimmers. Smith MP, et al. **Am J Clin Nutr** 1982 Aug; 36(2):251–5

Biological availability of zinc in humans. Solomons NW. **Am J Clin Nutr** 1982 May;35(5):1048–75 (235 ref.)

Pantothenic acid nutritional status in the elderly—institutionalized and noninstitutionalized. Srinivasan V, et al. **Am J Clin Nutr** 1981 Sep;34(9):1736–42

Dietary practices and xerophthalmia among Indonesian children. Tarwotjo I, et al. **Am J Clin Nutr** 1982 Mar; 35(3):574–81

Adaptive effects of dietary ethanol in the pig: changes in plasma high-density lipoproteins and fecal steroid excretion and mutagenicity. Topping DL, et al. **Am J Clin Nutr** 1982 Aug;36(2):245–50

Metabolic alterations induced by voluntary exercise and discontinuation of exercise in hamsters. Tsai AC, et al. **Am J Clin Nutr** 1982 May;35(5):943–9

Effect of exercise on spontaneous calorie intake in obesity. Woo R, et al. **Am J Clin Nutr** 1982 Sep;36(3):470–7

Voluntary food intake during prolonged exercise in obese women. Woo R, et al. **Am J Clin Nutr** 1982 Sep; 36(3):478–84

Selenium bioavailability with reference to human nutrition. Young VR, et al. **Am J Clin Nutr** 1982 May;35(5):1076–88 (69 ref.)

Diet, other lifestyle factors and HDL cholesterol in a population of Australian male service recruits. Dwyer T, et al. **Am J Epidemiol** 1981 Nov;114(5):683–96

Diet in the epidemiology of breast cancer. Graham S, et al. **Am J Epidemiol** 1982 Jul;116(1):68–75

Nutrient intakes of husbands and wives: implications for epidemiologic research. Lee J, et al. **Am J Epidemiol** 1982 Apr;115(4):515–25

Serum total cholesterol, triglyceride level, and dietary intake in Japanese students aged 15 years. Ueshima H, et al. **Am J Epidemiol** 1982 Aug;116(2):343–52

The effect of a low-phosphate diet on hematocrit and oxygen transport in uremic rats. Connelly TJ, et al. **Am J Hematol** 1982 Feb;12(1):55–61

Diet-induced systemic lupus erythematosus (SLE) in primates. Bardana EJ Jr, et al. **Am J Kidney Dis** 1982 May; 1(6):345–52

Nutrition and aging: some unanswered questions. Rivlin RS. **Am J Med** 1981 Sep;71(3):337–40

Maternal smoking and birth weight in relation to dietary habits. Papoz L, et al. **Am J Obstet Gynecol** 1982 Apr 1; 142(7):870–6

Retinoids and the prevention of cervical dysplasias. Romney SL, et al. **Am J Obstet Gynecol** 1981 Dec 15;141(8):890–4

Electron-optical microscopic study of incipient dental microdamage from experimental seed and bone crushing. Peters CR. **Am J Phys Anthropol** 1982 Mar;57(3):283–301

Strontium and diet at Hayonim Cave. Sillen A. **Am J Phys Anthropol** 1981 Oct;56(2):131–7

Spontaneous obesity in maturing squirrel monkeys fed semipurified diets. Ausman LM, et al. **Am J Physiol** 1981 Nov;241(5):R316–21

Muscle mitochondrial bioenergetics, oxygen supply, and work capacity during dietary iron deficiency and repletion. Davies KJ, et al. **Am J Physiol** 1982 Jun;242(6):E418–27

Responses to mixed meals in pancreatectomized dogs deprived of postprandial insulin. Goriya Y, et al. **Am J Physiol** 1982 May;242(5):E335–42

Fluctuations in basal levels and effects of altered nutrition on plasma somatostatin. Hansen BC, et al. **Am J Physiol** 1982 Sep;243(3):R289–95

Prediction of plasma amino acid concentration from diet amino acid content. Johnson DJ, et al. **Am J Physiol** 1982 Jul;243(1):R99–103

Dietary modulation of alpha-cell volume and function in strain 129/J mice. Morley MG, et al. **Am J Physiol** 1982 Apr;242(4):G354–9

Abnormal tubular adaptation to dietary Pi restriction in X-linked hypophosphatemic mice. Mühlbauer RC, et al. **Am J Physiol** 1982 Apr;242(4):F353–9

Diet and intestinal diseases. Vaezzadeh K, et al. **Am J Proctol Gastroenterol Colon Rectal Surg** 1978 Mar-Apr;29(2):22–3, 25

Assessment of dietary compliance [editorial] Remmell PS. **Am J Public Health** 1982 Feb;72(2):128–9

Responses of shorn and full-fleeced lambs given two levels of feed intake and exposed to warm and cold temperatures. Horton GM. **Am J Vet Res** 1981 Dec;42(12):2151–4

Selenium content and glutathione peroxidase activity in tissues of young cattle fed supplemented whole milk diets. Scholz RW, et al. **Am J Vet Res** 1981 Oct;42(10):1718–23

Biosynthesis of glycoproteins in the intestinal mucosa. II. Influence of diets. Biol MC, et al. **Ann Nutr Metab** 1981; 25(5):269–80

Growth, food intake, motor activity and experimental cardiac necrosis in early malnourished male rats. Pařizková J, et al. **Ann Nutr Metab** 1982;26(2):121–8

Estimating sodium intake from food consumption data. Pietinen P. **Ann Nutr Metab** 1982;26(2):90–9

Dietary intake in obese women. Kulesza W. **Appetite** 1982

Mar;3(1):61-8
Effect of dietary calcium and phosphorus restriction on calcium and phosphorus balance in young and old rats. Armbrecht HJ, et al. **Arch Biochem Biophys** 1981 Aug; 210(1):179-85
Growth retardation in asthma: role of calorie deficiency. Cogswell JJ, et al. **Arch Dis Child** 1982 Jun;57(6):473-5
Effect of dietary restriction on induced hamster cheek pouch carcinogenesis. Andreou KK, et al. **Arch Oral Biol** 1981; 26(6):525-31
Liquid-diet-induced alterations of rat parotid acinar cells studied by electron microscopy and enzyme cytochemistry. Hand AR, et al. **Arch Oral Biol** 1981;26(5):369-80
Effect of a ground versus a pelleted bulk diet on the rat parotid gland. Johnson DA. **Arch Oral Biol** 1981; 26(12):1091-3
Bioavailability of cadmium in rats fed various diets. Rabar I, et al. **Arch Toxicol** 1981 Mar;47(1):63-6
Dietary lipids, sugar, fiber and mortality from coronary heart disease. Bivariate analysis of international data. Liu K, et al. **Arteriosclerosis** 1982 May-Jun;2(3):221-7
The effect of diet on the transport of probucol in monkeys. Eder HA. **Artery** 1982;10(2):105-7
Will serum lipid lowering treatment reduce the incidence of coronary heart disease? Vessby B, et al. **Artery** 1981; 9(5):372-81
The body-image of parents before and after diet-and-nutrition counseling. Kuster CG, et al. **ASDC J Dent Child** 1982 Mar-Apr;49(2):131-5
A contemporary approach toward healthful diets. Olson RE. **ASDC J Dent Child** 1982 Jan-Feb;49(1):63-5
A critique of universal diet recommendations for prevention of coronary heart disease. Reiser R. **ASDC J Dent Child** 1982 Jan-Feb;49(1):60-2
The concentration of cholesterol in serum and in various serum lipoproteins in macrobiotic, vegetarian and non-vegetarian men and boys. Knuiman JT, et al. **Atherosclerosis** 1982 May;43(1):71-82
The effect of semipurified diets containing different proportions of either casein or soybean protein on the concentration of cholesterol in whole serum, serum lipoproteins and liver in male and female rats. Terpstra AH, et al. **Atherosclerosis** 1982 Mar;42(1):85-95
Sugar and human health. Wahlqvist ML. **Aust Fam Physician** 1981 Oct;10(10):818-9
Nutrient intake and the menstrual cycle [letter] Phillips PR, et al. **Aust NZ J Med** 1982 Apr;12(2):211
Influence of high caloric parenteral nutrition on catabolism and cellular immune competence in carcinoma patients. Brandl M, et al. **Aust NZ J Surg** 1982 Aug;52(4):350-3
Dietary studies on Tasmanian high school students: intakes of energy and nutrients. Woodward DR, et al. **Aust Paediatr J** 1981 Sep;17(3):196-201
Characterization of microsomal glycosyl-transferases of rat pancreas and influence of diets. Biol MC, et al. **Biochem Biophys Res Commun** 1982 Jan 15;104(1):148-57
Influence of dietary ascorbic acid upon enzymes of sterol biosynthesis in the guinea pig. Holloway DE, et al. **Biochem Biophys Res Commun** 1981 Oct 30;102(4):1283-9
Reduction of beta-oxidation capacity of rat liver mitochondria by feeding orotic acid. Miyazawa S, et al. **Biochim Biophys Acta** 1982 Jun 11;711(3):494-502
Effects of fat-free diet on fetal and maternal glucose-6-phosphate dehydrogenase and the timing of parturition in the mouse. Dresser BL, et al. **Biol Neonate** 1982;41(5-6):252-7
Relative and combined effects of low temperature, poor diet, and short daylength on the productivity of wild house mice. Pryor S, et al. **Biol Reprod** 1981 Nov;25(4):734-43
Salicylamide pharmacokinetics in healthy males: dietary effect. Morad AR. **Biopharm Drug Dispos** 1982 Apr-Jun; 3(2):175-83
Value of bread in the diet. Sugden K. **Br Dent J** 1982 May 4;152(9):323
Platelet functions in relation to diet and serum lipids in British farmers. Renaud S, et al. **Br Heart J** 1981 Nov;46(5):562-70
Nutrient intakes in relation to cancer incidence in Hawaii. Kolonel LN, et al. **Br J Cancer** 1981 Sep;44(3):332-9
The relationship between individual dietary constituents and antipyrine metabolism in Indo-Pakistani immigrants to Britain. Mucklow JC, et al. **Br J Clin Pharmacol** 1982 Apr; 13(4):481-6
Dietary influences on 8-MOP plasma levels in PUVA patients with psoriasis. Roelandts R, et al. **Br J Dermatol** 1981 Nov;105(5):569-72
Content of phospholipids in human diets studied by the duplicate-portion technique. Akesson B. **Br J Nutr** 1982 Mar;47(2):223-9
Diet and health of people with an ileostomy. 1. Dietary assessment. Bingham S, et al. **Br J Nutr** 1982 May; 47(3):399-406
The effect of long-term feeding of soya-bean flour diets on pancreatic growth in the rat. Crass RA, et al. **Br J Nutr** 1982 Jan;47(1):119-29
Studies of the large intestine of sheep. 1. Fermentation and absorption in sections of the large intestine. Dixon RM, et al. **Br J Nutr** 1982 Mar;47(2):289-300
Influence of diet and microbial activity in the digestive tract on digestibility, and nitrogen and energy metabolism in rats and pigs. Eggum BO, et al. **Br J Nutr** 1982 Jul;48(1):161-75
The effects of gum arabic, wheat offal and various of its fractions on the metabolism of 14C-labelled aflatoxin B1 in the male weanling rat. Frape DL, et al. **Br J Nutr** 1982 Jul;48(1):97-110
The effects of physical exercise on metabolic rate and dietary-induced thermogenesis. Gleeson M, et al. **Br J Nutr** 1982 Mar;47(2):173-81
Nitrogen balance in Indian preschool children receiving the safe level of protein at varying levels of energy. Iyengar AK, et al. **Br J Nutr** 1981 Sep;46(2):295-300
The effect of low dietary manganese intake on rainbow trout (Salmo gairdneri). Knox D, et al. **Br J Nutr** 1981 Nov; 46(3):495-501
The influence of diet on the exocrine pancreatic secretion of growing pigs. Partridge IG, et al. **Br J Nutr** 1982 Jul; 48(1):137-45
Effects of feeding a palatable 'cafeteria' diet on energy balance in young and adult lean (+/?) Zucker rats. Rothwell NJ, et al. **Br J Nutr** 1982 May;47(3):461-71
Obligatory urinary and faecal nitrogen losses in young Chilean men given two levels of dietary energy intake. Uauy R, et al. **Br J Nutr** 1982 Jan;47(1):11-20
Capacity of the Chilean mixed diet to meet the protein and energy requirements of young adult males. Yáñez E, et al. **Br J Nutr** 1982 Jan;47(1):1-10
Sympathetic mechanisms in diet-induced thermogenesis: modification by ciclazindol and anorectic drugs. Rothwell NJ, et al. **Br J Pharmacol** 1981 Nov;74(3):539-46
A control study of dietary factors in renal stone formation. Griffith HM, et al. **Br J Urol** 1981 Oct;53(5):416-20
Quality of diet and blood folate concentrations [letter] Laurence KM, et al. **Br Med J [Clin Res]** 1982 Jul 17; 285(6336):216
Caution on preventing neural tube defects [letter] Talwalker VC. **Br Med J [Clin Res]** 1981 Oct 3;283(6296):917-8
Coronary disease. Trowell J. **Br Med J [Clin Res]** 1982 Sep 11;285(6343):738
Effects of hemidecortication on the regulation of rat thyroid function. Nonaka KO, et al. **Braz J Med Biol Res** 1981 Oct;14(4-5):291-9
Implications of nutrition in athletes' menstrual cycle irregularities. Dale E, et al. **Can J Appl Sport Sci** 1982 Jun;7(2):74-8
Plasma lipids, lipoproteins, and triglyceride turnover in eu- and hypo-thyroid rats and rats on a hypocaloric diet. Dory L, et al. **Can J Biochem** 1981 Aug;59(8):715-21
Dietary influence on microbial activities in the caecum of mice. Brockett M, et al. **Can J Microbiol** 1982 May; 28(5):493-9
Influence of diets on the effect of probenecid and of cold exposure under restraint on noradrenaline and serotonin in the hypothalamus. Héroux O. **Can J Physiol Pharmacol** 1982 Feb;60(2):140-7
The food consumption patterns and nutrient intakes of some Canadian low birth-weight infants during the first twelve months of infancy. Gibson RS, et al. **Can J Public Health** 1981 Jul-Aug;72(4):273-81
The low incidence of colorectal cancer in a 'high-risk' population: its correlation with dietary habits. Rozen P, et al. **Cancer** 1981 Dec 15;48(12):2692-5
Nutritional modulation of cancer. Nauss KM, et al. **Cancer Detect Prev** 1980;3(2):367-417 (140 ref.)
Effect of diet on plasma and urinary hormones in South African black men with prostatic cancer. Hill P, et al. **Cancer Res** 1982 Sep;42(9):3864-9
Dietary influence of tyrosine and phenylalanine on the response of B16 melanoma to carbidopa-levodopa methyl ester chemotherapy. Meadows GG, et al. **Cancer Res** 1982 Aug;42(8):3056-63
Soybean diet lowers breast tumor incidence in irradiated rats. Troll W, et al. **Carcinogenesis** 1980 Jun;1(6):469-72
Effects of dietary antioxidants on the biotransformation and porphyrinogenic action of hexachlorobenzene in two strains of rats. Debets F, et al. **Chem Biol Interact** 1981 Oct;37(1-2):77-94
Effects of bean meal on serum cholesterol and triglycerides. Lin BW, et al. **Chin Med J [Engl]** 1981 Jul;94(7):455-8
Clostridia isolated from feces of rats. Chung KT. **Chung Hua Min Kuo Wei Sheng Wu Chi Mien I Hsueh Tsa Chih** 1981 Dec;14(4):222-6
IgE antibody levels to ingested soya protein determined in a normal adult population. Goodwin BF. **Clin Allergy** 1982 Jan;12(1):55-62
Blood pressure and sodium excretion in the sinoaortic denervated rat during chronic high and low sodium intake and acute sodium loading. Velasquez MT, et al. **Clin Exp Hypertens [A]** 1982;4(3):499-519
Dietary sodium intake: a determinant of postprandial plasma sodium concentration in the dog. Schneider EG, et al. **Clin Sci** 1982 May;62(5):471-7
Activity of adenylate deaminase and glutamate dehydrogenase in the liver: species and dietary variation. Al-Awadi FM. **Comp Biochem Physiol [B]** 1982; 71(4):605-9
Bioaccumulation of organochlorines by yearling coho salmon (Oncorhynchus kisutch walbaum) fed diets containing Great Lakes' coho salmon, and the pathophysiological responses of the recipients. Leatherland JF, et al. **Comp Biochem Physiol [C]** 1982;72(1):91-9
Dietary guidelines and drug therapies. Roe DA. **Compr Ther** 1981 Jul;7(7):62-9 (12 ref.)
Nutritional requirements of adolescents. Daniel WA Jr. **Curr Concepts Nutr** 1982;11:19-34
Zinc nutrition in Crohn's disease. Fleming CR, et al. **Dig Dis Sci** 1981 Oct;26(10):865-70
Insulin receptors in isolated adipocytes from rats with different neonatal nutrition. Ficková M, et al. **Endocrinol Exp (Bratisl)** 1981 Dec;15(4):259-68
Feeding regimen, dietary calcium, and the diurnal rhythms of serum calcium and calcitonin in the rat. Hirsch PF, et al. **Endocrinology** 1982 Mar;110(3):961-8
Effect of rat's diet on 85Sr, 115mCd, and 203Hg absorption in suckling rats. Kostial K, et al. **Environ Res** 1981 Aug; 25(2):281-5
Dietary intake of cadmium in the United States: 1920-1975. Travis CC, et al. **Environ Res** 1982 Feb;27(1):1-9
Does diet matter in hypertension? Amery A, et al. **Eur Heart J** 1980 Aug;1(4):299-308
Effect of restricted potassium intake on its excretion and on physiological responses during heat stress. Malhotra MS, et al. **Eur J Applied Physiol** 1981;47(2):169-79
Plasma lipids in kidney transplanted children and adolescents: influence of pubertal development, dietary intake and steroid therapy. Broyer M, et al. **Eur J Clin Invest** 1981 Oct;11(5):397-402
Serum profiles of LH, FSH, testosterone and 5 alpha-DHT from 21 to 1000 days of age in ad libitum fed and dietary restricted rats. Merry BJ, et al. **Exp Gerontol** 1981; 16(6):431-44
Diet as adaptation: the search for nutritional strategies. DeWalt KM. **Fed Proc** 1981 Sep;40(11):2606-10
Integrating ethnographic research with nutrition studies. Jerome NW, et al. **Fed Proc** 1981 Sep;40(11):2601-5
Preliminary observations on habitat utilization and diet in eight Surinam Monkeys. Mittermeier RA, et al. **Folia Primatol (Basel)** 1981;36(1-2):1-39
Modification of beet and cabbage diets of aflatoxin B1-induced rat plasma alpha-foetoprotein elevation, hepatic tumorigenesis, and mutagenicity of urine. Boyd JN, et al. **Food Chem Toxicol** 1982 Feb;20(1):47-52
The influence of milk in the diet on the toxicity of orally ingested lead in rats. Bell RR, et al. **Food Cosmet Toxicol** 1981 Aug;19(4):429-36
The price of satiety. A study of household consumption and budgets in Tunisia. Périssé J, et al. **Food Nutr (Roma)** 1981; 7(2):3-10
Development and food consumption patterns in rural Sierra Leone. Smith VE, et al. **Food Nutr (Roma)** 1981;7(2):24-32
Rapid development of large numbers of alpha-fetoprotein-containing 'oval' cells in the liver of rats fed N-2-fluorenylacetamide in a choline-devoid diet. Sell S, et al. **Gan** 1981 Aug;72(4):479-87
Optimal dietary conditions for hemoccult testing. Macrae FA, et al. **Gastroenterology** 1982 May;82(5 Pt 1):899-903
Whole body leucine metabolism in adolescents with Crohn's disease and growth failure during nutritional supplementation. Motil KJ, et al. **Gastroenterology** 1982 Jun;82(6):1359-68
Role of gastric acid in food iron absorption. Skikne BS, et al. **Gastroenterology** 1981 Dec;81(6):1068-71
Dietary fiber: is it really helpful? Burkitt DP. **Geriatrics** 1982 Jan;37(1):119-26
Getting elderly patients to eat properly. Schaffer JB. **Geriatrics** 1981 Oct;36(10):76-82
Substrate changes during fasting and refeeding contrasted in old and young rats. Poland JL, et al. **Gerontology** 1982; 28(2):99-103
Age-related differences in dietary regulation of lipogenic enzymes in rat liver. Boll M, et al. **Hoppe Seylers Z Physiol Chem** 1982 Jan;363(1):103-6
Insulin and glucagon binding to hepatocytes in relation to circulating hormones and metabolites in goats maintained on different diets. Gill RD, et al. **Horm Metab Res** 1981 Nov;13(11):603-9
Influence of dietary sex hormones on chick lipid metabolism. Leszczynski DE, et al. **Horm Metab Res** 1982 Apr; 14(4):183-9
Effect of different drinks on the absorption of non-heme iron from composite meals. Hallberg L, et al. **Hum Nutr Appl Nutr** 1982 Apr;36(2):116-23
Relation of habitual diet to fasting plasma insulin concentration and the insulin response to oral glucose. Thomas BJ, et al. **Hum Nutr Clin Nutr** 1982;36C(1):49-56
Current perspectives in hypertension. A symposium on food, nutrition, and health. Princeton, New Jersey, March 29-31, 1962. **Hypertension** 1982 Sep-Oct;4(5 Pt 2):III1-183
Demographic, dietary, life style, and anthropometric correlates of blood pressure. Stanton JL, et al. **Hypertension** 1982 Sep-Oct;4(5 Pt 2):III135-42
Effect of wheat and Bengal gram diets on glutamic acid metabolism in rat brain. Agarwal KN, et al. **Indian J Med Res** 1981 Mar;73:350-6
Dietary intakes of urban and rural pregnant, lactating and non-pregnant, non-lactating vegetarian women of Varanasi. Bhatia BD, et al. **Indian J Med Res** 1981 Nov; 74:680-7
Maternal beliefs regarding diet during acute diarrhea. Kumar V, et al. **Indian J Pediatr** 1981 Sep-Oct;48(394):599-603
Inhibitory effect of dietary soybean meal on the establishment of a Clostridium strain in the gastrointestinal tract of mice. Lhuillery C, et al. **Infect Immun** 1982 May;36(2):621-7
A note on the role of dietary retinol and carotene in human gastro-intestinal cancer. Modan B, et al. **Int J Cancer** 1981 Oct 15;28(4):421-4
Bachelor scurvy. Connelly TJ, et al. **Int J Dermatol** 1982 May;21(4):209-11

Effect of exercise-diet manipulation on muscle glycogen and its subsequent utilization during performance. Sherman WM, et al. **Int J Sports Med** 1981 May;2(2):114–8

Milk, cellular equilibrium and nutritional evolution. Clarke HC. **Int J Vitam Nutr Res** 1981;51(3):293–6

Influence of physical activity on the thermic effect of food in young men. Samueloff S, et al. **Isr J Med Sci** 1982 Jan; 18(1):193–6

Preconception selection of sex in man. Stolkowski J, et al. **Isr J Med Sci** 1981 Nov;17(11):1061–7

Nutrition for oral health. **J Am Dent Assoc** 1982;Spec No:11C–2C

A diet counseling program. Katz S. **J Am Dent Assoc** 1981 Jun;102(6):840–5

Rationale for nutritional requirements for patients on continuous ambulatory peritoneal dialysis. Bodnar DM. **J Am Diet Assoc** 1982 Mar;80(3):247–9

Phytate:zinc molar ratio, mineral, and fiber content of three hospital diets. Ellis R, et al. **J Am Diet Assoc** 1982 Jul; 81(1):26–9

Evaluating a nutrition and dental health conference. Hertzler AA, et al. **J Am Diet Assoc** 1982 Feb;80(2):154–6

Agreement between dietary interviews. Karvetti RL, et al. **J Am Diet Assoc** 1981 Dec;79(6):654–60

Diet and ethanol intake during pregnancy. Lillien LJ, et al. **J Am Diet Assoc** 1982 Sep;81(3):252–7

Calculates vs. analyzed composition of four modified fat diets. Formulated to study effects in human subjects of kind and amount of dietary fat. Marshall MW, et al. **J Am Diet Assoc** 1982 Jun;80(6):537–49

Calculating dietary iron bioavailability: refinement and computerization. Monsen ER, et al. **J Am Diet Assoc** 1982 Apr;80(4):307–11

Three generations of Armenians: food habits and dietary status. Nalbandian A, et al. **J Am Diet Assoc** 1981 Dec; 79(6):694–9

Variations in dietary intake after bypass surgery for obesity. Possible relation to development of fatty liver after jejunoileal bypass. Rogus J, et al. **J Am Diet Assoc** 1981 Oct;79(4):437–40

Social-psychological factors in the dietary quality of married and single elderly. Schafer RB, et al. **J Am Diet Assoc** 1982 Jul;81(1):30–4

A dietary survey of 14 Wisconsin nursing homes. Sempos CT, et al. **J Am Diet Assoc** 1982 Jul;81(1):35–40

Factors affecting the bioavailability of zinc. Solomons NW. **J Am Diet Assoc** 1982 Feb;80(2):115–21 (63 ref.)

Food system for Space Shuttle Columbia. Stadler CR, et al. **J Am Diet Assoc** 1982 Feb;80(2):108–14

Effect of diet on the oral glucose tolerance test in the horse. Jacobs KA, et al. **J Am Vet Med Assoc** 1982 Apr 15; 180(8):884–6

Nutritional aspects of cancer prevention: an overview. Silverman J. **J Am Vet Med Assoc** 1981 Dec 15; 179(12):1404–9 (100 ref.)

Effect of heat increment and level of dietary energy and environmental temperature on the performance of growing-finishing swine. Coffey MT, et al. **J Anim Sci** 1982 Jan;54(1):95–105

Nutrient digestibility and performance of pigs fed sorghums varying in tannin concentration. Cousins BW, et al. **J Anim Sci** 1981 Dec;53(6):1524–37

Feed intake, rumen fluid volume and turnover, nitrogen and mineral balance and acid-base status of wethers changed from low to high concentrate diets. Huntington GB, et al. **J Anim Sci** 1981 Jun;52(6):1376–87

Dietary Calcium and phosphorus levels for reproducing sows. Mahan DC, et al. **J Anim Sci** 1982 Feb;54(2):285–91

Iron requirements of baby pigs reared in germ-free or conventional environments on a condensed milk diet. Miller ER, et al. **J Anim Sci** 1982 Jan;54(1):106–15

Simulated effect of calving season and winter hay feeding level on cow herd productivity. Nelsen TC, et al. **J Anim Sci** 1982 Jan;54(1):29–34

Rumen and fecal tungstic acid precipitable nitrogen and total amino nitrogen in cows fed complete diets. Zometa CA, et al. **J Anim Sci** 1982 Feb;54(2):403–9

Effect of diet and exercise on norepinephrine-induced thermogenesis in male and female rats. Leblanc J, et al. **J Appl Physiol** 1982 Mar;52(3):556–61

Minerals in the hair and nutrient intake of autistic children. Shearer TR, et al. **J Autism Dev Disord** 1982 Mar; 12(1):25–34

Role of pancreatic hormones in dietary induction of ornithine decarboxylase of rat liver. Murakami Y, et al. **J Biochem (Tokyo)** 1981 Jul;90(1):141–7

The origin of dolichol in the liver of the rat. Determination of the dietary contribution. Keller RK, et al. **J Biol Chem** 1982 Aug 10;257(15):8985–9

Effect of diet and cold exposure on norepinephrine turnover in brown adipose tissue of the rat. Young JB, et al. **J Clin Invest** 1982 May;69(5):1061–71

Dietary consideration in MAO inhibitor regimens. McCabe B, et al. **J Clin Psychiatry** 1982 May;43(5):178–81

A further study of the effects of feeding 45 per cent dried poultry battery waste on the health of lambs. Suttle NF, et al. **J Comp Pathol** 1981 Oct;91(4):545–51

Effect of nutrition on fertility and blood composition in the milk cow. Bogin E, et al. **J Dairy Res** 1982 Feb;49(1):13–23

Effect of intravenous supplements of L-methionine on milk yield and composition in cows given silage-cereal diets. Chamberlain DG, et al. **J Dairy Res** 1982 Feb;49(1):25–8

Selected blood chemistry and hematologic characteristics in milk-fed and conventionally fed calves. Bradley BD, et al. **J Dairy Sci** 1982 Jun;65(6):1036–40

Effects of alternating high and medium concentrate diets on fermentation in a semi-continuous rumen culture system. Goetsch AL, et al. **J Dairy Sci** 1982 Apr;65(4):675–9

Factors influencing intake of high urea-containing rations by lactating dairy cows. Kertz AF, et al. **J Dairy Sci** 1982 Apr;65(4):587–604

Interactions of sires with feeding and management factors in Illinois Holstein cows. Mohammad WA, et al. **J Dairy Sci** 1982 Apr;65(4):625–31

Aswan nutriture survey. IV — Diet intake and food habits. Said AK, et al. **J Egypt Public Health Assoc** 1980; 55(1–2):1–8

Effect of larval and adult diet on the development of Parasarcophaga argyrostoma (Robineau-Desvoidy). Zohdy N, et al. **J Egypt Soc Parasitol** 1982 Jun;12(1):191–8

Toxicological response of rats fed Lake Ontario or Pacific Coho salmon for 28 days. Villeneuve DC, et al. **J Environ Sci Health [B]** 1981;B16(6):649–89

Low-calorie diet selectively reduces expression of retroviral envelope glycoprotein gp70 in sera of NZB x NZW F1 hybrid mice. Izui S, et al. **J Exp Med** 1981 Oct 1; 154(4):1116–24

Relative effects of exercise, diet, and female stimulation on sexual aging of male mice. Bronson FH. **J Gerontol** 1982 Sep;37(5):555–9

A healthier America through diet. Ries G. **J Iowa Med Soc** 1981 Oct;71(10):443–4

Response of small intestinal flora to elemental diet and pancreatic duct ligation in vervet monkey. Gyr K, et al. **J Med Primatol** 1981;10(1):46–51

Effect of estrogen implants on hepatic lipid deposition in chicks fed different isonitrogenous and isocaloric diets. Akiba Y, et al. **J Nutr** 1982 Jan;112(1):189–96

Plasma estradiol, thyroid hormones, and liver lipid content in laying hens fed different isocaloric diets. Akiba Y, et al. **J Nutr** 1982 Feb;112(2):299–308

Effect of starvation and diet composition on two pathways of L-serine metabolism in isolated rat hepatocytes. Beliveau GP, et al. **J Nutr** 1982 Apr;112(4):686–96

Nutritional studies in the weanling rat with normophagic hypothalamic obesity. Bernardis LL, et al. **J Nutr** 1982 Jul;112(7):1441–55

Quantitative and qualitative circadian variations of amino acid intestinal efflux in mixed-fed and in protein-meal-fed rats. Bourdel G, et al. **J Nutr** 1981 Sep;111(9):1528–35

Circadian variations of liver free amino acid content in mixed-fed and protein-meal-fed rats. Bourdel G, et al. **J Nutr** 1981 Sep;111(9):1536–42

Involvement of food intake and amino acid catabolism in the branched-chain amino acid antagonism in chicks. Calvert CC, et al. **J Nutr** 1982 Apr;112(4):627–35

Non-essential role of dietary factors in the development of diabetes in ob/ob mice. Dubuc PU. **J Nutr** 1981 Oct; 111(10):1742–8

Prolonged consumption by infants of wheat-based diets with and without casein or lysine supplementation. Graham GG, et al. **J Nutr** 1981 Nov;111(11):1917–27

Mild zinc deficiency and undernutrition during the prenatal and postnatal periods in rats: effects on weight, food consumption, and brain catecholamine concentrations. Halas ES, et al. **J Nutr** 1982 Mar;112(3):542–51

Protein requirements of young Chinese male adults on ordinary Chinese mixed diet and egg diet at ordinary levels of energy intake. Huang PC, et al. **J Nutr** 1982 May; 112(5):897–907

Diet and biosynthesis as sources of taurine in the mouse. Huxtable RJ, et al. **J Nutr** 1982 May;112(5):1003–10

Effect of dietary level of ascorbic acid on the growth, hepatic lipid peroxidation, and serum lipids in guinea pigs fed polychlorinated biphenyls. Kato N, et al. **J Nutr** 1981 Oct; 111(10):1727–33

Effects of plane of nutrition on organ size and fasting heat production in pigs. Koong LJ, et al. **J Nutr** 1982 Aug; 112(8):1638–42

Response of glutathione peroxidase and catalase to excess dietary iron in rats. Lee YH, et al. **J Nutr** 1981 Dec; 111(12):2195–202

Dietary minerals modify the food intake suppressing effects of high casein diets fed to rats. Li ET, et al. **J Nutr** 1982 Apr;112(4):717–21

Glycogen content and repletion rates in beef muscle, effect of feeding and fasting. McVeigh JM, et al. **J Nutr** 1982 Jul;112(7):1306–14

Cholesterolemic responses of rats to human-type diet ingredients. O'Brien BC, et al. **J Nutr** 1982 Aug; 112(8):1490–7

Influence of diet on amino acid absorption in beef cattle and sheep. Prior RL, et al. **J Nutr** 1981 Dec;111(12):2212–22

Effects of feeding a 'cafeteria' diet on energy balance and diet-induced thermogenesis in four strains of rat. Rothwell NJ, et al. **J Nutr** 1982 Aug;112(8):1515–24

Role of insulin in food intake, weight gain and lipid deposition in the Zucker obese rat. Stolz DJ, et al. **J Nutr** 1982 May;112(5):997–1002

Food intake, growth and tissue amino acid concentrations in lean and obese (ob/ob) mice fed a threonine-imbalanced diet. Tews JK, et al. **J Nutr** 1982 Sep;112(9):1673–81

Influence of dietary zinc on rat brain catecholamines. Wallwork JC, et al. **J Nutr** 1982 Mar;112(3):514–9

Effects of diet composition and adrenalectomy on the lipogenic responses of rats to starvation-refeeding. Williams BH, et al. **J Nutr** 1982 Mar;112(3):534–41

On the separation of the intervention effects of diet and antismoking advice on the incidence of major coronary events in coronary high risk men. The Oslo Study. Holme I. **J Oslo City Hosp** 1982 Mar-Apr;32(3–4):31–54

Influence of postnatal age, energy intake, and weight gain on energy metabolism in the very low-birth-weight infant. Chessex P, et al. **J Pediatr** 1981 Nov;99(5):761–6

Effect of diet on protein degrading activity in the sheep rumen. Siddons RC, et al. **J Sci Food Agric** 1981 Oct; 32(10):973–81

Maternal diet, breast feeding and infants' growth. A field study in the Ivory Coast (West Africa). Reinhardt MC, et al. **J Trop Pediatr** 1981 Oct;27(5):229–36

Effect of meat pm BP [letter] Burstyn P. **JAMA** 1982 Jul 2;248(1):29–30

Switch to soy protein for boring but healthful diet [news] Check WA. **JAMA** 1982 Jun 11;247(22):3045–6

And if you add chromium, that's even better [news] Check WA. **JAMA** 1982 Jun 11;247(22):3046–7

It's not fishy: fruit of the sea may foil cardiovascular disease [news] Gunby P. **JAMA** 1982 Feb 12;247(6):729–31

Other preventive roles explored for 'fish oil' [news] Gunby P. **JAMA** 1982 Feb 12;247(6):731

'Scalded sardine' scurvy [letter] Herbert V. **JAMA** 1981 Nov 13;246(19):2155–6

Cholesterol and cancer [letter] Heyden S. **JAMA** 1982 Jan 1;247(1):26

Pritikin vs AHA diet: no difference for peripheral vascular disease [news] Korcok M. **JAMA** 1981 Oct 23-30; 246(17):1871

The flip side of obesity: those who undereat [news] Korcok M. **JAMA** 1982 Jan 22-29;247(4):421–2

Food peptides. A new class of hormones? Morley JE. **JAMA** 1982 May 7;247(17):2379–80

Glutathione S-transferase activity: enhancement by compounds inhibiting chemical carcinogenesis and by dietary constituents. Sparnins VL, et al. **JNCI** 1982 Mar; 68(3):493–6

Esophageal cancer among black men in Washington, D.C. II. Role of nutrition. Ziegler RG, et al. **JNCI** 1981 Dec; 67(6):1199–206

Breastfeeding twins: maternal-infant nutrition. Leonard LG. **JOGN Nurs** 1982 May-Jun;11(3):148–53

Energy intake and the appearance of 5,8,11-eicosatrienoic acid in serum lipids during parenteral nutrition without fat. Nubé M, et al. **JPEN** 1982 Mar-Apr;6(2):134–9

Dietary risk factors of stroke and hypertension in Japan — Part 3: Comparative study on risk factors between farming and fishing villages in japan. Yamori Y, et al. **Jpn Circ J** 1982 Sep;46(9):944–7

Potassium recycling in the renal medulla: effects of acute potassium chloride administration to rats fed a potassium-free diet. Arrascue JF, et al. **Kidney Int** 1981 Sep;20(3):348–52

Bowl for feeding powdered diet to rats. Thomsen L. **Lab Anim** 1981 Apr;15(2):177–8

Long-term experiments with a newly-developed standardized diet for the New World primates Callithrix jacchus jacchus and Callithrix jacchus penicillata (marmosets). Wirth H, et al. **Lab Anim** 1982 Apr; 16(2):175–81

Dietary goitrogens [letter] **Lancet** 1982 Sep 4;2(8297):552

Diet and all-causes death rate [letter] **Lancet** 1981 Nov 7; 2(8254):1047–8

Experience with a practical food pattern to reduce heart disease [letter] Brown HB, et al. **Lancet** 1982 Apr 3; 1(8275):792–3

Re-analysis of data in two Lancet papers on the effect of dietary sodium and potassium on blood pressure. Holly JM, et al. **Lancet** 1981 Dec 19–26;2(8260–61):1384–7

Meat and fat consumption and cancer mortality: A study of strict religious orders in Britain. Kinlen LJ. **Lancet** 1982 Apr 24;1(8278):946–9

Towards an improved lipid-lowering diet: additive effects of changes in nutrient intake. Lewis B, et al. **Lancet** 1981 Dec 12;2(8259):1310–3

Diurnal variation of erythrocyte sedimentation rate related to feeding [letter] Mallya RK, et al. **Lancet** 1982 Feb 13; 1(8268):389–90

Changing the national diet to reduce coronary heart disease [letter] Marr JW, et al. **Lancet** 1982 Jan 23;1(8265):217–8

Changing the national diet to reduce coronary heart disease [letter] Marr JW, et al. **Lancet** 1982 Jun 26;1(8287):1465

Practical low-fat diets [letter] Robbins C, et al. **Lancet** 1982 Feb 27;1(8270):505–6

Dietary vitamin A and risk of cancer in the Western Electric study. Shekelle RB, et al. **Lancet** 1981 Nov 28; 2(8257):1186–90

Icosapentaenoic acid and ischemic heart disease [letter] Sinclair H. **Lancet** 1982 Aug 14;2(8294):393

Effects of 11-week increases in dietary eicosapentaenoic acid on bleeding time, lipids, and platelet aggregation. Thorngren M, et al. **Lancet** 1981 Nov 28;2(8257):1190–3

Dietary adaptation of taurine transport by rat renal epithelium. Friedman A, et al. **Life Sci** 1981 Dec 7; 29(23):2415–9

Restricted food intake limits brown adipose tissue hypertrophy in cold exposure. Johnson TS, et al. **Life Sci** 1982 Apr 26;30(17):1423–6

Effect of diet on the weight of brown adipose tissue in rodents. Teague RJ, et al. **Life Sci** 1981 Oct 12; 29(15):1531–6

Dietary GABA decreases body weight of genetically obese mice. Tews JK. **Life Sci** 1981 Dec 14;29(24):2535–42

Characteristics of diet–induced brown adipose tissue growth and thermogenesis in rats. Tulp OL, et al. **Life Sci** 1982 May 3;30(18):1525–30

Utilization and metabolism of dietary sterols in the honey bee and the yellow fever mosquito. Svoboda JA, et al. **Lipids** 1982 Mar;17(3):220–5

The influence of a low magnesium diet on some enzymes' activity in mucosa of rat's jejunum. Wutzen J, et al. **Mater Med Pol** 1981 Jan–Mar;13(1):49–53

Histological changes in mucosa of rat's jejunum, caused by a low magnesium diet. Wutzen J, et al. **Mater Med Pol** 1981 Jan–Mar;13(1):45–8

Diet and urinary excretion of lignans in female subjects. Adlercreutz H, et al. **Med Biol** 1981 Aug;59(4):259–61

Aldosterone and the Gerson diet — a speculation. McCarty MF. **Med Hypotheses** 1981 May;7(5):591–7

A hypothesis on the etiological role of diet on age of menarche. Sanchez A, et al. **Med Hypotheses** 1981 Nov; 7(11):1339–45

Diet and coronary heart disease: a survey of female mortality rates and food consumption statistics of 21 countries. Seely S. **Med Hypotheses** 1981 Sep;7(9):1133–7

The consumption of seaweed as a protective factor in the etiology of breast cancer. Teas J. **Med Hypotheses** 1981 May;7(5):601–13

Comparison of nutrient intake in middle–aged men and women runners and controls. Blair SN, et al. **Med Sci Sports Exerc** 1981;13(5):310–5

Dietary myo–inositol intake and peripheral nerve function in diabetic neuropathy. Clements RS Jr, et al. **Metabolism** 1979 Apr;28(4 Suppl 1):477–83

Initiation, duration and dissipation of diet–induced changes in sympathetic nervous system activity in the rat. Rappaport EB, et al. **Metabolism** 1982 Feb;31(2):143–6

Differing thyrotropin responses to increased serum triiodothyronine concentrations produced by overfeeding and by triiodothyronine administration. Utiger RD. **Metabolism** 1982 Feb;31(2):180–3

Jack Spratt's legacy [letter] **N Engl J Med** 1981 Dec 10; 305(24):1478–9

Effect of diet on serum lipoproteins in a population with a high risk of coronary heart disease. Ehnholm C, et al. **N Engl J Med** 1982 Sep 30;307(14):850–5

Diet, fat accretion, and growth in premature infants. Reichman B, et al. **N Engl J Med** 1981 Dec 17; 305(25):1495–500

Western diets and faecal nitrosamines [letter] Potter JD. **Nature** 1982 Apr 22;296(5859):780

Carbon isotope ratios of apatite from fossil bone cannot be used to reconstruct diets of animals. Schoeninger MJ, et al. **Nature** 1982 Jun 17;297(5867):577–8

Effects of overfeeding on energy balance and brown fat thermogenesis in obese (ob/ob) mice. Trayhurn P, et al. **Nature** 1982 Jan 28;295(5847):323–5

Elevated blood pressure among Harlem residents. Brown AL, et al. **Nurse Pract** 1982 Mar;7(3):26–9, 33–5, 58

IUNS workshop on Nutrition and Cancer. Proceedings. **Nutr Cancer** 1981;2(4):197–261

Improved host defense against L1210 leukemia by deprivation of dietary phenylalanine. Pine MJ. **Nutr Cancer** 1981;3(2):94–102

Nutrition in dental practice—a plea for sanity. Alfano MC. **NY State Dent J** 1981 Oct;47(8):450–2

Dental nutritional guidelines for the 1980's. Burakoff RP, et al. **NY State Dent J** 1981 Oct;47(8):447–8

Dietary patterns and coronary heart disease in New Zealand. Amarasingham R. **NZ Med J** 1982 Feb 10;95(701):79–82

The role of dairy products in the New Zealand diet. Birkbeck JA. **NZ Med J** 1981 Nov 25;94(696):386–7

The preschool child in Suka Village, North Sumatera. I. Feeding practices and measured food intake. Kusin JA, et al. **Paediatr Indones** 1981 Jul–Aug;21(7–8):147–60

Gastric emptying in prematures of isocaloric feedings with differing osmolalities. Siegel M, et al. **Pediatr Res** 1982 Feb; 16(2):141–7

Diet and theophylline [letter] **Pediatrics** 1981 Oct;68(4):600–3

Theophylline and diet [letter] Koren G. **Pediatrics** 1981 Nov; 68(5):746–7

Diet and coronary artery disease—why the controversy? Zelis R. **Penn Med** 1982 Feb;85(2):55–8 (22 ref.)

Dietary tryptophan reversal of septal lesion and 5,7–DHT lesion elicited shock–induced fighting. Kantak KM, et al. **Pharmacol Biochem Behav** 1981 Sep;15(3):343–50

Influence of diet palatability on noradrenergic feeding response in the rat. Sclafani A, et al. **Pharmacol Biochem Behav** 1981 Jul;15(1):15–9

Ethanol–Metrecal diets: I. effects of different levels of ethanol–derived kilocalories on consumption of diet, body weight and grams of ethanol ingested. Tombaugh TN, et al. **Pharmacol Biochem Behav** 1981 Sep;15(3):455–62

Drug and food–deprivation modulation of activity in rats given chronic dietary lead: significance of type of activity measure. Yamamoto BK, et al. **Pharmacol Biochem Behav** 1981 Sep;15(3):505–12

Dietary dilution and intake in the cat. Castonguay TW. **Physiol Behav** 1981 Sep;27(3):547–9

Overeating, dietary selection patterns and sucrose intake in growing rats. Hirsch E, et al. **Physiol Behav** 1982 May; 28(5):819–28

Pattern of dietary self–selection in VMH–lesioned rats. Kanarek RB, et al. **Physiol Behav** 1981 Aug;27(2):337–43

Protein and energy consumption, plasma amino acid ratios, and brain neurotransmitter concentrations. Peters JC, et al. **Physiol Behav** 1981 Aug;27(2):287–98

Opiate receptors, food intake and obesity. Shimomura Y, et al. **Physiol Behav** 1982 Mar;28(3):441–5

Flavor preferences, food intake, and weight gain in baboons (Papio sp.). Wene JD, et al. **Physiol Behav** 1982 Mar; 28(3):569–73

Dietary effects on selenite toxicity in the chick. El–Begearmi MM, et al. **Poult Sci** 1982 Apr;61(4):770–6

Effects of gradation in protein–calorie restriction on the hypothalo–pituitary–gonadal axis in young domestic fowl. Buonomo FC, et al. **Poult Sci** 1982 Apr;61(4):800–3

Influence of dietary selenium on performance, tissue selenium content, and plasma concentrations of selenium–dependent glutathione peroxidase, vitamin E, and ascorbic acid in ducklings. Dean WF, et al. **Poult Sci** 1981 Dec; 60(12):2655–63

Dietary factors affecting experimental models of nutritional encephalomalacia. Dror Y, et al. **Poult Sci** 1982 Jan; 61(1):84–93

The physiological effects of feeding warfarin poultry. Veltmann JR Jr, et al. **Poult Sci** 1981 Dec;60(12):2603–11

Diet and hormone profiles in teenage girls in four countries at different risk for breast cancer. Gray GE, et al. **Prev Med** 1982 Jan;11(1):108–13

Action of food restriction in delaying the aging process. Masoro EJ, et al. **Proc Natl Acad Sci USA** 1982 Jul; 79(13):4239–41

Modification of age–related immune decline in mice dietarily restricted from or after midadulthood. Weindruch R, et al. **Proc Natl Acad Sci USA** 1982 Feb;79(3):898–902

Effect of cholecystokinin octapeptide on food intake in pigs. Baldwin BA, et al. **Proc Nutr Soc** 1982 Jun;41(2):119–21

Regulation of energy balance: studies on genetic, hypothalamic and dietary obesity. Bray GA. **Proc Nutr Soc** 1982 Jun;41(2):95–108 (65 ref.)

The role of the liver in the control of food intake. Forbes JM. **Proc Nutr Soc** 1982 Jun;41(2):123–6 (18 ref.)

The part played by variation of energy expenditure in the regulation of energy balance. Hervey GR, et al. **Proc Nutr Soc** 1982 Jun;41(2):137–53 (43 ref.)

Factors affecting energy expenditure. Miller DS. **Proc Nutr Soc** 1982 Jun;41(2):193–202 (37 ref.)

The interrelationship between metabolic regulation, weight control and obesity. Newsholme EA. **Proc Nutr Soc** 1982 Jun;41(2):183–91 (19 ref.)

Reflexions on energy balance. Passmore R. **Proc Nutr Soc** 1982 Jun;41(2):161–5

How flavour and appearance affect human feeding. Rolls BJ, et al. **Proc Nutr Soc** 1982 Jun;41(2):109–17 (21 ref.)

Evidence for diet–induced thermogenesis in hyperphagic cafeteria–fed rats. Stock MJ, et al. **Proc Nutr Soc** 1982 Jun;41(2):133–5

Reduced organ growth when hyperphagia is prevented in genetically obese (fa/fa) Zucker rats. Cleary MP, et al. **Proc Soc Exp Biol Med** 1981 Sep;167(4):616–23

Effect of weight–reducing diet on the blood pressure of spontaneously hypertensive rats. Notargiacomo AV, et al. **Proc Soc Exp Biol Med** 1981 Sep;167(4):612–5

Serum lipid and lipoprotein in infants and children and their relationship with diet. Berenson GS, et al. **Prog Clin Biol Res** 1981;61:73–94

Hypercholesterolemia: genetic, dietary, and pharmacologic interrelationships. Levy RI. **Prog Clin Biol Res** 1981; 67:351–60 (16 ref.)

Effects of diet on blood clotting and platelet aggregation. Renaud S, et al. **Prog Clin Biol Res** 1981;67:361–81 (26 ref.)

Nutrition, brain function and behavior. Strain GW. **Psychiatr Clin North Am** 1981 Aug;4(2):253–68 (126 ref.)

Effects of diet and acute noradrenaline treatment on brown adipose tissue development and mitochondrial purine–nucleotide binding. Brooks SL, et al. **Q J Exp Physiol** 1982 Apr;67(2):259–68

Some effects of diet on the mitotic index and the cell cycle of the ruminal epithelium of sheep. Goodlad RA. **Q J Exp Physiol** 1981 Oct;66(4):487–99

Nutrition and multi–ethnic groups. Qureshi BA. **R Soc Health J** 1981 Oct;101(5):187–9, 195

Bombesin–like immunoreactivity in rat brain and gastrointestinal tract: influence of diet and starvation. Soveny C, et al. **Regul Pept** 1982 Mar;3(3–4):325–31

Intestinal lead absorption in rats: effects of circadian rhythm, food, undernourishment, and drugs which alter gastric emptying and GI motility. Aungst BJ, et al. **Res Commun Chem Pathol Pharmacol** 1981 Dec; 34(3):515–30

Interactions among dietary pattern, physical activity and skinfold thickness. Blair SN, et al. **Res Q Exerc Sport** 1981 Dec;52(4):505–11

Incidence of rotavirus in artificially reared pigs and some effects of diarrhoea on the physiology and histology of the gastrointestinal tract. Newport MJ, et al. **Res Vet Sci** 1982 Jan;32(1):48–51

Western diseases and their emergence related to diet. Burkitt DP. **S Afr Med J** 1982 Jun 26;61(26):1013–5

Selenium in human hair in relation to age, diet, pathological condition and serum levels. Thimaya S, et al. **Sci Total Environ** 1982 May;24(1):41–9

Hydrogen isotope ratios of mouse tissues are influenced by a variety of factors other than diet [letter] DeNiro MJ, et al. **Science** 1981 Dec 18;214(4527):1374–6

Dietary restriction retards the age–associated loss of rat striatal dopaminergic receptors. Levin P, et al. **Science** 1981 Oct 30;214(4520):561–2

Food fuels reproductive success [news] Lewin R. **Science** 1982 Jul 16;217(4556):238–9

'Cancer is not inevitable' [news] Maugh TH. **Science** 1982 Jul 2;217(4554):36–7

Dietary restriction in mice beginning at 1 year of age: effect on life–span and spontaneous cancer incidence. Weindruch R, et al. **Science** 1982 Mar 12;215(4538):1415–8

The role of nutrition in the pathogenesis of alcoholic liver disease. Jacobs RM, et al. **Semin Liver Dis** 1981 Aug; 1(3):244–53 (114 ref.)

Carbohydrate metabolism in thyrotoxicosis, with special reference to its relation to calorie intake. Sato T, et al. **Tohoku J Exp Med** 1982 Mar;136(3):343–8

Regional difference in sodium chloride content in home–made and store–bought preparations of miso paste. Watanabe T, et al. **Tohoku J Exp Med** 1982 Jul; 137(3):305–13

Dietary influences on theobromine–induced toxicity in rats. Gans JH. **Toxicol Appl Pharmacol** 1982 Apr;63(2):312–20

Seasonal variations in ascorbic acid status and breast milk ascorbic acid levels in rural Gambian women in relation to dietary intake. Bates CJ, et al. **Trans R Soc Trop Med Hyg** 1982;76(3):341–7

Comparison between a purified and standard diet on FANFT–induced murine bladder cancer. Soloway MS, et al. **Urology** 1981 Nov;18(5):482–4

Effects of dietary changes on alkalinization of urine pH. Rauber AP, et al. **Vet Hum Toxicol** 1981;23(Suppl 1):46–7

Hardened calcined magnesite–molasses block for preventing hypomagnesaemia in beef cows. McMurray CH, et al. **Vet Rec** 1981 Nov 21;109(21):471–2

Diet and dental health, a study of relationships: United States, 1971–74. Burt BA, et al. **Vital Health Stat [11]** 1982; 11(225):1–85

Plantix (fiber) deficiency in animal physiopathology. Laplace JP, et al. **World Rev Nutr Diet** 1981;37:84–176 (540 ref.)

The effect of dietary composition on transit time in rats. Raczynski G, et al. **Z Tierphysiol Tiernahr Futtermittelkd** 1982;47(3):160–7

[The relationship between different types of diet and blood cholesterol (author's transl)] Gao L, et al. **Chung Hua Yu Fang I Hsueh Tsa Chih** 1981 Jan;15(1):38–40 **(Chi)**

[K, Na, Ca and Mg contents in the diet of Nanjing workers (author's transl)] Zheng GJ, et al. **Chung Kuo Yao Li Hsueh Pao** 1982 Jun;3(2):142–4 **(Eng. Abstr.) (Chi)**

[On the question of energy requirement (author's transl)] Gu JF. **Sheng Li Ko Hsueh Chin Chan** 1981 Oct 25;12(4):341–5 **(Chi)**

[The prevention of atherosclerosis by foods (author's transl)] Xiao JT. **Sheng Li Ko Hsueh Chin Chan** 1981 Feb; 12(2):160–3 **(Chi)**

[Nutritional value of the diet and food serving–size in nursery schools and in the home] Singer L, et al. **Cesk Pediatr** 1981 Apr;36(4):214–7 (Eng. Abstr.) **(Cze)**

[Sodium chloride metabolism in a group of men] Poulsen LO, et al. **Ugeskr Laeger** 1981;143(34):2138–41 **(Eng. Abstr.) (Dan)**

[Gastric partitioning in the treatment of obesity] Quaade F. **Ugeskr Laeger** 1982 Feb 8;144(6):373–5 (Eng. Abstr.) **(Dan)**

[Epidemiology of stomach carcinoma] Berkel J, et al. **Ned Tijdschr Geneeskd** 1982 Jun 26;126(26):1164–72 **(Eng. Abstr.) (Dut)**

[Nutrition and heart diseases, an insurance with only partial coverage?] Brussaard JH, et al. **Ned Tijdschr Geneeskd** 1982 Feb 13;126(7):291–6 **(Dut)**

[Dietary situation in the fourth world] de La Selle P. **Acquis Med Recent** 1981;198:89–99 **(Fre)**

[Trial of world typology of models of dietary consumption] Malassis L, et al. **Acquis Med Recent** 1981;198:57–68 **(Fre)**

[The influence of diet on the urinary excretion of total, free and conjugated non–dialysable hydroxyproline in the normal adult (author's transl)] Pilonchery G, et al. **Ann Biol Clin (Paris)** 1982;40(1):17–22 (Eng. Abstr.) **(Fre)**

[Influence of nutritional factors on the enhancement of renal compensatory hypertrophy by hyperadrenocorticism in the rat (author's transl)] Reville P, et al. **Ann Endocrinol (Paris)** 1981 Jul–Sep;42(3):251–63 **(Eng. Abstr.) (Fre)**

[Negative relation between sodium intake and prolactinaemia in the normal subject (author's transl)] Rohmer V, et al. **Ann Endocrinol (Paris)** 1981 Jul–Sep;42(3):195–203 **(Eng. Abstr.) (Fre)**

[Relation between salt intake and systolic pressure in children and adolescents] André JL, et al. **Arch Mal Coeur** 1982 Jun;75 Spec No:9–13 (Eng. Abstr.) **(Fre)**

[Experimental reproduction of the process of alteration of the dental surface by abrasive and non–abrasive friction: application to the study of the diet of early man] Puech PF, et al. **C R Seances Acad Sci [III]** 1981 Nov 9;

293(9):497–502 (Eng. Abstr.) **(Fre)**

[Dietary regulation of oligosaccharidase activity in intestinal brush border] Cezard JP. **Gastroenterol Clin Biol** 1982 May; 6(5):419–20 **(Fre)**

[Influence of the dietary level of vitamin B6 on the vitamin nutritional status of the lactating rat and the litter (author's transl)] Hammoudia F, et al. **Int J Vitam Nutr Res** 1981; 51(3):223–31 (Eng. Abstr.) **(Fre)**

[Effect of prolonged consumption of lactose or hydrolyzed lactose in the rat. 2. Digestibility, retention and utilization of lactose components] Poiffait A, et al. **Int J Vitam Nutr Res** 1982;52(1):96–101 (Eng. Abstr.) **(Fre)**

[Anthropometric nutritional indices and food intake of a child population of South Ivory Coast (author's transl)] Schoepfer M, et al. **Med Trop (Mars)** 1981 Jul–Aug; 41(4):393–402 (Eng. Abstr.) **(Fre)**

[Basic concepts of dietetics in oral surgery] Descriaud S. **Rev Odontostomatol (Paris)** 1982 Mar–Apr;11(2):119–27 **(Fre)**

[Nutritional aberrations of modern civilization in the Western Pacific] Gattereau A. **Union Med Can** 1982 Apr; 111(4):391–4 (Eng. Abstr.) **(Fre)**

[Alpha amylase and dehydrogenase activity in suboptimal Ni intake] Kirchgessner M, et al. **Ann Nutr Metab** 1981; 25(5):307–10 (Eng. Abstr.) **(Ger)**

[Hematologic changes in nutritional lead deficiency] Reichlmayr-Lais AM, et al. **Ann Nutr Metab** 1981; 25(5):281–8 (Eng. Abstr.) **(Ger)**

[Effects of animal age and feeding regime on the quantitative and qualitative characteristics of intensively fattened lambs. 2. Rumen volume and structure of rumen mucosa] Fix HP, et al. **Arch Tierernahr** 1981 Oct;31(10):705–12 (Eng. Abstr.) **(Ger)**

[Energy requirement of growing bulls] Hoffmann L, et al. **Arch Tierernahr** 1981 Jul;31(7–8):481–96 (Eng. Abstr.) **(Ger)**

[Energy maintenance requirements and energy requirement for protein retention in growing rats and broilers. 1. Energy maintenance requirements of growing rats] Hoffmann L, et al. **Arch Tierernahr** 1982 Mar;32(3):165–84 (Eng. Abstr.) **(Ger)**

[Dependence of rumen fatty acid production on the composition of rations] Lebzien P, et al. **Arch Tierernahr** 1981 Oct;31(10):685–96 (Eng. Abstr.) **(Ger)**

[Nutritional guidelines for children. Food intake, energy and nutrient provisions] Stolley H, et al. **Fortschr Med** 1981 Nov 12;99(42):1736–46 **(Ger)**

[Effect of various mixed feed amounts per meal on prececal and postileal digestive processes in the horse] Meyer H, et al. **Fortschr Tierphysiol Tierernahr** 1982;13:32–9 (Eng. Abstr.) **(Ger)**

[Volatile fatty acid and ammonia levels in the cecal contents of the horse depending on the type of feed, sequence and time of feeding] Schwabenbauer K, et al. **Fortschr Tierphysiol Tierernahr** 1982;13:24–31 (Eng. Abstr.) **(Ger)**

[The postoperative protein and energy metabolism during infusion therapy with high-calorie carbohydrate solutions, compared with low-calorie amino acid solutions] Küntscher H, et al. **Infusionsther Klin Ernahr** 1982 Feb; 9(1):36–43 (Eng. Abstr.) **(Ger)**

[The catabolic patient] Leutenegger A. **Int J Vitam Nutr Res** 1979;18:113–7 (Eng. Abstr.) **(Ger)**

[Potassium and sodium content of hospital general diets—comparison of calculated and analytical values] Herzberger U, et al. **Z Ernahrungswiss** 1982 Jun;21(2):87–97 (Eng. Abstr.) **(Ger)**

[Nutritive effect of fumaric acid on growth and body composition of rats] Kirchgessner M, et al. **Z Tierphysiol Tiernahr Futtermittelkd** 1982;47(4):175–86 (Eng. Abstr.) **(Ger)**

[Effect of various rations on trace element metabolism in young fattening bulls] Regius A, et al. **Z Tierphysiol Tiernahr Futtermittelkd** 1982;47(4):169–75 (Eng. Abstr.) **(Ger)**

[Differences in the liver N-acetyltransferase activity in laboratory rats following feeding with various standard diets] Dubbels R, et al. **Z Versuchstierkd** 1981;23(3):155–60 (Eng. Abstr.) **(Ger)**

[Effect of different commercial diets on body weight development, organ weight and serum enzyme concentrations in the rat] Wolff D, et al. **Z Versuchstierkd** 1981;23(5):284–93 (Eng. Abstr.) **(Ger)**

[The effect of diets with defined nucleic acid and purine content on the blood-level of uric acid in Dalmation dogs] Gaebler S, et al. **Zentralbl Veterinarmed [A]** 1981; 28(6):494–503 (Eng. Abstr.) **(Ger)**

[Effects of nutrients on carcinogenesis] Guggenheim JK. **Harefuah** 1981 Jul;101(1–2):22–5 **(Heb)**

[Variation in weight and food intake of rats exposed to a high-intensity electrical field at 50 Hz] Margonato V, et al. **Boll Soc Ital Biol Sper** 1982 Mar 15;58(5):259–65 (Eng. Abstr.) **(Ita)**

[Nutrition of flight personnel] Serra LC. **Minerva Med** 1982 Aug 25;73(32–33):2127–37 (Eng. Abstr.) **(Ita)**

[Lipoproteins and atherosclerosis (importance of diet)] Kostner GM. **Ric Clin Lab** 1981;11 Suppl 2:31–9 **(Ita)**

[Thyroidal 123I-uptakes using mild restriction of iodine (author's transl)] Wanibe S, et al. **Kaku Igaku** 1982 Mar; 19(2):297–304 **(Jpn)**

[Nutrition surveys in women in agricultural villages and a proposal for the estimate of recommended iron allowance of adult women (author's transl)] Yasutake R. **Nippon Eiseigaku Zasshi** 1982 Feb;36(6):863–86 (Eng. Abstr.) **(Jpn)**

[Investigations of the causes of urolithiasis. 3. Nutriological studies in the patients with urolithiasis—relationship of food to excretions in the urine (author's transl)] Iguchi M, et al. **Nippon Hinyokika Gakkai Zasshi** 1982 Mar;73(3):267–73 (Eng. Abstr.) **(Jpn)**

[Summary of experiences with the nicotinic acid and low-calorie tests in Gilbert's syndrome] Kupczyk K. **Pol Tyg Lek** 1981 Oct–Dec;36(42–52):1627–9 (Eng. Abstr.) **(Pol)**

[Nutrition of hospitalized patients. Food intake in surgical patients] Millan Z de H, et al. **AMB** 1981 Nov;27(11):306–8 (Eng. Abstr.) **(Por)**

[Effects of cimetidine, antacids and free diet on the pH of gastric content, in patients with peptic ulcer] Ribeiro T de C, et al. **AMB** 1981 Apr;27(4):119–20 (Eng. Abstr.) **(Por)**

[Goiter among Brazilian Indians] Vieira Filho JP. **AMB** 1981 Oct;27(10):285–7 (Eng. Abstr.) **(Por)**

[Survey of nutrition knowledge and food practices by persons in charge of the nutrition of family groups] Corrêa Santos A, et al. **Arch Latinoam Nutr** 1981 Dec;31(4):714–25 (Eng. Abstr.) **(Por)**

[Diet survey based on family food consumption: the case of Ilheus, Bahia, in 1979] Horner MR, et al. **Arch Latinoam Nutr** 1981 Dec;31(4):726–39 (Eng. Abstr.) **(Por)**

[Cholesterol calculosis in man. Influence of diet] Simionatto CS, et al. **Rev Hosp Clin Fac Med Sao Paulo** 1981 Jun; 36(3):131–8 (101 ref.) **(Por)**

[Ability of the pyloric sphincter to restrict passage of solid particles in different kinds of food out of the stomach] Groisman SD, et al. **Fiziol Zh SSSR** 1981 Jun;67(6):884–91 **(Rus)**

[Food preparation methods and the intake of 137Cs in the human diet] Pakulo AG. **Gig Sanit** 1981 Jul;(7):86–7 **(Rus)**

[Toxic action of lead with different levels of calcium in the diet] Andrushaite RE. **Gig Tr Prof Zabol** 1982 Mar;(3):54–5 **(Rus)**

[Effect of a paste-like diet on the formation of the enteric environment during natural digestion] Briuzgina MI, et al. **Kosm Biol Aviakosm Med** 1981;15(3):85–7 **(Rus)**

[Parenteral and oral feeding after laryngectomy for cancer with primary laryngoplasty] Kachorovskii BV, et al. **Probl Gematol Pereliv Krovi** 1981 Oct;26(10):34–7 (Eng. Abstr.) **(Rus)**

[Principles for the creation of food components in the systems provided for space vehicle crews] Bychkov VP. **Probl Kosm Biol** 1980;42:214–64 (205 ref.) **(Rus)**

[Population study of the relations between the blood pressure, excessive weight in women and excessive consumption of salt and liquids] Eliseeva NA, et al. **Ter Arkh** 1982; 54(5):57–60 **(Rus)**

[Effect of prostaglandin E2 on metabolism of essential fatty acids in liver of rats fed with unbalanced diet] Buko VU, et al. **Vopr Pitan** 1981 Sep–Oct;(5):27–30 (Eng. Abstr.) **(Rus)**

[Principles for developing preventive nutrition for workers in contact with industrial chemical sensitizing agents] Dotsenko VA. **Vopr Pitan** 1982 May–Jun;(3):21–3 **(Rus)**

[Effect of nitrites on the state of thyroid gland in iodine deficiency and different diets] Eremin IuN, et al. **Vopr Pitan** 1981 Sep–Oct;(5):60–2 (Eng. Abstr.) **(Rus)**

[Nutritional characteristics of the native population of Dagestan] Kerimov MK. **Vopr Pitan** 1981 Jul–Aug; (4):69–70 **(Rus)**

[Role of nutrition in changes in energy metabolism in stress] Panin LE, et al. **Vopr Pitan** 1982 May–Jun;(3):15–8 **(Rus)**

[Changes in myocardial ultrastructure in geese overfed at different altitudes] Bózner A, et al. **Cesk Patol** 1981 Aug; 17(3):123–8 (Eng. Abstr.) **(Slo)**

[Dietetic study of pregnant women of Santa Maria Cauqué, Guatemala. I. Variability of protein indicators and analysis by the time of meals] Araya H, et al. **Arch Latinoam Nutr** 1981 Mar;31(1):108–17 (Eng. Abstr.) **(Spa)**

[Changes in the nutritional status of the lactating women during exclusive lactation] Arteaga A, et al. **Arch Latinoam Nutr** 1981 Dec;31(4):766–81 (Eng. Abstr.) **(Spa)**

[Functional and histological study of the thyroid gland of rats fed detoxified rapeseed flour] Ballester D, et al. **Arch Latinoam Nutr** 1981 Dec;31(4):796–807 (Eng. Abstr.) **(Spa)**

[The evolution of human nutrition] Jaffé WG. **Arch Latinoam Nutr** 1981 Mar;31(1):13–24 (Eng. Abstr.) **(Spa)**

[Social aspects of energy and protein consumption in a group of pregnant women] Quiroz SE, et al. **Arch Latinoam Nutr** 1981 Mar;31(1):118–32 (Eng. Abstr.) **(Spa)**

[Cancer of the digestive system. II. Diet and cancer of the digestive system] Maqueo-Aguirre M, et al. **Gac Med Mex** 1981 Oct;117(10):397–9 **(Spa)**

[Cardiac necrosis and lipotropic factor deficiency] Arienti de García I, et al. **Medicina (B Aires)** 1981;41(5):556–64 (Eng. Abstr.) **(Spa)**

[Relative efficiency of increased energy and proteins in undernourished children] Río ME, et al. **Medicina (B Aires)** 1981;41(3):343–8 (Eng. Abstr.) **(Spa)**

[Diets of pediatric hospitalized patients in a general metropolitan hospital (author's transl)] Gattás V, et al. **Rev Chil Pediatr** 1981 Sep–Oct;52(5):397–404 (Eng. Abstr.) **(Spa)**

[Relation between caloric intake and nitrogen balance in the post operative period.] Villazón Sahagún A, et al. **Rev Gastroenterol Mex** 1981 Jul–Sep;46(3):135–44 (Eng. Abstr.) **(Spa)**

[Computers applied to dietetics] Viviente López E, et al. **Rev Sanid Hig Publica (Madr)** 1979 May–Jun; 53(5–6):837–42 (Eng. Abstr.) **(Spa)**

ADVERSE EFFECTS

Experimental induction of C cell tumours in thyroid by increased dietary content of vitamin D3. Thurston V, et al. **Acta Endocrinol (Copenh)** 1982 May;100(1):41–5

New concepts in nutrition and cancer: implications for folic acid. Butterworth CE Jr. **ASDC J Dent Child** 1981 Jul–Aug;48(4):300–3

Diet and coronary heart disease. Stamler J. **Biometrics** 1982 Mar;38 Suppl:95–118 (7 ref.)

Meal frequency and duration of overnight fast: a role in gall-stone formation? Capron JP, et al. **Br Med J [Clin Res]** 1981 Nov 28;283(6304):1435

Mechanisms of promotion in nutritional carcinogenesis. Weisburger JH, et al. **Carcinog Compr Surv** 1982;7:175–82 (16 ref.)

Pseudocholinesterase in obesity: hypercaloric diet induced changes in experimental obese mice. Kutty KM, et al. **Experientia** 1981 Nov 15;37(11):1141–2

On the track of oesophageal cancer [news] **Food Cosmet Toxicol** 1981 Dec;19(6):781–3

Effects of caloric intake and dietary composition on the development of proteinuria, age-associated renal disease and longevity in the male rat. Everitt AV, et al. **Gerontology** 1982 May–Jun;28(3):168–75

Dietary factors and breast cancer risk. Lubin JH, et al. **Int J Cancer** 1981 Dec;28(6):685–9

A case-control dietary study of primary liver cancer risk from aflatoxin exposure. Bulatao-Jayme J, et al. **Int J Epidemiol** 1982 Jun;11(2):112–9

Hyperglycemia and hyperinsulinemia in the sand rat (Psammomys obesus) with positive or negative energy balance. Adler JH. **Isr J Med Sci** 1982 Jan;18(1):187–91

Erosion: a case caused by unusual diet. Mueninghoff LA, et al. **J Am Dent Assoc** 1982 Jan;104(1):51–2

Dietary-atherosclerosis study on deceased persons. Moore MC, et al. **J Am Diet Assoc** 1981 Dec;79(6):668–72

Kidney bean (Phaseolus vulgaris) lectin-induced lesions in the small intestine: 1. Light microscope studies. King TP, et al. **J Comp Pathol** 1980 Oct;90(4):585–95

Kidney bean (Phaseolus vulgaris) lectin-induced lesions in rat small intestine: 2. Microbiological studies. Wilson AB, et al. **J Comp Pathol** 1980 Oct;90(4):597–602

Inherited susceptibility, ovine brain consumption and Creutzfeldt-Jakob disease (CJD) [letter] Mitrova E, et al. **J Neurol** 1981;226(3):219–20

Role of exercise-training in the prevention of hyperinsulinemia caused by high energy diet. Richard D, et al. **J Nutr** 1982 Sep;112(9):1756–62

Sodium excess or potassium lack as a cause of hypertension: a discussion paper. Bulpitt CJ. **J R Soc Med** 1981 Dec; 74(12):896–900

Intestinal metaplasia in Japan: association with diet. Nomura A, et al. **JNCI** 1982 Mar;68(3):401–5

Dietary goitrogens [editorial] **Lancet** 1982 Jun 19; 1(8286):1394–5

Platelet phenolsulphotransferase deficiency in dietary migraine. Littlewood J, et al. **Lancet** 1982 May 1; 1(8279):983–6

One minute with diabetes. DeLawter DE. **Md State Med J** 1981 Sep;30(9):29

Psychosocial dynamics in obesity. Rickarby GA. **Med J Aust** 1981 Nov 28;2(11):602–5

Dietary differences and disease [letter] Walker AR, et al. **Med J Aust** 1981 Jul 11;2(1):49–50

Increase in faecal nitrosamines in Japanese individuals given a Western diet. Suzuki K, et al. **Nature** 1981 Dec 3; 294(5840):453–6

Influence of diet on mammary cancer. Carroll KK. **Nutr Cancer** 1981;2(4):232–6 (44 ref.)

Nutrition and gastric cancer. Joossens JV, et al. **Nutr Cancer** 1981;2(4):250–61

Diet and cancer of the large bowel. Zaridze DG. **Nutr Cancer** 1981;2(4):241–9 (49 ref.)

Dietary patterns and coronary heart disease in New Zealand [letter] Amarasingham R. **NZ Med J** 1982 May 26; 95(708):362

Diet and hyperactivity: is there a relationship? [letter] Hindle RC. **Pediatrics** 1981 Dec;68(6):913

Clinical and metabolic abnormalities in a boy with dietary deficiency of biotin. Sweetman L, et al. **Pediatrics** 1981 Oct;68(4):553–8

Smoking, drinking, eating and sex. Some practical aspects of preventing deaths from cancer. Cust G. **Practitioner** 1981 Jun;225(1356):853–6

Roles of nutrition, obesity, and estrogens in diabetes mellitus: human leads to an experimental approach to prevention.

Addanki S. **Prev Med** 1981 Sep;10(5):577–89 (87 ref.)
Certainty: the elusive goal. McMullin E.
Prog Clin Biol Res 1981;67:3–14
Obstacles to success in nutrition intervention programs. Diversity of scientific opinion. Story JA, et al.
Prog Clin Biol Res 1981;67:517–21 (15 ref.)
Dietary potassium–sodium imbalance as a factor in the aetiology of primary ruminal tympany in dairy cows. Turner MA. **Vet Res Commun** 1981 Dec;5(2):159–64
[Western diet: risk factors for varices and explanation of their different frequencies among French people and immigrants] Melet JJ. **Phlebologie** 1981 Apr–Jun;34(2):235–43 (Eng. Abstr.) **(Fre)**
[Dietary regimen and the periodontium in sports] Hitzig C, et al. **Rev Odontostomatol (Paris)** 1982 Jan–Feb;11(1):61–4 **(Fre)**
[Dietary factors and laxatives in the epidemiology of stomach cancer] Jedrychowski W, et al. **Nowotwory** 1981; 30(4):353–60 (Eng. Abstr.) **(Pol)**
[Nutrition and biliary calculi] Dederer IuM, et al.
Vopr Pitan 1982 May–Jun;(3):7–12 (75 ref.) **(Rus)**

DRUG EFFECTS

Sucrose polyester and covert caloric dilution. Glueck CJ, et al. **Am J Clin Nutr** 1982 Jun;35(6):1352–9
Interaction of dietary protein with cellulose in the adaptation of caloric dilution by weaning rats. Delorme CB, et al. **J Nutr** 1982 Jan;112(1):21–8

STANDARDS

Supplementary feeding programs for young children in developing countries. Beaton GH, et al.
Am J Clin Nutr 1982 Apr;35(4 Suppl):863–916 (93 ref.)
Protein evaluation of mixed diets in young adults, growing pigs, and growing rats. Forsum E, et al.
Am J Clin Nutr 1982 Sep;36(3):505–13
The validity of a telephone-administered 24-hour dietary recall methodology. Posner BM, et al. **Am J Clin Nutr** 1982 Sep;36(3):546–53
Protein evaluation of mixed diets. Comparative study in man and in the pig and rat of vegetable-animal and vegetable protein diets. Forsum E, et al. **Ann Nutr Metab** 1981; 25(3):137–50
Pantothenic acid content of a nursing home diet 1,2. Walsh JH, et al. **Ann Nutr Metab** 1981;25(3):178–81
Dietary guidelines for Australians. Rogers JF.
Aust Fam Physician 1982 Apr;11(4):243–4, 246–7
Food patterns in modern society and their consequences on nutrition. Brubacher G, et al. **Bibl Nutr Dieta** 1981; (30):90–9
Nutritional deficiencies in preschool and prepuberal children. Ferro-Luzzi A, et al. **Bibl Nutr Dieta** 1981;(30):30–42 (37 ref.)
Nutritional status of the elderly. Anthropometry, diet and clinical data from old pensioners in Perugia, Italy. Fidanza F, et al. **Bibl Nutr Dieta** 1981;(30):70–80
Iron nutrition in women in industrialized countries. Hallberg L. **Bibl Nutr Dieta** 1981;(30):111–23
Major nutritional findings from the First Health and Nutrition Examination Survey in the United States of America, 1971–1974. Lowenstein FW. **Bibl Nutr Dieta** 1981;(30):1–16
Role of carbohydrates in the diet of industrialised countries Southgate DA. **Bibl Nutr Dieta** 1981;(30):124–30
Influence of ethanol on nutrients utilization. Varela G, et al. **Bibl Nutr Dieta** 1981;(30):139–59
Iron deficiency in adolescents. Lanzkowsky P.
Curr Concepts Nutr 1982;11:73–95 (31 ref.)
Dietary practices of adolescents. Nelson M.
Curr Concepts Nutr 1982;11:35–44 (32 ref.)
Nutrition and the adolescent athlete. Smith NJ.
Curr Concepts Nutr 1982;11:63–70
The logistics of dietary surveys. Black AE.
Hum Nutr Appl Nutr 1982 Apr;36(2):85–94
An evaluation of a traditional Vietnamese diet in the UK. Carlson E, et al. **Hum Nutr Appl Nutr** 1982 Apr; 36(2):107–15
Breakfast and performance. Dickie NH, et al.
Hum Nutr Appl Nutr 1982 Feb;36(1):46–56 (39 ref.)
Dietary survey during pregnancy in a low socio-economic group. Doyle W, et al. **Hum Nutr Appl Nutr** 1982 Apr; 36(2):95–106
Food choices for lowering sodium intake. Altschul AM, et al. **Hypertension** 1982 Sep–Oct;4(5 Pt 2):III116–20
RDA and related tracking systems concerned with sodium. Forbes AL. **Hypertension** 1982 Sep–Oct;4(5 Pt 2):III170–5
Human nutrition and blood pressure regulation: an integrated approach. McCarron DA, et al. **Hypertension** 1982 Sep–Oct;4(5 Pt 2):III2–13 (100 ref.)
Feeding the Vietnamese refugees in the United Kingdom. Carlson E, et al. **J Am Diet Assoc** 1982 Aug;81(2):164–7
Development of a dietary intake monitoring system for nursing homes. Johnson NE, et al. **J Am Diet Assoc** 1982 Jun;80(6):549–57
Direction for nutrition education determined by target group segmentation. Kok FJ, et al. **J Am Diet Assoc** 1982 Jun; 80(6):566–73
Food use and perceived food meanings of the elderly. Krondl M, et al. **J Am Diet Assoc** 1982 Jun;80(6):523–9
The diet composition and nutritional knowledge of patients with anorexia nervosa. Beaumont PJ, et al.
J Hum Nutr 1981 Aug;35(4):265–73
A study of junior school meals in South Glamorgan. McAllister A, et al. **J Hum Nutr** 1981 Oct;35(5):369–74
Food habits of the Dinka in the Jonglei area of Sudan – a preliminary study. Ogilvy SM. **J Hum Nutr** 1981 Aug; 35(4):296–301
An anthropometric and dietary assessment of the nutritional status of vegan preschool children. Sanders TA, et al.
J Hum Nutr 1981 Oct;35(5):349–57
A critical analysis of measured food energy intakes during infancy and early childhood in comparison with current international recommendations. Whitehead RG, et al.
J Hum Nutr 1981 Oct;35(5):339–48
Dietary self-selection and the Zucker rat. Castonguay TW, et al. **J Nutr** 1982 Apr;112(4):796–800
Riboflavin supplementation of diets for rainbow trout. Woodward B. **J Nutr** 1982 May;112(5):908–13
A quality-controlled rodent diet. Topham JC, et al.
Lab Anim 1981 Apr;15(2):97–100
Epidemiological assessment of dietary intake. James WP, et al. **Nutr Cancer** 1981;2(4):203–12 (53 ref.)
Diet and cancer of the esophagus. Mettlin C, et al.
Nutr Cancer 1981;2(3):143–7
Current nutrition guidelines: implications for physicians. Fisher KH, et al. **Penn Med** 1982 Feb;85(2):36–42
Nutrition and the elderly. Tayback M, et al. **Penn Med** 1982 Feb;85(2):53–4
Trace element intake by Asians during pregnancy. Abraham R. **Proc Nutr Soc** 1982 Jun;41(2):261–5
What do Asian women in Birmingham eat during pregnancy? Eaton PM. **Proc Nutr Soc** 1982 Jun;41(2):257–9
Food and nutrition guidelines in Canada. Beare-Rogers JL.
Prog Clin Biol Res 1981;67:481–9
Nutritional status of the Mexican population. Bourges H.
Prog Clin Biol Res 1981;67:249–69
Nutrition and the physiology of aging. Butler RN.
Prog Clin Biol Res 1981;67:207–17
Health effects of supplementary feeding programs. Chávez A, et al. **Prog Clin Biol Res** 1981;67:129–39
Overweight, obesity, coronary heart disease, and mortality: the W.O. Atwater Memorial Lecture, 1980. Keys A.
Prog Clin Biol Res 1981;67:31–46 (37 ref.)
Requirements related to physical activity and inactivity. Nelson RA. **Prog Clin Biol Res** 1981;67:153–60
Current methods of assessing food intake. Nesheim RO.
Prog Clin Biol Res 1981;67:49–57
Nationwide food consumption survey, 1977–1978. Peterkin BB. **Prog Clin Biol Res** 1981;67:59–69
Diet and atherosclerosis: recommendations of a pediatrician. Roy CC. **Prog Clin Biol Res** 1981;67:391–6
Overview of nutritional status in the United States. Simopoulos AP. **Prog Clin Biol Res** 1981;67:237–47
Advice about diet. Ernster M, et al. **South Med J** 1981 Nov; 74(11):1384–6
Review of the nutritional status of Spanish Americans based on published and unpublished reports between 1968 and 1978. Lowenstein FW. **World Rev Nutr Diet** 1981;37:1–37 (26 ref.)
[Establishment of a diet for workers exposed to methylsulfurous compounds: physiological and hygienic considerations] Dotsenko VA, et al. **Gig Sanit** 1981 Dec; (12):63–6 **(Rus)**
[Environmental and sociocultural parameters affecting nutrition in Third World countries] Sanjur D.
Arch Latinoam Nutr 1980 Dec;30(4):634–55 (Eng. Abstr.) **(Spa)**

TRENDS

Measurement of food consumption--past, present, future. Nesheim RO. **Am J Clin Nutr** 1982 May;35(5 Suppl):1292–6
Trends in food energy intakes throughout childhood from one to 18 years. Whitehead RG, et al.
Hum Nutr Appl Nutr 1982 Feb;36(1):57–62
Drug and dietary intervention in hypertension. Langford HG. **Hypertension** 1982 Sep–Oct;4(5 Pt 2):III166–9
Review of trends in food use in the United States, 1909 to 1980. Welsh SO, et al. **J Am Diet Assoc** 1982 Aug; 81(2):120–8
Recent activities of public agencies to assure healthful diets for Americans. Swenerton H, et al. **J Dairy Sci** 1982 Mar; 65(3):484–7
Trends in diet and breast cancer mortality in England and Wales 1928–1977. Ingram DM. **Nutr Cancer** 1981;3(2):75–80
[Changes in the diet in France and problems of public health] Dupin H, et al. **Acquis Med Recent** 1981;198 79–79 **(Fre)**
[Changes in the diet in Africa, the southern Sahara (Sahel countries). Its effects on health] Labonne M.
Acquis Med Recent 1981;198:81–7 **(Fre)**

DIET, ATHEROGENIC

see related
CHOLESTEROL, DIETARY

Effect of plant proteins on cholesterol metabolism in growing rats fed atherogenic diets. Mokady S, et al.
Ann Nutr Metab 1982;26(2):138–44
Genetic susceptibility and resistance to diet-induced atherosclerosis and hyperlipoproteinemia. Morrisett JD, et al. **Arteriosclerosis** 1982 Jul–Aug;2(4):312–24
Diet and coronary heart disease. Winston M.
ASDC J Dent Child 1982 Jan–Feb;49(1):56–9
Endothelial morphology and plasma total and high density lipoprotein cholesterol changes in hypothalamically stimulated squirrel monkeys fed a modified atherogenic diet. Gutstein WH, et al. **Atherosclerosis** 1982 Jan; 41(1):41–51
Atherogenicity of animal and vegetable protein. Influence of the lysine to arginine ratio. Kritchevsky D, et al.
Atherosclerosis 1982 Feb;41(2–3):429–31
Experimental atherosclerosis in rabbits fed cholesterol-free diets. Kritchevsky D, et al. **Atherosclerosis** 1982 Feb; 41(2–3):279–84
Lipoprotein–glycosaminoglycan interactions in aortas of rabbits fed atherogenic diets containing different fats. Srinivasan SR, et al. **Atherosclerosis** 1982 Jun; 43(2–3):289–301
Variations in aortal elastin composition after atherogenic diet feeding in rats. Possible involvement of two different elastin types. Deyl Z, et al. **Biochem Biophys Res Commun** 1982 May 14;106(1):94–100
A carbon-13 nuclear magnetic resonance study of aortic lesions and cholesteryl ester rich lipoproteins from atherosclerotic rabbits. Kroon PA, et al. **Biochemistry** 1982 May 25;21(11):2745–53
Effects of an atherogenic diet on apolipoprotein E biosynthesis in the rat. Lin-Lee YC, et al. **Biochemistry** 1981 Oct 27;20(22):6474–80
Influence of diabetes on the myocardium and coronary arteries of rhesus monkey fed an atherogenic diet. Haider B, et al. **Circ Res** 1981 Dec;49(6):1278–88
Suppression of atherogenesis in cholesterol-fed rabbit treated with nifedipine. Henry PD, et al. **J Clin Invest** 1981 Nov; 68(5):1366–9
Atherosclerosis in the tongue of the rhesus monkey. Mostofi RS, et al. **J Dent Res** 1981 Nov;60(11):1876–85
Diet and coronary heart disease. Winston M.
J Med Soc NJ 1982 May;79(5):415–6
Poly (ADP-ribose) polymerase activity of aortic nuclei from swine on hyperlipemic diet. States JC, et al.
J Mol Cell Cardiol 1982 Jan;14(1):63–70
Effect of atherogenesis on membrane lipid constituents of rabbit erythrocytes. Begum N, et al. **Jpn Heart J** 1981 Sep; 22(5):847–51
Experimental study of the effect on rabbits of the injectable contraceptive medroxyprogesterone acetate, cholesterol feeding and drug–atherogenic diet combination. Al-Shebib TH, et al. **Lab Anim** 1982 Jan;16(1):78–83
Diet and coronary disease: a survey of mortality rates and food consumption statistics of 24 countries. Seely S.
Med Hypotheses 1981 Jul;7(7):907–18
Reduction of coronary atherosclerosis by moderate conditioning exercise in monkeys on an atherogenic diet. Kramsch DM, et al. **N Engl J Med** 1981 Dec 17; 305(25):1483–9
Plasma viscosity: relation to age, atherogenic diet and suloctidil. Amico-Roxas M, et al.
Pharmacol Res Commun 1981 Sep;13(8):765–7
Effect of aspirin on cholesterol-induced platelet activation in rabbits. Spławiński J, et al. **Thromb Res** 1982 Jan 1 & 15;25(1–2):155–61
[Dietary fats and atherosclerosis] Skořepa J.
Cas Lek Cesk 1982 Apr 2;121(13):385–90 (Eng. Abstr.) **(Cze)**
[Serum triglycerides and atherogenic diet. Effect of thyroid hormones] Vasiliu G, et al.
Rev Med Chir Soc Med Nat Iasi 1981 Apr–Jun;85(2):337–40 **(Rum)**
[Effect of adenalectomy on the initial stage of thrombin clearance in animals with depressed functioning of the anticoagulation system due to long-term maintenance on an atherogenic diet] Ul'ianov AM, et al. **Biol Nauki** 1982; (4):37–41 **(Rus)**
[Penetration of the heparin–thromboplastin complex into brain tissues after administration of the complex into healthy animals and into animals with the prethrombotic state caused by atherogenic diet] Liapina LA, et al.
Vopr Med Khim 198 Mar–Apr;27(2):181–5 (Eng. Abstr.) **(Rus)**
[Distribution of heparin and its complex compounds in the tissues of animals maintained on an atherogenic diet following intravenous administration of a thromboplastin–heparin complex] Ul'ianov AM, et al.
Vopr Med Khim 1981;27(4):458–62 (Eng. Abstr.) **(Rus)**
[Interrelation of the changes in the lipid composition of the blood serum and of subcellular liver fractions as affected by an atherogenic diet] Odushko NP. **Vopr Pitan** 1982 Mar–Apr;(2):52–6 (Eng. Abstr.) **(Rus)**

ADVERSE EFFECTS

Diet and heart disease. Shaping public perceptions when proof is lacking [editorial] Ahrens EH Jr.
Arteriosclerosis 1982 Mar–Apr;2(2):85–6

DIET, CARIOGENIC

Sweets, snacks, and dental caries: South African interracial patterns [letter] Hackett AF, et al. **Am J Clin Nutr** 1982 Jun;35(6):1503–5
Influence of dietary disaccharides on mouth microorganisms and experimental dental caries in rats. Schemmel RA, et al. **Arch Oral Biol** 1982;27(6):435–41
A model for evaluating cariogenicity applied to vegetarian diets. Tiegen VE, et al. **ASDC J Dent Child** 1981 Jul–Aug;

48(4):278–84
The stability of Streptococcus mutans populations in the dental plaque of monkeys (Macaca fascicularis). Beighton D, et al. **J Appl Bacteriol** 1982 Apr;52(2):191–200
The relationship between dietary factors and dental caries. Watson ML. **J Sch Health** 1982 Jan;52(1):39–41
Sugar and dental caries: a review of human studies. Newbrun E. **Science** 1982 Jul 30;217(4558):418–23 (53 ref.)
[The effect of solid, compacted cariogenic diet on the salivary glands in rats] Végh A, et al. **Fogorv Sz** 1982 Feb; 75(2):57–61 **(Hun)**

DIET, CHEMICALLY DEFINED see **FOOD, FORMULATED**

DIET, ELEMENTAL see **FOOD, FORMULATED**

DIET FADS

The sense and nonsense of the best-selling diet books. Swartz J. **Can Med Assoc J** 1982 Mar 15;126(6):696–701
Meal cost analysis: health food store versus conventional food sources. Lekon BM, et al. **J Am Diet Assoc** 1981 Oct; 79(4):456–8
Enzymes and nucleic acids not absorbable [letter] Fridovich I. **N Engl J Med** 1982 Jun 24;306(25):1554
The first devil of nutrition cultism [letter] Douglass JM, et al. **West J Med** 1982 Feb;136(2):167–8

ADVERSE EFFECTS

Will questionable nutrition overwhelm nutrition science? Herbert V. **Am J Clin Nutr** 1981 Dec;34(12):2848–53
Toxicity of 25,000 IU vitamin A supplements in 'health' food users [editorial] Herbert V. **Am J Clin Nutr** 1982 Jul; 36(1):185–6
Nutritional rickets due to food fadism. Warrier RP, et al. **Indian J Pediatr** 1981 May–Jun;48(392):345–7
The Beverly Hills diet. Dangers of the newest weight loss fad. Mirkin GB, et al. **JAMA** 1981 Nov 13;246(19):2235–7

HISTORY

Graham-Kellogg, early American contributors to health education. Edwards R. **J Sch Health** 1981 Nov; 51(9):589–91

DIET, FORMULA see **FOOD, FORMULATED**

DIET, LOW-SALT see **DIET, SODIUM-RESTRICTED**

DIET, REDUCING

Treatment of obese schoolchildren with special reference to the mode of therapy, cardiorespiratory performance and the carbohydrate and lipid metabolism. Ylitalo V. **Acta Paediatr Scand [Suppl]** 1981;290:1–108
Effects of low energy diets on work performance. Horton ES. **Am J Clin Nutr** 1982 May;35(5 Suppl):1228–33
Moderate diet control in children: the effects on metabolic indicators that predict obesity-related degenerative diseases. Kahle EB, et al. **Am J Clin Nutr** 1982 May; 35(5):950–7
Knowledge, attitudes, and behavior related to obesity and dieting in Mexican Americans and Anglos: the San Antonio Heart Study. Stern MP, et al. **Am J Epidemiol** 1982 Jun; 115(6):917–28
Oxygen consumption and locomotor activity during restricted feeding and realimentation. Boyle PC, et al. **Am J Physiol** 1981 Nov;241(5):R392–7
Inclusion of meal-reversal in a behaviour modification program for obesity. Armstrong S, et al. **Appetite** 1981 Mar; 2(1):1–5
Dietary management of obesity: evaluation of the time-energy displacement diet in terms of its efficacy and nutritional adequacy for long-term weight control. Weinsier RL, et al. **Br J Nutr** 1982 May;47(3):367–79
Glucose utilization and nitrogen balance in the obese on a protein-lipid hypocaloric diet. Reid D, et al. **Can J Physiol Pharmacol** 1982 Mar;60(3):319–23
Long-term evaluation of thyroidal response to partial calorie restriction in obesity. Moreira-Andrés MN, et al. **Clin Endocrinol (Oxf)** 1981 Dec;15(6):621–6
Production of 6-oxo-prostaglandin F1alpha by rat aorta: influence of diabetes, insulin treatment, and caloric deprivation. Rogers SP, et al. **Diabetes** 1981 Nov; 30(11):935–9
Dietary restriction reduces fluorescent age pigment accumulation in mice. Enesco HE, et al. **Exp Gerontol** 1981; 16(4):357–61
Serum thyroid hormone concentration during semi-starvation and physical exercise. Bosello O, et al. **Horm Metab Res** 1981 Nov;13(11):651–2
Blood pressure and hormone changes associated with weight reduction in the obese. Sowers JR, et al. **Hypertension** 1982 Sep–Oct;4(5):686–91
Severe energy restriction in treatment of toxemia of pregnancy. Kido K, et al. **Int J Biol Res Pregnancy** 1981; 2(2):70–6
Effects of very restrictive high-protein diets with special reference to the nitrogen balance. Apfelbaum M. **Int J Obes** 1981;5(3):209–14
Nonphysician supervision of a very-low-calorie diet. Results in over 200 cases. Atkinson RL, et al. **Int J Obes** 1981; 5(3):237–41
Mechanisms of nitrogen sparing with severe calorie restricted diets. Blackburn GL, et al. **Int J Obes** 1981;5(3):215–6
Comparison of weight loss on low-calorie (800–1200) and very-low-calorie (300–600) diets. Blondhein SH, et al. **Int J Obes** 1981;5(3):313–7
Metabolic fuels and the capacity for exercise during hypocaloric diet. Bogardus C, et al. **Int J Obes** 1981; 5(3):295–6
A multiple approach to the treatment of obesity using total fasting or a very-low-calorie diet. Cormillot A, et al. **Int J Obes** 1981;5(3):297–304
A very-low-calorie formula diet (Cambridge diet) for the treatment of diabetic-obese patients. Di Biase G, et al. **Int J Obes** 1981;5(3):319–24
The effect of increasing the relative cost of palatable food with respect to ordinary food on total-energy intake of eight obese inpatients. Durrant MI, et al. **Int J Obes** 1982; 6(2):153–64
Outpatient treatment of obesity with a very-low-calorie formula diet. Hickey N, et al. **Int J Obes** 1981;5(3):227–30
The historical development, efficacy and safety of very-low-calorie diets. Howard AN. **Int J Obes** 1981; 5(3):195–208
Balanced hypocaloric diet versus protein-sparing modified fast in the treatment of obesity: a comparative study. Iselin HU, et al. **Int J Obes** 1982;6(2):175–81
The effect of a very-low-calorie diet with and without chronic exercise on thyroid and sex hormones, plasma proteins, oxygen uptake, insulin and c peptide concentrations in obese women. Krotkiewski M, et al. **Int J Obes** 1981;5(3):287–93
Medical complications of severe obesity: importance of treatment by very-low-calorie diets: intermediate and long-term effects. Mancini M, et al. **Int J Obes** 1981; 5(3):341–52
The role of T3 and its receptor in efficient metabolisers receiving very-low-calorie diets. Moore R, et al. **Int J Obes** 1981;5(3):283–6
The Copenhagen PLAFA project: a randomized trial of gastroplasty versus very-low-calorie diet in the treatment of severe obesity (preliminary results). Quaade F, et al. **Int J Obes** 1981;5(3):257–61
The Copenhagen PRODI project: preliminary results. Quaade F, et al. **Int J Obes** 1981;5(3):263–6
Thyroid hormone changes in obese subjects during fasting and a very-low-calorie diet. Rabast U, et al. **Int J Obes** 1981;5(3):305–11
The influence of low calorie (240 kcal/day) protein-carbohydrate diet on serum lipid levels in obese subjects. Schouten JA, et al. **Int J Obes** 1981;5(3):333–9
Lipids and lipoproteins during a very-low-calorie diet. Wechsler JG, et al. **Int J Obes** 1981;5(3):325–31
The effect of triiodothyronine on weight loss and nitrogen balance of obese patients on a very-low-calorie liquid-formula diet. Wilson JH, et al. **Int J Obes** 1981; 5(3):279–82
The effect of obesity and drastic caloric restriction on serum prolactin and thyroid stimulating hormone. Wilson JH, et al. **Int J Obes** 1981;5(3):275–8
Metabolic effects of substituting carbohydrate for protein in a low-calorie diet: a prolonged study in obese patients. Yang MU, et al. **Int J Obes** 1981;5(3):231–6
A 300 kcal (1.2 MJ) diet using conventional food. Zöllner N, et al. **Int J Obes** 1981;5(3):217–20
Alpha-adrenergic responses in rabbit white fat cells: the influence of obesity and food restriction. Lafontan M. **J Lipid Res** 1981 Sep;22(7):1084–93
Orthomolecular aids for dieting. McCarty MF. **Med Hypotheses** 1982 Mar;8(3):269–74
Prevention of age-related hypertriglyceridemia by caloric restriction and exercise training in the rat. Reaven GM, et al. **Metabolism** 1981 Oct;30(10):982–6
Some relationships between body image, 'energy balance' and body weight loss in male and female students undergoing voluntary slimming. Auckland JN, et al. **R Soc Health J** 1981 Oct;101(5):204–5, 209
[Gastroplasty versus very low calorie diet in morbid obesity. Short-term results of a randomized clinical trial] Andersen T, et al. **Ugeskr Laeger** 1982 Feb 8;144(6):390–4 (Eng. Abstr.) **(Dan)**
[Long-term treatment of patients with obesity using mazindol and a reducing diet] van Seters AP, et al. **Ned Tijdschr Geneeskd** 1982 May 29;126(22):990–4 (Eng. Abstr.) **(Dut)**
[Effects of a hypocaloric protein diet on changes in arterial pressure produced by adrenaline infusion] Scheen A, et al. **C R Soc Biol (Paris)** 1982;176(1):104–8 (Eng. Abstr.) **(Fre)**
[Short and long term results in the treatment of obesity. A study in 173 patients (author's transl)] Lorcy Y, et al. **Sem Hop Paris** 1982 Apr 15;58(15):944–50 (Eng. Abstr.) **(Fre)**
[Cholesterol- and weight reduction with a formula diet containing protein and legumes] Matzkies F, et al. **Fortschr Med** 1981 Feb 12;99(6):195–9 (Eng. Abstr.) **(Ger)**
[Effect of a fiber-containing dietary formula on metabolism] Matzkies F, et al. **Fortschr Med** 1982 May 20; 100(19):917–20 (Eng. Abstr.) **(Ger)**
[Balanced minimal diet in ambulatory patients] Liebl G. **MMW** 1982 May 21;124(20):507–8 **(Ger)**
[Weight reduction and blood pressure] Greminger P, et al. **Schweiz Med Wochenschr** 1982 Jan 23;112(4):120–3 (Eng. Abstr.) **(Ger)**
[Effect of a combined diet-training program on the insulin sensitivity of obese persons with normal or disordered glucose tolerance] Ratzmann KP, et al. **Z Gesamte Inn Med** 1982 May 15;37(10):304–8 (Eng. Abstr.) **(Ger)**
[Critical evaluation of various dietetic treatments proposed for therapy of human obesity] Chiodini G. **Arch E Maragliano Patol Clin** 1978;34(2):149–63 (70 ref.) **(Ita)**
[Circadian rhythm of the bile acid level in obese patients treated with a zero diet] Gołębiowska I. **Ann Acad Med Stetin** 1981;27:419–32 (Eng. Abstr.) **(Pol)**
[Efficacy of prophylactic interventions in weight loss in middle-aged overweight men] Goshtautas AA, et al. **Ter Arkh** 1982;54(1):45–8 (Eng. Abstr.) **(Rus)**
[Changes in cholesterol and alpha-lipoprotein levels in ischemic heart disease with obesity treated by a reducing diet] Samsonov MA, et al. **Ter Arkh** 1981;53(5):56–61 (Eng. Abstr.) **(Rus)**
[Comparative evaluation of the effect of diet, pharmaco- and balneotherapy on a number of metabolic indices in obesity] Lukasheva MV, et al. **Vopr Kurortol Fizioter Lech Fiz Kult** 1982 May–Jun; (3):46–50 (Eng. Abstr.) **(Rus)**
[Permissible degree of reduction of diet caloricity for obese patients] Beiul EA, et al. **Vopr Pitan** 1982 Mar–Apr;(2):8–12 (Eng. Abstr.) **(Rus)**
[Low-energy diet and its effect on hormone regulation in obese individuals. Somatotropic hormone secretion (author's transl)] Beňo I, et al. **Cas Lek Cesk** 1981 Dec 3;120(48):1428–31 (Eng. Abstr.) **(Slo)**
[Low-energy diet and hormonal regulation in obese individuals. Secretion of glucagon (author's transl)] Beňo I, et al. **Cas Lek Cesk** 1982 May 7;121(18):555–8 (Eng. Abstr.) **(Slo)**

ADVERSE EFFECTS

Severe caloric restriction [letter] Ayers WR, et al. **Am J Clin Nutr** 1981 Dec;34(12):2855–6
Evaluation of very-low-calorie diets. Proceedings of a satellite symposium to the Third International Congress on Obesity Ischia, October, 1980). **Int J Obes** 1981; 5(3):193–352
Low-calorie-formula diets—are they safe? Baird IM. **Int J Obes** 1981;5(3):249–56
Evaluation of the safety of very-low-calorie diets in the treatment of severely obese patients in a metabolic ward. Contaldo F, et al. **Int J Obes** 1981;5(3):221–6
The Beverly Hills diet. Dangers of the newest weight loss fad. Mirkin GB, et al. **JAMA** 1981 Nov 13;246(19):2235–7

MORTALITY

Fatalities on the liquid-protein diet: an analysis of possible causes. Frank A, et al. **Int J Obes** 1981;5(3):243–8

PSYCHOLOGY

The role of anticipated deprivation in overeating. Lowe MG. **Addict Behav** 1982;7(2):103–12
Comparison of carbohydrate-containing and carbohydrate-restricted hypocaloric diets in the treatment of obesity: effects of appetite and mood. Rosen JC, et al. **Am J Clin Nutr** 1982 Sep;36(3):463–9
Child and parent weight loss in family-based behavior modification programs. Epstein LH, et al. **J Consult Clin Psychol** 1981 Oct;49(5):674–85
The effect of increasing initial weight loss with the Scarsdale Diet on subsequent weight loss in a behavioral treatment program. Wing RR, et al. **J Consult Clin Psychol** 1982 Jun; 50(3):446–7
Effect of depressed mood in eating among obese and nonobese dieting and nondieting persons. Baucom DH, et al. **J Pers Soc Psychol** 1981 Sep;41(3):577–85
Focus on health. Part 1. Holistic weight control. Popkess-Vawter SA. **Nurse Pract** 1982 Mar;7(3):45–50
Human obesity, dieting, and anticipatory salivation to food. Klajner F, et al. **Physiol Behav** 1981 Aug;27(2):195–8

STANDARDS

Nitrogen economy during very low calorie reducing diets: quality and quantity of dietary protein. Fisler JS, et al. **Am J Clin Nutr** 1982 Mar;35(3):471–86
Estimates of food quantity and calories: errors in self-report among obese patients. Lansky D, et al. **Am J Clin Nutr** 1982 Apr;35(4):727–32
Successful weight reduction programmes. Burke LM. **Aust Fam Physician** 1982 Apr;11(4):281–2, 284–8
Energetic considerations in weight reduction diets. Grande F. **Bibl Nutr Dieta** 1981;(30):166–72
Nutrient intakes in self-catering students during slimming. Auckland JN, et al. **Hum Nutr Appl Nutr** 1982 Apr; 36(2):124–6

DIET, SODIUM-RESTRICTED

The effect of salt restriction and furosemide in patients investigated for renovascular hypertension. Mörlin C, et al. **Acta Chir Scand** 1981;147(3):169–72

Sodium intake reduction in volunteer families by using a salt substitute and nutrition counselling. Pietinen P, et al. **Ann Nutr Metab** 1981;25(6):371–80

Taste perception in three individuals on a low sodium diet. Bertino M, et al. **Appetite** 1981 Mar;2(1):67–73

Two techniques to improve adherence to dietary sodium restriction in the treatment of hypertension. Kaplan NM, et al. **Arch Intern Med** 1982 Sep;142(9):1638–41

Xerostomia and artificial saliva [letter] Hoogen AD. **Aust Dent J** 1982 Apr;27(2):132

Reversal of glucose-induced hyperkalemia by sodium restriction in normaldosteronemic diabetes: evidence for elevated mineralocorticoid threshold. Rado JP. **Biomedicine** 1981 Sep;35(4):109–11

Influence of angiotensin converting enzyme inhibition with captopril on blood pressure and adrenergic function in normal and sodium restricted rats. Sybertz EJ, et al. **Clin Exp Hypertens** 1981;3(5):1053–73

Dietary sodium and renal alpha 2-adrenergic receptors in Dahl hypertensive rats. Pettinger WA, et al. **Clin Exp Hypertens [A]** 1982;4(4–5):819–28

Aldosterone responsiveness to angiotensin II after sodium restriction in subjects with low renin essential hypertension. Takeda R, et al. **Clin Exp Hypertens [A]** 1982;4(6):937–49

Plasma angiotensin II concentration regulates vascular but not adrenal responsiveness to restriction of sodium intake in normal man. Dawson-Hughes BF, et al. **Clin Sci** 1981 Nov;61(5):527–34

Water and electrolyte composition of urine and ileal fluid and its relationship to renin and aldosterone during dietary sodium deprivation in patients with ileostomies. Moss S, et al. **Clin Sci** 1981 Oct;61(4):407–15

Effects of a low-salt diet and of acute salt loading on blood pressure and intralymphocytic sodium concentration in young subjects with borderline hypertension. Costa FV, et al. **Clin Sci [Suppl]** 1981 Dec;61(7):21s–23s

Partial replacement of sodium by potassium in the diet restores impaired noradrenaline inactivation and lowers blood pressure in stroke-prone spontaneously hypertensive rats. Dietz R, et al. **Clin Sci [Suppl]** 1981 Dec;61(7):69s–71s

Dietary sodium, erythrocyte sodium concentration, sodium-stimulated lithium efflux and blood pressure. Trevisan M, et al. **Clin Sci [Suppl]** 1981 Dec;61(7):29s–32s

Sodium restriction in the treatment of hypertension. Luft FC. **Compr Ther** 1981 Oct;7(10):15–8

Reversal of glucose-induced hyperkalemia by sodium restriction in 'normaldosteronemic' diabetes mellitus. Radó JP. **Endokrinologie** 1981 Dec;78(2–3):244–52

Circadian rhythms of plasma renin, aldosterone and cortisol on habitual and low dietary sodium intake. Cugini P, et al. **Horm Res** 1981;15(1):7–27

Role of reactive hyperreninemia in blood pressure changes induced by sodium depletion in patients with refractory hypertension. Gavras H, et al. **Hypertension** 1981 Jul–Aug; 3(4):441–7

Changing sodium intake in children. The Minneapolis Children's Blood Pressure Study. Gillum RF, et al. **Hypertension** 1981 Nov–Dec;3(6):698–703

Overnight urines for assessment of change in sodium intake [letter] Gillum RF, et al. **Hypertension** 1981 Nov–Dec; 3(6):738

Influence of converting enzyme inhibition on renal hemodynamics and glomerular dynamics in sodium-restricted dogs. Navar LG, et al. **Hypertension** 1982 Jan–Feb;4(1):58–68

Response of the renal kallikrein-kinin system, intravascular volume, and renal hemodynamics to sodium restriction and diuretic treatment in essential hypertension. O'Connor DT. **Hypertension** 1982 Sep–Oct;4(5 Pt 2):III72–8 (56 ref.)

Hypotonic urine production and sodium chloride intake in patients with chronic renal failure. Osten J, et al. **Int Urol Nephrol** 1981;13(1):89–93

Teaching principles and cost of sodium-restricted diets. Kris-Etherton PM, et al. **J Am Diet Assoc** 1982 Jan; 80(1):55–8

The role of diet in the treatment of high blood pressure. Wilber JA. **J Am Diet Assoc** 1982 Jan;80(1):25–9

Bromocriptine does not inhibit the aldosterone response to sodium depletion. Carey RM, et al. **J Clin Endocrinol Metab** 1982 Jul;55(1):162–5

The effect of prostaglandin inhibition on renin release. A comparison of furosemide and low-sodium stimulation tests. Goldiner WH, et al. **J Lab Clin Med** 1981 Dec; 98(6):929–37

Influences of low sodium diets on vascular effects of bradykinin and on bradykinin receptors in the uterine smooth muscle in the rats. Yasujima M, et al. **Jpn Circ J** 1982 May;46(5):540–3

Randomised controlled trial of a no-added-sodium diet for mild hypertension. Beard TC, et al. **Lancet** 1982 Aug 28; 2(8296):455–8

Double-blind randomised crossover trial of moderate sodium restriction in essential hypertension. MacGregor GA, et al. **Lancet** 1982 Feb 13;1(8268):351–5

Changes in salt intake and blood-pressure [letter] Sasaki N, et al. **Lancet** 1981 Sep 19;2(8247):632

Salt restriction and no drug treatment in mild to moderate hypertension [letter] Silman AJ, et al. **Lancet** 1982 Apr 17;1(8277):903–4

Low sodium/high potassium diet for prevention of hypertension: probable mechanisms of action. Skrabal F, et al. **Lancet** 1981 Oct 24;2(8252):895–900

Low sodium/high potassium diet for prevention of hypertension [letter] Swales JD, et al. **Lancet** 1981 Dec 5;2(8258):1293

Sugar 'n' spice— 'n' public relations. Blum A. **Med J Aust** 1982 Jul 10;2(1):16–9

Hypertension treated by sodium restriction. Morgan TO, et al. **Med J Aust** 1981 Oct 17;2(8):396–7

Sodium intake and sodium sensitivity [letter] Liebman BF. **Nutr Rev** 1981 Sep;39(9):350–1

Salt and hypertension [editorial] Simpson FO. **NZ Med J** 1982 Jun 23;95(710):420–1

Plasma renin activity and the response to sodium depletion in salt-losing congenital adrenal hyperplasia. Keenan BS, et al. **Pediatr Res** 1982 Feb;16(2):118–22

Severe hypertension, hyperkalemia, and renal tubular acidosis responding to dietary sodium restriction. Sanjad SA, et al. **Pediatrics** 1982 Mar;69(3):317–24

alpha-MSH at physiological concentrations stimulates 'late pathway' steroid products in adrenal zona glomerulosa cells from sodium restricted rats. Vinson GP, et al. **Peptides (Fayetteville)** 1981 Summer;2(2):141–4

Evidence for a dual action of converting enzyme inhibitor on blood pressure in normal man. Goldstone R, et al. **Prostaglandins** 1981 Oct;22(4):587–98

Diuretics, magnesium, potassium and sodium. Leary WP, et al. **S Afr Med J** 1982 Feb 20;61(8):279–80

Value of low-sodium diets questioned [news] Kolata G. **Science** 1982 Apr 2;216(4541):38–9

[Sodium restriction in young people. Report of an interventive study] Dorst KG, et al. **Med Welt** 1982 Jun 25;33(25):943 **(Ger)**

[Low-salt diet for patients with hypertension. Salt substitutes: an alternative?] Hobom B. **MMW** 1981 Oct 9;123(41):64–6 **(Ger)**

[A possibility for cooking salt restriction. Properties and composition of a new strictly sodium poor diet salt] Moest T, et al. **ZFA (Stuttgart)** 1981 Nov 10;57(31):2178–82 **(Ger)**

[Cardiac response to the cold pressor test in essential hypertension. Effect of saline depletion on the systolic interval] Fogari R, et al. **Boll Soc Ital Cardiol** 1980; 25(12):1397–1402 (Eng. Abstr.) **(Ita)**

[Salt-dependence of blood pressure and urinary kallikrein excretion in essential hypertension (author's transl)] Kojima S, et al. **Nippon Jinzo Gakkai Shi** 1981 Aug;23(8):1105–12 (Eng. Abstr.) **(Jpn)**

[Influence of sodium-restricted diet and food allergy in the treatment of epilepsy] Leite CE. **Arq Neuropsiquiatr** 1981 Sep;39(3):327–35 (Eng. Abstr.) **(Por)**

ADVERSE EFFECTS

Will persons on low-sodium diets become iodine deficient? [letter] Gillum RF. **Am Heart J** 1982 Jun;103(6):1084–5

Salt and hypertension [letter] Birbeck JA. **NZ Med J** 1982 Jul 28;95(712):518

STANDARDS

Dietary salt and hypertension. Morgan T, et al. **Aust Fam Physician** 1982 Apr;11(4):264–7

TRENDS

A community-based intervention study on the feasibility and effects of the reduction of salt intake in North Karelia, Finland. Tuomilehto J, et al. **Acta Cardiol (Brux)** 1981; 36(2):83–104

DIET SURVEYS see under **NUTRITION SURVEYS**

DIET, SYNTHETIC see **FOOD, FORMULATED**

DIETARY CALCIUM see **CALCIUM, DIETARY**

DIETARY CARBOHYDRATES

Scope and specificity of acarbose in slowing carbohydrate absorption in man. Jenkins DJ, et al. **Diabetes** 1981 Nov; 30(11):951–4

Relationship between rate of digestion of foods and post-prandial glycaemia. Jenkins DJ, et al. **Diabetologia** 1982 Jun;22(6):450–5

Obesity as addiction [letter] Crook WG. **Hosp Pract** 1982 Aug;17(8):21

Growth and rumen function of gnotobiotic lambs fed on starchy diets. Hobson PN, et al. **J Gen Microbiol** 1981 Sep; 126(Pt 1):219–20

Increased carbohydrate consumption induced by neonatal administration of monosodium glutamate to rats. Kanarek RB, et al. **Neurobehav Toxicol Teratol** 1981 Fall;3(3):343–50

Influence of dietary protein and carbohydrate on oxidative biotransformation of drugs in normal adults and children with asthma. **Nutr Rev** 1981 Jun;39(6):232–4

[Experience with an only carbohydrate limited diet among children with juvenile diabetes mellitus (typ I) (author's transl)] Kehrberg H, et al. **Monatsschr Kinderheilkd** 1982 Apr;130(4):221–4 (Eng. Abstr.) **(Ger)**

[Dissolution of sugar from sugar-containing foods in the oral cavity] Schiweck H, et al. **Z Ernahrungswiss** 1982 Jun; 21(2):146–69 **(Ger)**

[What is the relationship between sugar consumption and Crohn's disease? (editorial)] Hallak A, et al. **Harefuah** 1981 Aug;101(3–4):79–80 **(Heb)**

ADMINISTRATION & DOSAGE

Effect of different dietary carbohydrates on serum lipids in the rat. Ristić V, et al. **Acta Med Iugosl** 1981;35(5):335–41

Diurnal levels of lipids, glucose and insulin in type IV hyperlipidemic patients on high carbohydrate and high fat diet: comparison with normals. Mirani-Oostdijk CP, et al. **Acta Med Scand** 1981;210(4):277–82

Slow release dietary carbohydrate improves second meal tolerance. Jenkins DJ, et al. **Am J Clin Nutr** 1982 Jun; 35(6):1339–46

Comparison of carbohydrate-containing and carbohydrate-restricted hypocaloric diets in the treatment of obesity: effects of appetite and mood. Rosen JC, et al. **Am J Clin Nutr** 1982 Sep;36(3):463–9

Loss of weight, sodium and water in obese persons consuming a high- or low-carbohydrate diet. Rabast U, et al. **Ann Nutr Metab** 1981;25(6):341–9

Diet for diabetic children: a change in emphasis [editorial] Rayner PH. **Arch Dis Child** 1982 Jul;57(7):487–9

Sugar and human health. Wahlqvist ML. **Aust Fam Physician** 1981 Oct;10(10):818–9

Role of carbohydrates in the diet of industrialised countries. Southgate DA. **Bibl Nutr Dieta** 1981;(30):124–30

The caries experience and dietary habits of Edinburgh nursery school children. Blinkhorn AS. **Br Dent J** 1982 Apr 6;152(7):227–30

The effect of type and level of protein, fibre and starch on nitrogen excretion patterns in rats. Beames RM, et al. **Br J Nutr** 1981 Sep;46(2):301–13

Consumption of sweet foods among adolescents in Finland. Honkala E, et al. **Community Dent Oral Epidemiol** 1982 Jun;10(3):103–10

Dental caries and sugar intake, during and between meals, in children of an Israeli Kibbutz. Sgan-Cohen HD, et al. **Community Dent Oral Epidemiol** 1982 Feb;10(1):52–3

Sugar availability, sugar consumption and dental caries. Sreebny LM. **Community Dent Oral Epidemiol** 1982 Feb; 10(1):1–7

More about carbohydrates [letter] Jarrett RJ. **Diabetologia** 1981 Oct;21(4):427–8

Diurnal variations in blood intermediary metabolites in mild gestational diabetic patients and the effect of a carbohydrate-restricted diet. Potter JM, et al. **Diabetologia** 1982 Feb;22(2):68–72

Effect of high fat and high carbohydrate diets on adipose tissue pyruvate dehydrogenase and its activation by a plasma membrane-enriched fraction and insulin. Begum N, et al. **Endocrinology** 1982 Jun;110(6):1914–21

The influence of moderate prolonged exercise and a low carbohydrate diet on ethanol elimination and on metabolism. Schürch PM, et al. **Eur J Applied Physiol** 1982; 48(3):407–14

Insulin receptor binding increased by high carbohydrate low fat diet in non-insulin-dependent diabetics. Ward GM, et al. **Eur J Clin Invest** 1982 Apr;12(2):93–6

Dietary-induced rapid increase of rat jejunal sucrase and lactase activity in all regions of the villus. Yamada K, et al. **FEBS Lett** 1981 Jun 29;129(1):89–92

Adipose cellularity, serum glucose, insulin and cholesterol in polygenic obese mice fed high-fat or high-carbohydrate diets. Robeson BL, et al. **Growth** 1981 Autumn; 45(3):198–215

Oral effect of other carbohydrates. Krasse B. **Int Dent J** 1982 Mar;32(1):24–32 (20 ref.)

School snacking. **J Am Dent Assoc** 1982;Spec No:37C

The mechanisms of nitrogen sparing in fasting supplemented by protein and carbohydrate. Bistrian BR, et al. **J Clin Endocrinol Metab** 1981 Oct;53(4):874–8

Effects of a carbohydrate-free diet and sugar substitutes on dental plaque accumulation. Rateitschak-Plüss EM, et al. **J Clin Periodontol** 1982 May;9(3):239–51

No fallacy in a controlled carbohydrate diet. Black AE. **J Hum Nutr** 1981 Aug;35(4):245–6

Effects of dietary cholesterol and type of dietary carbohydrate on hepatic and plasma glycerides and phospholipids in the gerbil. Andersen DB, et al. **J Nutr** 1982 Jul;112(7):1425–36

Hepatic metabolites and amino acid levels during adaptation of rats to a high protein, carbohydrate-free diet. Peret J, et al. **J Nutr** 1981 Oct;111(10):1704–10

Dietary effects on metabolism of Yucatan miniature swine selected for low and high glucose utilization. Phillips RW, et al. **J Nutr** 1982 Jan;112(1):104–11

Effect of magnesium deficiency on lipid metabolism in rats fed a high carbohydrate diet. Rayssiguier Y, et al. **J Nutr** 1981 Nov;111(11):1876–83

Circadian variation of liver metabolites and amino acids in rats adapted to a high protein, carbohydrate-free diet. Robinson JL, et al. **J Nutr** 1981 Oct;111(10):1711–20

Multiple regression and response surface analyses of the effects of dietary protein, fat and carbohydrate on the body protein and fat gains in growing chicks. Toyomizu M, et al. **J Nutr** 1982 May;112(5):886–96

Nutritional significance of intestinal sucrase activity in rats. Kimura T, et al. **J Nutr Sci Vitaminol (Tokyo)** 1981; 27(5):485–8

Effects of Okinawan sugar cane rind on serum and liver cholesterol and triglyceride levels in the rat. Sho H, et al. **J Nutr Sci Vitaminol (Tokyo)** 1981;27(5):463–70

Nitrogen balance and hepatic gluconeogenesis in rats fed on diets containing various proportions of carbohydrate and fat. Takase S, et al. **J Nutr Sci Vitaminol (Tokyo)** 1981;

27(3):219–29

Optimal dietary therapy for obese adolescents: comparison of protein plus glucose and protein plus fat. Dietz WH Jr, et al. **J Pediatr** 1982 Apr;100(4):638–44

Modulation of leucine oxidation and turnover by graded amounts of carbohydrate intake in obese subjects. Adibi SA, et al. **Metabolism** 1982 Jun;31(6):578–88

The effect of short-term feeding of a high carbohydrate diet on HLD subclasses in normal subjects. Gonen B, et al. **Metabolism** 1981 Nov;30(11):1125–9

Effect of a glucosidase inhibitor on the metabolic response of diabetic rats to a high carbohydrate diet, consisting of starch and sucrose, or glucose. Gray RS, et al. **Metabolism** 1982 Jan;31(1):88–92

Metabolism of apolipoproteins CII, CIII1, CIII2 and VLDL-B in human subjects consuming high carbohydrate diets. Huff MW, et al. **Metabolism** 1982 May;31(5):493–8

Self-selected intake of carbohydrate, fat, and protein by obese (ob/ob) and lean mice. Romsos DR, et al. **Physiol Behav** 1982 Feb;28(2):301–5

Metabolic adaptations to starvation, semistarvation, and carbohydrate restriction. Aoki TT. **Prog Clin Biol Res** 1981; 67:161–77

Composition and biosynthesis of glomerular basement membrane in rats fed diets rich in sucrose. Price RG, et al. **Renal Physiol** 1980;3(1–6):49–55

Influence of feeding fructose on fructose and glucose absorption in rat jejunum and ileum. Bode C, et al. **Res Exp Med (Berl)** 1981;179(2):163–8

[On the requirements and dietary allowances of carbohydrates, fibers and trace elements (author's transl)] Hou XC. **Sheng Li Ko Hsueh Chin Chan** 1981 Feb; 12(2):152–6 **(Chi)**

[The stability of blood glucose under physical stress in relation to carbohydrate reducing diet, alcohol and training] Schürch PM, et al. **Schweiz Z Sportmed** 1981 Sep; 29(3):77–80 (Eng. Abstr.) **(Ger)**

[Long-term effects of various levels of dietary proteins as well as starch and sucrose as dietary carbohydrates on lipoprotein metabolism in the rat] Scharm M, et al. **Z Ernahrungswiss** 1982 Mar;21(1):57–66 (Eng. Abstr.) **(Ger)**

[Insulinemia in hypertriglyceridemia caused by long-term carbohydrate-rich diet] Młyński J. **Kardiol Pol** 1981; 24(9):611–7 (Eng. Abstr.) **(Pol)**

[Metabolic characteristics in nutrition with low-calorie 'survival' diets containing only readily assimilated carbohydrates] Popov IG, et al. **Kosm Biol Aviakosm Med** 1982 May–Jun;16(3):16–25 (Eng. Abstr.) **(Rus)**

[Apoprotein metabolic rate of high density lipoproteins in rat blood plasma normally and in exposure to an alimentary factor] Liapkov BG. **Vopr Med Khim** 1981 Sep–Oct; 27(5):686–9 (Eng. Abstr.) **(Rus)**

[Effect of antiatherosclerosis diet with different total caloric value on the level of high density lipoproteins cholesterol in patients with ischemic heart disease] Samsonov MA, et al. **Vopr Pitan** 1981 Sep–Oct;(5):15–20 **(Rus)**

[The effect of various types and amounts of carbohydrates on the morphological characteristics of the pancreas in the rat] Koko V, et al. **Acta Med Iugosl** 1982;36(1):47–56 (Eng. Abstr.) **(Scr)**

[Utilization of proteins in rats with different fat and saccharide intakes] Krajčovičová M, et al. **Vet Med (Praha)** 1982 Jan;27(1):45–56 (Eng. Abstr.) **(Slo)**

ADVERSE EFFECTS

Educating patients about sugar [editorial] Watson WG. **Am J Orthod** 1981 Sep;80(3):332–3

Tardy occurrence of adipocyte hyperplasia in cafeteria-fed rat. Mandenoff A, et al. **Am J Physiol** 1982 Mar; 242(3):R349–51

Respiratory failure and diabetic control [letter] Block MB. **Ann Intern Med** 1982 Apr;96(4):538

Respiratory failure precipitated by high carbohydrate loads. Covelli HD, et al. **Ann Intern Med** 1981 Nov;95(5):579–81

Osteoporotic effect of a high-carbohydrate diet (Keyes 2000) in golden hamsters. Saffar JL, et al. **Arch Oral Biol** 1981; 26(5):393–7

Further data on the osteoporotic effect of the Keyes 2000 diet in the hamster. Saffar JL, et al. **Arch Oral Biol** 1982; 27(2):181–2

The effect of dietary fructose and diabetes on the rat kidney. Boot-Handford RP, et al. **Br J Exp Pathol** 1981 Aug; 62(4):398–406

Modification of occurrence of caries in children by toothbrushing and sugar exposure in fluoridated and nonfluoridated areas. Hausen H, et al. **Community Dent Oral Epidemiol** 1981 Jun;9(3):103–7

Sucrose induced hypertriglyceridaemia: its mechanism and metabolic effects. Vrána A, et al. **Czech Med** 1982;5(1):9–15

The sugar-caries axis. Sreebny LM. **Int Dent J** 1982 Mar; 32(1):1–12 (96 ref.)

Effects of cholestyramine on low density lipoprotein binding sites on liver membranes from rabbits with endogenous hypercholesterolemia induced by a wheat starch-casein diet. Chao Y, et al. **J Biol Chem** 1982 Apr 10;257(7):3623–7

Retinopathic effect of sucrose-rich diets due to fructose. **Nutr Rev** 1982 Apr;40(4):117–18, 128 (5 ref.)

Hyperlipoproteinemia, atherosclerosis and nutrition. Debry G, et al. **Prog Clin Biol Res** 1981;77:811–20

ANALYSIS

Presweetened dry breakfast cereals: potential for dental danger. Shannon IL, et al. **ASDC J Dent Child** 1981 May–Jun;48(3):215–8

METABOLISM

Carbohydrates in pediatric nutrition—consumption, digestibility, and disease. Lebenthal E, et al. **Adv Pediatr** 1981;28:99–139 (166 ref.)

Effect of physical form of carbohydrate on the postprandial glucose, insulin, and gastric inhibitory polypeptide responses in type 2 diabetes. Collier G, et al. **Am J Clin Nutr** 1982 Jul;36(1):10–4

Differences in dietary-induced thermogenesis with various carbohydrates in normal and overweight men. Sharief NN, et al. **Am J Clin Nutr** 1982 Feb;35(2):267–72

Intraoperative explosion: methane gas and diet. Freund PR, et al. **Anesthesiology** 1981 Dec;55(6):700–1

Carbohydrate conservation in the obese: a theory to explain the ease of weight gain. Naismith DJ, et al. **Ann Nutr Metab** 1982;26(1):18–24

Starch blocker. Robertson DS. **Ariz Med** 1981 Nov; 38(11):848, 853

Sugar and sugar alcohols. Crapo PA. **ASDC J Dent Child** 1982 Mar–Apr;49(2):136–8 (16 ref.)

Metabolic effects of a mixed and a high-carbohydrate low-fat diet in man, measured over 24 h in a respiration chamber. Hurni M, et al. **Br J Nutr** 1982 Jan;47(1):33–43

Kinetics of large ciliate protozoa in the rumen of cattle given sugar cane diets. Leng RA, et al. **Br J Nutr** 1981 Sep; 46(2):371–84

Insulin resistance and carbohydrate oxidation in patients with chemical diabetes. Chevaux F, et al. **Diabete Metab** 1982 Jun;8(2):105–8

Is increased basal lipolysis in adipose tissue of fasted-refed rats related to cyclic-AMP-dependent mechanisms? Zapf J, et al. **Eur J Biochem** 1981 Oct;119(3):453–9

Competition for dietary fructose between Moniliformis (Acanthocephala) and growing rats. Crompton DW, et al. **Int J Parasitol** 1981 Dec;11(6):457–61

Carbohydrate fermentation in the large intestine of lambs. DeGregorio RM, et al. **J Anim Sci** 1982 Apr;54(4):855–62

Carbohydrate ingestion before exercise: comparison of glucose, fructose, and sweet placebo. Koivisto VA, et al. **J Appl Physiol** 1981 Oct;51(4):783–7

Metabolism of glucose, fructose and xylitol in normal and streptozotocin-diabetic rats. Hämäläinen MM, et al. **J Nutr** 1982 Jul;112(7):1369–78

Human milk feeding in premature infants: protein, fat, and carbohydrate balances in the first two weeks of life. Atkinson SA, et al. **J Pediatr** 1981 Oct;99(4):617–24

[Carbohydrate tolerance in the cirrhotic patient] Bel A, et al. **Med Chir Dig** 1981;10(8):661–3 **(Fre)**

[Uricemia and uric acid quantities in urine under unbalanced diet (author's transl)] Ruiz-Torres A, et al. **Aktuele Gerontol** 1981 Jul;11(4):129–31 (Eng. Abstr.) **(Ger)**

[Enzymatic properties of the brush border of enterocytes of different animals, and its role in the membrane digestion of proteins, fats and carbohydrates] Tsvetkova VA, et al. **Fiziol Zh SSSR** 1982 Apr;68(4):433–45 **(Rus)**

[Hyperinsulinism and peripheral resistance to insulin in a case of leprechaunism] Lambruschini N, et al. **An Esp Pediatr** 1981 Nov;15(5):492–7 (Eng. Abstr.) **(Spa)**

PHARMACODYNAMICS

Effect of an oral diet exclusively composed of carbohydrates on high density lipoprotein composition. Ameryckx JP, et al. **Acta Cardiol [Suppl] (Brux)** 1981;27:31–5

The effect of ketone bodies and dietary carbohydrate intake on protein metabolism. Sherwin RS. **Acta Chir Scand [Suppl]** 1981;507:30–40

The effects of sugar alcohols on metabolism of growing pigs. Näsi M, et al. **Acta Vet Scand** 1981;22(3–4):344–54

The role of dietary carbohydrates in muscle glycogen resynthesis after strenuous running. Costill DL, et al. **Am J Clin Nutr** 1981 Sep;34(9):1831–6

Effect of differences in source of dietary carbohydrate on plasma glucose and insulin responses to meals in patients with impaired carbohydrate tolerance. Coulston A, et al. **Am J Clin Nutr** 1981 Dec;34(12):2716–20

Reduction of postprandial plasma glucose by Bengal gram dal (Cicer arietinum) and rajmah (Phaseolus vulgaris). Dilawari JB, et al. **Am J Clin Nutr** 1981 Nov;34(11):2450–3

The influence of pentose on breath methane. McKay LF, et al. **Am J Clin Nutr** 1981 Dec;34(12):2728–33

Influence of carbohydrate intake soon plasma sorbitol concentration in normal subjects. Malaisse WJ, et al. **Am J Clin Nutr** 1981 Sep;34(9):1652–4

Effects of an oral load of partially hydrolyzed wheatflour on blood parameters and substrate utilization in man. Pittet PG, et al. **Am J Clin Nutr** 1981 Nov;34(11):2438–45

Lack of effect of dietary fiber on serum lipids, glucose, and insulin in healthy young men fed high starch diets. Ullrich IH, et al. **Am J Clin Nutr** 1982 Jul;36(1):1–9

Relative contribution of fat, protein, carbohydrate, and ethanol to intestinal hyperemia. Siregar H, et al. **Am J Physiol** 1982 Jan;242(1):G27–31

Effect of dietary carbohydrates and ethanol on the activity of microsomal drug-metabolizing enzymes in rat liver. Antal M, et al. **Ann Nutr Metab** 1981;25(4):239–44

Comparison of lipogenic responses to dietary glucose in selected mouse adipose tissues. Baker N, et al. **Ann Nutr Metab** 1981;25(4):245–54

Different effects of various carbohydrates on the metabolic rate in rats. Sharief N, et al. **Ann Nutr Metab** 1982; 26(1):66–72

Dietary effects on pancreatic exocrine function. Experiments on the isolated perfused rat pancreas. Sommer H, et al. **Ann Nutr Metab** 1981;25(6):381–8

A mechanism for the thiamin-sparing action of dietary xylitol in the rat. Rofe AM, et al. **Aust J Exp Biol Med Sci** 1982 Feb;60(Pt 1):101–11

An effect of diet on the activity of phosphofructokinase in rat heart. Clark MG, et al. **Biochem Biophys Res Commun** 1982 Mar 15;105(1):44–50

Effects of chronic modification of dietary fat and carbohydrate on the insulin, corticosterone and metabolic responses of rats fed acutely with glucose, fructose or ethanol. Brindley DN, et al. **Biochem J** 1981 Nov 15; 200(2):275–83

Effects of chronic modification of dietary fat and carbohydrate in rats. Lawson N, et al. **Biochem J** 1981 Nov 15;200(2):265–73

Serum lipoprotein and blood pressure levels in rhesus monkeys fed sucrose diets. Clevidence BA, et al. **Biochem Med** 1981 Apr;25(2):186–97

Dietary modification of metabolism and toxicity of chemical substances—with special reference to carbohydrate. Nakajima T, et al. **Biochem Pharmacol** 1982 Mar 15; 31(6):1005–11

Dietary regulation of pancreatic protein synthesis. I. Rapid and specific modulation of enzyme synthesis by changes in dietary composition. Dagorn JC, et al. **Biochim Biophys Acta** 1981 Jun 26;654(1):111–8

Dietary regulation of pancreatic protein synthesis. II. Kinetics of adaptation of protein synthesis and its effect on enzyme content. Lahaie RG, et al. **Biochim Biophys Acta** 1981 Jun 26;654(1):119–23

The effects of maternal carbohydrate (sucrose) supplementation on the growth of offspring of pregnancies with habitual caffeine consumption. Dunlop M, et al. **Biol Neonate** 1981;40(3–4):196–8

Response of rainbow trout (Salmo gairdneri) to increased levels of available carbohydrate in practical trout diets. Hilton JW, et al. **Br J Nutr** 1982 May;47(3):597–607

Quantitative topography of organelles in the liver. A combined histochemical and morphometric analysis. Riede UN, et al. **Cell Tissue Res** 1981;221(1):209–20

Effect of sucrose overfeeding on Na,K-ATPase-mediated 86Rb uptake in normal and ob/ob mice. Flier JS, et al. **Diabetes** 1981 Nov;30(11):975–8

The effects of equal caloric amounts of xylitol, sucrose and starch on insulin requirements and blood glucose levels in insulin-dependent diabetics. Hassinger W, et al. **Diabetologia** 1981 Jul;21(1):37–40

Changes in metabolism of rat kidney and liver caused by experimental diabetes and by dietary sucrose. Kang SS, et al. **Diabetologia** 1982 Apr;22(4):285–8

Low protein-high carbohydrate diet induces alterations in the serum thyronine-binding proteins in the rat. Young RA, et al. **Endocrinology** 1982 May;110(5):1607–12

Effect of fructose feeding on the activity of enzymes of glycolysis, gluconeogenesis, and the pentose phosphate shunt in the liver and jejunal mucosa of rats. Bode C, et al. **Horm Metab Res** 1981 Jul;13(7):379–83

Lipogenic responses to dietary glucose in selected rat adipose tissues. Kannan R, et al. **Indian J Biochem Biophys** 1981 Feb;18(1):47–50

The influence of low calorie (240 kcal/day) protein-carbohydrate diet on serum lipid levels in obese subjects. Schouten JA, et al. **Int J Obes** 1981;5(3):333–9

Metabolic effects of substituting carbohydrate for protein in a low-calorie diet: a prolonged study in obese patients. Yang MU, et al. **Int J Obes** 1981;5(3):231–6

Effects of host dietary fructose on experimentally stunted Moniliformis (Acanthocephala). Crompton DW, et al. **Int J Parasitol** 1982 Jun;12(2–3):117–21

Effect of dietary carbohydrates during hypocaloric treatment of obesity on peripheral thyroid hormone metabolism. Pasquali R, et al. **J Endocrinol Invest** 1982 Jan–Feb; 5(1):47–52

Erythropoietin production in fasted rats. Effects of thyroid hormones and glucose supplementation. Caro J, et al. **J Lab Clin Med** 1981 Dec;98(6):860–8

Disparate effects of infused nutrients on delayed glucoprivic feeding and hypothalamic norepinephrine turnover. Bellin SI, et al. **J Neurosci** 1981 Dec;1(12):1347–53

The role of gustatory and postingestive signals in the termination of delayed glucoprivic feeding and hypothalamic norepinephrine turnover. Ritter S, et al. **J Neurosci** 1981 Dec;1(12):1354–60

Effects of premature weaning on the metabolic response to dietary sucrose in adult rats. Back DW, et al. **J Nutr** 1982 May;112(5):978–85

Effects of diet on lipogenic enzyme activities in channel catfish hepatic and adipose tissue. Likimani TA, et al. **J Nutr** 1982 Jan;112(1):112–7

3-hydroxy-3-methylglutaryl coenzyme A reductase activity in the small intestine of rats fed non-purified and semipurified diets. Sugano M, et al. **J Nutr** 1982 Jan; 112(1):51–9

Effect of sucrose and Acarbose feeding on the development of streptozotocin-induced diabetes in the rat. Goda T, et al. **J Nutr Sci Vitaminol (Tokyo)** 1982 Feb;28(1):41-56

Effects os substitution of glucose-oligosaccharides by sucrose in a defined formula diet on intestinal disaccharidases, hepatic lipogenic enzymes and carbohydrate metabolism in young rats. Cha CJ, et al. **Metabolism** 1982 Jan; 31(1):57-66

Thermic effect of feeding in man: increased plasma norepinephrine levels following glucose but not protein or fat consumption. Welle S, et al. **Metabolism** 1981 Oct; 30(10):953-8

Effects of dietary carbohydrate on fasting levels of human growth hormone and cortisol. Gardner LB, et al. **Proc Soc Exp Biol Med** 1982 Jan;169(1):36-40

Influence of diet on CO2 production and ventilation in constant-load exercise. Hughson RL, et al. **Respir Physiol** 1981 Nov;46(2):149-60

Mechanism of increased gamma glutamyl transpeptidase after chronic alcohol consumption: hepatic microsomal induction rather than dietary imbalance. Shaw S, et al. **Subst Alcohol Actions Misuse** 1980;1(5-6):423-8

Interaction between nutrition and theophylline metabolism in children. Feldman CH, et al. **Ther Drug Monit** 1982; 4(1):69-76

PHYSIOLOGY

Reduction in oocyte number following prenatal exposure to a diet high in galactose. Chen YT, et al. **Science** 1981 Dec 4;214(4525):1145-7

THERAPEUTIC USE

Accelerated hypertriglyceridemia in patients on continuous ambulatory peritoneal dialysis - a preventable abnormality. Turgan C, et al. **Int J Artif Organs** 1981 Jul;4(4):158-60

Elevated cholesterol and bile acid synthesis in an adult patient with homozygous familial hypercholesterolemia. Reduction by a high glucose diet. Stacpoole PW, et al. **J Clin Invest** 1981 Nov;68(5):1166-71

TOXICITY

[Trive 1000 (letter)] Perenchio G. **Acta Chir Belg** 1981 Nov-Dec;80(6):404-5 **(Fre)**

DIETARY CHOLESTEROL see **CHOLESTEROL, DIETARY**

DIETARY FATS

Influence of linseed oil diet on the pattern of serum phospholipids in man. Beitz J, et al. **Acta Biol Med Ger** 1981;40(7-8):K31-K35

Effect of insulin on fat and protein deposition in diabetic lean and obese rats. Chan CP, et al. **Am J Physiol** 1982 Jan;242(1):E19-24

Effects of fat-free diet on fetal and maternal glucose-6-phosphate dehydrogenase and the timing of parturition in the mouse. Dresser BL, et al. **Biol Neonate** 1982;41(5-6):252-7

Change in health behaviour in relation to estimated coronary heart disease risk during a community-based cardiovascular disease prevention programme. Salonen JT, et al. **Int J Epidemiol** 1981 Dec;10(4):343-54

Absorption of milk fat on tooth enamel and the effect on debris accumulation. Heiferman A, et al. **Isr J Dent Med** 1981 Sep;29(1-2):61-3

Evaluation of two nutrition education modules for hospital staff members. Looker A, et al. **J Am Diet Assoc** 1982 Aug; 81(2):158-63

Changes in the distribution and composition of plasma high density lipoproteins after ingestion of fat. Tall AR, et al. **J Biol Chem** 1982 Jan 10;257(1):198-207

Diet and serum cholesterol in Seventh-day Adventists: a cross-sectional study showing significant relationships. Fraser GE, et al. **J Chronic Dis** 1981;34(9-10):487-501

Effects of dietary supplements of protected lipids on the concentration and transport of beta-carotene and cholesterol in bovine blood and milk: unusual chromatographic behaviour of the high-density lipoprotein with high levels of beta-carotene. Ashes JR, et al. **J Dairy Res** 1982 Feb;49(1):39-49

Diet and reproductive hormones: a study of vegetarian and nonvegetarian postmenopausal women. Armstrong BK, et al. **JNCI** 1981 Oct;67(4):761-7

Changes in nutritional state can affect the physical state of acetyl-CoA carboxylase. **Nutr Rev** 1981 Jun;39(6):247-8

Do low weight infants require nutrition with chain elongation-desaturation products of essential fatty acids? Clandinin MT, et al. **Prog Lipid Res** 1981;20:901-4

Influence of trans-90, trans-12-, and cis-12-octadecenoic acid isomers on fatty acid composition of human plasma lipids. Emken EA. **Prog Lipid Res** 1981;20:135-41

Dietary fish oils, plasma lipids and platelets in man. Harris WS, et al. **Prog Lipid Res** 1981;20:75-9

The role of (n-6) fatty acids and their metabolites in arterial thrombus formation. Hornstra G. **Prog Lipid Res** 1981; 20:407-13

Favorable influences of linoleic acid on the progression of diabetic micro- and macroangiopathy in adult onset diabetes mellitus. Houtsmuller AJ, et al. **Prog Lipid Res** 1981;20:377-86

Apparent digestibility of nutrients in diets varying in fat and P/S ratio. Olubajo OO, et al. **Prog Lipid Res** 1981;20:205-8

The relative importance of essential fatty acids of the linoleic and linolenic families: studies with an Eskimo diet. Sinclair HM. **Prog Lipid Res** 1981;20:897-9

The postprandial thermogenesis of different diets in rats. Eschrich H, et al. **Z Ernahrungswiss** 1982 Mar;21(1):43-50

Changes in composition and enzyme activities of mitochondrial and post-mitochondrial fractions of tissues of rats given mustard oil diet with carnitine and/or fish oil. Gill JK, et al. **Z Ernahrungswiss [Suppl]** 1981 Sep; 20(3):188-93

[Effect of long-time supply of medium-chain triglycerides on postprandial lipid metabolism and fatty acid pattern of membrane lipids in rats] Levaček MM, et al. **Nahrung** 1982; 26(1):77-87 (Eng. Abstr.) **(Ger)**

ADMINISTRATION & DOSAGE

Diurnal levels of lipids, glucose and insulin in type IV hyperlipidemic patients on high carbohydrate and high fat diet: comparison with normals. Mirani-Oostdijk CP, et al. **Acta Med Scand** 1981;210(4):277-82

Intervention of smoking and eating habits in healthy men carrying high risk for coronary heart disease. The Oslo Study. Hjermann I. **Acta Med Scand [Suppl]** 1981;651:281-4

Sucrose polyester and covert caloric dilution. Glueck CJ, et al. **Am J Clin Nutr** 1982 Jun;35(6):1352-9

Fecal bulk, energy intake, and serum cholesterol: regression response of serum cholesterol to apparent digestibility of dry matter and suboptimal energy intake in rats on fiber-fat diet. Normani MZ, et al. **Am J Clin Nutr** 1981 Oct; 34(10):2078-87

The effects of low cholesterol, high polyunsaturated fat, and low fat diets on plasma lipid and lipoprotein cholesterol levels in normal and hypercholesterolemic subjects. Schaefer EJ, et al. **Am J Clin Nutr** 1981 Sep;34(9):1758-63

Assessing methods for measuring compliance with a fat-controlled diet. Hyman MD, et al. **Am J Public Health** 1982 Feb;72(2):152-60

Removal and addition of bile in the intestine, and pancreatic colipase activity in the pig: effect of a high-lipid diet. Corring T, et al. **Ann Nutr Metab** 1982;26(2):77-82

Cholesterol homeostasis of skin fibroblasts after incubation with postabsorptive and postprandial lipoproteins. The effect of a fatty meal. Kenagy RD, et al. **Arteriosclerosis** 1982 Jul-Aug;2(4):290-5

Dietary lipids, sugar, fiber and mortality from coronary heart disease. Bivariate analysis of international data. Liu K, et al. **Arteriosclerosis** 1982 May-Jun;2(3):221-7

Effects of diabetes and high fat-high cholesterol diet on plasma lipid levels and on erythrocyte membrane composition. Bhandaru R, et al. **Atherosclerosis** 1982 Apr; 42(2-3):263-72

Serum lipoproteins of healthy persons fed a low-fat diet or a polyunsaturated fat diet for three months. A comparison of two cholesterol-lowering diets. Brussaard JH, et al. **Atherosclerosis** 1982 Apr;42(2-3):205-19

Diet-induced atrial endothelial damage--a scanning electron-microscopic study. Davenport WD Jr, et al. **Atherosclerosis** 1981 Oct;40(2):145-52

Experimental atherosclerosis in rabbits fed cholesterol-free diets. Kritchevsky D, et al. **Atherosclerosis** 1982 Feb; 41(2-3):279-84

Effects of high-fat diets on hepatic fatty acid oxidation in the rat. Isolation of rat liver peroxisomes by vertical-rotor centrifugation by using a self-generated, iso-osmotic, Percoll gradient. Neat CE, et al. **Biochem J** 1981 Apr 15; 196(1):149-59

Intestinal very low density lipoprotein secretion in rats fed various amounts of fat. Kalopissis AD, et al. **Biochim Biophys Acta** 1982 Apr 15;711(1):33-9

Content of phospholipids in human diets studied by the duplicate-portion technique. Akesson B. **Br J Nutr** 1982 Mar;47(2):223-9

High-fibre and low-fat diets in diabetes mellitus. Dodson PM, et al. **Br J Nutr** 1981 Sep;46(2):289-94

Effects of moderate increases in dietary polyunsaturated: saturated fat on plasma triglyceride and cholesterol levels in man. Kraemer FB, et al. **Br J Nutr** 1982 Mar; 47(2):259-66

Low dietary intake of linoleic acid predisposes to myocardial infarction. Simpson HC, et al. **Br Med J [Clin Res]** 1982 Sep 11;285(6343):683-4

Pyruvate dehydrogenase activity in the liver, brain and adipose-tissue of lipid-deprived developing rats. Effect of minute amounts of polyunsaturated fatty acids. Loriette C, et al. **Can J Neurol Sci** 1982 May;9(2):221-9

Electron spin resonance studies on intact cells and isolated lipid droplets from fatty acid-modified L1210 murine leukemia. Simon I, et al. **Cancer Res** 1982 Jul;42(7):2715-21

A randomised controlled trial of the effect of low fat diet advice on dietary response in insulin independent diabetic women. de Bont AJ, et al. **Diabetologia** 1981 Dec; 21(6):529-33

Effect of high fat and high carbohydrate diets on adipose tissue pyruvate dehydrogenase and its activation by a plasma membrane-enriched fraction and insulin. Begum N, et al. **Endocrinology** 1982 Jun;110(6):1914-21

Abnormalities of insulin secretory and lipolytic response to epinephrine produced by a high fat diet and electric stress in rats. Yamaguchi K, et al. **Endokrinologie** 1981 Dec; 78(2-3):253-61

Effects of marine oil diet on peroxisomes and mitochondria of rat liver. A combined biochemical and morphometric study. Christiansen EN, et al. **Eur J Cell Biol** 1981 Dec; 26(1):11-20

Minor dietary effects of HDL in physically active men. Kiens B, et al. **Eur J Clin Invest** 1981 Aug;11(4):265-71

Insulin receptor binding increased by high carbohydrate low fat diet in non-insulin-dependent diabetics. Ward GM, et al. **Eur J Clin Invest** 1982 Apr;12(2):93-6

Increased proliferation of the epithelium of the proximal alimentary tract of EFA-deficient rats: a light and electron microscopy study. Eynard AR, et al. **Exp Mol Pathol** 1982 Apr;36(2):135-43

Changes in high density lipoprotein subfractions during alimentary lipaemia. Mattock M, et al. **Experientia** 1981; 37(9):945-7

Adipose cellularity, serum glucose, insulin and cholesterol in polygenic obese mice fed high-fat or high-carbohydrate diets. Robeson BL, et al. **Growth** 1981 Autumn; 45(3):198-215

The blood-brain barrier in rats fed on diets high or low in saturated/unsaturated fat ratio. Phillips SC, et al. **J Neurol Sci** 1982 May;54(2):279-85

Effect of maternal diet on ganglioside distribution in fetal rat brain. Berra B, et al. **J Nutr** 1981 Nov;111(11):1980-4

Analysis of rat liver chromatin and nuclear proteins after nutritional variation 1,2. Castro CE, et al. **J Nutr** 1982 Jun; 112(6):1203-11

Influence of dietary cholesterol and fat on serum lipids in men. Chenoweth W, et al. **J Nutr** 1981 Dec; 111(12):2069-80

Cholesterolemic responses of rats to human-type diet ingredients. O'Brien BC, et al. **J Nutr** 1982 Aug; 112(8):1490-7

Responses of skeletal muscle protein synthesis and breakdown to levels of dietary protein and fat during growth in weaning rats. Smith CK, et al. **J Nutr** 1982 Feb; 112(2):255-62

Multiple regression and response surface analyses of the effects of dietary protein, fat and carbohydrate on the body protein and fat gains in growing chicks. Toyomizu M, et al. **J Nutr** 1982 May;112(5):886-96

Effect of high fat weanling diets containing either medium-chain triglycerides or long-chain triglycerides on the development of obesity in the Zucker rat. Turkenkopf IJ, et al. **J Nutr** 1982 Jul;112(7):1254-63

Nitrogen balance and hepatic gluconeogenesis in rats fed on diets containing various proportions of carbohydrate and fat. Takase S, et al. **J Nutr Sci Vitaminol (Tokyo)** 1981; 27(3):219-29

Optimal dietary therapy for obese adolescents: comparison of protein plus glucose and protein plus fat. Dietz WH Jr, et al. **J Pediatr** 1982 Apr;100(4):638-44

Effect of essential fatty acid deficiency and high fat diet on fatty acid composition of rat gingiva. Alam SQ, et al. **J Periodont Res** 1980 Nov;15(6):633-7

The effects of different concentrations of administered fat on the structure of columnar cells in the small intestine. Marenus KD, et al. **J Ultrastruct Res** 1982 Apr; 79(1):110-20

Enhancement of experimental pancreatic cancer in Syrian golden hamsters by dietary fat. Birt DF, et al. **JNCI** 1981 Dec;67(6):1327-32

Towards an improved lipid-lowering diet: additive effects of changes in nutrient intake. Lewis B, et al. **Lancet** 1981 Dec 12;2(8259):1310-3

Changing the national diet to reduce coronary heart disease [letter] Marr JW, et al. **Lancet** 1982 Jun 26;1(8287):1465

Practical low-fat diets [letter] Robbins C, et al. **Lancet** 1982 Feb 27;1(8270):505-6

Reduction of myocardial necrosis in male albino rats by manipulation of dietary fatty acid levels. Kramer JK, et al. **Lipids** 1982 May;17(5):372-82

Effect of low-fat, low-protein diet on blood viscosity factors [letter] Dintenfass L. **Med J Aust** 1982 Jun 26;1(13):543

Increased fat consumption induced by morphine administration in rats. Marks-Kaufman R. **Pharmacol Biochem Behav** 1982 Jun;16(6):949-55

Food intake after intragastric meals of short-, medium, or long-chain triglyceride. Maggio CA, et al. **Physiol Behav** 1982 May;28(5):921-6

Self-selected intake of carbohydrate, fat, and protein by obese (ob/ob) and lean mice. Romsos DR, et al. **Physiol Behav** 1982 Feb;28(2):301-5

Determination of the optimum dose of fats in the food of rats of different ages. Krajčovičová M, et al. **Physiol Bohemoslov** 1982;31(2):175-81

Rate of food passage (transit time) as influenced by level of supplemental fat. Mateos GG, et al. **Poult Sci** 1982 Jan; 61(1):94-100

Perturbation of the metabolism of essential fatty acids by dietary partially hydrogenated vegetable oil. Hill EG, et al. **Proc Natl Acad Sci USA** 1982 Feb;79(4):953-7

Diet-heart policy: tailoring to individual needs. Hulley SB, et al. **Prog Clin Biol Res** 1981;77:831-9

Sonography of the bile ducts after a fatty meal: an aid in detection of obstruction. Simeone JF, et al. **Radiology** 1982 Apr;143(1):211-5

Relationship between HDL-cholesterol and HDL-phospholipids in several conditions. Christophe A, et al. **Ric Clin Lab** 1982 Jan-Mar;12(1):113-6

[Therapy of hyperlipidemia with xanthinol nicotinate as

opposed to low fat diet] Baumann J, et al. **Med Welt** 1982 Jan 29;33(4):139–41 **(Ger)**

[Body composition of light and heavy rats in a high or low fat diet group] Hartmann K, et al. **Nahrung** 1981; 25(9):845–51 (Eng. Abstr.) **(Ger)**

[Nephrolithiasis after intestinal bypass: successful treatment with a low-fat diet] Perrochet F, et al. **Schweiz Med Wochenschr** 1981 Nov 14;111(46):1766–9 (Eng. Abstr.) **(Ger)**

[Apoprotein metabolic rate of high density lipoproteins in rat blood plasma normally and in exposure to an alimentary factor] Liapkov BG. **Vopr Med Khim** 1981 Sep–Oct; 27(5):686–9 (Eng. Abstr.) **(Rus)**

[Effect of prostaglandin E2 on metabolism of essential fatty acids in liver of rats fed with unbalanced diet] Buko VU, et al. **Vopr Pitan** 1981 Sep–Oct;(5):27–30 (Eng. Abstr.) **(Rus)**

[Effect of high-fat and high-protein diets on the enzyme activity participating in hydrochloric acid secretion] Khramtsov AV, et al. **Vopr Pitan** 1982 Jan–Feb;(1):36–8 (Eng. Abstr.) **(Rus)**

[Methods of determining the optimal intake of fats] Krajčovičová M, et al. **Cesk Fysiol** 1981;30(4):341–54 **(Slo)**

[Utilization of proteins in rats with different fat and saccharide intakes] Krajčovičová M, et al. **Vet Med (Praha)** 1982 Jan;27(1):45–56 (Eng. Abstr.) **(Slo)**

ADVERSE EFFECTS

Diet in the epidemiology of breast cancer. Graham S, et al. **Am J Epidemiol** 1982 Jul;116(1):68–75

Dietary-induced severe obesity: a rat model. Oscai LB. **Am J Physiol** 1982 Mar;242(3):R212–5

Recent trends in coronary risk factors in the USSR. Cooper R, et al. **Am J Public Health** 1982 May;72(5):431–40

Influence of native and randomized peanut oil on lipid metabolism and aortic sudanophilia in the vervet monkey. Kritchevsky D, et al. **Atherosclerosis** 1982 Mar;42(1):53–8

Yucatan miniature swine as a model for diet-induced atherosclerosis. Reitman JS, et al. **Atherosclerosis** 1982 May;43(1):119–32

Effect of dietary fat on pulmonary enzymes and toxicity during normobaric hyperoxia. Schatte CL, et al. **Aviat Space Environ Med** 1982 Jul;53(7):629–32

Neoplastic growth of carcinogen-treated mammary transplants as influenced by fat intake of donor and host. Ip C, et al. **Cancer Lett** 1981 Feb;11(4):277–83

Effect of selenium on azoxymethane-induced intestinal cancer in rats fed high fat diet. Soullier BK, et al. **Cancer Lett** 1981 May;12(4):343–8

Promotion by unsaturated fat of azaserine-induced pancreatic carcinogenesis in the rat. Roebuck BD, et al. **Cancer Res** 1981 Oct;41(10):3961–6

Interaction of dietary fat and the thymus in the induction of mammary tumors by 7,12-dimethylbenz(a)anthracene. Wagner DA, et al. **Cancer Res** 1982 Apr;42(4):1266–73

Cholesterol controversy—where do we go from here? 'Toward healthful diets' reevaluated. Heyden S, et al. **Cardiology** 1982;69(2):110–22

AHA diet recommendations [letter] Walker WJ. **Circulation** 1982 Aug;66(2):480

Ageing changes in Porton rats with spontaneously arising pituitary tumors. Horn PL, et al. **Exp Gerontol** 1981; 16(2):141–7

Ontogenetic alterations of the cerebral cortex in rat caused by a diet containing a lipid fraction extracted from yeast (Candida lipolytica) grown on N-alkanes. Gozzo S, et al. **Int J Neurosci** 1981;13(4):219–27

Dietary factors affecting the incidence of dietary fat-induced myocardial lesions. Clandinin MT, et al. **J Nutr** 1982 Apr; 112(4):825–8

Dietary obesity in rats: influence on carbohydrate metabolism. Schemmel R, et al. **J Nutr** 1982 Feb; 112(2):223–30

Trans fatty acids in tumor development [letter] Hunter JE. **JNCI** 1982 Aug;69(2):319–21

Meat and fat consumption and cancer mortality: A study of strict religious orders in Britain. Kinlen LJ. **Lancet** 1982 Apr 24;1(8278):946–9

Atherogenic hyperlipoproteinemia. The cellular and molecular biology of plasma lipoproteins altered by dietary fat and cholesterol. Mahley RW. **Med Clin North Am** 1982 Mar;66(2):375–402 (96 ref.)

Toxic edible oils [letter] Murray CH, et al. **Nature** 1981 Oct 1;293(5831):332

Influence of diet on mammary cancer. Carroll KK. **Nutr Cancer** 1981;2(4):232–6 (44 ref.)

Fusarium mycotoxins and the effects of high-fat diets. Schoental R. **Nutr Cancer** 1981;3(2):57–62

Diet and coronary artery disease—why the controversy? Zelis R. **Penn Med** 1982 Feb;85(2):55–8 (22 ref.)

Hyperlipoproteinemia, atherosclerosis and nutrition. Debry G, et al. **Prog Clin Biol Res** 1981;77:811–20

Obstacles to success in nutrition intervention programs. Diversity of scientific opinion. Story JA, et al. **Prog Clin Biol Res** 1981;67:517–21 (15 ref.)

Dietary fats and heart disease. Crawford MA, et al. **Prog Lipid Res** 1981;20:589–93

Naturally occurring food toxicants: toxic lipids. Dhopeshwarkar GA. **Prog Lipid Res** 1980;19(3–4):107–18 (129 ref.)

The possible involvement of dietary fats in atherosclerosis. Kummerow FA. **Prog Lipid Res** 1981;20:743–6

[Dietary fats and atherosclerosis] Skořepa J. **Cas Lek Cesk** 1982 Apr 2;121(13):385–90 (Eng. Abstr.) **(Cze)**

[Crohn's disease and nutritional lipids. Hypothesis on etiology of regional enteritis] Guthy E. **Dtsch Med Wochenschr** 1982 Jan 15;107(2):71–3 **(Ger)**

[Effect of antioxidants on lipid metabolism and fibrogenesis disorders in lung tissue in experimental silicosis] Babushkina LG, et al. **Vopr Med Khim** 1981;27(4):466–9 (Eng. Abstr.) **(Rus)**

[Inhibition of fibrinolysis by alimentary lipemia and the effect of trauma on tumor spread (author's transl)] Agostino D, et al. **Sangre (Barc)** 1981;26(3):269–75 **(Spa)**

ANALYSIS

Content of trans-octadecenoic acid in vegetarian and normal diets in Sweden, analyzed by the duplicate portion technique. Akesson B, et al. **Am J Clin Nutr** 1981 Nov; 34(11):2517–20

Sucking behaviour and milk intake of neonates in relation to milk fat content. Nysenbaum AN, et al. **Early Hum Dev** 1982 Apr;6(2):205–13

Lipids of guar seed meal (Cyamopsis tetragonoloba L. Taub). Singh SP, et al. **J Agric Food Chem** 1981 Sep–Oct; 29(5):907–9

Calculates vs. analyzed composition of four modified fat diets. Formulated to study effects in human subjects of kind and amount of dietary fat. Marshall MW, et al. **J Am Diet Assoc** 1982 Jun;80(6):537–49

Systematic identification of antioxidants in lards, shortenings, and vegetable oils by thin layer chromatography. Van Peteghem CH, et al. **J Assoc Off Anal Chem** 1981 Nov; 64(6):1331–5

DIAGNOSTIC USE

The role of dietary essential fatty acids and prostaglandins in reducing blood pressure. Iacono JM, et al. **Prog Lipid Res** 1981;20:349–64

IMMUNOLOGY

Dietary fat affects immune response, production of antiviral factors, and immune complex disease in NZB/NZW mice. Levy JA, et al. **Proc Natl Acad Sci USA** 1982 Mar; 79(6):1974–8

METABOLISM

Effect of intravenous administration of exogenous fats on the dynamics of plasmatic and erythrocytic lipids at rest and after physical exercise. Cholewa M, et al. **Acta Med Pol** 1981;22(2):127–39

Metabolism of trans fatty acids with emphasis on the effects of trans, trans-octadecadienoate on lipid composition, essential fatty acid, and prostaglandins: an overview. Kinsella JE, et al. **Am J Clin Nutr** 1981 Oct;34(10):2307–18

The effect of variations in dietary fatty acids on the fatty acid composition of erythrocyte phosphatidylcholine and phosphatidylethanolamine in human infants. Putnam JC, et al. **Am J Clin Nutr** 1982 Jul;36(1):106–14

On the possible inverse relationship between cancer and serum cholesterol [letter] Buck C. **Am J Epidemiol** 1982 May;115(5):794–5

Dietary lipids and serum cholesterol level: change in diet confounds the cross-sectional association. Shekelle RB, et al. **Am J Epidemiol** 1982 Apr;115(4):506–14 (48 ref.)

Permeability of intestinal capillaries: effects of fat absorption and gastrointestinal hormones. Granger DN, et al. **Am J Physiol** 1982 Mar;242(3):G194–201

Effect of fat feeding on intestinal alkaline phosphatase activity in tissue and serum. Young GP, et al. **Am J Physiol** 1981 Dec;241(6):G461–8

Screening for fat malabsorption. Rosenberg IH, et al. **Ann Intern Med** 1981 Dec;95(6):776–7

Incorporation of dietary 1-O-alkyldiacyl glycerols into tissue lipids of neonatal rats. Ahrné L, et al. **Ann Nutr Metab** 1982;26(3):162–70

Fat as an energy supplement for preterm infants. Hanmer OJ, et al. **Arch Dis Child** 1982 Jul;57(7):503–6

Protein and fat absorption in prolonged diarrhoea in infancy. Mann MD, et al. **Arch Dis Child** 1982 Apr;57(4):268–73

Three-dimensional structure of Golgi complex in rat intestinal epithelium and its morphological changes during fat absorption. Miyamoto T, et al. **Arch Histol Jpn** 1982 Feb;45(1):23–36

The composition of alkanes in exhaled air of rats as a result of lipid peroxidation in vivo. Effects of dietary fatty acids, vitamin E and selenium. Kivits GA, et al. **Biochim Biophys Acta** 1981 Sep 24;665(3):559–70

Effect of dietary polyunsaturated fatty acids on the activity and content of fatty acid synthetase in mouse liver. Schwartz RS, et al. **Biochim Biophys Acta** 1982 May 13; 711(2):316–26

Intravascular metabolism of an artificial transporter of triacylglycerols. Alterations of serum lipoproteins resulting from total parenteral nutrition with Intralipid. Untracht SH. **Biochim Biophys Acta** 1982 Apr 15;711(1):176–92

Metabolic effects of a mixed and a high-carbohydrate low-fat diet in man, measured over 24 h in a respiration chamber. Hurni M, et al. **Br J Nutr** 1982 Jan;47(1):33–43

Expansion of phospholipid pool size of rat intestinal villus cells during fat absorption. Shaikh NA, et al. **Can J Biochem** 1982 Apr;60(4):444–51

(omega-1)-Hydroxymonocarboxylic acids in urine of infants fed medium-chain triglycerides. Shigematsu Y, et al. **Clin Chem** 1981 Oct;27(10):1661–4

Analysis of platelets in nonhuman primates: II. Effects of varying dietary fatty acid ratios on platelet ultrastructure and function. Lewis JC, et al. **Exp Mol Pathol** 1981 Dec; 35(3):394–404

Parallel gastric emptying of nonhydrolyzable fat and water after a solid-liquid meal in humans. Cortot A, et al. **Gastroenterology** 1982 May;82(5 Pt 1):877–81

Fat absorption in germ-free and conventional rats artificially deprived of bile secretion. Demarne Y, et al. **Gut** 1982 Jan; 23(1):49–57

Cimetidine and fat malabsorption in children with cystic fibrosis. Schöni M, et al. **Helv Paediatr Acta** 1981 Sep; 36(4):359–69

Influence of protein and fat on the utilisation of carotene from drumstick (Moringa oleifera) leaves. Geervani P, et al. **Indian J Med Res** 1981 Oct;74:548–53

Acceptability and digestibility by adult cats of diets made with various sources and levels of fat. Kane E, et al. **J Anim Sci** 1981 Dec;53(6):1516–23

Effect of nutritional status on swine adipose tissue lipolytic activities. Steffen DG, et al. **J Anim Sci** 1981 Jun; 52(6):1306–11

Digestion of fat in calves fed milk replacers prepared by homogenization of low-pressure dispersion. Jenkins KJ, et al. **J Dairy Sci** 1981 Oct;64(10):1965–71

Studies on fat digestion, absorption, and transport in the suckling rat. I. Fatty acid composition and concentrations of major lipid components. Fernando-Warnakulasuriya GJ, et al. **J Lipid Res** 1981 May;22(4):668–74

Human tissue lipids: occurrence of fatty acid isomers from dietary hydrogenated oils. Ohlrogge JB, et al. **J Lipid Res** 1981 Aug;22(6):955–60

Studies on fat digestion, absorption, and transport in the suckling rat. II. Triacylglycerols: molecular species, stereospecific analysis, and specificity of hydrolysis by lingual lipase. Staggers JE, et al. **J Lipid Res** 1981 May; 22(4):675–9

Effects of garlic on lipid metabolism in rats fed cholesterol or lard. Chi MS, et al. **J Nutr** 1982 Feb;112(2):241–8

Gastric emptying of glucose and nutrient energy in meal-fed rats. Trout DL, et al. **J Nutr** 1982 Jun;112(6):1151–61

Human milk feeding in premature infants: protein, fat, and carbohydrate balances in the first two weeks of life. Atkinson SA, et al. **J Pediatr** 1981 Oct;99(4):617–24

Improved respiratory prognosis in patients with cystic fibrosis with normal fat absorption. Gaskin K, et al. **J Pediatr** 1982 Jun;100(6):857–62

Sequence of structural changes in columnar epithelium of small intestine during early stages of fat absorption. Marenus KD, et al. **J Ultrastruct Res** 1982 Apr; 79(1):92–109

Breast cancer and serum cholesterol. Hiatt RA, et al. **JNCI** 1982 Jun;68(6):885–9

Blood lipid patterns in Karachi. Ibrahim K, et al. **JPMA** 1981 Aug;31(8):164–71

Genes and nutrition in the regulation of human lipoprotein metabolism. Lewis B. **Klin Wochenschr** 1981 Sep 15; 59(18):1037–42

Trans-fatty acid analysis [letter] Applewhite TH. **Lipids** 1981 Sep;16(9):703–4

Interrelationship between dietary trans Fatty acids and the 6- and 9-desaturases in the rat. De Schrijver R, et al. **Lipids** 1982 Jan;17(1):27–34

Identification and quantification of prostaglandin E3 in renal medullary tissue of three strains of rats fed fish oil. Ferretti A, et al. **Lipids** 1981 Nov;16(11):800–4

Impaired intestinal fat absorption in chronic renal failure. Drukker A, et al. **Nephron** 1982;30(2):154–60

Body fat distribution and lipoprotein lipase activity in adipose tissue during pregnancy and lactation. **Nutr Rev** 1981 Sep; 39(9):343–4

Predilection of experimental arterial aneurysms for dietary-induced lipid deposition. Stehbens WE. **Pathology** 1981 Oct;13(4):735–47

Fat digestion in very low-birth-weight infants: effect of addition of human milk to low-birth-weight formula. Alemi P, et al. **Pediatrics** 1981 Oct;68(4):484–9

Effect of phagocytosed fat and casein on the intraphagosomal pH in bovine polymorphonuclear leukocytes. Reinitz DM, et al. **Proc Soc Exp Biol Med** 1982 Jul;170(3):281–5

Nutrition and chronic disease. Tashev T. **Prog Clin Biol Res** 1981;77:783–90

Dietary linoleic acid, accumulation of arachidonic acid in tissue lipids and production of TXB2 and PGI2 in the cardiovascular system. Agradi E, et al. **Prog Lipid Res** 1981; 20:561–4

Effects of dietary variation in linoleic acid content on prostaglandin synthesis in infants. Friedman Z. **Prog Lipid Res** 1981;20:59–66

Inhibition of fatty acid gastrointestinal absorption in vivo in the rat by parenteral administration of probenecid. Petroni A, et al. **Prog Lipid Res** 1981;20:815–7

Unsaturated fatty acids and human mononuclear cell function. Utermohlen V, et al. **Prog Lipid Res** 1981; 20:739–41

The postprandial thermogenesis of different diets in rats.

Eschrich H, et al. **Z Ernahrungswiss** 1982 Mar;21(1):43–50
[Different behaviour of fat absorption after solid–liquid and liquid meals (author's transl)] Cortot A, et al. **Gastroenterol Clin Biol** 1982 Apr;6(4):360–4 (Eng. Abstr.) **(Fra)**
[Uricemia and uric acid quantities in urine under unbalanced diet (author's transl)] Ruiz-Torres A, et al. **Aktule Gerontol** 1981 Jul;11(4):129–31 (Eng. Abstr.) **(Ger)**
[Digestion of fat and protein and its relation to the activity of faecal enzymes in mucoviscidosis infants under substitution therapy with pancreatic enzymes (author's transl)] Tolckmiti W, et al. **Klin Padiatr** 1981 Sep; 193(5):365–9 (Eng. Abstr.) **(Ger)**
[Intracellular sodium+ and magnesium2+ concentrations in diets containing fats of various degrees of saturation] Zidek W, et al. **Med Welt** 1982 Jul 2;33(26):955–6 **(Ger)**
[Nutrition in disorders of lipid metabolism] Oster P, et al. **Wien Med Wochenschr** 1982 Mar 15;132(5):97–100 **(Ger)**
[Study on fat absorption and plasma fatty acid composition in patients with protein–losing enteropathy from view point of disorders of intestinal lymphatics (author's transl)] Miura S, et al. **Nippon Shokakibyo Gakkai Zasshi** 1981 Nov; 78(11):2112–21 (Eng. Abstr.) **(Jpn)**
[Role of the enterohepatic circulation of endogenous lipids in food lipid absorption] Gal'perin IuM, et al. **Fiziol Zh SSSR** 1982 Jan;68(1):100–6 (Eng. Abstr.) **(Rus)**
[Enzymatic properties of the brush border of enterocytes of different animals, and its role in the membrane digestion of proteins, fats and carbohydrates] Tsvetkova VA, et al. **Fiziol Zh SSSR** 1982 Apr;68(4):433–45 **(Rus)**
[Participation of food lipids in regulating cholesterol biosynthesis in the body] Sharmanov TSh, et al. **Vopr Pitan** 1981 Jul–Aug;(4):3–7 (48 ref.) **(Rus)**
[Functional status of the small intestine in patients with cerebral circulatory disorders (clinico–radiologic study)] Murzaliev AM, et al. **Zh Nevropatol Psikhiatr** 1981; 81(9):1313–6 (Eng. Abstr.) **(Rus)**

PHARMACODYNAMICS

Effect of dietary trans fatty acids on the delta 5; delta 6 and delta 9 desaturases of rat liver microsomes in vivo. Mahfouz M. **Acta Biol Med Ger** 1981;40(12):1699–1705
Lipoprotein patterns in newborns. Influence of nutritional factors. Van Biervliet JP, et al. **Acta Cardiol [Suppl] (Brux)** 1981;27:69–81
New possibilities to influence blood lipids and atherosclerosis–proneness with semi–synthetic fats. Verdonk G, et al. **Acta Cardiol [Suppl] (Brux)** 1981;27:83–93
Influence of dietary linoleic acid content on blood pressure regulation in salt–loaded rats (with special reference to the prostaglandin system). Hoffmann P, et al. **Adv Lipid Res** 1981;18:203–27 (106 ref.)
The effect of various intakes of omega 3 fatty acids on the blood lipid composition in healthy human subjects. Bronsgeest–Schoute HC, et al. **Am J Clin Nutr** 1981 Sep; 34(9):1752–7
Blood pressure and diet in normotensive volunteers: absence of an effect of dietary fiber, protein, or fat. Brussaard JH, et al. **Am J Clin Nutr** 1981 Oct;34(10):2023–9
Serum lipids in humans fed diets containing beef or fish and poultry. Flynn MA, et al. **Am J Clin Nutr** 1981 Dec; 34(12):2734–41
Lightly hydrogenated soy oil versus other vegetable oils as a lipid–lowering dietary constituent. Laine DC, et al. **Am J Clin Nutr** 1982 Apr;35(4):683–90
Postprandial effects of dietary phosphatidylcholine on plasma lipoproteins in man. Simonsson P, et al. **Am J Clin Nutr** 1982 Jan;35(1):36–41
Changes in plasma lipid and lipoprotein fractions after alteration in dietary cholesterol, polyunsaturated, saturated, and total fat in free–living normal and hypercholesterolemic children. Stein EA, et al. **Am J Clin Nutr** 1982 Jun;35(6):1375–90
Influence of dietary modifications on uptake of cholesterol, glucose, fatty acids, and alcohols into rabbit intestine. Thomson AB. **Am J Clin Nutr** 1982 Mar;35(3):556–65
Effects of lecithin ingestion on plasma and lymph lipoproteins of normo– and hyperlipemic rats. Clark SB, et al. **Am J Physiol** 1981 Nov;241(5):G422–30
Response of the exocrine pancreas to quantitative and qualitative variations in dietary lipids. Saraux B, et al. **Am J Physiol** 1982 Jul;243(1):G10–5
Relative contribution of fat, protein, carbohydrate, and ethanol to intestinal hyperemia. Siregar H, et al. **Am J Physiol** 1982 Jan;242(1):G27–31
Effects of dietary milk fat (whole milk) and propionic acid on intestinal coliforms and lactobacilli in calves. Ward GE, et al. **Am J Vet Res** 1982 Jul;43(7):1165–7
Body lipids of guinea pigs exposed to different dietary fats from mid–gestation to 3 months of age. IV. Effect of food restriction at 3 months on the distribution and cellularity of adipose tissue. Kirtland J, et al. **Ann Nutr Metab** 1981; 25(3):165–77
Influence of physical training on the effects of dietary oils on cardiac morphology and phospholipids in rats. Rocquelin G, et al. **Ann Nutr Metab** 1981;25(6):350–61
Peroxisomal beta–oxidation of long fatty acids: effects of high fat diets. Osmundsen H. **Ann NY Acad Sci** 1982;386:13–29
The influence of dietary unsaturated cis and trans and saturated fatty acids on tissue lipids of swine. Elson CE, et al. **Atherosclerosis** 1981 Oct;40(2):115–37
Further observations on the effects of dietary fatty acid composition on platelet reactivity and blood coagulation in man and the influence of methodology on findings. Jakubowski JA, et al. **Atherosclerosis** 1982 Feb; 41(2–3):285–94
A new model for arteriosclerosis. An electron–microscopic study of the lesions induced by i.v. administered fat. Jellinek H, et al. **Atherosclerosis** 1982 May;43(1):7–18
Effect on saturated and unsaturated fat diets on lipid profiles of plasma lipoproteins. Kuksis A, et al. **Atherosclerosis** 1982 Feb;41(2–3):221–40
High density lipoproteins unaffected by dietary fat modification. Schwandt P, et al. **Atherosclerosis** 1982 Jul; 44(1):9–17
An effect of diet on the activity of phosphofructokinase in rat heart. Clark MG, et al. **Biochem Biophys Res Commun** 1982 Mar 15;105(1):44–50
Different lipid effects on hematic cholesterol. Maranesi M, et al. **Biochem Exp Biol** 1980;16(3):261–4
Effects of dietary fatty acids, prostaglandins and related compounds on the role of platelets in thrombosis. Srivastava KC. **Biochem Exp Biol** 1980;16(3):317–38 (122 ref.)
Effects of chronic modification of dietary fat and carbohydrate on the insulin, corticosterone and metabolic responses of rats fed acutely with glucose, fructose or ethanol. Brindley DN, et al. **Biochem J** 1981 Nov 15; 200(2):275–83
Dynamic modulation of mitochondrial inner–membrane lipids in rat heart by dietary fat. Innis SM, et al. **Biochem J** 1981 Jan 1;193(1):155–67
Dynamic modulation of mitochondrial membrane physical properties and ATPase activity by diet lipid. Innis SM, et al. **Biochem J** 1981 Jul 15;198(1):167–75
Mitochondrial–membrane polar–head–group composition is influenced by diet fat. Innis SM, et al. **Biochem J** 1981 Jul 15;198(1):231–4
Very–low–density–lipoprotein secretion by isolated hepatocytes of fat–fed rats. Kalopissis AD, et al. **Biochem J** 1981 Aug 15;198(2):373–7
Effects of chronic modification of dietary fat and carbohydrate in rats. Lawson N, et al. **Biochem J** 1981 Nov 15;200(2):265–73
The effects of dietary lipid and phenobarbitone on the production and utilization of NADPH in the liver. A combined biochemical and quantitative cytochemical study. Smith MT, et al. **Biochem J** 1981 Dec 15; 200(3):691–9
Effect of saturated and unsaturated fat diets on molecular species of phosphatidylcholine and sphingomyelin of human plasma lipoproteins. Myher JJ, et al. **Biochim Biophys Acta** 1981 Oct 23;666(1):110–9
Hormonal mediation of rat heart lipoprotein lipase activity after fat feeding. Pedersen ME, et al. **Biochim Biophys Acta** 1981 Oct 23;666(1):191–7
Regulation of mouse hepatic ATP–citrate lyase activity by dietary fat. Evidence for the presence of inactive enzyme. Schwartz RS, et al. **Biochim Biophys Acta** 1982 Jan 12; 714(1):101–13
Suppression of fatty acids synthesis in brown adipose tissue of mice fed diets rich in long chain fatty acids. Van den Brandt PA, et al. **Biochim Biophys Acta** 1981 Sep 24; 665(3):602–7
The maternal diet and its effect on the lipid composition and osmotic fragility of neonatal ovine erythrocytes. Shand JH, et al. **Biol Neonate** 1981;40(3–4):150–9
The effects of dietary omega 3 fatty acids on platelet composition and function in man: a prospective, controlled study. Goodnight SH Jr, et al. **Blood** 1981 Nov;58(5):880–5
The effect of a fat–rich diet on the ultrastructure of mesenteric arteries of the rat and their reaction to local desendothelialization. Potvliege PR, et al. **Br J Exp Pathol** 1982 Feb;63(1):116–23
Lipid metabolism in riboflavin–deficient rats. 1. Effect of dietary lipids on riboflavin status and fatty acid profiles. Olpin SE, et al. **Br J Nutr** 1982 May;47(3):577–96
Dietary linoleic acid and salt–induced hypertension. Macdonald MC, et al. **Can J Physiol Pharmacol** 1981 Aug; 59(8):872–5
Anticarcinogenic effect of selenium in rats treated with dimethylbenz[a]anthracene and fed different levels and types of fat. Ip C, et al. **Carcinogenesis** 1981;2(5):435–8
Sialic acid metabolism in nutritionally modulated mammary gland carcinogenesis. Fox OF, et al. **Cell Mol Biol** 1981; 27(5):473–82
Effects of low–zinc status and essential fatty acid deficiency on bone development and mineralization. Odutuga AA. **Comp Biochem Physiol [A]** 1982;71(3):383–8
The fatty acid composition of subcellular membranes of rat liver, heart, and brain: diet–induced modifications. Tahin QS, et al. **Eur J Biochem** 1981 Dec;121(1):5–13
Changes in the lipoproteins of rabbits on a high–fat, cholesterol–free diet; preventive action of metformin. Lacombe C, et al. **Experientia** 1981;37(8):854–5
Effects of dietary phospholipids and odd–chain fatty acids on the behavioural maturation of mice. Gozzo S, et al. **Food Chem Toxicol** 1982 Apr;20(2):153–7
Effects of a high fat diet and electric stress on adenylate cyclase activity and insulin release in isolated islets of Langerhans. Yamaguchi K, et al. **Horm Metab Res** 1982 Mar;14(3):117–21
Reduction of blood pressure associated with dietary polyunsaturated fat. Iacono JM, et al. **Hypertension** 1982 Sep–Oct;4(5 Pt 2):III34–42
Enhanced production of IgE and IgG antibodies associated with a diet enriched in eicosapentaenoic acid. Prickett JD, et al. **Immunology** 1982 Aug;46(4):819–26
Chronic effects of drugs on liver histology & serum aminotransferases in rabbits maintained on high fat diet. Belsare SD. **Indian J Exp Biol** 1981 Feb;19(2):135–8
Effects of dietary fat and vitamin E on the liquid composition and stability of veal during frozen storage. Shorland FB, et al. **J Agric Food Chem** 1981 Jul–Aug;29(4):863–71
Effect of tallow and choline chloride addition to the diet of sows milk composition, milk yield and preweaning pig performance. Boyd RD, et al. **J Anim Sci** 1982 Jan; 54(1):1–7
Physical characterization of lymph chylomicrons and very low density lipoproteins from nonhuman primates fed saturated dietary fat. Parks JS, et al. **J Biol Chem** 1981 Dec 25;256(24):12992–9
Effects of dietary cholesterol and fatty acids on plasma lipoproteins. Schonfeld G, et al. **J Clin Invest** 1982 May; 69(5):1072–80
Effect of dietary fat and cholesterol on uptake of oleic acid and triolein by everted sacs of bovine small intestine. Bitman J, et al. **J Dairy Sci** 1982 Jul;65(7):1148–54
Dietary fat effects on blood insulin, glucose utilization, and milk protein content of lactating cows. Palmquist DL, et al. **J Dairy Sci** 1981 Aug;64(8):1664–70
Measurement of hepatic sterol synthesis in the Mongolian gerbil in vivo using [3H]water: diurnal variation and effect of type of dietary fat. Mercer NJ, et al. **J Lipid Res** 1981 Jul;22(5):792–9
Different kinetic fates of apolipoproteins A–I and A–II from lymph chylomicra of nonhuman primates. Effect of saturated versus polyunsaturated dietary fat. Parks JS, et al. **J Lipid Res** 1982 Mar;23(3):410–21
Effect of dietary lipids on saliva composition. Alam AQ, et al. **J Nutr** 1982 May;112(5):990–6
Assessment of the essential fatty acid requirement in gerbils by polyunsaturated fatty acid ratio. Chu SH, et al. **J Nutr** 1981 Sep;111(9):1548–55
Effects of dietary long–chain fatty acids on the rat biosynthesis of unsaturated fatty acids in the rat. De Schrijver R, et al. **J Nutr** 1982 Apr;112(4):619–26
Effects of dietary fatty acids on delayed–type hypersensitivity in mice. Dewille JW, et al. **J Nutr** 1981 Nov; 111(11):2039–43
Role of dietary saturated fatty acids on lowering the incidence of heart lesions in male rats. Farnworth ER, et al. **J Nutr** 1982 Feb;112(2):231–40
Effects of diet on lipogenic enzyme activities in channel catfish hepatic and adipose tissue. Likimani TA, et al. **J Nutr** 1982 Jan;112(1):112–7
Dietary stress and development of resistance ot Listeria monocytogenes in mice. Petro TM, et al. J Nutr 1982 Aug; 112(8):1498–505
Effects of high glucose and high lard diets on the activities of rat liver glycosyltransferases. Tepperman HM, et al. **J Nutr** 1981 Oct;111(10):1734–41
The effect of dietary lipid on The binding of [3H] dihydroalprenolol and adenylate cyclase activity in rat atria. Wince LC, et al. **J Pharmacol Exp Ther** 1981 Dec; 219(3):625–31
Developmental changes in the accumulation of norepinephrine and the chronotropic effects of catecholamines in isolated rat atria as influenced by dietary lipid. Wince LC, et al. **J Pharmacol Exp Ther** 1982 Feb; 220(2):340–6
The influence of dietary branched–chain fatty acids on the fatty acid composition of tissue– lipids of rats. Smith A, et al. **J Sci Food Agric** 1982 May;33(5):421–30
Effects of dietary lipids on lactogenic hormone receptor binding in rat mammary tumors. Cave WT Jr, et al. **JNCI** 1982 Feb;68(2):319–24
Hepatic contribution to newly made fatty acids in adipose tissue in rats and inhibition of hepatic and extrahepatic lipogenesis from glucose by dietary corn oil. Baker N, et al. **Lipids** 1981 Aug;16(8):568–76
Essential fatty acid supplemented diet increases renal excretion of prostaglandin E2 and water in essential fatty acid deficient rats. Hansen HS. **Lipids** 1981 Nov; 16(11):849–54
Essential fatty acid–supplemented diet decreases renal excretion of immunoreactive arginine–vasopressin in essential fatty acid–deficient rats. Hansen HS. **Lipids** 1982 Apr;17(4):321–2
Effects of dietary 9–trans, 12–trans linoleate on arachidonic acid metabolism in rat platelets. Hwang DH, et al. **Lipids** 1982 Apr;17(4):307–13
Production of prostaglandins in homogenates of kidney medullae and cortices of spontaneously hypertensive rats fed menhaden oil. Schoene NW, et al. **Lipids** 1981 Nov; 16(11):866–9
Effects of the type of dietary fat at two levels of vitamin E in Wistar male rats during development and aging. IV. Biochemical and morphometric parameters of the heart. Porta EA, et al. **Mech Ageing Dev** 1982 Feb;18(2):159–99
The effects of fat feeding on apolipoprotein AI secretion from rat small intestinal epithelium. Alpers DH, et al. **Metabolism** 1982 Aug;31(8):784–90
Thermic effect of feeding in man: increased plasma

norepinephrine levels following glucose but not protein or fat consumption. Welle S, et al. **Metabolism** 1981 Oct; 30(10):953–8

Lack of effect of dietary fat on the growth and estrogen sensitivity of the MT-W9B transplantable mammary tumor. Ip MM, et al. **Nutr Cancer** 1981;3(1):27–34

Thromboxane A2 and prostacyclin formation in rats fed cod-liver or sunflower oil. **Nutr Rev** 1982 May;40(5):157–9 (8 ref.)

Influence of high fat diet on GI absorption of griseofulvin tablets in man. Khalafalla N, et al. **Pharmazie** 1981 Oct; 36(10):692–3

Effects of dietary fat on feed efficiency, reproductive performance, and in vitro lipogenesis by the turkey hen. Rosebrough RW, et al. **Poult Sci** 1981 Aug;60(8):1931–8

Obesity: does it modulate infectious disease and immunity? Edelman R. **Prog Clin Biol Res** 1981;67:327–37 (65 ref.)

The effect of diets high in either saturated or unsaturated fat on rabbit serum VLDL. Bauer JE, et al. **Prog Lipid Res** 1981;20:611–6

Essential fatty acids in relation to mammary carcinogenesis. Carroll KK, et al. **Prog Lipid Res** 1981;20:685–90

Effects of diets varying in fat and P/S ratio on blood pressure and blood lipids in adult men. Judd JT, et al. **Prog Lipid Res** 1981;20:571–4

The effect of dietary fatty acids on the incidence of cardiac lesions and changes in the cardiac phospholipids in male rats. Kramer JK, et al. **Prog Lipid Res** 1981;20:491–9

Control of replication by dietary lipids and namely by linoleic acid in liver and adipose tissue of developing rats. Launay M, et al. **Prog Lipid Res** 1981;20:331–8

alpha-Linolenic and linoleic acids and the immune response. Marshall LA, et al. **Prog Lipid Res** 1981;20:731–4

Effects of dietary alpha-linolenic acid on the production of a PGI-like substance of the isolated pulsatingly perfused rat aorta. Quadt JF, et al. **Prog Lipid Res** 1981;20:581–5

The effect of dietary lipids on clotting times and rat serum and urine prostaglandin concentrations. Steinberg LY, et al. **Prog Lipid Res** 1981;20:485–9

Tetraene and pentaene leukotrienes: selective production from murine mastocytoma cells after dietary manipulation. Murphy RC, et al. **Prostaglandins** 1981 Oct;22(4):613–22

Dietary administration of eicosapentaenoic and linolenic acid increases arterial blood pressure and suppresses vascular prostacyclin synthesis in the rat. Scherhag R, et al. **Prostaglandins** 1982 Mar;23(3):369–82

Augmented acute hypotensive effect of dihydralazine and clonidine after linoleic acid rich diet in normotensive conscious rats. Hoffmann P, et al. **Prostaglandins Leukotrienes Med** 1982 Apr;8(4):335–41

Influence of dietary linoleic acid on the prostacyclin-production of the isolated pulsatingly perfused rabbit aorta. Voss R, et al. **Prostaglandins Leukotrienes Med** 1982 May;8(5):503–16

Effect of dietary lipid on locomotor activity and response to psychomotor stimulants. Brenneman DE, et al. **Psychopharmacology (Berlin)** 1982;76(3):260–4

The effect of cod liver oil and corn oil on platelets and vessel wall in man. Brox JH, et al. **Thromb Haemost** 1981 Oct; 46(3):604–11

Inhibitory effect of alcohol on platelet functions of rats fed saturated fats. McGregor L, et al. **Thromb Res** 1981 Apr 1–15;22(1–2):221–5

Protection against the cardiotoxic effect of isoproterenol-HCl by dietary polyunsaturated fatty acids and exercise. Crandall DL, et al. **Toxicol Appl Pharmacol** 1982 Jan;62(1):152–7

The distribution of cholesterol between lipoprotein fractions of serum from rabbits fed semipurified diets containing casein and either coconut oil or corn oil. Beynen AC, et al. **Z Tierphysiol Tiernahr Futtermittelkd** 1981;46(5):233–9

[Utilization of proteins as related to protein and fat intake] Krajčovičová M, et al. **Nahrung** 1981;25(7):647–54 (Eng. Abstr.) **(Ger)**

[Effect of high-fat diet on the contents of total cholesterol, free cholesterol and esterified cholesterol in the serum and liver of rats] Pflugradt K, et al. **Nahrung** 1981;25(10):937–41 (Eng. Abstr.) **(Ger)**

[Protein and energy requirements of growing carp (Cyprinus carpio L.). II. Effect of additional fat in rations of various protein and carbohydrate content on growth and body composition] Eckhardt O, et al. **Z Tierphysiol Tiernahr Futtermittelkd** 1982;47(4):186–96 (Eng. Abstr.) **(Ger)**

[Activity of cholesterol acyltransferase and cholesterol esterase in liver subcellular fractions of rabbits fed a cholesterol supplemented ration] Finagin LK, et al. **Ukr Biokhim Zh** 1981 Jul–Aug;53(4):69–73 (Eng. Abstr.) **(Rus)**

POISONING

Modification of mammary carcinogenesis and tissue peroxidation by selenium deficiency and dietary fat. Ip C. **Nutr Cancer** 1981;2(3):136–42

THERAPEUTIC USE

Treatment of lithium-induced tremor and familial essential tremor with essential fatty acids. Lieb J, et al. **Prog Lipid Res** 1981;20:535–7

Effect of a diet containing fish oil on blood pressure in spontaneously hypertensive rats. Schoene NW, et al. **Prog Lipid Res** 1981;20:569–70

Attenuation of blood pressure increase in spontaneously hypertensive rats by diets enriched with polyunsaturated fatty acids. Hoffmann P, et al. **Prostaglandins Leukotrienes Med** 1982 Feb;8(2):151–6

[Evaluation of the action of a fat diet on the state of the liver poisoned by carbon tetrachloride] Sadykh-zade KS, et al. **Vopr Pitan** 1981 Jul–Aug;(4):14–7 (Eng. Abstr.) **(Rus)**

TOXICITY

Evaluation of mutagenic activity of cooking oil vapors by mouse sperm abnormality test. Kam JK. **Environ Res** 1982 Apr;27(2):261–5

[Trive 1000 (letter)] Perenchio G. **Acta Chir Belg** 1981 Nov–Dec;80(6):404–5 **(Fre)**

DIETARY FIBER

The role of dietary fiber in lipid metabolism. Story JA. **Adv Lipid Res** 1981;18:229–46 (86 ref.)

Effect of naturally occurring dietary fibre in Western foods on blood glucose. Simpson RW, et al. **Aust NZ J Med** 1981 Oct;11(5):484–7

A method to measure the water-holding properties of dietary fibre using suction pressure. Robertson JA, et al. **Br J Nutr** 1981 Sep;46(2):247–55

Plant fiber content of selected breakfast cereals. Anderson JW, et al. **Diabetes Care** 1982 Jul–Aug;4(4):490–2

Relationship between rate of digestion of foods and post-prandial glycaemia. Jenkins DJ, et al. **Diabetologia** 1982 Jun;22(6):450–5

Dietary fiber and personality factors as determinants of stool output. Tucker DM, et al. **Gastroenterology** 1981 Nov; 81(5):879–83

Dietary fiber: is it really helpful? Burkitt DP. **Geriatrics** 1982 Jan;37(1):119–26

Dietary fiber consumption in an adult Dutch population. Van Staveren WA, et al. **J Am Diet Assoc** 1982 Apr; 80(4):324–30

Should we eat more fibre? Stephen AM. **J Hum Nutr** 1981 Dec;35(6):403–14

Cholesterol, bile acid and bile salt adsorption to bran in vitro. Salvioli G, et al. **Pharmacol Res Commun** 1981 Apr; 13(4):413–21

Western diseases and their emergence related to diet. Burkitt DP. **S Afr Med J** 1982 Jun 26;61(26):1013–5

Dietary fibre, bacterial metabolism and toxicity of nitrate in the rat. Wise A, et al. **Xenobiotica** 1982 Feb;12(2):111–8

Plasma digoxin concentrations during administration of dietary fibre (guar gum) in man. Lembcke B, et al. **Z Gastroenterol** 1982 Mar;20(3):164–7

[The effect of feeding sawdust and fodder cut into various lengths on rumen fermentation] Baran M, et al. **Vet Med (Praha)** 1982 Feb;27(2):65–74 (Eng. Abstr.) **(Slo)**

ADMINISTRATION & DOSAGE

Dietary supplementation of fibre (Lunelax) as a mean to reduce postprandial glucose in diabetics. Sartor G, et al. **Acta Med Scand [Suppl]** 1981;656:51–3

Slow release dietary carbohydrate improves second meal tolerance. Jenkins DJ, et al. **Am J Clin Nutr** 1982 Jun; 35(6):1339–46

Fecal bulk, energy intake, and serum cholesterol: regression response of serum cholesterol to apparent digestibility of dry matter and suboptimal energy intake in rats on fiber-fat diet. Normani MZ, et al. **Am J Clin Nutr** 1981 Oct; 34(10):2078–87

Alterations of fecal steroid composition induced by changes in dietary fiber consumption. Ullrich IH, et al. **Am J Clin Nutr** 1981 Oct;34(10):2054–60

Effect of dietary fiber on the oral glucose tolerance test in pregnancy. Gabbe SG, et al. **Am J Obstet Gynecol** 1982 Jul 1;143(5):514–7

Whole foods and increased dietary fibre improve blood glucose control in diabetic children. Kinmonth AL, et al. **Arch Dis Child** 1982 Mar;57(3):187–94

Dietary lipids, sugar, fiber and mortality from coronary heart disease. Bivariate analysis of international data. Liu K, et al. **Arteriosclerosis** 1982 May-Jun;2(3):221–7

Dietary wheaten bran in baboons: long-term effect on the morphology of the digestive tract and aorta, and on tissue mineral concentrations. Kriek NP, et al. **Br J Exp Pathol** 1982 Jun;63(3):254–68

The effect of type and level of protein, fibre and starch on nitrogen excretion patterns in rats. Beames RM, et al. **Br J Nutr** 1981 Sep;46(2):301–13

The effect of different levels of wheat bran on iron absorption in rats from bread containing similar amounts of phytate. Fairweather-Tait SJ. **Br J Nutr** 1982 Mar;47(2):243–9

Effects of removal of the forestomach and caecum on the utilization of dietary urea in golden hamsters (Mesocricetus auratus) given two different diets. Sakaguchi E, et al. **Br J Nutr** 1981 Nov;46(3):503–12

Effect of high-fibre diet on haemostatic variables in diabetes. Simpson HC, et al. **Br Med J [Clin Res]** 1982 May 29; 284(6329):1608

Semipurified dietary fiber and small-bowel morphology in rats. Tasman-Jones C, et al. **Dig Dis Sci** 1982 Jun; 27(6):519–24

High-fiber diet reduces bleeding and pain in patients with hemorrhoids: a double-blind trial of Vi-Siblin. Moesgaard F, et al. **Dis Colon Rectum** 1982 Jul–Aug;25(5):454–6

Sustained pectin ingestion delays gastric emptying. Schwartz SE, et al. **Gastroenterology** 1982 Oct;83(4):812–7

A high-fiber diet does not cause mineral and nutrient deficiencies. Rattan J, et al. **J Clin Gastroenterol** 1981 Dec; 3(4):389–93

Vitamin B12 administration for milk fat synthesis in lactating dairy cows fed a low fiber diet. Croom WJ Jr, et al. **J Dairy Sci** 1981 Jul;64(7):1555–60

Effects of intraruminal infusions of mineral salts on volatile fatty acid production in steers fed high-grain and high-roughage diets. Rogers JA, et al. **J Dairy Sci** 1982 Jun;65(6):953–62

Effect of increasing the bulk content of the diet on the rat parotid gland and saliva. Johnson DA, et al. **J Dent Res** 1982 May;61(5):691–6

Effects of fiber on digestibility and transit time in dogs. Burrows CF, et al. **J Nutr** 1982 Sep;112(9):1726–32

Method of addition of cellulose to experimental diets and its effect on rat growth and protein utilization. Delorme CB, et al. **J Nutr** 1981 Sep;111(9):1522–7

Feeding responses of riboflavin-deficient rats to energy dilution, cold exposure and glucoprivation. Matsuo T, et al. **J Nutr** 1982 Jun;112(6):1052–6

Dietary fibre and 10-year mortality from coronary heart disease, cancer, and all causes. The Zutphen study. Kromhout D, et al. **Lancet** 1982 Sep 4;2(8297):518–22

Prophylactic effect of dietary fibre in duodenal ulcer disease. Rydning A, et al. **Lancet** 1982 Oct 2;2(8301):736–9

Fibres, nutrition and the gut. Schrijver M, et al. **Neth J Med** 1982;25(2):49–55 (70 ref.)

Plantix (fiber) deficiency in animal physiopathology. Laplace JP, et al. **World Rev Nutr Diet** 1981;37:84–176 (540 ref.)

[Effect of different types of diet on various biochemical aspects of digestive processes in sheep] Gabrovska L, et al. **Vet Med Nauki** 1982;19(2):57–62 (Eng. Abstr.) **(Bul)**

[On the requirements and dietary allowances of carbohydrates, fibers and trace elements (author's transl)] Hou XC. **Sheng Li Ko Hsueh Chin Chan** 1981 Feb; 12(2):152–6 **(Chi)**

[Dietary fiber] Chevrel B. **Med Chir Dig** 1982;11(2):147–9 **(Fre)**

[Cholesterol- and weight reduction with a formula diet containing protein and legumes] Matzkies F, et al. **Fortschr Med** 1981 Feb 12;99(6):195–9 (Eng. Abstr.) **(Ger)**

ADVERSE EFFECTS

Is bran useful in diverticular disease? [letter] Allen-Mersh T, et al. **Br Med J [Clin Res]** 1982 Mar 6;284(6317):740

High roughage diet and surgical diseases in Afghanistan. McCredie JA, et al. **J R Coll Surg Edinb** 1982 Jan; 27(1):38–41

[Negative effects of dietary bulk] Rabast U, et al. **Med Klin [Prax]** 1982 Apr 9;77(8):42–9 **(Ger)**

ANALYSIS

Analysis of fiber components [letter] Marlett JA, et al. **Am J Clin Nutr** 1982 Jan;35(1):175–6

Plant fiber in selected cereals [letter] Mongeau R. **Am J Clin Nutr** 1982 Feb;35(2):407–8

Phytate:zinc molar ratio, mineral, and fiber content of three hospital diets. Ellis R, et al. **J Am Diet Assoc** 1982 Jul; 81(1):26–9

Comparison of dietary fiber methods for foods. Heckman MM, et al. **J Assoc Off Anal Chem** 1981 Nov;64(6):1339–43

CLASSIFICATION

Terminology of dietary fiber. Southgate DA, et al. **Prog Clin Biol Res** 1981;77:219–22

ISOLATION & PURIFICATION

Isolation, purification, and characterization of a complex heteroxylan from industrial wheat bran. Brillouet JM, et al. **J Agric Food Chem** 1982 May-Jun;30(3):488–95

METABOLISM

Long-term feeding of unavailable carbohydrate gelling agents. Influence of dietary concentration and microbiological degradation on adaptive responses in the rat. Elsenhans B, et al. **Am J Clin Nutr** 1981 Sep; 34(9):1837–48

Components of fiber bind iron in vitro. Fernandez R, et al. **Am J Clin Nutr** 1982 Jan;35(1):100–6

Indigestible residue or dietary fiber? [letter] Trowell H. **Am J Clin Nutr** 1982 Jul;36(1):194–5

Wheat bran increases high-density-lipoprotein cholesterol in the rat. Asp NG, et al. **Br J Nutr** 1981 Nov;46(3):385–93

High-fibre and low-fat diets in diabetes mellitus. Dodson PM, et al. **Br J Nutr** 1981 Sep;46(2):289–94

The effect of dietary fibre sources on aflatoxicosis in the weanling male rat. Frape DL, et al. **Br J Nutr** 1981 Sep; 46(2):315–26

THe effects of the gut microflora and dietary fibre on energy utilization by the chick. Hegde SN, et al. **Br J Nutr** 1982 Jul;48(1):73–80

Fermentation of dietary fibre components in the rat intestinal tract. Nyman M, et al. **Br J Nutr** 1982 May;47(3):357–66

Comparative digestion of timothy (Phleum pratense) fibre by ruminants, equines and rabbits. Udén P, et al. **Br J Nutr** 1982 Mar;47(2):267–72

Lack of beneficial effects of wheat bran cereals on cholesterol balance in swine. Kim DN, et al. **Exp Mol Pathol** 1981 Dec;35(3):301–13

Quantification of the fate of dietary fiber in humans by a newly developed radiolabeled fiber marker. Carryer PW, et al. **Gastroenterology** 1982 Jun;82(6):1389–94

Scanning electron microscopy of acid detergent fiber digestion by rumen microorganisms. Barton FE 2d, et al. **J Agric Food Chem** 1981 Sep–Oct;29(5):899–903

Utilization of bamboo by the giant panda. Dierenfeld ES, et al. **J Nutr** 1982 Apr;112(4):636–41

Plant fiber intake in the pediatric diet [letter] Walker AR, et al. **Pediatrics** 1982 Jan;69(1):130–1

The effect of different fiber sources on the neutral steroid excretions of hypercholesterolemic casein fed rabbits. Martinez de Prado MT, et al. **Rev Esp Fisiol** 1981 Dec; 37(4):407–12

Nutritional value of plantix (fiber) in animal feeding. Laplace JP, et al. **World Rev Nutr Diet** 1981;37:177–228 (274 ref.)

[Effect of a fiber-containing dietary formula on metabolism] Matzkies F, et al. **Fortschr Med** 1982 May 20; 100(19):917–20 (Eng. Abstr.) **(Ger)**

PHARMACODYNAMICS

Blood pressure and diet in normotensive volunteers: absence of an effect of dietary fiber, protein, or fat. Brussaard JH, et al. **Am J Clin Nutr** 1981 Oct;34(10):2023–9

Effect of fiber in sorghum on nitrogen digestibility. Cornu A, et al. **Am J Clin Nutr** 1981 Nov;34(11):2454–9

Components of fiber impair iron absorption in the dog. Fernandez R, et al. **Am J Clin Nutr** 1982 Jan;35(1):107–12

The effect of rolled oats on blood lipids and fecal steroid excretion in man. Judd PA, et al. **Am J Clin Nutr** 1981 Oct;34(10):2061–7

Effect of fiber from fruits and vegetables on metabolic responses of human subjects: fiber intakes, fecal excretions, and apparent digestibilities. Kelsay JL, et al. **Am J Clin Nutr** 1981 Sep;34(9):1849–52

Effect of fiber on breath hydrogen response and symptoms after oral lactose in lactose malabsorbers. Nguyen KN, et al. **Am J Clin Nutr** 1982 Jun;35(6):1347–51

The effect of dietary citrus pectin on the excretion of human fecal neutral and acid steroids and the activity of 7alpha-dehydroxylase and beta-glucuronidase. Ross JK, et al. **Am J Clin Nutr** 1981 Oct;34(10):2068–77

Limits of predicting gastrointestinal transit time from other measures of bowel function. Slavin JL, et al. **Am J Clin Nutr** 1981 Oct;34(10):2111–6

The effect of coarse and fine Canadian Red Spring Wheat and French Soft Wheat bran on colonic motility in patients with diverticular disease. Smith AN, et al. **Am J Clin Nutr** 1981 Nov;34(11):2460–3

Lack of effect of dietary fiber on serum lipids, glucose, and insulin in healthy young men fed high starch diets. Ullrich IH, et al. **Am J Clin Nutr** 1982 Jul;36(1):1–9

The effect of bran on bowel function in constipation. Graham DY, et al. **Am J Gastroenterol** 1982 Sep;77(9):599–603

Refined foods. Bender AE. **Bibl Nutr Dieta** 1981;(30):160–5

Physiological effects of fibre-rich types of bread. 1. The effect of dietary fibre from bread on the mineral balance of young men. Van Dokkum W, et al. **Br J Nutr** 1982 May;47(3):451–60

Effect of dietary wheat bran and dehydrated citrus fiber on 3,2'-dimethyl-4-aminobiphenyl-induced intestinal carcinogenesis in F344 rats. Reddy BS, et al. **Carcinogenesis** 1981;2(1):21–5

Blood glucose and insulin levels in normal subjects following a meal with and without added sugar beet pulp. Tredger J, et al. **Diabete Metab** 1981 Sep;7(3):169–72

1,2-Dimethylhydrazine-induced changes in hepatic, small intestinal, and colonic mucosal cytochromes P-450 and b5 of rats fed citrus pulp or wheat bran. Smith-Barbaro P, et al. **Drug Metab Dispos** 1981 Sep–Oct;9(5):487–8

Effects of guar on plasma viscosity and related parameters in diabetic children. Koepp P, et al. **Eur J Pediatr** 1981 Sep;137(1):31–3

Effects of dietary bran and the colon carcinogen 1,2-dimethylhydrazine on faecal beta-glucuronidase activity in mice. London JF, et al. **Food Cosmet Toxicol** 1981 Dec;19(6):707–11

More on dietary fiber and carbohydrate metabolism [letter] Blackburn NA, et al. **Gastroenterology** 1982 Apr;82(4):821

Effect of dietary fiber on pancreatic enzyme activity in vitro. Isaksson G, et al. **Gastroenterology** 1982 May;82(5 Pt 1):918–24

Effect of dietary fibre on oral glucose tolerance test. Kishore N, et al. **Indian J Physiol Pharmacol** 1981 Oct–Dec; 25(4):389–91

The effect of dietary fibre constituents (pectin and guar gum) on oral glucose tolerance. Krishna Ram B, et al. **J Assoc Physicians India** 1981 Sep;29(9):741–3

Dietary fiber. Kay RM. **J Lipid Res** 1982 Feb;23(2):221–42 (266 ref.)

Effects of dietary fibers on lipid metabolism in liver and adipose tissue in chicks. Akiba Y, et al. **J Nutr** 1982 Aug; 112(8):1577–85

Influence of dietary fibers on fermentation in the human large intestine. Ehle FR, et al. **J Nutr** 1982 Jan;112(i):158–66

Effects of tomato pomace and mixed-vegetable pomace on serum and liver cholesterol in rats. Elliott J, et al. **J Nutr** 1981 Dec;111(12):2203–11

Effects of dietary cellulose, pectin and oat bran on the small intestine in the rat. Farness PL, et al. **J Nutr** 1982 Jul; 112(7):1315–9

Dietary Pectin's effect on starch utilization in rats. Forman LP, et al. **J Nutr** 1982 Mar;112(3):528–33

Dietary wheat bran lowers colonic pH in rats. Jacobs LR, et al. **J Nutr** 1982 Mar;112(3):592–4

Excretion of breath and flatus gases by humans consuming high-fiber diets. Marthinsen D, et al. **J Nutr** 1982 Jun; 112(6):1133–43

Effects of processed rye bran and raw rye bran on glucose metabolism in alloxan diabetic rats. Nygren C, et al. **J Nutr** 1982 Jan;112(1):17–20

Mechanism of inhibitory effect of unavailable carbohydrate on intestinal calcium absorption. Oku T, et al. **J Nutr** 1982 Mar;112(3):410–5

Effects of dietary fiber on the bioavailability of folic acid monoglutamate. Ristow KA, et al. **J Nutr** 1982 Apr; 112(4):750–8

Response to dietary wheat bran in the exocrine pancreas and intestine of rats. Schneeman BO, et al. **J Nutr** 1982 Feb; 112(2):283–6

Effect of dietary fiber components on fecal nitrogen excretion and protein utilization in growing rats. Shah N, et al. **J Nutr** 1982 Apr;112(4):658–66

3-hydroxy-3-methylglutaryl coenzyme A reductase activity in the small intestine of rats fed non-purified and semipurified diets. Sugano M, et al. **J Nutr** 1982 Jan; 112(1):51–9

Effects of several detergents and dietary fiber added to a diet on intestinal sucrase activity in rats. Kimura T, et al. **J Nutr Sci Vitaminol (Tokyo)** 1981;27(4):389–92

Effect of fiber on cholesterol metabolism in the Cotrnix quail. Sutton CD, et al. **Poult Sci** 1981 Apr;60(4):812–17

Effect of dietary fiber sources on tissue mineral levels in chicks. Thompson SA, et al. **Poult Sci** 1981 Apr;60(4):840–5

Addition of fiber (wheat bran, bassorin) to the standard food does not influence biliary lipid composition in piglets. Klapdor R, et al. **Res Exp Med (Berl)** 1982;180(1):21–4

Dietary fibre, bacterial metabolism and toxicity of nitrate in the rat. Wise A, et al. **Xenobiotica** 1982 Feb;12(2):111–8

[Food fiber and diabetes (author's transl)] Du SF, et al. **Sheng Li Ko Hsueh Chin Chan** 1981 Mar;12(3):234–8 **(Chi)**

[Findings of the importance of dietetic fiber in the regulation of cholesterolemia] Data PG, et al. **Boll Soc Ital Biol Sper** 1981 Jul 30;57(14):1545–50 (Eng. Abstr.) **(Ita)**

STANDARDS

Fibre in the prevention and management of chronic disease. Potter JD. **Aust Fam Physician** 1982 Apr;11(4):292–3, 296–9

THERAPEUTIC USE

Dietary fibre in type II diabetes. Asp NG, et al. **Acta Med Scand [Suppl]** 1981;656:47–50

Effect of blackgram fibre on ethanol-induced hyperlipidemia in rats. Indira M, et al. **Atherosclerosis** 1982 Feb; 41(2–3):241–6

Is bran useful in diverticular disease? Heaton KW. **Br Med J [Clin Res]** 1981 Dec 5;283(6305):1523–4

Doubts about diverticular disease. Littlewood ER, et al. **Br Med J [Clin Res]** 1981 Dec 5;283(6305):1524–6

Is bran useful in diverticular disease? [letter] Math MV. **Br Med J [Clin Res]** 1982 May 8;284(6326):1408–9

Improved diabetic control and hypocholesterolaemic effect induced by long-term dietary supplementation with guar gum in type 2 (insulin-independent) diabetes. Aro A, et al. **Diabetologia** 1981 Jul;21(1):29–33

The effect of a high fibre diet on diabetic nephropathy in the db/db mouse. Lee SM. **Diabetologia** 1982 May; 22(5):349–53

Prevention of cholesterol gallstones by lignin and lactulose in the hamster. Rotstein OD, et al. **Gastroenterology** 1981 Dec;81(6):1098–103

The effect of apple fibre on diabetic control and plasma lipids. Mayne PD, et al. **Ir J Med Sci** 1982 Feb;151(2):36–41

Bran diet for an earlier resolution of post-operative ileus. Sculati O, et al. **J Int Med Res** 1982;10(3):194–7

Fybogel in haemorrhoid treatment [letter] Hunt PS, et al. **Med J Aust** 1981 Sep 5;2(5):256–, 258

Diverticular disease of the colon. The first of the Western diseases shown to be due to a deficiency of dietary fibre. Painter NS. **S Afr Med J** 1982 Jun 26;61(26):1016–20

Guar biscuits in the diabetic diet. Smith CJ, et al. **S Afr Med J** 1982 Feb 6;61(6):196–8

[Granulated guar-gum (Slocose) for non-insulin dependent diabetic patients] Rasmussen LP, et al. **Ugeskr Laeger** 1981 May 11;143(20):1267–70 (Eng. Abstr.) **(Dan)**

[Treatment of chronic constipation with swelling substances] Matek W, et al. **Fortschr Med** 1982 Jan 14;100(1–2):16–9 (Eng. Abstr.) **(Ger)**

[Clinical study of the use of a deproteinized guar flour in the treatment of obesity] Arsenio L, et al. **Acta Biomed Ateneo Parmense** 1981;52(4):149–57 (41 ref.) (Eng. Abstr.) **(Ita)**

[Possible use of dietetic fibers in blood lipid disorders in nephropathic and dialyzed patients] Agazia B, et al. **Minerva Nefrol** 1981 Apr–Jun;28(2):167–70 (Eng. Abstr.) **(Ita)**

[Treatment of colonic diverticulosis and irritable colon with wheat bran] Levitan MKh, et al. **Sov Med** 1981;(8):109–12 **(Rus)**

DIETARY FORMULATIONS see **FOOD, FORMULATED**

DIETARY HABITS see **FOOD HABITS**

DIETARY PROTEINS

see related
PROTEIN DEFICIENCY

What value keto acids or amino acids as dietary substitutes or supplements to low protein diets in adult chronic renal failure. Jackson MA. **Acta Chir Scand [Suppl]** 1981; 507:341–8

Human protein requirements: assessment of the adequacy of the current Recommended Dietary Allowance for dietary protein in elderly men and women. Gersovitz M, et al. **Am J Clin Nutr** 1982 Jan;35(1):6–14

Effect of insulin on fat and protein deposition in diabetic lean and obese rats. Chan CP, et al. **Am J Physiol** 1982 Jan;242(1):E19–24

Animal wastes. I. Effect of processing on the chemical and protein nutritional value of calf stomach. Caldas SA, et al. **Arch Latinoam Nutr** 1981 Sep;31(3):498–508

The nutritive value of Brazilian soy products tested in malnourished children. de Oliveira JE, et al. **Arch Latinoam Nutr** 1981 Mar;31(1):93–107

Animal wastes. II. Chemical and nutritional evaluation of by-products from rennet and proteases production. Moraes-Santos T, et al. **Arch Latinoam Nutr** 1981 Sep; 31(3):509–17

Effect of microwave heating of soybeans on protein quality. Sánchez A, et al. **Arch Latinoam Nutr** 1981 Mar;31(1):44–51

Protein requirements of preschool children: obligatory nitrogen losses and nitrogen balance measurements using cow's milk. Torún B, et al. **Arch Latinoam Nutr** 1981 Sep; 31(3):571–85

Atherogenicity of animal and vegetable protein. Influence of the lysine to arginine ratio. Kritchevsky D, et al. **Atherosclerosis** 1982 Feb;41(2–3):429–31

Dietary effects on in vitro rat neuronal protein synthesis during growth and development. Moraes E Santos T. **Brain Res Bull** 1981 Oct;7(4):385–9

Protein intake threatened by uncertain supply. Pulse consumption in Brazil. François P, et al. **Food Nutr (Roma)** 1981;7(2):11–7

Anabolic action of dianabol (17 alpha-methyl-17beta-hydroxyandrosta-1, 4-dien-3-one) on the nitrogen balance and skeletal muscle composition of rats fed on field bean (Vicia faba L.). Santidrián S. **Horm Metab Res** 1981 Jul;13(7):407–10

Hormonal and metabolic adaptation to protein-supplemented fasting in obese subjects. Scheen AJ, et al. **Int J Obes** 1982; 6(2):165–74

Effect of feeding wet brewers grains to beef heifers on wintering performance, serum selenium and reproductive performance. Crickenberger RG, et al. **J Anim Sci** 1982 Jan;54(1):18–22

Influence of dietary protein and carbohydrate on oxidative biotransformation of drugs in normal adults and children with asthma. **Nutr Rev** 1981 Jun;39(6):232–4

Protein and energy consumption, plasma amino acid ratios, and brain neurotransmitter concentrations. Peters JC, et al. **Physiol Behav** 1981 Aug;27(2):287–98

Nutritional behaviour of patients on continuous ambulatory peritoneal dialysis. von Baeyer H, et al. **Proc Eur Dial Transplant Assoc** 1981;18:193–8

Effects of dietary protein restriction on circulating concentrations of growth hormone in growing domestic fowl (Gallus domesticus). Scanes CG, et al. **Proc Soc Exp Biol Med** 1981 Dec;168(3):334–7

Novel sources of protein in animal and human nutrition. Taylor TG, et al. **Prog Clin Biol Res** 1981;77:619–27

The postprandial thermogenesis of different diets in rats. Eschrich H, et al. **Z Ernahrungswiss** 1982 Mar;21(1):43–50

Protein enrichment of bread: I. Chemical and sensoric evaluation. Taha FS, et al. **Z Ernahrungswiss** 1982 Mar; 21(1):77–82

Bioproteins in the feeding of growing-finishing pigs in Norway. V. A methanol-based yeast (Pichia aganobii) replacing soybean meal as protein supplement in cereal diets. Hanssen JT. **Z Tierphysiol Tiernahr Futtermittelkd** 1982;47(4):201–9

[Effects of a hypocaloric protein diet on changes in arterial pressure produced by adrenaline infusion] Scheen A, et al. **C R Soc Biol (Paris)** 1982;176(1):104–8 (Eng. Abstr.) **(Fre)**

[Absorption of 14C-leucine and 15N-leucine in rats after feeding a fish meal diet in comparison with a gelatin diet] Bergner U, et al. **Arch Tierernahr** 1981 Jul;31(7–8):447–59 (Eng. Abstr.) **(Ger)**

[Protein quality of dietary yeast ribonucleic acid in experiments using growing rats. 1. Effect of ribonucleic acid on the body composition] Greife HA, et al. **Arch Tierernahr** 1981 Oct;31(10):667–73 (Eng. Abstr.) **(Ger)**

[Feed value of krill meal in laboratory animals, pigs and broilers] Heinz T, et al. **Arch Tierernahr** 1981 Jul; 31(7–8):537–47 (Eng. Abstr.) **(Ger)**

[Nutritional physiology studies in pigs on the evaluation of modified proteins. 1. Results of the estimation of N-turnover, apparent and true digestibility of proteins in addition to apparent and true absorption of amino acids in the entire digestive tract] Liebert F, et al. **Arch Tierernahr** 1981 Jul;31(7-8):461-70 (Eng. Abstr.) **(Ger)**

[Effect of crude protein on fertility and urea content of the body fluids of high-yielding cows] Piatkowski B, et al. **Arch Tierernahr** 1981 Jul;31(7-8):497-504 (Eng. Abstr.) **(Ger)**

[Sensitivity of different biological methods for differentiating the protein value of various foods] de Angelis RC, et al. **Arch Latinoam Nutr** 1981 Jun;31(2):253-69 (Eng. Abstr.) **(Por)**

[Influence of previous cooking on the biological value of sardine protein concentrates, obtained by extraction with ethanol] de Moura EC, et al. **Arch Latinoam Nutr** 1981 Mar;31(1):73-92 (Eng. Abstr.) **(Por)**

[Consumption of a supplemented food by pregnant women and wet nurses in a Ribeirão Preto health unit, Brazil] Costa J, et al. **Rev Saude Publica** 1981 Oct;15(5):472-7 **(Por)**

[Effect of experimental soy protein diets on manifestations of allergic phenomena] Vinokurova NM, et al. **Vopr Pitan** 1982 May-Jun;(3):23-6 **(Rus)**

[Dietetic study of pregnant women of Santa Maria Cauqué, Guatemala. I. Variability of protein indicators and analysis by the time of meals] Araya H, et al. **Arch Latinoam Nutr** 1981 Mar;31(1):108-17 (Eng. Abstr.) **(Spa)**

[Supplementary effect of 3 sources of soy protein on various corn products] Bressani R, et al. **Arch Latinoam Nutr** 1981 Mar;31(1):52-62 (Eng. Abstr.) **(Spa)**

[Social aspects of energy and protein consumption in a group of pregnant women] Quiroz SE, et al. **Arch Latinoam Nutr** 1981 Mar;31(1):118-32 (Eng. Abstr.) **(Spa)**

ADMINISTRATION & DOSAGE

Surface hydrophobicity of proteins and selectivity of intracellular proteolysis. Bohley P, et al. **Acta Biol Med Ger** 1981;40(10-11):1655-8

Effects of protein quality and protein-energy relation on the specific dynamic action of food in rats. Jeszka J, et al. **Acta Physiol Pol** 1981 Sep-Oct;32(5):603-10

Studies on the renal handling of taurine: changes during maturation and after altered dietary intake. Chesney RW, et al. **Adv Exp Med Biol** 1981;139:47-63

The importance of dietary protein in the zinc deficiency of uremia. Blendis LM, et al. **Am J Clin Nutr** 1981 Dec; 34(12):2658-61

Effect of varying energy and protein intakes on some biochemical parameters of protein metabolism. Iyengar AK, et al. **Am J Clin Nutr** 1982 Apr;35(4):733-40

14CO2 expiration after 14C-histidine administration in normal and uremic men ingesting two levels of histidine. Jones MR, et al. **Am J Clin Nutr** 1982 Jan;35(1):15-23

Acute effects of increased meat protein on urinary electrolytes and cyclic adenosine monophosphate and serum parathyroid hormone. Licata AA. **Am J Clin Nutr** 1981 Sep;34(9):1779-84

Calcium metabolism in postmenopausal and osteoporotic women consuming two levels of dietary protein. Lutz J, et al. **Am J Clin Nutr** 1981 Oct;34(10):2178-86

The Bacon Chow study: maternal nutrition supplementation and birth weight of offspring. McDonald EC, et al. **Am J Clin Nutr** 1981 Oct;34(10):2133-44

Influence of diets containing casein, soy isolate, and soy concentrate on serum cholesterol and lipoproteins in middle-aged volunteers. van Raaij JM, et al. **Am J Clin Nutr** 1982 May;35(5):925-34

Serum amylases and their inhibitors: 2. Clinical and experimental +obersvations--diet and steroid effects. Tuzhilin SA, et al. **Am J Gastroenterol** 1982 Jan;77(1):26-8

Monitoring protein requirements of the patient receiving hemodialysis and total parenteral nutrition. Mirtallo JM, et al. **Am J Hosp Pharm** 1981 Oct;38(10):1483-6

Adverse effects of liquid protein fast on the handling of magnesium, calcium and phosphorus. Licata AA, et al. **Am J Med** 1981 Nov;71(5):767-72

Circadian feeding pattern in pregnant rats fed three levels of protein. Hitier Y, et al. **Ann Nutr Metab** 1982; 26(2):129-37

Effect of a low protein diet on rats experimentally infected with Entamoeba histolytica. Vinayak VK, et al. **Ann Trop Med Parasitol** 1981 Aug;75(4):397-400

Effect of thyroxine on the rate of myofibrillar protein breakdown in mature male rats fed a low-protein diet. Santidrián S, et al. **Arch Farmacol Toxicol** 1981 Dec; 7(3):319-32

The effect of protein depletion and repletion on muscle-protein turnover in the chick. MacDonald ML, et al. **Biochem J** 1981 Mar 15;194(3):811-9

The effect of type and level of protein, fibre and starch on nitrogen excretion patterns in rats. Beames RM, et al. **Br J Nutr** 1981 Sep;46(2):301-13

Effect of manganese and copper interaction on behavior and biogenic amines in rats fed a 10% casein diet. Murthy RC, et al. **Chem Biol Interact** 1981 Nov;37(3):299-308

Calcium metabolism in young undernourished rats fed diets differing in protein and calcium content. Widhe T. **Clin Orthop** 1982 Jan-Feb;(162):304-9

Food-induced increase in propranolol bioavailability--relationship to protein and effects on metabolites. Walle T, et al. **Clin Pharmacol Ther** 1981 Dec; 30(6):790-5

Growth in relation to protein intake of low birth weight infants. Svenningsen NW, et al. **Early Hum Dev** 1982 Jan; 6(1):47-58

Gastro-entero-pancreatic hormones in normal pregnancy: response to a protein rich meal. Hornnes PJ, et al. **Eur J Clin Invest** 1981 Oct;11(5):345-9

Whole body leucine metabolism in adolescents with Crohn's disease and growth failure during nutritional supplementation. Motil KJ, et al. **Gastroenterology** 1982 Jun;82(6):1359-68

Release of gastric inhibitory peptide following a peptone meal in the dog. Wolfe MM, et al. **Gastroenterology** 1982 Oct; 83(4):864-72

The effects of variation in dietary protein and ethanol on hepatic microsomal drug metabolism in the rat. Mitchell MC, et al. **Hepatology** 1981 Jul-Aug;1(4):336-40

Effect of protein-supplemented fasting on metabolic and hormonal responses to epinephrine infusion in obese subjects. Scheen A, et al. **Horm Metab Res** 1982 May; 14(5):240-5

Vascular changes in DOCA hypertension. Influence of a low protein diet. Moreland RS, et al. **Hypertension** 1982 Sep-Oct;4(5 Pt 2):III99-107

The effect of a low protein diet on the immunogenic activity of murine peritoneal macrophages. Rose AH, et al. **Int Arch Allergy Appl Immunol** 1982;67(4):356-61

Effects of very restrictive high-protein diets with special reference to the nitrogen balance. Apfelbaum M. **Int J Obes** 1981;5(3):209-14

The Copenhagen PRODI project: preliminary results. Quaade F, et al. **Int J Obes** 1981;5(3):263-6

Amino acid content of low-protein recipes. Bell L, et al. **J Am Diet Assoc** 1982 Jun;80(6):579-80

Lysine supplementation of diets for yearling horses. Ott EA, et al. **J Anim Sci** 1981 Dec;53(6):1496-503

Treatment of morbid obesity with protein-sparing modified fast. Craig DW. **J Arkansas Med Soc** 1982 May; 78(12):489-96

Induction of serum: pyruvate aminotransferase in rat liver organelles by glucagon and a high-protein diet. Oda T, et al. **J Biochem (Tokyo)** 1982 Jan;91(1):219-32

The mechanisms of nitrogen sparing in fasting supplemented by protein and carbohydrate. Bistrian BR, et al. **J Clin Endocrinol Metab** 1981 Oct;53(4):874-8

Effects of intraruminal infusions of mineral salts on volatile fatty acid production in steers fed high-grain and high-roughage diets. Rogers JA, et al. **J Dairy Sci** 1982 Jun;65(6):953-62

Zinc and protein status in the elderly. Flint DM, et al. **J Hum Nutr** 1981 Aug;35(4):287-95

Price of amino acids as a basis for planning protein adequate diets. Ladipo PA, et al. **J Hum Nutr** 1981 Oct;35(5):358-67

Pathogenesis of fatty liver in rats fed a high protein diet without pyridoxine. Abe M, et al. **J Nutr** 1982 Jan; 112(1):205-10

Effect of maternal diet on ganglioside distribution in fetal rat brain. Berra B, et al. **J Nutr** 1981 Nov;111(11):1980-4

Nutritional value of feather-meal protein for chicks. Bielorai R, et al. **J Nutr** 1982 Feb;112(2):249-54

Quantitative and qualitative circadian variations of amino acid intestinal efflux in mixed-fed and in protein-meal-fed rats. Bourdel G, et al. **J Nutr** 1981 Sep;111(9):1528-35

Circadian variations of liver free amino acid content in mixed-fed and protein-meal-fed rats. Bourdel G, et al. **J Nutr** 1981 Sep;111(9):1536-42

Menstrual cycle and protein requirements of women. Calloway DH, et al. **J Nutr** 1982 Feb;112(2):356-66

Effect of protein-induced calciuria on calcium metabolism and bone status in adult rats. Calvo MS, et al. **J Nutr** 1982 Jul;112(7):1401-13

Analysis of rat liver chromatin and nuclear proteins after nutritional variation 1,2. Castro CE, et al. **J Nutr** 1982 Jun; 112(6):1203-11

Artificial rearing of rat pups with a protein-enriched formula. Diaz J, et al. **J Nutr** 1982 May;112(5):841-7

Methionine metabolism in mammals: concentration of metabolites in rat tissues. Finkelstein JD, et al. **J Nutr** 1982 May;112(5):1011-8

Prolonged consumption by infants of wheat-based diets with and without casein or lysine supplementation. Graham GG, et al. **J Nutr** 1981 Nov;111(11):1917-27

Effect of feeding a low protein diet during neonatal life on subsequent cholesterol and bile acid metabolism in adult guinea pigs. Hassan AS, et al. **J Nutr** 1981 Nov; 111(11):2024-9

Influence of dietary nitrogen intake on mammalian branched chain alpha-keto acid dehydrogenase activity. Hauschildt S, et al. **J Nutr** 1981 Dec;111(12):2188-94

Intestinal transport of amino acids in protein-deficient rats and the effect of rehabilitation using a casein diet. Kansal VK, et al. **J Nutr** 1981 Sep;111(9):1513-21

Effects of azaserine treatment on plasma glutamine concentration and uric acid production in chickens fed low and high protein diets. Karasawa Y, et al. **J Nutr** 1982 Sep;112(9):1733-40

Actual nitrogen deposition in mature adult rats fed moderate to high protein diets. Lin CP, et al. **J Nutr** 1982 Jun; 112(6):1067-74

Cholesterolemic responses of rats to human-type diet ingredients. O'Brien BC, et al. **J Nutr** 1982 Aug; 112(8):1490-7

Hepatic metabolites and amino acid levels during adaptation of rats to a high protein, carbohydrate-free diet. Peret J, et al. **J Nutr** 1981 Oct;111(10):1704-10

Impaired lactate utilization in livers of rats fed high protein-diets. Rémésy C, et al. **J Nutr** 1982 Jan;112(1):60-9

Changes in liver lobule glycogen zonation during prolonged fasting of rats previously fed a 30% casein diet and adapted to a controlled feeding schedule. Richards WL. **J Nutr** 1982 May;112(5):934-40

Circadian variation of liver metabolites and amino acids in rats adapted to a high protein, carbohydrate-free diet. Robinson JL, et al. **J Nutr** 1981 Oct;111(10):1711-20

Protein intake regulation in adult obese (ob/ob) and lean mice: effects of nonprotein energy source and of supplemental tryptophan. Romsos DR, et al. **J Nutr** 1982 Mar;112(3):505-13

Energy balance and mitochondrial function in liver and brown fat of rats fed 'cafeteria' diets of varying protein content. Rothwell NJ, et al. **J Nutr** 1982 Sep; 112(9):1663-72

Renal acid, urinary cyclic AMP, and hydroxyproline excretion as affected by level of protein, sulfur amino acid, and phosphorus intake. Schuette SA, et al. **J Nutr** 1981 Dec;111(12):2106-16

Effects on Ca and P metabolism in humans by adding meat, meat plus mild, or purified proteins plus Ca and P to a low protein diet. Schuette SA, et al. **J Nutr** 1982 Feb; 112(2):338-49

Influence of protein intake on S-adenosyl methionine decarboxylase activity in normal and chronically uremic rats. Skapski B, et al. **J Nutr** 1981 Sep;111(9):1658-61

Responses of skeletal muscle protein synthesis and breakdown to levels of dietary protein and fat during growth in weaning rats. Smith CK, et al. **J Nutr** 1982 Feb; 112(2):255-62

Variations in daily urinary-N of adult rats on varying protein levels. Tilve SG. **J Nutr** 1982 Mar;112(3):453-60

Multiple regression and response surface analyses of the effects of dietary protein, fat and carbohydrate on the body protein and fat gains in growing chicks. Toyomizu M, et al. **J Nutr** 1982 May;112(5):886-96

The effects of pre- and postweaning dietary protein levels of mitochondrial metabolism in developing liver and interscapular brown adipose tissue (IBAT) in rats. Tyzbir RS, et al. **J Nutr** 1982 Aug;112(8):1536-45

Effects of high protein diet on insulin and glucagon secretion in normal rats. Usami M, et al. **J Nutr** 1982 Apr; 112(4):681-5

Effect of a protein-free diet and fasting on RNA polymerase activity in mice. Warnick CT, et al. **J Nutr** 1982 Feb; 112(2):293-8

Effect of quality and quantity of dietary protein on free amino acids in plasma and tissues of adult rats. Fujita Y, et al. **J Nutr Sci Vitaminol (Tokyo)** 1981;27(2):129-47

NAD glycohydrolase activity in the liver of rats fed on excess leucine diet and low or high protein diet. Kubota H, et al. **J Nutr Sci Vitaminol (Tokyo)** 1982 Feb;28(1):57-66

Optimal dietary therapy for obese adolescents: comparison of protein plus glucose and protein plus fat. Dietz WH Jr, et al. **J Pediatr** 1982 Apr;100(4):638-44

Switch to soy protein for boring but healthful diet [news] Check WA. **JAMA** 1982 Jun 11;247(22):3045-6

An evaluation of the diurnal rhythm of urea excretion in healthy young adults. Steffee WP, et al. **JPEN** 1981 Sep-Oct;5(5):378-84

Evaluation of reduced dialysis frequency using nutritional therapy. Mitch WE, et al. **Kidney Int** 1981 Jul;20(1):122-6

Treatment of hyperornithinaemia and gyrate atrophy of choroid and retina with low-protein diet [letter] Stoppoloni G, et al. **Lancet** 1982 Apr 24;1(8278):973

Effect of low-fat, low-protein diet on blood viscosity factors [letter] Dintenfass L. **Med J Aust** 1982 Jun 26;1(13):543

Glucose and fatty acid kinetics in fasted rats: effects of previous protein intake. Royle GT, et al. **Metabolism** 1982 Mar;31(3):279-83

Reversal of hyperparathyroidism in severe uremics following very low-protein and low-phosphorus diet. Barsotti G, et al. **Nephron** 1982;30(4):310-3

Overt and hidden forms of chronic malnutrition in the rat and their relevance to man. Resnick O, et al. **Neurosci Biobehav Rev** 1982 Spring;6(1):55-75 (122 ref.)

Dietary protein and body fat distribution. **Nutr Rev** 1982 Mar; 40(3):89-90 (12 ref.)

Self-selected intake of carbohydrate, fat, and protein by obese (ob/ob) and lean mice. Romsos DR, et al. **Physiol Behav** 1982 Feb;28(2):301-5

Minimum and optimum physiological doses of egg albumin and mutton protein in newly weaned rats. Dibák O, et al. **Physiol Bohemoslov** 1982;31(2):183-92

Determination of the optimum dose of fats in the food of rats of different ages. Krajčovičová M, et al. **Physiol Bohemoslov** 1982;31(2):175-81

Effects of gradation in protein-calorie restriction on the hypothalo-pituitary-gonadal axis in young domestic fowl. Buonomo FC, et al. **Poult Sci** 1982 Apr;61(4):800-3

Influence of dietary protein and excess methionine on choline needs for young bobwhite quail. Serafin JA. **Poult Sci** 1982 May;61(5):902-8

Influence of protein level and supplemental methionine in

practical rations for young endangered masked Bobwhite quail. Serafin JA. **Poult Sci** 1982 May;61(5):988–90

Effects of dietary protein level and environmental temperature stress on growth of young ring-necked pheasants. Warner RE, et al. **Poult Sci** 1982 Apr; 61(4):673–6

Critical analysis and shortcomings of current dietary protein and energy requirements. Waterlow JC. **Prog Clin Biol Res** 1981;77:87–96

Food protein sources: implications for nutrient requirements. Young VR. **Prog Clin Biol Res** 1981;67 189–206 (52 ref.)

Histologic examination of the influence of dietary protein on rat radiation nephropathy. Mahler PA, et al. **Radiat Res** 1982 Mar;89(3):546–58

Resistance to superinfection with Plasmodium berghei in rats fed a protein-free diet. Edirisinghe JS, et al. **Trans R Soc Trop Med Hyg** 1982;76(3):382–6

Protein-rich food mixtures for feeding the young in Egypt. 1. formulation. Morcos SR, et al. **Z Ernahrungswiss** 1981 Dec;20(4):275–82

Influence of an orally administered protein mixture enriched in branched chain amino acids on the chronic hepatic encephalopathy (CHE) of patients with liver cirrhosis. Schäfer K, et al. **Z Gastroenterol** 1981 Jul;19(7):356–62

[Effect of feed proteins on serum proteins in poultry infected with S. gallinarum pullorum] Ganovska M. **Vet Med Nauki** 1981;18(8):64–72 (Eng. Abstr.) **(Bul)**

[Relation between the dietary proteins in animal feed and agglutinin formation in chickens infected with Salmonella gallinarum pullorum] Ganovska M. **Vet Med Nauki** 1981; 18(7):54–60 (Eng. Abstr.) **(Bul)**

[Protein and preschool child growth—a contrast between the results of two nutritional surveys (author's transl)] **Chung Hua I Hsueh Tsa Chih** 1981 Oct;61(10):595–6 (Eng. Abstr.) **(Chi)**

[Protein nutrition of the cirrhotic patient] Fouet P, et al. **Med Chir Dig** 1981;10(8):655–9 **(Fre)**

[Protein supply of rats and transaminase and succinate dehydrogenase activity] Grassmann E, et al. **Arch Tierernahr** 1981 Oct;31(10):661–6 (Eng. Abstr.) **(Ger)**

[Cholesterol- and weight reduction with a formula diet containing protein and legumes] Matzkies F, et al. **Fortschr Med** 1981 Feb 12;99(6):195–9 (Eng. Abstr.) **(Ger)**

[Long-term effects of various levels of dietary proteins as well as starch and sucrose as dietary carbohydrates on lipoprotein metabolism in the rat] Scharm M, et al. **Z Ernahrungswiss** 1982 Mar;21(1):57–66 (Eng. Abstr.) **(Ger)**

[Protein substitution in the elderly. A specific study] Schröder EM. **ZFA (Stuttgart)** 1982 Jun 20;58(17):945–50 **(Ger)**

[The influence of fasting, of a hyperprotein diet and of nicotinamide on hepatic L-threonine deaminase] Aleo MF, et al. **Boll Soc Ital Biol Sper** 1981 Sep 15;57(17):1746–51 (Eng. Abstr.) **(Ita)**

[Influence, in normal subjects, of an isocaloric hyperprotein diet on cortisol, ACTH, GH and PRL response to lysine-8-vasopressin] Giovannini C, et al. **Boll Soc Ital Biol Sper** 1981 Dec 30;57(24):2424–30 (Eng. Abstr.) **(Ita)**

[The influence, in normal subjects, of a high-protein normocaloric diet on the response of cortisol, ACTH, GH, and PRL to insulin hypoglycemia] Giovannini C, et al. **Boll Soc Ital Biol Sper** 1982 Feb;58(3-4):121–7 (Eng. Abstr.) **(Ita)**

[Evaluation of aldosterone, corticosterone, glucose and triglyceride blood levels in pregnant rats fed a high protein diet] Greco AM, et al. **Boll Soc Ital Biol Sper** 1982 Feb; 58(3-4):115–20 (Eng. Abstr.) **(Ita)**

[Behavior of basal values and circadian rhythm of ACTH, cortisol, PRL and GH in a high-protein diet] Sellini M, et al. **Boll Soc Ital Biol Sper** 1981 May 15;57(9):963–9 (Eng. Abstr.) **(Ita)**

[Experimental studies on dietary elements which suppress the development of salt hypertension (II) Effects of protein intake on sodium metabolism and urinary kallikrein excretion (author's transl)] Kojima S. **Nippon Jinzo Gakkai Shi** 1981 Sep;23(9):1245–53 (Eng. Abstr.) **(Jpn)**

[Studies on experimental pancreatitis induced in rat by ethionine fed with a choline-deficient and low protein diet (author's transl)] Nagata K, et al. **Nippon Shokakibyo Gakkai Zasshi** 1981 Aug;78(8):1650–7 (Eng. Abstr.) **(Jpn)**

[Hormone level in the blood during food loading in peptic ulcer and chronic gastritis] Vakhrushev IaM. **Klin Med (Mosk)** 1982 Feb;60(2):37–40 (Eng. Abstr.) **(Rus)**

[Use of a high-protein enteral feeding preparation in digestive organ diseases] Lisovskiĭ VA, et al. **Voen Med Zh** 1981 Sep;(9):32–5 **(Rus)**

[Effect of different diets on blood protein indices in gnotobionts] Bolotskikh LA, et al. **Vopr Pitan** 1981 Jul-Aug;(4):44–6 (Eng. Abstr.) **(Rus)**

[Effect of excess protein diets on lipid metabolic indices] Fomenko OI. **Vopr Pitan** 1982 Mar-Apr;(2):49–52 (Eng. Abstr.) **(Rus)**

[Effect of high-fat and high-protein diets on the enzyme activity participating in hydrochloric acid secretion] Khramtsov AV, et al. **Vopr Pitan** 1982 Jan-Feb;(1):36–8 (Eng. Abstr.) **(Rus)**

[Metabolic processes in children with chronic kidney failure as affected by protein-limited diets] Nemenova IuM, et al. **Vopr Pitan** 1981 Jul-Aug;(4):31–4 (Eng. Abstr.) **(Rus)**

[Treatment of gastric and duodenal peptic ulcer by a diet containing large amounts of protein] Shchedrunov VV, et al. **Vopr Pitan** 1981 Jul-Aug;(4):67–8 **(Rus)**

[Diet in chronic renal failure (review of the literature)] Nikula TD. **Vrach Delo** 1981 Oct;(10):46–9 **(Rus)**

[Various protein diets, chronic alcohol intake and the lipid content of the liver in the rat] Petrović G, et al. **Acta Med Iugosl** 1982;36(1):57–64 (Eng. Abstr.) **(Scr)**

ADVERSE EFFECTS

Fatalities on the liquid-protein diet: an analysis of possible causes. Frank A, et al. **Int J Obes** 1981;5(3):243–8

Effects of cholestyramine on low density lipoprotein binding sites on liver membranes from rabbits with endogenous hypercholesterolemia induced by a wheat starch-casein diet. Chao Y, et al. **J Biol Chem** 1982 Apr 10;257(7):3623–7

Dietary protein intake and the progressive nature of kidney disease: the role of hemodynamically mediated glomerular injury in the pathogenesis of progressive glomerular sclerosis in aging, renal ablation, and intrinsic renal disease. Brenner BM, et al. **N Engl J Med** 1982 Sep 9;307(11):652–9 (92 ref.)

Food antibodies in schizophrenia. Kinnell HG, et al. **Psychol Med** 1982 Feb;12(1):85–9

[Hyperprotein diet during fetal and post-natal development of rats. Histological study of the organs, evaluation of weight gain and certain blood parameters] Greco AM, et al. **Arch Sci Med (Torino)** 1981 Oct-Dec;138(4):439–44 **(Ita)**

ANALYSIS

Influence of dietary protein composition on lead absorption in rats. Anders E, et al. **Bull Environ Contam Toxicol** 1982 Jan;28(1):61–7

Studies on the proteins of poppy seed (Papaver somniferum L.). Srinivas H, et al. **J Agric Food Chem** 1981 Nov-Dec; 29(6):1232–5

Unconventional protein sources: 'date seeds'. Gabrial GN, et al. **Z Ernahrungswiss** 1981 Dec;20(4):263–9

[A new method for testing the quality of food proteins for maintenance metabolism. 4. Testing of isolated proteins as well as various protein sources of plant and animal origin] Simon O, et al. **Arch Tierernahr** 1981 Dec;31(11–12):739–52 (Eng. Abstr.) **(Ger)**

[Sodium and potassium content of various Chilean foods] Alvarez de Araya C, et al. **Arch Latinoam Nutr** 1981 Mar; 31(1):146–55 (Eng. Abstr.) **(Spa)**

[Cassia aphylla flour. Study of its chemical composition and the biological quality of its proteins] de Mucciarelli SI, et al. **Arch Latinoam Nutr** 1981 Jun;31(2):324–36 (Eng. Abstr.) **(Spa)**

[Extruded beans: potential use in infant nutrition] Pak N, et al. **Arch Latinoam Nutr** 1981 Jun;31(2):371–83 (Eng. Abstr.) **(Spa)**

IMMUNOLOGY

Immune responses in guinea pigs to dietary protein. I. Induction of tolerance by feeding with ovalbumin. Heppell LM, et al. **Int Arch Allergy Appl Immunol** 1982;68(1):54–9

METABOLISM

Dietary protein, metabolic acidosis, and calcium balance. Brosnan JT, et al. **Adv Nutr Res** 1982;4:77–105 (105 ref.)

Nitrogen economy during very low calorie reducing diets: quality and quantity of dietary protein. Fisler JS, et al. **Am J Clin Nutr** 1982 Mar;35(3):471–86

Protein digestibility and protein quality of common beans (Phaseolus vulgaris) fed alone and with maize, in adult humans using a short-term nitrogen balance assay. Navarrete DA, et al. **Am J Clin Nutr** 1981 Sep;34(9):1893–8

Intraoperative explosion: methane gas and diet. Freund PR, et al. **Anesthesiology** 1981 Dec;55(6):700–1

Hepatic free choline and betaine and the utilization of dietary protein in the choline-deficient rat. Arvidson GA, et al. **Ann Nutr Metab** 1982;26(1):12–7

Comparative effects of soy and casein protein on plasma cholesterol concentrations. Raheja KL, et al. **Ann Nutr Metab** 1982;26(1):44–9

Protein and fat absorption in prolonged diarrhoea in infancy. Mann MD, et al. **Arch Dis Child** 1982 Apr;57(4):268–73

The rate of absorption of synthetic lysine and dietary protein in the upper half of the small intestine of pigs. Buraczewska L, et al. **Arch Tierernahr** 1980 Dec;30(10–12):751–8

Proteolytic activity as a regulator of the transmission of orally fed proteins from the gut to the blood serum in the suckling rat. Telemo E, et al. **Biol Neonate** 1982;41(1–2):85–93

The effect of protein supplementation on digestion and glucose metabolism in young cattle fed on silage. Gill M, et al. **Br J Nutr** 1982 Jul;48(1):37–47

Nitrogen balance in Indian preschool children receiving the safe level of protein at varying levels of energy. Iyengar AK, et al. **Br J Nutr** 1981 Sep;46(2):295–300

Effects of cold exposure on feed protein degradation, microbial protein synthesis and transfer of plasma urea to the rumen of sheep. Kennedy PM, et al. **Br J Nutr** 1982 May;47(3):521–35

Availability of lysine in protein concentrates as determined by the slope-ratio assay with chicks and comparisons with rat, pig and chemical assays. Major EJ, et al. **Br J Nutr** 1981 Nov;46(3):513–9

Artificial rearing of pigs. 12. Effect of replacement of dried skim-milk by either a soya-protein isolate or concentrate on the performance of the pigs and digestion of protein. Newport MJ, et al. **Br J Nutr** 1982 Jul;48(1):89–96

The effect of dietary protein source and saponins on serum lipids and the excretion of bile acids and neutral sterols in rabbits. Pathirana C, et al. **Br J Nutr** 1981 Nov; 46(3):421–30

Energy and protein retention in holoxenic, axenic and gnotoxenic chickens monoassociated with Lactobacillus spp. Szylit O, et al. **Br Poult Sci** 1981 Jul;22(4):305–15

The effect of a protein meal on three fluid-phase assays for circulating immune complexes. Elkon KB, et al. **Clin Exp Immunol** 1981 Aug;45(2):279–82

Protein digestion and proteolytic activity in the digestive tract of an omnivorous cyprinid. Hofer R. **Comp Biochem Physiol [A]** 1982;72(1):55–63

Protein utilisation in response to caecal corn starch in ponies. Reitnour CM. **Equine Vet J** 1982 Apr;14(2):149–52

Influence of protein and fat on the utilisation of carotene from drumstick (Moringa oleifera) leaves. Geervani P, et al. **Indian J Med Res** 1981 Oct;74:548–53

Age-specific changes of polypeptides in peanut leaves. Yates IE, et al. **J Agric Food Chem** 1981 Nov-Dec;29(6):1304–6

Abomasal protein infusions for growing steers fed corn grain rations. Johnson AB, et al. **J Anim Sci** 1982 Jan; 54(1):189–95

Evaluation of single cell protein from pulp mills: laboratory analyses and in vivo digestibility. Kellems RO, et al. **J Anim Sci** 1981 Dec;53(6):1601–8

Short-term metabolic response in wethers to high dietary protein intake prior to fasting. Koenig JM, et al. **J Anim Sci** 1981 Feb;52(2):382–90

Nitrogen metabolism in sheep fed protein sources of various solubilities with low quality roughages. Wanapat M, et al. **J Anim Sci** 1982 Mar;54(3):625–31

Relative contributions of sulfur atoms of dietary cysteine and methionine to rat liver glutathione and proteins. Tateishi N, et al. **J Biochem (Tokyo)** 1981 Dec;90(6):1603–10

Effects of feeding level in late pregnancy and dietary protein concentration during early lactation on food intake, milk yield, liveweight change and nitrogen balance of cows. Cowan RT, et al. **J Dairy Res** 1981 Jun;48(2):201–12

Hydrolysis of leaf Fraction 1 protein by the proteolytic rumen bacterium Bacteroides ruminicola R8/4. Hazlewood GP, et al. **J Gen Microbiol** 1981 Apr;123(Pt 2):223–32

Protein requirements of young Chinese male adults on ordinary Chinese mixed diet and egg diet at ordinary levels of energy intake. Huang PC, et al. **J Nutr** 1982 May; 112(5):897–907

Fasting and postprandial plasma free amino acids of infants and children consuming exclusively potato protein. Lopez de Romaña G, et al. **J Nutr** 1981 Oct;111(10):1766–71

The quantitative nutrient-response relationship. Mercer LP. **J Nutr** 1982 Mar;112(3):560–6

Modification of the saturation kinetics model to produce a more versatile protein quality assay. Phillips RD. **J Nutr** 1982 Mar;112(3):468–73

Relationship of serum immunoreactive somatomedin-C to dietary protein and energy in growing rats. Prewitt TE, et al. **J Nutr** 1982 Jan;112(1):144–50

Dietary risk factors of stroke and hypertension in Japan — Part 1: Methodological assessment of urinalysis for dietary salt and protein intakes. Yamori Y, et al. **Jpn Circ J** 1982 Sep;46(9):933–8

Dietary risk factors of stroke and hypertension in Japan — Part 2: Validity of urinalysis for dietary salt and protein intakes under a field condition. Yamori Y, et al. **Jpn Circ J** 1982 Sep;46(9):939–43

Effect of dietary protein on hepatic handling of sulfobromophthalein. Rodriguez JV, et al. **Medicina (B Aires)** 1981;41(4):446–52

Vagal unitary responses to intestinal amino acid infusions in the anesthetized cat: a putative signal for protein induced satiety. Jeanningros R. **Physiol Behav** 1982 Jan;28(1):9–21

Lysine and protein requirements of growing turkeys. Potter LM, et al. **Poult Sci** 1981 Dec;60(12):2678–86

Effect of protein and amino acid status on lipogenesis by turkey poults. Rosebrough RW, et al. **Poult Sci** 1982 Apr; 61(4):731–8

Protein-energy requirements and interactions: introduction. Torún B. **Prog Clin Biol Res** 1981;77:35–57

Interaction of energy and protein intakes in relation to dietary requirements. Torún B, et al. **Prog Clin Biol Res** 1981; 77:47–56

The fate of dietary nitrogen within the digestive tract of the pig. Zebrowska T. **Prog Clin Biol Res** 1981;77:909–24

Nitrogen and energy availabilities in foods and feeds subjected to heating. Knipfel JE. **Prog Food Nutr Sci** 1981; 5(1–6):177–92 (37 ref.)

Factors influencing faecal nitrogen excretion in the sheep. 3. Protein fermentation in the caecum and large intestine. Mason VC, et al. **Z Tierphysiol Tiernahr Futtermittelkd** 1981;46(3):150–64

[Uricemia and uric acid quantities in urine under unbalanced diet (author's transl)] Ruiz-Torres A, et al. **Aktule Gerontol** 1981 Jul;11(4):129–31 (Eng. Abstr.) **(Ger)**

[Physiological nutrition studies of swine for the evaluation of modified proteins. 3. Relationship between the true and apparent N digestibility and amino acid absorption of the small intestines and the parameters of N metabolism] Gebhardt G, et al. **Arch Tierernahr** 1981 Dec; 31(11–12):763–70 (Eng. Abstr.) **(Ger)**

[Protein quality of dietary yeast ribonucleic acid studied in growing rats. 2. Effect of ribonucleic acid on N balance and urinary N fractions] Greife HA, et al. **Arch Tierernahr** 1981 Dec;31(11–12):753–61 (Eng. Abstr.) **(Ger)**

[A new method for testing the quality of food proteins for maintenance metabolism. 3. Methodological studies of 15N-labeled adult rats] Hernández M, et al. **Arch Tierernahr** 1981 Oct;31(10):651–60 (Eng. Abstr.) **(Ger)**

[Concentration of urea in blood, a parameter for the assessment of protein metabolism of pregnant sows. 1. Development of the concentration of urea in blood after the intake of proteins and its relation to N-excretion in urine] Herrmann U, et al. **Arch Tierernahr** 1981 Jul; 31(7–8):471–9 (Eng. Abstr.) **(Ger)**

[Absorption of protein-linked N and synthetic lysine in the small intestine of pigs] Souffrant WB, et al. **Arch Tierernahr** 1981 Sep;31(9):609–17 (Eng. Abstr.) **(Ger)**

[Nutritional and physiological studies of swine for the evaluation of modified proteins. 2. Determination of endogenous N in the contents of the small intestines using the 15N-tracer method] Souffrant WB, et al. **Arch Tierernahr** 1981 Oct;31(10):675–83 (Eng. Abstr.) **(Ger)**

[Protein and energy metabolism in intensive care patients] Schmitz JE, et al. **Infusionsther Klin Ernahr** 1981 Aug; 8(4):158–62 (Eng. Abstr.) **(Ger)**

[Digestion of fat and protein and its relation to the activity of faecal enzymes in mucoviscidosis infants under substitution therapy with pancreatic enzymes (author's transl)] Tolckmitt W, et al. **Klin Padiatr** 1981 Sep; 193(5):365–9 (Eng. Abstr.) **(Ger)**

[Effect of contraceptives on the digestibility of dietary protein and nitrogen balance] Gruhn K, et al. **Nahrung** 1981;25(8):779–88 (Eng. Abstr.) **(Ger)**

[Reduction of food-induced thermogenesis in obesity] Karst H, et al. **Nahrung** 1982;26(4):K23–K26 **(Ger)**

[Utilization of proteins as related to protein and fat intake] Krajčovičová M, et al. **Nahrung** 1981;25(7):647–54 (Eng. Abstr.) **(Ger)**

[Assessment of the protein requirement in old age (author's transl)] Grigorov JuG, et al. **ZFA (Dresden)** 1981; 36(5):409–15 (Eng. Abstr.) **(Ger)**

[Minimal and possible optimal protein and electrolyte requirements in anorexia nervosa] Hasik J, et al. **Pol Arch Med Wewn** 1981 Nov–Dec;66(5–6):363–72 (Eng. Abstr.) **(Pol)**

[Comparison of chemical indicators of protein quality with the degree of its biological utilization by rats kept on low-protein diets] Jabłoński E. **Rocz Panstw Zakl Hig** 1981; 32(3):201–9 (Eng. Abstr.) **(Pol)**

[Protein-calorie allowance and the nutrition of patients with disseminated paralysis under long-term artificial pulmonary ventilation] Syzrantsev IuK, et al. **Anesteziol Reanimatol** 1981 Nov–Dec;(6):43–5 (Eng. Abstr.) **(Rus)**

[Effect of protein on the induction and renewal of a cytochrome P-450 complex in the rat liver] Gapparov MM, et al. **Biull Eksp Biol Med** 1982 Apr;93(4):43–6 (Eng. Abstr.) **(Rus)**

[Enzymatic properties of the brush border of enterocytes of different animals, and its role in the membrane digestion of proteins, fats and carbohydrates] Tsvetkova VA, et al. **Fiziol Zh SSSR** 1982 Apr;68(4):433–45 **(Rus)**

[Biological value of different proteins used in the early period of postnatal development] Chernikov MP, et al. **Vopr Pitan** 1981 Nov–Dec;(6):28–31 (Eng. Abstr.) **(Rus)**

[Functional status of the small intestine in patients with cerebral circulatory disorders (clinico-radiologic study)] Murzaliev AM, et al. **Zh Nevropatol Psikhiatr** 1981; 81(9):1313–6 (Eng. Abstr.) **(Rus)**

[Utilization of proteins in rats with different fat and saccharide intakes] Krajčovičová M, et al. **Vet Med (Praha)** 1982 Jan;27(1):45–56 (Eng. Abstr.) **(Slo)**

[Influence of cortisol administration on dietary protein utilization in growing rats (author's transl)] Moreiras-Varela O, et al. **Arch Farmacol Toxicol** 1981 Dec; 7(3):341–51 (Eng. Abstr.) **(Spa)**

[Possible relationship of physical, chemical and nutritional measurements of the common bean (Phaseolus vulgaris)] Bressani R, et al. **Arch Latinoam Nutr** 1981 Sep; 31(3):550–70 (Eng. Abstr.) **(Spa)**

[Protein absorption in children with giardiasis] Vega-Franco L, et al. **Bol Med Hosp Infant Mex** 1982 Jan;39(1):19–22 (Eng. Abstr.) **(Spa)**

[Nitrogen balance and protein requirements in pre-term infants] Senterre J. **Rev Chil Pediatr** 1981 Jul–Aug; 52(4):281–7 **(Spa)**

[Nitrogen balance and protein requirement in premature infants] Senterre J. **Rev Chil Pediatr** 1981 Jul–Aug; 52(4):281–7 **(Spa)**

[Effect of lindane on protein nutritive utilization in trout (Salmo gairdneri) (author's transl)] Mendiola P, et al. **Rev Esp Fisiol** 1981 Jun;37(2):141–6 (Eng. Abstr.) **(Spa)**

PHARMACODYNAMICS

The absorption and excretion of methyldopa ingested concomitantly with amino acids or food rich in protein. Stenbaek O, et al. **Acta Pharmacol Toxicol (Copenh)** 1982 Mar;50(3):225–9

Blood pressure and diet in normotensive volunteers: absence of an effect of dietary fiber, protein, or fat. Brussaard JH, et al. **Am J Clin Nutr** 1981 Oct;34(10):2023–9

The inhibitory effect of soy products on nonheme iron absorption in man. Cook JD, et al. **Am J Clin Nutr** 1981 Dec;34(12):2622–9

Effect of soy protein on nonheme iron absorption in man. Hallberg L, et al. **Am J Clin Nutr** 1982 Sep;36(3):514–20

Relative contribution of fat, protein, carbohydrate, and ethanol to intestinal hyperemia. Siregar H, et al. **Am J Physiol** 1982 Jan;242(1):G27–31

The effect of dietary protein concentration and quality on the hormonal status, protein metabolism and milk protein concentrations of rats. Grimble RF. **Ann Nutr Metab** 1981; 25(4):221–7

Effect of dietary protein quality on rat kidney glutaminase activity. Kuttykrishnan C, et al. **Ann Nutr Metab** 1981; 25(3):151–7

Effect of plant proteins on cholesterol metabolism in growing rats fed atherogenic diets. Mokady S, et al. **Ann Nutr Metab** 1982;26(2):138–44

Dorsomedial hypothalamic hypophagia: self-selection of diets and macronutrients, efficiency of food utilization, 'stress eating', response to high-protein diet and circulating substrate concentrations. Bernardis LL, et al. **Appetite** 1981 Jun;2(2):103–13

Effects of diet substituted in protein components on the fertility and on postnatal growth and behaviour of rats. Chiesara E, et al. **Arch Toxicol [Suppl]** 1982;5:205–8

Long-term effects of semipurified diets containing casein or soy protein isolate on atherosclerosis and plasma lipoproteins in rabbits. Huff MW, et al. **Atherosclerosis** 1982 Feb;41(2–3):327–36

Dietary regulation of pancreatic protein synthesis. I. Rapid and specific modulation of enzyme synthesis by changes in dietary composition. Dagorn JC, et al. **Biochim Biophys Acta** 1981 Jun 26;654(1):111–8

Dietary regulation of pancreatic protein synthesis. II. Kinetics of adaptation of protein synthesis and its effect on enzyme content. Lahaie RG, et al. **Biochim Biophys Acta** 1981 Jun 26;654(1):119–23

Diurnal variations in plasma aminoacid concentrations. I) Effect of dietary protein intake on rhythm of neutral aminoacids. Ruggiero M, et al. **Boll Soc Ital Biol Sper** 1981 Nov 15;57(21):2116–22

Diurnal variations in plasma concentrations of neutral amino acids. 2) Effect of dietary protein intake on amino acid ratios. Ruggiero M, et al. **Boll Soc Ital Biol Sper** 1981 Nov 15;57(21):2123–9

Effect of dietary protein level, and an anabolic steroid, ethylestrenol, on the growth, food conversion efficiency and protein efficiency ratio of rainbow trout (Salmo gairdneri). Ince BW, et al. **Br J Nutr** 1982 May; 47(3):615–24

The effect of dietary raw and autoclaved soya-bean protein fractions on growth, pancreatic enlargement and pancreatic enzymes in rats. Naim M, et al. **Br J Nutr** 1982 Mar; 47(2):281–8

Utilization of low-quality roughages; effects of supplementing with casein treated or untreated with formaldehyde on digesta flows, intake and growth rate of cattle eating wheat straw. Sriskandarajah N, et al. **Br J Nutr** 1982 May;47(3):553–63

A longitudinal cross-over study of serum cholesterol and lipoproteins in rabbits fed on semi-purified diets containing either casein or soya-bean protein. Terpstra AH, et al. **Br J Nutr** 1982 Mar;47(2):213–21

Studies on the meat production potential of the indigenous fowl of Nigeria: 1. The effect of dietary protein and energy on performance to broiler age. Oluyemi JA. **Bull Anim Health Prod Afr** 1981 Sep;29(3):219–23

Effects of dietary protein on composition and turnover of apoproteins in plasma lipoproteins of rabbits. Roberts DC, et al. **Can J Biochem** 1981 Aug;59(8):642–7

Effect of food on lidocaine kinetics: mechanism of food-related alteration in high intrinsic clearance drug elimination. Elvin AT, et al. **Clin Pharmacol Ther** 1981 Oct;30(4):455–60

Cholinergic modulation of substance P release. Jaffe BM, et al. **Dig Dis Sci** 1982 Jan;27(1):28–32

Regulation of N-acetylglutamate synthetase in mouse liver. Postprandial changes in sensitivity to activation by arginine. Kawamoto S, et al. **Eur J Biochem** 1982 Apr; 123(3):637–41

Effects of early undernutrition and subsequent rehabilitation on acetylcholine levels in rat brain. Kulkarni AB, et al. **Experientia** 1982 Mar 15;38(3):377–8

The influence of low calorie (240 kcal/day) protein-carbohydrate diet on serum lipid levels in obese subjects. Schouten JA, et al. **Int J Obes** 1981;5(3):333–9

Metabolic effects of substituting carbohydrate for protein in a low-calorie diet: a prolonged study in obese patients. Yang MU, et al. **Int J Obes** 1981;5(3):231–6

Biochemical studies on molybdenum toxicity in rats: effects of high protein feeding. Bandyopadhyay SK, et al. **Int J Vitam Nutr Res** 1981;51(4):401–9

Antibody response and serum protein and immunoglobulin concentrations in pigs from sows fed different protein sequences during gestation and lactation. Haye SN, et al. **J Anim Sci** 1981 Nov;53(5):1262–8

Regulation of N-acetyl-L-glutamate degradation in mammalian liver. Morita T, et al. **J Biochem (Tokyo)** 1982 Feb;91(2):563–9

Effects of synthetic salmon calcitonin administration on gastrin, immunoreactive insulin and growth hormone release after protein meal in uremic patients. Lunetta M, et al. **J Endocrinol Invest** 1981 Apr–Jun;4(2):185–8

Effect of dietary asparagine and protein-equivalents in crystalline amino acid diets on asparagine metabolism in chicks. Balling R, et al. **J Nutr** 1981 Oct;111(10):1749–56

Influence of dietary proteins on the immune system of mice. Bounous G, et al. **J Nutr** 1982 Sep;112(9):1747–55

Interaction of dietary protein with cellulose in the adaptation of caloric dilution by weaning rats. Delorme CB, et al. **J Nutr** 1982 Jan;112(1):21–8

Potassium requirement of kittens as affected by dietary protein. Hills DL, et al. **J Nutr** 1982 Feb;112(2):216–22

Relationships among maternal diet, serotonin metabolism at weaning, and protein selection of progeny. Leprohon CE, et al. **J Nutr** 1982 Jan;112(1):29–38

Effect of dietary protein and cholesterol on cholesterol concentration and lipoprotein pattern in the serum of chickens. Mol MA, et al. **J Nutr** 1982 Jun;112(6):1029–37

Dietary stress and development of resistance of Listeria monocytogenes in mice. Petro TM, et al. **J Nutr** 1982 Aug; 112(8):1498–505

Secretion of cholesterol, triglyceride and apolipoprotein A-I by isolated perfused liver from rats fed soybean protein and casein or their amino acid mixtures. Sugano M, et al. **J Nutr** 1982 May;112(5):855–62

The hypocholesterolemic effect of dietary soy protein in rats. Terpstra AH, et al. **J Nutr** 1982 Apr;112(4):810–7

Availability to rats of zinc from soybean seeds as affected by maturity of seed, source of dietary protein, and soluble phytate. Welch RM, et al. **J Nutr** 1982 May;112(5):879–85

The effect of age on the development of hypercholesterolemia in rabbits fed semipurified diets containing casein. West CE, et al. **J Nutr** 1982 Jul; 112(7):1287–95

Effects of dietary protein or amino acids in the perfusion medium on amino acid metabolism in perfused adult rat liver. Fujita Y, et al. **J Nutr Sci Vitaminol (Tokyo)** 1981; 27(2):149–63

Serum and liver cholesterol levels of rats and mice fed soy-bean protein or casein. Nagata Y, et al. **J Nutr Sci Vitaminol (Tokyo)** 1981;27(6):583–93

Effects of dietary soybean globulins on plasma and liver lipids and on fecal excretion of neutral sterols in rats. Okita T, et al. **J Nutr Sci Vitaminol (Tokyo)** 1981;27(4):379–88

Effects of dietary soy protein on liver catabolism and plasma transport of cholesterol in hypercholesterolemic rats. Bosisio E, et al. **J Steroid Biochem** 1981 Nov;14(11):1201–7

The influence of minerals and protein on the nephrocalcinosis potential for rats of semisynthetic diets. Meyer O, et al. **Lab Anim** 1982 Jul;16(3):271–3

Induction of a neutral protease from rat intestine by a dietary manipulation. Wada K, et al. **Life Sci** 1981 Jul 13; 29(2):201–7

Meal stimulation of cortisol secretion: a protein induced effect. Slag MF, et al. **Metabolism** 1981 Nov;30(11):1104–8

Thermic effect of feeding in man: increased plasma norepinephrine levels following glucose but not protein or fat consumption. Welle S, et al. **Metabolism** 1981 Oct; 30(10):953–8

Adaptability of pancreatic enzymes activity to various food nutritive values in man. Influence of high protein diet. Bučko A, et al. **Nahrung** 1982;26(1):59–64

Effect of protein and taurine content of maternal diet on the physical development of neonates. van Gelder NM, et al. **Neurochem Res** 1981 May;6(5):539–49

Sulfur amino acids and the calciuretic effect of dietary protein. **Nutr Rev** 1981 Mar;39(3):127–9 (13 ref.)

The effect of copper and protein on iron metabolism in rats fed a cereal diet. Resurreccion AV, et al. **Sci Total Environ** 1981 Aug;20(1):49–56

Interaction between nutrition and theophylline metabolism in children. Feldman CH, et al. **Ther Drug Monit** 1982; 4(1):69–76

The relationship of dietary protein to metallothionein and cadmium-induced renal damage. Revis NW. **Toxicology** 1981;20(4):323–33

Dietary suppression of rodent malaria. Edirisinghe JS, et al. **Trans R Soc Trop Med Hyg** 1981;75(4):591–3

The distribution of cholesterol between lipoprotein fractions of serum from rabbits fed semipurified diets containing casein and either coconut oil or corn oil. Beynen AC, et al. **Z Tierphysiol Tiernahr Futtermittelkd** 1981;46(5):233–9

Relations between dietary salt type, acidosis and hyperlipemia in rabbits on casein containing semipurified diets. Beynen AC, et al. **Z Tierphysiol Tiernahr Futtermittelkd** 1981;46(5):240–6

[Influence of protein content on total CSF protein (author's transl)] Schmid-Burgk W, et al. **Fortschr Neurol Psychiatr** 1982 Apr;50(4):113–5 (Eng. Abstr.) **(Ger)**

[Relations between gastrin and calcitonin secretion after a protein meal in young and elderly subjects] Palummeri E, et al. **G Clin Med** 1981 Jun;62(6):394–407 (Eng. Abstr.) **(Ita)**

[Influence of the preconception maternal nutritional status on fetal growth and development in rats] Araya J, et al. **Arch Latinoam Nutr** 1981 Mar;31(1):133–45 (Eng. Abstr.) **(Spa)**

STANDARDS

Protein evaluation of mixed diets in young adults, growing pigs, and growing rats. Forsum E, et al. **Am J Clin Nutr** 1982 Sep;36(3):505–13

Protein evaluation of mixed diets. Comparative study in man and in the pig and rat of vegetable-animal and vegetable protein diets. Forsum E, et al. **Ann Nutr Metab** 1981; 25(3):137–50

Protein–polyphenol reactions. 1. Nutritional and metabolic consequences of the reaction between oxidized caffeic acid and the lysine residues of casein. Hurrell RF, et al. **Br J Nutr** 1982 Mar;47(2):191–211

The nutritive value and some biochemical aspects of single cell protein obtained from 'Saccharomyces, sp.', in rat feeding. de Moura EC, et al. **Growth** 1981 Winter; 45(4):298–321

Assessment of protein digestibility by in vitro enzymatic hydrolysis with simultaneous dialysis. Gauthier SF, et al. **J Nutr** 1982 Sep;112(9):1718–25

Sequence in which the amino acids on corn (Zea mays) become limiting for growing rats. Lewis AJ, et al. **J Nutr** 1982 Apr;112(4):782–8

Protein quality and digestibility of sorghum in preschool children: balance studies and plasma free amino acids. MacLeon WC Jr, et al. **J Nutr** 1981 Nov;111(11):1928–36

Optimalization of the protein content of canned baby-foods based on their nutritive value. Dworschák E, et al. **Nahrung** 1981;25(9):825–30

Physiological and safety aspects of Maillard browning of foods. Lee TC, et al. **Prog Food Nutr Sci** 1981;5(1–6):243–56 (44 ref.)

THERAPEUTIC USE

Effect of renutrition on humoral and cell-mediated immunity in severely malnourished children. McMurray DN, et al. **Am J Clin Nutr** 1981 Oct;34(10):2117–26

Determinants of hypocholesterolemic response to soy and animal protein-based diets. Shorey RL, et al. **Am J Clin Nutr** 1981 Sep;34(9):1769–78

Reversal of debrancher deficiency myopathy by the use of high-protein nutrition. Slonim AE, et al. **Ann Neurol** 1982 Apr;11(4):420–2

Reduction of casein-induced hypercholesterolaemia and atherosclerosis in rabbits and rats by dietary glycine, arginine and alanine. Katan MB, et al. **Atherosclerosis** 1982 Jun;43(2–3):381–91

Influence of dietary protein levels on survival of rats following kidney irradiation. Mahler PA, et al. **Int J Radiat Oncol Biol Phys** 1982 May;8(5):931–5

Protein food mixture for Zambian children. Raghu MB, et al. **Med J Zambia** 1980 Oct–Nov;14(6):103–6

Propionyl-CoA carboxylase deficiency: case report, effect of low-protein diet and identification of 3-oxo-2-methylvaleric acid 3-hydroxy-2-methylvaleric acid, and maleic acid in urine. Bergstrøm T, et al. **Scand J Clin Lab Invest** 1981 Apr;41(2):117–26

[Effect of a diet containing a soy isolate on serum amino acid composition and on other interstitial metabolic indices in chronic hepatitis] Fan TK, et al. **Vopr Pitan** 1981 Jul–Aug;(4):11–4 (Eng. Abstr.) **(Rus)**

[Relative efficiency of increased energy and proteins in undernourished children] Rio ME, et al. **Medicina (B Aires)** 1981;41(3):343–8 (Eng. Abstr.) **(Spa)**

TOXICITY

Long term toxicity and carcinogenicity of a new protein source in rats. Perri GC, et al. **Toxicol Eur Res** 1981 Nov; 3(6):305–10

DIETARY SERVICES

Nutrient intake, adiposity, plasma total cholesterol, and blood pressure of rural participants in the (Vermont) Nutrition Program for Older Americans (Title III). Clarke RP, et al. **Am J Clin Nutr** 1981 Sep;34(9):1743–51

Nutritional services during pregnancy and birthweight: a retrospective matched pair analysis. Rush D. **Can Med Assoc J** 1981 Sep 15;125(6):567–76

Strategies to promote diet compliance by the elderly. Swartz J. **Dimens Health Serv** 1982 Jul;59(7):14–5

Requisites of advocacy: philosophy, research, documentation. Phase II of the costs and benefits of nutritional care. **J Am Diet Assoc** 1982 Mar;80(3):213–4

Effect of WIC supplemental feeding on hemoglobin and hematocrit of prenatal patients. Kennedy ET, et al. **J Am Diet Assoc** 1982 Mar;80(3):227–30

Evaluation of the effect of WIC supplemental feeding on birth weight. Kennedy ET, et al. **J Am Diet Assoc** 1982 Mar;80(3):220–7

Nutritional care of hospitalized patients in Brazil with particular reference to pellagra and alcoholism as complicating factors. dos Santos JE, et al. **Prog Clin Biol Res** 1981;77:719–27 (20 ref.)

ECONOMICS

Nutrient-cost nomogram: an appropriate technology. Gurney JM, et al. **Am J Clin Nutr** 1981 Dec;34(12):2615–8

Federal focus on nutrition and dietetics. Block JR. **J Am Diet Assoc** 1981 Dec;79(6):643–7

MANPOWER

[Dietetic assistants in a a medicine. Changes in a profession in the course of time] Buchenau H. **Fortschr Med** 1982 May 20;100(19):871–2, 916 **(Ger)**

ORGANIZATION & ADMINISTRATION

Development of a dietary intake monitoring system for nursing homes. Johnson NE, et al. **J Am Diet Assoc** 1982 Jun;80(6):549–57

DIETETICS

see related
DIETARY SERVICES
FOOD SERVICE, HOSPITAL

The dietitian's role in clinical nutrition. Felton GA, et al. **Acta Chir Scand [Suppl]** 1981;507:167–9

The logistics of dietary surveys. Black AE. **Hum Nutr Appl Nutr** 1982 Apr;36(2):85–94

Identification of clinical dietetic practitioners' time use for the provision of nutrition care. **J Am Diet Assoc** 1981 Dec; 79(6):708–15

Self-assessment: a quality assurance tool. Adamow CL. **J Am Diet Assoc** 1982 Jul;81(1):62–3

Federal focus on nutrition and dietetics. Block JR. **J Am Diet Assoc** 1981 Dec;79(6):643–7

Student selection in dietetic internship programs. Brooks DL, et al. **J Am Diet Assoc** 1982 Apr;80(4):355–60

Analysis of meal census patterns for forecasting menu item demand. Chandler SJ, et al. **J Am Diet Assoc** 1982 Apr; 80(4):317–23

Hospital dietitians in mid-career, I. Career patterns, interests, and aspirations. Fargen D, et al. **J Am Diet Assoc** 1982 Jul;81(1):41–7

Automated hospital information system functions for dietetics. Hoover LW, et al. **J Am Diet Assoc** 1982 Apr; 80(4):312–6

The president's page. Langholz EP. **J Am Diet Assoc** 1982 Sep;81(3):291–3

The entry-level generalist dietitian: I. Employer's general opinions of the adequacy of educational preparation in administration. Rinke WJ, et al. **J Am Diet Assoc** 1982 Feb;80(2):132–9

The entry-level generalist dietitian: II. Employers' perceptions of the adequacy of preparation for specific administrative competencies. Rinke WJ, et al. **J Am Diet Assoc** 1982 Feb;80(2):139–47

Some suggested 'do's' and don'ts' of cooperative diet manual ventures. Signore J. **J Am Diet Assoc** 1982 Sep;81(3):280–3

Freelance dietetics in the UK. Bond S. **J Hum Nutr** 1981 Dec;35(6):431–6

[Computers applied to dietetics] Viviente López E, et al. **Rev Sanid Hig Publica (Madr)** 1979 May–Jun; 53(5–6):837–42 (Eng. Abstr.) **(Spa)**

ECONOMICS

Comments related to a study of methods for improving coverage of registered dietitians' services provided by home health agencies. **J Am Diet Assoc** 1982 May; 80(5):464–72

EDUCATION

ASHP supplemental standard and learning objectives for residency training in nutritional support pharmacy practice. Vanderveen T, et al. **Am J Hosp Pharm** 1981 Dec; 38(12):1971–3

A computer-managed instruction system applied to dietetic education. Argo JK, et al. **J Am Diet Assoc** 1981 Oct; 79(4):450–2

Dietetic internship selection process. Bobeng BJ, et al. **J Am Diet Assoc** 1982 May;80(5):459–60

Simulations teach management and nutrition counseling skills. Dow RM. **J Am Diet Assoc** 1981 Oct;79(4):453–5

Hospital dietitians in mid-career. II. Continuing education experiences and plans. Fargen D, et al. **J Am Diet Assoc** 1982 Jul;81(1):47–53

Continuing professional learning: involvement and opinions of dietitians. Holli BB. **J Am Diet Assoc** 1982 Jul;81(1):53–7

'Healthy mothers, healthy babies'. Hughes M. **J Am Diet Assoc** 1982 Mar;80(3):215

Implications of ADA plan IV for active membership. Junkermier PA, et al. **J Am Diet Assoc** 1982 Apr; 80(4):338–43

Teaching principles and cost of sodium-restricted diets. Kris-Etherton PM, et al. **J Am Diet Assoc** 1982 Jan; 80(1):55–8

Evaluation of two nutrition education modules for hospital staff members. Looker A, et al. **J Am Diet Assoc** 1982 Aug; 81(2):158–63

Producing video cassette programs for diet instruction. Pace PW, et al. **J Am Diet Assoc** 1981 Dec;79(6):689–92

Model workshop on nutrition counseling for dietitians. Snetselaar LG, et al. **J Am Diet Assoc** 1981 Dec; 79(6):678–82

Teaching effectiveness in coordinated undergraduate program in dietetics. Assessments of students, graduates, and program directors. Spence H, et al. **J Am Diet Assoc** 1982 Aug;81(2):151–8

Cost-effectiveness of undergraduate programs in dietetics. Sullivan CF, et al. **J Am Diet Assoc** 1982 Jun;80(6):561–5

Teaching behaviors of clinical instructors. Use of the critical incident technique to determine teacher effectiveness. Weitzenfeld DP, et al. **J Am Diet Assoc** 1982 May; 80(5):450–4

[Dietetic assistants in a a medicine. Changes in a profession in the course of time] Buchenau H. **Fortschr Med** 1982 May 20;100(19):871–2, 916 **(Ger)**

HISTORY

The boys in the club. Horton LE. **J Am Diet Assoc** 1982 Jul;81(1):17–25

MANPOWER

Clinical dietetics: forces shaping its future. Calvert S, et al. **J Am Diet Assoc** 1982 Apr;80(4):350–4

STANDARDS

Practitioner competencies. Meredith SR, et al. **J Am Diet Assoc** 1982 Aug;81(2):168–76

Quality assurance. II. Application of oncology standards against a levels of care model. Oberfell MS, et al. **J Am Diet Assoc** 1982 Aug;81(2):129–35

Quality assurance. I. A levels of care model. Ometer JL, et al. **J Am Diet Assoc** 1982 Aug;81(2):129–32

TRENDS

Nutrition education and its application in the community. Burman G. **Hum Nutr Appl Nutr** 1982 Feb;36(1):5–10

Practitioners view dietetic roles for the 1980s. Parks SC, et al. **J Am Diet Assoc** 1982 Jun;80(6):574–6

Dietitians in private practice: colleagues in nutritional care. Scialabba MA. **Penn Med** 1982 Feb;85(2):67–8

DIETHAZINE see under **PHENOTHIAZINES**

DIETHYL PYROCARBONATE see under **FORMATES**

DIETHYLAMINES

METABOLISM

Fish muscle microsomes catalyze the conversion of trimethylamine oxide to dimethylamine and formaldehyde. Parkin KL, et al. **FEBS Lett** 1982 Mar 8;139(1):61–4

THERAPEUTIC USE

[Effect of chromocarbe diethylamine in the treatment of diabetic retinopathy] Soyeux A, et al. **Bull Soc Ophtalmol Fr** 1981 Oct;81(10):783–5 **(Fre)**

[Comparison of the intensity of the effect of ethmozine and its diethylamine analog on the ectopic foci of excitation at the late stage of experimental myocardial infarct] Rozenshtraukh LV, et al. **Kardiologiia** 1981 Oct; 21(10):75–80 (Eng. Abstr.) **(Rus)**

TOXICITY

Toxicological testing of rats subjected to inhalation of diethylhydroxylamine, nitroethane, and diethylamine hydrogen sulfite. Heicklen J, et al. **Environ Res** 1981 Dec; 26(2):258–73

Chronic inhalation study of mice subjected to diethylhydroxylamine, nitroethane, and diethylamine hydrogen sulfite. Heicklen J, et al. **Environ Res** 1982 Apr; 27(2):277–89

URINE

High-performance liquid chromatographic method for the determination of diethylamine, a metabolite of disulfiram, in urine. Neiderhiser DH, et al. **J Chromatogr** 1982 May 14;229(2):470–4

Evaluation and application of a urinary diethylamine method to measure compliance with disulfiram therapy. Fuller RK, et al. **J Stud Alcohol** 1981 Mar;42(3):202–7

DIETHYLCARBAMAZINE

ADMINISTRATION & DOSAGE

Effect of diethylcarbamazine medicated common salt on Wuchereria bancrofti prophylaxis. Rao PK, et al. **J Commun Dis** 1980 Dec;12(4):205–9

Management of onchocerciasis. Personal observations. Mahoney JL. **S Afr Med J** 1982 Jan 9;61(2):50–52

Chemotherapy with diethylcarbamazine and levamisole in Bancroftian filariasis. McMahon JE. **Tropenmed Parasitol** 1981 Dec;32(4):250–2

[Follow-up survey on the long-term effects of hetrazan medicated salt in the control of Malayi filariasis (author's transl)] **Chung Hua Yu Fang I Hsueh Tsa Chih** 1981 Jul; 15(4):234–5 **(Chi)**

[Mass chemotherapy with spaced doses of diethylcarbamazine: effects in Tahiti on microfilaraemia due to Wuchereria bancrofti var. pacifica] Laigret J, et al. **Bull WHO** 1980;58(5):779–83 (Eng. Abstr.) **(Fre)**

ADVERSE EFFECTS

Inhibition of the adverse reaction to diethylcarbamazine in Dirofilaria immitis-infected dogs by lodoxamide ethyl. Desowitz RS, et al. **Am J Trop Med Hyg** 1982 Mar; 31(2):309–12

Ascending paralysis associated with diethylcarbamazine treatment of M. loa loa infection. Stanley SL Jr, et al. **Trop Doct** 1982 Jan;12(1):16–9

ANALOGS & DERIVATIVES

Loiasis: a case report. Vermeer BJ, et al. **Acta Derm Venereol (Stockh)** 1982;62(1):78–9

Identification and quantification of diethylcarbamazine and diethylcarbamazine N-oxide in rat urine. Edwards G, et al. **Xenobiotica** 1981 Apr;11(4):281–4

DIAGNOSTIC USE

Evaluation of the diethylcarbamazine provocative test in the diagnosis of Wuchereria bancrofti infections in the Nigerian savanna and the effects on Dipetalonema perstans. Wijeyaratne PM, et al. **Trans R Soc Trop Med Hyg** 1982; 76(3):387–91

The examination—time/dose interval in the provocation of nocturnally periodic microfilariae of Wuchereria bancrofti with diethylcarbamazine and the practical uses of the test. McMahon JE. **Tropenmed Parasitol** 1982 Mar;33(1):28–30

[Two observations of Loa loa filariasis. Value of the diethylcarbamazine test (author's transl)] Garnier C, et al. **Sem Hop Paris** 1981 Oct 8–15;57(37–38):1535–6 (Eng. Abstr.) **(Fre)**

METABOLISM

The effect of renal disease on the pharmacokinetics of diethylcarbamazine in man. Adjepon-Yamoah KK, et al. **Br J Clin Pharmacol** 1982 Jun;13(6):829–34

The effect of variations in urinary pH on the pharmacokinetics of diethylcarbamazine. Edwards G, et al. **Br J Clin Pharmacol** 1981 Dec;12(6):807–12

Diethylcarbamazine disposition in patients with onchocerciasis. Edwards G, et al. **Clin Pharmacol Ther** 1981 Oct;30(4):551–7

Comparative tissue distribution and urinary excretion of diethylcarbamazine and centperazine. Roy TK, et al. **Indian J Med Res** 1981 Oct;74:565–71

PHARMACODYNAMICS

Eosinophil leucocytic reactions from diethylcarbamazine in filariasis. Gustavson-Moringlane IL, et al. **Ann Trop Med Parasitol** 1981 Dec;75(6):615–21

Effects of antifilarial drugs on the activities of the oxidative enzymes of mitochondria and microsomes of rat liver and kidneys. Roy TK, et al. **Biochem Biophys Res Commun** 1982 Jun 15;106(3):888–94

Inhibition of leukotriene biosynthesis in mastocytoma cells by diethylcarbamazine. Mathews WR, et al. **Biochem Pharmacol** 1982 Jun 1;31(11):2129–32

Effect of diethylcarbamazine on Wuchereria bancrofti microfilarial enzymes. Chandrasekaran B, et al. **Indian J Biochem Biophys** 1981 Apr;18(2):139–41

Effect of diethylcarbamazine on Microfilariae of Brugia malayi in the jird, Meriones unguiculatus. Tanaka H, et al. **Jpn J Exp Med** 1981 Jun;51(3):195–6

THERAPEUTIC USE

The long term effects of repeated diethylcarbamazine administration with special reference to microfilaraemia and elephantiasis. Partono F, et al. **Acta Trop (Basel)** 1981 Sep;38(3):217–25

Effect of treatment with diethylcarbamazine on immune responses to filarial antigens in patients infected with Brugia malayi. Piessens WF, et al. **Acta Trop (Basel)** 1981 Sep; 38(3):227–34

Effect of diethylcarbamazine on Strongylus vulgaris infection in ponies. Hofing GL, et al. **Am J Vet Res** 1982 Feb; 43(2):341–5

In vivo suppression of delayed hypersensitivity by thiabendazole and diethylcarbamazine. Hewlett EL, et al. **Immunopharmacology** 1981 Dec;3(4):325–32

Effects of diethylcarbamazine treatment of Brugia malayi microfilaria carriers. Rao CK, et al. **Indian J Med Res** 1981 Jan;73 Suppl:87–92

Wuchereria bancrofti infections in Egypt and their treatment with diethylcarbamazine. Atta NA, et al. **J Egypt Soc Parasitol** 1982 Jun;12(1):41–50

Evaluation of the therapeutic effect of diethylcarbamazine (Hetrazan) in Bancroftian filariasis using various techniques in Upper Egypt. Makhlouf LM, et al. **J Egypt Soc Parasitol** 1981 Dec;11(2):373–9

Low density microfilaremia of Wuchereria bancrofti infections in pre- and post-treatment phases in the Philippines. Shibuya T, et al. **Jpn J Exp Med** 1981 Apr; 51(2):133–5

Serum microfilarial antibody titres before and after treatment of bancroftian microfilaraemia with diethylcarbamazine. Grove DI. **Southeast Asian J Trop Med Public Health** 1981 Dec;12(4):487–91

Litomosoides carinii infection in cotton-rats: evolution of microfilaraemia before and after treatment with diethylcarbamazine and suramin. Carme B, et al. **Trans R Soc Trop Med Hyg** 1981;75(3):418–20

Chemotherapy with spaced doses of diethylcarbamazine preceded by levamisole on Bancroftian filariasis. Temu SE, et al. **Trans R Soc Trop Med Hyg** 1981;75(6):835–7

[Evaluation of regimens for mass-treatment of onchocerciasis by diethylcarbamazine (author's transl)] Philippon G, et al. **Med Trop (Mars)** 1981 Nov-Dec;41(6):613–8 (Eng. Abstr.) **(Fre)**

URINE

Identification and quantification of diethylcarbamazine and diethylcarbamazine N-oxide in rat urine. Edwards G, et al. **Xenobiotica** 1981 Apr;11(4):281–4

DIETHYLDITHIOCARBAMATE see under **THIOCARBAMATES**

DIETHYLENETRIAMINE PENTAACETIC ACID see **DTPA**

DIETHYLHEXYL PHTHALATE see under **PHTHALIC ACIDS**

DIETHYLNICOTINAMID see **NIKETHAMIDE**

DIETHYLNITROSAMINE see under **NITROSAMINES**

DIETHYLPROPION

ADVERSE EFFECTS

Confusional paranoid psychosis after withdrawal from sympathomimetic amines: two case reports. Deveaugh-Geiss J, et al. **Am J Psychiatry** 1982 Sep; 139(9):1190–1

DIETHYLSTILBESTROL

Osseous changes and osteosacomas in mice continuously fed diets containing diethylstilbestrol or 17 beta-estradiol. Highman B, et al. **JNCI** 1981 Sep;67(3):653–62

ADMINISTRATION & DOSAGE

Permissive role of the pituitary in the induction and growth of estrogen-dependent renal tumors. Lin YC, et al. **Cancer Res** 1982 Mar;42(3):1015–9

Estrogen-induced deficiency and decrease in antithrombin III activity in patients with prostatic cancer. Büller HR, et al. **J Urol** 1982 Jul;128(1):72–4

[Urethral caruncle treated with local application of stilbestrol (author's transl)] Chen YM, et al. **Chung Hua Wai Ko Tsa Chih** 1981 Jan;19(1):48 (Eng. Abstr.) **(Chi)**

ADVERSE EFFECTS

Structure of the prostate and the pelvic urethra in barrows and the changes induced by diethylstilbestrol. Lauwers H, et al. **Acta Anat (Basel)** 1981;110(4):327–37

Uterine anomalies in diethylstilbestrol-exposed women with fertility disorders. Ben-Baruch G, et al. **Acta Obstet Gynecol Scand** 1981;60(4):395–7

Reproductive tract abnormalities in rats treated neonatally with DES. Ennis BW, et al. **Am J Anat** 1982 Jun; 164(2):145–54

Reproductive and gynecologic surgical experience in diethylstilbestrol-exposed daughters. Herbst AL, et al. **Am J Obstet Gynecol** 1981 Dec 15;141(8):1019–28

Hirsutism and menstrual patterns in women exposed to diethylstilbestrol in utero. Peress MR, et al. **Am J Obstet Gynecol** 1982 Sep 15;144(2):135–40

In utero exposure to diethylstilbestrol: adverse effects on the reproductive tract and reproductive performance and male and female offspring. Stillman RJ. **Am J Obstet Gynecol** 1982 Apr 1;142(7):905–21 (54 ref.)

Clear cell adenocarcinoma and the current status of DES-exposed females. Herbst AL. **Cancer** 1981 Jul 15;48(2 Suppl):484–8

DES-related vaginal lesions. Ostergard DR. **Clin Obstet Gynecol** 1981 Jun;24(2):379–94

Squamous papilloma arising in cervical ectropion associated with intrauterine diethylstilbestrol exposure. Chen KT, et al. **Diagn Gynecol Obstet** 1982 Summer;4(2):137–9

Structure and function of the fallopian tubes following exposure to diethylstilbestrol (DES) during gestation. DeCherney AH, et al. **Fertil Steril** 1981 Dec;36(6):741–5

Estrogen predisposes to cholecystectomy but not to stones. Everson RB, et al. **Gastroenterology** 1982 Jan;82(1):4–8

Role of Hormones including diethylstibestrol (DES) in the pathogenesis of cervical and vaginal intraepithelial neoplasia. Robboy SJ, et al. **Gynecol Oncol** 1981 Oct;12(2 Pt 2):S98–110 (48 ref.)

Randomised trial of high doses of stilboestrol and ethisterone therapy in pregnancy: long-term follow-up of the children. Beral V, et al. **J Epidemiol Community Health** 1981 Sep; 35(3):155–60

Diethylstilbestrol and immunologic sequelae [letter] Ablin RJ. **J Urol** 1982 Feb;127(2):344

Role of estrogens as promoters of hepatic neoplasia. Wanless IR, et al. **Lab Invest** 1982 Mar;46(3):313–20

Des--risk and response [editorial] **Med J Aust** 1981 Jul 11; 2(1):2–3

Diethylstilbestrol-medicolegal chronology. Weitzner K, et al. **Med Trial Tech Q** 1981 Fall;28(2):145–70

Risks of cervical intraepithelial neoplasia among DES-exposed women. Fowler WC Jr, et al. **Obstet Gynecol** 1981 Dec;58(6):720–4

Diethylstilbestrol and other sex hormones during pregnancy. Herbst AL. **Obstet Gynecol** 1981 Nov;58(5 Suppl):35S–40S (47 ref.)

Development of clear cell adenocarcinoma in DES-exposed offspring under observation. Kaufman RH, et al. **Obstet Gynecol** 1982 Jun;59(6 Suppl):68S–72S

Pregnancy outcome in 98 women exposed to diethylstilbestrol in utero, their mothers, and unexposed siblings. Mangan CE, et al. **Obstet Gynecol** 1982 Mar; 59(3):315–9

The current status of the DES-exposed population. Herbst AL. **Obstet Gynecol Annu** 1981;10:267–78 (38 ref.)

Structural changes of the genital tract associated with in utero exposure to diethylstilbestrol. Kaufman RH. **Obstet Gynecol Annu** 1982;11:187–202

Management of the adolescent girl exposed in utero to DES. Gerbie MV. **Pediatr Ann** 1981 Dec;10(12):23–6

Gynecologic operative experience in women exposed to DES in utero. Schmidt G, et al. **South Med J** 1982 Mar; 75(3):260–3

[Adverse drug reactions (editorial)] **S Afr Med J** 1981 Sep 5;60(10):373 **(Afr)**

[Effect of ethyl alcohol on morphological state of the accessory sex glands of albino rats given estrogens, testosterone and gonadotropin] Semczuk M, et al. **Patol Pol** 1981;32(1):53–65 (Eng. Abstr.) **(Pol)**

ANALOGS & DERIVATIVES

Modulatory effects of estrogen on immunologic responsiveness. III. Effect of hormonal versus nonhormonal therapy on tumor-associated immunity in prostatic cancer. Ablin RJ. **Am J Reprod Immunol** 1981 Aug;1(4):206–9

Massive pleural effusions from prostatic lymphangitic carcinomatosis: resolution with endocrine therapy. Heffner JE, et al. **Arch Intern Med** 1982 Feb;142(2):375–6

Morphologic and neoplastic transformation of Syrian hamster embryo fibroblasts by diethylstilbestrol and its analogs. McLachlan JA, et al. **Cancer Res** 1982 Aug;42(8):3040–5

The tumor-inhibiting effect of diethylstilbestrol-3,4-oxide. Schneider MR, et al. **J Cancer Res Clin Oncol** 1981; 100(3):247–54

Nuclear diameter in the anterior pituitary gland of the rat: effects of estrogen, bromocriptine, and haloperidol. Jacobi JM, et al. **J Histochem Cytochem** 1982 Jul;30(7):677–81

Effects of diethylstilbestrol diphosphate on serum and tissue ribonuclease levels in prostatic carcinoma. Erkan I, et al. **J Surg Oncol** 1982 Sep;21(1):65–9

Effects of estrogen administration on serum testosterone in Copenhagen rats. Grossman HB, et al. **Prostate** 1982; 3(3):225–9

Thrombocytopenia during diethylstilbestrol diphosphate (stilphostrol) infusion for carcinoma of the prostate. Nachtsheim DA, et al. **Prostate** 1980;1(1):105–9

A patient with carcinoma of the prostate in treatment with stilphosterol developed a near fatal pulmonary complication. Jones WL. **SD J Med** 1982 May;35(5):5–8

Diethylstilbestrol-diphosphate-induced disseminated intravascular coagulation in prostatic carcinoma. Cornfield DB, et al. **South Med J** 1982 Feb;75(2):248–9

[Long-term study of plasma testosterone levels in hormone therapy of prostatic cancer] Hájek J, et al. **Vnitr Lek** 1981 Sep;27(9):852–60 (Eng. Abstr.) **(Cze)**

[Syntheses and evaluation of the potentially oestrophilic cytostatics 2,3-epoxy-3,4-bis-(4-acetoyphenyl)-4-hexene and 2,3,4,5-bisepoxy-3,4-bis-(4-acetoxyphenyl)hexane (author's transl)] Schneider MR, et al. **Arch Pharm (Weinheim)** 1982 Jun;315(6):515–9 (Eng. Abstr.) **(Ger)**

[Carbohydrate and fat metabolic state in female rats subjected to transplacental diethylstilbestrol exposure] Anisimov VN, et al. **Akush Ginekol (Mosk)** 1981 May;(5):52–4 **(Rus)**

[Chromosome aberrations and sister chromatid exchanges in a human lymphocyte culture exposed to diethylstilbestrol dipropionate] Dzhangulashvili NA. **Tsitol Genet** 1982 Mar-Apr;16(2):24–9 (Eng. Abstr.) **(Rus)**

ANALYSIS

[Enzyme immunoassay (EIA) for the estrogenic stilbene derivative diethylstilbestrol (DES) (author's transl)] Arnstadt KI. **Z Lebensm Unters Forsch** 1981;173(4):255–60 (Eng. Abstr.) **(Ger)**

ANTAGONISTS & INHIBITORS

Hormonal induction of kidney tumours in male hamsters. Inhibition of growth by a phenothiazine derivative (perphenazine). Saluja PG, et al. **Eur J Cancer Clin Oncol** 1981 Jul;17(7):767–73

BLOOD

Measurement of diethylstilbestrol in plasma from patients with cancer of the prostate. Kemp HA, et al. **Cancer Res** 1981 Nov;41(11 Pt 1):4693–7

ISOLATION & PURIFICATION

The necessity of chromatographic purification prior to radioimmunoassay of diethylstilbestrol in the urine of cattle.

Benraad TJ, et al. **Tijdschr Diergeneeskd** 1981 Oct; 106(20):suppl 3:153–7

METABOLISM

Biochemical and estrogenic activity of some diethylstilbestrol metabolites and analogs in the mouse uterus. Korach KS. **Adv Exp Med Biol** 1981;138:39–62

Uptake and retention of sex steroids by the neonatal rat adrenal gland. Simmons JE, et al. **Biol Neonate** 1982; 41(3–4):148–54

Oxidative metabolism of diethylstilbestrol by prostaglandin synthetase. Degen GH, et al. **Cancer Res** 1982 Mar; 42(3):919–23

Mouse alpha 1–fetoprotein and albumin. A comparison of their binding properties with estrogen and fatty acid ligands. Savu L, et al. **J Biol Chem** 1981 Sep 25; 256(18):9414–8

Diethylstilbestrol: placental transfer, metabolism, covalent binding and fetal distribution in the Wistar rat. Miller RK, et al. **J Pharmacol Exp Ther** 1982 Feb;220(2):358–65

Comparison of the transplacental pharmacokinetics of 17 beta–estradiol and diethylstilbestrol in the subhuman primate. Slikker W Jr, et al. **J Pharmacol Exp Ther** 1982 Apr;221(1):173–82

Determination of hepatic uridine 5'–diphosphoglucuronic acid concentration by conjugation with diethylstilbestrol. Watkins JB, et al. **J Pharmacol Methods** 1982 Mar; 7(2):145–51

Localization of 3H–diethylstilbestrol in skeletal muscle. Gruber B, et al. **Res Commun Chem Pathol Pharmacol** 1981 Nov;34(2):311–31

Isomerization of trans–diethylstilbestrol to pseudo–diethylstilbestrol. Airy SC, et al. **Steroids** 1981 Nov;38(5):593–603

PHARMACODYNAMICS

Effects of diethyl–stilboestrol on contractile response and action potential of rabbit papillary muscle. Khan AR, et al. **Acta Physiol Scand** 1981 Feb;111(2):201–4

Effect of diethylstilboestrol on phosphatidylcholine biosynthesis and choline metabolism in the liver of roosters. Vigo C, et al. **Biochem J** 1981 Nov 15;200(2):321–6

Influence of magnesium in the homogenization medium on the state of a divalent cation–stimulated, diethylstilbestrol–sensitive adenylnucleotidyl phosphatase activity from pea stem microsomal preparations. Beffagna N, et al. **Biochim Biophys Acta** 1981 Jul 20;645(2):300–10

Diethylstilbestrol treatment increases the amount of choline kinase in rooster liver. Paddon HB, et al. **Biochim Biophys Acta** 1982 Jan 15;710(1):112–5

Diethylstilbestrol treatment modulates the enzymatic activities of phosphatidylcholine biosynthesis in rooster liver. Vigo C, et al. **Biochim Biophys Acta** 1981 Sep 24; 665(3):546–50

Increased induction of sister chromatid exchange by diethylstilbestrol in lymphocytes from pregnant and premenopausal women. Hill A, et al. **Cancer Res** 1982 Mar; 42(3):893–6

Natural killer cell activity and tumor susceptibility in female mice treated neonatally with diethylstilbestrol. Kalland T, et al. **Cancer Res** 1981 Dec;41(12 Pt 1):5134–40

Morphologic and neoplastic transformation of Syrian hamster embryo fibroblasts by diethylstilbestrol and its analogs. McLachlan JA, et al. **Cancer Res** 1982 Aug;42(8):3040–5

Morphological effects of diethylstilbestrol on neonatal mouse uterus and vagina. Plapinger L. **Cancer Res** 1981 Nov;41(11 Pt 1):4667–77

The binding of 7,12–dimethylbenz[a]anthracene to mammary gland macromolecules in the hamster:effects of Enovid feeding or transplacental exposure to diethylstilboestrol. Hertzog PJ, et al. **Chem Biol Interact** 1981 Oct; 37(1–2):199–205

A comparison of estrogen effects on uterine and pituitary growth and prolactin synthesis in F344 and Holtzman rats. Wiklund J, et al. **Endocrinology** 1981 Nov;109(5):1700–7

Direct enhancement of gonadotropin–stimulated ovarian estrogen biosynthesis by estrogen and clomiphene citrate. Zhuang LZ, et al. **Endocrinology** 1982 Jun;110(6):2219–21

Uptake in vivo of 45Ca in male accessory sex organs of the rat: effect of estramustine phosphate and diethylstilbestrol diphosphate. Batra S, et al. **Eur J Pharmacol** 1981 Nov 19;76(1):87–91

Increased cerebellar thymidine kinase and DNA during early postnatal development of diethylstilbestrol–treated rats. Litteria M. **Exp Neurol** 1982 Feb;75(2):289–98

Normal development of the human female reproductive tract and alterations resulting from experimental exposure to diethylstilbestrol. Robboy SJ, et al. **Hum Pathol** 1982 Mar; 13(3):190–8

Effects of DES on the morphology of the lobes of the baboon prostate. Chai LS, et al. **Invest Urol** 1981 Nov;19(3):202–8

Effect of diethylstilbestrol on tissue gain and carcass merit of feedlot beef steers. Rumsey TS, et al. **J Anim Sci** 1981 Sep;53(3):589–600

Estrogen–induced changes in chick oviduct membrane glycoproteins. DeRosa PA, et al. **J Biol Chem** 1982 Jan 25;257(2):1017–24

Increased transfer of oligosaccharide from oligosaccharide pyrophosphoryl dolichol to protein acceptors upon estrogen–induced chick oviduct differentiation. Singh BN, et al. **J Biol Chem** 1981 Dec 10;256(23):12018–22

Ultracytochemical localization of estrogen–stimulated guanylate cyclase in rat uterus. Kang YH, et al. **J Histochem Cytochem** 1982 Apr;30(4):331–42

Quantitative changes in estrogen receptor produced by chronic DES treatment of two mouse strains differing in susceptibility to Leydig cell tumor induction. Terakawa N, et al. **J Steroid Biochem** 1982 May;16(5):643–52

The dissociation rate of estrogen receptor–ligand complexes is increased by high concentrations of steroids and antiestrogens. Borgna JL, et al. **Mol Cell Endocrinol** 1982 Jun;27(1):1–15

Abnormal cell division in cultured human fibroblasts after exposure to diethylstilboestrol. Danford N, et al. **Mutat Res** 1982 Mar;103(3–6):379–83

Genetic activity of diethylstilbestrol in Saccharomyces cerevisiae: enhancement of mutagenicity by oxidizing agents. Mehta RD, et al. **Mutat Res** 1982 Feb 22; 92(1–2):49–61

A comparison of diethylstilbestrol– and estradiol–17 beta–induced vitellogenesis in quail. Gibbins AM, et al. **Poult Sci** 1982 Jun;61(6):1188–93

Effect of diethylstilbestrol and estramustine phosphate (Estracyt) on delayed hypersensitivity response to oxazolone in male mice. Haukaas SA, et al. **Prostate** 1982; 3(2):149–57

Effect of estrogen on the mixed lymphocyte reaction in normal individuals and prostatic cancer patients. Herr HW. **Prostate** 1982;3(1):17–21

[Feminization of embryonic chicken testicle by diethylstilbestrol and antagonistic action of tamoxifen] Samsel J, et al. **Biochimie** 1982 May;64(5):369–76 (Eng. Abstr.) **(Fre)**

[Effect of diethyl–stilbestrol on fertility] Biale Y. **Harefuah** 1981 Mar 1;100(5):238–40 **(Heb)**

[Effect of the new antidepressant cephedrine on compensatory hypertrophy of the ovaries and the inhibiting effect of estrogen] Mekhova GM, et al. **Farmakol Toksikol** 1982 Jan–Feb;45(1):52–4 (Eng. Abstr.) **(Rus)**

THERAPEUTIC USE

Estrogen receptor activity in Hodgkin's disease [letter] Narasimhan P. **Ann Intern Med** 1981 Nov;95(5):653

Symposium on the management of early breast cancer (stages I and II). Part II: Clinical experience with treatment methods. 5. Adjuvant endocrine therapy. Palshof T. **Can J Surg** 1981 Jul;24(4):379–84 (48 ref.)

Effect of high dose diethylstilbestrol and ICRF–159 on the growth and metastases of the R3327 MAT–LyLu prostate–derived tumor. Heston WD, et al. **Cancer Lett** 1981 Jul;13(2):139–45

Inhibition of the R3327MAT–Lu prostatic tumor by diethylstilbestrol and 1,2–bis(3,5–dioxopiperazin–1–yl)propane. Lazan DW, et al. **Cancer Res** 1982 Apr;42(4):1390–4

Therapeutic effect of tamoxifen versus combined tamoxifen and diethylstilboestrol in advanced breast cancer in postmenopausal women. Mouridsen HT, et al. **Eur J Cancer** 1980;Suppl 1:107–10

Adjuvant endocrine therapy of primary operable breast cancer. Report on the Copenhagen breast cancer trials. Palshof T, et al. **Eur J Cancer** 1980;Suppl 1:183–7

The tamoxifen trial – a double–blind comparison with stilboestrol in postmenopausal women with advanced breast cancer. Stewart HJ, et al. **Eur J Cancer** 1980;Suppl 1:83–8

The influence of hormonal therapy on survival of men with advanced prostatic cancer. Lepor H, et al. **J Urol** 1982 Aug;128(2):335–40

Predicting response of prostatic carcinoma to endocrine therapy [letter] Castellanos JM, et al. **Lancet** 1982 Feb 20; 1(8269):448

Role of surface negative charge in platelet function related to the hyperreactive state in estrogen–treated prostatic carcinoma. Jung SM, et al. **Thromb Haemost** 1982 Jun 28; 47(3):203–9

Serum lipid changes after estrogen therapy in prostatic carcinoma. Bulusu NV, et al. **Urology** 1982 Aug; 20(2):147–50

[Long–term study of plasma testosterone levels in hormone therapy of prostatic cancer] Hájek J, et al. **Vnitr Lek** 1981 Sep;27(9):852–60 (Eng. Abstr.) **(Cze)**

TOXICITY

Etiology of DES–induced uterine tumors in the Syrian hamster. Leavitt WW, et al. **Adv Exp Med Biol** 1981; 138:63–86

Visualization by light and scanning electron microscopy of reproductive tract lesions in female mice treated transplacentally with diethylstilbestrol. Lamb JC 4th, et al. **Cancer Res** 1981 Oct;41(10):4057–62

Vaginal adenosis and adenocarcinoma in mice exposed prenatally or neonatally to diethylstilbestrol. Newbold RR, et al. **Cancer Res** 1982 May;42(5):2003–11

Studies on the mechanism of carcinogenicity of diethylstilboestrol: role of metabolic activation. Metzler M. **Food Cosmet Toxicol** 1981 Oct;19(5):611–5 (34 ref.)

Diethylstilbestrol reversal of gonadotropin patterns in infant rhesus monkeys. Fuller GB, et al. **J Steroid Biochem** 1981 Dec;15:497–500

Changes in estrogen receptor levels during DES–induced hepatocarcinogenesis in the Syrian hamster fed alpha–naphthoflavone. Li SA, et al. **J Steroid Biochem** 1981 Dec;15:387–92

Influence of prenatal exposure to diethylstilbestrol on estrogen and progestin binding proteins in uteri and dimethylbenzanthracene– induced mammary tumors of the rat. Heidemann PH, et al. **J Toxicol Environ Health** 1981 Oct;8(4):667–86

Indicators of developmental toxicity following prenatal administration of hormonally active compounds in the rat. I. Gestational length. Rands PL, et al. **Teratology** 1982 Feb; 25(1):37–43

Indicators of developmental toxicity following prenatal administration of hormonally active compounds in the rat. II. Pattern of maternal weight gain. Rands PL, et al. **Teratology** 1982 Feb;25(1):45–51

URINE

Rapid, specific method for diethylstilbestrol analysis using an in–line photochemical reactor with high–performance liquid chromatography and fluorescence detection. Williams AT, et al. **J Chromatogr** 1982 Jan 29;235(2):461–70

DIFENADION see **DIPHENADIONE**

DIFFERENTIAL THERMAL ANALYSIS see under **CHEMISTRY, ANALYTICAL**

DIFFUSION

Influence of sodium on major diffusion barriers to passive intestinal uptake. Thomson AB. **Am J Physiol** 1982 Aug; 243(2):G148–54

Role of diffusion in the external gas exchange of animals. Piiper J, et al. **Fed Proc** 1982 Apr;41(6):2117–8

Effects of solvent and solute drag on transmembrane diffusion. Van Bruggen JT, et al. **J Gen Physiol** 1982 Mar; 79(3):507–28

The diffusion coefficient of oxygen in respiring kidney and tumour tissue. Evans NT, et al. **Respir Physiol** 1981 Mar; 43(3):179–88

DIFFUSION OF INNOVATION see under **COMMUNICATION**

DIFLUCORTOLONE see under **FLUOCORTOLONE**

DIFLUNISAL see under **SALICYLIC ACIDS**

DIFORMYL DAPSONE see under **DAPSONE**

DIFTALONE see under **PYRIDAZINES**

DIGEORGE SYNDROME see under **IMMUNOLOGIC DEFICIENCY SYNDROMES**

DIGESTION

Effect of folate deficiency on the digestive and absorptive functions of intestinal epithelium in rats. Ansari S, et al. **Acta Vitaminol Enzymol** 1981;3(1):12–6

Protein digestibility and protein quality of common beans (Phaseolus vulgaris) fed alone and with maize, in adult humans using a short–term nitrogen balance assay. Navarrete DA, et al. **Am J Clin Nutr** 1981 Sep;34(9):1893–8

Gastrointestinal tract O2 uptake and regional blood flows during digestion in conscious newborn lambs. Eldelstone DI, et al. **Am J Physiol** 1981 Oct;241(4):G289–93

Postnatal development: coordination of feeding, digestion, and metabolism. Henning SJ. **Am J Physiol** 1981 Sep; 241(3):G199–214 (257 ref.)

Effects of clinical and subclinical gastrointestinal helminthiasis on digestion and energy metabolism in calves. Randall RW, et al. **Am J Vet Res** 1981 Oct;42(10):1730–4

The effect of grinding and pelleting on the digestion of Italian ryegrass and timothy by sheep. Beever DE, et al. **Br J Nutr** 1981 Sep;46(2):357–70

Influence of diet and microbial activity in the digestive tract on digestibility, and nitrogen and energy metabolism in rats and pigs. Eggum BO, et al. **Br J Nutr** 1982 Jul;48(1):161–75

The effect of protein supplementation on digestion and glucose metabolism in young cattle fed on silage. Gill M, et al. **Br J Nutr** 1982 Jul;48(1):37–47

Changes in the composition of digesta during passage through the small intestines of steers. McAllan AB. **Br J Nutr** 1981 Nov;46(3):431–40

Comparative digestion of timothy (Phleum pratense) fibre by ruminants, equines and rabbits. Udén P, et al. **Br J Nutr** 1982 Mar;47(2):267–72

Digestion and absorption of a sulphoxide analogue of triacylglycerol in the rat. Akesson B, et al. **Chem Phys Lipids** 1981 Dec;29(4):341–9

Compensations for temperature in the activities of digestive enzymes of Periplaneta americana (L.). Das AK, et al. **Comp Biochem Physiol [A]** 1982;71(2):255–63

The use of inert markers in the measurement of the digestibility of cubed concentrates and of hay given in several proportions to the pony, horse and white rhinoceros (Diceros simus). Frape DL, et al. **Comp Biochem Physiol [A]** 1982;72(1):77–83

Relationship between rate of digestion of foods and post–prandial glycaemia. Jenkins DJ, et al. **Diabetologia**

1982 Jun;22(6):450–5

Inhibition of canine duodenal interdigestive myoelectric complex by nutrient perfusion of jejunal and ileal Thirty–Vella loops. Schang JC, et al. **Gut** 1981 Sep; 22(9):738–43

Effect of various types of jaundice on the digestive and absorptive functions of rat intestine. Dudeja PK, et al. **Indian J Med Res** 1981 Jul;74:97–101

Effect of heat treatment on true digestibility in the rat, in vitro proteolysis and available lysine content of cottonseed meal protein. Craig WM, et al. **J Anim Sci** 1981 Feb; 52(2):292–301

Factors affecting digestibility of nutrients by sheep. Fonnesbeck PV, et al. **J Anim Sci** 1981 Feb;52(2):363–76

Acceptability and digestibility by adult cats of diets made with various sources and levels of fat. Kane E, et al. **J Anim Sci** 1981 Dec;53(6):1516–23

Intake, digestibility, ruminal characteristics and rate of passage of orchardgrass diets fed to sheep. Robles AY, et al. **J Anim Sci** 1981 Aug;53(2):489–93

Digestion of fat in calves fed milk replacers prepared by homogenization of low–pressure dispersion. Jenkins KJ, et al. **J Dairy Sci** 1981 Oct;64(10):1965–71

Digestibility and effects of whole cottonseed fed to lactating cows. Smith NE, et al. **J Dairy Sci** 1981 Nov; 64(11):2209–15

Survival of oral human immune serum globulin in the gastrointestinal tract of low birth weight infants. Blum PM, et al. **Pediatr Res** 1981 Sep;15(9):1256–60

Fat digestion in very low–birth–weight infants: effect of addition of human milk to low–birth–weight formula. Alemi B, et al. **Pediatrics** 1981 Oct;68(4):484–9

Estimation of nitrogen digestibility in poultry: content and distribution of major urinary nitrogen compounds in excreta. Krogdahl A, et al. **Poult Sci** 1981 Nov; 60(11):2480–5

The effect of altering the cation–anion content with calcium and phosphorus on the digestion of dry matter and amino acids and on energy utilization. Nelson TS, et al. **Poult Sci** 1981 Apr;60(4):786–9

The role of enzymes in the digestive tract. Dahlqvist A. **Prog Clin Biol Res** 1981;77:883–91

The fate of dietary nitrogen within the digestive tract of the pig. Zebrowska T. **Prog Clin Biol Res** 1981;77:909–24

Apparent digestibility of nutrients in diets varying in fat and P/S ratio. Olubajo OO, et al. **Prog Lipid Res** 1981;20:205–8

Effects of short term cold exposure on the digestion of milk replacer by young preruminant calves. Williams PE, et al. **Res Vet Sci** 1982 May;32(3):383–6

Efficiency of conventional versus marker technique for shortening the time in digestion trials. Khafagi EA, et al. **Z Ernahrungswiss [Suppl]** 1981 Sep;20(3):182–7

[Effect of different types of diet on various biochemical aspects of digestive processes in sheep] Gabrovska L, et al. **Vet Med Nauki** 1982;19(2):57–62 (Eng. Abstr.) **(Bul)**

[Effect of different types of rations on the coefficients of digestibility in ewe lambs] Gabrovska L, et al. **Vet Med Nauki** 1981;18(9):65–70 (Eng. Abstr.) **(Bul)**

[Effect of various types of ration on the digestive processes of ewe lambs] Gabrovski L, et al. **Vet Med Nauki** 1981; 18(8):73–80 (Eng. Abstr.) **(Bul)**

[Nutritional physiology studies in pigs on the evaluation of modified proteins. 1. Results of the estimation of N–turnover, apparent and true digestibility of proteins in addition to apparent and true absorption of amino acids in the entire digestive tract] Liebert F, et al. **Arch Tierernahr** 1981 Jul;31(7–8):461–70 (Eng. Abstr.) **(Ger)**

[Methodological guidelines for digestion experiments for feed evaluation] Schiemann R. **Arch Tierernahr** 1981 Jan; 31(1):1–19 (Eng. Abstr.) **(Ger)**

[Studies on the effect of phosphoric phenyl ester diamide as inhibitor of rumen urease in diary cows. 3. Digestibility of the nutrients and bacterial protein synthesis] Voigt J, et al. **Arch Tierernahr** 1980 Dec;30(10–12):835–40 (Eng. Abstr.) **(Ger)**

[Isobutylidene diurea as an NPN source for ruminants. 1. Rumen fermentation, digestibility of the nutrients and microbial protein synthesis in dairy cows] Voigt J, et al. **Arch Tierernahr** 1981 Jan;31(1):45–56 (Eng. Abstr.) **(Ger)**

[Chronic gastritis--disease or morphological finding? Physiopathological aspects of digestion] Ewers HR. **Dtsch Med Wochenschr** 1981 Oct 16;106(42):1386–91 (89 ref.) **(Ger)**

[Effect of various mixed feed amounts per meal on prececal and postileal digestive processes in the horse] Meyer H, et al. **Fortschr Tierphysiol Tierernahr** 1982;13:32–9 (Eng. Abstr.) **(Ger)**

[Prececal and postileal digestibility of elements (Ca, P, Mg) and trace elements (Cu, Zn, Mn) in the horse] Meyer H, et al. **Fortschr Tierphysiol Tierernahr** 1982;13:61–9 (Eng. Abstr.) **(Ger)**

[Heterophase digestion in the mucus layer on the surface of the small intestine mucous membrane] Gal'perin IuM, et al. **Dokl Akad Nauk SSSR** 1982;264(2):504–6 **(Rus)**

[Age-related characteristics of the digestive-transport function of the human small intestine (characteristics based on carbohydrate loads)] Valenkevich LN, et al. **Dokl Akad Nauk SSSR** 1981;260(6):1493–7 **(Rus)**

[Adrenergic and cholinergic activity of the intestinal mucosa] Chernysheva SV, et al. **Fiziol Zh** 1982 Mar–Apr; 28(2):246–9 **(Rus)**

[Changes in the proportional secretion of pancreatic enzymes and bicarbonate during digestion in dogs with atrophy of the pancreas] Troitskaia VB, et al. **Fiziol Zh SSSR** 1982 Apr;68(4):539–49 **(Rus)**

[Enzymatic properties of the brush border of enterocytes of different animals, and its role in the membrane digestion of proteins, fats and carbohydrates] Tsvetkova VA, et al. **Fiziol Zh SSSR** 1982 Apr;68(4):433–45 **(Rus)**

[Cellular mechanisms of trophic processes in gastric mucosa] Uspenskii VM. **Fiziol Zh SSSR** 1982 Apr;68(4):528–32 (22 ref.) **(Rus)**

['Digestive inflammation' and its regulatory mechanisms] Uspenskii VM. **Fiziol Zh SSSR** 1982 May;68(5):688–91 **(Rus)**

[3–component enzyme system of the enterocyte related to its digestive and protective functions] Gusev VM, et al. **Izv Akad Nauk SSSR [Biol]** 1981 Sep–Oct;(5):721–30 (Eng. Abstr.) **(Rus)**

[Effect of a paste–like diet on the formation of the enteric environment during natural digestion] Briuzgina MI, et al. **Kosm Biol Aviakosm Med** 1981;15(3):85–7 **(Rus)**

[State of membrane digestion in sexually immature rats during experimental stress] Dats MS, et al. **Patol Fiziol Eksp Ter** 1981 Sep–Oct;(5):58–61 (Eng. Abstr.) **(Rus)**

[Digestion and absorption of protein in the small intestine of children with chronic intestinal diseases] Palkov VL. **Pediatriia** 1982 May;(5):12–4 **(Rus)**

[State of the digestive and absorptive functions in typhoid] Zakharova LV. **Sov Med** 1981;(8):43–7 (Eng. Abstr.) **(Rus)**

[Effect of methods of heat treatment on enzymatic hydrolysis of meat proteins] Vazagov VM, et al. **Vopr Pitan** 1982 May–Jun;(3):52–3 **(Rus)**

[Functional status of the small intestine in patients with cerebral circulatory disorders (clinico–radiologic study)] Murzaliev AM, et al. **Zh Nevropatol Psikhiatr** 1981; 81(9):1313–6 (Eng. Abstr.) **(Rus)**

DRUG EFFECTS

Effect of fiber in sorghum on nitrogen digestibility. Cornu A, et al. **Am J Clin Nutr** 1981 Nov;34(11):2454–9

Effect of fiber from fruits and vegetables on metabolic responses of human subjects: fiber intakes, fecal excretions, and apparent digestibilities. Kelsay JL, et al. **Am J Clin Nutr** 1981 Sep;34(9):1849–52

Effects of primary, secondary and tertiary amines on in vitro cellulose digestion and volatile fatty acid production by ruminal microorganisms. Baldwin KA, et al. **J Anim Sci** 1981 Jul;53(1):226–30

Effects of xanthene dyes in cattle diets for insect control: diet digestibility and fecal excretion. Fairbrother TE, et al. **J Anim Sci** 1982 Mar;54(3):632–9

Effects of monensin on site and extent of whole corn digestion and bacterial protein synthesis in beef steers. Muntifering RB, et al. **J Anim Sci** 1981 Dec;53(6):1565–73

Ammonia treatment of corn plant residues: digestibilities and growth rates. Paterson JA, et al. **J Anim Sci** 1981 Dec; 53(6):1592–600

Influence of captan on in vitro and in vivo digestibility of forage. Theuninck DH, et al. **J Anim Sci** 1981 Feb; 52(2):377–81

Effects of fiber on digestibility and transit time in dogs. Burrows CF, et al. **J Nutr** 1982 Sep;112(9):1726–32

Effects of locust bean gum on glucose tolerance, sugar digestion, and gastric motility in rats. Tsai AC, et al. **J Nutr** 1981 Dec;111(12):2152–6

Digestion of dry matter and amino acids and energy utilization by chicks fed molded corn containing mycotoxins. Nelson TS, et al. **Poult Sci** 1982 Mar; 61(3):584–5

[Effects of the presence of hydrolyzed amides in the diets of weaned piglets on the digestive utilization of various nutrients] Fiumana D, et al. **Boll Soc Ital Biol Sper** 1981 Aug 30;57(16):1731–7 (Eng. Abstr.) **(Ita)**

DIGESTIVE SYSTEM

Young children and toothpaste [letter] Dixon DA. **Br Dent J** 1981 Oct 6;151(7):213

Surgical removal of a foreign body in a bastard turtle. Isenbugel E, et al. **VM SAC** 1981 Dec;76(12):1766–8

[Migration of a sewing needle from the digestive tract into the liver] Shapochnik MB, et al. **Klin Khir** 1982 Apr;(4):70 **(Rus)**

ABNORMALITIES

[Duplication of the alimentary tract (author's transl)] Dong QG. **Chung Hua Wai Ko Tsa Chih** 1981 Dec;19(12):766–7 (Eng. Abstr.) **(Chi)**

[Endoscopy of the digestive tract in newborns] Manegold BC, et al. **Fortschr Med** 1982 Feb 25;100(8):328–31 **(Ger)**

ANALYSIS

Characterization and distribution of neutral and acidic mucins in the alimentary canal of an Indian freshwater major carp, Catla catla (Hamilton) by histochemical methods. Sinha GM, et al. **Gegenbaurs Morphol Jahrb** 1982;128(2):188–200

[Oxygen tension in various abdominal viscera of white rats exposed to normo– and hyperbaric oxygen] Sokolianskii IF. **Fiziol Zh** 1981 Nov–Dec;27(6):758–61 (Eng. Abstr.) **(Rus)**

ANATOMY & HISTOLOGY

The morphology and anatomy of the alimentary canal of a cobitid fish, Lepidocephalichthys guntea (Ham). Sinha RK, et al. **Folia Morphol (Praha)** 1981;29(3):269–71

CYTOLOGY

Cytochemical investigations on endocrine–like cells of the digestive tract of the ascidian Styela plicata. Pestarino M. **Basic Appl Histochem** 1982;26(2):107–16

DRUG EFFECTS

Physiological, pharmacological and pathological actions of glucocorticoids on the digestive system. Scott J. **Clin Gastroenterol** 1981 Sep;10(3):627–52 (144 ref.)

Effect of mercuric chloride on enzyme activities in the digestive system and chemical composition of liver and muscles of the catfish, Heteropneustes fossilis. Gupta PK, et al. **Ecotoxicol Environ Safety** 1981 Dec;5(4):389–400

Histopathological and enzymological alterations in the digestive system of a freshwater teleost fish, Heteropneustes fossilis, exposed acutely and chronically to diazinon. Sastry KV, et al. **Ecotoxicol Environ Safety** 1982 Jun;6(3):223–35

Acute and chronic effects of diazinon on the activities of three dehydrogenases in the digestive system of a freshwater teleost fish Channa punctatus. Sastry KV, et al. **Toxicol Lett** 1982 Jan;10(1):55–9

[The effects of thyrotropin releasing hormone (TRH) on the digestive activity (author's transl)] Qian XJ. **Sheng Li Ko Hsueh Chin Chan** 1981 Feb;12(2):171–4 **(Chi)**

ENZYMOLOGY

Inhibitory effects of stomachic crude drugs on digestive enzymes. Yamazaki K, et al. **Chem Pharm Bull (Tokyo)** 1981 Oct;29(10):2966–73

[Aspartate and alanine aminotransferase activity in the alimentary tract of carps (Cyprinus carpio L.) infected with tapeworms Bothriocephalus gowkongensis Yeh, 1955 or Khawia sinensis Hsü, 1935] Łozińska–Gabska M. **Wiad Parazytol** 1981;27(6):717–43 (Eng. Abstr.) **(Pol)**

[Review: Ways of maintaining relatively steady concentrations of digestive gland enzymes in the blood] Korot'ko GF. **Fiziol Zh SSSR** 1981 Sep;67(9):1293–1303 (97 ref.) **(Rus)**

INJURIES

Upper gastrointestinal trauma. Analysis of 45 cases of gastric, duodenal or pancreatic injury. Bergqvist D, et al. **Acta Chir Scand** 1981;147(8):637–43

INNERVATION

[Effect of catecholamines on the morphological picture of the peripheral autonomic nervous system of the digestive tract of rats—light–microscopical study] Jędrzejewska A, et al. **Patol Pol** 1981;32(2):233–42 (Eng. Abstr.) **(Pol)**

[Neuropathological changes in the peripheral segments of the autonomic nervous system of the digestive tract of children with neuroblastoma] Jędrzejewska A, et al. **Pediatr Pol** 1981 Aug;56(8):875–81 (Eng. Abstr.) **(Pol)**

METABOLISM

Functions of digestive diverticula in marine invertebrates. I. Ascidians fed with labelled glucose; its absorption and storage in the pyloric gland. Gaill F. **Cell Tissue Res** 1981; 219(1):185–95

Stability of heparin and other fractions of glycosaminoglycan sulfates in human digestive juices. Brufani M, et al. **J Pharm Sci** 1982 Jan;71(1):128–9

Stability of heparin and other fractions of glycosaminoglycan sulfates in human digestive juices. Oie S, et al. **J Pharm Sci** 1982 Jan;71(1):127–8

Inhibition of monoamine oxidase in chickens and ducklings by a microbial metabolite of furazolidone. Ali BH, et al. **Q J Exp Physiol** 1982 Jan;67(1):69–79

MICROBIOLOGY

Selective suppression of alimentary tract microbial flora as prophylaxis during granulocytopenia. Hargadon MT, et al. **Antimicrob Agents Chemother** 1981 Nov;20(5):620–4

Effect of twelve antimicrobial drugs on the colonization resistance of the digestive tract of mice and on endogenous potentially pathogenic bacteria. Wiegersma N, et al. **J Hyg (Lond)** 1982 Apr;88(2):221–30

[Implantation of a strain of 'Escherichia coli' in the digestive tract of human new–borns: barrier effect against antibioresistant 'E. coli' (author's transl)] Duval–Iflah Y, et al. **Ann Microbiol (Paris)** 1982 May–Jun;133(3):393–408 (Eng. Abstr.) **(Fre)**

[Mycobacteria in the digestive tract of pink Flamingos (Phoenicopterus ruber roseus, Pallas)] Rollin PE, et al. **Bull Soc Pathol Exot Filiales** 1981 Jul–Aug;74(4):391–3 (Eng. Abstr.) **(Fre)**

PHYSIOLOGY

[Total parenteral nutrition and gastrointestinal tract (author's transl)] Carpentier YA. **Rev Med Brux** 1981 Apr; 2(4):367–71 (Eng. Abstr.) **(Fre)**

[Characteristics of the hormonal functions of the digestive system based on a combination of perfusion of the isolated alimentary complex and radioimmunological determination of the hormones] Bulgakov SA, et al. **Dokl Akad Nauk SSSR** 1981;259(6):1506–8 **(Rus)**

[Temperature and electrical responses of brain structures related to the feeding center during intense, protracted digestive system activity] Mironchik KV, et al. **Fiziol Zh** 1981 Nov–Dec;27(6):786–92 (Eng. Abstr.) **(Rus)**

[Functional relations between digestive and excretory systems] Bakuradze AN. **Fiziol Zh SSSR** 1982 Apr; 68(4):446–54 (41 ref.) **(Rus)**

['Behavior' of digestive system organs] Klimov PK. **Fiziol Zh SSSR** 1982 Feb;68(2):178–86 (57 ref.) **(Rus)**

[New stage in the study of the central effects on digestive system functions] Klimov PK. **Fiziol Zh SSSR** 1982 May; 68(5):621–6 (37 ref.) (Eng. Abstr.) **(Rus)**

[Digestive system status after prolonged space flights] Smirnov KV, et al. **Kosm Biol Aviakosm Med** 1982 Mar–Apr;16(2):19–22 (Eng. Abstr.) **(Rus)**

[Parenteral feeding and the digestive system] Shlygin GK. **Usp Fiziol Nauk** 1981 Jul–Sep;12(3):45–61 (54 ref.) **(Rus)**

PHYSIOPATHOLOGY

[Importance of gastrin, cyclic nucleotides and calcium in regulating digestive tract functions in salmonellosis] Bunin KV, et al. **Klin Med (Mosk)** 1981 Oct;59(10):27–32 (Eng. Abstr.) **(Rus)**

RADIOGRAPHY

[Make it yourself: a compression balloon-holder] Brière L, et al. **J Radiol** 1982 Jan;63(1):61–2 **(Fre)**

SECRETION

Influence of vitamin E on the effect of vitamin A derivatives on digestive glands of rats. Koh CJ, et al. **J Dermatol (Tokyo)** 1981 Dec;8(6):455–8

SURGERY

Modified gastrointestinal reconstruction after pancreaticoduodenal resection with particular reference to the prevention of postoperative biliary and pancreatic fistulas. Semb BK, et al. **Acta Chir Scand** 1981; 147(8):685–91

Cost of nosocomial infections: analysis of 512 digestive surgery patients. Fabry J, et al. **World J Surg** 1982 May; 6(3):362–5

[Discriminant factors of risk of infection in routine digestive surgery. Trial apropos of 308 cases] Dellamonica P, et al. **Ann Anesthesiol Fr** 1981;22(3):292–302 (Eng. Abstr.) **(Fre)**

[The place of stapler device in digestive surgery (author's transl)] Lagache G, et al. **Chirurgie** 1981;107(6):408–15 (Eng. Abstr.) **(Fre)**

[Postoperative peritonitis after digestive surgery (letter)] Champault G. **J Chir (Paris)** 1981 Jul–Aug;118(6–7):443 **(Fre)**

[Contribution of artificial feeding to the prevention of fistulae, anastomotic breakdowns, and eviscerations. Applications to diffuse postoperative peritonitis in eight cases (author's transl)] Joyeux H, et al. **J Chir (Paris)** 1982 Apr; 119(4):241–53 (Eng. Abstr.) **(Fre)**

[Early jejunal catheter feeding in heavy gastrointestinal surgery (author's transl)] Olivero de Rubiana JP, et al. **Nouv Presse Med** 1982 Feb 6;11(6):447–9 (Eng. Abstr.) **(Fre)**

[Importance of elastic compression of the lower limbs in the prevention of venous thrombosis in digestive surgery] Marescaux J, et al. **Phlebologie** 1981 Oct–Dec;34(4):617–23 (Eng. Abstr.) **(Fre)**

[Laser in clinical surgery (author's transl)] Skobelkin OK, et al. **Zentralbl Chir** 1982;107(4):209–13 (Eng. Abstr.) **(Ger)**

[Prevention of sepsis/septic shock in surgery of the digestive system] Higuero Moreno F, et al. **Rev Esp Enferm Apar Dig** 1981 May;59(5):553–68 (Eng. Abstr.) **(Spa)**

[Changes in pancreatic enzyme levels related to elective digestive surgery (author's transl)] Braghetto I, et al. **Rev Med Chil** 1981 Mar;109(3):221–5 (Eng. Abstr.) **(Spa)**

DIGESTIVE SYSTEM DISEASES

Domestic support for research in digestive diseases [letter] Henley KS. **Gastroenterology** 1982 Sep;83(3):723

Update on digestive diseases. **Primary Care** 1981 Jun; 8(2):179–351

[Combined annual meeting of the German Society for Digestive and Metabolic Diseases, Austrian Society for Gastroenterology, Swiss Society for Gastroenterology and the German Society for Gastroenterological Endoscopy. Abstracts] **Z Gastroenterol** 1981 Sep;19(9):477–635 **(Ger)**

[15th Argentine Congress of Gastroenterology, 11–16 October 1981, Buenos Aires. Abstracts of presentations] **Acta Gastroenterol Latinonm** 1981;11(3):413–79 **(Spa)**

BLOOD

[Fasting blood gastrin measured with a commercial pack for radioimmunological determination in various cases of digestive pathology] Brassinne A, et al. **Rev Med Liege** 1981 Sep 1;36(17):622–32 **(Fre)**

CHEMICALLY INDUCED

[Digestive complications due to the treatment of arterial hypertension (author's transl)] Degaute JP, et al. **Acta Gastroenterol Belg** 1981 Sep–Oct;44(9–10):411–6 (Eng. Abstr.) **(Fre)**

CONGENITAL

[Endoscopy of the digestive tract in newborns] Manegold BC, et al. **Fortschr Med** 1982 Feb 25;100(8):328–31 **(Ger)**

DIAGNOSIS

Diagnostic ultrasound in diseases of the biliary tree, liver and pancreas. Blecher CM. **Aust Fam Physician** 1981 Jun; 10(6):496–500

Indigestion and flatulence. Hecker R. **Aust Fam Physician** 1981 Jun;10(6):447–51

New methods of endoscopic diagnosis of digestive tract diseases in the Soviet Union. Strekalovsky VP. **Endoscopy** 1982 Jul;14(4):135–8

Differential diagnosis of maldigestion and malabsorption of fat. II. Comparison of 131I-triolein with 14C-triolein in normal, pancreatic juice-deficient, short bowel and bile-deficient dogs. Hatakeyama K, et al. **Jpn J Surg** 1981; 11(4):272–6

Differential diagnosis of maldigestion and malabsorption of fat. I. Comparison of the radioactivity of triglyceride and non-esterified fatty acid in fecal fat using purified 131I-triolein. Hatakeyama K, et al. **Jpn J Surg** 1981; 11(4):263–71

[Diagnostic value of ultrasound studies in gastroenterology] Tsvetkova V, et al. **Vutr Boles** 1982;21(2):1–7 (37 ref.) **(Bul)**

[Endoscopy of the digestive tract in the continuing education of internists and gastroenterologist] Classen M. **Internist (Berlin)** 1982 May;23(5):243–4 **(Ger)**

[Endoscopy in ambulatory practice] Clémençon HG. **Internist (Berlin)** 1982 May;23(5):277–82 **(Ger)**

[Esophagogastroduodenoscopy in acute diseases and injuries of the upper segment of the digestive system and their complications] Belov IN. **Klin Khir** 1981 Aug;(8):50–2 (Eng. Abstr.) **(Rus)**

[Current problems of pediatric gastroenterology] Shelbak MP. **Pediatriia** 1982 May;(5):4–6 **(Rus)**

[Concomitant disorders of the functional status of the digestive organs in children] Siniavskaia OA, et al. **Pediatriia** 1982 Jan;(1):57–8 **(Rus)**

[The value of laparoscopy in digestive system diseases] Pašić I. **Srp Arh Celok Lek** 1981 Jan;109(1):139–50 **(Scc)**

DIET THERAPY

[Diet therapy of chronic digestive system diseases in children] Kapitonova EK, et al. **Vopr Pitan** 1982 Mar–Apr;(2):16–8 (Eng. Abstr.) **(Rus)**

DRUG THERAPY

[Effect of thiobiline in the treatment of functional digestive disorders] Chevrel B. **Med Chir Dig** 1981;10(7):637–40 **(Fre)**

[Clinical experience of amikacin intravenous drip infusion for digestive organ infection (author's transl)] Yokomori T, et al. **Jpn J Antibiot** 1981 Jun;34(6):852–5 **(Jpn)**

[Clinical application of a new intravenous fat emulsion, 'venolipid' (author's transl)] Tanimura H, et al. **Nippon Geka Hokan** 1981 Jan 1;50(1):219–28 **(Jpn)**

[Therapeutic use of pancreozymin alone and in combination with other gastrointestinal hormones in digestive system diseases] Geller LI, et al. **Sov Med** 1981;(11):26–9 **(Rus)**

ECONOMICS

[Drug consumption and cost due to digestive morbidity (author's transl)] Jougla E, et al. **Gastroenterol Clin Biol** 1981 Nov;5(11):1004–13 **(Fre)**

ENZYMOLOGY

Serum trypsin levels in acute pancreatic and non-pancreatic abdominal conditions. Artigas JM, et al. **Postgrad Med J** 1981 Apr;57(666):219–22

ETIOLOGY

Factors leading to digestive disorders in the elderly. Almy TP. **Bull NY Acad Med** 1981 Oct;57(8):709–17

[Iatrogenic pathology of the digestive system. Symposium held 23 May 1981] **Acta Gastroenterol Belg** 1981 Sep–Oct; 44(9–10):363–465 **(Fre)**

[Digestive amyloidosis in generalized amyloidosis. Current data and practical applications (author's transl)] Lavergne A, et al. **Nouv Presse Med** 1982 Feb 20;11(8):597–600 (Eng. Abstr.) **(Fre)**

[Gastroenterologic pathology and alpha-1-antitrypsin deficiency (author's transl)] Van Gossum A, et al. **Rev Med Brux** 1981 Sep;2(7):599–605 (Eng. Abstr.) **(Fre)**

[Digestive complications of typhoid fever] Alarcón T, et al. **Rev Chil Pediatr** 1981 Sep–Oct;52(5):378–81 (Eng. Abstr.) **(Spa)**

FAMILIAL & GENETIC

[Genetics and digestive system diseases] Stefanović S. **Srp Arh Celok Lek** 1981 Jan;109(1):1–13 (Eng. Abstr.) **(Scc)**

IMMUNOLOGY

Autoimmunity in liver and gastrointestinal disorders. Hyatt AC, et al. **Pediatr Ann** 1982 Mar;11(3):315–22

METABOLISM

Calcium homeostasis in digestive disorders. Duncombe VM, et al. **Clin Gastroenterol** 1981 Sep;10(3):653–70 (80 ref.)

Oral ursodeoxycholic acid tolerance test in patients with digestive disease. Yamanishi Y, et al. **Gastroenterol Jpn** 1981;16(5):472–7

[New technic and results of studies of enzyme and transport functions of the small intestine in chronic experiments on normal and diseased rats] Ugolev AM, et al. **Fiziol Zh SSSR** 1981 Nov;67(11):1683–93 (Eng. Abstr.) **(Rus)**

MICROBIOLOGY

Attempts to isolate BK virus from children affected by various diseases. Possati L, et al. **Acta Virol (Praha)** 1981 Jul;25(4):254–5

MORTALITY

Changes in the frequency of alcohol intoxication associated with mortality. Poikolainen K. **Drug Alcohol Depend** 1982 Apr;9(2):127–30

[Statistic determination of the course of a disease and the survival with respect to actuarial methods (author's transl)] Mařatka Z, et al. **Cesk Gastroenterol Vyz** 1981 Aug; 35(6):299–305 (Eng. Abstr.) **(Cze)**

OCCURRENCE

[Diseases of the digestive system in Vienna. Epidemiological results of the 'Vienna Health Study 1979'] Lorant P, et al. **Wien Med Wochenschr** 1981 Dec 31;131(23–24):587–95 (Eng. Abstr.) **(Ger)**

[Digestive complications after a kidney allograft] Kleĭza VIu, et al. **Khirurgiia (Mosk)** 1982 Apr;(4):88–90 **(Rus)**

PHYSIOPATHOLOGY

[Gastrin secretion during food stimulation in digestive system diseases] Vakhrushev IaM. **Vopr Pitan** 1981 Jul–Aug; (4):22–5 (Eng. Abstr.) **(Rus)**

PREVENTION & CONTROL

[Contribution of artificial feeding to the prevention of fistulae, anastomotic breakdowns, and eviscerations. Applications to diffuse postoperative peritonitis in eight cases (author's transl)] Joyeux H, et al. **J Chir (Paris)** 1982 Apr; 119(4):241–53 (Eng. Abstr.) **(Fre)**

PSYCHOLOGY

[Clinicopsychological approach to studying patients with chronic digestive system disease] Loĭko VI, et al. **Klin Med (Mosk)** 1982 Feb;60(2):44–6 (Eng. Abstr.) **(Rus)**

RADIOGRAPHY

[Angiographic aspects and possibilities of therapeutic angiography in the digestive localizations of Rendu-Osler disease (author's transl)] Pillon B, et al. **Ann Radiol (Paris)** 1981 Nov;24(7):551–60 (58 ref.) (Eng. Abstr.) **(Fre)**

[X-ray diagnosis of combined lesions of the digestive and biliary organs in the abdominal pain syndrome in children] Zelinskiĭ BI. **Pediatriia** 1981 May;(5):11–3 (Eng. Abstr.) **(Rus)**

[Experimental bases for electroradiography of the digestive tract] Vlasov PV, et al. **Vestn Rentgenol Radiol** 1982;(2):5–9 (Eng. Abstr.) **(Rus)**

SURGERY

Results of intensive care in abdominal surgery patients. Kaukinen L. **Ann Chir Gynaecol** 1982;71(3):168–71

Noncardiac operations combined with coronary artery bypass. Korompai FL, et al. **Surg Clin North Am** 1982 Apr; 62(2):215–24

[Major digestive tract surgery in octogenarians: analysis of 156 cases (author's transl)] Adloff M, et al. **Chirurgie** 1981; 107(3):219–23 (Eng. Abstr.) **(Fre)**

[Biliodigestive anastomoses: report on 132 cases (author's transl)] Anty JP, et al. **Chirurgie** 1981 Apr–May; 107(5):348–54 (Eng. Abstr.) **(Fre)**

[Mezlocillin or Baypen. Use in digestive surgery] Chevrel B. **Med Chir Dig** 1981;10(7):627–31 **(Fre)**

[Minimal jejunostomy for feeding in digestive surgery] Marchand P, et al. **Med Chir Dig** 1981;10(7):579–81 (Eng. Abstr.) **(Fre)**

[Diagnosis of acute postoperative pancreatitis] Lupal'tsev VI. **Khirurgiia (Mosk)** 1982 Jan;(1):81–2 **(Rus)**

[Acute gastroduodenal ulcers and erosions after operations on the organs of the hepatopancreatoduodenal zone] Khokholia VP, et al. **Klin Khir** 1981 Aug;(8):47–9 (Eng. Abstr.) **(Rus)**

THERAPY

Organising nutritional support. Tweedle DE. **Acta Chir Scand [Suppl]** 1981;507:292–7

[Total parenteral nutrition and gastrointestinal tract (author's transl)] Carpentier YA. **Rev Med Brux** 1981 Apr; 2(4):367–71 (Eng. Abstr.) **(Fre)**

[Use of synthetic nutrients in postoperative enteral hyperalimentation and in the treatment of digestive tract fistulas] Jonecko A, et al. **Wiad Lek** 1981 Oct 1; 34(19):1599–605 (Eng. Abstr.) **(Pol)**

[Use of a high-protein enteral feeding preparation in digestive organ diseases] Lisovskiĭ VA, et al. **Voen Med Zh** 1981 Sep;(9):32–5 **(Rus)**

VETERINARY

[Preventive effect of the preparation 'Bulgarben' in calves with digestive disorders] Petkova E, et al. **Vet Med Nauki** 1982;19(1):52–6 (Eng. Abstr.) **(Bul)**

[Biochemical and hematological indices from the use of a bulgarben preparation in digestive disorders in calves] Petkova E, et al. **Vet Med Nauki** 1981;18(10):28–33 (Eng. Abstr.) **(Bul)**

[Pathological evaluation of 4 years of breeding domestic rabbits used as feeding hosts for tsetse flies (Glossina palpalis gambiensis Vanderplank 1949) in Upper Volta] Houchot A. **Rev Elev Med Vet Pays Trop** 1981;34(4):369–76 (Eng. Abstr.) **(Fre)**

DIGESTIVE SYSTEM NEOPLASMS

BLOOD

[Free and total hydroxyproline in the blood of patients with gastrointestinal neoplasms] Zmudzinski J, et al. **Pol Arch Med Wewn** 1981 Feb;65(2):151–7 (Eng. Abstr.) **(Pol)**

CHEMICALLY INDUCED

Carcinogenicity of vinylethylnitrosamine in Syrian golden hamsters. Green U, et al. **J Cancer Res Clin Oncol** 1982; 102(3):227–33

DIAGNOSIS

Gray-scale ultrasonography, an integral part of diagnostic radiology. Wang SX, et al. **Chin Med J [Engl]** 1982 Feb; 95(2):79–88

[Digestive lipomas: clinical and therapeutic aspects] Rădulescu D, et al. **Rev Chir [Chir]** 1981 Jul–Aug; 30(4):287–94 (Eng. Abstr.) **(Rum)**

[Difficulties in the diagnosis of lymphomas of the digestive tract] Dumitriu M, et al. **Rev Med Interna [Med Interna]** 1981 Jul–Aug;33(4):345–56 (43 ref.) **(Rum)**

[Determination of serum glutamyl transpeptidase activity in the diagnosis of cancer of digestive organs] Lisovskiĭ VA, et al. **Sov Med** 1981;(8):48–52 (Eng. Abstr.) **(Rus)**

[Cancer of the digestive system. III. Early diagnosis of neoplasms of the digestive system] de la Torre-Bravo A. **Gac Med Mex** 1981 Oct;117(10):400–2 **(Spa)**

DRUG THERAPY

[Chemosensitivity predictive tests: current status and future applications in chemotherapy of gastrointestinal cancers (author's transl)] Ballet F, et al. **Gastroenterol Clin Biol** 1982 Feb;6(2):192–201 (Eng. Abstr.) **(Fre)**

ENZYMOLOGY

Neutrophil alkaline phosphatase activity in patients with neoplasma during surgical treatment. Merkiel K, et al. **Neoplasma** 1981;28(5):593–7

Carcinoplacental alkaline phosphatase in malignant and premalignant conditions of the human digestive tract. Skinner JM, et al. **Virchows Arch [Pathol Anat]** 1981; 394(1–2):109–18

ETIOLOGY

[Cancer of the digestive system. II. Diet and cancer of the digestive system] Maqueo-Aguirre M, et al. **Gac Med Mex** 1981 Oct;117(10):397–9 **(Spa)**

IMMUNOLOGY

[The effect of bestatin on the lymphocyte functions of cancer patients (author's transl)] Noma T, et al. **Nippon Gan Chiryo Gakkai Shi** 1981 Jun 20;16(3):453–9 (Eng. Abstr.) **(Jpn)**

MORTALITY

Mortality from cancer of the digestive system in Italy: 1950–1975 cross-sectional rates and cohort analysis. Mastrandrea V, et al. **Am J Epidemiol** 1981 Aug; 114(2):218–28

Mortality and cancer rates among workers in the Swedish PVC processing industry. Molina G, et al. **Environ Health Perspect** 1981 Oct;41:145–51

OCCURRENCE

[The digestive tumor registry of the Calvados. 1978–1979 results] Chuberre C, et al. **Med Chir Dig** 1981;10(7):565–8 **(Fre)**

[Incidence of digestive system neoplasms] Zemła B, et al. **Wiad Lek** 1981 Jul 1;34(13):1077–83 (Eng. Abstr.) **(Pol)**

[Cancer of the digestive system. I. 3d report of the Study Group on Cancer of the Digestive System of the National Academy of Medicine] Villalobos JJ, et al. **Gac Med Mex** 1981 Oct;117(10):390–7 **(Spa)**

PATHOLOGY

[Simultaneous or successive locations carcinomas of head and neck (author's transl)] Dulmet-Brender E, et al. **Ann Otolaryngol Chir Cervicofac** 1981;98(6):253–7 (Eng. Abstr.) **(Fre)**

[Neuropathological changes in the peripheral segments of the autonomic nervous system of the digestive tract of children with neuroblastoma] Jędrzejewska A, et al. **Pediatr Pol** 1981 Aug;56(8):875–81 (Eng. Abstr.) **(Pol)**

PHYSIOPATHOLOGY

[Preoperative nutritional state in 40 patients with digestive cancer. Effect of surgery and two different protocols for parenteral nutrition] Prud'hon MC, et al. **Ann Anesthesiol Fr** 1981;22(6):592–8 (Eng. Abstr.) **(Fre)**

RADIOGRAPHY

Leiomyoma and leiomyosarcoma of the digestive tract—a report of 45 cases and review of the literature. Bruneton JN, et al. **Eur J Radiol** 1981 Nov;1(4):291–300 (185 ref.)

[The morphological substrate of the radiological results of changes of the digestive tract in leucosis (author's transl)] Koval GJ, et al. **Radiol Diagn (Berl)** 1981;22(3):347–53 (Eng. Abstr.) **(Ger)**

[Cancer of the digestive system. IV. Advances in the radiological diagnosis of tumors of the digestive system] Stoopen M, et al. **Gac Med Mex** 1981 Oct;117(10):402–11 **(Spa)**

RADIONUCLIDE IMAGING

[Clinical evaluation of bone metastases from carcinoma of the digestive system by scintigraphy with ^{99m}Tc-phosphorous compounds (author's transl)] Bussaka H, et al. **Kaku Igaku** 1981 Jun;18(5):591–9 (Eng. Abstr.) **(Jpn)**

SURGERY

Peroxydase activity of the granulocytes in the course of surgical treatment of neoplasm of the alimentary tract. Merkiel K, et al. **Folia Haematol (Leipz)** 1982;109(2):218–23

[Indications and nutritional response to parenteral feeding in surgical patients with cancer] Faintuch J, et al. **Rev Hosp Clin Fac Med Sao Paulo** 1981 Oct;36(5):194–7 (Eng. Abstr.) **(Por)**

[Emergency states in certain gastrointestinal tumors] Falileev GV, et al. **Sov Med** 1981;(9):29–34 (Eng. Abstr.) **(Rus)**

DIGILANIDES see **LANATOSIDES**

DIGITALIS

Analysis of exercise-induced R-wave-amplitude changes in detection of coronary artery disease in patients with typical or atypical chest pain under digitalis treatment. Degre S, et al. **Cardiology** 1981;68 Suppl 2:178–85

Effects of digitalis on subendocardial and subepicardial dysfunction during acute ischemia. Banka VS, et al. **Circulation** 1982 Jun;65(7):1315–20

Treatment of paroxysmal supraventricular tachycardia in infancy with digitalis, adenosine-5'-triphosphate, and verapamil: a comparative study. Greco R, et al. **Circulation** 1982 Sep;66(3):504–8

Hemodynamic effects of strophanthin and pindolol in patients with hypertrophic cardiomyopathy. Storstein L, et al. **Eur Heart J** 1981 Aug;2(4):297–305

A proposed mechanism of action of the inotropic agent digitalis. Knight VA. **Med Hypotheses** 1981 May; 7(5):669–72

Anti-arrhythmic agents in ischemic heart disease: supraventricular arrhythmias, digitalis toxicity and chronic stable ventricular ectopic beats. Opie LH. **Methods Find Exp Clin Pharmacol** 1982;4(1):25–35

Long-term efficacy of digitalis in patients with sinus rhythm [letter] Joubert P. **S Afr Med J** 1981 Dec 5;60(23):880

[The recognition of digitalis intoxication during atrial fibrillation—with an analysis of 167 cases (author's transl)] **Feng ZK. Chung Hua Nei Ko Tsa Chih** 1981 Jul;20(7):422–6 **(Chi)**

[The history of a therapeutic agent: digitalis yesterday and today (author's transl)] Normand J. **Ann Cardiol Angeiol (Paris)** 1982 Mar–Apr;31(2):89–95 (Eng. Abstr.) **(Fre)**

[Usefulness of digitalis in various cardiovascular diseases] Halawa B. **Wiad Lek** 1982 Jan 1;35(1):37–41 (Eng. Abstr.) **(Pol)**

ANALYSIS

Quantitative analysis of natural drugs II. Quantitative TLC determination of digoxin and other glycosides in pretreated Digitalis lanata extracts. Horváth P. **Acta Pharm Hung** 1982 May;52(3):133–40

METABOLISM

Digitalis receptor desensitization in rat ventricle: ouabain produces two inotropic effects. Grupp IL, et al. **Life Sci** 1981 Dec 28;29(26):2789–94

DIGITALIS GLYCOSIDES

ADMINISTRATION & DOSAGE

[Long-term use of digitalis glycosides] Jounela A, et al. **Duodecim** 1982;98(2):100–10 **(Fin)**

[Digitalis drugs] Alegría E, et al. **Rev Med Univ Navarra** 1982 Mar;26(1):44–6 **(Spa)**

ADVERSE EFFECTS

Digitalis-induced cardiac arrhythmias. Chia BL. **Angiology** 1981 Sep;32(9):630–8

Digitalis-associated cardiac mortality after myocardial infarction. Moss AJ, et al. **Circulation** 1981 Dec; 64(6):1150–6

EKG of the month. Subventricular tachycardia and AV dissociation diagnosed as digitalis toxicity. Campbell WB. **J Tenn Med Assoc** 1982 Jan;75(1):51–2

Pseudo-eccyesis: hemoperitoneum associated with corpus luteum hemorrhage and anticoagulant therapy. Durkin JW Jr. **W Va Med J** 1980 Dec;76(12):315–6

[Differential diagnosis at the bedside—slow weight loss: digitalis overdosing] Ernst E. **MMW** 1982 Feb 26;124(8):99 **(Ger)**

['Digitalis' arrhythmias in 489 heart patients] Piancone RM, et al. **Boll Soc Ital Cardiol** 1981;26(2):193–9 **(Ita)**

[Undesired effects of digitalis] Mäurer W. **Clin Ter** 1981 Mar 15;96(5):467–74 (Eng. Abstr.) **(Ita)**

[Digitalis poisoning, with special emphasis on conduction disorders and their treatment] Iveges ZI. **Med Pregl** 1981; 34(7–8):331–4 (Eng. Abstr.) **(Scr)**

ANALYSIS

Quantitative analysis of natural drugs II. Quantitative TLC determination of digoxin and other glycosides in pretreated Digitalis lanata extracts. Horváth P. **Acta Pharm Hung** 1982 May;52(3):133–40

Digitalis-like biological activity and immunoreactivity in chromatographic fractions of rabbit adrenal extract. Schreiber V, et al. **Endocrinol Exp (Bratisl)** 1981 Dec; 15(4):229–36

[Production of an anti-digitalin monoclonal antibody (author's transl)] Edelman L, et al. **C R Seances Acad Sci [III]** 1982 Mar 8;294(10):421–4 (Eng. Abstr.) **(Fre)**

ANTAGONISTS & INHIBITORS

The action of reserpine, 6-hydroxydopamine, and bretylium on digitalis-induced cardiotoxicity. Lathers CM, et al. **Eur J Pharmacol** 1981 Dec 17;76(4):371–9

BLOOD

Digitalis and vasoactive drugs. Howanitz JH, et al. **Clin Lab Med** 1981 Sep;1(3):523–39 (72 ref.)

[Digitalis glycosides and renal insufficiency] Grabensee B, et al. **Internist (Berlin)** 1981 Oct;22(10):622–8 **(Ger)**

[Determination of digitalis glycosides in the body for monitoring the dosage of these preparations in patients with chronic circulatory failure. Different methods] Geraga W. **Pol Tyg Lek** 1982 Mar 29;37(3):99–101 **(Pol)**

METABOLISM

On the glucuronidation of digitalis compounds in different species. Schmoldt A, et al. **Arch Int Pharmacodyn Ther** 1982 Feb;255(2):180–90

Developmental increase of digitalis receptors in guinea pig heart. Khatter JC, et al. **Cardiovasc Res** 1982 Feb;16(2):80–5

Involvement of endogenous digitalis-like substance in genesis of deoxycorticosterone-salt hypertension. Kojima I, et al. **Life Sci** 1982 May 24;30(21):1775–81

[Physiological, pathological and drug factors influencing blood levels and posology of cardiotonic agents] Carlier J. **Rev Med Liege** 1981 Apr 15;36(8):341–8 **(Fre)**

PHARMACODYNAMICS

The influence of quinidine and other agents on digitalis glycosides. Bussey HI. **Am Heart J** 1982 Aug;104(2 Pt 1):289–302 (100 ref.)

Voltage dependence of digitalis afterpotentials, aftercontractions, and inotropy. Wasserstrom JA, et al. **Am J Physiol** 1981 Oct;241(4):H646–53

Digitalis glycoside-like biological activity (inhibition of 86Rb+ uptake by red blood cells in vitro) of certain steroids and other hormones. Schreiber V, et al.

Biochem Pharmacol 1981 Nov 1;30(21):3001–2
Digitalis–induced stimulation. Support for a two–receptor model. Hammarström L, et al. **Exp Cell Res** 1982 Feb; 137(2):249–52
Effect of digitalis on estimated splanchnic blood flow. Bynum TE, et al. **J Lab Clin Med** 1982 Jan;99(1):84–91
Inotropic and electrophysiologic effects of amrinone in untreated and digitalized ventricular tissues. Rosenthal JE, et al. **J Pharmacol Exp Ther** 1982 Apr;221(1):188–96
A proposed mechanism of action of the inotropic agent digitalis. Knight VA. **Med Hypotheses** 1981 May; 7(5):669–72
[Pharmacology of digitalis glycosides] Estanove S, et al. **Ann Anesthesiol Fr** 1981;22(4):365–75 (22 ref.) **(Fre)**
[Mechanism of action of digitalis in humans. Potentiation of reflexes] Ferrari A, et al. **Boll Soc Ital Cardiol** 1981; 26(5):417–28 (Eng. Abstr.) **(Ita)**
[Cardiac function during exercise in effort angina Part 2. Comparison of the effects of nitroglycerin and digitalis (author's transl)] Itoh K. **Nippon Naika Gakkai Zasshi** 1982 Mar 10;71(3):286–94 **(Jpn)**

POISONING

Acute and chronic digitalis toxicity: presentation and treatment. Sharff JA, et al. **Ann Emerg Med** 1982 Jun; 11(6):327–31 (84 ref.)
Digitalis intoxication and hyperkalemia in hemodialysed patients [letter] Ritz E, et al. **Int J Artif Organs** 1981 May; 4(3):149–50
[Prospective examinations of digitalis poisoning] Storstein L. **Fortschr Med** 1981 Aug 27;99(31–32):1247–54 (Eng. Abstr.) **(Ger)**
[Digitalis poisoning: incidence, symptoms and therapy] Kuhlmann J. **Med Klin** 1981 Dec 18;76(26):734–7 **(Ger)**
[Causes of digitalis poisoning] Kuhlmann J. **Med Klin [Prax]** 1982 Jan 15;77(2):21–30 **(Ger)**
[Vomiting of obscure origin: digitalis poisoning] Kirchmair W. **MMW** 1982 Mar 19;124(11):102 **(Ger)**
[Hemosorption as a treatment method in digitalis poisoning of heart failure patients with myocardial infarct] Shumakov VI, et al. **Kardiologiia** 1982 Feb;22(2):111–4 (Eng. Abstr.) **(Rus)**
[Mechanism of the antiarrhythmic effect of inorganic phosphates in digitalis poisoning] Peón J, et al. **Arch Inst Cardiol Mex** 1981 Nov–Dec;51(6):511–9 (Eng. Abstr.) **(Spa)**

THERAPEUTIC USE

The digitalis controversy. Dipalma JR. **Am Fam Physician** 1982 Aug;26(2):217–8
Effects of digitalis on the human sick sinus node after pharmacologic autonomic blockade. Gomes JA, et al. **Am J Cardiol** 1981 Oct;48(4):783–8
Zinc concentrations in plasma and erythrocytes in digitalized patients. Zumkley H, et al. **Klin Wochenschr** 1981 Dec 15; 59(24):1345–7
Fibrillation, failure, and the foxglove [editorial] **Lancet** 1982 Apr 17;1(8277):891–2
The role of digitalis in acute myocardial infarction. Liberman HA. **Primary Care** 1981 Sep;8(3):483–90
[Which patients need permanent digitalis therapy?] Müller–Pletenberg D. **Ther Ggw** 1982 Jan;121(1):52–4 **(Ger)**
[Current clinical aspects and therapy of cardiac/decompensation in the aged] Marci M, et al. **Clin Ter** 1982 Apr 15;101(1):75–86 (58 ref.) **(Ita)**
[Atrial fibrillation and flutter in children] Battaglia T, et al. **Minerva Med** 1982 Apr 2;73(14):855–8 (Eng. Abs.:.) **(Ita)**

TOXICITY

Role of the adrenergic nerve terminal in digitalis–induced cardiac toxicity: a study of the effects of pharmacological and surgical denervation. Lathers CM, et al. **J Cardiovasc Pharmacol** 1982;4(1):91–8

DIGITIN see **DIGITONIN**

DIGITONIN

Solubilization and characterization of 3H–spiroperidol binding sites of calf caudate. Lerner MH, et al. **Life Sci** 1981 Dec 7;29(23):2367–74

ANALYSIS

Radioimmunoassay of digitonin. Brooker G, et al. **Biochim Biophys Acta** 1982 Feb 8;685(1):39–43

PHARMACODYNAMICS

Effect of digitonin on rat myometrium subcellular membrane fractions. Grover AK, et al. **Can J Physiol Pharmacol** 1981 Nov;59(11):1128–33
Density gradient fractionation of digitonin–treated rat liver plasma membranes and subcellular localization of NADH–oxidoreductase and B–type cytochromes. Goldenberg H. **Enzyme** 1982;27(4):227–38
Translation of mitochondrial proteins in digitonin–treated rat hepatocytes. Kuźela S, et al. **FEBS Lett** 1981 Nov 30; 135(1):89–92
Nucleotide requirements for DNA replication of SV40 chromatin in digitonin–treated and saponin–treated permeable cells. Oda T, et al. **Nucleic Acids Symp Ser** 1981; (10):159–62
Titration of rat liver with digitonin: a well defined short term damage of cellular metabolism. Postius S, et al. **Z Naturforsch [C]** 1981 Sep–Oct;36(9–10):880–3

DIGITOXIGENIN

ANALOGS & DERIVATIVES

Synthesis and biological activity of digitoxigenin aminoesters. Valcavi U, et al. **Farmaco [Sci]** 1981 Nov;36(11):971–82

ANTAGONISTS & INHIBITORS

Hippocampal seizure discharge produced by systemic digitoxigenin is antagonized by reserpine or p–chlorophenylalanine. Vocci FJ, et al. **Neuropharmacology** 1982 Jan;21(1):95–8

PHARMACODYNAMICS

Demonstration of a digitalis–sensitive sarcolemmal Ca2+–pump functionally coupled with a membrane associated creatine phosphokinase. Spitzer E, et al. **Acta Biol Med Ger** 1981;40(9):1111–22
A comparison of inotropic actions of p–chloromercuribenzoate, ouabain, digitoxin and digitoxigenin. Temma K, et al. **Eur J Pharmacol** 1982 Feb 5;77(4):289–98

DIGITOXIN

ADMINISTRATION & DOSAGE

[Digitoxin dosage chart for children] Wiersbitzky S, et al. **Kinderarztl Prax** 1982 Apr;30(4):207–12 (Eng. Abstr.) **(Ger)**

ADVERSE EFFECTS

Reversal of digitalis–induced mesenteric vasospasm by sodium nitroprusside. Bowerman RE, et al. **Arch Intern Med** 1982 Feb;142(2):403–5
[Acute psychosis provoked by digitalis–overdosage (author's transl)] Scharf RE, et al. **Nervenarzt** 1981 Jul;52(7):426–8 **(Ger)**

ANALOGS & DERIVATIVES

7 beta –hydroxycardenolide glycosides. Szeleczky Z, et al. **Steroids** 1981 Jul;38(1):11–27

BLOOD

Fluoroimmunoassay of digitoxin in serum. Al–Hakiem MH, et al. **Clin Chem** 1982 Jun;28(6):1364–6
Separation of digoxin, digitoxin and their potential metabolites, impurities or degradation products by high–performance liquid chromatography. Desta B, et al. **J Chromatogr** 1982 May 7;240(1):137–43
[Blood digitoxin. Comparative study after administration of drops and tablets of digitalin] Bloch R, et al. **Rev Med Interne** 1981 Oct;2(3):349–55 (Eng. Abstr.) **(Fre)**
[Digitoxin plasma concentrations during oral treatment (author's transl)] Heinz N, et al. **Arzneimittelforsch** 1981; 31(9):1471–3 (Eng. Abstr.) **(Ger)**

METABOLISM

Inhibition of digoxin absorption but not of digitoxin during cytostatic drug therapy. Kuhlmann J. **Arzneimittelforsch** 1982;32(6):698–704
The effect of spironolactone pretreatment on digitoxin metabolism in isolated hepatocytes from male and female rats. Ohta M, et al. **Biochem Pharmacol** 1982 Jun 15; 31(12):2192–4
Digitoxin accumulation. Ochs HR, et al. **Br J Clin Pharmacol** 1982 Aug;14(2):225–9
Studies on digitalis. 23. Blood–brain barrier of digitoxin in humans. Storstein L, et al. **Clin Cardiol** 1979 Apr; 2(2):146–50
[Interaction of quinidine on the pharmacokinetics of digitoxin : a controversal view (author's transl)] Lesne M, et al. **Therapie** 1981 Nov–Dec;36(6):631–4 (14 ref.) (Eng. Abstr.) **(Fre)**
[Appraisal of digitalis therapy (author's transl)] Marcus FI. **Therapie** 1982 Mar–Apr;37(2):181–96 (48 ref.) (Eng. Abstr.) **(Fre)**
[Use of mathematical methods and computer technics for monitoring the concentration of digitalis glycosides in the body of patients with syn..ptoms of overdigitalization] Tytman B. **Pol Tyg Lek** 1981 Mar 9;36(10):373–7 (Eng. Abstr.) **(Pol)**

PHARMACODYNAMICS

Inotropic effects of digitoxin in isolated guinea–pig heart under conditions which alter contraction. Temma K, et al. **Eur J Pharmacol** 1981 Dec 17;76(4):361–70
A comparison of inotropic actions of p–chloromercuribenzoate, ouabain, digitoxin and digitoxigenin. Temma K, et al. **Eur J Pharmacol** 1982 Feb 5;77(4):289–98
Time course of the effects of single intravenous doses of digitoxin and digoxin in normal volunteers. Belz GG, et al. **J Cardiovasc Pharmacol** 1981 Sep–Oct;3(5):1116–25
Pharmacokinetics and pharmacodynamics of intravenous digoxin and digitoxin. Ochs HR, et al. **Klin Wochenschr** 1981 Aug 17;59(16):889–97
[Drug interactions between digitoxin and quinidine?] Ochs HR, et al. **Dtsch Med Wochenschr** 1982 Apr 30; 107(17):673–4 **(Ger)**

POISONING

Acute, massive poisoning with digitoxin: report of seven cases and discussion of treatment. Hansteen V, et al. **Clin Toxicol** 1981 Jun;18(6):679–92
Treatment of digitoxin overdose with oral activated charcoal [letter] Pond S, et al. **Lancet** 1981 Nov 21;2(8256):1177–8
[Digitoxin poisoning. Accelerated elimination by administration of activated charcoal (letter)] Moulin MA, et al. **Nouv Presse Med** 1982 Mar 27;11(14):1079–80 **(Fre)**
[Massive digitalis poisoning. Treatment by hemoperfusion on Amberlite XAD–4 resin] Gosselin B, et al. **Rev Med Interne** 1981 Oct;2(3):313–23 (Eng. Abstr.) **(Fre)**
[Intestinal infarction and digitalis poisoning] Dahl E, et al. **Tidsskr Nor Laegeforen** 1981 Jul 10;101(19–21):1117–8 (Eng. Abstr.) **(Nor)**

THERAPEUTIC USE

[Studies to determine individual toxic doses of digitoxin (author's transl)] Kümmell HC, et al. **MMW** 1982 Jun 4; 124(22):545–9 (Eng. Abstr.) **(Ger)**

DIGLYCERIDES see under **GLYCERIDES**

DIGOXIGENIN see under **DIGOXIN**

DIGOXIN

Stability of digoxin tablets collected from U.S. hospitals. Belson JJ, et al. **Am J Hosp Pharm** 1981 Dec;38(12):1903–7
Stability of digoxin in common large–volume injections. Shank WA Jr, et al. **Am J Hosp Pharm** 1982 May; 39(5):844–6
Acute vasodilator therapy increases renal clearance of digoxin in patients with congestive heart failure. Cogan JJ, et al. **Circulation** 1981 Nov;64(5):973–6
The digoxin index 1966–1981. Part I. Schneiweiss F. **Drug Intell Clin Pharm** 1982 Jan;16(1):26–34, 52
The digoxin index 1966–1981. Part III. Schneiweiss F. **Drug Intell Clin Pharm** 1982 Mar;16(3):222–33
The digoxin index 1966–1981. Part II. Schneiweiss F. **Drug Intell Clin Pharm** 1982 Feb;16(2):132–40

ADMINISTRATION & DOSAGE

Control of ventricular rate during atrial fibrillation: ambulatorial experience. Rossini G, et al. **Acta Biomed Ateneo Parmense** 1981;52(6):269–71
Digoxin maintenance dosage in obesity [letter] Grauer K, et al. **Am Heart J** 1982 Aug;104(2 Pt 1):320
Intracardiac electrophysiologic study of intravenous diltiazem and combined diltiazem–digoxin in patients. Mitchell LB, et al. **Am Heart J** 1982 Jan;103(1):57–66
Daily digoxin administration in parenteral nutrition solution. Fagerman KE, et al. **Am J Hosp Pharm** 1981 Dec; 38(12):1955
Comparison of methods for estimating digoxin dosing regimens: further analysis. Johnson MH, et al. **Am J Hosp Pharm** 1981 Oct;38(10):1524–5
Pharmacokinetics of a single, orally administered dose of digoxin in horses. Pedersoli WM, et al. **Am J Vet Res** 1981 Aug;42(8):1412–4
The manufacture of digitalis [letter] Fuchs JC, et al. **Arch Intern Med** 1982 Jan;142(1):200–1
Re–examination of digoxin dosage regimen: comparison of the proposed nomograms or formulae in elderly patients. Tsujimoto G, et al. **Br J Clin Pharmacol** 1982 Apr; 13(4):493–500
The effect of digoxin on the response to lithium therapy in mania. Chambers CA, et al. **Psychol Med** 1982 Feb; 12(1):57–60
[Digoxin and quinidine: a clinically important drug interaction] Offerhaus L. **Ned Tijdschr Geneeskd** 1981 Sep 26;125(39):1576–8 **(Dut)**
[Is the prescription of digoxin 5 days out of 7 rational?] Helali A, et al. **Rev Med Suisse Romande** 1981 Jun;101(6):487–91 **(Fre)**
[Optimisation of digoxin posology (author's transl)] Venet R, et al. **Therapie** 1981 Mar–Apr;36(2):161–8 (Eng. Abstr.) **(Fre)**
[Effect of the method of digoxin administration on its serum levels] Mazurowa A, et al. **Wiad Lek** 1981 Apr 15; 34(8):625–8 (Eng. Abstr.) **(Pol)**
[Use of the vasodilator sodium nitroprusside in combination with digoxin in patients with refractory cardiac insufficiency] Mukharliamov NM, et al. **Ter Arkh** 1982; 54(5):128–31 (Eng. Abstr.) **(Rus)**
[Long–term ambulatory treatment of patients with circulatory insufficiency] Nasonova TI. **Ter Arkh** 1982; 54(1):51–5 (Eng. Abstr.) **(Rus)**

ADVERSE EFFECTS

Safety of electrical cardioversion in patients without digitalis toxicity. Ditchey RV, et al. **Ann Intern Med** 1981 Dec; 95(6):676–9

Digoxin retinal toxicity. Clinical and electrophysiological evaluation of a cone dysfunction syndrome. Weleber RG, et al. **Arch Ophthalmol** 1981 Sep;99(9):1568–72

Fatal ventricular fibrillation after treatment with digoxin in a 27-year-old man with mitral leaflet prolapse syndrome. Salmela PI, et al. **Br Heart J** 1981 Sep;46(3):338–41

Digitalis toxicity mistaken for jaundice. Dickstein ES. **Geriatrics** 1982 Apr;37(4):133, 137–8

Psoriasiform eruption induced by digoxin: confirmed by re-exposure. David M, et al. **J Am Acad Dermatol** 1981 Dec;5(6):702–3

A disguised case of digoxin toxicity. Higgins JD, et al. **J Am Optom Assoc** 1981 Aug;52(8):671

Ventricular fibrillation associated with use of digitalis in a newborn infant with Wolff-Parkinson-White syndrome. Byrum CJ, et al. **J Pediatr** 1982 Sep;101(3):400–3

A correlative study of serum digoxin levels with clinical tolerance. Paindakhel SM, et al. **JPMA** 1981 Aug; 31(8):161–3

Complications associated with digoxin therapy in low-birth weight infants. Johnson GL, et al. **Pediatrics** 1982 Apr; 69(4):463–5

The changing pattern of toxicity of digoxin. Henry DA, et al. **Postgrad Med J** 1981 Jun;57(668):358–62

Elevated arterial pressure, vascular wall 'waterlogging,' and impaired cardiac growth in rats chronically receiving digoxin. Overbeck HW. **Proc Soc Exp Biol Med** 1981 Sep; 167(4):506–13

Digoxin withdrawal in patients with sinus rhythm [letter] Reitz CJ. **S Afr Med J** 1981 Oct 10;60(15):570

[Therapeutic comparison between digoxin, beta-methyl-digoxin and beta-acetyl-digoxin] Gruppillo P, et al. **Clin Ter** 1981 Nov 15;99(3):281–93 (Eng. Abstr.) **(Ita)**

ANALOGS & DERIVATIVES

Pharmacokinetics of metildigoxin and digoxin in geriatric patients with normal and elevated serum creatinine levels. Kaufmann B, et al. **Clin Pharmacokinet** 1981 Nov-Dec; 6(6):463–8

Digoxigenin biotransformation. Gault H, et al. **Clin Pharmacol Ther** 1982 Jun;31(6):695–704

Effects of cytostatic drugs on plasma level and renal excretion of beta-acetyldigoxin. Kuhlmann J, et al. **Clin Pharmacol Ther** 1981 Oct;30(4):518–27

Evaluation of medigoxin in outpatients. Smith WR, et al. **Eur J Clin Pharmacol** 1981 Mar;19(4):251–8

Extrarenal clearance, distribution volume, and elimination rate of digoxin and metildigoxin in anuric patients. Twittenhoff WD, et al. **Int J Clin Pharmacol Ther Toxicol** 1981 Sep;19(9):405–8

The development and application of a radioimmunoassay for dihydrodigoxin, a digoxin metabolite. Butler VP Jr, et al. **J Pharmacol Exp Ther** 1982 Apr;221(1):123–31

Therapeutic effects and pharmacokinetics of beta-methyldigoxin. Cristodorescu R, et al. **Med Interne** 1981 Jul-Sep;19(3):265–75

Digitalis-like biological activity and immunoreactivity of synthetic beta 1-24 corticotropin and its natriuretic action. Schreiber V, et al. **Physiol Bohemoslov** 1982;31(1):83–5

7 beta -hydroxycardenolide glycosides. Szeleczky Z, et al. **Steroids** 1981 Jul;38(1):11–27

[No advantages of acetyldigoxin and methyldigoxin compared to digoxin] Kuhlmann J. **Dtsch Med Wochenschr** 1982 May 28;107(21):831–3 (39 ref.) **(Ger)**

[Biological availability of digoxin and beta-methyl-digoxin administered in the fasting state or after meals] Hess T, et al. **Schweiz Med Wochenschr** 1981 Sep 26; 111(39):1434–40 (Eng. Abstr.) **(Ger)**

[Pharmacokinetics of beta-methyldigoxin and beta-acetyldigoxin in patients with cirrhosis of the liver (author's transl)] Rameis H, et al. **Wien Klin Wochenschr** 1981 Oct 2;93(18):572–6 (Eng. Abstr.) **(Ger)**

[Therapeutic comparison between digoxin, beta-methyl-digoxin and beta-acetyl-digoxin] Gruppillo P, et al. **Clin Ter** 1981 Nov 15;99(3):281–93 (Eng. Abstr.) **(Ita)**

[Another type of interaction between blood levels of digitalis and anti-arrhythmic drugs: digoxin and amiodarone. Experience with long-term therapy] Furlanello F, et al. **G Ital Cardiol** 1982;11(11):1725–8 (Eng. Abstr.) **(Ita)**

[Radioimmunoassay of digoxin and methyldigoxin in serum by Amerlex Digoxin RIA kit (author's transl)] Yoshimura F, et al. **Radioisotopes** 1982 Apr;31(4):199–201 **(Jpn)**

[Evaluation of the practical use of mathematical methods and computer technics for the control of treatment with selected digitalis glycosides] Tytman B. **Pol Tyg Lek** 1981 Oct 5;36(40):1553–5 **(Pol)**

[Clinico-pharmacological and clinical evaluation of pengitoxin] Haustein KO, et al. **Farmakol Toksikol** 1982 May-Jun;45(3):67–8 **(Rus)**

ANALYSIS

Localization of digoxin in sheep myocardium by immunofluorescent microscopy. Berman W Jr, et al. **Biol Neonate** 1981;40(5–6):295–9

Use of digoxin radioimmunoassay in forensic investigations of tissue distribution. Sedgwick P, et al. **Clin Toxicol** 1981 Aug;18(8):887–93

The use of brain digoxin concentrations to confirm blood digoxin concentrations. Spiehler VR, et al. **J Forensic Sci** 1981 Oct;26(4):645–50

Relationship between digoxin concentration in serum and saliva in infants. Krivoy N, et al. **J Pediatr** 1981 Nov; 99(5):810–1

Immunoassay of digoxin and other cardiac glycosides. Butler VP Jr, et al. **Methods Enzymol** 1982;84 Pt D:558–77

Digoxin-like immunoreactivity of certain steroid and other hormones. Schreiber V, et al. **Physiol Bohemoslov** 1981; 30(6):569–71

[Correlation of digoxin levels in the myocardium, plasma and saliva in patients under chronic treatment] Padrón FA, et al. **Arch Farmacol Toxicol** 1981 Apr;7(1):57–60 **(Spa)**

ANTAGONISTS & INHIBITORS

Canrenoate reversal of inhibitory effects of digoxin on basal and furosemide-stimulated renin secretion. Finotti P, et al. **Clin Pharmacol Ther** 1982 Jul;32(1):1–6

Digoxin – quinidine interaction [letter] Cheng TO. **J Am Geriatr Soc** 1982 Jan;30(1):79–80

BLOOD

Digoxin-hydroxychloroquine interaction? Leden I. **Acta Med Scand** 1982;211(5):411–2

Use of control steady-state serum digoxin levels for predicting serum digoxin concentration after quinidine administration. Friedman HS, et al. **Am Heart J** 1982 Jul; 104(1):72–6

Myocardial vs serum digoxin concentrations in infants and adults. Park MK, et al. **Am J Dis Child** 1982 May; 136(5):418–20

Estimating the volume of distribution of digoxin [letter] Jeffrey LP, et al. **Am J Hosp Pharm** 1981 May; 38(5):631–634

Predictability of serum digoxin concentrations [letter] Taketomo RT, et al. **Am J Hosp Pharm** 1981 Oct; 38(10):1438, 1441

Clinical utility of serum digoxin levels. Katzenberg C, et al. **Ariz Med** 1981 Nov;38(11):828–31

The influence of verapamil on serum digoxin concentration. Klein HO, et al. **Circulation** 1982 May;65(5):998–1003

Precision of digoxin radioimmunoassays and matrix effects: four kits compared. Bergdähl B, et al. **Clin Biochem** 1981 Apr;14(2):67–71

Pharmacokinetics of digoxin in C.A.P.D. De Paepe M, et al. **Clin Exp Dial Apheresis** 1982;6(1):65–73

Erythrocyte digoxin concentration. Kawai S, et al. **Clin Pharmacol Ther** 1982 May;31(5):541–7

Effect of phenobarbital on serum digoxin concentration during administration of liposome-entrapped digoxin: an examination of possible drug interactions. Fountain MW, et al. **Drug Chem Toxicol** 1981;4(4):353–61

Serum digoxin concentrations in atrial fibrillation: a review. Masuhara JE, et al. **Drug Intell Clin Pharm** 1982 Jul-Aug; 16(7–8):543–6 (35 ref.)

Quinidine-digoxin interaction: evidence for involvement of an extrarenal mechanism. Doering W, et al. **Eur J Clin Pharmacol** 1982;21(4):281–5

An interaction study between benoxaprofen and digoxin. Zöller B, et al. **Eur J Rheumatol Inflamm** 1982;5(2):82–6

Serum levels of digoxin administered in soft gelatin capsules and tablets and evaluated by both radioimmunoassay and enzyme immunoassay. Nicaise J, et al. **Farmaco [Prat]** 1981 Jul;36(7):341–6

Monitoring digoxin levels in a group of nursing home patients [letter] Nahata MC, et al. **J Am Geriatr Soc** 1982 May; 30(5):360

Separation of digoxin, digitoxin and their potential metabolites, impurities or degradation products by high-performance liquid chromatography. Desta B, et al. **J Chromatogr** 1982 May 7;240(1):137–43

Fluoroimmunoassay of digoxin in serum. Al-Hakiem MH, et al. **J Clin Chem Clin Biochem** 1982 Mar;20(3):151–6

Influence of kaolin-pectin suspension on steady-state plasma digoxin levels. Albert KS, et al. **J Clin Pharmacol** 1981 Oct;21(10):449–55

Oleander interference in the digoxin radioimmunoassay in a fatal ingestion. Osterloh J, et al. **JAMA** 1982 Mar 19; 247(11):1596–7

Serum levels and digoxin toxicity [letter] Spodick DH. **JAMA** 1981 Dec 11;246(23):2678

Digoxin and Phenytoin analyses as part of consultations in clinical pharmacology: a study on the use of drugs. Bergman U, et al. **Ther Drug Monit** 1981;3(3):259–69

Plasma digoxin concentrations during administration of dietary fibre (guar gum) in man. Lembcke B, et al. **Z Gastroenterol** 1982 Mar;20(3):164–7

[Evaluation of radio-immunoassay of digoxin in the diagnosis of digitalis intoxication (author's transl)] Zhu CM, et al. **Chung Hua Hsin Hsueh Kuan Ping Tsa Chih** 1980 Sep; 8(3):174–8 (Eng. Abstr.) **(Chi)**

[Clinical significance of serum digoxin estimation by radio-immunoassay (author's transl)] Liu XJ, et al. **Chung Kuo I Hsueh Ko Hsueh Yuan Hsueh Pao** 1981 Mar; 3(1):31–5 (Eng. Abstr.) **(Chi)**

[Enzyme immunoanalysis for digoxin (author's transl)] Stern P, et al. **Cas Lek Cesk** 1982 Jun 11;121(23):707–9 (Eng. Abstr.) **(Cze)**

[Variations in blood digoxin and therapeutic monitoring] Raichvarg D, et al. **Ann Biol Clin (Paris)** 1981;39(5):298–9 **(Fre)**

[Radioimmunoassay of serum digoxin levels. Technical aspects (author's transl)] Galland F, et al. **Pathol Biol (Paris)** 1981 Oct;29(8):486–90 (Eng. Abstr.) **(Fre)**

[Radioimmunoassay of serum digoxin levels. Clinical exploration (author's transl)] Galland F, et al. **Pathol Biol (Paris)** 1981 Dec;29(10):595–600 (Eng. Abstr.) **(Fre)**

[Surveillance of digitalized patients through digoxinemia determination] Leuenberger C, et al. **Rev Med Suisse Romande** 1981 Jun;101(6):493–5 **(Fre)**

[Radioimmunoassay of serum digoxin levels. Clinical exploration (author's transl)] Galland F, et al. **Sem Hop Paris** 1982 Mar 18;58(11):665–70 (Eng. Abstr.) **(Fre)**

[Relationship between digoxin plasma concentrations and frequency of digoxin intoxication (author's transl)] Heinz N. **Arzneimittelforsch** 1981;31(9):1469–71 (Eng. Abstr.) **(Ger)**

[Effects of haemolysis, urea and bilirubin on the precision of digoxin and insulin radioimmunoassays (author's transl)] Dwenger A, et al. **J Clin Chem Clin Biochem** 1982 Jan; 20(1):29–38 (Eng. Abstr.) **(Ger)**

[Clinical significance of the serum digoxin concentration] Ochs HR, et al. **Med Welt** 1982 Jan 15;33(2):53–6 **(Ger)**

[Absolute bioavailability of digoxin. Comparison of a soft gelatin capsule with a commercial silicic acid matrix preparation] Rietbrock N, et al. **MMW** 1982 Jun 4; 124(22):550–2 **(Ger)**

[Statistical evaluation and clinical significance of the results of blood levels of digoxin with the RIA Gamma disk I 125-EMIT-ELISA methods and their representation with blood digitalic curves (with reference to a sample of aged subjects)] Tamburrini LR, et al. **G Clin Med** 1982 Feb; 63(2):93–108 (Eng. Abstr.) **(Ita)**

[Standardization of blood digitalis curves with reference to blood digitalis levels in elderly subjects under various clinical conditions] Tamburrini LR, et al. **G Clin Med** 1981 Dec;62(12):848–56 (Eng. Abstr.) **(Ita)**

[Fundamental and clinical evaluation of Spac digoxin kit (author's transl)] Morita T, et al. **Kaku Igaku** 1981 Apr; 18(3):353–60 **(Jpn)**

[An evaluation of digoxin radioimmunoassay using solid phase method -SPAC digoxin kit- (author's transl)] Tsukahara Y, et al. **Kaku Igaku** 1981 Jul;18(6):853–8 **(Jpn)**

[Measurement of serum digoxin by SPAC digoxin RIA kit (author's transl)] Yamagishi Y, et al. **Kaku Igaku** 1981 Aug; 18(7):961–5 **(Jpn)**

[Fundamental study and experimental observation of 'Amerlex Digoxin' (author's transl)] Ishikawa S, et al. **Radioisotopes** 1981 Dec;30(12):693–5 **(Jpn)**

[Radioimmunoassay of digoxin and methyldigoxin in serum by Amerlex Digoxin RIA kit (author's transl)] Yoshimura F, et al. **Radioisotopes** 1982 Apr;31(4):199–201 **(Jpn)**

[A fundamental study of the Amerlex Digoxin RIA kit (author's transl)] Yuda I, et al. **Radioisotopes** 1982 Apr; 31(4):202–4 **(Jpn)**

[Serum digoxin concentration in chronic pulmonary heart disease] Halawa B, et al. **Pol Tyg Lek** 1981 Oct 5; 36(40):1545–7 (Eng. Abstr.) **(Pol)**

[Serum digoxin level in right ventricular circulatory insufficiency] Halawa B, et al. **Wiad Lek** 1981 May 15; 34(10):805–9 (Eng. Abstr.) **(Pol)**

[Usefulness of serial determinations of blood digoxin in the management of cardiotonic therapy] Macarie C, et al. **Rev Med Interna [Med Interna]** 1982 Jan-Mar;34(1):43–54 (Eng. Abstr.) **(Rum)**

[Relations between pharmacokinetics and pharmacodynamics of digoxin] Kukes VG, et al. **Farmakol Toksikol** 1982 May-Jun;45(3):97–100 **(Rus)**

DIAGNOSTIC USE

[The effects of digoxin administration on normal and pathological sinus node function. An electrophysiological study (author's transl)] Bolognesi R, et al. **G Ital Cardiol** 1981;11(12):1895–1904 (Eng. Abstr.) **(Ita)**

IMMUNOLOGY

Anti-digoxin antibody in digoxin intoxication. Anderson D, et al. **Aust NZ J Med** 1981 Oct;11(5):480–3

High-affinity monoclonal antibodies to the cardiac glycoside, digoxin. Hunter MM, et al. **J Immunol** 1982 Sep; 129(3):1165–72

Antibody therapy of digoxin intoxication. Cohen SN. **Pediatrics** 1982 Sep;70(3):494

Massive digoxin poisoning treated with Fab fragments of digoxin-specific antibodies. Murphy DJ Jr, et al. **Pediatrics** 1982 Sep;70(3):472–3

Fab fragments of digoxin-specific antibodies used to reverse ventricular fibrillation induced by digoxin ingestion in a child. Zucker AR, et al. **Pediatrics** 1982 Sep;70(3):468–71

METABOLISM

Non-interaction of cimetidine with digoxin absorption. Jordaens L, et al. **Acta Clin Belg** 1981;36(2):109–10

Digoxin disposition in obesity: clinical pharmacokinetic investigation. Abernethy DR, et al. **Am Heart J** 1981 Oct; 102(4):740–4

Inhibition of digoxin absorption but not of digitoxin during cytostatic drug therapy. Kuhlmann J. **Arzneimittelforsch** 1982;32(6):698–704

Metabolism of digoxin and absorption site. Magnusson JO, et al. **Br J Clin Pharmacol** 1982 Aug;14(2):284–5

Effects of hypoxia on myocardial digoxin uptake and levels of plasma catecholamines in anaesthetised dogs. Saito K, et al. **Cardiovasc Res** 1981 Jul;15(7):421–4

Pharmacokinetics of metildigoxin and digoxin in geriatric patients with normal and elevated serum creatinine levels. Kaufmann B, et al. **Clin Pharmacokinet** 1981 Nov–Dec; 6(6):463–8

Digoxin bioavailability during quinidine administration. Hager WD, et al. **Clin Pharmacol Ther** 1981 Nov; 30(5):594–9

Maturation and renal digoxin clearance. Linday LA, et al. **Clin Pharmacol Ther** 1981 Dec;30(6):735–8

Clinical aspects of the digoxin–quinidine interaction. Pedersen KE. **Dan Med Bull** 1981 Aug;28(3):128–31

The long-term effect of verapamil on plasma digoxin concentration and renal digoxin clearance in healthy subjects. Pedersen KE, et al. **Eur J Clin Pharmacol** 1982; 22(2):123–7

Kinetics of the translactal passage of digoxin from breast feeding mothers to their infants. Reinhardt D, et al. **Eur J Pediatr** 1982 Feb;138(1):49–52

Digoxin distribution between plasma and myocardium in hypoxic and non–hypoxic dogs. Harron DW, et al. **Experientia** 1982 Jul 15;38(7):839–41

Extrarenal clearance, distribution volume, and elimination rate of digoxin and metildigoxin in anuric patients. Twittenhoff WD, et al. **Int J Clin Pharmacol Ther Toxicol** 1981 Sep;19(9):405–8

3H–digoxin distribution in the nervous system in ventricular tachycardia. Frazer G, et al. **J Cardiovasc Pharmacol** 1981 Nov–Dec;3(6):1296–305

Effect of quinidine on the digoxin receptor in vitro. Ball WJ Jr, et al. **J Clin Invest** 1981 Oct;68(4):1065–74

Impairment of digoxin clearance by coadministration of quinidine. Ochs HR, et al. **J Clin Pharmacol** 1981 Oct; 21(10):396–400

Quinidine and the non–renal elimination of digoxin. George CF, et al. **J Pharm Pharmacol** 1982 Apr;34(4):280

Investigation of digoxin, quinidine, and disopyramide interactions in rats utilizing parotid saliva, blood, and other tissues. DiGregorio GJ, et al. **J Pharm Sci** 1982 Feb; 71(2):211–3

Enhanced bioavailability of digoxin by gamma–cyclodextrin complexation. Uekama K, et al. **J Pharmacobiodyn** 1981 Sep;4(9):735–7

Pharmacokinetics of digoxin in the turkey and comparison with other species. Park E, et al. **J Pharmacokinet Biopharm** 1981 Jun;9(3):357–66

Evidence of nonlinearity in digoxin pharmacokinetics. Wagner JG, et al. **J Pharmacokinet Biopharm** 1981 Apr; 9(2):147–66

The development and application of a radioimmunoassay for dihydrodigoxin, a digoxin metabolite. Butler VP Jr, et al. **J Pharmacol Exp Ther** 1982 Apr;221(1):123–31

Effect of quinidine on the renal clearance of digoxin in the presence of low and high serum digoxin concentrations. Clohisy DR, et al. **J Pharmacol Exp Ther** 1982 Jul; 222(1):49–51

Effect of volume expansion and furosemide diuresis on the renal clearance of digoxin. Gibson TP, et al. **J Pharmacol Exp Ther** 1981 Oct;219(1):54–9

Impaired intestinal digoxin absorption in experimental chronic uremia. Wizemann V, et al. **Nephron** 1981; 28(6):297–9

Digoxin pharmacokinetics in premature infant. Hastreiter AR, et al. **Pediatr Pharmacol (New York)** 1982;2(1):23–31

Renal clearance of digoxin in premature neonates. Ng PK, et al. **Res Commun Chem Pathol Pharmacol** 1981 Nov; 34(2):207–16

[Effect of temperature on the kinetics of propranolol, theophylline, phenytoin and digoxin in rats (author's transl)] Albin H, et al. **J Pharmacol** 1981 Jul–Sep; 12(3):229–38 (Eng. Abstr.) **(Fre)**

[Use of digoxin in pregnancy. Dose–concentration, volume of distribution and elimination half–life [letter] Camsonne R, et al. **Nouv Presse Med** 1982 Jul 3;11(31):2359 **(Fre)**

[Appraisal of digitalis therapy (author's transl)] Marcus FI. **Therapie** 1982 Mar–Apr;37(2):181–96 (48 ref.) (Eng. Abstr.) **(Fre)**

[Pharmacokinetics of oral digoxin. Influence of congestive heart failure and age of patients (author's transl)] Scherrmann JM, et al. **Therapie** 1981 Mar–Apr;36(2):169–78 (Eng. Abstr.) **(Fre)**

[Biological availability of digoxin and beta–methyl–digoxin administered in the fasting state or after meals] Hess T, et al. **Schweiz Med Wochenschr** 1981 Sep 26; 111(39):1434–40 (Eng. Abstr.) **(Ger)**

[Beta–methyldigoxin and hepatic cirrhosis. Parallel study of the metabolism of digoxin in normal subjects and those with hepatic insufficiency] Curri G, et al. **Minerva Dietol Gastroenterol** 1981 Oct–Dec;27(4):513–20 (31 ref.) (Eng. Abstr.) **(Ita)**

[Effects of furosemide on the renal excretion of digoxin] Bugallo L, et al. **Arch Farmacol Toxicol** 1981 Apr; 7(1):139–42 **(Spa)**

PHARMACODYNAMICS

Failing effect of digoxin on myocardial uptake of violamycin B1. Hoffmann H, et al. **Acta Pharmacol Toxicol (Copenh)** 1981 Aug;49(2):98–101

Comparative electrophysiologic effects of digoxin in the nonsedated chronically instrumented puppy. Karpawich PP, et al. **Am Heart J** 1982 Jun;103(6):1001–7

Comparative hemodynamic effects of digoxin vs nitroprusside in conscious dogs with aortocaval fistula–induced chronic left ventricular volume overload and normal systolic performance. O'Rourke RA, et al. **Am Heart J** 1982 Apr;103(4 Pt 1):489–97

Digoxin–quinidine interaction [letter] Das G. **Am J Cardiol** 1982 Feb 1;49(2):495

Is there a clinically relevant interaction between quinine and digoxin in human beings? [letter] Doering W. **Am J Cardiol** 1981 Nov;48(5):975–6

Mechanism of additive effects of digoxin and quinidine on contractility in isolated cardiac muscle. Lash RE, et al. **Am J Cardiol** 1982 Sep;50(3):483–7

Digoxin–induced positive exercise tests: their clinical and prognostic significance. Sketch MH, et al. **Am J Cardiol** 1981 Oct;48(4):655–9

Effects of digoxin on myocardial oxygen supply and demand in patients following coronary artery bypass surgery. Sethna D, et al. **Anesthesiology** 1982 May;56(5):356–9

The digoxin–quinidine interaction. Doherty JE. **Annu Rev Med** 1982;33:163–70

The influence of the aminosulfonic acid taurine on the efficacy of digoxin and ouabain in the guinea–pig atrium. Knorr A, et al. **Arch Farmacol Toxicol** 1981 Dec; 7(3):291–306

Improvement of the toxic to inotropic dose ratio of digoxin by excluding central nervous system influences on the heart. Pace DG, et al. **Arch Int Pharmacodyn Ther** 1982 Jan;255(1):103–16

Systolic time intervals in chronic severe anaemia and effect of diuretic and digitalis. Warrier ER, et al. **Br Heart J** 1981 Jul;46(1):80–3

The early and late effects of digoxin treatment on the sodium transport, sodium content and Na+K+– ATPase or erythrocytes. Cumberbatch M, et al. **Br J Clin Pharmacol** 1981 Jun;11(6):565–70

Quinidine–digoxin interaction: cardiac efficacy of elevated serum digoxin concentration. Belz GG, et al. **Clin Pharmacol Ther** 1982 May;31(5):548–54

Digoxin does not alter plasma steroid levels in health men. Kley HK, et al. **Clin Pharmacol Ther** 1982 Jul;32(1):12–7

Potassium balance in piretanide and digoxin treatment. Muller FO, et al. **Clin Pharmacol Ther** 1982 Mar;31(3):339–42

Digoxin–verapamil interaction. Pedersen KE, et al. **Clin Pharmacol Ther** 1981 Sep;30(3):311–6

The kinetics of red blood cell electrolyte alterations following digoxin administration. A report of two pediatric cases. Loes MW, et al. **Dev Pharmacol Ther** 1981;3(1):50–4

Is the inotropic effect of digoxin maintained? An illustrative case report. Griffiths BE, et al. **Eur Heart J** 1982 Jun; 3(3):282–5

Pharmacodynamics of a single dose of quinidine during chronic digoxin treatment. A randomized double blind placebo and sparteine–controlled crossover study. Belz GG, et al. **Eur J Clin Pharmacol** 1982;22(2):117–22

Systolic time intervals during spironolactone treatment of digitalized and non–digitalized patients with ischaemic heart disease. Waldorff S, et al. **Eur J Clin Pharmacol** 1982; 21(4):269–73

The effect of digoxin on cardiovascular responses to hypoxia and reoxygenation in anesthetized dogs. Saito K, et al. **Eur J Pharmacol** 1982 May 21;80(2–3):237–42

Time course of the effects of single intravenous doses of digitoxin and digoxin in normal volunteers. Belz GG, et al. **J Cardiovasc Pharmacol** 1981 Sep–Oct;3(5):1116–25

Enhancement of the antiarrhythmic action of disopyramide by digoxin. García–Barreto D, et al. **J Cardiovasc Pharmacol** 1981 Nov–Dec;3(6):1236–42

Lack of interaction between digoxin and quinidine in cultured heart cells. Horowitz JD, et al. **J Pharmacol Exp Ther** 1982 Mar;220(3):488–93

Extracellular versus intracellular digoxin action on bovine myocardium, using a digoxin antibody and intracellular glycoside application. Hess P, et al. **J Physiol (Lond)** 1982 Jan;322:197–210

Pharmacokinetics and pharmacodynamics of intravenous digoxin and digitoxin. Ochs HR, et al. **Klin Wochenschr** 1981 Aug 17;59(16):889–97

Electrocardiograms of the month. Rubin IL, et al. **NY State J Med** 1982 Mar;82(3):333–4

The vaginal epithelium response to digoxin therapy in menopause. Kitzis–Cohen R, et al. **Panminerva Med** 1981 Jan–Mar;23(1):51–4

Study of the sensitivity of neonates to digoxin: contribution of erythrocyte 86rubidium uptake test. Zannad F, et al. **Pediatr Pharmacol (New York)** 1981;1(3):221–9

Effect of digoxin upon intracellular potassium in man. Ericsson F, et al. **Scand J Clin Lab Invest** 1981 Sep; 41(5):457–63

Effects of digoxin on exercise performance in normal subjects. Lee YT. **Taiwan I Hsueh Hui Tsa Chih** 1981 Jan; 80(1):78–92

[Quinidine–digoxin interaction (author's transl)] Doering W, et al. **Dtsch Med Wochenschr** 1981 Oct 16;106(42):1373–6 (Eng. Abstr.) **(Ger)**

[Age related changes in the pharmacodynamics and pharmacokinetics of digoxin (author's transl)] Korkuško OV, et al. **ZFA (Dresden)** 1981;36(5):393–9 (Eng. Abstr.) **(Ger)**

[Effect of digoxin, strophanthin and isolanid on oxygen absorption, oxidative phosphorylation and the amount of cytochromes in the myocardial mitochondria and their ATPase activity] Tsyganiĭ AA, et al. **Farmakol Toksikol** 1982 Jan–Feb;45(1):30–2 (Eng. Abstr.) **(Rus)**

[Clinical effects of digoxin in healthy subjects (letter)] Jiménez–Alonso J, et al. **Med Clin (Barc)** 1981 Jun 25; 77(2):85 **(Spa)**

POISONING

Forensic aspects of cardiac medications. Coe JI. **Am J Forensic Med Pathol** 1981 Dec;2(4):329–32

Anti–digoxin antibody in digoxin intoxication. Anderson D, et al. **Aust NZ J Med** 1981 Oct;11(5):480–3

Properties of agarose–encapsulated adsorbents. I. Adsorption of digoxin from human serum. Holloway CJ, et al. **Biomater Med Devices Artif Organs** 1981;9(3):167–80

Epileptiform seizures and electroencephalographic abnormalities as manifestations of digoxin toxicity. Kerr DJ, et al. **Br Med J [Clin Res]** 1982 Jan 16;284(6310):162–3

Erythromycin–induced digoxin toxicity [letter] Friedman HS, et al. **Chest** 1982 Aug;82(2):202

Cardiac arrest due to digitalis intoxication with normal serum digoxin levels: effects of hypokalemia. Gómez–Arnau J, et al. **Drug Intell Clin Pharm** 1982 Feb;16(2):160–1

Use of colestipol in a patient with digoxin intoxication. Payne VW, et al. **Drug Intell Clin Pharm** 1981 Nov;15(11):902–3

Suicidal digoxin poisoning: conventional treatment and antibody therapy. Hess T, et al. **Klin Wochenschr** 1982 Apr 15;60(8):401–5

Antibody therapy of digoxin intoxication. Cohen SN. **Pediatrics** 1982 Sep;70(3):494

Massive digoxin poisoning treated with Fab fragments of digoxin–specific antibodies. Murphy DJ Jr, et al. **Pediatrics** 1982 Sep;70(3):472–3

Fab fragments of digoxin–specific antibodies used to reverse ventricular fibrillation induced by digoxin ingestion in a child. Zucker AR, et al. **Pediatrics** 1982 Sep;70(3):468–71

[Chronic digoxin overdosage] Birkenhäger WH. **Ned Tijdschr Geneeskd** 1982 Feb 27;126(9):394–5 **(Dut)**

[Massive digitalis poisoning. Treatment by hemoperfusion on Amberlite XAD–4 resin] Gosselin B, et al. **Rev Med Interne** 1981 Oct;2(3):313–23 (Eng. Abstr.) **(Fre)**

THERAPEUTIC USE

Is maintenance digoxin necessary in geriatric patients? Boman K, et al. **Acta Med Scand** 1981;210(6):493–5

Intraerythrocytic sodium and potassium concentrations during acute and chronic digitalization. Pedersen KE, et al. **Acta Med Scand** 1982;211(5):335–9

Quinidine–digoxin interaction: time course and pharmacokinetics. Leahey EB Jr, et al. **Am J Cardiol** 1981 Dec;48(6):1141–6

Is digoxin really important in treatment of compensated heart failure? A placebo–controlled crossover study in patients with sinus rhythm. Fleg JL, et al. **Am J Med** 1982 Aug; 73(2):244–50

Digoxin, propranolol, and atrioventricular reentrant tachycardia in the Wolff–Parkinson–White syndrome. Hung JS, et al. **Ann Intern Med** 1982 Aug;97(2):175–82

Interactions with digoxin: more problems [editorial] George CF. **Br Med J [Clin Res]** 1982 Jan 30;284(6312):291–2

Maintenance of the inotropic effect of digoxin on long–term treatment. Griffiths BE, et al. **Br Med J [Clin Res]** 1982 Jun 19;284(6332):1819–22

Evaluation of digitalis in cardiac failure. Murray RG, et al. **Br Med J [Clin Res]** 1982 May 22;284(6328):1526–8

Acute and chronic pharmacodynamic interaction of verapamil and digoxin in atrial fibrillation. Schwartz JB, et al. **Circulation** 1982 Jun;65(6):1163–70

Hemodynamic effects of digoxin in acute myocardial infarction. Marchionni N, et al. **Eur Heart J** 1980 Oct; 1(5):319–26

The quinidine–digoxin interaction. Bigger JT Jr. **Int J Cardiol** 1981;1(2):109–16 (31 ref.)

Digoxin use in the elderly. Stults BM. **J Am Geriatr Soc** 1982 Mar;30(3):158–64 (77 ref.)

Medical management of congestive heart failure in a horse. Brumbaugh GW, et al. **J Am Vet Med Assoc** 1982 Apr 15;180(8):878–83

Migraine: effect of digoxin [letter] Johansson BW. **J R Soc Med** 1982 Mar;75(3):215–6

Techniques for studying the pharmacodynamic effects of cardiac glycosides on patients' own erythrocytes during glycoside therapy. Aronson JK, et al. **Klin Wochenschr** 1981 Dec 15;59(24):1323–32

Drug action in elderly patients: a series of profiles. Pattee J, et al. **Minn Med** 1982 Mar;65(3):195–6

Value of digitalis in heart failure [letter] **N Engl J Med** 1982 Sep 2;307(10):625–7

Heart failure in outpatients: a randomized trial of digoxin versus placebo. Lee DC, et al. **N Engl J Med** 1982 Mar 25;306(12):699–705

[Is prolonged digoxin therapy necessary in sinus rhythm?]

Hartling L, et al. **Ugeskr Laeger** 1982 Jan 18;144(3):145–6 (Eng. Abstr.) **(Dan)**

[No advantages of acetyldigoxin and methyldigoxin compared to digoxin] Kuhlmann J. **Dtsch Med Wochenschr** 1982 May 28;107(21):831–3 (39 ref.) **(Ger)**

[Heart failure. Are patients after successful recompensation with digoxin alone treated adequately?] Krepp HP, et al. **ZFA (Stuttgart)** 1982 Jun 30;58(18):1025–7 **(Ger)**

[Digoxin—new views] Herzeano H, et al. **Harefuah** 1981 Jul; 101(1–2):38–9 **(Heb)**

[Digoxin–quinidine and digoxin–amiodarone interactions. Effects on blood levels of the cardioactive glycoside] Achilli A, et al. **G Ital Cardiol** 1981;11(7):918–25 (Eng. Abstr.) **(Ita)**

[Another type of interaction between blood levels of digitalis and anti–arrhythmic drugs: digoxin and amiodarone. Experience with long–term therapy] Furlanello F, et al. **G Ital Cardiol** 1982;11(11):1725–8 (Eng. Abstr.) **(Ita)**

[Behaviour of serum CPK curves in acute myocardial infarction treated with digitalis, verapamil and combined verapamil–digitalis (author's transl)] Vincenzi M, et al. **G Ital Cardiol** 1981;11(7):908–17 (Eng. Abstr.) **(Ita)**

TOXICITY

Cardiac arrhythmias after administration of digoxin through intravenous, intra–cerebroventricular and combined routes. An experimental study. Misra NP, et al. **Indian Heart J** 1981 Mar–Apr;33(2):56–8

Role of central cholinergic and histaminergic receptors in central cardiovascular actions of digoxin. Tripathi KD, et al. **Indian J Med Res** 1982 Jan;75:130–5

Cardiac toxicity of digoxin in newborn and adult rats. Weinhouse E, et al. **Pediatr Pharmacol (New York)** 1980; 1(2):97–103

URINE

A routine method for the determination of digoxin in urine by radioimmunoassay. Christenson RH, et al. **Clin Chim Acta** 1982 Mar 26;120(1):13–9

Lack of difference in digoxin urinary excretion with two intravenous infusion rates. Lindenbaum J, et al. **Clin Pharmacol Ther** 1981 Sep;30(3):317–20

Digoxin transport in the distal nephron of rats during saline diuresis. Kauker ML. **Proc Soc Exp Biol Med** 1981 Oct; 168(1):5–9

DIHYDRALAZINE see under **HYDRALAZINE**

DIHYDRO–BETA–ERYTHROIDINE see under **ALKALOIDS**

DIHYDROALPRENOLOL see under **ALPRENOLOL**

DIHYDROCHOLESTEROL see under **CHOLESTEROL**

DIHYDRODIETHYLSTILBESTROL see **HEXESTROL**

DIHYDROERGOCORNINE see under **DIHYDROERGOTOXINE**

DIHYDROERGOCRISTINE see under **DIHYDROERGOTOXINE**

DIHYDROERGOCRYPTINE see under **DIHYDROERGOTOXINE**

DIHYDROERGOTAMINE

ADMINISTRATION & DOSAGE

Dihydroergotamine in idiopathic orthostatic hypotension: short–term intramuscular and long–term oral therapy. Fouad FM, et al. **Clin Pharmacol Ther** 1981 Dec; 30(6):782–9

[New method of medicinal treatment of cardiospasm] Tikholov K. **Vutr Boles** 1982;21(2):60–5 **(Bul)**

[Dihydergot plus – 12–hour action in orthostatic disturbance and hypotension] Schardt F, et al. **Ther Ggw** 1982 Jan; 121(1):26–36 **(Ger)**

[Therapeutic advances in thromboembolic disease. I. Dihydroergotamine + heparin] de Diego I, et al. **Sangre (Barc)** 1981;26(4):471–83 (58 ref.) **(Spa)**

ADVERSE EFFECTS

Ergotism and heparin–dihydroergotamine]letter] Kakkar VV. **Lancet** 1982 Jul 10;2(8289):96–7

Ergotism and heparin–dihydroergotamine prophylaxis [letter] Krupp P, et al. **Lancet** 1982 Jun 5;1(8284):1302

Ergotism leading to threatened limb amputation or to death in two patients given heparin–dihydroergotamine prophylaxis [letter] van den Berg E, et al. **Lancet** 1982 Apr 24;1(8278):955–6

Vascular spasm during thromboembolism prophylaxis with heparin–dihydroergotamine [letter] van den Berg E, et al. **Lancet** 1982 Jul 31;2(8292):268–9

[Acute ergotism caused by the interaction of erythromycin propionate and dihydroergotamine (letter)] Neveux E, et al. **Nouv Presse Med** 1981 Sep 26;10(34):2830 **(Fre)**

[Ergotism—an important complication of drug thromboembolism prevention (letter)] Krupp P, et al. **Dtsch Med Wochenschr** 1982 Jan 8;107(1):36 **(Ger)**

[Ergotism—a severe complication of drug prevention of thromboembolism (letter)] van den Berg E, et al. **Dtsch Med Wochenschr** 1982 May 7;107(18):716–8 **(Ger)**

[Peripheral gangrene following iatrogenic ergotism (letter)] Pigrau Serrallach C, et al. **Med Clin (Barc)** 1981 Jun 25; 77(2):85–6 **(Spa)**

ANALOGS & DERIVATIVES

[Therapy of hypotonic cardiovascular regulation disorders with amezinium (Regulton) and dihydroergotamine] Bückert C. **Fortschr Med** 1981 Aug 13;99(30):1202–6 **(Ger)**

[Comparative responsiveness of isolated saphenous, femoral and external carotid arteries and veins of dogs to dihydroergotamine mesylate (DEM) (author's transl)] Fukawa K, et al. **Nippon Yakurigaku Zasshi** 1981 Sep; 78(3):223–30 (Eng. Abstr.) **(Jpn)**

[Effects of dihydroergotamine mesylate (DEM) on the cardiovascular and nervous systems (author's transl)] Fukawa K, et al. **Nippon Yakurigaku Zasshi** 1982 Mar; 79(3):225–36 (Eng. Abstr.) **(Jpn)**

BLOOD

Quantitative thin–layer chromatographic determination of dihydroergot alkaloids. Riedel E, et al. **J Chromatogr** 1982 May 14;229(2):417–23

DIAGNOSTIC USE

[The dihydroergotamine test. Comparative electrocardiographic studies in elderly patients] Grosso F, et al. **Minerva Med** 1981 Nov 24;72(47):3177–80 **(Ita)**

METABOLISM

Bioavailability of dihydroergotamine in man. Little PJ, et al. **Br J Clin Pharmacol** 1982 Jun;13(6):785–90

Low oral bioavailability of dihydroergotamine and first–pass extraction in patients with orthostatic hypotension. Bobik A, et al. **Clin Pharmacol Ther** 1981 Nov;30(5):673–9

[Pharmacokinetics of dihydroergotamine in patients with chronic liver disease (author's transl)] **Labayle D**, et al. **Gastroenterol Clin Biol** 1982 Feb;6(2):129–34 (Eng. Abstr.) **(Fre)**

[Comparative pharmacokinetics and relative bioavailability of the active principles diazepam, acetylsalicylic acid, caffeine, and dihydroergotamine tartrate in a combination product] Degen J, et al. **Arzneimittelforsch** 1982; 32(3):289–93 (Eng. Abstr.) **(Ger)**

PHARMACODYNAMICS

Cardiovascular effects of amezinium in humans during passive upright tilt in comparison with norfenefrine and dihydroergotamine. Wilsmann K, et al. **Arzneimittelforsch** 1981;31(9a):1647–52

Cardiovascular response to spinal anaesthesia in elderly men: effects of head–up tilt and dihydroergotamine administration. Bergenwald L, et al. **Clin Physiol** 1981 Oct; 1(5):453–60

Dual effect of dihydroergotamine and dihydroergotoxin in isolated human femoral veins and arteries. Glusa E, et al. **Pharmacology** 1982;24(5):287–93

Cardiovascular effects of dihydroergotamine during epidural anaesthesia in dogs. Zimpfer M, et al. **Pharmacology** 1981; 23(6):305–9

The influence of drugs on disseminated intravascular coagulation (DIC). V. Effects of alpha–adrenoceptor blocking agents on thrombin–induced DIC in rats. Nowak G, et al. **Thromb Res** 1981 May 15;22(4):417–25

[Influence of the venous wall—platelet interaction by dihydroergotamine (author's transl)] Silberbauer K, et al. **Wien Klin Wochenschr** 1981 Oct 2;93(18):577–9 (Eng. Abstr.) **(Ger)**

THERAPEUTIC USE

Prevention and treatment of early postoperative deep vein thrombosis in africans: a Nigerian experience with dihydroergotamine mesylate. Ofoegbu RO, et al. **Angiology** 1981 Dec;32(12):812–8

Prevention of fatal postoperative pulmonary embolism by heparin dihydroergotamine or Dextran 70. Gruber UF. **Br J Surg** 1982 Jun;69 Suppl:S54–8

Acetylsalicylic acid in combination with dihydroergotamine for preventing thromboembolism. Zekert F, et al. **Haemostasis** 1982;11(3):149–53

[The value of the treatment of post–radiotherapy hyposialorrhoea by dihydroergotamine (author's transl)] Bourguet J, et al. **Ann Otolaryngol Chir Cervicofac** 1981; 98(6):309–15 (Eng. Abstr.) **(Fre)**

[Prevention of thrombo–embolic disease: current approach (author's transl)] Kakkar VV. **J Mal Vasc** 1981;6(4):245–50 (Eng. Abstr.) **(Fre)**

[Prevention of venous thrombosis in recent ischaemic cerebrovascular accident: double–blind study with heparin–dihydroergotamine (author's transl)] Czechanowski B, et al. **Dtsch Med Wochenschr** 1981 Sep 25;106(39):1254–60 (Eng. Abstr.) **(Ger)**

[Therapeutic aspects of orthostatic dysfunction] Rieckert H. **Med Klin [Prax]** 1982 Feb 26;77(5):48–52 (Eng. Abstr.) **(Ger)**

[Thromboembolism prophylaxis with reduced bleeding risk. Trials with heparin–dihydroergot 2500] Koppenhagen K, et al. **Med Welt** 1981 Jun 19;32(25):1021–2 **(Ger)**

[Heparin–dihydergot or heparin alone in thrombosis prophylaxis?] Koppenhagen K, et al. **Med Welt** 1982 Feb 12;33(6):216–23 **(Ger)**

[Improvement of venous insufficiency with oral dehydroergotamine] Partsch H. **Med Welt** 1981 Oct 30; 32(44):1668–71 **(Ger)**

[Chronic venous insufficiency. Mechanical or drug compression?] Wiemers U, et al. **Z Gesamte Inn Med** 1982 Jan 1;37(1):29–31 (Eng. Abstr.) **(Ger)**

[The effect of Ditamin on vascular headache and associated neurovascular disorders] Jovičić A, et al. **Vojnosanit Pregl** 1982 Jan–Feb;39(1):32–6 **(Scr)**

DIHYDROERGOTOXINE

ADMINISTRATION & DOSAGE

Operant behaviour of rats after aminophylline and DH–ergotoxin in interaction with catecholamines. Tikal K. **Act Nerv Super (Praha)** 1981 Dec;23(4):319–20

Comparison of the bioavailability of Redergin tablets (1.0 mg) and Redergin solution. Kopitar Z, et al. **Int J Clin Pharmacol Ther Toxicol** 1982 Mar;20(3):134–8

[Induction of labor with the use of synthetic oxytocin associated with dihydroergotamine methanesulfonate (DHE 45)] Grio R, et al. **Minerva Ginecol** 1981 Sep; 33(9):793–6 **(Ita)**

[Effect of a single dose of dihydroergotoxine on the growth hormone level in acromegaly] Kolodziej–Maciejewska H. **Endokrynol Pol** 1981 Jul–Aug;32(4):309–14 (Eng. Abstr.) **(Pol)**

[New method of treatment of rosacea with metronidazole and Anavenol or Venacorn] Malaszyńska–Olkiewicz E, et al. **Przegl Dermatol** 1981 May–Jun;68(3):395–8 (Eng. Abstr.) **(Pol)**

BLOOD

The binding characteristics of [3H]–dihydroergocryptine on intact human platelets. Elliott JM, et al. **Br J Pharmacol** 1982 May;76(1):121–30

Comparative blood level of dihydroergotoxine (DHET) after administration of two oral forms (solution & tablet): a preliminary study. Aliache JM, et al. **Eur J Drug Metab Pharmacokinet** 1981;6(3):221–4

Determination of dihydroergot alkaloids in serum by radioimmunoassay. Inada S, et al. **Radioisotopes** 1982 Apr; 31(4):190–4

DIAGNOSTIC USE

Enhanced renal sympathetic tone in liver cirrhosis: evaluation by intrarenal administration of dihydroergocristine. Gatta A, et al. **Nephron** 1982;30(4):364–7

METABOLISM

Binding of [3H]–prazosin and [3H]–dihydroergocryptine to rat cardiac alpha–adrenoceptors. Guicheney P, et al. **Br J Pharmacol** 1981 May;73(1):33–9

Binding of [3H]dihydroergocryptine to an alpha–adrenergic site in the stalk median eminence of the steer. Chen HT, et al. **Endocrinology** 1981 Dec;109(6):2138–43

Aminergic receptors in Drosophila melanogaster: properties of [3H]dihydroergocryptine binding sites. Dudai Y, et al. **J Neurochem** 1982 Jun;38(6):1551–8

PHARMACODYNAMICS

Behavioral and neurochemical effects of hydergine in rats. Copeland RL Jr, et al. **Arch Int Pharmacodyn Ther** 1981 Jul;252(1):113–23

Effects of dihydroergotoxine methane sulphonate (Redergine) on sleep in cats deprived of paradoxical sleep. Sušić V, et al. **Arch Int Physiol Biochim** 1981 Dec; 89(5):411–5

Rapid communication the activating activity of vincamine, piracetam, and hydergine on the activity of the noradrenergic neurons of the locus coeruleus. Olpe HR, et al. **Behav Neural Biol** 1981 Oct;33(2):249–51

Regulation of adrenergic stimulation of hepatic adenylate cyclase by divalent cations. Jackowski MM, et al. **Biochim Biophys Acta** 1982 Jan 12;714(1):74–83

Effects of centrophenoxine, piracetam and hydergine on rat brain lipid peroxidation. Jamieson DD, et al. **Experientia** 1981;37(8):879–81

Dihydroergotoxine and the Seizure Threshold. Peričić D. **Int Pharmacopsychiatry** 1981;16(1):10–20

Actions of co–dergocrine mesylate and its components at vascular smooth muscle. Müller–Schweinitzer E. **Naunyn Schmiedebergs Arch Pharmacol** 1982 Feb; 318(3):225–33

Dual effect of dihydroergotamine and dihydroergotoxin in isolated human femoral veins and arteries. Glusa E, et al. **Pharmacology** 1982;24(5):287–93

[Effect of piracetam and dihydroergotoxine on the release of dopamine from the corpus striatum of the rat] Wustmann C, et al. **Acta Biol Med Ger** 1980;39(8–9):383–5 **(Ger)**

THERAPEUTIC USE

Hydergine in senile mental impairment. Loew DM, et al. **Gerontology** 1982;28(1):54–74 (76 ref.)

Reversal of anisomycin-induced amnesia by the ergot derivative hydergine. Judge ME, et al. **Neurosci Lett** 1981 Jul 17;24(3):313–7

Hydergine as an emetic for dogs. Cahill JI, et al. **NZ Vet J** 1981 Aug;29(8):133–4

Co-dergocrine (hydergine) in the treatment of tardive dyskinesia. Rastogi SC, et al. **Psychol Med** 1982 May; 12(2):427–9

[Crystepin CH. A multi-centre trial of an antihypertensive drug (author's transl)] Mayer O, et al. **Cas Lek Cesk** 1981 Aug 27;120(34):1030–7 (Eng. Abstr.) **(Cze)**

[Experimental electropharmacologic studies of cerebral ischemia (author's transl)] Depoortere H. **Rev Electroencephalogr Neurophysiol Clin** 1981 Jul–Sep; 10(3):207–14 (Eng. Abstr.) **(Fre)**

[On the meaning of psychometrically operationalized therapeutic effects in the treatment of brain insufficiency phenomena caused by old age demonstrated by the 'Nürnberger-Alters-Inventar' (author's transl)] Oswald WD, et al. **Arzneimittelforsch** 1982;32(5):584–90 (Eng. Abstr.) **(Ger)**

[Hypertension therapy with Briserin: what role do dihydroergocristine components play?] Schardt F, et al. **Med Klin** 1981 Dec 18;76(26):746–52 (Eng. Abstr.) **(Ger)**

DIHYDROFOLATE REDUCTASE see **TETRAHYDROFOLATE DEHYDROGENASE**

DIHYDROHOMOFOLIC ACID see under **HOMOFOLIC ACID**

DIHYDROLIPOAMIDE DEHYDROGENASE see **LIPOAMIDE DEHYDROGENASE**

DIHYDROMORPHINE see under **MORPHINE DERIVATIVES**

DIHYDROMORPHINONE

Compatibility of hydromorphone hydrochloride in large-volume parenterals. Cutie MR, et al. **Am J Hosp Pharm** 1982 Feb;39(2):307–8

Doctors & drug abusers. Gallinatti JJ. **J Indiana State Med Assoc** 1982 Mar;75(3):168

ANALOGS & DERIVATIVES

Increased biological activity of dimers of oxymorphone and enkephalin: possible role of receptor crosslinking. Hazum E, et al. **Biochem Biophys Res Commun** 1982 Jan 15; 104(1):347–53

Irreversible opiate agonists and antagonists: the 14-hydroxydihydromorphinone azines. Hahn EF, et al. **J Neurosci** 1982 May;2(5):572–6

ANALYSIS

Hydromorphone detected in bile following hydrocodone ingestion. Park JI, et al. **J Forensic Sci** 1982 Jan;27(1):223–4

DIHYDROOLEIC ACIDS see **STEARIC ACIDS**

DIHYDRO-OROTASE see under **AMIDOHYDROLASES**

DIHYDRO-OROTATE OXIDASE see under **OXIDOREDUCTASES**

DIHYDROPROGESTERONE see under **PROGESTERONE**

DIHYDROPTERIDINE REDUCTASE see under **NADH, NADPH OXIDOREDUCTASES**

DIHYDROPTEROATE SYNTHASE see under **TRANSFERASES**

DIHYDROSTREPTOMYCIN

ADMINISTRATION & DOSAGE

Effect of combined antibiotic therapy on fertility in brood bitches infected with Brucella canis. Johnson CA, et al. **J Am Vet Med Assoc** 1982 Jun 1;180(11):1330–3

CHEMICAL SYNTHESIS

Synthesis of 3'-epi-dihydrostreptomycin active against resistant bacteria. Tsuchiya T, et al. **J Antibiot (Tokyo)** 1982 May;35(5):639–41

PHARMACODYNAMICS

Effect of dihydrostreptomycin on active transport in isolated bacterial membrane vesicles. Eagon RG, et al. **Antimicrob Agents Chemother** 1982 May;21(5):844–5

THERAPEUTIC USE

Joint ill in a seven-day-old foal. Nyack B, et al. **VM SAC** 1981 May;76(5):739–41

DIHYDROTACHYSTEROL

BLOOD

Serum concentrations of dihydrotachysterol-2 in the treatment of osteoporosis and hypoparathyroidism. Bosch R, et al. **Clin Endocrinol (Oxf)** 1982 Mar;16(3):295–301

THERAPEUTIC USE

Predictive value of 99mTc pyrophosphate bone scintigraphy for vitamin D trials in uraemia. Vanherweghem JL, et al. **Proc Eur Dial Transplant Assoc** 1981;18:648–51

[Prevention and therapy of regulatory hyperparathyroidism in kidney patients] Koall W, et al. **Z Gesamte Inn Med** 1982 Apr 1;37(7):197–201 (Eng. Abstr.) **(Ger)**

[Effect of dihydrotachysterol in the treatment and prevention of uremic osteopathy in children] Sieniawska M, et al. **Pediatr Pol** 1981 Jul;56(7):733–41 (Eng. Abstr.) **(Pol)**

DIHYDROTESTOSTERONE see **STANOLONE**

DIHYDROXYACETONE see under **TRIOSES**

DIHYDROXYACETONE PHOSPHATE see under **TRIOSES**

M-DIHYDROXYBENZENES see **RESORCINOLS**

O-DIHYDROXYBENZENES see **CATECHOLS**

P-DIHYDROXYBENZENES see **HYDROQUINONES**

DIHYDROXYBUTANES see **BUTANEDIOLS**

1 ALPHA,25-DIHYDROXYCHOLECALCIFEROL see **CALCITRIOL**

1,25-DIHYDROXYCHOLECALCIFEROL see **CALCITRIOL**

DIHYDROXYCHOLECALCIFEROLS see under **HYDROXYCHOLECALCIFEROLS**

DIHYDROXYETHANES see **ETHYLENE GLYCOLS**

3,4-DIHYDROXYPHENYLACETIC ACID see under **PHENYLACETATES**

DIHYDROXYPHENYLALANINE see **DOPA**

3,4-DIHYDROXYPHENYLSERINE see under **SERINE**

DIHYDROXYPHENYLVALERAMIDE see under **AMIDES**

DIHYDROXYPREGNADIENES see **PREGNADIENEDIOLS**

DIHYDROXYPROGESTERONE ACETOPHENIDE see **ALGESTONE ACETOPHENIDE**

5,6-DIHYDROXYTRYPTAMINE

Serotoninergic axon terminals in the rat dorsal accessory olive: normal ultrastructure and light microscopic demonstration of regeneration after 5,6-dihydroxytryptamine lesioning. Wiklund L, et al. **J Neurocytol** 1981 Dec;10(6):1009–27

METABOLISM

Density of amine accumulating neurons in rabbit and guinea-pig retina. Ehinger B, et al. **Acta Physiol Scand** 1981 May;112(1):111–2

New dopaminergic and indoleamine-accumulating cells in the growth zone of goldfish retinas after neurotoxic destruction. Negishi K, et al. **Science** 1982 May 14; 216(4547):747–9

PHARMACODYNAMICS

Cardiovascular functions of brain serotonergic neurons in the rabbit as analysed from the acute and chronic effects of 5,6-dihydroxytryptamine. Head GA, et al. **J Cardiovasc Pharmacol** 1982 May-Jun;4(3):398–408

Changes in sensitivity to intrathecal norepinephrine and serotonin after 6-hydroxydopamine (6-OHDA), 5,6-dihydroxytryptamine (5,6-DHT) or repeated monoamine administration. Howe JR, et al. **J Pharmacol Exp Ther** 1982 Feb;220(2):311–21

Functional recuperation of the serotoninergic innervation in the rat locus coeruleus. McRae-Degueurce A, et al. **J Physiol (Paris)** 1981;77(2-3):389–92

The effects of monoamine neurotoxins on peptides in the rat spinal cord. Gilbert RF, et al. **Neuroscience** 1982 Jan; 7(1):69–87

5,7-DIHYDROXYTRYPTAMINE see under **DIHYDROXYTRYPTAMINES**

DIHYDROXYTRYPTAMINES

DIAGNOSTIC USE

Improved immunohistochemical visualization of central serotonin nerves after loading with 5,7-dihydroxytryptamine. Howe PR, et al. **Neurosci Lett** 1982 Mar 17;29(1):1–6

PHARMACODYNAMICS

Ultrastructure of the regenerating growth cones of catecholamine nerve terminals in rat hypothalamic nuclei after 5,7-dihydroxytryptamine administration. Chiba T, et al. **Brain Res** 1982 Apr 29;238(2):407–12

Enhancement of footshock-induced analgesia by spinal 5,7-dihydroxytryptamine lesions. Hutson PH, et al. **Brain Res** 1982 Apr 15;237(2):367–72

Failure of spinal cord serotonin depletion to alter analgesia elicited from the periaqueductal gray. Johannessen JN, et al. **Brain Res** 1982 Apr 15;237(2):373–86

Failure to produce blood pressure changes following pharmacological or surgical depletion of brain serotonin in the spontaneously hypertensive rat. Browning RA, et al. **Clin Exp Hypertens** 1981;3(5):953–73

Pharmacological evidence of supersensitivity of central serotonergic receptors involved in the control of prolactin secretion. Quattrone A, et al. **Eur J Pharmacol** 1981 Nov 19;76(1):9–13

Biochemical evidence for alteration of neostriatal dopaminergic function by 5,7-dihydroxytryptamine. Liston DR, et al. **J Neurochem** 1982 May;38(5):1329–35

Serotonin neurotoxins: recent advances in the mode of administration and molecular mechanism of action. Baumgarten HG, et al. **J Physiol (Paris)** 1981; 77(2-3):309–14

Responsiveness of cortical neurons to serotonin after 5,7-DHT denervation or PCPA depletion. Ferron A, et al. **J Physiol (Paris)** 1981;77(2-3):381–4

Serotonergic denervation partially protects rat striatum from kainic acid toxicity. Berger M, et al. **Nature** 1982 Sep 16; 299(5880):254–6

The effects of monoamine neurotoxins on peptides in the rat spinal cord. Gilbert RF, et al. **Neuroscience** 1982 Jan; 7(1):69–87

Serotonin analog selectively ablates indentified neurons in the leech embryo. Glover JC, et al. **Science** 1982 Apr 16; 216(4543):317–9

[Effects of intraventricular injection of 5,7-dihydroxytryptamine on monoamines and sleep in the kitten (author's transl)] Adrien J, et al. **J Physiol (Paris)** 1981;77(2-3):425–30 (Eng. Abstr.) **(Fre)**

1 ALPHA,25-DIHYDROXYVITAMIN D3 see **CALCITRIOL**

1,25-DIHYDROXYVITAMIN D3 see **CALCITRIOL**

DIIODOHYDROXYQUIN

PHARMACODYNAMICS

Diodoquin and linoleic acid absorption in zinc deficiency [letter] Cunnane SC. **Am J Clin Nutr** 1981 Sep;34(9):1982

THERAPEUTIC USE

[Contramibial. Importance in amebiasis and other protozoosis] Cadi Soussi M, et al. **Maroc Med** 1980 Dec; 2(4):427–32 (Eng. Abstr.) **(Fre)**

DIIODOHYDROXYQUINOLIN see **DIIODOHYDROXYQUIN**

DIIODOTHYRONINES see under **THYRONINES**

DIIODOTYROSINE

BLOOD

Circulating diiodotyrosine: studies of its serum concentration, source, and turnover using radioimmunoassay after immunoextraction. Meinhold H, et al. **J Clin Endocrinol Metab** 1981 Dec;53(6):1171–8

CHEMICAL SYNTHESIS

A novel synthesis of 3,5-diiodotyrosine with iodic acid. Liu W, et al. **Anal Biochem** 1982 Feb;120(1):204–7

METABOLISM

[Effectors and products of enzymatic diiodotyrosine deiodination by a plasmatic fraction from pig liver] Hartmann K, et al. **Acta Biol Med Ger** 1981;40(3):265–74 (Eng. Abstr.) **(Ger)**

PHARMACODYNAMICS

Involvement of selection and amplification mechanisms in hormone receptor development in a unicellular model system. Csaba G, et al. **Biosystems** 1982;15(1):59–63

The role of iodide and of free diiodotyrosine in enzymatic and non-enzymatic thyroid hormone synthesis. Virion A, et al. **Eur J Biochem** 1981 Aug;118(2):239–45

DIISOPROPYLFLUOROPHOSPHATE see **ISOFLUROPHATE**

2,3-DIKETOGULONIC ACID see under **SUGAR ACIDS**

DIKETOPREGNANES see **PREGNANEDIONES**

DIKETOPREGNENES see **PREGNENEDIONES**

DILATATION

Atrial myxoma with coronary aneurysmal dilatation [letter] Farah MG. **Am J Cardiol** 1981 Oct;48(4):809-10

The safety of combined endoscopy, biopsy and dilation in esophageal strictures. Barkin JS, et al. **Am J Gastroenterol** 1981 Jul;76(1):23-6

Results of conservative treatment of benign esophageal strictures: a follow-up study in 100 patients. Wesdorp IC, et al. **Gastroenterology** 1982 Mar;82(3):487-93

Oesophageal self-bougienage [letter] Gilmore IT, et al. **Lancet** 1982 Mar 13;1(8272):620-1

ADVERSE EFFECTS

Complications of esophageal dilation and guidelines for their prevention. Tulman AB, et al. **Gastrointest Endosc** 1981 Nov;27(4):229-34 (43 ref.)

INSTRUMENTATION

Railroad dilators. Ambike VS. **Br J Urol** 1982 Feb;54(1):66

A bifurcated silicone rubber stent for relief of tracheobronchial obstruction. Westaby S, et al. **J Thorac Cardiovasc Surg** 1982 Mar;83(3):414-7

Endoscopic papillary dilatation, a possible alternative to endoscopic papillotomy [letter] Staritz M, et al. **Lancet** 1982 Jun 5;1(8284):1306-7

Silastic surgical stent and dilator for use with the Singer-Blom voice restoration procedure. Ossoff RH, et al. **Otolaryngol Head Neck Surg** 1982 Mar-Apr;90(2):223-5

An improved dilator system for percutaneous nephrostomies. Rusnak B, et al. **Radiology** 1982 Jul;144(1):174

METHODS

Enlarging the bowel lumen for the EEA stapler. Minichan DP Jr. **Dis Colon Rectum** 1982 Jan-Feb;25(1):61

Pneumatic dilation under general anesthesia after unsuccessful cardiomyotomy for achalasia. Gelfand MD, et al. **J Clin Gastroenterol** 1979 Dec;1(4):317-9

Early development of the neorectum by balloon dilations after ileoanal anastomosis. Telander RL, et al. **J Pediatr Surg** 1981 Dec;16(6):911-6

Iatrogenic ureteral obstruction treated with balloon dilation. Reimer DE, et al. **J Urol** 1981 Nov;126(5):689-90

Percutaneous balloon valvuloplasty: a new method for treating congenital pulmonary-valve stenosis. Kan JS, et al. **N Engl J Med** 1982 Aug 26;307(9):540-2

Echocardiographically assisted balloon atrial septostomy. Perry LW, et al. **Pediatrics** 1982 Sep;70(3):403-8

Balloon dilatation of a ureteropelvic junction obstruction. Kadir S, et al. **Radiology** 1982 Apr;143(1):263-4

A technique for percutaneous dilatation of nephrostomy tracks. Mazzeo VP Jr, et al. **Radiology** 1982 Jul; 144(1):175-6

[Endoluminal arterial dilatation. Complementary or competitive method with iliac endarterectomy? (author's transl)] Descotes J, et al. **Chirurgie** 1981;107(3):224-8 (Eng. Abstr.) **(Fre)**

[Percutaneous transhepatic dilatation of Vater's papilla in choledocholithiasis] Pfeifer KJ, et al. **Internist (Berlin)** 1982 Mar;23(3):166-7 **(Ger)**

DILATATION AND CURETTAGE

Diagnostic value of ultrasound scanning and curettage in ectopic pregnancy. A prospective controlled trial. Legarth J, et al. **Acta Obstet Gynecol Scand** 1982;61(2):107-11

Amount of tissue evacuated by vacuum aspiration in therapeutic abortions. Rasmussen P. **Acta Obstet Gynecol Scand** 1981;60(5):475-9

Dilation and curettage for abnormal bleeding [letter] Hemsell DL. **Am J Obstet Gynecol** 1982 Sep 1;144(1):114-5

Low-dose vaginal 15 methyl prostaglandin F2 alpha for cervical dilatation prior to vacuum curettage abortion. Niloff JM, et al. **Am J Obstet Gynecol** 1982 Mar 1; 142(5):596-7

Toward a chronopsy: Part III. Automatic monitoring of rectal, axillary and breast surface temperature and of wrist activity; effects of age and of ambulatory surgery followed by nosocomial infection. Halberg E, et al. **Chronobiologia** 1981 Jul-Sep;8(3):253-71

Intravaginal administration of 9-deoxo-9-methylene-16,16-dimethyl PGE2 for cervical dilation prior to suction curettage. Shapiro AG, et al. **Int J Gynaecol Obstet** 1982 Apr;20(2):137-40

Post-hysterectomy morbidity after previous punch cervical biopsy plus diagnostic curettage. Coutifaris B, et al. **Int Surg** 1979 Aug-Oct;64(5):65-7

Should dilatation and curettage be performed routinely at the time of laparoscopy? Grimes DA, et al. **J Reprod Med** 1982 Apr;27(4):213-6

Clinical experience with use of a jet injector for paracervical blocks in office practice. Kovacs AD. **Obstet Gynecol** 1982 Mar;59(3):373-4

A comparison of endometrial sampling with the Accurette and Vabra aspirator and uterine curettage. Goldberg GL, et al. **S Afr Med J** 1982 Jan 23;61(4):114-6

[Results of the cytological examinations of cells from the uterine cavity (author's transl)] Clocuh YP, et al. **Geburtshilfe Fraunheilkd** 1982 Jan;42(1):39-42 (Eng. Abstr.) **(Ger)**

[The significance of curettage in the diagnosis of endometrial hyperplasia (author's transl)] Haenel AF, et al. **Praxis** 1981 Sep 22;70(39):1712-6 (Eng. Abstr.) **(Ger)**

[Effects of dilatation and curettage on the clinical course and clinical picture of ectopic pregnancy] Tokunaga T, et al. **Acta Obstet Gynaecol Jpn** 1981 Jul;33(7):1099-102 **(Jpn)**

ADVERSE EFFECTS

Regeneration of the human endometrium and presence of inflammatory cells following diagnostic curettage. Johannisson E, et al. **Acta Obstet Gynecol Scand** 1981; 60(5):451-7

Death from amniotic fluid embolism and disseminated intravascular coagulation after a curettage abortion. Cates W Jr, et al. **Am J Obstet Gynecol** 1981 Oct 1;141(3):346-8

Is diagnostic curettage harmful in women with unexplained infertility? Taylor PJ, et al. **Br J Obstet Gynaecol** 1982 Apr;89(4):296-8

[An analysis of 166 cases of uterine adhesion after uterine curettage of suction (author's transl)] **Chung Hua Fu Chan Ko Tsa Chih** 1979 Apr;14(2):118-21 **(Chi)**

ECONOMICS

Diagnostic dilation and curettage: a reappraisal. Grimes DA. **Am J Obstet Gynecol** 1982 Jan 1;142(1):1-6

INSTRUMENTATION

Use of a force measuring instrument during cervical dilatation. Fisher J, et al. **J Med Eng Technol** 1981 Jul; 5(4):194-5

Outpatient diagnostic suction curettage: a personal series. Dempsey PJ. **NZ Med J** 1982 Jan 27;95(700):45-6

A comparison of endometrial sampling with the Accurette and Vabra aspirator and uterine curettage. Goldberg GL, et al. **S Afr Med J** 1982 Jan 23;61(4):114-6

Description of a new disposable uterine sampler (the Accurette) for endometrial cytology and histology. Kriseman MM. **S Afr Med J** 1982 Jan 23;61(4):107-8

Diagnostic accuracy of the Accurette endometrial sampler. Sonnendecker EW, et al. **S Afr Med J** 1982 Jan 23; 61(4):109-13

[Aspiration of uterine contents using the Vakutage apparatus] Sráček J, et al. **Cesk Gynekol** 1982 Jun;47(5):367-70 **(Cze)**

[Diagnostic cervical abrasion using the Vabra p c cervix instrument] Hald F, et al. **Ugeskr Laeger** 1981 Jul 13; 143(29):1836-8 (Eng. Abstr.) **(Dan)**

[Induced abortion. A prospective comparative study of 2 vacuum aspiration methods: the Vabra-ab aspirator and conventional methods] Poulsen HK. **Ugeskr Laeger** 1982 Jan 11;144(2):89-92 (Eng. Abstr.) **(Dan)**

[Procedures in the pregnant and non-pregnant uterus under sonographic control (author's transl)] Meyenburg M. **Geburtshilfe Fraunheilkd** 1982 Jan;42(1):35-8 (Eng. Abstr.) **(Ger)**

[Experience from use of new cervix dilatator (author's transl)] Müller HG. **Zentralbl Gynakol** 1981;103(19):1155-7 **(Ger)**

METHODS

Synthetic laminaria for cervical dilatation prior to vacuum aspiration in midtrimester pregnancy. Brenner WE, et al. **Am J Obstet Gynecol** 1982 Jun 15;143(4):475-7

Nelaton catheter versus laminaria for a safe and gradual cervical dilatation. Manabe Y, et al. **Contraception** 1981 Jul;24(1):53-60

[Vacuum treatment method in postphlebitic and varicose trophic ulcers of the lower extremities] Nikolov A. **Khirurgiia (Sofiia)** 1981;34(4):368-71 (Eng. Abstr.) **(Bul)**

PSYCHOLOGY

Psychological preparation for surgery: patient recall of information. Reading AE. **J Psychosom Res** 1981; 25(1):57-62

DILATATION, PATHOLOGIC

CHEMICALLY INDUCED

Vasodilator response in the lower extremity induced by contrast medium. I Canine model. Link DP, et al. **Acta Radiol [Diagn] (Stockh)** 1982;23(2):81-6

CONGENITAL

[The pseudocystic saccular dilatation of the hepatic ducts--the Caroli syndrome] Mikus E, et al. **Z Arztl Fortbild (Jena)** 1981 Sep 1;75(17):804-5 **(Ger)**

RADIOGRAPHY

Radiologic Seminar CCXVIII: pyopneumoperitoneum simulating colon dilatation: computed tomography for abdominal abscess definition. Cranston PE, et al. **J Miss State Med Assoc** 1981 Nov;22(11):274-6

[Functional assessment of the hepatic arterial blood flow by pharmacoradiography (author's transl)] Stellamor K, et al. **Rontgenblatter** 1981 Dec;34(12):463-6 (Eng. Abstr.) **(Ger)**

DILATATION, TRANSLUMINAL ARTERIAL see **ANGIOPLASTY, TRANSLUMINAL**

DILAZEP see under **AZEPINES**

DILTIAZEM see under **BENZAZEPINES**

DILUTION TECHNICS see **INDICATOR DILUTION TECHNICS**

DIMENHYDRINATE

ADMINISTRATION & DOSAGE

[Electroencephalographic studies on a dimenhydrinate in a chewing-gum for motion sickness] Reimann HJ, et al. **Ther Ggw** 1981 Sep;120(9):837-44 **(Ger)**

[Progress in the therapy of motion sickness: the dimenhydrinate-containing chewing gum dragee] Reimann HJ, et al. **Ther Ggw** 1981 Dec;120(12):1171-80 **(Ger)**

DIMERCAPROL

ANALOGS & DERIVATIVES

Biological chelation: 2,3-dimercapto-propanesulfonic acid and meso-dimercaptosuccinic acid. Aposhian HV. **Adv Enzyme Regul** 1982;20:301-19

Effects of potassium ethylxanthogenate and 2,3-dimercaptopropane sulphonate sodium on the pentobarbital pharmacokinetics and metabolism in male mice. Yanev S, et al. **Eur J Drug Metab Pharmacokinet** 1982 Jan-Mar;7(1):21-9

Radioruthenium — 2,3-Dimercaptopropansulfonic acid complex. A potentially useful radiocompound for kidney studies. Anghileri LJ, et al. **Eur J Nucl Med** 1981;6(9):403-5

The reduction of tuberculin-induced pleurisy in the guinea-pig by a gold salt, chloroquine and D-penicillamine. Tarayre JP, et al. **J Pharm Pharmacol** 1981 Aug;33(8):540-3

[Ultrastructural and microanalytic study of gold depots in the synovial membrane of man and animals during treatment with sodium aurothiopropanol sulfonate] Laoussadi S, et al. **C R Soc Biol (Paris)** 1981;175(4):474-84 (Eng. Abstr.) **(Fre)**

[Concentration of gold in macrophages of the bone marrow in rheumatic diseases subjected to chrysotherapy] Galle P, et al. **Rev Rhum Mal Osteoartic** 1982 Mar 25;49(4):273-9 (Eng. Abstr.) **(Fre)**

[Sodium 2,3-dithiopropanesulfate blockade of the effect of cholera enterotoxin on adenylate cyclase and the concentration of cyclic 3',5'-adenosine monophosphate in the small intestine mucosa of the rabbit] Iurkiv VA, et al. **Biull Eksp Biol Med** 1981 Oct;91(10):432-4 (Eng. Abstr.) **(Rus)**

[Unithiol in the treatment of diabetic polyneuropathies] Efimov AS, et al. **Sov Med** 1981;(9):59-63 (Eng. Abstr.) **(Rus)**

[Development of an aplastic syndrome after chrysanol administration] Biriukova IV, et al. **Vopr Revm** 1982 Jan-Mar;(1):67-8 **(Rus)**

[Case of drug (krizanol) hepatitis] Kornelchuk AV, et al. **Vrach Delo** 1982 Feb;(2):41-2 **(Rus)**

[Comparative treatment effectiveness with chlotazol and unithiol preparations in rheumatoid arthritis] Shtel'makh NI, et al. **Vrach Delo** 1982 Jan;(1):49-52 **(Rus)**

PHARMACODYNAMICS

Inhibition of coupling factor B activity by cadmium ion, arsenite-2,3-dimercaptopropanol, and phenylarsine oxide, and preferential reactivation by dithiols. Joshi S. et al. **J Biol Chem** 1981 Nov 10;256(21):11112-6

THERAPEUTIC USE

The metabolism of arsenic in humans acutely intoxicated by As2O3. Its significance for the duration of BAL therapy. Mahieu P, et al. **Clin Toxicol** 1981 Sep;18(9):1067-75

Chelation of cadmium from metallothionein in vivo and its excretion in rats repeatedly injected with cadmium chloride. Cherian MG, et al. **J Pharmacol Exp Ther** 1982 Sep;222(3):699-704

Mercury poisoning from home gold ore processing. Use of penicillamine and dimercaprol. Snodgrass W, et al. **JAMA** 1981 Oct 23-30;246(17):1929-31

Acute lethal arsenite poisoning in mice: effect of treatment with N-acetylcysteine, D-penicillamine and dimercaprol on survival time. Shum S, et al. **Vet Hum Toxicol** 1981; 23(Suppl 1):39-42

[Current levels of cadmium in living organisms: physiopathological, clinical and therapeutic considerations] Mancinella A. **Clin Ter** 1981 Sep 15;98(5):545-60 (95 ref.) (Eng. Abstr.) **(Ita)**

DIMERCAPTOSUCCINIC ACID see under **SULFHYDRYL COMPOUNDS**

DIMETHACRINE see under **ACRIDINES**

DIMETHADIONE see under **OXAZOLES**

DIMETHINDENE

ADMINISTRATION & DOSAGE

[Antipruritic or anti-allergic therapy. The efficacy and tolerance of intravenous dimethindenmaleate]
Zimmermann B, et al. **Fortschr Med** 1981 Sep 17; 99(35):1418-20 **(Ger)**

BLOOD

Gas--liquid chromatographic determination of free dimethindene in human serum and urine at low concentrations. Wermeille MM, et al. **J Chromatogr** 1982 Mar 12;228:187-94

THERAPEUTIC USE

[Allergic rhinitis--a crux medicorum. New pathways in therapy] **ZFA (Stuttgart)** 1981 Oct 10;57(28):1938-9 **(Ger)**

DIMETHOATE

ANALOGS & DERIVATIVES

Enzyme studies with human and hen autopsy tissue suggest omethoate does not cause delayed neuropathy in man. Lotti M, et al. **Arch Toxicol** 1981 Nov;48(4):265-70

Late peripheral neuropathy due to an acute voluntary intoxication by organophosphorus compounds. Curtes JP, et al. **Clin Toxicol** 1981 Dec;18(12):1453-62

Gas chromatographic quantitative analysis and persistence of dimethoate and dimethoxon residues on and in wheat plants. Lee YW, et al. **J Agric Food Chem** 1981 Jul-Aug; 29(4):860-2

ANALYSIS

Gas chromatographic quantitative analysis and persistence of dimethoate and dimethoxon residues on and in wheat plants. Lee YW, et al. **J Agric Food Chem** 1981 Jul-Aug; 29(4):860-2

IMMUNOLOGY

[Effect of phosphamide on the body's immunological reactions in the development of a BCG vaccinal process] Agzamov RA, et al. **Probl Tuberk** 1982 Mar;(3):72-5 (Eng. Abstr.) **(Rus)**

PHARMACODYNAMICS

[Study of three biocides (dimethoate, parathion ethyl and zineb) on female rat neuro endocrinological balance (author's transl)] Bentue-Ferrer D, et al.
Toxicol Eur Res 1981 Nov;3(6):279-83 (Eng. Abstr.) **(Fre)**

DIMETHOPHRINE see under **ETHANOLAMINES**

DIMETHOXYPHENYLETHYLAMINE see under **PHENETHYLAMINES**

DIMETHPYRINDENE see **DIMETHINDENE**

DIMETHYL ADIPIMIDATE see under **IMIDOESTERS**

DIMETHYL SUBERIMIDATE see under **IMIDOESTERS**

DIMETHYL SULFOXIDE

Azodipyrroles of unconjugated and conjugated bilirubin using diazotized ethyl anthranilate in dimethyl sulfoxide. Trotman BW, et al. **Anal Biochem** 1982 Mar 15; 121(1):175-80

The formation of superoxide radical anions by a reaction between O2, OH- and dimethyl sulfoxide. Hyland K, et al. **Biochem Biophys Res Commun** 1981 Sep 16;102(1):531-7

Interactions of glycerol monooleate and dimethylsulphoxide with phospholipids. A differential scanning calorimetry and 31P-NMR study. Tilcock CP, et al.
Biochim Biophys Acta 1982 Mar 8;685(3):340-6

Analysis of 'solution effects' injury: cooling rate dependence of the functional and morphological sequellae of freezing in rabbit renal cortex protected with dimethyl sulfoxide. Fahy GM. **Cryobiology** 1981 Dec;18(6):550-70

Practical acid dissociation constants, temperature coefficients, and buffer capacities for some biological buffers in solutions containing dimethyl sulfoxide between 25 and -12 degrees C. Taylor MJ, et al. **Cryobiology** 1982 Feb;19(1):99-109

Sterility testing of fat emulsions using membrane filtration and dimethyl sulfoxide. Placencia AM, et al.
J Pharm Sci 1982 Jun;71(6):704-5

Dimethyl sulfoxide. Controversy and current status--1981. Council on scientific affairs. **JAMA** 1982 Sep 17; 248(11):1369-71

[Modeling myocardial infarct by applying dimethyl sulfoxide to the anterior surface of the heart] Kogan AKh, et al. **Patol Fiziol Eksp Ter** 1981 Sep-Oct;(5):71-4 **(Rus)**

ADMINISTRATION & DOSAGE

Ineffectiveness of topical idoxuridine in dimethyl sulfoxide for therapy for genital herpes. Silvestri DL, et al.
JAMA 1982 Aug 27;248(8):953-9

Acute dimethyl sulfoxide therapy in experimental brain edema: part 2. Effect of dose and concentration on intracranial pressure, blood pressure, and central venous pressure. Tsuruda J, et al. **Neurosurgery** 1982 Mar; 10(3):355-9

[Dimethylsulfoxide as a vehicle for vasoactive drugs in the treatment of systemic scleroderma] Balabanova RM, et al. **Ter Arkh** 1982;54(2):118-21 (Eng. Abstr.) **(Rus)**

[Treatment of septicopyemic forms of acute hematogenic osteomyelitis using dimexide and hyperbaric oxygenation] Borovik PI, et al. **Vestn Khir** 1981 Jul;127(7):94-6 (Eng. Abstr.) **(Rus)**

[Use of dimethyl sulfoxide in the combined therapy of chronic suppurative otitis media] Shutov AI, et al.
Vestn Otorinolaringol 1982 May-Jun;(3):71-2 **(Rus)**

[Dimexide sanative treatment of the bronchial tree in chronic nonspecific lung diseases] Kirkin EM, et al.
Voen Med Zh 1981 Oct;(10):59-60 **(Rus)**

ADVERSE EFFECTS

Lack of nephrotoxicity of intravenous dimethylsulfoxide. Bennett WM, et al. **Clin Toxicol** 1981 May;18(5):615-8

ANALYSIS

Natural occurring levels of dimethyl sulfoxide in selected fruits, vegetables, grains, and beverages. Pearson TW, et al. **J Agric Food Chem** 1981 Sep-Oct;29(5):1089-91

Determination of dimethyl sulfoxide in serum and other body fluids by gas chromatography. Garretson SE, et al.
J Anal Toxicol 1982 Mar-Apr;6(2):76-81

[Spectroscopic studies of arylazo-2-napthols in DMSO (author's transl)] Miyahara M, et al.
Eisei Shikenjo Hokoku 1981;99:17-22 (Eng. Abstr.) **(Jpn)**

[Possibility of detecting dimethyl sulfoxide in cadaveric material] Tereshchuk SI, et al. **Sud Med Ekspert** 1981 Jul-Aug;24(3):41 **(Rus)**

IMMUNOLOGY

[Use of hydrolin and dimexide for experimental sensitization] Taranenko LA, et al. **Vestn Dermatol Venerol** 1982 May; (5):22-5 (Eng. Abstr.) **(Rus)**

METABOLISM

Selective affinity of dimethyl sulphoxide (DMSO) and 2-amino-4-phenylsulphonylbenzenesulphonamide (NSD 3004) for the large intestinal mucosa of mice. Brandt I, et al. **Acta Pharmacol Toxicol (Copenh)** 1982 Aug; 51(2):173-6

Pyrazole and 4-methylpyrazole inhibit oxidation of ethanol and dimethyl sulfoxide by hydroxyl radicals generated from ascorbate, xanthine oxidase, and rat liver microsomes. Cederbaum AI, et al. **Arch Biochem Biophys** 1982 Jul; 216(2):530-43

Production of formaldehyde during metabolism of dimethyl sulfoxide by hydroxyl radical generating systems. Klein SM, et al. **Biochemistry** 1981 Oct 13;20(21):6006-12

Methane formation from the reactions of hydroxyl radicals and hydrogen atoms with dimethyl sulfoxide (DMSO). Koulkes-Pujo AM, et al. **FEBS Lett** 1981 Jun 29; 129(1).52-4

PHARMACODYNAMICS

Dimethyl sulfoxide. Biomechanical effects on tendons. Albrechtsen SJ, et al. **Am J Sports Med** 1982 May-Jun; 10(3):177-9

Inhibitory effects of combinations of oxytetracycline, dimethyl sulfoxide, and EDTA-tromethamine on Escherichia coli. Wooley RE, et al. **Am J Vet Res** 1981 Nov;42(11):2010-3

Antibacterial action of combinations of oxytetracycline, dimethyl sulfoxide, and EDTA-tromethamine on Proteus, Salmonella, and Aeromonas. Wooley RE, et al.
Am J Vet Res 1982 Jan;43(1):130-3

Two inducers of cell differentiation enhance the 2'5' oligoadenylate synthetase activity in MSV transformed cells. Besançon F, et al. **Biochem Biophys Res Commun** 1981 Nov 16;103(1):16-24

Dimethyl sulfoxide as chemical and biological probe: conformational effect on peroxidase systems. Durán N, et al. **Biochem Biophys Res Commun** 1981 Nov 16; 103(1):131-8

Studies on the Limulus coagulation system: inhibition of activation of the proclotting enzyme, by dimethyl sulfoxide. Liang SM, et al. **Biochem Biophys Res Commun** 1982 Mar 30;105(2):553-9

Effect of dimethylsulfoxide on two synthetic Asn-X-Thr containing substrates of the oligosaccharyltransferase. Ronin C, et al. **Biochem Biophys Res Commun** 1982 Apr 14;105(3):909-15

Dimethyl sulfoxide as a cholesterol-lowering agent in cultured fibroblasts exposed to low density lipoproteins. Alam SS, et al. **Biochim Biophys Acta** 1982 Mar 12; 710(3):306-13

Synthesis of sialoglycoconjugates during dimethylsulfoxide-induced erythrodifferentiation of friend leukemia cells. Brown AE, et al. **Biochim Biophys Acta** 1982 Feb 2;714(2):217-25

The effect of heme on intracellular iron pools during differentiation of Friend erythroleukemia cells. Hradilek A, et al. **Biochim Biophys Acta** 1981 Dec 18;678(3):373-80

The effect of the cryoprotectants, dimethylsulfoxide and glycerol on water transport in the human red blood cell. Small WC, et al. **Biochim Biophys Acta** 1982 Feb 10; 720(1):81-6

DNA ligase and DNase activities in mouse erythroleukemia cells during dimethyl sulfoxide-induced differentiation. Scher BM, et al. **Cancer Res** 1982 Apr;42(4):1300-6

Induction of differentiation of HL-60 cells by dimethyl sulfoxide: evidence for a stochastic model not linked to the cell division cycle. Tarella C, et al. **Cancer Res** 1982 Feb;42(2):445-9

Differential effects of sodium butyrate, dimethyl sulfoxide, and retinoic acid on membrane-associated antigen, enzymes, and glycoproteins of human rectal adenocarcinoma cells. Tsao D, et al. **Cancer Res** 1982 Mar; 42(3):1052-8

Prevention of doxorubicin-induced skin ulcers in the rat and pig with dimethyl sulfoxide (DMSO). Desai MH, et al. **Cancer Treat Rep** 1982 Jun;66(6):1371-4

Inhibition of methylcholanthrene-induced skin carcinogenesis in hairless mice by dimethyl sulfoxide. Iversen OH, et al. **Carcinogenesis** 1981;2(11):1129-33

Effects of DMSO on the structure and function of polytene chromosomes of Chironomus. Sass H. **Chromosoma** 1981; 83(5):619-43

Acute cardiovascular effects of dimethylsulfoxide. Hameroff SR, et al. **Crit Care Med** 1981 Dec;9(12):855-7

Short- and long-term effects of dimethyl sulfoxide on mouse pancreatic islet B-cell function in vitro. Sandler S, et al. **Cryobiology** 1982 Jun;19(3):299-305

Kinetics of permeation and intracellular events associated with Me2SO permeation of rabbit kidneys during perfusion at 10 degrees C. Segal NB, et al. **Cryobiology** 1982 Feb; 19(1):41-9

Function of rabbit kidneys in vitro at normothermia following equilibration with 3.0 M Me2SO and removal by hypertonic washout at 10 degrees C. Segal NB, et al. **Cryobiology** 1982 Feb;19(1):50-60

Effects of dimethyl sulfoxide on the globally ischemic heart: possible general relevance to hypothermic organ preservation. Shlafer M, et al. **Cryobiology** 1982 Feb; 19(1):61-9

Effect of dimethyl sulfoxide on sulindac disposition in rats. Swanson BN, et al. **Drug Metab Dispos** 1981 Nov-Dec; 9(6):499-502

In vivo identification of Tetrahymena actin probed by DMSO induction nuclear bundles. Katsumaru H, et al.
Exp Cell Res 1982 Feb;137(2):353-63

Reversible inhibition by DMSO of hydrocortisone-induced keratinization of chick embryonic skin. Obinata A, et al.
Exp Cell Res 1982 Mar;138(1):135-45

Potentiation of the biological activities of daunomycin and adriamycin by ascorbic acid and dimethylsulfoxide. Marián M, et al. **Experientia** 1982 May 15;38(5):573-4

DMSO-induced changes in radical lifetimes in irradiated bacterial spores. Ewing D. **Int J Radiat Biol** 1982 May; 41(5):563-7

Spin label reduction kinetics, a procedure to study the effect of drugs on membrane permeability: the effects of monosodium urate, dimethyl sulfoxide and amphotericin B. Aracava Y, et al. **J Biochem Biophys Methods** 1981 Aug; 5(2):83-94

Transcriptional activity of globin genes in uninducible variants of Friend leukemic cells. Nose K, et al.
J Biochem (Tokyo) 1981 Jun;89(6):1711-9

Tubulin polymerization in dimethyl sulfoxide. Robinson J, et al. **J Biol Chem** 1982 May 25;257(10):5367-71

Lipid composition of Friend leukemia cells following induction of erythroid differentiation by dimethyl sulfoxide. Rittmann LS, et al. **J Cell Physiol** 1982 Jan;110(1):50-5

Endothelial integrity after venous cryopreservation. Sachs SM, et al. **J Surg Res** 1982 Mar;32(3):218-27

DMSO (dimethyl sulfoxide), morphine and analgesia. Haigler HJ, et al. **Life Sci** 1981 Oct 12;29(15):1545-53

The effect of dimethylsulfoxide on the mutagenicity of the hair dye p-phenylenediamine. Burnett C, et al.
Mutat Res 1982 Jan;103(1):1-4

Control of muscle and neuronal differentiation in a cultured embryonal carcinoma cell line. McBurney MW, et al.
Nature 1982 Sep 9;299(5879):165-7

Dimethylsulfoxide-induced alterations in the growth properties and protein composition of in vitro-propagated murine hepatoma cells. Higgins PJ, et al. **Oncology** 1982; 39(5):325-30

Hydroxyl radical scavengers inhibit lymphocyte mitogenesis. Novogrodsky A, et al. **Proc Natl Acad Sci USA** 1982 Feb; 79(4):1171-4

Susceptibility of Friend erythroleukemia cells to natural cytotoxicity after in vitro treatment with dimethyl sulfoxide. Cox WI, et al. **Proc Soc Exp Biol Med** 1982 Mar; 169(3):337-42

The effects of dimethylsulfoxide (DMSO) on the radiation sensitivity of bacterial spores. Ewing D. **Radiat Res** 1982

May;90(2):348–55
Morphologic effect of dimethyl sulfoxide on the blood–brain barrier. Broadwell RD, et al. **Science** 1982 Jul 9; 217(4555):164–6
Dimethyl sulfoxide (DMSO) and glycerol, hydroxyl radical scavengers, impair platelet aggregation within and eliminate the accompanying vasodilation of, injured mouse pial arterioles. Rosenblum WI, et al. **Stroke** 1982 Jan–Feb; 13(1):35–9
Circulation and function of human platelets isolated from units of CPDA–1, CPDA–2, and CPDA–3 anticoagulated blood and frozen with DMSO. Vecchione JJ, et al. **Transfusion** 1982 May–Jun;22(3):206–9
Influence of dimethylsulfoxide on transcription by bacteriophage T3–induced RNA polymerase. Musielski H, et al. **Z Allg Mikrobiol** 1981;21(6):447–56
[Comparison of platelets frozen with different cryoprotective agents] Vezon G, et al. **C R Soc Biol (Paris)** 1982; 176(2):154–65 (Eng. Abstr.) **(Fre)**
[Cryopreservation of Toxoplasma gondii (endozoite) with the addition of dimethyl sulfoxide to the freezing medium] Brunner S, et al. **Berl Munch Tierarztl Wochenschr** 1981 Jun 1;94(13):260–1 (Eng. Abstr.) **(Ger)**
[Cytomorphological changes in human tumor cells exposed to high–polar compounds] Viadro MM, et al. **Biull Eksp Biol Med** 1981 Nov;92(11):586–8 (Eng. Abstr.) **(Rus)**

STANDARDS

Use of DMSO in Oklahoma. **J Okla State Med Assoc** 1981 Dec;74(12):403

THERAPEUTIC USE

Comparison of the effects of DMSO and pentobarbitone on experimental brain oedema. James HE, et al. **Acta Neurochir (Wien)** 1982;60(3–4):245–55
Dimethyl sulfoxide (DMSO)––a unique therapeutic entity. Brown JH. **Aviat Space Environ Med** 1982 Jan;53(1):82–8
Cyclophosphamide and dimethylsulfoxide in the treatment of squamous carcinoma of the lung. Therapeutic efficacy, toxicity, and pharmacokinetics. Fuks JZ, et al. **Cancer Chemother Pharmacol** 1981;6(2):117–20
Cyclophosphamide plasma and cerebrospinal fluid kinetics with and without dimethyl sulfoxide. Egorin MJ, et al. **Clin Pharmacol Ther** 1982 Jul;32(1):122–8
Possibilities of DMSO application in the prophylaxis against periodontopathies –– experimental and clinical studies. Zlatev S, et al. **Folia Med (Plovdiv)** 1981;23(2):52–7
DMSO therapy for posterior paralysis [letter] Harris AM. **J Am Vet Med Assoc** 1982 Apr 1;180(7):700, 702
DMSO, dimethylsulfoxide, an overview. Herricks RT. **J Med Assoc State Ala** 1982 Jan;51(7):20, 25–7
The use of DMSO in tennis elbow and rotator cuff tendonitis: a double–blind study. Percy EC, et al. **Med Sci Sports Exerc** 1981;13(4):215–9
Alleviation of experimental ischemic acute renal failure by dimethyl sulfoxide. Kedar I, et al. **Nephron** 1981; 29(1–2):55–8
Acute dimethyl sulfoxide therapy in experimental brain edema: Part I. Effects on intracranial pressure, blood pressure, central venous pressure, and brain water and electrolyte content. Camp PE, et al. **Neurosurgery** 1981 Jul;9(1):28–33
Acute dimethyl sulfoxide therapy in brain edema. Part 3: effect of a 3–hour infusion. Del Bigio M, et al. **Neurosurgery** 1982 Jan;10(1):86–9
Treatment of acute focal cerebral ischemia with dimethyl sulfoxide. Little JR, et al. **Neurosurgery** 1981 Jul;9(1):34–9
Trials of intravenous dimethyl sulfoxide therapy and scanning for soft–tissue amyloid to a patient with amyloidosis associated with multiple myeloma: a case report. Kodama F, et al. **Nippon Ketsueki Gakkai Zasshi** 1981 Jul; 44(4):887–92
A multicentre trial of Zostrum (5 percent idoxuridine in dimethyl sulphoxide) in herpes zoster. Burton WJ, et al. **NZ Med J** 1981 Nov 25;94(696):384–6
Failure of dietary dimethylsulfoxide to protect against aflatoxin in young broiler chickens. Yen CC, et al. **Poult Sci** 1982 Feb;61(2):255–7
Protection by alpha–tocopherol and dimethylsulfoxide (DMSO) against adriamycin induced skin ulcers in the rat. Svingen BA, et al. **Res Commun Chem Pathol Pharmacol** 1981 Apr; 32(1):189–92
Dubious effect of dimethylsulphoxide (DMSO) therapy on amyloid deposits and amyloidosis. Gruys E, et al. **Vet Res Commun** 1981 Sep;5(1):21–32 (33 ref.)
[Dimethyl sulfoxide and the antineoplastic effect of ionizing radiation] Vershinina SF. **Med Radiol (Mosk)** 1982 May; 27(5):67–8 **(Rus)**
[Effectiveness of ectericide, dimethyl sulfoxide and oxacillin in treating acute, odontogenic inflammatory jaw diseases] Kolomiets LI. **Stomatologiia (Mosk)** 1981;60(4):33–5 (Eng. Abstr.) **(Rus)**
[Current methods of treating acute gouty arthritis] Akimova TF, et al. **Ter Arkh** 1981;53(7):127–9 (Eng. Abstr.) **(Rus)**
[Dimethyl sulfoxide in the treatment of amyloidosis in rheumatoid arthritis (case report)] Murav'ev IuV, et al. **Ter Arkh** 1981;53(11):38–9 (Eng. Abstr.) **(Rus)**

TOXICITY

Mutagenicity of dimethylsulfoxide (DMSO): in vivo cytogenetics study in the rat. Kapp RW Jr, et al. **Teratogenesis Carcinog Mutagen** 1980;1(2):141–5
Cutaneous histamine–releasing activity of dimethylsulphoxide (DMSO) in guinea pigs. Swanston DW, et al. **Toxicol Lett** 1982 Jan;10(1):87–90
[Selective toxicity of dimethyl sulfoxide for the hematopoietic cells of human embryonic liver] Makartseva TM. **Tsitol Genet** 1982;16(1):10–4 **(Rus)**

DIMETHYLALLYLTRANSFERASE see under **TRANSFERASES**

DIMETHYLAMINES

ADMINISTRATION & DOSAGE

[Blastomogenic action of low concentrations of nitrosodimethylamine, dimethylamine and nitrogen dioxide] Benemanskiĭ VV, et al. **Vopr Onkol** 1981; 27(10):56–62 (Eng. Abstr.) **(Rus)**

METABOLISM

Microbial formation of secondary and tertiary amines in municipal sewage. Thomas JM, et al. **Appl Environ Microbiol** 1981 Sep;42(3):461–3
In vivo stability of nitrite and nitrosamine formation in the dog stomach: effect of nitrite and amine concentration and of ascorbic acid. Lintas CL, et al. **Carcinogenesis** 1982; 3(2):161–5
A comparison of the elimination and biotransformation of dodecyldimethylamine oxide (²DAO) by rats, rabbits, and man. Turan TS, et al. **Xenobiotica** 1981 Jul;11(7):447–58

PHARMACODYNAMICS

Borane dimethylamine reduction of the retinal––opsin linkage in rhodopsin. Hall MO, et al. **Methods Enzymol** 1982; 81:290–3
DNA damage in liver of mice treated with N–nitrodimethylamine. Pala M, et al. **Mutat Res** 1982 Mar; 103(3–6):207–11
[Role of age in N–nitrosodimethylamine– and N–dimethylnitramine–induced carcinogenesis in Rana temporaria L. amphibians] Khudoleĭ VV. **Vopr Onkol** 1981; 27(10):67–71 (Eng. Abstr.) **(Rus)**

TOXICITY

Acute inhalation toxicity and sensory irritation of dimethylamine. Steinhagen WH, et al. **Am Ind Hyg Assoc J** 1982 Jun;43(6):411–7
[Nature of the experimental biological action of low concentrations of a mixture of nitrosodimethylamine, dimethylamine and nitrogen dioxide] Prusakov VM, et al. **Gig Sanit** 1982 Mar;(3):8–11 (Eng. Abstr.) **(Rus)**

DIMETHYLAMINOAZOBENZENE

Study of abnormal growth of DAB hepatic carcinoma. Kawasaki H, et al. **Kurume Med J** 1981;28(4):269–71
[Changes of 67Ga–citrate accumulation in the rat liver during feeding with chemical carcinogen 3'–methyl–4–dimethylaminoazobenzene (author's transl)] Sasaki T, et al. **Kaku Igaku** 1982 Mar;19(2):201–8 (Eng. Abstr.) **(Jpn)**

ANALOGS & DERIVATIVES

Improved automated solid–phase microsequencing of peptides using DABITC. Salnikow J, et al. **Anal Biochem** 1981 Nov 1;117(2):433–42
Participation of the microsomal electron transport system in mutagenic activation of 4–dimethylaminoazobenzene, 4–methylaminoazobenzene and their 3'–methyl–derivatives. Igarashi S, et al. **Biochem Biophys Res Commun** 1982 May 14;106(1):164–9
Elevation of serum albumin concentration in analbuminemic rats by administration of 3'–methyl–4–dimethylaminoazobenzene. Makino R, et al. **Biochem Biophys Res Commun** 1982 Jun 15;106(3):863–70
A complete separation of dimethylaminoazobenzenesulphonyl–amino acids. Amino acid analysis with low nanogram amounts of polypeptide with dimethylaminoazobenzenesulphonyl chloride. Chang JY, et al. **Biochem J** 1982 Jun 1;203(3):803–6
Isolation and characterization of polypeptide at the picomole level. Pre–column formation of peptide derivatives with dimethylaminoazobenzene isothiocyanate. Chang JY. **Biochem J** 1981 Dec 1;199(3):537–45
Preferential inhibition of the B–form of monoamine oxidase in the liver of rats given 3'–methyl–4–dimethylaminoazobenzene in the diet. Egashira T, et al. **Biochem Pharmacol** 1982 Apr 1; 31(7):1301–7
The effect of phenobarbital and 3'–methyl–N,N–dimethyl–4–aminoazobenzene administration on catalytic, binding and immunological properties of ligandin subunits in rat liver. Ohmi N, et al. **Biochim Biophys Acta** 1981 Jul;675(2):276–80
Induction of drug–metabolizing enzymes in the rat liver by 3'–methyl–4–(dimethylamino)azobenzene. Hino O, et al. **Cancer Lett** 1982 Feb;15(2):131–6
Antigenic changes in nonhistone proteins during azo dye hepatocarcinogenesis. Schmidt WN, et al. **Cancer Res** 1982 Aug;42(8):3164–74
The effects of pre–incubation period and norharman on the mutagenic potency of 4–dimethylaminoazobenzene and 3'–methyl–4–dimethylaminoazobenzene in S. typhimurium. Lefevre PA, et al. **Carcinogenesis** 1981;2(9):927–31
Carcinogenicity of 3'–hydroxymethyl–N,N–dimethyl–4–aminoazobenzene in rat liver. Mori Y, et al. **Carcinogenesis** 1980 Jun;1(6):533–5
The effect of 3'–methyl–4–demethyl–aminoazobenzene of foetal rat hepatocytes in culture. Yeoh GC. **Eur J Cancer Clin Oncol** 1981 Jul;17(7):743–52
Existence of a practical threshold dose for the hepatocarcinogen 3'–methyl–4–(dimethyl–amino) azobenzene in rat liver. Hino O, et al. **Gan** 1981 Aug; 72(4):637–8
Tumorigenicity of 3'–hydroxymethyl, 3'–formyl, and 3'–carboxy derivatives of 4–(dimethylamino)azobenzene in rat liver. Mori Y, et al. **Gan** 1981 Feb;72(1):160–5
Mechanisms of inhibition by simultaneously administered phenobarbital of 3'–methyl–4–(dimethylamino)azobenzene–induced hepatocarcinogenesis in the rat. Natria T, et al. **Gan** 1980 Dec;71(6):755–8
Inhibition of monoamine oxidase by 3'–methyl–4–dimethylamino azobenzene (3'–me–DAB) in rat liver mitochondria. Egashira T, et al. **Jpn J Pharmacol** 1982 Apr;32(2):335–42
Syntheses of deuterated 3'–hydroxymethyl–4–(dimethylamino)–azobenzene and related compound. Mori Y, et al. **Radioisotopes** 1981 Feb; 30(2):86–91

METABOLISM

Two biological reactive intermediates in aminoazo–dye carcinogenesis and their glutathione adducts. Srai SK, et al. **Adv Exp Med Biol** 1981;136 Pt B:1297–306
Participation of the microsomal electron transport system in mutagenic activation of 4–dimethylaminoazobenzene, 4–methylaminoazobenzene and their 3'–methyl–derivatives. Igarashi S, et al. **Biochem Biophys Res Commun** 1982 May 14;106(1):164–9
Role of isozymes of cytochrome P–450 in the metabolism of N,N–dimethyl–4–aminoazobenzene in the rat. Levine WG, et al. **Drug Metab Dispos** 1982 Mar–Apr;10(2):102–9
[Effects of harman and norharman on the metabolism of aniline and p–dimethylaminoazobenzene (author's transl)] Hayashi K. **Nippon Eiseigaku Zasshi** 1981 Jun; 36(2):495–505 (Eng. Abstr.) **(Jpn)**

PHARMACODYNAMICS

Comparisons between carcinogenic potency and mutagenic potency to Salmonella in a series of derivatives of 4–dimethylaminoazobenzene (DAB). Ashby J, et al. **Mutat Res** 1982 Mar;93(1):67–81
[Changes in tryptophan pyrrolase activity in the rat liver after a single injection of the hepatocarcinogen 4–dimethylaminoazobenzene and its noncarcinogenic analog] Chernysheva MD, et al. **Tsitologiia** 1982 May; 24(5):615–7 (Eng. Abstr.) **(Rus)**

TOXICITY

The effects of pre–incubation period and norharman on the mutagenic potency of 4–dimethylaminoazobenzene and 3'–methyl–4–dimethylaminoazobenzene in S. typhimurium. Lefevre PA, et al. **Carcinogenesis** 1981;2(9):927–31
Comparative mutagenicity of dimethylaminoazobenzene and analogues in Salmonella. Zeiger E, et al. **Carcinogenesis** 1982;3(5):559–61
[Studies on comprehensive evaluation of toxic liver injury (author's transl)] **Eisei Shikenjo Hokoku** 1981;99:156–76 (Eng. Abstr.) **(Jpn)**

DIMETHYLAMINONAPHTHALENESULFONYL COMPOUNDS see **DANSYL COMPOUNDS**

DIMETHYLAMINOPHENAZONE see **AMINOPYRINE**

9,10–DIMETHYL–1,2–BENZANTHRACENE see under **BENZANTHRACENES**

DIMETHYLCYSTEINE see **PENICILLAMINE**

DIMETHYLDITHIOCARBAMATE see under **THIOCARBAMATES**

DIMETHYLERGOMETRIN see **METHYSERGIDE**

DIMETHYLFORMAMIDE

Electrochemical properties of polycyclic compounds studied by the polarographic method in anhydrous systems. VIII. The influence of proton–donor on reduction of carcinogenic nitrogen compounds in dimethylformamide. Vachálková A, et al. **Neoplasma** 1982;29(2):161–7

ANALYSIS

Liquid chromatographic determination of dimethyl formamide, methylene bisphenyl isocyanate and methylene

bisphenyl amine in air samples. Lipski K. **Ann Occup Hyg** 1982;25(1):1–4

Report on the presence of a toxic substance, dimethyl formamide, in sodium fluorescein used for fluorescein angiography. Jacob JS, et al. **Br J Ophthalmol** 1982 Sep; 66(9):567–8

PHARMACODYNAMICS

Alteration of the survival response of two human colon carcinoma subpopulations to x-irradiation by N,N-dimethylformamide. Leith JT, et al. **Cancer Res** 1982 Jan;42(1):30–4

Modification of the response of mouse skin to x-irradiation by a polar solvent, N,N-dimethylformamide. Leith JT, et al. **Int J Radiat Oncol Biol Phys** 1982 May;8(5):937–9

Selective modification of the X ray survival response of two mouse mammary adenocarcinoma sublines by N,N-dimethylformamide. Leith JT, et al. **Int J Radiat Oncol Biol Phys** 1981 Jul;7(7):943–7

Protection against hyperthermic cell killing of mouse mammary adenocarcinoma cells in vitro by N,N-dimethylformamide. Brenner HJ, et al. **Radiat Res** 1981 Nov;88(2):291–8

[Cytomorphological changes in human tumor cells exposed to high-polar compounds] Viadro MM, et al. **Biull Eksp Biol Med** 1981 Nov;92(11):586–8 (Eng. Abstr.) **(Rus)**

TOXICITY

Acute toxicity of tetrachloroethylene and tetrachloroethylene with dimethylformamide to rainbow trout (Salmo gairdneri). Shubat PJ, et al. **Bull Environ Contam Toxicol** 1982 Jan;28(1):7–10

Some observations on dimethylformamide hepatotoxicity. Lundberg I, et al. **Toxicology** 1981;22(1):1–7

[Effect of the intermittent and continuous action of dimethylformamide on adaptation processes] Balnova A, et al. **Probl Khig** 1981;6:27–35 (Eng. Abstr.) **(Bul)**

DIMETHYLGUANYLGUANIDINE see **METFORMIN**

DIMETHYLHYDRAZINES see under **METHYLHYDRAZINES**

DIMETHYLNITROSAMINE

Toxic and carcinogenic effects of dimethylnitrosamine (DMNA) in the blue fox (Alopex lagopus). Koppang N, et al. **Acta Vet Scand** 1981;22(3–4):501–16

An in vitro model of human pancreas carcinogenesis: effects of nitroso compounds. Parsa I, et al. **Cancer** 1981 Mar 15; 47(6 Suppl):1543–51

Reductive destruction of N-nitrosodimethylamine as an approach to hazard control in the carcinogenesis laboratory. Lunn G, et al. **Food Cosmet Toxicol** 1981 Aug; 19(4):493–4

Enhancing effects of dimethylnitrosamine on aflatoxin B hepatocarcinogenesis in rats. Angsubhakorn S, et al. **Int J Cancer** 1981 Nov 15;28(5):621–6

Immunoperoxidase studies on a tumor-cell-associated antigen(s) in rat renal neoplasms induced by dimethylnitrosamine. Yantchev IK. **Neoplasma** 1981; 28(4):447–55

Photoinduced reaction of dimethylnitrosamine with DNA and polynucleotides. Arfellini G, et al. **Photochem Photobiol** 1981 Nov;34(5):645–8

ADMINISTRATION & DOSAGE

Production of kidney tumors in rats with low dose of dimethylnitrosamine after partial hepatectomy. Evarts RP, et al. **JNCI** 1982 Feb;68(2):293–8

[Relation between N-nitrosodimethylamine dose and its oncogenic effect in grassfrogs: new subject of experimental oncology] Khudolei VV. **Biull Eksp Biol Med** 1981 Aug; 92(8):71–3 (Eng. Abstr.) **(Rus)**

[Blastomogenic action of low concentrations of nitrosodimethylamine, dimethylamine and nitrogen dioxide] Benemanskii VV, et al. **Vopr Onkol** 1981; 27(10):56–62 (Eng. Abstr.) **(Rus)**

ANALOGS & DERIVATIVES

Metabolism of nitrosoacetoxymethylmethylamine in liver microsomes. Appel KE, et al. **Biochem Pharmacol** 1981 Oct;30(20):2767–72

Relationship between carcinogenicity and in vitro metabolism of nitrosomethylethylamine, nitrosomethyl-N-butylamine, and nitrosomethyl-(2-phenylethyl)amine labeled with deuterium in the methyl and alpha-methylene positions. Farrelly JG, et al. **Cancer Res** 1982 Jun;42(6):2105–9

Mechanism of esophageal tumor induction in rats by N-nitrosomethylbenzylamine and its ring-methylated analog N-nitrosomethyl(4-methylbenzyl)amine. Hodgson RM, et al. **Cancer Res** 1982 Jul;42(7):2836–40

DNA methylation by N-nitrosomethylbenzylamine in target and non-target tissues of NMRI mice. Kleihues P, et al. **Carcinogenesis** 1981;2(9):897–9

Comparative tumor initiating activities of N-nitrosomethylbenzylamine and N-nitrosodimethylamine in rat liver. Labuc GE, et al. **Carcinogenesis** 1982; 3(5):519–23

Esophageal carcinogenesis in F344 rats by nitrosomethylethylamines substituted in the ethyl group. Lijinsky W, et al. **JNCI** 1982 Apr;68(4):681–4

Effect of indomethacin on intestinal tumors induced in rats by the acetate derivative of dimethylnitrosamine. Pollard M, et al. **Science** 1981 Oct 30;214(4520):558–9

[Effect of disulfiram on the toxicity and carcinogenicity of N-methyl-n-nitrosobenzylamine in rats (author's transl)] Schweinsberg F, et al. **J Cancer Res Clin Oncol** 1981; 102(1):43–7 (Eng. Abstr.) **(Ger)**

ANALYSIS

N-nitrosodimethylamine in domestic beer in China. Yin F, et al. **Food Chem Toxicol** 1982 Apr;20(2):213–4

Determination and confirmation of N-nitrosodimethylamine in beer. Andrzejewski D, et al. **J Assoc Off Anal Chem** 1981 Nov;64(6):1457–61

Rapid method for estimation of N-nitrosodimethylamine in malt beverages. Hotchkiss JH, et al. **J Assoc Off Anal Chem** 1981 Jul;64(4):929–32

Gas-liquid chromatographic-thermal energy analyzer determination of N-nitrosodimethylamine in beer at low parts per billion level. Sen NP, et al. **J Assoc Off Anal Chem** 1981 Jul;64(4):933–8

Gas-liquid chromatographic-thermal energy analyzer determination of N-nitrosodimethylamine in beer: collaborative study. Sen NP, et al. **J Assoc Off Anal Chem** 1982 May;65(3):720–9

Generation of the precarcinogen dimethylnitrosamine (DMNA) in dialysate water. Kirkwood RG, et al. **Trans Am Soc Artif Intern Organs** 1981;27:168–71

BIOSYNTHESIS

In vivo stability of nitrite and nitrosamine formation in the dog stomach: effect of nitrite and amine concentration and of ascorbic acid. Lintas CL, et al. **Carcinogenesis** 1982; 3(2):161–5

Drug-nitrite interactions in human saliva: effects of food constituents on carcinogenic N-nitrosamine formation. Rao GS, et al. **J Dent Res** 1982 Jun;61(6):768–71

METABOLISM

Dimethylnitrosamine adducts excreted in rat urine. Hemminki K, et al. **Adv Exp Med Biol** 1981;136 Pt B:1149–56

The effect of substrates and inhibitors of monoamine oxidase on hepatic dimethylnitrosamine metabolism and mutagenicity. Lake BG, et al. **Adv Exp Med Biol** 1981;136 Pt B:1143–7

Pyrazole-induced cytochrome P-450 in rat liver microsomes: an isozyme with high affinity for dimethylnitrosamine. Tu YY, et al. **Biochem Biophys Res Commun** 1981 Dec 15; 103(3):905–12

Esophageal and hepatic microsomal metabolism of N-nitrosomethylbenzylamine and N-nitrosodimethylamine in the rat. Labuc GE, et al. **Cancer Res** 1982 Aug; 42(8):3181–6

Inhibition of dimethylnitrosamine metabolism by some heterocyclic compounds and by substrates and inhibitors of monoamine oxidase in the rat. Phillips JC, et al. **Cancer Res** 1982 Sep;42(9):3761–5

The in vitro methylation of DNA by microsomally-activated dimethylnitrosamine and its correlation with formaldehyde production. Jensen DE, et al. **Carcinogenesis** 1981; 2(4):349–54

Effect of pretreatment with pregnenolone-16 alpha-carbonitrile and protein-free diet on the metabolism and carcinogenicity of dimethylnitrosamine. Kiessling M, et al. **Carcinogenesis** 1981;2(8):757–61

Microsome-dependent methylation of erythrocyte proteins by dimethylnitrosamine. Kim S, et al. **Carcinogenesis** 1981; 2(3):179–82

Regulation of dimethylnitrosamine metabolism by androgenic hormones. Bakshi K, et al. **Environ Mutagen** 1980;2(1):51–7

Metabolic activation of benzo[a]pyrene, aflatoxin B1, and dimethylnitrosamine by a human hepatoma cell line. Huh N, et al. **Mutat Res** 1982 Jun;94(2):339–48

Effects of hydrogen fluoride on benzo[a]pyrene and dimethylnitrosamine metabolism in rats. Dophuoc H, et al. **Naturwissenschaften** 1981 Dec;68(12):621–2

alpha-Hydroxylation pathway in the in vitro metabolism of carcinogenic nitrosamines: N-nitrosodimethylamine and N-nitroso-N-methylaniline. Kroeger-Koepke MB, et al. **Proc Natl Acad Sci USA** 1981 Oct;78(10):6489–93

Metabolic activation of dimethylnitrosamine to mutagens: role of cytochromes P-450 and P-448. Phillipson CE, et al. **Toxicol Lett** 1982 Apr;11(1–2):95–101

PHARMACODYNAMICS

The determination of O6-methyl- and 7-methylguanine in mouse liver DNA from dimethylnitrosamine-treated mice by high-performance liquid chromatography with UV absorbance detection. Lawrence JF, et al. **Anal Biochem** 1981 Sep 15;116(2):433–8

Non-involvement of nucleolytic activities in the early effect of dimethylnitrosamine on the content of free mRNA in mouse liver. Nygård O, et al. **Biochem J** 1981 Feb 15; 194(2):475–80

Early effects of dimethylnitrosamine on the initiation of protein synthesis in mouse liver. Nygård O, et al. **Biochem J** 1981 Feb 15;194(2):469–74

Liver and kidney nuclear RNA synthesis and modifications in dimethylnitrosamine-treated rats. Winicov I. **Biochim Biophys Acta** 1981 Jun 26;654(1):31–41

Vasodilator actions of several N-nitroso compounds. Lippton HL, et al. **Can J Physiol Pharmacol** 1982 Jan;60(1):68–75

Alkylation and de novo synthesis of liver cell DNA from C3H mice during continuous dimethylnitrosamine exposure. Lindamood C 3d, et al. **Cancer Res** 1982 Oct; 42(10):4153–7

Induction of spermidine N1-acetyltransferase by dialkylnitrosamines. Matsui I, et al. **Cancer Res** 1982 Aug; 42(8):2990–5

Influence of microsomal and cytosolic fractions from rat, mouse, and hamster liver on the mutagenicity of dimethylnitrosamine in the Salmonella plate incorporation assay. Prival MJ, et al. **Cancer Res** 1981 Nov;41(11 Pt 1):4361–7

Dose- and cell cycle-dependent O6-methylguanine elimination from DNA in regenerating rat liver after [14C]dimethylnitrosamine injection. Rabes HM, et al. **Cancer Res** 1982 Sep;42(9):3814–21

Effect of pretreatment by feeding acetylaminofluorene on methylated purines formed in rat liver DNA after administration of dimethylnitrosamine. Charlesworth JD, et al. **Carcinogenesis** 1981;2(4):329–42

The effect of dimethylnitrosamine on the synthesis of high-mobility group non-histone proteins in regenerating rat liver. Craddock VM, et al. **Carcinogenesis** 1980 May; 1(5):445–50

Effects of chloroform and dimethylnitrosamine on renal carcinogenesis in unilaterally nephrectomized rats fed formic acid 2-[4-(5-nitro-2-furyl)-2-thiazolyl]hydrazide. Hirose M, et al. **Carcinogenesis** 1981;2(8):703–8

Effect of copper administration on the incorporation of [3H]-thymidine into the liver DNA of rats stimulated by dimethylnitrosamine and diethylnitrosamine. Sakai K, et al. **Carcinogenesis** 1981;2(12):1261–6

The formation and repair of O6-methylguanine in rat liver nucleolar DNA after dimethylnitrosamine administration studied by radioimmunoassay. Kyrtopoulos SA, et al. **Chem Biol Interact** 1981 Oct;37(1–2):191–7

Evidence that the repair deficient mei-9a female in Drosophila melanogaster is a strong potentiator of chromosome loss induced in the paternal genome by dimethylnitrosamine. Zimmering S, et al. **Environ Mutagen** 1980;2(2):187–90

Effect of urethane, dimethylnitrosamine, paraquat and butylated hydroxytoluene on the activities of glycolytic key enzymes in mouse lung. Arany I, et al. **Environ Res** 1981 Dec;26(2):335–9

Estimation of resistance to dimethylnitrosamine of normal hepatocytes, hyperplastic nodule cells and hepatoma cells of rats in primary culture. Sawada N, et al. **Gan** 1981 Apr; 72(2):318–21

Evidence for a fast repair of apurinic sites induced by N-nitroso-dimethylamine in rat liver DNA. Parodi S, et al. **Ital J Biochem** 1981 Sep-Oct;30(5):375–87

Combined effect of nitrosodimethylamine and aniline on the enzyme systems of subcelluar structures. Merkur'eva RV, et al. **J Hyg Epidemiol Microbiol Immunol** 1982;26(1):15–20

A circular channel crucible oscillating viscometer. Detection of DNA damage induced in vivo by exceedingly small doses of dimethylnitrosamine. Parodi S, et al. **J Mol Biol** 1981 Apr 25;147(4):501–21

Relation between the somatic toxicity of dimethylnitrosamine and a genetically determined variation in the level and induction of cytochrome P450 in Drosophila melanogaster. Hällström I, et al. **Mutat Res** 1982 Feb 22;92(1–2):161–8

Effect of calcium phosphate and alumina C gamma gels on the mutagenicity and cytotoxicity of dimethylnitrosamine as studied in the CHO/HGPRT system. Tan EL, et al. **Mutat Res** 1981 Nov;84(1):147–56

Induced chromosome loss following treatment of postmeiotic cells of the Drosophila melanogaster male with MMS and DMN and matings with repair-proficient females and the repair-deficient females mei-9a and st mus302. Zimmering S. **Mutat Res** 1982 May;94(1):79–86

[Role of age in N-nitrosodimethylamine- and N-dimethylnitramine-induced carcinogenesis in Rana temporaria L. amphibians] Khudolei VV. **Vopr Onkol** 1981; 27(10):67–71 (Eng. Abstr.) **(Rus)**

TOXICITY

Interindividual variation of carcinogen activation by human liver homogenates. A study using dimethylnitrosamine (DMN) and cyclophosphamide (CP) as precursor genotoxic agents and clastogenicity and induction of sister chromatid exchanges in Chinese hamster V79-E cells as endpoints. Thust R. **Arch Geschwulstforsch** 1982; 52(2):97–104

Influence of ethyl alcohol on carcinogenesis with N-nitrosodimethylamine. Griciute L, et al. **Cancer Lett** 1981 Sep;13(4):345–52

The cellular DNA content and profile of dimethyl nitrosamine induced marine lung tumors in relation to their histopathology. Digernes V. **Carcinogenesis** 1981;2(3):195–8

Ethanol- or acetone-pretreatment of mice strongly enhances the bacterial mutagenicity of dimethylnitrosamine in assays mediated by liver subcellular fraction, but not in host-mediated assays. Glatt H, et al. **Carcinogenesis** 1981; 2(10):1057–61

Comparative tumor initiating activities of N-nitrosomethylbenzylamine and N-nitrosodimethylamine in rat liver. Labuc GE, et al. **Carcinogenesis** 1982; 3(5):519–23

Mutagenicity and synthesis of alpha-substituted N-nitrosamines: derivatives with dithiocarbamic acid. Pool BL, et al. **Carcinogenesis** 1982;3(5):563–7

Cytotoxicity and mutagenicity of dimethylnitrosamine in mammalian cells (CHO/HGPRT system); enhancement by calcium phosphate. O'Neill JP, et al. **Environ Mutagen** 1982;4(1):7–18

Sister chromatid exchange response of human diploid fibrobiasts and Chinese hamster ovary cells to dimethylnitrosamine and benzo(a)pyrene. Tomkins DJ, et al. **Environ Mutagen** 1982;4(3):203–14

Enhancement of the dimethylnitrosamine acute effects in rat liver by prior treatment with triton WR-1339. Díaz Gómez MI, et al. **JNCI** 1981 Nov;67(5):1089–92

Chicken resistance to dimethylnitrosamine acute effects on the liver: a comparative study with other species. Godoy HM, et al. **JNCI** 1982 Sep;69(3):687–91

Hepatotoxicity of dimethylnitrosamine in cats and lizards. Maduagwu EN, et al. **Toxicol Lett** 1981 Sep;9(1):41–4

[Studies on comprehensive evaluation of toxic liver injury (author's transl)] **Eisei Shikenjo Hokoku** 1981;99:156–76 (Eng. Abstr.) **(Jpn)**

[Experimental study of the function and enzyme organization of pulmonary alveolar macrophages in peroral nitrosodimethylamine exposure] Merkur'eva RV, et al. **Biull Eksp Biol Med** 1982 Apr;93(4):41–3 (Eng. Abstr.) **(Rus)**

[Nature of the experimental biological action of low concentrations of a mixture of nitrosodimethylamine, dimethylamine and nitrogen dioxide] Prusakov VM, et al. **Gig Sanit** 1982 Mar;(3):8–11 (Eng. Abstr.) **(Rus)**

URINE

Urinary excretion of dimethylnitrosamine: a quantitative relationship between dose and urinary excretion. Kraft PL, et al. **Carcinogenesis** 1981;2(7):609–12

Dimethylnitrosamine adducts excreted in rat urine. Hemminki K. **Chem Biol Interact** 1982 Mar 15;39(2):139–48

DIMETHYLPOLYSILOXANES see under **SILICONES**

16,16-DIMETHYLPROSTAGLANDIN E2 see under **PROSTAGLANDINS E, SYNTHETIC**

DIMETHYLSTILBESTROL see under **STILBENES**

DIMETHYLTRYPTAMINE see under **TRYPTAMINES**

DIMETRIDAZOLE see under **NITROIMIDAZOLES**

DIMEXIDE see **DIMETHYL SULFOXIDE**

DIMILIN see under **JUVENILE HORMONES**

DIMINAZENE see under **AMIDINES**

DIMORPHOLAMINE see under **MORPHOLINES**

DINITOLMIDE see under **BENZAMIDES**

DINITROBENZENES see under **NITROBENZENES**

DINITROCHLOROBENZENE see under **NITROBENZENES**

DINITROCRESOLS see under **CRESOLS**

DINITROFLUOROBENZENE see under **NITROBENZENES**

DINITROPHENOLS

Specific immunosuppression of IgE response to hapten DNP by linked to monoclonal IgG1 in rats. Pan D, et al. **Experientia** 1982 Apr 15;38(4):508–9

ANALYSIS

A sensitive bioluminescent immunoassay for dinitrophenol and trinitrotoluene. Wannlund J, et al. **Anal Biochem** 1982 May 15;122(2):385–93

IMMUNOLOGY

Hapten and kidney antibodies in serum from children with urinary tract infection. Ahlstedt S, et al. **Acta Pathol Microbiol Scand [C]** 1981 Feb;89(1):29–34

The influence of anti-Ig antisera on the expression of receptors for DNP34-HSA antigen, IgG or IgM and complement and on the secretion of anti-DNP34-HSA antibodies. Długońska H. **Bull Acad Pol Sci [Biol]** 1980; 28(1–2):31–7

The kinetics of rosette-forming cells production in the primary and secondary response to 2,4-dinitrophenyl-human serum albumin. Długońska H. **Bull Acad Pol Sci [Biol]** 1980;28(1–2):25–30

Specificity and heterocliticity of rabbit antisera to the 2,4-dinitrophenyl determinant. Hammer P, et al. **J Immunol** 1982 Jan;128(1):343–50

Generation of monoclonal DNP-specific IgM and IgE murine antibodies on the efficacy of hybridization. Bohn A, et al. **Mol Immunol** 1982 Feb;19(2):193–9

Complement-mediated fragmentation of soluble and insoluble immune complexes containing porcine anti-DNP antibodies. Miklós K, et al. **Mol Immunol** 1982 Feb; 19(2):307–12

The induction and expression of IgA anti-DNP antibodies in rat bile and secretions. Montgomery PC, et al. **Scand J Immunol** 1981;13(6):587–95

PHARMACODYNAMICS

Relation between intestinal blood flow and oxygen uptake. Kvietys PR, et al. **Am J Physiol** 1982 Mar;242(3):G202–8

Testicular effects of dinoseb in rats. Linder RE, et al. **Arch Environ Contam Toxicol** 1982;11(4):475–85

2,4-dinitrophenol stimulation of renal ammoniagenesis. Barnett D, et al. **Biochim Biophys Acta** 1982 Apr 13; 715(2):215–21

Differential effects of ouabain and 2,4-dinitrophenol on contractile tension of and on sodium and calcium efflux from frog heart ventricular strips. Ocampo MC, et al. **Br J Pharmacol** 1981 Oct;74(2):341–51

Nitriphenol compound induces Ca-dependent exocytotic secretion of catecholamines by a direct effect on the plasma membranes of the adrenal medullary cells. Sorimachi M, et al. **Brain Res** 1982 Jan 28;232(1):242–6

Enhanced survival of adriamycin-treated Chinese hamster cells by 2-deoxy-D-glucose and 2,4-dinitrophenol. Colofiore JR, et al. **Cancer Res** 1982 Oct;42(10):3934–40

2,4-Dinitrophenol—mechanism of action. El-Guindy MM, et al. **Cell Mol Biol** 1981;27(5):399–402

Membrane-potential changes caused by 2,4-DNP and related phenols in resting crayfish axons are not due to uncoupling of mitochondria. Kaila K, et al. **Comp Biochem Physiol [C]** 1981;69(2):235–42

Biodistribution and renal excretion of 99mTc-N,N'-bis-(Mercaptoacetamido) ethylenediamine. Effect of renal tubular transport inhibitors. Fritzberg AR, et al. **Int J Nucl Med Biol** 1982;9(1):79–82

Reversal by uncouplers of oxidative phosphorylation and by Ca^{2+} of the inhibition of mitochondrial ATPase activity by the ATPase inhibitor protein of rat skeletal muscle. Yamada EW, et al. **J Biol Chem** 1981 Oct 10; 256(19):10203–7

Effects of hypoxia and metabolic inhibitors on the electrical and mechanical activities of isolated guinea pig papillary muscles. Shigenobu K, et al. **J Pharmacobiodyn** 1981 May; 4(5):317–28

[Influence of various agents on the magnitude of intracellular local changes of resistance] Trifonov IuA, et al. **Biofizika** 1982 Mar-Apr;27(2):273–6 (Eng. Abstr.) **(Rus)**

[New approach to the study of erythrocyte aggregation] Levin GIa, et al. **Biull Eksp Biol Med** 1982 Mar;93(3):94–6 (Eng. Abstr.) **(Rus)**

POISONING

An investigation of suspected dinoseb poisoning after the agricultural use of a herbicide. Smith WD. **Practitioner** 1981 Jun;225(1356):923–6

Dinitrophenol poisoning: a diagnosis to consider in undiagnosed fever. Leftwich RB, et al. **South Med J** 1982 Feb;75(2):182–4

[Increased hazard of dinitrophenol pesticide poisoning against a background of sulfanilamide preparation use] Luk'ianchuk VD, et al. **Gig Tr Prof Zabol** 1981 Aug; (8):49–50 **(Rus)**

TOXICITY

Effect of 2,4 dinitrophenol on the rate of hepatic prostaglandin production. Flynn JT. **Adv Shock Res** 1981; 5:149–62

E-C coupling during poisoning with 2,4-dinitrophenol and recovery in papillary muscle of guinea-pig: 1. Effect on the cardiac mechanical activity. Re GG, et al. **Boll Soc Ital Biol Sper** 1981 Sep 15;57(17):1789–92

E-C coupling during poisoning with 2,4-dinitrophenol and recovery in papillary muscle of guinea-pig: 2. Effect on the cardiac electrical activity. Re GG, et al. **Boll Soc Ital Biol Sper** 1981 Sep 15;57(17):1793–9

Influence of 2,4-dinitrophenol on the susceptibility of rats to hepatotoxic injury. Strubelt O. **Toxicol Lett** 1981 Nov; 9(3):221–4

DINOFLAGELLATES

The red tide [editorial] **Med J Aust** 1981 Jul 11;2(1):3

ANALYSIS

Comparative aspects of basic chromatin proteins in dinoflagellates. Rizzo PJ. **Biosystems** 1981;14(3–4):433–43

X-ray microanalysis of unfixed chromatin in dinoflagellate cells prepared by a monolayer cryotechnique. Sigee DC, et al. **J Biochem Biophys Methods** 1982 Apr;6(1):23–30

Dinoflagellate sterols IV: Isolation and structure of 4 alpha, 23xi, 24xi-trimethylcholestanol from the dinoflagellate Glenodinium hallii. Alam M, et al. **Steroids** 1981 Oct; 38(4):375–82

GENETICS

Chromosome structure and mitosis in the dinoflagellates: an ultrastructural approach to an evolutionary problem. Spector DL, et al. **Biosystems** 1981;14(3–4):289–98

An evaluation of the phylogenetic position of the dinoflagellate Crypthecodinium cohnii based on 5S rRNA characterization. Hinnebusch AG, et al. **J Mol Evol** 1981; 17(6):334–7

PHYSIOLOGY

Differential retention of proteins and bound divalent cations in dinoflagellate chromatin fixed under varied conditions: an x-ray microanalytical study. Sigee DC, et al. **Cytobios** 1982;33(129):51–64

The chemical mimicking of the mechanical stimulation, photoinhibition, and recovery from photoinhibition of bioluminescence in marine dinoflagellate, Gonyaulax polyedra. Hamman JP, et al. **J Cell Physiol** 1982 Jun; 111(3):315–9

ULTRASTRUCTURE

Ultrastructural cytochemistry in a dinoflagellate. I. Preliminary results concerning reaction end-products localized on the surface of crystalline cores of fibrous trichocysts. Gautier A, et al. **Acta Histochem [Suppl] (Jena)** 1979;20:95–104

Presence of intranuclear micro cables in a primitive dinoflagellate protist: morphological description and discussion of their possible evolutionary significance. Soyer MO. **Biosystems** 1981;14(3–4):299–304

Levels of dinoflagellate chromosome-bound metals in conditions of low external ion availability: an x-ray microanalytical study. Sigee DC, et al. **Tissue Cell** 1981; 13(3):441–51

DIO-9 see under **UNCOUPLING AGENTS**

DIOCTOPHYMA RENALE INFECTIONS

DIAGNOSIS

Giant kidney worm in a dog. Celerin AJ, et al. **J Am Vet Med Assoc** 1981 Aug 1;179(3):245–6

DIOCTYL SULFOSUCCINATES see under **SUCCINATES**

DIODONE see **IODOPYRACET**

DIODOXYQUINOLINE see **DIIODOHYDROXYQUIN**

DIOLEFINS see **ALKADIENES**

DIOSGENIN see under **SAPOGENINS**

DIOSMIN see under **BIOFLAVONOIDS**

DIOXANES see under **DIOXINS**

DIOXINS

Polydioxanone: a new synthetic absorbable suture. Berry AR, et al. **J R Coll Surg Edinb** 1981 May;26(3):170–2

Potential 2,3,7,8-tetrachlorodibenzo-p-dioxin exposure of Seveso decontamination workers: a controlled prospective study. Ghezzi I, et al. **Scand J Work Environ Health** 1982; 8 Suppl 1:176–9

Polydioxanone (PDS), a novel monofilament synthetic absorbable suture. Ray JA, et al. **Surg Gynecol Obstet** 1981 Oct;153(4):497–507

[Experimental study in the urinary tract of a new smooth surface absorbable synthetic monofilament (author's transl)] Beurton D, et al. **J Urol (Paris)** 1981;87(5):295–303 (Eng. Abstr.) **(Fre)**

[Tendon sutures with a new monofilament synthetic absorbable suture material (PDS-suture of 6-0 strength). Results of animal experiments] Albers W, et al. **Chirurg** 1982 Mar;53(3):168–71 (Eng. Abstr.) **(Ger)**

[Degradation of the environment. III. Soil hygiene and measures concerning areas affected by TCDD contamination] Alberani V, et al. **Ann Ist Super Sanita** 1981; 17(2):323–35 **(Ita)**

ADVERSE EFFECTS

Rabbit teratology study with 2,3,7,8-tetrachlorodibenzo-p-dioxin. Giavini E, et al. **Environ Res** 1982 Feb;27(1):74–8

Agent Orange: what's it all about? Flowers FP, et al. **J Fla Med Assoc** 1981 Dec;68(12):991–2

Agent orange: government responsibility for the military use of phenoxy herbicides. Lacey P, et al. **J Leg Med (Chicago)** 1982 Mar;3(1):137–78

Data on dioxin [letter] Acheson ED. **Nature** 1982 Jan 14; 295(5845):92

Reviewers pan Agent Orange study plan [news] Holden C. **Science** 1981 Dec 4;214(4525):1107

The Agent Orange controversy—physician's dilemma. Horvath EP Jr. **Wis Med J** 1981 Mar;80(3):16–8

ANALYSIS

Method validation for the determination of tetrachlorodibenzodioxin at the low parts-per-trillion level. Gross ML, et al. **Anal Chem** 1981 Oct;53(12):1902–6

The mass spectrometry of chlorinated dibenzo-p-dioxins. Mahle NH, et al. **Biomed Mass Spectrom** 1982 Feb; 9(2):45–60 (152 ref.)

Analysis of lipids and dioxin in chloracne due to tetrachloro-2,3,7,8-p-dibenzodioxin. Passi S, et al. **Br J Dermatol** 1981 Aug;105(2):137–43

Presence of polychlorinated dibenzo-p-dioxins in latex nipples. Górski T. **Bull Environ Contam Toxicol** 1981 Jul; 27(1):68–71

TCDD contamination in the Seveso incident. Fanelli R, et al. **Drug Metab Rev** 1982;13(3):407–22

Low-resolution multiple ion detection gas chromatographic--mass spectrometric comparison of six extraction--cleanup methods for determining 2,3,7,9-tetrachlorodibenzo-p-dioxin in fish. Brumley WC, et al. **J Agric Food Chem** 1981 Sep-Oct;29(5):1040–6

Radioimmunoassay of chlorinated dibenzo-p-dioxins. Albro PW, et al. **Methods Enzymol** 1982;84 Pt D:619–40

ANTAGONISTS & INHIBITORS

Inhibition of R 28935- and R 29814-induced hypotension by prazosin in anaesthetized normotensive rats. Timmermans PB, et al. **Arch Int Pharmacodyn Ther** 1982 Feb;255(2):309–20

CHEMICAL SYNTHESIS

Studies on hypolipidemic agents. I. Synthesis of 1,3-dioxolanes and 1,3-dioxanes. Eriguchi A, et al. **Chem Pharm Bull (Tokyo)** 1982 Feb;30(2):428–39

Synthesis and pharmacological evaluation of some 2,3-dihydro-3-phenyl-1,4-benzodioxin derivatives. Salimbeni A, et al. **Farmaco [Sci]** 1981 Nov;36(11):932–41

METABOLISM

Identification of metabolites of 2, 3, 7, 8-tetrachlorodibenzo-P-dioxin (TCDD) formed on incubation with isolated rat hepatocytes. Sawahata T, et al. **Biochem Biophys Res Commun** 1982 Mar 15;105(1):341–6

Binding of adrenergic ligands ([3H]clonidine and [3H]WB-4101) to multiple sites in human brain. Weinreich P, et al. **Biochem Pharmacol** 1981 Nov 15;30(22):3115–20

High-affinity binding of 2,3,7,8-tetrachlorodibenzo-p-dioxin in cell nuclei from rat liver. Poellinger L, et al. **Biochim Biophys Acta** 1982 Feb 25;714(3):516–23

Rapid vertical tube rotor gradient assay for binding of 2,3,7,8-tetrachlorodibenzo-p-dioxin to the Ah receptor. Tsui HW, et al. **Can J Physiol Pharmacol** 1981 Sep; 59(9):927–31

Multiple binding sites for [3H]clonidine and [3H]WB-4101 in rat brain. Weinreich P, et al. **Can J Physiol Pharmacol** 1981 Nov;59(11):1170–7

Persistent tissue levels of TCDD in the mouse and their reduction as related to prevention of toxicity. Manara L, et al. **Drug Metab Rev** 1982;13(3):423–46

Cytosolic and nuclear binding of 2,3,7,8-tetrachlorodibenzo-p-dioxin to the Ah receptor in extra-hepatic tissues of rats and mice. Mason ME, et al. **Eur J Biochem** 1982 Mar;123(1):209–15

A microbial metabolite of TCDD. Philippi M, et al. **Experientia** 1982 Jun 15;38(6):659–61

Structure elucidation of mammalian TCDD-metabolites. Poiger H, et al. **Experientia** 1982 Apr 15;38(4):484–6

New pathways for chlorinated dioxins [news] Hay A. **Nature** 1981 Dec 10;294(5841):514–5

3H-WB 4101 binding in the rat vas deferens. Effects of chronic treatments with desipramine and prazosin. Wetzel HW, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1981 Nov;317(3):187–92

Elimination of 2,3,7,8-tetrachlorodibenzo-p-dioxine in goat milk. Arstila AU, et al. **Toxicol Lett** 1981 Nov;9(3):215–9

Transfer of 2,3,7,8-tetrachlorodibenzo-p-dioxin (TCDD) to the mouse embryo and fetus. Nau H, et al. **Toxicology** 1981; 20(4):299–308

PHARMACODYNAMICS

Pre- and postsynaptic a-adrenoceptor blockade by (imidazolinyl-2)-2-benzodioxane 1-4 (170 150): antagonistic action on the central effects of clonidine. Dabiré H, et al. **Arch Int Pharmacodyn Ther** 1981 Dec; 254(2):252–70

Hypotensive properties of benzodioxane derivatives structurally related to R 28935. Comparison of activity with some receptor affinities. Timmermans PB, et al. **Arch Int Pharmacodyn Ther** 1982 Feb;255(2):321–34

Effects of dioxane on RNA synthesis in the rat liver. Kurl RN, et al. **Arch Toxicol** 1981 NOV;49(1):29–33

Reversal of clonidine induced miosis by the alpha 2-adrenoreceptor antagonist RX 781094. Clifford JM, et al. **Br J Clin Pharmacol** 1982 Jul;14(1):99–101

Properties of a novel series of inhibitors of rumen methanogenesis; in vitro and in vivo experiments including growth trials on 2,4-bis (trichloromethyl)-benzo [1, 3]dioxin-6-carboxylic acid. Davies A, et al. **Br J Nutr** 1982 May;47(3):565–76

Effect of 2,3,7,8-tetrachlorodibenzo-p-dioxin and phenobarbital on the occurrence and distribution of four cytochrome P-450 isozymes in rabbit kidney, lung, and liver. Dees JH, et al. **Cancer Res** 1982 Apr;42(4):1423–32

Metabolism of benzo[a]pyrene in rat prostate glands following 2,3,7,8-tetrachlorodibenzo-p-dioxin exposure. Lee IP, et al. **Carcinogenesis** 1981;2(9):823–31

Chronotropic responses to WB4101 in anaesthetised and conscious rats. Mottram DR, et al. **Gen Pharmacol** 1981; 12(6):471–5

2-Benzodioxinylaminoethanols: a new class of beta-adrenergic blocking and antihypertensive agents. Lalloz L, et al. **J Med Chem** 1981 Aug;24(8):994–8

Differential blockade of pre- and postsynaptic alpha-adrenoceptors by the 2-R and 2-S enantiomers of WB4101. Mottram DR. **J Pharm Pharmacol** 1981 Dec; 33(12):767–71

Effects of 2,3,7,8-tetrachlorodibenzo-p-dioxin on hepatic and renal prostaglandin synthetase. Kohli KK, et al. **Life Sci** 1981 Jul 20;29(3):299–305

Evidence in favour of a selective alpha 1-adrenoceptor blocking action of WB 4101 in vivo. Drew GM. **Naunyn Schmiedebergs Arch Pharmacol** 1982 Jun; 319(3):222–5

Induction of mixed-function oxidase by chronic treatment with 2,3,7,8-tetrachloro-dibenzo-p-dioxin in female rats. Cantoni L, et al. **Toxicology** 1981;21(2):159–67

[Effect of pyrroxan and butyroxan on the concentration and release of norepinephrine in the brain of albino rats] Podosinovikiva MP, et al. **Biull Eksp Biol Med** 1982 Mar; 93(3):42–4 **(Rus)**

[Ultrastructural changes in the pituitary gland during tetanus intoxication and effects of butyroxan] Rumbesht LM, et al. **Biull Eksp Biol Med** 1982 Feb;93(2):63–5 **(Rus)**

[Effect of pyrroxan and methylapogalanthamine on cerebral circulation and the brain's oxygen regime] Pogorelyĭ VE. **Farmakol Toksikol** 1981 Mar-Apr;44(2):167–70 (Eng. Abstr.) **(Rus)**

[Effect of single administration of adrenergic alpha receptor blockader piroxan on bronchial patency in patients with bronchial asthma] Zonis IaM, et al. **Ter Arkh** 1981; 53(11):108–10 (Eng. Abstr.) **(Rus)**

POISONING

Survey of reproductive events of wives of employees exposed to chlorinated dioxins. Townsend JC, et al. **Am J Epidemiol** 1982 May;115(5):695–713

Tetrachlorodibenzodioxin: a survey of subjects ten years after exposure. May G. **Br J Ind Med** 1982 May;39(2):128–35

Epidemiological problems with TCDD (a critical view). Tognoni G, et al. **Drug Metab Rev** 1982;13(3):447–69

Light at end of tunnel in Orange controversy [news] Gunby P. **JAMA** 1982 Mar 12;247(10):1382

Seveso after five years [editorial] **Lancet** 1981 Oct 3; 2(8249):731–2

Phenoxy herbicides, trichlorophenols, and soft-tissue sarcomas [letter] Hay A. **Lancet** 1982 May 29;1(8283):1240

Five years after Seveso [letter] Santi L, et al. **Lancet** 1982 Feb 6;1(8267):343–4

Thoracic soft-tissue sarcoma in Vietnam veterans exposed to Agent Orange [letter] Sarma PR, et al. **N Engl J Med** 1982 May 6;306(18):1109

Considerations on the epidemiology of the Seveso accident [letter] Terracini B. **Toxicol Eur Res** 1981 Sep;3(5):262–3

STANDARDS

PDS (polydioxanone suture): a new synthetic absorbable suture in cataract surgery. A preliminary study. Bartholomew RS. **Ophthalmologica** 1981;183(2):81–5

THERAPEUTIC USE

[Trial of using neurotropic preparations (difenin and pyrroxan) for the purpose of prophylactic anticrisis treatment of hypertension] Kotovskaia ES, et al. **Biull Vsesoiuznogo Kardiol Nauchn Tsentra AMN SSSR** 1982;5(1):75–9 (Eng. Abstr.) **(Rus)**

[Pyrroxan and clofelin effectiveness in hypertensive crises] Seliuzhitskiĭ NS. **Vrach Delo** 1982 Jun;(6):57–9 (Eng. Abstr.) **(Rus)**

TOXICITY

Agent orange [editorial] **Am Fam Physician** 1982 Apr; 25(4):91–2

2,3,7,8-tetrachlorodibenzo-p-dioxin and related halogenated aromatic hydrocarbons: examination of the mechanism of toxicity. Poland A, et al. **Annu Rev Pharmacol Toxicol** 1982; 22:517–54 (221 ref.)

Induction of porphyria in the rat by chronic versus acute exposure to 2,3,7,8-tetrachlorodibenzo-p-dioxin. Goldstein JA, et al. **Biochem Pharmacol** 1982 Apr 15;31(8):1607–13

Hepatic toxicity and uroporphyrinogen decarboxylase activity following a single dose of 2,3,7,8-tetrachlorodibenzo-p-dioxin to mice. Smith AG, et al. **Biochem Pharmacol** 1981 Oct;30(20):2825–30

Increased urinary D-glucaric acid excretion by children living in an area polluted with tetrachlorodibenzoparadioxin (TCDD). Ideo G, et al. **Clin Chim Acta** 1982 Apr 23;120(3):273–83

Effects of dietary vitamin A (retinol) on the reduction of hepatic retinol storage caused by 2, 3, 7, 8-tetrachlorodibenzo-p-dioxin. Thunberg T, et al. **Dev Toxicol Environ Sci** 1980;8:521–4

TCDD toxicology with particular reference to Seveso: introductory remarks. Garattini S. **Drug Metab Rev** 1982; 13(3):345–53 (36 ref.)

Toxicity of 2, 3, 7, 8-tetrachlorodibenzo-p-dioxin (TCDD). Kociba RJ, et al. **Drug Metab Rev** 1982;13(3):387–406 (69 ref.)

The toxicokinetics of 2, 3, 7, 8-tetrachlorodibenzo-p-dioxin in mammalian systems. Neal RA, et al. **Drug Metab Rev** 1982;13(3):355–85 (57 ref.)

Chloracne following environmental contamination by TCDD in Seveso, Italy. Caramaschi F, et al. **Int J Epidemiol** 1981 Jun;10(2):135–43

Intestinal absorption of nutrients in rats treated with 2,3,7,8-tetrachlorodibenzo-p-dioxin (TCDD). Ball LM, et al. **J Toxicol Environ Health** 1981 Oct;8(4):629–38

Development and viability of offspring of male mice treated with chlorinated phenoxy acids and 2,3,7,8-tetrachlorodibenzo-p-dioxin. Lamb JC 4th, et al. **J Toxicol Environ Health** 1981 Nov-Dec;8(5–6):835–44

Male fertility, sister chromatid exchange, and germ cell toxicity following exposure to mixtures of chlorinated phenoxy acids containing 2,3,7,8-tetrachlorodibenzo-p-dioxin. Lamb JC 4th, et al. **J Toxicol Environ Health** 1981 Nov-Dec;8(5–6):825–34

Toxicity of chlorinated phenoxy acids in combination with 2,3,7,8-tetrachlorodibenzo-p-dioxin in C57BL/6 male mice. Lamb JC 4th, et al. **J Toxicol Environ Health** 1981 Nov-Dec;8(5–6):815–24

Cardiovascular teratogenicity of 2, 3, 7, 8-tetrachlorodibenzo-p-dioxin in the chick embryo. Cheung MO, et al. **Toxicol Appl Pharmacol** 1981 Nov; 61(2):197–204

The role of iron in the toxicity of 2,3,7,8-tetrachlorodibenzo-(p)-dioxin (TCDD). Jones KG, et al. **Toxicol Appl Pharmacol** 1981 Oct;61(1):74–88

Differentiation of the mechanisms of oncogenicity of 1,4-dioxane and 1,3-hexachlorobutadiene in the rat. Stott WT, et al. **Toxicol Appl Pharmacol** 1981 Sep 15; 60(2):287–300

TCDD embryotoxicity in the mouse may be enhanced by beta-naphthoflavone, another ligand of the Ah-receptor. Hassoun EM, et al. **Toxicol Lett** 1982 Jul;12(2-3):191–8

The influence of malnutrition on the toxicity of 2,3,7,8-tetrachlorodibenzo-p-dioxin (TCDD) in rats. van Logten MJ, et al. **Toxicology** 1981;21(1):77–88

Acnegenic activity of 3-methylcholanthrene and benzo[a]pyrene, and a comparative study with 2,3,7,8-tetrachlorodibenzo-p-dioxin in the rabbit and hairless mouse. Vos JG, et al. **Toxicology** 1982; 23(2-3):187–96

DIOXOLANES see under **DIOXOLES**

DIOXOLES

ANALYSIS

Variation of myristicin content in cultivated parsnip roots (Pastinaca sativa ssp. sativa var. hortensis). Stahl E. **J Agric Food Chem** 1981 Jul-Aug;29(4):890–2

CHEMICAL SYNTHESIS

Studies on hypolipidemic agents. I. Synthesis of 1,3-dioxolanes and 1,3-dioxanes. Eriguchi A, et al. **Chem Pharm Bull (Tokyo)** 1982 Feb;30(2):428–39

Novel antimicrobial compounds among naphthalene and methylenedioxyphenyl derivatives. Moussa HH, et al. **Pharmazie** 1981 Dec;36(12):805–7

METABOLISM

The relationship between the metabolism and toxicity of benzodioxole compounds. Bridges JW, et al. **Adv Exp Med Biol** 1981;136 Pt B:881–93

Safrole: its metabolism, carcinogenicity and interactions with cytochrome P-450. Ioannides C, et al. **Food Cosmet Toxicol** 1981 Oct;19(5):657–66 (84 ref.)

The in vivo formation and repair of DNA adducts from 1'-hydroxysafrole. Phillips DH, et al. **J Supramol Struct Cell Biochem** 1981;16(1):83–90

[Pharmacokinetic study of 3H-stiripentol in rats (author's transl)] Pieri F, et al. **Eur J Drug Metab Pharmacokinet** 1982 Jan-Mar;7(1):5–10 (Eng. Abstr.) **(Fre)**

PHARMACODYNAMICS

Amino-terminal and carboxy-terminal sequence of hepatic microsomal cytochrome P-450d, a unique hemoprotein from rats treated with isosafrole. Botelho LH, et al. **Biochemistry** 1982 Mar 16;21(6):1152–5

Alteration of smooth muscle contractility after muscarinic agonist-induced K+ loss. James-Kracke MR, et al. **Br J Pharmacol** 1981 Apr;72(4):609–19

A comparative clinical study of dioxonium and pancuronium as muscle relaxants in small children. Iisalo EU, et al. **Int J Clin Pharmacol Ther Toxicol** 1981 Jun;19(6):260–5

Discriminative stimulus and reinforcing properties of etoxadrol and dexoxadrol in monkeys. Brady KT, et al. **J Pharmacol Exp Ther** 1982 Jan;220(1):56–62

Metabolic-intermediate complex formation reveals major changes in rat hepatic cytochrome P-450 subpopulations in addition to those forms previously purified after phenobarbital, beta-naphthoflavone, and isosafrole

induction. Bornheim LM, et al. **Mol Pharmacol** 1982 Mar; 21(2):527–32

Genotoxicity of safrole-related chemicals in microbial test systems. Sekizawa J, et al. **Mutat Res** 1982 Apr; 101(2):127–40

Anti-inflammatory activity of piperonyl-4-acrylic isobutyl amide, an extractive from Zanthoxylum zanthoxyloides. Oriowo MA. **Planta Med** 1982 Jan;44(1):54–6

[Mechanism of the action of Yuanhuacine to induce labor during mid pregnancy (author's transl)] Yang BY. **Chung Hua I Hsueh Tsa Chih** 1981 Oct;61(10):613–6 (Eng. Abstr.) **(Chi)**

[Uterine contraction and pyrogenic action of yuanhuacine (author's transl)] Lu XR, et al. **Chung Kuo Yao Li Hsueh Pao** 1981 Sep;2(3):186–8 (Eng. Abstr.) **(Chi)**

TOXICITY

Mutagenicity of trans-anethole, estragole, eugenol, and safrole in the Ames Salmonella typhimurium assay. To LP, et al. **Bull Environ Contam Toxicol** 1982 Jun;28(6):647–54

URINE

Metabolism in rats of several carboxylic acid derivatives containing the 3,4-methylenedioxyphenyl group. Klungsøyr J, et al. **Acta Pharmacol Toxicol (Copenh)** 1981 Oct;49(4):305–12

DIPALMITOYL LECITHIN see **PULMONARY SURFACTANT**

DIPALMITOYL PHOSPHATIDYLCHOLINE see **PULMONARY SURFACTANT**

DIPEPTIDASES

ANALYSIS

Angiotensin-converting enzyme measured in mouse tissue by inhibition of histidyl-leucine peptidase. Hara A, et al. **Biochem Med** 1981 Oct;26(2):199–210

Fluorimetric assay for prolinase and partial characterisation in cultured skin fibroblasts. Butterworth J, et al. **Clin Chim Acta** 1982 Jun 16;122(1):51–60

ANTAGONISTS & INHIBITORS

Angiotensin-converting enzyme measured in mouse tissue by inhibition of histidyl-leucine peptidase. Hara A, et al. **Biochem Med** 1981 Oct;26(2):199–210

DEFICIENCY

Autosomal recessive prolidase deficiency. Three patients with recalcitrant ulcers. Ogata A, et al. **Arch Dermatol** 1981 Nov;117(11):689–97

Prolidase deficiency: an inborn error of metabolism with major dermatological manifestations. Der Kaloustian VM, et al. **Dermatologica** 1982 May;164(5):293–304

Homocarnosinosis: hypercarnosinuria. Lunde H, et al. **J Neurochem** 1982 Jan;38(1):242–5

Human erythrocyte prolidase and prolidase deficiency. Endo F, et al. **Pediatr Res** 1982 Mar;16(3):227–31

Studies on prolidase deficiency with a possible defect in collagen metabolism. Isemura M, et al. **Tohoku J Exp Med** 1981 May;134(1):21–8

DIAGNOSTIC USE

[In situ – demonstration of helper-T-lymphocytes in cutaneous malignant lymphomas by diaminopeptidase IV (DAP IV)] Sterry W, et al. **Z Hautkr** 1982 Apr 15; 57(8):567–76 (Eng. Abstr.) **(Ger)**

GENETICS

Genetic, ontogenetic, and tissue-specific variation of dipeptidases in Drosophila melanogaster. Laurie-Ahlberg CC. **Biochem Genet** 1982 Jun;20(5–6):407–24

Genetic variation for prolidase (PEP-4) in the mouse maps near the gene for glucosephosphate isomerase (GPI-1) on chromosome 7. Skow LC. **Biochem Genet** 1981 Aug; 19(7–8):695–700

Peptidase isozymes of the leopard frog Rana pipiens: properties and genetics. Wright DA, et al. **J Exp Zool** 1982 Jul 1;221(3):283–93

METABOLISM

Enzymatic inactivation of SRS-Cys-Gly (leukotriene D). Sok DE, et al. **Biochem Biophys Res Commun** 1981 Jul 16;101(1):222–9

Enzymehistochemical staining of T mu lymphocytes for glycyl-proline-4-methoxy-beta-naphthylamide-peptidase (DAP IV). Feller AC, et al. **Br J Haematol** 1982 Jun; 51(2):227–34

Fluorimetric assay for prolinase and partial characterisation in cultured skin fibroblasts. Butterworth J, et al. **Clin Chim Acta** 1982 Jun 16;122(1):51–60

Glutathione-degrading enzymes of microvillus membranes. Kozak EM, et al. **J Biol Chem** 1982 Jun 10;257(11):6322–7

Developmental changes in the activities of prolinase and prolidase in rat salivary glands, and the effect of thyroxine administration. Imai K, et al. **Mol Cell Biochem** 1982 Jan 16;42(1):31–6

[Heterogeneity of the functional properties of macrocolonies of rat small intestine epitheliocytes] Nesterenko VS. **Biull Eksp Biol Med** 1981 Jun;91(6):741–3 (Eng. Abstr.) **(Rus)**

[Dipeptidase activity of different sections of the small intestine in exocrine pancreatic failure] Shatalov VN, et al. **Patol Fiziol Eksp Ter** 1982 Mar-Apr;(2):57–60 (Eng. Abstr.) **(Rus)**

DIPEPTIDES

Amino acids and peptides. II. Modification of glycylglycine bond in methionine enkephalin. Kawasaki K, et al. **Biochem Biophys Res Commun** 1982 May 14;106(1):113–6

Specificity in protein-nucleic acid interaction: involvement of nucleic acids in non-enzymatic peptide condensation. Basu HS, et al. **Indian J Biochem Biophys** 1981 Aug; 18(4):251–3

N-Methyl peptides. IV. Water and beta-turn in peptides. Crystal structure of N-pivaloyl-L-prolyl-N,N'-dimethyl-D-alaninamide in the anhydrous and monohydrated states. Aubry A, et al. **Int J Pept Protein Res** 1981 Aug;18(2):195–202

Thermal perturbation spectrophotometry of luliberin and model His-Trp peptides. Bello J, et al. **Int J Pept Protein Res** 1981 Apr;17(4):460–8

Cleavage of dehydroalanine-containing peptides with mercuric acetate. Edge AS, et al. **Int J Pept Protein Res** 1981 Jul;18(1):1–5

Conformational characteristics of the N-acetyl-N'-methylamides of the four (Lys, Tyr) dipeptides. Rae ID, et al. **Int J Pept Protein Res** 1981 May; 17(5):575–92

N-methyl peptides. III. Solution conformational study and crystal structure of N-pivaloyl-L-prolyl-N-methyl-N'-isopropyl-L-alanina Vitoux B, et al. **Int J Pept Protein Res** 1981 Apr; 17(4):469–79

Complexation of acetyl-D-alanyl-D-alanine by antibiotic A35512B. Hunt AH, et al. **J Antibiot (Tokyo)** 1981 Apr; 34(4):469–71

Enthalpy and entropy of transfer of amino acids and diglycine from water to aqueous polyol solutions. Gekko K. **J Biochem (Tokyo)** 1981 Dec;90(6):1643–52

Mechanism of polyol-induced protein stabilization: solubility of amino acids and diglycine in aqueous polyol solutions. Gekko K. **J Biochem (Tokyo)** 1981 Dec;90(6):1633–41

Free activation energies and activation volumes for the amide rotation in some peptides studied by high pressure 1H-high resolution NMR. Hauer H, et al. **Z Naturforsch [C]** 1982 Jan-Feb;37(1–2):51–6

[Significance of the amidolytic method in the typing of congenital antithrombin III deficiency] Losonczy H, et al. **Folia Haematol (Leipz)** 1982;109(1):184–8 **(Ger)**

ADVERSE EFFECTS

'Scalded mouth' caused by angiotensin-converting-enzyme inhibitors. Vlasses PH, et al. **Br Med J [Clin Res]** 1982 Jun 5;284(6330):1672–3

Renal glycosuria and azotemia after enalapril maleate (MK-421) [letter] Cressman MD, et al. **Lancet** 1982 Aug 21;2(8295):440

Enalapril (MK-421) and the white cell count and haematocrit [letter] Griffing GT, et al. **Lancet** 1982 Jun 12;1(8285):1361

Reversible leucopenia associated with angiotensin-converting-enzyme inhibitor MK 421 [letter] Studer A, et al. **Lancet** 1982 Feb 20;1(8269):458

Aspartame and other sweeteners. **Med Lett Drugs Ther** 1982 Jan 8;24(600):1–2

Potential toxicity of a new sugar substitute in patients with liver disease [letter] Uribe M. **N Engl J Med** 1982 Jan 21; 306(3):173–4

ANALYSIS

Location of the intermolecular cross-links in bovine dentin collagen, solubilization with trypsin and isolation of cross-link peptides containing dihydroxylysinonorleucine and pyridinoline. Kuboki Y, et al. **Biochem Biophys Res Commun** 1981 Sep 16;102(1):119–26

[Fluorimetry in pharmaceutical analysis. III. Fluorimetric determination of alpha-L-aspartyl-L-phenylalanine methylester hydrochloride (aspartame)] Počtová M, et al. **Cesk Farm** 1982 May;31(3–4):113–5 (Eng. Abstr.) **(Cze)**

[X-ray structural studies of pepsin binding of phenylalanyldiiodotyrosine at 3 A resolution] Andreeva NS, et al. **Dokl Akad Nauk SSSR** 1981;259(5):1261–4 **(Rus)**

BIOSYNTHESIS

Putrescine as a regulator of epsilon-(gamma-glutamyl)lysine isopeptide production and the proliferative state. Patterson MK Jr, et al. **Cell Biol Int Rep** 1982 May;6(5):461–70

Biosynthesis of carnosine and related peptides by glial cells in primary culture. Bauer K, et al. **J Biol Chem** 1982 Apr 10;257(7):3593–7

BLOOD

Cystinylglycine in plasma: diagnostic relevance for pyroglutamic acidemia, homocystinuria, and phenylketonuria. Perry TL, et al. **Clin Chim Acta** 1981 Nov 25;117(1):7–12

Effects of enalapril, a new converting enzyme inhibitor, in hypertension. Ferguson RK, et al. **Clin Pharmacol Ther** 1982 Jul;32(1):48–53

Carnosine levels in blood. Seely JE, et al. **Experientia** 1981 Dec 15;37(12):1256–7

[Quantitative assay of homocarnosine in cerebrospinal fluid and blood] Bondarenko TI, et al. **Lab Delo** 1982;(4):204–6 **(Rus)**

CEREBROSPINAL FLUID

Studies on homocarnosine in cerebrospinal fluid in infancy and childhood. Part I. Homocarnosine level in cerebrospinal fluid of normal infants and children. Takahashi H. **Brain Dev** 1981;3(3):255–61

Studies on homocarnosine in cerebrospinal fluid in infancy and childhood. Part II. Homocarnosine levels in cerebrospinal fluid from children with epilepsy, febrile convulsion or meningitis. Takahashi H. **Brain Dev** 1981; 3(3):263–70

Homocarnosinosis: hypercarnosinuria. Lunde H, et al. **J Neurochem** 1982 Jan;38(1):242–5

[Quantitative assay of homocarnosine in cerebrospinal fluid and blood] Bondarenko TI, et al. **Lab Delo** 1982;(4):204–6 **(Rus)**

CHEMICAL SYNTHESIS

Synthesis and immunoadjuvant activities of the repeating, disaccharide-dipeptide unit of the bacterial, cell-wall peptidoglycan and of some carbohydrate analogs. Kiso M, et al. **Carbohydr Res** 1982 Jun 16;104(2):253–69

Lysosomotropic agents. 4. Carbobenzoxyglycylphenylalanyl, a new protease-sensitive masking group for introduction into cells. Firestone RA, et al. **J Med Chem** 1982 May; 25(5):539–44

Peptide sweeteners. 5. Side-chain homologues relating zwitterionic and trifluoroacetylated amino acid anilide and dipeptide sweeteners. Kawai M, et al. **J Med Chem** 1982 Apr;25(4):397–402

Novel synthesis of (S)-1-[5-(benzoylamino)-1,4-dioxo-6-phenylhexyl]-L-pr and analogues: potent angiotensin converting enzyme inhibitors. Meyer RF, et al. **J Med Chem** 1981 Aug; 24(8):964–9

ISOLATION & PURIFICATION

Histidinoalanine, a new crosslinking amino aicd, in calcified tissue collagen. Fujimoto D, et al. **Biochem Biophys Res Commun** 1982 Feb 11;104(3):1102–6

METABOLISM

Calcium induction of transglutaminase and the formation of epsilon(gamma-glutamyl) lysine cross-links in cultured mouse epidermal cells. Hennings H, et al. **Biochem Biophys Res Commun** 1981 Sep 30;102(2):739–45

Kinetic solvent isotope effects on the deacylation of specific acyl-papains. Proton inventory studies on the papain-catalysed hydrolyses of specific ester substrates: analysis of possible transition state structures. Szawelski RJ, et al. **Biochem J** 1981 Dec 1;199(3):681–92

A thioamide substrate of carboxypeptidase A. Bartlett PA, et al. **Biochemistry** 1982 Mar 30;21(7):1608–11

Characteristics of dipeptide transport in normal and papain-treated brush border membrane vesicles from mouse intestine. I. Uptake of glycyl-L-phenylalanine. Berteloot A, et al. **Biochim Biophys Acta** 1981 Dec 7; 649(2):179–88

Characteristics of dipeptide transport in normal and papain-treated brush border membrane vesicles from mouse intestine. II. Uptake of glycyl-L-leucine. Berteloot A, et al. **Biochim Biophys Acta** 1982 Mar 23;686(1):47–54

Evidence for a dipeptide transport system in renal brush border membranes from rabbit. Ganapathy V, et al. **Biochim Biophys Acta** 1981 Apr 6;642(2):381–91

Mechanisms of inhibition of glycylglycine transport by glycyl-L-leucine and L-leucine in guinea-pig small intestine. Himukai M, et al. **Biochim Biophys Acta** 1982 May 7;687(2):170–8

Analgesic dipeptide, kyotorphin (Tyr-Arg), is highly concentrated in the synaptosomal fraction of the rat brain. Ueda H, et al. **Brain Res** 1982 Jan 7;231(1):222–4

Uptake of L-valyl-L-valine and glycylsarcosine by hamster jejunum in vitro. Burston D, et al. **Clin Sci** 1982 Jun; 62(6):617–26

The physiological disposition and metabolism of enalapril maleate in laboratory animals. Tocco DJ, et al. **Drug Metab Dispos** 1982 Jan-Feb;10(1):15–9

Hydrolysis of the isopeptide bond of epsilon-N-L-methionyl-L-lysine by intestinal aminopeptidase N. Gaertner H, et al. **FEBS Lett** 1981 Oct 12;133(1):135–8

Hydrophobic interaction in thermolysin specificity. Pank M, et al. **FEBS Lett** 1982 Jun 7;142(2):297–300

Developmental changes of N-acetyl-L-aspartic acid, N-acetyl-alpha-aspartylglutamic acid and beta-citryl-L-glutamic acid in different brain regions and spinal cords of rat and guinea pig. Miyake M, et al. **J Neurochem** 1981 Oct;37(4):1064–7

Carnosine in primary afferents of the olfactory system: an autoradiographic and biochemical study. Burd GD, et al.

J Neurosci 1982 Feb;2(2):244–55

Effect of papain treatment on dipeptide transport into rabbit intestinal brush border vesicles. Ganapathy V, et al. **Life Sci** 1981 Dec 14;29(24):2451–7

Effect of ethanol on glycylsarcosine absorption. Hajjar JJ, et al. **Life Sci** 1981 Oct 5;29(14):1403–7

gamma–Glutamylamine cyclotransferase. An enzyme involved in the catabolism of epsilon–(gamma–glutamyl)lysine and other gamma–glutamylamines. Fink ML, et al. **Mol Cell Biochem** 1981 Aug 11;38 Spec No(Pt 1):59–67

Protease activities in normal and schizophrenic human prefrontal cortex and white matter. Pope A, et al. **Neurochem Res** 1981 Oct;6(10):1043–52

Does homocarnosine mediate the dyskinetic movements induced by gaba–transaminase inhibitors. Robin MM, et al. **Neuropharmacology** 1982 May;21(5):479–82

Development of dipeptide transport in the intestinal mucosa of rabbits. Guandalini S, et al. **Pediatr Res** 1982 Feb; 16(2):99–103

[Effect of hyperbaric oxygenation on homocarnosine metabolism in the brains of rabbits of different ages] Krichevskaia AA, et al. **Vopr Med Khim** 1982 Mar–Apr; 28(2):125–8 (Eng. Abstr.) **(Rus)**

PHARMACODYNAMICS

Effect of His–Phe, a competitive inhibitor of histidine decarboxylase, on gastric acid secretion in chronic gastric fistula rats: delay in acid secretion response to pentagastrin. Mattsson M, et al. **Agents Actions** 1982 Apr;12(1–2):176–8

Comparison in normal volunteers of three converting enzyme inhibitors: RHC 3659, MK 421 and captopril. Burnier M, et al. **Am J Cardiol** 1982 Apr 21;49(6):1550–1

In vivo comparison of three orally active inhibitors of angiotensin–converting enzyme. DiNicolantonio R, et al. **Am J Cardiol** 1982 Apr 21;49(6):1502–4

Effect of aspartame and sucrose loading in glutamate–susceptible subjects. Stegink LD, et al. **Am J Clin Nutr** 1981 Sep;34(9):1899–905

Neutrophil bipolar shape formation in whole blood. A simple and rapid method for the assessment of neutrophil leukocyte responsiveness. Jadwin DF, et al. **Am J Clin Pathol** 1981 Oct;76(4):395–402

The lipid integrity of membranes of guinea pig alveolar macrophages studied by nanosecond fluorescence decay of 1,6–diphenyl–1,3,5–hexatriene: the effect of stimulation by concanavalin A and formyl peptides. Cherenkevich SN, et al. **Arch Biochem Biophys** 1982 Mar;214(1):299–304

Inhibition of thermolysin by N–carboxymethyl dipeptides. Maycock AL, et al. **Biochem Biophys Res Commun** 1981 Oct 15;102(3):963–9

Mechanisms of inhibition of glycylglycine transport by glycyl–L–leucine and L–leucine in guinea–pig small intestine. Himukai M, et al. **Biochim Biophys Acta** 1982 May 7;687(2):170–8

Effect of a new angiotensin converting enzyme inhibitor MK 421 and its lysine analogue on the components of the renin system in healthy subjects. Brunner DB, et al. **Br J Clin Pharmacol** 1981 May;11(5):461–7

The effect of melanotrophin release inhibiting factor (MIF) and cyclo (Leu–Gly) on the tolerance to morphine–induced antinociception in the rat: a dose–response study. Bhargava HN. **Br J Pharmacol** 1981 Apr;72(4):707–14

Relation of plasma renin activity to the antihypertensive effect of MK 421 in the rat. Bradshaw D, et al. **Br J Pharmacol** 1982 May;76(1):163–8

Mechanism of kyotorphin–induced release of Met–enkephalin from guinea pig striatum and spinal cord. Shiomi H, et al. **Brain Res** 1981 Sep 21;221(1):161–9

In vivo potentiation of [D–Ala2]Met–enkephalin amide central effects after administration of an enkephalinase inhibitor. Algeri S, et al. **Eur J Pharmacol** 1981 Sep 11; 74(2–3):261–2

Phosphoryl–Leu–Phe: a potent inhibitor of the degradation of enkephalin by enkephalinase. Altstein M, et al. **Eur J Pharmacol** 1981 Dec 3;76(2–3):299–300

Induction of angiotensin–converting enzyme with the ACE inhibitory compound MK–421 in rat lung. Forslund T, et al. **Eur J Pharmacol** 1982 May 7;80(1):121–5

MK 421 and prevention of genetic hypertension development in young spontaneously hypertensive rats. Richer C, et al. **Eur J Pharmacol** 1982 Apr 8;79(1–2):23–9

Relationship between angiotensin I blockade and antihypertensive properties of single doses of MK–421 and captopril in spontaneous and renal hypertensive rats. Sweet CS, et al. **Eur J Pharmacol** 1981 Dec 3;76(2–3):167–76

A characterization of kyotorphin (Tyr–Arg)–induced antinociception. Vaught JL, et al. **Eur J Pharmacol** 1982 Apr 23;79(3–4):167–73

Effect of the chemotactic peptide on the subsequent superoxide releasing response in human polymorphonuclear leukocytes. Kitagawa S, et al. **FEBS Lett** 1981 Jun 1; 128(1):5–8

Acetohydroxy acid synthase is a target for leucine containing peptide toxicity in Escherichia coli. Gollop N, et al. **J Bacteriol** 1982 Jan;149(1):387–90

An evaluation of gamma–glutamyl dipeptide derivatives as antagonists of amino acid–induced Na+ fluxes in rat striatum slices. Tal N, et al. **J Neurochem** 1982 Aug; 39(2):574–6

Angiotensin converting enzyme inhibition in tissues from spontaneously hypertensive rats after treatment with captopril or MK–421. Cohen ML, et al. **J Pharmacol Exp Ther** 1982 Jan;220(1):63–9

Effects of N–acetyl–L–carnosine aluminum (CL–1700) on various acute gastric lesions and gastric secretion in rats. Okabe S, et al. **Jpn J Pharmacol** 1981 Dec;31(6):941–50

Unsuitability of glycylglycine, phosphate and tris–(hydroxymethyl)aminomethane buffer solutions for the field potentials of guinea pig olfactory cortical slice. Fujii T, et al. **Jpn J Physiol** 1981;31(5):763–7

Enhanced response to apomorphine in rats treated with multiple injections of human beta endorphin and its blockade by Pro–Leu–Gly–NH2 and cyclo (Leu–Gly). Bhargava HN. **Life Sci** 1981 Nov 9;29(19):1945–9

Kyotorphin (tyrosine–arginine): further evidence for indirect opiate receptor activation. Rackham A, et al. **Life Sci** 1982 Apr 19;30(16):1337–42

Modification of morphine–induced changes in striatal (3H)–spiroperidol binding and stereotype–behavior by cyclo(Leu–Gly). Ritzmann RF, et al. **Life Sci** 1982 May 3;30(18):1573–80

Total serum angiotensin converting enzyme activity in rats and dogs after enalapril maleate (MK–421). Ulm EH, et al. **Life Sci** 1982 Apr 5;30(14):1225–30

The effects of peptides on tolerance to the cataleptic and hypothermic effects of morphine in the rat. Bhargava HN. **Neuropharmacology** 1981 Apr;20(4):385–90

Hypothalamic peptide hormone, prolyl–leucyl–glycinamide and analog, inhibit tolerance to the analgesic and locomotor depressant but not to the locomotor stimulant effects of morphine in the mouse. Bhargava HN. **Neuropharmacology** 1982 Mar;21(3):227–33

Effect of amino acids and dipeptides on ethanol absorption across the rat intestine. Hajjar JJ, et al. **Pharmacology** 1981; 23(4):177–84

Kyotorphins affect aversive pecking in chicks. Kastin AJ, et al. **Physiol Behav** 1981 Dec;27(6):1073–6

Angiotensin converting enzyme activity in human serum: relationship to enzyme inhibitor in vivo and in vitro. Swanson BN, et al. **Res Commun Chem Pathol Pharmacol** 1981 Sep; 33(3):525–36

Carnosine, histidine, and wound healing. Fitzpatrick DW, et al. **Surgery** 1982 Jan;91(1):56–60

Inhibition of human coagulation factor Xa by thrombin substrates. Orthner CL, et al. **Thromb Res** 1981 Sep 15; 23(6):533–9

[Effects of prolyl–valine on electrical activities of rat hearts in situ and its antiarrhythmic action (author's transl)] Liu TF, et al. **Chung Hua Hsin Hsueh Kuan Ping Tsa Chih** 1981 Dec;9(4):311–3 (Eng. Abstr.) **(Chi)**

[Effect of histidine analogs and histidyl–containing dipeptides on the decarboxylase activity of Micrococcus sp. n. histidine decarboxylase] Gonchar NA, et al. **Vopr Med Khim** 1981 Nov–Dec;27(6):815–20 (Eng. Abstr.) **(Rus)**

RADIATION EFFECTS

[Comparative study of the radiation oxidation and x–ray chemiluminescence of globular proteins] Sapezhinskii II, et al. **Biofizika** 1981 Jul–Aug;26(4):581–6 (Eng. Abstr.) **(Rus)**

SECRETION

Carnosine release from olfactory bulb synaptosomes is calcium–dependent and depolarization–stimulated. Rochel S, et al. **J Neurochem** 1982 Jun;38(6):1505–14

THERAPEUTIC USE

Comparative effects of captopril and MK 421 on sympathetic function in spontaneously hypertensive rats. Antonaccio MJ, et al. **Am J Cardiol** 1982 Apr 21;49(6):1533–4

Gallstone dissolution in the biliary tract: in vitro investigations on inhibiting factors and special dissolution agents. Leuschner U, et al. **Am J Gastroenterol** 1982 Apr; 77(4):222–6

Effects of the new oral angiotensin converting enzyme inhibitor MK–421 in human hypertension. Gavras H, et al. **Clin Exp Hypertens [A]** 1982;4(1–2):303–14

Effects of enalapril, a new converting enzyme inhibitor, in hypertension. Ferguson RK, et al. **Clin Pharmacol Ther** 1982 Jul;32(1):48–53

Effects of the oral angiotensin–converting enzyme inhibitor MK–421 in human hypertension. Gavras H, et al. **Clin Sci [Suppl]** 1981 Dec;61(7):281s–283s

A comparative pilot study of enalapril, a new converting enzyme inhibitor, and hydrochlorothiazide in essential hypertension. Ferguson RK, et al. **J Clin Pharmacol** 1982 Jul;22(7):281–9

Efficacy of methionine peptides as determined by chick bioassay. Boebel KP, et al. **J Nutr** 1982 Jun;112(6):1130–2

Aspartame doses for phenylketonuria [letter] Lines DR. **J Nutr** 1981 Sep;111(9):1688–90

Effects of CL–1700 and its constituents on acute or chronic gastric lesions and gastric secretion in rats. Kunimi H, et al. **Jpn J Pharmacol** 1982 Jun;32(3):469–77

Antihypertensive effect of the new oral angiotensin converting enzyme inhibitor 'MK–421'. Gavras H, et al. **Lancet** 1981 Sep 12;2(8246):543–7

[Prevention of the development of genetic hypertension by MK 421 in the SHR] Richer C, et al. **Arch Mal Coeur** 1982 Jun;75 Spec No:55–8 (Eng. Abstr.) **(Fre)**

TOXICITY

Toxicity of aspartame and its diketopiperazine for Wistar rats by dietary administration for 104 weeks. Ishii H, et al. **Toxicology** 1981;21(2):91–4

URINE

Collagen cross–linking compounds in human urine. Gunja–Smith Z, et al. **Biochem J** 1981 Sep 1;197(3):759–62

N–acetyl–L–aspartic acid, N–acetyl–alpha–L–aspartyl–L–glutamic acid and beta–citryl–L–glutamic acid in human urine. Miyake M, et al. **Clin Chim Acta** 1982 Mar 26;120(1):119–26

Determination of ophidine in human urine. Undrum T, et al. **J Chromatogr** 1982 Jan 8;227(1):53–9

Homocarnosinosis: hypercarnosinuria. Lunde H, et al. **J Neurochem** 1982 Jan;38(1):242–5

DIPEPTIDYL AMINOPEPTIDASE I see **CATHEPSINS**

DIPEPTIDYL PEPTIDASE I see **CATHEPSINS**

DIPEPTIDYL PEPTIDASES see under **PEPTIDE PEPTIDOHYDROLASES**

DIPETALONEMA see **ACANTHOCHEILONEMA**

DIPHENADIONE

TOXICITY

Response of rats to chronic ingestion of diphacinone. Elias DJ, et al. **Bull Environ Contam Toxicol** 1981 Oct; 27(4):559–67

DIPHENHYDRAMINE

ADMINISTRATION & DOSAGE

Childhood serous otitis media: fifteen months' observations of children untreated compared with those receiving an antihistamine–adrenergic combination. O'Shea JS, et al. **Clin Pediatr (Phila)** 1982 Mar;21(3):150–3

ADVERSE EFFECTS

Eczematous eruption from oral diphenhydramine. Lawrence CM, et al. **Contact Dermatitis** 1981 Sep;7(5):276–7

METABOLISM

Diphenhydramine: kinetics and psychomotor effects in elderly women. Berlinger WG, et al. **Clin Pharmacol Ther** 1982 Sep;32(3):387–91

PHARMACODYNAMICS

Effects of antihistamines and indomethacin on hyperosmolar–induced vasodilation. Pinsky MR, et al. **Am J Physiol** 1982 Mar;242(3):H450–5

A study of the plasma levels of pentaerythritol mononitrate following administration of pentaerythritol tetranitrate in combination with meprobamate and diphenhydramine. Gilbert JD, et al. **Arzneimittelforsch** 1982;32(5):571–4

Effect of diphenhydramine on stress–induced changes in brain histidine decarboxylase activity, histamine and plasma corticosterone levels. Mazurkiewicz–Kwilecki IM, et al. **Pharmacol Biochem Behav** 1982 Apr;16(4):591–7

[Comparison of suppressive effects of inhibitor of IgE mediated chemical mediator release and H1–blocker on exercise induced asthma (author's transl)] Motojima S, et al. **Arerugi** 1982 Jan;31(1):58–64 (Eng. Abstr.) **(Jpn)**

[Lack of activity of diphenhydramine in the secretion of prolactin and insulin induced by arginine] Villanueva L, et al. **Rev Clin Esp** 1981 Jun 15–30;161(5–6):303–5 (Eng. Abstr.) **(Spa)**

POISONING

Massive diphenhydramine overdose resulting in death. Krenzelok EP, et al. **Ann Emerg Med** 1982 Apr;11(4):212–3

[Diphenhydramine poisoning (author's transl)] Altorfer R. **Praxis** 1981 Apr 14;70(16):711–6 (Eng. Abstr.) **(Ger)**

[Diphenylhydramine poisoning after topical administration] Savchak VI. **Vestn Dermatol Venerol** 1982;(1):62–3 (Eng. Abstr.) **(Rus)**

THERAPEUTIC USE

Double blind trial in general practice comparing the efficacy of 'Benylin Day and Night' and paracetamol in the treatment of the common cold. Middleton RS. **Br J Clin Pract** 1981 Sep;35(9):297–300

Photosensitivity reaction treated with diphenhydramine [letter] Rothschild CJ. **Can Med Assoc J** 1981 Nov 15; 125(10):1085, 1087

Decorticate posture following 'cardiac cocktail': a transient complication of sedation for catheterization. Cohen GH, et al. **Pediatr Cardiol** 1982;2(3):251–3

[The anti–asthma effect of compound cycloclenbuterol on bronchial asthma (author's transl)] Wang GJ. **Chung Hua Chieh Ho Ho Hu Hsi Hsi Chi Ping Tsa Chih** 1981 Dec;4(6):333–4 (Eng. Abstr.) **(Chi)**

[The combination preparation VisanoCor in patients with angina pectoris with special monitoring of urinary

catecholamines] Hagel H. **Fortschr Med** 1981 Nov 5; 99(41):1714–7 (Eng. Abstr.) **(Ger)**

[Reduction of catecholamine liberation by drugs. Therapeutic alternative to beta sympathicolysis in coronary disease?] Lönne E, et al. **Fortschr Med** 1981 Oct 15;99(39):1616–20 (Eng. Abstr.) **(Ger)**

TOXICITY

[Acute toxicity of four drugs in high altitude and hypobaric conditions (author's transl)] Li JC. **Yao Hsueh Hsueh Pao** 1981 Feb;16(2):153–4 (Eng. Abstr.) **(Chi)**

DIPHENHYDRAMINE THEOCLATE see **DIMENHYDRINATE**

DIPHENOL OXIDASES

Primary structure of tyrosinase from Neurospora crassa. I. Purification and amino acid sequence of the cyanogen bromide fragments. Lerch K, et al. **J Biol Chem** 1982 Jun 10;257(11):6408–13

Primary structure of tyrosinase from Neurospora crassa. II. Complete amino acid sequence and chemical structure of a tripeptide containing an unusual thioether. Lerch K. **J Biol Chem** 1982 Jun 10;257(11):6414–9

ANALYSIS

Atypical tyrosinase positive albinos. Mizoguchi M, et al. **J Dermatol (Tokyo)** 1981 Aug;8(4):335–41

Immunoelectron microscopic localization of tyrosinase in the mouse melanocyte. Yamamoto H, et al. **J Histochem Cytochem** 1981 Aug;29(8):953–8

Demonstration of tyrosinase in the vitiligo skin of human beings by a sensitive fluorometric method as well as by 14C(U)-L-tyrosine incorporation into melanin. Husain I, et al. **J Invest Dermatol** 1982 Mar;78(3):243–52

Characterization of structural properties for morphological differentiation of melanosomes: I. Purification of tyrosinase by tyrosine affinity chromatography and its characterization in B16 and Harding Passey melanomas. Jimbow K, et al. **J Invest Dermatol** 1981 Aug;77(2):213–8

Electrophoretic pattern of human hairbulb tyrosinase. King RA, et al. **J Invest Dermatol** 1981 Aug;77(2):201–4

Vitamin D nutrition increases skin tyrosinase response to exposure to ultraviolet radiation. Pavlovitch JH, et al. **Mol Cell Endocrinol** 1982 Mar;25(3):295–302

ANTAGONISTS & INHIBITORS

Inhibition of the catecholase and cresolase activity of mushroom tyrosinase by azide. Healey DF, et al. **Arch Biochem Biophys** 1981 Oct 1;211(1):86–91

Tyrosinase and gamma-glutamyl transpeptidase in 5-s-cysteinyldopa genesis within melanotic and amelanotic melanomas. Mojamdar M, et al. **J Dermatol (Tokyo)** 1982 Feb;9(1):73–7

BLOOD

Dopa oxidase activity and ceruloplasmin in the sera of hamsters with melanoma. Vachtenheim J, et al. **Neoplasma** 1981;28(1):59–65

DEFICIENCY

Retinal projections in tyrosinase-negative albino cats. Creel D, et al. **J Neurosci** 1982 Jul;2(7):907–11

GENETICS

Comparison of amino acid sequence and thermostability of tyrosinase from three wild type strains of Neurospora crassa. Rüegg C, et al. **J Biol Chem** 1982 Jun 10; 257(11):6420–6

METABOLISM

Subunit interactions in tyrosinase from frog epidermis in immobilized enzyme systems. Iborra JL, et al. **Biochem J** 1981 Sep 1;197(3):581–9

Histidine at the active site of Neurospora tyrosinase. Pfiffner E, et al. **Biochemistry** 1981 Oct 13;20(21):6029–35

Loss of melanogenic properties in tyrosinases induced by glucosylation inhibitors within malignant melanoma cells. Imokawa G, et al. **Cancer Res** 1982 May;42(5):1994–2002

Inhibition of reverse transcriptase by tyrosinase generated quinones related to levodopa and dopamine. Wick MM, et al. **Chem Biol Interact** 1981 Dec;38(1):99–107

Polyphenol oxidase and peroxidase in fruits and vegetables. Vámos-Vigyázó L. **CRC Crit Rev Food Sci Nutr** 1981; 15(1):49–127 (494 ref.)

Fungal cell wall beta-1,3-glucans induce clotting and phenoloxidase attachment to foreign surfaces of crayfish hemocyte lysate. Söderhäll K. **Dev Comp Immunol** 1981 Fall;5(4):565–73

Some properties of Bufo bufo tyrosinase during development. Miranda M, et al. **Experientia** 1981;37(9):938–9

Copper transfer between Neurospora copper metallothionein and type 3 copper apoproteins. Beltramini M, et al. **FEBS Lett** 1982 Jun 7;142(2):219–22

Diphenoloxidases in X-linked recessive (Duchenne) muscular dystrophy. Demos JJ, et al. **Hum Genet** 1981;59(2):154–60

Phenoloxidase activity and virulence in isogenic strains of Cryptococcus neoformans. Rhodes JC, et al. **Infect Immun** 1982 Jun;36(3):1175–84

Biochemical studies of phenoloxidase and utilization of catecholamines in Cryptococcus neoformans. Polacheck I, et al. **J Bacteriol** 1982 Jun;150(3):1212–20

Pulsed EPR studies of peroxide-activated cytochrome c peroxidase and of the mercaptoethanol derivative of Neurospora tyrosinase. Lerch K, et al. **J Biol Chem** 1981 Oct 10;256(19):10088–91

Tyrosinase subcellular distribution and kinetic parameters in wild type and C-locus mutant C57BL/6J mice. Townsend D, et al. **J Exp Zool** 1981 Apr;216(1):113–9

Secretion of tyrosinase in Streptomyces glaucescens. Crameri R, et al. **J Gen Microbiol** 1982 Feb;128(Pt 2):371–9

New regulators of melanogenesis are associated with purified tyrosinase isozymes. Hearing VJ, et al. **J Invest Dermatol** 1982 Jul;79(1):16–8

Tyrosinase activity and isoenzyme distribution corresponding to growth and regression of melanoma in Sinclair miniature swine. Kovacs SA, et al. **JNCI** 1981 Sep;67(3):645–51

Mammalian tyrosinase catalyzes three reactions in the biosynthesis of melanin. Körner A, et al. **Science** 1982 Sep 17;217(4565):1163–5

[The age-dependent appearance of phenoloxidase-containing cells in the embryonal development of the chicken] Schmidt H, et al. **ZFA (Dresden)** 1982;37(2):107–10 **(Ger)**

PHARMACODYNAMICS

Tyrosinase immobilized within artificial cells for detoxification in liver failure: II. In vivo studies in fulminant hepatic failure rats. Shu CD, et al. **Int J Artif Organs** 1981 Mar;4(2):82–5

DIPHENOXYLATE see under **ISONIPECOTIC ACIDS**

DIPHENYL OXIDES see **PHENYL ETHERS**

DIPHENYLAMINE see under **ANILINE COMPOUNDS**

DIPHENYLBUTAZONE see **PHENYLBUTAZONE**

DIPHENYLCARBAZIDE see under **SEMICARBAZIDES**

DIPHENYLHEXATRIENE see under **POLYENES**

DIPHENYLHYDANTOIN see **PHENYTOIN**

DIPHENYLHYDRAMIN see **DIPHENHYDRAMINE**

DIPHENYLMETHYL COMPOUNDS see **BENZHYDRYL COMPOUNDS**

DIPHENYLTHIOHYDANTOIN see under **PHENYTOIN**

DIPHENYLUREA COMPOUNDS see **CARBANILIDES**

DIPHOSPHATIDYLGLYCEROLS see **CARDIOLIPINS**

DIPHOSPHOGLYCERIC ACIDS

The effect of pH and D-glycerate 2,3-bisphosphate on the O2 equilibrium of normal and SH(beta 93)-modified human hemoglobin. Antonini E, et al. **Eur J Biochem** 1982 Jan; 121(2):325–8

ANALYSIS

Phylogeny and ontogeny of the phosphoglycerate mutases—IV. Distribution of glycerate-2,3-P2 dependent and independent phosphoglycerate mutases in algae, fungi, plants and animals. Carreras J, et al. **Comp Biochem Physiol [B]** 1982;71(4):591–7

Foetal haemoglobin and 2-3 DPG levels in low birth weight infants. Shatrugna V, et al. **Indian Pediatr** 1981 Jul; 18(7):449–52

Concentration of ascorbate-2-phosphate needed to maintain red cell 2,3-diphosphoglycerate [letter] Moore GL. **Transfusion** 1982 Jul-Aug;22(4):343–4

BLOOD

Changes in the enzymes related to 2,3-bisphosphoglycerate metabolism in developing erythroid cells. Chiba H, et al. **Acta Biol Med Ger** 1981;40(4–5):633–7

2,3-Biphosphoglycerate, inorganic phosphate, pH and hemoglobin concentration in chronic renal failure of man. Gerber G, et al. **Acta Biol Med Ger** 1981;40(4–5):711–5

Regulation of red cell DPG metabolism in fetuses and adults. Jelkmann W, et al. **Acta Biol Med Ger** 1981;40(4–5):661–4

Changes in serum phosphate and erythrocyte 2,3-diphosphoglycerate after missile injury of the limb. Lovén L, et al. **Acta Chir Scand [Suppl]** 1982;508:261–3

Changes in 2,3-diphosphoglycerate during pregnancy and puerperium in normal women and in beta-thalassemia heterozygous women. Tsai CH, et al. **Am J Obstet Gynecol** 1982 Mar 1;142(5):520–3

Postnatal regulation of canine oxygen delivery: control of erythrocyte 2,3-DPG levels. Mueggler PA, et al. **Am J Physiol** 1982 Apr;242(4):H500–6

Canine cyclic hematopoiesis: blood gas and 2,3-diphosphoglyceric acid studies. Kraisha S, et al. **Am J Vet Res** 1982 Mar;43(3):528–30

Rat embryonic and foetal erythrocytes. High 2,3-bisphosphoglycerate and ATP and low oxygen affinity in vitro for nucleated embryonic cells. Gilman JG. **Biochem J** 1980 Oct 15;192(1):355–9

Equations and nomogram for the relationship of human blood p50 to 2,3-diphosphoglycerate, CO2, and H+. Samaja M, et al. **Clin Chem** 1981 Nov;27(11):1856–61

Relationship between glycosylation of haemoglobin and the duration of diabetes: a study during the third trimester of pregnancy. Madsen H, et al. **Diabetologia** 1982 Jan; 22(1):37–40

Concentration of 2,3-diphosphoglycerate and adenosine triphosphate in erythrocytes following acute blood loss in the beagle. Zachara B, et al. **Haematologia (Budap)** 1981; 14(3):285–91

Possible diurnal variation in 2,3-diphosphoglyceric acid [letter] Agate S, et al. **J Clin Pathol** 1982 Apr;35(4):476–7

Association between erythrocyte 2,3-diphosphoglycerate levels and reproduction capacity in Long-Evans rats. Noble NA, et al. **J Reprod Fertil** 1982 Mar;64(2):443–8

Effect of training on erythrocyte 2,3-diphosphoglycerate in two groups of women cross-country runners. Smalley KA, et al. **J Sports Med Phys Fitness** 1981 Dec;21(4):352–8

Rapid-rate equilibrium analysis of the interactions between organic phosphates and hemoglobins. Powers DA, et al. **Methods Enzymol** 1981;76:559–77

Hematocrit and hemoglobin, ATP and DPG concentrations in Andean man: the interaction of altitude and trace metals with glycolytic and hematologic parameters in man. Clench J, et al. **Prog Clin Biol Res** 1981;55:747–66

Blood preservation 50: red cell 2,3-DPG maintenance in CPD-adenine stored blood by several mechanisms. Dawson RB, et al. **Prog Clin Biol Res** 1981;55:643–62

Regeneration of 2,3-bisphosphoglycerate and ATP of stored erythrocytes by phosphoenolpyruvate; a new preservative for blood storage. Hamasaki N, et al. **Prog Clin Biol Res** 1981;55:577–94

Structural and functional studies of hemolysates from genetically selected high and low level DPG rat strains. McDonald MJ, et al. **Prog Clin Biol Res** 1981;55:215–24

Postnatal changes in erythrocyte 2,3-diphosphoglycerate in sheep and cattle. King ME, et al. **Res Vet Sci** 1981 Jul; 31(1):37–9

2,3-diphosphoglycerate in high- and low-altitude populations of the deer mouse. Snyder LR. **Respir Physiol** 1982 Apr;48(1):107–23

Specimen handling for the assay of adenylates and glycerate 2, 3-bisphosphate in erythrocytes. Ericson A, et al. **Scand J Clin Lab Invest** 1981 Jun;41(4):361–6

Erythrocyte 2,3-diphosphoglycerate and adenosine triphosphate in polycythaemia vera. Monti M. **Scand J Haematol** 1981 Aug;27(2):108–10

Red cell ATP and 2,3-diphosphoglycerate concentrations as a function of dihydroxyacetone supplementation of CPD adenine. Moore GL, et al. **Vox Sang** 1981;41(1):11–7

[The estimation of red cell 2,3-diphosphoglycerate (2,3-DPG) and its preliminary clinical application (author's transl)] Cai BJ. **Chung Hua Nei Ko Tsa Chih** 1981 May; 20(5):257–61 **(Chi)**

[Action of carbon monoxide on the affinity of hemoglobulin for oxygen. Study in whole blood and stripped hemoglobin (author's transl)] Vanuxem D, et al. **Respiration** 1982; 43(1):45–50 **(Fre)**

[Effects of short smoking withdrawal on CO-Hb, 2, 3-DPG and P50 of blood and respiratory function (author's transl)] Matsubara Y, et al. **Masui** 1981 Dec;30(12):1333–9 (Eng. Abstr.) **(Jpn)**

[The effects of erythrocyte 2,3-diphosphoglycerate on oxygen transport in patients with chronic obstructive pulmonary disease (author's transl)] Kishi F. **Nippon Kyobu Shikkan Gakkai Zasshi** 1981 Mar; 19(3):147–54 (Eng. Abstr.) **(Jpn)**

[Changes in the arterial erythrocytic 2,3-diphosphoglycerate concentration in experimental respiratory failure (author's transl)] Kohno K. **Nippon Kyobu Shikkan Gakkai Zasshi** 1981 May; 19(5):287–96 (Eng. Abstr.) **(Jpn)**

[2,3-diphosphoglycerate level in the red blood cells, inorganic phosphorus in the blood serum and the acid-base equilibrium indicators in different periods of normal pregnancy] Krasomski G, et al. **Ginekol Pol** 1981 Aug; 52(8):687–92 (Eng. Abstr.) **(Pol)**

[Erythrocyte 2, 3-diphosphoglycerate level, serum inorganic phosphorus and acid-base equilibrium indicators at different stages of pregnancy complicated by anemia] Krasomski G, et al. **Ginekol Pol** 1981 Sep;52(9):769–74 (Eng. Abstr.) **(Pol)**

[Effect of 2,3-diphosphoglyceric acid concentration in erythrocytes on the course of labor, puerperium and the state of the newborn infant after normal pregnancy and pregnancy complicated by anemia] Krasomski G, et al. **Ginekol Pol** 1981 Oct;52(10):913–9 (Eng. Abstr.) **(Pol)**

[Value of determining 2,3-diphosphoglyceric acid levels in chronic lung diseases] Szymański A, et al. **Pneumonol Pol** 1981;49(10):669–73 (Eng. Abstr.) **(Pol)**

[Changes in the concentration of 2,3-diphosphoglycerate in erythrocytes of patients with hemolytic anemia after surgery and general anesthesia] Butrov AV. **Ter Arkh** 1981; 53(9):106–9 (Eng. Abstr.) **(Rus)**

[Normal values of intraerythrocytic 2,3-diphosphoglycerate for the spanish population (author's transl)] Alvarez-Sala JL, et al. **Med Clin (Barc)** 1982 Apr 1;78(7):281–4 (Eng.

Abstr.) (Spa)
[Erythrocyte organic phosphates and plasma pH in chronic renal insufficiency (letter)] Alvarez-Sala Walther JL, et al. **Med Clin (Barc)** 1981 Nov 10;77(8):340–1 (Spa)
[Adaptation to anemia in hypothyroidism] Alvarez-Sala JL, et al. **Rev Clin Esp** 1981 Nov 30;163(4):231–3 (Eng. Abstr.) (Spa)
[2,3-DPG and diabetic microangiopathy] Faure Nogueras E, et al. **Rev Clin Esp** 1981 Nov 30;163(4):227–30 (Eng. Abstr.) (Spa)
[2, 3 DPG in anemic children (letter)] de Céspedes C, et al. **Sangre (Barc)** 1981;26(4):515–6 (Spa)

GENETICS

Red cell phosphofructokinase and pyruvate kinase activities correlate with genetic variation of 2, 3-bisphosphoglycerate in rats. Gilman JG. **Biochem Biophys Res Commun** 1981 Sep 30;102(2):766–74

METABOLISM

Metabolism of glycerate-2,3-P2—II. Enzymes involved in the glycerate-2,3-P2 metabolism in chicken skeletal muscle. Bosch J, et al. **Comp Biochem Physiol [B]** 1982; 72(1):39–48
1H NMR study of the binding of 2,3-diphosphoglycerate to human oxyhemoglobin A in intact red cells. Nieto JL. **FEBS Lett** 1981 Dec 21;136(1):85–8
Pharmacological influences of pentoxifylline on red cell filterability and 2-3 diphosphoglycerate. Le Devehat C, et al. **Scand J Clin Lab Invest [Suppl]** 1981;156:301–3
Effect of hydrocortisone on the synthesis of 2,3-diphosphoglycerate in human erythrocytes. Oimomi M, et al. **Transfusion** 1982 Jul-Aug;22(4):266–8

PHARMACODYNAMICS

Diphosphoglycerate and phytic acid as feeding stimulants for the blood-feeding bug Rhodnius prolixus. Smith JJ, et al. **Comp Biochem Physiol [A]** 1982;72(1):133–6
Effects of 2,3-diphosphoglyceric acid on the human erythrocyte membrane phosphorylation system. Conway RG, et al. **J Biol Chem** 1981 Nov 25;256(22):11932–8
Kinetics of Phosphorylation of eIF-2 by the hemin-controlled repressor and casein kinase II. Inhibition by hemin and 2,3-diphosphoglyceric acid. Gonzatti-Haces MI, et al. **J Biol Chem** 1982 Jun 25;257(12):6642–5
Modulation of the oxygen equilibria of human fetal and adult hemoglobins by 2,3-diphosphoglyceric acid. Tomita S. **J Biol Chem** 1981 Sep 25;256(18):9495–500
The in vitro inhibitory effect on thrombin by 2,3-diphosphoglycerate. Del Principe D, et al. **Thromb Haemost** 1981 Oct;46(3):581–3

PHYSIOLOGY

[Erythrocyte function and the role of 2-3-diphosphoglycerate] Hayashi A. **Rinsho Byori** 1981 Jun;(46 Suppl):93–107 (Jpn)
[Oxygen transport and 2,3-DPG. Physiology and Physiopathology] Faure Nogueras E, et al. **Rev Clin Esp** 1981 Nov 30;163(4):221–5 (Spa)

DIPHOSPHONATES

Reaction of 99mTc-diphosphonate with N-donor ligands. Johannsen B. **Int J Appl Radiat Isot** 1982 Jun;33(6):429–32
Valence state of technetium in technetium methylene diphosphonate at tracer concentrations, measured by amperometry. Mulder G, et al. **Int J Appl Radiat Isot** 1981 Sep;32(9):675–7

ADMINISTRATION & DOSAGE

Parenteral diphosphonates for treating malignant hypercalcemia. Jung A, et al. **Cancer** 1981 Oct 15; 48(8):1922–5
Bone scanning in assessing viability of vascularized skeletal tissue transplants. Lipson RA, et al. **Clin Orthop** 1981 Oct; (160):279–89
Clinical and biological effects of low doses of (3 amino-1 hydroxypropylidene)-1,1-bisphosphonate (APD) in Paget's disease of bone. Heynen G, et al. **Eur J Clin Invest** 1982 Feb;12(1):29–35
Diphosphonates: what dose units? [letter] Wall R. **Lancet** 1982 Mar 6;1(8271):575

ADVERSE EFFECTS

Long term effects of dichloromethylene diphosphonate in Paget's disease of bone. Delmas PD, et al. **J Clin Endocrinol Metab** 1982 Apr;54(4):837–44

ANALYSIS

The determination of methylene diphosphonic acid in lyophilized radiopharmaceuticals. Barnes RK, et al. **Int J Appl Radiat Isot** 1981 Mar;32(3):174–5
Re: radiochemical purity of Tc-99m oxidronate [letter] Williams CC. **J Nucl Med** 1981 Nov;22(11):1015–6

BLOOD

Determination of (dichloromethylene) diphosphonate in physiological fluids by ion-exchange chromatography with phosphorus-selective detection. Chester TL, et al. **J Chromatogr** 1981 Sep 11;225(1):17–25

DIAGNOSTIC USE

Abdominal masses in children: multiorgan imaging with 99mTc methylene diphosphonate. Siddiqui AR, et al. **AJR** 1982 Jul;139(1):35–8
In-vivo labelling of renal calculi with technetium 99m methylene diphosphonate. Barker MC, et al. **Br J Radiol** 1982 Jan;55(649):39–41
The location of urinary calculi using radionuclide imaging. Noble RL, et al. **Br J Urol** 1981 Dec;53(6):513–5
The indications for and limitations of bone scintigraphy in osteogenic sarcoma: a review of 55 patients. McKillop JH, et al. **Cancer** 1981 Sep 1;48(5):1133–8
Localization of Tc-99m-MDP in a paravertebral colon carcinoma metastasis. Fajman WA, et al. **Clin Nucl Med** 1981 Oct;6(10):502–3
Accumulation of MDP in hepatic metastases from mucinous adenocarcinoma of the colon. Kirby JC, et al. **Clin Nucl Med** 1982 Jan;7(1):25–7
Malignant pleural effusion and Tc-99m MDP accumulation. Lamki L, et al. **Clin Nucl Med** 1982 Jul;7(7):331–3
Tc-99m-MDP uptake in widespread subcutaneous nodules of metastatic renal cell carcinoma. Lin DS, et al. **Clin Nucl Med** 1982 Jan;7(1):43
Localization of Tc-99m-MDP in amyloidosis of the breast. McLellan GL, et al. **Clin Nucl Med** 1981 Dec;6(12):579–80
Bladder in the scrotum on a bone scan. Makhija MC. **Clin Nucl Med** 1981 Nov;6(11):550–1
Fortuitous lymph node visualization after interstitial injection of Tc-99m-MDP. Penney HF, et al. **Clin Nucl Med** 1982 Feb;7(2):84–5
Exstrophy of the bladder: diagnosis on a bone scan. Rao BK, et al. **Clin Nucl Med** 1981 Nov;6(11):552–3
Intense myocardial uptake of Tc-99m-MDP in a case of hypercalcemia. Seid K, et al. **Clin Nucl Med** 1981 Dec; 6(12):565–7
Tc-99m diphosphonate imaging in the differential diagnosis of thyroid nodules. Siddiqui AR, et al. **Clin Nucl Med** 1982 Aug;7(8):353–6
Spinal chondrosarcoma demonstrated by Tc-99m-MDP bone scan. Smith FW, et al. **Clin Nucl Med** 1982 Mar; 7(3):111–2
Accumulation of bone scanning agent in a communicating renal cortical cyst. Straub WH, et al. **Clin Nucl Med** 1982 Aug;7(8):378
Accumulation of Tc-99m MDP in the spleen of a battered child. Sty JR, et al. **Clin Nucl Med** 1982 Jun;7(6):292
Congenital absence of a pedicle with photon deficiency on bone scan. Tessler F, et al. **Clin Nucl Med** 1981 Oct; 6(10):498–9
Amphotericin B therapy: a cause of increased renal uptake of Tc-99m MDP. Trackler RT, et al. **Clin Nucl Med** 1982 Jun;7(6):293
Demonstration of ureteroenteric fistula by MDP imaging. Wechsler RJ, et al. **Clin Nucl Med** 1982 Feb;7(2):75–6
Detection of synovial pseudarthrosis by 99mTc scintigraphy: application to treatment of traumatic nonunion with constant direct current. Esterhai JL Jr, et al. **Clin Orthop** 1981 Nov-Dec;(161):15–23
Identification of hip surface arthroplasty failures with TcSC/TcmDP radionuclide imaging. Thomas BJ, et al. **Clin Orthop** 1982 Jul;(167):106–12
Detection of lung metastases from osteosarcoma by scintigraphy using 99mTc-methylene diphosphonate. Hoefnagel CA, et al. **Diagn Imaging** 1981;50(5):277–84
Accumulation of 99mTc-methylene diphosphate within benign cystic teratoma of the ovary: an artefact caused by a distorted bladder [letter] D'haene EG, et al. **Eur J Nucl Med** 1982;7(3):146
Accumulation of 99m Tc-methylene diphosphonate in a so-called conversion defect of the femoral neck. Shigeno C, et al. **Eur J Nucl Med** 1981;6(9):421–3
Accumulation of 99Tc-methylene diphosphonate within benign cystic teratoma of the ovary. Shigeno C, et al. **Eur J Nucl Med** 1981;6(9):417–9
Fast Diagnosis (6h) of clinically silent pyonephrosis by combined use of 99mTc-MDP and 67Ga citrate. Steinling M, et al. **Eur J Nucl Med** 1981;6(8):379–81
99mTc-methylene diphosphonate lung uptake in mixed small and large cell lymphoma. Wynchank S. **Eur J Nucl Med** 1982;7(1):47–8
Bone scan evaluation of degenerative joint disease of the spine. Lin DS, et al. **Int J Nucl Med Biol** 1982;9(1):63–4
Technetium and combined gallium and technetium scans in the neurotrophic foot. Hetherington VJ. **J Am Podiatry Assoc** 1982 Sep;72(9):458–63
A comparison of bone imaging with Tc-99m DPD and Tc-99m MDP: concise communication. Buell U, et al. **J Nucl Med** 1982 Mar;23(3):214–7
Imaging with Tc-99m MDP and Ga-67 citrate in patients with rheumatoid arthritis and suspected septic arthritis: concise communication. Coleman RE, et al. **J Nucl Med** 1982 Jun;23(6):479–82
Scintigraphic evaluation of diabetic osteomyelitis: concise communication. Park HM, et al. **J Nucl Med** 1982 Jul; 23(7):569–73
Soft tissue uptake of bone seeking radionuclide in amyloidosis. Yood RA, et al. **J Rheumatol** 1981 Sep-Oct; 8(5):760–6
Bone formation of transplanted autologous bone matrix in rabbit evaluated by technetium radionuclide bone imaging. Wittbjer J, et al. **Scand J Plast Reconstr Surg** 1982; 16(1):23–8
[Value and limitations of scintigraphy based on methylene diphosphonate pyrophosphate labeled with 99m technetium in the monitoring of revascularized bone transplants] Clouet M, et al. **Ann Chir Plast** 1981;26(3):217–20 (Eng. Abstr.) (Fre)
[Radionuclide assessment of skeletal growth and maturation (160 bone scans in patients aged 0 to 21 years) (author's transl)] Guillet J, et al. **Ann Pediatr (Paris)** 1982 Mar; 29(3):189–92 (Eng. Abstr.) (Fre)
[Myocardial scintigraphy using technetium-99m labelled methylene diphosphonate in coronary care units. 82 cases] Marchal C, et al. **Arch Mal Coeur** 1981 Jun;74(6):657–63 (Eng. Abstr.) (Fre)
[Importance of bone scanning with Tc 99m in the supervision of hemodialysis patients with chronic renal failure (author's transl)] Kessler M, et al. **Nephrologie** 1981;2(4):171–5 (Eng. Abstr.) (Fre)
[Myocardial scintigraphy with technetium-99m diphosphonate following radiation therapy of the thoracic area (author's transl)] Neumann G, et al. **Radiol Diagn (Berl)** 1981;22(5):690–6 (Eng. Abstr.) (Ger)
[Localization of extraosseous MDP uptake using emission computed tomography] Strauss L, et al. **ROFO** 1981 Dec; 135(6):739–40 (Ger)
[Display of a primary neuroblastoma in the bone scintigram] Thämmig R, et al. **ROFO** 1981 Aug;135(2):239–40 (Ger)
[Myocardial accumulation of 99mTc MDP in patients subjected to extended adriblastin treatment. Protective effect of strophanthin and vitamin E] Ciambellotti E. **Minerva Med** 1982 Jan 14;73(1–2):21–4 (Eng. Abstr.) (Ita)
[Extraosseous tumor uptake of 99m technetium methylendiphosphonate in children with neuroblastoma (author's transl)] Mancini AF, et al. **Pediatr Med Chir** 1981 Nov-Dec;3(6):535–9 (Ita)
[A new bone scanning agent: clinical experience of 99mTc-hydroxymethane diphosphonate (HMDP) (author's transl)] Fukunaga M, et al. **Kaku Igaku** 1981 Jul;18(6):863–7 (Jpn)
[Detection of ectopic calcification using 99mTc-methylene diphosphonate in disorders with deranged calcium metabolism (author's transl)] Fukunaga M, et al. **Kaku Igaku** 1981 Aug;18(7):989–93 (Jpn)
[Clinical evaluation of 99mTc-hydroxymethylene diphosphonate (HMDP) bone scintigraphy: comparison with 99mTc-MDP (author's transl)] Honda H, et al. **Kaku Igaku** 1981 Nov;18(9):1315–9 (Jpn)
[The usefulness of early renal image with 99mTc-methylene diphosphonate (author's transl)] Miyake H, et al. **Kaku Igaku** 1981 Aug;18(7):985–7 (Jpn)
[Bone scintigraphy with 99mTc-hydroxymethylene diphosphonate (HMDP)—comparison with 99mtc-MDP (author's transl)] Nakano S, et al. **Kaku Igaku** 1981 Dec; 18(10):1485–8 (Jpn)
[An asymmetrical uptake of 99mTc-MDP on the manubrium sterni and its surrounding bone in the patients with mastectomy (author's transl)] Ono Y, et al. **Kaku Igaku** 1981 Aug;18(7):929–34 (Eng. Abstr.) (Jpn)
[Fundamental and clinical evaluation of bone scintigraphy with 99mTc-HMDP (author's transl)] Oshiro N, et al. **Kaku Igaku** 1982 Mar;19(2):305–11 (Jpn)
[The changes in renal uptake of 99mTc-MDP after radiotherapy in the neuroblastoma (author's transl)] Takebayashi S, et al. **Kaku Igaku** 1981 Jul;18(6):859–62 (Jpn)
[Extraosseous accumulation of 99mTc-phosphate complexes (author's transl)] Takebayashi S, et al. **Kaku Igaku** 1981 Nov;18(9):1207–15 (Eng. Abstr.) (Jpn)
[Experimental studies on the reparative processes of infarcted capital femoral epiphysis in puppies—with special reference to the correlation of radionuclide (99mTc-MDP) uptake with radiological and pathohistological changes (author's transl)] Hayashi M. **Nippon Seikeigeka Gakkai Zasshi** 1981 Jul;55(7):697–712 (Eng. Abstr.) (Jpn)
[Clinical evaluation of bone scintigraphy with 99mTc-HMDP (author's transl)] Ishii C, et al. **Radioisotopes** 1981 Jul;30(7):401–3 (Jpn)
[Whole body bone scintigram with 99mTc-HMDP (technetium-99m-hydroxy methylene diphosphonate) (author's transl)] Isobe Y, et al. **Radioisotopes** 1981 Nov; 30(11):606–8 (Jpn)
[Basic and clinical evaluations of bone scintigraphy with 99mTc hydroxymethylene diphosphonate (author's transl)] Kosuda S, et al. **Radioisotopes** 1981 Jul;30(7):404–6 (Jpn)
[An experimental crossover study between hydroxymethylene diphosphonate kit and methylene diphosphonate (author's transl)] Nagai K, et al. **Radioisotopes** 1982 Jan;31(1):32–4 (Jpn)
[Bone scintigraphy with 99mTc-hydroxy methylene diphosphonate (99mTc-HMDP) (author's transl)] Okahashi S, et al. **Radioisotopes** 1981 Aug;30(8):458–60 (Jpn)
[Measurement of 24-hr whole-body retention of 99mTc-MDP with a thyroid uptake probe (author's transl)] Seto H, et al. **Radioisotopes** 1981 May;30(5):263–7 (Eng. Abstr.) (Jpn)
[Bone scintigraphy with 99mTc-labeled methylene diphosphonate in hemodialysis patients (author's transl)] Yamashita M, et al. **Radioisotopes** 1981 Nov;30(11):609–11 (Jpn)

[Horseshoe kidney incidentally detected by 99mTc-MDP bone scintigraphy: report of 2 cases (author's transl)] Bussaka H, et al. **Rinsho Hoshasen** 1982 May;27(5):581-3 **(Jpn)**

[Extra-osseous accumulation of 99mTc-MDP in 2 cases of soft-tissue sarcoma (author's transl)] Nakajima H, et al. **Rinsho Hoshasen** 1981 Mar;26(3):417-20 (Eng. Abstr.) **(Jpn)**

[Concentration of 99mTc methylen-diphosphonate in pulmonary small cell anaplastic carcinoma and hepatic metastasis from pulmonary adenocarcinoma. Report of two cases (author's transl)] Okimura T, et al. **Rinsho Hoshasen** 1982 Jan;27(1):127-30 (Eng. Abstr.) **(Jpn)**

[Accumulation of 99mTc-methylene diphosphonate in liver metastases from carcinoma of colon: case reports (author's transl)] Sakata H, et al. **Rinsho Hoshasen** 1981 Feb; 26(2):315-8 (Eng. Abstr.) **(Jpn)**

[Predictive value of 99m-Tc-Sn(II) methylene diphosphonate in the study of acute myocardial infarction] Cuarón A, et al. **Arch Inst Cardiol Mex** 1982 Jan-Feb; 52(1):15-9 (Eng. Abstr.) **(Spa)**

METABOLISM

Normal pharmacokinetics of 99mTc-diphosphonate after intravenous administration. Castronovo FP Jr. **Biopharm Drug Dispos** 1981 Jul-Sep;2(3):283-9

Splenic accumulation of technetium 99m-methylene diphosphonate. Nisbet AP, et al. **Br J Radiol** 1982 Jun; 55(654):454-5

Kinetics of 99mTc-tin-methylene diphosphonate in normal subjects and pathological conditions: a simple index of bone metabolism [letter] Coupal JJ. **Calcif Tissue Int** 1981; 33(5):555

Increased Tc-99m-sodium medronate accumulation in renal carcinoma. Polga JP. **Clin Nucl Med** 1981 Sep;6(9):416-7

Can serial scintigraphic studies detect delayed fracture union in man? O'Reilly RJ, et al. **Clin Orthop** 1981 Oct; (160):227-32

Radionuclide bone imaging of femoral prostheses with porous coatings. Spector M, et al. **Clin Orthop** 1981 Oct; (160):242-9

Chemical structure and pharmacokinetics of 99mTc-labelled aminomethane diphosphonic acid derivatives. Unterspann S, et al. **Eur J Nucl Med** 1981;6(11):527-30

Disappearance of soft tissue 99mTc diphosphonate activity following radiation therapy. Hill LT. **J Natl Med Assoc** 1981 Dec;73(12):1119-21

The uptake of 99mtechnetium diphosphonate into degenerating and regenerating muscle. A correlative histological and biochemical study. Vita G, et al. **J Neurol Sci** 1981 Sep;51(3):339-54

A comparison of skeletal uptakes of three diphosphonates by whole-body retention: concise communication. Fogelman I, et al. **J Nucl Med** 1981 Oct;22(10):880-3

Age-related alterations in skeletal metabolism--24-hr whole-body retention of diphosphonate in 250 normal subjects: concise communication. Fogelman I, et al. **J Nucl Med** 1982 Apr;23(4):296-300

Pulmonary uptake of Tc-99m-Labeled methylene diphosphonate in a patient with a parathyroid adenoma. Herry JY, et al. **J Nucl Med** 1981 Oct;22(10):888-90

Increased uptake of technetium-99m-labeled bone imaging agents in the kidneys. Siddiqui AR. **Semin Nucl Med** 1982 Jan;12(1):101-2

Relationship of 99mTc-MDP uptake to regional osseous circulation in skeletally immature and mature dogs. McKinstry P, et al. **Skeletal Radiol** 1982;8(2):115-21

[Retention of 99mTc-MDP in edema fluid] Vattimo A, et al. **Boll Soc Ital Cardiol** 1980;25(7):719-22 **(Ita)**

[Accumulation of sodium 2,3-dicarboxypropan-1,1-diphosphonate in bone of rabbits (author's transl)] Nagai K, et al. **Radioisotopes** 1982 Apr; 31(4):197-8 **(Jpn)**

PHARMACODYNAMICS

Adenylate cyclase activation by GTP analogs. Krall JF, et al. **Arch Biochem Biophys** 1982 Feb;213(2):585-9

Increase in fatty acid oxidation in calvaria cells cultured with diphosphonates. Felix R, et al. **Biochem J** 1981 Apr 15; 196(1):237-45

The influence of 1-hydroxyethane-1,1-diphosphonate and dichloromethanediphosphonate on lysine hydroxylation and cross-link formation in rat bone, cartilage and skin collagen. Guentber HL, et al. **Biochem J** 1981 Apr 15; 196(1):303-10

The effects of 1-hydroxyethane-1,1-diphosphonate and dichloromethanediphosphonate on collagen synthesis by rabbit articular chondrocytes and rat bone cells. Guenther HL, et al. **Biochem J** 1981 Apr 15;196(1):293-301

Effects of two diphosphonates (EHDP and Cl2MDP) on serum uric acid in pagetic patients. Arlot ME, et al. **Calcif Tissue Int** 1981;33(3):195-8

Effect of diphosphonates on the synthesis of prostaglandins in cultured calvaria cells. Felix R, et al. **Calcif Tissue Int** 1981;33(5):549-52

The effect of long-term low-dose diphosphonate treatment on rat bone. Evans RA, et al. **Clin Orthop** 1982 May; (165):290-9

Effect of diphosphonates on ATP and Pi content, Pi uptake and energy charge of cultured calvaria cells. Felix R, et al. **Experientia** 1982 Jun 15;38(6):644-6

The effect of diphosphonates on periosteal and bone cells in culture. Felix R, et al. **Experientia** 1981;37(8):817-9

The progress of the periodontal syndrome in the rice cat. II. The effects of a diphosphonate on the periodontium. Gotcher JE, et al. **J Periodont Res** 1981 Jul;16(4):441-55

Diphosphonates and inhibition of bone mineralisation [letter] Boyce BF, et al. **Lancet** 1982 Apr 24;1(8278):964-5

Diphosphonates and inhibition of bone mineralization [letter] Nagant de Deuxchaisnes C, et al. **Lancet** 1982 Sep 11; 2(8298):607-8

[Diphosphonates: experimental studies] Ksiazek T. **Pol Arch Med Wewn** 1981 Feb;65(2):159-68 (30 ref.) **(Pol)**

[Effect of methylene diphosphonic acid on the immunological reactivity of guinea pigs infected with tuberculosis] Chumak AA, et al. **Farmakol Toksikol** 1981 Nov-Dec; 44(6):710-3 **(Rus)**

THERAPEUTIC USE

Comparison of two parenteral diphosphonates in hypercalcemia of malignancy. Jung A. **Am J Med** 1982 Feb;72(2):221-6

Therapy of hypercalcemia due to parathyroid carcinoma with intravenous dichloromethylene diphosphonate. Shane E, et al. **Am J Med** 1982 Jun;72(6):939-44

Human parathyroid hormone 1-34-mediated hypercalcemia in a rat model, and its inhibition by dichloromethane diphosphonate. Doppelt SH, et al. **Calcif Tissue Int** 1981; 33(6):649-54

The effects of various anti-calcific, anti-rheumatic and anti-inflammatory drugs on local (simple) calcergy induced by lead acetate in the mouse. McClure J. **J Pathol** 1982 Jul;137(3):243-52

Diphosphonates: aimed in a chemical sense [editorial] **Lancet** 1981 Dec 12;2(8259):1326-8

Diphosphonates for heterotopic ossification [letter] Boogs RW, et al. **Lancet** 1982 Mar 27;1(8274):750

Diphosphonates for periarticular ossification [letter] Need AG, et al. **Lancet** 1982 May 15;1(8281):1130

[Dichloromethylene diphosphonate (Cl2MDP) treatment of hypercalcaemia produced from bone metastases (author's transl)] Delmas P, et al. **Nouv Presse Med** 1982 Apr 24; 11(19):1471-4 (Eng. Abstr.) **(Fre)**

[Histomorphometric study of nonpagetic bone in Paget patients. Results before and after diphosphonates] Coindre JM, et al. **Rev Rhum Mal Osteoartic** 1982 Feb;49(2):103-9 (Eng. Abstr.) **(Fre)**

[[Clodronate therapy of hypercalcemia caused by hyperparathyroidism] Hoffmeyer P, et al. **Schweiz Med Wochenschr** 1982 Jan 23;112(4):118-20 (Eng. Abstr.) **(Fre)**

[Treatment of hypercalcemia of tumoral origin with two diphosphonates] Jung A, et al. **Schweiz Med Wochenschr** 1980 Nov 29;110(48):1822-4 (Eng. Abstr.) **(Fre)**

[Diphosphonates in the treatment of bone metastases] Jung A, et al. **Schweiz Med Wochenschr** 1981 Dec 5; 111(49):1878-82 (Eng. Abstr.) **(Fre)**

[Suppression of severe hypocalcemia associated with malignant lymphoma by intravenous administration of dichloromethylene diphosphonate] Tschopp JM, et al. **Schweiz Med Wochenschr** 1981 Oct 31;111(44):1655-7 (Eng. Abstr.) **(Fre)**

[Diphosphonates: clinical use] Ksiazek T. **Pol Arch Med Wewn** 1981 Feb;65(2):169-75 (33 ref.) **(Pol)**

[Management of osteitis deformans--diphosphonate, calcitonin or mitramycin?] Tørring O. **Lakartidningen** 1981 Aug 19;78(34):2831-2 **(Swe)**

DIPHOSPHOPYRIDINE NUCLEOTIDE see NAD

DIPHTHERIA

COMPLICATIONS

A case of noma with membrane on the throat. Vikram V, et al. **Indian J Pediatr** 1981 May-Jun;48(392):333-6

Corynebacterium diphtheriae endocarditis in an adult with congenital cyanotic heart disease. A case report. Sandler M. **S Afr Med J** 1982 Apr 17;61(16):594

[Malignant diphtheria with early myocarditis and acute renal failure (author's transl)] Stornowski C, et al. **Klin Padiatr** 1981 Sep;193(5):404-7 (Eng. Abstr.) **(Ger)**

[Paralysis of the soft palate in childhood] Dolinay T, et al. **Orv Hetil** 1981 Dec 6;122(49):3029-30 **(Hun)**

DIAGNOSIS

Streptococcal vs. diphtheritic tonsillitis [letter] Laub GR. **Am Fam Physician** 1982 Jan;25(1):30

Neonatal diphtheria : a case report. Choudhary P, et al. **Indian J Pediatr** 1981 May-Jun;48(392):339-40

[Bacterial endocarditis due to Corynebacterium diphtheriae (author's transl)] Senaneuch C, et al. **Arch Fr Pediatr** 1982 Mar;39(3):165-8 (Eng. Abstr.) **(Fre)**

[Corynebacterium endocarditis. Diagnostic difficulties (author's transl)] Brion M, et al. **Sem Hop Paris** 1982 Feb 4;58(5):307-9 (Eng. Abstr.) **(Fre)**

[Bacteriological diagnosis of diphtheria (minimal diagnosis)] Naumann P, et al. **Off Gesundheitswes** 1981 Nov; 43(11):569-74 **(Ger)**

[Early diagnosis of faucial diphtheria in adults] Pushnia VV. **Voen Med Zh** 1982 Jan;(1):42-5 **(Rus)**

HISTORY

Joseph Bell, M.D., F.R.C.S.:'notes on a case of paralysis following diphtheria'. Mann RJ, et al. **Pharos** 1982 Spring; 45(2):27-9

IMMUNOLOGY

Diphtheria: serologic study of 422 persons in Puerto Rico. Gorbea H, et al. **Bol Asoc Med PR** 1981 Jun;73(6):269-73

Estimation of antibody level against diphtheria in adult population by indirect haemagglutination test. Kumar A, et al. **Indian J Med Res** 1981 Oct;74:491-4

Diphtheria immunity in New Zealand children. Clements CJ. **NZ Med J** 1982 Jun 23;95(710):422-3

Diphtheria immunity in Mali (mothers and their neonates and children under two years of age. Allerdist H, et al. **Tropenmed Parasitol** 1981 Dec;32(4):274-5

[Level of immunity against diphtheria among the personnel of a Hamburg hospital and in the normal population (author's transl)] Allerdist H. **Dtsch Med Wochenschr** 1981 Dec 25;106(51-52):1737-41 (Eng. Abstr.) **(Ger)**

[Monthly dynamics of the antitoxic immunity against diphtheria and tetanus and of normal antibodies to fraction I of the plague microbe in adults] Basova NN, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1982 Mar;(3):82-6 (Eng. Abstr.) **(Rus)**

METABOLISM

[Intensity of lipolysis and myocardial contraction in certain experimental pathological conditions] Frolov VA, et al. **Biull Eksp Biol Med** 1982 Jan;93(1):17-9 **(Rus)**

[Synthesis and breakdown of pyridine nucleotide coenzymes in the cell nuclei of guinea pig kidneys in diphtheria intoxication] Pokrovskaia TG, et al. **Tsitologiia** 1981 Nov; 23(11):1320-4 (Eng. Abstr.) **(Rus)**

[Content of serotonin and histamine in rat submandibular gland under conditions of botulism and toxic diphtheria] Mikhailov VV, et al. **Vopr Med Khim** 1981 May-Jun; 27(3):317-20 (Eng. Abstr.) **(Rus)**

MICROBIOLOGY

Tetracycline resistance of Corynebacterium diphtheriae isolated from diphtheria patients in Jakarta, Indonesia. Rockhill RC, et al. **Antimicrob Agents Chemother** 1982 May;21(5):842-3

[Evaluation of the fluorescence for the identification of Corynebacterium diphtheriae in patients with diphtheria] Duarte Formiga LC, et al. **Rev Latinoam Microbiol** 1981 Jul-Sep;23(3):131-3 (Eng. Abstr.) **(Spa)**

OCCURRENCE

[Epidemiologic aspect of diphtheria in Valdivia pediatric population 1975-1978 (author's transl)] Jara J, et al. **Rev Chil Pediatr** 1981 Jul-Aug;52(4):341-6 (Eng. Abstr.) **(Spa)**

[Epidemiologic aspect of diphteria in Valdivia pediatric population in the period 1975-1978 (author's transl)] Jara J, et al. **Rev Chil Pediatr** 1981 Jul-Aug;52(4):341-6 (Eng. Abstr.) **(Spa)**

PATHOLOGY

[Results of muscle biopsies in diphtheritic polyneuropathy. Light- and electron-microscopic examinations of muscle fibers, intramuscular nerves, motor endplates, and intramuscular vessels] Gibbels E, et al. **Acta Neuropathol (Berl)** 1981;55(4):307-18 (Eng. Abstr.) **(Ger)**

PREVENTION & CONTROL

Diphtheria, tetanus, and pertussis: Guidelines for vaccine prophylaxis and other preventive measures. Immunization Practices Advisory Committee, Centers for Disease Control. **Ann Intern Med** 1981 Dec;95(6):723-8

Immunization against diphtheria in Japan. Murata R. **Jpn J Med Sci Biol** 1981 Dec;34(6):329-54 (46 ref.)

[Epidemiological surveillance in diphtheria infections] Favorova LA, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1981;(8):8-13 **(Rus)**

DIPHTHERIA ANTITOXIN

ANALYSIS

Diphtheria: serologic study of 422 persons in Puerto Rico. Gorbea H, et al. **Bol Asoc Med PR** 1981 Jun;73(6):269-73

Sero-conversion following DPT immunization-comparison of two immunizing agents. Ray K, et al. **J Commun Dis** 1980 Jun;12(2):69-72

[Diphteric and tetanic antitoxins seric values in the first year of life, before and after immunization an horizontal survey in Mozambic (author's transl)] Levy FM, et al. **Med Trop (Mars)** 1981 Nov-Dec;41(6):633-9 (Eng. Abstr.) **(Fre)**

[Seroepidemiological survey of diphtheria antitoxin in Yamaguchi prefecture, Japan (author's transl)] Itagaki K, et al. **Kansenshogaku Zasshi** 1982 Mar;56(3):200-6 (Eng.

Abstr.) (Jpn)

BLOOD

Estimation of antibody level against diphtheria in adult population by indirect haemagglutination test. Kumar A, et al. **Indian J Med Res** 1981 Oct;74:491–4

IMMUNOLOGY

Intracellular stability of diphtheria toxin fragment A in the presence and absence of anti-fragment A antibody. Yamaizumi M, et al. **Proc Natl Acad Sci USA** 1982 Jan; 79(2):461–5

ISOLATION & PURIFICATION

Employment of toxins bound to porous silica beads for isolation of pure antibodies by immunoadsorption. Relyveld EH. **Ann Immunol (Paris)** 1981 May–Jun;132 C(3):365–74

DIPHTHERIA TOXIN

Cytotoxicity of a hybrid prepared by coupling diphtheria toxin A-chain with immunoglobulin Fab' with N,N'-o-phenylenedimaleimide. Masuho Y, et al. **Biochem Biophys Res Commun** 1981 Sep 16;102(1):561–7

An endogenous dinucleotide bound to diphtheria toxin. Adenylyl-(3',5')-uridine 3'-monophosphate. Barbieri JT, et al. **J Biol Chem** 1981 Dec 10;256(23):12247–51

Characterization of hybrid molecules containing fragment A from diphtheria toxin linked to concanavalin A or the binding subunit of ricin toxin. Gilliland DG, et al. **J Biol Chem** 1981 Dec 25;256(24):12731–9

Insertion of diphtheria toxin into and across membranes: role of phosphoinositide asymmetry. Donovan JJ, et al. **Nature** 1982 Aug 12;298(5875):669–72

Structure-activity relationships of the B fragment of diphtheria toxin: the lipid-binding domains. Falmagne P, et al. **Toxicon** 1982;20(1):243–6

ADMINISTRATION & DOSAGE

Diphtheria toxin and related proteins: effect of route of injection on toxicity and the determination of cytotoxicity for various cultured cells. Pappenheimer AM Jr, et al. **J Infect Dis** 1982 Jan;145(1):94–102

ANALYSIS

Proof for the lack of diphtheria toxin in culture filtrates of Corynebacterium ulcerans strain ATCC 9015. Vertiev YuV, et al. **Zentral Bakteriol Mikrobiol Hyg [A]** 1981; 249(4):520–6

[Interactions between Diphtheria toxin and dextran blue] Khavkin IuA, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1981;(8):63–6 (Eng. Abstr.) (Rus)

[Use of the passive hemagglutination inhibition test to measure diphtheria toxin activity] Savranskaia SIa, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1981 Oct;(10):62–4 (Eng. Abstr.) (Rus)

BIOSYNTHESIS

Mutants of Corynebacterium diphtheriae PW8 that produce toxin in medium with excess iron. Ishii-Kanei C, et al. **Appl Environ Microbiol** 1981 Dec;42(6):1130–1

GENETICS

Identification of deoxyribonucleic acid restriction fragments of beta-converting corynebacteriophages that carry the gene for diphtheria toxin. Buck GA, et al. **J Bacteriol** 1981 Oct;148(1):153–62

Restriction map of corynebacteriophages beta c and beta vir and physical localization of the diphtheria tox operon. Costa JJ, et al. **J Bacteriol** 1981 Oct;148(1):124–30

HISTORY

From Pap to ApUp. Collier RJ. **Cell Immunol** 1982 Jan 1; 66(1):17–23

IMMUNOLOGY

Monoclonal antibody-ricin or ricin A chain hybrids: kinetic analysis of cell killing for tumor therapy. Neville DM Jr, et al. **Immunol Rev** 1982;62:75–91 (30 ref.)

Immunological cross-reactivity in the absence of DNA homology between Pseudomonas toxin A and diphtheria toxin. Sadoff JC, et al. **Infect Immun** 1982 Jul;37(1):250–4

ISOLATION & PURIFICATION

X-ray grade crystals of diphtheria toxin. Collier RJ, et al. **J Biol Chem** 1982 May 10;257(9):5283–5

Preliminary crystallographic investigation of the protein toxin from corynebacterium diphtheriae. McKeever B, et al. **J Biol Chem** 1982 Jun 25;257(12):6923–5

METABOLISM

Studies on the role of a nucleoside-phosphate-binding site of diphtheria toxin in the binding of toxin to Vero cells or liposomes. Boquet P, et al. **Eur J Biochem** 1981 Dec; 121(1):93–8

Effect of ammonium chloride on receptor-mediated uptake of diphtheria toxin by Vero cells. Dorland RB, et al. **Exp Cell Res** 1981 Aug;134(2):319–27

Kinetics of protein synthesis inactivation by diphtheria toxin in toxin-resistant L cells. Evidence for a low efficiency receptor-mediated transport system. Heagy WE, et al. **J Biol Chem** 1981 Dec 25;256(24):12788–92

Entry of the toxic proteins abrin, modeccin, ricin, and diphtheria toxin into cells. I. Requirement for calcium. Sandvig K, et al. **J Biol Chem** 1982 Jul 10;257(13):7495–503

Entry of the toxic proteins abrin, modeccin, ricin, and diphtheria toxin into cells. II. Effect of pH, metabolic inhibitors, and ionophores and evidence for toxin penetration from endocytotic vesicles. Sandvig K, et al. **J Biol Chem** 1982 Jul 10;257(13):7504–13

Monensin blocks the transport of diphtheria toxin to the cell cytoplasm. Marnell MH, et al. **J Cell Biol** 1982 Apr; 93(1):57–62

Receptor-mediated endocytosis of diphtheria toxin by cells in culture. Keen JH, et al. **Proc Natl Acad Sci USA** 1982 May;79(9):2912–6

Intracellular stability of diphtheria toxin fragment A in the presence and absence of anti-fragment A antibody. Yamaizumi M, et al. **Proc Natl Acad Sci USA** 1982 Jan; 79(2):461–5

PHARMACODYNAMICS

Induction of diphtheria toxin-resistant mutants in human cells by ultraviolet light. Rocchi P, et al. **Carcinogenesis** 1981; 2(12):1289–91

Effects of diphtheria toxin and other exotoxins on oxidant generation by human and murine phagocytes. Mookerjee BK, et al. **Dev Comp Immunol** 1982 Winter;6(1):161–70

Inhibition of mitochondrial protein synthesis and energy coupling by fragment A of diphtheria toxin. Abraham AK, et al. **Eur J Biochem** 1982 Mar;123(1):201–7

Differential sensitivity of reticulocytes to nicked and unnicked diphtheria toxin. Middlebrook JL, et al. **Exp Cell Res** 1982 Mar;138(1):175–82

Preparation and properties of chimeric toxins prepared from the constituent polypeptides of diphtheria toxin and ricin. Evidence for entry of ricin A-chain via the diphtheria toxin pathway. Sundan A, et al. **J Biol Chem** 1982 Aug 25; 257(16):9733–9

Saccharomyces cerevisiae spheroplasts are sensitive to the action of diphtheria toxin. Murakami S, et al. **Mol Cell Biol** 1982 May;2(5):588–92

Anti-transferrin receptor monoclonal antibody and toxin-antibody conjugates affect growth of human tumour cells. Trowbridge IS, et al. **Nature** 1981 Nov 12; 294(5837):171–3

Diphtheria toxin fragment forms large pores in phospholipid bilayer membranes. Kagan BL, et al. **Proc Natl Acad Sci USA** 1981 Aug;78(8):4950–4

THERAPEUTIC USE

Diphtheria toxin treatment of human advanced cancer. Buzzi S. **Cancer Res** 1982 May;42(5):2054–8

DIPHTHERIA TOXOID

Immunization against diphtheria in Japan. Murata R. **Jpn J Med Sci Biol** 1981 Dec;34(6):329–54 (46 ref.)

[Analysis of data in the patent literature on methods of preparing the components of adsorbed DTP vaccine] Dzheksenbaev OSh, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1981 Sep;(9):24–9 (28 ref.) (Rus)

ADMINISTRATION & DOSAGE

[Effect of duration of the intervals between immunization with DPT vaccine on the serological indices in children] Baeva EA, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1982 Feb;(2):90–6 (Eng. Abstr.) (Rus)

[Epidemiologic aspect of diphteria in Valdivia pediatric population in the period 1975–1978 (author's transl)] Jara J, et al. **Rev Chil Pediatr** 1981 Jul–Aug;52(4):341–6 (Eng. Abstr.) (Spa)

ADVERSE EFFECTS

Abscesses complicating DTP vaccination. Bernier RH, et al. **Am J Dis Child** 1981 Sep;135(9):826–8

Antibody titers after dpt immunization [letter] Chiarello RA. **Hosp Pract** 1982 Apr;17(4):17

Bulging fontanel following triple vaccine [letter] Mathur R, et al. **Indian Pediatr** 1981 Jun;18(6):417–8

Herald patch in a DPT injection site [letter] Laude TA. **J Am Acad Dermatol** 1981 Oct;5(4):475–6

A laboratory study of the toxicity of some diphtheria--tetanus--pertussis vaccines. Hooker JM. **J Biol Stand** 1981 Oct;9(4):493–506

Diphtheria-tetanus toxoids-pertussis vaccination and sudden infant deaths in Tennessee. Bernier RH, et al. **J Pediatr** 1982 Sep;101(3):419–21

TV report on DTP galvanizes US pediatricians [news] González ER. **JAMA** 1982 Jul 2;248(1):12–4, 20–2

Post-DPT inoculation cervical lymphadenitis in children. Omokoku B, et al. **NY State J Med** 1981 Oct;81(11):1667–8

Nature and rates of adverse reactions associated with DTP and DT immunizations in infants and children. Cody CL, et al. **Pediatrics** 1981 Nov;68(5):650–60

Skin reactions after triple vaccine. Orlans D, et al. **Practitioner** 1982 Jul;226(1369):1295–6

Vaccine reactions: the challenge to pediatricians. Cockrell JL. **Va Med** 1982 Jun;109(6):380–1

[Reactions after immunization with the triple vaccine against diphtheria, tetanus, and pertussis] Burianová B, et al. **Cesk Pediatr** 1981 Nov;36(11):646–7 (Eng. Abstr.) (Cze)

[Prophylactic inoculations and seizure activity in the EEG] Ciżewska S, et al. **Neurol Neurochir Pol** 1981 Sep–Dec; 15(5–6):553–7 (Eng. Abstr.) (Pol)

[Apropos encephalitis in ADPT vaccination] Pokrovskaia NIa, et al. **Pediatriia** 1981 May;(5):39–41 (Rus)

IMMUNOLOGY

Seroconversion following D.P.T. vaccine: effect of storage conditions. Pamecha RK, et al. **Indian J Pediatr** 1981 Nov–Dec;48(395):739–44

Intrathecal synthesis of antibodies to diphtheria and tetanus toxoids in multiple sclerosis patients. Salmi A, et al. **J Neuroimmunol** 1981 Sep;1(3):333–41

[Antigenic similarity of the pertussis component of adsorbed DTP vaccine to human erythrocytes] Aleksandrova LZ, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1982 Jun;(6):82–8 (Eng. Abstr.) (Rus)

ISOLATION & PURIFICATION

[Initial studies for the development of processes in the production of bacterial vaccines by agitator culture] Medina García A, et al. **Salud Publica Mex** 1981 Nov–Dec; 23(6):555–62 (Eng. Abstr.) (Spa)

TOXICITY

The results of study of pertussis component of DPT vaccine produced in USSR and some other countries. Zakharova MS, et al. **J Hyg Epidemiol Microbiol Immunol** 1981; 25(4):439–48

[Evaluation of the toxic action of prophylactic and therapeutic preparations on cell cultures of different types and origin. II. The cytotoxic action of adsorbed DPT vaccine and its components on cells of the continuous L132 line] Kravchenko AT, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1982 May;(5):53–7 (Eng. Abstr.) (Rus)

[Evaluation of the toxic effects of preventive and therapeutic preparations in transplantable cell cultures from different species and of different origins. I. Demonstration of the toxic properties of commercial batches of adsorbed DPT vaccine in cell cultures] Sovetova GP, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1981 Oct;(10):84–7 (Eng. Abstr.) (Rus)

DIPHTHERIA VACCINE see DIPHTHERIA TOXOID

DIPHYLLOBOTHRIASIS

DRUG THERAPY

Single dose treatment with praziquantel (Cesol R, EmBay 8440) of human cestodiasis caused by Diphyllobothrium pacificum. Lumbreras H, et al. **Tropenmed Parasitol** 1982 Mar;33(1):5–7

[Effectiveness of different forms of fenasal in the mass treatment of diphyllobothriasis] Chernyshenko AI, et al. **Med Parazitol (Mosk)** 1982 Mar–Apr;60(2):78–81 (Eng. Abstr.) (Rus)

ETIOLOGY

Gefilte fish and diphyllobothriasis [letter] Loeb LJ. **JAMA** 1982 Mar 19;247(11):1566

OCCURRENCE

Diphyllobothriasis [editorial] Barclay WR. **JAMA** 1981 Nov 27;246(21):2483

Human Life Bill [letter] Dooley JR. **JAMA** 1982 Apr 23; 247(16):2230–1

Prevalence of diphyllobothriasis [letter] Hecht RC. **JAMA** 1982 Mar 19;247(11):1566

[Intestinal parasites. I. Taeniasis and other parasitic diseases] Zembrzuski K. **Przegl Epidemiol** 1981;35(1):159–65 (Pol)

[Diphyllobothriasis in Novosirsk Province. I. Characteristics of the epidemiological status] Klebanovskiĭ VA, et al. **Med Parazitol (Mosk)** 1982 Mar–Apr;60(2):24–8 (Eng. Abstr.) (Rus)

[Research on Diphyllobothrium and other intestinal parasites in the human population and domestic carnivores from Calafquén Lake, Chile (author's transl)] Torres P, et al. **Bol Chil Parasitol** 1980 Jul–Dec;35(3–4):55–61 (Eng. Abstr.) (Spa)

TRANSMISSION

[Role of navigation canals in the spread of diphyllobothriasis] Artamoshin AS. **Med Parazitol (Mosk)** 1982 Mar–Apr; 60(2):28–32 (Eng. Abstr.) (Rus)

VETERINARY

[Diphyllobothriosis and sparganosis in tropical Africa] Graber M. **Rev Elev Med Vet Pays Trop** 1981;34(3):303–11 (Eng. Abstr.) (Fre)

[Research on Pseudophyllidea (Carus, 1813) from the south of Chile. VI. Diphyllobothrium (Cobbold) infection in Larus maculipennis Lichtenstein from Calafquén Lake

(author's transl)] Figueroa L, et al. **Bol Chil Parasitol** 1980 Jul-Dec;35(3-4):71-3 (Eng. Abstr.) **(Spa)**

[Pseudophyllidea (Carus, 1813) in southern Chile. VII. Seasonal distribution of plerocercoid infection in Salmo gairdneri (Richardson) in lake Calafquén] Torres P, et al. **Zentralbl Veterinarmed [B]** 1982 Feb;29(1):67-75 (Eng. Abstr.) **(Spa)**

DIPHYLLOBOTHRIUM

ANATOMY & HISTOLOGY

Researches on Pseudophyllidea (Carus, 1813) in the south of Chile. IV Occurrence of Diphyllobothrium dendriticum (Nitzch). Torres P, et al. **J Helminthol** 1981 Sep; 55(3):173-87

PHYSIOLOGY

Release of neurosecretory material by protrusions of bounding membranes extending through the axolemma, in Diphyllobothrium dendriticum (Cestoda). Gustafsson MK, et al. **Cell Tissue Res** 1981;220(3):473-9

DIPLOCOCCUS PNEUMONIAE see **STREPTOCOCCUS PNEUMONIAE**

DIPLOIDY

Nontumoral, benign ad malignant stages of transformation of a diploid pig cell line. A review. Bouillant AM, et al. **Can J Comp Med** 1981 Jul;45(3):279-90

Cytogenetic analysis and flow cytometric DNA measurement of a human tumor with pronounced hypodiploidy. Petersen SE, et al. **Cancer Genet Cytogenet** 1981 Aug;4(1):1-9

Evaluation and comparative studies of inactivated rabies vaccines obtained in the heterologous diploid and polyploid cells (HAK, BHK and VERO). Atanasiu P, et al. **Dev Biol Stand** 1981;50:173-82

Preimplantation development of microsurgically obtained haploid and homozygous diploid mouse embryos and effects of pretreatment with Cytochalasin B on enucleated eggs. Modliński JA. **J Embryol Exp Morphol** 1980 Dec; 60:153-61

A theory of natural selection incorporating interaction among individuals. IX. Use of groups consisting of a mating pair and sterile diploid caste members. Griffing B. **J Theor Biol** 1982 Mar 7;95(1):181-98

A theory of natural selection incorporating interaction among individuals. X. Use of groups consisting of a mating pair together with haploid and diploid caste members. Griffing B. **J Theor Biol** 1982 Mar 7;95(1):199-223

Diploidy and sex as the selective advantages for retaining genes transferred from mitochondrial and plastid ancestors in the nuclear genome. Thornley AL, et al. **J Theor Biol** 1981 Aug 7;91(3):515-23

The effect of multiple inseminations on the evolution of social behaviors in diploid and haplo-diploid organisms. Wade MJ. **J Theor Biol** 1982 Mar 21;95(2):351-68

Chronic T-cell leukemias. II. Cytogenetic studies. Pittman S, et al. **Leuk Res** 1982;6(1):33-42

[Characteristics of a human diploid cell line, KMB-17] Guo R, et al. **Chung Kuo I Hsueh Ko Hsueh Yuan Hsueh Pao** 1981 Dec; 3(4):226-30 (Eng. Abstr.) **(Chi)**

DIPLOPIA

CHEMICALLY INDUCED

D-penicillamine and the ocular myasthenic syndrome. Kimbrough RL, et al. **Ann Ophthalmol** 1981 Oct; 13(10):1171-2

Diplopia following ibuprofen administration [letter] Asherov J, et al. **JAMA** 1982 Aug 13;248(6):649

COMPLICATIONS

The ocular signs and symptoms of myasthenia gravis. Oosterhuis HJ. **Doc Ophthalmol** 1982 Jan 29;52(3-4):363-78

Periodic alternating skew deviation. Mitchell JM, et al. **J Clin Neuro Ophthalmol** 1981 Mar;1(1):5-8

Endocrine ophthalmomyopathy in adolescence. Metz HS, et al. **J Pediatr Ophthalmol Strabismus** 1982 Jan-Feb; 19(1):58-60

Surgery of bilateral superior oblique palsy. Mitchell PR, et al. **Ophthalmology (Rochester)** 1982 May;89(5):484-8

The surgery of deep orbital tumors. Flanagan JC. **Trans Pa Acad Ophthalmol Otolaryngol** 1982 Spring; 35(1):16-23

[Diplopia with strabismus] Godde-Jolly D. **Annee Ther Clin Ophtalmol** 1980;31:239-52 (Eng. Abstr.) **(Fre)**

DIAGNOSIS

Practical approach in the diagnosis of vertical ocular palsy. Singhal NC. **Indian J Ophthalmol** 1981 Dec;29(4):439-42

Diagnosis and management of monocular diplopia. Amos JF. **J Am Optom Assoc** 1982 Feb;53(2):101-15

Modification of the RanDot stereogram for greater clinical reliability. London R, et al. **J Am Optom Assoc** 1981 Nov; 52(11):875-6

The clinical calculation of fixation disparity. Press LJ. **J Am Optom Assoc** 1981 Nov;52(11):877-80

Unilateral sixth nerve paresis. Quencer RM. **J Clin Neuro Ophthalmol** 1981 Mar;1(1):57-62

[Does central binocular vision really exist as a stable dominant function?] Glăvan II. **Rev Chir [Oftalmol]** 1980 Jul-Sep;24(3):181-3 (Eng. Abstr.) **(Rum)**

ETIOLOGY

Diplopia in autoimmune thyroid disease. Appen RE, et al. **Arch Intern Med** 1982 May;142(5):898-901

Television-induced formed visual hallucinations and cerebral diplopia. Safran AB, et al. **Br J Ophthalmol** 1981 Oct; 65(10):707-11

Isolated bilateral abducens palsy. Wagner HB, et al. **J Am Optom Assoc** 1982 Jun;53(6):493-4

Acquired diplopia. Not always a neurologic problem. Keltner JL, et al. **Surv Ophthalmol** 1982 May-Jun;26(6):345-9

Diplopia as a presenting sign of neoplasia. Trimble R. **Trans Ophthalmol Soc UK** 1980;100(4):498-500

[Orbital varices manifested by prolonged diplopia] Salmon D, et al. **Bull Soc Ophtalmol Fr** 1981 Jun-Jul;81(6-7):653-5 (Eng. Abstr.) **(Fre)**

[Intermittent amblyopia and diplopia revealing, twenty years later, the presence of an isolated fibrous dysplasia of the cranial bones (author's transl)] Delandsheer E, et al. **Rev Otoneuroophtalmol** 1981 May-Jun;53(3):255-63 (Eng. Abstr.) **(Fre)**

[Diplopia after squint operations in adults (author's transl)] Todter F. **Klin Monatsbl Augenheilkd** 1981 Dec; 179(6):496-500 (Eng. Abstr.) **(Ger)**

[Neurological manifestations of nasopharyngeal malignant tumors (author's transl)] Ishikawa S, et al. **No Shinkei Geka** 1981 Oct;9(11):1269-76 (Eng. Abstr.) **(Jpn)**

FAMILIAL & GENETIC

Familial intermittent diplopia: a report of two cases. Flynn SF, et al. **Aviat Space Environ Med** 1982 Jul;53(7):704-7

PARASITOLOGY

Case of cysticercosis presenting with persistent 'diplopia' and spontaneous extrusion. Baskararajan G, et al. **Indian J Ophthalmol** 1981 Jan;28(4):219-20

PHYSIOPATHOLOGY

Value of oculomyodynamometry in traumatic diplopia. Direct ocular muscle force measurements. Madroszkiewicz A, et al. **Arch Ophthalmol** 1982 Mar;100(3):445-7

Diplopia thresholds and the initiation of vergence eye-movements. Duwaer AL, et al. **Vision Res** 1981; 21(12):1727-37

The effect of presentation time on detection and diplopia thresholds for vertical disparities. Duwaer AL, et al. **Vision Res** 1982;22(1):183-9

THERAPY

Auditory biofeedback and intermittent exotropia. Afanador AJ. **J Am Optom Assoc** 1982 Jun;53(6):481-3

DIPODOMYS see under **RODENTIA**

DIPRENORPHINE see under **MORPHINANS**

DIPROPYL ACETATE see **VALPROATE**

DIPTERA

Mechanical transmission of anaplasmosis by tabanids (Diptera: Tabanidae). Hawkins JA, et al. **Am J Vet Res** 1982 Apr;43(4):732-4

The occurrence of Simulium s. l. in the Libyan Arab Republic. Crosskey RW, et al. **Ann Trop Med Parasitol** 1981 Dec;75(6):647-51

Clinical and histopathologic correlation of midge bites. Steffen C. **Arch Dermatol** 1981 Dec;117(12):785-7

Reactions to mosquito and blackfly bites [letter] Dolovich J, et al. **Can Med Assoc J** 1982 May 15;126(10):1147

Ocular myiasis caused by oestrus ovis. (A case report). Chandra DB, et al. **Indian J Ophthalmol** 1981 OCT; 29(3):199-200

Use of insecticide-impregnated ear tags for the control of face flies and horn-flies on pastured cattle. Williams RE, et al. **J Anim Sci** 1981 Nov;53(5):1159-65

Susceptibility of Simulium himalayense larvae to some insecticides. Das SC, et al. **J Commun Dis** 1981 Sep; 13(3):189-93

Face fly and horn fly reduction on cattle with fenvalerate ear tags. Knapp FW, et al. **J Econ Entomol** 1981 Jun; 74(3):295-6

Sustained-release Rabon bolus for face fly control in cattle feces. Riner JL, et al. **J Econ Entomol** 1981 Jun; 74(3):359-62

Effect of face flies on grazing time and weight gain in dairy heifers. Schmidtmann ET, et al. **J Econ Entomol** 1981 Feb; 74(1):33-9

Evaluation of temephos as a larvicide against Simuliidaein Guatemala. Takaoka H, et al. **J Med Entomol** 1981 Apr; 18(2):145-52

Dermatobia hominis--in Belize. Keech JP. **J R Army Med Corps** 1981 Oct;127(3):131-3

Myiasis due to tumbu fly larva [letter] Pickering AH. **Lancet** 1982 Jul 10;2(8289):108-9

Evidence on horizontal transmission of bovine leukemia virus due to blood-sucking tabanid flies. Ohshima K, et al. **Nippon Juigaku Zasshi** 1981 Feb;43(1):79-81

The control of Simuliidae (Diptera, Nematocera) in South African rivers by modification of the water flow volume. Howell CJ, et al. **Onderstepoort J Vet Res** 1981 Mar; 48(1):47-9

Attempts to transmit Anaplasma marginale with Hippobosca rufipes and Stomoxys calcitrans. Potgieter FT, et al. **Onderstepoort J Vet Res** 1981 Jun;48(2):119-122

Proteolytic activity of blowfly larvae secretions in experimental burns. Vistnes LM, et al. **Surgery** 1981 Nov; 90(5):835-41

Large river treatment with Bacillus thuringiensis (H-14) for the control of Simulium damnosum s.l. in the Onchocerciasis Control Programme. Lacey LA, et al. **Tropenmed Parasitol** 1982 Jun;33(2):97-101

Relative toxicity of decamethrin, chlorphoxim and temephos (abate) to simulium larvae. Muirhead-Thomson RC. **Tropenmed Parasitol** 1981 Sep;32(3):189-93

Long duration fly control on cattle using cypermethrin impregnated ear tags. Liddel JS, et al. **Vet Rec** 1982 May 22;110(21):502

A case of sheep strike in a neonatal lamb caused by Lucilia cuprina. Otesile EB, et al. **Zentralbl Veterinarmed [B]** 1981; 28(8):654-8

[Distribution of blackflies (Diptera: Simuliidae) in the Schwerin district] Gräfner G. **Angew Parasitol** 1981 Aug; 22(3):144-6 **(Ger)**

[Sanitary and economic significance of black flies (Simuliidae, Diptera) and the current state of research on these insects in poland] Niesiołowski S. **Wiad Parazytol** 1980; 26(6):663-77 (73 ref.) (Eng. Abstr.) **(Pol)**

[Effectiveness of repellents against synanthropic fly species] Bakiev IS. **Med Parazitol (Mosk)** 1982 Jan-Feb;51(1):79-80 **(Rus)**

[Effect of phytobacteriomycin on biting fly larvae (Diptera, Simuliidae)] Ganushkina LA, et al. **Med Parazitol (Mosk)** 1982 Jan-Feb;51(1):48-51 (Eng. Abstr.) **(Rus)**

[Influence of the Kakhovka Reservoir on the fauna and population count of horseflies] Shevchenko AK, et al. **Med Parazitol (Mosk)** 1981 Jul-Aug;50(4):57-61 (Eng. Abstr.) **(Rus)**

ANALYSIS

Isolation and partial characterization of pancreatic polypeptide-like material in the brain of the blowfly Calliphora vomitoria. Duve H, et al. **Biochem J** 1981 Sep 1;197(3):767-70

A neuropeptide of the blowfly Calliphora vomitoria with an amino acid composiiion homologous with vertebrae pancreatic polypeptide. Duve H, et al. **Biochem J** 1982 Feb 1;201(2):429-32

Identification of storage-protein messenger RNA of the fleshfly Sarcophaga peregrina. Tahara T, et al. **Biochem J** 1982 Jun 1;203(3):571-5

Proton nuclear magnetic resonance investigation of the nature of solution conformational equilibria of monomeric insect deoxyhemoglobins. La Mar GN, et al. **Biochemistry** 1981 Jul 21;20(15):4429-36

Immunochemical characterization of gastrin/cholecystokinin-like peptides in the brain of the blowfly, Calliphora vomitoria. Dockray GJ, et al. **Gen Comp Endocrinol** 1981 Dec;45(4):491-6

Isolation, characterization, and amino acid sequence of a ubiquitin-like protein from insect eggs. Gavilanes JG, et al. **J Biol Chem** 1982 Sep 10;257(17):10267-70

Studies on the evolutionary relationships between hemoglobins in Chironomus pallidivittatus and C. tentsans. I. Isolation and immunological analysis of monomeric and dimeric hemoglobins. Tichy H, et al. **J Mol Evol** 1981; 18(1):9-14

Histochemical differentiation of filarial larvae found in Simulium damnosum s.l. in West Africa. Omar MS, et al. **Tropenmed Parasitol** 1981 Dec;32(4):259-64

ANATOMY & HISTOLOGY

A labile, Ca2+-dependent cytoskeleton in rhabdomeral microvilli of blowflies. Blest AD, et al. **Cell Tissue Res** 1982;223(3):553-73

Changes in the neuroendocrine system during post-embryonic development in the buffalo-fly, Lyperosia exigua (De Meijere) (Diptera: Muscidae). Khurad AM, et al. **J Hirnforsch** 1982;23(1):31-8

[Morphological intraspecific variation, according to the biotope, in larvae of the Simulium damnosum complex (author's transl)] Elsen P. **Ann Soc Belg Med Trop** 1981 Sep;61(3):399-403 (Eng. Abstr.) **(Fre)**

CLASSIFICATION

Identification of two West African black flies (Diptera: Simuliidae) of the Simulium damnosum species complex by analysis of cuticular paraffins. Carlson DA, et al. **Acta Trop (Basel)** 1981 Sep;38(3):235-9

The cytotaxonomy of Simulium (Edwardsellum) dieguerense Vajime and Dunbar 1975. Post RJ. **Tropenmed Parasitol** 1982 Mar;33(1):37-9

[Diptera in the mammalian section of the zoological gardens

with reference to the medical aspects of infection] Kühlhorn F. **Angew Parasitol** 1981 May;22(2):92–103 (Eng. Abstr.) **(Ger)**

[Supplement to horsefly fauna (Diptera, Tabanidae) of Amur Province] Serbeniuk SA, et al. **Med Parazitol (Mosk)** 1982 Jan–Feb;51(1):77–9 (Eng. Abstr.) **(Rus)**

[Fauna and ecology of individual blood sucking fly species in Donetsk Province] Usova ZV, et al. **Med Parazitol (Mosk)** 1982 Jan–Feb;51(1):54–8 (Eng. Abstr.) **(Rus)**

CYTOLOGY

Chironomus tentans epithelial cell lines sensitive to ecdysteroids, juvenile hormone, insulin and heat shock. Wyss C. **Exp Cell Res** 1982 Jun;139(2):309–19

Autosomal spindle fibres influence subsequent sex-chromosome movement in crane-fly spermatocytes. Sillers PJ, et al. **J Cell Sci** 1981 Jun;49:51–67

Vertical motion detectors and their synaptic relations in the third optic lobe of the fly. Bishop CA, et al. **J Neurobiol** 1981 May;12(3):281–96

Establishment of continuously in vitro growing cell lines of med-fly (Ceratitis capitata wied.). Cavalloro R. **Rev Can Biol** 1981 Jun;40(2):181–6

DRUG EFFECTS

A method for assessing chronic effects of toxic substances on the midge, Paratanytarsus parthenogeneticus–effects of copper. Hatakeyama S, et al. **Arch Environ Contam Toxicol** 1981 Nov;10(6):705–13

Efficacy of monensin as a cattle feed additive against the face fly and horn fly. Herald F, et al. **J Anim Sci** 1982 Jun;54(6):1128–31

Tolerance levels of select stream macroinvertebrates to the Simulium larvicides, Chlorphoxim and decamethrin. Muirhead-Thomson RC. **Tropenmed Parasitol** 1981 Dec; 32(4):265–8

[Effect of glutamic acid on the resting potential of Chironomus larva salivary gland cells] Klevets MIu, et al. **Fiziol Zh** 1982 Mar–Apr;28(2):245–6 **(Rus)**

EMBRYOLOGY

Modifying effects of ultraviolet irradiation on the development of abnormal body patterns in centrifuged insect embryos (Smittia sp., Chironomidae, Diptera). Kalthoff K, et al. **Dev Biol** 1982 Jun;91(2):413–22

Embryonic development of insect eggs formed without follicular epithelium. Went DF, et al. **Dev Biol** 1981 Aug; 86(1):100–10

ENZYMOLOGY

Purification and characterization of chitinase from the stable fly, Stomoxys calcitrans. Chen AC, et al. **Arch Biochem Biophys** 1982 Jun;216(1):314–21

Effect of E. coli endotoxin on the structure–function of fatty acid synthetase lipoprotein. Gavilanes JG, et al. **Biochem Biophys Res Commun** 1981 Aug 31;101(4):1228–32

Activation of latent ribonuclease in the fat-body of fleshfly (Sarcophaga peregrina) larvae on pupation. Aoki Y, et al. **Biochem J** 1981 Jun 15;196(3):699–703

Phosphatidylinositol-hydrolysing enzymes in blowfly salivary glands. Irvine RF, et al. **Biochem J** 1982 Apr 15; 204(1):361–4

Regulation of adenylate cyclase and cyclic AMP phosphodiesterase by 5-hydroxytryptamine and calcium ions in blowfly salivary-gland homogenates. Litosch I, et al. **Biochem J** 1982 Apr 15;204(1):153–9

Heterologous enzyme-enzyme complex between D-fructose-1,6-bisphosphate aldolase and triosephosphate isomerase from Ceratitis capitata. Gavilanes F, et al. **Biochim Biophys Acta** 1981 Jul 24;660(1):154–6

Kinetic properties and regulation of glycerol-3-phosphate dehydrogenase from the overwintering, freezing-tolerant gall fly larva, Eurosta solidagensis. Storey JM, et al. **Cryobiology** 1982 Apr;19(2):185–94

Stereochemistry of the hydrolysis of trehalose by the enzyme trehalase prepared from the flesh fly Sarcophaga barbata. Clifford KH. **Eur J Biochem** 1980 May;106(1):337–40

Immunological relatedness of subunits of RNA polymerase II from insects and mammals. Krämer A, et al. **Eur J Biochem** 1981 Jul;117(3):449–55

Conformational stability of fructose-1, 6-biphosphate aldolase from Ceratitis capitata. Gavilanes FG, et al. **Int J Pept Protein Res** 1981 May;17(5):539–45

Crystallization and preliminary x-ray diffraction data for the collagenase of Hypoderma lineatum larvae. Ducruix A, et al. **J Mol Biol** 1981 Sep 15;151(2):327–8

GENETICS

Selection for central excitatory state (CES) in the blow fly Phormia regina. McGuire TR. **Behav Genet** 1981 Jul; 11(4):331–8

Study of salivary gland specific transcripts in Chironomus tentans by cDNA analysis. Büchner-Vollmers A, et al. **Chromosoma** 1981;83(3):315–25

A structural analysis of Balbiani ring dna sequences in Chironomus tentans. Degelmann A, et al. **Chromosoma** 1981;83(3):295–313

Isolation of DNA from single microsurgically excised bands of polytene chromosomes of Chironomus. Frey M, et al. **Chromosoma** 1982 Feb;84(4):493–503

Cell-specific synthesis and glycosylation of secretory proteins in larval salivary glands of Chironomus thummi. Kolesnikov NN, et al. **Chromosoma** 1981;83(5):661–77

Heat shock phenomena in Chironomus tentans I. In vivo effects of heat, overheat, and quenching on salivary chromosome puffing. Lezzi M, et al. **Chromosoma** 1981; 83(3):327–39

The double-stranded DNA replication intermediates formed in Chironomus polytene chromosomes consist of two populations. Lönn U. **Chromosoma** 1981;84(2):221–9

Temperature-induced Balbiani rings in Chironomus thummi. Morcillo G, et al. **Chromosoma** 1981;83(3):341–52

Modulation of 75S RNA synthesis in the Balbiani rings of Chironomus tentans with galactose treatment. Nelson LG, et al. **Chromosoma** 1981;83(5):645–59

Effects of DMSO on the structure and function of polytene chromosomes of Chironomus. Sass H. **Chromosoma** 1981; 83(5):619–43

Different repetition frequencies of a 120 base-pair DNA-element and its arrangement in Chironomus thummi thummi and Chironomus thummi piger. Schaefer J, et al. **Chromosoma** 1981;84(1):61–6

Visualization of active 75 S RNA genes in the Balbiani rings of Chironomus tentans. Daneholt B, et al. **Eur J Cell Biol** 1982 Feb;26(2):325–32

Inverse relationship between transcriptional activity and 5-methylcytosine content of DNA in polytene chromosomes of sciara coprophila. Wei LH, et al. **Exp Cell Res** 1981 Oct;135(2):411–5

Selection for insecticide resistance in the Australian sheep blowfly, Lucilia cuprina. McKenzie JA, et al. **Experientia** 1982 Jan 15;38(1):84–5

Genetic variation at the alcohol dehydrogenase locus in natural populations of the seaweed fly, Coelopa frigida. Butlin RK, et al. **Heredity (Edinburgh)** 1982 Feb;48(Pt 1):45–55

Associations of enzymic and chromosomal polymorphisms in the seaweed fly, Coelopa frigida. Day TH, et al. **Heredity (Edinburgh)** 1982 Feb;48(Pt 1):35–44

Sex-linked inversions in blackflies (Diptera:Simuliidae). Post RJ. **Heredity (Edinburgh)** 1982 Feb;48(Pt 1):85–93

DNA replications in Chironomus polytene chromosomes during treatment with ethanol. Lönn U. **J Cell Sci** 1981 Oct;51:273–7

Reciprocal translocations and partial correlation of chromosomes in the stable fly. Willis NL, et al. **J Hered** 1981 Mar–Apr;72(2):104–6

The ribosomal DNA of Calliphora erythrocephala. The cistron classes of total genomic DNA. Beckingham K. **J Mol Biol** 1981 Jun 25;149(2):141–69

Molecular evolution of Drosophila and higher Diptera. I. Micro-complement fixation studies of a larval hemolymph protein. Beverley SM, et al. **J Mol Evol** 1982;18(4):251–64

The basic repeat unit of a Chironomus Balbiani ring gene. Bäumlein H, et al. **Nucleic Acids Res** 1982 Jul 10; 10(13):3893–904

Sequence arrangement of the rRNA genes of the dipteran Sarcophaga bullata. French CK, et al. **Nucleic Acids Res** 1981 Jun 11;9(11):2563–76

Two distinct intervening sequences in different ribosomal DNA repeat units of Sciara coprophila. Renkawitz-Pohl R, et al. **Nucleic Acids Res** 1981 Aug 11;9(15):3747–64

Gene amplification in Rhynchosciara salivary gland chromosomes. Glover DM, et al. **Proc Natl Acad Sci USA** 1982 May;79(9):2947–51

Migration and the 'dilution' of resistance genes [letter] Reiter P. **Trans R Soc Trop Med Hyg** 1982;76(2):282–3

GROWTH & DEVELOPMENT

Mitochondrial distribution and ATP levels in Chironomus salivary gland cells as related to growth, metabolic activity, and atmospheric oxygen tension. Thyberg J, et al. **Dev Biol** 1982 Mar;90(1):31–42

The ontogeny of multiple hemoglobins in Chironomus thummi (Diptera): the effects of a compound with juvenile hormone activity. Vafopoulou-Mandalos X, et al. **Dev Biol** 1982 Jul;92(1):135–43

Mass rearing of face flies. Arends JJ, et al. **J Econ Entomol** 1981 Jun;74(3):355–8

Effect of larval and adult diet on the development of Parasarcophaga argyrostoma (Robineau-Desvoidy). Zohdy N, et al. **J Egypt Soc Parasitol** 1982 Jun;12(1):191–8

On the biology of the grey flesh fly, Parasarcophaga argyrostoma (Robineau-Desvoidy). Zohdy NZ, et al. **J Egypt Soc Parasitol** 1982 Jun;12(1):85–95

The reproductive life history and blood meal sources of Chrysops hirsuticallus (Diptera: Tabanidae). Lane RS, et al. **J Med Entomol** 1982 Mar 24;19(2):157–63

Laboratory colonization of the human onchocerciasis vector Simulium damnosum complex (Diptera: Simuliidae), using an enclosed, gravity-trough rearing system. Simmons KR, et al. **J Med Entomol** 1982 Mar 24;19(2):117–26

A new simple technique for rearing F1 progeny from females of the Simulium damnosum Theobald complex. Raybould JN, et al. **Tropenmed Parasitol** 1982 Jun;33(2):87–93

A new simple technique for rearing F1 progeny from females of the Simulium damnosum Theobald complex. II. A modified apparatus to protect against power failures. Raybould JN, et al. **Tropenmed Parasitol** 1982 Jun; 33(2):94–6

[Possibilities of synchronizing the growth of Chironomus thummi Kieff. larvae] Gunderina LI, et al. **Ontogenez** 1982 Mar–Apr;13(2):162–8 (Eng. Abstr.) **(Rus)**

IMMUNOLOGY

Immunization of sheep with larval antigens of Lucilia cuprina. O'Donnell IJ, et al. **Aust J Biol Sci** 1981; 34(4):411–7

Asthma associated with a circulating IgG antibody to Calliphora maggots. Stockley RA, et al. **Clin Allergy** 1982 Mar;12(2):151–5

[Immunochemical study of water-soluble salivary gland proteins of Chironomus thummi Kieff. larvae] Kopantsev EP, et al. **Ontogenez** 1982 Mar–Apr;13(2):137–42 (Eng. Abstr.) **(Rus)**

ISOLATION & PURIFICATION

[The importance of the Musca domestica antagonist Ophyra aenescens (Diptera: Muscidae). I. The appearance of Ophyra aenescens in animal production facilities] Müller P, et al. **Angew Parasitol** 1981 Nov;22(4):212–6 (Eng. Abstr.) **(Ger)**

METABOLISM

Cell-free synthesis of Chironomus thummi (Diptera) globins. Baldwin AS, et al. **Arch Biochem Biophys** 1981 Oct 1; 211(1):390–5

Kinetics and biotransformation of benzo(a)pyrene in Chironomus riparius. Leversee GJ, et al. **Arch Environ Contam Toxicol** 1982;11(1):25–31

Changes in cyclic AMP and cyclic GMP concentrations during the action of 5-hydroxytryptamine on an insect salivary gland. Heslop JP, et al. **Biochem J** 1980 Oct 15; 192(1):247–55

Forskolin as an activator of cyclic AMP accumulation and secretion in blowfly salivary glands. Litosch I, et al. **Biochem J** 1982 Apr 15;204(1):147–51

The feulgen-deoxyribonucleic acid absorption spectra in salivary glands of the dipteran, Bradysia spatitergum. Mello ML, et al. **Cell Mol Biol** 1981;27(4):353–8

Moulting hormone, juvenile hormone and the ultrastructure of the fat body of adult Sarcophaga bullata (Diptera). Stoppie P, et al. **Cell Tissue Res** 1981;221(2):233–44

Gluconeogenesis in the dipteran fleshfly, Sarcophaga ruficornis. Pant R, et al. **Indian J Biochem Biophys** 1981 Feb;18(1):40–6

Differentiation between mitochondrial and cytoplasmic protein subunits of blowfly flight muscle mitochondria synthesized in vivo. Ashour MB, et al. **J Cell Sci** 1981 Aug;50:377–90

Tissue-specific and gene-specific sites of hemoglobin synthesis in Chironomus. Laufer H, et al. **Prog Clin Biol Res** 1982;85 Pt A:327–35

[Site-specific scission of DNA of polytene chromosomes of Chironomus thummi in situ by the oligoadenylate alkylating derivatives] Dymshits GM, et al. **Mol Biol (Mosk)** 1981 Jan–Feb;15(1):86–95 (Eng. Abstr.) **(Rus)**

MICROBIOLOGY

The role of Hydrotaea armipes Fall. (Diptera, Muscidae) in the transmission of infectious bovine keratoconjunctivitis. Dusbábek F, et al. **Folia Parasitol (Praha)** 1982;29(1):79–83

Field association of female face flies with Moraxella bovis, an etiological agent of bovine pinkeye. Berkebile DR, et al. **J Econ Entomol** 1981 Aug;74(4):475–7

The role of stable flies and mosquitoes in the transmission of equine infectious anemia virus. Cupp EW, et al. **Proc Annu Meet US Anim Health Assoc** 1980;84:362–7

PARASITOLOGY

Seasonal occurrence of Simulium ochraceum, the principal vector of Onchocerca volvulus in the southeastern endemic area of Guatemala. Takaoka H. **Am J Trop Med Hyg** 1981 Sep;30(5):1121–32

Parafilaria bovicola (Tubangui 1934) in cattle: epizootiology-Vector studies and experimental transmission of Parafilaria bovicola to cattle. Bech-Nielsen S, et al. **Am J Vet Res** 1982 Jun;43(6):948–54

The reinvasion of the onchocerciasis control programme area in the Volta River Basin by Simulium damnosum S.L., the involvement of the different cytospecies and epidemiological implications. Garms R. **Ann Soc Belg Med Trop** 1981 Jun;61(2):193–8

Which cytospecies of the Simulium damnosum complex did Blacklock incriminate in the transmission of Onchocerca volvulus? Crosskey RW, et al. **Ann Trop Med Parasitol** 1981 Oct;75(5):569–71

Biosteres longicaudatus: developmental dependence on host (Anastrepha suspensa) physiology. Lawrence PO. **Exp Parasitol** 1982 Jun;53(3):396–405

The role of face flies in an episode of infectious bovine keratoconjunctivitis. Gerhardt RR, et al. **J Am Vet Med Assoc** 1982 Jan 15;180(2):156–9

Limited fly load and development of Onchocerca volvulus microfilariae in Guatemalan Simulium ochraceum. Hashiguchi Y, et al. **J Helminthol** 1981 Sep;55(3):189–96

The transmission of Onchocerca tarsicola (Filarioidea: Onchocercidae) by Odagmia ornata and Prosimulium nigripes (Diptera: Simuliidae). Schulz-Key H, et al. **J Helminthol** 1981 Sep;55(3):161–6

Development of the bovine eyeworm, Thelazia gulosa (Railliet and Henry), in experimentally infected, female Musca autumnalis de Geer. Geden CJ, et al. **J Parasitol** 1982 Apr;68(2):287–92

Effects of temperature on development of Onchocerca volvulus in Simulium ochraceum, and longevity of the simuliid vector. Takaoka H, et al. **J Parasitol** 1982 Jun; 68(3):478–83

The development of Parafilaria bovicola in Musca xanthomelas and Musca lusoria. Nevill EM. **Onderstepoort J Vet Res** 1981 Dec;48(4):207–13

Observations on the dipteran fauna in a focus of dermal leishmaniasis in the State of Minas Gerais. I: The families collected and an evaluation of trapping methods. Williams P, et al. **Rev Bras Biol** 1981 Nov;41(4):781–8

Exoristobia philippinensis, a common parasitoid of synantrophic flies (Hymenoptera, encyrtidae). Kadarsan S, et al. **Southeast Asian J Trop Med Public Health** 1981 Dec; 12(4):615–6

The development of Onchocerca gutturosa Neuman to infective stage in Simulium vorax Pomeroy. Mwaiko GL. **Tropenmed Parasitol** 1981 Dec;32(4):276–7

[A case of external ophthalmomyiasis by Oestrus ovis, Linné, 1758 caught on the Nice beach (author's transl)] Le Fichoux Y, et al. **Acta Trop (Basel)** 1981 Dec;38(4):461–8 (Fre) (Eng. Abstr.)

[Larval development of Paricterotaenia porosa (Cestoda: Cyclophyllidea, Dilepididae) in dipterans of the genus Chironomus, experimental hosts. On comparative larval forms of dilepidid flatworms (author's transl)] Gabrion C, et al. **Ann Parasitol Hum Comp** 1982;57(1):33–52 (Fre) (Eng. Abstr.)

[Note on onchocerciasis in the vicinity of Kasongo (Zaire) and description of the larvae of its vector (author's transl)] Elsen P, et al. **Ann Soc Belg Med Trop** 1981 Sep;61(3):393–7 (Fre) (Eng. Abstr.)

[Transmission of Onchocerca volvulus by Simulium albivirgulatum in the endemic area for onchocercosis of the Central Basin, Zaire] Fain A, et al. **Ann Soc Belg Med Trop** 1981 Jun;61(2):307–9 (Fre)

[Transmission of Giardia cysts. I. Role of flies and cockroaches] Kasprzak W, et al. **Wiad Parazytol** 1981; 27(4–5):555–63 (Eng. Abstr.) (Pol)

[Onchocerciasis in Ecuador. First endemic focus discovered in the country, clinical, parasitological, and entomological findings (author's transl)] Arzube ME. **Tropenmed Parasitol** 1982 Mar;33(1):45–50 (Eng. Abstr.) (Spa)

PATHOGENICITY

Invasion of black-tailed deer by nose bot fly larvae (Diptera: Oestridae: Oestrinae). Cogle·· TP, et al. **Int J Parasitol** 1981 Aug;11(4):281–6

[Artificial infestation of horses with the eggs of the stomach botfly (Gastrophilidae)] Rastegaev IuM. **Parazitologiia** 1982 May–Jun;16(3):230–4 (Eng. Abstr.) (Rus)

PHYSIOLOGY

Insecticide particle size in Simulium control. Reiter P. **Ann Trop Med Parasitol** 1982 Apr;76(2):235–7

The ovipositional response of the Australian sheep blowfly, Lucilia cuprina, to fleece-rot odours. Watts JE, et al. **Aust Vet J** 1981 Oct;57(10):450–4

Fluorescence studies on the lipoprotein complex of the fatty acid synthetase from the insect Ceratitis capitata. Gavilanes JG, et al. **Biochemistry** 1981 Sep 29;20(20):5689–94

Acute and chronic effects of alum to midge larva (Diptera: chironomidae). Lamb DS, et al. **Bull Fviron Contam Toxicol** 1981 Jul;27(1):59–67

Dependence of Balbiani ring induction in Chironomus salivary glands on inorganic phosphate. Edström JE, et al. **Dev Biol** 1982 May;91(1):131–7

Pulsation of nuclei in insect oocytes is reversibly inhibited by cytochalasin B. Kaiser J, et al. **Exp Cell Res** 1982 Jun; 139(2):460–3

Diurnal flying activity and nutrition ecology of hydrotaea armipes fall. (Diptera, Muscidae). Gregor F, et al. **Folia Parasitol (Praha)** 1982;29(1):69–78

Control of the stable fly, Stomoxys calcitrans (Diptera: Muscidae), on St. Croix, U.S. Virgin Islands, using integrated pest management measures. I. Feasibility of sterile male releases. LaBrecque GC, et al. **J Med Entomol** 1981 Jun;18(3):194–6

Control of the stable fly, Stomoxys calcitrans (Diptera: Muscidae), on St. Croix, U.S. Virgin Islands, using integrated pest management measures. III. Field techniques and population control. Patterson RS, et al. **J Med Entomol** 1981 Jun;18(3):203–10

Investigations on black fly vectors (Diptera: Simuliidae) of Leucocytozoon smithi (Sporozoa: Leucocytozoidae) in Florida. Pinkovsky DD, et al. **J Med Entomol** 1981 Apr; 18(2):153–7

Seasonal occurrence of the primary and secondary screwworm (Diptera: Calliphoridae) in the Pacific coastal area of Chiapas, Mexico during 1978–1979. Spencer JP, et al. **J Med Entomol** 1981 Jun;18(3):240–3

Control of the stable fly, Stomoxys calcitrans (Diptera: Muscidae), on St. Croix, U.S. Virgin Islands, using integrated pest management measures. II. Mass rearing and sterilization. Williams DF, et al. **J Med Entomol** 1981 Jun; 18(3):197–202

Refractive index of the fly rhabdomere. Beersma DG, et al. **J Opt Soc Am** 1982 May;72(5):583–8

Crane fly spermatocytes and spermatids: a system for studying cytoskeletal components. Forer A. **Methods Cell Biol** 1982;25 Pt B:227–52

Visual orientation behaviour of flies after selective laser beam ablation of interneurones. Geiger G, et al. **Nature** 1981 Oct 1;293(5831):398–9

Glutamate regulates adenylate cyclase and guanylate cyclase activities in an isolated membrane preparation from insect muscle. Robinson NL, et al. **Nature** 1982 Mar 25; 296(5855):354–6

Autocidal control of screwworms in North America. Richardson RH, et al. **Science** 1982 Jan 22;215(4531):361–70

Entomological studies of on-site sanitation systems in Botswana and Tanzania. Curtis CF, et al. **Trans R Soc Trop Med Hyg** 1982;76(1):99–108

Seasonal variation in the microfilarial skin density of Onchocerca volvulus and in the biting activity of Simulium spp. in Guatemala. Hashiguchi Y, et al. **Trans R Soc Trop Med Hyg** 1981;75(6):839–45

The long-term absence of onchocerciasis in an area where the vectors, Simulium spp., are found [letter] Hashiguchi Y, et al. **Trans R Soc Trop Med Hyg** 1981;75(6):901

[Importance of the study of digestive passage in larvae of Simulium damnosum S.L. in the fight against this onchocercosis vector] Elsen P. **Ann Soc Belg Med Trop** 1981 Jun;61(2):301–6 (Fre)

[Pamphlets on applied parasitology and pest control. Memorandum 26. Midges (Simuliidae)] Gräfner G. **Angew Parasitol** 1981 Nov;22(4):suppl 1–16 (Ger)

[Physiological age of different species of horseflies (Diptera, Tabaniae) in the southern taiga subzone of Tomsk Province] Fominykh VG. **Med Parazitol (Mosk)** 1982 Jan–Feb;51(1):21–5 (Eng. Abstr.) (Rus)

[Horn fly (Muscidae) fauna and ecology in the area of the Baikal–Amur mainline] Vesëlkin GA. **Parazitologiia** 1981 Jul–Aug;15(4):371–4 (Eng. Abstr.) (Rus)

ULTRASTRUCTURE

The three-dimensional structure of the Z disc in insect supercontracting muscles. Hardie J, et al. **Tissue Cell** 1982; 14(2):309–17

Morphological differentiation of the central visual cells R7/8 in various regions of the blowfly eye. Wunderer H, et al. **Tissue Cell** 1982;14(2):341–58

DIPYLIDIASIS

DRUG THERAPY

Studies on chemotherapy of parasitic helminths (VI) effects of various neuropharmacological agents on the motility of Dipylidium caninum. Terada M, et al. **Jpn J Pharmacol** 1982 Jun;32(3):479–88

DIPYLIDIUM see under **CESTODA**

DIPYRIDAMOLE

ADMINISTRATION & DOSAGE

Intravenous dipyridamole combined with isometric handgrip for near maximal acute increase in coronary flow in patients with coronary artery disease. Brown BG, et al. **Am J Cardiol** 1981 Dec;48(6):1077–85

Bioequivalence of two dipyridamole preparations and inhibitory effect on the platelet adenosine uptake in man. Chevolet C, et al. **Arch Int Pharmacodyn Ther** 1981 Oct; 253(2):321–2

Serial thallium-201 myocardial imaging after dipyridamole infusion: diagnostic utility in detecting coronary stenoses and relationship to regional wall motion. Leppo J, et al. **Circulation** 1982 Sep;66(3):649–57

Bioavailability of acetylsalicylic acid and salicylic acid from rapid-and slow-release formulations, and in combination with dipyridamol. Brantmark B, et al. **Eur J Clin Pharmacol** 1982;22(4):309–14

A new therapeutic approach of nephrotic syndrome associated with focal segmental glomerulosclerosis. Futrakul P. **Int J Pediatr Nephrol** 1980 Mar;1(1):18–21

[Controlled clinical trial of the effect of aspirin and aspirin + dipyridamole on the development of diabetic retinopathy. I. General protocol. From the DAMAD Study Group (author's transl)] **Diabete Metab** 1982 Jun;8(2):91–6 (Fre) (Eng. Abstr.)

[New mode of administration for an anti-coagulant] Decourt S, et al. **Sem Hop Paris** 1981 Oct 18–25;57(39–40):1605–7 (Fre)

[The dipyridamol test and coronary heart disease] Grosse-Heitmeyer W, et al. **Med Welt** 1982 Jul 2; 33(26):960–1 (Ger)

[Studies on antinephritic action of dipyridamole (1). The effect of dipyridamole on anti-GBM induced nephritis in rats (author's transl)] Suzuki Y, et al. **Nippon Jinzo Gakkai Shi** 1981 Mar;23(3):323–32 (Eng. Abstr.) (Jpn)

[Thrombotic thrombocytopenic purpura--successful treatment by warfarin and antiplatelet drugs (author's transl)] Nagata S, et al. **Rinsho Ketsueki** 1981 May; 22(5):678–84 (Eng. Abstr.) (Jpn)

[Platelet aggregation in coronary disease after intravenous injection of dipyridamole] Olszańska-Skorek T, et al. **Pol Arch Med Wewn** 1981 Oct;66(4):277–80 (Eng. Abstr.) (Pol)

[Correction of lipid metabolism disorders in glomerulonephritis] Pyrig LA, et al. **Klin Med (Mosk)** 1981 Nov;59(11):49–53 (Eng. Abstr.) (Rus)

ADVERSE EFFECTS

Extensive pharyngeal hemorrhage induced by dipyridamole. Cohen AM, et al. **Acta Haematol (Basel)** 1981;66(1):53–5

Conditions for 'coronary steal' caused by coronary vasodilator in man. Ando J, et al. **Jpn Heart J** 1982 Jan; 23(1):79–95

BLOOD

Dipyridamol kinetics. Mahony C, et al. **Clin Pharmacol Ther** 1982 Mar;31(3):330–8

High-performance liquid chromatographic assay for plasma dipyridamole monitoring. Williams C 2d, et al. **J Chromatogr** 1981 Sep 11;225(1):225–30

Optical studies on the specific interaction of dipyridamole with alpha 1-acid glycoprotein (orosomucoid). El-Gamel S, et al. **J Pharm Pharmacol** 1982 Mar;34(3):152–7

Interference in fluorescence/nephelometry assays by dipyridamole [letter] Wiener K. **Lancet** 1981 Sep 19; 2(8247):634

DIAGNOSTIC USE

The dipyridamole-PCG-test, a pattern for noninvasive assessment of left ventricular function in coronary heart disease. Huml D, et al. **Acta Med Iugosl** 1982;36(2):77–99

Initial and delayed right ventricular thallium-201 rest-imaging following dipyridamole-induced coronary vasodilation: relationship to right coronary artery pathoanatomy. Brown KA, et al. **Am Heart J** 1982 Jun; 103(6):1019–24

Noninvasive detection and localization of coronary stenoses in patients: comparison of resting dipyridamole and exercise thallium-201 myocardial perfusion imaging. Josephson MA, et al. **Am Heart J** 1982 Jun;103(6):1008–18

Noninvasive assessment of coronary stenoses by myocardial imaging during pharmacologic coronary vasodilation. VI. Detection of coronary artery disease in human beings with intravenous N-13 ammonia and position computed tomography. Schelbert HR, et al. **Am J Cardiol** 1982 Apr 1;49(5):1197–207

Dipyridamole test in angina pectoris: diagnostic value and pathophysiological implications. Tavazzi L, et al. **Cardiology** 1982;69(1):34–41

Assessment of diagnostic value of dipyridamole testing in angina pectoris. DeAmbroggi L, et al. **Clin Cardiol** 1982 Apr;5(4):269–74

Thallium myocardial imaging: recent experience using a coronary vasodilator. Wilde P, et al. **Clin Radiol** 1982 Jan; 33(1):43–50

Comparison of dipyridamole and treadmill exercise for enhancing thallium-201 perfusion defects in patients with coronary artery disease. Timmis AD, et al. **Eur Heart J** 1980 Aug;1(4):275–80

Evaluation of myocardial perfusion and left ventricular function by 201T1 scintigraphy after dipyridamole. Demangeat JL, et al. **Eur J Nucl Med** 1981;6(11):491–503

Myocardial imaging with dipyridamole: comparison of the sensitivity and specificity of 201Tl versus MUGA. Harris D, et al. **Eur J Nucl Med** 1982;7(1):1–5

Lack of effect of ischemia and dipyridamole on prostacyclin production in arteriosclerosis obliterans. Viinikka L, et al. **Prostaglandins** 1981 May;21(5):821–6

[Dipyridamole test in the evaluation of coronary circulation and cardiac function using 201Tl myocardial scintigraphy] Mossard JM, et al. **Cardiology** 1981;68 Suppl 1:55–61 (Fre)

[Two cases with the heart murmur originated from aortocoronary bypass: the diagnostic use of dipyridamole (author's transl)] Nozawa T, et al. **J Cardiogr** 1981 Sep; 11(3):825–36 (Eng. Abstr.) (Jpn)

[Thallium-201 myocardial scintigraphy on coronary vasodilator, dipyridamole: assessment of regional coronary perfusion reserve (author's transl)] Futatsuya R, et al. **Kaku Igaku** 1981 Nov;18(9):1287–94 (Eng. Abstr.) (Jpn)

[Value of dipyridamole test in the diagnosis of ischemic heart disease] Sidorenko BA, et al. **Kardiologiia** 1981 Oct; 21(10):89–93 (Eng. Abstr.) (Rus)

IMMUNOLOGY

Thrombotic thrombocytopenic purpura: onset during dipyridamole therapy [letter] Lindquist JR, et al. **JAMA** 1981 Dec 4;246(22):2577

METABOLISM

Peripheral benzodiazepine binding sites in heart and their interaction with dipyridamole. Davies LP, et al. **Eur J Pharmacol** 1981 Jul 17;73(2–3):209–11

Does a rhythmicity of serum concentrations and urinary excretion of dipyridamole exist during long-term treatment? Markiewicz A, et al. **Pol J Pharmacol Pharm** 1980 May–Jun;32(3):289–95

PHARMACODYNAMICS

Arachidonate metabolism is changed by dipyridamole in

guinea pig isolated lungs. Uotila P.
Acta Pharmacol Toxicol (Copenh) 1982 May;50(5):374–8
The effect of dipyridamole on the multiplication of vaccinia virus in RK13 cells. Bańkowski A, et al.
Acta Virol (Praha) 1981 Jul;25(4):256
Cardiac uptake and secretion of catecholamines during adrenergic stimulation in vivo. Halter JB, et al.
Am J Physiol 1982 Jul;243(1):E52–8
Dipyridamole stimulates prostacyclin production in isolated rat aortic tissue. Van de Velde VJ, et al.
Arch Int Pharmacodyn Ther 1982 Apr;256(2):327–8
The effect of low-dose aspirin and dipyridamole upon atherosclerosis in the rabbit. Koster JK Jr, et al. **Artery** 1981;9(6):405–13
A comparative study on the effect of dilazep and dipyridamole on some platelet functions. Valori VM, et al. **Arzneimittelforsch** 1982;32(4):403–5
Inhibition of lymphoproliferation by dipyridamole. Farmer JL, et al. **Biochem Pharmacol** 1982 Apr 1;31(7):1381–6
Modulation of the inhibitory action of prostaglandin E1 on platelet aggregation in rats: a study with ticlopidine, aspirin, dipyridamole and sulfinpyrazone. Tuong CC, et al.
Biochem Pharmacol 1982 Mar 15;31(6):1147–50
Effect of dipyridamole on the formation of 6-oxo-prostaglandin F1 alpha by the rat isolated aorta and ram seminal vesicle microsomes. Bult H, et al.
Br J Pharmacol 1982 Jul;76(3):453–8
Effect of platelet suppressant treatment with dipyridamole and aspirin on exercise performance and platelet survival time in coronary disease. Steele P, et al. **Chest** 1981 Nov; 80(5):557–61
Tomographic thallium-201 myocardial perfusion scintigrams after maximal coronary artery vasodilation with intravenous dipyridamole. Comparison of qualitative and quantitative approaches. Francisco DA, et al.
Circulation 1982 Aug;66(2):370–9
Enhanced prostacyclin production by dipyridamole in man. Neri Serneri GG, et al. **Eur J Clin Pharmacol** 1981; 21(1):9–15
Decrease of carbon tetrachloride liver toxicity in rats given dipyridamole. Kast A, et al. **Exp Pathol** 1982;21(2):123–33
Species differences in renal vascular effects of dipyridamole and in the potentiation of adenosine action by dipyridamole. Sakai K, et al. **J Cardiovasc Pharmacol** 1981 May–Jun; 3(3):420–30
Myocardial kinetics of thallium-201 after dipyridamole infusion in normal canine myocardium and in myocardium distal to a stenosis. Okada RD, et al. **J Clin Invest** 1982 Jan;69(1):199–209
Effect of dipyridamole and prostacyclin on rabbit platelet adherence in vitro and in vivo. Groves HM, et al.
J Lab Clin Med 1982 Apr;99(4):548–58
Difference in site and time course of coronary dilating effects of trapidil, nitroglycerin and dipyridamole in anesthetized dogs. Noguchi K, et al. **J Pharmacol Exp Ther** 1981 Dec; 219(3):809–14
The effect of ATP-MgCl2 and dipyridamole pretreatment in renal preservation. Garvin PJ, et al. **J Surg Res** 1982 Jan;32(1):70–4
Pulmonary uptake of PGE2 is inhibited by dipyridamole in rat isolated lungs. Heikelä A, et al. **Prostaglandins** 1982 Feb;23(2):147–56
The metabolism of arachidonic acid is changed by dipyridamole in isolated hamster lungs. Uotila P, et al.
Prostaglandins Med 1981 Jul;7(1):19–28
[Stimulation of prostacyclin biosynthesis as a possible mechanism of action of dipyridamole (author's transl)] Mentz P, et al. **Arzneimittelforsch** 1981;31(12):2075–82 (Eng. Abstr.) **(Ger)**

THERAPEUTIC USE

Platelet aggregation in focal cerebral ischemia –a clinical study. Hansen PE, et al. **Acta Neurol Scand** 1982 Mar; 65(3):212–8
The use of platelet inhibitors in migraine. Ryan RE Sr, et al. **Adv Neurol** 1982;33:247–52
Antiplatelet therapy and cerebrovascular diseases. Meloche JP. **Adv Otorhinolaryngol** 1982;28:100–3
Antiplatelet therapy. Sloan RW. **Am Fam Physician** 1981 Oct; 24(4):129–34
Aspirin dipyridamole, and thrombotic thrombocytopenic purpura [letter] **Ann Intern Med** 1982 May;96(5):679–81
Ineffectiveness of aspirin and dipyridamole in the treatment of thrombotic thrombocytopenic purpura. Rosove MH, et al. **Ann Intern Med** 1982 Jan;96(1):27–33
Antiplatelet therapy reduces aortic intimal hyperplasia distal to small diameter vascular prostheses (PTFE) in nonhuman primates. Hagen PO, et al. **Ann Surg** 1982 Mar; 195(3):328–39
Effects of dipyridamole on proteinuria in chronic glomerulonephritis and the nephrotic syndrome. Ishikawa H, et al. **Arzneimittelforsch** 1982;32(3):301–9
Piafibride: clinical trial of a new platelet antiaggregating agent. Olivella J, et al. **Arzneimittelforsch** 1981; 31(10a):1856–8
Anti platelet agents for strokes and myocardial infarction: a critical appraisal of recent clinical trials. Castaldi PA. **Aust NZ J Med** 1981 Dec;11(6):673–7
Salvage of ischemic myocardium by dipyridamole in the conscious dog. Blumenthal DS, et al. **Circulation** 1981 Nov; 64(5):915–23
Antiplatelet therapy. Turpie AG. **Clin Haematol** 1981 Jun; 10(2):497–520 (143 ref.)
Central hemodynamic effects of dipyridamole in severe heart failure: comparison with hydralazine. Packer M, et al.
Clin Pharmacol Ther 1982 Jul;32(1):54–61
Aspirin, dipyridamole and platelet survival in patients with diabetes mellitus. Tindall H, et al. **Clin Sci** 1982 Aug; 63(2):205–9
Platelets and coronary heart disease: therapy update. Mehta JL. **Geriatrics** 1982 May;37(5):129–34, 139
Circulating platelet aggregates: a chronic platelet activation in patients with transient ischaemic attacks. De Marinis M, et al. **Ital J Neurol Sci** 1980 Jun;1(3):163–9
Atrophie blanche. Report of two patients treated with aspirin and dipyridamole. Kern AB. **J Am Acad Dermatol** 1982 Jun;6(6):1048–53
Drug trials in prevention of occlusion of aorta—coronary artery vein grafts. Chesebro JH, et al.
J Thorac Cardiovasc Surg 1982 Jan;83(1):90–3
A platelet-inhibitor-drug trial in coronary-artery bypass operations: benefit of perioperative dipyridamole and aspirin therapy on early postoperative vein-graft patency. Chesebro JH, et al. **N Engl J Med** 1982 Jul 8;307(2):73–8
Dipyridamole in coronary heart disease. Savola J.
Practitioner 1982 Apr;226(1360):779–80
Antithrombotic effects of drugs which suppress platelet function: their potential in prevention growth of tumour cells. Turpie AG. **Prog Clin Biol Res** 1982;89:31–62 (133 ref.)
Complete remission of thrombotic thrombocytopenic purpura following the use of plasma exchange and dipyridamole. A case report. Lewis MI, et al.
S Afr Med J 1982 Jul 31;62(6):177–8
Treatment program and comparison between anticoagulants and platelet aggregation inhibitors after transient ischemic attack. Burén A, et al. **Stroke** 1981 Sep–Oct;12(5):578–80
The effect of combined aspirin and dipyridamole therapy on thrombus formation in an arterial thrombogenic lesion in the dog. Deen HG Jr, et al. **Stroke** 1982 Mar–Apr; 13(2):179–84
Studies on platelet aggregation and antiplatelet therapy in blackfoot disease. Chen WY, et al.
Taiwan I Hsueh Hui Tsa Chih 1981 Sep;80(9):873–83
Platelet aggregation and dipyridamole therapy in nephrotics. Chen WY, et al. **Taiwan I Hsueh Hui Tsa Chih** 1982 Jan; 81(1):31–42
Assessment of the interaction of warfarin with aspirin and dipyridamole. Donaldson DR, et al. **Thromb Haemost** 1982 Feb 26;47(1):77
Prevention of platelet aggregation in patients with prostatic cancer during estrogen therapy. Koiso K, et al.
Urology 1982 Jun;19(6):579–83
[Effects of intracoronary injections of sodium tanshinone II-A sulfonate and dipyridamole on myocardial infarct size in acute ischemic dogs (author's transl)] Hu GJ, et al.
Chung Kuo Yao Li Hsueh Pao 1981 Mar;2(1):34–5 (Eng. Abstr.) **(Chi)**
[Various observations on the results of the 'Aspirin myocardial infarction study' and the 'Persantine-aspirin reinfarction study' in the United States] Lubsen J.
Ned Tijdschr Geneeskd 1981 Oct 3;125(40):1606–9 **(Dut)**
[Prevention of arterial embolisms by the combination of dipyridamole and antivitamins K in patients with artificial valves. Apropos of a series of 314 operated valves] Cribier A, et al. **Arch Mal Coeur** 1982 Jan;75(1):89–98 (Eng. Abstr.) **(Fre)**
[Prevention of systemic thromboembolic accidents in patients with artificial valve prostheses. Prospective study of an antivitamins K-dipyridamole combination] Starkman C, et al. **Arch Mal Coeur** 1982 Jan;75(1):85–8 (Eng. Abstr.) **(Fre)**
[Platelet antiaggregants and arteriopathies] Cristol R.
J Mal Vasc 1981;6(3):237–41 (36 ref.) **(Fre)**
[Prevention of cardiovascular diseases by inhibitors of platelet aggregation (author's transl)] Boeynaems JM.
Rev Med Brux 1982 Jun;3(6):415–24 **(Fre)**
['A.I.C.L.A.' controlled trial of aspirin and dipyridamole in the secondary prevention of athero-thrombotic cerebral ischemia. Part I: Protocol (author's transl)] Bousser MG, et al. **Rev Neurol (Paris)** 1981;137(5):333–41 **(Fre)**
[Controlled cooperative trial. Secondary prevention of atherosclerosis-related cerebral ischemic accidents by aspirin dipyridamole. 2: Description of subjects at the beginning of the trial] Bousser MG, et al.
Rev Neurol (Paris) 1982;138(1):1–15 (Eng. Abstr.) **(Fre)**
[Inhibition of platelet function in pediatric medicine (author's transl)] Schmidt B. **Klin Padiatr** 1982 Mar;194(2):91–3 (Eng. Abstr.) **(Ger)**
[The antithrombotic effect of dipyridamole and acetylsalicylic acid. A prospective clinical examination] Harjola PT, et al. **Med Welt** 1981 Jul 31;32(30–31):1178 **(Ger)**
[Thrombosis prevention with thrombocyte aggregation inhibitors in the venous system] Schöndorf TH.
Med Welt 1982 Jun 11;33(23):851–4 **(Ger)**
[Effect of dipyridamole in the prevention of aortic arteriosclerosis caused by hypercholesterolic diet in rabbits] Compostella L, et al. **Minerva Cardioangiol** 1982 Jan–Feb; 30(1–2):47–52 (Eng. Abstr.) **(Ita)**
[Platelet anti-aggregating therapy with dipyridamole in the prevention of early post-infarct angina] Pavia M, et al.
Minerva Cardioangiol 1981 Dec;29(12):729–33 (Eng. Abstr.) **(Ita)**
[Thrombocytosis. Considerations on a case with intestinal thrombosis diagnosed at the age of 4 months and treated with platelet anti-aggregants] Cottafava F, et al.
Minerva Pediatr 1981 Dec;33(24):1199–202 **(Ita)**
[Effect of curantyl on hemostasis and rheological properties of the blood in chronic ischemic heart disease] Turebaev MN. **Sov Med** 1981;(11):94–6 **(Rus)**

2,2'-DIPYRIDYL see under **PYRIDINES**

DIPYRINE see **AMINOPYRINE**

DIPYRONE see under **AMINOPYRINE**

DIQUAT see under **PYRIDINIUM COMPOUNDS**

DIRECT LYTIC FACTORS see under **COBRA VENOMS**

DIRECT SERVICE COSTS see under **COSTS AND COST ANALYSIS**

DIRECTORIES

Roster of members of the Convention of American Instructors of the Deaf 1981. **Am Ann Deaf** 1981 Aug; 126(5):540–55
Roster of educators of the deaf 1982. **Am Ann Deaf** 1982 Apr;127(2):249–77
Supportive and rehabilitation programs and services.
Am Ann Deaf 1982 Apr;127(2):193–245
Schools and classes for the deaf in the United States.
Am Ann Deaf 1982 Apr;127(2):107–92
Research programs and services. **Am Ann Deaf** 1982 Apr; 127(2):279–94
Adult cardiovascular training programs in the United States. This listing is provided as a service to physicians by the American College of Cardiology. **Am J Cardiol** 1982 Feb 1;49(2):485–93
Update and correction on drug-information center directory [letter] Rosenberg JM. **Am J Hosp Pharm** 1982 Jul; 39(7):1157
Directory of pharmacist-operated drug information centers in the United States. Rosenberg JM, et al.
Am J Hosp Pharm 1982 Jan;39(1):94–8
Certification by the American Board of Obstetrics and Gynecology, Inc.—November, 1981.
Am J Obstet Gynecol 1982 Apr 1;142(7):935–49
List of current members of the American Association of Physical Anthropologists. **Am J Phys Anthropol** 1981 Dec; 56(4):537–51
Charter members of the American Association of Physical Anthropologists. Spencer F, et al.
Am J Phys Anthropol 1981 Dec;56(4):531–5
Training programs in respiratory disease and training programs in pediatric respiratory disease. 1982 editions.
Am Rev Respir Dis 1982 Aug;126(2):375–405
American Association of Anatomists. List of members 1981.
Anat Rec 1981 Oct;201(2):379–450
The New York Academy of Dentistry. Fellowship list, 1980—81. **Ann Dent** 1981 Winter;40(2):42–50
Aerospace Medical Association. Directory of members.
Aviat Space Environ Med 1981 Dec;52(12):750–812
Directory of officers. Canadian Dental Association.
Can Dent Assoc J 1982 Jan;48(1):32–7
Directory: The Shock Society. **Circ Shock** 1982;9(2):212–40
Directory: Genetics Society of America. **Genetics** 1982 Jan; 100(1 Pt 2 Suppl):S96–138
Directory of on-going research in cancer epidemiology. 1981. **IARC Sci Publ** 1981;(38):1–696
Summary results from the Facilities Master List surveys conducted by the Patterns of Care Study. Kramer S, et al. **Int J Radiat Oncol Biol Phys** 1982 May;8(5):883–8
Arkansas Medical Society membership roster. December 1, 1981. **J Arkansas Med Soc** 1981 Dec;78(7):299–322
The International Cardiovascular Society. List of members. **J Cardiovasc Surg (Torino)** 1981 Jul–Aug;22(4):366–412
The American Dairy Science Association: the third twenty-five years, 1957—1981. Trout GM. **J Dairy Sci** 1981 Jun;64(6):876–99
Resources on computer applications in health care. Zimmerman J. **J Med Syst** 1982 Apr;6(2):196–213
1982 Directory of consultants to nursing administration.
J Nurs Adm 1982 Jul–Aug;12(7–8):47–73
American Society of Parasitologists. Membership list as of 1 June 1982. **J Parasitol** 1982 Jun;68(3 Suppl):1–29
Residencies and fellowships in pediatric subspecialties and general academic pediatric training. **J Pediatr** 1982 Sep; 101(3):34A–74A
The American Association of Thoracic Surgery 1982—1983. **J Thorac Cardiovasc Surg** 1982 Sep;84(3):459–76
JAMA reference directories. **JAMA** 1982 Jan 15;247(3):293–5
JAMA reference directories. **JAMA** 1982 Jan 22–29; 247(4):437–8, 445, 449 passim
JAMA reference directories. **JAMA** 1982 Apr 16; 247(15):2085–6
JAMA reference directories. **JAMA** 1982 Apr 23; 247(16):2242–6
JAMA reference directories. **JAMA** 1982 Jul 16; 248(3):299–300, 305
JAMA reference directories. **JAMA** 1982 Jul 23; 248(4):417–21
Here are leaders of Michigan's count medical societies.

Mich Med 1982 May;81(24):267–9
Nursing fellowship opportunities for advanced studies. Detherage KS, et al. **Nurs Outlook** 1982 Feb;30(2):115–21
The Latin American Society for Pediatric Research. Membership List. 1981–1982. **Pediatr Res** 1982 Apr;16(4 Pt 2):412A–413A
The Society for Pediatric Research. Membership List. 1981–1982. **Pediatr Res** 1982 Apr;16(4 Pt 2):392A–407A
The American Pediatric Society. Membership List. 1981–1982. **Pediatr Res** 1982 Apr;16(4 Pt 2):381A–391A
The European Society for Pediatric Research. Membership List. 1981–1982. **Pediatr Res** 1982 Apr;16(4 Pt 2):408A–411A
Society for Experimental Biology & Medicine. **Proc Soc Exp Biol Med** 1981 Dec;168(3):D–1–107
Members: American Clinical and Climatological Association. **Trans Am Clin Climatol Assoc** 1981;93:vii–xxiii
American Ophthalmological Society. Directory. **Trans Am Ophthalmol Soc** 1981;79:ix–xxviii
Directory. **Trans Pa Acad Ophthalmol Otolaryngol** 1982 Spring;35(1):84–102
State Medical Society of Wisconsin 1981–1982 membership directory as of December 31, 1981. **Wis Med J** 1982 Jan; 81(1):13–98
Membership directory update. **Wis Med J** 1981 Oct; 80(10):49–53
[Belgian Society of Anesthesia and Resuscitation. Society membership. 1981] **Acta Anaesthesiol Belg** 1981; 32(2):XV–XXV (Fre)
[European Society of General Internal Medicine, International Society, Brussels. List of members] **Agressologie** 1982 Jan;23(A):XLVII–LII (Fre)
[Medico–Psychologic Society. List of members] **Ann Med Psychol (Paris)** 1982 Jan;140(1):69–101 (Fre)
[List of members] **Bull Assoc Anat (Nancy)** 1981 Mar; 65(188):21–52 (Fre)
[List of members of the International Group for Scientific Research in Stomatology and Odontology (9 November 1981)] **Bull Group Int Rech Sci Stomatol Odontol** 1981 Dec; 24(4):279–86 (Fre)
[Board of the Academy and program of meetings] **Bull Mem Acad R Med Belg** 1982;37:1–71 (Fre)
[List of members of the Société française d'Ophtalmologie. 1981] **Bull Mem Soc Fr Ophtalmol** 1981;93:XIII–CLXXVI (Fre)
[The French Organization for the Prevention of Blindness] **Rev Int Trach Pathol Ocul Trop Subtrop** 1980;57(4):87–94 (Fre)
[French Society of Rheumatology] **Rev Rhum Mal Osteoartic** 1981 Nov;48(11):751–64 (Fre)
[Società Italiana di Cardiologia. Directory of members] **Boll Soc Ital Cardiol** 1981;26(1):III–XLII (Ita)
[1982–1985 local associations of the Slovak Medical Society] **Cas Lek Cesk** 1982 Apr 30;121(17):533–9, passim (Slo)
[Spanish–Latin–American College of Dermatology] **Med Cutan Iber Lat Am** 1981;9(6):433–94 (Spa)
[List of members of the Spanish Society for Digestive Pathology] **Rev Esp Enferm Apar Dig** 1982 Jul;62(1):81–98 (Spa)

DIROFILARIA see under **FILARIOIDEA**

DIROFILARIA IMMITIS see under **FILARIOIDEA**

DIROFILARIASIS

DIAGNOSIS

Benign pulmonary nodule and small–cell cancer [letter] Ardman B, et al. **Ann Intern Med** 1982 Jul;97(1):140–1
Human pulmonary dirofilariasis mimicking metastatic disease. Caravelli JF, et al. **Clin Bull** 1981;11(2):88–90
Dirofilaria in a cervical lymph node in Israel. Zweig A, et al. **Hum Pathol** 1981 Oct;12(10):939–40
Orbital infection by Dirofilaria. Barraquer–Somers E, et al. **Md State Med J** 1982 Jul;31(7):58–62
[Dirofilariasis in humans. Report of a case with localization in the cheek (author's transl)] Lapierre J, et al. **Sem Hop Paris** 1982 Jun 24;58(25):1575–7 (Eng. Abstr.) (Fre)
[Subcutaneous Dirofilaria (Nochtiella) repens infection in man—report of the first case in Austria and review of the literature (author's transl)] Bardach H, et al. **Wien Klin Wochenschr** 1981 Feb 20;93(4):123–7 (Eng. Abstr.) (Ger)

DRUG THERAPY

Inhibition of the adverse reaction to diethylcarbamazine in Dirofilaria immitis–infected dogs by lodoxamide ethyl. Desowitz RS, et al. **Am J Trop Med Hyg** 1982 Mar; 31(2):309–12

IMMUNOLOGY

Dirofilaria immitis. VI. Antimicrofilarial immunity in experimental filariasis. Weil GJ, et al. **Am J Trop Med Hyg** 1982 May;31(3 Pt 1):477–85

OCCURRENCE

Human pulmonary dirofilariasis in the United States: a critical review. Ciferri F. **Am J Trop Med Hyg** 1982 Mar; 31(2):302–8
[Dirofilariasis, an unknown parasitosis. One case observed in Paris (author's trans)] Pasquier P, et al. **Bull Soc Pathol Exot Filiales** 1982 May–Jul;75(3):311–4 (Eng. Abstr.) (Fre)

PARASITOLOGY

Dirofilarial infection in human lungs. Tsukayama C, et al. **Acta Pathol Jpn** 1982 Jan;32(1):157–62
Dirofilaria immitis infection in man: report of a case of the infection in heart and inferior vena cava from Japan. Takeuchi T, et al. **Am J Trop Med Hyg** 1981 Sep; 30(5):966–9
Human dirofilariasis. A report of the first case of ocular dirofilariasis in the Netherlands and a review of the literature. Bruijning CF. **Trop Geogr Med** 1981 Sep; 33(3):295–305
A case of dirofilariasis in man (subgenus Nochtiella): a scanning electron microscope study. Franz M, et al. **Tropenmed Parasitol** 1982 Mar;33(1):31–2

VETERINARY

Central blood volume and lung extravascular thermal volume in dogs with dirofilariasis. Olson NC, et al. **Am J Vet Res** 1982 Jun;43(6):1019–22
Exercise in the dog with Dirofilaria immitis infection. Rawlings CA. **Am J Vet Res** 1981 Dec;42(12):2057–60
Prevalence of Dirofilaria immitis microfilariaemia in 6– to 8–week–old pups [letter] Atwell RB. **Aust Vet J** 1981 Oct; 57(10):479
The prevalence of Dirofilaria immitis and other parasites in urban pound dogs in north–eastern Victoria. Blake RT, et al. **Aust Vet J** 1982 Mar;58(3):111–4
Heartworm in dogs in Canada in 1980. Slocombe JO, et al. **Can Vet J** 1981 Jun;22(6):201–3
Clinical laboratory evaluations of seven heartworm infected beagles: during disease development and following treatment. Rawlings CA. **Cornell Vet** 1982 Jan;72(1):49–56
Diagnosis and management of feline heartworm disease. Calvert CA, et al. **J Am Vet Med Assoc** 1982 Mar 1; 180(5):550–2
Treatment of canine heartworm disease coexisting with right–side heart failure. Calvert CA, et al. **J Am Vet Med Assoc** 1982 May 15;180(10):1201–3
Canine heartworm infection in southern California. Corselli NJ, et al. **J Am Vet Med Assoc** 1981 Jun 15;178(12):1278–9
Distal polyneuropathy after canine heartworm disease therapy complicated by disseminated intravascular coagulation. Dillon AR, et al. **J Am Vet Med Assoc** 1982 Aug 1;181(3):239–42
Indirect immunofluorescence testing for diagnosis of occult Dirofilaria immitis infection in three cats. Dillon R, et al. **J Am Vet Med Assoc** 1982 Jan 1;180(1):80–2
Dirofilariasis in a red panda. Harwell G, et al. **J Am Vet Med Assoc** 1981 Dec 1;179(11):1258
Dirofilariasis in a ferret. Miller WR, et al. **J Am Vet Med Assoc** 1982 May 1;180(9):1103–4
Development and resolution of radiographic lesions in canine heartworm disease. Rawlings CA, et al. **J Am Vet Med Assoc** 1981 Jun 1;178(11):1172–7
Four types of occult Dirofilaria immitis infection in dogs. Rawlings CA, et al. **J Am Vet Med Assoc** 1982 Jun 1; 180(11):1323–6
Epidural dirofilariasis causing paraparesis in a dog. Shires PK, et al. **J Am Vet Med Assoc** 1982 Jun 1;180(11):1340–3
Lymphocyte function in experimental canine dirofilariasis: B–cell responses to heterologous antigen. Grieve RB, et al. **J Parasitol** 1982 Apr;68(2):341–3
Dirofilaria immitis in stray dogs from Richmond County, Georgia. Lindemann BA, et al. **J Parasitol** 1981 Oct; 67(5):746–7
Pulmonary nodule caused by Dirofilaria immitis in a laboratory rabbit (Oryctolagus cuniculus domesticus). Narama I, et al. **J Parasitol** 1982 Apr;68(2):351–2
Lesions in pulmonary artery in feline dirofilariasis. Doi K, et al. **Nippon Juigaku Zasshi** 1982 Feb;44(1):23–9
Indirect hemagglutination test for diagnosis of canine filariasis. Hayasaki M. **Nippon Juigaku Zasshi** 1981 Feb; 43(1):21–6
Reaginic and hemagglutinating antibody production in dogs infected with Dirofilaria immitis. Hayasaki M. **Nippon Juigaku Zasshi** 1982 Feb;44(1):63–70
Studies on hemolysis in canine dirofilarial hemoglobinuria. Lipid alterations in blood serum and red cell membrane. Ishihara K, et al. **Nippon Juigaku Zasshi** 1981 Feb; 43(1):1–11
Acute fatal pneumothorax in canine dirofilariasis. Saheki Y, et al. **Nippon Juigaku Zasshi** 1981 Jun;43(3):315–28
Armigeres subalbatus incriminated as an important vector of the dog heartworm Dirofilaria immitis and the bird Cardiofilaria in urban Kuala Lumpur. Cheong WH, et al. **Southeast Asian J Trop Med Public Health** 1981 Dec; 12(4):611–2
Effect of long–term aspirin treatment on platelet adhesion to chronically damaged canine pulmonary arteries. Schaub RG, et al. **Thromb Haemost** 1981 Dec 23;46(4):680–3
A diagnostic test for the dog heartworm, Dirofilaria immitis. Scherr GH. **Vet Hum Toxicol** 1982 Feb;24(1):1–7
Dirofilarial dermatitis in dogs. Chakrabarti A, et al. **Vet Parasitol** 1982 Feb;9(3–4):277–80
Light and electron microscopic pulmonary lesions associated with retained microfilariae in canine occult dirofilariasis. Castleman WL, et al. **Vet Pathol** 1982 Jul;19(4):355–64
Blood cellular and biochemical studies in canine dirofilariasis. Sharma MC, et al. **Vet Res Commun** 1982 May;5(3):295–300
Dirofilariasis in a captive wolf pack. Pratt SE, et al. **VM SAC** 1981 May;76(5):698–9
[Immunological response of dogs to Dirofilaria immitis infection (author's transl)] Hayasaki M, et al. **Nippon Juigaku Zasshi** 1981 Dec;43(6):909–14 (Eng. Abstr.) (Jpn)

DISABILITY EVALUATION

The role of occupational therapy in vocational evaluation, part 1. Hightower–Vandamm MD. **Am J Occup Ther** 1981 Sep;35(9):563–5
Measuring functional disability in the older population. German PS. **Am J Public Health** 1981 Nov;71(11):1197–9
Respiratory survey findings as predictors of disability from respiratory diseases. Comstock GW, et al. **Am Rev Respir Dis** 1981 Oct;124(4):367–71
The physician and patient disability [letter] Bonnick SL. **Ann Intern Med** 1982 Aug;97(2):280–1
Medical ramifications of the federal regulation of the Social Security Disability Insurance program: Social Security and medicine. Hadler NM. **Ann Intern Med** 1982 May; 96(5):665–9
Diagnosis and prognosis in compensation claims. Woodyard JE. **Ann R Coll Surg Engl** 1982 May;64(3):191–4
The working capacity of Liberian males: a comparison between urban and rural populations in relation to malaria. Brohult J, et al. **Ann Trop Med Parasitol** 1981 Oct; 75(5):487–94
Fitness for work after preserved bone transplantation. Komender J, et al. **Arch Immunol Ther Exp (Warsz)** 1981; 29(4):535–9
Self–care skills: behavioral measurement with Klein–Bell ADL scale. Klein RM, et al. **Arch Phys Med Rehabil** 1982 Jul;63(7):335–8
Airline pilot disability: economic impact of an airline preventive medicine program. Anderson R, et al. **Aviat Space Environ Med** 1982 Apr;53(4):398–402
Pulmonary function assessment for determination of pulmonary impairment and disability evaluation. Miller WF, et al. **Clin Chest Med** 1981 Sep;2(3):327–41 (101 ref.)
The working capacity of rural, urban and service personnel in the Sudan. Awad el Karim MA, et al. **Ergonomics** 1981 Dec;24(12):945–52
Job analysis applied to the special needs of the disabled. North K, et al. **Ergonomics** 1981 Nov;24(11):889–98
Standardization of work intensity for evaluation of exercise–induced bronchoconstriction. Wilson BA, et al. **Eur J Applied Physiol** 1981;47(3):289–94
The New York City fire epidemic as a toxic phenomenon. Wallace R. **Int Arch Occup Environ Health** 1982; 50(1):33–51
Individual assessment procedures for multihandicapped and implementation of a sports program. Bergel RR. **Int J Rehabil Res** 1981;4(3):365–78
Incapacity to work following cardiac infarction (relevance of rehabilitation). Jungmann H, et al. **Int J Rehabil Res** 1981;4(2):211
The rapid disability rating scale–2. Linn MW, et al. **J Am Geriatr Soc** 1982 Jun;30(6):378–82
Locus of control among psychiatric disability petitioners. Forrester RL. **J Clin Psychol** 1982 Jan;38(1):221–5
Disability factors among residents of old people's homes. Twining TC, et al. **J Epidemiol Community Health** 1981 Sep;35(3):205–7
Difficulties in disability Assessment. Baker C, et al. **J Fam Pract** 1981 Dec;13(7):1053–7
The association of clinical, psychosocial, and angiographic variables with work status in patients with coronary artery disease. Dimsdale JE, et al. **J Psychosom Res** 1982; 26(2):215–21
Occupational hearing loss: an Ontario perspective. Alberti PW, et al. **Laryngoscope** 1982 May;92(5):535–9
Work evaluation units in occupational medicine [editorial] Strasser AL. **Occup Health Saf** 1982 Apr;51(4):29–30
Disability in the patient with low back pain. Lehmann TR, et al. **Orthop Clin North Am** 1982 Jul;13(3):559–68
Use of a text of psychomotor ability in an expanded role. Gloss DS, et al. **Percept Mot Skills** 1981 Oct;53(2):659–62
The practical evaluation of handicap after severe stroke. Evans CD. **Physiotherapy** 1981 Jul;67(7):199–202
Medical evaluation of fire fighters: How fit are they for duty? Davis PO, et al. **Postgrad Med** 1982 Aug;72(2):241–5, 248
Marginal malnutrition and its functional consequences in industrialized societies. Buzina R. **Prog Clin Biol Res** 1981; 77:285–303 (37 ref.)
Marginal malnutrition and working capacity. Viteri FE, et al. **Prog Clin Biol Res** 1981;77:277–83
Application of the O.E.C.D. disability questions in Finland. Klaukka T. **Rev Epidemiol Sante Publique** 1981;29(4):431–9
Screening for disability. An examination of the O.E.C.D. Survey questions in a Canadian study. McDowell I. **Rev Epidemiol Sante Publique** 1981;29(4):421–9
Disability assessment in population surveys: results of the O.E.C.D. Common Development Effort. McWhinnie JR. **Rev Epidemiol Sante Publique** 1981;29(4):413–9
Preliminary analysis of O.E.C.D. disability on the pretest of the post census disability survey. Wilson RW, et al. **Rev Epidemiol Sante Publique** 1981;29(4):469–75

A functional study of the rheumatoid elbow. Amis AA, et al. **Rheumatol Rehabil** 1982 Aug;21(3):151–7

A method for evaluating the level of independence during the rehabilitation of the disabled. Parish JG, et al. **Rheumatol Rehabil** 1982 May;21(2):107–14

The relationship between work impairment and diagnosis. Schizophrenia and bipolar affective disorder impair work performance more than other diagnostic entities. Wold PN, et al. **RI Med J** 1982 Apr;65(4):161–4

Working ability of 76 patients with ankylosing spondylitis. Lehtinen K. **Scand J Rheumatol** 1981;10(4):263–5

The Bellmon Report. **Soc Secur Bull** 1982 May;45(5):3–27

Variation in duration of disability among metropolitan employees. **Stat Bull Metropol Life Insur Co** 1981 Jul–Sep; 62(3):8–10

Compensating occupational asthma. Hendrick DJ, et al. **Thorax** 1981 Dec;36(12):881–4 (38 ref.)

[Work disability in gynecology and obstetrics] **Cesk Gynekol** 1981 Jun;46(5):390–416 **(Cze)**

[Predictors of psychiatric disability (author's transl)] Baudiš P, et al. **Cesk Psychiatr** 1981 Dec;77(6):370–6 (Eng. Abstr.) **(Cze)**

[Validity of cumulative test criteria in liver diseases – Part II] Tichý JA, et al. **Vnitr Lek** 1981 Aug;27(8):798–801 (Eng. Abstr.) **(Cze)**

[Chronic painters' disease. A follow-up study of 26 house painters occupational and economical situations] Damgaard M, et al. **Ugeskr Laeger** 1981 Nov 9;143(46):3075–80 (Eng. Abstr.) **(Dan)**

[Posturography applied to the evaluation of work capacity] Dantin-Gallego J. **Agressologie** 1980;21(D):41–6 (Eng. Abstr.) **(Fre)**

[The complementary reasonable explorations to consider about young hypertensive patient. (With regard to 389 selection bed-rests in view of national service) (author's transl)] Condat JM, et al. **Ann Med Interne (Paris)** 1982; 133(2):103–9 (Eng. Abstr.) **(Fre)**

[Indemnification of low degrees of disability in occupational accident legislation] Debarge A, et al. **Lille Med** 1981 Mar; 26(3):115–7 **(Fre)**

[Evaluation of autonomy and disability in elderly people in France, using O.E.C.D. questions and the number of illnesses (author's transl)] Mizrahi A, et al. **Rev Epidemiol Sante Publique** 1981;29(4):441–50 (Eng. Abstr.) **(Fre)**

[Towards the development of a global index of functional disability based on the O.E.C.D. questionnaire. Items in a Swiss survey (author's transl)] Raymond L, et al. **Rev Epidemiol Sante Publique** 1981;29(4):451–9 (Eng. Abstr.) **(Fre)**

[Applications of the OECD disability questions in the Netherlands (author's transl)] van Sonsbeek JL. **Rev Epidemiol Sante Publique** 1981;29(4):461–8 (Eng. Abstr.) **(Fre)**

[Medical ability to work] Boivin M. **Union Med Can** 1981 Aug;110(8):745–7 (Eng. Abstr.) **(Fre)**

[Current and future medical evaluation of disability in private insurance and in civil responsibility] Choquard JL. **Z Unfallmed Berufskr** 1981;74(3–4):137–40 **(Fre)**

[Medical evaluation of disability in military insurance] Kiefer P. **Z Unfallmed Berufskr** 1981;74(3–4):119–25 **(Fre)**

[Various legal questions posed by disability evaluation in federal social insurance covering risk: disability insurance, military insurance and compulsory accident insurance] Vaucher RF. **Z Unfallmed Berufskr** 1981;74(3–4):115–8 **(Fre)**

[Disability determination. Definition in: social insurance, compensation right, private insurance] Raestrup O. **Beitr Gerichtl Med** 1981;39:251–5 (Eng. Abstr.) **(Ger)**

[Expert opinion on the tearing eye] Heydenreich A. **Buch Augenarzt** 1981;(84):120–1 (Eng. Abstr.) **(Ger)**

[Measurement of work and employment disability] Künzler F. **Fortschr Med** 1981 Oct 1;99(37):1477–8 **(Ger)**

[Evaluation of work and earning capacity] Künzler F. **Fortschr Med** 1982 Mar 11;100(10):401–2 **(Ger)**

[German Ophthalmological Association. Recommendations for evaluation of reduced earning capacity caused by damage to vision. September 1981] Jaeger W, et al. **Klin Monatsbl Augenheilkd** 1982 Mar;180(3):242–4 **(Ger)**

[Possibilities and limitations of the physical examinations according to the youth work protection law] Bappert W. **Off Gesundheitswes** 1982 Feb;44(2):100–3 **(Ger)**

[Sense and nonsense in medical evaluations by public health officers] Kahnt R. **Off Gesundheitswes** 1982 Jan;44(1):28–31 **(Ger)**

[Release and partial release from physical education. An aid for decision-making in school sports] Scholz W, et al. **Off Gesundheitswes** 1982 Mar;44(3):176–80 **(Ger)**

[Disability in epileptics – a situation analysis in the district of Dresden] Müller D, et al. **Psychiatr Neurol Med Psychol (Leipz)** 1981 Sep;33(9):520–6 (Eng. Abstr.) **(Ger)**

[Work capacity and multiple sclerosis] Müller J, et al. **Psychiatr Neurol Med Psychol (Leipz)** 1981 Sep;33(9):543–8 (Eng. Abstr.) **(Ger)**

[Appraisal and rehabilitation of psychiatric patients – conclusions for semi-institutional centers in psychiatry] Vietze G, et al. **Psychiatr Neurol Med Psychol (Leipz)** 1981 Sep;33(9):513–9 (Eng. Abstr.) **(Ger)**

[Comparative follow-up survey of psychiatric invalids] Roth E, et al. **Schweiz Arch Neurol Neurochir Psychiatr** 1981; 129(2):325–45 (Eng. Abstr.) **(Ger)**

[Effect of the combination of patients on the length of work disability] Jäckel H. **Z Arztl Fortbild (Jena)** 1981 Oct 1; 75(19):909–12 **(Ger)**

[The significance of medical assessment in the framework of medical care] Kröner V. **Z Arztl Fortbild (Jena)** 1982 Mar 1;76(5):201–3 **(Ger)**

[Sex Differences in disability and morbidity] Lorenz R, et al. **Z Arztl Fortbild (Jena)** 1981 Mar 1;75(5):207–12 **(Ger)**

[Notes on the procedure of disability evaluation in bronchial asthma and obstructive bronchitis] Meister W. **Z Arztl Fortbild (Jena)** 1981 Oct 1;75(19):885–8 **(Ger)**

[Problems of relevancy of work disability in occupational diseases] Stach H, et al. **Z Arztl Fortbild (Jena)** 1981 Oct 1;75(19):913–5 **(Ger)**

[Correlations between objectively determined health status and the medically attested work disability] Stach H, et al. **Z Arztl Fortbild (Jena)** 1981 Sep 15;75(18):872–6 **(Ger)**

[Pallesthesiometry as a screening test in industrial medical examinations of workers with exposure of the hand-arm system to vibration] Krause P, et al. **Z Gesamte Hyg** 1981 Apr;27(4):281–7 (Eng. Abstr.) **(Ger)**

[Cardiovascular diseases and disability] Petermann A, et al. **Z Gesamte Hyg** 1981;27(5):379–84 (Eng. Abstr.) **(Ger)**

[Details of calculating and estimating harmful influences and impairments and their causes on the world scale] Renker K. **Z Gesamte Hyg** 1981 Apr;27(4):258–70 (90 ref.) **(Ger)**

[Expertises on growth disturbances in children seen from the aspect of private accident insurance (author's transl)] Reichenbach M, et al. **Z Orthop** 1981 Feb;119(1):142 (Eng. Abstr.) **(Ger)**

[A heart for demonstrators? Experiences from practice] Roggatz J. **Z Orthop** 1982 Apr;120(2):158–9 **(Ger)**

[Nonutilization of the remaining work capacity] Fredenhagen H. **Z Unfallmed Berufskr** 1982;75(2):81–3 **(Ger)**

[Disability and integrity] Rüttimann B. **Z Unfallmed Berufskr** 1981;74(3–4):149–51 **(Ger)**

[Medical assessment of disability for Swiss disability insurance] Schuler C. **Z Unfallmed Berufskr** 1982; 75(2):75–9 **(Ger)**

[Results of occupational medical examinations in the outlying districts of an employment area] Gnirke K. **Zentralbl Arbeitsmed Arbeitsschutz Prophyl Ergonomie** 1982 Jan;32(1):8–12 **(Ger)**

[Critical evaluation of pre-employment physical examinations based on quantitative results] Krbek F. **Zentralbl Arbeitsmed Arbeitsschutz Prophyl Ergonomie** 1982 Jan;32(1):2–3 **(Ger)**

[Analysis of medical decision-making in pregnancy (author's transl)] Kittlaus H. **Zentralbl Gynakol** 1982;104(7):439–44 (Eng. Abstr.) **(Ger)**

[Certification of illness and work morale] Hege H. **ZFA (Stuttgart)** 1982 May 10;58(13):726–9 **(Ger)**

[Work capacity evaluation in patients with prior myocardial infarct] Giusti C, et al. **Boll Soc Ital Cardiol** 1981; 26(4):327–37 (Eng. Abstr.) **(Ita)**

[Early functional evaluation and physical rehabilitation in patients with wide myocardial infarction (author's transl)] Vecchio C, et al. **G Ital Cardiol** 1981;11(4):419–29 (Eng. Abstr.) **(Ita)**

[The contribution of ergonomics to the rehabilitation of workers with reduced work capacity. Evident problems and research prospects in the European Economic Community] Grieco A, et al. **Med Lav** 1981 Nov–Dec; 72(6):451–8 (93 ref.) **(Ita)**

[Clinical significance of 1st degree atrioventricular block and its medico-legal evaluation in cases of pensionable invalidity] De Benedictis N, et al. **Minerva Med** 1981 Nov 10;72(44):2941–3 (Eng. Abstr.) **(Ita)**

[Disability evaluation in decompression sickness treated with hyperbaric therapy] Zannini D, et al. **Minerva Med** 1981 Dec 30;72(52):3605–13 (Eng. Abstr.) **(Ita)**

[Motor evaluation of the hemiplegic, using the Albert scale] Zamponi A, et al. **Riv Neurobiol** 1980 Jan–Mar;26(1):34–49 (Eng. Abstr.) **(Ita)**

[Disability due to visual loss after trauma in adults (author's transl)] Lenkiewicz E, et al. **Klin Oczna** 1981 Jul–Sep; 83(7–8):353–4 (Eng. Abstr.) **(Pol)**

[Effect of the type of work on the correlation between the subjective and objective evaluation of the workload] Makowiec-Dąbrowska T, et al. **Med Pr** 1981;32(3):165–72 (Eng. Abstr.) **(Pol)**

[Comparative analysis of seasonal incidence of accidents and temporary disability at the Szczecin Shipyard in 1976] Schweiger I, et al. **Med Pr** 1981;32(4):303–6 (Eng. Abstr.) **(Pol)**

[Work capacity evaluation by the exercise tests] Zejda J. **Pol Tyg Lek** 1981 Jul 20;36(29):1119–22 (26 ref.) **(Pol)**

[Changes of effort capacity in women professionally working in conditions of varying energetic expenses (author's transl)] Drewczyński A. **Przegl Lek** 1981;38(9):685–8 (Eng. Abstr.) **(Pol)**

[The role of physical capacity as an index of the level of basic physiological parameters during physical work (author's transl)] Makowiec-Dąbrowska T. **Przegl Lek** 1981;38(9):689–91 (Eng. Abstr.) **(Pol)**

[Selected physiological parameters of evaluation of work noxiousness at some work stands in electrotechnical porcelain industry (author's transl)] Tomas T, et al. **Przegl Lek** 1981;38(9):703–7 (Eng. Abstr.) **(Pol)**

[Ergometric and hemodynamic tests and resumption of activities in myocardial infarct patients under 55 years of age] Dimitriu CG, et al. **Rev Med Interna [Med Interna]** 1981 Sep–Oct;33(5):345–8 (Eng. Abstr.) **(Rum)**

[Compensatory dimensions of the residual mental potential and prognosis of the variations in work capacity in mental disorders] Borcea A, et al. **Rev Med Interna [Neurol Psihiatr]** 1981 Jul–Sep;26(3):161–6 **(Rum)**

[Organization of the instruction of schoolchildren based on their level of work capacity] Eremeev AM. **Gig Sanit** 1981 Nov;(11):27–9 **(Rus)**

[Working conditions and the work capacity status of workers constructing suspended ceilings made of Akmigran acoustic tiles] Khazovskaia EG. **Gig Sanit** 1982 Mar;(3):70–1 **(Rus)**

[Possibility of maintaining the temperature and work capacity of the extremities] Koshcheev VS, et al. **Gig Sanit** 1982 Feb;(2):24–6 (Eng. Abstr.) **(Rus)**

[Daily regimen and the work capacity of 2d-grade schoolchildren in a full-day school] Molchanova NM, et al. **Gig Sanit** 1982 Feb;(2):37–40 (Eng. Abstr.) **(Rus)**

[Assessment of the mental work capacity of schoolchildren by the EEG] Pratusevich IuM, et al. **Gig Sanit** 1981 Jul; (7):24–7 (Eng. Abstr.) **(Rus)**

[Work capacity and health status characteristics of women workers in the wood-working industry] Avdeeva IA. **Gig Tr Prof Zabol** 1981 Oct;(10):11–3 (Eng. Abstr.) **(Rus)**

[Treatment effectiveness and work capacity in pulmonary tuberculosis among workers in occupations with the risk of pneumoconiosis] Burukhina LV, et al. **Gig Tr Prof Zabol** 1981 Jul;(7):11–4 **(Rus)**

[Results of studying the effect of constant noise on the mental work capacity of equipment operators] Romanov VV. **Gig Tr Prof Zabol** 1982 May;(5):51–2 **(Rus)**

[Physical work capacity of diabetics with and without arterial hypertension] Glezer MG. **Kardiologiia** 1982 Mar; 22(3):115–7 **(Rus)**

[Importance of a comprehensive instrumental assessment of cardiovascular system function for the expert medical work evaluation of ischemic heart disease patients] Kogan BM, et al. **Kardiologiia** 1982;22(7):16–21 (Eng. Abstr.) **(Rus)**

[Expert medico-vocational assessment and rehabilitation of patients and invalids with chronic venous insufficiency of the lower extremities] Zelenin RP, et al. **Khirurgiia (Mosk)** 1982 Feb;(2):33–6 (Eng. Abstr.) **(Rus)**

[Problems of deontology in occupational pathology] Evlashko IuP. **Klin Med (Mosk)** 1981 Aug;59(8):105–8 (Eng. Abstr.) **(Rus)**

[Clinical electromyographic indices in the assessment of the work capacity of patients with progressive muscular dystrophies] Shvetsova VS, et al. **Klin Med (Mosk)** 1982 Jan;60(1):82–7 **(Rus)**

[Work capacity and fatigue of helicopter pilots] kamenskii IuN. **Kosm Biol Aviakosm Med** 1982 Jan–Feb;16(1):55–8 (Eng. Abstr.) **(Rus)**

[Characteristics of human sleep, diurnal periodicity of physiological functions and work capacity indices on the 1st day after a changeover from the usual to split alternation of sleep and wakefulness] Litsov AN. **Kosm Biol Aviakosm Med** 1981;15(3):22–5 (Eng. Abstr.) **(Rus)**

[Characteristics of human sleep, circadian periodicity of physiological functions and of work capacity indices in the 1st 24 hours after the transition from an altered to a usual sleep and wakefulness cycle] Litsov AN. **Kosm Biol Aviakosm Med** 1982 May–Jun;16(3):8–13 (Eng. Abstr.) **(Rus)**

[Specialized medical vocational evaluation] Os'kola PG, et al. **Ortop Travmatol Protez** 1982 Mar;(3):51–3 **(Rus)**

[Indices of overall physical work capacity as criteria of the adequacy of rehabilitative measures for children with chronic pneumonia] Sereda EV, et al. **Pediatriia** 1982 Mar; (3):61–4 (Eng. Abstr.) **(Rus)**

[Importance of a self-care system in diabetes mellitus in preventing complications and preserving the patient's work capacity] Kadulina AA, et al. **Probl Endokrinol (Mosk)** 1982 Jan–Feb;28(1):11–4 (Eng. Abstr.) **(Rus)**

[Medical and social factors in the work capacity expertise of lymphogranulomatosis patients] Anikin BS. **Probl Gematol Pereliv Krovi** 1981 Aug;26(8):50–4 (Eng. Abstr.) **(Rus)**

[Sequelae of past tuberculosis as a cause of disability] Khudushina TA, et al. **Probl Tuberk** 1981 Jun;(6):8–10 (Eng. Abstr.) **(Rus)**

[Importance of a functional assessment of the cardiovascular system for the medical disability expert evaluation of ischemic heart disease patients] Kogan BM, et al. **Sov Med** 1982;(5):95–9 **(Rus)**

[Current aspects of the diagnosis and work capacity expertise in chronic bronchitis of dust etiology] Mal'tseva LM. **Sov Med** 1981;(6):106–8 **(Rus)**

[Work capacity after selective proximal vagotomy] Pomelov VS, et al. **Sov Med** 1981;(8):104–7 **(Rus)**

[Physical capacity and mental changes in patients with postinfarction cardiosclerosis] Volkov VS, et al. **Sov Med** 1982;(3):14–8 **(Rus)**

[Assessment of physical work capacity and myocardial contractile function in patients who have undergone aortocoronary bypass surgery] Zaretskii VV, et al. **Sov Med** 1982;(5):23–7 (Eng. Abstr.) **(Rus)**

[Work capacity in chronic alcoholism] Avkaeva RT. **Ter Arkh** 1982;54(2):124–8 (Eng. Abstr.) **(Rus)**

[Personality characteristics and tolerance to exertion in patients with post-infarct cardiosclerosis] Beliakova NA. **Ter Arkh** 1981;53(8):38–41 (Eng. Abstr.) **(Rus)**

[Effect of certain medical-social factors on work capacity of patients with rheumatism] Bolotina AIu, et al. **Ter Arkh** 1981;53(11):99–101 (Eng. Abstr.) **(Rus)**

[Respiratory function in patients with bronchial asthma with different degrees of severity of disability] Fedoseev GB, et al. **Ter Arkh** 1981;53(12):45–9 (Eng. Abstr.) **(Rus)**

[Results of the studies of central hemodynamics indicators and their importance in expert testimony on ischemic heart disease] Kogan BM, et al. **Ter Arkh** 1981;53(8):51–4 (Eng. Abstr.) **(Rus)**

[Work capacity of patients with endocrine diseases according to the Leningrad Industrial Medical Expert Commission] Mitropol'skii AN, et al. **Ter Arkh** 1981;53(5):129–33 (Eng. Abstr.) **(Rus)**

[Clinical evaluation of the respiratory organs in workers with decreased external respiratory function, employed at an electromechanical plant] Strelis AK, et al. **Ter Arkh** 1981; 53(6):100–2 (Eng. Abstr.) **(Rus)**

[Rheovasographic studies of the vascular tonus in primary arthrosis deformans and their use in work capacity evaluation] Zabolotnykh II, et al. **Ter Arkh** 1982; 54(3):128–31 (Eng. Abstr.) **(Rus)**

[Errors in the diagnosis, treatment and expert work capacity evaluation of hand injuries] Vasil'ev SF, et al. **Vestn Khir** 1982 Jan;128(1):143–4 **(Rus)**

[Dynamics of cerebral vascular engorgment and the work capacity of sailors during a cruise period] Dovgusha VV. **Voen Med Zh** 1981 Oct;(10):53–4 **(Rus)**

[Work capacity of sailors with a changed work and rest regimen] Evstaf'ev VN, et al. **Voen Med Zh** 1981 Nov; (11):46–7 **(Rus)**

[Diagnosis of heart rhythm and conduction disorders and their expert evaluation in flight personnel] Koledenok VI, et al. **Voen Med Zh** 1982 Jun;(6):46–9 **(Rus)**

[Functional body state and work capacity under alpine conditions] Kudrin ID, et al. **Voen Med Zh** 1981 Sep; (9):45–7 **(Rus)**

[Effect of the circadian rhythm of physiological functions on the mental work capacity of equipment operators] Popov AN, et al. **Voen Med Zh** 1981 Dec;(12):49–51 **(Rus)**

[Experience in using a psychological test in medical expertise] Tsipin VV, et al. **Voen Med Zh** 1982 Jun;(6):56–7 **(Rus)**

[Expert assessment of the venous and lymphatic outflow disorders after deep burns of the lower extremities] Vikhreiev BS, et al. **Voen Med Zh** 1981 Sep;(9):55–6 **(Rus)**

[Primary disability as a consequence of malignant neoplasms among workers and employees in the BSSR] Skoblia ES, et al. **Vopr Onkol** 1981;27(12):33–6 (Eng. Abstr.) **(Rus)**

[Certain aspects of work capacity evaluation in patients with nonrheumatic myocarditis] Stadchenko NA. **Vopr Revm** 1981 Jul-Sep;(3):51–3 (Eng. Abstr.) **(Rus)**

[Medico-industrial expertise in the late sequelae of brain injuries] Pavlov AIu. **Vrach Delo** 1982 Jun;(6):117–9 **(Rus)**

[Importance of the bicycle ergometric test in evaluating the work capacity of hypertension patients] Proskurkina OA, et al. **Vrach Delo** 1982 May;(5):70–2 (Eng. Abstr.) **(Rus)**

[Criteria for assessing work capacity in chronic pneumonia] Suleeva LK, et al. **Vrach Delo** 1981 Sep;(9):102–4 (Eng. Abstr.) **(Rus)**

[Algorhythm for EEG description for use in clinical practice and disability evaluation] Povorinskiĭ AG, et al. **Zh Nevropatol Psikhiatr** 1981;81(8):1130–3 (Eng. Abstr.) **(Rus)**

[Ventilatory function studies in assessment of work capacity (author's transl)] Zuškin E, et al. **Lijec Vjesn** 1981 June; 103(6):260–7 (Eng. Abstr.) **(Scr)**

[Acute and chronic respiratory diseases from the standpoint of public health (author's transl)] Hal'ák O. **Bratisl Lek Listy** 1981 Mar;75(3):310–4 (Eng. Abstr.) **(Slo)**

[Functional capacity and working status after myocardial infarction] Sanz G, et al. **Rev Esp Cardiol** 1981;34(3):219–26 (Eng. Abstr.) **(Spa)**

METHODS

Disability rating scale for severe head trauma: coma to community. Rappaport M, et al. **Arch Phys Med Rehabil** 1982 Mar;63(3):118–23

A survey version of the Clifton Assessment Procedures for the Elderly (CAPE). Pattie AH. **Br J Clin Psychol** 1981 Sep;20(Pt 3):173–8

An appraisal of use of the classifications of disabilities resulting from leprosy in field work and suggestions for improvement. Hasan S. **Lepr India** 1982 Jan;54(1):135–42

DISABLED see HANDICAPPED

DISACCHARIDASES

ANALYSIS

Significance of duodenal disaccharidases. A comparative study of duodenal and jejunal values. Bergoz R, et al. **Digestion** 1981;22(2):108–12

Disaccharidase levels in iron deficient rats at birth and during the nursing and postweaning periods: response to iron treatment. Lanzkowsky P, et al. **Pediatr Res** 1982 Apr;16(4 Pt 1):318–23

ANTAGONISTS & INHIBITORS

Early changes in brush border disaccharidase kinetics in rat jejunum following subcutaneous administration of tetraiodothyronine: a quantitative histochemical study on villi revealing normal morphology. Gutschmidt S, et al. **Histochemistry** 1981;73(1):151–60

DEFICIENCY

Prevalence of transient disaccharidase deficiency in Singapore children with acute gastroenteritis. Wong F, et al. **J Singapore Paediatr Soc** 1981;23(1–2):89–91

[The one-hour d-xylose test in the postenteritic period. Its diagnostic and therapeutic significance (author's transl)] Jurčić Z, et al. **Lijec Vjesn** 1981;103(3):79–82 (Eng. Abstr.) **(Scr)**

[Chronic diarrhea] García Aranda JA, et al. **Bol Med Hosp Infant Mex** 1982 Feb;39(2):147–52 **(Spa)**

METABOLISM

Influence of indigenous microbiota on amount of protein and activities of alkaline phosphatase and disaccharidases in extracts of intestinal mucosa in mice. Whitt DD, et al. **Appl Environ Microbiol** 1981 Sep;42(3):513–20

Control of disaccharidase activities in brush-border membranes of guinea pig fetuses: a role of pancreatic proteases? McNamara D, et al. **Biomedicine** 1981 Sep; 35(4):122–4

The level and distribution of disaccharidases in the camel (Camelus dromedarius) intestine. Sir El Khatim MM, et al. **Comp Biochem Physiol [A]** 1982;71(2):199–204

Disaccharidase values in iron-deficient infants. Lanzkowsky P, et al. **J Pediatr** 1981 Oct;99(4):605–8

Children with chronic diarrhea and altered disaccharidase ratio who respond to sucrose withdrawal [letter] Davidson GP, et al. **Lancet** 1982 Aug 7;2(8293):325

Effects os substitution of glucose-oligosaccharides by sucrose in a defined formula diet on intestinal disaccharidases, hepatic lipogenic enzymes and carbohydrate metabolism in young rats. Cha CJ, et al. **Metabolism** 1982 Jan; 31(1):57–66

Circadian rhythms of intestinal disaccharidases in experimental uremia in rats. Inagaki O, et al. **Nephron** 1982; 30(4):345–7

Effects of hydrocortisone and pentagastrin on the activity of intestinal disaccharidases and alkaline phosphatase in weanling rats. Majumdar AP. **Scand J Gastroenterol** 1981; 16(2):177–82

[Significance of disaccharidase assays in endoscopic biopsies from the duodenum (author's transl)] Bergoz R, et al. **Praxis** 1981 Aug 18;70(34):1453–5 (Eng. Abstr.) **(Fre)**

[Microdensitometric characterization of brush border disaccharidases in situ. Method and results using as example 4-alpha and beta-glucosidase detection] Gutschmidt S. **Acta Histochem [Suppl] (Jena)** 1980;21:97–103 **(Ger)**

[Studies of the activity of disaccharides in growing sheep. 2. The influence of the feeding regime on the activity of disaccharidases in lambs up to the age of 4 weeks under various rearing conditions] Ulbrich M, et al. **Arch Tierernahr** 1980 Dec;30(10–12):841–52 (Eng. Abstr.) **(Ger)**

DISACCHARIDES

Secondary structure in glycosaminoglycuronans: N.M.R. spectra in dimethyl sulphoxide of disaccharides related to hyaluronic acid and chondroitin sulphate. Heatley F, et al. **Carbohydr Res** 1982 Jan 1;99(1):1–11

Synthesis of the t [beta-D-Gal-(1 goes to 3)-alpha-D-GalNAc]-antigenic determinant in a form useful for the preparation of an effective artificial antigen and the corresponding immunoadsorbent. Ratcliffe RM, et al. **Carbohydr Res** 1981 Jun 16;93(1):35–41

Structure of carbohydrate part of receptor on human uroepithelial cells for pyelonephritogenic Escherichia coli. Källenius G, et al. **Lancet** 1981 Sep 19;2(8247):604–6

ADMINISTRATION & DOSAGE

Treatment of endotoxemia in galactosamine hepatitis by lactulose administered intravenously. Liehr H, et al. **Hepatogastroenterology** 1981 Dec;28(6):296–8

ANALYSIS

Localization of trehalase in vacuoles and of trehalose in the cytosol of yeast (Saccharomyces cerevisiae). Keller F, et al. **Arch Microbiol** 1982 Jun;131(4):298–301

N-Acetyl-D-galactosaminyl-beta-(1 goes to 4)-d-galactose: a terminal non-reducing structure in human blood group Sda-active Tamm-Horsfall urinary glycoprotein. Donald AS, et al. **Biochem Biophys Res Commun** 1982 Jan 15; 104(1):58–65

Phenolic components of the primary cell wall. Feruloylated disaccharides of D-galactose and L-arabinose from spinach polysaccharide. Fry SC. **Biochem J** 1982 May 1; 203(2):493–504

High-performance liquid chromatography determination of unsaturated disaccharides produced from chondroitin sulfates by chondroitinases. Fluharty AL, et al. **Biochem Med** 1982 Jun;27(3):352–60

High pressure liquid chromatographic determination of mono- and disaccharides in presweetened cereals: Collaborative study. Zygmunt LC, et al. **J Assoc Off Anal Chem** 1982 Mar;65(2):256–64

Pediatric surgical patients with severe anaerobic infection: report of 16 T-antigen positive cases and possible hazards of blood transfusion. Seges RA, et al. **J Pediatr Surg** 1981 Dec;16(6):905–10

[Determination of some components of a lactulose isomer-mixture and syrup] Kovácsné HK, et al. **Acta Pharm Hung** 1982 May;52(3):112–8 (Eng. Abstr.) **(Hun)**

BIOSYNTHESIS

Biosynthesis of galactinol by lactose synthetase. White MD, et al. **Int J Biochem** 1982;14(6):449–51

Enzymic formation of difructose anhydride IV from bacterial levan. Tanaka K, et al. **J Biochem (Tokyo)** 1981 Nov; 90(5):1545–8

CHEMICAL SYNTHESIS

The synthesis of alpha and beta-(1 less than 2) and-(1 less than 3)-linked glucopyranose disaccharides and their protein conjugates. Eby R, et al. **Carbohydr Res** 1982 Apr 16;102:131–8

Synthesis and immunoadjuvant activities of the repeating, disaccharide-dipeptide unit of the bacterial, cell-wall peptidoglycan and of some carbohydrate analogs. Kiso M, et al. **Carbohydr Res** 1982 Jun 16;104(2):253–69

Preparation of some (1 goes to 6)-linked disaccharides, and their derivatives suitable for protein modification. Lee RT, et al. **Carbohydr Res** 1982 Feb 16;101(1):39–47

DIAGNOSTIC USE

Sulphamidase activity in leucocytes, cultured skin fibroblasts and amniotic cells: diagnosis of the Sanfilippo A syndrome with the use of radiolabelled disaccharide substrate. Hopwood JJ, et al. **Clin Sci** 1981 Dec;61(6):729–35

Assessment of intestinal permeability in the experimental rat with [3H]cellobiotol and [14C]mannitol. Sandhu JS, et al. **Clin Sci** 1982 Sep;63(3):311–6

METABOLISM

Effect of acetylsalicylic acid on symptoms and hydrogen excretion in the disaccharide tolerance test with lactose or lactulose. Flatz G, et al. **Am J Clin Nutr** 1982 Feb; 35(2):273–6

Conservation of mannitol, lactulose, and raffinose by the human colon. Saunders DR, et al. **Am J Physiol** 1981 Nov; 241(5):G397–402

Biochemical genetics of trehalose metabolism in Saccharomyces cerevisiae. Panek AD, et al. **An Acad Bras Cienc** 1981 Mar;53(1):165–72

Characterization of the extended carbohydrate binding site of concanavalin A: specificity for interaction with the nonreducing termini of alpha-(1 leads to 2)-linked disaccharides. Williams TJ, et al. **Arch Biochem Biophys** 1981 Jul;209(2):555–64

Changes in intestinal permeability to lactulose induced by cytotoxic chemotherapy. Parrilli G, et al. **Cancer Treat Rep** 1982 Jun;66(6):1435–6

Detection of the Sanfilippo type B syndrome using radiolabelled oligosaccharides as substrates for the estimation of alpha-N-acetylglucosaminidase. Hopwood JJ, et al. **Clin Chim Acta** 1982 Mar 26;120(1):77–86

Utilization of trehalose during Dictyostelium discoideum spore germination. Jackson DP, et al. **Dev Biol** 1982 Apr; 90(2):369–74

Stereochemistry of the hydrolysis of trehalose by the enzyme trehalase prepared from the flesh fly Sarcophaga barbata. Clifford KH. **Eur J Biochem** 1980 May;106(1):337–40

Binding of disaccharides by peanut agglutinin as studied by ultraviolet difference spectroscopy. Neurohr KJ, et al. **Eur J Biochem** 1982 Apr 1;123(2):305–10

Glucose inhibition of the alpha-glucosidase specific for basement membrane and collagen disaccharide units. Sternberg M, et al. **FEBS Lett** 1982 Mar 8;139(1):53–6

13C nuclear magnetic resonance study of trehalose mobilization in yeast spores. Barton JK, et al. **J Bacteriol** 1982 Jul;151(1):177–85

Differential metabolism of cellobiose and glucose by Clostridium thermocellum and Clostridium thermohydrosulfuricum. Ng TK, et al. **J Bacteriol** 1982 Jun;150(3):1391–9

Altered cation coupling to melibiose transport in mutants of Escherichia coli. Niiya S, et al. **J Biol Chem** 1982 Aug 10;257(15):8902–6

The fermentation of lactulose by colonic bacteria. Sahota SS, et al. **J Gen Microbiol** 1982 Feb;128(Pt 2):319–25

Changes in the activity and properties of trehalase during early germination of yeast ascospores: correlation with trehalose breakdown as studied by in vivo 13C NMR. Thevelein JM, et al. **Proc Natl Acad Sci USA** 1982 Jun; 79(11):3503–7

[Regulation of the formation and conversion of intermediate cellooligosaccharides and cellobiose during ezymatic hydrolysis of insoluble cellulose] Klésov AA.

Biokhimiia 1982 Apr;47(4):608–18 (Eng. Abstr.) **(Rus)**
[Hydrolysis and carbohydrate absorption in pediatrics] Stiian IS, et al. **Pediatriia** 1981 Oct;(10):60–2 **(Rus)**

PHARMACODYNAMICS

Blindness induced by double-blindedness [letter] **Arch Intern Med** 1982 Jul;142(7):1406–7
Effect of PH and some reagents on the sucrose-independent non-specific sorption of the oral bacterium Streptococcus mutans to glass. Miyasaki KT, et al. **Arch Oral Biol** 1981; 26(9):735–43
Chemical and biochemical studies on carbohydrate esters. XII. The phagocytic response of the reticuloendothelial system in mice following intraperitoneal administration of disaccharide esters of fatty acids. Nishikawa Y, et al. **Chem Pharm Bull (Tokyo)** 1982 Apr;30(4):1377–80
Inhibition of ischemic induced cellular swelling in kidney cortex tissue by lactobionate anions. Mees N, et al. **J Trauma** 1982 Feb;22(2):118–20
[Palatinit and xylitol in a gnotobiotic rat experiment] Karle EJ, et al. **Dtsch Zahnarztl Z** 1981 Oct;36(10):673–8 (Eng. Abstr.) **(Ger)**

THERAPEUTIC USE

Portal systemic encephalopathy--should lactulose and neomycin be used together. Martin AJ. **Br J Clin Pract** 1981 Sep;35(9):323–4
Prevention of cholesterol gallstones by lignin and lactulose in the hamster. Rotstein OD, et al. **Gastroenterology** 1981 Dec;81(6):1098–103
Effects of lactulose and neomycin on urea metabolism in cirrhotic subjects. Weber FL Jr, et al. **Gastroenterology** 1982 Feb;82(2):213–7
The laxative effects of lactulose in normal and constipated subjects. Bass P, et al. **J Clin Gastroenterol** 1981;3 Suppl 1:23–8
Controlled comparison of nalidixic acid or lactulose with placebo in shigellosis. Hansson HB, et al. **Scand J Infect Dis** 1981;13(3):191–3
[Treatment of hepatic encephalopathy with lactulose] Veljkov N, et al. **Med Arh** 1981;35(5–6):267–9 (Eng. Abstr.) **(Scr)**

URINE

Benign disaccharidurla. Potter JL. **Acta Paediatr Scand** 1981 Jul;70(4):577–8
Isolation and characterisation of 4-O-beta-D-mannopyranosyl-2-acetamido-2-deoxy-D-glucose from the urine of a patient with mucolipidosis II and its occurrence in normal and pathological urine. Lemonnier M, et al. **FEBS Lett** 1982 May 17;141(2):263–6

DISARTICULATION

Knee-disarticulation. Neff G. **Acta Chir Belg** 1981 Sep–Oct; 80(5):253–61

DISASTER PLANNING

see related

CIVIL DEFENSE

Reflections on the organization of mass burns treatment. Simko S. **Acta Chir Plast (Prague)** 1981;23(3):197–200
A role for public health in the nuclear age [editorial] MacLeod GK. **Am J Public Health** 1982 Mar;72(3):237–9
Hospital organizational response to the nuclear accident at Three Mile Island: implications for future-oriented disaster planning. Maxwell C. **Am J Public Health** 1982 Mar; 72(3):275–9
OR staffs respond to Hyatt casualties. Patterson P. **AORN J** 1981 Sep;34(3):411–6
Assessing the effectiveness of auditory warnings. Wilkins PA. **Br J Audiol** 1981 Nov;15(4):263–74
Should physicians prepare for war? 1. The obligation to care for the casualties. Bisgard JC. **Hastings Cent Rep** 1982 Apr; 12(2):15–7
Should physicians prepare for war? 2. Why survival plans are meaningless. Geiger HJ. **Hastings Cent Rep** 1982 Apr; 12(2):17–9
Should physicians prepare for war? 3. The moral bases of contingency planning. Johnson JT. **Hastings Cent Rep** 1982 Apr;12(2):19–20
Should physicians prepare for war? 4. The physician as moral leader. Murray TH. **Hastings Cent Rep** 1982 Apr;12(2):20–1
On nuclear preparedness [letter] **Hosp Pract** 1982 Sep; 17(9):17
Sea-land disaster drill tests regional response to emergency. **Hospitals** 1981 Oct 16;55(20):76, 81
Plan makes surgical suite evacuation orderly. **Hospitals** 1981 Nov 1;55(21):54–5
A metropolitan airport disaster plan--coordination of a multihospital response to provide on-site resuscitation and stabilization before evacuation. Dove DB, et al. **J Trauma** 1982 Jul;22(7):550–9
Disaster medical care: Mardi Gras. McSwain NE Jr, et al. **J Trauma** 1982 Mar;22(3):235–7
Emergency hospital evacuation plans: how adequate are they? Hargest TS. **Med Instrum** 1982 May–Jun;16(3):174–5
Medical care in modern warfare: a look at the Pentagon plan for the civilian sector. **N Engl J Med** 1982 Mar 25; 306(12):741–3
The Civilian-Military Contingency Hospital System. Beary JF 3d, et al. **N Engl J Med** 1982 Mar 25;306(12):738–40
Emergency planning in the nuclear age. Alley EE. **Practitioner** 1981 May;225(1355):711–20
[Organization of Belgian medicolegal operations in case of disasters on national and foreign territory] Timperman J, et al. **Arch Belg Med Soc** 1981 Mar;39(3):175–81 **(Fre)**
[Hospital organization in disaster (author's transl)] Askenasi R. **Rev Med Brux** 1981 Dec;2(10):965–75 (Eng. Abstr.) **(Fre)**
[Medical aspects of emergency disaster planning] Tscherne H, et al. **Med Klin** 1981 Sep 25;76(20):552–9 **(Ger)**
[Disasters in Germany] Gurn HE. **MMW** 1982 Apr 30; 124(17):422–4 **(Ger)**
[Medical measures in nuclear engineering accidents] **Strahlenschutz Forsch Prax** 1981;22:1–113 **(Ger)**
[Medical measures in nuclear engineering accidents. Possible dangers to physicians and the execution of their duties] Betz B. **Strahlenschutz Forsch Prax** 1981;22:95–9 **(Ger)**
[Strategies in radiation protection medicine, ambulatory care for those affected in nuclear engineering accidents] Fliedner TM. **Strahlenschutz Forsch Prax** 1981;22:71–82 **(Ger)**
[Medical measures in nuclear engineering accidents. Uses and risks of iodine prophylaxis] Kallee E, et al. **Strahlenschutz Forsch Prax** 1981;22:100–10 **(Ger)**
[Possibility of support of the German armed forces during catastrophes] Karl-Rückert E. **Strahlenschutz Forsch Prax** 1981;22:42–7 **(Ger)**
[Medical measures in nuclear engineering accidents. Organization of medical help] Kemmer W. **Strahlenschutz Forsch Prax** 1981;22:16–23 **(Ger)**
[Medical measures in nuclear engineering accidents. Assessment and measures in personal contamination] Kiefer H. **Strahlenschutz Forsch Prax** 1981;22:90–4 **(Ger)**
[Medical measures in nuclear engineering accidents. Criteria for deciding between ambulatory and stationary treatment and their use] Niklas K. **Strahlenschutz Forsch Prax** 1981; 22:64–70 **(Ger)**
[Legal aspects of nuclear catastrophe prevention and the legal basis for the cooperation of physicians and assistant personnel] Peinsipp N. **Strahlenschutz Forsch Prax** 1981; 22:52–62 **(Ger)**
[Practical experiences in catastrophe prevention] Siegmund H. **Strahlenschutz Forsch Prax** 1981;22:33–41 **(Ger)**
[Medical measures in nuclear engineering accidents. The execution of stationary treatment] Wendt F. **Strahlenschutz Forsch Prax** 1981;22:84–9 **(Ger)**
[Health services in disasters] Vračarić B, et al. **Vojnosanit Pregl** 1981 Sep–Oct;38(5):314–8 **(Scr)**
[Food and nutrition in case of disaster] **Bol Of Sanit Panam** 1981 Sep;91(3):260–2 **(Spa)**
[Preparation for relief infirmaries in disasters in the Caribbean] Burke GA. **Bol Of Sanit Panam** 1981 Sep; 91(3):262–7 **(Spa)**

ECONOMICS

What are the total costs of nuclear power disasters, and who shall pay? [letter] Kenney ML. **Am J Public Health** 1982 Aug;72(8):856–7

METHODS

The rural interhospital disaster plan: some new solutions to old problems. Skiendzielewski JJ, et al. **J Trauma** 1982 Aug; 22(8):694–7
[Preventive measures in impending ship disaster] Koch P. **Fortschr Med** 1981 Feb 12;99(6):163–4 **(Ger)**
[Catastrophe medicine: experiences with the employment of German Federal Forces in South Italy (author's transl)] Hauber P. **MMW** 1981 Nov 13;123(46):1757–60 (Eng. Abstr.) **(Ger)**
[Catastrophe protection and civil defense in public health] Femmer HJ, et al. **Off Gesundheitswes** 1981 Dec; 43(12):632–46 **(Ger)**
[Catastrophe prevention in the area of a nuclear power plant in Bavaria] Storner H. **Strahlenschutz Forsch Prax** 1981; 22:24–32 **(Ger)**

STANDARDS

The civilian-military contingency hospital system: medical planning for war [letter] **N Engl J Med** 1982 Sep 16; 307(12):751–3

DISASTERS

International disaster identification report. Investigative and dental aspects. Solheim T, et al. **Am J Forensic Med Pathol** 1982 Mar;3(1):63–7
A model for activity intervention in disaster-stricken communities. Rosenfeld MS. **Am J Occup Ther** 1982 Apr; 36(4):229–35
Changes in children's behavior after a natural disaster. Burke JD Jr, et al. **Am J Psychiatry** 1982 Aug;139(8):1010–4
Cambodian disaster relief: refugee camp medical care. Feldstein B, et al. **Am J Public Health** 1982 Jun; 72(6):589–94
Pyroclastic flow injury. Mount St. Helens, May 18, 1980. Parshley PF, et al. **Am J Surg** 1982 May;143(5):565–8
In the wake of Mount St Helens. Nania J, et al. **Ann Emerg Med** 1982 Apr;11(4):184–91
The medical consequences of radiation accidents and nuclear war. Health Policy Committee, American College of Physicians. **Ann Intern Med** 1982 Sep;97(3):447–50
OR staffs respond to Hyatt casualties. Patterson P. **AORN J** 1981 Sep;34(3):411–6
Volcanoes and carcinoma of the thyroid: a possible association. Kung TM, et al. **Arch Environ Health** 1981 Sep–Oct;36(5):265–7
The MGM Grand Hotel fire: lessons learned from a major disaster. Buerk CA, et al. **Arch Surg** 1982 May;117(5):641–4
Cyclone '78 in Sri Lanka--the mental health trail. Patrick V, et al. **Br J Psychiatry** 1981 Mar;138:210–6
The other disaster [editorial] Wild D. **Community Med** 1981 Nov;3(4):283–5
Pulmonary toxicity of Mount St. Helens volcanic ash. Sanders CL, et al. **Environ Res** 1982 Feb;27(1):118–35
Research issues and directions in the epidemiology of health effects of disasters. Logue JN, et al. **Epidemiol Rev** 1981; 3:140–62 (102 ref.)
The pulmonary toxicity of an ash sample from the MT. St. Helens Volcano. Beck BD, et al. **Exp Lung Res** 1981 Nov; 2(4):289–301
The role of a county hospital in a major disaster: Mallow Hospital and the Buttevant rail crash. Gaffney PR, et al. **Ir Med J** 1981 Sep;74(9):260–1
Effect of DDT, fauna and flooding on microsomal growth in soil. Tu CM. **J Environ Sci Health [B]** 1981;16(5 Pt B):637–48
Assessing levels of psychological impairment following disaster: consideration of actual and methodological dimensions. Green BL. **J Nerv Ment Dis** 1982 Sep; 170(9):544–52
Disaster relief after the Charleston earthquake of 1886. Fitzgerald RH Jr. **J SC Med Assoc** 1981 Dec;77(12):607–8
The terrorist bomb explosion in Bologna, Italy, 1980: an analysis of the effects and injuries sustained. Brismar B, et al. **J Trauma** 1982 Mar;22(3):216–20
Volcanic gases and health: Masaya Volcano, Nicaragua [letter] Baxter PJ, et al. **Lancet** 1982 Jul 17;2(8290):150–1
The role of veterinary medicine in times of disaster. Kay JM. **Mod Vet Pract** 1981 May;62(5):345–6
Deaths during the May 18, 1980, eruption of Mount St. Helens. Eisele JW, et al. **N Engl J Med** 1981 Oct 15; 305(16):931–6
Is volcanic ash a pneumoconiosis risk? Green FH, et al. **Nature** 1981 Sep 17–23;293(5829):216–7
Death by volcano. **NZ Med J** 1982 Feb 24;95(702):115–6
Psychological reactions and other problems in civil disasters. Avery TL. **NZ Med J** 1981 Nov 11;94(695):348–9
The Cardington disaster. Mullinax CW. **Ohio State Med J** 1981 Sep;77(9):530–2
Repression-sensitization and flood hazard appraisal in Carman, Manitoba. Simpson-Housley P, et al. **Psychol Rep** 1982 Jun;50(3 Pt 1):839–42
Psychological reactions of disaster victims. Boyd ST. **S Afr Med J** 1981 Nov 7;60(19):744–8 (23 ref.)
Response of hamster trachea in organ culture to Mount St. Helens volcano ash. Schiff LJ, et al. **Scan Electron Microsc** 1981;(Pt 2):169–78
Accident death toll in 1981. **Stat Bull Metropol Life Insur Co** 1982 Jan–Mar;63(1):5–7
Accident death toll in 1980. **Stat Bull Metropol Life Insur Co** 1981 Jan–Mar;62(1):2–4
A moment in history: the 1980 eruption of Mount St. Helens. Haviland JW. **Trans Am Clin Climatol Assoc** 1981;93:1–21
[The organization of forensic investigation in mass disasters and the role of the Belgian forensic odonto-stomatologist in the identification of victims] Cesteleyn L, et al. **Acta Stomatol Belg** 1981;78(2):107–23 **(Dut)**
[Role and contribution of the Belgian forensic dentist in the identification of disaster victims in the light of experiences at the Los Alfaques catastrophe] Cesteleyn L, et al. **Arch Belg Med Soc** 1981 Jan;39(1):32–9 **(Fre)**
[Disasters in Germany] Gurn HE. **MMW** 1982 Apr 30; 124(17):422–4 **(Ger)**
[Catastrophe medicine: experiences with the employment of German Federal Forces in South Italy (author's transl)] Hauber P. **MMW** 1981 Nov 13;123(46):1757–60 (Eng. Abstr.) **(Ger)**
[The pathogenesis of pulmonary edema after being buried by an avalanche] Schmid F. **Schweiz Med Wochenschr** 1981 Sep 26;111(39):1441–5 (Eng. Abstr.) **(Ger)**
[What accidents are possible in nuclear power plants?] Löster W. **Strahlenschutz Forsch Prax** 1981;22:2–8 **(Ger)**
[Tasks of the university cadre of public health and social agencies in granting medical protection to the population and medical assistance in catastrophies] Möpert S, et al. **Z Arztl Fortbild (Jena)** 1981 Jul 15;75(14):617–21 **(Ger)**
[Ethical problems in mass burn disasters (author's transl)] Röding H. **Zentralbl Chir** 1981;106(18):1204–9 (Eng. Abstr.) **(Ger)**
[Medical assistance in nuclear power station catastrophies (letter)] **ZFA (Stuttgart)** 1981 Aug 20;57(23):1566–72 **(Ger)**
[Cold injuries in children. Experiences of the earthquake of November 1980 (author's transl)] Risolo E, et al. **Pediatria (Napoli)** 1982 Mar 31;90(1):45–51 (Eng. Abstr.) **(Ita)**
[The aviation health service and the Irpino-Lucano earthquake. Diary of an emergency (24 November – 18 December, 1980] **Riv Med Aeronaut Spaz** 1980 Jul–Dec; 43(3–4):392–400 **(Ita)**

[Analysis of potassium-40 in ashes from Mt. Sakurajima (author's transl)] Danno A, et al. **Radioisotopes** 1981 Nov; 30(11):599–601 **(Jpn)**

[Medico-sanitary and social problems caused by natural disasters] Zamfir G. **Rev Med Chir Soc Med Nat Iasi** 1981 Jul–Sep;85(3):429–33 **(Rum)**

[Catamnestic aspects of neurotic recurrences after the earthquake of 4 March 1977] Meiu G, et al. **Rev Med Interna [Neurol Psihiatr]** 1981 Oct–Dec; 26(4):251–7 **(Rum)**

[Post-seismic disorders of consciousness. Aspects of shock reactions recorded after the earthquake of 4 March 1977] Predescu V, et al. **Rev Med Interna [Neurol Psihiatr]** 1981 Apr–Jun;26(2):147–53 (Eng. Abstr.) **(Rum)**

[Preventive medicine teams in natural disasters] Radovanović M, et al. **Vojnosanit Pregl** 1981 Sep–Oct;38(5):357–60 **(Scr)**

[Health services in disasters] Vračarić B, et al. **Vojnosanit Pregl** 1981 Sep–Oct;38(5):314–8 **(Scr)**

[Preparation for relief infirmaries in disasters in the Caribbean] Burke GA. **Bol Of Sanit Panam** 1981 Sep; 91(3):262–7 **(Spa)**

HISTORY

Disaster relief after the Charleston earthquake of 1886. Fitzgerald RH Jr. **J SC Med Assoc** 1981 Dec;77(12):607–8

Mount St Helens eruptions, May 18 to June 12, 1980. An overview of the acute health impact. Baxter PJ, et al. **JAMA** 1981 Dec 4;246(22):2585–9

PREVENTION & CONTROL

The responsibility to protest [editorial] **Lancet** 1982 Apr 17; 1(8277):891

DISCHARGE PLANNING see **PATIENT DISCHARGE**

DISCLOSURE, TRUTH see **TRUTH DISCLOSURE**

DISCRIMINATION (PSYCHOLOGY)

Perception of motion using blur pattern information in the moderate and high-velocity domains of vision. Harrington TL, et al. **Acta Psychol (Amst)** 1981 Aug;48(1–3):227–37

Optical information for detecting loss in one's own forward speed. Owen DH, et al. **Acta Psychol (Amst)** 1981 Aug; 48(1–3):203–13

Motion mechanisms in strobe-reared cats: psychophysical and electrophysical measures. Pasternak T, et al. **Acta Psychol (Amst)** 1981 Aug;48(1–3):321–32

Psychophysical properties of displacement thresholds for moving targets. Scobey RP, et al. **Acta Psychol (Amst)** 1981 Aug;48(1–3):49–55

Detection and discrimination of moving gratings. Thompson P. **Acta Psychol (Amst)** 1981 Aug;48(1–3):5–13

Perceptual anisotropies in infancy: ontogenetic origins and implications of inequalities in spatial vision. Bornstein MH. **Adv Child Dev Behav** 1982;16:77–123 (205 ref.)

Production and perception of facial expressions in infancy and early childhood. Field TM, et al. **Adv Child Dev Behav** 1982;16:169–211 (70 ref.)

The relationship between muscle discrimination ability and response to relaxation training in three kinds of headaches. Blanchard EB, et al. **Biofeedback Self Regul** 1981 Dec; 6(4):537–45

Discrimination of the age of adolescent females on the basis of facial cues. McAnarney ER, et al. **J Adolesc Health Care** 1981 Mar;1(3):213–6

The correspondence between self- and image movement as a cue to self-recognition for young children. Bigelow AE. **J Genet Psychol** 1981 Sep;139(First Half):11–26

Age and sex effects on taste of sucrose, NaCl, citric acid and caffeine. Hyde RJ, et al. **Neurobiol Aging** 1981 Winter; 2(4):315–8

Discrimination of orientation by human infants. Essock EA, et al. **Perception** 1981;10(3):245–53

Human kin recognition by olfactory cues. Porter RH, et al. **Physiol Behav** 1981 Sep;27(3):493–5

Stimulus control and the effects of d-amphetamine in the rat. Laties VG, et al. **Psychopharmacology (Berlin)** 1981; 75(3):277–82

Heart rate discrimination before and after exercise-induced augmented cardiac activity. Jones GE, et al. **Psychophysiology** 1981 May;18(3):252–7

Perceived changes in the intensity of arterial pulsations as a function of applied cuff pressure. Papillo JF, et al. **Psychophysiology** 1981 May;18(3):283–7

Retroactive interference in discrimination learning. Heinemann EG, et al. **Science** 1981 Dec 11; 214(4526):1254–7

Examining the profiles of the donor and nondonor through a multiple discriminant approach. Burnett JJ. **Transfusion** 1982 Mar–Apr;22(2):138–42

Discrimination at threshold: labelled detectors in human vision. Watson AB, et al. **Vision Res** 1981;21(7):1115–22

DRUG EFFECTS

OR discrimination: a new drug discrimination method. Colpaert FC, et al. **Eur J Pharmacol** 1982 Feb 19; 78(1):141–4

Haloperidol-induced supersensitivity to the discrimination of apomorphine. Schechter MD. **Eur J Pharmacol** 1981 Sep 24;74(4):343–6

Effects of moderate and high doses of marihuana on thermal pain: a sensory decision theory analysis. Clark WC, et al. **J Clin Pharmacol** 1981 Aug–Sep;21(8–9 Suppl):299S–310S

Effects of morphine, levonantradol, and N-methyllevonantradol on shock intensity discrimination. Dykstra LA. **J Clin Pharmacol** 1981 Aug–Sep;21(8–9 Suppl):341S–347S

Discriminative stimulus and reinforcing properties of etoxadrol and dexoxadrol in monkeys. Brady KT, et al. **J Pharmacol Exp Ther** 1982 Jan;220(1):56–62

A drug discrimination analysis of lysergic acid diethylamide (LSD): in vivo agonist and antagonist effects of purported 5-hydroxytryptamine antagonists and of pirenperone, a LSD-antagonist. Colpaert FC, et al. **J Pharmacol Exp Ther** 1982 Apr;221(1):206–14

Pharmacological analysis of the phencyclidine-like discriminative stimulus properties of narcotic derivatives in rats. Shannon HE. **J Pharmacol Exp Ther** 1982 Jul; 222(1):146–51

Evidence that the discriminative stimulus properties of fentanyl and ethylketocyclazocine are mediated by an interaction with different opiate receptors. Shearman GT, et al. **J Pharmacol Exp Ther** 1982 Jun;221(3):735–9

The role of dopamine and serotonin in the discriminative stimulus effects of lisuride. White FJ, et al. **J Pharmacol Exp Ther** 1982 May;221(2):421–7

Hallucinogens as discriminative stimuli: a comparison of 4-OMe DMT and 5-OMe DMT with their methythio counterparts. Glennon RA, et al. **Life Sci** 1982 Feb 1; 30(5):465–7

Comparative discriminative stimulus effects of 5-methoxy-N,N-dimethyltryptamine and LSD. Young R, et al. **Life Sci** 1982 Jun 14;30(24):2057–62

Discriminative stimulus properties of bremazocine in the rat. Shearman GT, et al. **Neuropharmacology** 1981 Dec; 20(12A):1209–13

Relationship between caffeine discrimination and caffeine plasma levels. Modrow HE, et al. **Pharmacol Biochem Behav** 1981 Aug;15(2):323–5

D-Ala2,D-Leu5-enkephalin generalizes to a discriminative stimulus produced by fentanyl but not ethylketocyclazocine. Shearman GT, et al. **Pharmacol Biochem Behav** 1982 Feb;16(2):249–52

Caffeine-induced stimulus control. Winter JC. **Pharmacol Biochem Behav** 1981 Aug;15(2):157–9

Behavioral pharmacology of local anesthetics: reinforcing and discriminative stimulus effects. Woolverton WL, et al. **Pharmacol Biochem Behav** 1982 Mar;16(3):491–500

Discriminative stimulus properties of cocaine related to an anxiogenic action. Shearman GT, et al. **Prog Neuropsychopharmacol** 1981;5(1):57–63

Selective blockade of the discriminative stimulus effects of pentobarbital in pigeons. Herling S, et al. **Psychopharmacology (Berlin)** 1981;75(3):321–3

Drug effects on discrimination performance at two levels of stimulus control. Ksir C, et al. **Psychopharmacology (Berlin)** 1982;76(3):286–90

Discriminative stimulus properties of arecoline: a new approach for studying central muscarinic receptors. Meltzer LT, et al. **Psychopharmacology (Berlin)** 1981; 75(4):383–7

Cholinergic drug effects on visual discriminations: a signal detection analysis. Milar KS. **Psychopharmacology (Berlin)** 1981;74(4):383–8

LSD as a discriminative stimulus: role of dorsal raphe nucleus. Minnema D, et al. **Subst Alcohol Actions Misuse** 1980;1(1):29–34

PHYSIOLOGY

Discrimination between trunk and head rotation; a study comparing neuronal data from the cat with human psychophysics. Mergner T, et al. **Acta Psychol (Amst)** 1981 Aug;48(1–3):291–301

Responses by rats to odors from living versus dead conspecifics. Carr WJ, et al. **Behav Neural Biol** 1981 Jan; 31(1):67–72

The local organization of behavior: discrimination of and memory for simple behavioral patterns. Shimp CP. **J Exp Anal Behav** 1981 Nov;36(3):303–15

A simple method of olfactory discrimination of urines for the Mongolian gerbil, Meriones unguiculatus. Gregg B, et al. **Physiol Behav** 1981 Jun;26(6):1133–6

Multiple late positive potentials in two visual discrimination tasks. Friedman D, et al. **Psychophysiology** 1981 Nov; 18(6):635–49

Ability of healthy men to discriminate between added inspiratory resistive and elastic loads. Zechman FW, et al. **Respir Physiol** 1981 Jul;45(1):111–20

Rayleigh discriminations in young human infants. Hamer RD, et al. **Vision Res** 1982;22(5):575–7

DISCRIMINATION LEARNING

A further evaluation of the limitation of wholistic visualization. Beech JR. **Acta Psychol (Amst)** 1981 Nov; 49(2):95–108

Nontarget detectability and interference with parafoveal target identification. Chastain G. **Acta Psychol (Amst)** 1982 Mar;50(2):117–26

An olfactory investigation of the compatibility of oddity instructions with the design of a 3-AFC signal detection task. Frijters JE. **Acta Psychol (Amst)** 1981 Oct;49(1):1–16

Searching for a pre-specified target letter in briefly displayed words and unpronounceable non-words. Solman RT. **Acta Psychol (Amst)** 1981 Dec;49(3):263–72

Effects of alternating set for speed or accuracy on response time, accuracy and confidence in a unidimensional discrimination task. Vickers D, et al. **Acta Psychol (Amst)** 1982 Mar;50(2):179–97

Studies regarding the impact of micronutrient status on behavior in man: iron deficiency as a model. Leibel RL, et al. **Am J Clin Nutr** 1982 May;35(5 Suppl):1211–21

Haptic equivalence matching of curvature by nonretarded and mentally retarded blind and sighted persons. Davidson PW, et al. **Am J Ment Defic** 1981 Nov;86(3):295–9

Stimulus overselectivity by mentally retarded adolescents: effects of pretraining on cue identification. Meisel CJ. **Am J Ment Defic** 1981 Nov;86(3):317–22

Transfer effects in feature-positive and feature-negative learning by adult humans. Nallan GB, et al. **Am J Psychol** 1981 Sep;94(3):417–29

Trail Making Test and visual search. Ehrenstein WH, et al. **Arch Psychiatr Nervenkr** 1982;231(4):333–8

Processes in naming Stroop-stimuli: an analysis with word repetition effects. Effler M. **Arch Psychol (Frankf)** 1980; 133(4):249–62

Mismatch negativity in a phonetic discrimination task. Lawson EA, et al. **Biol Psychol** 1981 Dec;13:281–8

A tandem random walk model for psychological discrimination. Heath RA. **Br J Math Stat Psychol** 1981 May;34(1):76–92

Direct vs. indirect tests of the information available from masked displays: what visual masking does and does not prevent. Humphreys GW. **Br J Psychol** 1981 Aug;72(Pt 3):323–30

Can passive touch be better than active touch? A comparison of active and passive tactile maze learning. Richardson BL, et al. **Br J Psychol** 1981 Aug;72(Pt 3):353–62

The semantic deficit hypothesis: perceptual parsing and object classification by aphasic patients. Caramazza A, et al. **Brain Lang** 1982 Jan;15(1):161–89

Vocal and nonvocal discriminative performance in monkeys. Sutton D, et al. **Brain Lang** 1981 Sep;14(1):93–105

Detecting targets in letter and non-letter arrays. Hammond EJ, et al. **Can J Psychol** 1982 Mar;36(1):67–82

Performative bias in children's interpretations of ambiguous referential communications. Ackerman BP. **Child Dev** 1981; 52(4):1224–30

The development of organizational strategies in the storage and retrieval of categorical items in free-recall learning. Kee DW, et al. **Child Dev** 1981;52(4):1162–71

Effects of the similarity and dissimilarity between familiarization and test objects on recognition memory in infants following unimodal and bimodal familiarization. Rolfe SA, et al. **Child Dev** 1981;52(4):1308–12

Dyadic interaction in a logical reasoning problem requiring inclusion ability. Russell J. **Child Dev** 1981;52(4):1322–5

The cognitive basis of classification in very young children: an analysis of object-ordering trends. Sugarman S. **Child Dev** 1981;52(4):1172–8

The relationship between type of naming error and semantic-lexical discrimination in aphasic patients. Gainotti G, et al. **Cortex** 1981 Oct;17(3):401–10

Dissociated awareness of manual performance on two different visual associative tasks: a 'split-brain' phenomenon in normal subjects? Landis T, et al. **Cortex** 1981 Oct; 17(3):435–40

Olfactory development in gerbil pups. Cornwell-Jones CA, et al. **Dev Psychobiol** 1982 Mar;15(2):131–7

Generalization after form discrimination in light-reared and dark-reared rats. Tees RC, et al. **Dev Psychobiol** 1982 Mar; 15(2):159–70

Age and brightness discrimination learning by c57BL/6J mice. Warren JM. **Dev Psychobiol** 1982 Jan;15(1):9–12

Normal-mirrored letter recognition, same-different judgment and cerebral dominance. Shimizu A, et al. **Folia Psychiatr Neurol Jpn** 1982;36(1):59–74

The effect of complexity on interpreting 'Chernoff' faces. Naveh-Benjamin M, et al. **Hum Factors** 1982 Feb; 24(1):11–8

Stimulus overselectivity in learning disabled children. Bailey SL. **J Appl Behav Anal** 1981 Fall;14(3):239–48

A functional analysis of photo-object matching skills of severely retarded adolescents. Dixon LS. **J Appl Behav Anal** 1981 Winter;14(4):465–78

Face recall: an examination of some factors limiting composite production accuracy. Davies G, et al. **J Appl Psychol** 1982 Feb;67(1):103–9

The Matching Familiar Figures Test: a primary, secondary, and tertiary evaluation. Arizmendi T, et al. **J Clin Psychol** 1981 Oct;37(4):812–8

Matching, maximizing, and the behavioral unit: concurrent reinforcement of response sequences. Fetterman JG, et al. **J Exp Anal Behav** 1982 Jan;37(1):97–114

Stimulus discriminability in free-operant and discrete-trial detection procedures. McCarthy D, et al. **J Exp Anal Behav** 1982 Mar;37(2):199–215

Independence of stimulus discriminability from absolute rate of reinforcement in a signal-detection procedure. McCarthy D, et al. **J Exp Anal Behav** 1982 May; 37(3):371–82

Distinguishing between discriminative and motivational functions of stimuli. Michael J. **J Exp Anal Behav** 1982

Jan;37(1):149–55
Reinforcement contingencies and signal detection. Nevin JA, et al. **J Exp Anal Behav** 1982 Jan;37(1):65–79
Conditional discrimination vs. matching to sample: an expansion of the testing paradigm. Sidman M, et al. **J Exp Anal Behav** 1982 Jan;37(1):5–22
A search for symmetry in the conditional discriminations of rhesus monkeys, baboons, and children. Sidman M, et al. **J Exp Anal Behav** 1982 Jan;37(1):23–44
Delayed choice responding by pigeons when the correct response is not predictable from the sample stimulus. Smith JP, et al. **J Exp Anal Behav** 1982 Jan;37(1):57–63
Control of adolescents' arbitrary matching-to-sample by positive and negative stimulus relations. Stromer R, et al. **J Exp Anal Behav** 1982 May;37(3):329–48
Changeover delay effects on topographically tagged discriminative behavior. White KG. **J Exp Anal Behav** 1982 Mar;37(2):295–300
Pigeons' spatial memory: factors affecting delayed matching of key location. Wilkie DM, et al. **J Exp Anal Behav** 1982 Jan;37(1):45–56
Responses and pauses: discrimination and a choice catastrophe. Zeiler MD, et al. **J Exp Anal Behav** 1982 Mar; 37(2):223–31
Ambiguous-cue learning in preschool children: a test of the dimensional characteristics of task stimuli. Boyer WN, et al. **J Exp Child Psychol** 1982 Jun;33(3):405–12
Discrimination of faces by young infants. Bushnell IW. **J Exp Child Psychol** 1982 Apr;33(2):298–308
On the young child's comparison of sets. Grieve R, et al. **J Exp Child Psychol** 1981 Dec;32(3):443–53
Effects of age, stimuli, and category recognition factors in children's inquiry behavior. Herwig JE. **J Exp Child Psychol** 1982 Apr;33(2):196–206
Developmental trends in the use of perceptual and conceptual attributes in grouping, clustering, and retrieval. Melkman R, et al. **J Exp Child Psychol** 1981 Jun;31(3):470–86
The effects of symmetry and contour on recognition memory in children. Mendelson MJ, et al. **J Exp Child Psychol** 1981 Dec;32(3):373–88
Differential production of positive and negative discriminative stimuli by normal and retarded children. Mulvaney DE, et al. **J Exp Child Psychol** 1981 Dec; 32(3):389–400
S + versus S– fading in prompting procedures with autistic children. Schreibman L, et al. **J Exp Child Psychol** 1981 Jun;31(3):508–20
Teaching autistic children to use extra-stimulus prompts. Schreibman L, et al. **J Exp Child Psychol** 1982 Jun; 33(3):475–91
Facilitation and retardation of discrimination learning after exposure to the stimuli. Channell S, et al. **J Exp Psychol [Anim Behav]** 1981 Oct;7(4):437–46
Effects of differential reinforcement expectancies on successive matching-to-sample performance in pigeons. DeLong RE, et al. **J Exp Psychol [Anim Behav]** 1981 Oct; 7(4):394–412
Stimulus interaction and between-trials proactive interference in monkeys. Reynolds TJ, et al. **J Exp Psychol [Anim Behav]** 1981 Oct;7(4):334–47
Cross-modal use of an internal clock. Roberts S. **J Exp Psychol [Anim Behav]** 1982 Jan;8(1):2–22
Eye movements of monkeys during discrimination learning: role of visual scanning. Schrier AM, et al. **J Exp Psychol [Anim Behav]** 1982 Jan;8(1):33–48
Operant conditioning and discrimination of alpha: some methodological limitations inherent in response-discrimination experiments. Cott A, et al. **J Exp Psychol [Gen]** 1981 Sep;110(3):398–414
Matching performance and the similarity structure of the stimulus set. Crist WB. **J Exp Psychol [Gen]** 1981 Sep; 110(3):269–96
Putting properties of objects in context: reply to Nickerson. Crist WB. **J Exp Psychol [Gen]** 1981 Sep;110(3):303–5
Density versus feature weights as predictors of visual identifications: comment on Appelman and Mayzner. Krumhansl CL. **J Exp Psychol [Gen]** 1982 Mar; 111(1):101–8
Context is important but it does not explain everything: a comment on 'Matching performance and the similarity structure of the stimulus set' by Crist. Nickerson RS. **J Exp Psychol [Gen]** 1981 Sep;110(3):297–302
A rapprochement of the operant–conditioning and awareness views of biofeedback training: the role of discrimination in voluntary control. Plotkin WB. **J Exp Psychol [Gen]** 1981 Sep;110(3):415–28
The effects of objective and perceived size properties on visual form matching. Watson HD. **J Exp Psychol [Gen]** 1981 Dec;110(4):547–67
Effect of task demands on dual coding of pictorial stimuli. Babbitt BC. **J Exp Psychol [Hum Learn]** 1982 Jan; 8(1):73–80
Order information in multiple-element comparison. Angiolillo-Bent JS, et al. **J Exp Psychol [Hum Percept]** 1982 Jun;8(3):392–406
Grounding the figure. Calis G, et al. **J Exp Psychol [Hum Percept]** 1981 Dec;7(6):1386–97
Visual search with color. Carter RC. **J Exp Psychol [Hum Percept]** 1982 Feb;8(1):127–36
Perceptual processing strategies in the cross-modal transfer of form discrimination: a developmental study. Coté JJ, et al. **J Exp Psychol [Hum Percept]** 1981 Dec;7(6):1340–8
Journal of experimental psychology: human perception and performance. Estes WK. **J Exp Psychol [Hum Percept]** 1982 Jun;8(3):353–82
Separation relative to length determines the organization of two lines into a unit. Gillam B. **J Exp Psychol [Hum Percept]** 1981 Aug;7(4):884–9
Selective attention in vision: recognition memory for superimposed line drawings. Goldstein EB, et al. **J Exp Psychol [Hum Percept]** 1981 Oct;7(5):954–67
Internal representation of visual texture as the basis for the judgment of similarity. Harvey LO Jr, et al. **J Exp Psychol [Hum Percept]** 1981 Aug;7(4):741–53
A positional discriminability model of linear-order judgments. Holyoak KJ, et al. **J Exp Psychol [Hum Percept]** 1981 Dec;7(6):1283–302
Visual form integration and discontinuity detection. Kinnucan MT, et al. **J Exp Psychol [Hum Percept]** 1981 Oct;7(5):948–53
Perception of growth: a geometric analysis of how different styles of change are distinguished. Mark LS, et al. **J Exp Psychol [Hum Percept]** 1981 Aug;7(4):855–68
Discrete versus continuous stage models of human information processing: in search of partial output. Miller J. **J Exp Psychol [Hum Percept]** 1982 Apr;8(2):273–96
Distance effects on sequential dependencies in categorical judgments. Petzold P. **J Exp Psychol [Hum Percept]** 1981 Dec;7(6):1371–85
Effect of familiarity of Multielement matching. Regan JE. **J Exp Psychol [Hum Percept]** 1981 Dec;7(6):1273–82
The cerebral balance of power: confrontation or cooperation? Sergent J. **J Exp Psychol [Hum Percept]** 1982 Apr; 8(2):253–72
Individual differences in the classification of stimuli by dimensions. Smith JD, et al. **J Exp Psychol [Hum Percept]** 1981 Oct;7(5):1132–45
Importance of the overall similarity of objects of adults' and children's classifications. Smith LB. **J Exp Psychol [Hum Percept]** 1981 Aug;7(4):811–24
Visual detection of multi-letter patterns. Staller JD, et al. **J Exp Psychol [Hum Percept]** 1981 Dec;7(6):1258–72
Perceptual grouping and attention in visual search for features and for objects. Treisman A. **J Exp Psychol [Hum Percept]** 1982 Apr;8(2):194–214
Abstraction of themes from melodic variations. Welker RL. **J Exp Psychol [Hum Percept]** 1982 Jun;8(3):435–47
Generation of visual representations. Yaworsky KB, et al. **J Exp Psychol [Hum Percept]** 1981 Oct;7(5):978–84
Pictorial detail and recall in adults and children. Ritchey GH. **J Exp Psychol [Learn Mem Cogn]** 1982 Mar; 8(2):139–41
The relationship between classification and questioning strategies among adults. Denney NW, et al. **J Gerontol** 1982 Mar;37(2):190–6
Frequency judgments by young and elderly adults for relevant stimuli with simultaneously present irrelevant stimuli. Kausler DH, et al. **J Gerontol** 1982 Jul;37(4):438–42
Age differences in mental synthesis. Ludwig TE. **J Gerontol** 1982 Mar;37(2):182–9
Encoding strategies used by young and elderly adults in a keeping track task. Zacks RT. **J Gerontol** 1982 Mar; 37(2):203–11
The effect of mental retardation and schizophrenia on information processing. Saccuzzo DP, et al. **J Nerv Ment Dis** 1982 Feb;170(2):102–6
Neuronal activity in medullary dorsal horn of awake monkeys trained in a thermal discrimination task. III. Task-related responses and their functional role. Dubner R, et al. **J Neurophysiol** 1981 Sep;46(3):444–64
Neuronal activity in medullary dorsal horn of awake monkeys trained in a thermal discrimination task. II. Behavioral modulation of responses to thermal and mechanical stimuli. Hayes RL, et al. **J Neurophysiol** 1981 Sep;46(3):428–43
Neuronal activity in medullary dorsal horn of awake monkeys trained in a thermal discrimination task. I. Responses to innocuous and noxious thermal stimuli. Hoffman DS, et al. **J Neurophysiol** 1981 Sep;46(3):409–27
In eliciting hemisphere asymmetries which is more important: the stimulus input side or the recognition side? A tachistoscopic study on normals. Berrini R, et al. **Neuropsychologia** 1982;20(1):91–4
Cerebral asymmetry in word-object matching by appearance and by function. Elias JW, et al. **Neuropsychologia** 1982; 20(2):215–8
The relationship between metaphorical and cross-modal abilities: failure to demonstrate metaphorical recognition in chimpanzees capable of cross-modal recognition. Ettlinger G. **Neuropsychologia** 1981;19(4):583–6
Hemispheric asymmetry for face recognition: some effects of visual masking, hemiretinal stimulation and learning task. Proudfoot RE. **Neuropsychologia** 1982;20(2):129–44
Letter recognition and visual form discrimination in aphasic alexia. Varney NR. **Neuropsychologia** 1981;19(6):795–800
Rod-and-frame and MMPI scores for a group of female psychiatric inpatients. Berent S, et al. **Percept Mot Skills** 1982 Jun;54(3):907–13
Tactile discrimination of direction of lines in relation to hemispheric specialization. Brizzolara D, et al. **Percept Mot Skills** 1982 Apr;54(2):655–60
Spatial behaviour in golden hamster (Mesocricetus auratus): a returning task in a T-maze with no intra- or extra-maze cues available. Chapuis N. **Percept Mot Skills** 1982 Feb; 54(1):337–8
Influence of different types of physical fatigue on a visual detection task. Fleury M, et al. **Percept Mot Skills** 1981 Dec;53(3):723–30
Two-point tactual discrimination on the back: a signal-detection approach. Guyot GW, et al. **Percept Mot Skills** 1982 Jun;54(3 Pt 2):1289–90
Orientation and tactile symbol recognition. Heller MA. **Percept Mot Skills** 1981 Oct;53(2):394
Effects of viewing distance and visual angle on metameric matches. Macdonald RR, et al. **Percept Mot Skills** 1982 Feb;54(1):119–26
Relationship between figure-ground perception and viewing time in a ball-catching task. Petrakis E. **Percept Mot Skills** 1981 Dec;53(3):899–904
Fingertip textural perception of normal children. Royeen CB. **Percept Mot Skills** 1982 Feb;54(1):323–30
Figure-background perception and cerebral dominance: hypothesized integrated process of hemispheric specialization. Ruggieri V, et al. **Percept Mot Skills** 1982 Apr;54(2):435–40
Visual field sensitivity on a two-choice discrimination task. Salmon P, et al. **Percept Mot Skills** 1981 Aug;53(1):91–100
Children's categorical representation of oblique orientation. Scher A, et al. **Percept Mot Skills** 1982 Apr;54(2):543–7
Tactile sensitivity to two types of stimulation: continuous and discrete shifting of a point stimulus. Shimizu Y, et al. **Percept Mot Skills** 1982 Jun;54(3 Pt 2):1111–8
Preschool children's discrimination of age. Taylor E, et al. **Percept Mot Skills** 1982 Apr;54(2):539–42
Effects of legibility on verbal test performance of older adults. Vanderplas JH, et al. **Percept Mot Skills** 1981 Aug; 53(1):183–6
The oblique effect: a new slant on things. Williams LJ. **Percept Mot Skills** 1982 Jun;54(3):992–4
Measuring visual disembedding in a tachistoscopic presentation. Zoccolotti P, et al. **Percept Mot Skills** 1982 Apr;54(2):479–86
The effect of the nature of the surround on the perceived lightness of grey bars within square-wave test gratings. White M. **Perception** 1981;10(2):215–30
Studies on the perception of taste: do primaries exist? Erickson RP. **Physiol Behav** 1982 Jan;28(1):57–62
Effect of odor quality and intensity on conditioned odor aversion learning in the rat. Panhuber H. **Physiol Behav** 1982 Jan;28(1):149–54
Sodium chloride detection threshold in the rat determined using a simple operant taste discrimination task. Slotnick BM. **Physiol Behav** 1982 Apr;28(4):707–10
Differences between rats and undernourished preweaning, and controls in learning about a redundant stimulus during acquisition of a conditioned emotional response. Stephens DN, et al. **Physiol Behav** 1982 Jan;28(1):95–101
Differences in Y-maze retention of rats: selection according to open field activity. Wetzel W, et al. **Physiol Behav** 1982 Apr;28(4):619–22
The lack of recognition of lactating females by infant Octodon degus. White P, et al. **Physiol Behav** 1982 Apr; 28(4):623–5
'Representation' in the chimpanzee. Epstein R. **Psychol Rep** 1982 Jun;50(3 Pt 1):745–6
Processing global information in briefly presented pictures. Antes JR, et al. **Psychol Res** 1981;43(3):277–92
Feature mislocalizations and misjudgments of intercharacter distance. Chastain G. **Psychol Res** 1982;44(1):51–65
Behavior genetic analysis of water–T maze learning in inbred strains of mice, their hybrids, and selected second generation crosses. Schwegler H, et al. **Psychol Res** 1981; 43(3):335–45
Perceptual sampling of orthogonal straight line features. Townsend JT, et al. **Psychol Res** 1981;43(3):259–75
Similarity, separability, and the triangle inequality. Tversky A, et al. **Psychol Rev** 1982 Mar;89(2):123–54
Heart rate discrimination viewed as a perceptual process: a replication and extension. Grigg L, et al. **Psychophysiology** 1982 Jan;19(1):13–20
Individual differences in heartbeat discrimination. Katkin ES, et al. **Psychophysiology** 1982 Mar;19(2):160–6
The influence of uncertainty and visual complexity on habituation of electrodermal and visual orienting reactions. Verbaten MN, et al. **Psychophysiology** 1982 Jan;19(1):83–8
Inspection time: an index for intelligence? Nettelbeck T. **Q J Exp Psychol [A]** 1982 May;34(Pt 2):299–312
Evaluation of interaural signal differences. Lindemann W. **Scand Audiol [Suppl]** 1982;15:147–55
A new outlook with the computer. Rostron A, et al. **Spec Educ Forward Trends** 1981 Dec;8(4):29–31
[Localization and orientation criteria in children 4 and 5 years old] Lepecq JC. **Annee Psychol** 1981;81(2):347–68 (Eng. Abstr.) **(Fre)**
[Spatial discrimination with thermal reinforcement in the young rat. (author's transl)] Guenaire C, et al. **Physiol Behav** 1982 Apr;28(4):725–31 (Eng. Abstr.) **(Fre)**
[Effects of various kinds of trainings on the discrimination learning in mental retarded children (author's transl)] Matsumura T. **Shinrigaku Kenkyu** 1981 Jun;52(2):120–3 (Eng. Abstr.) **(Jpn)**

DRUG EFFECTS

Factors regulating drug cue sensitivity: the effect of frustrative non-reward in fentanyl-saline discrimination. Colpaert FC, et al. **Arch Int Pharmacodyn Ther** 1981 Dec;

254(2):241–51

Recognition memory, chlordiazepoxide and rhesus monkeys: some problems and results. Sahgal A, et al. **Behav Brain Res** 1980 Jun;1(3):227–43

Testosterone administration in chicks affects responding in the presence of task irrelevant stimulus changes. Oades RD, et al. **Behav Neural Biol** 1981 Sep;33(1):93–100

Effects of pentobarbital on delayed alternation performance. Terry WS, et al. **Behav Neural Biol** 1981 Jul;32(3):380–5

Discriminative stimulus properties of the hallucinogenic agent DOM. Young R, et al. **Commun Psychopharmacol** 1980;4(6):501–6

Behavioral properties of psychoactive phenylisopropylamines in rats. Glennon RA, et al. **Eur J Pharmacol** 1981 Dec 17;76(4):353–60

The diazepam stimulus complex: specificity in a rat model. Haug T, et al. **Eur J Pharmacol** 1982 May 21;80(2–3):225–30

Learning deficit in immature rabbits with aluminum-induced neurofibrillary changes. Rabe A, et al. **Exp Neurol** 1982 May;76(2):441–6

Discriminative stimulus properties of delta 9-tetrahydrocannabinol: mechanistic studies. Browne RG, et al. **J Clin Pharmacol** 1981 Aug–Sep;21(8–9 Suppl):227S–234S

Drug states as discriminative stimuli in a flavor-aversion learning experiment. Revusky S, et al. **J Comp Physiol Psychol** 1982 Apr;96(2):200–11

Phencyclidine discrimination in the pigeon using color tracking under second-order schedule. McMillan DE, et al. **J Exp Anal Behav** 1982 Jan;37(1):143–7

Effects of phenytoin withdrawal on matching to sample and workshop performance of mentally retarded persons. Davis VJ, et al. **J Nerv Ment Dis** 1981 Nov;169(11):718–25

The effect of antiserum to S 100 protein on behavior and amount of S 100 in brain cells. Hydén H, et al. **J Neurobiol** 1981 May;12(3):201–10

Discriminative stimulus, antagonist, and rate-decreasing effects of cyclorphan: multiple modes of action. Herling S, et al. **Life Sci** 1982 Jan 25;30(4):331–41

Department of Psychology, State University of New York at Albany. Lochry EA, et al. **Neurobehav Toxicol** 1980 Summer;2(2):107–15

Disruption and facilitation of cue discrimination in the rat by cholinergic agents. Rick JT, et al. **Neuropharmacology** 1981 Aug;20(8):747–52

A comparison of the effects of pimozide and nonreinforcement on discriminated operant responding in rats. Beninger RJ. **Pharmacol Biochem Behav** 1982 Apr; 16(4):667–9

A comparison of the behavioral effects of DOM homologs. Glennon RA, et al. **Pharmacol Biochem Behav** 1982 Apr; 16(4):557–9

Discriminative stimulus properties of DOM and several molecular modifications. Glennon RA, et al. **Pharmacol Biochem Behav** 1982 Apr;16(4):553–6

Cross-tolerance to phenobarbital following chronic ethanol polydipsia. Lau CE, et al. **Pharmacol Biochem Behav** 1981 Sep;15(3):471–5

Investigations on the CNS sites of action of the discriminative stimulus effects of arecoline and nicotine. Meltzer LT, et al. **Pharmacol Biochem Behav** 1981 Jul;15(1):21–6

Effect of fenfluramine and nicotine upon a stimulant-depressant continuum. Schechter MD. **Pharmacol Biochem Behav** 1981 Sep;15(3):371–5

Effects of posttrial vasopressin injections on appetitively motivated learning in rats. Alliot J, et al. **Physiol Behav** 1982 Mar;28(3):525–30

Impaired heat discrimination learning after capsaicin treatment. Obál F Jr, et al. **Physiol Behav** 1981 Dec; 27(6):977–81

Examination of the effects of pimozide on two conditional discrimination problems differing in levels of task complexity. Szostak C, et al. **Prog Neuropsychopharmacol** 1981;5(5–6):615–8

Discriminative stimulus properties of the vasodilator, hydralazine: differential generalization with alpha 1 and alpha 2 adrenoreceptor drugs. Bennett DA, et al. **Prog Neuropsychopharmacol Biol Psychiatry** 1982; 6(1):17–26

Diazepam and self or externally paced letter matching tasks. Hartley LR, et al. **Prog Neuropsychopharmacol Biol Psychiatry** 1982; 6(2):185–92

Behavioral evidence for different mechanisms of action for ethanol and anxiolytics. Schechter MD. **Prog Neuropsychopharmacol Biol Psychiatry** 1982; 6(2):129–35

Covariation between two-flash threshold and skin conductance level in first-breakdown schizophrenics: relationships in drug-free patients and effects of treatment. Claridge G, et al. **Psychiatry Res** 1982 Jun;6(3):371–80

Effect of fetal exposure to ethanol on complex maze acquisition in rats tested as adults. Means LW, et al. **Psychol Rep** 1982 Jun;50(3 Pt 1):911–6

Discriminative stimulus properties of L-5-hydroxytryptophan: behavioral evidence for multiple serotonin receptors. Barrett RJ, et al. **Psychopharmacology (Berlin)** 1982;76(1):29–35

Effects of chlordiazepoxide on discrimination performance. Cole SO. **Psychopharmacology (Berlin)** 1982;76(1):92–3

A repeated test procedure to assess onset and duration of the cue properties of (-) delta 9-THC, (-) delta 8-THC-DMH and (+) delta 8-THC. Järbe TU, et al. **Psychopharmacology (Berlin)** 1981;75(2):152–7

The role of fentanyl training dose and of the alternative stimulus condition in drug generalization. Koek W, et al. **Psychopharmacology (Berlin)** 1982;76(2):149–56

Psilocybin as a discriminative stimulus: lack of specificity in an animal behavior model for 'hallucinogens'. Koerner J, et al. **Psychopharmacology (Berlin)** 1982;76(2):130–5

The effects of chlorpromazine and lithium on appetitive discrimination learning in the rat. Lalonde R, et al. **Psychopharmacology (Berlin)** 1982;76(3):218–21

Characterization of the receptor mediating the nicotine discriminative stimulus. Romano C, et al. **Psychopharmacology (Berlin)** 1981;74(4):310–5

Training dose as a factor in LSD-saline discrimination. White FJ, et al. **Psychopharmacology (Berlin)** 1982;76(1):20–5

Discriminative stimulus effects of pentobarbital in rhesus monkeys: tests of stimulus generalization and duration of action. Winger G, et al. **Psychopharmacology (Berlin)** 1982; 76(2):172–6

[Effect of ethanol administered during gestation on Hebb-Williams maze learning in the rat] Arsenault R, et al. **Can J Psychol** 1981 Dec;35(4):356–60 **(Fre)**

PHYSIOLOGY

Differentiation learning and auditory generalization in normal and prefrontal dogs after extensive avoidance training. Kowalska D, et al. **Acta Neurobiol Exp (Warsz)** 1981; 41(5):403–22

The amount of decrease of the background white noise intensity as a cue for differentiation training. Zieliński K. **Acta Neurobiol Exp (Warsz)** 1981;41(3):257–70 (44 ref.)

Some new methods for the analysis of lateral interactions that influence the visual evoked potential. Ratliff F, et al. **Ann NY Acad Sci** 1982;388:113–24

The role of frontal eye-fields and superior colliculi in visual search and non-visual search in rhesus monkeys. Collin NG, et al. **Behav Brain Res** 1982 Feb;4(2):177–93

Retention performance of a learned delayed-alternation task after chemical lesions of the cats mediodorsal nucleus. Markowitsch HJ. **Behav Brain Res** 1982 Mar;4(3):263–77

Pattern discrimination in rabbits kept in environments of different complexities after unilateral removal of the occipital cortex. Stuurman PM, et al. **Behav Brain Res** 1980 Jun;1(3):211–26

The accuracy of tilt discrimination in the rabbit. van Hof MW. **Behav Brain Res** 1982 Mar;4(3):315–8

Conditional discrimination training and interocular transfer in pigeons. Watanabe S. **Behav Brain Res** 1980 Apr; 1(2):125–37

Successive discrimination performance improves with increasing numbers of stimulus preexposures in septal rats. Burton HA, et al. **Behav Neural Biol** 1982 Feb;34(2):141–51

Changes in brain biogenic amines in cats performing a symmetrically reinforced go-nogo visual discrimination task. Kitsikis A, et al. **Behav Neural Biol** 1981 Jun; 32(2):133–47

Discriminative properties of aversive brain stimulation. Lappuke R, et al. **Behav Neural Biol** 1982 Feb;34(2):159–79

Search strategies on a hole-board are impaired in rats with ventral tegmental damage: animal model for tests of thought disorder. Oades RD. **Biol Psychiatry** 1982 Feb; 17(2):243–58

Undernutrition and recovery from brain damage: a preliminary investigation. Mangold RF, et al. **Brain Res** 1981 Dec 28;230(1–2):406–11

Prefrontal unit activity during delayed conditional discriminations in the monkey. Watanabe M. **Brain Res** 1981 Nov 23;225(1):51–65

Effects of age on acquisition and maintenance of a location discrimination in rats. Harrison JM. **Exp Aging Res** 1981 Winter;7(4):467–76

Prelimbic cortex, mediodorsal thalamus, septum, and delayed alternation in rats. Brito GN, et al. **Exp Brain Res** 1982; 46(1):52–8

Recovery of function after brain damage: the question of individual behaviors of functionality. Davis N, et al. **Exp Neurol** 1982 Jan;75(1):68–78

Long-term impairment of learning ability in rats after an experimental hippocampal epileptiform syndrome. Mellanby J, et al. **Exp Neurol** 1982 Mar;75(3):690–9

Visual discrimination defects in cats with temporal or occipital decortications. Cornwell P, et al. **J Comp Physiol Psychol** 1981 Aug;95(4):603–14

Behavioral effects of early rearing conditions and neonatal lesions of the visual cortex in kittens. Cornwell P, et al. **J Comp Physiol Psychol** 1981 Dec;95(6):848–62

Auditory signal detection and decision processes in the nervous system. Kettner RE, et al. **J Comp Physiol Psychol** 1982 Apr;96(2):328–31

Further analysis S-R separation effects on visual discrimination performance of normal rhesus monkeys and monkeys with superior colliculus lesions. Kurtz D, et al. **J Comp Physiol Psychol** 1982 Feb;96(1):35–46

Amnesia for discrete events in rats with fornicotomies: effects of interference on spatial alternation performance. Pisa M. **J Comp Physiol Psychol** 1981 Dec;95(6):924–42

Radial-arm-maze behavior by rats with dorsal hippocampal lesions: effect of cuing. Winocur G. **J Comp Physiol Psychol** 1982 Apr;96(2):155–69

Tactile spatial resolution. I. Two-point discrimination, gap detection, grating resolution, and letter recognition. Johnson KO, et al. **J Neurophysiol** 1981 Dec;46(6):1177–92

Tactile spatial resolution. III. A continuum mechanics model of skin predicting mechanoreceptor responses to bars, edges, and gratings. Phillips JR, et al. **J Neurophysiol** 1981 Dec;46(6):1204–25

Tactile spatial resolution. II. Neural representation of Bars, edges, and gratings in monkey primary afferents. Phillips JR, et al. **J Neurophysiol** 1981 Dec;46(6):1192–203

Multiple drug training as a method for increasing the specificity of the drug discrimination procedure. Overton DA. **J Pharmacol Exp Ther** 1982 Apr;221(1):166–72

Cognitive mapping and hippocampal system function. Becker JT, et al. **Neuropsychologia** 1981;19(6):733–44

Multiplexing in single cells of the alert monkeys visual cortex during brightness discrimination. Bridgeman B. **Neuropsychologia** 1982;20(1):33–42

Color-matching, color-naming and color-memory in split-brain patients. Levy J, et al. **Neuropsychologia** 1981; 19(4):523–41

Further evidence on elevated discrimination limens for reduced patterns in monkeys with inferotemporal lesions. Yaginuma S, et al. **Neuropsychologia** 1982;20(1):21–32

Role of genetic factors in the formation of human trace responses. Mikheev VF. **Neurosci Behav Physiol** 1981 Mar–Apr;11(2):158–64

Selective changes in the metabolism of biogenic amines after successive discrimination training in cats. Everett J, et al. **Neuroscience** 1981;6(9):1753–64

Role of the frontal lobes on an attention task: a signal detection analysis. Salmaso D, et al. **Percept Mot Skills** 1982 Jun;54(3 Pt 2):1147–50

Neuropsychological studies of object recognition. Warrington EK. **Philos Trans R Soc Lond [Biol]** 1982 Jun 25;298(1089):15–33

Comparative commissure function: interocular transfer of successive visual discriminations in cats. Francis A, et al. **Physiol Behav** 1982 Feb;28(2):295–9

Maternal and paternal pheromones in gerbils. Gerling S, et al. **Physiol Behav** 1982 Apr;28(4):667–73

The role of dopaminergic mechanisms in the rat hippocampus for the consolidation in a brightness discrimination. Grecksch G, et al. **Psychopharmacology (Berlin)** 1981; 75(2):165–8

Visual discrimination learning in rats with lesions of superior colliculus: door-push and approach errors in modified jumping stand. Dean P, et al. **Q J Exp Psychol [B]** 1981 Aug;33(Pt 3):141–57

Role of mediodorsal thalamic nucleus in olfactory discrimination learning in rats. Slotnick BM, et al. **Science** 1981 Oct 2;214(4516):91–2

[Vertical discrimination in a pure strain of mice (DBA). I] Grimaldi A, et al. **Boll Soc Ital Biol Sper** 1981 May 15; 57(9):1010–6 (Eng. Abstr.) **(Ita)**

[Serotonin and behavior (author's transl)] Nomura M. **Tanpakushitsu Kakusan Koso** 1981 Aug;26(11):1735–40 **(Jpn)**

[Correlation between monoamine content in the brain and discriminative learning ability (author's transl)] Tsukada Y, et al. **Tanpakushitsu Kakusan Koso** 1981 Aug; 26(11):1725–34 (59 ref.) **(Jpn)**

[Importance of reinforcement to differentiation of instrumental conditioned reflex signals in rats] Semagin VN, et al. **Zh Vyssh Nerv Deiat** 1981 Nov–Dec; 31(6):1217–23 (Eng. Abstr.) **(Rus)**

RADIATION EFFECTS

Environmental enrichment to alleviate maze performance deficits in rats with microcephaly induced by x-irradiation. Shibagaki M, et al. **Physiol Behav** 1981 Nov;27(5):797–802

DISEASE

Order and disorder in medicine and occupational therapy. Rogers JC. **Am J Occup Ther** 1982 Jan;36(1):29–35

Increased incorporation of an infused labelled amino acid into plasma proteins as a means of assessing the severity of injury or activity of disease in surgical patients. Clague MB, et al. **Ann Surg** 1982 Jul;196(1):53–6

Preliminary criteria for clinical remission in rheumatoid arthritis. Pinals RS, et al. **Arthritis Rheum** 1981 Oct; 24(10):1308–15

Children's concepts of dental illness. Wright FA. **ASDC J Dent Child** 1982 Jan–Feb;49(1):25–9

Free thyroxine by solid phase radioimmunoassay: improvement in the laboratory diagnosis of thyroid status in severely ill patients. Bayer MF, et al. **Clin Chim Acta** 1982 Feb 5;118(2–3):209–18

The elderly patient and multiple disease. Exton-Smith AN. **Curr Med Res Opin** 1982;7(Suppl 1):5–13

Morbidity, morality, and menarche. Ellison PT. **Hum Biol** 1981 Dec;53(4):635–43

Patient response to symptoms. Smith MC, et al. **J Clin Hosp Pharm** 1981 Dec;6(4):267–76

Disease versus illness in general practice. Helman CG. **J R Coll Gen Pract** 1981 Sep;31(230):548–52

Illness among doctors. Whitfield AG. **J R Coll Gen Pract** 1981 Dec;31(233):723–5

Hierarchical organization, integrations in biology and cancer, balance loss, and a question on modernism. Harguindey S, et al. **Med Hypotheses** 1981 Sep;7(9):1123–32

The nature of suffering and the goals of medicine. Cassel EJ. **N Engl J Med** 1982 Mar 18;306(11):639–45

Intracerebral hematoma: spontaneous cure by drainage into the middle ear. A case report. Bose B, et al. **Neurosurgery** 1982 Jan;10(1):103–4

Common oral lesions and oral manifestations of systemic illnesses and therapies. Dilley DH, et al. **Pediatr Clin North Am** 1982 Jun;29(3):585–611 (40 ref.)

Biomedical research: changes and opportunities. Burnet M. **Perspect Biol Med** 1981 Summer;24(4):511–24

The trans-science aspects of disease and death. Kothari ML, et al. **Perspect Biol Med** 1981 Summer;24(4):658–66

Speaking of illness. Dirckx JH. **Pharos** 1982 Spring;45(2):22–6

'Off their feet'—a geriatric syndrome. Gill GV, et al. **Practitioner** 1982 May;226(1367):966–9

[Register of the relation between HLA and disease. Evaluation of the study conducted 1971–1978] Májský A. **Cas Lek Cesk** 1980 Oct 10;119(40–41):1087–90 (Eng. Abstr.) (Cze)

[Contraindications to participation in school physical education classes] Kučera M, et al. **Cesk Pediatr** 1981 Dec; 36(12):719–21 (Cze)

[The Sickness Lunaria from medical historical viewpoint. a contribution to the iatromathematical-astrological literature of the Middle Ages] Weisser C. **Sudhoffs Arch** 1981;65(4):390–400 (Eng. Abstr.) (Ger)

[What is illness?] Schulz H. **ZFA (Stuttgart)** 1981 Apr 30; 57(12):879–83 (Ger)

[Blaise Pascal's prayer for the beneficial use of disease] Bèttica-Giovannini R. **Ann Osp Maria Vittoria Torino** 1979 Jul-Dec;22(7–12):420–5 (Ita)

[Syndromes 1982—transition of concepts and their current significance] **Nippon Rinsho** 1982 Mar;40 Spec No:1–1296 (Jpn)

[Relationship of structural and functional changes during asymptomatic periods of disease] Sarkisov DS. **Klin Med (Mosk)** 1980 Jul;58(7):9–18 (Rus)

[Clinic-pathological comparisons today. Possibilities and limitations] Avtandilov GG. **Sov Med** 1982;(3):75–81 (Rus)

[Methodological aspects of the theory of the disease] Bronzov IA. **Vestn Akad Med Nauk SSSR** 1982;(4):43–51 (Rus)

[Health, disease, and medicine] Denisenko PP, et al. **Vestn Akad Med Nauk SSSR** 1982;(4):33–7 (Rus)

['Health' and 'disease' in the system of social values of man] Ivaniushkin AIa. **Vestn Akad Med Nauk SSSR** 1982; (4):29–33 (Rus)

[Role of social and biological factors in pathology, and role of experimental disease models in animals] Sukmanskiĭ OI. **Vestn Akad Med Nauk SSSR** 1982;(4):17–21 (Rus)

[States of health and disease: a statistical model to discriminate between them (author's transl)] Silva H, et al. **Rev Med Chil** 1981 Nov;109(11):1089–97 (Eng. Abstr.) (Spa)

BLOOD

Biochemical events related to phagocytosing cells. Markert M, et al. **Adv Clin Chem** 1981;22:125–62 (141 ref.)

Electrophoresis: cellulose acetate vs agarose gel, visual inspection vs densitometry [letter] Aguzzi F, et al. **Clin Chem** 1981 Nov;27(11):1944–5

Changes in essential fatty acid profile of serum phospholipids in human disease. Holman RT, et al. **Prog Lipid Res** 1981; 20:67–73

Fibrinogen and fibrin derivatives in serum from normal and sick children. Yoshioka K, et al. **Thromb Res** 1981 Apr 1–15;22(1–2):25–32

[The insulin receptors of the blood cells and their study in disease states in man (author's transl)] Thomopoulos P. **Ann Endocrinol (Paris)** 1981 Oct-Nov;42(4–5):381–9 (Eng. Abstr.) (Fre)

CLASSIFICATION

Disease concepts and the logic of classes. Taylor FK. **Br J Med Psychol** 1981 Sep;54(Pt 3):277–86

Bed usage and disease specific mortality within ICD chapters. West R. **J Epidemiol Community Health** 1978 Mar; 32(1):38–40

Correlated symptoms and simulated medical classification. Medin DL, et al. **J Exp Psychol [Hum Learn]** 1982 Jan; 8(1):37–50

Defining 'disease'—classification must be distinguished from evaluation. Toon PD. **J Med Ethics** 1981 Dec;7(4):197–201

Mortality data analysis using a multiple-cause approach. Goodman RA, et al. **JAMA** 1982 Feb 12;247(6):793–6

The circular semantic network in Ngbandi disease nosology. Bibeau G. **Soc Sci Med [B]** 1981 Jul;15(3):295–307

Disease classification in rural Ghana: framework and implications for health behaviour. Fosu GB. **Soc Sci Med [B]** 1981 Oct;15(4):471–82

Knowledge of illness and medicine among Cokwe of Zaire. Yoder PS. **Soc Sci Med [B]** 1981 Jul;15(3):237–45

[A method of classification of diseases and its application (author's transl)] Li ES. **Chung Hua Yu Fang I Hsueh Tsa Chih** 1981 Nov; 15(6):336–41 (Chi)

[Classification of morbidity for the rural Mexican environment: its evaluation] Ruiz de Chávez M, et al. **Gac Med Mex** 1982 Feb;118(2):68–77 (Spa)

COMPLICATIONS

Medical illness in psychiatric patients: barriers to diagnosis and treatment. Bunce DF 2d, et al. **South Med J** 1982 Aug; 75(8):941–4

ECONOMICS

[Study of the cost of disease] Guéniot M. **Bull Acad Natl Med (Paris)** 1980 Dec;164(9):829–33 (Eng. Abstr.) (Fre)

ETIOLOGY

Matching in epidemiology as a paradigm for twin research on the etiology of disease. White C. **Acta Genet Med Gemellol (Roma)** 1981;30(1):77–86 (11 ref.)

Induction and latent periods. Rothman KJ. **Am J Epidemiol** 1981 Aug;114(2):253–9

A computer program for the analysis of matched case-control studies. Lubin JH. **Comput Biomed Res** 1981 Apr;14(2):138–43

Political ideology and public health in the nineteenth century. Tesh S. **Int J Health Serv** 1982;12(2):321–42

Multivariate estimation of exposure-specific incidence from case-control studies. Greenland S. **J Chronic Dis** 1981; 34(9–10):445–53

Family practice education and the evolution of disease. Viken RM. **J Fam Pract** 1981 Dec;13(7):1065–6

Disease causality and politics. Tesh S. **J Health Polit Policy Law** 1981 Fall;6(3):369–90

Relative or attributable risk? [editorial] **Lancet** 1981 Nov 28; 2(8257):1211–2

Education, income, and risk factors for disease [letter] Jenks PC. **N Engl J Med** 1982 Sep 9;307(11):689–90

Certainty: the elusive goal. McMullin E. **Prog Clin Biol Res** 1981;67:3–14

Obstacles to success in nutrition intervention programs. Diversity of scientific opinion. Story JA, et al. **Prog Clin Biol Res** 1981;67:517–21 (15 ref.)

Sydenham's disease entities. Taylor FK. **Psychol Med** 1982 May;12(2):243–50

Sodium and calcium regulation and the role of the cytoskeleton in the pathogenesis of disease: a review and hypothesis. Trump BF, et al. **Scan Electron Microsc** 1981; (Pt 2):435–54, 434 (141 ref.)

The relation of social to biological processes in disease. Henry JP. **Soc Sci Med** 1982;16(4):369–80 (97 ref.)

Concepts of illness causation and responsibility: some preliminary data from a sample of working class mothers. Pill R, et al. **Soc Sci Med** 1982;16(1):43–52

Smoking habits and reported illness in two communities with different systems of social support. Philips BU Jr, et al. **Soc Sci Med [a]** 1981 Sep;15(5):625–31

Cold or spirits? Choice and ambiguity in Morocco's pluralistic medical system. Greenwood B. **Soc Sci Med [B]** 1981 Jul;15(3):219–35

Psychosocial stress and its relationship to illness behavior and illnesses encountered commonly by family practitioners. Godkin MA, et al. **Soc Sci Med [E]** 1981 Aug;15(3):155–9

The epidemiologic approach to studies of association between HLA and disease. II. Estimation of absolute risks, etiologic and preventive fraction. Green A. **Tissue Antigens** 1982 Apr;19(4):259–68

The epidemiologic approach to studies of association between HLA and disease. I. The basic measures, concepts and estimation procedures. Green A. **Tissue Antigens** 1982 Apr; 19(4):245–58

On Varro's animalia quaedam minuta and etiology of disease. Phillips JH. **Trans Stud Coll Physicians Phila** 1982 Mar; 4(1):12–25

[Models and pragmatism, activation and repetition: reflections on causality of disease in the Senufo people of the Ivory Coast] Sindzingre N, et al. **Soc Sci Med [B]** 1981 Jul;15(3):279–93 (Fre)

[Stress and illness] Schaefer H. **Fortschr Med** 1981 Feb 5; 99(5):121–2 (Ger)

[What can the 'clinical medicine-sociology' do for clinical research?] Raspe HH. **Med Klin** 1981 Oct 23;76(22):630–3 (Ger)

[Disease: logos and ethos. The relationship of knowledge and the treatment principle in medicine] Magin MN. **Med Welt** 1982 Feb 26;33(8):294–7 (Ger)

[Historical observations in the weather and climate effect on diseases discussed from today's view] Swantes HJ, et al. **Med Welt** 1981 Nov 20;32(47):1802–7 (Ger)

[What does bioclimatology achieve?] Trenkle H. **Med Welt** 1981 Nov 13;32(46):1746–8 (Ger)

[On the concept of multifactorial genesis (author's transl)] Sadegh-Zadeh K. **Pathol Res Pract** 1981 Mar;171(1):50–8 (Eng. Abstr.) (Ger)

[Back to human medicine] Brod J. **Ther Ggw** 1981 Nov; 120(11):999–1009 (Ger)

[Medico-sanitary and social problems caused by natural disasters] Zamfir G. **Rev Med Chir Soc Med Nat Iasi** 1981 Jul-Sep;85(3):429–33 (Rum)

[Phylogenetic aspect of human pathology] Moldavskiĭ MI. **Arkh Patol** 1982;44(1):3–9 (75 ref.) (Eng. Abstr.) (Rus)

[Principles of determinism in the problem of etiology] Korshunov GV. **Patol Fiziol Eksp Ter** 1982 Jan-Feb; (1):82–4 (Rus)

[Polyetiology and cause-effect relationships] Vertkin IM. **Patol Fiziol Eksp Ter** 1982 Mar-Apr;(2):87–9 (13 ref.) (Rus)

[Relationship between the structural and functional changes in the pathogenesis of disease] Sarkisov DS. **Sov Med** 1982; (4):58–62 (12 ref.) (Rus)

[The problem of causality in pathology] Strukov AI. **Sov Med** 1981;(4):3–9 (Rus)

[Several aspects of the cause-effect theory of the medicine] Sarkisov DS. **Vestn Akad Med Nauk SSSR** 1982;(4):51–7 (Rus)

[Methodological aspects of current theory of pathology] Shingarov GKh. **Vestn Akad Med Nauk SSSR** 1982; (4):37–43 (Rus)

METABOLISM

Energy cycles in health and disease. Racker E. **Curr Top Cell Regul** 1981;18:361–76

PHYSIOPATHOLOGY

Drug receptors: considerations of their functional properties in disease and pharmacologic intervention. Taylor P. **Drug Ther** 1982;:121–38 (19 ref.)

[Steroid receptors in human pathology. Foreword (author's transl)] Rochefort H. **Ann Endocrinol (Paris)** 1981 Oct-Nov;42(4–5):303–5 (Eng. Abstr.) (Fre)

PSYCHOLOGY

The interaction between physical illness and neurotic morbidity in the community. Vazquez Barquero JL, et al. **Br J Psychiatry** 1981 Oct;139:328–35

Children's perception of vulnerability to illness and dental disease. Wright FA. **Community Dent Oral Epidemiol** 1982 Feb;10(1):29–32

Psychotherapy in medical illnesses. Karasu TB. **Curr Psychiatr Ther** 1981;20:155–66

The medical care of psychiatric patients. Hall RC, et al. **Hosp Community Psychiatry** 1982 Jan;33(1):25–34 (62 ref.)

Group approaches to psychosocial intervention in medical care: a synthesis. Democker JD, et al. **Int J Group Psychother** 1981 Apr;31(2):247–60

Disease as suffering, deviation, danger, signal, and stimulus. Berlinguer G. **Int J Health Serv** 1982;12(2):309–19

Moderator variables in life stress and illness relationship. Cooley EJ, et al. **J Human Stress** 1981 Sep;7(3):35–40

The role of neuroticism in relation to life stress and illness. Denney DR, et al. **J Psychosom Res** 1981;25(4):303–7

Environmental deprivation in alcoholic, medical and psychiatric patients. Page RD, et al. **J Stud Alcohol** 1982 Jan;43(1):153–7

The medically ill patient. **Psychiatr Clin North Am** 1981 Aug; 4(2):199–425

Psychological considerations of illness and hospitalization in childhood. Becker RD. **Public Health Rev** 1980 Jan-Jun; 9(1–2):9–36

[Organic illness and depressions (author's transl)] Bertagna L. **Encephale** 1981;7(4 Suppl):551–6 (Eng. Abstr.) (Fre)

[Organic illness and depression (author's transl)] Lemperiere T, et al. **Encephale** 1981;7(4 Suppl):543–50 (16 ref.) (Eng. Abstr.) (Fre)

[The child and his sickness. A psychoanalytical study (author's transl)] Bouras M. **Neuropsychiatr Enfance Adolesc** 1981 Oct;29(10):531–6 (Eng. Abstr.) (Fre)

[Occurrence of depression with internal diseases] Greger J, et al. **Z Gesamte Inn Med** 1981 May 15;36(10):321–5 (Eng. Abstr.) (Ger)

[Psychologization or humanization of medicine?] Frankl VE. **ZFA (Stuttgart)** 1982 Jan 20;58(2):70–6 (Ger)

[What does it mean to solve a clinical problem? (author's transl)] Viniegra L. **Rev Invest Clin** 1981 Apr-Jun; 33(2):151–9 (Eng. Abstr.) (Spa)

TRANSMISSION

Disease entities in homosexual population [letter] Forester D. **Ann Emerg Med** 1982 Aug;11(8):456

DISEASE MODELS, ANIMAL

Oleic acid lung damage in pigs. Haldén E, et al. **Acta Anaesthesiol Scand** 1982 Apr;26(2):121–5

The artificially ventilated preterm rabbit neonate as experimental model of hyaline membrane disease. Nilsson R. **Acta Anaesthesiol Scand** 1982 Apr;26(2):89–103 (99 ref.)

Suckling mouse model of urinary tract infections caused by Escherichia coli. Kétyi I. **Acta Microbiol Acad Sci Hung** 1981;28(4):393–9

Experimental scoliosis: production of structural scoliosis by immobilization of young rabbits in a scoliotic position. Hakkarainen S. **Acta Orthop Scand [Suppl]** 1981; 52(192):1–57

Experimental transmission of Creutzfeldt-Jakob disease. Tateishi J, et al. **Acta Pathol Jpn** 1981 Nov;31(6):943–51

Filarial infections of Mastomys natalensis and their relevance for experimental chemotherapy. Sänger I, et al. **Acta Trop (Basel)** 1981 Sep;38(3):277–88

The Shope papilloma-carcinoma complex of rabbits: a model system of neoplastic progression and spontaneous regression. Kreider JW, et al. **Adv Cancer Res** 1981; 35:81–110 (123 ref.)

In vivo and in vitro models of demyelinating diseases. Sorensen O, et al. **Adv Exp Med Biol** 1981;142:271–86

JHM infections in rats as a model for acute and subacute demyelinating disease. Wege H, et al. **Adv Exp Med Biol** 1981;142:327–40

Immunologic regulation of lymphoid tumor cells: model

systems for lymphocyte function. Abbas AK. **Adv Immunol** 1982;32:301–68

The pony as a model for septic shock. Sembrat RF, et al. **Adv Shock Res** 1979;2:137–51

Simultaneous and continuous measurement of swelling and skin temperature as well as discrete measurements of the pain threshold in paw edemas of restrained rats. Bekemeier H, et al. **Agents Actions [Suppl]** 1982;10:59–72

Suitability of experimental antigen-induced arthritis in rabbits as a model of rheumatoid arthritis. Püschel W, et al. **Agents Actions [Suppl]** 1982;10:243–53

Solid tumor models for the assessment of different treatment modalities. XIX. Tumor cure rates and tumor control following sequential administration of radiation and cyclophosphamide. Looney WB, et al. **Am J Clin Oncol** 1982 Apr;5(2):209–20

An animal model of gestational diabetes. Kaufmann RC, et al. **Am J Obstet Gynecol** 1981 Nov 1;141(5):479–82

Prentice-Memorial Lecture: Is the animal model for stimulus deprivation amblyopia in children valid or useful? Marg E. **Am J Optom Physiol Opt** 1982 Jun;59(6):451–64 (107 ref.)

Experimental endolymphatic hydrops in sharks. I. Histologic studies. Arenberg IK, et al. **Am J Otol** 1981 Oct;3(2):81–95

Cholesteatoma: spontaneous occurrence in the Mongolian gerbil Meriones unguiculatis. Chole RA, et al. **Am J Otol** 1981 Jan;2(3):204–10

Animal model of human disease: Mucopolysaccharidosis VI Maroteaux-Lamy syndrome, Arylsulfatase B-deficient mucopolysaccharidosis in the Siamese cat. Haskins ME, et al. **Am J Pathol** 1981 Nov;105(2):191–3

Melanoma: Sinclair swine melanoma. Hook RR Jr, et al. **Am J Pathol** 1982 Jul;108(1):130–3

Animal model of human disease. Mannosidosis. Swainsonine-induced mannosidosis. Huxtable CR, et al. **Am J Pathol** 1982 Apr;107(1):124–6

Animal model of human disease: Inherited early-onset, insulin-requiring diabetes mellitus in keeshond dogs. Kramer JW. **Am J Pathol** 1981 Nov;105(2):194–6

Animal model of human disease. Squamous cell carcinoma. Ovine squamous cell carcinoma. Ladds PW, et al. **Am J Pathol** 1982 Apr;107(1):122–3

Animal model of human disease. Carcinoma of the pancreas in azaserine-treated rats. Longnecker DS. **Am J Pathol** 1981 Oct;105(1):94–6

Animal model of human disease: atrial thrombosis in aged Syrian hamsters. McMartin DN, et al. **Am J Pathol** 1982 May;107(2):277–9

Hypercalcemia of malignancy: Hypercalcemia associated with an adenocarcinoma of the apocrine glands of the anal sac. Meuten DJ, et al. **Am J Pathol** 1982 Sep;108(3):366–70

Inherited copper toxicosis in Bedlington terriers: Wilson's disease (hepatolenticular degeneration). Owen CA Jr, et al. **Am J Pathol** 1982 Mar;106(3):43.

Animal model of human disease. Lymphocytic thyroiditis. Autoimmune thyroiditis in rats induced by thymectomy and irradiation. Penhale WJ, et al. **Am J Pathol** 1982 Feb; 106(2):300–2

Animal model of human disease. Benign monoclonal gammopathy (idiopathic paraproteinemia). Radl J. **Am J Pathol** 1981 Oct;105(1):91–3

Chronic hypersensitivity pneumonitis produced in the rabbit by the adjuvant effect of inhaled muramyl dipeptide (MDP). Richerson HB, et al. **Am J Pathol** 1982 Mar; 106(3):409–20

Animal model of human disease. Skeletal hyperostoses: viral induction of avian osteopetrosis. Schmidt EV, et al. **Am J Pathol** 1982 Feb;106(2):297–9

Dynamic time course studies of the spontaneously diabetic BB Wistar rat. III. Light-microscopic and ultrastructural observations of pancreatic islets of Langerhans. Seemayer TA, et al. **Am J Pathol** 1982 Feb;106(2):237–49

Hereditary multiple exostoses. Hereditary multiple exostoses in horses. Shupe JL, et al. **Am J Pathol** 1981 Sep; 104(3):285–8

Chronic hepatitis and hepatocellular carcinoma associated with woodchuck hepatitis virus. Snyder RL, et al. **Am J Pathol** 1982 Jun;107(3):422–5

Chemically induced urolithiasis in weanling rats. Wolkowski-Tyl R, et al. **Am J Pathol** 1982 Jun; 107(3):419–21

Animal model of human disease: myelogenous leukemia in the RF mouse. Wolman SR, et al. **Am J Pathol** 1982 May; 107(2):280–4

Perfused rat hindlimb wound model: lambda-carrageenan induced. O'Connor JA, et al. **Am J Physiol** 1982 May; 242(5):R570–6

Concentrations of ionic and total calcium in plasma of four models of hypertension. Wright GL, et al. **Am J Physiol** 1982 Sep;243(3):H365–70

Experimental transmission of subperiodic Wuchereria bancrofti to the leaf monkey (Presbytis melalophos), and its periodicity. Sucharit S, et al. **Am J Trop Med Hyg** 1982 May;31(3 Pt 1):599–601

Pneumatically powered vertebral displacement device for dogs. Fialho SA, et al. **Am J Vet Res** 1982 Jul;43(7):1254–7

Sensitivity, specificity, and risk of diagnostic procedures in a canine model of Streptococcus pneumoniae pneumonia. Moser KM, et al. **Am Rev Respir Dis** 1982 Apr; 125(4):436–42

A copper-deficient, zinc-supplemented diet produces emphysema in pigs. Soskel NT, et al. **Am Rev Respir Dis** 1982 Aug;126(2):316–25

Immunologic response to liver cell allografts. Toledo-Pereyra LH, et al. **Am Surg** 1982 Jan;48(1):28–31

Decreased ornithine decarboxylase in the fetal hydantoin syndrome. Parker LE, et al. **Ann Clin Lab Sci** 1982 May-Jun;12(3):216–22

Canine models for ventricular tachyarrhythmia. Michelson EL. **Ann Intern Med** 1981 Nov;95(5):648–9

The use of animal models in the study of the electrophysiology of sudden coronary deaths. Spear JF, et al. **Ann NY Acad Sci** 1982;382:78–89 (49 ref.)

Comparative anatomy of eustachian tube and middle ear cavity in animal models for otitis media. Daniel HJ 3d, et al. **Ann Otol Rhinol Laryngol** 1982 Jan-Feb;91(1 Pt 1):82–9

Longitudinal study of the efficacy of ampicillin in the treatment of pneumococcal otitis media in a chinchilla animal model. Supance JS, et al. **Ann Otol Rhinol Laryngol** 1982 May-Jun;91(3 Pt 1):256–60

Experimental otitis media in chinchillas. II. Comparison of the middle ear immune responses to S pneumoniae types 3 and 23. Watanabe N, et al. **Ann Otol Rhinol Laryngol [Suppl]** 1982 May-Jun;93:9–16

Experimental otitis media in chinchillas. I. Baseline immunological investigation. Watanabe N, et al. **Ann Otol Rhinol Laryngol [Suppl]** 1982 May-Jun;93:1–8

A clinically relevant canine lung cancer model. Benfield JR, et al. **Ann Thorac Surg** 1981 Dec;32(6):592–601

The use of animals in nursing research. Cunningham SG, et al. ANS 1982 Jul;4(4):72–84 (58 ref.)

Mice with persistent gastrointestinal Candida albicans as a model for antifungal therapy. Herrera C, et al. **Antimicrob Agents Chemother** 1982 Jan;21(1):51–3

Animal models related to developmental disorders: theoretical and pharmacological analyses. Mailman RB, et al. **Appl Res Ment Retard** 1981;2(1):1–12 (31 ref.)

Mutations in the hamster [letter] Ingalls TH. **Arch Environ Health** 1982 Jan-Feb;37(1):61

Experimental Proteus mirabilis burn surface infection. McManus AT, et al. **Arch Surg** 1982 Feb;117(2):187–91

Murine lupus--an overview. Dixon FJ. **Arthritis Rheum** 1982 Jul;25(7):721–5

Collagen arthritis as a relevant model for rheumatoid arthritis. Trentham DE. **Arthritis Rheum** 1982 Aug; 25(8):911–6 (57 ref.)

Pharmacokinetic studies on the drug-related lupus syndrome. Differences in antinuclear antibody development and drug-induced DNA damage in rapid and slow acetylator animal models. Weber WW, et al. **Arthritis Rheum** 1981 Aug;24(8):979–86

A new model for arteriosclerosis. An electron-microscopic study of the lesions induced by i.v. administered fat. Jellinek H, et al. **Atherosclerosis** 1982 May;43(1):7–18

Yucatan miniature swine as a model for diet-induced atherosclerosis. Reitman JS, et al. **Atherosclerosis** 1982 May;43(1):119–32

Myocardial-ischemic rats (MIR). Coronary vascular alteration induced by a lipid-rich diet. Yamori Y, et al. **Atherosclerosis** 1982 Mar;42(1):15–20

Abnormal behavior patterns in rhesus monkeys: symptoms of mental disease. Goosen C. **Biol Psychiatry** 1981 Aug; 16(8):697–716

Animal models [editorial] Wortis J. **Biol Psychiatry** 1981 Aug;16(8):695–6

Feasibility of using an isolated intestinal segment as an artificial organ for enzyme replacement therapy. Shelt D, et al. **Biomater Med Devices Artif Organs** 1982;10(1):55–62

A canine model of hemophilic (factor VIII:C deficiency) bleeding. Giles AR, et al. **Blood** 1982 Sep;60(3):727–30

Hemophilic dog model for evaluating therapeutic effectiveness of plasma protein fractions. Kingdon HS, et al. **Blood** 1981 Nov;58(5):868–72

Kinetics of the spread of the Yoshida ascites hepatoma cancer cells through various organs of the rat. Roveta G, et al. **Boll Soc Ital Biol Sper** 1982 Feb;58(3–4):169–75

Detection of human cancer in an animal model using radio-labelled tumour-associated monoclonal antibodies. Epenetos AA, et al. **Br J Cancer** 1982 Jul;46(1):1–8

An animal model for chronic ulceration. Manna V, et al. **Br J Dermatol** 1982 Feb;106(2):169–81

Busulphan aplasia in rabbits: a model for human aplastic anaemia. den Ottolander GJ, et al. **Br J Haematol** 1982 Jun;51(2):265–76

Development of a severe model of early coronary artery ligation-induced dysrhythmias in the anaesthetized rat. Marshall RJ, et al. **Br J Pharmacol** 1981 Aug;73(4):951–9

Dermatophilus congolensis as a model pathogen in mice for the investigation of factors influencing skin infection. Lloyd DH, et al. **Br Vet J** 1982 Jan-Feb;138(1):51–60

Bone response to phosphate and vitamin D metabolites in the hypophosphatemic male mouse. Marie PJ, et al. **Calcif Tissue Int** 1982 Mar;34(2):158–64

Induction of lymphoma in antigenically stimulated athymic mice. Baird SM, et al. **Cancer Res** 1982 Jan;42(1):198–206

Biological characterization of the C-1300 murine neuroblastoma: an in vivo neural crest tumor model. Pons G, et al. **Cancer Res** 1982 Sep;42(9):3719–23

Ultrastructural, cell membrane, and cytogenetic characteristics of B-cell leukemia, a murine model of chronic lymphocytic leukemia. Slavin S, et al. **Cancer Res** 1981 Oct;41(10):4162–6

Cisplatin-induced emesis in the Ferret: a new animal model. Florczyk AP, et al. **Cancer Treat Rep** 1982 Jan;66(1):187–9

A closed chest animal model for the study of reversible ischemia. Vas R, et al. **Cardiology** 1981;67(3):133–47

A new model of experimental Bacteroides fragilis infection in mice and rats. Berti M, et al. **Chemotherapy** 1982; 28(3):213–7

Animal models of tinnitus. Evans EF, et al. **Ciba Found Symp** 1981;85:108–38 (26 ref.)

Pathophysiologic correlates of right ventricular thallium-201 uptake in a canine model. Wackers FJ, et al. **Circulation** 1981 Dec;64(6):1256–64

Aspiration pneumonitis. Correlation of experimental models with clinical disease. Wynne JW. **Clin Chest Med** 1982 Jan; 3(1):25–34

Dialytic support of dogs with clinically occurring renal failure: a realistic model of acute renal failure in man. Ash SR, et al. **Clin Exp Dial Apheresis** 1982;6(1):25–44

Absence of an antihypertensive effect of 12 hour infusions of an angiotensin antagonist in chronic renal hypertensive rabbits. Kurz KD, et al. **Clin Exp Hypertens** 1981; 3(6):1195–205

Etiopathogenesis of excess methylprednisolone arterial hypertension in the rat. Ribeiro AB, et al. **Clin Exp Hypertens** 1981;3(6):1219–37

Genetic markers in spontaneously hypertensive rats. Yamori Y, et al. **Clin Exp Hypertens** 1981;3(4):713–25

Simplified technique to produce toxemia in the rat: considerations on cause of toxemia. Abitbol MM. **Clin Exp Hypertens [B]** 1982;1(1):93–103

The production of ventricular arrhythmias in the guinea-pigs isolated heart using hypoxic perfusion fluids containing adrenaline. Dai S. **Clin Exp Pharmacol Physiol** 1982 Jan-Feb;9(1):1–9

Effect of bursectomy on development of a spontaneous postnatal amelanosis. Lamont SJ, et al. **Clin Immunol Immunopathol** 1981 Dec;21(3):407–11

Pathogenesis of an experimental meningeal leukemia model. Varakis JN, et al. **Clin Immunol Immunopathol** 1982 May; 23(2):400–7

The renin-angiotensin-aldosterone system, antidiuretic hormone and sympathetic nerve activity in an experimental model of congestive heart failure in the dog. Riegger AJ, et al. **Clin Sci** 1982 May;62(5):465–9

The adrenal medulla of the diabetic mouse (C57BL/KsJ, db/db): biochemical and morphological changes. Carson KA, et al. **Comp Biochem Physiol [A]** 1982;72(2):279–85

Fasting-induced torpor in Mus musculus and its implications in the use of murine models for human obesity studies. Webb GP, et al. **Comp Biochem Physiol [A]** 1982; 72(1):211–9

The guinea pig as a model for predicting photoallergic contact dermatitis. Jordan WP Jr. **Contact Dermatitis** 1982 Mar;8(2):109–16

Animal models for alcohol research. Altshuler HL. **Curr Alcohol** 1981;8:343–57 (104 ref.)

The effect of 'tissue-type' specific immunotherapy on colon cancer recurrence in a minimal residual disease model. Harte PJ, et al. **Curr Surg** 1982 Jan-Feb;39(1):21–3

Lymphocytic thyroiditis and diabetes in the BB/W rat. A new model of autoimmune endocrinopathy. Sternthal E, et al. **Diabetes** 1981 Dec;30(12):1058–61

The diabetic syndrome of the 'BB' Wistar rat: possible relevance to type 1 (insulin-dependent) diabetes in man. Marliss EB, et al. **Diabetologia** 1982 Apr;22(4):225–32 (44 ref.)

Long-term effects of intrahippocampal kainic acid injection in rats: a method for inducing spontaneous recurrent seizures. Cavalheiro EA, et al. **Electroencephalogr Clin Neurophysiol** 1982 Jun;53(6):581–9

A quantifiable bleeding gastric ulcer in dogs for assessing the neodymium Yag laser. MacLeod IA, et al. **Endoscopy** 1982 Jan;14(1):9–10

Use of viral infections in animal models to assess changes in the immune system. Kern ER. **Environ Health Perspect** 1982 Feb;43:71–9

Concerning the need for more sophisticated animal models in sensory behavioral toxicology. Stebbins WC. **Environ Health Perspect** 1982 Apr;44:77–85

Genetic determinants of virus susceptibility: epidemiologic implications of murine models. Brinton MA, et al. **Epidemiol Rev** 1981;3:115–39 (153 ref.)

An experimental approach to chemotherapy for occult metastases: a quantitative model. Speakman H, et al. **Eur J Cancer Clin Oncol** 1981 Dec;17(12):1287–93

Improvement of the splenectomized rat model for overwhelming pneumococcal infection. Standardization of the bacterial inocula. Alwmark A, et al. **Eur Surg Res** 1981; 13(5):339–43

The cotton rat as an experimental model of human parainfluenza virus type 3 disease. Murphy TF, et al. **Exp Lung Res** 1981 May;2(2):97–109

A new animal model for fetal macrosomia in diabetic pregnancy. Kim YS, et al. **Exp Mol Pathol** 1981 Dec; 35(3):388–93

D-penicillamine-induced neuromuscular disease in guinea pigs. McVicker JH, et al. **Exp Neurol** 1982 Apr;76(1):46–57

Evaluation of oral vaccination against mouse-typhoid in a new animal model. Werner GT, et al. **Experientia** 1981; 37(8):900–1

Experimental salpingitis in rabbits provoked by Chlamydia trachomatis. Patton DL, et al. **Fertil Steril** 1982 May; 37(5):691–700

Role of food in gastrointestinal ulceration produced by indomethacin in the rat. Satoh H, et al. **Gastroenterology** 1982 Jul;83(1 Pt 2):210–5

Feline leukemia virus nonproducer lymphosarcomas of cats as a model for the etiology of human leukemias. Hardy WD Jr, et al. **Hamatol Bluttransfus** 1981;26:492–4

Specific pathology of the stria vascularis in postnatal progressive genetic inner ear disorder. Anniko M. **Hear Res** 1982 Apr;6(3):247–58

Three recently described animal virus models for human hepatitis B virus. Summers J. **Hepatology** 1981 Mar–Apr; 1(2):179–83

Murine SLE models and autoimmune disease. Dixon FJ. **Hosp Pract** 1982 Mar;17(3):63–73

Demonstration of a humoral inhibitor of the Na+–K+ pump in some models of experimental hypertension. Pamnani M, et al. **Hypertension** 1981 Nov–Dec;3(6 Pt 2):II–96–101

Surgical reversal of two-kidney one clip hypertension during inhibition of the renin–angiotensin system. Russell GI, et al. **Hypertension** 1982 Jan–Feb;4(1):69–76

The secret of the immunopathogenesis of schistosomiasis: in vivo models. Warren KS. **Immunol Rev** 1982;61:189–213 (73 ref.)

Presbytis entellus as a new host for experimental Plasmodium knowlesi infection. Dutta GP, et al. **Indian J Med Res** 1981 Jan;73 Suppl:63–6

Experimental retrograde pyelonephritis and cystitis induced in rabbits by a group D Streptococcus sp.: serum antibody assay by a hemagglutination test. Desnottes JF, et al. **Infect Immun** 1981 Sep;33(3):647–50

Intestinal colonization of neonatal animals by Campylobacter fetus subsp. jejuni. Field LH, et al. **Infect Immun** 1981 Sep; 33(3):884–92

Experimental otitis media in gerbils and chinchillas with Streptococcus pneumoniae, Haemophilus influenzae, and other aerobic and anaerobic bacteria. Fulghum RS, et al. **Infect Immun** 1982 May;36(2):802–10

In vivo reactivation of herpes simplex virus in rabbit trigeminal ganglia: electrode model. Green MT, et al. **Infect Immun** 1981 Oct;34(1):69–74

Natural history of aortic valve endocarditis in rats. Héraïef E, et al. **Infect Immun** 1982 Jul;37(1):127–31

Congenital infection of mice with Japanese encephalitis virus. Mathur A, et al. **Infect Immun** 1981 Oct;34(1):26–9

Persistent infection with bovine herpesvirus type 1: rabbit model. Rock DL, et al. **Infect Immun** 1982 Jan;35(1):371–3

Experimental Campylobacter diarrhea in chickens. Ruiz-Palacios GM, et al. **Infect Immun** 1981 Oct; 34(1):250–5

Experimental cholera in germfree suckling mice. Shimamura T, et al. **Infect Immun** 1981 Oct;34(1):296–8

Kinetics of early cholera infection in the removable intestinal tie-adult rabbit diarrhea model. Spira WM, et al. **Infect Immun** 1982 Mar;35(3):952–7

Towards new animal models in obesity research. Mrosovsky N, et al. **Int J Obes** 1982;6(1):121–6

Fasciola hepatica: comparative studies on fascioliasis in rats and mice. Chapman CB, et al. **Int J Parasitol** 1982 Feb; 12(1):81–91

Prostate carcinoma of the Nb rat in relation to hormones. Noble RL. **Int Rev Exp Pathol** 1982;23:113–59 (94 ref.)

Age-dependent loss of accommodative amplitude in rhesus monkeys: an animal model for presbyopia. Bito LZ, et al. **Invest Ophthalmol Vis Sci** 1982 Jul;23(1):23–31

Ocular lesions associated with dissemination of type 2 herpes simplex virus from skin infection in newborn rabbits. Brick DC, et al. **Invest Ophthalmol Vis Sci** 1981 Nov;21(5):681–8

Analysis of neurological mutants with inherited retinal degeneration. Friedenwald lecture. LaVail MM. **Invest Ophthalmol Vis Sci** 1981 Nov;21(5):638–57 (86 ref.)

Intrarenal surgery. Animal model I. Russell JM, et al. **Invest Urol** 1981 Sep;19(2):123–5

A modified technique for producing ascites experimentally. Hashmonai M, et al. **Isr J Med Sci** 1982 May;18(5):655–7

Is the rabbit ear model, in its present state, prophetic of acnegenicity? Frank SB. **J Am Acad Dermatol** 1982 Mar; 6(3):373–7

Animal models as predictors of therapeutic efficacy in bacterial infections in humans. Brown DF. **J Antimicrob Chemother** 1981 Mar;7(3):213–5

Experimental scoliosis in primates: a neurological cause. Pincott JR, et al. **J Bone Joint Surg [Br]** 1982;64(4):503–7

Cardiac arrhythmias elicited by interaction between acute myocardial ischemia and sympathetic hyperactivity: a new experimental model for the study of antiarrhythmic drugs. Schwartz PJ, et al. **J Cardiovasc Pharmacol** 1981 Nov–Dec; 3(6):1251–9

Decreased adrenal responsiveness to angiotensin II: a defect present in spontaneously hypertensive rats. A possible model of human essential hypertension. Williams GH, et al. **J Clin Invest** 1982 Jan;69(1):31–7

Experimental myasthenia gravis is inhibited by receptor–antireceptor complexes. Barkas T, et al. **J Clin Lab Immunol** 1982 Apr;7(3):223–7

Anaplastic carcinoma in the buccal pouches of hamsters as a model of oral cancer. Meng CL, et al. **J Dermatol Surg Oncol** 1981 Dec;7(12):1011–7

The black mink (Mustela vison). A natural model of immunologic male infertility. Tung KS, et al. **J Exp Med** 1981 Oct 1;154(4):1016–32

Experimental Trichinella spiralis infection in the ferret, Mustela putorius furo. Campbell WC, et al. **J Helminthol** 1982 Mar;56(1):55–8

Fragilitas ossium: a new autosomal recessive mutation in the mouse. Guenet JL, et al. **J Hered** 1981 Nov–Dec; 72(6):440–1

Sphingomyelinosis, a new mutation in the mouse: a model of Niemann–Pick disease in humans. Miyawaki S, et al. **J Hered** 1982 Jul–Aug;73(4):257–63

Hereditary hypertrophic neuropathy in Tibetan Mastiff dogs. Sponenberg DP, et al. **J Hered** 1981 Jul–Aug;72(4):287

Experimental model of dysentery. Galikeyev KL, et al. **J Hyg Epidemiol Microbiol Immunol** 1982;26(1):37–43

Salmonella dublin infection of calves: use of small doses to simulate natural infection on the farm. Wray C, et al. **J Hyg (Lond)** 1981 Dec;87(3):501–9

Delayed hypersensitivity granuloma formation around Schistosoma mansoni eggs in vitro. I. Definition of the model. Doughty BL, et al. **J Immunol** 1982 Jan;128(1):30–6

Early effects of low-doses exposure to asbestos on local cellular immune responses in the lung. Rola-Pleszczynsl:i M, et al. **J Immunol** 1981 Dec;127(6):2535–8

Experimental infection with Giardia lamblia in rats. Craft JC. **J Infect Dis** 1982 Apr;145(4):495–8

A mouse model of dilated-type cardiomyopathy due to coxsackievirus B3. Reyes MP, et al. **J Infect Dis** 1981 Sep; 144(3):232–6

Experimental infection of rhesus monkeys with Lassa virus and a closely related arenavirus, Mozambique virus. Walker DH, et al. **J Infect Dis** 1982 Sep;146(3):360–8

Animal model of intracutaneous melanoma. Levine N, et al. **J Invest Dermatol** 1982 Mar;78(3):191–3

Experimental photoallergic contact dermatitis: a mouse model. Maguire HC Jr, et al. **J Invest Dermatol** 1982 Sep; 79(3):147–52

Animal models of intra-oral chemical carcinogenesis: a review. Eveson JW. **J Oral Pathol** 1981 Jun;10(3):129–46 (136 ref.)

Hamster tongue carcinogenesis II. Quantitative morphologic aspects of preneoplastic epithelium. Eveson JW, et al. **J Oral Pathol** 1981 Oct;10(5):332–41

Hamster tongue carcinogenesis. I. Characteristics of the experimental model. Eveson JW, et al. **J Oral Pathol** 1981 Oct;10(5):322–31

Snuff-induced lesions of the oral mucosa – an experimental model in the rat. Hirsch JM, et al. **J Oral Pathol** 1981 Oct;10(5):342–53

Visceral leishmaniasis in the squirrel monkey (Saimiri sciurea). Chapman WL Jr, et al. **J Parasitol** 1981 Oct; 67(5):740–1

Hepatic collagen synthesis in a rat model of cirrhosis, and its modification by colchicine. Tanner MS, et al. **J Pathol** 1981 Nov;135(3):179–87

Histometric analysis of ligature-induced periodontal defects in beagle dogs. Longitudinal evaluation following ligature removal. Jansen J, et al. **J Periodont Res** 1982 Mar; 17(2):202–9

Artificial periodontal defects around incisor teeth of beagle dogs. A clinical and histometrical analysis. Jansen J. **J Periodont Res** 1982 Mar;17(2):210–8

Experimental gingivitis in ODU plaque-susceptible rats. VI. Histopathological studies. Ohura K, et al. **J Periodontol** 1981 Dec;52(12):758–60

Influences of hypothermia, cold, and isolation stress on the severity of coronary artery ligation-induced arrhythmias in rats. Harris N, et al. **J Pharmacol Methods** 1982 Mar; 7(2):161–71

A rat model for predicting orthostatic hypotension during acute and chronic antihypertensive drug therapy. Humphrey SJ, et al. **J Pharmacol Methods** 1982 Jan; 7(1):25–34

Ascaris-induced allergic asthma in the conscious dog: a model for the pharmacologic modulation of immediate type hypersensitivity. Lewis AJ, et al. **J Pharmacol Methods** 1982 Jan;7(1):35–46

A semichronic diarrheal model. Mir GN, et al. **J Pharmacol Methods** 1982 Mar;7(2):115–20

Evaluation of drug effects in a new experimental model of angina pectoris in the intact anesthetized rat. Sakai K, et al. **J Pharmacol Methods** 1981 Jun;5(4):325–36

A simplified method for the quantification of renal artery occlusion in the production of renal hypertension. Vliet GV, et al. **J Pharmacol Methods** 1981 Jun;5(4):337–9

A large animal model of pseudomonas pneumonia. Patterson GA, et al. **J Surg Res** 1982 Sep;33(3):214–9

Experimental aortic coarctation in puppies. Tarkka M, et al. **J Surg Res** 1982 Sep;33(3):208–13

The rat as a model for human toxicological evaluation. Oser BL. **J Toxicol Environ Health** 1981 Oct;8(4):521–42

Experimental inhalation injury in the goat. Walker HL, et al. **J Trauma** 1981 Nov;21(11):962–4

Induction of chronic bacterial prostatitis in the dog. Barsanti J, et al. **J Urol** 1982 Jun;127(6):1215–9

Murine congenital polycystic kidney disease: a model for studying development of cystic disease. Preminger GM, et al. **J Urol** 1982 Mar;127(3):556–60

The Manx cat as an animal model for neurogenic vesical dysfunction associated with myelodysplasia: a preliminary report. Woodside JR, et al. **J Urol** 1982 Jan;127(1):180–3

Congenitally hypothyroid mice yield clues for man [news] McBride G. **JAMA** 1982 Apr 16;247(15):2077–8

Current status of predictive animal models for drug photoallergy and their correlation with drug photoallergy in humans. Harber LC, et al. **JNCI** 1982 Jul;69(1):237–44 (32 ref.)

Growth and characterization of childhood rhabdomyosarcomas as xenografts. Houghton JA, et al. **JNCI** 1982 Mar;68(3):437–43

Mechanism of hypercholesterolemia in arteriolipidosis-prone rats (ALR). Yamori Y, et al. **Jpn Circ J** 1981 Sep; 45(9):1068–73

Symptomatological classification in the development of stroke in stroke-prone spontaneously hypertensive rats. Yamori Y, et al. **Jpn Circ J** 1982 Mar;46(3):274–83

On the mechanism of diminished urinary carbon dioxide tension caused by amiloride. Hulter HN, et al. **Kidney Int** 1982 Jan;21(1):8–13

Logistics of tumor immunology. Kirchner H. **Klin Wochenschr** 1982 Jan 4;60(1):37–47

Experimental iron deficiency in the Syrian hamster (Mesocricetus auratus). Rennie JS, et al. **Lab Anim** 1982 Jan;16(1):14–6

Glycosylated hemoglobin in Mystromys albicaudatus: a diabetic animal model. Little RR, et al. **Lab Anim Sci** 1982 Feb;32(1):44–7

Experimentally-induced osteoarthritis in guinea pigs: effect of surgical procedure and dietary intake of vitamin C. Schwartz ER, et al. **Lab Anim Sci** 1981 Dec;31(6):683–7

New model of a synthetic adjuvant, N-acetylmuramyl-L-alanyl-D-isoglutamine- induced arthritis: clinical and histologic studies in athymic nude and euthymic rats. Kohashi O, et al. **Lab Invest** 1982 Jul; 47(1):27–36

Blood transfusion and tumour growth: evidence from laboratory animals [letter] Francis DM, et al. **Lancet** 1981 Oct 17;2(8251):871

Experimental study of laser photocoagulation in the treatment of bleeding canine gastric ulcers. Escourrou J, et al. **Lasers Surg Med** 1981;1(3):229–34

Hypercalcemia in association with a Leydig cell tumor in the rat: a model for tumor-induced hypercalcemia in man. Berger ME, et al. **Life Sci** 1982 May 3;30(18):1509–15

Further evidence validating adjuvant arthritis as an experimental model of chronic pain in the rat. Colpaert FC, et al. **Life Sci** 1982 Jul 5;31(1):67–75

The curly-tail mouse: an experimental model for human neural tube defects. Seller MJ, et al. **Life Sci** 1981 Oct 19;29(16):1607–15 (21 ref.)

Lysophosphatidylcholine acyltransferase activity during experimental cholelithiasis. Rutledge FA 2d, et al. **Lipids** 1981 Oct;16(10):714–20

Slow viral infections of animals: experimental models for human disease. Gudnadóttir M. **Med Biol** 1981 Apr; 59(2):77–84 (26 ref.)

Closed-chest myocardial ischaemia in dog. Birkui PJ, et al. **Med Prog Technol** 1981;8(3):121–7

Comparative leukemia: of mice and men. Pasqualini CD. **Medicina (B Aires)** 1981;41 Suppl:199–206

Osteopetro-rickets: a new congenital bone disorder. Milhaud G, et al. **Metab Bone Dis Relat Res** 1981;3(2):91–7

Evaluation of sodium acetate as a source of alkali therapy in an experimental aerobic model of lactic acidosis due to decreased pyruvate oxidation. Hamat RB, et al. **Metabolism** 1982 Jun;31(6):548–52

Experimental homocysteinemia in pigs: comparison with studies in sixteen homocystinuric patients. Reddy GS, et al. **Metabolism** 1982 Aug;31(8):778–83

Endothelial damage induced by polyethylene catheter in rat. Vilageliu J, et al. **Methods Find Exp Clin Pharmacol** 1981 Sep–Oct;3(5):279–81

Experimental models of atherosclerosis (the insudative theory). Virág S. **Methods Find Exp Clin Pharmacol** 1980 Apr;2(3):111–31 (223 ref.)

Value of experimental epilepsy models for clinical research. Majkowski J. **Monogr Neural Sci** 1981;5:1–13

Cross-species neural grafting in a rat model of Parkinson's disease. Björklund A, et al. **Nature** 1982 Aug 12; 298(5875):652–4

The Eker renal tumor rat. Tumor transplantability and a re-evaluation of tumor histology. Waynforth HB, et al. **Neoplasma** 1981;28(3):309–15

Immune complex nephritis in nude mice. Hagstrom GL, et al. **Nephron** 1981;29(1–2):95–8

Chronic serum sickness in the mouse. Relationship of antigen dose to glomerular pathology. McLeish KR, et al. **Nephron** 1982;31(1):82–8

Demyelination induced in mice by avirulent Semliki Forest virus. I. Virology and effects on optic nerve. Illavia SJ, et al. **Neuropathol Appl Neurobiol** 1982 Jan–Feb;8(1):35–42

Experimental modelling of hepatogenic encephalopathy. Mossakowski MJ. **Neuropatol Pol** 1981 Apr–Jun; 19(2):261–76

Dopamine receptors in a rat model of minimal brain dysfunction. Eisenberg J, et al. **Neuropsychobiology** 1982; 8(3):151–5

Experimental models of renal cystic disease. Resnick JS. **Nippon Jinzo Gakkai Shi** 1981 Jul;23(7):989–98

Development of oral HSV-1 infection model in mice. Evaluation of efficacy of 5'-amino-5-iodo-2',5'-dideoxyuridine. Park NH, et al. **Oral Surg** 1982 Mar;53(3):256–62

Adjuvant-induced arthritis in rats: a possible model of chronic pain [letter] Chudler EH, et al. **Pain** 1981 Dec; 11(3):407–8

Animal models of chronic pain: their possible validation from human experience with posterior rhizotomy and congenital

analgesia (Part I of the second John J. Bonica lecture). Sweet WH. **Pain** 1981 Jun;10(3):275–95 (69 ref.)

Experimental myocardial infarction in the rat as a quantitative model for the study of anti-ischemic interventions. Camilleri JP, et al. **Pathol Res Pract** 1981 Jul;172(1–2):42–52

Retrolental fibroplasia: evidence for a role of the prostaglandin cascade in the pathogenesis of oxygen-induced retinopathy in the newborn beagle. Flower RW, et al. **Pediatr Res** 1981 Sep;15(9):1293–1302

The chronically reserpinized rat as a model for cystic fibrosis: alterations in pancreatic enzyme secretion and storage. McCurdy RE, et al. **Pediatr Res** 1981 Sep;15(9):1308–13

A further parametric study of imipramine in an animal model of depression. Katz RJ, et al. **Pharmacol Biochem Behav** 1982 Jun;16(6):969–72

Animal model of depression: tests of three structurally and pharmacologically novel antidepressant compounds. Katz RJ, et al. **Pharmacol Biochem Behav** 1982 Jun;16(6):973–7

Further analysis of the specificity of a novel animal model of depression—effects of an antihistaminic, antipsychotic and anxiolytic compound. Katz RJ, et al. **Pharmacol Biochem Behav** 1982 Jun;16(6):979–82

Animal model of depression: pharmacological sensitivity of a hedonic deficit. Katz RJ. **Pharmacol Biochem Behav** 1982 Jun;16(6):965–8

Specificity of the learned helplessness model of depression. Sherman AD, et al. **Pharmacol Biochem Behav** 1982 Mar; 16(3):449–54

A rat model based on the histamine H2-receptor-activation-induced gastric pathology. Del Soldato P. **Pharmacol Res Commun** 1982 Feb;14(2):175–85

Experimental lymphedema [letter] Puckett CL. **Plast Reconstr Surg** 1982 May;69(5):900–1

Maternal environment and the expression of murine neural tube defects. Seller MJ, et al. **Prenatal Diagn** 1981 Apr; 1(2):103–5

The cytochrome P-450-depleted animal: an experimental model for in vivo studies in chemical biology. Drummond GS, et al. **Proc Natl Acad Sci USA** 1982 Apr;79(7):2384–8

Three mouse models of human thalassemia. Martinell J, et al. **Proc Natl Acad Sci USA** 1981 Aug;78(8):5056–60

Fetal alcohol syndrome. Varma SK, et al. **Prog Biochem Pharmacol** 1981;18:122–9 (36 ref.)

Animal models for the study of platelet–tumor cell interactions. Donati MB, et al. **Prog Clin Biol Res** 1982; 89:159–76

Symposium on 'the role of the gastro-intestinal tract in health and disease'. Conclusion remarks. Rerat AA. **Prog Clin Biol Res** 1981;77:925–33

Reversal of learned helplessness by nortriptyline. Telner JI, et al. **Prog Neuropsychopharmacol** 1981;5(5–6):587–90

Comparison of the R-3327H rat prostatic adenocarcinoma to human benign prostatic hyperplasia and metastatic carcinoma of the prostate with regard to steroid hormone receptors. Dahlberg E, et al. **Prostate** 1980;1(1):61–70

Immunologic aspects of the prostate. Lubaroff DM, et al. **Prostate** 1981;2(3):233–48

Experimental model of disseminated intravascular coagulation induced by sustained infusion of endotoxin. Yoshikawa T, et al. **Res Exp Med (Berl)** 1981;179(3):223–8

Development of a laboratory animal model for infectious bovine keratoconjunctivitis. Chandler RL, et al. **Res Vet Sci** 1982 Jan;32(1):128–30

Therapeutic efficacy of 29 antimicrobial regimens in experimental intraabdominal sepsis. Bartlett JG, et al. **Rev Infect Dis** 1981 May–Jun;3(3):535–42 (22 ref.)

The value of animal models for study of infection due to atypical mycobacteria. Meissner G. **Rev Infect Dis** 1981 Sep–Oct;3(5):953–9

Evaluation of antimicrobial agents in the rabbit model of endocarditis. Sande MA. **Rev Infect Dis** 1981 Nov–Dec;3 suppl:S240–9

A new breed of mouse showing multiple osteochondral lesions—twy mouse. Hosoda Y, et al. **Ryumachi** 1981;21 Suppl:157–64

A new model of experimental arthritis induced by an aqueous form of synthetic adjuvant in immunodeficient rate (SHR and nude rats). Kohashi O, et al. **Ryumachi** 1981;21 Suppl:149–56

Jumping chickens: relevance to hazard in humans [letter] Leng ML. **Science** 1982 Mar 12;215(4538):1421–2

Uveitis and arthritis: experimental models and clinical correlates. Rosenbaum JT, et al. **Semin Arthritis Rheum** 1982 May;11(4):383–9 (85 ref.)

Spontaneous rickets in the wild arctic fox Alopex lagopus. Ogden JA, et al. **Skeletal Radiol** 1981;7(1):43–54

An animal model of cerebral infarction. Homologous blood clot emboli in rats. Kudo M, et al. **Stroke** 1982 Jul–Aug; 13(4):505–8

Chronic vascular changes in the walls of experimental berry aneurysms of the aortic bifurcation in rabbits. Stehbens WE. **Stroke** 1981 Sep–Oct;12(5):643–7

Ventricular fibrillation in the cat: a model for global cerebral ischemia. Todd MM, et al. **Stroke** 1981 Nov–Dec; 12(6):808–15

Selective lenticulostriate occlusion in the primate. A highly focal cerebral ischemia model. Yonas H, et al. **Stroke** 1981 Sep–Oct;12(5):567–72

Stress-strain relationship and neurological sequelae of uniaxial elongation of the spinal cord of cats. Hung TK, et al. **Surg Neurol** 1981 Jun;15(6):471–6

Development of a transplantable model of pancreatic duct adenocarcinoma. Townsend CM Jr, et al. **Surgery** 1982 Jul; 92(1):72–8

The effects of phenytoin on rat development: an animal model system for fetal hydantoin syndrome. Lorente CA, et al. **Teratology** 1981 Oct;24(2):169–80

Hemoglobin glycosylation as a model for modification of other proteins. Stevens VJ, et al. **Tex Rep Biol Med** 1980–81;40:387–96 (41 ref.)

A model of malignant urinary bladder tumor in rabbits. Nemoto R, et al. **Tohoku J Exp Med** 1981 Jul;134(3):257–63

Experimental leprosy with Mycobacterium lepraemurium in hairless mice (Mus musculus). Packchanian A, et al. **Trans R Soc Trop Med Hyg** 1982;76(2):183–6

Cerebral malaria in inbred mice. I. A new model and its pathology. Rest JR. **Trans R Soc Trop Med Hyg** 1982; 76(3):410–5

Value of an animal model for trisomy. Gropp A. **Virchows Arch [Pathol Anat]** 1982;395(2):117–31 (54 ref.)

Laboratory data on the experimental transmission of Creutzfeldt—Jakob disease in the guinea pig. Drăgănescu N, et al. **Virologie** 1981 Jul–Sep;32(3):207–9

Studies on the mechanism of non-oliguric experimental acute renal failure. Appel GB, et al. **Yale J Biol Med** 1981 Jul–Aug;54(4):273–81

A new model of experimental amyloidosis? Wagner T, et al. **Z Rheumatol** 1981 Sep–Oct;40(5):234–5

The Sarcocystis muris–infection as a model for research on the chemotherapy of acute sarcocystosis of domestic animals. Rommel M, et al. **Zentral Bakteriol Mikrobiol Hyg [A]** 1981;250(1–2):268–76

[Methodology in establishing an animal model of lung carcinoma. I. Lung carcinoma induced by intratracheal instillation of 3-methylcholanthrene saline suspension (author's transl)] Tian HS, et al. **Chung Hua Chung Liu Tsa Chih** 1981 May;3(2):94–6 (Eng. Abstr.) (Chi)

[Experimental arrhythmic models in mice and the factors affecting them (author's transl)] Gao TL. **Chung Hua Hsin Hsueh Kuan Ping Tsa Chih** 1981 Sep; 9(3):223–7 (Eng. Abstr.) (Chi)

[Experimental rabbit model of myasthenia gravis produced with acetylcholine receptor of nicotinic type from the 'generating organ' of electric ray (author's transl)] Tu LH. **Chung Hua Shen Ching Ching Shen Ko Tsa Chih** 1981 Feb; 14(1):16–8 (Chi)

[Experimental model of focal myocardial ischemia in the conscious dog] Obelienius V, et al. **Cesk Fysiol** 1981; 30(5):431–6 (Cze)

[Animal models (author's transl)] van der Gulden WJ, et al. **Tijdschr Diergeneeskd** 1982 Jun 1;107(11):409–15 (Eng. Abstr.) (Dut)

[Experimental interstitial pulmonary fibrosis (author's transl)] Saunier C. **Bull Eur Physiopathol Respir** 1982 May Jun; 18(3):515–47 (262 ref.) (Fre)

[Gastric anaphylactic ulcer in the mastomys: a study of mechanisms involved in its onset and localization (author's transl)] André F, et al. **Gastroenterol Clin Biol** 1982 Feb; 6(2):170–6 (Eng. Abstr.) (Fre)

[Experimental uveoretinitis induced in monkeys by retinal S antigen. Induction, histopathology (author's transl)] Faure JP, et al. **J Fr Ophtalmol** 1981;4(6–7):465–72 (Eng. Abstr.) (Fre)

[Experimental arthrosis] Arlet J, et al. **Rev Rhum Mal Osteoartic** 1982 Feb;49(2):145–52 (53 ref.) (Fre)

[Animal models in lupus] Meyer O. **Rev Rhum Mal Osteoartic** 1981 Dec;48(12):817–25 (29 ref.) (Eng. Abstr.) (Fre)

[Animal experimentation. A method in the development of effective central nervous system drugs] **Arzneimittelforsch** 1981;Suppl 27:1–96 (Ger)

[Importance of animal experiments in pain research and development of pain-deadening drugs] Jurna I. **Arzneimittelforsch** 1981;Suppl 27:82–4 (Ger)

[Experimental induction of preleukemic myelopoietic dysplasias by dimethylbenz (a) anthrazene (DMBA). A rat model for investigation of human 'preleukemia' (author's transl)] Fohlmeister I, et al. **Pathol Res Pract** 1981 May; 171(3–4):389–410 (Eng. Abstr.) (Ger)

[[Spontaneous tumors of Tupaia. Medical aspects of a new experimental animal] Flügel RM. **Pharm Unserer Zeit** 1981 Jul;10(4):122–7 (Ger)

[An experimental animal model of aortic coarctation] Sedlařík K, et al. **Z Exp Chir** 1981;14(4):218–29 (Eng. Abstr.) (Ger)

[Breeding of spontaneously diabetic sand rats (Psammomys obesus) under laboratory conditions] Klöting I, et al. **Z Versuchstierkd** 1981;23(2):84–90 (Eng. Abstr.) (Ger)

[Experimental intrauterine surgery: the creation of a congenital diaphragmatic hernia in a sheep fetus] Rossotto P, et al. **Minerva Med** 1982 Jun 30;73(27):1859–69 (Eng. Abstr.) (Ita)

[An inhalation apparatus for respiratory infections in small laboratory animals (author's transl)] Nakagawa M, et al. **Jikken Dobutsu** 1981 Apr;30(2):145–9 (Eng. Abstr.) (Jpn)

[Animal disease models of labyrinth diseases] Nakai Y. **Jikken Dobutsu** 1982 Jan;31(1):61–8 (18 ref.) (Jpn)

[Suncus (Suncus murinus) and cancer research] Oda S. **Jikken Dobutsu** 1981 Jul;30(3):358–9 (Jpn)

[Idiopathic neurologic diseases in dogs and cats in Japan from the viewpoint of animal models of human disease (author's transl)] Tokuriki M, et al. **Jikken Dobutsu** 1981 Jul; 30(3):233–40 (Eng. Abstr.) (Jpn)

[Animal models for a deficiency of myelin formation of the central nervous system] Tsuji S. **Jikken Dobutsu** 1981 Jul; 30(3):353–8 (18 ref.) (Jpn)

[A new model of experimental hydrocephalus (Part I)—its preparation and histological findings (author's transl)] Kanno T, et al. **Neurol Med Chir (Tokyo)** 1981 May; 21(5):517–20 (Eng. Abstr.) (Jpn)

[A new model of experimental hydrocephalus (part II) –Results of experiments to determine its causal genesis (author's transl)] Kanno T, et al. **Neurol Med Chir (Tokyo)** 1981 Dec;21(12):1215–8 (Eng. Abstr.) (Jpn)

[Studies on the effect of protamine on the aminonucleoside nephropathy in rats—a trial to produce an experimental focal glomerular sclerosis (author's transl)] Saito T, et al. **Nippon Jinzo Gakkai Shi** 1981 Oct;23(10):1281–92 (Eng. Abstr.) (Jpn)

[Experimental models of lung diseases pulmonary fibrosis (idiopathic interstitial pneumonia) (author's transl)] Homma Y. **Nippon Kyobu Shikkan Gakkai Zasshi** 1981 Nov; 19(11):813–9 (Eng. Abstr.) (Jpn)

[Animal model of lung diseases—bronchial asthma (author's transl)] Mue S. **Nippon Kyobu Shikkan Gakkai Zasshi** 1981 Nov;19(11):802–6 (Eng. Abstr.) (Jpn)

[Animal model of non-A, non-B hepatitis infection] Karasawa T, et al. **Nippon Rinsho** 1981 Oct;39(10):3190–200 (26 ref.) (Jpn)

[A new model of epilepsy—a small epileptic focus by microinjection of kainic acid into the unilateral hippocampus in cats (author's transl)] Kaijima M, et al. **No To Shinkei** 1981 Nov;33(11):1133–40 (Eng. Abstr.) (Jpn)

[Animal model of rheumatism (author's transl)] Koizumi F. **Ryumachi** 1980 Nov;20(5):371–82 (106 ref.) (Jpn)

[Cartilage matrix deficiency: a new genetic disorder in the mouse and related subjects (author's transl)] Kimata K. **Seikagaku** 1982;54(3):162–8 (42 ref.) (Jpn)

[Analbuminemic rats (NAR) (author's transl)] Nagase S. **Seikagaku** 1981;53(10):1169–74 (11 ref.) (Jpn)

[Standardization of an experimental model of arterial hypertension capable of inducing cardiac hypertrophy] Bregagnollo EA, et al. **Arq Bras Cardiol** 1981 Feb; 36(2):91–4 (Eng. Abstr.) (Por)

[Transplantation of a 2d heart into the chest cavity in modelling acute heart failure of the recipient] Minchenko BI. **Anesteziol Reanimatol** 1981 Nov–Dec;(6):45–8 (Eng. Abstr.) (Rus)

[Staphylococcal necrotic suppurative encephalomeningitis in mice as a chemotherapeutic model] Shipilova LD, et al. **Antibiotiki** 1982 May;27(5):353–6 (Eng. Abstr.) (Rus)

[Experimental model of respiratory mycoplasmosis] Tsinzerling VA, et al. **Arkh Patol** 1981;43(5):95 (Rus)

[Experimental autoimmune glomerulonephritis replicated in several generations of immunized animals] Vikhert AM, et al. **Arkh Patol** 1981;43(11):19–25 (Eng. Abstr.) (Rus)

[Model of destructive tuberculosis in guinea pigs] Khomenko AG, et al. **Biull Eksp Biol Med** 1981 Nov;92(11):627–9 (Eng. Abstr.) (Rus)

[Experimental models of arterial hypertension and current concepts of the pathogenesis of hypertension] Gurevich MI. **Fiziol Zh** 1981 Sep–Oct;27(5):595–602 (35 ref.) (Eng. Abstr.) (Rus)

[Experimental creation of a defect in the interatrial septum] Chashchevoĭ VK. **Klin Khir** 1981 Jul;(7):37–40 (Eng. Abstr.) (Rus)

[Comparative neurophysiologic characteristics of cold and caudate tremor] Lupandin IuV. **Neirofiziologiia** 1981; 13(3):257–63 (Eng. Abstr.) (Rus)

[Corneal dielectric parameters of rabbits normally and in modelled viral keratitis] Trinchuk VV, et al. **Oftalmol Zh** 1981;36(3):177–8 (Eng. Abstr.) (Rus)

[Modeling myocardial infarct by applying dimethyl sulfoxide to the anterior surface of the heart] Kogan AKh, et al. **Patol Fiziol Eksp Ter** 1981 Sep–Oct;(5):71–4 (Rus)

[Modeling premature ventricular excitation (WPW syndrome) in a chronic experiment] Safonov IuD, et al. **Patol Fiziol Eksp Ter** 1981 Sep–Oct;(5):14–7 (Eng. Abstr.) (Rus)

[Experimental modeling of a measured amount of closed trauma to the heart] Slabyĭ BG. **Patol Fiziol Eksp Ter** 1981 Sep–Oct;(5):68–9 (Rus)

[Experimental models of human congenital coagulation defects] Kaše F. **Probl Gematol Pereliv Krovi** 1981 Nov; 26(11):41–4 (32 ref.) (Rus)

[Cavern morphology and the dynamics of the bacterial population in different variants of an experimental model of cavernous pulmonary tuberculosis] Khomenko AG, et al. **Probl Tuberk** 1982;(1):53–8 (Eng. Abstr.) (Rus)

[Model of combined radiation and thermal injury in experiments on cats] Khrebtovich VN. **Radiobiologiia** 1981 May–Jun;21(3):441–3 (Rus)

[Model of chronic local irradiation. 1. The focus of the radiation injury] Sataev MM. **Radiobiologiia** 1981 May–Jun; 21(3):395–400 (Eng. Abstr.) (Rus)

[Experimental modeling of retroperitoneal fibrosis] Mikhallov SKh, et al. **Urol Nefrol (Mosk)** 1981;(5):49–52 (Eng. Abstr.) (Rus)

[New data on the pathogenesis of the stereotyped behavior syndrome and the development of approaches to its

complex specific pathogenetic therapy] Aliev MN. **Vestn Akad Med Nauk SSSR** 1981;(6):60–2 (Eng. Abstr.) **(Rus)**

[Modeling various forms of human brain pathology] Kryzhanovskiĭ GN. **Vestn Akad Med Nauk SSSR** 1982;(1):9–15 (Eng. Abstr.) **(Rus)**

[Role of social and biological factors in pathology, and role of experimental disease models in animals] Sukmanskiĭ OI. **Vestn Akad Med Nauk SSSR** 1982;(4):17–21 **(Rus)**

[Staphylococcal syndrome of burned skin: the isolation of II-phage group Staphylococcus aureus and the experimental reproduction of the syndrome] Baliavichene GR. **Vestn Dermatol Venerol** 1981 May;(5):8–12 (Eng. Abstr.) **(Rus)**

[Experimental syphilis in white mice infected with different strains of Treponema pallidum] Ivlieva MS. **Vestn Dermatol Venerol** 1981;(10):20–5 (Eng. Abstr.) **(Rus)**

[Experimental reproduction of food anaphylaxis] Shaternikov VA, et al. **Vopr Pitan** 1982 Mar–Apr;(2):27–31 (Eng. Abstr.) **(Rus)**

[Modelling of a chronic infection in a cell culture of the brain of suckling Syrian hamsters due to viruses of the tick-borne encephalitis complex] Lebedeva GA, et al. **Vopr Virusol** 1981 Nov–Dec;(6):731–5 (Eng. Abstr.) **(Rus)**

[Experiment in infecting the green monkey Cercopithecus aethiops with a leukocyte virus isolated in hepatitis A] Ugriumov EP, et al. **Vopr Virusol** 1982 Mar–Apr; 27(2):190–2 (Eng. Abstr.) **(Rus)**

[Possible ways of modeling latent influenzae infection in mice] Zuev VA, et al. **Vopr Virusol** 1981 May–Jun; (3):280–5 (Eng. Abstr.) **(Rus)**

[Acute experimental ornithosis pneumonia] Kuz'menko VP, et al. **Vrach Delo** 1982 Jun;(6):109–11 (Eng. Abstr.) **(Rus)**

[Experimental latent tularemia in common voles] Shlygina KN, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1982 Apr; (4):101–4 (Eng. Abstr.) **(Rus)**

[Acute experimental (endogenous) hepatic coma and the clinical syndrome of acute hepatocellular injury] Ignatovski B, et al. **Acta Chir Iugosl** 1981;28(2):193–201 (Eng. Abstr.) **(Scr)**

[Induction of experimental porphyria by hexachlorobenzene in rats] Enríquez de Salamanca R, et al. **Rev Esp Enferm Apar Dig** 1982 Jul;62(1):1–14 (Eng. Abstr.) **(Spa)**

[States of health and disease: a statistical model to discriminate between them (author's transl)] Silva H, et al. **Rev Med Chil** 1981 Nov;109(11):1089–97 (Eng. Abstr.) **(Spa)**

ETIOLOGY

Murine models of multiple sclerosis [news] Doherty P, et al. **Nature** 1982 Sep 9;299(5879):106–7

IMMUNOLOGY

[New animal models for autoimmune diseases; BXSB, MRL/l, MRL/n mice] **Jikken Dobutsu** 1981 Apr; 30(2):161–8 (29 ref.) **(Jpn)**

DISEASE OUTBREAKS

see related
SPACE-TIME CLUSTERING

R-plasmid study of an outbreak caused by multiresistant strains of Salmonella panama. Lantos J, et al. **Acta Med Acad Sci Hung** 1981;38(3):211–7

Pontiac fever: isolation of the etiologic agent (Legionella pneumophilia) and demonstration of its mode of transmission. Kaufmann AF, et al. **Am J Epidemiol** 1981 Sep;114(3):337–47

A virologically studied epidemic of type A hepatitis in a school for the mentally retarded. Nikolić P, et al. **Am J Epidemiol** 1981 Aug;114(2):260–6

Norwalk-related viral gastroenteritis due to contaminated drinking water. Taylor JW, et al. **Am J Epidemiol** 1981 Oct;114(4):584–92

An outbreak of pyomyositis in a large refugee camp in Thailand. Fanney D, et al. **Am J Trop Med Hyg** 1982 Jan; 31(1):131–5

Epidemic polyarthritis (Ross River) virus infection in the Cook Islands. Rosen L, et al. **Am J Trop Med Hyg** 1981 Nov;30(6):1294–302

Characterization of Toxoplasma gondii isolates from an outbreak of toxoplasmosis in Atlanta, Georgia. Dubey JP, et al. **Am J Vet Res** 1981 Jun;42(6):1007–10

Vibrio infections in Singapore. Goh KT, et al. **Ann Acad Med Singapore** 1981 Jan;10(1):2–10

Epidemiological studies of Hepatitis A in Singapore. Goh KT. **Ann Acad Med Singapore** 1981 Jan;10(1):25–33

An outbreak of Pneumocystis carinii pneumonia in homosexual men. Follansbee SE, et al. **Ann Intern Med** 1982 Jun;96(6 Pt 1):705–13

Epidemiology of Norwalk gastroenteritis and the role of Norwalk virus in outbreaks of acute nonbacterial gastroenteritis. Kaplan JE, et al. **Ann Intern Med** 1982 Jun; 96(6 Pt 1):756–61

Isolation of Yersinia enterocolitica from children during an outbreak of enteritis. Giraldi V, et al. **Ann Ist Super Sanita** 1981;17(2):163–9

Epidemic infections in surgical patients. Garner JS, et al. **AORN J** 1981 Oct;34(4):700–24

Erythema nodosum in an epidemic of histoplasmosis in Indianapolis. Ozols II, et al. **Arch Dermatol** 1981 Nov; 117(11):709–12

Virological diagnosis of enterovirus type 71 infections: experiences gained during an epidemic of acute CNS diseases in Hungary in 1978. Nagy G, et al. **Arch Virol** 1982;71(3):217–27

Ophthalmological study of epidemic dropsy. Rathore MK. **Br J Ophthalmol** 1982 Sep;66(9):573–5

Re-emergence of bullous impetigo [letter] Placzek M. **Br Med J [Clin Res]** 1982 Jan 23;284(6311):272

Outbreak of rotavirus gastroenteritis among premature infants. Rochi GU, et al. **Br Med J [Clin Res]** 1981 Oct 3;283(6296):886

A tsetse survey of Luuka and Kigulu counties of South Busoga District, Uganda, during an outbreak of African sleeping sickness. Kutuza SB, et al. **Bull Anim Health Prod Afr** 1981 Mar;29(1):55–8

Investigation of a typhoid outbreak on Dominica. Fortune RA. **Bull Pan Am Health Organ** 1981;15(4):311–7

Epidemic Oropouche virus disease in northern Brazil. LeDuc JW, et al. **Bull Pan Am Health Organ** 1981;15(2):97–103

The epidemic of acquired immune dysfunction in homosexual men and its sequelae—opportunistic infections, Kaposi's sarcoma, and other malignancies: an update and interpretation. Levine AS. **Cancer Treat Rep** 1982 Jun; 66(6):1391–5

Influenza vaccine effectiveness: Two epidemiological studies, 1980–1981 outbreak. Chotkowski LA, et al. **Conn Med** 1981 Dec;45(12):773

An outbreak due to multiple drug resistant Serratia marcescens in a children's hospital. Chakravarti A, et al. **Indian J Med Res** 1981 Aug;74:196–201

Investigation of the 1975 dengue epidemic in Amalner town of Maharashtra. Rao GL, et al. **Indian J Med Res** 1981 Aug;74:156–63

Studies on an outbreak of conjunctivitis in Bombay during 1979. Gogate SS, et al. **Indian J Pathol Microbiol** 1981 Oct;24(4):257–9

An epidemiological survey during an outbreak of cholera in Indore city. Parekh P, et al. **Indian Pediatr** 1981 Sep; 18(9):637–41

Molecular epidemiology of adenoviruses: alternating appearance of two different genome types of adenovirus 7 during epidemic outbreaks in Europe from 1958 to 1980. Wadell G, et al. **Infect Immun** 1981 Nov;34(2):368–77

Methods for the measurement of epidemic velocity from time-series data. Cliff A, et al. **Int J Epidemiol** 1982 Mar; 11(1):82–9

The significance of cholera outbreak in the prognosis of pregnancy. Ayangade O. **Int J Gynaecol Obstet** 1981 Oct; 19(5):403–7

Natural history of an acute glomerulonephritis epidemic in children. An 11- to 12-year follow-up. Drachman R, et al. **Isr J Med Sci** 1982 May;18(5):603–7

A new serotype of calicivirus associated with an outbreak of gastroenteritis in a residential home for the elderly. Cubitt WD, et al. **J Clin Pathol** 1981 Aug;34(8):924–6

Genome analysis of influenza A virus strains isolated during an epidemic of 1979–1980. Ghendon Y, et al. **J Gen Virol** 1981 Oct;56(Pt 2):303–13

Nosocomial gentamicin- and multiply-resistant enterobacteria at one hospital. I. Description of an outbreak. Hart CA. **J Hosp Infect** 1982 Mar;3(1):15–28

Discrimination between multiply-resistant klebsiella strains during a hospital outbreak: use of klebecin-typing and a screening test for plasmids. Hughes VM, et al. **J Hosp Infect** 1981 Mar;2(1):45–54

Serratia cross-infection in an intensive therapy unit. Mutton KJ, et al. **J Hosp Infect** 1981 Mar;2(1):85–91

Mixed respiratory viral infections during influenza A epidemics. Subi KK, et al. **J Hyg Epidemiol Microbiol Immunol** 1981;25(3):270–6

An outbreak of infectious hepatitis investigated using radioimmunoassays for hepatitis A virus antibody. Skidmore SJ, et al. **J Hyg (Lond)** 1982 Apr;88(2):351–4

An outbreak of gastroenteritis caused by both rotavirus and Shigella sonnei in a private school in Rio de Janeiro. Sutmoller F, et al. **J Hyg (Lond)** 1982 Apr;88(2):285–93

Cryptic epidemic of Q fever in a medical school. Meiklejohn G, et al. **J Infect Dis** 1981 Aug;144(2):107–13

Botulism from acidic food: first cases of botulinic paralysis in Puerto Rico. Rigau-Pérez JG, et al. **J Infect Dis** 1982 May;145(5):783–5

Astrovirus-associated epidemic gastroenteritis in Japan. Konno T, et al. **J Med Virol** 1982;9(1):11–7

The multiple personality epidemic. Additional cases and inferences regarding diagnosis, etiology, dynamics, and treatment. Boor M. **J Nerv Ment Dis** 1982 May; 170(5):302–4

Manifestations of Kawasaki disease in New England outbreak of 1980. Meade RH 3d, et al. **J Pediatr** 1982 Apr; 100(4):558–62

Efficacy of short course antibiotic prophylaxis in controlling cholera in contacts during epidemic. Khan MU. **J Trop Med Hyg** 1982 Feb;85(1):27–9

Outbreak of multiple drug-resistant Salmonella Havana originating in pediatric wards of two hospitals in Shiraz, Iran - In vitro susceptibility patterns. Makarem EH. **J Trop Pediatr** 1982 Feb;28(1):14–9

Pseudomonas maltophilia bacteremia in children undergoing open heart surgery. Fisher MC, et al. **JAMA** 1981 Oct 2;246(14):1571–4

Cranial nerve paralyses associated with acute haemorrhagic conjunctivitis [letter] **Lancet** 1981 Sep 12;2(8246):584

Leptospirosis in trout farmers. Robertson MH, et al. **Lancet** 1981 Sep 19;2(8247):626–7

Outbreak of aplastic crises in sickle cell anaemia associated with parvovirus-like agent. Serjeant GR, et al. **Lancet** 1981 Sep 19;2(8247):595–7

Epidemic polyarthritis in northeastern Australia, 1978–1979. Aaskov JG, et al. **Med J Aust** 1981 Jul 11;2(1):17–9

Neonatal listeriosis: a summer outbreak. Niels le Souëf P, et al. **Med J Aust** 1981 Aug 22;2(4):188–91

Measles epidemic [letter] Roche JB. **Med J Aust** 1981 Oct 17;2(8):389

Measles or rubella? [letter] Roche JV. **Med J Aust** 1982 Jun 12;1(12):494–5

Entomological aspects of endemic dengue fever in Sarawak 1973 - 1980. Chang MS, et al. **Med J Malaysia** 1981 Jun; 36(2):79–82

Disease outbreaks in the military community. Hooper RR. **Milit Med** 1981 Dec;146(12):859–62

Poliomyelitis—Jamaica. **MMWR** 1982 Jun 11;31(22):304

Acute hemorrhagic conjunctivitis—Florida, North Carolina. **MMWR** 1981 Oct 16;30(40):501–2

Acute hemorrhagic conjunctivitis—Panama and Belize, 1981. **MMWR** 1981 Oct 9;30(39):497–500

Follow-up on epidemic pneumonia with progression to neuromuscular illness—Spain. **MMWR** 1982 Mar 5; 31(8):93–5

Rubella outbreak among foreign-exchange students - Tennessee. **MMWR** 1982 Mar 5;31(8):104–5

Kaposi's sarcoma: an oncologic looking glass [news] Groopman JE, et al. **Nature** 1982 Sep 9;299(5879):103–4

Organophosphate poisoning. Vince JD, et al. **Papua New Guinea Med J** 1981 Jun;24(2):80–4

Epidemic faintness: a psychophysiological investigation. Boulougouris JC, et al. **Psychiatr Clin (Basel)** 1981; 14(4):215–25

Foodborne illness associated with niacin: report of an outbreak linked to excessive niacin in enriched cornmeal. Bartlett PC, et al. **Public Health Rep** 1982 May-Jun; 97(3):258–60

An outbreak of Nocardia asteroides infection in a renal transplant unit. Lovett IS, et al. **Q J Med** 1981 Spring; 50(198):123–35

Sleeping sickness epidemic in Busoga, Uganda. Gashumba JK, et al. **Trop Doct** 1981 Oct;11(4):175–8

Measles and measles vaccination in isolated Amerindian tribes. II. The 1978/79 Xingu epidemic. Baruzzi RG, et al. **Trop Geogr Med** 1982 Mar;34(1):7–12

Epidemiologic pattern of diarrhoea caused by non-agglutinating vibrios (NAG) and EF-6 organisms in Dacca. Khan MU, et al. **Trop Geogr Med** 1982 Mar; 34(1):19–27

Measles and measles vaccine isolated amerindian tribes. I. The 1971 Trio ((Tiriyo) epidemic. van Mazijk J, et al. **Trop Geogr Med** 1982 Mar;34(1):3–6

[Clinical picture of tularemia contracted through the alimentary tract in older age individuals (author's transl)] Černý Z, et al. **Cas Lek Cesk** 1982 Feb 12;121(6):170–5 (Eng. Abstr.) **(Cze)**

[Norwalk-like viruses as probable etiological agents in the epidemic of non-bacterial gastroenteritis (author's transl)] Bručková M, et al. **Cesk Epidemiol Mikrobiol Imunol** 1982 Mar;31(2):67–72 (Eng. Abstr.) **(Cze)**

[Epidemic of influenza of two kinds in North-Bohemian Region in the year 1980 (author's transl)] Kašová V, et al. **Cesk Epidemiol Mikrobiol Imunol** 1982 May; 31(3):135–43 (Eng. Abstr.) **(Cze)**

[Epidemiological observation of the occurrence of mumps in the groups of children (author's transl)] Sejda J, et al. **Cesk Epidemiol Mikrobiol Imunol** 1982 Mar;31(2):104–16 (Eng. Abstr.) **(Cze)**

[Epidemic exanthematous disease in a neonatal ward] Filtenborg JA, et al. **Ugeskr Laeger** 1981;143(34):2133–7 (Eng. Abstr.) **(Dan)**

[Necrotizing enterocolitis. A study of forty-six cases seen in a maternity hospital (author's transl)] Lebrun F, et al. **Ann Pediatr (Paris)** 1982 Feb;29(2):87–93 (Eng. Abstr.) **(Fre)**

[Dengue outbreak by virus type 4 in French Polynesia. I. General epidemiology - clinical specific aspects (author's transl)] Parc F, et al. **Med Trop (Mars)** 1981 Jan-Feb; 41(1):93–6 (Eng. Abstr.) **(Fre)**

[South-East Asian arboviruses (author's transl)] Rodhain F. **Med Trop (Mars)** 1981 Jan-Feb;41(1):63–71 (Eng. Abstr.) **(Fre)**

[Retrospective studies on the course of a Salmonella typhimurium-induced disease in 2 areas of the Karl Marx Stadt district] Kretschmer E, et al. **Z Arztl Fortbild (Jena)** 1981 Apr 15;75(8):389–91 **(Ger)**

[Studies on relationship between Staphylococcus aureus inhabiting human and staphylococcal food poisoning. 3. The outbreaks of food poisoning due to rice ball contaminated with staphylococci inhabiting human (author's transl)] Goto K. **Kansenshogaku Zasshi** 1981 Nov; 55(11):812–8 (Eng. Abstr.) **(Jpn)**

[Evaluation of rimantadine effectiveness during influenza A2-Texas epidemic in 1979–1980] Romanov IuA, et al. **Klin Med (Mosk)** 1981 Feb;59(2):112–4 (Eng. Abstr.) **(Rus)**

[Group outbreak of trichinosis in the Perm Oblast] Lyskovtsev MM, et al. **Med Parazitol (Mosk)** 1981 Sep–Oct;50(5):48–50 **(Rus)**

[Treatment with Vermox of trichinosis from natural strains in Sakhalin] Morenets TM, et al. **Med Parazitol (Mosk)** 1981 Sep–Oct;50(5):43–8 **(Rus)**

[Organization of the work of a temporary isolator in the medical unit during an influenza outbreak] Zosimenko II, et al. **Voen Med Zh** 1982 Jan;(1):67–8 **(Rus)**

[Changes in the indices of the immunogenic activity of influenza A/Hong Kong virus in the 1969–1980 epidemics] Taros Llu, et al. **Vopr Virusol** 1981 Nov–Dec;(6):664–7 (Eng. Abstr.) **(Rus)**

[Characteristics of the cholera vibrios circulating in the 7th pandemic in different territories] Arutiunov IuI, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1982 Mar;(3):52–4 (Eng. Abstr.) **(Rus)**

[An epidemic of serous meningitis and febrile conditions caused by echovirus type 30] Jelić O, et al. **Acta Med Iugosl** 1982;36(1):11–22 (Eng. Abstr.) **(Scr)**

[Acute gastroenteritis epidemic in adults caused by rotaviruses] Krstić L, et al. **Vojnosanit Pregl** 1982 Mar–Apr; 39(2):88–90 **(Scr)**

[Rotaviruses as a cause of an epidemic of acute gastroenteritis] Krstić L, et al. **Vojnosanit Pregl** 1981 Sep–Oct;38(5):381–2 **(Scr)**

[An epidemic of Q–fever in a cotton–processing plant (author's transl)] Kazár J, et al. **Cesk Epidemiol Mikrobiol Imunol** 1982 May;31(3):144–51 (Eng. Abstr.) **(Slo)**

[Mass outbreak of giardiasis in an infant institution] Skračiková J, et al. **Cesk Pediatr** 1981 Jun;36(6):331–2 (Eng. Abstr.) **(Slo)**

[Apropos of a study of 4 outbreaks of botulism in Portugal] Malhado JA, et al. **Rev Clin Esp** 1982 Feb 15;164(3):173–7 (Eng. Abstr.) **(Spa)**

[Dysentery outbreak caused by Shigella sonnei in a children's day care center during the month of November] García Herruzo J, et al. **Rev Sanid Hig Publica (Madr)** 1979 Nov–Dec;53(11–12):1631–7 (Eng. Abstr.) **(Spa)**

[Influenza activity in Madrid. Epidemiologic season 1978–79] López Galindez C, et al. **Rev Sanid Hig Publica (Madr)** 1979 Sep–Oct;53(9–10):1407–17 (Eng. Abstr.) **(Spa)**

[Outbreak of macular hyperpigmentation caused by photosensitivity] Zorrilla E, et al. **Salud Publica Mex** 1982 Jan–Feb;24(1):33–8 (Eng. Abstr.) **(Spa)**

COMPLICATIONS

Altered theophylline clearance during an influenza B outbreak. Kraemer MJ, et al. **Pediatrics** 1982 Apr; 69(4):476–80

ETIOLOGY

Norwalk virus gastroenteritis following raw oyster consumption. Gunn RA, et al. **Am J Epidemiol** 1982 Mar; 115(3):348–51

Methicillin–resistant Staphylococcus aureus. Epidemiologic observations during a community–acquired outbreak. Saravolatz LD, et al. **Ann Intern Med** 1982 Jan;96(1):11–6

Epidemic nosocomial meningitis due to Citrobacter diversus in neonates. Graham DR, et al. **J Infect Dis** 1981 Sep; 144(3):203–9

Rash illness associated with gypsy moth caterpillars—Pennsylvania. **MMWR** 1982 Apr 9; 31(13):169–70

Humidifier fever. Edwards JH. **R Soc Health J** 1982 Feb; 102(1):7–8

[Intrahospital infection caused by Klebsiella pneumoniae in an outbreak of sepsis in newborn infants] Guerrero O, et al. **Rev Chil Pediatr** 1981 Jul–Aug;52(4):306–13 (Eng. Abstr.) **(Spa)**

HISTORY

George Mellis Douglas: typhus and tragedy. Swinton WE. **Can Med Assoc J** 1981 Dec 1;125(11):1284–6

Hawaiians and medicine. Mills GH. **Hawaii Med J** 1981 Oct; 40(10):272–6

Cholera at the Harvey. Weissmann G. **Hosp Pract** 1982 Feb; 17(2):129–31, 135–6

The Broad Street pump revisited. Smith CE. **Int J Epidemiol** 1982 Jun;11(2):99–100

The English Sweating sickness (sudor Anglicus): a reappraisal. Wylie JA, et al. **J Hist Med Allied Sci** 1981 Oct;36(4):425–45

State church charity and smallpox: an epidemic crisis in the City of Mexico 1797–98. Price R. **J R Soc Med** 1982 May; 75(5):356–7

The Oxford Board of Health 1831–1833. Parfit J. **Public Health** 1982 Jan;96(1):25–30

[Epidemic history of central Mexico in the 16th century. A model for today's world–wide epidemic situation?] Prem HJ. **Fortschr Med** 1981 Sep 24;99(36):1421–2 **(Ger)**

[The influenza epidemic of 1918/1919 in the Swiss army] Nussbaum W. **Gesnerus** 1982;39(2):243–59 (Eng. Abstr.) **(Ger)**

[The plague epidemic of Pécs in 1713] Nagy L. **Orv Hetil** 1981 Oct 4;122(40):2488–90 **(Hun)**

[Medical literature on cholera epidemic on Polish soil during the November Uprising] Chojna JW. **Arch Hist Med (Warsz)** 1981;44(2):143–55 (Eng. Abstr.) **(Pol)**

[Tuberculosis mortality in Lancut and environs 1786–1970. Study of the epidemic] Szpunar W. **Pneumonol Pol** 1981 Jul;49(7):527–35 (Eng. Abstr.) **(Pol)**

[Epidemic consequences of the temporary fascist occupation of the Ukrainian SSR and the measures for their elimination] Siniak KM. **Zh Mikrobiol Epidemiol Immunobiol** 1982 May;(5):11–4 **(Rus)**

[Cholera in the history of Novi Sad] Jovin S. **Med Pregl** 1981;34(7–8):349–54 **(Scc)**

OCCURRENCE

'A study of excess mortality during influenza epidemics in the United States, 1968–1976'. Barker WH, et al. **Am J Epidemiol** 1982 Mar;115(3):479–80

Norwalk gastrointestinal illness: an outbreak associated with swimming in a recreational lake and secondary person–to–person transmission. Baron RC, et al. **Am J Epidemiol** 1982 Feb;115(2):163–72

An outbreak of salmonellosis involving multiple vehicles. Blaser MJ, et al. **Am J Epidemiol** 1981 Nov;114(5):663–70

Influenzavirus infections in Seattle families, 1975–1979. II. Pattern of infection in invaded households and relation of age and prior antibody to occurrence of infection and related illness. Fox JP, et al. **Am J Epidemiol** 1982 Aug; 116(2):228–42

Influenzavirus infections in Seattle families, 1975–1979. I. Study design, methods and the occurrence of infections by time and age. Fox JP, et al. **Am J Epidemiol** 1982 Aug; 116(2):212–27

Norwalk virus enteric illness acquired by swimming exposure. Koopman JS, et al. **Am J Epidemiol** 1982 Feb; 115(2):173–7

Laboratory diagnosis in a large outbreak of type A botulism: confirmation of the value of coproexamination. Mann JM, et al. **Am J Epidemiol** 1982 Apr;115(4):598–605

Saturday night fever: a common–source outbreak of rubella among adults in Hawaii. Marks JS, et al. **Am J Epidemiol** 1981 Oct;114(4):574–83

Liver function abnormalities in the course of a type A (H1N1) influenza outbreak: relation to Reye's syndrome. Monto AS, et al. **Am J Epidemiol** 1981 Nov;114(5):750–9

Surveillance of Reye syndrome in the United States, 1977. Morens DM, et al. **Am J Epidemiol** 1981 Sep;114(3):406–16

A large outbreak of hepatitis A in a day–care center: association with non–toilet–trained children and persistence of IgM antibody to hepatitis A virus. Vernon AA, et al. **Am J Epidemiol** 1982 Mar;115(3):325–31

A mixed epidemic associated with echovirus types 6 and 11: virologic, clinical and epidemiologic studies. Wenner HA, et al. **Am J Epidemiol** 1981 Sep;114(3):369–78

Outbreak of acute pulmonary histoplasmosis in members of a wagon train. Gustafson TL, et al. **Am J Med** 1981 Nov; 71(5):759–65

Laboratory evaluation of an outbreak of nocardiosis in immunocompromised hosts. Stevens DA, et al. **Am J Med** 1981 Dec;71(6):928–34

Outbreak of Kaposi's sarcoma with cytomegalovirus infection in young homosexual men. Urmacher C, et al. **Am J Med** 1982 Apr;72(4):569–75

Bottled beverages and typhoid fever: the Mexican epidemic of 1972–73. Gonzalez–Cortes A, et al. **Am J Public Health** 1982 Aug;72(8):844–5

Impact of type A influenza on children: a retrospective study. Mullooly JP, et al. **Am J Public Health** 1982 Sep; 72(9):1008–16

Concurrent evaluation of epidemic St. Louis encephalitis: are you on the upward or downward side of the curve? Powell KE, et al. **Am J Public Health** 1982 Jan;72(1):62–4

Waterborne gastroenteritis due to the Norwalk agent: clinical and epidemiologic investigation. Wilson R, et al. **Am J Public Health** 1982 Jan;72(1):72–4

An epidemic of Ross River virus infection in Fiji, 1979. Aaskov JG, et al. **Am J Trop Med Hyg** 1981 Sep; 30(5):1053–9

Eosinophilic meningitis in the New Hebrides: two outbreaks and two deaths. Bowden DK. **Am J Trop Med Hyg** 1981 Sep;30(5):1141–3

Epidemic dengue 3 in central Java, associated with low viremia in man. Gubler DJ, et al. **Am J Trop Med Hyg** 1981 Sep;30(5):1094–9

A cluster of Acinetobacter Pneumonia in foundry workers. Cordes LG, et al. **Ann Intern Med** 1981 Dec;95(6):688–93

Nosocomial influenza B virus infection in the elderly. Van Voris LP, et al. **Ann Intern Med** 1982 Feb;96(2):153–8

Campylobacter enteritis associated with contaminated water. Vogt RL, et al. **Ann Intern Med** 1982 Mar;96(3):292–6

Risk factors for disseminated or fatal histoplasmosis. Analysis of a large urban outbreak. Wheat LJ, et al. **Ann Intern Med** 1982 Feb;96(2):159–63

Immunoenzymatic examination of autoptic tissues from the outbreak of fatal infantile disease in Naples, in 1978–1979. Suffin SC, et al. **Ann Ist Super Sanita** 1981;17(4):777–81

Necrotizing enterocolitis. A report of sixty–six cases. Soares D, et al. **Ann Radiol (Paris)** 1982 Feb;25(2):124–30 **(Eng, Fre)**

Common R–plasmids in Staphylococcus aureus and Staphylococcus epidermidis during a nosocomial Staphylococcus aureus outbreak. Cohen ML, et al. **Antimicrob Agents Chemother** 1982 Feb;21(2):210–5

Adeno–viral kerato conjunctivitis. Stasiuk RM, et al. **Aust J Ophthalmol** 1981 Feb;9(1):55–8

Contamination and crossinfection with Clostridium difficile in an intensive care unit. Walters BA, et al. **Aust NZ J Med** 1982 Jun;12(3):255–8

An outbreak of gonorrhea due to penicillinase–producing Neisseria gonorrhoeae (PPNG) in a provincial city [letter] Cohen L, et al. **Br J Vener Dis** 1982 Apr;58(2):132

Re–emergence of bullous impetigo. Lissauer TJ, et al. **Br Med J [Clin Res]** 1981 Dec 5;283(6305):1509–10

A chronic epidemic of hysterical blackouts in a comprehensive school. Mohr PD, et al. **Br Med J [Clin Res]** 1982 Mar 27;284(6320):961–2

An outbreak of pseudobacteraemia. Willson PA, et al. **Br Med J [Clin Res]** 1981 Sep 26;283(6295):866

Common source epidemics I: a stochastic model. Shonkwiler R, et al. **Bull Math Biol** 1982;44(2):259–69

Common source epidemics II: toxoplasmosis in Atlanta. Shonkwiler R, et al. **Bull Math Biol** 1982;44(3):377–98

An outbreak of poliovirus infection in Alberta — 1978. White FM, et al. **Can J Public Health** 1981 Jul–Aug;72(4):239–44

'Muskrat fever': two outbreaks of tularemia near Montreal. Ford–Jones L, et al. **Can Med Assoc J** 1982 Aug 15; 127(4):298–9

Outbreak of Campylobacter enteritis due to consumption of raw milk. McNaughton RD, et al. **Can Med Assoc J** 1982 Mar 15;126(6):657–8

Haemorrhagic disorders. Part 2: Tropical Asia. Suvatte V. **Clin Haematol** 1981 Oct;10(3):933–62 (109 ref.)

Mass intoxication from accidental overfluoridation of drinking water. Waldbott GL. **Clin Toxicol** 1981 May; 18(5):531–41 (28 ref.)

Mortality trends in Philadelphia: age– and cause– specific death rates 1870–1930. Condran GA, et al. **Demography** 1982 Feb;19(1):97–123

The phlycten, a come–back? Koppert HC, et al. **Doc Ophthalmol** 1982 Jan 29;52(3–4):339–45

Sexuality, venereal disease, and public health policy. Peck DL. **Health Soc Work** 1981 Nov;6(4):55–63

Recent resurgence of scabies. Dutta AK. **Indian J Dermatol** 1981 Oct;25(4):1–6 (26 ref.)

Japanese encephalitis epidemic in Uttar Pradesh, India during 1978. Mathur A, et al. **Indian J Med Res** 1982 Feb;75:161–9

Salmonella oranienburg infection in a neonatal unit in New Delhi. Mehta G, et al. **Indian J Med Res** 1982 Apr;75:480–4

Studies on an outbreak of Japanese encephalitis in Kolar district, Karnataka state in 1977–78. Prasad SR, et al. **Indian J Med Res** 1982 Jan;75:1–6

Investigation of a suspected plague outbreak in 1975 in Tapni village, Maharastra. Renapurkar DM. **Indian J Public Health** 1981 Apr–Jun;25(2):74–5

Spurt in poliomyelitis in Madras. Sundaravalli N, et al. **Indian Pediatr** 1981 Aug;18(8):539–44

Clinical, epidemiologic and microbiologic features of a persistent outbreak of amikacin–resistant Serratia marcescens. Arroyo JC, et al. **Infect Control** 1981 Sep–Oct; 2(5):367–72

Epidemiologic studies of an outbreak of nosocomial methicillin–resistant Staphylococcus aureus infections. Boyce JM, et al. **Infect Control** 1981 Mar–Apr;2(2):110–6

Statistical test for possible infection outbreaks. Childress JA, et al. **Infect Control** 1981 May–Jun;2(3):247–9

Nursery epidemic due to multiply–resistant Klebsiella pneumoniae: epidemiologic setting and impact on perinatal health care delivery. McKee KT Jr, et al. **Infect Control** 1982 Mar–Apr;3(2):150–6

Measles in England and Wales—II: The impact of the measles vaccination programme on the distribution of immunity in the population. Fine PE, et al. **Int J Epidemiol** 1982 Mar;11(1):15–25

Measles in England and Wales—I: An analysis of factors underlying seasonal patterns. Fine PE, et al. **Int J Epidemiol** 1982 Mar;11(1):5–14

Hospital cluster epidemic with Morganella morganii. Tucci V, et al. **J Clin Microbiol** 1981 Nov;14(5):563–6

Serological study of Japanese encephalitis outbreak in Deoria District of Uttar Pradesh. Bhardwaj M, et al. **J Commun Dis** 1981 Jun;13(2):96–101

An outbreak of cholera in Indore City, Madhya Pradesh, 1980. Some epidemiological observations. Chakraborty S, et al. **J Commun Dis** 1981 Sep;13(3):152–9

Pseudomonas aeruginosa in two special care baby units—patterns of colonization and infection. Davies AJ, et al. **J Hosp Infect** 1981 Sep;2(3):241–7

Influenza surveillance in England and Wales using routine statistics. Development of 'cusum' graphs to compare 12 previous winters and to monitor the 1980/81 winter. Tillett HE, et al. **J Hyg (Lond)** 1982 Feb;88(1):83–94

An epidemic of acute hemorrhagic conjunctivitis due to coxsackievirus A24. Christopher S, et al. **J Infect Dis** 1982 Jul;146(1):16–9

Risk factors for hepatitis A in day–care centers. Hadler SC, et al. **J Infect Dis** 1982 Feb;145(2):255–61

An outbreak of influenza B in an elderly population. Hall WN, et al. **J Infect Dis** 1981 Oct;144(4):297–302

Gastroenteritis due to Norwalk virus: an outbreak associated with a municipal water system. Kaplan JE, et al. **J Infect Dis** 1982 Aug;146(2):190–7

Hepatitis A outbreak related to a day care center in Forrest County, Mississippi. Hammack C, et al. **J Miss State Med Assoc** 1982 Feb;23(2):40–3

An epidemic of Kawasaki syndrome in Hawaii. Dean AG, et al. **J Pediatr** 1982 Apr;100(4):552–7

Salmonellosis in a day–care center [letter] Lieb S, et al.

J Pediatr 1982 Jun;100(6):1004–5
Reported measles in persons immunologically primed by prior vaccination. Smith FR, et al. **J Pediatr** 1982 Sep; 101(3):391–3
Whooping cough in nursery school children. Roberts A, et al. **J R Coll Gen Pract** 1981 Aug;31(229):470–2
Some aspects of an epidemic of gastroenteritis in the Seychelles. Grainger CR. **J Trop Med Hyg** 1981 Oct; 84(5):219–25
Diphyllobothriasis [editorial] Barclay WR. **JAMA** 1981 Nov 27;246(21):2483
Occupational dermatitis associated with straw itch mites (Pyemotes ventricosus). Betz TG, et al. **JAMA** 1982 May 28;247(20):2821–3
Academy rash. A probable epidemic of erythema infectiosum ('fifth disease'). Brass C, et al. **JAMA** 1982 Aug 6; 248(5):568–72
Impact of influenza A in a nursing home. Goodman RA, et al. **JAMA** 1982 Mar 12;247(10):1451–3
An outbreak of hepatitis B in members of a high school sumo wrestling club. Kashiwagi S, et al. **JAMA** 1982 Jul 9; 248(2):213–4
An outbreak of congenital rubella in Chicago. Lamprecht C, et al. **JAMA** 1982 Feb 26;247(8):1129–33
Group G streptococcal pharyngitis. Analysis of an outbreak at a college. McCue JD. **JAMA** 1982 Sep 17;248(11):1333–6
Nosocomial Pseudomonas aeruginosa urinary tract infections. Strand CL, et al. **JAMA** 1982 Oct 1;248(13):1615–8
Fatty acid anilides and the toxic oil syndrome [letter] **Lancet** 1982 Jan 9;1(8263):98–9
Interference between outbreaks of respiratory syncytial virus and influenza virus infection [letter] Anestad G. **Lancet** 1982 Feb 27;1(8270):502
Cluster of uncommon fetal abnormalities [letter] Bennett MJ. **Lancet** 1982 Jun 12;1(8285):1360–1
Epidemic of meningococcal meningitis in Bamako, Mali: epidemiological features and analysis of vaccine efficacy. Binkin N, et al. **Lancet** 1982 Aug 7;2(8293):315–8
Clustering of aeromonas hydrophila septicaemia [letter] Cookson BD, et al. **Lancet** 1981 Nov 28;2(8257):1232
The recurrence of whooping cough: possible implications for assessment of vaccine efficacy. Fine PE, et al. **Lancet** 1982 Mar 20;1(8273):666–9
Plasmid characterisation in the investigation of an epidemic caused by multiply resistant Shigella dysenteriae type 1 in Central Africa. Frost JA, et al. **Lancet** 1981 Nov 14; 2(8255):1074–6
Hexachlorophene poisoning [letter] Garcia-Buñel L. **Lancet** 1982 Feb 20;1(8269):459
Cluster of hepatitis B transmitted by a physician. Grob PJ, et al. **Lancet** 1981 Nov 28;2(8257):1218–20
A tuberculosis outbreak in Deal, Kent. Jones JS. **Lancet** 1982 May 8;1(8280):1060–1
Outbreak of accidental hexachlorophene poisoning in France. Martin-Bouyer G, et al. **Lancet** 1982 Jan 9;1(8263):91–5
Outbreak of acute hepatitis caused by aflatoxin poisoning in Kenya. Ngindu A, et al. **Lancet** 1982 Jun 12; 1(8285):1346–8
A common-source outbreaks of ornithosis in veterinary surgeons. Palmer SR, et al. **Lancet** 1981 Oct 10; 2(8250):798–9
Kawasaki syndrome: association with the application of rug shampoo. Patriarca PA, et al. **Lancet** 1982 Sep 11; 2(8298):578–80
Shift in the age-distribution of meningococcal disease as predictor of an epidemic? Peltola H, et al. **Lancet** 1982 Sep 11;2(8298):595–7
Cluster of uncommon fetal abnormalities [letter] Raafat F, et al. **Lancet** 1982 Jul 31;2(8292):270
Multiply resistant pneumococcus causing meningitis: its epidemiology within a day-care centre. Radetsky MS, et al. **Lancet** 1981 Oct 10;2(8250):771–3
Marburg-virus disease in Kenya. Smith DH, et al. **Lancet** 1982 Apr 10;1(8276):816–20
Outbreak of Coxsackie A1 gastroenteritis: a complication of bone-marrow transplantation. Townsend TR, et al. **Lancet** 1982 Apr 10;1(8276):820–3
Chicken pox outbreak in staff and students of a hospital in the tropics [letter] Venkitaraman AR, et al. **Lancet** 1982 Jul 17;2(8290):165
Outbreak of Burkitt's-like lymphoma in homosexual men. Ziegler JL, et al. **Lancet** 1982 Sep 18;2(8299):631–3
Measles or rubella? [letter] Begg RC. **Med J Aust** 1982 Mar 6;1(5):203–4
Culturing an epidemic of staphylococci in the mass media. Blum A. **Med J Aust** 1982 May 29;1(11):475–9
Viral hepatitis: a four-year hospital and general-practice study in Sydney. 2. Transmission of viral hepatitis among residential contacts in Sydney. Boughton CR, et al. **Med J Aust** 1982 Feb 20;1(4):174–6
Outbreak of brucellosis at a South-Australian abattoir. 2. Epidemiological investigations. Davos DE, et al. **Med J Aust** 1981 Dec 12–26;2(12–13):657–60
Toxocariasis. A possible cause of the Palm Island mystery disease. Moorhouse DE. **Med J Aust** 1982 Feb 20; 1(4):172–3
Epidemic of hospital-acquired infection due to methicillin-resistant Staphylococcus aureus in major Victorian hospitals. Pavillard R, et al. **Med J Aust** 1982 May 29;1(11):451–4
The 1978 cholera outbreak in Krian district. Yadav H. **Med J Malaysia** 1981 Sep;36(3):129–35
Transmission of infection among household contacts of cholera patients in the 1978 outbreak in Perak. Ying GC. **Med J Malaysia** 1981 Jun;36(2):70–5
Rickettsialpox: report of an outbreak and a contemporary review. Brettman LR, et al. **Medicine (Baltimore)** 1981 Sep; 60(5):363–72
Epidemic classical heat stroke: clinical characteristics and course of 28 patients. Hart GR, et al. **Medicine (Baltimore)** 1982 May;61(3):189–97
Epidemic methanol poisoning: clinical and biochemical analysis of a recent episode. Swartz RD, et al. **Medicine (Baltimore)** 1981 Sep;60(5):373–82
Epidemic histoplasmosis in patients with undifferentiated fever. Burke DS, et al. **Milit Med** 1982 Jun;147(6):466–7
A stochastic model of epidemics in military recruits. Crawford GE. **Milit Med** 1982 May;147(5):361–6
1975 encephalitis epidemic in North Dakota and western Minnesota. An epidemiologic, clinical, and neuropathologic study. Leech RW, et al. **Minn Med** 1981 Sep;64(9):545–8
Aseptic meningitis--Panama. **MMWR** 1981 Nov 20; 30(45):559–60, 565
Water-related disease outbreaks in the United States--1980. **MMWR** 1982 Jan 1;30(50–51):623–4, 633–4
Outbreak of food-borne hepatitis A--New Jersey. **MMWR** 1982 Apr 2;31(12):150–2
Chancroid--California. **MMWR** 1982 Apr 16;31(14):173–5
Common-source outbreaks of trichinosis--New York City, Rhode Island. **MMWR** 1982 Apr 9;31(13):161–4
Epidemiologic aspects of the current outbreak of Kaposi's sarcoma and opportunistic infections. **N Engl J Med** 1982 Jan 28;306(4):248–52
Oocyst-transmitted toxoplasmosis associated with ingestion of contaminated water. Benenson MW, et al. **N Engl J Med** 1982 Sep 9;307(11):666–9
An outbreak of amebiasis spread by colonic irrigation at a chiropractic clinic. Istre GR, et al. **N Engl J Med** 1982 Aug 5;307(6):339–42
An outbreak of community-acquired Pneumocystis carinii pneumonia: initial manifestation of cellular immune dysfunction. Masur H, et al. **N Engl J Med** 1981 Dec 10; 305(24):1431–8
Salmonellosis associated with marijuana: a multistate outbreak traced by plasmid fingerprinting. Taylor DN, et al. **N Engl J Med** 1982 May 27;306(21):1249–53
A foodborne outbreak of enterotoxigenic Escherichia coli diarrhea. Taylor WR, et al. **N Engl J Med** 1982 May 6; 306(18):1093–5
A community outbreak of trichinosis in Nebraska: report of an epidemiologic investigation. Currier RW, et al. **Nebr Med J** 1982 Jan;67(1):2–5
A community outbreak of trichinosis in Nebraska: report of an epidemiologic investigation. Currier RW, et al. **Nebr Med J** 1982 Feb;67(2):21–2
Multiple sclerosis in Iceland: 1. Evidence of a postwar epidemic. Kurtzke JF, et al. **Neurology (NY)** 1982 Feb; 32(2):143–50
Department of health and rubella [letter] Begg RC. **NZ Med J** 1981 Dec 23;94(698):471
An outbreak of gastroenteritis due to enteropathogenic Escherichia coli, which are also enterotoxigenic. Bettelheim KA, et al. **NZ Med J** 1982 Apr 14;95(705):215–6
Campylobacter jejuni isolates studied at the National Health Institute, Wellington, between January 1979 and March 1981. Cawley PF. **NZ Med J** 1982 Jan 27;95(700):35
The 1980 rubella outbreak in New Zealand. Miller JA, et al. **NZ Med J** 1982 Jun 9;95(709):385–7
The 1980 rubella outbreak in New Zealand [letter] Miller JA, et al. **NZ Med J** 1982 Jul 28;95(712):518
Spa pool hygiene [letter] Seeman IM, et al. **NZ Med J** 1982 Apr 28;95(706):286
An outbreak of skin disease from the use of a spa pool. Stafford SR, et al. **NZ Med J** 1982 Mar 24;95(704):179–80
Association of coronavirus infection with neonatal necrotizing enterocolitis. Chany C, et al. **Pediatrics** 1982 Feb;69(2):209–14
Pennsylvania tops other states in water-related diseases. Schmidt JS. **Penn Med** 1982 Mar;85(3):25–9
Echovirus 11 infections of newborns with mortality during the 1979 enterovirus season in Milwaukee, Wis. Piraino FF, et al. **Public Health Rep** 1982 Jul-Aug;97(4):346–53
Infectious disease in a total institution: a study of the influenza epidemic of 1978 on a college campus. Sobal J, et al. **Public Health Rep** 1982 Jan-Feb;97(1):66–72
Increase in Mycobacterium avium complex isolations among patients admitted to a general hospital. Wiesenthal AM, et al. **Public Health Rep** 1982 Jan-Feb;97(1):61–5
Acute haemorrhagic conjunctivitis. Hoffman M. **S Afr Med J** 1982 Aug 28;62(10):311–2
A rubella epidemic in an unvaccinated pregnant population. 2. Seroepidemiology. Ulstrup JC, et al. **Scand J Infect Dis** 1981;13(2):83–8
Multivariate analysis of the role of school-attendance status in the introduction of variola minor into the household. Morrill RL, et al. **Soc Sci Med [D]** 1981 Nov;15D(4):479–87
An epidemic of acute conjunctivitis caused by enterovirus-70 in Singapore in 1980. Goh KT, et al. **Southeast Asian J Trop Med Public Health** 1981 Dec; 12(4):473–86
The first outbreak of human plague in Lushoto district, north-east Tanzania. Kilonzo BS, et al. **Trans R Soc Trop Med Hyg** 1982;76(2):172–7
Bacterial meningitis: the first documentation of an epidemic in southern Nigeria. Onile BA, et al. **Trans R Soc Trop Med Hyg** 1982;76(1):41–4
An epidemic of rotavirus diarrhoea in Manipur, India. Sengupta PG, et al. **Trans R Soc Trop Med Hyg** 1981; 75(4):521–3
Ross River virus (Togaviridae: Alphavirus) infection (epidemic polyarthritis) in American Samoa. Tesh RB, et al. **Trans R Soc Trop Med Hyg** 1981;75(3):426–31
Effective deployment of refugee health workers in epidemic measles. Drew D, et al. **Trop Doct** 1982 Jul;12(3):132–3
An outbreak of congenital rubella. Dales LG, et al. **West J Med** 1981 Oct;135(4):266–70
An outbreak of Clostridium perfringens Hobbs type 21 food poisoning. Alexander R, et al. **Zentralbl Bakteriol Mikrobiol Hyg [B]** 1981 Sep; 173(6):488–93
[Outbreak of leptospirosis due to migration of field rodents (author's transl)] Ouyang YM. **Chung Hua Yu Fang I Hsueh Tsa Chih** 1982 Mar;16(2):96–7 (Eng. Abstr.) **(Chi)**
[An epidemic of a benign exanthema (erythema infectiosum) in a pediatric community] Doušová J, et al. **Cesk Pediatr** 1981 Apr;36(4):189–91 (Eng. Abstr.) **(Cze)**
[2 outbreaks of Salmonella indiana in Maastricht; a review of the salmonellosis during the Eurotop conference] Beckers HJ, et al. **Ned Tijdschr Geneeskd** 1982 Jul 17; 126(29):1305–11 (Eng. Abstr.) **(Dut)**
[On an outbreak caused by dengue type 4 virus, in Thio, New Caledonia. Epidemiological and clinical aspects (author's transl)] Le Gonidec G, et al. **Bull Soc Pathol Exot Filiales** 1982 Mar-Apr;75(2):141–50 (Eng. Abstr.) **(Fre)**
[An epidemic of meningococcal infection in Vietnam (southern provinces)] Oberti J, et al. **Bull WHO** 1981; 59(4):585–90 **(Fre)**
[An epidemic of chancroid. 587 cases (author's transl)] Morel P, et al. **Nouv Presse Med** 1982 Feb 27;11(9):655–6 (Eng. Abstr.) **(Fre)**
[Ecthyma contagiosum epidemics in Turkey] Günes AT, et al. **Hautarzt** 1982 Jul;33(7):384–7 (Eng. Abstr.) **(Ger)**
[Recurrent Q-fever in the Mosel-Hunsrück district] Delagardelle C, et al. **Med Welt** 1981 Nov 13;32(46):1743–5 **(Ger)**
[Isolation and identification of viral causative agents in an episode of infant mortality occurring in Naples from October 1978 to April 1979] Vecchio G, et al. **Ann Ist Super Sanita** 1981;17(4):789–802 **(Ita)**
[Rubella epidemic in Piemonte in 1977: assay of specific antibodies in the umbilical cord blood and clinical follow-up (author's transl)] Gandolfo Caramello MT, et al. **Ann Sclavo** 1980 Nov-Dec;22(6):1012–8 (Eng. Abstr.) **(Ita)**
[Rubella epidemic of 1977 in Turin. Virological studies] Giuliani G, et al. **Ann Sclavo** 1980 Nov-Dec;22(6):1019–26 (72 ref.) (Eng. Abstr.) **(Ita)**
[Rubella epidemic of 1977: sero-epidemiological study of the maternal and neonatal population made in Turin at the Maria Vittoria Hospital in the period July 1977–April 1978] Moiraghi-Ruggenini A, et al. **Ann Sclavo** 1980 Nov-Dec; 22(6):995–1011 (Eng. Abstr.) **(Ita)**
[An outbreak of nosocomial infection due to multiply drug resistant strain of Serratia marcescens (author's transl)] Hayahi I, et al. **Kansenshogaku Zasshi** 1982 Feb; 56(2):101–10 (Eng. Abstr.) **(Jpn)**
[Laboratory-based surveillance of influenza virus in Japan in the winter of 1980–1981 (author's transl)] Takeuchi Y, et al. **Kansenshogaku Zasshi** 1982 Mar;56(3):182–92 (Eng. Abstr.) **(Jpn)**
[Outbreak of non-A, non-B hepatitis--clinical and epidemiological studies] Fujisawa K, et al. **Nippon Rinsho** 1981 Oct;39(10):3235–41 **(Jpn)**
[Acute viral hepatitis in coronary care unit (CCU): with special reference to small outbreak of non-A, non-B hepatitis (author's transl)] Akaike M, et al. **Nippon Shokakibyo Gakkai Zasshi** 1981 Nov; 78(11):2129–35 (Eng. Abstr.) **(Jpn)**
[An outbreak of postoperative acute hepatitis due to non-A, non-B hepatitis virus (author's transl)] Takada A, et al. **Nippon Shokakibyo Gakkai Zasshi** 1981 Apr;78(4):856–63 (Eng. Abstr.) **(Jpn)**
[Outbreak of Shigella sonnei dysentery epidemic in Szczecin and Szczecin district in 1979] Januszkiewicz J, et al. **Przegl Epidemiol** 1981;35(2):211–9 **(Pol)**
[An epidemic focus of herpes simplex infection in a neonatal ward] Słowińska I, et al. **Wiad Lek** 1982 Jan 1;35(1):25–30 (Eng. Abstr.) **(Pol)**
[Viral and bacterial meningitis in the municipality of Rio de Janeiro (Brazil). Some considerations on the health information system and the transmission of the disease in an urban area] Nery-Guimarães R, et al. **Rev Saude Publica** 1981 Aug;15(4):379–94 (Eng. Abstr.) **(Por)**
[Viral meningitis in the municipality of Rio de Janeiro, 1978] Nery-Guimarães R, et al. **Rev Saude Publica** 1981 Oct; 15(5):455–71 (Eng. Abstr.) **(Por)**
[Clinical manifestations and outcomes of complicated variants of influenza during the epidemics of 1979–1980] Alekseeva AA, et al. **Ter Arkh** 1981;53(10):18–21 (Eng. Abstr.) **(Rus)**
['Epidemic' of bronchial asthma in one of the regions of Yakutia] Vasil'ev EP, et al. **Ter Arkh** 1982;54(4):61–4 (Eng. Abstr.) **(Rus)**

[Characteristics of the epidemic process in mumps in cities differing in population size] Rykushin IuP, et al. **Tr Inst Pastera** 1979;53:43–50 (Eng. Abstr.) **(Rus)**

[Reasons for epidemic outbreaks of measles against a background of stable low morbidity] Rykushin IuP, et al. **Tr Inst Pastera** 1979;53:26–32 (Eng. Abstr.) **(Rus)**

[Effect of the immune level on the epidemic process in measles] Zhilina LP, et al. **Tr Inst Pastera** 1979;53:33–5 **(Rus)**

[Seasonality of the epidemic process in anginas] Agafonov VI, et al. **Voen Med Zh** 1981 Sep;(9):38–42 **(Rus)**

[Characteristics and trends in the development of an epidemic process of Sonne and Flexner dysentery among preschool children] Briko NI, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1982 Mar;(3):93–7 (Eng. Abstr.) **(Rus)**

[Prognosis of plague epizootics among wild rodents] Dubianskiĭ MA, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1982 Mar;(3):97–100 (Eng. Abstr.) **(Rus)**

[Natural focus of tularemia on the Kerchen peninsula (Crimea)] Golkovskiĭ GM, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1981 Oct;(10):99–101 (Eng. Abstr.) **(Rus)**

[Manifestations of the cyclic nature of the epidemic process in dysentery] Vlasov VI, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1982 May;(5):26–30 (Eng. Abstr.) **(Rus)**

[Water-borne outbreaks of rotavirus infections] Zamotin BA, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1981 Mov;(11):100–2 (Eng. Abstr.) **(Rus)**

[Health conditions in Belgrade during the occupation in World War I and the 1918–1919 Spanish influenza epidemic] Dragić M. **Srp Arh Celok Lek** 1980 Sep;108(9):969–74 **(Scc)**

[An epidemic of Q fever in Serbia in the village of Azanja near Smerdevska Palanka] Milanović M, et al. **Srp Arh Celok Lek** 1980 Oct;108(10):1035–44 **(Scc)**

[Some epidemiologic and virologic patterns of the enterovirosis outbreak in SR Croatia in 1979 (author's transl)] Borčić B, et al. **Lijec Vjesn** 1981 June;103(6):225–30 (Eng. Abstr.) **(Scr)**

[The current epidemic toxic syndrome of dietary origin] **An R Acad Nac Med (Madr)** 1981;98(4):523–602 **(Spa)**

[Trichinosis in Zacatecas. Epidemiological and clinical study] Martínez Marañon R. **Prensa Med Mex** 1979 Nov–Dec; 44(11–12):278–87 **(Spa)**

[Infections due to several species of Salmonella in Mendoza, Argentina] Curi de Montbrun SE, et al. **Rev Argent Microbiol** 1981 Jan–Apr;13(1):23–30 (Eng. Abstr.) **(Spa)**

[Hospital infection due to Klebsiella pneumoniae in an outbreak of sepsis in newborn infants] Guerrero Ode P, et al. **Rev Chil Pediatr** 1981 Jul–Aug;52(4):306–13 (Eng. Abstr.) **(Spa)**

[Epidemic outbreak of dermatitis caused by Paederus signaticornis Sharp (Coleoptera: staphylinidae) observed in José Domingo de Obaldía Hospital, David, Panama] Méndez E, et al. **Rev Med Panama** 1982 Jan;7(1):53–8 (Eng. Abstr.) **(Spa)**

PREVENTION & CONTROL

Rubella outbreak in a prenatal clinic: management and prevention. Fliegel PE, et al. **Am J Infect Control** 1982 Feb;10(1):29–33

Pneumonia and influenza deaths during epidemics: implications for prevention. Barker WH, et al. **Arch Intern Med** 1982 Jan;142(1):85–9

Minimum amount of penicillin prophylaxis required to control Streptococcus pyogenes epidemic in closed community. Colling A, et al. **Br Med J [Clin Res]** 1982 Jul 10;285(6335):95–6

The 1975 foot-and-mouth disease epidemic in Malta. III. serological response of cattle, sheep, goats, and pigs to type O vaccine. Garland AJ, et al. **Br Vet J** 1981 Sep–Oct; 137(5):507–12

Outbreak of Streptococcus pyogenes infections in a geriatric hospital and control by mass treatment. Rahman M. **J Hosp Infect** 1981 Mar;2(1):63–9

Aminoglycoside-resistant Pseudomonas aeruginosa urinary tract infection: study of an outbreak. Smith PW, et al. **J Hosp Infect** 1981 Mar;2(1):71–5

Epidemic measles and rubella in air force recruits: impact of immunization. Crawford GE, et al. **J Infect Dis** 1981 Nov;144(5):403–10

Policy decisions in scabies control. Foutes JA, et al. **J Sch Health** 1981 Dec;51(10):673–5

Prevention of rubella transmission in medical facilities. Greaves WL, et al. **JAMA** 1982 Aug 20;248(7):861–4

Guillain-Barré syndrome in the United States, 1979–1980 and 1980–1981. Lack of an association with influenza vaccination. Kaplan JE, et al. **JAMA** 1982 Aug 13; 248(6):698–700

Interruption of hepatitis B transmission by modification of a gynaecologist's surgical technique. Carl M, et al. **Lancet** 1982 Mar 27;1(8274):731–3

Control and elimination of an MRSA outbreak [letter] Jones L, et al. **Med J Aust** 1982 May 29;1(11):480

Administrative considerations in an infective outbreak. Westwood G, et al. **Med J Aust** 1982 May 29;1(11):470–2

Measles in Minnesota, 1979. West DJ, et al. **Minn Med** 1981 May;64(5):303–7

Influenza vaccine efficacy in nursing home outbreaks reported during 1981–1982. **MMWR** 1982 Apr 23; 31(15):190, 195

An outbreak of influenza B at an Indiana boarding school: estimate of vaccine efficacy. DeStefano F. **Public Health Rep** 1982 May–Jun;97(3):269–72

WHO fights dengue haemorrhagic fever. Halstead SB. **WHO Chron** 1982;36(2):65–7

[Success of measles and mumps vaccination] Hein H. **Off Gesundheitswes** 1982 May;44(5):313–5 **(Ger)**

[Gamma globulin as a prophylactic measure in an outbreak of hepatitis A in an institution for mentally retarded children (author's transl)] Hofmann H, et al. **Wien Klin Wochenschr** 1981 Oct 2;93(18):584–7 (Eng. Abstr.) **(Ger)**

[Experience with the use of immunoglobulin prophylaxis of hepatitis A in the Lithuanian SSR. The prophylactic action of different doses of a commercial immunoglobulin in a pre-epidemic period] Iurkuvenas VB, et al. **Vopr Virusol** 1982 Mar–Apr;27(2):241–3 **(Rus)**

[Experience with the use of immunoglobulin prophylaxis of hepatitis A in the lithuanian SSR. The prophylactic action of different doses of a commercial immunoglobulin depending on the epidemic situation] Iurkuvenas VB, et al. **Vopr Virusol** 1982 Mar–Apr;27(2):243–7 **(Rus)**

[Prevention of the anti-interferon effect of exogenous leukocyte interferon in children] Makarova ZS, et al. **Vopr Virusol** 1981 Sep–Oct;(5):565–7 (Eng. Abstr.) **(Rus)**

[Determination of the parameters for the warranted use of mass immunoprophylaxis based on epidemic indications] Sergiev VP. **Zh Mikrobiol Epidemiol Immunobiol** 1982 Mar; (3):3–5 **(Rus)**

VETERINARY

Bovine mycoplasmal mastitis. Jasper DE. **Adv Vet Sci Comp Med** 1981;25:121–57 (130 ref.)

Malignant catarrhal fever in an Indian gaur and greater kudu: experimental transmission, isolation, and identification of a herpesvirus. Castro AE, et al. **Am J Vet Res** 1982 Jan; 43(1):5–11

Plasmid-mediated antimicrobial resistance in Haemophilus pleuropneumoniae. Hirsh DC, et al. **Am J Vet Res** 1982 Feb;43(2):269–72

Sarcoptic mange in sheep in the Sudan. Abu-Samra MT, et al. **Ann Trop Med Parasitol** 1981 Dec;75(6):639–45

Trichophyton mentagrophytes infection in the domestic donkey (Equus asinus asinus). Ali KE, et al. **Ann Trop Med Parasitol** 1981 Dec;75(6):623–6

Streptobacillus moniliformis septicaemia in spinifex hopping mice (Notomys alexis) [letter] Hopkinson WI, et al. **Aust Vet J** 1981 Nov;57(11):533–4

Cryptosporidia associated with outbreaks of neonatal calf diarrhoea [letter] Jerrett IV, et al. **Aust Vet J** 1981 Sep; 57(9):434–5

Stephanofilariasis in cattle. Johnson SJ, et al. **Aust Vet J** 1981 Sep;57(9):411–3

Infectious laryngotracheitis in peafowl and pheasants. Crawshaw GJ, et al. **Avian Dis** 1982 Apr–Jun;26(2):397–401

Toxoplasmosis in mynahs. Dhillon AS, et al. **Avian Dis** 1982 Apr–Jun;26(2):445–9

Control of turkey Alcaligenes rhinotracheitis in Utah with a live vaccine. Jensen MM, et al. **Avian Dis** 1981 Oct–Dec; 25(4):1053–7

A Mycoplasma gallisepticum epornitic in turkeys: its epidemiology and eradication. Johnson DC, et al. **Avian Dis** 1981 Oct–Dec;25(4):1047–52

An outbreak of infectious bursal disease among chickens between 16 and 20 weeks old. Okoye JO, et al. **Avian Dis** 1981 Oct–Dec;25(4):1034–8

Outbreaks of fowl cholera in quail. Panigrahy B, et al. **Avian Dis** 1982 Jan–Mar;26(1):200–3

Cerebrospinal nematodiasis in bobwhite quail. Reed WM, et al. **Avian Dis** 1981 Oct–Dec;25(4):1039–46

Trematode (Sphaeridiotrema globulus)-induced ulcerative hemorrhagic enteritis in wild mute swans (Cygnus olor). Roscoe DE, et al. **Avian Dis** 1982 Jan–Mar;26(1):214–24

Severe egg-production drops in turkey breeders in southcentral Missouri. Skeeles JK, et al. **Avian Dis** 1981 Jul–Sep;25(3):764–7

Outbreaks of egg-drop syndrome–1976 in Japan and its etiological agent. Yamaguchi S, et al. **Avian Dis** 1981 Jul–Sep;25(3):628–41

Clinical observations on bovine papillomatosis (warts). Abu-Samra MT, et al. **Br Vet J** 1982 Mar–Apr; 138(2):138–44

Ringworm caused by Trichophyton verrucosum in young goats: a case report. Chineme CN, et al. **Bull Anim Health Prod Afr** 1981 Mar;29(1):75–8

The extent and control of avian influenza in Canada. Lang G, et al. **Can Vet J** 1981 Dec;22(12):377–81

A natural outbreak of bovine respiratory disease caused by bovine respiratory syncytial virus. Elazhary MA, et al. **Cornell Vet** 1982 Jul;72(3):325–33

Studies of an outbreak of Corynebacterium equi pneumonia in foals. Smith BP, et al. **Equine Vet J** 1981 Oct;13(4):223–8

Observations on Mycoplasma mycoides subsp. mycoides infection in Saanen goats. Bar-Moshe B, et al. **Isr J Med Sci** 1981 Jul;17(7):537–9

Clinical fascioliasis in domestic goats in Montana. Leathers CW, et al. **J Am Vet Med Assoc** 1982 Jun 15;180(12):1451–4

Bovine herpes mammillitis in two New York dairy herds. Letchworth GJ 3d, et al. **J Am Vet Med Assoc** 1982 Apr 15;180(8):902–7

Diarrhea in young red deer associated with infection with Cryptosporidium. Tzipori S, et al. **J Infect Dis** 1981 Aug; 144(2):170–5

Infection in rhesus (Macaca mulatta) and squirrel (Saimiri sciureus) monkeys due to Mycobacterium tuberculosis phage type B. Outbreak in a primate colony. Mayhall CG, et al. **J Med Primatol** 1981;10(6):302–11

Rabies in kudus (Tragelaphus strepsiceros) in South West Africa/Namibia. Barnard BJ, et al. **J S Afr Vet Assoc** 1981 Dec;52(4):309–14

Fatal pneumonia of bighorn sheep following association with domestic sheep. Foreyt WJ, et al. **J Wildl Dis** 1982 Apr; 18(2):163–8

An outbreak of hepatitis in marmosets in a zoological collection. Lucke VM, et al. **Lab Anim** 1982 Jan;16(1):73–7

Salmonella livingstone salmonellosis in laboratory mice: successful containment and treatment of the disease. Simpson W, et al. **Lab Anim** 1981 Jul;15(3):261–2

Poxvirus infection in a colony of common marmosets (Callithrix jacchus). Gough AW, et al. **Lab Anim Sci** 1982 Feb;32(1):87–90

Mousepox in the Netherlands. Osterhaus AD, et al. **Lab Anim Sci** 1981 Dec;31(6):704–6

Occurrence of bovine dermatophilosis in the southernmost islands of Japan. Kinjo E, et al. **Natl Inst Anim Health Q (Tokyo)** 1981 Winter;21(4):163–74

Tracing outbreaks of foot-and-mouth disease [news] Brooksby JB. **Nature** 1981 Oct 8;293(5832):431–2

Biochemical identification of viruses causing the 1981 outbreaks of foot and mouth disease in the UK. King AM, et al. **Nature** 1981 Oct 8;293(5832):479–80

Mink enteritis in Japan. II. Epidemiology of the disease. Higashihara T, et al. **Nippon Juigaku Zasshi** 1981 Dec; 43(6):929–31

An association of a Lolium endophyte with ryegrass staggers [letter] Fletcher LR, et al. **NZ Vet J** 1981 Oct;29(10):185–6

Isolation of viruses from outbreaks of suspected tenosynovitis (viral arthritis) in chickens. Jones RC, et al. **Res Vet Sci** 1981 Jul;31(1):100–3

An epidemic of swine influenza in Japan. Sugimura T, et al. **Res Vet Sci** 1981 Nov;31(3):345–9

Mass mortality of harbor seals: pneumonia associated with influenza A virus. Geraci JR, et al. **Science** 1982 Feb 26; 215(4536):1129–31

Mortality among cattle and buffaloes in Sri Lanka due to haemorrhagic septicaemia. de Alwis MC. **Trop Anim Health Prod** 1981 Nov;13(4):195–202

Corynebacterial infection of cattle in Kenya. Kariuki DP, et al. **Trop Anim Health Prod** 1982 Feb;14(1):33–6

Value and limitations of haematology in viral infections in horses. Allen BV, et al. **Vet Rec** 1982 Apr 10;110(15):348

Suspected outbreak of infection in calves caused by Salmonella bovis morbificans. Andrews AH, et al. **Vet Rec** 1982 Apr 10;110(15):362

Field and laboratory studies of equine influenza viruses isolated in 1979. Burrows R, et al. **Vet Rec** 1981 Oct 17; 109(16):353–6

Leg paralysis in pheasant poults (Phasianus colchicus) due to spinal aspergillosis. Bygrave AC. **Vet Rec** 1981 Dec 5; 109(23):516

An outbreak of paresis in mares and geldings associated with equid herpesvirus 1. Crowhurst FA, et al. **Vet Rec** 1981 Dec 12;109(24):527–8

Use of prediction models to forecast and analyse airborne spread during the foot-and-mouth disease outbreaks in Brittany, Jersey and the Isle of Wight in 1981. Donaldson AI, et al. **Vet Rec** 1982 Jan 16;110(3):53–7

Bovine virus diarrhoea in Egypt [letter] Ghaffar SA, et al. **Vet Rec** 1982 Jun 12;110(23):566

Outbreaks of Pasteurella multocida septicaemia in fallow deer (Dama dama). Jones TO, et al. **Vet Rec** 1982 May 8; 110(19):451–2

Isolation of Mycoplasma californicum from an outbreak of bovine mastitis and the experimental reproduction of the disease. Mackie DP, et al. **Vet Rec** 1982 Jun 19; 110(25):578–80

Canine parvovirus infection in housed raccoon dogs and foxes in Finland. Neuvonen E, et al. **Vet Rec** 1982 May 8;110(19):448–9

High-fever syndrome in pigs. Pedersen KB, et al. **Vet Rec** 1981 Dec 12;109(24):537

Observations on clinical aspects of transmissible gastroenteritis of pigs in Norfolk and Suffolk, 1980–81. Pritchard GC. **Vet Rec** 1982 May 15;110(20):465–9

Canine parvovirus infection in Australia during 1980. Sabine M, et al. **Vet Rec** 1982 Jun 12;110(23):551–3

Rift Valley fever, Egypt 1977: disease spread by windborne insect vectors? Sellers RF, et al. **Vet Rec** 1982 Jan 23; 110(4):73–7

Weather and animal well-being. Starr JR. **Vet Rec** 1981 Jul 18;109(3):49–50 (25 ref.)

Investigation into the spread of swine dysentery in 25 herds of East Anglia and assessment of its economic significance in five herds. Windsor RS, et al. **Vet Rec** 1981 Nov 28; 109(22):482–4

Vaccine causes an outbreak of bovine virus diarrhea (BVD). Howlett JR. **VM SAC** 1981 Dec;76(12):1719–21

Outbreak of respiratory disease in a feedlot in eastern Kansas. Keister DM. **VM SAC** 1981 Jul;76(7):1039–42

Serological evidence for the intervention of bovine

respiratory syncytial virus in a respiratory disease outbreak in Moroccan cattle. Mahin L, et al. **Zentralbl Veterinarmed** [B] 1982 Feb;29(1):76–9

Some observations on the occurrence of lumpy skin disease in Nigeria. Nawathe DR, et al. **Zentralbl Veterinarmed** [B] 1982 Feb;29(1):31–6

[Influenza epizootic in swine due to strain A (Victoria/3/75 H3N2)] Milev N, et al. **Vet Med Nauki** 1981;18(4):10–6 (Eng. Abstr.) **(Bul)**

[Mucosal disease virus as a cause of enzootic abortion in cattle in Czechoslovakia] Menšik J, et al. **Vet Med (Praha)** 1981 Aug;26(8):457–68 (Eng. Abstr.) **(Cze)**

[Porcine babesiosis epizootic due to Babesia perroncitoi, Cerruti 1939 in Senegal] Vercruysse J, et al. **Ann Soc Belg Med Trop** 1981 Mar;61(1):125–31 (Eng. Abstr.) **(Fre)**

[Contagious reservoir of agalactia in goats caused by Mycoplasma agalactiae in Senegal] Doutre M, et al. **Rev Elev Med Vet Pays Trop** 1981;34(1):11–4 (Eng. Abstr.) **(Fre)**

[Transmissible gastroenteritis in a swine-raising unit of 1,200 productive sows. 1. Clinical course, disease control and piglet loss] Lutter K, et al. **Arch Exp Veterinarmed** 1981; 35(6):817–23 (Eng. Abstr.) **(Ger)**

[Cases of Paresis and Paralysis in a German Thoroughbred Stud (author's transl)] Petzoldt K, et al. **Berl Munch Tierarztl Wochenschr** 1982 Mar 1;95(5):81–5 (Eng. Abstr.) **(Ger)**

[Governmental control of epidemics in fresh water fish—a new veterinary task] Steinbrecher H, et al. **Berl Munch Tierarztl Wochenschr** 1981 Oct 15; 94(20):409–10 **(Ger)**

[Myopathy in fattened turkeys caused by Yersinia pseudotuberculosis (author's transl)] Hinz KH, et al. **DTW** 1981 Sep 5;88(9):352–4 (Eng. Abstr.) **(Ger)**

[Virus neutralizing antibody levels following acute IBR] Rüsch P, et al. **Schweiz Arch Tierheilkd** 1981 Aug; 123(8):419–27 (Eng. Abstr.) **(Ger)**

[Mastitis in a SPF-mouse colony] Gialamas J. **Z Versuchstierkd** 1981;23(5):274–7 (Eng. Abstr.) **(Ger)**

[Etiology of erythrodermatitis of the carp] Schulz D, et al. **Zentralbl Veterinarmed** [B] 1981;28(6):450–82 (Eng. Abstr.) **(Ger)**

[Canine parvovirus infection in a group of beagles (author's transl)] Baba M, et al. **Jikken Dobutsu** 1981 Apr;30(2):141–4 (Eng. Abstr.) **(Jpn)**

[Outbreak and control of Sendai virus infection in mouse breeding colonies (author's transl)] Miura K, et al. **Nippon Juigaku Zasshi** 1981 Jun;43(3):399–409 (Eng. Abstr.) **(Jpn)**

[Canine cutaneous leishmaniasis in Venezuela] Bonfante-Garrido R, et al. **Bol Of Sanit Panam** 1981 Aug; 91(2):160–5 (Eng. Abstr.) **(Spa)**

DISEASE RESERVOIRS

see related
CARRIER STATE
COMMUNICABLE DISEASE CONTROL
DISEASE VECTORS
ZOONOSES

The global eradication of smallpox. Strassburg MA. **Am J Infect Control** 1982 May;10(2):53–9

Note on a new focus of schistosomiasis (S. mansoni) in Rwanda. Hanotier J, et al. **Ann Soc Belg Med Trop** 1981 Mar;61(1):93–8

Investigation of hospital infection from a damaged mattress and the demonstration of its mechanism. Lilly HA, et al. **Burns Incl Therm Inj** 1982 Jul;8(6):408–13

The possible role of farm animals, dogs and rodents as reservoir hosts for human schistosomes in Dakahlia Governorate, Egypt. Abou-Shady AF, et al. **J Egypt Soc Parasitol** 1981 Jun;11(1):119–2

Kala-azar in Portugal. I. Attempts to find a wild reservoir. Abranches P, et al. **J Trop Med Hyg** 1982 Jun;85(3):123–6

The role of water in relation to diarrhoeal disease. Cutting WA, et al. **J Trop Med Hyg** 1982 Feb;85(1):31–9

The opossum, Didelphis marsupialis (Marsupialia: Didelphidae), as a reservoir host of Leishmania braziliensis guyanensis in the Amazon Basin of Brazil. Arias JR, et al. **Trans R Soc Trop Med Hyg** 1981;75(4):537–41

Dermal leishmaniasis in French Guiana: the sloth (Choloepus didactylus) as a reservoir host [letter] Gentile B, et al. **Trans R Soc Trop Med Hyg** 1981;75(4):612–3

The importance of edentates (sloths and anteaters) as primary reservoirs of Leishmania braziliensis guyanensis, causative agent of 'pianbois' in north Brazil [letter] Lainson R, et al. **Trans R Soc Trop Med Hyg** 1981;75(4):611–2

Bacteriological survey of leptospirosis in Zaria, Nigeria. Diallo AA, et al. **Trop Geogr Med** 1982 Mar;34(1):29–34

Epidemiological studies on the animal reservoir of gambiense sleeping sickness. Part II. Parasitological and immunodiagnostic examination of the human population. Felgner P, et al. **Tropenmed Parasitol** 1981 Sep;32(3):134–40

Epidemiological studies on the animal reservoir of gambiense sleeping sickness. Part I. Review of literature and description of the study areas. Mehlitz D, et al. **Tropenmed Parasitol** 1981 Sep;32(3):129–33

[Discovery of a permanent passage of avian coccidia during the study of an amebiasis reservoir at a psychiatric center] Chaker E, et al. **Bull Soc Pathol Exot Filiales** 1982 Mar-Apr;75(2):151–4 **(Fre)**

[Ecology of a cutaneous leishmaniasis focus in the Thies region (Senegal, West Africa). 5. Spontaneous infection and disease reservoir role of various wild rodent species] Dedet JP, et al. **Bull Soc Pathol Exot Filiales** 1981 Jan-Feb; 74(1):71–7 (Eng. Abstr.) **(Fre)**

[Meriones shawi (Duvernoy, 1842) [Rodentia, Gerbillidae] a reservoir of Leishmania major, Yakimoff and Schokhor, 1914 [Kinetoplastida, Trypanosomatidae] in South Morocco (author's transl)] Rioux JA, et al. **C R Seances Acad Sci [III]** 1982 Mar 15;294(11):515–7 (Eng. Abstr.) **(Fre)**

[Recent detection of a schistosomiasis focus with S. mansoni in a high region of Rwanda (author's transl)] Vimont Vicary MP. **Med Trop (Mars)** 1981 Nov-Dec;41(6):653–6 (Eng. Abstr.) **(Fre)**

[Larval toxocariasis in the human. I. Parasite egg findings in Prague parks] Bozděch V. **Angew Parasitol** 1981 May; 22(2):71–7 **(Ger)**

[Microsporum canis outbreak caused by pedigree cats in the Karl-Marx city area] Schwäblein-Sprafke U, et al. **Dermatol Monatsschr** 1982 Feb;168(2):105–10 (Eng. Abstr.) **(Ger)**

[The transmission of tick-borne encephalitis in Switzerland. An attempt at establishing a register of natural reservoirs for a seroepidemiologic examination of forest personnel in the middle of the country] Matile H, et al. **Schweiz Med Wochenschr** 1981 Aug 29;111(35):1262–9 (Eng. Abstr.) **(Ger)**

[The transmission of tubercle bacilli] Van Geuns HA. **Z Erkr Atmungsorgane** 1982;158(1-2):125–9 (Eng. Abstr.) **(Ger)**

[Disinfection – destruction of small animals] Lustig B. **ZFA (Stuttgart)** 1981 Nov 20;57(32):2215–20 **(Ger)**

[Fluorine and cations in the soils of an endemic fluorosis area. III] Rapisarda E, et al. **Minerva Stomatol** 1982 Jan-Feb;31(1):39–42 (Eng. Abstr.) **(Ita)**

[Epidemiological features of cutaneous leishmaniasis americana in an endemic region of the state of Bahia, Brazil. I. Human leishmaniasis] Barretto AC, et al. **Bol Of Sanit Panam** 1981 May;90(5):415–24 (Eng. Abstr.) **(Por)**

[Response, to polymyxin, of plague microbe strains isolated from various natural foci and of their mutants with a decreased requirement in nutritional factors] Martinevskiĭ IL, et al. **Antibiotiki** 1981 Sep;26(9):687–9 (Eng. Abstr.) **(Rus)**

[Endemic diseases and the body's internal environment] Beliaev II, et al. **Gig Sanit** 1982 Feb;(2):64–6 (32 ref.) **(Rus)**

[Role of the soil reservoir of Clostridium tetani in the endemicity of tetanus in Krasnodar Territory] Pasechnik AL, et al. **Gig Sanit** 1981 Jun;(6):89 **(Rus)**

[Use of chemotherapeutic preparations in regions with a spread of chloroquine-resistant tropical malaria] Orlov VS. **Med Parazitol (Mosk)** 1981 Jul-Aug;50(4):23–6 (Eng. Abstr.) **(Rus)**

[Focal nature of the spread of congenital hip dislocation] Dogonadze MA. **Ortop Travmatol Protez** 1981 Sep;(9):12–5 (Eng. Abstr.) **(Rus)**

[Methodological instructions for classifying tuberculosis foci and for the performance and quality control of disinfection measures in tuberculosis] **Probl Tuberk** 1981 Jun;(6):64–75 **(Rus)**

[Assessment of the epidemiological hazard of tuberculosis infection foci from tuberculosis infectivity and morbidity in children and adolescents] Melkumov GA, et al. **Probl Tuberk** 1982 Mar;(3):16–20 (Eng. Abstr.) **(Rus)**

[Immunity indices in children in herpetic stomatitis foci] Antonova NI. **Stomatologiia (Mosk)** 1981;60(4):56–8 (Eng. Abstr.) **(Rus)**

[New data on diseases of natural foci in regions of Amur Province, Khabarovsk Territory] Agaf nov VI, et al. **Tr Inst Pastera** 1980;55:38–40 **(Rus)**

[Serological study of postvaccinal measles immunity in the absence of a booster effect and in measles foci] Chudnaia LM, et al. **Tr Inst Pastera** 1979;53:71–5 (Eng. Abstr.) **(Rus)**

[Interrelations of Borrelia and Ornithodorus in connection with the maintenance of natural foci of tick-borne relapsing fever] Gromov OA, et al. **Tr Inst Pastera** 1980;55:91–4 **(Rus)**

[Theory of Academician E. N. Pavlovskiĭ on natural disease foci in an epoch of scientific and technical progress] Ivanov KG, et al. **Tr Inst Pastera** 1980;55:5–10 **(Rus)**

[Landscape and epidemiological characteristics of foci of tick-borne encephalitis on the Karelian Isthmus] Kuznetsova RI, et al. **Tr Inst Pastera** 1980;55:44–7 **(Rus)**

[Tularemia epizootic in the suburbs of Leningrad] Liutov IuG, et al. **Tr Inst Pastera** 1980;55:51–4 **(Rus)**

[Serological research results on infections of natural foci in Leningrad and Leningrad Province (1968–1977)] Vasil'eva LD, et al. **Tr Inst Pastera** 1980;55:65–70 **(Rus)**

[Infections with natural foci in the Far North of the European region of the USSR] Vygovskiĭ AA, et al. **Tr Inst Pastera** 1980;55:40–4 **(Rus)**

[Migration of sandflies in various natural foci of cutaneous leishmaniasis in Central Asia] Zhogolev DT, et al. **Tr Inst Pastera** 1980;55:95–9 **(Rus)**

[Epidemiological characteristics of zooanthroponotic microsporosis] Sheklakov ND, et al. **Vestn Dermatol Venerol** 1981 Dec;(12):27–33 (Eng. Abstr.) **(Rus)**

[Epidemiological importance of Yersinia transmission routes and factors in pseudotuberculosis foci] Kuznetsov VG. **Voen Med Zh** 1981 Nov;(11):37–9 **(Rus)**

[Esophageal and stomach pathology of residents in areas characterized by a high incidence of esophageal cancer morbidity] Aleksandrova NM, et al. **Vopr Onkol** 1982; 28(4):11–4 (Eng. Abstr.) **(Rus)**

[Biological properties of tick-borne encephalitis strains isolated in different parts of its geographic range] Bannova GG, et al. **Vopr Virusol** 1982 Jan-Feb;(1):41–5 (Eng. Abstr.) **(Rus)**

[Demonstration of the virus of hemorrhagic fever with renal syndrome in the organs of rodents from natural foci of the infection in the USSR and the serodiagnosis of the diseases] Chumakov MP, et al. **Vopr Virusol** 1981 Nov-Dec;(6):757–61 (Eng. Abstr.) **(Rus)**

[Epidemiology and epizootiology of leptospirosis due to circulation of various serological variants of Leptospira] Chernokozinskiĭ AA. **Vrach Delo** 1981 Oct;(10):118–9 **(Rus)**

[Topology of regions endemic for tularemia in Kazakhstan and Middle Asia] Baĭtanaev OA, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1981;(8):92–4 (Eng. Abstr.) **(Rus)**

[Evaluation, based on experimental data, of the coefficients of a mathematical model of a meningococcal infection focus] Berezhnoĭ VF, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1982 Mar;(3):110–3 (Eng. Abstr.) **(Rus)**

[Reptiles, the chief reservoir of Edwardsiella in nature] Kalina GP, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1981 Jul;(7):93–9 (Eng. Abstr.) **(Rus)**

[Detection and characteristics of foci of arbovirus infection in the Kazakh region] Karimov SK. **Zh Mikrobiol Epidemiol Immunobiol** 1982 Jun;(6):29–33 (Eng. Abstr.) **(Rus)**

[Wild birds and salmonelloses] Kovalev GK. **Zh Mikrobiol Epidemiol Immunobiol** 1982 Feb;(2):7–12 (49 ref.) **(Rus)**

[Activation of natural tularemia foci of the field-meadow and steppe types on the territory of Tula Province 1977–1978] Levacheva ZA, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1982 Mar;(3):36–40 (Eng. Abstr.) **(Rus)**

[Analysis of the formation and dynamics of the 'outside the body' portion of a population of the causative agent in a natural focus of leptospirosis] Litvin VIu, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1982 Mar;(3):32–5 (Eng. Abstr.) **(Rus)**

[Correlations of the indices of tick-borne encephalitis morbidity in the Maritime Territory with natural factors] Okulova NM, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1982 Jan;(1):63–7 (Eng. Abstr.) **(Rus)**

[Water and aquatic organisms as the host of Yersinia pseudotuberculosis] Shchubin FN, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1981 Oct;(10):107 **(Rus)**

[Results of prolonged study of flood plain-swamp endemic foci of tularemia, and its prophylaxis in the Leningrad Region] Ul'ianova NI, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1982 Feb;(2):104–7 (Eng. Abstr.) **(Rus)**

[Detection of a natural focus of tick-borne encephalitis in Central Slovakia. I. Results of isolation experiments and serological surveys (author's transl)] Grešíková M, et al. **Bratisl Lek Listy** 1982 Mar;77(3):257–63 (Eng. Abstr.) **(Slo)**

[Detection of a natural focus of tick-borne encephalitis in Central Slovakia. II. Synecology of the tick-borne encephalitis virus in middle Považie (author's transl)] Nosek J, et al. **Bratisl Lek Listy** 1982 Mar;77(3):264–9 (Eng. Abstr.) **(Slo)**

[Natural focus of tick-borne encephalitis of the mountain-type (author's transl)] Nosek J, et al. **Cesk Epidemiol Mikrobiol Imunol** 1982 May;31(3):169–72 (Eng. Abstr.) **(Slo)**

[Ecological notes on the circulation of arboviruses in the northern coast of Havana province] Fernández Martínez A, et al. **Rev Cubana Med Trop** 1981 Jan-Apr;33(1):58–63 (Eng. Abstr.) **(Spa)**

[Fluvial mollusks of Santa Clara and their medical importance] Perera de Puga G, et al. **Rev Cubana Med Trop** 1981 May-Aug;33(2):110–3 (Eng. Abstr.) **(Spa)**

VETERINARY

Bluetongue virus in pregnant elk and their calves. Stott JL, et al. **Am J Vet Res** 1982 Mar;43(3):423–8

Isolation of salmonella and some other potential pathogens from two chicken breeding farms in Saudi Arabia. Barbour EK, et al. **Avian Dis** 1982 Apr-Jun;26(2):234–44

Small terrestrial mammals as reservoirs of leptospires in the Sava Valley (Croatia). Borčić B, et al. **Folia Parasitol (Praha)** 1982;29(2):177–82

[The rabies in Lower Saxony and Hessen in the years 1970–1980; a critical evaluation about the combating methods especially about the activities of gasing to the populations of foxes and badgers and also just to the development of rabies (author's transl)] Irmer S, et al. **DTW** 1981 Jun 5;88(6):248–52 (Eng. Abstr.) **(Ger)**

DISEASE RESISTANCE see IMMUNITY, NATURAL

DISEASE SUSCEPTIBILITY

see related
HEMORRHAGIC DIATHESIS

Children's perception of vulnerability to illness and dental disease. Wright FA. **Community Dent Oral Epidemiol** 1982 Feb;10(1):29–32

The effect of splenectomy on gram–negative bacteremia. Scher KS, et al. **J Trauma** 1982 May;22(5):407–9

Genetics of resistance to infection [editorial] **Lancet** 1982 Jun 26;1(8287):1446–7

Health risk appraisal: process, problems, and prospects for nursing practice and research. Doerr BT, et al. **Nurs Res** 1981 Sep–Oct;30(5):299–306

Health risk appraisal: some methodologic considerations. Goetz AA, et al. **Nurs Res** 1981 Sep–Oct;30(5):307–13

The age–dependence of disorders of aging: implications for studies of twins. Burch PR. **Prog Clin Biol Res** 1981;69 Pt C:179–85

Nutritional status and susceptibility to disease: chairman's introduction. Chandra RK. **Prog Clin Biol Res** 1981; 77:431–3

Stress and bodily illness. Cohen F. **Psychiatr Clin North Am** 1981 Aug;4(2):269–86 (134 ref.)

[Sex differences in morbidity and mortality] Giersdorf P, et al. **Z Arztl Fortbild (Jena)** 1981 Mar 1;75(5):193–7 **(Ger)**

FAMILIAL & GENETIC

Inherited susceptibility, ovine brain consumption and Creutzfeldt–Jakob disease (CJD) [letter] Mitrova E, et al. **J Neurol** 1981;226(3):219–20

Predictive identification of hypersusceptible individuals. Omenn GS. **JOM** 1982 May;24(5):369–74 (35 ref.)

IMMUNOLOGY

The coexistence of rheumatoid arthritis with Reiter's syndrome and/or ankylosing spondylitis: a model of dual HLA–associated disease susceptibility and expression. Alexander EL, et al. **J Rheumatol** 1981 May–Jun; 8(3):398–404

[Physiological reactions to stress. Stress and immunity] Kater L, et al. **Ned Tijdschr Geneeskd** 1981 Oct 10;125(41):1651–3 **(Dut)**

[The HLA system and susceptibility to diseases] Degos ML. **Bull Acad Natl Med (Paris)** 1981 Jan;165(1):97–101 (Eng. Abstr.) **(Fre)**

[Diseases associated with the HLA histocompatibility system] Mejias E. **Bol Asoc Med PR** 1981 Apr;73(4):203–7 **(Spa)**

PHYSIOPATHOLOGY

Loss of physical function and disability: health problems of older people. Jernigan JA. **J Rehabil** 1981 Oct–Dec; 47(4):34–7

PSYCHOLOGY

Psychosocial forces and neural mechanisms in disease: defining the question and collecting the evidence. Wolf S. **Johns Hopkins Med J** 1982 Mar;150(3):95–100

DISEASE VECTORS

Parafilaria bovicola (Tubangui 1934) in cattle: epizootiology–Vector studies and experimental transmission of Parafilaria bovicola to cattle. Bech–Nielsen S, et al. **Am J Vet Res** 1982 Jun;43(6):948–54

Role of the rat in the transmission of porcine parvovirus. Cutler R, et al. **Am J Vet Res** 1982 Mar;43(3):493–6

Antibodies to spotted fever–group rickettsiae in dogs and prevalence of infected ticks in southern Connecticut. Magnarelli LA, et al. **Am J Vet Res** 1982 Apr;43(4):656–9

Experimental transmission of Cowdria ruminantium by the Gulf coast tick Amblyomma maculatum: danger of introducing heartwater and benign African theileriasis onto the American mainland. Uilenberg G. **Am J Vet Res** 1982 Jul;43(7):1279–82

Regulation of the prevalence and severity of filariasis: immunity or ecology? Grove DI. **Ann Acad Med Singapore** 1981 Jan;10(1):120–31 (85 ref.)

The Australian brown dog tick Rhipicephalus sanguineus as an experimental parasite of cattle and vector of Anaplasma marginale. Parker RJ. **Aust Vet J** 1982 Feb;58(2):47–50

Raccoon ascarid larvae as a cause of fatal central nervous system disease in subhuman primates. Kazacos KR, et al. **J Am Vet Med Assoc** 1981 Dec 1;179(11):1089–94

An unusual sequel to imported Salmonella zanzibar. Johnston WS, et al. **J Hyg (Lond)** 1981 Dec;87(3):525–8

Note on a possible agent for the biological control of schistosomiasis. [letter] Ross W. **J Trop Med Hyg** 1982 Apr; 85(2):88

Population studies on Oncomelania quadrasi, the snail intermediate host of Schistosoma japonicum, in the Philippines. 2. Necessary sample size for snail density survey. Makiya K, et al. **Jpn J Exp Med** 1981 Dec; 51(6):331–4

Armigeres subalbatus incriminated as an important vector of the dog heartworm Dirofilaria immitis and the bird Cardiofilaria in urban Kuala Lumpur. Cheong WH, et al. **Southeast Asian J Trop Med Public Health** 1981 Dec; 12(4):611–2

A survey of scrub and murine typhus in the Ancol section of Jakarta, Indonesia. Dennis DT, et al. **Southeast Asian J Trop Med Public Health** 1981 Dec; 12(4):574–80

Resistance of disease vectors to pesticides: present status. **WHO Chron** 1981;35(4):143–8

[Epidemiologic study of S. haematobium bilharziasis in the rice fields of Yagoua (North Cameroon) II. Distribution and ecology of intermediate hosts] Wibaux–Charlois M, et al. **Bull Soc Pathol Exot Filiales** 1982 Jan–Feb; 75(1):72–93 (Eng. Abstr.) **(Fre)**

[Little savage mammalians: free–living amoebae vectors? (author's transl)] Simitzis–Le Flohic AM, et al. **Med Trop (Mars)** 1982 May–Jun;42(3):275–9 (Eng. Abstr.) **(Fre)**

[Q–fever in a rehabilitation center for drug addicts] Gerth HJ, et al. **Off Gesundheitswes** 1982 Jun;44(6):361–4 **(Ger)**

[Demonstration of endoparasites in birds of the Basle Zoological Garden. What is the role of wild birds as disease carriers?] Wagner A, et al. **Schweiz Arch Tierheilkd** 1981 Sep;123(9):467–81 (Eng. Abstr.) **(Ger)**

[Disinfection – destruction of small animals] Lustig B. **ZFA (Stuttgart)** 1981 Nov 20;57(32):2215–20 **(Ger)**

[Cultivation of mollusks, the intermediate hosts of schistosomes (a review of the literature)] Zelia OP, et al. **Med Parazitol (Mosk)** 1981 Jul–Aug;50(4):73–80 (Eng. Abstr.) **(Rus)**

[Probable routes of the cycle in the nature of the causative agent of hemorrhagic fever with renal syndrome] Rechkin VI, et al. **Tr Inst Pastera** 1980;55:32–8 **(Rus)**

[Importance of the racoon dog in the epidemiology and epizootiology of rabies in the Far East] Botvinkin AD, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1981 Dec; (12):79–82 (Eng. Abstr.) **(Rus)**

[Wild birds and salmonelloses] Kovalev GK. **Zh Mikrobiol Epidemiol Immunobiol** 1982 Feb;(2):7–12 (49 ref.) **(Rus)**

[Phlebotominae in an area of diffuse cutaneous leishmaniasis in Venezuela] Bonfante–Garrido R, et al. **Bol Of Sanit Panam** 1981 May;90(5):410–4 (Eng. Abstr.) **(Spa)**

[Multidisciplinary surveillance program for infectious diseases in areas adjacent to the Transamazon Highway in Brazil. III. Study of mammals] Peterson NE, et al. **Bol Of Sanit Panam** 1981 Oct;91(4):324–39 (Eng. Abstr.) **(Spa)**

[Angiostrongylus cantonensis. Intermediate hosts in the 2 Havana provinces] Aguiar Prieto PH, et al. **Rev Cubana Med Trop** 1981 Sep–Dec;33(3):173–7 (Eng. Abstr.) **(Spa)**

[Bradybaena similaris (Ferussac): intermediate host of Angiostrongylus cantonensis in Cuba] Jaume ML, et al. **Rev Cubana Med Trop** 1981 Sep–Dec;33(3):207–9 (Eng. Abstr.) **(Spa)**

DRUG EFFECTS

Progress in malaria vector control. Pant CP, et al. **Bull WHO** 1981;59(3):325–33

IMMUNOLOGY

Serological investigations of urban and rural commensal rodent plague in Maharashtra. Renapurkar DM. **J Commun Dis** 1981 Jun;13(2):110–4

PHYSIOLOGY

Laboratory studies on the biology of Mesocyclops leuckarti (Claus). Sharma SK, et al. **J Commun Dis** 1981 Jun; 13(2):115–20

DISEASES IN TWINS

Psoriasis in monozygotic twins: variations in expression in individuals with identical genetic constitution. Brandrup F, et al. **Acta Derm Venereol (Stockh)** 1982;62(3):229–36

Genetic models of affective disorder: application to twin data. Baron M. **Acta Genet Med Gemellol (Roma)** 1980; 29(4):289–94

Dissimilar effects of thalidomide in dizygotic twins. Schmidt M, et al. **Acta Genet Med Gemellol (Roma)** 1980;29(4):295–7

Prenatal diagnosis of multicystic kidney by ultrasound. Legarth J, et al. **Acta Obstet Gynecol Scand** 1981; 60(5):523–4

Hydrops fetalis caused by maternal indomethacin treatment. Mogilner BM, et al. **Acta Obstet Gynecol Scand** 1982; 61(2):183–5

Extrahepatic biliary atresia in one of twins. Werlin SL. **Acta Paediatr Scand** 1981 Nov;70(6):943–4

Thanatophoric dysplasia of identical twins. Sato D, et al. **Acta Pathol Jpn** 1981 Sep;31(5):895–902

Traumatic dislocation of the radial head at birth. Danielsson LG, et al. **Acta Radiol [Diagn] (Stockh)** 1981;22(3B):379–82

The 'Hutchinson twins'. Trau H. **Am J Dermatopathol** 1982 Jun;4(3):223–4

An unusual cardiac arrhythmia caused by hypocalcemia. Fishbein JT, et al. **Am J Dis Child** 1982 Apr;136(4):372–3

Transient erythroblastopenia of childhood. Review of 17 cases, including a pair of identical twins. Labotka RJ, et al. **Am J Dis Child** 1981 Oct;135(10):937–40

Contribution of familial factors to the occurrence of cancer before old age in twin veterans. Hrubec Z, et al. **Am J Hum Genet** 1982 Jul;34(4):658–71

Autosomal mosaicism in amniotic fluid cells from a twin pregnancy. Greenberg F, et al. **Am J Med Genet** 1982 Jan; 11(1):109–12

Clinicopathological conference: a newborn monozygotic twin with abnormal facial appearance and respiratory insufficiency. Juberg RC, et al. **Am J Med Genet** 1981; 10(2):193–200

Monozygotic twins discordant for trisomy 21. Rogers JG, et al. **Am J Med Genet** 1982 Feb;11(2):143–6

Neurofibromatosis in monozygotic twins: a case report of spontaneous mutation. Vaughn AJ, et al. **Am J Med Genet** 1981;8(2):155–8

Hematology problem. Auerbach W, et al. **Am J Med Technol** 1982 Jan;48(1):47–8

Fetus papyraceus: an unreported congenital anomaly of the surviving infant. Baker VV, et al. **Am J Obstet Gynecol** 1982 May 15;143(2):234

The 4p–syndrome in a 24–year–old female. Fryns JP, et al. **Ann Genet (Paris)** 1981;24(2):110–1

Congenital cholinergic nervous system dysfunction in identical twins. Kien CL, et al. **Ann Neurol** 1981 Dec; 10(6):576–9

Spasmus nutans in identical twins. Katzman B, et al. **Ann Ophthalmol** 1981 Oct;13(10):1193–5

Giant pigmented nevus occurring in one identical twin. Amir J, et al. **Arch Dermatol** 1982 Mar;118(3):188–9

Copper from cooking utensils as a cause of Indian childhood cirrhosis? [letter] Bhandari B, et al. **Arch Dis Child** 1982 Apr;57(4):323

Possible risk factors in multiple sclerosis as found in a national twin study. Currier RD, et al. **Arch Neurol** 1982 Mar; 39(3):140–4

Umbilical–cord torsion, thrombosis, and intrauterine death of a twin fetus [letter] Colgan TJ, et al. **Arch Pathol Lab Med** 1982 Feb;106(2):101

New methods to separate artifacts from normal and defective breathing patterns in different sleep–states, if infants are monitored at home. Jeffery H, et al. **Aust NZ J Med** 1981 Aug;11(4):406–11

Intrapair similarity in frequency of disfluency in monozygotic and dizygotic twin pairs containing stutterers. Howie PM. **Behav Genet** 1981 May;11(3):227–38

Wernicke–Korsakoff syndrome in monozygotic twins: a biochemical peculiarity. Leigh D, et al. **Br J Psychiatry** 1981 Aug;139:156–9

Effects of neuroleptic drugs on MAO activity [letter] Reveley AM, et al. **Br J Psychiatry** 1981 Nov;139:475–6

Hippel–Lindau syndrome in identical twins. Wesolowski DP, et al. **Br J Radiol** 1981 Nov;54(647):982–6

Homosexuality, sexual dysfunction, and incest in male identical twins. Myers MF. **Can J Psychiatry** 1982 Mar; 27(2):144–7

Synthesis of a viral protein with molecular weight of 30,000 (p30) by leukemic cells and antibodies cross–reacting with Simian sarcoma virus p30 in serum of a chronic myeloid leukemia patient. Derks JP, et al. **Cancer Res** 1982 Feb; 42(2):681–6

Twins discordant for Down's syndrome. Benke PJ. **Clin Genet** 1982 Feb;21(2):104–6

Psychoses in twins – a longitudinal study. Introductory clinical report. Eberhard G. **Clin Genet** 1981 May; 19(5):372–9

Erythrocyte catechol–O–methyltransferase activity in psychotic twins. Floderus Y, et al. **Clin Genet** 1981 May; 19(5):386–9

Increased amnionic fluid alpha–fetoprotein due to a holoacardium amorphous twin. Harger JH, et al. **Clin Genet** 1981;19(4):257–61

Kinetic aspects of monoamine oxidase activity in twins with psychoses. Koide Y, et al. **Clin Genet** 1981 May; 19(5):395–400

Pure XX gonadal dysgenesis in identical twins. Youlton R, et al. **Clin Genet** 1982 Apr;21(4):262–5

A family with a dominant form of idiopathic Fanconi syndrome leading to renal failure in adult life. Patrick A, et al. **Clin Nephrol** 1981 Dec;16(6):289–92

Concordant optic glioma in a pair of monozygotic twins with neurofibromatosis. Cartwright SC. **Clin Pediatr (Phila)** 1982 Apr;21(4):236–8

Issues of separation related to psychosis in twins. Drucker M, et al. **Compr Psychiatry** 1982 Mar–Apr;23(2):136–42

Achalasia in monozygotic twins. Stein DT, et al. **Dig Dis Sci** 1982 Jul;27(7):636–40

Neonatal small left colon syndrome in twins. Cohen MD, et al. **Gastrointest Radiol** 1982;7(3):283–6

Anorexia nervosa in identical twins. Moskovitz RA, et al. **Hosp Community Psychiatry** 1982 Jun;33(6):484–5

Acute leukaemia and the same chromosome abnormality in monozygotic twins. Hartley SE, et al. **Hum Genet** 1981; 58(4):408–10

Ascertainment bias for non–twin relatives in twin proband studies. Rice J, et al. **Hum Hered** 1982;32(3):202–7

Monocular deprivation in humans: a study of identical twins. Johnson CA, et al. **Invest Ophthalmol Vis Sci** 1982 Jul; 23(1):135–8

Carcinoma lobulare in situ B in monozygotic twins. Holzgreve W, et al. **J Cancer Res Clin Oncol** 1982; 103(2):203–6

Cephalothoracic lipodystrophy with hypocomplementemic renal disease: discordance in identical twin sisters. Bier DM, et al. **J Clin Endocrinol Metab** 1978 May;46(5):800–7

Review: the Michigan cleft twin study. Hunter WS. **J Craniofac Genet Dev Biol** 1981;1(2):235–42

Lipodystrophia centrifugalis abdominalis infantilis in dizygotic twins. Mizoguchi M, et al. **J Dermatol (Tokyo)** 1982 Apr;9(2):139–43

Antenatal diagnosis of Niemann-Pick disease in a twin pregnancy. Donnai P, et al. **J Med Genet** 1981 Oct; 18(5):359–61

Monozygotic twins discordant for rubinstein–taybi syndrome. Kajii T, et al. **J Med Genet** 1981 Aug;18(4):312–4

Growth hormone response to psychological stress after a glucose load and its genetic determination in men with coronary heart disease. Adamson U, et al. **J Psychosom Res** 1981;25(6):573–8

Sirenomelia, Potter's syndrome and their relationship to monozygotic twinning: a case report and discussion. Wright JC Jr, et al. **J Reprod Med** 1982 May;27(5):291–4

Concordance for stuttering in monozygotic and dizygotic twin pairs. Howie PM. **J Speech Hear Res** 1981 Sep; 24(3):317–21

Ultrasound screening in a twin pregnancy with high serum alpha-fetoprotein. Finlay D, et al. **JCU** 1981 Nov–Dec; 9(9):514–5

Concordance in twins and recurrence in sibships in multiple sclerosis [letter] **Lancet** 1982 May 8;1(8280):1068

Concordance in twins and recurrence in sibships of multiple sclerosis [letter] James WH. **Lancet** 1982 Mar 20; 1(8273):690

Cerebral ventricular size in twins discordant for schizophrenia. Reveley AM, et al. **Lancet** 1982 Mar 6; 1(8271):540–1

Acute pancreatitis in identical twins. Henderson J, et al. **Med J Aust** 1982 May 15;1(10):432–4

Neuroblastoma in a pair of identical twins. Mancini AF, et al. **Med Pediatr Oncol** 1982;10(1):45–51

Treatment of hairy-cell leukemia with chemoradiotherapy and identical-twin bone-marrow transplantation. Cheever MA, et al. **N Engl J Med** 1982 Aug 19;307(8):479–81

Familial lower esophageal rings [letter] Longstreth GF. **N Engl J Med** 1982 Aug 12;307(7):443

Discordant expression of fetal hydantoin syndrome in heteropaternal dizygotic twins. Phelan MC, et al. **N Engl J Med** 1982 Jul 8;307(2):99–101

Tuberous sclerosis, early onset of seizures, and mental subnormality: study of discordant homozygous twins. Gomez MR, et al. **Neurology (NY)** 1982 Jun;32(6):604–11

MS in twins [letter] Kahana E, et al. **Neurology (NY)** 1981 Nov;31(11):1497

A comparison of identical twins in relation to three dental anomalies: multiple supernumerary teeth, juvenile periodontosis, and zero caries incidence. Rubin MM, et al. **Oral Surg** 1981 Oct;52(4):391–4

Autosomal recessive type of whistling face syndrome in twins. Kousseff BG, et al. **Pediatrics** 1982 Mar;69(3):328–31

Growth hormone deficiency in twins: three cases with normal co-twins. Lindsay A, et al. **Pediatrics** 1982 Apr; 69(4):486–8

New formula confuses old test [letter] Wickham LK, et al. **Pediatrics** 1981 Sep;68(3):470

Coeliac disease in identical twin infants. Lord C, et al. **Postgrad Med J** 1981 Oct;57(672):658–9

Twin research 3. Proceedings of the Third International Congress on Twin Studies June 16–20, 1980, Jerusalem. Part C. Epidemiological and clinical studies. **Prog Clin Biol Res** 1981;69 Pt C:1–279

Lessons from multiple pregnancies in mammals. Benirschke K. **Prog Clin Biol Res** 1981;69A:135–9 (22 ref.)

Twin research in coronary heart disease. Berg K. **Prog Clin Biol Res** 1981;69 Pt C:117–30

The age-dependence of disorders of aging: implications for studies of twins. Burch PR. **Prog Clin Biol Res** 1981;69 Pt C:179–85

Cytogenetic and antigenic studies in a pair of twins: a normal boy and a trisomic 21 girl with chimera. Gilgenkrantz S, et al. **Prog Clin Biol Res** 1981;69A:141–53

Adoption studies of alcoholism. Goodwin DW. **Prog Clin Biol Res** 1981;69 Pt C:71–6

Investigations into the genetics of alcohol dependence and into its effects on brain function. Gurling HM, et al. **Prog Clin Biol Res** 1981;69 Pt C:77–87

Studies of cancer etiology in the Danish twin population. I. Breast cancer. Holm NV. **Prog Clin Biol Res** 1981;69 Pt C:211–6

Cancer in adult same-sexed twins: a historical cohort study. Kaprio J, et al. **Prog Clin Biol Res** 1981;69 Pt C:217–23

Results of the 40-year, longitudinal study of a series of twins of Berlin (450 monozygotic and dizygotic twin pairs). Koch G. **Prog Clin Biol Res** 1981;69 Pt C:201–9

Coronary-prone behavior in adult same-sexed male twins: an epidemiological study. Koskenvuo M, et al. **Prog Clin Biol Res** 1981;69 Pt C:139–48

Malformations unique to the twinning process. Nance WE. **Prog Clin Biol Res** 1981;69A:123–33 (20 ref.)

Results of a monozygotic cotwin control study on a treatment for myopia. Schwartz JT. **Prog Clin Biol Res** 1981;69 Pt C:249–58

Type A behavior pattern and coping and defense. Vickers RR Jr, et al. **Psychosom Med** 1981 Oct;43(5):381–96

Asphyxic disease of the neonatal kidneys. Brem A, et al. **RI Med J** 1982 Jul;65(7):283–9

HLA antigens in nickel sensitive females: based on a twin and a patient population. Hansen HE, et al. **Tissue Antigens** 1982 Apr;19(4):306–10

Castleman's disease in identical twins. Martin C, et al. **Virchows Arch [Pathol Anat]** 1982;395(1):77–85

[Congenital ureteropelvic stenosis in identical twins] Ingvardsen A. **Ugeskr Laeger** 1982 Jan 11;144(2):104 **(Dan)**

[Two trisomies 13 in a sibship with normal parents' karyotypes (author's transl)] Plauchu H, et al. **Ann Genet (Paris)** 1981;24(2):120–3 (Eng. Abstr.) **(Fre)**

[Gougerot-Sjögren's syndrome in two univitelline twin sisters (author's transl)] Vaillant JM, et al. **Ann Med Interne (Paris)** 1981;132(6):408–12 (Eng. Abstr.) **(Fre)**

[Turner's syndrome, monozygotic twinship and psychosis or the indivisible ovum] Trapet P, et al. **Ann Med Psychol (Paris)** 1981 May;139(5):581–5 **(Fre)**

[Radiocubital congenital synostosis. Report on one case in two uniovular female twins (author's transl)] de la Caffiniere JY, et al. **Chir Pediatr** 1982 Mar–Apr; 23(2):129–32 **(Fre)**

[Host factors in asbestos-associated disease. A study in twins (author's transl)] Charpin D, et al. **Rev Fr Mal Respir** 1981; 9(1):55–9 (Eng. Abstr.) **(Fre)**

[Psychology and psychopathology of twins in a child psychiatric population] Corboz RJ, et al. **Acta Paedopsychiatr (Basel)** 1981 Nov;47(4):223–6 (Eng. Abstr.) **(Ger)**

[Metachondromatosis, 3 case reports with hereditary occurrence] Vaněk J. **Beitr Orthop Traumatol** 1982 Feb; 29(2):103–7 (Eng. Abstr.) **(Ger)**

[Intrauterine foetal death of the one twin after polyhydramnios and spontaneous birth of the second surviving twin after a longer lapse (author's transl)] Schmeer G, et al. **Geburtshilfe Fraunheilkd** 1981 Nov; 41(11):809–10 (Eng. Abstr.) **(Ger)**

[Dental aspects of longitudinal studies on twins] Pasierbinska M, et al. **Fogorv Sz** 1981 Apr;74(4):119–20 (Eng. Abstr.) **(Hun)**

[Edwards syndrome in a pair of twins] Lapi E, et al. **Minerva Ginecol** 1981 Dec;33(12):1151–4 (Eng. Abstr.) **(Ita)**

[Cranio-cerebral malformation in 2 hyposomic dizygotic twins] Vesi G, et al. **Minerva Pediatr** 1982 Apr 15; 34(7):315–24 (Eng. Abstr.) **(Ita)**

[Congenital tuberculosis in twins] De Angelis P, et al. **Pediatria (Napoli)** 1981 Sep 30;89(3):401–16 (Eng. Abstr.) **(Ita)**

[Lymphocyte subpopulations responsible for defective autologous mixed lymphocyte reactions in patients with systemic lupus erythematosus: analysis of lymphocytes obtained from three sets of identical twins and the family members (author's transl)] Sakane T, et al. **Arerugi** 1981 May;30(5):227–34 (Eng. Abstr.) **(Jpn)**

[Surgical treatment of spontaneous pneumothorax occurring in monovular twins—report of two cases (author's transl)] Inoue N, et al. **Kyobu Geka** 1982;35(6):447–50 (Eng. Abstr.) **(Jpn)**

['Partner control' method of twin studies in evaluating the hemodynamic effects of nonachlazine] Zaslavskaia RM, et al. **Farmakol Toksikol** 1981 May–Jun;44(3):357–60 **(Rus)**

[Hemolytic-uremic syndrome in a newborn infant, a monozygotic twin] Khodasevich LS, et al. **Pediatriia** 1981 May;(5):74–5 **(Rus)**

[Fetofetal transfusion in monozygotic twins] Khodasevich LS, et al. **Pediatriia** 1981 Nov;(11):24–6 (Eng. Abstr.) **(Rus)**

[Allergic (eosinophilic) pneumonia in twins] Shilko VI. **Pediatriia** 1981 May;(5):67–8 **(Rus)**

[Clinical course of viral hepatitis in monozygotic twins] Bogomolov BP, et al. **Ter Arkh** 1981;53(10):43–6 (Eng. Abstr.) **(Rus)**

[Familial systemic scleroderma: a follow-up study of concordant monozygotic twins] Guseva NG, et al. **Ter Arkh** 1981;53(7):43–7 (Eng. Abstr.) **(Rus)**

[Concordance in twins and the component partition of phenotypic variance in schizophrenia] Moskalenko VD, et al. **Tsitol Genet** 1981 Sep–Oct;15(5):70–2 (Eng. Abstr.) **(Rus)**

[Interaction of genotypic and environmental factors determining productive and negative manifestations in schizophrenia] Moskalenko VD, et al. **Vestn Akad Med Nauk SSSR** 1982;(1):51–3 (Eng. Abstr.) **(Rus)**

[Spinal form of Ullrich's disease in monozygotic twins] Aver'ianov IuN, et al. **Zh Nevropatol Psikhiatr** 1982; 82(3):51–4 (Eng. Abstr.) **(Rus)**

[Hemolytic disease of the newborn in monozygotic twins caused by anti-c alloantibodies of the rhesus system] Gligorović VN, et al. **Bilt Hematol Transfuz** 1980;8(1):83–9 (Eng. Abstr.) **(Scr)**

[Hypervolemia and hypovolemia caused by twin-to-twin transfusion] Hernández Serrano RA, et al. **An Esp Pediatr** 1981 Oct;15(4):397–400 **(Spa)**

[Cutaneous mastocytosis in twins] Grinspan Bozza NO, et al. **Med Cutan Iber Lat Am** 1981;9(5):337–44 (Eng. Abstr.) **(Spa)**

[Echographic diagnosis of renal malformations in an univitelline twin pregnancy. Clinical case] Klein F, et al. **Rev Chil Obstet Ginecol** 1980;45(3):126–30 (Eng. Abstr.) **(Spa)**

[Intestinal invagination in twin infants] González Bethencourt JV, et al. **Rev Esp Enferm Apar Dig** 1981 Dec;60(6):615–20 (Eng. Abstr.) **(Spa)**

CONGENITAL

Prothrombin Gainesville. A dysprothrombinemia in a pair of identical twins. Smith LG, et al. **Am J Hematol** 1981 Nov;11(3):223–31

DIAGNOSIS

Identical twins discordant for the 'rudimentary testes' syndrome. Glass AR. **J Urol** 1982 Jan;127(1):140–1

[Anencephaly in 2 cases of discordant twin pregnancy discovered by prenatal ultrasonography during the 2d trimester] Intödy Z, et al. **Orv Hetil** 1981 Sep 20; 122(38):2355–7 **(Hun)**

EMBRYOLOGY

[Cytogenetic, gynaecological and sonographic aspects of twin pregnancy with parental Robertsonian translocation 13/14 (author's transl)] Schwanitz G, et al. **Geburtshilfe Fraunheilkd** 1982 Feb;42(2):98–102 (Eng. Abstr.) **(Ger)**

ETIOLOGY

Twin-to-twin transfusion: cause of increased pulmonary vasculature in the newborn. Ashley WE, et al. **AJR** 1981 Sep;137(3):617–8

FAMILIAL & GENETIC

Atypical petit mal epilepsy in twins. Shukla R, et al. **Indian J Pediatr** 1981 Mar–Apr;48(391):179–81

Monozygotic twins with ulcerative colitis. Mayberry JF, et al. **Postgrad Med J** 1982 Feb;58(676):112–4

RADIOGRAPHY

[Simultaneous mirror image osteochondrosis dissecans in identical twins] Erban WK, et al. **ROFO** 1981 Sep; 135(3):357 **(Ger)**

DISGERMINOMA see **DYSGERMINOMA**

DISINFECTANTS

Ozone inactivation of cell-associated viruses. Emerson MA, et al. **Appl Environ Microbiol** 1982 Mar;43(3):603–8

Residual formaldehyde in dialyzers: quantity, location, and the effect of different methods of rinsing. Lewis KJ, et al. **Artif Organs** 1981 Aug;5(3):269–77

Detection of chloroform in the tissues of freshly eviscerated poultry carcasses exposed to water containing added chlorine or chlorine dioxide. Robinson D, et al. **Bull Environ Contam Toxicol** 1981 Aug;27(2):145–50

Use of buffered hypochlorite solution for disinfecting fibrescopes. Coates D, et al. **J Clin Pathol** 1982 Mar; 35(3):296–303

Disinfectant-impregnated cloths in hospital laboratories [letter] Hoffman PN. **J Hosp Infect** 1981 Dec;2(4):391–2

Sporicidal effect of different aldehyde based preparations. Flink O, et al. **J Pharm Belg** 1981 Jul–Aug;36(4):227–30

Disinfectants as an aid for good manufacturing practice in the pharmaceutical industry. Wallhäusser KH. **J Pharm Belg** 1981 Sep–Oct;36(5):283–97

A caution on iodine water purification. Zemlyn S, et al. **West J Med** 1981 Aug;135(2):166–7

[Reducing the speed of decomposition of dilute peracetic acid solution by neutralization with NaOH (author's transl)] Ren SX. **Chung Hua Yu Fang I Hsueh Tsa Chih** 1982 Jan; 16(1):23–6 (Eng. Abstr.) **(Chi)**

[WHO Collaborating Centre for Research and Training in Veterinary Public Health at the Hannover Veterinary College. 10th seminar on environmental hygiene, 19 February 1982; Environmental pollution by disinfectants in animal production. Abstracts] **DTW** 1982 May 6; 89(5):193–209 **(Ger)**

[Identification of bacteria from use-surface disinfectant solutions and their sensibility against disinfectants (author's transl)] Dott W, et al. **Zentralbl Bakteriol Mikrobiol Hyg [B]** 1981 Dec; 174(4):314–24 (Eng. Abstr.) **(Ger)**

[Microbiological investigations with decentral dosing apparatuses for disinfectants. Part 1: investigations of cell number (author's transl)] Heinzel M, et al. **Zentralbl Bakteriol Mikrobiol Hyg [B]** 1981 Dec; 174(4):299–313 (Eng. Abstr.) **(Ger)**

[Studies on the usefulness of different disinfectants for the aerosol disinfection of surfaces (author's transl)] Nicklas W, et al. **Zentralbl Bakteriol Mikrobiol Hyg [B]** 1981; 173(5):365–73 (Eng. Abstr.) **(Ger)**

[Studies on the corrosive action of some disinfectants suitable for aerosol-disinfection (author's transl)] Nicklas W, et al. **Zentralbl Bakteriol Mikrobiol Hyg [B]** 1981;173(5):374–81 (Eng. Abstr.) **(Ger)**

[Proposed reference list for adoption and management of disinfectant substances in hospital practice] Riolo U, et al. **Arch Sci Med (Torino)** 1981 Oct–Dec;138(4):661–76 **(Ita)**

[Evaluation of the antibacterial activity of the most commonly used disinfectants on multiresistant nosocomial bacterial strains] Bianchi P. **Clin Ter** 1981 Mar 15; 96(5):523–34 (Eng. Abstr.) **(Ita)**

[Antibacterial activity of disposable napkins and impregnating compositions used in their manufacture]

Mikhno IL, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1981 Sep;(9):46–9 **(Rus)**

ADMINISTRATION & DOSAGE

The hygienic treatment of turkey eggs by dipping in an antibiotic and disinfectant solution. Voeten AC, et al. **Vet Q** 1982 Apr;4(2):79–83

[Agents for the aerosol disinfection of the air in meat freezers] Ionova I, et al. **Vet Med Nauki** 1981;18(3):77–82 (Eng. Abstr.) **(Bul)**

ADVERSE EFFECTS

A case of Pseudomonas keratitis in a soft contact lens wearer using contaminated chemical disinfection solution. Myrowitz E, et al. **Contact Intraocular Lens Med J** 1981 Oct–Dec;7(4):337–8

Allergic and toxic reactions of soft contact lens wearers. Mondino BJ, et al. **Surv Ophthalmol** 1982 May–Jun; 26(6):337–44 (63 ref.)

[Transient hypothyroidism caused by iodine-containing disinfectants in the newborn (author's transl)] Schönberger W, et al. **Dtsch Med Wochenschr** 1982 Aug 20; 107(33):1222–7 (Eng. Abstr.) **(Ger)**

[Sagrotan in infants and children?] Daschner F. **Monatsschr Kinderheilkd** 1982 Apr;130(4):241 **(Ger)**

ANALYSIS

Actual hazard of methyl bromide fumigation in soil disinfection. Van Den Oever RU, et al. **Br J Ind Med** 1982 May;39(2):140–4

[Formaldehyde concentration in the room air of medical institutions using formaldehyde-containing disinfectants] Senf L, et al. **Z Gesamte Hyg** 1982 May;28(5):313–7 (Eng. Abstr.) **(Ger)**

[Qualitative thin layer chromatography as well as quantitative direct assessment of disinfectant solutions with active phenol action groups on ready-to-use foil in thin layer chromatography] Thielemann H. **Z Gesamte Hyg** 1981 Nov;27(11):874–5 **(Ger)**

[The effect of disinfectants on waste water from medical centers (author's transl)] Yamayoshi T, et al. **Kansenshogaku Zasshi** 1981 Jun;55(6):385–99 (Eng. Abstr.) **(Jpn)**

ANTAGONISTS & INHIBITORS

Evaluation of glycine as an inactivator of glutaraldehyde. Cheung HY, et al. **J Pharm Pharmacol** 1982 Apr; 34(4):211–4

CHEMICAL SYNTHESIS

[2-Chloro-6-methyl-4-benzylphenol (CMB), a potential antimicrobial agent Part 1: Microbiostatic Efficiency (author's transl)] Weuffen W, et al. **Pharmazie** 1982 Jan; 37(1):47–50 (Eng. Abstr.) **(Ger)**

METABOLISM

[Resorption of 2-phenylphenol from washing hand disinfectants (author's transl)] Harke HP, et al. **Zentralbl Bakteriol Mikrobiol Hyg [B]** 1981 Dec; 174(3):274–8 (Eng. Abstr.) **(Ger)**

[Microbiological studies on waste water treatment by medical schools and hospitals. (IV) Identification of bacteria which degrade disinfectants (author's transl)] Sayama N. **Nippon Eiseigaku Zasshi** 1981 Jun;36(2):560–5 (Eng. Abstr.) **(Jpn)**

PHARMACODYNAMICS

Ototoxic effect of iodine disinfectants. Aursnes J. **Acta Otolaryngol (Stockh)** 1982 Mar–Apr;93(3–4):219–26

Laboratory evaluation of selected disinfectants as virucidal agents against porcine parvovirus, pseudorabies virus, and transmissible gastroenteritis virus. Brown TT Jr. **Am J Vet Res** 1981 Jun;42(6):1033–6

Failure of Legionella pneumophila sensitivities to predict culture results from disinfectant-treated air-conditioning cooling towers. England AC 3d, et al. **Appl Environ Microbiol** 1982 Jan;43(1):240–4

Antimicrobial characteristic of insoluble alkylpyridinium iodide. Nakagawa Y, et al. **Appl Environ Microbiol** 1982 May;43(5):1041–50

Laboratory evaluation of chemical disinfection of soft contact lenses. II. Fungi as challenge organisms. Penley CA, et al. **Contact Intraocular Lens Med J** 1981 Jul–Sep; 7(3):196–204

An evaluation of the fungicidal activity of disinfectants commonly used in clinical practice. Aronoff RH, et al. **J Am Podiatry Assoc** 1982 Jan;72(1):23–6

A model of decreased functional alpha-1-proteinase inhibitor. Pulmonary pathology of dogs exposed to chloramine T. Abrams WR, et al. **J Clin Invest** 1981 Nov; 68(5):1132–9

Disinfecting properties of performic acid against bacteriophage phi X 174 as a model of small envelope—free viruses. Bydžovská O, et al. **J Hyg Epidemiol Microbiol Immunol** 1981;25(4):414–23

Legionella pneumophila in cooling water systems. Report of a survey of cooling towers in London and a pilot trial of selected biocides. Kurtz JB, et al. **J Hyg (Lond)** 1982 Jun;88(3):369–81

Studies on viral respiratory disease in laboratory cats. I. Isolation of feline herpesvirus and choice of proper disinfectant. Yagami K, et al. **Jikken Dobutsu** 1982 Jan; 31(1):27–35

Disinfection agents. Jawad F. **JPMA** 1982 Feb;32(2):27–8

Evaluation of a new disinfectant on the antigenicity and morphology of hepatitis B surface antigen. Hopkins R. **Med Lab Sci** 1981 Oct;38(4):419–22

A laboratory evaluation of a new disinfectant cleaner for fibreoptic instruments. Gilbert P, et al. **Microbios** 1982; 33(131):53–64

Sensitivity of various spiroplasma strains against ethanol, formalin, glutaraldehyde, and phenol. Stanek G, et al. **Zentralbl Bakteriol Mikrobiol Hyg [B]** 1981 Dec; 174(4):348–54

Standard-suspension-test: influence of bovine albumin, saline and water of standard hardness on M.E.-values. van Klingeren B. **Zentralbl Bakteriol Mikrobiol Hyg [B]** 1982 Apr;176(1):63–71

[Physical methods (ultrasound) and disinfecting agents for decontaminating the water in poultry meat processing] Ionova I, et al. **Vet Med Nauki** 1981;18(4):99–105 (Eng. Abstr.) **(Bul)**

[Observation on the coagulative and disinfectant effects of SM-92 coagulant for drinking water (author's transl)] Chi QY. **Chung Hua Yu Fang I Hsueh Tsa Chih** 1981 Nov; 15(6):328–9 **(Chi)**

[Evaluation of the efficacy of disinfectants and antiseptics: products intended for surface disinfection (author's transl)] Reybrouck G. **J Pharm Belg** 1981 Nov–Dec;36(6):389–94 (Eng. Abstr.) **(Fre)**

[Evaluation of the efficacy of disinfectants in Poland] Wozniak-Parnowska W. **J Pharm Belg** 1981 Nov–Dec; 36(6):395–6 **(Fre)**

[Possibilities of disinfection in coccidiosis (Eimeria, Isospora, Toxoplasma, and Sarcocystis)] Barutzki D, et al. **Berl Munch Tierarztl Wochenschr** 1981 Nov 15; 94(22):451–5 (Eng. Abstr.) **(Ger)**

[Sensitivity of yeasts to various preparations used in veterinary medicine for disinfection and treatment of genital mucous membranes] Dahle J, et al. **Berl Munch Tierarztl Wochenschr** 1982 Feb 15;95(4):66–70 (Eng. Abstr.) **(Ger)**

[Relative effectiveness of disinfectants against rotaviruses (author's transl)] Brade L, et al. **Zentralbl Bakteriol Mikrobiol Hyg [B]** 1981;174(1-2):151–9 (Eng. Abstr.) **(Ger)**

[Destroying of antigenicity and influencing the immunochemical reactivity of hepatitis B virus antigens (HBsAg, HBcAg and HBeAg) through disinfectants—a proposed method for testing (author's transl)] Frösner G, et al. **Zentralbl Bakteriol Mikrobiol Hyg [B]** 1982 Apr; 176(1):1–14 (Eng. Abstr.) **(Ger)**

[Microbiological investigations with decentral dosing apparatuses for disinfectants. Part 2: Resistance-behaviour of isolated bacteria (author's transl)] Heinzel M, et al. **Zentralbl Bakteriol Mikrobiol Hyg [B]** 1982 Apr; 176(1):47–54 (Eng. Abstr.) **(Ger)**

[The virus inactivating efficacy of peracids and peracidous disinfectants (author's transl)] Sporkenbach J, et al. **Zentralbl Bakteriol Mikrobiol Hyg [B]** 1981 Sep; 173(6):425–39 (Eng. Abstr.) **(Ger)**

[Theoretical and experimental considerations on disinfecting substances. Benzoxonium chloride] Finzi GF, et al. **Arch Sci Med (Torino)** 1982 Jan–Mar;139(1):109–18 **(Ita)**

[Determination of the MIC of various disinfectants using microbial strains isolated from hospital environments] Santini GF, et al. **Boll Chim Farm** 1982 Jan;121(1):53–60 **(Ita)**

[Bactericidal activities of various disinfectants against Mycobacterium tuberculosis (author's transl)] Lee Y. **Kekkaku** 1981 Dec;56(12):567–76 (Eng. Abstr.) **(Jpn)**

POISONING

[Lethal intoxication by formalin during dialysis (author's transl)] Erkrath KD, et al. **Z Rechtsmed** 1981;87(3):233–6 (Eng. Abstr.) **(Ger)**

STANDARDS

In-use tests of disinfectants. Christensen EA, et al. **Acta Pathol Microbiol Immunol Scand [B]** 1982 Apr; 90(2):95–100

An efficacy evaluation of a synergized glutaraldehyde-phenate solution in disinfecting respiratory therapy equipment contaminated during patient use. Townsend TR, et al. **Infect Control** 1982 May–Jun; 3(3):240–4

[Reliable is the disinfectant Milton?] Daschner F. **Monatsschr Kinderheilkd** 1982 Feb;130(2):114 **(Ger)**

THERAPEUTIC USE

Modified excised teat model for laboratory screening of teat dips. Hall PA, et al. **J Dairy Sci** 1981 Sep;64(9):1843–51

Coccidiosis in swine: effect of disinfectants on in vitro sporulation of Isospora suis oocysts. Stuart BF, et al. **VM SAC** 1981 Aug;76(8):1185–6

[Choice of antiseptics for use in footbaths for cattle (author's transl)] Grongnet JF, et al. **Ann Rech Vet** 1981;12(2):129–32 (Eng. Abstr.) **(Fre)**

[Antimicrobial effectiveness of different agents for treating and managing the infected root canal] Bössmann K, et al. **Dtsch Zahnarztl Z** 1981 Apr;36(4):217–21 **(Ger)**

[Reasonable disinfection in the household, the clinic and practice] Daschner F. **MMW** 1982 Mar 12;124(10):227–9 **(Ger)**

TOXICITY

[Subacute and subchronic percutaneous tolerance testing (28-day and 90-day test) of epicutaneously applied dis-infectants as demonstrated by the example of peroxyethanoic acid (author's transl)] Kramer A, et al. **Pharmazie** 1982 Jan;37(1):41–6 (Eng. Abstr.) **(Ger)**

DISINFECTION see under **STERILIZATION**

DISINFECTION, HAND see **HANDWASHING**

DISK, HERNIATED see **INTERVERTEBRAL DISK DISPLACEMENT**

DISK, INTERVERTEBRAL see **INTERVERTEBRAL DISK**

DISLOCATION, LENS see **LENS DISLOCATION AND SUBLUXATION**

DISLOCATION, TOOTH see **TOOTH LUXATION**

DISLOCATIONS

Lisfranc's joint dislocation: a review and case report. Cook JM, et al. **J Am Podiatry Assoc** 1981 Nov;71(11):611–7

Longterm follow-up of posterior cervical fusion for atlanto-axial subluxation in rheumatoid arthritis. Awerbuch MS, et al. **J Rheumatol** 1981 May–Jun;8(3):423–32

Traumatic dislocation of the testes. Pollen JJ, et al. **J Trauma** 1982 Mar;22(3):247–9

[The sliding rib syndrome. Orthopedic aspects (author's transl)] Weh L, et al. **MMW** 1982 Jul 2;124(26):631–3 (Eng. Abstr.) **(Ger)**

[A follow-up on traumatic elbow dislocations (author's transl)] de Roguin B, et al. **Orthopade** 1981 Sep; 10(4):287–90 **(Ger)**

[Inveterated luxation of the radial head. Does it require treatment? (author's transl)] Engelhardt P. **Orthopade** 1981 Sep;10(4):303–6 **(Ger)**

[Acromioclavicular joint dislocation and its treatment. Review of 103 cases] Del Buono F, et al. **Chir Ital** 1981 Oct;33(5 Suppl 1):31–5 **(Ita)**

[Recurrent dislocation of the ulnar nerve at the elbow (an unusual non-traumatic case)] Gemmati U, et al. **Chir Organi Mov** 1981 May–Jun;66(3):411–4 (Eng. Abstr.) **(Ita)**

CLASSIFICATION

A mechanistic classification of closed, indirect fractures and dislocations of the lower cervical spine. Allen BL Jr, et al. **Spine** 1982;7(1):1–27

COMPLICATIONS

Atlanto-axial dislocation with spinal cord compression in Down syndrome. Shield LK, et al. **Aust Paediatr J** 1981 Jun;17(2):114–6

Oesophageal perforation with fracture dislocation of cervical spine due to hyperextension injury. Agha FP, et al. **Br J Radiol** 1982 May;55(653):369–72

Atlanto-occipital and atlanto-axial dislocations with spinal cord compression in Down's syndrome: a case report and review of the literature. Hungerford GD, et al. **Br J Radiol** 1981 Sep;54(645):758–61

Urological complications of traumatic diastasis of the symphysis pubis in the female. Stanton SL, et al. **Br J Urol** 1981 Oct;53(5):453–4

Posterior dislocation of the clavicle causing fatal tracheoesophageal fistula. Wasylenko MJ, et al. **Can J Surg** 1981 Nov;24(6):626–7

Irreducible tarsometatarsal fracture-dislocation. Engber WD, et al. **Clin Orthop** 1982 Aug;(168):102–4

Fractures and dislocations about the elbow in the head-injured adult. Garland DE, et al. **Clin Orthop** 1982 Aug;(168):38–41

Tardy ulnar nerve palsy associated with the isolated dislocation of the head of the radius. Takebe K, et al. **Clin Orthop** 1982 Jul;(167):260–6

Fracture of the proximal shaft of the radius associated with posterior dislocation of the elbow. A case report and review of the literature. Walker RH, et al. **Clin Orthop** 1982 Aug;(168):35–7

The early complications of subtalar dislocation. Mac SS, et al. **Foot Ankle** 1981 Mar;1(5):270–4

Fracture of the head of the radius with ulnar displacement of separated fragments. Eid AM. **Injury** 1982 Mar; 13(5):395–9

Dislocation of the intermediate cuneiform bone. McGlinchey JJ. **Injury** 1981 May;12(6):501–2

Mallet finger and fractures. McMinn DJ. **Injury** 1981 May; 12(6):477–9

Relative metatarsal length patterns in hallux abducto valgus. Duke H, et al. **J Am Podiatry Assoc** 1982 Jan;72(1):1–5

Entrapment of the median nerve after dislocation of the elbow. St Clair Strange FG. **J Bone Joint Surg [Br]** 1982; 64(2):224–5

Spontaneous sternal segment dislocation: a case report.

Scudamore CH, et al. **J Pediatr Surg** 1982 Feb;17(1):61-3
Post-traumatic avascular necrosis of the humeral head in displaced proximal humeral fractures. Lee CK, et al. **J Trauma** 1981 Sep;21(9):788-91
Symptomatic atlantoaxial dislocation in Down syndrome. Hreidarsson S, et al. **Pediatrics** 1982 May;69(5):568-71
[Double fracture of the spine. A case report] van der Walt PJ. **S Afr Med J** 1982 Aug 14;62(8):254-5 (Eng. Abstr.) (Afr)
[Posttraumatic osteolysis of the distal clavicula end (author's transl)] Hermanns PH, et al. **Rontgenblatter** 1981 Oct; 34(10):399-401 (Eng. Abstr.) (Ger)
[Frequency of painful pronation in childhood injuries] Torretta F, et al. **Chir Ital** 1982 Jun;34(3):469-75 (Ita)
[Compression fracture of the 1st lumbar vertebra with simultaneous lateral dislocation of the L-4 and L-5 vertebrae complicated by paraplegia of the lower extremities] Kabut Z. **Chir Narzadow Ruchu Ortop Pol** 1981;46(6):535-6 (Eng. Abstr.) (Pol)
[Injury of the brachial artery in elbow joint dislocation] Moczydlowski Z, et al. **Chir Narzadow Ruchu Ortop Pol** 1981;46(5):499-501 (Eng. Abstr.) (Pol)

CONGENITAL

The Larsen syndrome with multiple congenital dislocations and a normal facies. Samuel AW, et al. **Int Orthop** 1981; 5(3):229-32
Separating monosomy-21 from the 'arthrogryposis basket'. Houston CS, et al. **J Can Assoc Radiol** 1981 Dec; 32(4):220-3
Separating Larsen syndrome from the 'arthrogryposis basket'. Houston CS, et al. **J Can Assoc Radiol** 1981 Dec; 32(4):206-14
Separating Pena-Shokeir I syndrome from the 'arthrogryposis basket'. Houston CS, et al. **J Can Assoc Radiol** 1981 Dec;32(4):215-9
Congenital dislocation of the radial head: spectrum and natural history. Kelly DW. **J Pediatr Orthop** 1981; 1(3):295-8
Congenital atlanto-axial dislocation. Tan CT, et al. **Med J Malaysia** 1981 Dec;36(4):230-3
[Larsen's syndrome. Clinical findings and inheritance (author's transl)] Renault F, et al. **Arch Fr Pediatr** 1982 Jan;39(1):35-8 (Eng. Abstr.) (Fre)
[Congenital ulnar and digital aplasia with elbow dislocation (author's transl)] Arany L, et al. **Magy Traumatol Orthop Helyreallito Sebesz** 1981; 24(4):313-5 (Hun)
[Discussion of a case of Wolkmann's pseudo-deformity] Canella P. **Chir Organi Mov** 1979 Mar-Apr;65(2):227-9 (Ita)

DIAGNOSIS

Pediatric Lisfranc injury: 'bunk bed' fracture. Johnson GF. **AJR** 1981 Nov;137(5):1041-4
Awareness of the retinaculum in evaluating patellofemoral pain. Fulkerson JP. **Am J Sports Med** 1982 May-Jun; 10(3):147-9
Anterior subluxation of the lateral tibial plateau. A new clinical test and the morbidity of this type of knee instability. Martens MA, et al. **Arch Orthop Trauma Surg** 1981;98(2):109-11
Posterior acromioclavicular dislocation. Søndergård-Petersen P, et al. **J Bone Joint Surg [Br]** 1982; 64(1):52-3
Diagnosis and treatment of ankle pain and instability. Bremer SW. **J Foot Surg** 1981 Summer;20(2):88-90
C2—C3 dislocation in a child. Jones ET, et al. **J Pediatr Orthop** 1981;1(4):419-22
Dislocation of trapezoid. Bendre DV, et al. **J Trauma** 1981 Oct;21(10):899-900
Dislocation of the interphalangeal joint of the thumb. Greenfield GQ Jr. **J Trauma** 1981 Oct;21(10):901-2
Post-traumatic atlanto-occipital dislocation revealed by sudden cardiopulmonary arrest [letter] Lesoin F, et al. **Lancet** 1982 Aug 21;2(8295):447-8
[Temporomandibular luxations (author's transl)] Bertrand JC. **Ann Otolaryngol Chir Cervicofac** 1981;98(10-11):531-4 (Eng. Abstr.) (Fre)
[Symptoms and treatment results in disk dislocations of the temporomandibular joint] Rudelt HG. **SSO Schweiz Monatsschr Zahnheilkd** 1981 Aug;91(8):566-8 (Ger)
[Luxation of the sternoclavicular joint (author's transl)] Pfister U, et al. **Unfallchirurgie** 1982 Apr;8(2):81-7 (Eng. Abstr.) (Ger)
[Dorsal dislocation of the trapezoid and second metacarpal bones. Review of literature and case report] Rizzo L, et al. **Chir Organi Mov** 1979 Mar-Apr;65(2):217-22 (Ita)
[Rotation instability of the knee joint] Dulowski W, et al. **Chir Narzadow Ruchu Ortop Pol** 1981;46(4):325-8 (Pol)
[Perilunar dislocation of the hand] Abel'diaev VD. **Vestn Khir** 1982 Apr;128(4):94-5 (Rus)
[Clinico-x-ray-electrophysiologic evaluation of the sequelae of vertebrospinal injuries] Kamalov II, et al. **Zh Nevropatol Psikhiatr** 1982;82(5):18-23 (Eng. Abstr.) (Rus)

ETIOLOGY

Recurrent volar carpal perilunate subluxation. Israeli A, et al. **Arch Orthop Trauma Surg** 1982;99(4):285-6 (Ger)
Subaxial cervical subluxation and cord compression in psoriatic spondylitis. Fam AG, et al. **Arthritis Rheum** 1982 Jan;25(1):101-6
La maladie de Grisel: a rare occurrence of 'spontaneous' atlanto-axial subluxation after pharyngoplasty. Robinson PH, et al. **Br J Plast Surg** 1981 Jul;34(3):319-21
Enchondroma of the proximal clavicle. An unusual cause of pathologic fracture-dislocation of the sternoclavicular joint. Bernard RN Jr, et al. **Clin Orthop** 1982 Jul; (167):239-41
Complex dorsal dislocation of the thumb metacarpophalangeal joint. Dutton RO, et al. **Clin Orthop** 1982 Apr;(164):160-4
Rotational knee strain resulting in patellar dislocation. An experimental study in rabbits. Finsterbush A. **Clin Orthop** 1982 Sep;(169):259-63
Superior dislocation of the fibular head associated with a tibia fracture. Shelbourne KD, et al. **Clin Orthop** 1981 Oct; (160):172-4
Multiple dislocations of the cervical spine in a patient with juvenile rheumatoid arthritis and Down's syndrome. Sherk HH, et al. **Clin Orthop** 1982 Jan-Feb;(162):37-40
Recurrent traumatic elbow dislocation. Zeier FG. **Clin Orthop** 1982 Sep;(169):211-4
Bone and joint changes following burn injury. Jay MS, et al. **Clin Pediatr (Phila)** 1981 Nov;20(11):734-6
Bilateral patellar subluxation secondary to Becker muscular dystrophy. A case report. Khan RH, et al. **J Bone Joint Surg [Am]** 1982 Jun;64(5):777-8
Posttraumatic recurrent subluxation of the extensor carpi ulnaris tendon. Burkhart SS, et al. **J Hand Surg** 1982 Jan; 7(1):1-3
Bilateral scapholunate dissociation with degenerative arthritis. Hergenröeder PT, et al. **J Hand Surg** 1981 Nov; 6(6):620-2
Displaced intra-articular osteochondral fracture—cause for irreducible dislocation of the distal interphalangeal joint. Stripling WD. **J Hand Surg** 1982 Jan;7(1):77-8
Dislocation of the mandibular condyle into the temporal fossa. Worthington P. **J Maxillofac Surg** 1982 Feb; 10(1):24-7
Longterm follow-up of posterior cervical fusion for atlanto-axial subluxation in rheumatoid arthritis. Awerbuch MS, et al. **J Rheumatol** 1981 May-Jun;8(3):423-32
Superior dislocation of the patella with interlocking osteophytes. Siegel MG, et al. **J Trauma** 1982 Mar; 22(3):253-4
Long-term corticosteroids and cervical subluxation in non-rheumatoid patients. Rudge SR, et al. **Rheumatol Rehabil** 1981 May;20(2):102-5
'Crashing' the rugby scrum — an avoidable cause of cervical spinal injury. Case reports. Scher AT. **S Afr Med J** 1982 Jun 12;61(24):919-20
Spontaneous atlantoaxial subluxation as a presenting manifestation of juvenile ankylosing spondylitis. A case report. Thompson GH, et al. **Spine** 1982;7(1):78-9
[About causative factors in spontaneous sternoclavicular subluxation (author's transl)] Emr J, et al. **Acta Chir Orthop Traumatol Cech** 1981;48(6):536-40 (Eng. Abstr.) (Cze)
[Recurrent dislocation of the elbow (author's transl)] Ciaudo O, et al. **Rev Chir Orthop** 1982;63(3):207-10 (Eng. Abstr.) (Fre)
[Isolated dislocation of the head of the fibula (presentation of a case)] Montina S, et al. **Chir Organi Mov** 1981; 66(5):427-30 (Eng. Abstr.) (Ita)
[Joint subluxation in infants aged 1 to 12 months] Zebrowski W. **Chir Narzadow Ruchu Ortop Pol** 1981;46(5):435-9 (Eng. Abstr.) (Pol)
[Pathological fractures and dislocations in hematogenic osteomyelitis in children] Akhmedov MA, et al. **Ortop Travmatol Protez** 1981 Jul;(7):50-1 (Rus)

OCCURRENCE

Elbow injuries in the Himalayas. Horsley J, et al. **Practitioner** 1982 Apr;226(1366):725-8
Spinal fractures and dislocations in children and adolescents. McPhee IB. **Spine** 1981 Nov-Dec;6(6):533-7

PATHOLOGY

Posterior dislocation of the mandibular condyle into the external ear canal. Akers JO, et al. **J Oral Maxillofac Surg** 1982 Jun;40(6):369-70
Prolonged bilateral mandibular dislocation. Tipps SP, et al. **J Oral Maxillofac Surg** 1982 Aug;40(8):524-7
[Anatomical basis for dislocations and recurring dislocations of the elbow] Ciaudo O, et al. **Bull Assoc Anat (Nancy)** 1980 Dec;64(187):465-76 (Eng. Abstr.) (Fre)
[Sesamoid bone dislocations of the 1st metatarsophalangeal joint] Prokop'ev NIa. **Ortop Travmatol Protez** 1981 Jul; (7):46-7 (Rus)
[Double dislocation of the little finger of the right hand] Glebov VL. **Vestn Khir** 1981 Jul;127(7):85-6 (Rus)

PHYSIOPATHOLOGY

[Combined fracture-dislocation of both bones of the forearm at the elbow (author's transl)] Marotte JH, et al. **Rev Chir Orthop** 1982;68(2):103-14 (Eng. Abstr.) (Fre)
[Compression mechanism in fracture dislocations of the ankle joint] Stampfel O, et al. **Zentralbl Chir** 1982;107(9):536-40 (Ger)

PREVENTION & CONTROL

[External fixator application in the therapy of radius fractures disposed to redislocation 'in loco typico' (author's transl)] Forgon M, et al. **Magy Traumatol Orthop Helyreallito Sebesz** 1982; 25(1):63-71 (Hun)

RADIOGRAPHY

Traumatic dislocation of the radial head at birth. Danielsson LG, et al. **Acta Radiol [Diagn] (Stockh)** 1981;22(3B):379-82
Traumatic longitudinal atlanto-occipital distraction injuries in children. Kaufman RA, et al. **AJNR** 1982 Jul-Aug; 3(4):415-9
The value of simple radiographs [letter] Hu LB. **AJR** 1982 Jul;139(1):196-7
Naviculocapitate fracture-dislocation. El-Khoury GY, et al. **AJR** 1982 Aug;139(2):385-6
Subtleties of Lisfranc fracture-dislocations. Norfray JF, et al. **AJR** 1981 Dec;137(6):1151-6
Recurrent inferior dislocation of the clavicle at the acromioclavicular joint. A case report. Sage J. **Am J Sports Med** 1982 May-Jun;10(3):145-6
Lateral roentgenographic projections of the acromioclavicular joint. Waldrop JI, et al. **Am J Sports Med** 1981 Sep-Oct;9(5):337-41
Isolated posterior dislocation of the radial head. A case report. Heidt RS Jr, et al. **Clin Orthop** 1982 Aug; (168):136-8
Chronic and recurrent dislocations of the fifth toe. Jahss MH. **Foot Ankle** 1981 Mar;1(5):275-8
Traumatic dislocations of the first metatarsophalangeal joint. Jahss MH. **Foot Ankle** 1980 Jul;1(1):15-21
Isolated dorsal dislocation of the second metatarsophalangeal joint. Murphy JL. **Foot Ankle** 1980 Jul;1(1):30-2
Scaphoid and lunate dislocation. A report on a case. Brown RH, et al. **Hand** 1981 Oct;13(3):303-7
Simultaneous dislocation of the interphalangeal and metacarpo-phalangeal joints in a thumb. Cleak DK. **Hand** 1981 Jun;13(2):167-8
Volar radiocarpal dislocation [letter] Kaltsas DS. **Injury** 1982 Jan;13(4):351-2
The role of intraosseous phlebography in the prognosis of injuries of the talus. Nyári T, et al. **Injury** 1982 Jan; 13(4):317-23
Traumatic instability of the proximal tibiofibular joint. Veth RP, et al. **Injury** 1981 Sep;13(2):159-64
Isolated, complete radial dislocation of the scaphoid. A case report and review of the literature. Maki NJ, et al. **J Bone Joint Surg [Am]** 1982 Apr;64(4):615-6
The tangential posteroanterior radiograph to demonstrate scapholunate dissociation. Moneim MS. **J Bone Joint Surg [Am]** 1981 Oct;63A(8):1324-6
Pseudodislocation of the acromioclavicular joint. Falstie-Jensen S, et al. **J Bone Joint Surg [Br]** 1982; 64(3):368-9
Posterior atlanto-axial subluxation in rheumatoid arthritis. Hart LE, et al. **J Can Assoc Radiol** 1981 Dec;32(4):240-1
Mid-foot disassociation in rheumatoid arthritis. Pastershank SP. **J Can Assoc Radiol** 1981 Sep;32(3):166-7
Snapping scapholunate subluxation. Jackson WT, et al. **J Hand Surg** 1981 Nov,6(6):590-4
Dislocation of the scapula. Ainscow DA. **J R Coll Surg Edinb** 1982 Jan;27(1):56-7
A protocol for selecting patients with injured extremities who need x-rays. Brand DA, et al. **N Engl J Med** 1982 Feb 11;306(6):333-9
Prognostic features of atlantoaxial subluxation in rheumatoid arthritis patients. Weissman BN, et al. **Radiology** 1982 Sep; 144(4):745-51
Case report 183: dislocation of the cuboid bone without fracture. Fagel VL, et al. **Skeletal Radiol** 1982 Jan; 7(4):287-8
Relevant signs of stable and unstable thoracolumbar vertebral column trauma. Gehweiler JA Jr, et al. **Skeletal Radiol** 1981;7(3):179-83
Subtalar dislocation. El-Khoury GY, et al. **Skeletal Radiol** 1982;8(2):99-103
Occipital condyle fracture associated with cervical spine injury. Goldstein SJ, et al. **Surg Neurol** 1982 May; 17(5):350-2
[Radio-carpal luxation] Møller E. **Ugeskr Laeger** 1982 Apr 26;144(17):1226-7 (Eng. Abstr.) (Dan)
[Transsternal sternoclavicular projection. Diagnostic value in sternoclavicular dislocations (author's transl)] Féry A, et al. **J Radiol** 1981 Mar;62(3):167-70 (Eng. Abstr.) (Fre)
[Posterior dislocation of the scaphoid: report of one case (author's transl)] André S, et al. **Rev Chir Orthop** 1981; 67(5):577-80 (Eng. Abstr.) (Fre)
[A healed dens fracture in an unusual malposition] Brassow F, et al. **ROFO** 1981 Nov;135(5):615-6 (Ger)
[CT diagnosis of the ventral slit formation of the 1st cervical vertebrae] Thiede G, et al. **ROFO** 1982 May;136(5):613-4 (Ger)
[Luxations and luxation fractures of the carpometakarpal joints IV and V (author's transl)] Schild H, et al. **Rontgenblatter** 1982 Jan;35(1):19-22 (Eng. Abstr.) (Ger)
[The pseudoluxation of the acromio-clavicular joint - a special type of epiphyseolysis (author's transl)] Neu K, et

al. **Z Kinderchir** 1981 Sep;34(1):80–2 **(Eng. Abstr.) (Ger)**
[Apparatus for radiography of the foot in the stress position] Bednarek J. **Chir Narzadow Ruchu Ortop Pol** 1981; 46(4):411–3 **(Pol)**

REHABILITATION

Patellar pain and quadriceps rehabilitation. An EMG study. Wild JJ Jr, et al. **Am J Sports Med** 1982 Jan–Feb;10(1):12–5
Treatment of protracted bilateral mandibular dislocation with Proplast–Vitallium prostheses. Blank DM, et al. **Oral Surg** 1982 Apr;53(4):335–9

SURGERY

Anterolateral rotary instability of the knee joint. Results after stabilization by extraarticular transposition of the lateral part of the patellar ligament. A preliminary report. Benum P. **Acta Orthop Scand** 1982 Aug;53(4):613–7
Acromioclavicular joint dislocation – surgical results in 36 patients. Vainionpää S, et al. **Ann Chir Gynaecol** 1981; 70(3):120–3
Recurrent dislocation of the mandible: treatment of ten cases by the Dautrey procedure. Lawlor MG. **Br J Oral Surg** 1982 Mar;20(1):14–21
Treatment of acute lunate and perilunate dislocations. Adkison JW, et al. **Clin Orthop** 1982 Apr;(164):199–207
Complex dislocations of the metacarpophalangeal joint. Bohart PG, et al. **Clin Orthop** 1982 Apr;(164):208–10
Treatment of painful long–standing displaced fracture–dislocations of the sacrum. A case report. Fredrickson BE, et al. **Clin Orthop** 1982 Jun;(166):93–5
An arthroscopic method for lateral release of subluxating or dislocating patella. Metcalf RW. **Clin Orthop** 1982 Jul; (167):9–18
Irreducible volar dislocation of the proximointerphalangeal joint. Meyn MA Jr. **Clin Orthop** 1981 Jul–Aug;(158):215–8
Wedge recession for treatment of recurrent luxation of the patella: a preliminary report. Slocum B, et al. **Clin Orthop** 1982 Apr;(164):48–53
Irreducible fracture–dislocations of the ankle associated with interposition of the tibialis posterior tendon: case report and review of the literature of a specific ankle fracture syndrome. Walker RH, et al. **Clin Orthop** 1981 Oct; (160):212–6
Habitual anterior subluxation of the head of the ulna treated by Baldwin's operation. A case report. Thomas TL, et al. **Hand** 1982 Feb;14(1):67–70
A new surgical approach to stabilizing C1–2 subluxation in rheumatoid arthritis. de los Reyes RA, et al. **Henry Ford Hosp Med J** 1981;29(3):127–30
Open reduction and percutaneous Kirschner wire fixation in complete disruption of the acromioclavicular joint. O'Carroll PF, et al. **Injury** 1982 Jan;13(4):299–301
Unilateral facetal dislocation of LV3 on LV4—an unusual injury. Sciberras C. **Injury** 1982 Mar;13(5):388–90
Anterior interbody fusion in fractures and fracture–dislocations of the spine. Moon MS, et al. **Int Orthop** 1981;5(2):143–9
Displaced V–osteotomies. A case report. Fenton CF 3d, et al. **J Am Podiatry Assoc** 1982 Mar;72(3):150–2
Dorsal dislocation of the lunate with carpal collapse. Report of two cases. Bilos ZJ, et al. **J Bone Joint Surg [Am]** 1981 Dec;63–A(9):1484–6
Cervical fusion in rheumatoid arthritis. Conaty JP, et al. **J Bone Joint Surg [Am]** 1981 Oct;63A(8):1218–27
Unstable fracture–dislocations of the forearm (Monteggia and Galeazzi lesions). Reckling FW. **J Bone Joint Surg [Am]** 1982 Jul;64(6):857–63
Approaches to lateral ankle repair: recurrent ankle sprains. Borovoy M, et al. **J Foot Surg** 1982 Summer;21(2):127–31
Surgical correction of metatarsophalangeal joint dislocation and arthritic deformity: the partial head and plantar condylectomy. Buxbaum FD. **J Foot Surg** 1979 Spring; 18(1):36–40
Subtalar dislocations. Ganel A, et al. **J Foot Surg** 1981 Fall; 20(3):142–4
Irreducible radiocarpal fracture–dislocation and radioulnar dissociation with entrapment of the ulnar nerve, artery and flexor profundus II–V–case report. Fernandez DL. **J Hand Surg** 1981 Sep;6(5):456–61
Ulnotriquetral augmentation tenodesis: a reconstructive procedure for dorsal subluxation of the distal radioulnar joint. Hui FC, et al. **J Hand Surg** 1982 May;7(3):230–6
Management of chronic rotary subluxation of the scaphoid by scapho–trapezio–trapezoid arthrodesis. Kleinman WB, et al. **J Hand Surg** 1982 Mar;7(2):125–36
Stener lesion after lateral dislocation of the proximal interphalangeal joint—indication for open reduction. Stern PJ. **J Hand Surg** 1981 Nov;6(6):602–4
Chronic fracture dislocation of the proximal interphalangeal joint–treatment by osteotomy and bone graft. Zemel NP, et al. **J Hand Surg** 1981 Sep;6(5):447–55
Transoral approach to the cervical spine: report of four cases. O'Laoire SA, et al. **J Neurol Neurosurg Psychiatry** 1982 Jan;45(1):60–3
Surgical treatment of acute cervical fracture–dislocation. Cancelliere M, et al. **J Neurosurg Sci** 1981 Apr–Jun; 25(2):79–83
Longitudinal median somatotomy in the treatment of neurological syndromes in cervical fracture–dislocation. Conti P, et al. **J Neurosurg Sci** 1981 Jul–Dec;25(3–4):221–2
Contribution to the surgical treatment of traumatic lesions of the upper cervical spine. Report of a case. Del Gaizo S, et al. **J Neurosurg Sci** 1981 Jul–Dec;25(3–4):223–6
Tarso–metatarsal joint injuries in children. Wiley JJ. **J Pediatr Orthop** 1981;1(3):255–60
Longterm follow–up of posterior cervical fusion for atlanto–axial subluxation in rheumatoid arthritis. Awerbuch MS, et al. **J Rheumatol** 1981 May–Jun;8(3):423–32
Repair of dislocated globe. Adhikary HP, et al. **J Trauma** 1982 Feb;22(2):167–8
Irreducible tarsometatarsal fracture–dislocation. Blair WF. **J Trauma** 1981 Nov;21(11):988–90
Volar fracture–dislocation of the carpometacarpal joint of the index finger treated by delayed open reduction. Schutt RC Jr, et al. **J Trauma** 1981 Nov;21(11):986–7
An unusual pediatric orthopedic problem: subluxation of the cervical spine. Embury SP. **Nebr Med J** 1982 Feb;67(2):34
Dorsal dislocation of the metacarpophalangeal joint of the index finger. Deenstra W. **Neth J Surg** 1981 Dec; 33(5):243–6
Fronto–orbito–nasal dislocations., Secondary treatment of sequelae. Merville LC, et al. **Scand J Plast Reconstr Surg** 1981;15(3):299–305
Fronto–orbito nasal dislocations. Initial total reconstruction. Merville LC, et al. **Scand J Plast Reconstr Surg** 1981; 15(3):287–97
Sequelae of atlantoaxial stabilization in two patients with Down's syndrome. Nordt JC, et al. **Spine** 1981 Sep–Oct; 6(5):437–40
Cervical Interbody fusion using calf bone. Siqueira EB, et al. **Surg Neurol** 1982 Jul;18(1):37–9
Cites priorities in reducing cervical subluxations [letter] Rish BL. **Va Med** 1981 Dec;108(12):761–2
Late surgical reduction of cervical subluxations. Whitehill R, et al. **Va Med** 1981 Sep;108(9):616–7
[Complete dislocation of the knee: analysis of 20 cases (author's transl)] Zhang DQ. **Chung Hua Wai Ko Tsa Chih** 1981 Oct;19(10):624–6 (Eng. Abstr.) **(Chi)**
[Proximal realignment operation in patello–femoral diseases] Hvid I, et al. **Ugeskr Laeger** 1981 Oct 5;143(41):2646–8 (Eng. Abstr.) **(Dan)**
[Treatment of severe acromio–clavicular dislocations. A coraco–clavicular ligamentoplasty technique derived from Cadenat's procedure (author's transl)] Augereau B, et al. **Ann Chir** 1981 Nov;35(9 Pt 1):720–2 (Eng. Abstr.) **(Fre)**
[Fronto–orbito–nasal dislocations. Treatment of sequelae] Merville LC, et al. **Ann Chir Plast** 1981;26(4):319–31 (Eng. Abstr.) **(Fre)**
[Surgical fixation of displaced pelvic fractures and dislocations of the symphysis pubis (excluding acetabular fractures) (author's transl)] Letournel E. **Rev Chir Orthop** 1981;67(8):771–82 (Eng. Abstr.) **(Fre)**
[Habitual dislocation of the patella. Surgical treatment by a semitendinosis transplant (author's transl)] Uezaki N. **Rev Chir Orthop** 1981;67(7):695–8 (Eng. Abstr.) **(Fre)**
[Treatment of complete acromioclavicular luxation with a coracoclavicular screw] Bonnel F, et al. **Acta Chir Acad Sci Hung** 1981;22(1–2):69–74 (Eng. Abstr.) **(Ger)**
[Results of surgical treatment of fresh acromioclavicular dislocations] Birkigt HG, et al. **Beitr Orthop Traumatol** 1982 Mar;29(3):140–6 (Eng. Abstr.) **(Ger)**
[Dynamic stabilization of acromioclavicular joint dislocation] Leithe J, et al. **Chirurg** 1982 Jan;53(1):48–50 (Eng. Abstr.) **(Ger)**
[Injuries of the cervical, thoracic and lumbar vertebrae] Ludolph E, et al. **Chirurg** 1982 May;53(5):279–85 **(Ger)**
[Uses of autologous skin in traumatology] Müller J, et al. **Chirurg** 1982 Apr;53(4):211–8 **(Ger)**
[Treatment outcome in de Quervain's dislocation fracture] Eitenmüller J, et al. **Handchirurgie** 1981;13(3–4):218–20 (Eng. Abstr.) **(Ger)**
[Isolated trapezium dislocation fracture after a serious traffic accident] Towfigh H. **Handchirurgie** 1981;13(3–4):242–6 (Eng. Abstr.) **(Ger)**
[Injuries of the clavicular joints] Ricklin P. **Helv Chir Acta** 1982 Jan;48(5):561–9 (Eng. Abstr.) **(Ger)**
[Late results after dislocations and fractures of the ankle and foot (author's transl)] Hierholzer G, et al. **Langenbecks Arch Chir** 1981;355:443–8 (Eng. Abstr.) **(Ger)**
[Fractures and dislocation fractures of os calcis, tarsi, metatarsi, and hallux (author's transl)] Jahna H. **Langenbecks Arch Chir** 1981;355:427–33 (Eng. Abstr.) **(Ger)**
[The surgical treatment of acromioclavicular dislocation] Wenzel R, et al. **Med Welt** 1981 Nov 27;32(48):1848–51 **(Ger)**
[Management of acromioclavicular luxation using a special plate] Taoussanis K. **Ther Ggw** 1981 Oct;120(10):914–8 **(Ger)**
[Vertical intrapatellar restraint in patellar dislocation, patellar tissue insufficiency and patellar chondropathy (author's transl)] Asshoff H. **Z Orthop** 1982 Apr;120(2):113–4 **(Ger)**
[Results of operative treatment of acromioclavicular joint dislocation] Garlipp M. **Zentralbl Chir** 1982;107(9):530–2 **(Ger)**
[New trends in treating fractures and dislocations of the cervical spine (author's transl)] Usbeck W, et al. **Zentralbl Chir** 1981;106(6):369–72 (Eng. Abstr.) **(Ger)**
[The primary operative treatment of the ligament lesions following to cubital dislocation (author's transl)] Bárány I, et al. **Magy Traumatol Orthop Helyreallito Sebesz** 1981; 24(3):167–70 (Eng. Abstr.) **(Hun)**
[Dynamic ligament substitution in case of inveterate acromioclavicular dislocation (author's transl)] Perés K. **Magy Traumatol Orthop Helyreallito Sebesz** 1982; 25(1):19–25 **(Hun)**
[Distal realignment for recurrent dislocation of the kneecap (remote results of the Putti–Goebbel operation)] Aglietti P, et al. **Arch Putti Chir Organi Mov** 1981;31:55–71 (97 ref.) (Eng. Abstr.) **(Ita)**
[Implantation of a semilunar prosthesis in inveterate perilunar trans–scaphoid dislocation of the wrist] Bertini S, et al. **Arch Putti Chir Organi Mov** 1981;31:211–6 (Eng. Abstr.) **(Ita)**
[Acromio–clavicular dislocation. Our surgical experience] Bellando Randone P, et al. **Chir Organi Mov** 1979 May–Jun; 65(3):309–18 (Eng. Abstr.) **(Ita)**
[Dislocation of the patella in childhood. Surgical treatment and results] Dal Monte A, et al. **Chir Organi Mov** 1979 Sep–Oct;65(5):539–48 (Eng. Abstr.) **(Ita)**
[Results of treatment of dislocations of the acromioclavicular joint] Bednarek J, et al. **Chir Narzadow Ruchu Ortop Pol** 1981;46(1):13–6 (Eng. Abstr.) **(Pol)**
[Treatment of multiple injuries of the musculoskeletal system] Matwin B, et al. **Chir Narzadow Ruchu Ortop Pol** 1981; 46(3):190–2 **(Pol)**
[Slocum procedure in the treatment of chronic anterior–medial instability of the knee joint] Szulc W, et al. **Chir Narzadow Ruchu Ortop Pol** 1981;46(3):247–51 **(Pol)**
[Method of surgical treatment of congenital dislocation of the patella] Gruntovskii VI. **Ortop Travmatol Protez** 1981 Oct;(10):56–7 **(Rus)**
[Surgical treatment of chronic initially uncomplicated dislocations of the cervical vertebrae] Iumashev GS, et al. **Ortop Travmatol Protez** 1981 Dec;(12):13–7 (Eng. Abstr.) **(Rus)**
[Closed dislocation of the 1st carpal bone] Perepelitsa GF, et al. **Ortop Travmatol Protez** 1981 Aug;(8):48 **(Rus)**
[Surgical treatment of complex injuries to the talus] Drachuk PS, et al. **Vestn Khir** 1982 Feb;128(2):81–3 (Eng. Abstr.) **(Rus)**
[Surgical treatment of fractures of the mandibular condyle complicated by dislocation of the head] Kamalov RK. **Vestn Khir** 1982 Feb;128(2):79–81 (Eng. Abstr.) **(Rus)**
[Traumatic dislocation of the metatarsophalangeal joints (author's transl)] Maar D. **Acta Chir Orthop Traumatol Cech** 1981 Oct;48(5):466–7 (Eng. Abstr.) **(Slo)**

THERAPY

Long–term prognosis of tarsal dislocations. Mestdagh H, et al. **Arch Orthop Trauma Surg** 1982;99(3):153–9
The role of local anaesthesia in the reduction of long–standing dislocation of the temporomandibular joint. Littler BO. **Br J Oral Surg** 1980 Jun;18(1):81–5
Recurrent dislocation of the elbow accompanied by ulnar neuropathy: a case report and review of the literature. Malkawi H. **Clin Orthop** 1981 Nov–Dec;(161):270–4
Investigations on recurrent condyle dislocation in patients with temporomandibular joint dysfunction: a therapeutical concept. Jacobi–Hermanns E, et al. **Int J Oral Surg** 1981; 10(Suppl 1):318–23
Long–standing bilateral dislocation of the mandible in the elderly. Vero D. **Int J Oral Surg** 1981;10(Suppl 1):313–7
Subtalar dislocation of the foot. DeLee JC, et al. **J Bone Joint Surg [Am]** 1982 Mar;64(3):433–7
Panclavicular dislocation. Report of a case. Gearen PF, et al. **J Bone Joint Surg [Am]** 1982 Mar;64(3):454–5
Management of patellar malalignment. Kettelkamp DB. **J Bone Joint Surg [Am]** 1981 Oct;63A(8):1344–8 (45 ref.)
Subtalar dislocation. Monson ST, et al. **J Bone Joint Surg [Am]** 1981 Sep;63A(7):1156–8
Injuries to the tarsometatarsal joint. Incidence, classification and treatment. Hardcastle PH, et al. **J Bone Joint Surg [Br]** 1982;64(3):349–56
Treatment of nontraumatic atlantoaxial dislocation and fibrous fusion. Case report. Lucas JT, et al. **J Neurosurg** 1982 Jan;56(1):139–42
Acute traumatic lateral dislocation of the patella: an unusual case presentation. Moed BR, et al. **J Trauma** 1982 Jun; 22(6):516–8
Dislocations of the lower cervical spine. O'Brien PJ, et al. **J Trauma** 1982 Aug;22(8):710–4
Closed manipulation leading to immediate recovery from cervical spine dislocation with paraplegia [letter] Duke RF, et al. **Lancet** 1981 Sep 12;2(8246):577–8
Fractures of the elbow in children. D'Ambrosia R, et al. **Pediatr Ann** 1982 Jun;11(6):541–8, 550–3
Cervical spine injuries in children. Stauffer ES, et al. **Pediatr Ann** 1982 Jun;11(6):502–8, 510–1
[Fresh sprains and ligament ruptures of the proximal interphalangeal joints] Gaudernak T, et al. **Handchirurgie** 1981;13(3–4):231–7 (Eng. Abstr.) **(Ger)**
[Late effects after elbow injuries in children and adolescents—cause, primary treatment (author's transl)] von Laer L. **Orthopade** 1981 Sep;10(4):264–73 **(Ger)**
[Emergencies in general medicine. 16. Luxation] Naber M. **ZFA (Stuttgart)** 1982 Apr 10;58(10):577–8 **(Ger)**
[Bloodless treatment of knee cap instability; personal

experience] Villa I, et al. **Chir Ital** 1982 Jun;34(3):483–91 **(Ita)**

[A case of isolated dislocation of the carpal scaphoid] Crespi M, et al. **Chir Organi Mov** 1979 Sep–Oct;65(5):631–5 (Eng. Abstr.) **(Ita)**

[Bennett's fracture] Bogdanov EA. **Ortop Travmatol Protez** 1982 Apr;(4):62–6 (65 ref.) **(Rus)**

VETERINARY

Pneumatically powered vertebral displacement device for dogs. Fialho SA, et al. **Am J Vet Res** 1982 Jul;43(7):1254–7

Exercise in diagnostic radiology. Farrow CS. **Can Vet J** 1981 Nov;22(11):359–60

Distal luxation of the patella in a horse. McIlwraith CW, et al. **J Am Vet Med Assoc** 1982 Jul 1;181(1):67–9

[Atlanto–axial subluxation in the dog] Lakatos L, et al. **Schweiz Arch Tierheilkd** 1981 Sep;123(9):455–65 (Eng. Abstr.) **(Ger)**

DISODIUM CROMOGLYCATE

ADMINISTRATION & DOSAGE

Comparison of three different preparations of disodium cromoglycate in the prevention of exercise–induced bronchospasm: a double–blind study. Corkey C, et al. **Am Rev Respir Dis** 1982 Jun;125(6):623–6

Cromolyn in conditions other than asthma [letter] Auty RM. **Ann Allergy** 1981 Dec;47(6):476

Double–blind controlled crossover trial of 4% intranasal sodium cromoglycate solution in patients with seasonal allergic rhinitis. Chandra RK, et al. **Ann Allergy** 1982 Sep; 49(3):131–4

Comparison of nebulised sodium cromoglycate and oral theophylline in controlling symptoms of chronic asthma in pre–school children: a double blind study. Newth CJ, et al. **Aust NZ J Med** 1982 Jun;12(3):232–8

Sodium cromoglycate delivered by pressurized aerosol in the treatment of asthma. So SY, et al. **Clin Allergy** 1981 Sep; 11(5):479–82

Sodium cromoglycate aerosol. **Drug Ther Bull** 1982 Apr 2; 20(7):27

Nebulised sodium cromoglycate in the treatment of wheezy bronchitis in infants and young children. Geller–Bernstein C, et al. **Respiration** 1982;43(4):294–8

Exercise–induced asthma diagnosis and prevention with a metered dose aerosol formulation of sodium cromoglycate. Sanguinetti CM, et al. **Respiration** 1982;43(2):132–41

[Oral sodium cromoglycate. Effect on hyperglobulinemia E and atopic eczema in child (letter)] Henocq E. **Nouv Presse Med** 1981 Oct 24;10(38):3162 **(Fre)**

[Nasal disodium cromoglycate for perennial rhinitis] Karman S, et al. **Harefuah** 1981 Mar 1;100(5):224–5 (Eng. Abstr.) **(Heb)**

[Sodium cromoglycate (Intal) in the treatment of pollen–induced rhinitis] Droszcz W, et al. **Otolaryngol Pol** 1981;35(2):117–9 (Eng. Abstr.) **(Pol)**

ADVERSE EFFECTS

Acute chemotic reaction to cromolyn. Ostler HB. **Arch Ophthalmol** 1982 Mar;100(3):412–3

Immunoglobulin E–mediated anaphylaxis with inhaled cromolyn sodium. Brown LA, et al. **J Allergy Clin Immunol** 1981 Dec;68(6):416–20

Asthma attacks precipitated by disodium cromoglycate in boy with alpha 1–antitrypsin deficiency [letter. Price HV. **Lancet** 1982 Sep 11;2(8298):606–7

ANALOGS & DERIVATIVES

Effects of sodium cromoglycate analogues on the immunological release of slow reacting substance of anaphylaxis and histamine from human and guinea–pig lung in vitro. Armour CL, et al. **J Pharm Pharmacol** 1982 Jun; 34(6):401–2

CHEMICAL SYNTHESIS

[A simplified synthesis of 1,3–bis (2–carboxychromone–7–oxy)–2–hydroxypropane disodium salt (78012) (author's transl)] Liang XT, et al. **Yao Hsueh Hsueh Pao** 1982 Feb;17(2):143–5 (Eng. Abstr.) **(Chi)**

METABOLISM

Hepatic and renal clearance of sodium cromoglycate. Clark B, et al. **J Pharm Pharmacol** 1981 Nov;33(11):744–5

Altered ocular absorption and disposition of sodium cromoglycate upon ion–pair and complex coacervate formation with dodecylbenzyldimethylammonium chloride. Wilson CG, et al. **J Pharm Pharmacol** 1981 Dec; 33(12):749–53

PHARMACODYNAMICS

In vitro studies on the mechanism of action of a new antiallergic, Ro 21–7634. Welton AF, et al. **Agents Actions** 1981 Jul;11(4):345–51

Current views of the mechanism of action of prophylactic antiallergic drugs. González Alvarez R, et al. **Allergol Immunopathol (Madr)** 1981 Nov–Dec;9(6):501–8 (61 ref.)

Effect of sodium cromoglycate on bronchial smooth muscle [letter] Thomson NC, et al. **Br J Clin Pharmacol** 1981 Sep; 12(3):440–1

Antigen–induced bronchial anaphylaxis in actively sensitized guinea–pigs: effect of long–term treatment with sodium cromoglycate and aminophylline. Andersson P, et al. **Br J Pharmacol** 1981 Nov;74(3):601–9

The role of basophils in asthma. I. Sodium cromoglycate on histamine release and content. Church MK. **Clin Allergy** 1982 May;12(3):223–8

The effect of disodium cromoglycate on rectal mucosal histamine release, eosinophil exudation and disease activity in active ulcerative colitis. Rampton DS, et al. **Clin Allergy** 1982 May;12(3):243–8

Specific inhibition of allogeneic reactions with disodium cromoglycate. McIntyre JA, et al. **Hum Immunol** 1981 Oct; 3(2):163–72

Anomalous effects of disodium cromoglycate. A study on two secretory systems. Alm PE, et al. **Int Arch Allergy Appl Immunol** 1981;66(4):416–26

Stimulation of contact sensitivity to oxazolone by disodium cromoglycate. Griswold DE, et al. **Int Arch Allergy Appl Immunol** 1982;69(2):93–7

Inhibition of in vitro allogeneic reactions with disodium cromoglycate. McIntyre JA, et al. **Int Arch Allergy Appl Immunol** 1981;66(3):244–50

Effects of glucocorticoids and disodium cromoglycate on avidin production in chick tissues. Nordback I, et al. **J Endocrinol** 1982 Feb;92(2):283–91

Alkaline phosphatase inhibition by a series of pyrido[2,1–b]quinazolines: A possible relationship with cromolyn–like antiallergy activity. Schwender CF, et al. **J Med Chem** 1982 Jun;25(6):742–5

Inhibition of gastric acid secretion by sodium cromoglycate and FPL 52694. Nicol AK, et al. **J Pharm Pharmacol** 1981 Aug;33(8):554–6

Stabilizing action of disodium cromoglycate on erythrocyte membrane. Kuriyama K, et al. **J Pharmacobiodyn** 1981 Oct; 4(10):779–87

The action of disodium cromoglycate on allergen–induced bronchoconstriction. Zimmermann I, et al. **Res Exp Med (Berl)** 1982;180(2):127–37

THERAPEUTIC USE

Bullous urticaria pigmentosa (cutaneous mastocytosis) and sodium cromoglycate therapy. Evans S, et al. **Acta Derm Venereol (Stockh)** 1981;61(6):572–5

Is the anti–allergic activity of sodium cromoglycate confined to its effect on the mast cell? [letter] Pearce FL. **Allergy** 1981 May;36(4):279–80

Inhibition of sulfur dioxide–induced bronchoconstriction by disodium cromoglycate in asthmatic subjects. Sheppard D, et al. **Am Rev Respir Dis** 1981 Sep;124(3):257–9

The immediate effect of sodium cromoglycate on the airway. Hughes D, et al. **Ann Allergy** 1982 Jan;48(1):6–8

Sodium cromoglycate and provocation tests in chronic urticaria. Ortolani C, et al. **Ann Allergy** 1982 Jan;48(1):50–2

Actions of salbutamol, disodium cromoglycate, and placebo administered as aerosols in acute asthma. Hasham F, et al. **Arch Dis Child** 1981 Sep;56(9):722–5

Effects of salbutamol, ipratropium bromide and disodium cromoglycate on breathlessness induced by exercise in normal subjects. Stark RD, et al. **Br J Clin Pharmacol** 1981 Oct;12(4):497–501

A controlled trial of oral sodium cromoglycate in atopic eczema. Atherton DJ, et al. **Br J Dermatol** 1982 Jun; 106(6):681–5

Urticaria pigmentosa: clinical picture and response to oral disodium cromoglycate. Czarnetzki BM, et al. **Br J Dermatol** 1981 Nov;105(5):563–7

Vernal keratoconjunctivitis in an Israeli group of patients and its treatment with sodium cromoglycate. Baryishak YR, et al. **Br J Ophthalmol** 1982 Feb;66(2):118–22

Sodium cromoglycate in proctitis and ulcerative colitis [editorial] Allan RN. **Br Med J [Clin Res]** 1982 Jan 9; 284(6309):70–1

Steroids and cormolyn for treatment of chronic asthma. Toogood JH. **Chest** 1982 Jul;82(1 Suppl):42S–44S

A clinical comparison of topical clobetasone butyrate and sodium cromoglycate in allergic conjunctivitis. Frankland AW, et al. **Clin Allergy** 1981 Sep;11(5):473–8

Comparison of sodium cromoglycate pressurized aerosol and powder in the treatment of asthma. Lal S, et al. **Clin Allergy** 1982 Mar;12(2):197–201

A double–blind trial comparing disodium cromoglycate (DSCG), and ketotifen in extrinsic asthmatic children. Schuhl JF, et al. **Clin Allergy** 1981 Jul;11(4):401–5

Oxatomide and exercise–induced asthma in children: the value of serial exercise tests. Silverman M, et al. **Clin Allergy** 1981 Sep;11(5):421–8

Prophylactic effects of sodium cromoglycate on chronic obstructive pulmonary disease in the horse. Thomson JR, et al. **Equine Vet J** 1981 Oct;13(4):243–6

Randomised placebo–controlled double–blind trial of two dosages of sodium cromoglycate in treatment of varioliform gastritis: comparison with cimetidine. André C, et al. **Gut** 1982 Apr;23(4):348–5

Disodium cromoglycate in vernal catarrh. Bansal Sl, et al. **Indian J Ophthalmol** 1981 Jan;28(4):179–81

Disodium cromoglycate in vernal and allergic kerato–conjunctivitis. Collum LM, et al. **Ir Med J** 1981 Jan;74(1):14–8

Postgraduate course presentation. Cromolyn sodium in the treatment of asthma: changing concepts. **Bernstein IL. J Allergy Clin Immunol** 1981 Oct;68(4):247–53 (61 ref.)

Response of nonallergic rhinitis with eosinophilia (NARES) syndrome to 4% cromoly sodium nasal solution. Nelson BL, et al. **J Allergy Clin Immunol** 1982 Aug;70(2):125–8

Idiopathic obstructive eosinophilic enteritis with raised IgE: response to oral disodium cromoglycate. Gilinsky NH, et al. **Postgrad Med J** 1982 Apr;58(678):239–43

A double–blind controlled trial of the effect of sodium cromoglycate in preventing relapse in ulcerative colitis. Whorwell PJ, et al. **Postgrad Med J** 1981 Jul;57(669):436–8

Atopic dermatitis due to food allergens. Cavagni G. **Practitioner** 1981 Nov;225(1361):1657–60

Comparison of the orally administered anti–allergy agent, ketotifen with sodium cromoglycate in the prophylaxis of bronchial asthma. Kennedy GR, et al. **Respiration** 1981; 41(4):264–9

A survey of rhinitis in Japan and an evaluation of the treatment with sodium cromoglycate. Okuda M. **Rhinology** 1982 Jun;20(2):63–72

Exercise–induced bronchoconstriction as an expression of bronchial hyperreactivity: a study of its mechanisms in children. Neijens HJ, et al. **Thorax** 1981 Jul;36(7):517–22

[Clinical observation of the inthal treatment of bronchial asthma] Kosturkov G, et al. **Vutr Boles** 1981;20(4):98–102 (Eng. Abstr.) **(Bul)**

[The mode of action and uses of disodium cromoglycate in the treatment of obstructive respiratory disorders with special reference to occupation–induced asthma (author's transl)] Kentner M, et al. **Prax Klin Pneumol** 1982 Jul; 36(7):318–22 (Eng. Abstr.) **(Ger)**

[Sodium cromoglycate in children with asthma] Bronstein R. **Harefuah** 1981 Aug;101(3–4):57–8 (Eng. Abstr.) **(Heb)**

[Preventive treatment of asthma due to exertion in children: comparative study of 4 drugs] Miraglia Del Giudice M, et al. **Pediatria (Napoli)** 1981 Dec 31;89(4):679–92 (24 ref.) (Eng. Abstr.) **(Ita)**

[Methacholine hyperreactivity and DSCG treatment (author's transl)] Kano Y. **Arerugi** 1981 Apr;30(4):197–205 (Eng. Abstr.) **(Jpn)**

[Site of airway obstruction and drug effect in exercise induced asthma (author's transl)] Horie T, et al. **Nippon Kyobu Shikkan Gakkai Zasshi** 1981 May; 19(5):308–16 (Eng. Abstr.) **(Jpn)**

[Role of intal in the reduction of corticosteroid doses in the treatment of bronchial asthma and chronic spastic bronchitis] Madalińska M, et al. **Pneumonol Pol** 1981 Aug–Sep;49(8–9):633–5 (Eng. Abstr.) **(Pol)**

[Intal in the treatment of urticaria – observation of 3 cases] Górski P, et al. **Pol Tyg Lek** 1981 Apr 13;36(15):529–30 (Eng. Abstr.) **(Pol)**

[2 cases of allergic bronchopulmonary aspergillosis treated with disodium cromoglycate (Intal)] May K, et al. **Pol Tyg Lek** 1981 Sep 7;36(36):1389–90 **(Pol)**

[Use of intal in the treatment of allergic conjunctivitis in children] Osin AIa. **Oftalmol Zh** 1981;36(5):290–1 (Eng. Abstr.) **(Rus)**

[Changes in the clinico–functional status in patients with chronic respiratory tract obstruction undergoing long–term intal therapy] Iannus LE, et al. **Ter Arkh** 1982;54(4):80–3 (Eng. Abstr.) **(Rus)**

[Systemic mastocytosis. Treatment with disodium cromoglycate and H1 and H2 receptor antagonists (letter)] Martinez–Orozco F, et al. **Med Clin (Barc)** 1982 Jan 25; 78(2):77 **(Spa)**

DISODIUM ETIDRONATE see **SODIUM ETIDRONATE**

DISOPYRAMIDE see under **PYRIDINES**

DISPLACEMENT (PSYCHOLOGY)

Presidential address: on scapegoating in group psychotherapy. Scheidlinger S. **Int J Group Psychother** 1982 Apr;32(2):131–43

Scapegoating: manifestation and intervention. Siegel E. **J Psychiatr Nurs** 1981 Apr;19(4):11–5

Are schedule–induced drinking and displacement activities causally related? Roper TJ, et al. **Q J Exp Psychol [B]** 1981 Aug;33(Pt 3):181–92

DISPOSABLE EQUIPMENT

An easy–to–make disposable irrigation–aspiration cannula. To'mey KF, et al. **Am J Ophthalmol** 1981 Sep;92(3):432–3

New atraumatic absorbing instrument for keeping viscera aside: DISARP. Bengmark S, et al. **Am J Surg** 1981 Sep; 142(3):422–3

Disposable condenser humidifiers in intensive care. Oh TE, et al. **Anaesth Intensive Care** 1981 Nov;9(4):331–5

Automatic disposable stapling devices for wound closure. Johnson A, et al. **Ann Emerg Med** 1981 Dec;10(12):631–5

Multiple use of ordinary disposable syringes for insulin injections. Oli JM, et al. **Br Med J [Clin Res]** 1982 Jan 23;284(6311):236

The need for better plastic materials for disposable medical applications: public health benefits and industrial developments. Bruck SD. **Int J Artif Organs** 1982 Mar; 5(2):85–6

A new disposable Bowie–Dick–type test pack for prevacuum

high-temperature sterilizers. Rhodes P, et al. **Med Instrum** 1982 Mar-Apr;16(2):117-20

Contamination of mechanical ventilators with tubing changes every 24 or 48 hours. Craven DE, et al. **N Engl J Med** 1982 Jun 24;306(25):1505-9

Disposable ventricular catheter. Ray CD. **Neurosurgery** 1981 Oct;9(4):419-20

Disposable Frazier neurosurgery suction tip as intrarenal stone irrigator. Gelbard MK. **Urology** 1982 Apr;19(4):430

[Toxicological evaluation of new paper textile-like materials for medical use] Brodskaia BIa, et al. **Gig Sanit** 1982 Feb;(2):88-9 **(Rus)**

ECONOMICS

Reuse of haemodialysis equipment: convenience and cost effectiveness. Banester HK, et al. **Br Med J [Clin Res]** 1982 Aug 14;285(6340):473-4

Hospitals must conduct ongoing review of their policies on 'disposables versus reusables'. Levi AH. **Hospitals** 1982 Jan 16;56(2):96-7

Reuse of disposable insulin syringes. Stepanas TV, et al. **Med J Aust** 1982 Apr 3;1(7):311-3

[An expensive method of arterial puncture] Ferguson A, et al. **Ugeskr Laeger** 1981 Jun 22;143(26):1656 (Eng. Abstr.) **(Dan)**

STANDARDS

Leaching of a contaminant into the contents of disposable syringes. **Aust NZ J Med** 1981 Aug;11(4):435

Assessing reuse of disposables: an interdisciplinary challenge for the 1980s. Karki M, et al. **Med Instrum** 1981 May-Jun; 15(3):153-5

Disposable insulin syringes [letter] Colagiuri S. **Med J Aust** 1981 Aug 22;2(4):207

DISSECTING ANEURYSM see **ANEURYSM, DISSECTING**

DISSECTION

Extraction of dilute ethanol of formaldehyde-fixed dissecting specimens. Björkman N, et al. **Acta Anat (Basel)** 1982; 112(1):1-8

Aortic dissection following coronary arterial bypass graft surgery. Horowitz RS, et al. **Chest** 1981 Dec;80(6):749-51

HISTORY

'To be dissected and anatomized'. Forbes TR. **J Hist Med Allied Sci** 1981 Oct;36(4):490-2

METHODS

A method for the dissection of lymph node specimens (anatomic method). Mufarrij A, et al. **Am J Surg Pathol** 1981 Jul;5(5):497-500

VETERINARY

Rapid dissection of rodent molar-tooth germs. Kardos TB, et al. **Lab Anim** 1981 Oct;15(4):371-3

DISSEMINATED INTRAVASCULAR COAGULATION

[Progress in the studies of DIC] Maekawa T. **Nippon Rinsho** 1981;39(12):3813-23 **(Jpn)**

BLOOD

Role of leucocyte procoagulant activity in endotoxin-induced DIC: evidence from comparative studies in rats and rabbits. Semeraro N, et al. **Agents Actions** 1981 Dec;11(6-7):646-8

The aggregation of human platelets by ascitic fluid: a possible mechanism for disseminated intravascular coagulation complicating LeVeen shunts. Salem HH, et al. **Am J Hematol** 1981 Sep;11(2):153-7

Alveolar rhabdomyosarcoma associated with disseminated intravascular coagulation and a unique factor VIII antigen. Butler WM, et al. **Arch Intern Med** 1982 Jul;142(7):1379-80

Protein C, an antithrombotic protein, is reduced in hospitalized patients with intravascular coagulation. Griffin JH, et al. **Blood** 1982 Jul;60(1):261-4

Fibronectin: blood turnover in normal animals and during intravascular coagulation. Sherman LA, et al. **Blood** 1982 Sep;60(3):558-63

Distinction between fibrinogen and fibrin degradation products produced during disseminated intravascular coagulation in childhood. Yoshioka K, et al. **Eur J Pediatr** 1982 Feb;138(1):46-8

Decreased production or increased turnover of antithrombin III in severe acquired coagulopathy? Schmidt B, et al. **Klin Wochenschr** 1981 Dec 15;59(24):1349-51

Failure to measure plasma activated factor XIII during disseminated intravascular coagulation. Rodeghiero F, et al. **Ric Clin Lab** 1981 Oct-Dec;11(4):333-6

Functional activities and concentrations of plasmin inhibitors in normal subjects and D.I.C. patients. Velasco F, et al. **Thromb Haemost** 1982 Jun 28;47(3):275-7

[Consumption coagulopathy. Plasma levels of kininogen (letter)] Adam A, et al. **Nouv Presse Med** 1982 Jun 12; 11(28):2153-4 **(Fre)**

[Diagnosis, monitoring and treatment of consumption coagulopathies by the transfer test (letter)] Larcan A, et al. **Nouv Presse Med** 1981 Aug 29-Sep 5;10(31):2586 **(Fre)**

[A case of clostridial bacteremia with consumption coagulopathy] Freund M, et al. **Internist (Berlin)** 1981 Aug; 22(8):514-7 **(Ger)**

[Hemolytic anemia and consumption coagulopathy as a paraneoplastic syndrome in adenocarcinoma] Misera R, et al. **Med Welt** 1981 Aug 14;32(32-33):1214-5 **(Ger)**

[Factor VIII (coagulation activity VIII:C, antigen concentration VIIIR:Ag and von Willebrand factor) in patients with clinically expected intravascular coagulation] Tran TH, et al. **Schweiz Med Wochenschr** 1981 Oct 10; 111(41):1542-3 (Eng. Abstr.) **(Ger)**

[Disseminated intravascular coagulation in metastatic tumors] Ellenbogen A, et al. **Harefuah** 1981 Oct;101(7-8):159-61 (Eng. Abstr.) **(Heb)**

[Studies on rabbit factor VIII. Properties of high and low molecular weight factor VIII and their changes after DIC (author's transl)] Kimura N, et al. **Nippon Ketsueki Gakkai Zasshi** 1981 May;44(3):675-82 (Eng. Abstr.) **(Jpn)**

[Protease inhibitors and plasminogen in leukemia--with special reference to disseminated intravascular coagulation (author's transl)] Hashizume K, et al. **Rinsho Byori** 1982 Feb;30(2):225-31 **(Jpn)**

[Distinction between fibrinogen and fibrin degradation products in serum from patients with DIC (author's transl)] Yoshioka K, et al. **Rinsho Ketsueki** 1981 Sep;22(9):1401-5 (Eng. Abstr.) **(Jpn)**

[Blood plasma kallikrein-kinin system in acute intravascular hemolysis] Vygovskaia IaI, et al. **Sov Med** 1981;(10):14-8 (Eng. Abstr.) **(Rus)**

CHEMICALLY INDUCED

Dopamine gangrene. Association with disseminated intravascular coagulation. Winkler MJ, et al. **Am J Surg** 1981 Nov;142(5):588-91

Anaphylactic shock, acute renal failure, and disseminated intravascular coagulation. Suspected complications of zomepirac. Smith VT. **JAMA** 1982 Feb 26;247(8):1172-3

Experimental model of disseminated intravascular coagulation induced by sustained infusion of endotoxin. Yoshikawa T, et al. **Res Exp Med (Berl)** 1981;179(3):223-8

Diethylstilbestrol-diphosphate-induced disseminated intravascular coagulation in prostatic carcinoma. Cornfield DB, et al. **South Med J** 1982 Feb;75(2):248-9

Disopyramide hepatotoxicity and disseminated intravascular coagulation. Doody PT. **South Med J** 1982 Apr;75(4):496-8

Laboratory evidence of DIC under FEIBA treatment of a hemophilic patient with intracranial bleeding and high titre factor VIII inhibitor. Fukui H, et al. **Thromb Res** 1981 Apr 1-15;22(1-2):177-84

[Thrombopenia and intravascular coagulation during heparin treatment (letter)] Roussi J, et al. **Nouv Presse Med** 1982 Jan 16;11(2):132-3 **(Fre)**

[Acute disseminated intravascular coagulation caused by heparin therapy] Bozóky G, et al. **Orv Hetil** 1981 Jun 7; 122(23):1399-400 **(Hun)**

[Disseminated intravascular coagulation after polychemotherapy of proliferative hematologic diseases] Kaczmarek M. **Pediatr Pol** 1981 Sep;56(9):1031-7 (Eng. Abstr.) **(Pol)**

COMPLICATIONS

Effect of reticuloendothelial blockade on the development of hypotension after trauma, sepsis, and intravascular coagulation. Kaplan JE. **Adv Shock Res** 1979;2:73-81

'Active' intravascular coagulation in the epidemic form of hemolytic-uremic syndrome. Monnens L, et al. **Clin Nephrol** 1982 Jun;17(6):284-7

Pulmonary insufficiency in the rat after intravascular coagulation and inhibition of fibrinolysis. I. Studies on some pathogenetic mechanisms. Gerdin B, et al. **Eur Surg Res** 1981;13(6):402-13

Disseminated intravascular coagulation in the aged complicated by acute myocardial infarction. Ueda K, et al. **Jpn J Med** 1981 Jul;20(3):202-10

The significance of disseminated intravascular coagulation (DIC) in terminal multiple organ failure. Taenaka N, et al. **Med J Osaka Univ** 1981 Sep;32(1-2):47-59

Neurologic complications of disseminated intravascular coagulation. Schwartzman RJ, et al. **Neurology (NY)** 1982 Aug;32(8):791-7

Disseminated intravascular coagulation in hepatic failure treated with antithrombin III. Laursen B, et al. **Thromb Res** 1981 Jun 1-25;22(5-6):701-4

Hyperosmolar nonketotic diabetic state associated with disseminated intravascular coagulation and acute renal failure: a case report. Kaneshige H, et al. **Tokai J Exp Clin Med** 1982 Jan;7(1):81-4

[Primary angiosarcoma of the heart with consumption coagulopathy (author's transl)] Mayer K, et al. **Cas Lek Cesk** 1981 Dec 3;120(48):1442-5 (Eng. Abstr.) **(Cze)**

[Association of disseminated intravascular coagulation and cutaneous crystal cholesterol emboli (author's transl)] Leroy D, et al. **Ann Dermatol Venereol** 1981; 108(8-9):665-73 (Eng. Abstr.) **(Fre)**

[Amniotic fluid embolism. Overview and indications of predominantly disseminating intravascular coagulation] Schmid F, et al. **Gynakol Rundsch** 1982;22(2):96-106 **(Ger)**

[An adult case of group-B meningococcal meningitis complicated by disseminated intravascular coagulation (author's transl)] Hino K, et al. **Kansenshogaku Zasshi** 1980 Oct;54(10):538-43 (Eng. Abstr.) **(Jpn)**

[Four cases of tsutsugamushi disease (scrub typhus) complicated with disseminated intravascular coagulation (author's transl)] Suzuki T, et al. **Kansenshogaku Zasshi** 1981 Sep;55(9):642-8 (Eng. Abstr.) **(Jpn)**

[An autopsy case of tsutsugamushi disease complicated with disseminated intravascular coagulation syndrome (author's transl)] Akai H, et al. **Nippon Naika Gakkai Zasshi** 1982 Jan 10;71(1):59-64 **(Jpn)**

[Acute fatty liver of pregnancy: report of a case complicating DIC and acute pancreatitis (author's transl)] Minakami H, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1982 May; 34(5):637-40 **(Jpn)**

[Subdural hematoma secondary to chronic DIC due to gastric cancer (author's transl)] Furui T, et al. **No Shinkei Geka** 1981 Jul;9(8):935-9 (Eng. Abstr.) **(Jpn)**

[Intracranial hematoma secondary to chronic DIC (author's transl)] Sugiura M, et al. **No Shinkei Geka** 1982 Mar; 10(3):295-303 (Eng. Abstr.) **(Jpn)**

[Effect of methotrexate-citrovorum factor (MTX-CF) rescue therapy in a case of malignant histiocytosis with disseminated intravascular coagulation (author's transl)] Fukuhara S, et al. **Rinsho Ketsueki** 1981 Jul;22(7):1145-51 (Eng. Abstr.) **(Jpn)**

[A case of leukemic non-Hodgkin lymphoma with DIC, which was induced into complete remission by DCOP-therapy (author's transl)] Nakanishi S, et al. **Rinsho Ketsueki** 1981 Jun;22(6):896-902 (Eng. Abstr.) **(Jpn)**

[Role of microcirculatory disorders in the etiology of acute bronchopulmonary diseases in young children] Getseul VV. **Pediatriia** 1982 Feb;(2):51-2 **(Rus)**

[Pathogenesis and diagnostic value of studying the fibrinolytic system and the intravascular coagulation syndrome in acute pneumonia] Makarevich Ia, et al. **Ter Arkh** 1982;54(4):17-21 (Eng. Abstr.) **(Rus)**

[Syndrome of disseminated intravascular coagulation in the pathogenesis of vasculo-hypoxic encephalopathy in status epilepticus] Karlov VA, et al. **Zh Nevropatol Psikhiatr** 1981;81(6):828-30 (Eng. Abstr.) **(Rus)**

DIAGNOSIS

The significance of fibrinopeptide A (FPA) in the diagnosis of low-grade intravascular coagulation and venous thromboembolism. Van Mourik JA. **Haematologica (Pavia)** 1981 Jun;66(3):259-68 **(Eng, ita)**

Wilms tumor with consumption coagulopathy. Peterson NE, et al. **Urology** 1982 Jan;19(1):74-7

[Disseminated intravascular coagulation in neonates (analysis of 23 cases) (author's transl)] Xu CH. **Chung Hua Fu Chan Ko Tsa Chih** 1981 Oct;16(4):200-2 **(Chi)**

[Consumption coagulopathies in childhood] Maak B, et al. **Kinderarztl Prax** 1982 Jan;50(1):1-10 (Eng. Abstr.) **(Ger)**

[Disseminated intravascular coagulation. I. Pathogenetic mechanisms, physiopathological changes and clinical aspects] Boccaccio P, et al. **Minerva Med** 1981 Nov 14; 72(45):3019-30 **(Ita)**

[Characteristics of the disseminated intravascular coagulation syndrome in ischemic heart disease patients with congestive circulatory failure] Panchenko EP. **Kardiologiia** 1981 Aug; 21(8):50-5 (Eng. Abstr.) **(Rus)**

[Disseminated intravascular coagulation syndrome in glomerulonephritis] Shul'tsev GP, et al. **Klin Med (Mosk)** 1981 Oct;59(10):34-8 (Eng. Abstr.) **(Rus)**

[Chronic intravascular blood coagulation in diabetes mellitus] Smolenskii VS, et al. **Klin Med (Mosk)** 1982 Jan;60(1):49-52 (Eng. Abstr.) **(Rus)**

[Disseminated intravascular coagulation in children with severe forms of acute bronchopulmonary disease] Lebedeva SA. **Pediatriia** 1981 Oct;(10):55-6 **(Rus)**

[Diagnosis of the disseminated intravascular coagulation syndrome in septic shock] Makatsariia AD, et al. **Sov Med** 1981;(6):34-9 (Eng. Abstr.) **(Rus)**

[Diagnosis of thromboplastinemia in myocardial infarct] Zubairov DM, et al. **Ter Arkh** 1981;53(8):29-30 **(Rus)**

[Hemorrhagic syndrome in pregnancy and delivery (author's transl)] Dević P, et al. **Jugosl Ginekol Opstet** 1981 Dec; 21(5-6):133-6 **(Ser)**

[The value of the staphylococcal clumping test in the diagnosis of disseminated intravascular coagulation in the infected infant] Ortiz Méndez VM, et al. **Bol Med Hosp Infant Mex** 1981 Jul-Aug;38(4):585-94 (Eng. Abstr.) **(Spa)**

DRUG THERAPY

Endotoxin-induced intravascular coagulation (DIC) and its therapy. Prager RL, et al. **Adv Shock Res** 1979;2:277-87

Diagnosis and management of disseminated intravascular coagulation: the role of heparin therapy. Feinstein DI. **Blood** 1982 Aug;60(2):284-7 (34 ref.)

Platelet and coagulation function in patients with abnormal cardiac valves treated with sulphinpyrazone. Ludlam CA, et al. **Thromb Haemost** 1981 Dec 23;46(4):743-6

The role of heparin therapy in Dispholidus typus envenomation: an experimental study. Atkinson PM, et al. **Thromb Res** 1981 Aug 15–Sep 1;23(4–5):355–63

The transient transfer of plasma antithrombin–III to an extraplasmatic body compartment during haemodialysis. Jespersen J. **Thromb Res** 1981 Jun 1–25;22(5–6):693–6

The influence of drugs on disseminated intravascular coagulation (DIC). V. Effects of alpha–adrenoceptor blocking agents on thrombin–induced DIC in rats. Nowak G, et al. **Thromb Res** 1981 May 15;22(4):417–25

[Animal experiments on direct drug effects on disseminated intravascular coagulation (DIC) in asphyxic shock] Niedner W, et al. **Folia Haematol (Leipz)** 1981;108(4):588–96 (Eng. Abstr.) **(Ger)**

[Calcium–heparin treatment of chronic disseminated intravascular coagulation in liver cirrhosis] Balsano F, et al. **Clin Ter** 1979 Aug 31;90(4):317–23 (Eng. Abstr.) **(Ita)**

ETIOLOGY

Disseminated intravascular coagulation associated with hereditary fructose intolerance. Maggiore G, et al. **Am J Dis Child** 1982 Feb;136(2):169–70

Death from amniotic fluid embolism and disseminated intravascular coagulation after a curettage abortion. Cates W Jr, et al. **Am J Obstet Gynecol** 1981 Oct 1;141(3):346–8

Consumptive coagulopathy following fetal death in a triplet pregnancy. Skelly H, et al. **Am J Obstet Gynecol** 1982 Mar 1;142(5):595–6

Hemostatic abnormalities following Echis carinatus (saw–scaled viper) envenomation in the rhesus monkey. Chugh KS, et al. **Am J Trop Med Hyg** 1981 Sep; 30(5):1116–20

Promyelocytic leukemia with multiorgan infarctions and large–vessel thrombosis [letter] Jetha N. **Arch Pathol Lab Med** 1981 Dec;105(12):683–4

Chronic consumptive coagulopathy with a uterine leiomyoma. Harris MG, et al. **Aust NZ J Obstet Gynaecol** 1982 Feb;22(1):54–8

Disseminated intravascular coagulation during surgery for scoliosis. Raphael BG, et al. **Clin Orthop** 1982 Jan–Feb; (162):41–6

Chronic haemorrhagic disorder induced by dissecting aortic aneurysm. McLeod AA, et al. **Eur Heart J** 1980 Dec; 1(6):409–11

Migratory thrombophlebitis with disseminated intravascular coagulation due to an occult bronchogenic carcinoma. Sharma SK, et al. **Indian J Chest Dis Allied Sci** 1981 Apr–Jun;23(2):100–3

Disseminated intravascular coagulation fibrinolytic syndrome following head injury in children: frequency and prognostic implications. Miner ME, et al. **J Pediatr** 1982 May; 100(5):687–91

Hemangiomatosis of the pleura with hemorrhage and disseminated intravascular coagulation. Hurvitz CH, et al. **J Pediatr Surg** 1982 Feb;17(1):73–5

Disseminated intravascular coagulation in hypothermia [letter] Carden DL, et al. **JAMA** 1982 Apr 16;247(15):2099

Role of splenic red pulp in endotoxin–induced disseminated intravascular coagulation. Lotz MJ, et al. **Lab Invest** 1981 Nov;45(5):469–76

Disseminated intravascular coagulation and head injury [editorial] **Lancet** 1982 Sep 4;2(8297):531

Consumption coagulopathy in acute renal failure induced by hypolipotropic diets. Monserrat AJ, et al. **Nephron** 1981; 28(6):276–84

Hemolysis and consumption coagulopathy due to overheated dialysate. Tielemans CL, et al. **Nephron** 1982;30(2):190–1

Renal involvement in systemic vasculitis – with special reference to intravascular coagulation in the kidney. Tanaka K, et al. **Nippon Jinzo Gakkai Shi** 1981 Jul; 23(7):897–903

Evidence of low–grade intravascular coagulation in patients with transvenous pacemakers. Christopoulou–Cokkinou V, et al. **PACE** 1982 May;5(3):341–4

Disseminated intravascular coagulation in dissecting aortic aneurysm. A case report. Puxeddu A, et al. **Panminerva Med** 1981 Jan–Mar;23(1):39–42

[Acute pancreatitis with disseminated intravascular coagulation treated with heparin and plasma] Jespersen J. **Ugeskr Laeger** 1981 Apr 27;143(18):1152–3 (Eng. Abstr.) **(Dan)**

[Consumption syndromes and liver cirrhosis] Aurousseau MH, et al. **Med Chir Dig** 1981;10(8):685–7 **(Fre)**

[Fatal mycoplasma pneumonia associated with disseminated intravascular coagulation] Kálló K. **Orv Hetil** 1981 Sep 6;122(36):2227–8 **(Hun)**

[2 cases of disseminated intravascular coagulation in P. falciparum malaria: clinical and therapeutic considerations] Rizzo F. **Clin Ter** 1981 Jun 15;97(5):537–46 (38 ref.) **(Ita)**

[Experience with Limulus endotoxin assay in nephrology. II. Findings in clinical practice] Passavanti G, et al. **G Batteriol Virol Immunol** 1981 Jan–Jun;74(1–6):55–60 **(Ita)**

[Non–suppurative recurrent febrile nodular panniculitis (Weber–Christian disease). Description of a case with disseminated intravascular coagulopathy] Ricevuti G, et al. **Recenti Prog Med** 1981 Jul;71(1):30–40 (30 ref.) (Eng. Abstr.) **(Ita)**

[Disseminated intravascular coagulation in the obstetrical field] Angioni G, et al. **Riv Ital Ginecol** 1980; 59(4–5):393–404 (Eng. Abstr.) **(Ita)**

[Coagulant and procoagulant factors in ascitic fluid––about etiology DIC induced by ascitic fluid infusion (author's transl)] Ojiro M. **Igaku Kenkyu** 1981 Oct;51(4):177–85 (Eng. Abstr.) **(Jpn)**

[A pathophysiological and biochemical study of the experimental traumatic shock in rats––a relationship between coagulation/fibrinolytic system and DIC (author's transl)] Kugimiya H. **Masui** 1982 Jan;31(1):75–84 (Eng. Abstr.) **(Jpn)**

[Intravascular coagulation syndrome as a risk factor in ruptured intracranial aneurysms (author's transl)] Akiyama I. **Neurol Med Chir (Tokyo)** 1981 Oct;21(10):1061–8 (Eng. Abstr.) **(Jpn)**

[Disseminated intravascular coagulation (DIC); findings in 40 patients (author's transl)] Ichinose A, et al. **Nippon Naika Gakkai Zasshi** 1981 Nov 10;70(11):1531–6 **(Jpn)**

[DIC associated with acute liver failure] Fukui H, et al. **Nippon Rinsho** 1982;40(4):938–43 **(Jpn)**

[A case of splenic hemangiosarcoma complicated by disseminated intravascular coagulation (author's transl)] Nakazawa M, et al. **Rinsho Ketsueki** 1981 Oct; 22(10):1558–64 (Eng. Abstr.) **(Jpn)**

[Disseminated intravascular coagulation in a rheumatoid patient: a case report (author's transl)] Akai M, et al. **Ryumachi** 1981 Sep;21(5):400–6 (Eng. Abstr.) **(Jpn)**

[Kidney failure and disseminated intravascular coagulation in children] Kaczmarek M, et al. **Pediatr Pol** 1981 Jul; 56(7):755–63 (Eng. Abstr.) **(Pol)**

[Possibilities of development and prevention of disseminated intravascular coagulation during cesarean section] Fedorova ZD, et al. **Akush Ginekol (Mosk)** 1981 Aug; (8):50–1 **(Rus)**

[Disseminated intravascular coagulation in suppurative–septic states in children] Granova LV, et al. **Anesteziol Reanimatol** 1981 Jul–Aug;(4):52–4 (Eng. Abstr.) **(Rus)**

[Observation of the syndrome of disseminated intravascular coagulation after massive blood transfusions] Lukasevich LL. **Klin Khir** 1982 Mar;(3):61–2 **(Rus)**

[Disseminated intravascular coagulation in infectious diseases] Moshchich PS, et al. **Klin Med (Mosk)** 1981 Aug; 59(8):19–22 **(Rus)**

[Significance of thromboplast in the occurrence of the disseminated intravascular coagulation syndrome] Kaše F. **Probl Gematol Pereliv Krovi** 1981 Jul;26(7):41–4 **(Rus)**

[Chronic disseminated intravascular coagulation secondary to an arteriosclerotic aortič aneurysm] Gómez Casal F, et al. **Angiologia** 1982 May–Jun;34(3):140–4 (Eng. Abstr.) **(Spa)**

[The relationship between disseminated intravascular coagulation and purpuric eruptions in meningococcal meningitis (author's transl)] Montis R, et al. **Med Clin (Barc)** 1981 Nov 10;77(8):327–9 (Eng. Abstr.) **(Spa)**

[Clear cell carcinoma of the ovary with hypercalcemia, hyperthyroxinemia and disseminated intravascular coagulation] Mensa Pueyo J, et al. **Rev Clin Esp** 1981 Sep 15;162(5):229–30 **(Spa)**

IMMUNOLOGY

Comparative immunopathologic studies of thrombotic thrombocytopenic purpura, hemolytic–uremic syndrome and disseminated intravascular coagulation. Hayasaka T, et al. **Acta Pathol Jpn** 1981 Jul;31(4):569–81

[Comparison between activities and antigenicities of plasminogen in plasma of healthy subjects and patients with various diseases including DIC (author's transl)] Matsuda T, et al. **Rinsho Byori** 1982 Mar;30(3):311–4 **(Jpn)**

METABOLISM

Clotting and other plasma factors in experimental endotoxemia: inhibition of degradation by exogenous proteinase inhibitors. Jochum M, et al. **Eur Surg Res** 1981; 13(2):152–68

MICROBIOLOGY

Variability in the degree of opsonization and phagocytosis of strains of Staphylococcus aureus isolated from patients with disseminated intravascular coagulation. Tuazon CU, et al. **J Lab Clin Med** 1981 Dec;98(6):949–55

PATHOLOGY

Disseminated intravascular coagulation in infancy and in the neonate. Ocular findings. Ortiz JM, et al. **Arch Ophthalmol** 1982 Sep;100(9):1413–5

Removal of fibrin thrombi in disseminated intravascular coagulation (DIC). Morphological studies. Shimamura K, et al. **Arch Pathol Lab Med** 1981 Dec;105(12):659–63

Intravascular coagulation in mice by the compact–colony–forming active substance (CCFAS) extracted from a strain of Staphylococcus aureus. Yoshida K, et al. **Br J Exp Pathol** 1981 Dec;62(6):583–90

End–stage cytomegalic inclusions retinitis and disseminated intravascular coagulation. Pearce WG, et al. **Can J Ophthalmol** 1981 Apr;16(2):88–93

[Disseminated intravascular coagulation in autopsy cases; its incidence and clinico–pathological significance (author's transl)] Imamura T. **Fukuoka Igaku Zasshi** 1982 Jan 25; 73(1):15–33 (Eng. Abstr.) **(Jpn)**

[Ultrastructural appearance of intravascular coagulation in the kidney caused by burn injury] Saakov BA, et al. **Biull Eksp Biol Med** 1981 Nov;92(11):609–12 (Eng. Abstr.) **(Rus)**

[Contribution to the pathogenesis of disseminated intravascular coagulation in experimental acute decompression sickness (author's transl)] Novomeský F. **Bratisl Lek Listy** 1982 Jan;77(1):24–32 (Eng. Abstr.) **(Slo)**

PHYSIOPATHOLOGY

Role of intravascular coagulation and granulocytes in lung vascular injury after bone marrow embolism. Barie PS, et al. **Circ Res** 1982 Jun;50(6):830–8

Fibrin deposition in the kidney and renal blood flow during intravascular coagulation in the rat: influence of the renin–angiotensin system. Ståhl E, et al. **Clin Sci** 1982 Jan; 62(1):35–41

[Clinical problems of microrheology in disseminated intravascular coagulation (author's transl)] Hartert H. **Arzneimittelforsch** 1981;31(11a):2035–9 (Eng. Abstr.) **(Ger)**

[Disseminated intravascular coagulation and circulatory shock] Matthias FR, et al. **Kardiologiia** 1982;22(7):39–44 (22 ref.) (Eng. Abstr.) **(Rus)**

[Disseminated intravascular coagulation in hemorrhagic fever with renal syndrome] Sirotin BZ, et al. **Klin Med (Mosk)** 1982 Feb;60(2):84–7 (Eng. Abstr.) **(Rus)**

PREVENTION & CONTROL

Enhanced antithrombotic mechanisms in patients with maturity–onset diabetes mellitus without thromboembolic complications. Grignani G, et al. **Thromb Haemost** 1981 Oct;46(3):648–51

[Prevention of the disseminated intravascular coagulation syndrome in emergency states in premature infants] Gavriushov VV, et al. **Anesteziol Reanimatol** 1982 Jan–Feb; (1):44–7 (Eng. Abstr.) **(Rus)**

[Clinical–therapeutical correlations in meningococcal infection: prophylactic heparin therapy (author's transl)] Rodríguez–Vigil Lorenzo E, et al. **An Esp Pediatr** 1981 Oct;15(4):343–8 (Eng. Abstr.) **(Spa)**

THERAPY

Controlled study of treatment for disseminated intravascular coagulation in the neonate. Gross SJ, et al. **J Pediatr** 1982 Mar;100(3):445–8

Observations during the treatment with antithrombin–III concentrate of a case of a tampon–related toxic shock syndrome and disseminated intravascular coagulation. Discrepancies between functional and immunologic determinations of antithrombin. Jespersen J, et al. **Thromb Res** 1982 Jun 15;26(6):457–62

[Disseminated intravascular coagulation in neonates (analysis of 23 cases) (author's transl)] Xu CH. **Chung Hua Fu Chan Ko Tsa Chih** 1981 Oct;16(4):200–2 **(Chi)**

[Clinical observation of 21 cases of Agkistrodon acutus (Guenther) bite complicated by disseminated intravascular coagulation (author's transl)] Rao DS. **Chung Hua Nei Ko Tsa Chih** 1981 Nov;20(11):670–2 **(Chi)**

[Experiences in diagnosis and treatment of DIC after cardiovascular surgery (author's transl)] Xu SC. **Chung Hua Wai Ko Tsa Chih** 1981 Jul;19(7):412–5 (Eng. Abstr.) **(Chi)**

[Deep frozen fresh plasma in blood component therapy: preparation––quality control––indications] Koerner K, et al. **Infusionsther Klin Ernahr** 1981 Oct;8(5):253–8 (Eng. Abstr.) **(Ger)**

[Disseminated intravascular coagulation. II. Therapeutic problems] Boccaccio P, et al. **Minerva Med** 1982 Feb 25; 73(7):309–20 (89 ref.) (Eng. Abstr.) **(Ita)**

VETERINARY

Comparisons of hemagglutination inhibition, staphylococcal clumping, and latex agglutination tests for canine fibrinolytic degradation products. Chen JP, et al. **Am J Vet Res** 1981 Dec;42(12):2049–52

Distal polyneuropathy after canine heartworm disease therapy complicated by disseminated intravascular coagulation. Dillon AR, et al. **J Am Vet Med Assoc** 1982 Aug 1;181(3):239–42

Rational therapy in disseminated intravascular coagulation. Ruehl W, et al. **J Am Vet Med Assoc** 1982 Jul 1;181(1):76–8

DISSERTATIONS, ACADEMIC

A bibliography of doctoral dissertations on aging from American institutions of higher learning, 1979–1981. Mueller JE, et al. **J Gerontol** 1982 Jul;37(4):496–512

HISTORY

[Podagra – a 1788 thesis] Corrêa JV. **Rev Hosp Clin Fac Med Sao Paulo** 1981 Feb;36(1):1–6 (Eng. Abstr.) **(Por)**

DISSOCIATION see **DISSOCIATIVE DISORDERS**

DISSOCIATIVE DISORDERS

Case report--hysterical amnesia as an alternative to suicide. Gudjonsson GH, et al. **Med Sci Law** 1982 Jan;22(1):68–72

CHEMICALLY INDUCED

[Dissociation learning with sodium oxybutyrate] Arkhipov VI, et al. **Farmakol Toksikol** 1981 Nov–Dec;44(6):667–70 **(Rus)**

DIAGNOSIS

Dissociative disorder, conversion disorder and the use of abreaction in a 22 year old male. Chancellor AM. **NZ Med J** 1982 Jun 23;95(710):418–9

ETIOLOGY

Multiple personality and related dissociative phenomena in patients with temporal lobe epilepsy. Schenk L, et al. **Am J Psychiatry** 1981 Oct;138(10):1311–6

THERAPY

Hypnosis to facilitate recall in psychogenic amnesia and fugue states: treatment variables. MacHovec FJ. **Am J Clin Hypn** 1981 Jul;24(1):7–13

DISTAMYCINS see under **PYRROLES**

DISTANCE PERCEPTION

Visual and kinesthetic memory and integration of mentally retarded and nonretarded adults. Elliott D. **Am J Ment Defic** 1981 Sep;86(2):194–200

Separation relative to length determines the organization of two lines into a unit. Gillam B. **J Exp Psychol [Hum Percept]** 1981 Aug;7(4):884–9

Distance estimation and information load. Foos PW. **Percept Mot Skills** 1982 Feb;54(1):79–82

Effects of viewing distance and visual angle on metameric matches. Macdonald RR, et al. **Percept Mot Skills** 1982 Feb;54(1):119–26

Distance cues and depth avoidance on the visual cliff. Morrison PR. **Percept Mot Skills** 1982 Jun;54(3 Pt 2):1195–8

Simultaneous investigation of effects of distance of projection and object size on object reception by children in grade 1. Payne VG. **Percept Mot Skills** 1982 Jun;54(3 Pt 2):1183–7

Perceived loudness and visually-determined auditory distance. Mershon DH, et al. **Perception** 1981;10(5):531–43

Feature misiocalizations and misjudgments of intercharacter distance. Chastain G. **Psychol Res** 1982;44(1):51–65

Time, distance, and feature trade-offs in visual apparent motion. Burt P, et al. **Psychol Rev** 1981 Mar;88(2):171–95

Are rats short-sighted? Effects of stimulus distance and size on visual detection. Dean P. **Q J Exp Psychol [B]** 1981 May;33B(2):69–76

PHYSIOLOGY

Vernier discrimination with sequentially-flashed lines: roles of eye movements, retinal offsets and short-term memory. Matin L, et al. **Vision Res** 1981;21(5):647–56

Velocity blindness during shearing motion. Richards W, et al. **Vision Res** 1982;22(1):97–100

DISTEMPER

CEREBROSPINAL FLUID

Interferon in cerebrospinal fluid. A marker for viral persistence of canine distemper encephalomyelitis. Tsai SC, et al. **Arch Virol** 1982;72(4):257–65

COMPLICATIONS

Parvovirus–distemper relationship [letter] Rottman WL, et al. **J Am Vet Med Assoc** 1981 Aug 15;179(4):318–9

Dual adenovirus and distemper virus pneumonia in a dog. Ducatelle R, et al. **Vet Q** 1982 Apr;4(2):84–8

ETIOLOGY

Response of gray foxes to modified live-virus canine distemper vaccines. Halbrooks RD, et al. **J Am Vet Med Assoc** 1981 Dec 1;179(11):1170–4

Vaccination-induced distemper in kinkajous. Kazacos KR, et al. **J Am Vet Med Assoc** 1981 Dec 1;179(11):1166–9

HISTORY

[Canine distemper--the history of a disease] Fankhauser R. **Schweiz Arch Tierheilkd** 1982 May;124(5):245–56 **(Ger)**

IMMUNOLOGY

Demyelination in experimental canine distemper virus infection: immunological, pathologic, and immunohistological studies. Vandevelde M, et al. **Acta Neuropathol (Berl)** 1982;56(4):285–93

Distemper virus infection in ferrets: an animal model of measles-induced immunosuppression. Kauffman CA, et al. **Clin Exp Immunol** 1982 Mar;47(3):617–25

A radioimmunoassay search for measles and distemper antigens in subacute sclerosing panencephalitis and multiple sclerosis brain tissues. Cook SD, et al. **J Neurol Sci** 1981 Sep;51(3):447–56

MICROBIOLOGY

The isolation of large and small plaque canine distemper viruses which differ in their neurovirulence for hamsters. Cosby SL, et al. **J Gen Virol** 1981 Feb;52(Pt 2):345–53

OCCURRENCE

Distemper and multiple sclerosis in Sitka, Alaska. Cook SD, et al. **Ann Neurol** 1982 Feb;11(2):192–4

PATHOLOGY

Immunological and pathological findings in demyelinating encephalitis associated with canine distemper virus infection. Vandevelde M, et al. **Acta Neuropathol (Berl)** 1982;56(1):1–8

A virally induced obesity syndrome in mice. Lyons MJ, et al. **Science** 1982 Apr 2;216(4541):82–5

Lesions of the enamel organ of developing dog teeth following experimental inoculation of gnotobiotic puppies with canine distemper virus. Dubielzig RR, et al. **Vet Pathol** 1981 Sep;18(5):684–9

Hippocampal necrosis associated with canine distemper virus infection. Braund KG, et al. **Vet Rec** 1981 Aug 8;109(6):122–3

PREVENTION & CONTROL

Infection of canine mononuclear leucocytes by measles virus: possible mechanism of protection from canine distemper. Ho CK, et al. **Can J Microbiol** 1981 Oct;27(10):1128–31

URINE

Viruria in dogs infected with canine distemper. Shen DT, et al. **VM SAC** 1981 Aug;76(8):1175–7

DISTEMPER, FELINE see **FELINE INFECTIOUS ENTERITIS**

DISTEMPER VIRUS, CANINE

ANALYSIS

Analysis of structural proteins of measles, canine distemper, and rinderpest viruses. Sato TA, et al. **Jpn J Med Sci Biol** 1981 Dec;34(6):355–64

Viruria in dogs infected with canine distemper. Shen DT, et al. **VM SAC** 1981 Aug;76(8):1175–7

CLASSIFICATION

Differentiation of measles virus strains and a strain of canine distemper virus by monoclonal antibodies. Giraudon P, et al. **J Gen Virol** 1981 Nov;57(Pt 1):179–83

GROWTH & DEVELOPMENT

Canine bladder epithelial cells in culture: susceptibility to canine distemper and measles viruses. Bui HD, et al. **Am J Vet Res** 1982 Jul;43(7):1268–70

Infection of canine mononuclear leucocytes by measles virus: possible mechanism of protection from canine distemper. Ho CK, et al. **Can J Microbiol** 1981 Oct;27(10):1128–31

Ultrastructural study of long-term canine distemper virus infection in tissue culture cells. Narang HK. **Infect Immun** 1982 Apr;36(1):310–9

Effect of Myocoplasma on growth of canine distemper virus in Vero cells. Hirayama NM, et al. **Nippon Juigaku Zasshi** 1981 Oct;43(5):637–43

IMMUNOLOGY

Autorosette formation of erythrocytes on peripheral blood mononuclear cells in dogs vaccinated with canine distemper live-virus vaccine. Chandler JP, et al. **Infect Immun** 1981 Aug;33(2):482–4

Parvovirus infection and distemper vaccination [letter] Glickman LT, et al. **J Am Vet Med Assoc** 1981 May 15;178(10):1029–31

Response of gray foxes to modified live-virus canine distemper vaccines. Halbrooks RD, et al. **J Am Vet Med Assoc** 1981 Dec 1;179(11):1170–4

Vaccination-induced distemper in kinkajous. Kazacos KR, et al. **J Am Vet Med Assoc** 1981 Dec 1;179(11):1166–9

PATHOGENICITY

The isolation of large and small plaque canine distemper viruses which differ in their neurovirulence for hamsters. Cosby SL, et al. **J Gen Virol** 1981 Feb;52(Pt 2):345–53

Canine distemper virus infection of weanling mice. Pathogenesis of CNS disease. Gilden DH, et al. **J Neurol Sci** 1981 Nov–Dec;52(2–3):327–39

Potentiation of neurovirulence of canine distemper virus in guinea pigs by sensitization with neural antigen. Yoshikawa Y, et al. **Jpn J Exp Med** 1981 Oct;51(5):299–307

DISTIGMINE see under **PYRIDINIUM COMPOUNDS**

DISULFIDES

Immunospecific targeting of liposomes to cells: a novel and efficient method for covalent attachment of Fab' fragments via disulfide bonds. Martin FJ, et al. **Biochemistry** 1981 Jul 7;20(14):4229–38

Disulfide bonds in egg-white riboflavin-binding protein. Chemical reduction studies. Kozik A. **Eur J Biochem** 1982 Jan;121(2):395–400

Disulfide bonds protect the encapsidated chromosomes of Simian virus 40. Ng SC, et al. **FEBS Lett** 1981 Jul 20;130(1):47–9

Synthetic insulin by selective disulfide briding, II. Polymer phase synthesis of the human B chain fragments. Voss C, et al. **Hoppe Seylers Z Physiol Chem** 1981 Jun;362(6):717–25

A new method for the selective synthesis of unsymmetrical cystine peptides. Wünsch E, et al. **Hoppe Seylers Z Physiol Chem** 1982 Apr;363(4):449–53

Statistics of disulfide bond formation in proteins. Galat A. **Int J Biochem** 1982;14(5):363–5

Disulphide bridges in globular proteins. Thornton JM. **J Mol Biol** 1981 Sep 15;151(2):261–87

Implication of the structure and stability of disulfide intermediates of lysozyme on the mechanism of renaturation. Acharya AS, et al. **Mol Cell Biochem** 1982 May 14;44(3):129–48 (73 ref.)

ADVERSE EFFECTS

Contact dermatitis to scabicides. Meneghini CL, et al. **Contact Dermatitis** 1982 Jul;8(4):285–6

ANALYSIS

Sulphhydryl and disulphide stainings of amyloid: a comparison with hyaline body. Danno K, et al. **Acta Derm Venereol (Stockh)** 1981;61(4):285–9

Quantitative determination of free thiol and disulphide groups by a fluorescent maleimide procedure. Broekaert D, et al. **Acta Histochem (Jena)** 1982;70(1):62–8

Electrophoretic evidence for interchain disulfide linkages in proteins of ejaculated bovine spermatozoa. Yoo BY, et al. **Arch Androl** 1982 Mar;8(2):153–5

Disulfide luminescence. Emission characteristics of cyclic tetrapeptide disulfides. Mathew MK, et al. **Biochem Biophys Res Commun** 1981 Nov 30;103(2):498–504

Molecular structure of a cyclic tetrapeptide disulfide. A novel 3(10) helical conformation with an S–S bridge. Prasad BV, et al. **Biochem Biophys Res Commun** 1981 Dec 31;103(4):1138–44

Role of disulfides in the subunit structure of the insulin receptor. Reduction of class I disulfides does not impair transmembrane signalling. Massagué J, et al. **J Biol Chem** 1982 Jun 25;257(12):6729–38

Evidence that the porcine thyrotropin (TSH) receptor contains an essential disulphide bridge. Ginsberg J, et al. **Mol Cell Endocrinol** 1982 Apr;26(1–2):95–102

[Polarization optical detection of sulfhydryl and disulfide groups in membranes of blood and tumor cells (author's transl)] Scheuner G, et al. **Anat Anz** 1982;151(3):315–7 **(Ger)**

[Effect of the inter- and intramolecular disulfide bonds on the electrophoretic properties of influenza virus proteins] Selimova LM, et al. **Vopr Virusol** 1981 May–Jun;(3):358–65 (Eng. Abstr.) **(Rus)**

BLOOD

Free thiol groups and labile disulfide bonds in the IgG fraction of human serum. Schauenstein E, et al. **J Immunol Methods** 1982;50(1):51–6

Disulphide reduction in glutathione-deficient erythrocytes from a patient with pyroglutamic acidemia. Marstein S. **Scand J Clin Lab Invest** 1981 Jun;41(4):347–52

METABOLISM

Increase in hepatic mixed disulphide and glutathione disulphide levels elicited by paraquat. Brigelius R, et al. **Biochem Pharmacol** 1982 Apr 15;31(8):1637–41

The formation of mixed disulphides in rat lung following paraquat administration. Correlation with changes in intermediary metabolism. Keeling PL, et al. **Biochim Biophys Acta** 1982 May 27;716(2):249–57

Clr and Cls subcomponents of human complement: two serine proteinases lacking the 'histidine-loop' disulphide bridge. Arlaud GJ, et al. **Biosci Rep** 1981 Oct;1(10):779–84

Intermolecular disulfide bonding of lens membrane proteins during human cataractogenesis. Takemoto LJ, et al. **Invest Ophthalmol Vis Sci** 1982 Mar;22(3):336–42

The presence of a reducible disulfide bond in milk xanthine oxidase. Hille R, et al. **J Biol Chem** 1982 Aug 10;257(15):8898–901

The biosynthesis of rat serum albumin. In vivo studies on the formation of the disulfide bonds. Peters T Jr, et al. **J Biol Chem** 1982 Aug 10;257(15):8847–53

Glutathione-catalyzed disulfide-linking of C9 in the membrane attack complex of complement. Yamamoto K, et al. **J Biol Chem** 1982 Aug 10;257(15):8573–6

In vitro studies on the metabolic pathway of SQ 14225 (Captopril) and mechanism of mixed disulfide formation. Komai T, et al. **J Pharmacobiodyn** 1981 Sep;4(9):677–84

Increased disulfide-mediated condensation of the nuclear DNA-protein complex in lymphocytes during postnatal development and aging. Tas S, et al. **Mech Ageing Dev** 1982 May;19(1):73–84

Binding of rubratoxin B to mouse hepatic microsomes and in vitro effects of the mycotoxin on polysome binding to microsomal membranes as measured by the activity of an

enzyme catalyzing disulphide interchange. Watson SA, et al. **Toxicon** 1981;19(4):509–16

PHARMACODYNAMICS

Effect of homogeneous magnetic fields on responses to toxic stimulation in Spirostomum ambiguum. Ripamonti A, et al. **Bioelectromagnetics** 1981;2(2):187–98

Disulphide exchange reactions in the control of enzymic activity. Evidence for the participation of dimethyl disulphide in exchanges. Steven FS, et al. **Eur J Biochem** 1981 Sep;119(1):75–8

Activation of pineal acetyl coenzyme A hydrolase by disulfide peptides. Namboodiri MA, et al. **J Biol Chem** 1982 Sep 10;257(17):10030–2

Structure–antitumor activity relationship of purin-6-yl alkyl disulfides. Inomata M, et al. **J Pharmacobiodyn** 1981 Jan; 4(1):58–64

Macrophages and methylthio groups in lymphocyte proliferation. Toohey JI. **J Supramol Struct Cell Biochem** 1981;17(1):11–25

Inhibition of rat liver cytochrome P-450 by benzyl hydrodisulfide. Sawahata T, et al. **Mol Pharmacol** 1982 Mar;21(2):464–7

Regulation of pyruvate dehydrogenase kinase activity by protein thiol–disulfide exchange. Pettit FH, et al. **Proc Natl Acad Sci USA** 1982 Jul;79(13):3945–8

Reversible unidirectional inhibition of sucrose synthase activity by disulfides. Pontis HG, et al. **Proc Natl Acad Sci USA** 1981 Nov;78(11):6667–9

DISULFIRAM

ADMINISTRATION & DOSAGE

Influence of disulfiram on the serum concentration of carbamazepine in patients with epilepsy. Krag B, et al. **Acta Neurol Scand** 1981 Jun;63(6):395–8

Is disulfiram implantation effective? Bergström B, et al. **Lancet** 1982 Jan 2;1(8262):49–50

The effect of prolonged administration of disulfiram alone or in combination with ethanol on some indices of lipid metabolism in the blood serum and hepatic tissue of the rat. Mach T, et al. **Pol J Pharmacol Pharm** 1980 May–Jun; 32(3):327–32

Cure of mice infected with Trypanosoma rhodesiense by cis–diamminedichloroplatinum (II) and disulfiram rescue. Wysor MS, et al. **Science** 1982 Jul 30;217(4558):454–6

[Pharmacological evaluation of the central effect of ethyl alcohol after administration with disulfiram and metronidazole] Czarnecka E. **Pol Tyg Lek** 1981 May 25; 36(21):779–80 **(Pol)**

ADVERSE EFFECTS

The disulfiram (Antabuse)–Alcohol reaction in male alcoholics: its efficient management by 4-methylpyrazole. Lindros KO, et al. **Alcoholism (NY)** 1981 Fall;5(4):528–30

The action of norepinephrine and serotonin in disulfiram therapy [letter] Manohar V. **Am J Psychiatry** 1981 Oct; 138(10):1390–1

Possible toxic interaction between disulfiram and amitriptyline [letter] Maany I, et al. **Arch Gen Psychiatry** 1982 Jun;39(6):743–4

Disulfiram–like reactions to drugs. Smolinske SC. **Colo Med** 1981 Dec;78(12):460–1

Disulfiram neuropathy: a neurofilamentous distal axonopathy. Ansbacher LE, et al. **Neurology (NY)** 1982 Apr;32(4):424–8

[Disulfiram hepatitis] Kobborg N, et al. **Ugeskr Laeger** 1981 Mar 2;143(10):624 (Eng. Abstr.) **(Dan)**

[Treatment of Antabuse reactions] Pikkarainen P, et al. **Duodecim** 1981;97(21):1804–6 **(Fin)**

[Neuropsychic complications of disulfiram therapy. Apropos of a case] Lemperiere T, et al. **Ann Med Psychol (Paris)** 1982 Jan;140(1):123–9 **(Fre)**

[Disulfiram psychoses] Wenzel R, et al. **Z Arztl Fortbild (Jena)** 1981 Nov 15;75(22):1077–9 **(Ger)**

[On the pathogenesis of affective disorders occurring during treatment with disulfiram (author's transl)] Jakimow–Venulet B, et al. **Psychiatr Pol** 1981 May–Jun; 15(3):251–6 (Eng. Abstr.) **(Pol)**

DIAGNOSTIC USE

[Diagnostic value of antabuse and CBJ–131 test in workers chronically exposed to carbon disulfide] Podobiński M, et al. **Med Pr** 1981;32(5):331–5 (Eng. Abstr.) **(Pol)**

METABOLISM

High-performance liquid chromatographic method for the determination of diethylamine, a metabolite of disulfiram, in urine. Neiderhiser DH, et al. **J Chromatogr** 1982 May 14;229(2):470–4

Excretion of TTCA in human urine after administration of disulfiram. van Doorn R, et al. **Toxicol Lett** 1982 Jun; 12(1):59–64

PHARMACODYNAMICS

The use of pH-gradient ion–exchange chromatography to separate sheep liver cytoplasmic aldehyde dehydrogenase from mitochondrial enzyme contamination, and observations on the interaction between the pure cytoplasmic enzyme and disulfiram. Dickinson FM, et al. **Biochem J** 1981 Dec 1;199(3):573–9

Further studies of the action of disulfiram and 2,2'–dithiodipyridine on the dehydrogenase and esterase activities of sheep liver cytoplasmic aldehyde dehydrogenase. Kitson TM. **Biochem J** 1982 Jun 1; 203(3):743–54

The inactivation of aldehyde dehydrogenase by disulfiram in the presence of glutathione. Kitson TM. **Biochem J** 1981 Oct 1;199(1):255–8

The influence of disulfiram and other inhibitors of oxidative metabolism on the formation of 2–hydroxyethyl–mercapturic acid from 1,2–dibromoethane by the rat. van Bladeren PJ, et al. **Biochem Pharmacol** 1981 Nov 1;30(21):2983–7

The effect of disulfiram on the carcinogenicity of 3,2'dimethyl–4–aminopbiphenyl in Syrian golden hamsters and rats. Fiala ES, et al. **Carcinogenesis** 1981;2(10):965–9

Regulation of polypeptide synthesis in endothelial cells and hybridoma cells by the copper ionophore disulfiram. Hannan GN, et al. **Cell Biol Int Rep** 1982 May;6(5):423–32

On the disulfiram–like activity of moxalactam. Elenbaas RM, et al. **Clin Pharmacol Ther** 1982 Sep;32(3):347–55

Disulfiram–alcohol reaction caused by contact lens wetting solution [letter] Refojo MF. **Contact Intraocular Lens Med J** 1981 Apr–Jun;7(2):172

Effects of disulfiram on the sleep of chronic alcoholics. Snyder S, et al. **Curr Alcohol** 1981;8:159–66

Modulation of synthesis of specific proteins in endothelial cells by copper, cadmium, and disulfiram: an early response to an angiogenic inducer of cell migration. Hannan GN, et al. **J Cell Physiol** 1982 May;111(2):207–12

A comparative review of the pharmacological and toxicological properties of disulfiram and calcium carbimide. Peachey JE, et al. **J Clin Psychopharmacol** 1981 Jan;1(1):21–6 (106 ref.)

Inhibition of aldehyde dehydrogenases in rat brain and liver by disulfiram and coprine. Pettersson H, et al. **J Neurochem** 1982 Sep;39(3):628–34

Effects of prolonged disulfiram treatment on plasma dopamine–beta–hydroxylase activity in rhesus monkeys. Major LF, et al. **J Stud Alcohol** 1982 Jan;43(1):146–52

Effect of disulfiram and its reduced metabolite, diethyl–dithiocarbamate on aldehyde dehydrogenase of human erythrocytes. Inoue K, et al. **Life Sci** 1982 Feb 1; 30(5):419–24

The disulfiram and calcium carbimide acetaldehyde–mediated ethanol reactions. Peachey JE, et al. **Pharmacol Ther** 1981;15(1):89–97 (63 ref.)

Other effects of monoaminergic inhibition with 6–hydroxydopamine and of disulfiram on the response to exercise in rats. Derévenco P, et al. **Physiologie** 1981; 18(3):181–5

Protective effects of butylated hydroxyanisole, ethoxyquin, and disulfiram on acute pyrrolizidine alkaloids poisoning in mice. Kim HL, et al. **Res Commun Chem Pathol Pharmacol** 1982 May; 36(2):341–4

Human aldehyde dehydrogenase: mechanism of inhibition of disulfiram. Vallari RC, et al. **Science** 1982 May 7; 216(4546):637–9

[Effect of disulfiram on the toxicity and carcinogenicity of N–methyl–n–nitrosobenzylamine in rats (author's transl)] Schweinsberg F, et al. **J Cancer Res Clin Oncol** 1981; 102(1):43–7 (Eng. Abstr.) **(Ger)**

THERAPEUTIC USE

Disulfiram acceptors and refusers: do they differ? O'Neil PM, et al. **Addict Behav** 1982;7(2):207–9

Cutaneous reactions to lower aliphatic alcohols before and during disulfiram therapy. Haddock NF, et al. **Arch Dermatol** 1982 Mar;118(3):157–9

Prevention of cyclophosphamide–induced haemorrhagic cystitis by disulfiram [letter] Ershler WB, et al. **Blut** 1982 May;44(5):321

Alcohol and alcoholism [letter] Harden K. **Br Med J [Clin Res]** 1982 Jan 2;284(6308):51

Effect of the pretreatment with disulfiram on the toxicity and antitumor activity of 1–(2–hydroxyethyl)–3–(2–chloroethyl)–3–nitrosourea in Sprague–Dawley rats. Habs H, et al. **Cancer Lett** 1981 Jun;13(1):63–9

Disulfiram treatment of three patients with nickel dermatitis. Christensen JD. **Contact Dermatitis** 1982 Mar;8(2):105–8

Treatment with disulfiram in chronic nickel hand dermatitis. Christensen OB, et al. **Contact Dermatitis** 1982 Jan; 8(1):59–63

Acute effects of disulfiram on anxiety levels of chronic alcoholics. Snyder S, et al. **Int Pharmacopsychiatry** 1981; 16(1):49–56

A review of the clinical use of disulfiram and calcium carbimide in alcoholism treatment. Peachey JE. **J Clin Psychopharmacol** 1981 Nov;1(6):368–75 (78 ref.)

Evaluation and application of a urinary diethylamine method to measure compliance with disulfiram therapy. Fuller RK, et al. **J Stud Alcohol** 1981 Mar;42(3):202–7

Nonmedical treatment of alcoholism with emetic drugs and disulfiram in Brazil. Masur J, et al. **J Stud Alcohol** 1981 Sep;42(9):814–7

Disulfiram doesn't always prevent drinking [news] González ER. **JAMA** 1981 Oct 9;246(15):1640

The prevention of cyclophosphamide–induced cystitis in mice by disulfiram. Hacker MP, et al. **Res Commun Chem Pathol Pharmacol** 1982 Jan; 35(1):145–54

[Sexual dysfunction among young female alcoholics. An interview study of 30 women, aged 25–39 years, receiving Antabuse therapy] Beck I, et al. **Ugeskr Laeger** 1981 Oct 12;143(42):2755–7 (Eng. Abstr.) **(Dan)**

[Interaction between benzodiazepines and blood levels of lithium salts] Raudino F. **Clin Ter** 1981 Sep 30;98(6):683–5 **(Ita)**

TOXICITY

Studies on the mechanism of the synergistic carcinogenic response reported between ethylene and disulfiram and the implications for short term predictive screening tests. Elliott BM, et al. **Dev Toxicol Environ Sci** 1980;8:193–6

The effect of long term treatment with disulfiram on content of cytochrome P-450 and on benzo(a)pyrene monooxygenase activity in microsomes isolated from the rat small intestinal mucosa. Grafström R, et al. **Toxicol Lett** 1980 Nov;7(1):79–85

[Characteristics of pesticide action on the eye] Sivitskaia II. **Gig Tr Prof Zabol** 1982 Apr;(4):32–5 (Eng. Abstr.) **(Rus)**

DISULFOTON see under **INSECTICIDES, ORGANOTHIOPHOSPHATE**

DITAZOL see under **OXAZOLES**

DITERPENES

Relation between the structures of ingenol esters and their ornithine decarboxylase–inducing activities in mouse skin. Fujiki H, et al. **Carcinog Compr Surv** 1982;7:65–7

ANALYSIS

Accumulation of dolichols in brains of elderly. Pullarkat RK, et al. **J Biol Chem** 1982 Jun 10;257(11):5991–3

Raised levels of cerebral cortex dolichols in Alzheimer's disease [letter] Wolfe LS, et al. **Lancet** 1982 Jul 10; 2(8289):99

BIOSYNTHESIS

Evidence for the stimulation of dolichol and mannolipid synthesis by glucocorticoids in HeLa cells. Ramachandran CK, et al. **Biochem J** 1981 Jul 15;198(1):23–8

Biosynthesis of dolichol and cholesterol during embryonic development of the chicken. Wong TK, et al. **Biochim Biophys Acta** 1982 Jan 15;710(1):32–8

The origin of dolichol in the liver of the rat. Determination of the dietary contribution. Keller RK, et al. **J Biol Chem** 1982 Aug 10;257(15):8985–9

BLOOD

Dolichol pathway in lymphocytes from rat spleen. Influence of the glucosylation on the cleavage of dolichyl diphosphate oligosaccharides into phosphooligosaccharides. Hoflack B, et al. **Eur J Biochem** 1981 Jul;117(2):285–90

CHEMICAL SYNTHESIS

Retinoid affinity label for the binding site of retinol–binding protein. Gawinowicz MA, et al. **Biochemistry** 1982 Apr 13;21(8):1899–905

ISOLATION & PURIFICATION

Separation of retinol, retinoic acid, mannose, dolichylmannosylphosphate, mannosylretinylphosphate, dolichylphosphate, and retinylphosphate by high-pressure liquid chromatography. Kurokawa T, et al. **Anal Biochem** 1982 Jan 15;119(2):428–32

Isolation and identification of kahweol palmitate and cafestol palmitate as active constituents of green coffee beans that enhance glutathione S–transferase activity in the mouse. Lam LK, et al. **Cancer Res** 1982 Apr;42(4):1193–8

Localization of dolichol in the lysosomal fraction of rat liver. Wong TK, et al. **J Biol Chem** 1982 Jun 10;257(11):6614–8

On the active principles of the Thymelaeaceae. II. Skin irritant and cocarcinogenic diterpenoid factors from Daphnopsis racemosa. Adolf W, et al. **Planta Med** 1982 Jul;45(3):177–82

[Studies on the chemical constituents of Tripterygium wilfordii Hook. II. The structure of triptonolide, a new diterpenoid lactone (author's transl)] Deng FX, et al. **Yao Hsueh Hsueh Pao** 1981 Feb;16(2):155–7 (Eng. Abstr.) **(Chi)**

[Studies on the chemical constituents of Tripterygium wilfordii Hook. f. III. The isolation and structure of two new diterpenoid–lactones, triptophenolide methyl ether and neotriptophenolide (author's transl)] Deng FX, et al. **Yao Hsueh Hsueh Pao** 1982 Feb;17(2):146–50 (Eng. Abstr.) **(Chi)**

[Studies on the constituents of cinnamomi cortex. VI. On the mass spectrometry of cassia diterpene (lactone type) (author's transl)] Nakano K, et al. **Yakugaku Zasshi** 1981 Nov;101(11):1052–5 (Eng. Abstr.) **(Jpn)**

METABOLISM

Postnatal changes in dolichol–pathway enzyme activities in

cerebral cortex neurons. Idoyaga-Varga. V, et al. **Biochem J** 1982 Jan 15;202(1):87-95

The submicrosomal distribution of dolichol and dolichol phosphokinase activity in rat liver. Rip JW, et al. **Can J Biochem** 1982 Jan;60(1):36-41

Dolichol-dependent synthesis of chitobiosyl proteins and their further mannosylation. A second route for glycosylation of proteins in rat-spleen lymphocytes? Hoflack B, et al. **Eur J Biochem** 1982 Jun;124(3):527-31

On the interaction between jatrophone and DNA. d'Alagni M, et al. **FEBS Lett** 1981 Dec 21;136(1):175-9

In vitro binding affinity of novel synthetic polyprenoids (polyprenoic acids) to cellular retinoid-binding proteins. Muto Y, et al. **Gan** 1981 Dec;72(6):974-7

Dolichol metabolism in rat liver. Determination of the subcellular distribution of dolichyl phosphate and its site and rate of de novo biosynthesis. Adair WL Jr, et al. **J Biol Chem** 1982 Aug 10;257(15):8990-6

Induction of phosphorylation of dolichol during embryonic development of the sea urchin. Rossignol DP, et al. **J Biol Chem** 1981 Oct 25;256(20):10538-42

The subcellular localization of enzymes of dolichol metabolism in rat liver. Rupar CA, et al. **J Biol Chem** 1982 Mar 25;257(6):3090-4

Partial purification and characterization of a binding protein for biologically active phorbol and ingenol esters from murine sera. Shoyab M, et al. **J Biol Chem** 1982 Jan 10; 257(1):439-45

The site of biosynthesis and intracellular deposition of dolichol in rat liver. Wong TK, et al. **J Biol Chem** 1982 Jun 10;257(11):6619-24

Stereochemical relationships between two new curare-like toxins and a model of the acetylcholine receptor at the neuromuscular junction. Symthies JR. **Med Hypotheses** 1981 Dec;7(12):1457-60

PHARMACODYNAMICS

Induction of alkaline phosphatase and the glycoprotein hormone alpha subunit in HeLa cells by inhibitors of DNA polymerase. Cox GS, et al. **Arch Biochem Biophys** 1982 Jun;216(1):234-46

The positive inotropic-acting forskolin, a potent adenylate cyclase activator. Metzger H, et al. **Arzneimittelforsch** 1981; 31(8):1248-50

Effects of aphidicolin on retrovirus DNA synthesis in vivo. Hagino-Yamagishi K, et al. **Biochem Biophys Res Commun** 1981 Oct 30;102(4):1372-8

Aphidicolin promotes repair of potentially lethal damage in irradiated mammalian cells synchronized in S-phase. Iliakis G, et al. **Biochem Biophys Res Commun** 1982 Feb 26; 104(4):1209-14

Effect of acyclic polyisoprenoids on the biosynthesis of mannose-labeled glycolipids in rat liver microsomes. Murakami M, et al. **Biochem Biophys Res Commun** 1981 Nov 30;103(2):706-12

Aphidicolin sensitivity of variant 3T6 cells selected for changes in ribonucleotide reductase. Nicander B, et al. **Biochem Biophys Res Commun** 1981 Nov 16;103(1):148-55

Structure-activity study of cytotoxicity and microtubule assembly in vitro by taxol and related taxanes. Parness J, et al. **Biochem Biophys Res Commun** 1982 Apr 14; 105(3):1082-9

Aphidicolin does not inhibit DNA repair synthesis in ultraviolet-irradiated HeLa cells. A radioautographic study. Hardt N, et al. **Biochem J** 1981 Nov 1;199(2):453-5

Forskolin as an activator of cyclic AMP accumulation and secretion in blowfly salivary glands. Litosch I, et al. **Biochem J** 1982 Apr 15;204(1):147-51

Differential responses of log and stationary phase human fibroblasts to inhibition of DNA repair by aphidicolin. Snyder RD, et al. **Biochim Biophys Acta** 1982 May 31; 697(2):229-34

Stimulation of sodium and of chloride transport in epithelia by forskolin. Cuthbert AW, et al. **Br J Pharmacol** 1982 May;76(1):33-5

DNA strand breaks caused by inhibitors of DNA synthesis: 1-beta-D-arabinofuranosylcytosine and aphidicolin. Fram RJ, et al. **Cancer Res** 1982 Oct;42(10):4050-3

Inhibition of DNA replication and growth of several human and murine neoplastic cells by aphidicolin without detectable effect upon synthesis of immunoglobulins and HLA antigens. Pedrali-Noy G, et al. **Cancer Res** 1982 Sep; 42(9):3810-3

New, most active 1 alpha-alkyldaphnane-type irritants and tumor promoters from species of the Thymelaeaceae. Adolf W, et al. **Carcinog Compr Surv** 1982;7:49-55

Virus induction by tumor promoters. zur Hausen H, et al. **Carcinog Compr Surv** 1982;7:617-23 (31 ref.)

Phorbol related esters have similar structure-activity relations in Swiss 3T3 cells and chicken embryo fibroblasts. Dunphy WG, et al. **Carcinogenesis** 1980 Apr;1(4):347-51

Aphidicolin: an inhibitor of DNA repair in human fibroblasts. Waters R. **Carcinogenesis** 1981;2(8):795-7

Induction of erythroleukemia cell adhesion by plant diterpene tumour promoters: a quantitative study and correlation with in vivo activities. Yamasaki H, et al. **Carcinogenesis** 1981;2(6):537-43

Laser flow cytofluorometric analysis of HTC cells synchronized with hydroxyurea, nocodazole and aphidicolin. Miller-Faurès A, et al. **Cell Tissue Kinet** 1981 Sep;14(5):501-14

Antitumor activity of acylated oridonin. Fujita E, et al. **Chem Pharm Bull (Tokyo)** 1981 Nov;29(11):3208-13

Antitumor activity of Rabdosia and Teucrium diterpenoids against P 388 lymphocytic leukemia in mice. Nagao Y, et al. **Chem Pharm Bull (Tokyo)** 1982 Feb;30(2):727-9

Studies on differentiation without cleavage in Chaetopterus: effects of inhibition of DNA synthesis with aphidicolin. Brachet J, et al. **Differentiation** 1981;19(1):47-54

Forskolin stimulation of thyroid adenylate cyclase and cyclic 3',5'-adenosine monophosphate accumulation. Fradkin JE, et al. **Endocrinology** 1982 Sep;111(3):849-56

Arrest of chain growth of replicon-sized intermediates by aphidicolin during rat fibroblast cell chromosome replication. Yagura T, et al. **Eur J Biochem** 1982 Mar; 123(1):15-21

Regulation of mitosis onset and thymidine kinase synthesis during the cell cycle of Physarum polycephalum: action of aphidicolin. Eon-Gerhardt R, et al. **Eur J Cell Biol** 1981 Aug;25(1):82-9

Mechanism of grayanotoxin III-induced afterpotentials in feline cardiac Purkinje fibers. Brown BS, et al. **Eur J Pharmacol** 1981 Nov 5;75(4):271-81

Effects of geranylgeranylacetone on gastrointestinal secretion in rats. Fujimoto M, et al. **Eur J Pharmacol** 1982 Jan 22; 77(2-3):113-8

Tumor-promoting diterpene esters prevent macrophage activation and suppress macrophage tumoricidal capacity. Keller R, et al. **Exp Cell Biol** 1982;50(3):121-34

The effects of aphidicolin, an inhibitor of DNA replication, on sea urchin development. Brachet J, et al. **Exp Cell Res** 1981 Sep;135(1):179-89

DNA repair synthesis in plant protoplasts is aphidicolin-resistant. Sala F, et al. **FEBS Lett** 1982 Feb 22;138(2):213-7

The effect of aphidicolin on the rate of DNA replication and unscheduled DNA synthesis of Bloom syndrome and normal fibroblasts. Giannelli F, et al. **Hum Genet** 1982; 60(4):357-9

Regulation of adenylate cyclase of human platelet membranes by forskolin. Insel PA, et al. **J Biol Chem** 1982 Jul 10; 257(13):7485-90

Activation of adenylate cyclase by the diterpene forskolin does not require the guanine nucleotide regulatory protein. Seamon K, et al. **J Biol Chem** 1981 Oct 10;256(19):9799-801

Induction of differentiation in human promyelocytic leukemia cells by tumor promoters. Nakayasu M, et al. **J Cancer Res Clin Oncol** 1982;103(1):17-29

Forskolin: a unique diterpene activator of cyclic AMP-generating systems. Seamon KB, et al. **J Cyclic Nucleotide Res** 1981;7(4):201-24 (32 ref.)

Antitumor agents. 49 tricin, kaempferol-3-O-beta-D-glucopyranoside and (+)-nortrachelogenin, antileukemic principles from Wikstroemia indica. Lee KH, et al. **J Nat Prod** 1981 Sep-Oct;44(5):530-5

Activation of cyclic AMP-generating systems in brain membranes and slices by the diterpene forskolin: augmentation of receptor-mediated responses. Daly JW, et al. **J Neurochem** 1982 Feb;38(2):532-44

Excitation by lyoniol-A of vagal afferent nerves and the reflex autonomic and somatic actions in rats. Ono H, et al. **J Pharmacobiodyn** 1981 Dec;4(12):940-6

Modulation of sodium channels of squid nerve membranes by grayanotoxin I. Seyama I, et al. **J Pharmacol Exp Ther** 1981 Dec;219(3):614-24

Studies with aphidicolin on the Fv-1 host restriction of Friend murine leukemia virus. Chinsky J, et al. **J Virol** 1982 Jul;43(1):182-90

Resistance of adenoviral DNA replication to aphidicolin is dependent on the 72-kilodalton DNA-binding protein. Foster DA, et al. **J Virol** 1982 Aug;43(2):679-86

Forskolin potentiates adrenocorticotropin-induced cyclic AMP production and steroidogenesis in isolated rat adrenal cells. Moriwaki K, et al. **Life Sci** 1982 Jun 21; 30(25):2235-40

Inhibition of aggregation and stimulation of cyclic AMP generation in intact human platelets by the diterpene forskolin. Siegl AM, et al. **Mol Pharmacol** 1982 May; 21(3):680-7

Effect of post-treatment with aphidicolin - a specific inhibitor of DNA polymerase alpha - on sister-chromatid exchanges induced by ethyl methanesulfonate. Nishi Y, et al. **Mutat Res** 1982 Feb;103(2):155-9

The distribution of induced sister-chromatid exchanges: a tool for identifying agents directly interacting with DNA. Rainaldi R, et al. **Mutat Res** 1982 Mar;103(3-6):333-7

Effects of aphidicolin on repair replication and induced chromosomal aberrations in mammalian cells. van Zeeland AA, et al. **Mutat Res** 1982 Feb 22;92(1-2):379-92

The inhibition of DNA repair by aphidicolin or cytosine arabinoside in X-irradiated normal and xeroderma pigmentosum fibroblasts. Waters R, et al. **Mutat Res** 1982 May;94(1):229-34

Lipid-soluble toxins thought to be specific for Na+ channels block Ca2+ channels in neuronal cells. Romey G, et al. **Nature** 1982 May 6;297(5861):79-8

Aphidicolin inhibits DNA synthesis by DNA polymerase alpha and isolated nuclei by a similar mechanism. Krokan H, et al. **Nucleic Acids Res** 1981 Sep 25;9(18):4709-19

Characterization of the effect of aphidicolin on adenovirus DNA replication: evidence in support of a protein primer model of initiation. Pincus S, et al. **Nucleic Acids Res** 1981 Oct 10;9(19):4919-38

Isolation and characterization of a UV-sensitive hypermutable aphidicolin-resistant Chinese hamster cell line. Chang CC, et al. **Somatic Cell Genet** 1981 Mar; 7(2):235-53

Selection of aphidicolin-resistant CHO cells with altered levels of ribonucleotide reductase. Sabourin CL, et al. **Somatic Cell Genet** 1981 Mar;7(2):255-68

[Antineoplastic action of triptolide and its effect on the immunologic functions in mice (author's transl)] Zhang TM, et al. **Chung Kuo Yao Li Hsueh Pao** 1981 Jun; 2(2):128-31 (Eng. Abstr.) **(Chl)**

[Effect of prostaglandin E2, cimetidine and geranyl-geranyl-acetone on rat gastric mucosal damage (author's transl)] Terano A, et al. **Nippon Shokakibyo Gakkai Zasshi** 1981 Aug;78(8):1577-84 (Eng. Abstr.) **(Jpn)**

THERAPEUTIC USE

Rapid antihypertensive effect of rhomotoxin in 105 hypertension cases. Mao HY, et al. **Chin Med J [Engl]** 1981 Nov;94(11):733-6

Effects of the antiulcer drug geranylgeranylacetone on aspirin-induced gastric ulcers in rats. Murakami M, et al. **Jpn J Pharmacol** 1982 Apr;32(2):299-306

Anti-arthritic and anti-inflammatory actions of nimbidin. Pillai NR, et al. **Planta Med** 1981 Sep;43(1):59-63

TOXICITY

Tumor promoting and skin irritant diterpene esters of Euphorbia virgata latex. Upadhyay R, et al. **Neoplasma** 1981;28(5):555-8

Quantitative structure-toxicity relationships applied to grayanotoxins Mager PP, et al. **Pharmazie** 1981 Oct; 36(10):717

Lophotoxin: a neuromuscular acting toxin from the sea whip (Lophogorgia rigida). Culver P, et al. **Toxicon** 1981; 19(6):825-30

[Some toxicities of triptolide in mice and dogs (author's transl)] Cheng YL, et al. **Chung Kuo Yao Li Hsueh Pao** 1981 Mar;2(1):70-2 **(Chl)**

URINE

Presence of abnormal amounts of dolichols in the urinary sediment of Batten disease patients. Kin NM, et al. **Pediatr Res** 1982 Jul;16(7):530-2

DITHIADENE see under **BENZOTHIEPINS**

DITHIOERYTHRITOL see under **DITHIOTHREITOL**

DITHIONITE see under **SULFITES**

DITHIONITROBENZOIC ACID see under **NITROBENZOATES**

DITHIOTHREITOL

Enthalpy and heat capacity changes for the reduction of insulin. Fukada H, et al. **Biochemistry** 1982 Mar 30; 21(7):1570-4

The kinetics of the reaction of 'anomalous' 4-nitroimidazole radiosensitizers with thiols. Wardman P. **Int J Radiat Biol** 1982 Feb;41(2):231-5

ANALYSIS

[Determination of reductant and alkylating agent in the alkylated human immunoglobulin by high performance liquid chromatography (author's transl)] Morita H, et al. **Yakugaku Zasshi** 1982 Jan;102(2):215-20 (Eng. Abstr.) **(Jpn)**

DIAGNOSTIC USE

A new reagent (ZZAP) having multiple applications in immunohematology. Branch DR, et al. **Am J Clin Pathol** 1982 Aug;78(2):161-7

PHARMACODYNAMICS

Vascular smooth muscle relaxation by nitro compounds: reduced relaxation and cGMP elevation in tolerant vessels and reversal of tolerance by dithiothreitol. Axelsson KL, et al. **Acta Pharmacol Toxicol (Copenh)** 1982 May; 50(5):350-7

Electron microscopic studies of rat sperm heads treated with urea, dithiothreitol, and micrococcal nuclease. Sobhon P, et al. **Anat Rec** 1981 Oct;201(2):225-35

Differential inhibition of rat liver DNA polymerases in vitro by direct-acting carcinogens and the protective effect of a thiol reducing agent. Chan JY, et al. **Biochem J** 1981 Mar 1;193(3):985-90

Insulin-like effects of dithiothreitol on isolated rat adipocytes. Goko H, et al. **Biochem J** 1981 Nov 15;200(2):425-8

Inactivation of angiotensin II receptors in bovine adrenal cortex by dithiothreitol: further evidence for the essential nature of disulfide bonds. Chang RS, et al. **Biochem Pharmacol** 1982 May 15;31(10):1903-6

1,4-dithiothreitol non-specifically potentiates spasmogen actions on the guinea-pig ileum. Watson SP, et al. **Biochem Pharmacol** 1982 May 15;31(10):1946-8

Effects of dithiothreitol on insulin-sensitive phosphodiesterase in rat fat cells. Makino H, et al.

Biochim Biophys Acta 1982 May 21;704(1):31–6
Inhibition of glucose transport by benzoquinone and the addition product of benzoquinone and dithiothreitol. Schraw WP, et al. **Biochim Biophys Acta** 1981 Dec 21; 649(3):735–42
Phagocytosis–induced chemotaxis receptor cycling in neutrophils is mediated by thiol oxidation. Lane TA, et al. **Blood** 1982 Jun;59(6):1337–43
Differential effects of dithiothreitol and iodoacetamide on corticotropin–releasing factor (CRF) activity of bovine hypothalamic CRFs and vasopressin. Yasuda N, et al. **Endocrinology** 1982 Jun;110(6):2074–80
Protective effects of vitamin E and dithiothreitol against the hemolysis of rat and goat erythrocytes induced by Tween 20 with or without ascorbic acid and azide. Hamada T, et al. **Experientia** 1982 Apr 15;38(4):462–7
Dissociation of CNPase dimer into catalytically active monomers by 1,4–dithiothreitol and urea. Protein–promoted reassembly. Müller HW. **FEBS Lett** 1982 Jul 19;144(1):77–80
Selective extraction of biologically active F–glycoprotein from dithiothreitol reduced Sendai virus particles. Tomasi M, et al. **FEBS Lett** 1981 Aug 31;131(2):381–5
Effects of oxygen and sulphydryl–containing compounds on irradiated transforming DNA. Part I. Actions of dithiothreitol. Held KD, et al. **Int J Radiat Biol** 1981 Dec; 40(6):613–22
Inactivation of glucocorticoid–binding capacity by protein phosphatases in the presence of molybdate and complete reactivation of dithiothreitol. Housley PR, et al. **J Biol Chem** 1982 Aug 10;257(15):8615–8
The effect of sulfhydryl active agents on insulin binding to the erythrocyte insulin receptor. McElduff A, et al. **J Recept Res** 1981;2(1):87–95
The role of the conjugated carbonyl of cytochalasin A in contractility inhibitions. Tanenbaum SW, et al. **Life Sci** 1982 May 31;30(22):1927–31
Cystinotic and normal fibroblasts: differential protection in cystine–free medium by dithiothreitol. Lancaster GA, et al. **Pediatr Res** 1982 Jan;16(1):86–8
[Lens fiber damage induced by diamide and its recovery by dithiothreitol (author's transl)] Teshima R, et al. **Nippon Ganka Gakkai Zasshi** 1982;86(5):525–30 (Eng. Abstr.) **(Jpn)**

DITHIZONE see under **AZO COMPOUNDS**

DIURESIS

see related
OSMOLAR CONCENTRATION

The mechanism of ascitic fluid protein concentration increase during diuresis in patients with chronic liver disease. Hoefs JC. **Am J Gastroenterol** 1981 Nov;76(5):423–31
Renal function in conscious rats with chronic unilateral renal denervation. Rogenes PR, et al. **Am J Physiol** 1982 Feb; 242(2):F140–8
Role of vasopressin in abnormal water excretion in cirrhotic patients. Bichet D, et al. **Ann Intern Med** 1982 Apr; 96(4):413–7
Marked reduction in intramembranous particle clusters in the terminal portion of inner medullary collecting ducts of antidiuretic rats. Lacy ER. **Cell Tissue Res** 1982; 221(3):583–95
Hemodialysis, peritoneal dialysis, plasmapheresis and forced diuresis for the treatment of quinine overdose. Sabto JK, et al. **Clin Nephrol** 1981 Nov;16(5):264–8
Effect of acute unilateral renal denervation on intrarenal haemodynamics and urinary excretion in rats before and during hypervolaemia. Veress AT, et al. **Clin Sci** 1982 May; 62(5):457–64
Increase in ascites white blood cell and protein concentrations during diuresis in patients with chronic liver disease. Hoefs JC. **Hepatology** 1981 May–Jun;1(3):249–54
Effect of medullary tonicity on urinary sodium excretion in the rat. Reineck HJ, et al. **J Clin Invest** 1982 Apr; 69(4):971–8
Hgcl2–induced acute renal failure in the rat. Effect of water diuresis, saline loading, and diuretic drugs. de Rougemont D, et al. **J Lab Clin Med** 1982 May;99(5):646–56
Osmotic and osmotic–loop diuresis in brain surgery. Effects on plasma and CSF electrolytes and ion excretion. Schettini A, et al. **J Neurosurg** 1982 May;56(5):679–84
Changes in pulmonary function during the diuretic phase of respiratory distress syndrome. Heaf DP, et al. **J Pediatr** 1982 Jul;101(1):103–7
Different hemodynamic response after acute diuresis in the normotensive and hypertensive state. Charocopos F, et al. **J Pharmacol Exp Ther** 1982 May;221(2):315–8
Intrapelvic pressure and urinary flow rate in obstructed and nonobstructed human kidneys. Bratt CG, et al. **J Urol** 1982 Jun;127(6):1136–42
Morphometry and fluid reabsorption during peristaltic flow in hamster renal papillary collecting ducts. Schmidt–Nielsen B, et al. **Kidney Int** 1981 Dec;20(6):789–98
Role of renal prostaglandins during antidiuresis and water diuresis in man. Walker RM, et al. **Kidney Int** 1982 Feb; 21(2):365–70
Digoxin transport in the distal nephron of rats during saline diuresis. Kauker ML. **Proc Soc Exp Biol Med** 1981 Oct; 168(1):5–9
High urine flow rate increase prostaglandin E excretion in the conscious dog. Wright LF, et al. **Prostaglandins** 1981 Jul;22(1):21–34
The diuretic and natriuretic responses to stimulation of left atrial receptors in dogs with different blood volumes. Gupta BN, et al. **Q J Exp Physiol** 1982 Apr;67(2):235–58
Diuresis from stimulation of left atrial receptors: initial purification steps from plasma of the causative agent. Knapp MF, et al. **Q J Exp Physiol** 1981 Oct;66(4):439–45
Humoral nature of the urine response to simulation of atrial receptors. Linden RJ, et al. **Q J Exp Physiol** 1981 Oct; 66(4):431–8
Fluid and electrolyte excretion in sheep: comparison of the effect of reduced food and water intake with oestrus. Michell AR. **Q J Exp Physiol** 1981 Oct;66(4):515–24
[Immediate renal function after kidney transplantation (author's transl)] Luciani J, et al. **Nephrologie** 1981; 2(3):120–4 (Eng. Abstr.) **(Fre)**
[Effect of mineral water from Spring No. 4 of Morshin health resort on water metabolism and diuretic function of the kidneys in laboratory animals] Esipenko BE, et al. **Fiziol Zh** 1982 May;28(3):348–52 (Eng. Abstr.) **(Rus)**
[Effect of stimulation of the amygdaloid body on water–excretory function of the kidneys] Beller NN, et al. **Fiziol Zh SSSR** 1982 Apr;68(4):503–7 **(Rus)**

DRUG EFFECTS

The influence of vasopressin on oxytocin–induced changes in urine flow in the male rat. Forsling ML, et al. **Acta Endocrinol (Copenh)** 1982 Jun;100(2):216–20
Action of cortisol introduced into the supraoptic nucleus, on vasopressin release and antidiuresis during hypertonic saline infusion in conscious rhesus monkeys. Streeten DH, et al. **Acta Endocrinol (Copenh)** 1981 Oct;98(2):195–204
Investigation of the role of kidney kallikrein on bumetanide induced diuresis in rats. Olsen UB. **Acta Pharmacol Toxicol (Copenh)** 1981 Nov;49(5):321–6
Effects of the tocolytic agent fenoterol on body weight, urine excretion, blood hematocrit, hemoglobin, serum protein, and electrolyte levels in nonpregnant rabbits. Grospietsch G, et al. **Am J Obstet Gynecol** 1982 Jul 15;143(6):667–72
Indomethacin impairs water diuresis in the DI rat: role of prostaglandins independent of ADH. Stoff JS, et al. **Am J Physiol** 1981 Sep;241(3):F231–7
Antagonists of vasopressor and antidiuretic responses to arginine vasopressin. Manning M, et al. **Ann Intern Med** 1982 Apr;96(4):520–2
Effect of morphine on diuresis in normal and diabetes insipidus dogs. Montastruc JL, et al. **Arch Farmacol Toxicol** 1980 Dec;6(3):287–90
Evidence for the involvement of central alpha 2 mechanisms in intrathoracic volume expansion—induced diuresis: a study with clonidine and propranolol. Montastruc P, et al. **Aviat Space Environ Med** 1982 Apr;53(4):347–53
The influence of high and low sodium intakes on post–operative antidiuresis. Tindall SF, et al. **Br J Surg** 1981 Sep;68(9):639–44
Non–steroidal anti–inflammatory drugs and frusemide–induced diuresis [letter] Calin A. **Br Med J [Clin Res]** 1981 Nov 21;283(6303):1399–40
Diuretic and cardiovascular effects of furosemide in rats. Leenen FH. **Can J Physiol Pharmacol** 1981 Sep; 59(9):1002–7
Urea handling by the distal tubule and collecting duct of the rat during urea—saline, isotonic saline, or urea diuresis. Sonnenberg H, et al. **Can J Physiol Pharmacol** 1982 Feb; 60(2):128–33
Antidiuretic effect of acute morphine administration in the conscious rat. Wilson N, et al. **Can J Physiol Pharmacol** 1982 Feb;60(2):201–4
The effect of indomethacin on vasopressin–induced antidiuresis in man. Padfield PL, et al. **Clin Sci** 1981 Oct; 61(4):493–5
In normal young men acute dopaminergic blockade does not impair free water excretion following a standard water load. Cohen M, et al. **Commun Psychopharmacol** 1980; 4(4):323–6
Blockade by clonidine of negative pressure breathing–induced diuresis in the dog. Montastruc P, et al. **Eur J Pharmacol** 1981 Jul 10;72(4):373–6
Study of the possible interactions of indoprofen on the diuretic effect of furosemide. Passeri M, et al. **Eur J Rheumatol Inflamm** 1981;4(1):36–40
Antagonism of frusemide diuresis by diphenylhydantoin sodium. Tongia SK. **Indian J Med Res** 1981 Oct;74:572–4
Effect of centrally administered angiotensin on urine output in dogs. Singh KN, et al. **Indian J Physiol Pharmacol** 1982 Jan–Mar;26(1):69–72
Co–trimoxazole induced diuresis. Tobin MJ, et al. **Ir J Med Sci** 1982 Mar;151(3):81–2
Effects of vasopressin administration on diuresis of water immersion in normal humans. Epstein M, et al. **J Appl Physiol** 1981 Dec;51(6):1384–7
Bumetanide–induced diuresis and natriuresis: effect of prostaglandin synthetase inhibition. Kaufman J, et al. **J Clin Pharmacol** 1981 Nov–Dec;21(11–12 Pt 2):663–7
Design of more potent and selective antagonists of the antidiuretic responses to arginine–vasopressin devoid of antidiuretic agonism. Manning M, et al. **J Med Chem** 1982 Apr;25(4):414–9
Morphine antidiuresis in the rat: biphasic effect of the opiate on the excretion of urine–electrolytes. Huidobro F, et al. **J Pharm Pharmacol** 1981 Dec;33(12):815–6
Clonidine inhibits diuresis caused by negative pressure breathing and left atrial distension: role of central adrenergic alpha 2 receptors. Montastruc P, et al. **J Pharmacol** 1982 Apr–Jun;13(2):317–27
Dopamine treatment of human cadaver kidney graft recipients: a prospectively randomized trial. Grundmann R, et al. **Klin Wochenschr** 1982 Feb 15;60(4):193–7
Cross tolerance to etorphine in rats tolerant to morphine–induced antidiuresis. Fuhrman–Lane C, et al. **Life Sci** 1982 Jun 28;30(26):2317–23
Naloxone effects on blood pressure, analgesia and diuresis in spontaneous hypertensive and normotensive rats. Delbarre B, et al. **Neurosci Lett** 1982 May 28;30(2):167–72
Open comparison of diuretic effects of piretanide and bumetanide in patients with stable renal transplants. Bailey RR. **NZ Med J** 1982 Jan 27;95(700):44–5
Increased urination following p–chloroamphetamine. Stein JM, et al. **Pharmacol Biochem Behav** 1981 Aug; 15(2):297–301
A comparison of antrafenine and aspirin on platelet aggregation and frusemide–induced diuresis. Hassan SM, et al. **Postgrad Med J** 1982 Jan;58(675):17–9
The effect of prostaglandin synthetase inhibitors on renal function: studies in normal rats during sodium or water diuresis and in rats with chronic renal insufficiency. Licht A, et al. **Prostaglandins** 1981 Jul;22(1):1–10
Effects of glipizide on water and electrolyte handling in water–loaded humans. Preuss HG, et al. **Renal Physiol** 1981;4(4):173–9
[Antidiuretic effect of ginsenosides of the stems and leaves of Panax ginseng (author's transl)] Wang BX, et al. **Chung Kuo Yao Li Hsueh Pao** 1980 Dec;1(2):126–30 (Eng. Abstr.) **(Chi)**
[Effects of clonidine on diuresis and water intake in normal and Brattleboro rats. (author's transl)] Auriac A, et al. **J Pharmacol** 1981 Jul–Sep;12(3):277–88 (Eng. Abstr.) **(Fre)**
[Effect of propranolol on diuretic activity of furosemide hypertensive patients (author's transl)] Imbs JL, et al. **Nephrologie** 1981;2(4):184–8 (Eng. Abstr.) **(Fre)**
[Furosemide and metolazone: a highly effective diuretic combination] Furrer J, et al. **Schweiz Med Wochenschr** 1980 Nov 29;110(48):1825–9 (Eng. Abstr.) **(Ger)**
[Effect of furosemide on kidney function in premature infants] Tulassay T, et al. **Orv Hetil** 1981 Oct 18;122(42):2593–6 **(Hun)**
[Pharmacological studies on azosemide [5–(4'–chloro–5'–sulfamoyl–2'–thenylamino)–phenyltetrazo a new diuretic (1) Effects on diuresis, plasma renin activity and urinary prostaglandin E excretion in normal rats (author's transl)] Suzuki Y, et al. **Nippon Yakurigaku Zasshi** 1982 Apr;79(4):317–25 (Eng. Abstr.) **(Jpn)**
[Comparison of subcellular changes in the adrenocortical glomerular zone induced by heparin and its diuretic effect] Samollova ZT, et al. **Probl Endokrinol (Mosk)** 1981 Sep–Oct;27(5):69–75 (Eng. Abstr.) **(Rus)**
[Determination and interpretation of the diuretic equivalence of azosemid and furosemide] Gerová Z, et al. **Vnitr Lek** 1982 Mar;28(3):266–73 (Eng. Abstr.) **(Slo)**
[Pharmacological aspects of tienilic acid] Badimón JJ, et al. **Arch Farmacol Toxicol** 1981 Apr;7(1):1–6 **(Spa)**

DIURETICS

Choleretic and diuretic properties of dihydroxydibutyl ether in the rat. Corbic M, et al. **J Pharmacol Exp Ther** 1982 Jun;221(3):769–74
Studies on the nature and mechanism of the diuretic activity of the opioid analgesic ethylketocyclazocine. Slizgi GR, et al. **J Pharmacol Exp Ther** 1982 Mar;220(3):585–91
[Abuse of diuretics as a disease – a psychophysiological syndrome] Nielsen I. **Nord Med** 1982 Apr;97(4):114–5 **(Dan)**
[New contributions to the study of Allium cepa L.] Carretero ME, et al. **Arch Farmacol Toxicol** 1981 Apr;7(1):193–6 **(Spa)**

ADMINISTRATION & DOSAGE

Diuretic dose schedules: is twice daily more effective? [letter] Elliott HL, et al. **Br J Clin Pharmacol** 1981 Aug;12(2):250–1
The potassium debate [letter] Bailey RR, et al. **NZ Med J** 1982 May 26;95(708):359–60
Ototoxicity resulting from the combined administration of potent diuretics and other agents. Brummett RE. **Scand Audiol [Suppl]** 1981;14 Suppl:215–24
[Viskaldix in the treatment of arterial hypertension] Radeva N, et al. **Vutr Boles** 1982;21(2):117–21 (Eng. Abstr.) **(Bul)**
[Graduated plan for the treatment of hypertension] Zilcher H, et al. **Med Klin** 1981 Sep 25;76(20):568–9 **(Ger)**
[Preliminary results of the action of long–term oral treatment with the di–isobutyric ester of N–methyldopamine (SB 7505) in 10 patients with severe cardiocirculatory decompensation] Dei Cas L, et al. **Boll Soc Ital Cardiol** 1980;25(6):593–600 (Eng. Abstr.) **(Ita)**
[Strategies to improve compliance with the therapeutic regimen in hypertensive patients] Burgos Calderón R, et al. **Cardiology** 1980;66 Suppl 2:94–102 **(Spa)**

ADVERSE EFFECTS

Forensic aspects of cardiac medications. Coe JI. **Am J Forensic Med Pathol** 1981 Dec;2(4):329–32

Cardiovascular reflexes during long-term converting enzyme inhibition and sodium depletion. The response to tilt in hypertensive patients. Cody RJ Jr, et al. **Am J Med** 1981 Sep;71(3):422–6

Surreptitious diuretic ingestion and pseudo-Bartter's syndrome. Jamison RL, et al. **Am J Med** 1982 Jul; 73(1):142–7

Biochemical cardiac risk factors during diuretic therapy. Hubbell FA, et al. **Arch Int Pharmacodyn Ther** 1982 Mar; 256(1):123–33

Use and abuse of diuretics [letter] Knuppel RA, et al. **Arch Intern Med** 1982 Jul;142(7):1405

Hyperosmolar non-ketotic diabetic syndrome precipitated by treatment with diuretics. Fonseca V, et al. **Br Med J [Clin Res]** 1982 Jan 2;284(6308):36–7

Nephrogenic diabetes insipidus associated with Dyazide (triamterene-hydrochlorothiazide). Macleod MD, et al. **Br Med J [Clin Res]** 1981 Oct 31;283(6300):1155–6

Variations of plasma potassium concentrations during long-term treatment of hypertension with diuretics without potassium supplements. Sandor FF, et al. **Br Med J [Clin Res]** 1982 Mar 6;284(6317):711–5

What are the metabolic complications of diuretic treatment? Madias NE, et al. **Geriatrics** 1982 Feb;37(2):93–104

Female preponderance in diuretic-associated hypokalemia: a retrospective study in seven long-term care facilities. Clark BG, et al. **J Am Geriatr Soc** 1982 May;30(5):316–21

Electrocardiographic and serum magnesium levels during diuretic therapy. Govil MK, et al. **J Assoc Physicians India** 1981 Oct;29(10):807–11

Attenuation of diuretic-induced hypokalemia by amiloride, a potassium-sparing agent. Ram CV, et al. **J Clin Pharmacol** 1981 Nov-Dec;21(11–12 Pt 1):484–7

Diuretic induced hypokalemia in the elderly. Navarro RP, et al. **J Fam Pract** 1982 Apr;14(4):685–9

Symptomatic hypokalemia resulting from surreptitious diuretic ingestion. Rodman JS, et al. **JAMA** 1981 Oct 9; 246(15):1687–9

Combined potassium–diuretic preparations [letter] Simpson FO. **NZ Med J** 1982 Jan 27;95(700):54

Impairment of glucose tolerance produced by diuretics and other drugs. Furman BL. **Pharmacol Ther** 1981; 12(3):613–49 (292 ref.)

Diuretics and zinc. Reyes AJ, et al. **S Afr Med J** 1982 Sep 4;62(11):373–5

Ototoxic side effects of diuretics. Proceedings of the symposium on ototoxic side effects of diuretics. Reinhartshausen, Germany April 9–11, 1981. **Scand Audiol [Suppl]** 1981;14 Suppl:1–232

Effect of loop-diuretics on hair cells of the cochlea in guinea pigs. Histological and histochemical study. Akiyoshi M. **Scand Audiol [Suppl]** 1981;14 Suppl:185–99

Temporal bone histopathology in human ototoxicity due to loop diuretics. Arnold W, et al. **Scand Audiol [Suppl]** 1981; 14 Suppl:201–13

Ototoxicity resulting from the combined administration of potent diuretics and other agents. Brummett RE. **Scand Audiol [Suppl]** 1981;14 Suppl:215–24

Ultrastructure of the stria vascularis, vestibular dark cells and endolymphatic sac following acute diuretic ototoxicity. Lim DJ, et al. **Scand Audiol [Suppl]** 1981;14 Suppl:139–55

Effects of ototoxic diuretics on cochlear Na+/K+-ATPase and adenylate cyclase. Marks SC, et al. **Scand Audiol [Suppl]** 1981;14 Suppl:131–8

Inner ear effects of a new loop diuretic (ozolinon). Morgenstern C, et al. **Scand Audiol [Suppl]** 1981;14 Suppl:111–8

The effects of diuretics on Reissner's membrane. Ross MD. **Scand Audiol [Suppl]** 1981;14 Suppl:157–71

Effects of loop diuretics, mercurials, and other diuretic substances upon the physiological chemistry of the cochlea. Thalmann R. **Scand Audiol [Suppl]** 1981;14 Suppl:119–29

Acute urate nephropathy induced by Ticrynafen and exacerbated by urographic contrast medium. Karasick S, et al. **Urol Radiol** 1981;3(1):51–3

[Severe hyponatremia with only minimal hypovolemia] Meinders AE. **Ned Tijdschr Geneeskd** 1982 Apr 3; 126(14):601–4 **(Dut)**

[Diuretics and uric acid (author's transl)] Ben Maiz H, et al. **Sem Hop Paris** 1981 Dec 18–25;57(47–48):1987–91 (Eng. Abstr.) **(Fre)**

[Renal insufficiency and hydroelectrolytic disorders of diuretic treatments (author's transl)] Baguet JC, et al. **Therapie** 1981 May-Jun;36(3):359–64 (Eng. Abstr.) **(Fre)**

[Diuretics, serum glucose and diabetes mellitus] Berchtold P, et al. **Dtsch Med Wochenschr** 1981 Dec 11; 106(50):1712–4 **(Ger)**

[Drug interactions of cardiovascular agents. Part 2: Antihypertensives, diuretics] Estler CJ. **Fortschr Med** 1981 Sep 24;99(36):1440–6 **(Ger)**

[Effect of diuretics on the gastrointestinal tract] Wizemann V, et al. **Med Welt** 1981 Oct 23;32(43):1608–10 **(Ger)**

[Ototoxicity due to loop diuretics (author's transl)] Arnold W. **MMW** 1982 Mar 19;124(11):271–4 (Eng. Abstr.) **(Ger)**

[Diuretics. II.] Fossati C. **Clin Ter** 1981 Nov 30;99(4):413–41 (391 ref.) (Eng. Abstr.) **(Ita)**

BLOOD

Further investigations on the binding of loop diuretics to serum proteins from patients with liver disease. Goto S, et al. **J Pharmacobiodyn** 1981 Nov;4(11):865–73

[Pharmacokinetics of diuretics and antihypertensives in renal insufficiency] Kindler J, et al. **Internist (Berlin)** 1981 Oct; 22(10):607–15 **(Ger)**

CHEMICAL SYNTHESIS

(Acylaryloxy)acetic acid diuretics. 3. 2,3-Dihydro-5-acyl-2-benzofurancarboxylic acids, a new class of uricosuric diuretics. Hoffman WF, et al. **J Med Chem** 1981 Jul;24(7):865–73

[(3-aryl-1,2-benzisoxazol-6-yl)oxy]acetic acids. A new diuretic series. Shutske GM, et al. **J Med Chem** 1982 Jan; 25(1):36–44

2-(Aminomethyl)phenols, a new class of saluretic agents. 3. Effects of functional group reorientation and modification. Stokker GE, et al. **J Med Chem** 1981 Sep;24(9):1063–7

(Acylaryloxy)acetic acid diuretics. 4. Indeno[5,4-b]furan-2-carboxylic acids. Woltersdorf OW Jr, et al. **J Med Chem** 1981 Jul;24(7):874–8

METABOLISM

Cardiac atrial factor—an endogenous diuretic? Sonnenberg H, et al. **Can J Physiol Pharmacol** 1981 Dec;59(12):1278–9

Stereoselectivity in the disposition and metabolism of the uricosuric-diuretic agent, indacrinone, in Rhesus monkeys. Zacchei AG, et al. **Drug Metab Dispos** 1982 Jan-Feb; 10(1):20–7

[Drug treatment in the elderly: special aspects of diuretics (author's transl)] Mühlberg W, et al. **Aktuel Gerontol** 1982 Jul;12(4):134–8 (Eng. Abstr.) **(Ger)**

PHARMACODYNAMICS

The influence of quinidine and other agents on digitalis glycosides. Bussey HI. **Am Heart J** 1982 Aug;104(2 Pt 1):289–302 (100 ref.)

Effects of different diuretics on tetracycline-induced hyperuraemia and hypercreatininaemia in the rat. Touvay C, et al. **Arch Int Pharmacodyn Ther** 1982 Jun;257(2):307–18

The pharmacology of ototoxic drugs. Harpur ES. **Br J Audiol** 1982 May;16(2):81–93

Effect of chronic diuretic treatment on the plasma renin-angiotensin-aldosterone system in essential hypertension. Lijnen P, et al. **Br J Clin Pharmacol** 1981 Sep;12(3):387–92

Assessment of natriuretic drugs. Roberts CJ, et al. **Br J Clin Pharmacol** 1981 Oct;12(4):465–74

Effects of diuretics alone or in combination with beta-adrenoceptor blockers on serum lipoproteins. Weidmann P, et al. **Br J Clin Pharmacol** 1982;13(Suppl 2):449S

The human erythrocyte Cl-dependent Na-K cotransport system as a possible model for studying the action of loop diuretics. Ellory JC, et al. **Br J Pharmacol** 1982 Jan; 75(1):183–8

Enantiomers of indacrinone: a new approach to producing an isouricemic diuretic. Blaine EH, et al. **Clin Exp Hypertens [A]** 1982;4(1–2):161–76

Changes in ventricular septal thickness during diuretic therapy. Drayer JI, et al. **Clin Pharmacol Ther** 1982 Sep; 32(3):283–8

Body fluid, electrolytes and diuretics. McCarthy ST. **Curr Med Res Opin** 1982;7(Suppl 1):87–95

The responses of the Malpighian tubules of Locusta to hormones and other stimulants. Rafaeli A, et al. **Gen Comp Endocrinol** 1982 Jan;46(1):130–5

Modern diuretics and the kidney. Lant AF. **J Clin Pathol** 1981 Nov;34(11):1267–75

Sites and mechanisms of action of diuretics in the kidney. Puschett JB. **J Clin Pharmacol** 1981 Nov-Dec;21(11–12 Pt 2):564–74

The effect of loop diuretics on the excretion of Na+, Ca2+, Mg2+, and Cl-. White MG, et al. **J Clin Pharmacol** 1981 Nov-Dec;21(11–12 Pt 2):610–4

Hgcl2-induced acute renal failure in the rat. Effect of water diuresis, saline loading, and diuretic drugs. de Rougemont D, et al. **J Lab Clin Med** 1982 May;99(5):646–56

Syntheses and diuretic activity of 1,2-dihydro-2-(3-pyridyl)-3H-pyrido[2,3-d]pyrimidin-4- and related compounds. Parish HA Jr, et al. **J Med Chem** 1982 Jan;25(1):98–102

Influence of the dietary potassium intake on the natriuretic effect of hydrochlorothiazide in rats. Olesen OV. **J Pharmacol Exp Ther** 1982 Jan;220(1):178–82

Effects of MK-196 and furosemide on rat medullary thick ascending limbs of Henle in vitro. Stoner LC, et al. **J Pharmacol Exp Ther** 1982 Jun;221(3):715–20

Effect of various diuretics on lipid peroxidation in rat renal cortical mitochondria and in the supernatant. Fujita T, et al. **Jpn J Pharmacol** 1981 Oct;31(5):795–800

The use and abuse of diuretics. Lumb PD. **Mt Sinai J Med (NY)** 1981 Jul-Aug;48(4):381–4

Radical scavenging and stimulation of prostaglandin synthesis not anti-inflammatory? Payne TG, et al. **Nature** 1982 Mar 11;296(5853):160–2

Stereospecific inhibition by ozolinone of stimulated chloride secretion in rabbit colon descendens. Heintze K, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1982 Mar; 318(4):363–7

Renal tubular secretion and effects of the alkaline diuretics amiloride, tizolemide (Hoe 740) and 2-aminomethyl-4(1,1-dimethylethyl)-6-iodophenol hydrochloride (MK-447). Odlind B. **Naunyn Schmiedebergs Arch Pharmacol** 1981;317(4):357–63

Diuretics, magnesium, potassium and sodium. Leary WP, et al. **S Afr Med J** 1982 Feb 20;61(8):279–80

Mathematical evaluation of the effects of tizolemide, furosemide and placebo in healthy adults. Leary WP, et al. **S Afr Med J** 1982 Mar 13;61(11):398–401

Antagonism between non-steroidal anti-inflammatory drugs and diuretics. Rawles JM. **Scott Med J** 1982 Jan;27(1):37–40

[Studies on the diuretic action of clonidine (author's transl)] Pei YQ, et al. **Yao Hsueh Hsueh Pao** 1981 Nov; 16(11):806–10 (Eng. Abstr.) **(Chi)**

[The hypocalciuric effect of hydrochlorothiazide, chlorthalidone, indapamide and tienilic acid (author's transl)] Bloch R, et al. **Therapie** 1981 Sep-Oct;36(5):567–74 (Eng. Abstr.) **(Fre)**

[Hyperuricemia during treatment with diuretics] Kheder A, et al. **Tunis Med** 1981 Sep-Oct;59(5):351–3 (Eng. Abstr.) **(Fre)**

[Effect of diuretics on the distribution and renal excretion of lithium in rats of different ages] Kersten L, et al. **Acta Biol Med Ger** 1981;40(6):837–48 (Eng. Abstr.) **(Ger)**

[Non-invasive evaluation of left ventricular function with systolic time intervals, in 8 normal subjects after oral treatment with di-isobutyric ester of N-methyldopamine] Dei Cas L, et al. **Boll Soc Ital Cardiol** 1980;25(6):585–92 (Eng. Abstr.) **(Ita)**

[Molecular level action mechanism of diuretics] Orita Y, et al. **Nippon Rinsho** 1982;40(3):674–82 **(Jpn)**

[Effect of saluretics on bioelectric processes in the vascular wall] Erikov VM. **Farmakol Toksikol** 1981 Sep-Oct; 44(5):597–602 **(Rus)**

[Effect of diuretics on electrolyte and non-electrolyte penetration of intercellular spaces] Lebedev AA, et al. **Farmakol Toksikol** 1981 May-Jun;44(3):309–14 (Eng. Abstr.) **(Rus)**

[Current problems in pharmacology of the kidneys] Lebedev AA. **Vestn Akad Med Nauk SSSR** 1982;(5):77–81 (20 ref.) (Eng. Abstr.) **(Rus)**

[Pharmacologic bases of cardiovascular therapy with diuretics] Reyes AJ. **Arch Inst Cardiol Mex** 1981 May-Jun; 51(3):291–303 (Eng. Abstr.) **(Spa)**

[Tubular blocking of sodium reabsorption in chronic renal insufficiency using diuretics (author's transl)] Lillo M. **Rev Med Chil** 1981 Dec;109(12):1153–6 (Eng. Abstr.) **(Spa)**

THERAPEUTIC USE

Postural hypotension during tilt with chronic captopril and diuretic therapy of severe congestive heart failure. Cody RJ, et al. **Am Heart J** 1982 Apr;103(4 Pt 1):480–4

Pedal edema in the cancer patient. Maxwell MB. **Am J Nurs** 1982 Aug;82(8):1225–8

The use and abuse of diuretics. Francisco LL, et al. **Arch Intern Med** 1982 Jan;142(1):28–32 (31 ref.)

Effectiveness of ibopamine in the management of ascitic liver cirrhosis—a controlled study v placebo and frusemide. Melloni GF, et al. **Br J Clin Pharmacol** 1981 Dec; 12(6):813–8

Interaction between diuretics and indomethacin [letter] Allan SG, et al. **Br Med J [Clin Res]** 1981 Dec 12;283(6306):1611

Addition of acebutolol to diuretics in hypertension. Gorkin JU, et al. **Clin Pharmacol Ther** 1981 Dec;30(6):739–44

Hemodynamic effects of diuretics in patients with marked peripheral edema and mild hypertension. Niarchos AP, et al. **Clin Pharmacol Ther** 1982 Mar;31(3):370–6

Diuretics in infancy. Lewy JE. **Contrib Nephrol** 1981; 27:33–44 (33 ref.)

Do all diuretics have equal hypotensive efficacy? Jaffe G, et al. **Curr Med Res Opin** 1982;8(2):75–81

Resistance to diuretics: emphasis on a pharmacological perspective. Brater DC. **Drugs** 1981 Dec;22(6):477–94 (132 ref.)

Diuretics of beta-blockers first for hypertension? Whitworth JA, et al. **Drugs** 1982 May;23(5):394–402 (32 ref.)

Ibopamine in geriatric patients with cardiac and chronic renal failure: a clinical study. Nicaise J, et al. **Farmaco [Prat]** 1982 Feb;37(2):65–70

The role of diet in the treatment of high blood pressure. Wilber JA. **J Am Diet Assoc** 1982 Jan;80(1):25–9

Noninvasive evaluation of the effects of oral ibopamine (SB 7505) on cardiac and renal function in patients with congestive heart failure. Dei Cas L, et al. **J Cardiovasc Pharmacol** 1982 May-Jun;4(3):436–40

Renin classification for diuretic and beta-blocker treatment of black hypertensive patients. Holland OB, et al. **J Chronic Dis** 1982;35(3):179–82

Differential effects of diuresis and beta-adrenoreceptor blockade during angiotensin-converting enzyme inhibition in patients with severe hypertension. Drayer JI, et al. **J Clin Pharmacol** 1982 Apr;22(4):179–86

Diuretic therapy. Dodelson R, et al. **J Med Soc NJ** 1981 Oct;78(11):748–50

Treatment of mercuric chloride poisoning with dimercaptosuccinic acid and diuretics: preliminary studies. Aaseth J, et al. **J Toxicol Clin Toxicol** 1982 Apr; 19(2):173–86

Responses of catecholamines and blood pressure to beta-blockade in diuretic-treated patients with essential hypertension. Meier A, et al. **Klin Wochenschr** 1982 Jan 4;60(1):27-32

Potassium supplemented diuretics [letter] McKenzie NS. **NZ Med J** 1981 Nov 25;94(696):394

Diuretics in the management of hypertension. Ram CV. **Postgrad Med** 1982 Feb;71(2):155-9, 162-8

Diuretic therapy. Hamdy RC. **Practitioner** 1981 Oct; 225(1360):1453-8

Increased extravasation and lymphatic return rate of albumin during diuretic treatment of ascites in patients with liver cirrhosis. Henriksen JH, et al. **Scand J Clin Lab Invest** 1981 Oct;41(6):589-99

The use of diuretics in infants with the respiratory distress syndrome. Green TP. **Semin Perinatol** 1982 Apr; 6(2):172-80 (96 ref.)

Are diuretics useful in the treatment or prevention of acute renal failure? Fink M. **South Med J** 1982 Mar;75(3):329-34 (112 ref.)

[Diuretics and calcium] Baglin A, et al. **Nephrologie** 1981; 2(4):189-96 (71 ref.) **(Fre)**

[Beta adrenergic receptor blockers or diuretics for longtime therapy of arterial hypertension?] Stumpe KO, et al. **Dtsch Med Wochenschr** 1982 Mar 12;107(10):363-5 **(Ger)**

[Nephrological aspects of diuretic therapy] Rawer P, et al. **Med Welt** 1982 Jan 29;33(4):117-20 **(Ger)**

[Metabolic effects of diuretics (author's transl)] Kewitz H, et al. **MMW** 1981 Nov 20;123(47):1799-802 (Eng. Abstr.) **(Ger)**

[The treatment of ambulant hypertensive patients with a combination of a saluretic and a beta-receptor blocker (author's transl)] Schlesinger P, et al. **MMW** 1981 Oct 16; 123(42):1589-92 **(Ger)**

[Long-term therapy of hypertension in a general practice: 1950--1980 (author's transl)] Greminger P, et al. **Praxis** 1982 Jan 12;71(2):58-63 (Eng. Abstr.) **(Ger)**

[Current concept of antihypertensive therapy (author's transl)] Vetter W. **Praxis** 1982 Jan 12;71(2):53-7 **(Ger)**

[Cardiac insufficiency in the elderly with particular reference to kidney function] Rieger J, et al. **Z Gerontol** 1981 Sep-Oct;14(5):403-9 (24 ref.) (Eng. Abstr.) **(Ger)**

[Diuretic therapy] Brod J. **ZFA (Stuttgart)** 1982 Apr 30; 58(12):670-6 **(Ger)**

[Hypertension treatment under general practice conditions. Experiences with Lasix long 30] Stiel D. **ZFA (Stuttgart)** 1981 Nov 20;57(32):2265-71 **(Ger)**

[Treatment of arterial hypertension in patients with cerebrovascular insufficiency] Strazzullo P, et al. **Acta Neurol [Quad] (Napoli)** 1980;41:82-5 **(Ita)**

[Diuretics. II.] Fossati C. **Clin Ter** 1981 Nov 30;99(4):413-41 (391 ref.) (Eng. Abstr.) **(Ita)**

[Diuretics. I.] Fossati C. **Clin Ter** 1981 Nov 15;99(3):313-36 (0 ref.) **(Ita)**

[Hypotensive effect of saluretics] Gobbi A, et al. **Clin Ter** 1982 Feb 28;100(4):375-81 **(Ita)**

[Current clinical aspects and therapy of cardiac/decompensation in the aged] Marci M, et al. **Clin Ter** 1982 Apr 15;101(1):75-86 (58 ref.) **(Ita)**

[Role of renin profile and age in the choice of the therapeutic approach of arterial hypertension (author's transl)] Glorioso N, et al. **G Ital Cardiol** 1981;11(12):2117-25 (Eng. Abstr.) **(Ita)**

[Glucagon and hyperdiuresis in the treatment of ureteral calculi] Muraro GB, et al. **Minerva Urol** 1982 Apr-Jun; 34(2):111-5 (Eng. Abstr.) **(Ita)**

[Clinical evaluation of hygroton K (author's transl)] Rylski M, et al. **Przegl Lek** 1981;38(10):735-6 (Eng. Abstr.) **(Pol)**

[Hemodynamic mechanism of the hypotensive action of diuretics and their effect on myocardial hypertrophy in the process of long-term treatment of hypertension] D'iakonova EG, et al. **Biull Vsesoluznogo Kardiol Nauchn Tsentra AMN SSSR** 1982;5(1):57-61 (Eng. Abstr.) **(Rus)**

[Continuous long-term treatment with diuretics of hypertension and the status of the renin-angiotensin-aldosterone system] Nekrasova AA, et al. **Biull Vsesoluznogo Kardiol Nauchn Tsentra AMN SSSR** 1982;5(1):62-8 (Eng. Abstr.) **(Rus)**

[Effect of diuretic agents on central and intracardiac hemodynamics in hypertension] D'iakonova EG, et al. **Kardiologiia** 1982 Mar;22(3):50-3 (Eng. Abstr.) **(Rus)**

TOXICITY

Potassium loss as a causative factor for skeletal malformations in rats produced by indacrinone: a new investigational loop diuretic. Robertson RT, et al. **Toxicol Appl Pharmacol** 1981 Aug;60(1):142-50

DIURETICS, MERCURIAL

ADVERSE EFFECTS

Effects of loop diuretics, mercurials, and other diuretic substances upon the physiological chemistry of the cochlea. **Thalmann R. Scand Audiol [Suppl]** 1981;14 Suppl:119-29

METABOLISM

Purification of a phosphate carrier in pig heart mitochondria by affinity chromatography on mersalyl-ultrogel. Tourailles S, et al. **FEBS Lett** 1981 Jun 1;128(1):142-4

Reaction of mersalyl with mitochondrial proteins under native and denaturing conditions as exemplified by the identification and isolation of the phosphate carrier. Kolbe HV, et al. **Hoppe Seylers Z Physiol Chem** 1981 Dec; 362(12):1583-90

PHARMACODYNAMICS

Effect of mersalyl at cholinoceptive sites. Bansinath M, et al. **Indian J Physiol Pharmacol** 1981 Jul-Sep;25(3):265-8

[Inhibition of chloride permeability and sodium transport in frog skin by mercusal and ethacrynic acid] Lavrova EA, et al. **Biofizika** 1981 Jul-Aug;26(4):651-6 (Eng. Abstr.) **(Rus)**

[Role of SH-groups in the pharmacology of the action of novurite and ethacrynic acid] Kantariia VA, et al. **Ukr Biokhim Zh** 1982;54(1):51-4 (Eng. Abstr.) **(Rus)**

DIURETICS, OSMOTIC

[Osmotic diuretic effects of Deplema] Di Paolo N, et al. **Boll Chim Farm** 1981 Mar;120(3):136-46 (Eng. Abstr.) **(Ita)**

DIURETICS, SULFAMYL

Diuretic agents related to indapamide. 1. Synthesis and activity of 1-substituted 2-(4-chloro-3-sulfamoylbenzamido)isoindolines. Cignarella G, et al. **J Med Chem** 1981 Aug;24(8):1003-6

The pharmacology and clinical pharmacology of indapamide. Campbell DB, et al. **Postgrad Med J** 1981;57 Suppl 2:7-17 (62 ref.)

[The diuretic profiles of Lasix and Ladix Retard. A comparative clinical study] Bendtsen F, et al. **Ugeskr Laeger** 1982 Jan 25;144(4):237-40 (Eng. Abstr.) **(Dan)**

[4-chloro-5-sulfamylbenzoic acid derivatives. VII. Synthesis and diuretic properties of various 2,4-diamino- and 2-amino-4-chloro-5-sulfamylbenzamide derivatives] Brzozowski Z, et al. **Acta Pol Pharm** 1981;38(1):11-7 (Eng. Abstr.) **(Pol)**

[Diamino-1,3,5-triazine derivatives. III. Synthesis and diuretic properties of various 2,4-diamino-6-(sulfamylphenyl)-1,3,5-triazines] Brzozowski Z, et al. **Acta Pol Pharm** 1981;38(1):1-9 (Eng. Abstr.) **(Pol)**

ADMINISTRATION & DOSAGE

[Determination and interpretation of the diuretic equivalence of azosemid and furosemide] Gerová Z, et al. **Vnitr Lek** 1982 Mar;28(3):266-73 (Eng. Abstr.) **(Slo)**

[The use of Bumetanide in neurosurgery and ophtalmological surgery with open eyeball (author's transl)] Muñoz de la Guardia JL, et al. **Rev Esp Anestesiol Reanim** 1982 Jan; 29(1):19-22 (Eng. Abstr.) **(Spa)**

ADVERSE EFFECTS

Hyperosmolar non-ketotic diabetic syndrome precipitated by treatment with diuretics [letter] **Br Med J [Clin Res]** 1982 Feb 27;284(6316):665-6

Hypokalaemia and xipamide [letter] **Br Med J [Clin Res]** 1982 Mar 27;284(6320):975

Ventricular fibrillation induced by xipamide. Altmann P, et al. **Br Med J [Clin Res]** 1982 Feb 13;284(6314):494

Ventricular fibrillation induced by xipamide [letter] Rowlands DB, et al. **Br Med J [Clin Res]** 1982 May 8; 284(6326):1407

Comparison of adverse reactions to bumetanide and furosemide. Tuzel IH. **J Clin Pharmacol** 1981 Nov-Dec; 21(11-12 Pt 2):615-9

Hypokalaemic periodic paralysis precipitated by diuretic therapy and minor surgery. Boulton AJ, et al. **Postgrad Med J** 1982 Feb;58(676):106-7

Continuous electrocardiographic recording (Holter method) during indapamide treatment: a study of 40 cases. Haiat R, et al. **Postgrad Med J** 1981;57 Suppl 2:68-9

Ventricular arrhythmias precipitated by treatment with non-thiazide diuretics. Boulton AJ, et al. **Practitioner** 1982 Jan;226(1363):125-8

Comparisons of the acute effects of I.V. furosemide and bumetanide on the cochlear action potential (N1) and on the A.C. cochlear potential (CM) at 6 KHz in cats, dogs and guinea pigs. Brown RD. **Scand Audiol [Suppl]** 1981; 14 Suppl:71-83

The effects of frusemide, bumetanide and piretanide on the quinea pig cochlea and auditory nerve. Comis SD, et al. **Scand Audiol [Suppl]** 1981;14 Suppl:85-94

ANALYSIS

High-performance liquid chromatographic assay for bumetanide in plasma and urine. Smith DE. **J Pharm Sci** 1982 May;71(5):520-3

BLOOD

Protein binding of piretanide in normal and uraemic serum. Elliott HL, et al. **Eur J Clin Pharmacol** 1982;21(4):311-3

Determination of the diuretic agent metolazone in plasma by high-performance liquid chromatography. Brodie RR, et al. **J Chromatogr** 1981 Dec 11;226(2):526-32

High-performance liquid chromatographic analysis of indapamide (RHC 2555) in urine, plasma and blood. Choi RL, et al. **J Chromatogr** 1982 Jun 11;230(1):181-7

Determination of bumetanide in the plasma of non-human primates by high-performance liquid chromatography. Walmsley LM, et al. **J Chromatogr** 1981 Dec 11; 226(2):441-9

CHEMICAL SYNTHESIS

Bumetanide--the way to its chemical structure. Feit PW. **J Clin Pharmacol** 1981 Nov-Dec;21(11-12 Pt 2):531-6

DIAGNOSTIC USE

[The bumetanide test and its audiometric use in endolymphatic hydrops] Martínez Pelegrín FT, et al. **An Otorrinolaringol Ibero Am** 1982;9(1):41-51 (Eng. Abstr.) **(Spa)**

METABOLISM

Pharmacokinetics and bioavailability of indapamide--a new antihypertensive drug. Grebow PE, et al. **Eur J Clin Pharmacol** 1982;22(4):295-9

Metabolism of bumetanide. Schwartz MA. **J Clin Pharmacol** 1981 Nov-Dec;21(11-12 Pt 2):555-63

Pharmacokinetics of indapamide in dogs. Grebow PE, et al. **J Pharm Sci** 1981 Dec;70(12):1310-2

Binding of several loop diuretics to serum albumin and human serum from patients with renal failure and liver disease. Goto S, et al. **J Pharmacobiodyn** 1980 Dec;3(12):667-76

PHARMACODYNAMICS

Investigation of the role of kidney kallikrein on bumetanide induced diuresis in rats. Olsen UB. **Acta Pharmacol Toxicol (Copenh)** 1981 Nov;49(5):321-6

Effects of inhibitors of Na+-coupled ion transport on bile acid uptake by isolated rat hepatocytes. Blitzer BL, et al. **Am J Physiol** 1982 Jul;243(1):G48-53

Effects of ouabain and osmolarity on bumetanide-sensitive potassium transport in simian virus-transformed 3T3 cells. Bakker-Grunwald T, et al. **Biochim Biophys Acta** 1982 May 7;687(2):333-6

Evidence against Na+-pump mediation of Ca2+-activated K+ transport and diuretic-sensitive (Na+/K+)-cotransport. Karlish SJ, et al. **Biochim Biophys Acta** 1981 Aug 20;646(2):353-5

A study of the antihypertensive action of xipamide using ambulatory intra-arterial monitoring. Raftery EB, et al. **Br J Clin Pharmacol** 1981 Sep;12(3):381-5

The effect of frusemide and piretanide on the renal clearance of gentamicin in man. Whiting PH, et al. **Br J Clin Pharmacol** 1981 Dec;12(6):795-9

The effect of furosemide and bumetanide on cerebrospinal fluid formation. Vogh BP, et al. **Brain Res** 1981 Sep 21; 221(1):171-83

Piretanide and urinary excretion of ions in rat. Effect of indomethacin. Nguyen-Simonnet H, et al. **Clin Exp Pharmacol Physiol** 1981 Jul;8(4):315-25

Potassium balance in piretanide and digoxin treatment. Muller FO, et al. **Clin Pharmacol Ther** 1982 Mar;31(3):339-42

Human plasma vasopressin response to potent loop-diuretic drugs. Baylis PH, et al. **Eur J Clin Pharmacol** 1981; 20(5):343-6

Compared effects of indapamide, hydrochlorothiazide and chlorthalidone on electrical and mechanical activities in vascular smooth muscle. Mironneau J, et al. **Eur J Pharmacol** 1981 Oct 22;75(2-3):109-13

The acute affect of piretanide upon serum and urinary calcium in normal subjects. Casco C, et al. **Henry Ford Hosp Med J** 1980;28(2-3):127-31

Comparison of hemodynamic effects of furosemide and piretanide in normovolemic patients. Valette H, et al. **J Cardiovasc Pharmacol** 1980;2(2):103-11

Perspectives on bumetanide. Proceedings of a symposium. Houston, Texas, March 13-14, 1980. **J Clin Pharmacol** 1981 Nov-Dec;21(11-12 Pt 2):529-712

Electrolyte excretion patterns. Intravenous and oral doses of bumetanide compared to furosemide. Brater DC, et al. **J Clin Pharmacol** 1981 Nov-Dec;21(11-12 Pt 2):599-603

Interaction studies with bumetanide and furosemide. Effects of probenecid and of indomethacin on response to bumetanide in man. Brater DC, et al. **J Clin Pharmacol** 1981 Nov-Dec;21(11-12 Pt 2):647-53

Pharmacology of bumetanide. Cohen M. **J Clin Pharmacol** 1981 Nov-Dec;21(11-12 Pt 2):537-42

Renal electrolyte excretion pattern in response to bumetanide in healthy volunteers. Hutcheon DE, et al. **J Clin Pharmacol** 1981 Nov-Dec;21(11-12 Pt 2):604-9

Bumetanide-induced diuresis and natriuresis: effect of prostaglandin synthetase inhibition. Kaufman J, et al. **J Clin Pharmacol** 1981 Nov-Dec;21(11-12 Pt 2):663-7

The effect of bumetanide on the serum disappearance of warfarin sodium. Nipper H, et al. **J Clin Pharmacol** 1981 Nov-Dec;21(11-12 Pt 2):654-6

Renal effects of bumetanide. Puschett JB. **J Clin Pharmacol** 1981 Nov-Dec;21(11-12 Pt 2):575-80

Effects of loop diuretics on carbohydrate metabolism and electrolyte excretion. Robinson DS, et al. **J Clin Pharmacol** 1981 Nov-Dec;21(11-12 Pt 2):637-46

Effect of probenecid on the natriuresis and renin release

induced by bumetanide in man. Velasquez MT, et al. **J Clin Pharmacol** 1981 Nov-Dec;21(11-12 Pt 2):657-62

The effect of intravenous bumetanide in man with normal and low renal function. White MG. **J Clin Pharmacol** 1981 Nov-Dec;21(11-12 Pt 2):581-6

Diuretic agents related to indapamide. 1. Synthesis and activity of 1-substituted 2-(4-chloro-3-sulfamoylbenzamido)isoindolines. Cignarella G, et al. **J Med Chem** 1981 Aug;24(8):1003-6

On the pharmacological actions of a diuretic, fenquizone, with particular reference to its site of action. Ferrando C, et al. **J Pharm Pharmacol** 1981 Apr;33(4):219-22

A further examination of the possible effects of indapamide on glucose tolerance and insulin secretion in the rat and mouse. Furman BL, et al. **J Pharm Pharmacol** 1981 Nov; 33(11):735-7

Gaba induced excitatory responses in the guinea-pig small intestine are antagonized by bicuculline, picrotoxinin and chloride ion blockers. Krantis A, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1981 Nov; 317(3):257-61

Open comparison of diuretic effects of piretanide and bumetanide in patients with stable renal transplants. Bailey RR. **NZ Med J** 1982 Jan 27;95(700):44-5

The effect of indapamide on muscle blood flow in hypertensive patients. Burgess CD, et al. **Postgrad Med J** 1981;57 Suppl 2:23-5

Influence of high ceiling diuretics on ion fluxes and cell volume of ehrlich ascites tumour cells. Geck P, et al. **Scand Audiol [Suppl]** 1981;14 Suppl:25-37

[Indapamide: its action in animals and man (author's transl)] Campbell DB. **Praxis** 1982 Feb 16;71(7):275-81 (Eng. Abstr.) **(Ger)**

[Studies of antihypertensional mechanism of indapamide (author's transl)] Weidmann P, et al. **Praxis** 1982 Feb 16; 71(7):282-8 (Eng. Abstr.) **(Ger)**

[Pharmacological studies on azosemide [5-(4'-chloro-5'-sulfamoyl-2'-thenylamino)-phenyltetrazo a new diuretic (1) Effects on diuresis, plasma renin activity and urinary prostaglandin E excretion in normal rats (author's transl)] Suzuki Y, et al. **Nippon Yakurigaku Zasshi** 1982 Apr;79(4):317-25 (Eng. Abstr.) **(Jpn)**

THERAPEUTIC USE

Correction of altered noradrenaline reactivity in essential hypertension by indapamide. Grimm M, et al. **Br Heart J** 1981 Oct;46(4):404-9

Indapamide and bendroflUazide: a comparison in the management of essential hypertension. Bing RF, et al. **Br J Clin Pharmacol** 1981 Dec;12(6):883-6

Xipamide and cyclopenthiazide in essential hypertension--comparative effects on blood pressure and plasma potassium. MacGregor GA, et al. **Br J Clin Pharmacol** 1982 Jun;13(6):859-63

Synergistic action of metolazone and frusemide [letter] Brown E, et al. **Br Med J [Clin Res]** 1981 Dec 12; 283(6306):1611

Treatment of nephrotic edema with bumetanide. Lemieux G, et al. **Can Med Assoc J** 1981 Nov 15;125(10):1111-2

Effects of once daily indapamide and pindolol on blood pressure, plasma aldosterone concentration and plasma renin activity in a general practice setting. Chalmers JP, et al. **Eur J Clin Pharmacol** 1982;22(3):191-6

Metolazone and pindolol in the treatment of hypertension: a double blind multicentre trial. Hickey N, et al. **Ir Med J** 1982 Jun;75(6):194-6

Intramuscular bumetanide and furosemide in congestive heart failure. Abrams J. **J Clin Pharmacol** 1981 Nov-Dec; 21(11-12 Pt 2):673-9

Comparative efficacy and safety of bumetanide and furosemide in long-term treatment of edema due to congestive heart failure. Dixon DW, et al. **J Clin Pharmacol** 1981 Nov-Dec;21(11-12 Pt 2):680-7

Bumetanide: a new diuretic. Results of clinical efficacy and safety in patients with congestive heart failure. Handler B, et al. **J Clin Pharmacol** 1981 Nov-Dec;21(11-12 Pt 2):691-6

A comparison of bumetanide and furosemide in the treatment of ascites. Cooperative study. Herlong HF, et al. **J Clin Pharmacol** 1981 Nov-Dec;21(11-12 Pt 2):701-5

Clinical use of diuretics in congestive heart failure. Hutcheon D, et al. **J Clin Pharmacol** 1981 Nov-Dec;21(11-12 Pt 2):668-72

Bumetanide in refractory ascites of cirrhosis of the liver: a comparison with furosemide. Iber FL, et al. **J Clin Pharmacol** 1981 Nov-Dec;21(11-12 Pt 2):697-700

The effects of a single, intravenous dose of bumetanide versus furosemide in patients with ascites and edema due to alcoholic liver disease. Koff RS. **J Clin Pharmacol** 1981 Nov-Dec;21(11-12 Pt 2):706-11

Clinical trial of bumetanide versus furosemide in patients with congestive heart failure. Konecke LL. **J Clin Pharmacol** 1981 Nov-Dec;21(11-12 Pt 2):688-90

Long-term bumetanide treatment of patients with edema due to renal disease. Cooperative studies. Stone WJ, et al. **J Clin Pharmacol** 1981 Nov-Dec;21(11-12 Pt 2):587-980

Long-term bumetanide treatment of renal edema. Comparison with furosemide. Whelton A. **J Clin Pharmacol** 1981 Nov-Dec;21(11-12 Pt 2):591-8

Comparison of indapamide with thiazide diuretics in patients with essential hypertension. Chalmers JP, et al. **Med J Aust** 1981 Jul 25;2(2):100-1

Indapamide in hypertension: a study in general practice of new or previously poorly controlled patients. Wheeley MS, et al. **Pharmatherapeutica** 1982;3(2):143-52

Indapamide. **Postgrad Med J** 1981;57 Suppl 2:1-73

Evaluation of the effect of indapamide on moderate benign essential hypertension complicated by airways obstruction. Bhalla KK. **Postgrad Med J** 1981;57 Suppl 2:34-6

A multicentre open trial indapamide in general practice. Bowker CH, et al. **Postgrad Med J** 1981;57 Suppl 2:53-6

The use of indapamide in resistant hypertensive therapy. Dean S. **Postgrad Med J** 1981;57 Suppl 2:26-8

Non-invasive cardiovascular assessment of indapamide in patients with essential hypertension. Dunn FG, et al. **Postgrad Med J** 1981;57 Suppl 2:19-22

Echocardiographic evaluation of left ventricular function in patients showing an antihypertensive and biochemical response to indapamide. Horgan JH, et al. **Postgrad Med J** 1981;57 Suppl 2:64-7

Comparison of the antihypertensive effects of indapamide and cyclopenthiazide. James I, et al. **Postgrad Med J** 1981; 57 Suppl 2:39-41

A study comparing indapamide with cyclopenthiazide in geriatric patients. Khan AU. **Postgrad Med J** 1981;57 Suppl 2:42-3

Comparison of the antihypertensive effects of indapamide and metoprolol. Kubik MM, et al. **Postgrad Med J** 1981; 57 Suppl 2:44-50

Indapamide in ambulant treatment of hypertension: a comparative study with alpha-methyldopa. Meine H. **Postgrad Med J** 1981;57 Suppl 2:37-8

The antihypertensive action of indapamide: results of a French multicentre study of 2,184 ambulant patients. Mimran A, et al. **Postgrad Med J** 1981;57 Suppl 2:60-3

International multicentre study of indapamide in the treatment of essential arterial hypertension. Passeron J, et al. **Postgrad Med J** 1981;57 Suppl 2:57-9

Blood sugar regulation during treatment with indapamide in hypertensive diabetics. Roux P, et al. **Postgrad Med J** 1981;57 Suppl 2:70-2

Indapamide in the treatment of essential arterial hypertension in the elderly. Van Hee W, et al. **Postgrad Med J** 1981; 57 Suppl 2:29-33

A comparative study of the efficacy of indapamide and bendrofluazide given in combination with atenolol. Zacharias FJ. **Postgrad Med J** 1981;57 Suppl 2:51-2

Piretanide in the treatment of hypertension. Effects on arterial blood pressure and several blood variables. Leary WP, et al. **S Afr Med J** 1981 Dec 12;60(24):925-8

[International multicentre-study on indapamide in the treatment f essential arterial hypertension (author's transl)] Passeron J. **Praxis** 1982 Feb 16;71(7):293-6 (Eng. Abstr.) **(Fre)**

[Bumetanide in renal insufficiency] Humair L. **Schweiz Med Wochenschr** 1982 Feb 27;112(9):310-4 (Eng. Abstr.) **(Fre)**

[Long term therapy of essential hypertension with indapamide: studies on the effect on electrolyte balance and glucose metabolism] Zorn J. **Fortschr Med** 1980 Dec 11;98(46):1836-40 **(Ger)**

[Indapamide: more selectivity of action in hypertensive therapy] Fischer M. **Med Klin [Prax]** 1982 Mar 12; 77(6):58-62 **(Ger)**

[Evaluation of a drug combination for antihypertensive therapy in general practice] Voigt U. **Med Welt** 1981 Sep 11;32(37):1368-74 **(Ger)**

[Diuretic treatment and serum lipoproteins: effects of tienilic acid and indapamide (author's transl)] Weidmann P, et al. **Praxis** 1982 Feb 16;71(7):289-92 (Eng. Abstr.) **(Ger)**

[Studies of antihypertensional mechanism of indapamide (author's transl)] Weidmann P, et al. **Praxis** 1982 Feb 16; 71(7):282-8 (Eng. Abstr.) **(Ger)**

[Furosemide and metolazone: a highly effective diuretic combination] Furrer J, et al. **Schweiz Med Wochenschr** 1980 Nov 29;110(48):1825-9 (Eng. Abstr.) **(Ger)**

[Clinical studies with the new saluretic azosemide] Kokot F, et al. **Z Gesamte Inn Med** 1982 Mar 15;37(6):180-3 (Eng. Abstr.) **(Ger)**

[The effect of beta-receptor antagonists and diuretics and their combination on blood pressure and pressure-rate product during ergometric work in hypertensive patients (author's transl)] Franz IW. **Z Kardiol** 1982 Jan; 71(2):129-37 (Eng. Abstr.) **(Ger)**

[Clinical evaluation of bumetanide in the diuretic treatment of heart failure and liver cirrhosis] Mauro G, et al. **Clin Ter** 1981 Mar 15;96(5):515-21 (Eng. Abstr.) **(Ita)**

[Clinical use of bumetanide] Pellerito R, et al. **Clin Ter** 1981 Sep 30;98(6):651-60 (Eng. Abstr.) **(Ita)**

[Piretanide in the therapy of water-sodium retention in hepatic cirrhosis] Scarpioni L, et al. **G Clin Med** 1982 Jan; 63(1):57-76 (Eng. Abstr.) **(Ita)**

[Antihypertensive and diuretic effects of indapamide in normotensive and hypertensive rats (author's transl)] Morishita S, et al. **Nippon Yakurigaku Zasshi** 1982 Mar; 79(3):137-46 (Eng. Abstr.) **(Jpn)**

TOXICITY

Chronic effects of loop diuretics on the guinea-pig cochlea. Pratt SR, et al. **Br J Audiol** 1982 May;16(2):117-22

Comparative acute cochlear toxicity of intravenous bumetanide and furosemide in the purebred beagle. Brown RD. **J Clin Pharmacol** 1981 Nov-Dec;21(11-12 Pt 2):620-7

Comparative ototoxicity of bumetanide and furosemide when used in combination with kanamycin. Brummett RE, et al. **J Clin Pharmacol** 1981 Nov-Dec;21(11-12 Pt 2):628-36

Toxicologic evaluation of bumetanide, potent diuretic agent. McClain RM, et al. **J Clin Pharmacol** 1981 Nov-Dec; 21(11-12 Pt 2):543-54

The effect of frusemide, piretanide and bumetanide on cochlear succinic dehydrogenase. Comis SD, et al. **Neuropharmacology** 1981 Apr;20(4):405-7

URINE

High-performance liquid chromatographic assay for monitoring indapamide and its major metabolite in urine. Pietta P, et al. **J Chromatogr** 1982 Mar 12;228:377-81

DIURETICS, THIAZIDE

Response of the renal kallikrein-kinin system, intravascular volume, and renal hemodynamics to sodium restriction and diuretic treatment in essential hypertension. O'Connor DT. **Hypertension** 1982 Sep-Oct;4(5 Pt 2):II172-8 (56 ref.)

ADMINISTRATION & DOSAGE

A comparison of slow Trasicor (oxprenolol 160 mg) and Trasidrex (oxprenolol 160 mg and cyclopenthiazide 0.25 mg) in the treatment of hypertension in general practice. Elsdon-Dew RW, et al. **J Int Med Res** 1981;9(5):315-8

Serum potassium and thiazide/beta-blocker combinations [letter] Steiness E. **Lancet** 1982 Apr 24;1(8278):971-2

Oral diuretics and hypertension [letter] Waal-Manning HJ. **NZ Med J** 1982 Apr 28;95(706):287-8

Potassium supplements [letter] Waal-Manning HJ. **NZ Med J** 1982 May 12;95(707):326

[Metabolic effects of long-term use of thiazide diuretics (author's transl)] Seki A, et al. **Nippon Naika Gakkai Zasshi** 1981 Jul;70(7):975-8 **(Jpn)**

ADVERSE EFFECTS

Chronic pancreatitis with cyst formation after prednisone and thiazide treatment. Weaver GA, et al. **Am J Gastroenterol** 1982 Mar;77(3):164-8

Relative potency of spironolactone, triamterene and potassium chloride in thiazide-induced hypokalaemia. Jackson PR, et al. **Br J Clin Pharmacol** 1982 Aug; 14(2):257-63

Potassium supplements during long-term thiazide therapy for essential hypertension. Wilkinson PR, et al. **Br J Clin Pharmacol** 1982 Aug;14(2):282-3

Hypokalaemia induced by a combination of a beta-blocker and a thiazide [letter] **Br Med J [Clin Res]** 1982 Mar 6; 284(6317):743-4

Potentiation of myelosuppression from cancer chemotherapy and thiazide diuretics. Orr LE. **Drug Intell Clin Pharm** 1981 Dec;15(12):967-70

Toe pain in a hypertensive male. Layfer LF, et al. **IMJ** 1982 May;161(5):362-3

Managing diuretic-induced hypokalemia in ambulatory hypertensive patients. Fischer RG. **J Fam Pract** 1982 Jun; 14(6):1029-36 (50 ref.)

Potassium supplements--a practical view [letter] Maling TJ. **NZ Med J** 1982 Jan 27;95(700):53-4

Deletion of combined thiazide and potassium chloride preparations from the Drug Tariff [letter] Simpson FO. **NZ Med J** 1981 Nov 11;94(695):356-8

[Thiazide-induced hypercalcemia in patients with kidney calculi (letter)] Horváth C, et al. **Orv Hetil** 1982 Apr 25; 123(17):1075-6 **(Hun)**

[Hypercalcemia-causing side effects of diuretics] Radó J, et al. **Orv Hetil** 1982 Jan 17;123(3):159-62 **(Hun)**

[Drug-induced abnormal sugar metabolism] Kumagai A, et al. **Nippon Rinsho** 1982 Feb;40(2):459-63 **(Jpn)**

ANALYSIS

HPLC determination of benzthiazide in biologic material. Meyer MC, et al. **Biopharm Drug Dispos** 1982 Jan-Mar; 3(1):1-9

PHARMACODYNAMICS

BTS 39542, a dihydrophthalazin-1-ylacetic acid with high efficacy diuretic activity. Cooling MJ, et al. **Br J Pharmacol** 1981 Oct;74(2):359-64

THERAPEUTIC USE

Prevention of kidney stones. Coe FL. **Am J Med** 1981 Oct; 71(4):514-6

Xipamide and cyclopenthiazide in essential hypertension--comparative effects on blood pressure and plasma potassium. MacGregor GA, et al. **Br J Clin Pharmacol** 1982 Jun;13(6):859-63

The treatment of hypertension in older patients: a double-blind, between-patient study, in previously treated patients comparing a diuretic, a beta-receptor antagonist, and their fixed combination. Forrest WA. **J Int Med Res** 1981;9(6):490-4

Royal College of Physicians of Endinburgh [letter] Sherrard DJ. **Lancet** 1981 Sep 19;2(8247):644

Fixed-combination diuretic preparations [letter] Bury RW, et al. **Med J Aust** 1981 Aug 22;2(4):209

Comparison of indapamide with thiazide diuretics in patients with essential hypertension. Chalmers JP, et al.

Med J Aust 1981 Jul 25;2(2):100–1
Comparison of the antihypertensive effects of indapamide and cyclopenthiazide. James I, et al. Postgrad Med J 1981; 57 Suppl 2:39–41
A study comparing indapamide with cyclopenthiazide in geriatric patients. Khan AU. Postgrad Med J 1981;57 Suppl 2:42–3
The treatment of hypertension in older patients: a comparative study between a diuretic, a beta-receptor antagonist and their fixed combination. Forrest WA. Practitioner 1982 Apr;226(1366):777–8
[Lithium and diabetes insipidus. Theoretical and practical aspects. Therapeutic value of thiazide diuretics (author's transl)] des Lauriers A, et al. Sem Hop Paris 1982 Mar 25;58(12):703–10 (Eng. Abstr.) (Fre)
[Patient compliance in controlled drug trials] Bonn R, et al. Med Welt 1982 Jun 11;33(23):861–2 (Ger)
[A new drug combination: metipranolol with butizide in the treatment of arterial hypertension] De Cesaris R, et al. Clin Ter 1981 Oct 15;99(1):43–7 (Eng. Abstr.) (Ita)
[Updating hypotensive therapy, especially with beta-blocking agents] Ferrara E, et al. Clin Ter 1981 Sep 15;98(5):561–7 (19 ref.) (Eng. Abstr.) (Ita)
[Therapy of arterial hypertension of renal origin] Schena FP. Clin Ter 1982 Apr 15;101(1):87–93 (5 ref.) (Eng. Abstr.) (Ita)

DIURNAL RHYTHM see under CIRCADIAN RHYTHM

DIURON

METABOLISM

Aerobic degradation of diuron by aquatic microorganisms. Ellis PA, et al. J Environ Sci Health [B] 1982;17(3):277–89

PHARMACODYNAMICS

Modification of the spectral properties of cytochrome b in mutants of Saccharomyces cerevisiae resistant to 3-(3,4-dichlorophenyl)-1,1-dimethylurea. Mapping at two distinct genetic loci of the split mitochondrial gene of cytochrome b. Briquet M, et al. Eur J Biochem 1981 Jul; 117(2):333–9

DIVERTICULITIS

COMPLICATIONS

Left ventricular diverticulum: analysis of two operated cases and review of the literature. Mady C. Angiology 1982 Apr; 33(4):280–6
Perforated Meckel's diverticulum in an octogenarian. Sridhar KN, et al. Br J Clin Pract 1981 Nov–Dec;35(11–12):424
Jejunal diverticulitis with perforation. Radecki PD, et al. J Clin Gastroenterol 1981 Dec;3(4):375–7
Acute intestinal obstruction caused by an intramural hematoma secondary to an inflamed Meckel's diverticulum. Winograd I, et al. J Pediatr Surg 1981 Aug;16(4):509–10
[Perforating jejunal diverticulitis] Procházková M, et al. Rozhl Chir 1981 Mar;60(3):213–6 (Eng. Abstr.) (Cze)
[Abscess in diverticulitis] Kistler H. Leber Magen Darm 1981 Aug;11(4):189, 195–6 (Ger)

DIAGNOSIS

A single diverticulum of the fallopian tube. Madanes A, et al. Fertil Steril 1982 Jan;37(1):121–2
[Large jejunal diverticulitis as a cause of obstruction] Osiniak M. Pol Tyg Lek 1981 Jul 13;36(28):1065–6 (Eng. Abstr.) (Pol)

PATHOLOGY

Jejunal diverticulosis complicated by inflammation and perforation of a diverticulum–report of a case. Vanezis P. Med Sci Law 1981 Jul;21(3):195–7
[Solitary inflammatory diverticulum of the cecum. Report of 8 cases] Guimarães AS, et al. AMB 1981 Dec; 27(12):346–8 (Eng. Abstr.) (Por)

RADIOGRAPHY

[Diverticulitis of the right large bowel (author's transl)] Koch HL, et al. Radiologe 1981 Sep;21(9):444–8 (Eng. Abstr.) (Ger)

SURGERY

Cecal diverticulitis with abscess formation a plea for conservatism. Lamphier TA. Am J Proctol Gastroenterol Colon Rectal Surg 1981 Sep; 32(9):20–3, 36
A safe and cost effective method of colon resection. Barnes ZB. J Med Assoc State Ala 1981 Sep;51(3):23–4
[Surgical treatment of sigmoid diverticulitis] Wetl K, et al. Wien Med Wochenschr 1982 Apr 15;132(7):155–60 (Eng. Abstr.) (Ger)
[Diseases of Meckel's diverticulum] Klęba T. Pol Tyg Lek 1981 Oct 5;36(40):1541–3 (Eng. Abstr.) (Pol)

DIVERTICULITIS, COLONIC

COMPLICATIONS

Hepatic portal venous gas in diverticulitis: survival in a steroid-treated patient. Cambria RP, et al. Arch Surg 1982 Jun;117(6):834–5
Percutaneous drainage of peridiverticular abscess followed by primary sigmoidectomy. Greco RS, et al. Dis Colon Rectum 1982 Jan–Feb;25(1):53–5
Femoral osteomyelitis secondary to diverticulitis. McCrea ES, et al. J Can Assoc Radiol 1981 Sep;32(3):181–2
Ureteral obstruction secondary to acute sigmoid diverticulitis. Ruggiero R, et al. Urology 1982 Jan; 19(1):63–5
Ureteral obstruction secondary to acute sigmoid diverticulitis [letter] Siminovitch JM, et al. Urology 1982 Apr;19(4):455
[Hemorrhage as a complication of colonic diverticulitis] Kuśmierski S, et al. Pol Tyg Lek 1981 Sep 14;36(37):1435–6 (Eng. Abstr.) (Pol)
[Complications of colonic diverticulitis [apropos of 22 cases)] Juvara I, et al. Rev Chir [Chir] 1981 Sep–Oct;30(5):321–32 (Eng. Abstr.) (Rum)

CONGENITAL

Congenital jejunal diverticulum leading to diverticulitis and volvulus. Nagar RC. J Indian Med Assoc 1981 Apr; 76(7–8):137–8

DIAGNOSIS

[Inflammatory large bowel diseases from the internistic stand point] Schnack H. Wien Med Wochenschr 1981 Sep 30; 131(18):437–42 (Ger)
[Diverticulosis–diverticulitis] Paul F, et al. Z Gerontol 1982 Mar–Apr;15(2):70–8 (Eng. Abstr.) (Ger)

ETIOLOGY

Colonic cancer and associated diverticulitis. Stavorovsky M, et al. Int Surg 1979 Nov–Dec;64(6):49–53

PHYSIOPATHOLOGY

The effect of coarse and fine Canadian Red Spring Wheat and French Soft Wheat bran on colonic motility in patients with diverticular disease. Smith AN, et al. Am J Clin Nutr 1981 Nov;34(11):2460–3
[Pathogenesis of colon diverticular disease (author's transl)] Raguse T, et al. Leber Magen Darm 1981 Aug;11(4):147–58 (66 ref.) (Eng. Abstr.) (Ger)

RADIOGRAPHY

A double-blind study of radiologic accuracy in diverticulitis, diverticulosis, and carcinoma of the sigmoid colon. Schnyder P, et al. J Clin Gastroenterol 1979 Mar;1(1):55–66
Case profile: unique uroradiographic manifestation of diverticulitis of colon. Finan BF, et al. Urology 1982 Aug; 20(2):206–7

SURGERY

The outcome of staged management of complicated diverticular disease of the sigmoid colon. Wara P, et al. Acta Chir Scand 1981;147(3):209–14
Diverticulitis of the colon. Clinical review of acute presentations and management. Letwin ER. Am J Surg 1982 May;143(5):579–81
Acute perforation of sigmoid diverticula. Sakai L, et al. Am J Surg 1981 Dec;142(6):712–6
Prognostic indices in the treatment of acute diverticulitis: a retrospective study. Linhardt GE Jr, et al. Am Surg 1982 May;48(5):217–20
Resection and primary anastomosis for diverticulitis with perforation and peritonitis. Farkouh E, et al. Can J Surg 1982 May;25(3):314–6
Diverticulitis of the right colon. McFee AS, et al. Dis Colon Rectum 1982 Apr;25(3):254–6
Surgical treatment of colonic diverticulitis: a report of 205 cases. Edelmann G. Int Surg 1981 Apr–Jun;66(2):119–24
Diverticulitis of the ascending colon. Liem FT, et al. Neth J Surg 1981 Dec;33(5):221–3
Surgical management of acute diverticulitis in women. Raventos JM, et al. Obstet Gynecol 1981 Nov;58(5):557–65
[Primary resection of acute complicated diverticulitis] Marti MC. Helv Chir Acta 1982 Feb;48(6):775–9 (Eng. Abstr.) (Fre)
[Single and multiple procedures in diverticulitis] Harder F, et al. Helv Chir Acta 1982 Feb;48(6):767–73 (Eng. Abstr.) (Ger)
[The effect of various therapeutic measures in sigmoid diverticulitis perforation] Kessler W, et al. Helv Chir Acta 1982 Feb;48(6):781–3 (Eng. Abstr.) (Ger)
[The treatment of perforated sigmoid diverticulitis] Klaiber C, et al. Helv Chir Acta 1982 Feb;48(6):785–6 (Eng. Abstr.) (Ger)
[Diverticulosis–diverticulitis as a surgical problem] Jaeger K. Lebensversicherungsmedizin 1982 May 4;34(4):92–4 (Eng. Abstr.) (Ger)
[Surgical therapy of inflammatory large bowel diseases] Ungebeuer E, et al. Wien Med Wochenschr 1981 Sep 30; 131(18):443–7 (Ger)
[Diverticular disease; investigation on therapeutical tactics (author's transl)] Raguse T. Zentralbl Chir 1981; 106(21):1393–408 (Eng. Abstr.) (Ger)
[Longitudinal myotomy of the sigmoid] Zanghì M, et al. Minerva Chir 1980 Dec 15–31;35(23–24):1877–82 (Ita)

DIVERTICULOSIS

Intraluminal duodenal diverticulum [letter] Schwartz SS. Gastroenterology 1982 Feb;82(2):397
Solitary caecal diverticulum. Dearden C, et al. Ulster Med J 1981;50(2):123–5
[Diverticula of the female urethra. Review] Roa Luzuriaga M. Arch Esp Urol 1981 Jul–Aug;34(4):253–66 (Eng. Abstr.) (Spa)

COMPLICATIONS

Jejunal diverticulosis with perforation and peritonitis. Case report. Kveim MH. Acta Chir Scand 1981;147(4):305–6
Carcinoma in diverticulum of the female urethra. Tines SC, et al. AJR 1982 Mar;138(3):582–5
Zenker's diverticulum as a cause for loss of drug availability: a 'new' complication. Baron SH. Am J Gastroenterol 1982 Mar;77(3):152–3
Small bowel obstruction due to enterolith (bezoar) formed in a duodenal diverticulum: a case report and review of the literature. Shocket E, et al. Am J Gastroenterol 1982 Sep;77(9):621–4
Cholangitis and pancreatitis due to juxtapapillary duodenal diverticulum. Endoscopic sphincterotomy is the other alternative in selected cases. Thomas E, et al. Am J Gastroenterol 1982 May;77(5):303–4
Endolymphatic duct obstruction from a jugular bulb diverticulum. Jahrsdoerfer RA, et al. Ann Otol Rhinol Laryngol 1981 Nov–Dec;90(6 Pt 1):619–23
Recurrent biliary calculi: duodenal diverticula as a predisposing factor. Løtveit T, et al. Ann Surg 1982 Jul; 196(1):30–2
An intrapapillary pancreatic duct diverticulum: a rare but surgically correctable cause of juvenile pancreatitis. Hatfield AR, et al. Br J Surg 1982 Jul;69(7):430–1
Giant calculus in urethral diverticulum. Sinha A, et al. Br J Urol 1982 Feb;54(1):62
Intramural gas cysts in a case of diverticular disease of the jejunum. Zakhour HD, et al. Histopathology 1982 May; 6(3):363–9
Total thoracic ectopia cordis with complete absence of sternum and pericardium and double diverticulum. Poulias GE, et al. J Cardiovasc Surg (Torino) 1982 Jan–Feb; 23(1):75–8
Duodenal and jejunal diverticula causing a pneumoperitoneum. Madura MJ, et al. J Clin Gastroenterol 1981;3 Suppl 1:61–3
Quadrigeminal plate compression caused by a pulsion diverticulum. Kapila A, et al. J Clin Neuro Ophthalmol 1981 Jun;1(2):135–40
Unrecognized bladder diverticulum: a cause of persistent urinary tract infection. Kissinger DJ, et al. J Med Soc NJ 1981 Sep;78(10):677–8
Duodenal diverticula and gallstone disease. Løtveit T. J Oslo City Hosp 1982 May–Jun;32(5–6):67–77
Tracheal diverticulum with recurrent apnea and segmental pulmonary atelectasis. Danis RK. J Pediatr Surg 1982 Apr; 17(2):182–3
Left ventricular diverticula with mitral valve prolapse and pectus excavatum. Rosenzweig MS, et al. NY State J Med 1982 Jun;82(7):1097–9
Massive hemorrhage from jejunal diverticula. Spiegel RM, et al. Radiology 1982 May;143(2):367–71
The pathologic implication of duodenal diverticula. Eggert A, et al. Surg Gynecol Obstet 1982 Jan;154(1):62–4
Ten-year review of vesical diverticula. Gerridzen RG, et al. Urology 1982 Jul;20(1):33–5
[Mucocele and diverticulosis of the vermiform appendix] Beck HI, et al. Ugeskr Laeger 1981 Feb 9;143(7):419 (Eng. Abstr.) (Dan)
[Cancer in an urethral diverticulum. Review of the literature and report of 2 cases] Jensen KM, et al. Ugeskr Laeger 1981 Sep 21;143(39):2485–7 (Eng. Abstr.) (Dan)
[Complicated jejunal diverticula. Apropos of 4 recent cases] Amrane M, et al. Med Chir Dig 1982;11(4):269–74 (Fre)
[A case report of transitional cell carcinoma in a pyelocalyceal diverticulum (author's transl)] Fujita T, et al. Nippon Hinyokika Gakkai Zasshi 1981 Oct; 72(10):1343–9 (Eng. Abstr.) (Jpn)
[A case of leiomyosarcoma of the small intestine, with intradiverticular development] Angelescu N, et al. Rev Chir [Chir] 1981 Nov–Dec;30(6):469–73 (Rum)
[Annular pancreas associated with ulcerated duodenal diverticulum] Filippov AA. Khirurgiia (Mosk) 1982 Jan; (1):103 (Rus)
[Pathology of the pancreatobiliary system due to paracholedochal diverticulum of the duodenum] Radzikhovskiĭ AP, et al. Klin Khir 1981 Dec;(12):46 (Rus)
[Pneumatosis cystoides intestinalis associated with jejunal diverticulosis and chronic bronchopneumopathy] Otero Ramírez A, et al. Rev Esp Enferm Apar Dig 1981 Jun; 59(6):735–42 (Eng. Abstr.) (Spa)

CONGENITAL

Vesicourachal diverticulum: CT diagnosis in two adults.

Schnyder P, et al. **AJR** 1981 Nov;137(5):1063–5
Anterior urethral diverticulum associated with posterior urethral valves. Graham SD Jr, et al. **J Urol** 1982 Aug; 128(2):376–8
[Congenital diverticula of the left ventricle] Bloch G, et al. **Arch Mal Coeur** 1982 Jan;75(1):107–12 (Eng. Abstr.) **(Fre)**
[Congenital bladder diverticula in children (author's transl)] Prieto Díez M, et al. **An Esp Pediatr** 1981 Dec;15(6):519–26 (Eng. Abstr.) **(Spa)**

DIAGNOSIS

Perforated jejunal diverticulum containing a smooth muscle tumour. Worthley CS, et al. **Aust NZ J Surg** 1982 Feb; 52(1):89–92
Management of duodenal diverticula. Scudamore CH, et al. **Can J Surg** 1982 May;25(3):311–4
Pharyngoesophageal pulsion diverticulum (Zenker) in a ten-year-old boy. Fiser WP, et al. **J Pediatr Surg** 1981 Oct;16(5):727–9
Urethral diverticula: urethral closure pressure profile: a preliminary report. Bhatia NN, et al. **Prog Clin Biol Res** 1981;78:239–42
[Intraluminal diverticulum of the duodenum] Grove O, et al. **Ugeskr Laeger** 1981 Sep 7;143(37):2352–3 (Eng. Abstr.) **(Dan)**
[Diverticulum of the female urethra] Benchekroun A, et al. **Maroc Med** 1981 Mar;3(1):541–5 (Eng. Abstr.) **(Fre)**
[Female urethral diverticulum] Adolphs HD, et al. **Gynakologe** 1982 Mar;15(1):45–50 (42 ref.) **(Ger)**
[Choledochocele and Intraduodenal Diverticulum (author's transl)] Miederer SE, et al. **Praxis** 1981 Nov 10; 70(46):2068–76 (Eng. Abstr.) **(Ger)**
[Intraluminal diverticulum of the duodenum] Liebe S, et al. **Z Gesamte Inn Med** 1981 Jun 15;36(12):425–8 (Eng. Abstr.) **(Ger)**
[A case of true diverticulum of the cecum] Remonda G, et al. **Ann Osp Maria Vittoria Torino** 1980 Jan–Jun; 23(1–6):164–74 (Eng. Abstr.) **(Ita)**
[A case of diverticular disease of the rectum (author's transl)] Shimura A, et al. **Rinsho Hoshasen** 1981 Oct;26(10):1071–4 (Eng. Abstr.) **(Jpn)**
[Duodenal diverticula] Mamykin SN. **Vestn Khir** 1982 Feb; 128(2):15–9 **(Rus)**
[Diverticula of the female urethra (author's transl)] Lazarevski M, et al. **Jugosl Ginekol Opstet** 1981 May–Aug; 21(3–4):83–5 (Eng. Abstr.) **(Ser)**
[Urethral diverticula in the female] Verdú F, et al. **Arch Esp Urol** 1981 May–Jun;34(3):175–82 (Eng. Abstr.) **(Spa)**

ETIOLOGY

Atrial diverticula in severe hydrocephalus. Naidich TP, et al. **AJNR** 1982 May–Jun;3(3):257–66
Complications of transverse advancement ureteral reimplantation: diverticulum formation. Ahmed S, et al. **J Urol** 1982 May;127(5):970–3
Transoral management of pharyngeal diverticula after laryngectomy. Shapshay SM, et al. **Otolaryngol Head Neck Surg** 1982 Mar–Apr;90(2):193–7
Acquired urethral diverticula in the male. Bazeed MA, et al. **Urol Int** 1981;36(6):380–5
[Perforated diverticulum of the jejunum. Report of a case] Ferreira Júnior AG, et al. **AMB** 1981 Mar;27(3):91–2 (Eng. Abstr.) **(Por)**

METABOLISM

Biliary pigment and cholesterol calculi in patients with and without juxtapapillary duodenal diverticula. Løtveit T, et al. **Scand J Gastroenterol** 1981;16(2):241–4

PATHOLOGY

A rare case of diverticulum arising from the right buccal sulcus which extended into the neck – a case report. Bailey BM. **Br J Oral Surg** 1982 Mar;20(1):53–7
Jejunal diverticulosis complicated by inflammation and perforation of a diverticulum–report of a case. Vanezis P. **Med Sci Law** 1981 Jul;21(3):195–7
[Duodenal diverticula combined with peptic ulcer] Viiachki I, et al. **Khirurgiia (Sofiia)** 1982;35(2):218–20 **(Bul)**
[Tracheobronchomegaly and multiple digestive diverticulosis (author's transl)] Martínez Orozco F, et al. **Med Clin (Barc)** 1981 Dec 15;77(10):435–8 (Eng. Abstr.) **(Spa)**

PHYSIOPATHOLOGY

Does uncomplicated diverticular disease produce symptoms? Thompson WG, et al. **Dig Dis Sci** 1982 Jul;27(7):605–8

RADIOGRAPHY

Angiographic evaluation of the ductus diverticulum. Goodman PC, et al. **Cardiovasc Intervent Radiol** 1982; 5(1):1–4
Cervical dysphagia: pharyngeal protrusions and achalasia. Schwartz EE, et al. **Clin Radiol** 1981 Nov;32(6):643–350
Intraluminal jejunal diverticulum. Mosimann F, et al. **Gastrointest Radiol** 1981;6(4):309–11
Upper gastrointestinal diverticula. Downey EF Jr, et al. **J Comput Assist Tomogr** 1982 Feb;6(1):193–4
[X-ray diagnosis of renal calyceal diverticula: with a report of 32 cases (author's transl)] Xu TZ. **Chung Hua Fang She Hsueh Tsa Chih** 1981 May;15(2):135–7 **(Chi)**
[Endoluminal duodenal diverticulum (author's transl)] Marchal M, et al. **Ann Radiol (Paris)** 1981;24(8):656–60 (Eng. Abstr.) **(Fre)**
[Uncommon diverticula of the upper digestive tract (author's transl)] Gallina F, et al. **J Belge Radiol** 1981;64(6):507–9 (Eng. Abstr.) **(Fre)**
[Intraluminal duodenal diverticulum] Hanssens JF, et al. **J Belge Radiol** 1981;64(5):425–7 (Eng. Abstr.) **(Fre)**
[Computer tomography in bladder diverticular carcinoma] Lüning M, et al. **Radiol Diagn (Berl)** 1982 Mar; 23(2):198–203 **(Ger)**
[Multiple intraluminal duodenal diverticula] Manolakis PG, et al. **ROFO** 1982 May;136(5):608–10 **(Ger)**
[Intraluminal duodenal diverticulum. Roentgenologic and surgical findings] Wolf KJ, et al. **ROFO** 1982 Jul; 137(1):108–10 **(Ger)**
[A case of intraluminal duodenal diverticulum (author's transl)] Koganemaru M, et al. **Rinsho Hoshasen** 1981 Aug 26;26(8):893–6 (Eng. Abstr.) **(Jpn)**
[Radiological aspects of periradicular cysts and meningeal diverticula in the lumbosacral segment (author's transl)] Gajewicz M, et al. **Pol Przegl Radiol** 1981 Mar–Apr; 45(2):77–80 (Eng. Abstr.) **(Pol)**
[Aneurysm or diverticulum of the right atrium] Domański M, et al. **Pol Tyg Lek** 1981 Jun 29;36(26):973–4 **(Pol)**
[Radiological aspects of localized intramural gallbladder diverticulosis] Sturdza VR, et al. **Rev Med Chir Soc Med Nat Iasi** 1981 Apr–Jun;85(2):351–3 (Eng. Abstr.) **(Rum)**

RADIONUCLIDE IMAGING

Bladder diverticula masquerading as pubic metastases. Silberstein EB, et al. **Clin Nucl Med** 1982 May;7(5):229–30
[Giant duodenal diverticula with heterotopic gastric mucosa. Its demonstration with technetium 99] Kerzberg E, et al. **Acta Gastroenterol Latinoam** 1981;11(2):301–8 (Eng. Abstr.) **(Spa)**

SURGERY

The continuing clinical enigma of duodenal diverticulum. Manny J, et al. **Am J Surg** 1981 Nov;142(5):596–600
A case of pharyngeal diverticulum. Tan EC, et al. **Ann Acad Med Singapore** 1981 Apr;10(2):226–8
Experience with a laterally based vaginal flap approach for urethral diverticulum. Appell RA, et al. **J Urol** 1982 Apr; 127(4):677–8
Cryoprecipitate coagulum as an adjunct to surgery for diverticula of the female urethra. Feldstein MS. **J Urol** 1981 Nov;126(5):698–9
Excision of pyelocaliceal diverticulum under renal hypothermia. Noe HN, et al. **J Urol** 1982 Feb;127(2):294–6
Coagulum-facilitated urethral diverticulectomy [letter] Berger RM, et al. **Urology** 1982 Aug;20(2):227
Diverticula of the upper gastrointestinal system. Sechas M, et al. **World J Surg** 1981 Sep;5(5):731–2
[Surgery and endoscopic treatment of hypopharyngoesophageal diverticula] Skeřik P, et al. **Cesk Otolaryngol** 1981;30(6):356–60 (Eng. Abstr.) **(Cze)**
[Intraluminal duodenal diverticulosis] Koch W, et al. **Med Welt** 1981 Oct 9;32(41):1518–9 **(Ger)**
[Intraduodenal diverticulum as a result of a congenital membrane] Bischof B, et al. **Zentralbl Chir** 1981; 106(19):1309–12 **(Ger)**
[A rare type vascular ring due to right aortic arch and aortic diverticle (author's transl)] Shimizu J, et al. **Kyobu Geka** 1982;35(6):468–71 (Eng. Abstr.) **(Jpn)**

THERAPY

Diverticula of renal calyces. Krzeski T, et al. **Int Urol Nephrol** 1981;13(3):231–5

DIVERTICULOSIS, COLONIC

[Diverticula, polyps and carcinoma of the large intestine] Czygan P. **ZFA (Stuttgart)** 1982 Apr 20;58(11):608–12 **(Ger)**

COMPLICATIONS

Perforated sigmoid diverticulum with necrotizing fasciitis of the abdominal wall. Harrison BJ. **J R Soc Med** 1981 Aug; 74(8):625–6
Colovesical fistulas in diverticular disease of the colon. Stockmann CH, et al. **Neth J Surg** 1982 Mar;34(1):18–20
[Massive hemorrhage from a colonic diverticulum with demonstration of the source of hemorrhage in the resected segment] Falk E, et al. **Ugeskr Laeger** 1981 May 11; 143(20):1275–6 (Eng. Abstr.) **(Dan)**
[Diverticular perforations of the colon. Observations on 23 cases] Fusaro M, et al. **Arch Sci Med (Torino)** 1981 Oct–Dec;138(4):517–22 **(Ita)**
[Diagnostic problems in sigmoido-vesical fistulas complicating diverticulosis of the colon] Sacco R, et al. **Chir Patol Sper** 1980 Aug;28(4):245–53 (Eng. Abstr.) **(Ita)**

CONGENITAL

Giant sigmoid diverticula. Case report and review. Castagnone D, et al. **Panminerva Med** 1981 Jul–Sep; 23(3):203–6

DIAGNOSIS

The clinical significance of diverticular disease of the colon. Parks TG. **Practitioner** 1982 Apr;226(1366):643–8, 650–4
[Diverticulosis–diverticulitis] Paul F, et al. **Z Gerontol** 1982 Mar–Apr;15(2):70–8 (Eng. Abstr.) **(Ger)**

DIET THERAPY

Is bran useful in diverticular disease? [letter] Allen-Mersh T, et al. **Br Med J [Clin Res]** 1982 Mar 6;284(6317):740
Is bran useful in diverticular disease? Heaton KW. **Br Med J [Clin Res]** 1981 Dec 5;283(6305):1523–4
Doubts about diverticular disease. Littlewood ER, et al. **Br Med J [Clin Res]** 1981 Dec 5;283(6305):1524–6
[Treatment of colonic diverticulosis and irritable colon with wheat bran] Levitan MKh, et al. **Sov Med** 1981;(8):109–12 **(Rus)**

ETIOLOGY

Pathogenesis of giant colonic diverticula. Muhletaler CA, et al. **Gastrointest Radiol** 1981;6(3):217–22
Diverticular disease of the colon. The first of the Western diseases shown to be due to a deficiency of dietary fibre. Painter NS. **S Afr Med J** 1982 Jun 26;61(26):1016–20

OCCURRENCE

[Epidemiology of diverticulosis of the large intestine] Kindler U, et al. **Med Welt** 1981 Aug 14;32(32–33):1198–9 **(Ger)**
[Diverticular disease of the colon] Bonardi O. **Minerva Med** 1981 Sep 22;72(35):2378–82 **(Ita)**

PATHOLOGY

An aetiological study of diverticulosis of the right colon. Murayama N, et al. **Aust NZ J Surg** 1981 Oct;51(5):420–5

PHYSIOPATHOLOGY

Anti-spasmodic effect of prifinium bromide on the proximal and distal colon in patients with diverticular disease. Sasaki D, et al. **Gastroenterol Jpn** 1981;16(4):344–9
Pressure changes after balloon distension of the colon wall in diverticular disease. Smith AN, et al. **Gut** 1981 Oct; 22(10):841–4

RADIOGRAPHY

Plain film recognition of giant colonic diverticulum. Rosenberg RF, et al. **Am J Gastroenterol** 1981 Jul; 76(1):59–69
Giant sigmoid diverticula. Heimann T, et al. **Dis Colon Rectum** 1981 Sep;24(6):468–70
A double-blind study of radiologic accuracy in diverticulitis, diverticulosis, and carcinoma of the sigmoid colon. Schnyder P, et al. **J Clin Gastroenterol** 1979 Mar;1(1):55–66

SURGERY

Acute perforation of sigmoid diverticula. Sakai L, et al. **Am J Surg** 1981 Dec;142(6):712–6
Diverticular disease: a retrospective study of surgical management 1970–1980. Pheils MT, et al. **Aust NZ J Surg** 1982 Feb;52(1):53–6
[Indications for the surgical treatment of diverticular disease of the large intestine] Antoš F, et al. **Rozhl Chir** 1981 Dec; 60(12):827–33 (Eng. Abstr.) **(Cze)**
[Diverticulosis–diverticulitis as a surgical problem] Jaeger K. **Lebensversicherungsmedizin** 1982 May 4;34(4):92–4 (Eng. Abstr.) **(Ger)**
[Surgical treatment of diverticulosis of the colon] Bellinazzo P. **Minerva Chir** 1980 Dec 15–31;35(23–24):1873–5 **(Ita)**
[Longitudinal myotomy of the sigmoid] Zanghì M, et al. **Minerva Chir** 1980 Dec 15–31;35(23–24):1877–82 **(Ita)**

DIVERTICULOSIS, ESOPHAGEAL see **ESOPHAGEAL DIVERTICULA**

DIVERTICULOSIS, GASTRIC see **STOMACH DIVERTICULA**

DIVING

see related
DECOMPRESSION SICKNESS
IMMERSION

The multifactorial approach to myocardial salvage. The experience from diving seals. Kjekshus JK, et al. **Acta Med Scand [Suppl]** 1981;651:49–57
The inner ear and hyperbaric conditions. An electrophysiological and morphological study. Levendag PC, et al. **Acta Otolaryngol [Suppl] (Stockh)** 1981;382:1–110
Evaluating the sport scuba diver. Szasz MS, et al. **Am Fam Physician** 1982 May;25(5):131–4
Scuba diver's delayed toxic epithelial keratopathy from commercial mask defogging agents. Wright WL. **Am J Ophthalmol** 1982 Apr;93(4):470–2
Hormonal changes and enforced diving in the harbor seal Phoca vitulina. II. Plasma catecholamines. Hance AJ, et al. **Am J Physiol** 1982 May;242(5):R528–32
Myocardial blood flow and metabolism in the diving seal. Kjekshus JK, et al. **Am J Physiol** 1982 Jan;242(1):R97–104

Control of diving responses by carotid bodies and baroreceptors in ducks. Lillo RS, et al. **Am J Physiol** 1982 Jan;242(1):R105–8

Cardiovascular adjustments to laboratory diving in beavers and nutria. McKean T. **Am J Physiol** 1982 May; 242(5):R434–40

Glucoregulation and simulated diving in the harbor seal Phoca vitulina. Robin ED, et al. **Am J Physiol** 1981 Nov; 241(5):R293–300

Cardiac arrest from gas embolism in scuba diving. Cales RH, et al. **Ann Emerg Med** 1981 Nov;10(11):589–92

Vestibular and neurological disorders in diving competitors. Krejcova H, et al. **Ann NY Acad Sci** 1981;374:839–45

Eustachian tube dysfunction in submariners and divers. McNicoll WD. **Arch Otolaryngol** 1982 May;108(5):279–83

Chokes—favorable response to delayed recompression therapy: a case report. Greenstein A, et al. **Aviat Space Environ Med** 1981 Sep;52(9):558–60

A study of unusual incidents in a well-documented series of dives. Leitch DR. **Aviat Space Environ Med** 1981 Oct; 52(10):618–24

Changes in the phosphorus metabolism of a diving turtle observed by 31P-NMR. Wemmer D, et al. **Biochim Biophys Acta** 1982 Jun 8;720(3):281–7

Behavior of heart rate and incidence of arrhythmia in swimming and diving. Jung K, et al. **Biotelem Patient Monit** 1981;8(4):228–39

Immediate management of diving emergencies. Whitaker AJ, et al. **Br J Sports Med** 1982 Jun;16(2):102–6

Can pulmonary barotrauma cause cerebral air embolism in a non-diver? Bayne CG, et al. **Chest** 1982 May;81(5):648–50

Contact allergic dermatitis due to diethylthiourea in a wetsuit. Adams RM. **Contact Dermatitis** 1982 Jul;8(4):277–8

Soft contact lens testing on fresh water scuba divers. Cotter J. **Contact Intraocular Lens Med J** 1981 Oct–Dec;7(4):323–6

Cognitive performance, sleep quality and mood during deep oxyhelium diving. Lewis VJ, et al. **Ergonomics** 1981 Oct; 24(10):773–93

Respiratory resistance from 1 to 46 ATA measured with the interrupter technique. Clarke JR, et al. **J Appl Physiol** 1982 Mar;52(3):549–55

Effect of cardiovascular variables on hyperpnea during recovery from diving in ducks. Lillo RS, et al. **J Appl Physiol** 1982 Jan;52(1):206–15

Thermal insulation and shivering threshold in Greek sponge divers. Veicsteinas A, et al. **J Appl Physiol** 1982 Apr; 52(4):845–50

Respiratory heat transfer in cold water and during rewarming. Hayes PA, et al. **J Biomech Eng** 1982 Feb; 104(1):45–9

Effect of diving and diving hoods on the bacterial flora of the external ear canal and skin. Brook I, et al. **J Clin Microbiol** 1982 May;15(5):855–9

Skeletal and pulmonary radiology changes in divers. Davidson JK. **J Soc Occup Med** 1981 Jul;31(3):85–92

Stomach rupture as a result of gastrointestinal barotrauma in a SCUBA diver. Cramer FS, et al. **J Trauma** 1982 Mar; 22(3):238–40

Diving Accident Network begins 2nd year [news] Gunby P. **JAMA** 1981 Oct 23–30;246(17):1879

The sport diving employee. Milroy WC. **JOM** 1982 Apr; 24(4):295–8

Relative contributions of chemical and non-chemical drives to the breath-holding time in breath-hold divers (Ama). Honda Y, et al. **Jpn J Physiol** 1981;31(2):181–6

The ventilatory responses to hypoxia and hypercapnia in the Ama. Masuda Y, et al. **Jpn J Physiol** 1981;31(2):187–97

Ventilatory response to CO2 rebreathing at rest in the ama. Miyamura M, et al. **Jpn J Physiol** 1981;31(3):423–6

Altered sex ratio in children of divers [letter] Lyster WR. **Lancet** 1982 Jul 17;2(8290):152

Saturation of mini-pig bone-marrow with nitrogen during exposure to compressed air. Thomas IH, et al. **Lancet** 1982 Jul 17;2(8290):127–9

Intrauterine bends? [letter] Turner G, et al. **Lancet** 1982 Apr 17;1(8277):905

An application of bioelectrical impedance for the detection of tissular bubbles in the diver: preliminary results. Jossinet J, et al. **Med Biol Eng Comput** 1981 Jul;19(4):419–25

Spinal decompression sickness while scuba diving under the influence of drugs [letter] Unsworth IP. **Med J Aust** 1982 Jun 26;1(13):543–4

Terminal dives in mink, muskrat and beaver. Gilbert FF, et al. **Physiol Behav** 1982 May;28(5):835–40

Sports medicine (2). Common medical problems in sub-aqua sport. Betts J. **Practitioner** 1981 Aug;225(1358):1169–74

Radiological skeletal survey for aseptic necrosis of bone in divers and compressed air workers. Notes prepared by the Medical Research Council Decompression Sickness Panel. **Radiography** 1981 Jun;47(558):141–3

The role of computed tomography in the management of dysbaric diving accidents. Kizer KW. **Radiology** 1981 Sep; 140(3):705–7

Apnoeic diving safety – experimental approaches to oxygen augmentation. Smit PJ, et al. **S Afr Med J** 1981 Dec 19; 60(25):959–64

Diving depths and energy requirements of king penguins. Kooyman GL, et al. **Science** 1982 Aug 20;217(4561):726–7

Dolphins and the bends. Mackay RS. **Science** 1982 May 7; 216(4546):650–1

Blood cell changes in asymptomatic divers. Barnard EE, et al. **Undersea Biomed Res** 1981 Dec;8(4):187–98

Equations for predicting diver regional skin temperatures as a function of mean skin temperature. Johnson CE, et al. **Undersea Biomed Res** 1982 Mar;9(1):59–74

Remediable eustachian tube dysfunction in diving recruits: assessment, investigation, and management. McNicoll WD. **Undersea Biomed Res** 1982 Mar;9(1):37–43

Evaluation of different decompression schedules by an agarose gel bubble technique. Mano Y, et al. **Undersea Biomed Res** 1982 Mar;9(1):45–57

Effects of CO2 insensitivity and respiratory pattern on respiration in divers. Morrison JB, et al. **Undersea Biomed Res** 1981 Dec;8(4):209–17

Pressure equilibration of the middle ear during ascent. Ornhagen HC, et al. **Undersea Biomed Res** 1981 Dec; 8(4):219–27

Central nervous system reactions during heliox and trimix dives to 31 ATA. Vaernes R, et al. **Undersea Biomed Res** 1982 Mar;9(1):1–14

Gastrointestinal barotrauma in scuba divers [letter] Landon CW. **West J Med** 1981 Sep;135(3):242

[Ocular changes in competition divers] Krejčí L, et al. **Cesk Oftalmol** 1982 Mar;38(2):96–9 (Eng. Abstr.) **(Cze)**

[Divers studied with the auditory analyzer] Novotný Z. **Cesk Otolaryngol** 1982 Jan;31(1):17–24 (Eng. Abstr.) **(Cze)**

[Spinal cord lesions in the decompression syndrome] Hansen K, et al. **Ugeskr Laeger** 1982 Feb 22;144(8):532–5 (Eng. Abstr.) **(Dan)**

[Barotrauma of the inner ear. A review with 2 characteristic case reports] Holm-Jensen S, et al. **Ugeskr Laeger** 1982 Feb 22;144(8):528–32 (Eng. Abstr.) **(Dan)**

[Diving accidents in Denmark 1966–80] Madsen J. **Ugeskr Laeger** 1982 Feb 22;144(8):523–7 (Eng. Abstr.) **(Dan)**

[Rupture of the stomach following deep-sea diving: report on three cases (author's transl)] de Saint-Julien J, et al. **Chirurgie** 1981;107(10):741–4, 780 (Eng. Abstr.) **(Fre)**

[A case of allergy to dibutylthiourea caused by diver's footgear (author's transl)] Foussereau J, et al. **Derm Beruf Umwelt** 1982;30(2):58–9 (Eng. Abstr.) **(Ger)**

[To the problem of caisson disease in scuba-divers (author's transl)] Moser M, et al. **Laryngol Rhinol Otol (Stuttg)** 1981 Jul;60(7):381–2 (Eng. Abstr.) **(Ger)**

[Microembolisms in the capsula interna following decompression accident during diving. A case report (author's transl)] Moser M. **Laryngol Rhinol Otol (Stuttg)** 1981 Jul;60(7):383–4 (Eng. Abstr.) **(Ger)**

[Ear damage in diving simulation attempt in high pressure chambers] Köhlinger A. **Med Welt** 1981 Oct 23;32(43):1620 **(Ger)**

[Injuries and damage to the locomotor system in diving] Strupler M, et al. **Schweiz Z Sportmed** 1982 Mar;30(1):13–7 (Eng. Abstr.) **(Ger)**

['Drowning'—an incomplete diagnosis in diving accidents] Birkholz M, et al. **Z Arztl Fortbild (Jena)** 1982 Feb 15; 76(4):147–9 **(Ger)**

[Evaluations of respiratory functional parameters in sponge fishers from the island of Kalimnos (Greece)] Data PG, et al. **Boll Soc Ital Biol Sper** 1981 Aug 30;57(16):1727–30 (Eng. Abstr.) **(Ita)**

[4th National Congress: Current medical and social status and trends in underwater and hyperbaric medicine. Naples, 24–26 October 1980] **Minerva Med** 1981 Dec 30; 72(52):3617–27 **(Ita)**

[Effects of variations in the ascending speed on the production of circulating gas bubbles after compressed-air diving] Marroni A, et al. **Minerva Med** 1981 Dec 30; 72(52):3567–72 (Eng. Abstr.) **(Ita)**

[Comparative analysis of radiographic data of 'structural changes' in the bones of divers and non-divers] Oriani G, et al. **Minerva Med** 1981 Dec 30;72(52):3573–8 (Eng. Abstr.) **(Ita)**

[A Lance-Adams syndrome of a diver (author's transl)] Yoshida Y, et al. **No To Shinkei** 1981 Oct;33(10):1051–6 (Eng. Abstr.) **(Jpn)**

[Investigations of corneal sensation in divers by means of electromilidynamometer (author's transl)] Jettmar A. **Klin Oczna** 1981 Oct–Dec;83(10–12):493–4 (Eng. Abstr.) **(Pol)**

[Subconjunctival emphysema in a skin diver] Bielicka W, et al. **Wiad Lek** 1981 Aug 1;34(15):1295–8 **(Pol)**

[Contribution of V.N. Chernigovskiĭ to diving physiology and medicine] Sapov IA. **Fiziol Zh SSSR** 1982 Feb; 68(2):263–6 **(Rus)**

[Human auditory function during exposure to hyperbaric conditions] Lakhov FP. **Gig Tr Prof Zabol** 1982 Feb; (2):45–8 **(Rus)**

[Effect of local vibration on the diver during underwater work] Sterlikov AV, et al. **Gig Tr Prof Zabol** 1981 Nov; (11):32–5 (Eng. Abstr.) **(Rus)**

[Baromedicine—a current research field] Hesser CM. **Lakartidningen** 1981 Sep 16;78(38):3271–4 (Eng. Abstr.) **(Swe)**

DIVORCE

Parental loss and reported childhood stress in young women who attempt suicide. Goldney RD. **Acta Psychiatr Scand** 1981 Jul;64(1):34–

Before the judge: the child-custody evaluation. Haller LH. **Adolesc Psychiatry** 1981;9:142–64

Observations on adolescent relationships five years after divorce. Kelly JB. **Adolesc Psychiatry** 1981;9:133–41

Divorce and children and adolescents: an overview. Schwartzberg AZ. **Adolesc Psychiatry** 1981;9:119–32 (29 ref.)

A preventive program for the newly separated: initial evaluation. Bloom BL, et al. **Am J Community Psychol** 1982 Jun;10(3):251–64

Family social support in crises: the special case of divorce. Kitson GC, et al. **Am J Orthopsychiatry** 1982 Jan; 52(1):161–5

An integrative perspective on children's divorce adjustment. Kurdek LA. **Am Psychol** 1981 Aug;36(8):856–66

Mass hysteria among schoolchildren. Early loss as a predisposing factor. Small GW, et al. **Arch Gen Psychiatry** 1982 Jun;39(6):721–4

Infidelity, separation, and divorce. Bartusis MA. **Curr Psychiatr Ther** 1981;20:95–101

Dissolution of first unions in Colombia, Panama, and Peru. Goldman N. **Demography** 1981 Nov;18(4):659–79

A Closeness to Divorce Scale for wives of alcoholics. O'Farrell TJ, et al. **Drug Alcohol Depend** 1981 Jul; 7(4):319–24

Helping mom fail: a case of a stalemated divorcing process. Isaacs MB. **Fam Process** 1982 Jun;21(2):225–34

When children from divorced families are hospitalized: issues for staff. Ahrons CR, et al. **Health Soc Work** 1981 Aug; 6(3):21–8

Aggressive behavior in normal and deviant members of intact versus mother-only families. Horne AM. **J Abnorm Child Psychol** 1981 Jun;9(2):283–90

The half-alive ones. Seligman E. **J Anal Psychol** 1982 Jan; 27(1):1–20

The influence of stress upon symptom structure. Chiriboga DA, et al. **J Clin Psychol** 1981 Oct;37(4):722–8

Adaptation to marital separation in later and earlier life. Chiriboga DA. **J Gerontol** 1982 Jan;37(1):109–14

Divorce support groups in military settings. Hamlin ER 2d, et al. **Milit Med** 1982 May;147(5):387–90

Divorce—impact on children [letter] **N Engl J Med** 1981 Dec 10;305(24):1477–8

Marital stability and congenital heart disease. Silbert AR, et al. **Pediatrics** 1982 Jun;69(6):747–50

The child as patient: assessing the effects of family stress and disruption on the mental health of the child. Critchley DL. **Perspect Psychiatr Care** 1981 Sep–Dec;19(5–6):144–55

Joint custody after divorce: major issues and goals for research. Clingempeel WG, et al. **Psychol Bull** 1982 Jan; 91(1):102–27

An emerging contingency, the stepfamily: review of literature. Miller MJ, et al. **Psychol Rep** 1982 Jun;50(3 Pt 1):715–22

Drug use in separated/divorced persons. Gender, parental status, and socio-economic status. Ambert AM. **Soc Sci Med** 1982;16(9):971–6

[Psychiatric disorders in divorced people. Therapy and prevention] Bojanovsky J. **Fortschr Med** 1982 Feb 25; 100(8):295–7 **(Ger)**

[Expert opinion on the psychiatric status of children in divorce proceedings] Constam E, et al. **Schweiz Med Wochenschr** 1982 Feb 20;112(8):276–81 (Eng. Abstr.) **(Ger)**

[Conjugal conflicts. Medico-legal aspects] Scripcaru G, et al. **Rev Med Chir Soc Med Nat Iasi** 1981 Apr-Jun; 85(2):283–8 **(Rum)**

LEGISLATION & JURISPRUDENCE

Child psychiatric advice to legal authorities concerning custody and post-divorce visiting rights. Results of collaboration of lawyers and child psychiatrists over a 2-year period. Brun G, et al. **Acta Psychiatr Scand** 1981 Apr;63(4):384–95

Attorneys as caregivers during divorce. Felner RD, et al. **Am J Orthopsychiatry** 1982 Apr;52(2):323–6

Does joint custody work? A first look at outcome data of relitigation. Ilfeld FW Jr, et al. **Am J Psychiatry** 1982 Jan; 139(1):62–6

TRENDS

[Various factors and conditions in divorce] Löffler A. **Z Gesamte Hyg** 1981 Jul 7;27(7):535–9 (Eng. Abstr.) **(Ger)**

DIZZINESS

COMPLICATIONS

[Neurotic dizziness and activity phobia] Silfverskiöld B. **Nord Med** 1981 Dec;96(12):316–7 **(Swe)**

DIAGNOSIS

Geriatric neurology for the otolaryngologist. Stuart WH. **Otolaryngol Clin North Am** 1982 May;15(2):329–51

[Vertigo and dizzyness : a clinical approach (author's transl)] Gérard JM. **Rev Med Brux** 1981 Oct;2(8):747–50 **(Fre)**

[Legal aspects of dizziness following craniocerebral injuries] Moser M. **Fortschr Med** 1981 Apr 9;99(14):505–10 (Eng. Abstr.) **(Ger)**

ETIOLOGY

Poststapedectomy dizziness. A histopathologic report. Belal

A Jr, et al. **Am J Otol** 1982 Jan;3(3):187-91
Dizziness after head trauma: clinical and morphologic findings. Ylikoski J, et al. **Am J Otol** 1982 Apr;3(4):343-52
Sinusoidal harmonic acceleration labyrinthine test: clinical experience. Simpson RA.
Ann Otol Rhinol Laryngol [Suppl] 1981 Jul-Aug;90(4 Pt 3 Suppl 86):26-8
Cardiac rhythm abnormalities in patients presenting with transient non-focal neurological symptoms: a diagnostic grey area? de Bono DP, et al. **Br Med J [Clin Res]** 1982 May 15;284(6327):1437-9
Vertebro-basilar insufficiency and the ENT surgeon, with an approach to the giddy patient. Blau JN, et al.
Clin Otolaryngol 1981 Feb;6(1):73-8
An evaluation of falls, syncope, and dizziness by prolonged ambulatory cardiographic monitoring in a geriatric institutional setting. Gordon M, et al. **J Am Geriatr Soc** 1982 Jan;30(1):6-12
[Practical angiology, Part 2. Dizziness attacks in manual labor] Marshall M. **MMW** 1982 Feb 26;124(8):100 **(Ger)**
[Dizziness: A typical disorder of old age] Brune GG, et al. **ZFA (Stuttgart)** 1982 Jun 20;58(17):935-9 **(Ger)**
[Dizziness from an otological viewpoint] Hülse M.
ZFA (Stuttgart) 1982 Mar 31;58(9):498-502 **(Ger)**

PHYSIOPATHOLOGY

About teaching otoneurology. Barber HO. **J Otolaryngol** 1982 Jun;11(3):141-7
[Dizziness and the high cervical syndrome. Clinical picture, diagnosis and therapy] Wolff HD. **ZFA (Stuttgart)** 1982 Mar 31;58(9):509-15 **(Ger)**

DJUNGARIAN see **HAMSTERS**

DMF INDEX

Interim report on DMF-reduction 16 years after the introduction of a preventive program. Marthaler TM.
Community Dent Oral Epidemiol 1981 Oct;9(5):210-4
Preliminary investigation of the relationship between population DMFT scores and mix of restorative and exodontic needs. Spencer AJ.
Community Dent Oral Epidemiol 1981 Oct;9(5):215-8
[Caries and orthodontic problems at the age of 6 in our region] Limme M, et al. **Rev Belge Med Dent** 1982 Jan; 37(1):20-3 **(Fre)**
[The effect of social class on caries incidence degree of hygiene and oral hygiene in adolescents] Pieper K, et al. **Dtsch Zahnarztl Z** 1981 Jun;36(6):376-8 (Eng. Abstr.) **(Ger)**
[Cariologic and periodontal screening of children between 6 and 14 years of age in Budapest] Bodoki I, et al.
Fogorv Sz 1981 Jul;74(7):215-8 (Eng. Abstr.) **(Hun)**
[Longitudinal studies by enamel biopsy in a group of girls in a boarding school] Fejérdy P, et al. **Fogorv Sz** 1981; 74(5):141-3 (Eng. Abstr.) **(Hun)**
[3-year results of fluoride therapy by mouth rinsing in nursery school children at Baja] Hanzély B. **Fogorv Sz** 1982 Apr;75(4):103-7 (Eng. Abstr.) **(Hun)**
[Survey of missing and restored teeth in the 50-59 age group at the Obuda Shipyard. II. Fixed restorations] Kóbor A, et al. **Fogorv Sz** 1981 Dec;74(12):362-6 (Eng. Abstr.) **(Hun)**
[Survey of edentulousness and dental restoration in the 50-57 year age group among workers of the Obuda Shipyard. I. Attendance to the dental clinic, registration of missing teeth, prosthodontic index] Toth P, et al. **Fogorv Sz** 1981 Jul;74(7):197-200 (Eng. Abstr.) **(Hun)**
[Results of a 2-year longitudinal study on nursery school-children drinking fluoridated milk] Zimmermann P, et al. **Fogorv Sz** 1982 Mar;75(3):81-7 **(Hun)**
[Dental enamel solubility studies in a group of secondary-school-age girls] Fejérdy P, et al. **Orv Hetil** 1981 Aug 30;122(35):2147-9 **(Hun)**
[Epidemiological studies of dental caries in the school population of a mountain district] Resta G, et al.
Minerva Stomatol 1981 Jul-Aug;30(4):289-98 **(Ita)**

DMPP see under **PIPERAZINES**

DMSO see **DIMETHYL SULFOXIDE**

DNA

see related
GENETIC CODE
NUCLEIC ACID DENATURATION
NUCLEIC ACID HYBRIDIZATION
REPETITIVE SEQUENCES, NUCLEIC ACID

Outlines of the Feulgen acid hydrolysis. Kjelstrand P.
Acta Histochem [Suppl] (Jena) 1979;20:37-9
A single-beam microspectrophotometer suitable for investigating the linear dichroism of DNA-drug fibers. Dougherty G. **Anal Biochem** 1981 Jul 15;115(1):52-7
Improvements of DNA sequencing gels. Garoff H, et al.
Anal Biochem 1981 Aug;115(2):450-7
Use of solubilizable acrylamide disulfide gels for isolation of DNA fragments suitable for sequence analysis. Hansen JN. **Anal Biochem** 1981 Sep 1;116(1):146-51
Selective removal of histone H1 from chromatin at low salt concentration. Marekov LN, et al. **Anal Biochem** 1981 Jul 15;115(1):93-6
A computer program for the calculation of sedimentation coefficients and molecular weights of nucleic acids. Young BD, et al. **Anal Biochem** 1981 Jul 15;115(1):97-101
Rat preprorelaxin: complete amino acid sequence derived from cDNA analysis. Niall H, et al. **Ann NY Acad Sci** 1982;380:13-21
The three-dimensional structure of DNA. Zimmerman SB.
Annu Rev Biochem 1982;51:395-427 (195 ref.)
High pressure effects on proteins and other biomolecules. Heremans K. **Annu Rev Biophys Bioeng** 1982;2:1-21 (133 ref.)
Repeated DNA sequences and kangaroo phylogeny. Peacock WJ, et al. **Aust J Biol Sci** 1981;34(3):325-40
Iron . bleomycin . DNA system evidence of a long-lived bleomycin . iron . oxygen intermediate. Albertini JP, et al. **Biochem Biophys Res Commun** 1982 Jan 29; 104(2):557-63
An ethidium ion selective electrode and its application to DNA-ethidium binding. Blanton TN, et al.
Biochem Biophys Res Commun 1981 Sep 16;102(1):219-25
Comparison of the interaction of cis- and trans-diamminedichloroplatinum(II) with DNA by a simple filter binding assay. Eastman A.
Biochem Biophys Res Commun 1982 Apr 14;105(3):869-75
Conformation and Fourier transform of an exact side-by-side molecular model of B-DNA. Premilat S, et al.
Biochem Biophys Res Commun 1982 Jan 15;104(1):22-9
N-2-Acetylaminofluorene modification of poly(dG-m5dC) . poly(dG-m5dC) induces the Z-DNA conformation. Santella RM, et al. **Biochem Biophys Res Commun** 1982 Jun 30;106(4):1226-32
Limited digestion of RNA polymerase from Escherichia coli by trypsin (effect of rifamycin and DNA on the integrity of sigma subunit). Sarma MH, et al.
Biochem Biophys Res Commun 1982 May 31;106(2):663-70
On the mechanism of hydrogen peroxide-, superoxide-, and ultraviolet light-induced DNA cleavages of inactive bleomycin-iron (III) complex. Sugiura Y, et al.
Biochem Biophys Res Commun 1982 Apr 29;105(4):1511-8
Terbium as a new probe to detect G+C content of DNA. Cavatorta P, et al. **Biochem Exp Biol** 1980;16(4):365-9
Binding of quinoline analogues of echinomycin to deoxyribonucleic acid. Role of the chromophores. Fox KR, et al. **Biochem J** 1980 Dec 1;191(3):729-42
Immobilization of DNA for affinity chromatography and drug-binding studies. Macdougall AJ, et al. **Biochem J** 1980 Dec 1;191(3):855-8
Mechanism of action of antitumor 3-(2-haloethyl) aryltriazenes on deoxyribonucleic acid. Lown JW, et al. **Biochem Pharmacol** 1982 Apr 1;31(7):1257-66
lac Repressor: a proton magnetic resonance look at the deoxyribonucleic acid binding fragment. Arndt KT, et al. **Biochemistry** 1981 Oct 13;20(21):6109-18
Effect of deoxyribonucleic acid on the production of reduced oxygen by bleomycin and iron. Caspary WJ, et al.
Biochemistry 1982 Jan 19;21(2):334-8
Electric dichroism of deoxyribonucleic acid in aqueous solutions: electric field dependence. Charney E, et al.
Biochemistry 1982 Mar 2;21(5):834-42
Circular dichroism spectral properties of covalent complexes of deoxyribonucleic acid and n-butylamine. Chen C, et al. **Biochemistry** 1981 Aug 18;20(17):4987-95
Interactions of poly (N epsilon , N epsilon , N epsilon ,-trimethyllysine) and poly(lysine) with polynucleotides: circular dichroism and A-T sequence selectivity. Granados EN, et al. **Biochemistry** 1981 Aug 4;20(16):4761-5
Optical model studies of salt-induced conformational transitions in the nucleosome. Harrington RE.
Biochemistry 1982 Mar 16;21(6):1177-86
Psoralen-deoxyribonucleic acid photoreaction. Characterization of the monoaddition products from 8-methoxypsoralen and 4,5'8-trimethylpsoralen. Kanne D, et al. **Biochemistry** 1982 Mar 2;21(5):861-71
Molecular mechanisms of binding and single-strand scission of deoxyribonucleic acid by the antitumor antibiotics saframycins A and C. Lown JW, et al. **Biochemistry** 1982 Feb 2;21(3):419-28
Characterization of in vitro deoxyribonucleic acid breakage and cross-linking induced by bis-isopropylamine)-trans-dihydroxy-cis-dichloroplatinu Mong S, et al. **Biochemistry** 1982 Jun 22;21(13):3174-80
Interspersion of mouse satellite deoxyribonucleic acid sequences. Stambrook PJ. **Biochemistry** 1981 Jul 21; 20(15):4393-8
Interaction of aromatic imides with deoxyribonucleic acid. Spectrophotometric and viscometric studies. Yen SF, et al. **Biochemistry** 1982 Apr 27;21(9):2070-6
Equilibrium and kinetic studies on the binding of des-N-tetramethyltriostin A to DNA. Fox KR, et al.
Biochim Biophys Acta 1982 Mar 29;696(3):315-22
Analysis of foldback sequences and repetitive sequences in cloned segments of nuclear DNA from Physarum polycephalum. McLachlan A, et al.
Biochim Biophys Acta 1982 Apr 26;697(1):89-100
Physical association modeling of DNA alkylation. Some DNA conformational aspects. Pearlstein RA, et al.
Biochim Biophys Acta 1981 Oct 27;655(3):432-45
The conformation and orientation of copper (II)-bleomycin intercalated with DNA. Shields H, et al.
Biochim Biophys Acta 1982 Apr 26;697(1):113-20
Alignment of partially denatured DNA molecules. Van Dijken MC, et al. **Biochim Biophys Acta** 1981 Jun 26; 654(1):102-10
Determination of 5-methylcytosine from plant DNA by high-performance liquid chromatography. Wagner I, et al.
Biochim Biophys Acta 1981 Jun 26;654(1):52-6
Pisum sativum endonuclease. Studies on substrate specificity and possible use as a biochemical tool. Wani AA, et al.
Biochim Biophys Acta 1981 Oct 27;655(3):396-406
The hierarchical approach to the DNA stability problem. I. Patterns in non-equilibrium denaturation and renaturation. Gabarro-Arpa J, et al. **Biochimie** 1982 Feb; 64(2):99-112
Spectroscopic study of the dar interaction and of the photoreaction between a new monofunctional psoralen: 3-carbethoxy psoralen, and DNA. Gaborieau F, et al.
Biochimie 1981 Nov-Dec;63(11-12):899-905
Association kinetics with coupled three- and one-dimensional diffusion. Chain-length dependence of the association rate of specific DNA sites. Berg OG, et al.
Biophys Chem 1982 Apr;15(1):41-51
Electric properties and structure of DNA-restriction fragments from measurements of the electric dichroism. Diekmann S, et al. **Biophys Chem** 1982 May;15(2):157-67
The interaction between prothidium dibromide and DNA at the molecular level. Dougherty G, et al.
Biophys Chem 1982 Apr;15(1):27-40
A thermodynamic view of polymer degradation, and its application to extensive sonication of DNA. Hall AB, et al. **Biophys Chem** 1981 Aug;13(4):275-81
The pH-dependent structure of calf thymus DNA studied by Raman spectroscopy. O'Connor T, et al.
Biophys Chem 1982 Apr;15(1):53-64
Heavy metal-nucleotide interactions. 15. Reactions of calf thymus DNA with the electrophiles methylmercury(II) nitrate, cis-dichlorodiammineplatinum(II), and trans-dichlorodiammineplatinum(II) studied using Raman difference spectroscopy. Evidence for the formation of C-DNA upon metalation. O'Connor T, et al.
Biophys Chem 1982 Jun;15(3):223-34
The reaction of aromatic peptides with double helical DNA. Quantitative characterisation of a two step reaction scheme. Pörschke D, et al. **Biophys Chem** 1981 Aug;13(4):283-90
Epi-illumination optical design for fluorescence polarization measurements in flow systems. Eisert WG, et al.
Biophys J 1980 Jul;31(1):97-112
Conformational characteristics of the dimeric subunits of DNA from energy minimization studies. Mixed sugar-puckered dApdA, dApdT, dTpdA, and dTpdT. Ponnuswamy PK, et al. **Biophys J** 1981 Sep;35(3):731-52
Resonant and localized breathing modes in terminal regions of the DNA double helix. Putnam BF, et al. **Biophys J** 1981 Aug;35(2):271-87
NMR relaxation in DNA. I. The contribution of torsional deformation modes of the elastic filament. Allison SA, et al. **Biopolymers** 1982 Apr;21(4):729-62
Thermodynamics and equilibrium sedimentation analysis of the close approach of DNA molecules and a molecular ordering transition. Brian AA, et al. **Biopolymers** 1981 Jun; 20(6):1305-28
Simulations of the solvent structure for macromolecules. III. Determination of the Na+ counter ion structure. Clementi E, et al. **Biopolymers** 1982 Apr;21(4):763-77
Ionic strength effects on macroion diffusion and excess light-scattering intensities of short DNA rods. Fulmer AW, et al. **Biopolymers** 1981 Jun;20(6):1147-59
Interactions of DNA with divalent metal ions. III. Extent of metal binding: experiment and theory. Granot J, et al.
Biopolymers 1982 Jan;21(1):219-32
Interactions of DNA with divalent metal ions. I. 31P-NMR studies. Granot J, et al. **Biopolymers** 1982 Jan;21(1):181-201
Interactions of DNA with divalent metal ions. II. Proton relaxation enhancement studies. Granc. J, et al.
Biopolymers 1982 Jan;21(1):203-18
Condensed states of nucleic acids. III. psi(+) and psi(-) conformational transitions of DNA induced by ethanol and salt. Huey R, et al. **Biopolymers** 1981 Dec;20(12):2533-52
Studies of nucleotide conformations and interactions. The relative stabilities of double-helical B-DNA sequence isomers. Kollman PA, et al. **Biopolymers** 1981 Dec; 20(12):2583-621
Changes in raman vibrational bands of calf thymus DNA during the B-to-A transition. Martin JC, et al.
Biopolymers 1982 Mar;21(3):499-512
Interactions of molecules with nucleic acids. VI. Computer design of chromophoric intercalating agents. Miller KJ, et al. **Biopolymers** 1982 Mar;21(3):633-52
Quantitative test of record's theory for proton-induced lowering of DNA melting temperature. Mingot F.
Biopolymers 1981 Oct;20(10):2121-36
Fluoroquinacrine binding to nucleic acids: investigation of the 19F-NMR, optical, and fluorescence properties in the presence of DNA, poly(A), and tRNA. Mirau PA, et al.
Biopolymers 1982 May;21(5):909-21
25Mg-NMR investigations of the magnesium ion-DNA interaction. Rose DM, et al. **Biopolymers** 1982 Mar; 21(3):653-64
Chromatin structure studied by linear dichroism at different salt concentrations. Tjerneld F, et al. **Biopolymers** 1982 Feb;21(2):343-58
Factors affecting the kinetics of DNA reassociation in phenol-water emulsion at high DNA concentrations. Wieder R, et al. **Biopolymers** 1982 Mar;21(3):665-77
Free-sliding ligands: an alternative model of DNA-protein

interactions. Woodbury CP Jr. **Biopolymers** 1981 Oct; 20(10):2225–41

Characterization of Alu family repetitive sequences which flank human beta-type globin genes. Coggins LW, et al. **Biosci Rep** 1981 Apr;1(4):309–17

DNA sequencing and gene structure Nobel lecture, 8 December 1980. Gilbert W. **Biosci Rep** 1981 May; 1(5):353–75 (36 ref.)

Effect of alkylation on the secondary structure of DNA. Rizvi RY, et al. **Biosci Rep** 1982 May;2(5):315–22

Human diseases characterized by heritable DNA instability. Carter DM. **Birth Defects** 1981;17(2):117–28 (50 ref.)

Direct effect of diagnostic ultrasound on genetically interesting molecules: a theoretical model. Ciatti S, et al. **Br J Cancer [Suppl]** 1982 Mar;45(5):199–201

O6-alkylguanine and structural modifications in liver DNA of dialkylnitrosamine-treated rats. Den Engelse L, et al. **Cancer Lett** 1981 Aug;13(3):219–25

Studies of DNA damage in rat pancreas and liver by 6-diazo-5-oxo-L-norleucine, ethyl diazoacetate and azaserine. Lilja HS, et al. **Cancer Lett** 1981 Mar; 12(1–2):139–46

Studies of pancreatic nodule induction and DNA damage by D-azaserine. Zurlo J, et al. **Cancer Lett** 1981 Mar; 12(1–2):75–80

Promotion of carcinomas by repeated abrasion in initiated skin of mice. Argyris TS, et al. **Cancer Res** 1981 Dec;41(12 Pt 1):5193–5

Measurements by filter elution of DNA single- and double-strand breaks in rat hepatocytes: effects of nitrosamines and gamma-irradiation. Bradley MO, et al. **Cancer Res** 1982 Jul;42(7):2592–7

Selective phagocytosis of crystalline metal sulfide particles and DNA strand breaks as a mechanism for the induction of cellular transformation. Costa M, et al. **Cancer Res** 1982 Jul;42(7):2757–63

Susceptibility of Fanconi's anemia lymphoblasts to DNA-cross-linking and alkylating agents. Ishida R, et al. **Cancer Res** 1982 Oct;42(10):4000–6

Comparison of the sequences at specific sites on DNA cleaved by the antitumor antibiotics talisomycin and bleomycin. Mirabelli CK, et al. **Cancer Res** 1982 Apr; 42(4):1399–404

Mechanism of interaction of CC-1065 (NSC 298223) with DNA. Swenson DH, et al. **Cancer Res** 1982 Jul; 42(7):2821–8

Formation of the cross-link 1-[N3-deoxycytidyl),2-[N1-deoxyguanosinyl]ethane in DNA treated with N,N'-bis(2-chloroethyl)-N-nitrosourea. Tong WP, et al. **Cancer Res** 1982 Aug;42(8):3102–5

Cytotoxicity and DNA strand breaks by 5-iminodaunorubicin in mouse leukemia L1210 cells: comparison with adriamycin and 4'-(9-acridinylamino)methanesulfon-m-anisidide. Zwelling LA, et al. **Cancer Res** 1982 Jul;42(7):2687–91

Quandtitative correlation among DNA damaging potency of six N-nitroso compounds and their potency in inducing tumor growth an bacterial mutations. Brambilla G, et al. **Carcinogenesis** 1981;2(5):425–9

The reaction of beta-propiolactone with derivatives of adenine and with DNA. Chen R, et al. **Carcinogenesis** 1981; 2(2):73–80

In vitro enzymatic recognition of DNA modified by O,O'-diacetyl or O-acetyl derivatives of the carcinogen 4-hydroxyaminoquinoline-1-oxide. Galiègue S, et al. **Carcinogenesis** 1982;3(4):435–8

Formation of macromolecular complexes and other effects of DNA treatment with diethyl and dimethyl sulfate: physico-chemical and electron microscopic studies. Kubinski H, et al. **Carcinogenesis** 1981;2(10):981–90

Minor products from the reaction of (+) and (–) benzo[a]-pyrene-anti-diolepoxide with DNA. Osborne MR, et al. **Carcinogenesis** 1981;2(6):553–8

Rapid release of carcinogen-guanine adducts from DNA after reaction with N-acetoxy-2-acetylaminofluorene or N-benzoyloxy-N-methyl-4-aminoazobenzene. Tarpley WG, et al. **Carcinogenesis** 1982;3(1):81–8

DNA choreography. Cantor CR. **Cell** 1981 Aug;25(2):293–5 (13 ref.)

DNA backbone conformation in AAF modified dCpdG: variable conformational modes of achieving base displacement. Broyde S, et al. **Chem Biol Interact** 1982 May;40(1):113–9

1H-NMR lifetimes of cytosine interactions with the DNA melting probe, methylmercury. McConnell B, et al. **Chem Biol Interact** 1982 Apr;39(3):351–62

Formation of 6-dimethylcarbamyloxy-dGuo, 6-dimethylamino-dGuo and 4-dimethylamino-dThd following in vitro reaction of dimethylcarbamyl chloride with calf thymus DNA and 6-diethylcarbamyloxy-dGuo following in vitro reaction of diethylcarbamyl chloride with calf thymus DNA. Segal A, et al. **Chem Biol Interact** 1982 Jun;40(2):209–31

Structure and distribution of inverted repeats (Palindromes). I. Analysis of DNA of Drosophila melanogaster. Biezunski N. **Chromosoma** 1981;84(1):87–109

Structure and distribution of inverted repeats (palindromes). II. Analysis of DNA of the mouse. Biezunski N. **Chromosoma** 1981;84(1):111–29

Computer programming for nucleic acid studies. II. Total chemical shifts calculation of all protons of double-stranded helices. Giessner-Prettre C, et al. **Comput Programs Biomed** 1981 Sep-Dec;13(3–4):167–83

Computer support of DNA sequence analysis. Osterburg G, et al. **Comput Programs Biomed** 1981 Mar-Jun; 13(1–2):101–9

DNA strand breakage after kidney storage. Lazarus HM, et al. **Cryobiology** 1982 Apr;19(2):129–35

Restriction map of poliovirus type 2 cDNA. Kopecka H, et al. **Dev Biol Stand** 1981;50:301–9

Helical periodicity of DNA, Poly(dA) . poly(dT) and poly(dA-dT). poly(dA-dT) in solution. Strauss F, et al. **Eur J Biochem** 1981 Aug;118(2):215–22

Restriction enzyme studies on human highly repeated DNAs. Corneo G, et al. **Experientia** 1982 Apr 15;38(4):454–7

Atypical base composition of foldback DNA. Lee DH, et al. **Experientia** 1982 Mar 15;38(3):344–6

Fluorescence polarization study of the interaction of biopolymers with liposomes. Gruzdev AD, et al. **FEBS Lett** 1982 Jan 25;137(2):227–30

A new restriction endonuclease BcnI from Bacillus centrosporus RFL 1. Janulaitis AA, et al. **FEBS Lett** 1982 Jan 25;137(2):178–80

The use of diethylpyrocarbonate for sequencing adenines and guanines in DNA. Krayev AS. **FEBS Lett** 1981 Jul 20; 130(1):19–22

The effects of countercation screening on the electrostatic potential of DNA. The rôle of the nucleic acid conformation. Lavery R, et al. **FEBS Lett** 1982 Jun 7; 142(2):271–4

Primary structure of the histone H3 and H4 genes and their flanking sequences in a minor histone gene cluster of Xenopus laevis. Moorman AF, et al. **FEBS Lett** 1981 Dec 21;136(1):45–52

Specific suppression of depurination at deoxyguanylate residues by silver ions: a useful reaction for the identification of deoxyadenylate residues in DNA. Pulleyblank DE. **FEBS Lett** 1982 Mar 22;139(2):276–8

Remarks of DNA asymmetry. Górski F. **Folia Biol (Krakow)** 1981;29(3–4):172–5

Molecular cloning of cDNA sequences transcribed from mouse liver endoplasmic reticulum poly(A)mRNA. Clissold PM, et al. **Gene** 1981 Nov;15(2–3):225–35

Nucleotide-sequence heterogeneity and sequence rearrangements in influenza virus cDNA. Fields S, et al. **Gene** 1981 Nov;15(2–3):207–14

Molecular mechanisms of nucleotide-sequence rearrangements in cDNA clones of human fibroblast interferon mRNA. Volckaert G, et al. **Gene** 1981 Nov; 15(2–3):215–23

Statistical dosimetry of radiation to oocytes from DNA-bound tritium. Slatkin DN, et al. **Health Phys** 1982 Jan;42(1):77–80

Specificity in protein-nucleic acid interaction: involvement of nucleic acids in non-enzymatic peptide condensation. Basu HS, et al. **Indian J Biochem Biophys** 1981 Aug; 18(4):251–3

Interaction of berberine chloride with naturally occurring deoxyribonucleic acids. Maiti M, et al. **Indian J Biochem Biophys** 1981 Aug;18(4):245–50

Thermal transition of DNA in presence of aromatic polycationic ionen. Mulimani VH, et al. **Indian J Biochem Biophys** 1981 Apr;18(2):157–8

Comparative study of repetitive DNA in Phaseolus. Seshadri M, et al. **Indian J Biochem Biophys** 1981 Aug;18(4):254–8

Electron microscopy of DNA-H1 complex. Sinha M, et al. **Indian J Biochem Biophys** 1981 Aug;18(4):272–5

Spin-labelling of DNA with hydrazine mustard spin label (HMSL). Raikova E, et al. **Int J Biochem** 1982;14(1):41–6

Structure of tomaymycin, a DNA binding antitumor antibiotic. Arora SK. **J Antibiot (Tokyo)** 1981 Apr; 34(4):462–4

Fluorospectrometric studies on neothramycin and its reaction with DNA. Maruyama IN, et al. **J Antibiot (Tokyo)** 1981 Apr;34(4):427–35

A possible role by bithiazoles of bleomycin in causing double-strand scission of DNA. Okubo H, et al. **J Antibiot (Tokyo)** 1981 Sep;34(9):1213–5

Interaction of bleomycin with nucleic acids as probed by ESR spectrometry of iron(II)-nitrosyl complex of bleomycin. Sugiura Y, et al. **J Antibiot (Tokyo)** 1981 Feb; 34(2):249–51

Prospects and difficulties in the far- and vacuum-ultraviolet spectroscopy of DNA. Földvári I, et al. **J Biochem Biophys Methods** 1982 Feb;5(6):319–27

Nucleotide sequence of calf prorennin cDNA cloned in Escherichia coli. Nishimori K, et al. **J Biochem (Tokyo)** 1982 Mar;91(3):1085–8

Restriction map of double-stranded DNA copy synthesized from poliovirus Sabin 1 RNA. Nomoto A, et al. **J Biochem (Tokyo)** 1982 May;91(5):1593–600

Activated bleomycin. A transient complex of drug, iron, and oxygen that degrades DNA. Burger RM, et al. **J Biol Chem** 1981 Nov 25;256(22):11636–44

Distribution and specificity of sequences in polyadenylated nuclear RNA of normal, regenerating, and neoplastic liver. Fausto N, et al. **J Biol Chem** 1982 Mar 10;257(5):2200–6

alpha Subunit of rat pituitary glycoprotein hormones. Primary structure of the precursor determined from the nucleotide sequence of cloned cDNAs. Godine JE, et al. **J Biol Chem** 1982 Jul 25;257(14):8368–71

Evidence for two-site binding in the terbium(iii)-nucleic acid interaction. Gross DS, et al. **J Biol Chem** 1981 Sep 25; 256(18):9593–8

Left-handed DNA. Cloning, characterization, and instability of inserts containing different lengths of (dC-dG) in Escherichia coli. Klysik J, et al. **J Biol Chem** 1982 Sep 10;257(17):10152–8

Carbon 13 spin-lattice relaxation, linewidth, and nuclear Overhauser enhancement measurements of nucleosome length DNA. Levy GC, et al. **J Biol Chem** 1981 Oct 10; 256(19):9986–9

The nucleotide and amino acid coding sequence of a gene for H1 histone that interacts with euchromatin. The early embryonic H1 gene of the sea urchin Strongylocentrotus purpuratus. Levy S, et al. **J Biol Chem** 1982 Aug 25; 257(16):9438–43

Characterization of reversible, physical binding of benzo[a]pyrene derivatives to DNA. Meehan T, et al. **J Biol Chem** 1982 Sep 10;257(17):10479–85

The structure of cloned DNA complementary to catfish pancreatic somatostatin-14 messenger RNA. Minth CD, et al. **J Biol Chem** 1982 Sep 10;257(17):10372–7

A simple, efficient method for coupling DNA to cellulose. Development of the method and application to mRNA purification. Moss LG, et al. **J Biol Chem** 1981 Dec 25; 256(24):12655–8

Poly(ADP-ribose) synthetase. The DNA binding domain and the automodification domain. Nishikimi M, et al. **J Biol Chem** 1982 Jun 10;257(11):6102–5

Nucleotide sequence specificity of DNA cleavage by iron-bleomycin. Alteration on ethidium bromide-, actinomycin-, and distamycin-intercalated DNA. Sugiura Y, et al. **J Biol Chem** 1982 Sep 25;257(18):10544–6

Conditions which cause the right-handed to left-handed DNA conformational transitions. Evidence for several types of left-handed DNA structures in solution. Zacharias W, et al. **J Biol Chem** 1982 Mar 25;257(6):2775–82

A model for the structure of chromatin in mammalian sperm. Balhorn R. **J Cell Biol** 1982 May;93(2):298–305

Tandemly repeated C-C-C-C-A-A hexanucleotide of Tetrahymena rDNA is present elsewhere in the genome and may be related to the alteration of the somatic genome. Yao MC, et al. **J Cell Biol** 1981 Aug;90(2):515–20

Elimination of specific DNA sequences from the somatic nucleus of the ciliate Tetrahymena. Yao MC. **J Cell Biol** 1982 Mar;92(3):783–9

Structure of the chloroplast and its DNA in chloromonadophycean algae. Coleman AW, et al. **J Cell Sci** 1981 Jun;49:401–9

Iron--dioxygen-dependent changes to the biological activities of bleomycin. Gutteridge JM, et al. **J Inorg Biochem** 1981 Dec;15(4):349–57

Theoretical analysis of competitive conformational transitions in torsionally stressed DNA. Benham CJ. **J Mol Biol** 1981 Jul 25;150(1):43–68

Determination of pyrimidine dimer unwinding angle by measurement of DNA electrophoretic mobility. Ciarrocchi G, et al. **J Mol Biol** 1982 Feb 25;155(2):177–83

Theoretical aspects of specific and non-specific equilibrium binding of proteins to DNA as studied by the nitrocellulose filter binding assay. Co-operative and non-co-operative binding to a one-dimensional lattice. Clore GM, et al. **J Mol Biol** 1982 Mar 15;155(4):447–66

Characterization of complexes between recA protein and duplex DNA by electron microscopy. Di Capua E, et al. **J Mol Biol** 1982 May 5;157(1):87–103

Structure of a B-DNA dodecamer. II. Influence of base sequence on helix structure. Dickerson RE, et al. **J Mol Biol** 1981 Jul 15;149(4):761–86

Dynamics of B-DNA in the solid state. DiVerdi JA, et al. **J Mol Biol** 1981 Jun 25;149(2):307–11

Conformation and dynamics in a Z-DNA tetramer. Drew HR, et al. **J Mol Biol** 1981 Nov 15;152(4):723–36

Structure of a B-DNA dodecamer. III. Geometry of hydration. Drew HR, et al. **J Mol Biol** 1981 Sep 25; 151(3):535–56

Ribosomal DNA of Caenorhabditis elegans. Files JG, et al. **J Mol Biol** 1981 Jun 25;149(2):223–40

Integration and transcription of group C human adenovirus sequences in the DNA of five lines of transformed rat cells. Green M, et al. **J Mol Biol** 1981 Sep 25;151(3):337–66

Crystallization and preliminary crystallographic investigation of a DNA-RNA hybrid. Holbrook SR, et al. **J Mol Biol** 1981 Dec 15;153(3):837–40

Sequence homology near the center of the extrachromosomal rDNA palindrome in Tetrahymena. Kan NC, et al. **J Mol Biol** 1981 Dec 25;153(4):1151–5

Extensive regions of homology in front of the two hsp70 heat shock variant genes in Drosophila melanogaster. Karch F, et al. **J Mol Biol** 1981 May 25;148(3):219–30

Evidence for two levels of DNA folding in histone-depleted HeLa interphase nuclei. Lebkowski JS, et al. **J Mol Biol** 1982 Apr 5;156(2):309–24

Non-histone proteins and long-range organization of HeLa interphase DNA. Lebkowski JS, et al. **J Mol Biol** 1982 Apr 5;156(2):325–44

Sequence-dependent variation in the conformation of DNA. Lomonossoff GP, et al. **J Mol Biol** 1981 Jul 15; 149(4):745–60

Organization of African green monkey DNA at junctions between alpha-satellite and other DNA sequences. McCutchan T, et al. **J Mol Biol** 1982 May 15; 157(2):195–211

The dimensions of DNA in solution. Mandelkern M, et al. **J Mol Biol** 1981 Oct 15;152(1):153–61

Evolutionary implications of a complex pattern of DNA sequence homology extending far upstream of the hsp70 genes at loci 87A7 and 87C1 in Drosophila melanogaster. Mason PJ, et al. **J Mol Biol** 1982 Mar 25;156(1):21–35

Light microscopic structure of DNA in solution studied by the 4',6–diamidino–2–phenylindole staining method. Matsumoto S, et al. **J Mol Biol** 1981 Oct 25;152(2):501–16

An alternative view of mammalian DNA sequence organization. I. Repetitive sequence interspersion in Syrian hamster DNA: a model system. Moyzis RK, et al. **J Mol Biol** 1981 Dec 25;153(4):841–64

An alternative view of mammalian DNA sequence organization. II. Short repetitive sequences are organized into scrambled tandem clusters in Syrian hamster DNA. Moyzis RK, et al. **J Mol Biol** 1981 Dec 25;153(4):871–96

Eukaryotic dinucleotide preference rules and their implications for degenerate codon usage. Nussinov R. **J Mol Biol** 1981 Jun 15;149(1):125–31

A circular channel crucible oscillating viscometer. Detection of DNA damage induced in vivo by exceedingly small doses of dimethylnitrosamine. Parodi S, et al. **J Mol Biol** 1981 Apr 25;147(4):501–21

Repetitive sequences of the sea urchin genome. III. Nucleotide sequences of cloned repeat elements. Posakony JW, et al. **J Mol Biol** 1981 Jun 15;149(1):41–67

A probabilistic analysis of DNA sequence organization. Robertson AD, et al. **J Mol Biol** 1981 Dec 25;153(4):864–70

Repetitive sequences of the sea urchin genome. II. Subfamily structure and evolutionary conservation. Scheller RH, et al. **J Mol Biol** 1981 Jun 15;149(1):15–39

Analysis of transcripts from two families of nomadic DNA. Schwartz HE, et al. **J Mol Biol** 1982 May 5;157(1):49–68

Organization and sequence analysis of a cluster of repetitive DNA elements from Xenopus laevis. Spohr G, et al. **J Mol Biol** 1981 Oct 5;151(4):573–92

Alkali–stably bound proteins in eukaryotic and prokaryotic DNAs show common characteristics. Werner D, et al. **J Mol Biol** 1981 Aug 5;150(2):297–302

Structural characteristics of genome organization in amphibians: differential staining of chromosomes and DNA structure. Birstein VJ. **J Mol Evol** 1982;18(2):73–91 (268 ref.)

Single copy DNA homology in sea stars. Smith MJ, et al. **J Mol Evol** 1982;18(2):92–101

Biases of the estimates of DNA divergence obtained by the restriction enzyme technique. Tajima F, et al. **J Mol Evol** 1982;18(2):115–20

Alternative conformations of DNA modified by N–2–acetylaminofluorene. Grunberger D, et al. **J Supramol Struct Cell Biochem** 1981;17(3):231–44

Protein structural models for nucleic acid interactions. Argos P. **J Theor Biol** 1981 Dec 7;93(3):609–26

Polyelectrolyte theory and chromatin–DNA quaternary structure: role of ionic strength and H1 histone. Belmont A, et al. **J Theor Biol** 1981 May 21;90(2):169–79

The safe–neighborhood hypothesis of junk DNA. Grant B. **J Theor Biol** 1981 May 7;90(1):149–50

Can tumorigenesis result from in vivo 'transfection' of a normal cell with DNA escaped from disintegrating nontransformed cells? Klein BY. **J Theor Biol** 1981 May 21;90(2):199–211

Some formal consequences of a specific association between double stranded nucleic acid molecules--properties of multistranded structures. McGavin S. **J Theor Biol** 1981 Jul 7;91(1):33–40

On order and complexity. II. Application to chemical and biochemical structures. Papentin F. **J Theor Biol** 1982 Mar 21;95(2):225–45

Phototautomerism of the G–C base pair of DNA. Srivastava SK, et al. **J Theor Biol** 1981 Dec 7;93(3):655–66

Vertebrate DNAs contain nucleotide sequences related to the transforming gene of avian myeloblastosis virus. Bergmann DG, et al. **J Virol** 1981 Nov;40(2):450–5

Nucleotide sequence analysis of the long terminal repeat of avian myeloblastosis virus and adjacent host sequences. Rushlow KE, et al. **J Virol** 1982 Jun;42(3):840–6

Z–DNA: a new twist in gene regulation? [news] Check WA. **JAMA** 1982 Jun 18;247(23):3175–6

Comparison of the interaction of antineoplastic aminoanthraquinone analogs with DNA using competitive fluorescence polarization. Roboz J, et al. **Life Sci** 1982 Jul 5;31(1):25–30

The structural basis of biological systems -- on the structures of transfer RNA and DNA and on some biological consequences. Thomas BR. **Med Hypotheses** 1981 Apr; 7(4):467–79

Radioimmunoassay for 2–acetylaminofluorene–DNA adducts. Poirier MC, et al. **Methods Enzymol** 1982;84 Pt D:607–18

DNA topological linking numbers in malignantly transformed Syrian hamster cells. Luchnik AN, et al. **MGG** 1981;183(3):553–6

Apurinic DNA endonucleases from Drosophila melanogaster embryos. Spiering AL, et al. **MGG** 1981;183(1):171–4

Genome organization and ploidy number in Trypanosoma cruzi. Castro C, et al. **Mol Biochem Parasitol** 1981 Dec 31;4(5–6):273–82

Alteration of DNA by hydrogen peroxide. Gemant A. **Mol Biol Rep** 1981 Nov 30;8(1):21–4

Physicochemical properties of salt–soluble, unsheared chromatin. The mass per unit length by light scattering. Karawajew L, et al. **Mol Biol Rep** 1981 Nov 30;8(1):3–6

High–efficiency cloning of full–length cDNA. Okayama H, et al. **Mol Cell Biol** 1982 Feb;2(2):161–70

The molecular structure of d(ICpCpGpG), a fragment of right–handed double helical A–DNA. Conner BN, et al. **Nature** 1982 Jan 28;295(5847):294–9

Nucleotide sequence of cloned cDNA encoding bovine arginine vasopressin–neurophysin II precursor. Land H, et al. **Nature** 1982 Jan 28;295(5847):299–303

A + T–rich linkers define functional domains in eukaryotic DNA. Moreau J, et al. **Nature** 1982 Jan 21;295(5846):260–2

Cloning and sequence analysis of cDNA for bovine adrenal preproenkephalin. Noda M, et al. **Nature** 1982 Jan 21; 295(5846):202–6

Antibodies to left–handed Z–DNA bind to interband regions of Drosophila polytene chromosomes. Nordheim A, et al. **Nature** 1981 Dec 3;294(5840):417–22

The C conformation is a low salt form of sodium DNA. Rhodes NJ, et al. **Nature** 1982 Mar 18;296(5854):267–9

The structure of a pseudo intercalated complex between actinomycin and the DNA binding sequence d(GpC). Takusagawa F, et al. **Nature** 1982 Apr 1;296(5856):466–9

A critical analysis of a left–handed double helix model for B–DNA fibers. Albiser G, et al. **Nucleic Acids Res** 1982 Jul 10;10(13):4027–34

Shotgun DNA sequencing using cloned DNase I–generated fragments. Anderson S. **Nucleic Acids Res** 1981 Jul 10; 9(13):3015–27

MAXAMIZE. A DNA sequencing strategy advisor. Bach R, et al. **Nucleic Acids Res** 1982 Jan 11;10(1):295–304

Rat beta casein cDNA: sequence analysis and evolutionary comparisons. Blackburn DE, et al. **Nucleic Acids Res** 1982 Apr 10;10(7):2295–307

Computer programs for nucleic acid sequence manipulation. Blumenthal RM, et al. **Nucleic Acids Res** 1982 Jan 11; 10(1):91–101

GEL, a DNA sequencing project management system. Clayton J, et al. **Nucleic Acids Res** 1982 Jan 11;10(1):305–21

Microcomputer programs for DNA sequence analysis. Conrad B, et al. **Nucleic Acids Res** 1982 Jan 11;10(1):31–8

Vertebrate histone genes: nucleotide sequence of a chicken H2A gene and regulatory flanking sequences. D'Andrea R, et al. **Nucleic Acids Res** 1981 Jul 10;9(13):3119–28

Solution structural studies of the Ag(I)–DNA complex. Dattagupta N, et al. **Nucleic Acids Res** 1981 Jun 25; 9(12):2971–85

A DNA sequence handling program. Delaney AD. **Nucleic Acids Res** 1982 Jan 11;10(1):61–7

High sequence specificity of micrococcal nuclease. Dingwall C, et al. **Nucleic Acids Res** 1981 Jun 25;9(12):2659–73

Binding of ethidium derivatives to natural DNA: a 300 MHz 1H NMR study. Feigon J, et al. **Nucleic Acids Res** 1982 Jan 22;10(2):749–62

GENESIS, a knowledge–based genetic engineering simulation system for representation of genetic data and experiment planning. Friedland P, et al. **Nucleic Acids Res** 1982 Jan 11;10(1):323–40

A semi–automated method for the reading of nucleic acid sequencing gels. Gingeras TR, et al. **Nucleic Acids Res** 1982 Jan 11;10(1):103–14

Pattern recognition in nucleic acid sequences. I. A general method for finding local homologies and symmetries. Goad WB, et al. **Nucleic Acids Res** 1982 Jan 11;10(1):247–63

Computer programs to assist in high resolution thermal denaturation and circular dichroism studies on nucleic acids. Goodman TC, et al. **Nucleic Acids Res** 1981 Dec 21;9(24):7033–40

New rapid methods for DNA sequencing based in exonuclease III digestion followed by repair synthesis. Guo LH, et al. **Nucleic Acids Res** 1982 Mar 25;10(6):2065–84

Two–dimensional graphic analysis of DNA sequence homologies. Harr R, et al. **Nucleic Acids Res** 1982 Jan 11; 10(1):365–74

Molecular cloning and nucleotide sequence of cDNA coding for calf preprochymosin. Harris TJ, et al. **Nucleic Acids Res** 1982 Apr 10;10(7):2177–87

Mouse whey acidic protein is a novel member of the family of 'four–disulfide core' proteins. Hennighausen LG, et al. **Nucleic Acids Res** 1982 Apr 24;10(8):2677–84

Circular dichroism spectra of twelve short DNA restriction fragments of known sequence: a comparison of measured and calculated spectra. Hillen W, et al. **Nucleic Acids Res** 1981 Jul 10;9(13):3029–45

Studies on the selectivity of DNA precipitation by spermine. Hoopes BC, et al. **Nucleic Acids Res** 1981 Oct 24; 9(20):5493–504

Sequence specific cleavage of DNA by micrococcal nuclease. Hörz W, et al. **Nucleic Acids Res** 1981 Jun 25;9(12):2643–58

The structural organization of dinucleosomes and oligonucleosomes. Electric dichroism and birefringence study. Houssier C, et al. **Nucleic Acids Res** 1981 Nov 11; 9(21):5763–84

Computer programs to analyze DNA and amino acid sequence data. Isono K. **Nucleic Acids Res** 1982 Jan 11; 10(1):85–9

The ten helical twist angles of B–DNA. Kabsch W, et al. **Nucleic Acids Res** 1982 Feb 11;10(3):1097–104

Los Alamos sequence analysis package for nucleic acids and proteins. Kanehisa MI. **Nucleic Acids Res** 1982 Jan 11; 10(1):183–96

The helical periodicity of DNA on the nucleosome. Klug A, et al. **Nucleic Acids Res** 1981 Sep 11;9(17):4267–83

A flexible new computer program for handling DNA sequence data. Kröger M, et al. **Nucleic Acids Res** 1982 Jan 11;10(1):229–36

Recognition of base pairs by polar peptides in double stranded DNA. Laigle A, et al. **Nucleic Acids Res** 1982 Mar 11;10(5):1707–20

Apple II software for M13 shotgun DNA sequencing. Larson R, et al. **Nucleic Acids Res** 1982 Jan 11;10(1):39–49

A program for reading DNA sequence gels using a small computer equipped with a graphics tablet. Lautenberger JA. **Nucleic Acids Res** 1982 Jan 11;10(1):27–30

The molecular electrostatic potential and steric accessibility of A–DNA. Lavery R, et al. **Nucleic Acids Res** 1981 Sep 25;9(18):4677–88

The molecular electrostatic potential and steric accessibility of poly (dA–dT). poly (dA–dT) in various conformations: B–DNA, D–DNA and 'alternating–B' DNA. Lavery R, et al. **Nucleic Acids Res** 1981 Dec 11;9(23):6539–52

Computer–assisted DNA length measurements from electron micrographs with special reference to partial denaturation mapping. Littlewood RK, et al. **Nucleic Acids Res** 1982 Mar 11;10(5):1691–706

The effect of sequence specific DNA methylation on restriction endonuclease cleavage. McClelland M. **Nucleic Acids Res** 1981 Nov 25;9(22):5859–66

Interaction of adriamycin with DNA as studied by resonance Raman spectroscopy. Manfait M, et al. **Nucleic Acids Res** 1982 Jun 25;10(12):3803–16

Matrix program to analyze primary structure homology. Novotny J. **Nucleic Acids Res** 1982 Jan 11;10(1):127–31

Nucleic acid sequence database computer system. Orcutt BC, et al. **Nucleic Acids Res** 1982 Jan 11;10(1):157–74

Computer programs for the analysis and the management of DNA sequences. Osterburg G, et al. **Nucleic Acids Res** 1982 Jan 11;10(1):207–16

Automatic construction of restriction site maps. Pearson WR. **Nucleic Acids Res** 1982 Jan 11;10(1):217–27

A convenient and adaptable package of DNA sequence analysis programs for microcomputers. Pustell J, et al. **Nucleic Acids Res** 1982 Jan 11;10(1):51–9

Improvements to a program for DNA analysis: a procedure to find homologies among many sequences. Queen C, et al. **Nucleic Acids Res** 1982 Jan 11;10(1):449–56

Two distinct intervening sequences in different ribosomal DNA repeat units of Sciara coprophila. Renkawitz–Pohl R, et al. **Nucleic Acids Res** 1981 Aug 11;9(15):3747–64

Restriction and modification enzymes and their recognition sequences. Roberts RJ. **Nucleic Acids Res** 1982 Mar 11; 10(5):r117–44

Z–DNA conformation of N–2–acetylaminofluorene modified poly(dG–dC).poly(dG–dC) determined by reactivity with anti cytidine antibodies and minimized potential energy calculations. Santella RM, et al. **Nucleic Acids Res** 1981 Oct 24;9(20):5459–67

Formal description of a DNA oriented computer language. Schroeder JL, et al. **Nucleic Acids Res** 1982 Jan 11; 10(1):69–84

Diazotizable arylamine cellulose papers for the coupling and hybridization of nucleic acids. Seed B. **Nucleic Acids Res** 1982 Mar 11;10(5):1799–810

A statistical test for comparing several nucleotide sequences. Sege RD, et al. **Nucleic Acids Res** 1982 Jan 11;10(1):375–89

Analysis of difference spectra of protonated DNA: determination of degree of protonation of nitrogen bases and the fractions of disordered nucleotide pairs. Smol'janinova TI, et al. **Nucleic Acids Res** 1982 Mar 25; 10(6):2121–34

Codon preference and its use in identifying protein coding regions in long DNA sequences. Staden R, et al. **Nucleic Acids Res** 1982 Jan 11;10(1):141–56

A large database DNA sequence handling program with generalized searching specifications. Stockwell PA. **Nucleic Acids Res** 1982 Jan 11;10(1):115–25

A chicken middle–repetitive DNA sequence which shares homology with mammalian ubiquitous repeats. Stumph WE, et al. **Nucleic Acids Res** 1981 Oct 24;9(20):5383–97

The high salt form of poly(dG–dC).poly(dG–dC) is left–handed Z–DNA: Raman spectra of crystals and solutions. Thamann TJ, et al. **Nucleic Acids Res** 1981 Oct 24;9(20):5443–57

RSITE: a computer program to predict the recognition sequence of a restriction enzyme. Tolstoshev CM, et al. **Nucleic Acids Res** 1982 Jan 11;10(1):1–17

Cloning and characterization of cDNA copies of the 7S RNAs of HeLa cells. Ullu E, et al. **Nucleic Acids Res** 1982 Apr 10;10(7):2209–23

A general method for the synthesis of 5'–monophosphates of DNA fragments via phosphotriester intermediates. van der Marel GA, et al. **Nucleic Acids Res** 1982 Apr 10; 10(7):2337–51

Isolation and characterization of a human collagen alpha 1(I)–like gene from a cosmid library. Weiss EH, et al. **Nucleic Acids Res** 1982 Mar 25;10(6):1981–94

Viscometric analysis of the interaction of bisphenanthridinium compounds with closed circular supercoiled and linear DNA. Wilson WD, et al. **Nucleic Acids Res** 1982 Jul 10;10(13):4093–106

Interaction of actinomycin D, ethidium, quinacrine, daunorubicin, and tetralysine with DNA: 31P NMR chemical shift and relaxation investigation. Wilson WD, et al. **Nucleic Acids Res** 1982 Feb 25;10(4):1399–410

Equilibrium binding of carcinogens and antitumor antibiotics to DNA: site selectivity, cooperativity, allosterism. Winkle

SA, et al. **Nucleic Acids Res** 1981 Jul 10;9(13):3175–86
Torsional flexibility of B-DNA as revealed by conformational analysis. Zhurkin VB, et al.
Nucleic Acids Res 1982 Mar 11;10(5):1811–30
Alkylation of calf thymus DNA with reductively activated mitomycin C. Hashimoto Y, et al.
Nucleic Acids Symp Ser 1981;(10):217–20
Are there structural analogies between amino acids and nucleic acids? Hendry LB, et al. **Orig Life** 1981 Sep; 11(3):203–21
Photoinduced reaction of dimethylnitrosamine with DNA and polynucleotides. Arfellini G, et al.
Photochem Photobiol 1981 Nov;34(5):645–8
Singlet oxygen formation by sensitization of furocoumarins complexed with, or bound covalently to DNA. de Mol NJ, et al. **Photochem Photobiol** 1981 Dec;34(6):661–6
Photosensitized degradation of DNA by daunomycin. Gray PJ, et al. **Photochem Photobiol** 1982 Jul;36(1):49–57
Photobinding of psoralen and 8-methoxypsoralen to calf thymus DNA. Sherman WV, et al.
Photochem Photobiol 1981 Nov;34(5):579–82
Interactions among iron(II) bleomycin, Lewis bases, and DNA. Antholine WE, et al. **Proc Natl Acad Sci USA** 1981 Dec;78(12):7517–20
Complete sequence analysis of cDNA clones encoding rat whey phosphoprotein: homology to a protease inhibitor. Dandekar AM, et al. **Proc Natl Acad Sci USA** 1982 Jul; 79(13):3987–91
Kinematic model for B-DNA. Dickerson RE, et al.
Proc Natl Acad Sci USA 1981 Dec;78(12):7318–22
Structure of a B-DNA dodecamer at 16 K. Drew HR, et al. **Proc Natl Acad Sci USA** 1982 Jul;79(13):4040–4
In vitro reactions of aflatoxin B1-adducted DNA. Groopman JD, et al. **Proc Natl Acad Sci USA** 1981 Sep;78(9):5445–9
First approximation of a stereochemical rationale for the genetic code based on the topography and physicochemical properties of 'cavities' constructed from models of DNA. Hendry LB, et al. **Proc Natl Acad Sci USA** 1981 Dec; 78(12):7440–4
Molecular motion of DNA as measured by triplet anisotropy decay. Hogan M, et al. **Proc Natl Acad Sci USA** 1982 Jun; 79(11):3518–22
Conversion of B DNA between solution and fiber conformations. Mandelkern M, et al.
Proc Natl Acad Sci USA 1981 Jul;78(7):4294–8
7-Methylguanine in poly(dG-dC).poly(dG-dC) facilitates z-DNA formation. Möller A, et al.
Proc Natl Acad Sci USA 1981 Aug;78(8):4777–81
Effect of the B—Z transition in poly(dG-m5dC) . poly(dG-m5dC) on nucleosome formation. Nickol J, et al.
Proc Natl Acad Sci USA 1982 Mar;79(6):1771–5
Right-handed alternating DNA conformation: poly(dA-dT) adopts the same dinucleotide repeat with cesium, tetraalkylammonium, and 3 alpha, 5 beta, 17 beta-dipyrrolidinium steroid dimethiodide cations in aqueous solution. Patel DJ, et al.
Proc Natl Acad Sci USA 1981 Jul;78(7):4063–7
Right-handed and left-handed DNA: studies of B- and Z-DNA by using proton nuclear Overhauser effect and P NMR. Patel DJ, et al. **Proc Natl Acad Sci USA** 1982 Mar;79(5):1413–7
Covalent adducts of DNA and the nonprotein chromophore of neocarzinostatin contain a modified deoxyribose. Povirk LF, et al. **Proc Natl Acad Sci USA** 1982 Jan;79(2):369–73
32P-labeling test for DNA damage. Randerath K, et al.
Proc Natl Acad Sci USA 1981 Oct;78(10):6126–9
Structural similarity in the DNA-binding domains of catabolite gene activator and cro repressor proteins. Steitz TA, et al. **Proc Natl Acad Sci USA** 1982 May; 79(10):3097–100
Z-DNA: vacuum ultraviolet circular dichroism. Sutherland JC, et al. **Proc Natl Acad Sci USA** 1981 Aug;78(8):4801–4
Junction between Z and B conformations in a DNA restriction fragment: evaluation by Raman spectroscopy. Wartell RM, et al. **Proc Natl Acad Sci USA** 1982 Apr; 79(8):2549–53
Marking the polarity of RNA molecules for electron microscopy by covalent attachment of psoralen-DNA restriction fragments. Wollenzien PL, et al.
Proc Natl Acad Sci USA 1982 Jul;79(13):3940–4
Solution structural studies of the A and Z forms of DNA. Wu HM, et al. **Proc Natl Acad Sci USA** 1981 Nov; 78(11):6808–11
Crystalline A-dna: the X-ray analysis of the fragment d(G-G-T-A-T-A-C-C). Shakked Z, et al.
Proc R Soc Lond [Biol] 1981 Nov 24;213(1193):479–87
Left-handed Z-DNA: a DNA structure with biological function? Nordheim A, et al **Prog Clin Biol Res** 1982;85 Pt A:101–13
Spin-labelled nucleic acids. Kamzolova SG, et al.
Q Rev Biophys 1981 May;14(2):223–88 (108 ref.)
Lethality of Auger electrons from the decay of bromine-77 in the DNA of mammalian cells. Kassis AI, et al.
Radiat Res 1982 May;90(2):362–73
Reaction of trichloromethyl free radicals with deoxyribonucleic acid bases. Díaz Gómez MI, et al.
Res Commun Chem Pathol Pharmacol 1981 Apr; 32(1):147–53
The structure of chromatin. Walker JM. **Sci Prog** 1981 Autumn;67(267):399–410 (40 ref.)
DNA strand breakage in human leukocytes exposed to a tumor promoter, phorbol myristate acetate. Birnboim HC. **Science** 1982 Mar 5;215(4537):1247–9
The anatomy of A-, B-, and Z-DNA. Dickerson RE, et al. **Science** 1982 Apr 30;216(4545):475–85
Z-DNA: from the crystal to the fly [news] Kolata G.
Science 1981 Dec 4;214(4525):1108–10
Long-awaited decision on DNA database [news] Lewin R. **Science** 1982 Aug 27;217(4562):817–8
Monospecific antibody against 5-methyl-cytidine for the structural analysis of nucleic acids. Mastronicolis SK, et al. **Z Naturforsch [C]** 1982 May-Jun;37(5-6):399–404
[A B-DNA conformation in agreement with X-ray from fibres and infrared data (author's transl)] Premilat S, et al. **C R Seances Acad Sci [III]** 1982 Feb 1;294(5):241–4 (Eng. Abstr.) **(Fre)**
[Binding constants, binding enthalpies and entropies of the non-competitive and the competitive binding of acriflavine, tetramethylacriflavine and acridine orange to DNA (author's transl)] Wille H, et al. **Z Naturforsch [C]** 1982 May-Jun;37(5-6):413–27 (Eng. Abstr.) **(Ger)**
[Molecular models of DNA binding with antineoplastic antibiotics specific for certain DNA bases] Krylov AS. **Antibiotiki** 1982 Mar;27(3):221–34 (70 ref.) **(Rus)**
[Theory of DNA compactization in a polymer solution] Grosberg AIu, et al. **Biofizika** 1981 Sep–Oct;26(5):897–905 (Eng. Abstr.) **(Rus)**
[Determination of the number of GC-pairs 'recognized' by actinomycin D during binding with DNA] Mikhailov MV, et al. **Biofizika** 1982 Jan–Feb;27(1):14–6 (Eng. Abstr.) **(Rus)**
[Are nitrogen bases of DNA hydrated at low humidity?] Sanenov NAm, et al. **Biofizika** 1981 Nov–Dec;26(6):979–84 (Eng. Abstr.) **(Rus)**
[Reversal of B to A transition in DNA by bis-(20guanidoethyl)disulfide] Tselikova SV, et al.
Biofizika 1982 Mar–Apr;27(2):322–4 (Eng. Abstr.) **(Rus)**
[Use of DNA-methylases as reagents for the production of isotopically labeled DNAs] Bur'ianov IaI, et al.
Biokhimiia 1982 Apr;47(4):695–7 (Eng. Abstr.) **(Rus)**
[Size and organization of repetitive sequences in pigeon genome] Gazarian KG, et al. **Biokhimiia** 1982 Jan; 47(1):71–80 (Eng. Abstr.) **(Rus)**
[5-Methylcytosine in pyrimidine sequences of plant and animal DNA: specificity of methylation] Kirnos MD, et al. **Biokhimiia** 1981 Aug;46(8):1458–74 (Eng. Abstr.) **(Rus)**
[DNA-methylase from Arthrobacter luteus screens DNA from the action of site-specific endonuclease Alu I] Kramarov VM, et al. **Biokhimiia** 1981 Aug;46(8):1526–9 (Eng. Abstr.) **(Rus)**
[Characteristics of 3 modifications of the technic for molecular hybridization of DNA on nitrocellulose filters] Chernyshev VA. **Biol Nauki** 1981;(9):105–9 **(Rus)**
[Changes in the protein composition of chromatin in the presence of supplementary total histone] Paponv VD, et al. **Biull Eksp Biol Med** 1981 Jun;91(6):672–5 (Eng. Abstr.) **(Rus)**
[Effect of selectively reacting ligands on the helix-coil transition of DNA. III. Calculation of the melting curves of DNA-ligand complexes] Akhrem AA, et al.
Mol Biol (Mosk) 1981 Sep–Oct;15(5):1083–92 (Eng. Abstr.) **(Rus)**
[Changing characteristic viscosity of DNA interacting with Cu2+ and Mn2+ ions] Blagoi IuP, et al.
Mol Biol (Mosk) 1982 Jan–Feb;16(1):210–6 (Eng. Abstr.) **(Rus)**
[DNA interaction with low molecular ligands of different structure. II. Complexes of DNA with actinomine and its analogs] Krivtsova MA, et al. **Mol Biol (Mosk)** 1982 Jan–Feb;16(1):149–55 (Eng. Abstr.) **(Rus)**
[Effect of selectively reacting ligands on the helix-coil transition of DNA. IV. Heat denaturation of DNA in an acid medium] Lando DIu, et al. **Mol Biol (Mosk)** 1981 Sep–Oct;15(5):1093–1101 (Eng. Abstr.) **(Rus)**
[Induction of saccharomyces cerevisiae extrachromosomal-DNA] Larionov VL, et al.
Mol Biol (Mosk) 1981 Jan–Feb;15(1):124–31 (Eng. Abstr.) **(Rus)**
[Study of complexes of poly-L-histidine with DNA using hyperchromic spectra] Riaim T, et al. **Mol Biol (Mosk)** 1981 Nov–Dec;15(6):1342–9 (Eng. Abstr.) **(Rus)**
[Modification of guanine residues in double-stranded DNA by aminomethylol compounds without denaturation of nucleic acid] Semin IuA, et al. **Mol Biol (Mosk)** 1981 Nov–Dec;15(6):1303–14 (Eng. Abstr.) **(Rus)**
[Effect of double helix conformation transitions on DNA hypochromism] Volkov SN, et al. **Mol Biol (Mosk)** 1982 Mar–Apr;16(2):322–9 (Eng. Abstr.) **(Rus)**
[Cytochemistry of the binding of dyes and fluorochromes with DNA and chromatin] Stockert JC, et al.
Medicina (B Aires) 1981;41 Suppl:96–100 (Eng. Abstr.) **(Spa)**

ADMINISTRATION & DOSAGE

Reducing the cardiotoxicity of anthracyclines by complex-binding to DNA: report of three cases. Paul C, et al. **Cancer** 1981 Oct 1;48(7):1531–4
The injection of DNA potentiates the induction of anti-DNA antibody by bacterial lipopolysaccharide. Gayral-Taminh M, et al. **Immunol Lett** 1981 Aug;3(3):125–8
Distribution of daunorubicin intravenously injected or intravenously infused as free drug and as a complex with DNA in rabbits. Hulhoven R, et al. **Pharmacology** 1982; 24(4):253–60

ANALYSIS

DNA measurements of human pituitary tumours. Anniko M, et al. **Acta Otolaryngol [Suppl] (Stockh)** 1981;379:1–28
Flow cytometric DNA analysis of anal canal epithelium and ano-rectal tumours. Fenger C, et al.
Acta Pathol Microbiol Scand [A] 1981 Sep;89(5):351–5
The diagnostic value of flow cytometric DNA measurements in selected disorders of the human thyroid. Johannessen JV, et al. **Am J Clin Pathol** 1982 Jan;77(1):20–5
The sequential enzymatic determination of DNA and RNA. Bentle LA, et al. **Anal Biochem** 1981 Sep 1;116(1):5–16
ESR study of intercalation: quantitative evaluation of drug-DNA binding through competition with a spin-labeled 9-aminoacridine. Bernier JL, et al.
Anal Biochem 1981 Oct;117(1):12–7
The use of agar for gel electrophoresis of DNA. Bush CN, et al. **Anal Biochem** 1982 Jan 1;119(1):164–6
A method for determining DNA and chondrocyte content of articular cartilage. Cheung HS, et al. **Anal Biochem** 1981 Sep 1;116(1):93–7
Separation of major and minor deoxyribonucleoside monophosphates by reverse-phase high-performance liquid chromatography: a simple method applicable to quantitation of methylated nucleotides in DNA. Christman JK. **Anal Biochem** 1982 Jan 1;119(1):38–48
The use of agarose gel electrophoresis to measure the size of DNA molecules in crude cell lysates. Freidenrich S, et al. **Anal Biochem** 1981 Jul 15;115(1):231–5
A simple logarithmic amplifier for the photographic quantitation of DNA in gel electrophoresis. Hörz W, et al. **Anal Biochem** 1981 Nov 1;117(2):266–70
A rapid in situ deoxyribonucleic acid assay for determining cell number in culture and tissue. Johnson-Wint B, et al. **Anal Biochem** 1982 May 15;122(2):338–44
Rapid analysis of small nucleic acid samples by gel electrophoresis. Kopchick JJ, et al. **Anal Biochem** 1981 Aug;115(2):419–23
The determination of O6-methyl- and 7-methylguanine in mouse liver DNA from dimethylnitrosamine-treated mice by high-performance liquid chromatography with UV absorbance detection. Lawrence JF, et al. **Anal Biochem** 1981 Sep 15;116(2):433–8
Determination of DNA superhelicity and extremely low levels of DNA strand breaks in low numbers of nonradiolabeled cells by
DNA-4',6-diamidino-2-phenylindole fluorescence in nucleoid gradients. Lipetz PD, et al. **Anal Biochem** 1982 Apr;121(2):339–48
Fluorimetric microassay of DNA using a modified thiobarbituric acid assay. Nordling S, et al.
Anal Biochem 1981 Aug;115(2):260–6
Quantitative determination of nucleic acids in brown and white adipose tissue. Rafael J, et al. **Anal Biochem** 1981 Jul 15;115(1):158–62
32P-base analysis of DNA. Reddy MV, et al.
Anal Biochem 1981 Nov 1;117(2):271–9
Simultaneous extraction and assay of cyclic nucleotides, prostaglandins, and DNA from cat alveolar bone. Shanfeld J, et al. **Anal Biochem** 1981 May 15;113(2):256–63
A sensitive fluorometric assay for the determination of DNA. Vytášek R. **Anal Biochem** 1982 Mar 1;120(2):243–8
Nuclear area and Feulgen DNA content of normal and abnormal oral squames. Longmore RB, et al.
Anal Quant Cytol 1982 Mar;4(1):33–8
DNA content, mitotic activity, and incorporation of tritiated thymidine in the developing inner ear of the rat. Khan KM, et al. **Anat Rec** 1982 Apr;202(4):501–9
Difference spectrophotometry as a probe for small changes in nucleic acid structure. Belli M, et al.
Ann Ist Super Sanita 1981;17(2):241–54
Drosophila genome organization: conserved and dynamic aspects. Spradling AC, et al. **Annu Rev Genet** 1981; 15:219–64 (321 ref.)
A simple fluorimetric microassay for DNA in hair follicles or fractions of hair follicles. Hukkelhoven MW, et al.
Anticancer Res 1981;1(6):341–4
The effect of cervical mucus on measurable Feulgen DNA content of human spermatozoa. Freundl G, et al.
Arch Gynecol 1981;231(1):61–7
DNA in synovial fluid and the circulation of patients with arthritis. Leon SA, et al. **Arthritis Rheum** 1981 Sep; 24(9):1142–50
Complexes of nitracrine with DNA. Stoichiometry of binding. Szmigiero L, et al. **Arzneimittelforsch** 1981; 31(11):1875–7
Temporal association between arterial cholesterol deposition, thymidine incorporation into DNA, and atherosclerosis in Japanese quail fed an atherogenic diet. McCormick DL, et al. **Atherosclerosis** 1982 Mar;42(1):1–13
Arterial cholesterol and DNA contents in relation to serum lipids and apolipoproteins. Studies on cystic artery biopsies. Wiklund O, et al. **Atherosclerosis** 1982 Feb;41(2-3):247–53
New approaches to the 'in situ' study of chromatin: introduction. Manfredi Romanini MG.
Basic Appl Histochem 1981;25(4):285–7
Chromatin: a multidisciplinary approach to its native structure. Nicolini CA. **Basic Appl Histochem** 1981; 25(4):319–22
Relationships between DNA content and cell morphometric parameters in reptiles. Olmo E, et al.

Basic Appl Histochem 1982;26(1):27–34
The cell proliferative activity in blood diseases as studied with flow microfluorometry. Riccardi A. **Basic Appl Histochem** 1981;25(4):313–8
31P NMR of DNA in eukaryotic chromosomal complexes. DiVerdi JA, et al. **Biochem Biophys Res Commun** 1981 Oct 15;102(3):885–90
A rapid procedure to detect in situ DNA/RNA hybrids. Reddy AR, et al. **Biochem Biophys Res Commun** 1981 Dec 15;103(3):959–67
A reexamination of the buoyant density of chicken ribosomal DNA. Rode A, et al. **Biochem Biophys Res Commun** 1981 Dec 31;103(4):1343–8
The ultrasensitive silver 'protein' stain also detects nanograms of nucleic acids. Somerville LL, et al. **Biochem Biophys Res Commun** 1981 Sep 16;102(1):53–8
New methods for analysing DNA make genetics simpler. Southern EM. **Biochem Soc Trans** 1982 Feb;10(1):1–4
Isolation and characterization of rat liver nuclear matrices containing high molecular weight deoxyribonucleic acid. Berezney R, et al. **Biochemistry** 1981 Aug 18; 20(17):4995–5002
Nuclear deoxyribonucleic acid characterization of the marine chromophyte Olisthodiscus luteus. Ersland DR, et al. **Biochemistry** 1981 Nov 24;20(24):6886–93
Conformation of 2-[(deoxyguanosin-8-ylacetyl)amino]fluorene differs in protein-free deoxyribonucleic acid and chromatin. Ross J, et al. **Biochemistry** 1982 Mar 16;21(6):1369–74
Strand scission of deoxyribonucleic acid by neocarzinostatin, auromomycin, and bleomycin: studies on base release and nucleotide sequence specificity. Takeshita M, et al. **Biochemistry** 1981 Dec 22;20(26):7599–606
Structural transitions in DNAs and nucleohistones studied by I.R. spectroscopy. Taillandier E, et al. **Biochimie** 1981 Nov-Dec;63(11–12):895–8
Use of the reduction of silver from silver ammine solution by the aldehyde groups of apurine DNA for the study of the chemistry of nuclear staining by the Feulgen method. Khachaturov EN. **Biol Bull Acad Sci USSR** 1980 Sep–Oct; 7(5):352–6
Cytochemical method of detecting DNA based on reduction of metallic silver from solution of silver ammine by aldehyde groups of apurinic DNA. Khachaturov EN. **Biol Bull Acad Sci USSR** 1980 May–Jun;7(3):188–94
Fluorescence-determined preferential binding of quinacrine to DNA. Baldini G, et al. **Biophys J** 1981 Dec;36(3):465–77
Methacrylate polymerization by AzoRNA: potential usefulness for chromosomal localization of genes. Hartman RF, et al. **Biopolymers** 1981 Dec;20(12):2635–48
Isolation by restriction endonuclease digestion and base-specific affinity chromatography of rat-embryo DNA sequences disproportionately enriched in virogenic bromodeoxyuridine. Schwartz SA. **Biosci Rep** 1981 Feb; 1(2):107–18
DNA flow cytometry on human epidermis. The effect of serial biopsy sampling at various times. Frentz G, et al. **Br J Dermatol** 1982 Jul;107(1):7–14
Lasting effects of early olfactory deprivation on the growth, DNA, RNA and protein content, and Na-K-ATPase and AchE activity of the rat olfactory bulb. Meisami E, et al. **Brain Res** 1981 Sep;254(2):217–29
The DNA content of human plasma cells. Brox L, et al. **Cancer** 1981 May 15;47(10):2433–6
Clonogenicity of multiple populations of human glioma cells in vitro sorted by DNA content. Hoshino T, et al. **Cancer** 1982 Sep 1;50(5):997–1002
Identification of 7-carboxymethylguanine in DNA from pancreatic acinar cells exposed to azaserine. Zurlo J, et al. **Cancer Res** 1982 Apr;42(4):1286–8
Spectroscopic characterizations and comparisons of the structures of the covalent adducts derived from the reactions of 7, 8-dihydroxy-7,8,9,10-tetrahydrobenzo [a] pyrene-9,10-oxide, and the 9, 10-epoxides of 7,8,9,10-tetrahydrobenzo [a] pyrene and 9.10,11,12-tetrahydrobenzo [e] pyrene with DNA. Geacintov NE, et al. **Carcinogenesis** 1982;3(3):247–53
Ultrasensitive enzymatic radioimmunoassay (USERIA) detects femtomoles of acetylaminofluorene-DNA adducts. Hsu IC, et al. **Carcinogenesis** 1980 May;1(5):455–8
Structures of covalent adducts derived from the reactions of the 9,10-epoxides of 7,8,9,10-tetrahydrobenzo [a] pyrene and 9,10,11,12-tetrahydrobenzo [e] pyrene with DNA. Kinoshita T, et al. **Carcinogenesis** 1982;3(3):255–60
Physical interactions of isomeric benzo [a] pyrene diol-epoxides with DNA. MacLeod MC, et al. **Carcinogenesis** 1982;3(3):287–92
Mass spectral characterisation of the major DNA—carcinogen adduct formed from the metabolically activated carcinogen 15,16-dihydro-11-methylcyclopenta[a]phenanthren-17-on Wiebers JL, et al. **Carcinogenesis** 1981;2(7):637–43
Two related pseudogenes are the result of a gene duplication in the goat beta-globin locus. Cleary ML, et al. **Cell** 1981 Oct;26(2 Pt 2):181–90
Unusual methylation pattern of the alpha 2 (I) collagen gene. McKeon C, et al. **Cell** 1982 May;29(1):203–10
A history of the human fetal globin gene duplication. Shen SH, et al. **Cell** 1981 Oct;26(2 Pt 2):191–203
Ultrastructure and fluorescence of chromatin: interaction of propidium iodide with DNA after different pretreatments. Barni S, et al. **Cell Biol Int Rep** 1982 Jun;6(6):544
Error analysis in flow microfluorometry. Nedelman J. **Cell Biophys** 1982 Mar;4(1):1–14
Relative base composition of initiation sites for transcription in developing frog embryos. Flickinger RA. **Cell Differ** 1982 Apr;11(2):63–9
The feulgen-deoxyribonucleic acid absorption spectra in salivary glands of the dipteran, Bradysia spatitergum. Mello ML, et al. **Cell Mol Biol** 1981;27(4):353–8
Immunoassay of O6-methyldeoxyguanosine in DNA: the use of polyethylene glycol to separate bound and free nucleoside. Salih H, et al. **Chem Biol Interact** 1982 Aug; 41(2):169–80
Quantitative in situ hybridization reveals extent of sequence homology between related DNA sequences in Drosophila melanogaster. Brock HW, et al. **Chromosoma** 1981; 83(2):159–68
A structural analysis of Balbiani ring dna sequences in Chironomus tentans. Degelmann A, et al. **Chromosoma** 1981;83(3):295–313
Non-random position of the A-T rich DNA sequences in early embryos of Drosophila virilis. Ellison JR, et al. **Chromosoma** 1981;83(4):555–61
Localization of single copy DNA sequences of G-banded human chromosomes by in situ hybridization. Harper ME, et al. **Chromosoma** 1981;83(3):431–9
Distribution of spacer length classes and the intervening sequence among different nucleolus organizers in Drosophila hydei. Kunz W, et al. **Chromosoma** 1981; 83(2):145–58
The double-stranded DNA replication intermediates formed in Chironomus polytene chromosomes consist of two populations. Lönn U. **Chromosoma** 1981;84(2):221–9
Restriction enzyme analysis of the germ line limited DNA of Ascaris suum. Roth GE, et al. **Chromosoma** 1981; 83(2):169–90
Different repetition frequencies of a 120 base-pair DNA-element and its arrangement in Chironomus thummi thummi and Chironomus thummi piger. Schaefer J, et al. **Chromosoma** 1981;84(1):61–6
Single-copy DNA relationships between diploid and tetraploid teleostean fish species. Schmidtke J, et al. **Chromosoma** 1981;83(2):191–7
Characterization of macronuclear DNA in five species of ciliates. Steinbrück G, et al. **Chromosoma** 1981; 83(2):199–208
Application of the estimation of normal distributions from truncated samples to the analysis of flow microfluorometry histograms. Li CH, et al. **Comput Biomed Res** 1982 Jun; 15(3):262–71
A multichannel method for the analysis of DNA content distribution using flow cytometric data. Takahashi M. **Comput Biomed Res** 1981 Dec;14(6):506–17
Fluorometric assay of DNA in cartilage and correction for interference by matrix components. Miller DR, et al. **Connect Tissue Res** 1981;9(2):89–94
Flow fluorometric study of DNA content in nonproliferative Euglena gracilis cells and during proliferation. Bonaly J, et al. **Cytometry** 1981 Jul;2(1):35–8
Correlated analysis of cellular DNA, membrane antigens and light scatter of human lymphoid cells. Braylan RC, et al. **Cytometry** 1982 Mar;2(5):337–43
Stage-related variations in DNA fluorescence distribution during rat spermatogenic cycle measured by flow cytometry. Clausen OP, et al. **Cytometry** 1982 May; 2(6):421–5
A model for the computer analysis of synchronous DNA distributions obtained by flow cytometry. Fox MH. **Cytometry** 1980 Jul;1(1):71–7
DNA measurements of chromosomes 9 and 22 of six patients with t(9;22) and chronic myeloid leukemia. Geraedts JP, et al. **Cytometry** 1980 Sep;1(2):152–5
Selection of viable cells with known DNA content. Hamori E, et al. **Cytometry** 1980 Sep;1(2):132–5
An optical model for fluorescence of mammalian sperm in flow cytometry. Kerker M, et al. **Cytometry** 1980 Sep; 1(2):161–7
Simultaneous quantitation of Hoechst 33342 and immunofluorescence on viable cells using a fluorescence activated cell sorter. Loken MR. **Cytometry** 1980 Sep; 1(2):136–42
Flow cytogenetic studies in chromosomes and whole cells for the detection of clastogenic effects. Otto FJ, et al. **Cytometry** 1980 Jul;1(1):13–7
Flow cytometric measurement of nuclear DNA content variations as a potential in vivo mutagenicity test. Otto FJ, et al. **Cytometry** 1981 Nov;2(3):189–91
Mathematical evaluation of two parameter flow cytometric histograms. Scholz KU. **Cytometry** 1981 Nov;2(3):159–64
Flow cytometric estimation of DNA and RNA content in intact cells stained with Hoechst 33342 and pyronin Y. Shapiro HM. **Cytometry** 1981 Nov;2(3):143–50
Evaluation of the S phase distribution of flow cytometric DNA histograms by autoradiography and computer algorithms. Sheck LE, et al. **Cytometry** 1980 Sep; 1(2):109–17
The ratio of RNA to total nucleic acid content as a quantitative measure of unbalanced cell growth. Traganos F, et al. **Cytometry** 1982 Jan;2(4):212–8
Caution on the use of lymphocytes as standards in the flow cytometric analysis of cultured cells. Wolley RC, et al. **Cytometry** 1982 May;2(6):370–3
Cell cycle analysis in a human cell line (EUE cells). Zippel R, et al. **Cytometry** 1982 May;2(6):426–30
Preservation of DNA integrity in human and mouse leukemic cells induced to terminally differentiate by chemical agents. Pantazis P, et al. **Dev Biol** 1981 Aug;86(1):55–60
Detection and elimination of cellular nucleic acids in biologicals produced on continuous cell lines. van Wezel AL, et al. **Dev Biol Stand** 1981;50:59–69
Cellular DNA content in normal human thyroid: a flow cytometric study based on frozen biopsy material. Tangen KO, et al. **Diagn Histopathol** 1981 Oct-Dec;4(4):343–8
Prostaglandin prevents alterations in DNA, RNA, and protein in damaged gastric mucosa. Miller TA, et al. **Dig Dis Sci** 1982 Sep;27(9):776–81
Brain and liver deoxyribonucleic acid and ribonucleic acid in the progeny of hypothyroid and growth hormone-treated hypothyroid rats. Porterfield SP, et al. **Endocrinology** 1982 Aug;111(2):406–11
Compositional heterogeneity of the chloroplast DNAs from Euglena gracilis and Spinacia oleracea. Schmitt JM, et al. **Eur J Biochem** 1981 Jul;117(2):375–82
DNA and protein content of different hypotrich ciliates. Ammermann D, et al. **Eur J Cell Biol** 1982 Apr;27(1):22–4
Distribution of nuclear size and DNA content in serial liver biopsies of rats treated with N-nitrosomorpholine, phenobarbital and butylated hydroxytoluene. Romagna F, et al. **Exp Cell Biol** 1981;49(6):294–305
The extra DNA of brain cortex neurons is qualitatively indistinguishable from other somatic DNA. Heizmann CW, et al. **Exp Cell Res** 1981 Oct;135(2):331–9
A high buoyant density fraction in mammalian DNA. Characterization and impact on the detection of heteroduplex DNA. Loveday KS, et al. **Exp Cell Res** 1981 Nov;136(1):177–87
DNA and protein content of mouse sperm. Implications regarding sperm chromatin structure. Pogany GC, et al. **Exp Cell Res** 1981 Nov;136(1):127–36
Inverse relationship between transcriptional activity and 5-methylcytosine content of DNA in polytene chromosomes of sciara coprophila. Wei LH, et al. **Exp Cell Res** 1981 Oct;135(2):411–5
Increased cerebellar thymidine kinase and DNA during early postnatal development of diethylstilbestrol-treated rats. Litteria M. **Exp Neurol** 1982 Feb;75(2):289–98
Measuring nanogram amounts of DNA by photographing fluorescence in thin layers of agarose. Zech M, et al. **Experientia** 1982 Apr 15;38(4):465–6
Synthesis of a human insulin gene. V. Enzymatic assembly, cloning and characterization of the human proinsulin DNA. Brousseau R, et al. **Gene** 1982 Mar;17(3):279–89
Human nucleotide sequences related to the transforming gene of a murine sarcoma virus: studies with cloned viral and cellular DNAs. Chumakov IM, et al. **Gene** 1982 Jan; 17(1):19–26
Sequence of the gene for the constant region of the mu chain of Balb/c mouse immunoglobulin. Goldberg GI, et al. **Gene** 1981 Oct;15(1):33–42
Heteroduplex analysis of tRNAVal3b genes from the 90BC and 84D sites of Drosophila melanogaster. Miller RC Jr, et al. **Gene** 1981 Dec;15(4):361–4
The complete nucleotide sequence of 16S ribosomal RNA gene from tobacco chloroplasts. Tohdoh N, et al. **Gene** 1982 Feb;17(2):213–8
The cytogenetic boundaries of the rDNA region within heterochromatin in the X chromosome of Drosophila melanogaster and their relation to male meiotic pairing sites. Appels R, et al. **Genet Res** 1982 Apr;39(2):149–56
Nucleotide sequences of highly repeated DNAs; compilation and comments. Miklos GL, et al. **Genet Res** 1982 Feb; 39(1):1–30 (124 ref.)
The influence of protected passive mobilization on the healing of flexor tendons: a biochemical and microangiographic study. Gelberman RH, et al. **Hand** 1981 Jun;13(2):120–8
Propidium iodide as a probe for the study of chromatin thermal denaturation in situ. Barni S, et al. **Histochem J** 1981 Sep;13(5):781–91
Hybrido-cytochemical localization of specific DNA sequences by fluorescence microscopy. Bauman JG, et al. **Histochem J** 1981 Sep;13(5):723–33
Electron microscopical localization of nucleic acids by means of nuclease—gold complexes. Bendayan M. **Histochem J** 1981 Sep;13(5):699–710
The effect of different fixatives on chromatin: cytochemical and ultrastructural approaches. Fraschini A, et al. **Histochem J** 1981 Sep;13(5):763–9
Nucleoprotein cytochemistry during oogenesis in a unisexual fish, Poecilia formosa. Monaco PJ, et al. **Histochem J** 1981 Sep;13(5):747–61
Some observations on the mechanisms of blocking of nuclear staining by cisplatin. Sumner AT. **Histochem J** 1982 Mar; 14(2):283–99
Cytochemical hybridisation with fluorochrome-labelled RNA. III. Increased sensitivity by the use of anti-fluorescein antibodies. Bauman JG, et al. **Histochemistry** 1981;73(2):181–93
Microfluorometric investigations of chromatin structure. III. Estimation of histones and DNA in thymocyte and hepatocyte nuclei. Effects of extraction at pH 3.0. Cowden RR, et al. **Histochemistry** 1982;74(4):469–80
Microfluorometric investigations of chromatin structure. I. Evaluation of nine DNA-specific fluorochromes as probes of chromatin organization. Cowden RR, et al.

Histochemistry 1981;72(1):11–23
Studies on DNA content of hepatocytes in cirrhosis and hepatoma by means of microspectrophotometry and radioautography. Koike Y, et al. **Histochemistry** 1982; 73(4):549–62
Combined staining procedures for cytophotometry of protein and DNA Feulgen–Naphthol Yellow S and dinitrofluorobenzene–Feulgen. Mitchell JP, et al. **Histochemistry** 1981;73(2):211–23
Nucleic acid characterisation from developing Bengal gram cotyledons. Srivastava KN, et al. **Indian J Biochem Biophys** 1981 Apr;18(2):149–51
Clinical evaluation of DNA flow cytometry of fine needle aspirates from testes of infertile men. Abyholm T, et al. **Int J Androl** 1981 Oct;4(5):505–14
A highly sensitive technique for staining DNA and RNA in polyacrylamide gels using silver. Boulikas T, et al. **J Biochem Biophys Methods** 1981 Oct;5(4):219–28
Chromosome structure and the C-value paradox. Gall JG. **J Cell Biol** 1981 Dec;91(3 Pt 2):3s–14s (135 ref.)
Analysis of DNA attached to the chromosome scaffold. Kuo MT. **J Cell Biol** 1982 May;93(2):278–84
Age-associated change in macronuclear DNA content in Paramecium caudatum. Takagi Y, et al. **J Cell Sci** 1982 Apr;54:137–47
Molecular epidemiology and carcinogen–DNA adduct detection: new approaches to studies of human cancer causation. Perera FP, et al. **J Chronic Dis** 1982; 35(7):581–600
Flow cytometric deoxyribonucleic acid analysis of granulosa cells aspirated from human ovarian follicles. A new method to distinguish healthy and atretic ovarian follicles. Westergaard L, et al. **J Clin Endocrinol Metab** 1982 Oct; 55(4):693–8
Increased accuracy of absorption cytophotometric DNA values by control of stain intensity. Allison DC, et al. **J Histochem Cytochem** 1981 Oct;29(10):1219–28
Feulgen–deoxyribonucleic acid analysis of rabbit aortic smooth muscle cells using scanning- integrating microdensitometry. Anthony A, et al. **J Histochem Cytochem** 1981 Oct;29(10):1164–70
Mithramycin- and 4'-6-diamidino-2-phenylindole (DAPI)–DNA staining for fluorescence microspectrophotometric measurement of DNA in nuclei, plastids, and virus particles. Coleman AW, et al. **J Histochem Cytochem** 1981 Aug;29(8):959–68
Simultaneous Feulgen densitometry and autoradiographic grain counting with the Quantimet 720D image-analysis system. II. Automated grain counting. Sklarew RJ. **J Histochem Cytochem** 1982 Jan;30(1):49–57
Simultaneous Feulgen densitometry and autoradiographic grain counting with the Quantimet 720D image-analysis system. I. Estimation of nuclear DNA content in 3H-thymidine-labeled cells. Sklarew RJ. **J Histochem Cytochem** 1982 Jan;30(1):35–48
Fundamental aspects of the interaction of propidium diiodide with nuclei acids studied in a model system of polyacrylamide films. Tas J, et al. **J Histochem Cytochem** 1981 Aug;29(8):929–36
DNA measurements by single nuclei flow cytometry in human actinic skin lesions. Frentz G, et al. **J Invest Dermatol** 1981 Dec;77(6):431–3
Effect of incomplete double strandedness of test DNA on DNA binding results. Medof ME. **J Lab Clin Med** 1982 Mar;99(3):410–7
Tumor induction by Agrobacterium tumefaciens: analysis of the boundaries of T-DNA. Zambryski P, et al. **J Mol Appl Gen** 1982;1(4):361–70
Organization of a family of highly repetitive sequences within the human genome. Darling SM, et al. **J Mol Biol** 1982 Jan 5;154(1):51–63
Variable center to center distance of nucleosomes in chromatin. Prunell A, et al. **J Mol Biol** 1982 Jan 25; 154(3):515–23
Ascorbic acid in neural tissues. Kratzing CC, et al. **J Neurochem** 1982 Sep;39(3):625–7
Nuclear area and Feulgen DNA content of normal buccal mucosal smears. Cowpe JG, et al. **J Oral Pathol** 1981 Apr; 10(2):81–6
Genetic diseases: diagnosis by restriction endonuclease analysis. Antonarakis SE, et al. **J Pediatr** 1982 Jun; 100(6):845–56 (76 ref.)
Electrophoretic analysis of endonuclease-generated fragments of k-DNA, of esterase isoenzymes, and of surface proteins as aids for species identification of insect trypanosomatids. Camargo EP, et al. **J Protozool** 1982 May; 29(2):251–8
Isolation and properties of isolated nuclei from the Florida red tide dinoflagellate Gymnodinium breve (Davis). Rizzo PJ, et al. **J Protozool** 1982 May;29(2):217–22
Analysis of the DNA-terminal protein from different serotypes of human adenovirus. Rekosh D. **J Virol** 1981 Oct;40(1):329–333
Response of human leucocytes to yellow fever virus infection in vitro. Yamamoto M, et al. **Kobe J Med Sci** 1981 Aug; 27(4):165–72
A flow cytometric deoxyribonucleic acid analysis of papillary thyroid carcinoma. Johannessen JV, et al. **Lab Invest** 1981 Oct;45(4):336–41
Antenatal diagnosis of sickle cell anemia by sensitive DNA assay [letter] Chang JC, et al. **Lancet** 1982 Jun 26; 1(8287):1463
Quantitation of submicrogram amounts of DNA by rocket electrophoresis. Steinman CR. **Methods Enzymol** 1982;84 Pt D:181–7
Phosphoric acid–its use in the extraction of RNA: staining of DNA in mammalian tissue sections. Dutt MK. **Microsc Acta** 1981 Nov;85(2):153–9
Meta-phosphoric acid–its use in the selective extraction of RNA from fixed tissue sections. Dutt MK. **Microsc Acta** 1981 Nov;85(2):175–9
Basic dyes in the staining of DNA–phosphate groups and DNA–aldehyde molecules in cell nuclei. Dutt MK. **Microsc Acta** 1982 Mar;85(4):361–8
Use of aqueous solutions of two basic dyes for the demonstration of DNA. Dutt MK. **Microsc Acta** 1982 Mar; 85(4):381–6
Basic dyes for the staining of DNA in mammalian tissues and absorption spectra of stained nuclei in the visible light. Dutt MK. **Microsc Acta** 1982 May;86(1):59–68
Complexity and content of the DNA and RNA in Trypanosoma cruzi. Lanar DE, et al. **Mol Biochem Parasitol** 1981 Sep;3(5):327–41
DNA content of cells with generalized chromosome shattering induced by ultraviolet light plus caffeine. Cremer C, et al. **Mutat Res** 1982 May;94(1):133–42
Looking at genes [editorial] Kronenberg HM. **N Engl J Med** 1982 Jul 1;307(1):50–2
Improved detection of the sickle mutation by dna analysis: application to prenatal diagnosis. Orkin SH, et al. **N Engl J Med** 1982 Jul 1;307(1):32–6
Evidence of photon emission from DNA in living systems. Rattemeyer M, et al. **Naturwissenschaften** 1981 Nov; 68(11):572–3
DNA fragments associated with chromosome scaffolds. Bowen BC. **Nucleic Acids Res** 1981 Oct 10;9(19):5093–108
Conformation of DNA in chromatin reconstituted from poly [d(A–T)] and the core histones. Brahms S, et al. **Nucleic Acids Res** 1981 Oct 10;9(19):4879–93
Nucleotide sequences at the boundaries between gene and insertion regions in the rDNA of Drosophilia melanogaster. Dawid IB, et al. **Nucleic Acids Res** 1981 Oct 10; 9(19):5011–20
Comparison of the nucleotide sequence of cloned human and guinea-pig pre-alpha-lactalbumin cDNA with that of chick pre-lysozyme cDNA suggests evolution from a common ancestral gene. Hall L, et al. **Nucleic Acids Res** 1982 Jun 11;10(11):3503–15
Highly variable regions of DNA flank the human alpha globin genes. Higgs DR, et al. **Nucleic Acids Res** 1981 Sep 11;9(17):4213–24
Distribution of 5-methylcytosine in the DNA of somatic and germline cells from bovine tissues. Sturm KS, et al. **Nucleic Acids Res** 1981 Sep 25;9(18):4537–46
H3 and H4 histone cDNA sequences from Xenopus: a sequence comparison of H4 genes. Turner PC, et al. **Nucleic Acids Res** 1982 Jun 25;10(12):3769–80
Nuclease sensitivity of chromatin containing active genes: kinetic analyses utilizing continuous elution of digestion products from an ultrafiltration cell. Vavra KJ, et al. **Nucleic Acids Res** 1981 Nov 11;9(21):5825–43
Antenatal diagnosis of sickle cell disease: amniotic fluid cell DNA analysis. Jones JR, et al. **Obstet Gynecol** 1982 Apr; 59(4):484–9
Sequence heterogeneity in kinetoplast DNA: reassociation kinetics. Steinert M, et al. **Plasmid** 1980 Jan;3(1):7–17
Four small Drosophila heat shock proteins are related to each other and to mammalian alpha-crystallin. Ingolia TD, et al. **Proc Natl Acad Sci USA** 1982 Apr;79(7):2360–4
Higher order DNA structure in macronuclear chromatin of the hypotrichous ciliate Oxytricha nova. Lipps HJ, et al. **Proc Natl Acad Sci USA** 1982 Apr;79(8):2495–9
Nucleosome phasing and micrococcal nuclease cleavage of African green monkey component alpha DNA. Musich PR, et al. **Proc Natl Acad Sci USA** 1982 Jan;79(1):118–22
The 48-base-long primordial building block of immunoglobulin light-chain variable regions is complementary to the primordial building block of heavy-chain variable regions. Ohno S, et al. **Proc Natl Acad Sci USA** 1982 Apr;79(7):2338–41
The prostatic cell: chromosomal and DNA analyses. Sandberg AA. **Prog Clin Biol Res** 1981;75A:75–92
Anomalous small angle scattering. Stuhrmann HB. **Q Rev Biophys** 1981 Aug;14(3):433–60
Evolutionary relationship between HLA-DR antigen beta-chains, HLA-A, B, C antigen subunits and immunoglobulin chains. Larhammar D, et al. **Scand J Immunol** 1981 Dec;14(6):617–22
Long-awaited decision on DNA database [news] Lewin R. **Science** 1982 Aug 27;217(4562):817–8
Structural features of the DNA flanking the human non-alpha globin genes: implications in the control of fetal hemoglobin switching. Forget BG, et al. **Trans Assoc Am Physicians** 1981;94:204–10
Johns Hopkins University, Baltimore, Maryland. Beer M, et al. **Ultramicroscopy** 1982;8(1–2):207–18 (37 ref.)
In situ microfluorometry of whole kinetoplast and nuclear DNA in a single cell of Trypanosoma gambiense and Trypanosoma cruzi. Inoki S, et al. **Zentral Bakteriol Mikrobiol Hyg [A]** 1981;250(1–2):182–90
[Specificity of DNA–peptide and DNA–histone interactions in ultraviolet Raman resonance spectroscopy] Laigle A, et al. **Biochimie** 1981 Nov–Dec;63(11–12):831–3 (Eng. Abstr.) **(Fre)**
[DNA content and cell number in heart and liver of children. Comparable biochemical, cytophotometric and histological investigations (author's transl)] Adler CP, et al. **Pathol Res Pract** 1981 Jul;172(1–2):25–41 (Eng. Abstr.) **(Ger)**
[Histochemical differentiation of nucleic acids] Sinatra S. **Pathologica** 1980 Nov–Dec;72(1022):837–40 **(Ita)**
[Cytophotometric analysis on DNA alteration of mesothelial cells in malignant and non-malignant effusions (author's transl)] Isoda K, et al. **Nippon Kyobu Shikkan Gakkai Zasshi** 1982 Feb; 20(2):159–63 (Eng. Abstr.) **(Jpn)**
[Possible control of gene expression by DNA methylation (author's transl)] Sano H. **Tanpakushitsu Kakusan Koso** 1981 Aug;26(10):1485–94 (80 ref.) **(Jpn)**
[Changes in the nucleic acid content of rat embryos incubated in vitro as affected by 17-beta-estradiol] Dmitrieva LV, et al. **Akush Ginekol (Mosk)** 1981 Nov;(11):54–5 **(Rus)**
[Nuclear proteins and nucleic acids during differentiation of neurons in the spinal cord ganglia, spinal cord and tectum opticum in chickens. Cytophotometric study with computation programs] Olenev SN. **Arkh Anat Gistol Embriol** 1982 Feb;82(2):31–9 (Eng. Abstr.) **(Rus)**
[Probing of the linear distribution of nucleosomes in chromatin] Kharchenko EP, et al. **Biokhimiia** 1982 May; 47(5):713–23 (Eng. Abstr.) **(Rus)**
[Analysis of the usefulness of certain enzyme tests in evaluating the degree of radiation injury to the skin] Matiushichev VB, et al. **Biol Nauki** 1981;(9):40–4 **(Rus)**
[Quantitative distribution of nucleolar nucleic acids in the Purkinje cells during vestibular stimulation and immobilization of rats] Mikeladze ZA, et al. **Biull Eksp Biol Med** 1982 Apr;93(4):105–8 (Eng. Abstr.) **(Rus)**
[Content of different classes of messenger RNA in rat tissues studied by an analysis of RNA DNA–hybridization kinetics] Koloskova TV, et al. **Dokl Akad Nauk SSSR** 1981; 259(4):985–90 **(Rus)**
[Ratio of natural DNA hydration to the GC content] Mrevlishvili GM. **Dokl Akad Nauk SSSR** 1981;260(3):761–4 **(Rus)**
[B-form structure exemplified by thymus DNA. Refinement according to x-ray diffraction and energy criteria] Tumanian VG, et al. **Dokl Akad Nauk SSSR** 1981; 261(6):1462–6 **(Rus)**
[DNA from the tissues of aging rats has a circular dichroism spectrum analogous to the spectrum of gamma-irradiated DNA] Vilenchik MM, et al. **Dokl Akad Nauk SSSR** 1981; 259(6):1488–91 **(Rus)**
[Analysis of cellular nucleoproteins by nucleoprotein-celite-chromatography. I. Structural rearrangements of the chromosomal apparatus coupled with cellular quiescence-growth transitions] S'iakste NI, et al. **Mol Biol (Mosk)** 1981 Nov–Dec;15(6):1321–9 (Eng. Abstr.) **(Rus)**
[2-wave-length method for the quantitative determination of DNA and histones in the same cell nucleus] Selivanova GV, et al. **Tsitologiia** 1982 Mar;24(3):293–9 (Eng. Abstr.) **(Rus)**
[State of the brain nerve cell chromatin and nucleic acid content of the muscles of rats exposed at different sites to decimeter waves under physical loading] Sokolova ZA. **Vopr Kurortol Fizioter Lech Fiz Kult** 1981 Jul–Aug;(4):35–8 (Eng. Abstr.) **(Rus)**
[Chronic tick-bone encephalitis virus infection in continuous human lymphocyte lines studied by molecular hybridization] Drynov ID, et al. **Vopr Virusol** 1982 Jan–Feb;(1):38–41 (Eng. Abstr.) **(Rus)**
[Changes in the concentration of RNA in the brain following treatment with the cholinolytic metamizil] Bolondinskii VK, et al. **Zh Vyssh Nerv Deiat** 1981 Sep–Oct;31(5):1086–8 **(Rus)**
[Changes in nucleic acid and protein content in different regions of the brain is rats reared in enriched and impoverished environments] Vitvitskaia LV, et al. **Zh Vyssh Nerv Deiat** 1982 May–Jun;32(3):455–62 (Eng. Abstr.) **(Rus)**
[DNA and proteins in the liver of rats fed with corn: the importance of expressing the concentration of liver proteins in relation to DNA] Noriega Ponce P, et al. **Arch Latinoam Nutr** 1981 Sep;31(3):471–84 (Eng. Abstr.) **(Spa)**
[DNA content of human spermatozoa] Alonso Lancho MT, et al. **Rev Clin Esp** 1981 Sep 15;162(5):193–6 (Eng. Abstr.) **(Spa)**

ANTAGONISTS & INHIBITORS

The apparent inhibition of urothelial DNA synthesis in neonatal rats by dietary saccharin. Lawson T, et al. **Cancer Lett** 1981 Aug;13(3):259–64
DNA damage by haloalkanes in human lymphocytes cultured in vitro. Perocco P, et al. **Cancer Lett** 1981 Aug;13(3):213–8
Effects of DNA synthesis inhibitors on post-traumatic glial cell proliferation. Billingsley ML, et al. **J Pharmacol Exp Ther** 1982 Sep;222(3):765–70
[Actinomycin D derivatives that recognize 2 DNA GC pairs: bis-actinomycin D] Mikhailov MV, et al. **Dokl Akad Nauk SSSR** 1981;260(1):239–44 **(Rus)**

BIOSYNTHESIS

Effects of spermidine and spermine on DNA synthesis in isolated nuclei and on the activity of DNA polymerases alpha and beta from the mammary gland of pregnant rabbit. Kleczkowska D, et al. **Acta Biochim Pol** 1981; 28(3–4):295–305

Net DNA synthesis catalysed by calf thymus DNA polymerase beta. Siedlecki JA, et al. **Acta Biochim Pol** 1981; 28(2):157–73

Effect of inhibin on rat testicular desoxyribonucleic acid (DNA) synthesis in vivo and in vitro. Franchimont P, et al. **Acta Endocrinol (Copenh)** 1981 Oct;98(2):312–20

Determination of thymidine incorporation activity in the sera from patients with short stature. Nakazawa T, et al. **Acta Endocrinol (Copenh)** 1981 Nov;98(3):352–7

Human monocytes and lymphocytes differ in the rate of DNA repair synthesis and viability after exposure to nitrogen mustard. Lewensohn R, et al. **Acta Med Scand** 1981;210(5):381–7

DNA synthesis–potentiating activity on mouse thymocytes of synovial fluid of rheumatoid arthritis patients. Ise K, et al. **Acta Pathol Jpn** 1982 May;32(3):491–503

Cytopathological effect of partial cystectomy of rats. Tatematsu M, et al. **Acta Pathol Jpn** 1981 Jul;31(4):535–43

Stimulation of Na influx, Na–K pump activity and DNA synthesis in quiescent cultured cells. Rozengurt E. **Adv Enzyme Regul** 1980;19:61–85

An antifolate–induced lesion in newly synthesized DNA. Sedwick WD, et al. **Adv Enzyme Regul** 1980;19:295–308

The effect of ethanol and acetaldehyde on DNA synthesis in growing cells and on fetal development in the rat. Dreosti IE, et al. **Alcoholism (NY)** 1981 Summer; 5(3):357–62

Effects of ginsenosides Rg1 and Rb1 of Panax ginseng on mitosis in root tip cells of Allium cepa. Ng WY, et al. **Am J Chin Med** 1981 Summer;9(2):119–33

Modification of lymphocyte DNA synthesis by alpha 1–antitrypsin. Bata J, et al. **Ann Immunol (Paris)** 1981 May–Jun;132 C(3):275–86

Fidelity of DNA synthesis. Loeb LA, et al. **Annu Rev Biochem** 1982;51:429–57 (234 ref.)

Inhibitors of DNA precursor metabolism in Dictyostelium discoideum. Deering RA, et al. **Antimicrob Agents Chemother** 1982 May;21(5):764–9

Applications of glucocorticosteroids. The effects of twice–daily vs once–every–other–day applications on mouse epidermal cell DNA synthesis. du Vivier A, et al. **Arch Dermatol** 1982 May;118(5):305–8

Anthralin. Different concentration effects on epidermal cell DNA synthesis rates in mice and clinical responses in human psoriasis. Lowe NJ, et al. **Arch Dermatol** 1981 Nov; 117(11):698–700

New coal tar extract and coal tar shampoos. Evaluation by epidermal cell DNA synthesis suppression assay. Lowe NJ, et al. Arch Dermatol 1982 Jul;118(7):487–9

Evaluation of seven sunscreens on hairless mouse skin. Walter JF. **Arch Dermatol** 1981 Sep;117(9):547–50

Evidence of diurnal variation of human epidermal cell proliferation. II. Duration of epidermal DNA synthesis. Schell H, et al. **Arch Dermatol Res** 1981;271(1):49–53

The effect of sesquiterpene lactones on the synthesis of nucleic acid in cultures of human lymphocytes stimulated by phytohemagglutinin. Klimek D, et al. **Arch Immunol Ther Exp (Warsz)** 1981;29(2):195–203

The influence of autologous erythrocytes on active T–cells rosetting with sheep red blood cells and on DNA synthesis. Nowaczyk M, et al. **Arch Immunol Ther Exp (Warsz)** 1981; 29(3):391–6

In vitro synthesis of DNA, protein, and lipids by the de–endothelialized rabbit aorta. Rosenfeld RS, et al. **Arteriosclerosis** 1981 Nov–Dec;1(6):418–26

Stimulation of DNA synthesis by ascorbate in cultures of articular chondrocytes. Krystal G, et al. **Arthritis Rheum** 1982 Mar;25(3):318–25

3–Aminobenzamide stimulates unscheduled DNA synthesis and rejoining of strand breaks in human lymphocytes. Bohr V, et al. **Biochem Biophys Res Commun** 1981 Oct 30; 102(4):1254–61

Stimulation of DNA synthesis in murine fibroblasts by the tumour promoter teleocidin: relationship to phorbol esters and vasopressin. Collins M, et al. **Biochem Biophys Res Commun** 1982 Feb 26;104(4):1159–66

Bleomycin induced inhibition of DNA synthesis in ataxia–telangiectasia cell lines. Edwards MJ, et al. **Biochem Biophys Res Commun** 1981 Sep 30;102(2):610–6

Evidence against the specific initiation of Okazaki fragments at the internucleosomal linkers. Opstelten RJ, et al. **Biochem Biophys Res Commun** 1981 Aug 14;101(3):807–13

Indomethacin inhibits the estrogen–induced DNA synthesis in the rat anterior pituitary gland. Pawlikowski M, et al. **Biochem Biophys Res Commun** 1981 Aug 14;101(3):1052–6

Interaction of vasoactive intestinal peptide with HeLa cells: activation of cyclic AMP–dependent protein kinase and lack of effect on DNA synthesis. Prieto JC, et al. **Biochem Biophys Res Commun** 1981 Dec 15;103(3):799–805

Possible involvement of DNA polymerases alpha and beta in bleomycin–induced unscheduled DNA synthesis in permeable HeLa cells. Seki S, et al. **Biochem Biophys Res Commun** 1982 Feb 26;104(4):1502–8

Effects of adrenalectomy and hydrocortisone on DNA synthesis in the rat anterior pituitary gland. Stępień H, et al. **Biochem Biophys Res Commun** 1981 Jun;100(4):1531–6

The preparation and characterization of locust vitellogenin messenger RNA and the synthesis of its complementary DNA. Applebaum SW, et al. **Biochem J** 1981 Jan 1; 193(1):209–16

Effects of formycin B on human lymphocyte Deoxyribonucleic acid synthesis. Optimization of cell culture conditions. Cowan MJ, et al. **Biochem Pharmacol** 1981 Oct 1;30(19):2651–6

Inhibition of DNA synthesis and alteration to DNA structure by the phenacetin analog p–aminophenol. Hayward NK, et al. **Biochem Pharmacol** 1982 Apr 1;31(7):1425–9

Correlation of thymidine–enhanced incorporation of ara–C in deoxyribonucleic acid with increased cell kill. Major PP, et al. **Biochem Pharmacol** 1981 Aug 15;30(16):2221–4

Effect of 2'–deoxycoformycin on the inhibition of deoxyribonucleic acid synthesis by 9–beta–D–arabinofuranosyladenine 5'–triphosphate. Shewach DS, et al. **Biochem Pharmacol** 1982 Jun 1; 31(11):2103–9

Characterization of deoxyribonucleic acid repair synthesis in permeable human fibroblasts. Dresler SL, et al. **Biochemistry** 1982 May 11;21(10):2557–64

Poly(adenosinediphosphoribose) polymerase inhibitors stimulate unscheduled deoxyribonucleic acid synthesis in normal human lymphocytes. Sims JL, et al. **Biochemistry** 1982 Apr 13;21(8):1813–21

Influence of glycosaminoglycans on endogenous DNA synthesis in isolated normal and cancer cell nuclei. Differential effect of heparin. Furukawa K, et al. **Biochim Biophys Acta** 1982 Jun 30;697(3):344–52

Effect of alpha–difluoromethylornithine on polyamine and DNA synthesis in regenerating rat liver: reversal of inhibition of DNA synthesis by putrescine. Pösö H, et al. **Biochim Biophys Acta** 1982 Feb 26;696(2):179–86

The role of serine hydroxymethyltransferase in cell proliferation: DNA synthesis from serine following mitogenic stimulation of lymphocytes. Eichler HG, et al. **Biosci Rep** 1981 Feb;1(2):101–6

A critique of the use of DNA synthesis as a measure of the effect of mitogens on lymphocytes. Guiguet M, et al. **Biosci Rep** 1982 Feb;2(2):91–8

Inhibition of thymidine incorporation into the DNA of normal and neoplastic cells by a factor from bovine maternal placenta: interaction of the inhibitor with cell membranes. Letnansky K. **Biosci Rep** 1982 Jan;2(1):39–45

Flow cytometric analysis of DNA content of bone marrow cells in patients with plasma cell myeloma: clinical implications. Bunn PA Jr, et al. **Blood** 1982 Mar; 59(3):528–35

Unscheduled DNA synthesis in normal human skin after single and combined doses of UV–A, UV–B and UV–A with methoxsalen (PUVA). Hönigsmann H, et al. **Br J Dermatol** 1981 Nov;105(5):491–501

The effects of topical and systemic glucocorticosteroids on DNA synthesis in different tissues of the hairless mouse. Marshall RC, et al. **Br J Dermatol** 1981 Nov;105(5):517–20

The influence of cyclic nucleotides on DNA synthesis in skin. Carney SA. **Br J Exp Pathol** 1982 Jun;63(3):351–3

DNA chain elongation rates in marrow cells from vitamin B12–deficient patients and methotrexate–treated mice. Bond AN, et al. **Br J Haematol** 1982 Feb;50(2):299–307

Effects of hydroxyurea and benzo(a)pyrene on DNA synthesis in the isolated perfused rat lung. Imamura T, et al. **Bull Environ Contam Toxicol** 1982 Feb;28(2):135–40

Distribution of DNA–bound carcinogen 4–nitroquinoline 1–oxide and of repair–synthesized DNA in chromatin of WI–38 cells. Nose K. **Cancer Lett** 1981 Nov;14(2):205–15

Stimulation of DNA synthesis and cell proliferation in the liver of rats fed a choline–devoid diet and their suppression by phenobarbital. Abanobi SE, et al. **Cancer Res** 1982 Feb; 42(2):412–5

Hormonal regulation of net DNA synthesis in MCF–7 human breast cancer cells in tissue culture. Aitken SC, et al. **Cancer Res** 1982 May;42(5):1727–35

Characterization of growth–inhibitory activities associated with an alpha–macroglobulin of mice. Koo PH. **Cancer Res** 1982 May;42(5):1788–97

CC–1065 (NSC 298223), a novel antitumor agent that interacts strongly with double–stranded DNA. Li LH, et al. **Cancer Res** 1982 Mar;42(3):999–1004

Alkylation and de novo synthesis of liver cell DNA from C3H mice during continuous dimethylnitrosamine exposure. Lindamood C 3d, et al. **Cancer Res** 1982 Oct; 42(10):4153–7

Effect of magnesium content on density–dependent regulation of the onset of DNA synthesis in transformed 3T3 cells. Rubin H. **Cancer Res** 1982 May;42(5):1761–8

Utilization of 5–fluoro–2'–deoxyuridine triphosphate and 5–fluoro–2'–deoxycytidine triphosphate in DNA synthesis by DNA polymerases alpha and beta from calf thymus. Tanaka M, et al. **Cancer Res** 1981 Oct;41(10):4132–5

Interaction of tumor promoters and growth factors with cultured cells. Bowden GT, et al. **Carcinog Compr Surv** 1982;7:463–9

Early induction of the arachidonic acid cascade and stimulation of DNA synthesis by TPA in murine and guinea pig epidermal cells in culture. Fürstenberger G, et al. **Carcinog Compr Surv** 1982;7:325–9

Concentration dependent alterations of DNA replication initiation and elongation by benzo[a]pyrene diol epoxide. Bowden GT, et al. **Carcinogenesis** 1982;3(5):473–80

The effects of methylated thymidines upon cultures of V79 cells and the mechanism of incorporation of O4–methylthymidine into their DNA. Brennand J, et al. **Carcinogenesis** 1982;3(2):219–22

Effect of captan on DNA synthesis in the liver and testes of rats. Decloitre F, et al. **Carcinogenesis** 1980 Apr; 1(4):329–35

Effects of ethylating agents on DNA synthesis in vitro: implications for the mechanism of carcinogenesis. Deutsch J, et al. **Carcinogenesis** 1981;2(5):363–71

The induction of errors during in vitro DNA synthesis following chloroacetaldehyde–treatment of poly(dA–dT) and poly(dC–dG) templates. Hall JA, et al. **Carcinogenesis** 1981;2(2):141–6

Repair of ethylnitrosourea–induced DNA damage in the newborn rat. II. Localization of unscheduled DNA synthesis in the developing rat brain. Heyting C, et al. **Carcinogenesis** 1981;2(11):1173–80

Effects of nickel compounds on incorporation of [3H] thymidine into DNA in rat liver and kidney. Hui G, et al. **Carcinogenesis** 1980 Apr;1(4):297–304

Induction of unscheduled DNA synthesis in rat hepatocytes following in vivo treatment with dinitrotoluene. Mirsalis JC, et al. **Carcinogenesis** 1982;3(3):241–5

Enzymatic synthesis of double–stranded DNA containing radioactively labeled O(6)–ethylguanine as the only modified base. Müller R, et al. **Carcinogenesis** 1981; 2(4):321–7

Inhibition of DNA synthesis in mouse epidermis and breast epithelium by dehydroepiandrosterone and related steroids. Pashko LL, et al. **Carcinogenesis** 1981;2(8):717–21

A human platelet–derived inhibitor of unscheduled DNA synthesis in resting lymphocytes. Pero RW, et al. **Carcinogenesis** 1981;2(11):1103–10

The influence of monocyte (adherent cell) content in human mononuclear blood cell populations on the estimation of individual levels of N–acetoxy–2–acetylaminofluorene induced unscheduled DNA synthesis. Pero RW, et al. **Carcinogenesis** 1982;3(1):39–43

Comparisons of the effects of chemical carcinogens in mixed cultures of rat hepatocytes and human fibroblasts. Strom S, et al. **Carcinogenesis** 1981;2(8):709–15

The induction of ornithine decarboxylase and DNA synthesis in rat hepatocytes after a single administration of diethylnitrosamine. van Wijk R, et al. **Carcinogenesis** 1981; 2(1):27–31

A washable macromolecule from Fv2rr marrow negatively regulates DNA synthesis in erythropoietic progenitor cells BFU–E. Axelrad AA, et al. **Cell** 1981 Oct;26(2 Pt 2):233–44

The relation between the increase in reduced nicotinamide nucleotides and the initiation of DNA synthesis in sea urchin eggs. Whitaker MJ, et al. **Cell** 1981 Jul;25(1):95–103

Intracellular pH during mitogenic stimulation induced by alkaline pH. Engström W. **Cell Biol Int Rep** 1981 Nov; 5(11):1063–70

DNA synthesis and accumulation of acetylated histone in butyrate–treated myogenic cultures. Lough J. **Cell Biol Int Rep** 1981 Jul;5(7):691–8

Colchicine enhances the effect of growth factors on the initiation of DNA synthesis in sparse and confluent swiss 3T3 cells. Otto AM, et al. **Cell Biol Int Rep** 1981 Jul; 5(7):717–24

Effects, in tissue culture, of serum from obese mice on the DNA synthesis of the pancreatic B–cell. Swenne I, et al. **Cell Biol Int Rep** 1981 Jul;5(7):647–52

Effects of serotonin and catecholamines on RNA synthesis in planarians; in vitro and in vivo studies. Franquinet R, et al. **Cell Differ** 1981 Aug;10(4):201–9

DNA synthesis in differentiating neuroblastoma cells following induction by glioma cells. Allin EP, et al. **Cell Mol Biol** 1982;28(1):37–41

Enhancement of DNA synthesis by biliverdin in a non–transformed liver cell strain. Lafarge–Frayssinet C, et al. **Cell Mol Biol** 1981;27(2–3):77–82

Kinetics of protein and DNA synthesis studied by mathematical modelling of flow cytometric protein and DNA histograms. Lindmo T. **Cell Tissue Kinet** 1982 Mar; 15(2):197–211

Partial purification of a low molecular weight inhibitor of epidermal DNA synthesis. Quirk AV, et al. **Cell Tissue Kinet** 1982 Jan;15(1):31–8

Epidermal growth factor stimulates DNA–synthesis of astrocytes in primary cerebellar cultures. Leutz A, et al. **Cell Tissue Res** 1981;220(2):393–404

Inhibitory effects of methyl glyoxal on DNA, RNA and protein synthesis in cultured guinea pig keratocytes. White JS, et al. **Chem Biol Interact** 1982 Feb;38(3):339–47

Study of salivary gland specific transcripts in Chironomus tentans by cDNA analysis. Büchner–Vollmers A, et al. **Chromosoma** 1981;83(3):315–25

Flow cytometric analysis of the effect of ara–C on the chronobiology of bone marrow DNA synthesis. Hromas RA, et al. **Chronobiologia** 1981 Oct–Dec;8(4):369–73

Effects of (+)–octanoylcarnitine on deoxyribonucleic acid synthesis in regenerating rabbit liver. Nakatani T, et al. **Clin Sci** 1982 Mar;62(3):295–7

DNA synthesis during growth and synchronous differentiation of Naegleria. Martin LH, et al. **Cytobios** 1982;33(129):29–38

Competence of embryonic mammalian heart cells in culture: DNA synthesis, mitosis and differentiation. Nag AC, et al. **Cytobios** 1981;30(119):189–208

An immunofluorescence method for monitoring DNA

synthesis by flow cytometry. Gratzner HG, et al. **Cytometry** 1981 May;1(6):385–93

Measurement of DNA synthesis by flow cytometry. Noguchi PD, et al. **Cytometry** 1981 May;1(6):390–3

Functional differentiation in mouse mammary gland epithelium is attained through DNA synthesis, inconsequent of mitosis. Smith GH, et al. **Dev Biol** 1981 Nov;88(1):167–79

Cyclic AMP: a potent inhibitor of DNA synthesis in cultured arterial endothelial and smooth muscle cells. Stout RW. **Diabetologia** 1982 Jan;22(1):51–5

Studies on differentiation without cleavage in Chaetopterus: effects of inhibition of DNA synthesis with aphidicolin. Brachet J, et al. **Differentiation** 1981;19(1):47–54

Differentiation modulates the response of guinea pig epidermal keratinocytes to the stimulation of DNA synthesis by TPA. Delescluse C, et al. **Differentiation** 1981; 20(1):87–91

The acute effects of ionizing radiation on DNA synthesis and the development of antibody-producing cells. Harris G, et al. **Differentiation** 1981;20(1):92–6

Effects of growth hormone, prolactin, and placental lactogen on insulin content and release, and deoxyribonucleic acid synthesis in cultured pancreatic islets. Nielsen JH. **Endocrinology** 1982 Feb;110(2):600–6

The effect of bleomycin on DNA synthesis in ataxia telangiectasia lymphoid cells. Cohen MM, et al. **Environ Mutagen** 1982;4(1):27–36

Pulmonary NO2 toxicity: phosphatidylcholine levels and incorporation of [3H]thymidine into DNA. Blank ML, et al. **Environ Res** 1982 Apr;27(2):352–60

The in vitro mammary gland response to mammotropic hormones in mice with different mammary tumorigenesis. Nagasawa H, et al. **Eur J Cancer** 1981 May;17(5):503–9

Oxidative phosphorylation, enzyme induction and rat liver regeneration: effect of phenobarbital. Ngala Kenda JF, et al. **Eur Surg Res** 1981;13(2):169–77

Studies on toxicity and binding kinetics of abrin in normal and Epstein Barr virus-transformed lymphocyte culture-I: experimental results – 2. Bennett CE, et al. **Exp Cell Biol** 1981;49(6):319–26

Studies on the toxicity and binding kinetics of abrin in normal and Epstein Barr virus-transformed lymphocyte culture-I: experimental results – 1. Witten M, et al. **Exp Cell Biol** 1981;49(6):306–18

Stimulation of DNA synthesis and mitosis of hepatocytes in primary cultures of neonatal rat liver by arachidonic acid and prostaglandins. Andreis PG, et al. **Exp Cell Res** 1981 Aug;134(2):265–72

Inorganic phosphate is necessary for the stimulation of DNA synthesis in swiss 3T3 cells by pure mitogenic agents. Becker MA, et al. **Exp Cell Res** 1982 Jun;139(2):431–6

Involvement of cAMP and cAMP-dependent protein kinase in the initiation of DNA synthesis by rat liver cells. Boynton AL, et al. **Exp Cell Res** 1981 Sep;135(1):199–211

Stimulation of liver cell DNA synthesis by oncomodulin, an MW 11 500 calcium-binding protein from hepatoma. Boynton AL, et al. **Exp Cell Res** 1982 Apr;138(2):454–7

Rate of DNA synthesis determined by flow cytometry using the BrdUrd/Hoechst technique in combination with propidium-iodide staining. Ellwart J, et al. **Exp Cell Res** 1982 May;139(1):111–5

Hormonal regulation of DNA synthesis in primary cultures of adult rat hepatocytes: action of glucagon. Friedman DL, et al. **Exp Cell Res** 1981 Oct;135(2):283–90

Anti-immunoglobulin-induced potassium flux in relation to capping and DNA synthesis. An analysis in monoclonal human B lymphoma cell populations. Heikkilä R, et al. **Exp Cell Res** 1981 Dec;136(2):447–54

Multinucleate plant cells. II. Requirements for nuclear DNA synthesis. Hervás JP, et al. **Exp Cell Res** 1982 Jun; 139(2):341–50

Pattern of DNA synthesis in nuclei of feeding and starving Amoeba proteus. A cytofluorometric study. Makhlin EE. **Exp Cell Res** 1981 Dec;136(2):417–22

An anchorage-dependent locus in the cell cycle for the growth of 3T3 cells. Matsuhisa T, et al. **Exp Cell Res** 1981 Oct;135(2):393–8

Adenosine receptor activation in quiescent Swiss 3T3 cells. Enhancement of cAMP levels, DNA synthesis and cell division. Rozengurt E. **Exp Cell Res** 1982 May;139(1):71–8

Control of DNA synthesis and ornithine decarboxylase activity by hormones and amino acids in primary cultures of adult rat hepatocytes. Tomita Y, et al. **Exp Cell Res** 1981 Oct;135(2):363–71

cAMP uncouples DNA synthesis and cell division in Tetrahymena. Velázquez JM, et al. **Exp Cell Res** 1981 Oct; 135(2):407–11

Low level of U.V.-induced unscheduled DNA synthesis in postmitotic brain cells of hamsters: possible relevance to aging. Gensler HL. **Exp Gerontol** 1981;16(2):199–207

DNA synthesis and hypersensitivity to ultraviolet radiation in Cockayne's syndrome cells. Yatani R, et al. **Exp Mol Pathol** 1982 Jun;36(3):361–72

Stimulation of DNA synthesis in Balb/c 3T3 cells by peripheral nerve degenerating in vitro. Yachnis AT, et al. **Exp Neurol** 1982 Apr;76(1):139–49

Influence of different corpus luteum fractions on the DNA synthesis of cultivated fibroblasts, medial, and endothelial cells. Jakob W, et al. **Exp Pathol** 1981;19(2):130–5

DNA synthesis in cultures of calf aortic endothelial cells treated with corpus luteum extract: its inhibition by 3H-thymidine. Jakob W, et al. **Exp Pathol** 1981;20(1):41–50

Inhibition by carbaryl of DNA, RNA and protein synthesis in cultured rat lung cells. Lockard JM, et al. **Experientia** 1982 Jun 15;38(6):686–7

Paradoxical effect of 1-beta-D-arabinofuranosyl cytosine triphosphate on bleomycin-induced unscheduled DNA synthesis in permeable sarcoma cells. Seki S, et al. **Experientia** 1982 Jun 15;38(6):657–8

In vitro effects of glucocorticoid hormones on the synthesis of DNA in cartilage of neonatal mice. Maor G, et al. **FEBS Lett** 1981 Jul 6;129(2):256–60

Cytomorphological study of cultured mammalian cells treated with benzaldehyde, catechol and their derivatives with special reference to inhibition of DNA synthesis. Nishimura M, et al. **Gan** 1981 Apr;72(2):272–9

Unscheduled DNA synthesis induced by 4-aminoazobenzene, N-hydroxy-4-aminoazobenzene, and their derivatives in primary cultures of rat and mouse hepatocytes. Watanabe HK, et al. **Gan** 1981 Dec;72(6):930–6

Injured vitreous stimulates DNA synthesis in retinal pigment epithelial cells in culture and within the vitreous. Burke JM, et al. **Graefes Arch Clin Exp Ophthalmol** 1982; 218(3):153–5

Liver growth retardation in corticosteroid-treated neonatal mice. Weiss A, et al. **Growth** 1981 Autumn;45(3):216–31

Role of mucosal prostaglandins and DNA synthesis in gastric cytoprotection by luminal epidermal growth factor. Konturek SJ, et al. **Gut** 1981 Nov;22(11):927–32

Effect of carbenoxolone on the synthesis of glycoproteins and DNA in rat gastric epithelial cells. van Huis GA, et al. **Gut** 1981 Oct;22(10):782–7

Nucleic acid synthesis in proliferating peroxisomes of rat liver as revealed by electron microscopical radioautography. Nagata T, et al. **Histochem J** 1982 Mar;14(2):197–204

The assessment of DNA-synthetic activity. Coulton LA, et al. **Histochemistry** 1981;72(1):91–9

Effect of haloperidol on the synthesis of DNA in the pituitary gland of the rat. Machiavelli GA, et al. **Horm Metab Res** 1982 Mar;14(3):150–3

Stimulation of nuclear DNA synthesis in perfused rat liver by a specific hepatopoietic factor. Silz S, et al. **Horm Metab Res** 1981 Oct;13(10):584–5

Pentagastrin stimulation of DNA synthesis and thymidine kinase activity in gastric mucosa of rats. Majumdar AP. **Horm Res** 1981;15(1):37–43

Requirement for the location of both appropriate and irrelevant H-2 antigens on the same stimulator cell for unspecific DNA-synthesis inhibition by the H-2-antigen-primed, specific suppressor T cells. Brondz BD, et al. **Immunogenetics** 1982;15(2):167–76

Regulation of endothelial cell DNA synthesis and adherence. Beliner JA. **In Vitro** 1981 Nov;17(11):985–92

Ontogeny of protein, nucleic acids & amino acids in human foetal brain. Mandal S, et al. **Indian J Exp Biol** 1981 Aug; 19(8):696–701

Effect of DDT on DNA, RNA & protein synthesis in Tetrahymena pyriformis. Saxena DM, et al. **Indian J Exp Biol** 1981 Jun;19(6):568–70

Effect of metal allergens on the DNA synthesis of unsensitized guinea pig lymphoid cells cultured in vitro. Nordlind K. **Int Arch Allergy Appl Immunol** 1982; 69(1):12–7

Tumorigenesis of mammary gland by 7,12-dimethylbenz(a)anthracene during pregnancy: relationship with DNA synthesis. Sinha DK, et al. **Int J Cancer** 1981 Jun 15;27(6):807–10

In vivo enhancement of mitogen-induced lymphocyte DNA synthesis by sodium diethyl-dithiocarbamate (DTC). Neveu PJ, et al. **Int J Immunopharmacol** 1982;4(1):9–13

Changes of nucleic acid and protein synthesis in hypertrophied guinea-pig heart during intermittent hypoxia. Alberghina M, et al. **Ital J Biochem** 1981 May-Jun;30(3):229–41

Regulation of polypeptide synthesis during Caulobacter development: two-dimensional gel analysis. Milhausen M, et al. **J Bacteriol** 1981 Oct;148(1):163–73

The role of putrescine in modulation of DNA synthesis in regenerating liver of rats pretreated with 5-azacytidine. Inoue H, et al. **J Biochem (Tokyo)** 1981 Mar;89(3):861–9

Detection of chemical carcinogens by assay of unscheduled DNA synthesis in rat tracheal epithelium in short-term organ culture. Ide F, et al. **J Cancer Res Clin Oncol** 1981; 102(2):115–26

Carcinogen-mediated amplification of specific DNA sequences. Lavi S. **J Cell Biochem** 1982;18(2):149–56

Gene controlled negative regulation of DNA synthesis in erythropoietic progenitor cells. Axelrad A, et al. **J Cell Physiol** 1982;Suppl 1:165–73

Stimulation of DNA synthesis by transient exposure of cell cultures to TPA or polypeptide mitogens: induction of competence or incomplete removal? Dicker P, et al. **J Cell Physiol** 1981 Oct;109(1):99–109

The relationship of serum fibronectin and cell shape to thrombin-induced inhibition of DNA synthesis in human fibroblasts. Hall WM, et al. **J Cell Physiol** 1981 Nov; 109(2):271–80

DNA synthesis in primary cultures of adult rat hepatocytes in a defined medium: effects of epidermal growth factor, insulin, glucagon, and cyclic-AMP. McGowan JA, et al. **J Cell Physiol** 1981 Sep;108(3):353–63

Selective inhibition of DNA synthesis by a protein released from spleen cells. Miyata S, et al. **J Cell Physiol** 1982 Mar; 110(3):315–7

Effects of serum deprivation on the initiation of DNA synthesis in the second generation in rat 3Y1 cells. Okuda A, et al. **J Cell Physiol** 1982 Mar;110(3):267–70

An autoradiographical study of amino acid and nucleoside incorporation during the cell cycle of Amoeba proteus. Mills KI, et al. **J Cell Sci** 1981 Oct;51:219–28

Dissociation of cytological and functional differential in virgin mouse mammary gland during inhibition of DNA synthesis. Vonderhaar BK, et al. **J Cell Sci** 1982 Feb; 53:97–114

Relationships among release of prolactin, synthesis of DNA and growth of the anterior pituitary gland of the rat: effects of oestrogen and sulpiride. Jahn GA, et al. **J Endocrinol** 1982 Jul;94(1):1–10

A specific biosynthetic marker for immature thymic lymphoblasts. Active synthesis of thymus-leukemia antigen restricted to proliferating cells. Rothenberg E. **J Exp Med** 1982 Jan 1;155(1):140–54

Mouse mammary gland DNA synthesis during pregnancy. Borst DW, et al. **J Exp Zool** 1982 Jun 10;221(2):245–50

Resumption of DNA synthesis during activation of delayed implanting mouse blastocysts. Given RL, et al. **J Exp Zool** 1981 Nov;218(2):253–9

Effect of novobiocin and other DNA gyrase inhibitors on virus replication and DNA synthesis in herpes simplex virus type 1-infected BHK cells. Francke B, et al. **J Gen Virol** 1981 Feb;52(Pt 2):401–4

Flow cytometric analysis of DNA content of mouse liver cells following in vivo infection by human adenovirus type 5. Murray JD, et al. **J Gen Virol** 1981 Nov;57(Pt 1):221–5

Cytotoxicity, Mutagenicity and DNA damage by Hoechst 33342. Durand RE, et al. **J Histochem Cytochem** 1982 Feb; 30(2):111–6

Suppressor cell activity in tumor-bearing mice. III. Co-purification of a factor inhibiting cellular DNA synthesis and DNA polymerase activity. Farrar WL, et al. **J Immunol** 1981 Dec;127(6):2339–44

A microfluorometric assay for the measurement of de novo DNA synthesis in individual cells. Gordon LK, et al. **J Immunol** 1981 Oct;127(4):1634–9

Adenosine-5'-triphosphate-(ATP) mediated stimulation and suppression of DNA synthesis in lymphoid cells. I. Characterization of ATP responsive cells in mouse lymphoid organs. Ikehara S, et al. **J Immunol** 1981 Nov; 127(5):1834–8

Physicochemical characterization of a PMN-derived soluble fraction that enhances lymphocyte DNA synthesis. Nakamura S, et al. **J Immunol** 1982 Jun;128(6):2614–21

Staphylococcus aureus cowan I and Branhamella catarrhalis as B lymphocyte mitogens. Culture conditions for optimal DNA synthesis and selective stimulation of human B lymphocytes. Banck G. **J Immunol Methods** 1982; 51(3):279–86

Percutaneous absorption of methotrexate: effect on epidermal DNA synthesis in hairless mice. Ball MA, et al. **J Invest Dermatol** 1982 Jul;79(1):7–10

Photoaugmentation in the hairless mouse: a study using ornithine decarboxylase activity and alteration of DNA synthesis as markers of epidermal response. Gange RW, et al. **J Invest Dermatol** 1981 Nov;77(5):393–6

Chemical analysis of glycosaminoglycans inhibiting DNA synthesis. Aoi Y, et al. **J Med** 1981;12(2-3):127–46

Heart mitochondrial DNA synthesis: preferential inhibition by adriamycin. Hixon SC, et al. **J Mol Cell Cardiol** 1981 Sep;13(9):855–60

Autoradiographic demonstration of unscheduled DNA synthesis in oral tissues treated with chemical carcinogens in short-term organ culture. Ide F, et al. **J Oral Pathol** 1981 Apr;10(2):113–23

Repair of Bleomycin-damaged DNA by human fibroblasts. Hurt MM, et al. **J Supramol Struct Cell Biochem** 1981; 16(4):303–9

Unscheduled synthesis of DNA and poly(ADP-ribose) in human fibroblasts following DNA damage. McCurry LS, et al. **J Supramol Struct Cell Biochem** 1981;17(1):87–90

Population distribution of labelled DNA and the effects of cell division. Reiner JM. **J Theor Biol** 1981 Dec 7; 93(3):533–9

Alterations to controls of cellular DNA synthesis by adenovirus infection. Braithwaite AW, et al. **J Virol** 1981 Aug;39(2):331–40

Inhibitory effect of E-5-(2-bromovinyl)-1-beta-D-arabinofuranosyluracil on herpes simplex virus replication and DNA synthesis. Descamps J, et al. **J Virol** 1982 Jul;43(1):332–6

Unscheduled DNA synthesis in human oral mucosa treated with chemical carcinogens in short-term organ culture. Ide F, et al. **JNCI** 1982 Sep;69(3):557–63

Carcinogen-induced DNA damage and cellular alterations in F344 rat colon organ cultures. Telang NT, et al. **JNCI** 1982 Jun;68(6):1015–22

Effect of cimetidine on deoxyribonucleic acid biosynthesis in gastrointestinal mucosa of rats. Seima Y, et al. **Jpn J Pharmacol** 1981 Apr;31(2):269–74

The relation between intracellular pH and DNA synthesis rate in proliferating lymphocytes. Gerson DF. **KROC Found Ser** 1981;15:375–83 (44 ref.)

DNA synthesis in the urinary tract epithelium of the rat induced by ureteric ligation. Herbertson BM, et al. **Lab Invest** 1981 Sep;45(3):285–94

Acceleration of DNA synthesis in post-hepatectomized

regenerating liver of normal rat by insulin and glucagon. Takatsuki K, et al. **Life Sci** 1981 Dec 21;29(25):2609–15

Unscheduled DNA synthesis in cells of different shape in fibroblast cultures from donors of various ages. Hennis HL 3d, et al. **Mech Ageing Dev** 1981;16(4):355–61

Reactivation of DNA synthesis in aging diploid human skin fibroblasts by fusion with mouse L karyoplasts cytoplasts and whole L cells. Nette EG, et al. **Mech Ageing Dev** 1982 Jan;18(1):75–87

In vitro life span and 'unscheduled DNA synthesis' in subconfluent cultures and clones of trisomic and normal diploid fibroblasts. Rebhorn H, et al. **Mech Ageing Dev** 1982 Mar;18(3):201–8

Effect of polyamines on the fidelity of macromolecular synthesis. Abraham AK. **Med Biol** 1981 Dec; 59(5–6):368–73

Role of polyamines in HeLa cell proliferation. Herbst EJ, et al. **Med Biol** 1981 Dec;59(5–6):410–6

Effect of platelet-derived growth factor on DNA and protein synthesis in cultured rat calvaria. Canalis E. **Metabolism** 1981 Oct;30(10):970–5

Effect of bone-derived growth factor on DNA, RNA, and proteoglycan synthesis in cultures of rabbit costal chondrocytes. Kato Y, et al. **Metabolism** 1982 Aug; 31(8):812–5

Stage specific protein and nucleic acid synthesis during the asexual cycle of the rodent malaria Plasmodium chabaudi. Newbold CI, et al. **Mol Biochem Parasitol** 1982 Jan; 5(1):33–44

Induction of cellular deoxyribonucleic acid synthesis in butyrate-treated cells by simian virus 40 deoxyribonucleic acid. Kawasaki S, et al. **Mol Cell Biol** 1981 Nov; 1(11):1038–47

Immuno-suppressive lymphocyte factors–III. Complete purification and partial characterization of human inhibitor of DNA synthesis. Jegasothy BV, et al. **Mol Immunol** 1981 May;18(5):395–401

Critical appraisal of the 'mouse testicular DNA-synthesis inhibition test' for the detection of mutagens and carcinogens. Donatsch P, et al. **Mutat Res** 1982 Feb 22; 92(1–2):265–73

The Hela DNA-synthesis inhibition test as a rapid screen for mutagenic carcinogens. Painter RB, et al. **Mutat Res** 1982 Feb 22;92(1–2):427–37

In vivo and in vitro ethylene oxide exposure of human lymphocytes assessed by chemical stimulation of unscheduled DNA synthesis. Pero RW, et al. **Mutat Res** 1981 Sep;83(2):271–89

Inhibition of DNA synthesis accompanied by stimulation of protein synthesis in novobiocin-treated developing sea urchins. Speck WT, et al. **Mutat Res** 1982 Apr; 104(1–3):125–30

Uracil in DNA in megaloblastic anemia [letter] Luzzatto L, et al. N **Engl J Med** 1981 Nov 5;305(19):1156–7

Effect of hypoxia on nucleic acid and protein synthesis in different brain regions. Serra I, et al. **Neurochem Res** 1981 May;6(5):595–605

Effect of CDP-choline on the biosynthesis of nucleic acids and proteins in brain regions during hypoxia. Serra I, et al. **Neurochem Res** 1981 Jun;6(6):607–18

Hemimethylated duplex DNAs prepared from 5-azacytidine-treated cells. Jones PA, et al. **Nucleic Acids Res** 1981 Jun 25;9(12):2933–47

Studies on corneal endothelial growth and repair. III. Effects of DNA and RNA synthesis inhibitors upon restoration of transparency following injury. Gordon SR, et al. **Ophthalmic Res** 1982;14(3):195–209

Influence of certain vasoactive substances on DNA synthesis in human endothelial cultures. Wright HP, et al. **Parol Arterielle** 1981;7(1):7–12

Repair of O6-ethylguanine in DNA by a chromatin fraction from rat liver: transfer of the ethyl group to an acceptor protein. Mehta JR, et al. **Proc Natl Acad Sci USA** 1981 Nov;78(11):6766–70

Effect of macrophages on fibroblast DNA synthesis and proliferation. Diegelmann RF, et al. **Proc Soc Exp Biol Med** 1982 Apr;169(4):445–51

Nyctohemeral and seasonal variations in the number of tritiated thymidine labelled cells in the epiphyseal cartilage of the tibia in the growing rat. Effect of lighting duration and temperature. Oudet C, et al. **Prog Clin Biol Res** 1981; 59C(00):187–94

X-ray inhibition of DNA synthesis at discrete times during S phase in synchronous human diploid fibroblasts. Kapp LN, et al. **Radiat Res** 1982 Feb;89(2):424–7

Monoclonal human B lymphoma cells respond to DNA synthesis to anti-immunoglobulins in the presence of the tumour promotor TPA. Godal T, et al. **Scand J Immunol** 1982;15(3):267–74

DNA synthesis in cultured adult cardiocytes. Cantin M, et al. **Science** 1981 Oct 30;214(4520):569–70

DNA and RNA defects in beta+ and beta 0 thalassemias. Bank A. **Tex Rep Biol Med** 1980–81;40:343–54 (74 ref.)

A simplified method for measuring scheduled and unscheduled DNA synthesis in human fibroblasts. Agrelo CE, et al. **Toxicology** 1981;21(2):151–8

DNA synthesis in human duodenal biopsies maintained in organ culture. Fluge G, et al. **Virchows Arch [Cell Pathol]** 1981;38(2):141–8

DNA and histone synthesis of butyrate-inhibited BSC-1 cells infected with SV40. Daniell E, et al. **Virology** 1982 Jan 15;116(1):196–206

Effect of 2'5'-oligoadenylic acid on a mouse cell line partially resistant to interferon. Panet A, et al. **Virology** 1981 Oct 30;114(2):567–72

[Biorhythm changes in DNA synthesis in hepatocytes exposed to organophosphates and strontium-89] Burkova T, et al. **Probl Khig** 1981;6:92–100 (Eng. Abstr.) **(Bul)**

[Effect of harringtonine and its allied alkaloids on DNA synthesis in mice bearing leukemias P388. L615 and normal mice (author's transl)] Xu YT, et al. **Chung Kuo Yao Li Hsueh Pao** 1981 Dec;2(4):252–6 (Eng. Abstr.) **(Chi)**

[Effect of insulin on DNA synthesis in the liver of rats refed after starvation] Simek J, et al. **Sb Ved Pr Lek Fak Univ Karlovy [Suppl]** 1981;24(1):115–21 **(Cze)**

[Timing of macronuclear DNA synthesis in carnivorous forms of Tetrahymena paravorax] Méténier G. **Eur J Cell Biol** 1981 Jun;24(2):252–8 (Eng. Abstr.) **(Fre)**

[Semiconservative and unscheduled DNA-synthesis of rat thymocytes under the influence of some radioprotecting and radiosensitizing agents (author's transl)] Tempel K, et al. **Strahlentherapie** 1982 Feb;158(2):112–22 **(Ger)**

[Studies on the possible influence of oxamethacin upon DNA synthesis, DNA reparation and the supercoiled structure of DNA is spleen cells of mice] Bröll H, et al. **Z Rheumatol** 1980 Nov–Dec;39(11–12):401–5 (Eng. Abstr.) **(Ger)**

[Unscheduled DNA synthesis in involved and uninvolved psoriatic skin after ultraviolet irradiation (author's transl)] Aso K, et al. **Nippon Hifuka Gakkai Zasshi** 1981 Sep; 91(10):1037–43 **(Jpn)**

[A photosensitive disease with a defect in the recovery of DNA synthesis after UV irradiation (author's transl)] Ichihashi M, et al. **Nippon Hifuka Gakkai Zasshi** 1981 Jun; 91(7):751–7 **(Jpn)**

[DNA synthesis induction in the rat brain during learning] Ashapkin VV, et al. **Biol Nauki** 1981;(11):30–4 **(Rus)**

[Study of the biological activity of chalones isolated from normal and regenerating liver] Ketlinskii SA, et al. **Biull Eksp Biol Med** 1981 Jul;92(7):96–8 (Eng. Abstr.) **(Rus)**

[Heterogeneity of the functional properties of macrocolonies of rat small intestine epitheliocytes] Nesterenko VS. **Biull Eksp Biol Med** 1981 Jun;91(6):741–3 (Eng. Abstr.) **(Rus)**

[Inhibition of DNA synthesis in vitro in normal and leukemic s]pleen cells after administration of a lyophilized aqueous extract of normal spleen tissue] Svirnovskiĭ AI, et al. **Biull Eksp Biol Med** 1981 Jun;91(6):715–7 **(Rus)**

[Isolation and identification of the matrix RNA that codes the polypeptide precursor of beta-lipotropic and corticotropic hormones. The synthesis of complementary DNA] Golovin SIa, et al. **Dokl Akad Nauk SSSR** 1981; 261(4):1009–12 **(Rus)**

[Effect of space flight factors on the stress reaction of the rat liver nuclear nucleic acid system] Komolova GS, et al. **Dokl Akad Nauk SSSR** 1981;260(1):236–9 **(Rus)**

[Synthesis of full-length complementary DNA on a matrix of partially purified human procollagen mRNA in the presence of a ribonuclease inhibitor] Ryskov AP, et al. **Dokl Akad Nauk SSSR** 1982;262(1):237–41 **(Rus)**

[DNA and RNA synthesis in isolated nuclei of rat skeletal muscle fibers following hypokinesia] Fedorov IV, et al. **Fiziol Zh SSSR** 1981 Oct;67(10):1521–4 (Eng. Abstr.) **(Rus)**

[Enzymatic DNA synthesis on a procollagen mRNA matrix from human fibroblasts] Ryskov AP, et al. **Genetika (Moskva)** 1981;17(8):1390–7 **(Rus)**

[DNA reparative synthesis in cattle blood lymphocytes normally and in chronic lympholeukemia] Azizov IuM, et al. **Izv Akad Nauk SSSR [Biol]** 1982;(2):293–7 (Eng. Abstr.) **(Rus)**

[Cytotoxic changes in the nucleic acid content in a culture of tumor and normal cells as affected by a complex preparation from Bacillus mesentericus AB-56] Khomiak OG, et al. **Mikrobiol Zh** 1981 Sep–Oct;43(5):650–6 (Eng. Abstr.) **(Rus)**

[Palindromic and repetitive sequences in initiation sites of DNA replication in Tetrahymena] Borkhsenius SN, et al. **Mol Biol (Mosk)** 1981 Jul–Aug;15(4):816–23 (Eng. Abstr.) **(Rus)**

[DNA synthesis in the process of rat spermatogenesis] Glazkov MV, et al. **Ontogenez** 1981;12(5):470–6 (Eng. Abstr.) **(Rus)**

[DNA-synthesizing capacity of mast cells at various stages of differentiation] Khrushchov NG, et al. **Ontogenez** 1982 Mar–Apr;13(2):176–9 (Eng. Abstr.) **(Rus)**

[Estrogen-dependent changes in DNA synthesis in the rat adenohypophyseal cells] Komolov IS, et al. **Probl Endokrinol (Mosk)** 1981 May–Jun;27(3):56–61 (Eng. Abstr.) **(Rus)**

[Synergism of the action of gamma radiation and radiotoxins. 2. Its development, DNA synthesis and chromosome aberrations] Kuzin AM, et al. **Radiobiologiia** 1981 May–Jun; 21(3):348–51 **(Rus)**

[Effect of irradiating human lymphocytes in stages Go and G1 of the cell cycle on DNA synthesis] Lychev VA, et al. **Radiobiologiia** 1982 Mar–Apr;22(2):243–6 (Eng. Abstr.) **(Rus)**

[DNA-synthesizing cells in the peripheral blood of patients with meningococcal infection] Ermak TN, et al. **Sov Med** 1981;(11):29–33 (Eng. Abstr.) **(Rus)**

[Effect of chalones from liver tissues of intact rats on DNA synthesis and mitotic activity in hepatocytes of regenerating liver] Rodionov VM, et al. **Vopr Med Khim** 1981 May–Jun; 27(3):405–8 (Eng. Abstr.) **(Rus)**

BLOOD

Low sensitivity of plasma DNA in screening for pulmonary embolism. Goldhaber SZ, et al. **Am Rev Respir Dis** 1982 Aug;126(2):360–1

Plasma and serum concentrations of DNA in pulmonary thromboembolism. Lippmann ML, et al. **Am Rev Respir Dis** 1982 Apr;125(4):416–9

Measurement of plasma DNA by a physiochemical method: relevance in SLE. Klemp P, et al. **Ann Rheum Dis** 1981 Dec;40(6):593–9

Core particle stability critically depends upon a small number of terminal nucleotides. Erard M, et al. **Biophys Chem** 1981 Oct;14(2):123–33

The effect of an individual's blood pressure on the percentage of total 7,12-dimethylbenz[a] anthracene metabolites that bind covalently to DNA in cultured resting lymphocytes. Pero RW, et al. **Chem Biol Interact** 1981 Oct;37(1–2):1–12

Atypical base composition of foldback DNA. Lee DH, et al. **Experientia** 1982 Mar 15;38(3):344–6

Clinical significance of a serum DNA binding protein (64-DP) in evaluating malignant diseases. Nakasaki H, et al. **Gan** 1981 Apr;72(2):280–8

The role of chromosomal proteins in the induction of a differential staining of sister chromatids by light. Buys CH, et al. **Histochem J** 1981 Sep;13(5):735–46

Detection and semiquantitation of DNA by counterimmunoelectrophoresis (CIE). Steinman CR. **Methods Enzymol** 1982;84 Pt D:187–93

Protection of discrete DNA fragments by the complex H1-octamerhistones or H5-octamerhistones after micrococcal nuclease digestion. Muyldermans S, et al. **Nucleic Acids Res** 1981 Aug 11;9(15):3671–80

Chicken erythrocyte nucleus contains two classes of chromatin that differ in micrococcal nuclease susceptibility and solubility at physiological ionic strength. Fulmer AW, et al. **Proc Natl Acad Sci USA** 1981 Oct;78(10):5968–72

[Clinical significance of DNA circulating in the blood in systemic lupus erythematosus] Demin AA, et al. **Klin Med (Mosk)** 1982 Mar;60(3):97–100 (Eng. Abstr.) **(Rus)**

[Comparative study of the action of phytohemagglutinin on DNA fluorescence in the lymphocytes of women with physiological pregnancy and in threatened abortion] Tolmachev VS, et al. **Tsitol Genet** 1981 Jul–Aug;15(4):16–8 (Eng. Abstr.) **(Rus)**

[Factors of a nucleic nature in human blood plasma] Blinov MN, et al. **Vopr Med Khim** 1981 Sep–Oct;27(5):600–3 (Eng. Abstr.) **(Rus)**

CHEMICAL SYNTHESIS

Sequence-specific priming of the in vitro synthesis of DNA complementary to citrus exocortis viroid. Rohde W, et al. **FEBS Lett** 1981 Aug 3;130(2):208–12

An alternate method for synthesis of double-stranded DNA segments. Rossi JJ, et al. **J Biol Chem** 1982 Aug 25; 257(16):9226–9

Studies on deoxyribonucleic acids and related compounds. V. Synthesis of pentadecanucleotide duplex containing the ideal Pribnow sequence of promoter by the phosphotriester method using a new phosphorylating reagent. Ohtsuka E, et al. **Nucleic Acids Res** 1982 Apr 24;10(8):2597–608

Chemical synthesis of 27-desamidosecretin gene by the polymer support method. Miyoshi K, et al. **Nucleic Acids Symp Ser** 1981;(10):197–200

Automated synthesis of gene fragments. Alvarado-Urbina G, et al. **Science** 1981 Oct 16;214(4518):270–4

[DNA-like duplexes containing repetitions. V. Chemical template synthesis of polynucleotides containing 3',5'-pyrophosphate internucleotide bonds] Purmal' AA, et al. **Dokl Akad Nauk SSSR** 1982;265(1):242–5 **(Rus)**

[Broadening the possibility of synthesis of complementary DNA by the method of reverse transcription] Kavsan VM, et al. **Usp Sovrem Biol** 1981 May–Jun;91(3):323–33 (118 ref.) **(Rus)**

DIAGNOSTIC USE

Use of methyl green-DNA agarose for detecting deoxyribonuclease activity in polyacrylamide gels. Porter AC. **Anal Biochem** 1981 Oct;117(1):28–31

GENETICS

Diversification of antibody genes through DNA rearrangements. Huang H, et al. **Adv Exp Med Biol** 1981; 137:475–88

Use of restriction fragment length polymorphisms for genetic counseling: population genetic considerations. Asmussen MA, et al. **Am J Hum Genet** 1982 May;34(3):369–80

Skeletal DNA and the evolution of genome size. Cavalier-Smith T. **Annu Rev Biophys Bioeng** 1982; 2:273–302 (150 ref.)

Gene conversion: a possible mechanism for eliminating selfish DNA. Holliday R. **Basic Life Sci** 1982;20:259–64

Chromosomal and nonchromosomal DNA: a summary and perspective. Olins AL. **Basic Life Sci** 1982;20:333–4

Mutagenesis from a chemical perspective: nucleic acid reactions, repair, translation, and transcription. Singer B. **Basic Life Sci** 1982;20:1–42 (157 ref.)

Cloning and sequencing of cDNA for mouse liver metallothionein-1. Mbikay M, et al. **Biochem Biophys Res Commun** 1981 Dec 15;103(3):825–32

The construction and partial characterization of plasmids containing complementary DNA sequences to human calcitonin precursor polyprotein. Allison J, et al. **Biochem J** 1981 Dec 1;199(3):725–31

Cytoplasmic RNA sequences complementary to cloned chick delta-crystallin cDNA show size heterogeneity. Bower DJ, et al. **Biochem J** 1982 Feb 1;201(2):339–44

The construction, identification and partial characterization of plasmids containing guinea-pig milk protein complementary DNA sequences. Craig RK, et al. **Biochem J** 1981 Mar 15;194(3):989–98

Characterization of the translation products of the major mRNA species from rabbit lactating mammary glands and construction of bacterial recombinants containing casein and alpha-lactalbumin complementary DNA. Suard YM, et al. **Biochem J** 1982 Jan 1;201(1):81–90

Influence of the ionic environment on the in vitro transcription of the spinach plastid DNA by a selectively bound RNA-polymerase DNA complex. Blanc M, et al. **Biochim Biophys Acta** 1981 Oct 27;655(3):374–82

DNA methylation in mouse cells in culture as measured by restriction enzymes. Reilly JG, et al. **Biochim Biophys Acta** 1982 Apr 26;697(1):53–9

Selective alkylation of nucleic acids by carcinogens may cause miscoding in DNA. A theoretical study. Klopman G, et al. **Cancer Biochem Biophys** 1982;6(1):31–5

Defective removal of DNA cross-links in a repair-deficient mutant of Chinese hamster cells. Meyn RE, et al. **Cancer Res** 1982 Aug;42(8):3106–10

Localization of DNA sequences necessary for transcription of the rabbit beta-globin gene in vitro. Grosveld GC, et al. **Cell** 1981 Jul;25(1):215–26

Short interspersed repetitive DNA elements in eucaryotes: transposable DNA elements generated by reverse transcription of RNA pol III transcripts? Jagadeeswaran P, et al. **Cell** 1981 Oct;26(2 Pt 2):141–2 (0 ref.)

Human U1 loci: genes for human U1 RNA have dramatically similar genomic environments. Manser T, et al. **Cell** 1982 May;29(1):257–64

Transcription of a gene for human U1 small nuclear RNA. Murphy JT, et al. **Cell** 1982 May;29(1):265–74

Isolation and characterization of chicken DNA homologous to the two putative oncogenes of avian erythroblastosis virus. Vennström B, et al. **Cell** 1982 Jan;28(1):135–43

Nuclease-sensitivity of prostatic binding protein gene sequences in rat ventral prostate. Hiremath ST, et al. **Cell Biol Int Rep** 1982 Mar;6(3):279–85

Rapid and high resolution detection of in situ hybridisation to polytene chromosomes using fluorochrome-labeled RNA. Bauman JG, et al. **Chromosoma** 1981;84(1):1–18

An electron microscopic analysis of transcription of nucleolar chromatin isolated from Tetrahymena pyriformis. Borkhardt B, et al. **Chromosoma** 1981;84(1):131–43

Long and short repeats of sea urchin DNA and their evolution. Moore GP, et al. **Chromosoma** 1981;84(1):19–32

Evolution of muntjac DNA. Schmidtke J, et al. **Chromosoma** 1981;84(2):187–93

The organization of macronuclear rDNA molecules of four hypotrichous ciliated protozoans. Swanton MT, et al. **Chromosoma** 1982;85(1):1–9

Elimination of DNA sequences during macronuclear differentiation in Tetrahymena thermophila, as detected by in situ hybridization. Yokoyama RW, et al. **Chromosoma** 1982;85(1):11–22

Transcriptional control regions: nucleotide sequence requirements for initiation by RNA polymerase II and III. Shenk T. **Curr Top Microbiol Immunol** 1981;93:25–46 (162 ref.)

A family of proteins accumulating in ectoderm of sea urchin embryos specified by two related cDNA clones. Bruskin AM, et al. **Dev Biol** 1982 Jun;91(2):317–24

Clustered genes require extragenic territorial DNA sequences. Naora H, et al. **Differentiation** 1982;21(1):1–6

Two aspects of DNA polymorphism and microheterogeneity: molecular electrostatic potential and steric accessibility. Pullman B, et al. **Eur J Biochem** 1982 May 17;124(2):229–38

Localization of genes on fractionated rat chromosomes by molecular hybridization. Collard JG, et al. **Exp Cell Res** 1982 Feb;137(2):463–9

Recombination frequency and DNA content of the distal part of the second chromosome of Drosophila hydei Sturtevant. Grond CJ, et al. **Experientia** 1982 Mar 15;38(3):328–9

Sequence organization in the DNA of three Selachians. Olmo E, et al. **Experientia** 1982 Mar 15;38(3):339–40

Mobile dispersed repeated DNA elements in the Drosophila genome. Strobel E. **Fed Proc** 1982 Aug;41(10):2656–8

Characterization of the nuclear ribosomal DNA of Euglena gracilis. Curtis SE, et al. **Gene** 1981 Nov;15(2–3):237–47

Cloning and characterization of a genomic DNA fragment carrying the basic copy of the gene coding for variant surface antigen 118 of Trypanosoma brucei. Davison J, et al. **Gene** 1982 Jan;17(1):101–6

Solution hybridization using cloned, 5'-32P-labeled, double-stranded DNA to distinguish among closely related nucleic acids. Ross J, et al. **Gene** 1981 Dec;16(1–3):171–7

Isolation and characterization of rat ribosomal DNA clones. Rothblum LI, et al. **Gene** 1982 Jan;17(1):75–7

Molecular cloning of double-stranded cDNA from the eye lens of the frog Rana temporaria: construction of the cDNA clonotheque and identification of a clone containing the nucleotide sequences of the lambda-crystallin gene. Tomarev SI, et al. **Gene** 1982 Feb;17(2):131–8

Development of binuclearity and DNA-polyploidization in the growing mouse liver. Böhm N, et al. **Histochemistry** 1981;72(1):55–61

Excessive reversible phenobarbital induced nuclear DNA-polyploidization in the growing mouse liver. Böhm N, et al. **Histochemistry** 1981;72(1):63–74

Human inherited marker chromosome 22 short-arm enlargement: investigation of rDNA gene multiplicity, Ag-band size, and acrocentric association. Bernstein R, et al. **Hum Genet** 1981;58(2):135–9

The Mendelian inheritance of a human X chromosome-specific DNA sequence polymorphism and its use in linkage studies of genetic disease. Hill ME, et al. **Hum Genet** 1982;60(3):222–6

Analysis of bovidae genomes: part III—Organization of repeated & non-repeated DNA sequences in buffalo. Mehra U, et al. **Indian J Biochem Biophys** 1981 Oct;18(5):329–33

Construction and identification of a hybrid plasmid containing DNA sequence complementary to phenobarbital-inducible cytochrome P-450 messenger RNA from rat liver. Fujii-Kuriyama Y, et al. **J Biochem (Tokyo)** 1981 Jun;89(6):1869–79

Nucleotide sequence of 7 S RNA. Homology to Alu DNA and La 4.5 S RNA. Li WY, et al. **J Biol Chem** 1982 May 10;257(9):5136–42

beta-Thalassemia in a Kurdish Jew. Single base changes in the T-A-T-A box. Poncz M, et al. **J Biol Chem** 1982 Jun 10;257(11):5994–6

Structure of the Syrian hamster ribosomal DNA repeat and identification of homologous and nonhomologous regions shared by human and hamster ribosomal DNAs. Triezenberg SJ, et al. **J Biol Chem** 1982 Jul 10; 257(13):7826–33

DNA-mediated gene transfer without carrier DNA. Huttner KM, et al. **J Cell Biol** 1981 Oct;91(1):153–6

Site-specific insertion of genes into T-DNA of the Agrobacterium tumor-inducing plasmid: an approach to genetic engineering of higher plant cells. Matzke AJ, et al. **J Mol Appl Gen** 1981;1(1):39–49

Co-expression and amplification of dihydrofolate reductase cDNA and the Escherichia coli XGPRT gene in Chinese hamster ovary cells. Ringold G, et al. **J Mol Appl Gen** 1981;1(3):165–75

An analysis of mRNAs for a group of heat shock proteins of soybean using cloned cDNAs. Schöffl F, et al. **J Mol Appl Gen** 1982;1(4):301–14

Construction and characterization of SV40 recombinants with beta-globin cDNA substitutions in their early regions. Southern PJ, et al. **J Mol Appl Gen** 1981;1(3):177–90

The ribosomal DNA of Calliphora erythrocephala. The cistron classes of total genomic DNA. Beckingham K. **J Mol Biol** 1981 Jun 25;149(2):141–69

Gene amplification in methotrexate-resistant mouse cells. II. Rearrangement and amplification of non-dihydrofolate reductase gene sequences accompany chromosomal changes. Bostock CJ, et al. **J Mol Biol** 1981 Dec 5; 153(2):219–36

Short intervening sequences close to the 5' ends of the three Drosophila larval serum protein 1 genes. McClelland A, et al. **J Mol Biol** 1981 Dec 5;153(2):257–72

Gene amplification in methotrexate-resistant mouse cells. I. DNA rearrangement accompanies dihydrofolate reductase gene amplification in a T-cell lymphoma. Tyler-Smith C, et al. **J Mol Biol** 1981 Dec 5;153(2):203–18

Gene amplification in methotrexate-resistant mouse cells. III. Interrelationships between chromosome changes and DNA sequence amplification or loss. Tyler-Smith C, et al. **J Mol Biol** 1981 Dec 5;153(2):237–56

Evolutionary trees from DNA sequences: a maximum likelihood approach. Felsenstein J. **J Mol Evol** 1981; 17(6):368–76

Evolutionary distances in Hawaiian Drosophila measured by DNA reassociation. Hunt JA, et al. **J Mol Evol** 1981; 17(6):361–7

Interspersed repetitive DNA sequences are unlikely to be parasitic. Brookfield JF. **J Theor Biol** 1982 Jan 21; 94(2):281–99

Some indications for inverse DNA duplication. Nussinov R. **J Theor Biol** 1982 Apr 21;95(4):783–91

The relations between the precodons of overlapping genes. Portelli G. **J Theor Biol** 1982 Mar 21;95(2):345–50

Mobility of endogenous ecotropic murine leukemia viral genomes within mouse chromosomal DNA and integration of a mink cell focus-forming virus-type recombinant provirus in the germ line. Quint W, et al. **J Virol** 1982 Mar;41(3):901–8

Cloning and characterization of DNA complementary to the measles virus mRNA encoding hemagglutinin and matrix protein. Rozenblatt S, et al. **J Virol** 1982 Jun;42(3):790–7

Cellular sequences related to three new onc genes of avian sarcoma virus (fps, yes, and ros) and their expression in normal and transformed cells. Shibuya M, et al. **J Virol** 1982 Apr;42(1):143–52

DNA analysis in the diagnosis of hemoglobin disorders. Goossens M, et al. **Methods Enzymol** 1981;76:805–17

Procedures for studying transcription and translation of viral and host nucleic acids in interferon-treated cells. Joklik WK. **Methods Enzymol** 1981;79(Pt B):307–30

The induction of a specific pigment cell type by total genomic DNA injected into the neural crest region of fish embryos of the genus Xiphophorus. Vielkind J, et al. **MGG** 1982; 185(3):379–89

Two-dimensional electrophoretic separation and fluorographic analysis of the gene products synthesized by Hymenolepis diminuta with particular reference to the parasite-specific polypeptides in the brush border membrane. Atkinson BG, et al. **Mol Biochem Parasitol** 1982 Jul;6(1):33–43

Mosquito infectivity is directly related to the proportion of repetitive DNA in Plasmodium berghei. Birago C, et al. **Mol Biochem Parasitol** 1982 Jul;6(1):1–12

On the DNA content and ploidy of trypanosomes. Borst P, et al. **Mol Biochem Parasitol** 1982 Jul;6(1):13–23

The establishment of genomic DNA libraries for the human malaria parasite Plasmodium falciparum and identification of individual clones by hybridisation. Goman M, et al. **Mol Biochem Parasitol** 1982 Jun;5(6):391–400

The maxicircle of Trypanosoma brucei kinetoplast DNA hybridizes with a mitochondrial gene encoding cytochrome oxidase subunit II. Johnson BJ, et al. **Mol Biochem Parasitol** 1982 Jun;5(6):381–90

Roles of DNA interstrand crosslinking and its repair in the induction of sister-chromatid exchange and a higher induction in Fanconi's anemia cells. Kano Y, et al. **Mutat Res** 1981 May;81(3):365–75

Harman and norharman: induction of sister-chromatid exchanges in human peripheral lymphocytes in vitro and interaction with isolated DNA. Madle E, et al. **Mutat Res** 1981 Dec;90(4):433–42

Genome instability in a region of human DNA enriched in Alu repeat sequences. Calabretta B, et al. **Nature** 1982 Mar 18;296(5854):219–25

Molecular drive: a cohesive mode of species evolution. Dover G. **Nature** 1982 Sep 9;299(5879):111–7

Methylation and gene control [news] Felsenfeld G, et al. **Nature** 1982 Apr 15;296(5858):602–3

Point mutation in the TATA box curtails expression of sea urchin H2A histone gene in vivo. Grosschedl R, et al. **Nature** 1981 Nov 12;294(5837):178–80

Processes of gene duplication [news] Jeffreys AJ, et al. **Nature** 1982 Mar 4;296(5852):9–10

Excision of polyoma virus genomes from chromosomal DNA by homologous recombination. Lania L, et al. **Nature** 1982 Jan 28;295(5847):349–50

Male and female mouse DNAs can be discriminated using retroviral probes. Phillips SJ, et al. **Nature** 1982 May 20; 297(5863):241–3

DNA sequence homology and chromosomal deletion at a site of SV40 DNA integration. Stringer JR. **Nature** 1982 Mar 25;296(5855):363–6

Deoxyribonucleotide synthesis and the emergence of DNA in molecular evolution. Follmann H. **Naturwissenschaften** 1982 Feb;69(2):75–81

Coordinate regulation of the four tubulin genes of Chlamydomonas reinhardi. Brunke KJ, et al. **Nucleic Acids Res** 1982 Feb 25;10(4):1295–310

Reduced-stringency DNA reassociation: sequence specific duplex formation. Burr HE, et al. **Nucleic Acids Res** 1982 Jan 22;10(2):719–33

Replication of the extrachromosomal ribosomal RNA genes of Tetrahymena thermophilia. Cech TR, et al. **Nucleic Acids Res** 1981 Jul 24;9(14):3531–43

The construction of cosmid libraries of eukaryotic DNA using the Homer series of vectors. Chia W, et al. **Nucleic Acids Res** 1982 Apr 24;10(8):2503–20

Simple DNA sequences in homologous flanking regions near immunoglobulin VH genes: a role in gene interaction? Cohen JB, et al. **Nucleic Acids Res** 1982 Jun 11; 10(11):3353–70

Micronuclear DNA sequences of Oxytricha fallax homologous to the macronuclear inverted terminal repeat. Dawson D, et al. **Nucleic Acids Res** 1982 May 11; 10(9):2911–24

Conservation of sequence arrangement among higher plant chloroplast DNAs: molecular cross hybridization among the Solanaceae and between Nicotiana and Spinacia. Fluhr R, et al. **Nucleic Acids Res** 1981 Dec 21;9(24):6841–53

A complex repeated DNA sequence within the Drosophila transposable element copia. Fouts DL, et al. **Nucleic Acids Res** 1981 Dec 21;9(24):7053–64

Sequence arrangement of the rRNA genes of the dipteran Sarcophaga bullata. French CK, et al. **Nucleic Acids Res** 1981 Jun 11;9(11):2563–76

A gel electrophoresis method for quantifying the binding of proteins to specific DNA regions: application to components of the Escherichia coli lactose operon regulatory system. Garner MM, et al. **Nucleic Acids Res** 1981 Jul 10;9(13):3047–60

Mapping of a mouse ribosomal DNA promoter by in vitro transcription. Grummt I. **Nucleic Acids Res** 1981 Nov 25; 9(22):6093–102

The nucleotide sequence of the maize and spinach chloroplast isoleucine transfer RNA encoded in the 16S to 23S rDNA spacer. Guillemaut P, et al. **Nucleic Acids Res** 1982 Mar 11;10(5):1653–9

The primary structures of two leghemoglobin genes from soybean. Hyldig-Nielsen JJ, et al. **Nucleic Acids Res** 1982 Jan 22;10(2):689–701

Structure and organization of the gene coding for the DNA binding protein of adenovirus type 5. Kruijer W, et al. **Nucleic Acids Res** 1981 Sep 25;9(18):4439–57

Regional localization on the human X of DNA segments cloned from flow sorted chromosomes. Kunkel LM, et al. **Nucleic Acids Res** 1982 Mar 11;10(5):1557–78

Comparative analysis of nucleic acid sequences by their general constraints. Lipman DJ, et al. **Nucleic Acids Res** 1982 Apr 24;10(8):2723–39

Genomic organization and transcription of the alpha beta heat shock DNA in Drosophila melanogaster. Lis JT, et al. **Nucleic Acids Res** 1981 Oct 24;9(20):5297–310

Multiple components in restriction enzyme digests of mammalian (insectivore), avian and reptilian genomic DNA hybridize with murine immunoglobulin VH probes. Litman GW, et al. **Nucleic Acids Res** 1982 Jun 11;10(11):3371–80

The high mobility group proteins HMG 14 and 17, do not prevent the formation of chromatin higher order structure. McGhee JD, et al. **Nucleic Acids Res** 1982 Mar 25; 10(6):2007–16

Nucleotide sequence of an external transcribed spacer in Xenopus laevis rDNA: sequences flanking the 5' and 3' ends of 18S rRNA are non–complementary. Maden BE, et al. **Nucleic Acids Res** 1982 Apr 10;10(7):2387–98

A member of a new repeated sequence family which is conserved throughout eucaryotic evolution is found between the human delta and beta globin genes. Miesfeld R, et al. **Nucleic Acids Res** 1981 Nov 25;9(22):5931–47

The DNA sequence of the 5' flanking region of the human beta–globin gene: evolutionary conservation and polymorphic differences. Moschonas N, et al. **Nucleic Acids Res** 1982 Mar 25;10(6):2109–20

Retrovirus–related sequences in human DNA: detection and cloning of sequences which hybridize with the long terminal repeat of baboon endogenous virus. Noda M, et al. **Nucleic Acids Res** 1982 May 11;10(9):2865–78

DNA sequence of the rat growth hormone gene: location of the 3' terminus of the growth hormone mRNA and identification of an internal transposon–like element. Page GS, et al. **Nucleic Acids Res** 1981 May 11;9(9):2087–104

Physical and gene mapping of chloroplast DNA from Atriplex triangularis and Cucumis sativa. Palmer JD. **Nucleic Acids Res** 1982 Mar 11;10(5):1593–605

The genome of Plasmodium falciparum. I: DNA base composition. Pollack Y, et al. **Nucleic Acids Res** 1982 Jan 22;10(2):539–46

Coding region deletions associated with the major form of rDNA interruption in Drosophila. Rae PM. **Nucleic Acids Res** 1981 Oct 10;9(19):4997–5010

KpnI families of long, interspersed repetitive DNAs in human and other primate genomes. Shafit–Zagardo B, et al. **Nucleic Acids Res** 1982 May 25;10(10):3175–93

Clustering and methylation of repeated DNA: persistence in avian development and evolution. Sobieski DA, et al. **Nucleic Acids Res** 1981 Nov 25;9(22):6001–15

Nucleotide sequence of the region between the 18S rRNA sequence and the 28S rRNA sequence of rat ribosomal DNA. Subrahmanyam CS, et al. **Nucleic Acids Res** 1982 Jun 25;10(12):3667–80

Sequence of a putative promoter region for the rRNA genes of tobacco chloroplast DNA. Tohdoh N, et al. **Nucleic Acids Res** 1981 Oct 24;9(20):5399–406

Repetitive DNA sequences in the human corticotropin–beta–lipotrophin precursor gene region: Alu family members. Tsukada T, et al. **Nucleic Acids Res** 1982 Mar 11;10(5):1471–9

Structural analysis of repetitive DNA sequences in the bovine corticotropin–beta–lipotropin precursor gene region. Watanabe Y, et al. **Nucleic Acids Res** 1982 Mar 11; 10(5):1459–69

Isolation and characterization of a human collagen alpha 1(I)–like gene from a cosmid library. Weiss EH, et al. **Nucleic Acids Res** 1982 Mar 25;10(6):1981–94

The intervening sequence excised from the ribosomal RNA precursor of Tetrahymena contains a 5'–terminal guanosine residue not encoded by the DNA. Zaug AJ, et al. **Nucleic Acids Res** 1982 May 11;10(9):2823–38

The structure of the gene for the large subunit of ribulose 1,5–bisphosphate carboxylase from spinach chloroplast DNA. Zurawski G, et al. **Nucleic Acids Res** 1981 Jul 24; 9(14):3251–70

Disappearance of the heteroplasmic state for chloroplast markers in zygospores of Chlamydomonas reinhardtii. Sears BB. **Plasmid** 1980 Jan;3(1):18–34

Molecular cloning of a cDNA sequence encoding a trophectoderm–specific marker during mouse blastocyst formation. Brûlet P, et al. **Proc Natl Acad Sci USA** 1982 Apr;79(7):2328–32

Estimating genetic divergence and genetic variability with restriction endonucleases. Engels WR. **Proc Natl Acad Sci USA** 1981 Oct;78(10):6329–33

Sizes and map positions of several plasmid–DNA–encoded transcripts in octopine–type crown gall tumors. Gelvin SB, et al. **Proc Natl Acad Sci USA** 1982 Jan;79(1):76–80

Nuclear DNA from uninfected or potato spindle tuber viroid–infected tomato plants contains no detectable sequences complementary to cloned double–stranded viroid cDNA. Hadidi A, et al. **Proc Natl Acad Sci USA** 1981 Nov;78(11):6932–5

Inheritance of DNA methylation in microinjected eggs of Xenopus laevis. Harland RM. **Proc Natl Acad Sci USA** 1982 Apr;79(7):2323–7

Low molecular weight RNAs transcribed in vitro by RNA polymerase III from Alu–type dispersed repeats in Chinese hamster DNA are also found in vivo. Haynes SR, et al. **Proc Natl Acad Sci USA** 1981 Oct;78(10):6130–4

Nucleotide sequence of cloned cDNAs encoding human preproparathyroid hormone. Hendy GN, et al. **Proc Natl Acad Sci USA** 1981 Dec;78(12):7365–9

Asymmetric replication of duck hepatitis B virus DNA in liver cells: Free minus–strand DNA. Mason WS, et al. **Proc Natl Acad Sci USA** 1982 Jul;79(13):3997–4001

Sequence organization and genomic distribution of the major family of interspersed repeats of mouse DNA. Meunier–Rotival M, et al. **Proc Natl Acad Sci USA** 1982 Jan;79(2):355–9

Active gene sequences are undermethylated. Naveh–Many T, et al. **Proc Natl Acad Sci USA** 1981 Jul;78(7):4246–50

Discrete–length repeated sequences in eukaryotic genomes. Pearson WR, et al. **Proc Natl Acad Sci USA** 1981 Jul; 78(7):4016–20

Rat preprocarboxypeptidase A: cDNA sequence and preliminary characterization of the gene. Quinto C, et al. **Proc Natl Acad Sci USA** 1982 Jan;79(1):31–5

Model for the participation of quasi–palindromic DNA sequences in frameshift mutation. Ripley LS. **Proc Natl Acad Sci USA** 1982 Jul;79(13):4128–32

cDNA sequence of a new chicken embryonic rho–globin. Roninson IB, et al. **Proc Natl Acad Sci USA** 1981 Aug; 78(8):4782–5

DNA sequences homologous to vertebrate oncogenes are conserved in Drosophila melanogaster. Shilo BZ, et al. **Proc Natl Acad Sci USA** 1981 Nov;78(11):6789–92

Clonal inheritance of the pattern of DNA methylation in mouse cells. Stein R, et al. **Proc Natl Acad Sci USA** 1982 Jan;79(1):61–5

Transformation with DNA from 5–azacytidine–reactivated X chromosomes. Venolia L, et al. **Proc Natl Acad Sci USA** 1982 Apr;79(7):2352–4

Human DNA sequence homologous to the transforming gene (mos) of Moloney murine sarcoma virus. Watson R, et al. **Proc Natl Acad Sci USA** 1982 Jul;79(13):4078–82

Introduction by molecular cloning of artifactual inverted sequences at the 5' terminus of the sense strand of bovine parathyroid hormone cDNA. Weaver CA, et al. **Proc Natl Acad Sci USA** 1981 Jul;78(7):4073–7

Transmission electron microscopic method for gene mapping on polytene chromosomes by in situ hybridization. Wu M, et al. **Proc Natl Acad Sci USA** 1981 Nov;78(11):7059–63

Repeated hexanucleotide C–C–C–C–A–A is present near free ends of macronuclear DNA of Tetrahymena. Yao MC, et al. **Proc Natl Acad Sci USA** 1981 Dec;78(12):7436–9

Molecular cloning and nucleotide sequence of full–length of cDNA coding for porcine gastrin. Yoo OJ, et al. **Proc Natl Acad Sci USA** 1982 Feb;79(4):1049–53

Replication of linear duplex DNA in vitro with bacteriophage T5 DNA polymerase. Fujimura RK, et al. **Prog Nucleic Acid Res Mol Biol** 1981;26:49–62

Mechanisms of tolerance to DNA lesions in mammalian cells. Meneghini R, et al. **Q Rev Biophys** 1981 Aug;14(3):381–432 (132 ref.)

Active genes are sensitive to deoxyribonuclease I during metaphase. Gazit B, et al. **Science** 1982 Aug 13; 217(4560):648–50

DNA sequencing and gene structure. Gilbert W. **Science** 1981 Dec 18;214(4527):1305–12

Repeated DNA still in search of a function [news] Lewin R. **Science** 1982 Aug 13;217(4560):621–3

Is RNA copied into DNA by mammalian cells? [news] Marx JL. **Science** 1982 May 28;216(4549):969–70

Determination of nucleotide sequences in DNA. Sanger F. **Science** 1981 Dec 11;214(4526):1205–10

The Alu family of dispersed repetitive sequences. Schmid CW, et al. **Science** 1982 Jun 4;216(4550):1065–70 (58 ref.)

Transfer of genes to Chinese hamster ovary cells by DNA–mediated transformation. Abraham I, et al. **Somatic Cell Genet** 1982 Jan;8(1):23–39

[Polymorphism of DNA in human populations using the method of hybridization after transfer] Lucotte G, et al. **Rev Fr Transfus Immunohematol** 1982 Jun;25(3):279–96 (22 ref.) (Fre)

[Organization of the eukaryotic genome and inactive regions in the expression of genetic information (author's transl)] Mizuno S. **Tanpakushitsu Kakusan Koso** 1981 Apr; 26(5):678–93 (218 ref.) (Jpn)

[3H]Thymidine incorporation into DNA fractions with differing frequencies of repetitive nucleotide sequences in the sea urchin strongylocentrotus droebachiensis genome] Andreeva TF, et al. **Biokhimiia** 1982 Mar;47(3):385–9 (Eng. Abstr.) (Rus)

[Increase in the number of repeating sequences of DNA in transcriptionally active sites of rat genome induced by cortisol and phenobarbital] Dudareva NA, et al. **Biokhimiia** 1981 Jul;46(7):1258–66 (Eng. Abstr.) (Rus)

[Cortisol–induced changes in methylation of repeating sequences of transcriptionally active DNA from rat liver] Dudareva NA, et al. **Biokhimiia** 1981 Aug;46(8):1475–81 (Eng. Abstr.) (Rus)

[Features of nuclear genome transcription at early steps of liver regeneration: expression of DNA fractions with different repeating sequence frequencies] Prima VI, et al. **Biokhimiia** 1982 Jan;47(1):145–52 (Eng. Abstr.) (Rus)

[Kinetic study of DNA reassociation and molecular hybridization using a fluorescent label] Shubina EA, et al. **Biol Nauki** 1982;(2):18–22 (Rus)

[Cyclic structures from mouse and human DNA as a possible model of the mobile elements of the eukaryotic genome] Degtiarev SV, et al. **Dokl Akad Nauk SSSR** 1982; 265(1):206–9 (Rus)

[Type B1 and B2 repeating sequences in clones of complementary DNA obtained on mouse liver cytoplasmic poly(A)+ RNA] Ryskov AP, et al. **Dokl Akad Nauk SSSR** 1982;263(4):997–1000 (Rus)

[Mapping of 2 cloned DNA fragments containing repetitive mouse genome regions, actively transcribing into pre–mRNA] Tokarskaia ON, et al. **Genetika (Moskva)** 1982 May;18(5):713–23 (Eng. Abstr.) (Rus)

[Repetitious DNA in the genome of Drosophila lummei Hackman and its role in replication and chromosome behavior in mitosis] Evgen'ev MB, et al. **Mol Biol (Mosk)** 1982 May–Jun;16(3):626–32 (Eng. Abstr.) (Rus)

[Fractionation of chromatin of liver cell nuclei after mild micrococcal nuclease digestion] Georgieva E, et al. **Mol Biol (Mosk)** 1982 Mar–Apr;16(2):392–7 (Eng. Abstr.) (Rus)

[Foundation of the bineme model for eukaryote chromosome] Luchnik AN. **Mol Biol (Mosk)** 1982 Mar–Apr;16(2):258–70 (Eng. Abstr.) (Rus)

[Nuclear precursors for ceruloplasmin–coding messenger RNA from rat liver] L'vov VM, et al. **Mol Biol (Mosk)** 1981 Jul–Aug;15(4):845–56 (Eng. Abstr.) (Rus)

[Reassociation kinetics of the DNA from rat liver nuclei of varying ploidy] Lebedeva GS, et al. **Tsitologiia** 1982 Feb; 24(2):219–23 (Eng. Abstr.) (Rus)

[Migrating and insertion sequences of DNA] Gordienko IV, et al. **Usp Sovrem Biol** 1981 Sep–Oct;92(2):212–27 (142 ref.) (Rus)

HISTORY

From biochemistry to molecular biology: DNA and the acculturated journey of the critic of science Erwin Chargaff. Abir–Am P. **Pubbl Stn Zool Napoli [II]** 1980; 2(1):3–60

IMMUNOLOGY

Antinuclear and antinative DNA antibodies during captopril treatment. Kallenberg CG, et al. **Acta Med Scand** 1982; 211(4):297–300

An evaluation of commercial kits for the detection of antibodies to double–stranded DNA. Adams LE, et al. **Am J Clin Pathol** 1982 Jan;77(1):54–9

Anti–dsDNA in SLE: a specificity myth [letter] Fox AL. **Am J Clin Pathol** 1982 Jun;77(6):776

Prognostic value of anti–dsDNA in SLE. Swaak AJ, et al. **Ann Rheum Dis** 1982 Aug;41(4):388–95

A case of DNA autosensitivity. Sugai S, et al. **Arerugi** 1982 Jan;31(1):9–17

Evidence for detection of low molecular weight DNA—anti–DNA complexes in systemic lupus erythematosus. Agnello V, et al. **Arthritis Rheum** 1982 Jul; 25(7):788–92

Abnormalities in the content of nucleic acids of peripheral blood mononuclear cells from patients with systemic lupus erythematosus. Alarcón–Segovia D, et al. **Arthritis Rheum** 1982 Mar;25(3):304–17

Specificity of anti—double–stranded DNA antibodies for the diagnosis of systemic lupus erythematosus [letter] Barnett EV. **Arthritis Rheum** 1981 Nov;24(11):1452–3

Characteristics of pathogenic subpopulations of antibodies to DNA. Hahn BH. **Arthritis Rheum** 1982 Jul;25(7):747–52

Specificity in systemic lupus erythematosus of antibodies to double–stranded DNA measured with the polyethylene glycol precipitation assay. Smeenk R, et al. **Arthritis Rheum** 1982 Jun;25(6):631–8

Immunocytological detection of AAF–DNA adducts in HeLa cell nuclei. Sage E, et al. **Cancer Lett** 1981 Nov; 14(2):193–204

A new method for determination of anti–double strand DNA antibodies: Trypanosoma equiperdum immunofluorescent method. Xu SZ, et al. **Chin Med J [Engl]** 1981 Sep; 94(9):549–54

A specific DNA immune complex assay, and its application in SLE. Harley EH, et al. **Clin Chim Acta** 1982 Jul 1; 122(2):213–23

DNA–anti–DNA circulating complexes in the nephritis of systemic lupus erythematosus. Adu D, et al. **Clin Exp Immunol** 1981 Mar;43(3):605–14

Antigenic structure of DNA: relatively high inhibitory activity of di– and trideoxyribonucleotide derived from DNase digest on the interaction of thermally denatured DNA with systemic lupus erythematosus sera. Kashimura M, et al. **Clin Exp Immunol** 1981 Feb;43(2):223–30

In vitro anti–DNA antibody synthesis by peripheral blood lymphocytes in patients with systemic lupus erythematosus. Kiyotaki M, et al. **Clin Immunol Immunopathol** 1981 Nov; 21(2):237–46

Phagocytosis and degradation of DNA–anti–DNA complexes by human phagocytes II. Influence of the size of the complexes. Lamers MC, et al. **Eur J Immunol** 1981 Oct;11(10):764–8

Antiserum to Z–DNA. Malfoy B, et al. **FEBS Lett** 1981 Sep 14;132(1):45–8

Specificity of mouse hybridoma antibodies to DNA. Koike

T, et al. **Immunol Lett** 1982 Feb;4(2):93–7

Cation complexed DNA. Immunoadsorption of anti–DNA antibodies by DNA bound to agarose–poly–L–lysine. Nicotra J, et al. **Immunol Lett** 1982 May;4(5):249–52

Anti–DNA, anti–deoxyribonucleoprotein and rheumatoid factor measured by ELISA in patients with systemic lupus erythematosus, Sjögren's syndrome and rheumatoid arthritis. Karsh J, et al. **Int Arch Allergy Appl Immunol** 1982;68(1):60–9

Double stranded DNA antibody quantification by the FARR assay and indirect immunofluorescence test using Crithidia luciliae. Graafland HF, et al. **Int J Nucl Med Biol** 1982; 9(2):114–7

Pharmacological data on polydeoxyribonucleotide of human placenta. Bianchini P, et al. **Int J Tissue React** 1981 Dec; 3(3–4):151–4

Antibodies specific for DNA components structurally modified by chemical carcinogens. Müller R, et al. **J Cancer Res Clin Oncol** 1981;102(2):99–113 (69 ref.)

Ability of the xid gene to prevent autoimmunity in (NZB X NZW)F1 mice during the course of their natural history, after polyclonal stimulation, or following immunization with DNA. Steinberg BJ, et al. **J Clin Invest** 1982 Sep; 70(3):587–97

Complement fixing properties of antibodies to double–stranded DNA in systemic lupus erythematosus. Gharavi AE, et al. **J Clin Lab Immunol** 1981 Nov; 6(3):251–5

Immunological studies in human ageing. II. Associated increase in anti–RNA and anti–DNA antibodies. Schuller E, et al. **J Clin Lab Immunol** 1981 Sep;6(2):107–10

Double–stranded DNA antibodies: a comparison of four methods of detection. Somerfield SD, et al. **J Clin Pathol** 1981 Sep;34(9):1032–5

A simple, rapid ELISA method for the detection of DNA antibodies. Stokes RP, et al. **J Clin Pathol** 1982 May; 35(5):566–73

Clearance of circulating DNA–anti–DNA immune complexes in mice. Emlen W, et al. **J Exp Med** 1982 Apr 1;155(4):1210–5

Organization, structure, and assembly of immunoglobulin heavy chain diversity DNA segments. Kurosawa Y, et al. **J Exp Med** 1982 Jan 1;155(1):201–18

The in vitro and in vivo induction of anti–double–stranded DNA antibodies in normal and autoimmune mice. Fish F, et al. **J Immunol** 1982 Jan;128(1):409–14

Monoclonal anti–deoxyribonucleic antibodies. I. Isotype and specificity studies. Jacob L, et al. **J Immunol** 1982 Feb; 128(2):895–8

Anti–DNA autoantibodies in (NZB X NZW)F1 mice are clonally heterogeneous, but the majority share a common idiotype. Marion TN, et al. **J Immunol** 1982 Feb; 128(2):668–74

Ipr gene control of the anti–DNA antibody response. Pisetsky DS, et al. **J Immunol** 1982 May;128(5):2322–5

A high frequency idiotypic marker of anti–DNA autoantibodies in MRL–Ipr/Ipr mice. Rauch J, et al. **J Immunol** 1982 Jul;129(1):236–41

Avidity of antibodies to dsDNA: comparison of IFT on Crithidia luciliae, Farr assay, and PEG assay. Smeenk R, et al. **J Immunol** 1982 Jan;128(1):73–8

Enzyme–linked immunosorbent assay for antibodies to native DNA in sera of patients with SLE. Kávai M, et al. **J Immunol Methods** 1982;48(2):169–75

Lactoferrin interacts with deoxyribonucleic acid: a preferential reactivity with double–stranded DNA and dissociation of DNA–anti–DNA complexes. Bennett RM, et al. **J Lab Clin Med** 1982 Jan;99(1):127–38

Correlation of serum IgG, IgM, and anti–native–DNA antibodies with renal and clinical indexes of activity in systemic lupus erythematosus. Feldman MD, et al. **J Rheumatol** 1982 Jan–Feb;9(1):52–8

Phagocytosis and degradation of DNA–antiDNA complexes by human phagocytes. Influence of rheumatoid factors. Lamers MC, et al. **J Rheumatol** 1981 Nov–Dec;8(6):880–8

Antibodies to carcinogen–DNA adducts. Poirier MC. **JNCI** 1981 Sep;67(3):515–9

Phagocytosis and degradation of DNA–anti–DNA complexes by human phagocytes: influence of the antibody class. Lamers MC, et al. **Lab Invest** 1982 Apr;46(4):393–9

Enzyme–linked immunosorbent assay for antibodies to native and denatured DNA. Klotz JL. **Methods Enzymol** 1982;84 Pt D:194–201

Radioimmunoassay of antibody to DNA–RNA hybrids of naturally occurring sequence. Nakazato H. **Methods Enzymol** 1982;84 Pt D:210–20

Passive hemagglutination and hemolysis tests for anti–DNA antibody. Sasaki T. **Methods Enzymol** 1982;84 Pt D:201–10

Monoclonal murine anti–nucleic acid antibody with double–stranded specificity. Ballard DW, et al. **Mol Immunol** 1982 Jun;19(6):793–9

Comparison of poly(A).poly(dT) and poly(I).poly(dC) as immunogens for the induction of antibodies to RNA–DNA hybrids. Kitagawa Y, et al. **Mol Immunol** 1982 Mar; 19(3):413–20

Binding specificity of a monoclonal anti–DNA antibody. Pisetsky DS, et al. **Mol Immunol** 1982 May;19(5):645–50

Three classes of mouse H–2 messenger RNA distinguished by analysis of cDNA clones. Cosman D, et al. **Nature** 1982 Jan 7;295(5844):73–6

Stimulation of polymorphonuclear leukocyte chemotaxis by cold precipitable complexes containing DNA–anti–DNA in active nephritis of systemic lupus erythematosus. Losito A, et al. **Nephron** 1982;30(4):324–7

Anti–dsDNA and complement profiles in systemic lupus erythematosus. Swaak AJ, et al. **Neth J Med** 1981; 24(4):152–6

Monoclonal antibody to aflatoxin B1–modified DNA detected by enzyme immunoassay. Haugen A, et al. **Proc Natl Acad Sci USA** 1981 Jul;78(7):4124–7

Prostaglandins and essential fatty acids in regulation of autoimmunity and development of antibodies to DNA in NZB x NZW F1 mice. Karmali RA, et al. **Prog Lipid Res** 1981;20:655–61

Studies of artificial cryoprecipitates containing anti–DNA antibody activity. Taylor RP, et al. **Rheumatol Int** 1981; 1(1):1–6

Quantitative studies of the interaction of 3H–dsDNA/anti–DNA immune complexes with complement: comparison and evaluation of the Raji cell, the solution phase C1Q, and the red blood cell linked complement fixation radioimmunoassays. Taylor RP, et al. **Rheumatol Int** 1981;1(1):29–34

Anti–DNA activity in Raji cell eluates of sera from patients with systemic lupus erythematosus. Tomii M. **Ryumachi** 1981;21 Suppl:123–7

Deoxyribonucleic acid and its antibodies in systemic lupus erythematosus. Chee YC. **Singapore Med J** 1981 Dec; 22(6):323–31 (107 ref.)

Clinical significance of autoantibodies to double–stranded DNA tested by Crithidia luciliae method in systemic lupus erythematosus patients. Liu HW. **Taiwan I Hsueh Hui Tsa Chih** 1982 Mar;81(3):380–7

Differentiation of specific DNA binding activity of SLE sera from non–specific binding by an addition of dextran sulfate and calcium chloride to the Farr assay system. Kashimura M, et al. **Tohoku J Exp Med** 1981 Aug;134(4):357–65

The non–specific binding of thermally denatured DNA by healthy human sera in Farr assay with or without addition of dextran sulfate and calcium chloride. Wakizaka A, et al. **Tohoku J Exp Med** 1981 Aug;134(4):351–6

[Anti–double strand DNA antibodies and antinuclear antibodies in SLE. I. A new method for determination of anti–double strand DNA antibodies: Trypanosoma equiperdum immunofluorescent method (author's transl)] Xu SZ, et al. **Chung Kuo I Hsueh Ko Hsueh Yuan Hsueh Pao** 1981 Mar; 3(1):6–9 (Eng. Abstr.) **(Chi)**

[Cloning of cDNA for C3, the third component of complement (author's transl)] Fey G, et al. **Ann Immunol (Paris)** 1982 Mar–Apr;133(2):189–97 (15 ref.) (Eng. Abstr.) **(Fre)**

[Immunofluorescence on Crithidia luciliae in the detection of anti–native DNA antibodies (author's transl)] André C, et al. **Nouv Presse Med** 1982 Apr 3;11(15):1127–30 (Eng. Abstr.) **(Fre)**

[Enzyme linked immunosorbent assay to detect antinucleic acid antibodies (anti–DNA and anti–RNA antibodies) (author's transl)] Ait Kaci AA, et al. **Pathol Biol (Paris)** 1982 Feb;30(2):73–8 (Eng. Abstr.) **(Fre)**

[Comparison of severity and native anti–DNA antibody levels in systemic lupus erythematosus. Serodiscordant lupus] Manent–Ducreuzet C, et al. **Rev Rhum Mal Osteoartic** 1981 Nov;48(11):705–12 (Eng. Abstr.) **(Fre)**

[Transfer of information from T and B lymphocytes during immune response: role of extracellular DNA] Anker P, et al. **Schweiz Med Wochenschr** 1980 Oct 4;110(40):1444–6 (Eng. Abstr.) **(Fre)**

[ds–DNA– and denaturized ds–DNA auto–antibodies in old age and their pathological determination (author's transl)] Apostoloff E, et al. **ZFA (Dresden)** 1981;36(5):389–91 (Eng. Abstr.) **(Ger)**

[Serum anti–dsDNA antibodies in lupus nephritis] Fiorentini GP, et al. **Boll Soc Ital Biol Sper** 1981 Sep 30;57(18):1890–5 (Eng. Abstr.) **(Ita)**

[Relation between immune complexes, anti–DNA antibodies and complement in lupus nephropathy] Pastore A, et al. **Minerva Nefrol** 1981 Oct–Dec;28(4):503–8 (Eng. Abstr.) **(Ita)**

[DNA . anti–DNA complexes in systemic lupus erythematosus sera—their detection by Raji cell assay (author's transl)] Kawana S, et al. **Nippon Hifuka Gakkai Zasshi** 1982 Apr;92(5):567–73 **(Jpn)**

[Evaluation of antinative DNA antibodies for glomerular lesion in NZB/NZW mice (author's transl)] Kazuta Y, et al. **Nippon Jinzo Gakkai Shi** 1981 Apr;23(4):377–88 (Eng. Abstr.) **(Jpn)**

[Relationship of renal histopathology to immunoglobulin classes and complement fixation of anti–native DNA antibodies and components of immune complexes in patients with systemic lupus erythematosus (author's transl)] Hashimoto H, et al. **Ryumachi** 1981 Sep; 21(5):366–74 (Eng. Abstr.) **(Jpn)**

[Detection of DNA anti–DNA immune complexes in systemic lupus erythematosus sera (author's transl)] Sarai T, et al. **Ryumachi** 1982 Feb;22(1):20–7 (Eng. Abstr.) **(Jpn)**

[Experimental studies on the induction of anti–ds–DNA antibody and lupus nephritis–like lesions in rats (author's transl)] Wakaki K. **Ryumachi** 1981 May;21(3):192–219 (Eng. Abstr.) **(Jpn)**

[Ability of components of pertussis bacteria to induce delayed–type hypersensitivity to DNA] Moskalenko EP, et al. **Biull Eksp Biol Med** 1981 Sep;92(9):325–7 (Eng. Abstr.) **(Rus)**

[Immunological reaction to nuclear antigens in children with systemic lupus erythematosus] Levina SG, et al. **Pediatriia** 1981 Sep;(9):35–7 (Eng. Abstr.) **(Rus)**

[DNA antibodies in glomerulonephritis] Diadyk AI, et al. **Ter Arkh** 1981;53(6):28–30 (Eng. Abstr.) **(Rus)**

[Radioimmunological determination of antibodies of DNA and other DNA–binding proteins in the blood serum of immunized animals] Tereshchenko MI, et al. **Ukr Biokhim Zh** 1982 May–Jun;54(3):311–5 (Eng. Abstr.) **(Rus)**

[Use of DNA antibodies for detecting DNA radiation injuries in the bone marrow cell nuclei of irradiated animals] Mitriaeva NA, et al. **Vopr Med Khim** 1981 Sep–Oct; 27(5):676–9 (Eng. Abstr.) **(Rus)**

[Methylation of DNA from rat lymphoid tissues in development of immune response] Trokhimenko EP, et al. **Vopr Med Khim** 1981 May–Jun;27(3):310–3 (Eng. Abstr.) **(Rus)**

ISOLATION & PURIFICATION

Isolation and quantitation of DNA–bound benzo(a)pyrene metabolites: comparison of hydroxyapatite and precipitation procedures. Adriaenssens PI, et al. **Anal Biochem** 1982 Jun;123(1):162–9

Purification and analysis of DNA from wheat chloroplasts isolated in nonaqueous media. Bowman CM, et al. **Anal Biochem** 1982 May 1;122(1):108–18

A rapid and mild procedure for the isolation of DNA from mammalian cells. Leadon SA, et al. **Anal Biochem** 1982 Mar 1;120(2):282–8

DNA fractionation by two–phase partition with aid of a base–specific macroligand. Müller W, et al. **Anal Biochem** 1981 Dec;118(2):269–77

In situ protamine release: a versatile sample preparation method for the electrophoretic analysis of nuclear proteins on acid/urea–based gels. Richards RG, et al. **Anal Biochem** 1982 Mar 15;121(1):69–82

Improved estimation of DNA fragment lengths from Agarose gels. Schaffer HE, et al. **Anal Biochem** 1981 Jul 15; 115(1):113–22

Vertical dye–buoyant density gradients for rapid analysis and preparation of plasmid DNA. Stougaard P, et al. **Anal Biochem** 1981 Nov 15;118(1):191–3

Preliminary characterization of chelation–sensitive nucleoprotein particles. Beary DA, et al. **Biochem Biophys Res Commun** 1982 Jan 29;104(2):491–9

Isolation and characterization of a fragment of rat thyroglobulin gene. Christophe D, et al. **Biochem Biophys Res Commun** 1982 Apr 14;105(3):1166–75

Purification of total cellular DNA from a single plant. Rawson JR, et al. **Biochem Genet** 1982 Apr;20(3–4):209–19

Separation of nucleic acids and chromatin proteins by hydrophobic interaction chromatography. Schafer–Nielsen C, et al. **Biochim Biophys Acta** 1982 Mar 29;696(3):323–31

Fractionation of chromatin, released by nuclease digestion, on ECTHAM–cellulose. Separation of active and inactive chromatin. Smith AJ, et al. **Biochim Biophys Acta** 1982 May 31;697(2):134–47

Organization of highly purified calf thymus DNA. I. Cleavage into subunits and release of phosphopeptides. Welsh RS, et al. **Biochim Biophys Acta** 1981 Oct 27; 655(3):291–306

Comparison of different methods of recovering DNA from a methylation assay. Pfohl–Leszkowicz A, et al. **Biochimie** 1982 Apr;64(4):293–6

Why does the electrophoretic mobility of DNA in gels vary with the length of the molecule? Lerman LS, et al. **Biopolymers** 1982 May;21(5):995–7

Chromosome rearrangement between the Indian muntjac and Chinese muntjac is accompanied by a delection of middle repetitive DNA. Johnston FP, et al. **Can J Biochem** 1982 May;60(5):497–506

Chloroplast deoxyribonucleic acid isolation: purity achieved without nuclease digestion. Rhodes PR, et al. **Can J Biochem** 1981 Nov–Dec;59(11–12):911–5

Isolation of DNA from single microsurgically excised bands of polytene chromosomes of Chironomus. Frey M, et al. **Chromosoma** 1982 Feb;84(4):493–503

Isolation of mouse x–chromosome specific DNA from an x–enriched lambda phage library derived from flow sorted chromosomes. Disteche CM, et al. **Cytometry** 1982 Mar; 2(5):282–6

In vivo damage to DNA: sedimentation studies of giant DNA molecules from somatic tissues. Appleby DW, et al. **Ecotoxicol Environ Safety** 1981 Dec;5(4):443–51

The order of DNA replication in mammalian cells. A modified density labelling procedure for isolating sequences replicated at specific times. Grady LT, et al. **Exp Cell Res** 1982 Apr;138(2):480–5

A single DNA–binding protein from Pseudomonas aeruginosa homologous to proteins NS1 and NS2 (HU proteins) of Escherichia coli and other bacteria. Hawkins AR, et al. **FEBS Lett** 1981 Aug 3;130(2):275–8

Relationship between the purity and molecular weight of calf thymus DNA. Welsh RS, et al. **Hoppe Seylers Z Physiol Chem** 1981 Jul;362(7):969–81

Isolation of the complementary strands of vaccinia virus DNA. Pogo BG. **Intervirology** 1981;15(3):161–4

Use of benzoylated-naphthoylated DEAE-cellulose to purify and concentrate DNA eluted from agarose gels. Henrich B, et al. **J Biochem Biophys Methods** 1982 Jun;6(2):149–57

The synthesis of DNA complementary to polyadenylate-containing RNA from Bacillus subtilis. Gopalakrishna Y, et al. **J Biol Chem** 1982 Mar 25; 257(6):2747–50

Isolation of multiple genomic sequences coding for chicken myosin heavy chain protein. Robbins J, et al. **J Biol Chem** 1982 Jan 10;257(1):549–56

Rapid method for purification of plasmid DNA and DNA fragments from DNA linkers using high-performance liquid chromatography on TSK-PW gel. Himmel ME, et al. **J Chromatogr** 1982 May 7;240(1):155–63

DNA-binding proteins in frog virus 3-infected cells. Goorha R. **J Gen Virol** 1981 Sep;56(Pt 1):131–40

Dna isolated from DNA/anti-DNA antibody immune complexes in systemic lupus erythematosus is rich in guanine-cytosine content. Sano H, et al. **J Immunol** 1982 Mar;128(3):1341–5

An evaluation of methods for the purification of DNA preparations. Davis P, et al. **J Lab Clin Med** 1981 Oct; 98(4):549–57

Nonstructural proteins of herpes simplex virus. II. Major virus-specific DNa-binding protein. Powell KL, et al. **J Virol** 1981 Sep;39(3):894–902

Isolation and characterization of c-myc, a cellular homolog of the oncogene (v-myc) of avian myelocytomatosis virus strain 29. Vennstrom B, et al. **J Virol** 1982 Jun;42(3):773–9

Preparation of cDNA, ds cDNA, and tailed ds cDNA from interferon mRNA templates. McCandliss R, et al. **Methods Enzymol** 1981;79(Pt B):601–7

Preparation of plasmids and tailing with oligodeoxyguanylic acid. Maeda S. **Methods Enzymol** 1981;79(Pt B):607–11

Isolation of Physarum DNA segments that support autonomous replication in yeast. Gorman JA, et al. **MGG** 1981;183(2):306–13

Cells of pea (Pisum sativum) that differentiate from G2 phase have extrachromosomal DNA. Van't Hof J, et al. **Mol Cell Biol** 1982 Apr;2(4):339–45

Isolation and structural organization of the human preproenkephalin gene. Noda M, et al. **Nature** 1982 Jun 3;297(5865):431–4

Amount and distribution of 5-methylcytosine in human DNA from different types of tissues of cells. Ehrlich M, et al. **Nucleic Acids Res** 1982 Apr 24;10(8):2709–21

A mercury-thiol affinity system for rapid generation of overlapping labeled DNA fragments for DNA sequencing. Hartley JL, et al. **Nucleic Acids Res** 1982 Jul 10; 10(13):4009–25

Isolation and characterisation of the Xenopus laevis albumin genes: loss of 74K albumin gene sequences by library amplification. May FE, et al. **Nucleic Acids Res** 1982 May 11;10(9):2791–807

Isolation and characterization of maize genes coding for zein proteins of the 21000 dalton size class. Pintor-Toro JA, et al. **Nucleic Acids Res** 1982 Jul 10;10(13):3845–60

Fractionation of calf thymus DNA by DEAE cellulose column chromatography. Wu AF, et al. **Prep Biochem** 1982;12(1):1–10

Variability of DNA methylation patterns during serial passage of human diploid fibroblasts. Shmookler Reis RJ, et al. **Proc Natl Acad Sci USA** 1982 Jul;79(13):3949–53

Isolation of membrane-associated folded chromosomes from Anacystis nidulans. Ellinger A, et al. **Z Allg Mikrobiol** 1982; 22(1):17–27

[Simple method for preparation of rat liver DNA] Besson JE, et al. **Arch Int Physiol Biochim** 1981 Sep;89(3):183–7 (Eng. Abstr.) **(Fre)**

[Ribosomal genes of the loach Misgurnus fossilis L. Isolation and restriction analysis] Kupriianova NS, et al. **Mol Biol (Mosk)** 1981 Sep–Oct;15(5):1180–7 (Eng. Abstr.) **(Rus)**

[A non-damaging procedure for DNA isolation from insect cell nuclei] Cherepenko EI, et al. **Ukr Biokhim Zh** 1982 May–Jun;54(3):316–21 (Eng. Abstr.) **(Rus)**

METABOLISM

The effect of polyethylene glycol on the DNA uptake in Neurospora crassa. Schablik M, et al. **Acta Biol Acad Sci Hung** 1981;32(1):83–6

Age dependent changes in the isolated chondrocytes nuclei as revealed by acid hydrolysis of DNA. Adamiec IA. **Acta Histochem (Jena)** 1981;69(2):264–8

New data concerning the nucleolar DNA organization in two cellular types after electronic opacification of the nucleic acid containing structures by oxidized diaminobenzidine. Pouchelet M, et al. **Acta Histochem [Suppl] (Jena)** 1979;20:79–93

Acriflavine-Feulgen-Stilbene: a combined DNA-protein staining procedure. Tanke HJ, et al. **Acta Histochem [Suppl] (Jena)** 1979;20:65–8

Penetration of macrophage ribonuclease into fibroblasts and the effects on nucleic acid and collagen metabolism. Aho S, et al. **Acta Pathol Microbiol Immunol Scand [C]** 1982 Jun;90(3):147–54

Alkylation of DNA by organophosphorus pesticides. Wooder MF, et al. **Acta Pharmacol Toxicol (Copenh)** 1981;49 Suppl 5:51–5

Changes in DNA, RNA and protein content of the artery wall of rats subjected to bilateral renal infarction. Dubner D, et al. **Acta Physiol Lat Am** 1978;28(6):255–61

Studies on the tissue specificity of a circulating renotropic factor. Hernandez W, et al. **Acta Physiol Lat Am** 1979; 29(2–3):117–22

Covalent binding of haloethylenes. Bolt HM, et al. **Adv Exp Med Biol** 1981;136 Pt A:667–83

Modulation of epoxide hydrolase activity; effect on the activation of benzo[a] pyrene and its covalent binding to DNA in the nucleus. Guenthner TM, et al. **Adv Exp Med Biol** 1981;136 Pt A:705–16

Constitutive and carcinogen-derived DNA binding as a basis for the assessment of potency of chemical carcinogens. Lutz WK. **Adv Exp Med Biol** 1981;136 Pt B:1349–65

Interaction of reactive intermediates with DNA. Magee PN, et al. **Adv Exp Med Biol** 1981;136 Pt B:1335–47

Intercalating drugs: DNA binding and molecular pharmacology. Wilson WD, et al. **Adv Pharmacol Chemother** 1981;18:177–222 (162 ref.)

Studies on the distribution of feulgen-DNA content in normal and pathological human spermatozoa. Ebert L, et al. **Andrologia** 1982 May–Jun;14(3):229–35

Cytophotometric study of spermatozoa in normal subjects. Lacroix B, et al. **Andrologia** 1982 Mar–Apr;14(2):110–2

NH2-terminal sequences of DNA-, heparin-, and gelatin-binding tryptic fragments from human plasma fibronectin. Pande H, et al. **Arch Biochem Biophys** 1982 Jan;213(1):258–65

Bromodeoxyuridine-DNA interactions associated with arrest of rat odontogenesis in vitro. Schwartz SA, et al. **Arch Oral Biol** 1982;27(1):9–12

Reactions of vinyl chloride with RNA and DNA of various mouse tissues in vivo. Bergman K. **Arch Toxicol** 1982 Jan; 49(2):117–29

Tests for mutagenicity in Salmonella and covalent binding to DNA and protein in the rat of the riot control agent o-chlorobenzylidene malononitrile (CS). von Däniken A, et al. **Arch Toxicol** 1981 NOV;49(1):15–27

TSH-treatment of thyroid slices increases the amount of DNA released from nuclei by mild DNase-I digestion. Abe Y, et al. **Biochem Biophys Res Commun** 1982 Apr 14; 105(3):1102–8

Evidence for two conformational forms of nonhistone protein BA which differ in their affinity for DNA. Bennett FC, et al. **Biochem Biophys Res Commun** 1982 Jan 29; 104(2):649–56

Expression and subcellular distribution of mouse cytochrome P1-450 mRNA as determined by molecular hybridization with cloned P1-450 DNA. Chen YT, et al. **Biochem Biophys Res Commun** 1982 Jan 29;104(2):641–8

Selective binding of chicken progesterone receptor A subunit to a DNA fragment containing ovalbumin gene sequences. Compton JG, et al. **Biochem Biophys Res Commun** 1982 Mar 15;105(1):96–104

DNA strand scission in E. coli by electronically excited state molecules generated by enzymatic systems. De Toledo SM, et al. **Biochem Biophys Res Commun** 1982 Feb 11; 104(3):990–5

DNA methylation in normal and SV40-transformed human fibroblasts. Diala ES, et al. **Biochem Biophys Res Commun** 1981 Oct 30;102(4):1379–84

DNA methylation levels in normal and chemically-transformed mouse 3T3 cells. Diala ES, et al. **Biochem Biophys Res Commun** 1982 Feb 26;104(4):1489–94

Non-covalent intercalative binding of 7,8-dihydroxy-9,10-epoxybenzo(a)pyrene to DNA. Geacintov NE, et al. **Biochem Biophys Res Commun** 1981 Jun;100(4):1569–77

DNA-binding domains of fibronectin probed using Western blots. Hoch SO. **Biochem Biophys Res Commun** 1982 Jun 30;106(4):1353–8

Xanthine oxidase catalyzed binding of 1-nitropyrene to DNA. Howard PC, et al. **Biochem Biophys Res Commun** 1982 Jan 29;104(2):727–32

Evidence for DNA adducts in rat liver after administration of N-nitrosopyrrolidine. Hunt EJ, et al. **Biochem Biophys Res Commun** 1982 Feb 26;104(4):1343–8

Preliminary characterization of the adducts formed between the antitumor compounds cis-Pt(NH3)2Cl2 and DNA. Johnson NP. **Biochem Biophys Res Commun** 1982 Feb 26; 104(4):1394–400

Effects of ascorbic acid on the nonenzymatic binding to DNA and the mutagenicity of N-hydroxylated metabolite of a tryptophan-pyrolysis product. Mita S, et al. **Biochem Biophys Res Commun** 1982 Apr 29; 105(4):1396–401

Evidence for a reactive sulfhydryl in the DNA binding domain of the 1,25-dihydroxyvitamin D3 receptor. Pike JW. **Biochem Biophys Res Commun** 1981 Jun;100(4):1713–9

Iron(II)-bleomycin. Biochemical and spectral properties in the presence of radical scavengers. Rodriguez LO, et al. **Biochem Biophys Res Commun** 1982 Feb 26;104(4):1470–6

Occurrence of a kinetoplast DNA-protein complex in Trypanosoma cruzi. Saucier JM, et al. **Biochem Biophys Res Commun** 1981 Aug 14;101(3):988–94

Covalent binding of benzo[a]pyrene to dna in fish liver. Varanasi U, et al. **Biochem Biophys Res Commun** 1981 Nov 30;103(2):780–7

Effects of estrogens on aryl hydrocarbon hydroxylase mediated binding of benzo(a) pyrene metabolites to DNA in vitro. Williams MT, et al. **Biochem Biophys Res Commun** 1982 Feb 26;104(4):1349–55

DNA strand breaks in pancreatic islets by in vivo administration of alloxan or streptozotocin. Yamamoto H, et al. **Biochem Biophys Res Commun** 1981 Dec 15; 103(3):1014–20

Enhancement of Binding of N-Hydroxy-TRP-P-2 to DNA by seryl-tRNA synthetase. Yamazoe Y, et al. **Biochem Biophys Res Commun** 1981 Sep 16;102(1):432–9

Design, synthesis and DNA-binding capacity of a new peptidic bifunctional intercalating agent. Bernier JL, et al. **Biochem J** 1981 Dec 1;199(3):479–84

Phosphorylation of nuclear and DNA-binding proteins in proliferating and quiescent mammalian cells. Gerner EW, et al. **Biochem J** 1981 Jan 15;194(1):193–207

Superoxide-dependent formation of hydroxyl radicals in the presence of iron salts. Detection of 'free' iron in biological systems by using bleomycin-dependent degradation of DNA. Gutteridge JM, et al. **Biochem J** 1981 Oct 1; 199(1):263–5

The EcoRI restriction endonuclease, covalently closed DNA and ethidium bromide. Halford SE, et al. **Biochem J** 1981 Dec 1;199(3):767–77

Dependence on androgens of the specific DNA-binding activity of rat ventral-prostate non-histone chromosomal proteins. Lesser BH, et al. **Biochem J** 1981 Jan 15; 194(1):91–8

Incorporation of metabolites of 2'-fluoro-5-iodo-1-beta-D-arabinofuranosylcytosine into deoxyribonucleic acid of neoplastic and normal mammalian tissues. Grant AJ, et al. **Biochem Pharmacol** 1982 Mar 15; 31(6):1103–8

Correlation of nitrosourea murine bone marrow toxicity with deoxyribonucleic acid alkylation and chromatin binding sites. Green D, et al. **Biochem Pharmacol** 1982 May 1; 31(9):1671–9

Deoxyribonucleic acid methylation in human cells exposed to nitrosocimetidine. Jensen DE. **Biochem Pharmacol** 1981 Oct;30(20):2864–7

Mechanism of action of antitumor 3-(2-haloethyl) aryltriazenes on deoxyribonucleic acid. Lown JW, et al. **Biochem Pharmacol** 1982 Apr 1;31(7):1257–66

Role of one-electron and two-electron reduction products of adriamycin and daunomycin in deoxyribonucleic acid binding. Sinha BK, et al. **Biochem Pharmacol** 1981 Sep 15; 30(18):2626–9

Hybridization of nuclear matrix attached deoxyribonucleic acid fragments. Basler J, et al. **Biochemistry** 1981 Nov 24; 20(24):6921–9

Diffusion-driven mechanisms of protein translocation on nucleic acids. 1. Models and theory. Berg OG, et al. **Biochemistry** 1981 Nov 24;20(24):6929–48

Kinetics of the interaction between echinomycin and deoxyribonucleic acid. Fox KR, et al. **Biochemistry** 1981 Sep 29;20(20):5768–79

Noncovalent binding of 7 beta, 8 alpha-dihydroxy-9 alpha, 10 alpha-epoxytetrahydrobenzo[a]pyrene to deoxyribonucleic acid and its catalytic effect on the hydrolysis of the diol epoxide to tetrol. Geacintov NE, et al. **Biochemistry** 1982 Apr 13;21(8):1864–9

Binding of benzo[a]pyrene to histones and altered affinity of modified histone 1 for deoxyribonucleic acid. Jenson JC, et al. **Biochemistry** 1982 Feb 16;21(4):601–7

Anthramycin binding to deoxyribonucleic acid-mitomycin C complexes. Evidence for drug-induced deoxyribonucleic acid conformational change and cooperativity in mitomycin C binding. Kaplan DJ, et al. **Biochemistry** 1981 Dec 22; 20(26):7572–80

Altered physiochemical properties of the deoxyribonucleic acid-mitomycin C complex. Evidence for the conformational change in deoxyribonucleic acid. Kaplan DJ, et al. **Biochemistry** 1982 Jun 8;21(12):3006–13

Solubilization of the carcinogen nickel subsulfide and its interaction with deoxyribonucleic acid and protein. Lee JE, et al. **Biochemistry** 1982 Feb 16;21(4):771–8

Role of actinomycin pentapeptides in actinomycin-deoxyribonucleic acid binding and kinetics. Mirau PA, et al. **Biochemistry** 1982 May 25;21(11):2626–31

Messenger ribonucleic acid transcripts of pea chloroplast deoxyribonucleic acid. Oishi K, et al. **Biochemistry** 1981 Sep 29;20(20):5710–7

Viscometric and fluorometric studies of deoxyribonucleic acid interactions of several new anthracyclines. Pachter JA, et al. **Biochemistry** 1982 Mar 30;21(7):1541–7

Developmentally regulated nonhistone proteins: evidence for deoxyribonucleic acid binding role and localization near deoxyribonuclease I sensitive domains of precartilage cell chromatin. Perle MA, et al. **Biochemistry** 1982 May 11; 21(10):2379–86

Replicative conformation of parental nucleosomes: salt sensitivity of deoxyribonucleic acid-histone interaction and alteration of histone H1 binding. Schlaeger EJ. **Biochemistry** 1982 Jun 22;21(13):3167–74

Unfolding of 175-base-pair nucleosomes. Schlessinger FB, et al. **Biochemistry** 1982 Feb 16;21(4):664–9

Inhibition of the BamHI cleavage and unwinding of pBR322 deoxyribonucleic acid by the antitumor drug cis-dichlorodiammineplatinum(II). Ushay HM, et al. **Biochemistry** 1981 Jun 23;20(13):3744–8

Specificity of the catalytic interaction of human DNA polymerase beta with nucleic acid substrates. Wang TS, et al. **Biochemistry** 1982 Mar 30;21(7):1597–608

Triiodothyronine receptor from rat liver nuclei. Interaction, after partial purification, with DNA and chromatin. Anselmet A, et al. **Biochim Biophys Acta** 1981 Nov 27; 656(1):16–27

The alkaline hydrolysis of phosphotriesters in alkylated mammalian DNA. Crathorn AR, et al. **Biochim Biophys Acta** 1982 May 31;697(2):259–61

Kinetics of dissociation of quinoxaline antibiotics from DNA. Fox KR, et al. **Biochim Biophys Acta** 1981 Jul 27; 654(2):279–86

Influence of inorganic cations and histone proteins on the terbium(III)–nucleic acid interaction. Gross DS, et al. **Biochim Biophys Acta** 1981 Dec 28;656(2):167–76

DNA fork displacement rates in Bloom's syndrome fibroblasts. Kapp LN. **Biochim Biophys Acta** 1982 Feb 26; 696(2):226–7

Sequence sensitivity of histone binding. Leffak IM, et al. **Biochim Biophys Acta** 1981 Nov 27;656(1):86–92

The binding of androgen receptor to DNA and RNA. Lin SY, et al. **Biochim Biophys Acta** 1981 Jul 27;654(2):181–6

The binding of simian virus 40 large T antigen to the polyphosphate backbone of nucleic acids. Montenarh M, et al. **Biochim Biophys Acta** 1982 Jun 30;697(3):322–9

Extraction of DNA–cellulose–bound glucocorticoid–receptor complexes with sodium tungstate. Murakami N, et al. **Biochim Biophys Acta** 1981 Sep 4; 676(3):386–94

Quantitative aspects of the formation and loss of DNA interstrand crosslinks in Chinese hamster cells following treatment with cis–diamminedichloroplatinum(II) (cisplatin). II. Comparison of results from alkaline elution, DNA renaturation and DNA sedimentation studies. Pera MF Jr, et al. **Biochim Biophys Acta** 1981 Sep 28; 655(2):152–66

Quantitative aspects of the formation and loss of DNA interstrand crosslinks in Chinese hamster cells following treatment with cis–diamminedichloroplatinum(II) (cisplatin). I. Proportion of DNA–platinum reactions involved in DNA crosslinking. Roberts JJ, et al. **Biochim Biophys Acta** 1981 Sep 28;655(2):146–51

Binding of netropsin to DNA in complexes with polypeptides containing repetitive lysine sequences. Vojtavová H, et al. **Biochim Biophys Acta** 1981 Jul 27;654(2):175–80

Characteristics of enzymatic DNA methylation in cultured cells of human and hamster origin, and the effect of DNA replication inhibition. Woodcock DM, et al. **Biochim Biophys Acta** 1982 Jan 26;696(1):15–22

Proteins that shape DNA. Duguet M. **Biochimie** 1981 Aug–Sep;63(8–9):649–69 (223 ref.)

UV spectroscopic studies of the binding of malouetine to double–stranded DNA. Gourevitch MI, et al. **Biochimie** 1981 Oct;63(10):743–54

Carcinogen binding to DNA. Straub KM, et al. **Biomed Mass Spectrom** 1981 Sep;8(9):431–5

Comparative microcalorimetric dilatometric analysis of the interactions of quinacrine, chloroquine, and ethidium bromide with DNA. Delben F, et al. **Biopolymers** 1982 Feb;21(2):331–41

Binding of ligands to a one–dimensional heterogeneous lattice. III. Kinetic model and relaxation study of the interaction of tilorone with DNA and polynucleotides. Sturm J. **Biopolymers** 1982 Jun;21(6):1189–206

Recognition of base sequences by regulatory proteins in procaryotes and eucaryotes. Hélène C. **Biosci Rep** 1981 Jun;1(6):477–83

Fluorimetric detection of different structures induced by concentration changes of alkaline and alkaline–earth counterions on covalently closed DNA. Masotti L, et al. **Biosci Rep** 1981 Sep;1(9):701–7

DNA fragmentation in N–diazoacetylglycine amide–treated cells determined, by the rate of strand separation in alkali with hydroxylapatite chromatography in batch. Maura A, et al. **Boll Soc Ital Biol Sper** 1981 Jun 15;57(11):1282–6

Modulation of ascites tumour growth by nucleic acids and nucleases. Burdon RH, et al. **Br J Cancer** 1982 Feb; 45(2):295–9

DNA organization in nucleosomes. Bazett–Jones DP, et al. **Can J Biochem** 1982 Mar;60(3):364–70

DNA breakage activity of the methanol extract of auromomycin. Kalvin DM, et al. **Cancer Chemother Pharmacol** 1981;7(1):41–50

Structure–activity relationships involved in the site–specific fragmentation of linear duplex DNAs by talisomycin and bleomycin analogs. Mirabelli CK, et al. **Cancer Chemother Pharmacol** 1982;8(1):57–65

The binding of benzo[a]pyrene to mouse and rat skin DNA. Baer–Dubowska W, et al. **Cancer Lett** 1981 Jun;13(1):47–52

Formation of covalent deoxyribonucleic acid benzo[a]pyrene 4,5–epoxide adduct in mouse and rat skin. Baer–Dubowska W, et al. **Cancer Lett** 1981 Nov;14(2):125–9

Methylation of chromosomal DNA by two alkylating agents differing in carcinogenic potential. Berkowitz EM, et al. **Cancer Lett** 1981 May;12(4):311–21

Interrelationships between cellular proliferation, DNA alkylation and age as determinants of ethylnitrosourea–induced neoplasia. Chang MJ, et al. **Cancer Lett** 1981 Jun;13(1):39–45

Nickel carbonate induces DNA–protein crosslinks and DNA strand breaks in rat kidney. Ciccarelli RB, et al. **Cancer Lett** 1981 May;12(4):349–54

The induction of DNA strand breakage by nickel compounds in cultured Chinese hamster ovary cells. Robison SH, et al. **Cancer Lett** 1982 Jan;15(1):35–40

Repair of DNA adducts of the carcinogen 15,16–dihydro–11–methylcyclopenta[a]phenanthren–17–on in mouse tissues and its relation to tumor induction. Abbott PJ, et al. **Cancer Res** 1981 Oct;41(10):4115–20

Repair of DNA alkylation induced in L1210 leukemia and murine bone marrow by three chloroethylnitrosoureas. Ahlgren JD, et al. **Cancer Res** 1982 Jul;42(7):2605–8

Inhibition in vivo of the formation of adducts between metabolites of benzo(a)pyrene and DNA by butylated hydroxyanisole. Anderson MW, et al. **Cancer Res** 1981 Nov;41(11 Pt 1):4309–15

Linear dose–response curve for the hepatic macromolecular binding of aflatoxin B1 in rats at very low exposures. Appleton BS, et al. **Cancer Res** 1982 Sep;42(9):3659–62

Nuclear catalyzed antibiotic free radical formation. Bachur NR, et al. **Cancer Res** 1982 Mar;42(3):1078–81

Interaction of benzo(a)pyrene and its dihydrodiol–epoxide derivative with nuclear and mitochondrial DNA in C3H10T 1/2 cell cultures. Backer JM, et al. **Cancer Res** 1982 Jul;42(7):2764–9

Abnormal sensitivity of skin fibroblasts from familial polyposis patients to DNA alkylating agents. Barfknecht TR, et al. **Cancer Res** 1982 Apr;42(4):1249–54

Cell specificity in hepatocarcinogenesis: preferential accumulation of O6–methylguanine in target cell DNA during continuous exposure to rats to 1,2–dimethylhydrazine. Bedell MA, et al. **Cancer Res** 1982 Aug;42(8):3079–83

Persistence of DNA adducts in rat liver and kidney after multiple doses of the carcinogen N–hydroxy–2–acetylaminofluorene. Beland FA, et al. **Cancer Res** 1982 Apr;42(4):1348–54

Elevated transcriptional complexity and decrease in enzymatic DNA methylation in cells treated with L–ethionine. Boehm TL, et al. **Cancer Res** 1981 Oct; 41(10):4101–6

Elevated level of enzymatic DNA methylation in cells treated with 1–beta–D–arabinofuranosylcytosine. Boehm TL, et al. **Cancer Res** 1982 Apr;42(4):1537–40

Effect of inhibitors of tumorigenesis on the formation of O6–methylguanine in the colon of 1,2–dimethylhydrazine–treated rats. Bull AW, et al. **Cancer Res** 1981 Dec;41(12 Pt 1):4938–41

Nickel distribution and DNA lesions induced in rat tissues by the carcinogen nickel carbonate. Ciccarelli RB, et al. **Cancer Res** 1982 Sep;42(9):3544–9

Comparative studies of DNA cross–linking and cytotoxicity in Burkitt's lymphoma cell lines treated with cis–diamminedichloroplatinum(II) and L–phenylalanine mustard. Ducore JM, et al. **Cancer Res** 1982 Mar; 42(3):897–902

Cytochrome P–450– and flavin–containing monooxygenase–catalyzed formation of the carcinogen N–hydroxy–2–aminofluorene and its covalent binding to nuclear DNA. Frederick CB, et al. **Cancer Res** 1982 Jul; 42(7):2671–7

Inhibition of PM–2 DNA degradation by a human serum protein. Galvan L, et al. **Cancer Res** 1982 Apr; 42(4):1555–61

Quantitation of aflatoxin B1–modified DNA using monoclonal antibodies. Groopman JD, et al. **Cancer Res** 1982 Aug;42(8):3120–4

Roles of 2–haloethylene oxides and 2–haloacetaldehydes derived from vinyl bromide and vinyl chloride in irreversible binding to protein and DNA. Guengerich FP, et al. **Cancer Res** 1981 Nov;41(11 Pt 1):4391–8

In vivo kinetics of O6–methylguanine and 7–methylguanine formation and persistence in DNA of rats treated with symmetrical dimethylhydrazine. Herron DC, et al. **Cancer Res** 1981 Oct;41(10):3967–72

Effect of butylated hydroxyanisole, alpha–angelica lactone, and beta–naphthoflavone on benzo(alpha)pyrene:DNA adduct formation in vivo in the forestomach, lung, and liver of mice. Ioannou YM, et al. **Cancer Res** 1982 Apr; 42(4):1199–204

Metabolism and covalent binding to DNA of 7–methylbenzo(a)pyrene. Kinoshita T, et al. **Cancer Res** 1982 Oct;42(10):4032–8

Nondetection of O6–methylguanine in rat DNA following in vivo treatment with large doses of cimetidine alone or in combination with sodium nitrite. Kyrtopoulos SA, et al. **Cancer Res** 1982 May;42(5):1962–6

Excision repair of aflatoxin B1–DNA adducts in human fibroblasts. Leadon SA, et al. **Cancer Res** 1981 Dec;41(12 Pt 1):5125–9

Immunochemical studies of DNA modified by cis–dichlorodiammineplatinum(II) in vivo and in vitro. Malfoy B, et al. **Cancer Res** 1981 Oct;41(10):4127–31

Covalent binding of benzidine and N–acetylbenzidine to DNA at the C–8 atom of deoxyguanosine in vivo and in vitro. Martin CN, et al. **Cancer Res** 1982 Jul;42(7):2678–86

Trapping of DNA–reactive metabolites of therapeutic or carcinogenic agents by carbon–14–labeled synthetic polynucleotides. Mehta JR, et al. **Cancer Res** 1982 Aug; 42(8):2996–9

Influence of bay–region methyl group on formation of 5–methylchrysene dihydrodiol epoxide:DNA adducts in mouse skin. Melikian AA, et al. **Cancer Res** 1982 Apr; 42(4):1239–42

DNA supercoiling, shortening, and induction of single–strand regions by cis–diamminedichlorioplatinum(II). Mong S, et al. **Cancer Res** 1981 Oct;41(10):4020–6

Formation and removal of (guan–8–yl)–DNA–2–acetylaminofluorene adducts in liver and kidney of male rats given dietary 2–acetylaminofluorene. Poirier MC, et al. **Cancer Res** 1982 Apr;42(4):1317–21

Dose– and cell cycle–dependent O6–methylguanine elimination from DNA in regenerating rat liver after [14C]dimethylnitrosamine injection. Rabes HM, et al. **Cancer Res** 1982 Sep;42(9):3814–21

Chemical synthesis of radiolabeled bleomycin A2 and its binding to DNA. Roy SN, et al. **Cancer Res** 1981 Nov; 41(11 Pt 1):4471–7

DNA adducts of the carcinogen, 15,16–dihydro–11–methylcyclopenta[a]phenanthren–17–on in vivo and in vitro: high pressure liquid chromatographic separation and partial characterization. Abbott PJ, et al. **Carcinogenesis** 1981;2(7):629–36

Changes in epidermal polyamine biosynthesis and specific activity of DNA following a single application of 12–O–tetradecanoyl–phorbol–13–acetate to hairless mouse skin. Astrup EG, et al. **Carcinogenesis** 1981;2(6):545–51

Nonenzymatic methylation of DNA by S–adenosylmethionine in vitro. Barrows LR, et al. **Carcinogenesis** 1982;3(3):349–51

Methylation of liver DNA guanine in hydrazine hepatotoxicity: dose–response and kinetic characteristics of 7–methylguanine and O6–methylguanine formation and persistence in rats. Becker RA, et al. **Carcinogenesis** 1981; 2(11):1181–8

Hypomethylation of DNA in Raji cells after treatment with N–methyl–N–nitrosourea. Boehm TL, et al. **Carcinogenesis** 1981;2(1):39–42

Evaluation of DNA damage by alkaline elution technique after in vivo treatment with aromatic amines. Bolognesi C, et al. **Carcinogenesis** 1981;2(4):265–8

Effect of pretreatment by feeding acetylaminofluorene on methylated purines formed in rat liver DNA after administration of dimethylnitrosamine. Charlesworth JD, et al. **Carcinogenesis** 1981;2(4):329–42

Inhibition of DNA–directed beta–galactosidase synthesis in a cell–free system by dimethyl sulfate and N–methyl–N–nitrosourea. Chen BP. **Carcinogenesis** 1980 May;1(5):367–74

The induction of SCE and chromosomal aberrations with relation to specific base methylation of DNA in Chinese hamster cells by N–methyl–N–nitrosourea and dimethyl sulphate. Connell JR, et al. **Carcinogenesis** 1982;3(4):385–90

Interaction of aflatoxin B2 with rat liver DNA and histones in vivo. Groopman JD, et al. **Carcinogenesis** 1981; 2(12):1371–3

On the effect of cellular nucleophiles on the binding of metabolites of 7,8–dihydroxy–7,8–dihydrobenzo(a)pyrene and 9–hydroxybenzo(a)pyrene to nuclear DNA. Guenthner TM, et al. **Carcinogenesis** 1980 May;1(5):407–18

Effects of selenium on 1,2–dimethylhydrazine metabolism and DNA alkylation. Harbach PR, et al. **Carcinogenesis** 1981;2(7):575–80

The metabolic and activation of dibenz[a,c]anthracene. Hewer A, et al. **Carcinogenesis** 1981;2(12):1345–52

The binding of N–hydroxy–2–acetylaminofluorene to DNA and repair of the adducts in primary rat hepatocyte cultures. Howard PC, et al. **Carcinogenesis** 1981;2(2):97–102

Photoactivated aflatoxins are mutagens to Salmonella typhimurium and bind covalently to DNA in vitro. Israel–Kalinsky H, et al. **Carcinogenesis** 1982;3(4):423–9

Mechanism for the loss of preferential benzo [a] pyrene binding to the linker DNA of chromatin. Jack PL, et al. **Carcinogenesis** 1982;3(3):341–4

The in vitro methylation of DNA by microsomally–activated dimethylnitrosamine and its correlation with formaldehyde production. Jensen DE, et al. **Carcinogenesis** 1981; 2(4):349–54

7, 12–dimethylbenz [a] anthracene–deoxyribonucleoside adduct formation in vivo: evidence for the formation and binding of a mono–hydroxymethyl–DMBA metabolite to rat liver DNA. Joyce NJ, et al. **Carcinogenesis** 1982; 3(3):297–301

Formation of urothelial and hepatic DNA adducts from carcinogen 2–naphthylamine. Kadlubar FF, et al. **Carcinogenesis** 1981;2(5):467–70

DNA methylation by N–nitrosomethylbenzylamine in target and non–target tissues of NMRI mice. Kleihues P, et al. **Carcinogenesis** 1981;2(9):897–9

DNA methylation and methylase levels in normal and malignant mouse hepatic tissues. Lapeyre JN, et al. **Carcinogenesis** 1981;2(9):873–8

Influence of the rate of 7,12–dimethylbenz[a]anthracene metabolic activation, in vivo, on its binding to epidermal DNA and skin carcinogenesis. Lesca P. **Carcinogenesis** 1981;2(3):199–204

Modulation of the covalent binding of aryl hydrocarbon metabolites to DNA in vitro after treatment of rats and mice with trans–stilbene oxide. Lesca P, et al. **Carcinogenesis** 1981;2(10):1049–56

Role of sulfation in the formation of DNA adducts from N–hydroxy–2–acetylaminofluorene in rat liver in vivo. Inhibition of N–acetylated aminofluorene adduct formation by pentachlorophenol. Meerman JH, et al. **Carcinogenesis** 1981;2(5):413–6

DNA–protein cross–linking by the mycotoxin, botryodiplodin, in mammalian cells. Moulé Y, et al. **Carcinogenesis** 1982;3(2):211–4

Studies on the in vitro transfer of DNA binding benzo[a]pyrene metabolites from rat hepatocytes to human fibroblasts. Nordenskjöld M, et al. **Carcinogenesis** 1981;

2(11):1151–60

Stimulation of transfer of methyl groups from O6-methylguanine in DNA to protein by rat liver extracts in response to hepatotoxins. Pegg AE, et al. **Carcinogenesis** 1981;2(11):1195–200

Detection of N-hydroxy-2-acetylaminofluorene-DNA adducts in rat liver measured by radioimmunoassay. Rio P, et al. **Carcinogenesis** 1982;3(2):225–7

The incorporation of O4-methylthymidine into V79A cell DNA when present in the cell culture medium. Saffhill R, et al. **Carcinogenesis** 1980 Jun;1(6):487–93

In vitro reaction of the carcinogenic derivative N-acetoxy-7-ethyl-N-2-acetylaminofluorene with DNA. A spectroscopic study. Saint-Ruf G, et al. **Carcinogenesis** 1981;2(10):1019–25

Metabolism and DNA binding of benzo[a]pyrene in cultured human bladder and bronchus. Stoner GD, et al. **Carcinogenesis** 1982;3(2):195–201

Formation and removal of 7,12-dimethylbenz[a]anthracene--nucleic acid adducts in rat mammary epithelial cells with different susceptibility to carcinogenesis. Tay LK, et al. **Carcinogenesis** 1981; 2(12):1327–33

Metabolism of benzo[a]pyrene and DNA adduct formation in cultured human epidermal keratinocytes. Theall G, et al. **Carcinogenesis** 1981;2(7):581–7

Measurement of O6-ethyldeoxyguanosine and N-(deoxyguanosin-8-yl)-N-acetyl-2-aminofluorene in DNA by high-sensitive enzyme immunoassays. Van Der Laken CJ, et al. **Carcinogenesis** 1982;3(5):569–72

Partial persistency of 2-aminofluorene and N-acetyl-2-aminofluorene in rat liver DNA. Visser A, et al. **Carcinogenesis** 1981;2(8):737–40

Interaction of DNA with cytosolic 3-methylcholanthrene binding proteins from either rat or mouse liver. Weaver D, et al. **Carcinogenesis** 1980 Jun;1(6):481–6

Characterization of the hepatic DNA damage caused by 1,2-dibromoethane using the alkaline elution technique. White RD, et al. **Carcinogenesis** 1981;2(9):839–44

DNA methylation controls the inducibility of the mouse metallothionein-I gene lymphoid cells. Compere SJ, et al. **Cell** 1981 Jul;25(1):233–40

DNAase I sensitivity and methylation of active versus inactive rRNA genes in xenopus species hybrids. Macleod D, et al. **Cell** 1982 May;29(1):211–8

Deficient repair of chemical adducts in alpha DNA of monkey cells. Zolan ME, et al. **Cell** 1982 Mar;28(3):613–9

The influence of denervation on DNA content in skeletal muscle fibers. Savettieri G, et al. **Cell Biol Int Rep** 1981 Sep;5(9):845–9

Changes in endonuclease activity and in chromatin structure of rat hepatocytes during fetal and neonatal life. Rossi R, et al. **Cell Differ** 1982 Apr;11(2):91–8

Genetic studies on fresh water snails, specific intermediate hosts for schistosomiasis—III. Chemical mutation through incorporation of 5-bromouracil into deoxyribonucleic acid (DNA). Nabih I, et al. **Cell Mol Biol** 1981;27(2-3):271–3

Binding of 3,3'-dichlorobenzidine to DNA and polyribonucleotides in vitro. Bratcher SC, et al. **Chem Biol Interact** 1982 Feb;38(3):369–75

Effect of 2(3)-tert-butyl-4-hydroxyanisole on benzo[a]pyrene metabolism and DNA-binding of benzo[a]pyrene metabolites in isolated mouse hepatocytes. Dock L, et al. **Chem Biol Interact** 1982 Jul 15;41(1):25–37

Toxicity, interstrand cross-links and DNA fragmentation induced by 'activated' cyclophosphamide in yeast: comparative studies on 4-hydroperoxy-cyclophosphamide, its monofunctional analogon, acrolein, phosphoramide mustard, and nor-nitrogen mustard. Fleer R, et al. **Chem Biol Interact** 1982 Mar 1;39(1):1–15

DNA-protein cross-linking by chromium salts. Fornace AJ Jr, et al. **Chem Biol Interact** 1981 Sep;36(3):345–54

DNA-methylation by nitrosocimetidine and N-methyl-N-nitro-N-nitrosoguanidine in the intact rat. Gombar CT, et al. **Chem Biol Interact** 1982 Jun; 40(2):149–57

DNA modification in rat lungs following intratracheal or subcutaneous administration of 4-nitroquinoline-1-oxide, benzo[a]pyrene or 2-aminoanthracene. Harpaz R, et al. **Chem Biol Interact** 1981 Aug;36(2):129–40

Excision of benzo[a]pyrene diol epoxide I adducts from nucleosomal DNA of confluent normal human fibroblasts. Kaneko M, et al. **Chem Biol Interact** 1982 Feb;38(3):261–74

DNA alkylation by vinyl chloride metabolites: etheno derivatives or 7-alkylation of guanine? Laib RJ, et al. **Chem Biol Interact** 1981 Oct;37(1-2):219–31

The persistence of DNA damage in the pancreas of syrian golden hamsters treated with N-nitrosobis(2-oxopropyl)-amine. Lawson T, et al. **Chem Biol Interact** 1982 Feb;38(3):317–23

Irreparable DNA cross-links and mammalian cell lethality with bifunctional alkylating agents. Murnane JP, et al. **Chem Biol Interact** 1981 Dec;38(1):75–86

Induction and repair of DNA strand breaks in cultured human fibroblasts exposed to various phenols and dihydrodiols of benzo[a]pyrene. Nordenskjöld M, et al. **Chem Biol Interact** 1982 Aug;41(2):155–68

The frequency of interstrand cross-links in DNA following reaction of cis-diamminedichloroplatinum(II) with cells in culture or DNA in vitro: stability of DNA cross-links and their repair. Roberts JJ, et al. **Chem Biol Interact** 1982 Mar 15;39(2):181–9

Metabolism and nucleic acid binding of 7-fluoro-2-acetamidofluorene in rats: oxidative defluorination and apparent dissociation from hepatocarcinogenesis of 8-(N-arylamide) guanine adducts on DNA. Scribner JD, et al. **Chem Biol Interact** 1982 May; 40(1):27–43

Irreversible binding of reductively activated streptonigrin to nucleic acids in the presence of metals. Sinha BK. **Chem Biol Interact** 1981 Aug;36(2):179–88

Effects of the trivalent and hexavalent chromium on the physicochemical properties of mammalian cell nucleic acids and synthetic polynucleotides. Tamino G, et al. **Chem Biol Interact** 1981 Nov;37(3):309–19

A comparison of the carcinogen-DNA adducts formed in rat liver in vivo after administration of single or multiple doses of N-methyl-4-aminoazobenzene. Tillis DL, et al. **Chem Biol Interact** 1981 Dec;38(1):15–27

Receptor sites in DNA for the dark and photochemical interactions with 4,5'-dimethylangelicin, a potential agent for the photochemotherapy. Vedaldi D, et al. **Chem Biol Interact** 1981 Sep;36(3):275–86

Preparation of 35S-labeled ribonucleic acid and deoxyribonucleic acid and their use for the assay of nucleolytic enzymes (nucleosides and nucleotides. XXXIX. Miura K, et al. **Chem Pharm Bull (Tokyo)** 1982 Mar; 30(3):1069–72

Spectroscopic analysis of drug-nucleic acid interactions. Dougherty G, et al. **CRC Crit Revbiochem** 1982 Feb; 12(2):103–32 (71 ref.)

Simplified method for DNA and protein staining of human hematopoietic cell samples. Crissman HA, et al. **Cytometry** 1981 Sep;2(2):59–62

Interactions between pairs of DNA-binding dyes: results and implications of chromosome analysis. Latt SA, et al. **Cytometry** 1980 Jul;1(1):2–12

The fluorescence intensity of propidium iodide bound to DNA depends on the concentration of sodium chloride. Martens AC, et al. **Cytometry** 1981 Jul;2(1):24–5

Continuous exposure of the chick embryo to l-alpha-noracetylmethadol does not alter brain protein or nucleic acid content. Kuwahara MD, et al. **Dev Pharmacol Ther** 1981;3(1):12–24

Mechanism of inhibition of enzymatic DNA methylation by N-2-acetylaminofluorene bound to DNA. Pfohl-Leszkowicz A, et al. **Dev Toxicol Environ Sci** 1980; 8:245–8

Formation of precancerous islands in rat liver and modification of DNA by ethyl carbamate: implications for its metabolism. Scherer E, et al. **Dev Toxicol Environ Sci** 1980;8:249–54

Reaction with DNA and DNA-repair in chemical carcinogenesis. Swann PF, et al. **Dev Toxicol Environ Sci** 1980;8:219–29 (52 ref.)

Stimulated and non-stimulated rat spleen cells release different DNA-complexes. Adams DH, et al. **Differentiation** 1982;22(1):47–52

Alkylation of mammalian cell DNA, persistence of adducts, and relationship to carcinogenesis. Bresnick E, et al. **Drug Metab Rev** 1982;13(2):189–205 (26 ref.)

Effect of thyrotropin on the sensitivity of thyroid nuclear deoxyribonucleic acid to digestion by micrococcal nuclease. Abe Y, et al. **Endocrinology** 1982 Jun; 110(6):2118–23

Metal mutagens and carcinogens effectively displace acridine orange from DNA as measured by fluorescence polarization. Richardson CL, et al. **Environ Mutagen** 1981; 3(5):545–53

Cultured .at embryo accumulation of DNA, RNA, and protein following maternal administration of sodium arsenate. Fisher DL. **Environ Res** 1982 Jun;28(1):1–9

The organization of the chloroplast DNA in wheat and maize in the region containing the LS gene. Koller B, et al. **Eur J Biochem** 1982 Feb;122(1):17–23

Identification of a class of lysines within the non-specific DNA-binding site of RNA polymerase core enzyme from Escherichia coli. Makoff AJ, et al. **Eur J Biochem** 1980 May;106(1):313–20

1-beta-D-arabinofuranosylcytosine stimulates thymidine incorporation into the DNA of contact-inhibited cells. Foster DA. **Exp Cell Res** 1981 Oct;135(2):427–31

[3H] thymidine incorporation in bovine lymphocytes treated with the tumor promoter, 12-O-tetradecanoyl phorbol-13-acetate. Mastro AM, et al. **Exp Cell Res** 1981 Oct;135(2):267–76

Age-related DNA fragmentation in two varieties of Drosophila melanogaster, Phaseolus (cotyledons), and three tissues of the mouse. Polson CD, et al. **Exp Gerontol** 1982;17(1):11–7

Methylation of chromosomal proteins and DNA of rat brain and its modulation by estradiol and calcium during aging. Thakur MK, et al. **Exp Gerontol** 1981;16(4):331–6

3-Amino- and 3-oxy-derivatives of psoralen: preparation and interactions with DNA. Antonello C, et al. **Farmaco [Sci]** 1981 Jul;36(7):565–84

Carbomethoxy-derivatives of psoralen: interactions with DNA and photobiological properties. Marciani Magno S, et al. **Farmaco [Sci]** 1981 Jul;36(7):629–47

Cloning of human thyroglobulin complementary DNA. Brocas H, et al. **FEBS Lett** 1982 Jan 25;137(2):189–92

Sanguinarine: a monofunctional intercalating alkaloid. Maiti M, et al. **FEBS Lett** 1982 Jun 7;142(2):280–4

Bis-actinomycin D: a new synthetic sequence-specific ligand. Mikhailov MV, et al. **FEBS Lett** 1981 Dec 21;136(1):53–7

DNA-binding property of free and chromatin-bound RNA polymerase II. Analysis by DNA-Sephadex G-25 chromatography. Okai Y, et al. **FEBS Lett** 1982 May 3; 141(1):102–5

Electrically induced fluorescence as a method for studying benzo[a]pyrene binding to DNA. Ridler PJ, et al. **FEBS Lett** 1982 Mar 8;139(1):101–4

Butyrate does not induce single strand breaks in Friend erythroleukemia cells or in 3T6 mouse fibroblasts. Wintersberg E, et al. **FEBS Lett** 1982 Feb 22;138(2):218–20

Incorporation of exogenous DNA into L cells outside the S phase. Keprtová J, et al. **Folia Biol (Praha)** 1982; 28(1):60–6

2-hydroxystilbamidine isethionate: a new fluorochrome for use in general pathology. I. The selective staining of DNA, mucosubstances and elastic fibres. Murgatroyd LB. **Histochemistry** 1982;74(1):107–14

A cytophotometric measurement of DNA in murine hepatocytic nuclei during cytomegalovirus infection. Papadimitriou JM, et al. **Histochemistry** 1981;72(4):481–7

Polymorphism of 5-methylcytosine-rich DNA in human acrocentric chromosomes. Okamoto E, et al. **Hum Genet** 1981;58(3):255–9

Changes in DNA distributions and ploidy of CHO cells as a function of time in culture. Barranco SC, et al. **In Vitro** 1981 Aug;17(8):730–4

Organophosphate pesticide metasystox-induced regional alterations in brain nucleic acid metabolism. Tayyaba K, et al. **Indian J Exp Biol** 1981 Jul;19(7):688–90

A comparison of the base-pair specificities of three phenanthridine drugs using solution spectroscopy. Dougherty G. **Int J Biochem** 1982;14(6):493–504

Inhibition of DNA transcription by chromosomal nonhistone proteins. Kilianska Z, et al. **Int J Biochem** 1981; 13(11):1127–32

Benzo(a)pyrene metabolism and DNA adduct formation in serially cultivated strains of human epidermal keratinocytes. Parkinson EK, et al. **Int J Cancer** 1980 Sep 15;26(3):289–99

Nucleic acid, metabolic and histological changes in gilt mammary tissue during pregnancy and lactogenesis. Kensinger RS, et al. **J Anim Sci** 1982 Jun;54(6):1297–308

Sequence specificity of DNA adenine methylase in the protozoan Tetrahymena thermophila. Bromberg S, et al. **J Bacteriol** 1982 May;150(2):993–6

Structure of the lambda tof repressor protein in solution. Heat stability and its relation to binding ability to DNA. Iwahashi H, et al. **J Biochem (Tokyo)** 1982 Apr; 91(4):1213–21

Hydrolysis of ATP dependent on homologous double-stranded DNA and single-stranded fragments promoted by RecA protein of Escherichia coli. Ohtani T, et al. **J Biochem (Tokyo)** 1982 May;91(5):1767–75

Unusual compartmentation of precursors for nuclear and mitochondrial DNA in mouse L cells. Bestwick RK, et al. **J Biol Chem** 1982 Aug 25;257(16):9305–8

Stoichiometry of DNA strand scission and aldehyde formation by bleomycin. Burger RM, et al. **J Biol Chem** 1982 Aug 10;257(15):8612–4

Analysis of elastin gene expression in the developing chick aorta using cloned elastin cDNA. Burnett W, et al. **J Biol Chem** 1982 Feb 25;257(4):1569–72

Preparation of psoralen-cross-linked R-loops and generation of large deletions by their repair in vivo. Chatterjee PK, et al. **J Biol Chem** 1982 Aug 10;257(15):9173–80

Cloning and characterization of cDNA sequences corresponding to myosin light chains 1, 2, and 3, troponin-C, troponin-T, alpha-tropomyosin, and alpha-actin. Garfinkel LI, et al. **J Biol Chem** 1982 Sep 25; 257(18):11078–86

Cloning of DNA complementary to rat liver NADPH-cytochrome c (P-450) oxidoreductase and cytochrome P-450b mRNAs. Evidence that phenobarbital augments transcription of specific genes. Gonzalez FJ, et al. **J Biol Chem** 1982 May 25;257(10):5962–8

Somatostatin-28 encoded in a cloned cDNA obtained from a rat medullary thyroid carcinoma. Goodman RH, et al. **J Biol Chem** 1982 Feb 10;257(3):1156–9

Divalent cation modulation of fibronectin binding to heparin and to DNA. Hayashi M, et al. **J Biol Chem** 1982 May 10;257(9):5263–7

Complex hormonal regulation of rat casein gene expression. Hobbs AA, et al. **J Biol Chem** 1982 Apr 10;257(7):3598–605

Molecular cloning of gene sequences for avian fatty acid synthase and evidence for nutritional regulation of fatty acid synthase mRNA concentration. Morris SM Jr, et al. **J Biol Chem** 1982 Mar 25;257(6):3225–9

Reaction of anthramycin with DNA. Biological consequences of DNA damage in normal and xeroderma pigmentosum cell. Petrusek RL, et al. **J Biol Chem** 1982 Jun 10;257(11):6207–16

Quantitation of estrogen effect on Xenopus laevis albumin mRNA levels by hybridization to cloned albumin cDNA. Philipp BW, et al. **J Biol Chem** 1982 Jul 25; 257(14):8496–501

Mouse glandular kallikrein genes. Nucleotide sequence of cloned cDNA coding for a member of the kallikrein arginyl esteropeptidase group of serine proteases. Richards RI, et al. **J Biol Chem** 1982 Mar 25;257(6):2758–61

RecA protein-dependent proteolysis of bacteriophage lambda repressor Characterization of the reaction and

stimulation by DNA-binding proteins. Weinstock GM, et al. **J Biol Chem** 1981 Nov 10;256(21):10883–8

Distribution of the liver carcinogen methapyrilene in Fischer rats and its interaction with macromolecules. Lijinsky W, et al. **J Cancer Res Clin Oncol** 1982;103(1):69–73

Metabolism of benzo(a)pyrene by human epithelial and fibroblastic cells: metabolite patterns and DNA adduct formation. Bartley J, et al. **J Cell Biochem** 1982; 18(2):135–48

Evolutionary constraints on quantitative variation and regulation of macronuclear dna content in the genus Tetrahymena. Doerder FP, et al. **J Cell Sci** 1981 Jun; 49:177–93

Use of high-performance liquid chromatography to quantitate thymine-containing pyrimidine dimers in DNA. Love JD, et al. **J Chromatogr** 1982 May 21;240(2):475–87

Antibodies to extractable nuclear antigens in 173 patients with DNA-binding positive SLE: an association between antibodies to ribonucleoprotein and Sm antigens observed by counterimmunoelectrophoresis. Bunn CC, et al. **J Clin Lab Immunol** 1982 May;8(1):13–7

Accumulation of DNA, RNA, and protein by cultured rat embryos following maternal administration of a teratogenic dose of trypan blue. Fisher DL. **J Exp Zool** 1981 Jun; 216(3):415–22

Aspects of thymidine metabolism and function in cultured mammalian cells infected with herpes simplex virus type 1. Baybutt HN, et al. **J Gen Virol** 1982 Apr;59(Pt 2):223–34

DNA methylation--a regulatory signal in eukaryotic gene expression. Doerfler W. **J Gen Virol** 1981 Nov;57(Pt 1):1–20 (280 ref.)

Properties of the avian viral protein p12. Sykora KW, et al. **J Gen Virol** 1981 Aug;55(Pt 2):379–91

DNA dependence and inhibition by novobiocin and coumermycin of the nucleolar adenosine triphosphatase (ATPase) of human fibroblasts. Fox N, et al. **J Histochem Cytochem** 1982 Apr;30(4):364–70

Analysis of the changes in the morphology and staining density characteristics of cartilagenous cell nuclei from Triturus cristatus during aging and regeneration. Jeanny JC, et al. **J Histochem Cytochem** 1981 Nov;29(11):1281–8

Interaction of DEAP fluoranthene (RMI 9563 DA) with DNA and metaphase chromosomes. Miller FD, et al. **J Histochem Cytochem** 1981 Aug;29(8):969–76

Methylangelicins: new potential agents for the photochemotherapy of psoriasis. Structure-activity study on the dark and photochemical interactions with DNA. Dall'Acqua F, et al. **J Med Chem** 1981 Jul;24(7):806–11

New dimeric analogues of ethidium; synthesis, interaction with DNA, and antitumor activity. Kuhlmann KF, et al. **J Med Chem** 1981 Nov;24(11):1333–7

Methylated and unmethylated ribosomal RNA genes in the mouse. Bird AP, et al. **J Mol Biol** 1981 Oct 15;152(1):1–17

Hydrodynamic studies of the interaction between nucleosome core particles and core histones. Eisenberg H, et al. **J Mol Biol** 1981 Aug 25;150(4):537–55

DNA turnover in rat cerebral cortex. Perrone-Capano C, et al. **J Neurochem** 1982 Jan;38(1):52–6

Effect of vitamin A compounds on the covalent binding of benzo(a)pyrene to nuclear macromolecules. Nomi S, et al. **J Nutr Sci Vitaminol (Tokyo)** 1981;27(1):33–41

DNA-binding specificity and RNA polymerase inhibitory activity of bis(aminoalkyl)anthraquinones and bis(methylthio)vinylquinolinium iodides. Foye WO, et al. **J Pharm Sci** 1982 Feb;71(2):253–7

The interaction of granaticin with nucleic acids and pyruvate decarboxylase. Gibson-Clay G, et al. **J Pharm Sci** 1982 Apr;71(4):467–8

Absence of DNA damage in liver of rats given high doses of cimetidine and sodium nitrite. Brambilla G, et al. **J Pharmacol Exp Ther** 1982 Apr;221(1):222–7

Studies on the interaction of bleomycin A2 with rat lung microsomes. II. Involvement of adventitious iron and reactive oxygen in bleomycin-mediated DNA chain breakage. Trush MA, et al. **J Pharmacol Exp Ther** 1982 Apr;221(1):159–65

Studies on the interaction of bleomycin A2 with rat lung microsomes. I. Characterization of factors which influence bleomycin-mediated DNA chain breakage. Trush MA, et al. **J Pharmacol Exp Ther** 1982 Apr;221(1):152–8

Changes in DNA, cyclic nucleotides and steroids during induced follicular atresia in the hamster. Hubbard CJ, et al. **J Reprod Fertil** 1981 Nov;63(2):455–61

The effects of polyribonucleotides on the binding of dexamethasone-receptor complex to DNA. Tymoczko JL, et al. **J Steroid Biochem** 1982 May;16(5):595–8

Androgen receptors from rat kidney and brain; DNA-binding properties of wild-type and tfm mutant. Wieland SJ, et al. **J Steroid Biochem** 1981 May;14(5):409–14

Alkylation of DNA and tissue specificity in nitrosamine carcinogenesis. Montesano R. **J Supramol Struct Cell Biochem** 1981;17(3):259–73

The in vivo formation and repair of DNA adducts from 1'-hydroxysafrole. Phillips DH, et al. **J Supramol Struct Cell Biochem** 1981;16(1):83–90

Different forms of simian virus 40 large tumor antigen varying in their affinities for DNA. Gidoni D, et al. **J Virol** 1982 May;42(2):456–66

Mapping of an adenovirus function involved in the inhibition of DNA degradation. Lai Fatt RB, et al. **J Virol** 1982 Jun; 42(3):969–77

Discrete regions of simian virus 40 large T antigen are required for nonspecific and viral origin-specific DNA binding. Prives C, et al. **J Virol** 1982 Jul;43(1):73–82

Cell damage by near ultraviolet radiation: role of DNA–protein cross–links. Eisenstark A, et al. **JNCI** 1982 Jul;69(1):177–81

Indirect alkylation of CBA mouse liver DNA and RNA by hydrazine in vivo. A possible mechanism of action as a carcinogen. Quintero-Ruiz A, et al. **JNCI** 1981 Sep; 67(3):613–8

DNA distribution in human colon carcinomas and its relationship to clinical behavior. Wolley RC, et al. **JNCI** 1982 Jul;69(1):15–22

Loss of DNA and euchromatin in senescing leaf cells of Allium. Drumm A, et al. **Mech Ageing Dev** 1982 Feb; 18(2):103–10

Changes in DNA, RNA and protein and the activities of acid and alkaline deoxyribonucleases in grey and white matter regions of developing and aging rat cerebrum. Rao KV, et al. **Mech Ageing Dev** 1982 Mar;18(3):225–38

Increased disulfide-mediated condensation of the nuclear DNA–protein complex in lymphocytes during postnatal development and aging. Tas S, et al. **Mech Ageing Dev** 1982 May;19(1):73–84

Age-related variations in human lymphocyte DNA. Turner DR, et al. **Mech Ageing Dev** 1981 Nov;17(3):305–9

Screening of colonies by RNA-DNA hybridization with mRNA from induced and uninduced cells. Maeda S, et al. **Methods Enzymol** 1981;79(Pt B):613–8

Annealing of oligo(dC)–tailed ds cDNA with oligo(dG)–tailed plasmid and transformation of Escherichia coli chi 1776 with recombinant DNA. Maeda S. **Methods Enzymol** 1981;79(Pt B):611–3

Covalent binding of electrophilic metabolites to macromolecules. Pohl LR, et al. **Methods Enzymol** 1981; 77:43–50

Gallamine blue staining of DNA in mammalian tissue sections: analyses of in situ absorption spectra. Dutt MK. **Microsc Acta** 1982 Jan;85(3):273–9

Nonintercalative DNA–binding antitumour compounds. Baguley BC. **Mol Cell Biochem** 1982 Apr 2;43(3):167–81 (91 ref.)

Morphological transformation, DNA strand separation, and antinucleoside immunoreactivity following exposure of cells to intercalating drugs. Neubort S, et al. **Mol Pharmacol** 1982 May;21(3):739–43

Interaction of the antitumor drug 4'-(9-acridinylamino)methanesulfon-m-anisidide and related acridines with nucleic acids. Wilson WR, et al. **Mol Pharmacol** 1981 Sep;20(2):404–14

Molecular dosimetry of DNA damage caused by alkylation. I. Single-strand breaks induced by ethylating agents in cultured mammalian cells in relation to survival. Abbondandolo A, et al. **Mutat Res** 1982 Feb 22; 92(1–2):361–77

DNA damage induced by the antihistaminic drug methapyrilene hydrochloride. Althaus FR, et al. **Mutat Res** 1982 Mar;103(3–6):213–8

Modification of MR mutator activity in repair-deficient strains of Drosophila melanogaster. Eeken JC, et al. **Mutat Res** 1981 Sep;83(2):191–200

Repair of trans-Pt(II) diamminedichloride DNA-protein crosslinks in normal and excision-deficient human cells. Fornace AJ Jr, et al. **Mutat Res** 1982 Jun;94(2):277–84

DNA–cell–binding (DCB) assay for suspected carcinogens and mutagens. Kubinski H, et al. **Mutat Res** 1981 Jun; 89(2):95–136

DNA damage in liver of mice treated with N–nitrodimethylamine. Pala M, et al. **Mutat Res** 1982 Mar; 103(3–6):207–11

Quantitative correlations amongst alkaline DNA fragmentation, DNA covalent binding, mutagenicity in the Ames test and carcinogenicity, for 21 compounds. Parodi S, et al. **Mutat Res** 1982 Mar;93(1):1–24

The relationship between DNA and chromosome damage after bleomycin treatment: dose–response measurements. Sognier MA, et al. **Mutat Res** 1982 Mar;93(1):149–59

Identification of the DNA adducts formed in vitro from N–benzoyloxy–N–methyl–4–aminoazobenzene and in rat liver in vivo after administration of N–methyl–4–aminoazobenzene. Beland FA, et al. **Natl Cancer Inst Monogr** 1981 Dec;(58):153–61

Structural modification and protein recognition of DNA modified by N–2–fluorenylacetamide, its 7–iodo derivative, and by N–2–fluorenamine. Daune MP, et al. **Natl Cancer Inst Monogr** 1981 Dec;(58):201–10

Formation of DNA adducts by the carcinogen N–hydroxy–2–naphthylamine. Kadlubar FF, et al. **Natl Cancer Inst Monogr** 1981 Dec;(58):143–52

Molecular mechanism of chemical modification of cellular nucleic acid bases by 4–hydroxyaminoquinoline 1–oxide. Kawazoe Y. **Natl Cancer Inst Monogr** 1981 Dec;(58):183–4

Formation of N–2–fluorenylhydroxylamine adducts of DNA in vivo and in vitro and some of their properties. Kriek E, et al. **Natl Cancer Inst Monogr** 1981 Dec;(58):139–42

Significance of metabolic activation and binding to nucleic acids of aminostilbene derivatives in vivo. Neumann HG. **Natl Cancer Inst Monogr** 1981 Dec;(58):165–71

Detection and quantitation of acetylated and deacetylated N–2–fluorenylacetamide–DNA adducts by radioimmunoassay. Poirier MC, et al. **Natl Cancer Inst Monogr** 1981 Dec;(58):211–6

Determinants of nucleic acid adduct formation. Scribner JD. **Natl Cancer Inst Monogr** 1981 Dec;(58):173–81

DNA adducts formed from N–benzoyloxy–N–methyl–4–aminoazobenzene in vitro and from N, N–dimethyl–4–aminoazobenzene in mouse liver. Tarpley WG, et al. **Natl Cancer Inst Monogr** 1981 Dec; (58):163–4

Methylation of chloroplast DNA in Chlamydomonas. Dyer TA. **Nature** 1982 Jul 29;298(5873):422–3

DNA unwinding in transcription and recombination [news] Fisher LM. **Nature** 1982 Sep 9;299(5879):105–6

Demethylation of CpG sites in DNA of early rabbit trophoblast. Manes C, et al. **Nature** 1981 Oct 15–21; 293(5833):589–90

The molecular basis of DNA–protein recognition inferred from the structure of cro repressor. Ohlendorf DH, et al. **Nature** 1982 Aug 19;298(5876):718–23

Expression of human beta–interferon cDNA under the control of a thymidine kinase promoter from herpes simplex virus. Reyes GR, et al. **Nature** 1982 Jun 17; 297(5867):598–601

The helicity of DNA in complexes with recA protein. Stasiak A, et al. **Nature** 1982 Sep 9;299(5879):185–6

Do steroid receptors recognize DNA sequences? [news] Tata JR. **Nature** 1982 Aug 19;298(5876):707–8

Streptozotocin and alloxan induce DNA strand breaks and poly(ADP–ribose) synthetase in pancreatic islets. Yamamoto H, et al. **Nature** 1981 Nov 19;294(5838):284–6

Benzpyrene groups bind preferentially to the DNA of active chromatin in human lung cells. Arrand JE, et al. **Nucleic Acids Res** 1982 Mar 11;10(5):1547–55

A system in mouse liver for the repair of O6–methylguanine lesions in methylated DNA. Bogden JM, et al. **Nucleic Acids Res** 1981 Jul 10;9(13):3089–103

Molecular cloning of human immune interferon cDNA and its expression in eukaryotic cells. Devos R, et al. **Nucleic Acids Res** 1982 Apr 24;10(8):2487–501

A generalized method of subcloning DNA fragments by restriction site reconstruction: application to sequencing the amino–terminal coding region of the transforming gene of Gazdar murine sarcoma virus. Donoghue DJ, et al. **Nucleic Acids Res** 1982 Apr 24;10(8):2549–64

Coordinate regulation of ribosomal protein mRNA level in regenerating rat liver. Study with the corresponding mouse cloned cDNAs. Faliks D, et al. **Nucleic Acids Res** 1982 Feb 11;10(3):789–801

Changes in chromatin structure at the replication fork. II The DNPs containing nascent DNA and a transient chromatin modification detected by DNAase I. Galili G, et al. **Nucleic Acids Res** 1981 Aug 25;9(16):3991–4005

Infectivity and structure of molecular clones obtained from two genetically transmitted Moloney leukemia proviral genomes. Harbers K, et al. **Nucleic Acids Res** 1982 Apr 24;10(8):2521–37

Molecular cloning of rabbit gamma heavy chain mRNA. Heidmann O, et al. **Nucleic Acids Res** 1982 Mar 11; 10(5):1535–45

Interaction of the antitumour drug 4'-(9–acridinylamino)–methanesulfon–m–anisidine.HCl (m–AMSA) with nucleic acids. Hudecz F, et al. **Nucleic Acids Res** 1981 Dec 21;9(24):6959–73

The distribution of benzo(a)pyrene DNA adducts in mammalian chromatin. Jack PL, et al. **Nucleic Acids Res** 1981 Nov 11;9(21):5533–52

Chicken histone H5: selection of a cDNA recombinant using an extended synthetic primer. Krieg PA, et al. **Nucleic Acids Res** 1982 Mar 11;10(5):1495–502

Rearrangements of DNA–protein interactions in animal cells coupled with cellular growth–quiescence transitions. Lichtenstein AV, et al. **Nucleic Acids Res** 1982 Feb 11; 10(3):1127–45

Gene shuttling: moving of cloned DNA into and out of eukaryotic cells. Lindenmaier W, et al. **Nucleic Acids Res** 1982 Feb 25;10(4):1243–56

Construction of chimeric plasmids containing histone H5 cDNA from hen erythrocyte. DNA sequence of a fragment derived from the 5' region of H5 mRNA. Ruiz–Vazquez R, et al. **Nucleic Acids Res** 1982 Mar 25;10(6):2093–108

Rifampicin inhibition of RNA synthesis by destabilisation of DNA–RNA polymerase–oligonucleotide–complexes. Schulz W, et al. **Nucleic Acids Res** 1981 Dec 21; 9(24):6889–906

Molecular cloning of partial cDNA copies of two distinct mouse IFN–beta mRNAs. Skup D, et al. **Nucleic Acids Res** 1982 May 25;10(10):3069–84

Anthramycin inhibition of restriction endonuclease cleavage and its use as a reversible blocking agent in DNA constructions. Sumner W 2d, et al. **Nucleic Acids Res** 1981 May 11;9(9):2105–19

Characterization of the DNA duplication–transposition that controls the expression of two genes for variant surface glycoproteins in Trypanosoma brucei. Van der Ploeg LH, et al. **Nucleic Acids Res** 1982 Jan 22;10(2):593–609

Construction and partial characterization of two recombinant cDNA clones for procollagen from chicken cartilage. Vuorio E, et al. **Nucleic Acids Res** 1982 Feb 25; 10(4):1175–92

Transcription of T–DNA in octopine and nopaline crown gall tumours is inhibited by low concentrations of alpha–amanitin. Willmitzer L, et al. **Nucleic Acids Res** 1981 Oct 10;9(19):4801–12

Kinetics of furocoumarin photosensitization of DNA to near–ultraviolet radiation. Grossweiner LI.

Photochem Photobiol 1981 Jul;34(1):119–23
Characterization of the photoreaction between DNA and aminomethyl-trimethylpsoralen using absorption and fluorescence spectroscopy. Johnston BH, et al. **Photochem Photobiol** 1981 Jun;33(6):785–91
Influence of prenatal hypoxia on the DNA, RNA and protein content of the telencephalon of newborn and young rats. Lun A, et al. **Physiol Bohemoslov** 1982;31(1):87–90
Inheritance of DNA methylation in microinjected eggs of Xenopus laevis. Harland RM. **Proc Natl Acad Sci USA** 1982 Apr;79(7):2323–7
Theoretical aspects of translocation on DNA: adenosine triphosphatases and treadmilling binding proteins. Hill TL, et al. **Proc Natl Acad Sci USA** 1981 Aug;78(8):4796–800
Mechanisms of DNA uptake by mammalian cells: fate of exogenously added DNA monitored by the use of fluorescent dyes. Loyter A, et al. **Proc Natl Acad Sci USA** 1982 Jan;79(2):422–6
Simple rapid method for the synthesis of radioactively labeled cDNA hybridization probes utilizing bacteriophage M13mp7. Ricca GA, et al. **Proc Natl Acad Sci USA** 1982 Feb;79(3):724–8
cDNA recombinant plasmid complementary to mRNAs for light chains 1 and 3 of mouse skeletal muscle myosin. Robert B, et al. **Proc Natl Acad Sci USA** 1982 Apr; 79(8):2437–41
Murine erythroleukemia cell differentiation: DNase I hypersensitivity and DNA methylation near the globin genes. Sheffery M, et al. **Proc Natl Acad Sci USA** 1982 Feb;79(4):1180–4
Metabolism of benzo[a]pyrene by human mammary epithelial cells: toxicity and DNA adduct formation. Stampfer MR, et al. **Proc Natl Acad Sci USA** 1981 Oct;78(10):6251–5
DNA precursor pool: a significant target for N-methyl-N-nitrosourea in C3H/10T1/2 clone 8 cells. Topal MD, et al. **Proc Natl Acad Sci USA** 1982 Apr; 79(7):2211–5
Ethidium bromide changes the nuclease-sensitive DNA binding sites of the antitumor drug cis-diamminedichloroplatinum(II). Tullius TD, et al. **Proc Natl Acad Sci USA** 1982 Jun;79(11):3489–92
Analogues of 5-methyl cytosine and early embryonic development. Maharajan V, et al. **Prog Clin Biol Res** 1982; 85 Pt A:227–34
In vitro interactions of endotoxin, chromatin, DNA, and steroid hormone receptors. Tavakoli H, et al. **Prog Clin Biol Res** 1981;62:33–43
The molecular basis for the action of some DNA-binding drugs. Neidle S. **Prog Med Chem** 1979;16:151–221 (290 ref.)
DNA: multiprotein interactions. **Prog Nucleic Acid Res Mol Biol** 1981;26:1–330
DNA damage as the primary cause of aging. Gensler HL, et al. **Q Rev Biol** 1981 Sep;56(3):279–303 (205 ref.)
Effects of hyperthermia on the sedimentation of nucleoids from HeLa cells in sucrose gradients. Roti Roti JL, et al. **Radiat Res** 1982 Jan;89(1):166–75
Effect of polyamines on the formation of DNA-immunoglobulin G complexes. Baeza IR, et al. **Rev Latinoam Microbiol** 1980 Oct-Dec;22(4):213–9
Studies of DNA damage and cell death in embryonic limb buds induced by teratogenic exposure to cyclophosphamide. Manson JM, et al. **Teratogenesis Carcinog Mutagen** 1982;2(1):47–59
Carcinogen-DNA interaction: differential effects of distamycin-a and spermine on the formation of 7-methylguanine in DNA by N-methyl-N-nitrosourea, methylmethanesulfonate, and dimethylsulfate. Rajalakshmi S, et al. **Teratogenesis Carcinog Mutagen** 1980;1(1):97–104
Aberrant methylation of liver DNA in rats during hepatotoxicity. Barrows LR, et al. **Toxicol Appl Pharmacol** 1981 Sep 15;60(2):334–45
Comparison of protein, RNA, and DNA binding and cell-cycle-specific growth inhibitory effects of nickel compounds in cultured cells. Harnett PB, et al. **Toxicol Appl Pharmacol** 1982 Jun 15;64(1):20–30
Dose-dependency of 2-acetylaminofluorene binding to liver DNA and hemoglobin in mice and rats. Pereira MA, et al. **Toxicol Appl Pharmacol** 1981 Sep 30;60(3):472–8
Comparison between sensitivity of a viscometric method and sensitivity of the alkaline elution assay for the determination of DNA damage induced by dimethylsulfate in vitro. Parodi S, et al. **Toxicol Lett** 1982 Mar;10(4):351–8
Reaction of benzyl chloride with haemoglobin and DNA in various organs of mice. Walles SA. **Toxicol Lett** 1981 Dec;9(4):379–87
[Study of DNA content in the lungs of rats after dust application (author's transl)] Havránková J, et al. **Bratisl Lek Listy** 1981 Nov;76(5):552–62 (Eng. Abstr.) (Cze)
[Effect of vitamin D on skin metabolism (author's transl)] Pavlovitch JH, et al. **Ann Endocrinol (Paris)** 1981 Oct-Nov; 42(4-5):477–81 (Eng. Abstr.) (Fre)
[Recognition and cleavage of apurinic sites in DNA by the tripeptide lysyl-tryptophyl-lysine] Behmoaras T, et al. **C R Seances Acad Sci [III]** 1981 Jul 6;293(1):5–8 (Eng. Abstr.) (Fre)
[Expression of results in studies of vascular biochemical components during the development of the SHR rat] Bucher B, et al. **Paroi Arterielle** 1980;6(4):207–11 (Eng. Abstr.) (Fre)
[In situ hybridization of nucleic acids] Hennig W. **Acta Histochem [Suppl] (Jena)** 1979;20:135–9 (Ger)
[DNS concentration and low temperature tolerance of human sperm cells] Glander HJ, et al. **Dermatol Monatsschr** 1981 Nov;167(11):708–10 (Ger)
[Gene structure and gene expression. Chicken lysozyme gene] Schütz G. **Naturwissenschaften** 1981 Apr;68(4):170–6 (Eng. Abstr.) (Ger)
[The effect of UV light on DNA metabolism of lymphocytes during radiotherapy (author's transl)] Klein W, et al. **Strahlentherapie** 1982 May;158(5):319–25 (Eng. Abstr.) (Ger)
[DNA metabolism of synovial cells in chronic polyarthritis after intra-articular administration of prednisolone] Bröll H. **Z Rheumatol** 1981 Nov-Dec;40(6):243–4 (Eng. Abstr.) (Ger)
[Studies on the induction by extracts from airborne particulates of benzo(a)pyrene hydroxylase and the binding of benzo(a)pyrene to DNA in the rat lung in vivo after pertracheal administration (author's transl)] Dehnen W, et al. **Zentralbl Bakteriol Mikrobiol Hyg [B]** 1981 Dec; 174(3):260–73 (Eng. Abstr.) (Ger)
[Specific effects of Cr ions on DNA: a comparison between the interaction of CrIII with purified DNA and with DNA from cultured cells] Balbi C, et al. **Boll Soc Ital Biol Sper** 1981 May 30;57(10):1143–8 (Eng. Abstr.) (Ita)
[Effect of treatment with Triton X-100 on DNA integrity and DNA:RNA: protein ratio of rat liver nuclei] Carlo P, et al. **Boll Soc Ital Biol Sper** 1981 Nov 30;57(22):2203–8 (Eng. Abstr.) (Ita)
[Affinity between CrIII and purified DNA, studied by competition with an intercalating agent: ethidium bromide] Vecchio D, et al. **Boll Soc Ital Biol Sper** 1981 May 30; 57(10):1149–55 (Eng. Abstr.) (Ita)
[Poly(ADP-ribose) polymerase and DNA (author's transl)] Yoshihara K. **Seikagaku** 1981;53(7):528–34 (75 ref.) (Jpn)
[Meiosis and recombination--chromatin structure and DNA metabolism (author's transl)] Hotta Y, et al. **Tanpakushitsu Kakusan Koso** 1980 Nov;25(12):1004–16 (32 ref.) (Jpn)
[Structure of regulatory proteins and their interaction with DNA (author's transl)] Kyogoku Y, et al. **Tanpakushitsu Kakusan Koso** 1982 Apr;27(6):883–96 (54 ref.) (Jpn)
[Limited accessibility of DNA methylation sites for bacterial methylases M. Eco RII and M.Eco dam in chromatin at different levels of organization] Kir'ianov GI, et al. **Biokhimiia** 1981 Oct;46(10):1887–95 (Eng. Abstr.) (Rus)
[Possible function of RNA-binding proteins of eukaryotes: blocking of RNA accessibility for DNA-interacting (regulatory) protein] Romanov GA. **Biokhimiia** 1982 Mar; 47(3):339–42 (Eng. Abstr.) (Rus)
[Changes in DNA methylation in guinea pig liver and kidney during vitamin B12 administration] Kliasheva RI. **Biol Nauki** 1981;(7):24–6 (Rus)
[Changes in the DNA content in hepatocyte nuclei of dogs subjected to prolonged crushing of soft tissues (microspectrophotometric study)] Avtandilov GG, et al. **Biull Eksp Biol Med** 1982 Feb;93(2):19–20 (Rus)
[Intensity of RNA synthesis and the DNA content in the myocardium of newborn rats during adaptation to altitude hypoxia] Kononova VA. **Biull Eksp Biol Med** 1982 May; 93(5):100–2 (Eng. Abstr.) (Rus)
[Repair of DNA-protein cross-links induced by antineoplastic alkylating agents] Lomova TIu, et al. **Biull Eksp Biol Med** 1981 Jul;92(7):74–6 (Eng. Abstr.) (Rus)
[Myocardial DNA damage and repair in emotional-painful stress] Meerson FZ, et al. **Biull Eksp Biol Med** 1981 Sep; 92(9):297–9 (Eng. Abstr.) (Rus)
[Utilization of mononuclear DNA by regeneration epidermis] Panchenko KI. **Biull Eksp Biol Med** 1981 Aug;92(8):103–5 (Eng. Abstr.) (Rus)
[Nucleosome 'attraction' in the chromatin of vertebrates for GC-pair-enriched DNA sites] Kharchenko EP, et al. **Dokl Akad Nauk SSSR** 1981;259(2):502–5 (Rus)
[Proteins tightly bound to DNA at sites of its attachment to the interphase nuclear matrix] Razin SV, et al. **Dokl Akad Nauk SSSR** 1982;263(4):1019–21 (Rus)
['Bis-netropsin' as a selective inhibitor of DNA-dependent RNA synthesis] Rechinskiĭ VO, et al. **Dokl Akad Nauk SSSR** 1981;259(1):244–7 (Rus)
[Interaction of H1 lysine-rich histone fragments with DNA] Avdiukova NV, et al. **Mol Biol (Mosk)** 1982 May-Jun; 16(3):619–25 (Eng. Abstr.) (Rus)
[Site-specific scission of DNA of polytene chromosomes of Chironomus thummi in situ by the oligoadenylate alkylating derivatives] Dymshits GM, et al. **Mol Biol (Mosk)** 1981 Jan-Feb;15(1):86–95 (Eng. Abstr.) (Rus)
[Complexity and diversity of poly(A)-containing mRNAs from different tissues of Bos taurus] Gorodetskiĭ SI, et al. **Mol Biol (Mosk)** 1982 Jan-Feb;16(1):82–93 (Eng. Abstr.) (Rus)
[Application of alkylating DNA derivatives for addressed modification of the genome] Mazin AV, et al. **Mol Biol (Mosk)** 1981 Jan-Feb;15(1):252–6 (Eng. Abstr.) (Rus)
[Synthesis and cloning of DNA, complementary to rabbit globin pre-mRNA] Zolotukhin SB, et al. **Mol Biol (Mosk)** 1982 Jan-Feb;16(1):47–54 (Eng. Abstr.) (Rus)
[Effect of steroid hormones on DNA matrix activity and glucocorticoid-receptor interaction] Golikov PP, et al. **Probl Endokrinol (Mosk)** 1981 May-Jun;27(3):52–6 (Eng. Abstr.) (Rus)
[Nucleic acid metabolism in the rat thymus exposed to the combined action of gamma radiation and plutonium-239] Elkina NI. **Radiobiologiia** 1982 Jan-Feb;22(1):35–9 (Eng. Abstr.) (Rus)
[Cytophotometric data on the dynamics of the liver nucleic acid content after sodium selenite administration to irradiated and intact animals] Kuliev TA, et al. **Radiobiologiia** 1981 May-Jun;21(3):451–3 (Rus)
[DNA excretion by human lymphocytes] Fedorov NA, et al. **Usp Sovrem Biol** 1982 Mar-Apr;93(2):171–82 (75 ref.) (Rus)
[Metabolism of nucleic acids and proteins in the myocardium] Iavich MP. **Usp Sovrem Biol** 1981 May-Jun;91(3):334–48 (141 ref.) (Rus)
[Repair of DNA damage caused by the antineoplastic antibiotic carminomycin] Trenin AS. **Vestn Akad Med Nauk SSSR** 1981;(5):71–5 (Eng. Abstr.) (Rus)
[Alkylation of liver DNA purines in rats of different age treated with diethylnitrosamine] Likhachev AIa, et al. **Vopr Med Khim** 1981 May-Jun;27(3):349–52 (Eng. Abstr.) (Rus)
[Prevention of structural damage to myocardial DNA caused by emotionally painful stress by means of beta-adrenoreceptor and lipid peroxidation blockade] Meerson FZ, et al. **Vopr Med Khim** 1982 Mar-Apr; 28(2):115–8 (Eng. Abstr.) (Rus)
[Cytochemical changes in the nucleic acids and proteins in the limbic structures of the rabbit brain during formation of a defensive conditioned reflex] Brazovskaia FA, et al. **Zh Vyssh Nerv Deiat** 1981 May-Jun;31(3):541–9 (Eng. Abstr.) (Rus)
[Effect of semicarbazide on the pulmonary nucleic acid and protein levels during fetal, postnatal and adult life in the rat] de la Fuente M, et al. **Arch Farmacol Toxicol** 1981 Aug;7(2):263–70 (Eng. Abstr.) (Spa)

PHARMACODYNAMICS

Effectiveness of the adriamycin-DNA complex in kidney allograft immunosuppression. Smeesters C, et al. **Can J Surg** 1981 Nov;24(6):597–600
Mitogen stimulation of human lymphocytes. II. Effect of exogenous DNA on lymphocyte function in systemic lupus erythematosus. Hamilton ME, et al. **Clin Immunol Immunopathol** 1982 Feb;22(2):238–46
DNA stimulates ATP-dependent proteolysis and protein-dependent ATPase activity of protease La from Escherichia coli. Chung CH, et al. **Proc Natl Acad Sci USA** 1982 Feb;79(3):795–9
Study on hereditary variations induced by silkworm DNA—mutagenecity of Attacus cynthia ricini by B. mori DNA. Chen Y, et al. **Sci Sin [B]** 1982 Feb;25(2):141–51
Modulation of platelet aggregation by native DNA - initial description of platelet receptor type, number and discrimination for native DNA. Fiedel BA, et al. **Thromb Haemost** 1981 Jun 30;45(3):263–6
[Liquid-crystal state of nucleic acids in solution] Evdokimov IuM, et al. **Dokl Akad Nauk SSSR** 1982;263(5):1254–7 (Rus)

PHYSIOLOGY

Repetitive sequences in eukaryotic DNA and their expression. Jelinek WR, et al. **Annu Rev Biochem** 1982; 51:813–44 (197 ref.)
The effect of ultrasonic irradiation on the template activity of calf thymus DNA. Arai S, et al. **J Radiat Res (Tokyo)** 1981 Jun;22(2):274–81
Visual biochemistry: new insight into structure and function of the genome. Vollenweider HJ. **Methods Biochem Anal** 1982;28:201–65 (322 ref.)
Involvement of histone H1 in the structure of the linker DNA in nucleosomes as revealed by nucleases. Lawrence JJ, et al. **Mol Biol Rep** 1981 Nov 30;8(1):45–9
Studies of X chromosome DNA methylation in normal human cells. Wolf SF, et al. **Nature** 1982 Feb 25; 295(5851):667–71
Analysis of the DNA and RNA changes associated with the expression of isotypic variant-specific antigens of trypanosomes. Pays E, et al. **Nucleic Acids Res** 1981 Sep 11;9(17):4225–38

RADIATION EFFECTS

Identification of radiation-induced thymine derivatives in DNA. Teebor GW, et al. **Adv Enzyme Regul** 1982;20:39–54
New approaches to DNA damage and repair: the ultraviolet light example. Haseltine WA, et al. **Basic Life Sci** 1982; 20:315–22
Nucleosomal distribution of thymine photodimers following far- and near-ultraviolet irradiation. Niggli HJ, et al. **Biochem Biophys Res Commun** 1982 Apr 14;105(3):1215–23
Identification of the cis-thymine glycol moiety in chemically oxidized and gamma-irradiated deoxyribonucleic acid by high-pressure liquid chromatography analysis. Frenkel K, et al. **Biochemistry** 1981 Dec 22;20(26):7566–71
Quantitation of the repair of gamma-radiation-induced double-strand DNA breaks in human fibroblasts. Woods WG. **Biochim Biophys Acta** 1981 Oct 27;655(3):342–8

Size and frequency of gaps in newly synthesized DNA of xeroderma pigmentosum human cells irradiated with ultraviolet light. Meneghini R, et al. **Biophys J** 1981 Jan; 33(1):81–92

Genetic studies on fresh water snails, specific intermediate hosts for schistosomiasis—IV. Gamma radiation as a physical mutagen on deoxyribonucleic acid 'DNA' in Biomphalaria alexandrina snails. Nabih I, et al. **Cell Mol Biol** 1981;27(2–3):275–7

Photoreaction between 4,7-dimethylallopsoralen and DNA: isolation of a fluorescent cycloadduct between the furocoumarin and thymine. Dall'Acqua F, et al. **Farmaco [Sci]** 1981 Jul;36(7):606–13

A transient post-irradiation defect in newly synthesised DNA. Cramp WA, et al. **Int J Radiat Biol** 1981 Nov; 40(5):573–9

Induction and repair of single-strand DNA breaks after X-irradiation of human fibroblasts deficient in glutathione. Edgren M, et al. **Int J Radiat Biol** 1981 Oct;40(4):355–63

Increased rate of repair of ultraviolet-induced DNA strand breaks in mitogen stimulated lymphocytes. Hamlet SM, et al. **Int J Radiat Biol** 1982 May;41(5):483–91

Effects of oxygen and sulphydryl-containing compounds on irradiated transforming DNA. Part I. Actions of dithiothreitol. Held KD, et al. **Int J Radiat Biol** 1981 Dec; 40(6):613–22

gamma-Radiolysis of DNA in oxygenated aqueous solutions: alterations at the sugar moiety. Isildar M, et al. **Int J Radiat Biol** 1981 Oct;40(4):347–54

Oxygen uptake in the radiolysis of aqueous solutions of nucleic acids and their constituents. Isildar M, et al. **Int J Radiat Biol** 1982 May;41(5):525–33

Mechanism for strand-break induction in DNA–proflavine complexes exposed to visible light. Piette J, et al. **Int J Radiat Biol** 1981 Oct;40(4):427–33

Viscosimetric analysis of the occurrence and repair of DNA single-strand breaks in irradiated animal tissues. Ryabchenko NI, et al. **Int J Radiat Biol** 1982 Apr; 41(4):389–99

Radiation-induced molecular size changes in DNA in the presence of p-nitroacetophenone. Pulse radiolysis in conjunction with light-scattering measurements. Washino K, et al. **Int J Radiat Biol** 1982 Mar;41(3):271–82

Are inducible components involved in the repair of irradiated neuronal and brain tumour DNA? Wheeler KT, et al. **Int J Radiat Biol** 1981 Sep;40(3):293–6

Prospects and difficulties in the far- and vacuum-ultraviolet spectroscopy of DNA. Földvári I, et al. **J Biochem Biophys Methods** 1982 Feb;5(6):319–27

Photoreactivity of chlorpromazine with native DNA in an aqueous solution. Fujita H, et al. **J Radiat Res (Tokyo)** 1980 Dec;21(3–4):279–87

Double-strand breaks in DNA caused by repair of damage due to ultraviolet light. Bradley MO. **J Supramol Struct Cell Biochem** 1981;16(4):337–43

DNA-repair synthesis in ataxia telangiectasis lymphoblastoid cells. Ford MD, et al. **Mutat Res** 1981 Dec;84(2):419–27

Measurement of M. luteus endonuclease-sensitive lesions by alkaline elution. Fornace AJ Jr. **Mutat Res** 1982 Jun; 94(2):263–76

Abnormal levels of UV-induced unscheduled DNA synthesis in ataxia telangiectasia cells after exposure to ionizing radiation. Jaspers NG, et al. **Mutat Res** 1982 Feb 22; 92(1–2):439–46

Characterization of radiation damage to DNA by reaction with borohydride. Schellenberg KA, et al. **Nucleic Acids Res** 1981 Aug 11;9(15):3863–72

Radiation induced DNA double strand breaks are rejoined by ligation and recombination processes. Weibezahn KF, et al. **Nucleic Acids Res** 1981 Jul 10;9(13):3139–50

Photoreaction of thymidine with primary amines. Application to specific modification of DNA. Saito I, et al. **Nucleic Acids Symp Ser** 1981;(10):61–4

Kinetics of furocoumarin photosensitization of DNA to near-ultraviolet radiation. Grossweiner LI. **Photochem Photobiol** 1981 Jul;34(1):119–23

Resistance of 3T3 mouse cells to UV light in relation to excision and transfer of dimers to daughter strands. Menck CF, et al. **Photochem Photobiol** 1982 Apr;35(4):507–13

Action spectra for the photolysis of 5-iododeoxyuridine in DNA and related model systems: evidence for short-range energy transfer. Rahn RO, et al. **Photochem Photobiol** 1982 Apr;35(4):459–65

The action spectrum (313–435 nm) for killing Hoechst 33258 treated Chinese hamster ovary cells containing bromodeoxyuridine substituted DNA. Rosenstein BS. **Photochem Photobiol** 1982 Feb;35(2):163–6

Photo-induced binding of sulfanilamide to cellular macromolecules. Sinha BK, et al. **Photochem Photobiol** 1982 Mar;35(3):413–8

Intracellular potassium: 40K as a primordial gene irradiator. Moore FD, et al. **Proc Natl Acad Sci USA** 1982 Jun; 79(11):3556–9

On the immunological detection of X-ray induced DNA damage. Waller H, et al. **Radiat Environ Biophs** 1981; 19(4):259–64

Thermal enhancement of X-ray-induced DNA crosslinking. Bowden GT, et al. **Radiat Res** 1982 Jan;89(1):203–8

Biopsy measurement of DNA damage and repair in vivo: single-strand breaks, alkali-labile bonds, and endonuclease-sensitive sites. Brash DE, et al. **Radiat Res** 1982 Jul;91(1):169–80

Effect of dose rate on the induction of DNA double-strand breaks in eucaryotic cells. Frankenberg-Schwager M, et al. **Radiat Res** 1981 Sep;87(3):710–7

Quantitation of cyclobutane pyrimidine dimer formation in double- and single-stranded DNA fragments of defined sequence. Gordon LK, et al. **Radiat Res** 1982 Jan; 89(1):99–112

Radiolytic pathways in gamma-irradiated DNA: influence of chemical and conformational factors. Gregoli S, et al. **Radiat Res** 1982 Feb;89(2):238–54

Somatic mutation and neoplastic transformation induced by [methyl-3H]thymidine. Lin SL, et al. **Radiat Res** 1982 Apr; 90(1):142–54

Radioimmune assay of induction and removal of uv lesions in total and staphylococcal nuclease-resistant DNA of mammalian chromatin. McConlogue LC, et al. **Radiat Res** 1982 Feb;89(2):381–95

Mutagenic and lethal effects of [5-125I]iodo-2'-deoxyuridine incorporated into DNA of mammalian cells, and their RBEs. Miyazaki N, et al. **Radiat Res** 1981 Dec;88(3):456–65

Inhibition of semiconservative DNA synthesis in ICR 2A frog cells exposed to monochromatic uv wavelengths (252–313 nm) and photoreactivating light. Rosenstein BS. **Radiat Res** 1982 Jun;90(3):509–17

Sensitization of mouse L cells to ultraviolet light by low amounts of bromodeoxyuridine. Thomas GH, et al. **Radiat Res** 1982 Jul;91(1):145–54

Radiation-induced thymine base damage in replicating chromatin. Warters RL, et al. **Radiat Res** 1982 Jun; 90(3):564–74

Studies on the amount of single-stranded DNA present in Chinese hamster ovary cells during the repair of damage induced by X rays or methyl methanesulfonate. Wong RS, et al. **Radiat Res** 1981 Sep;87(3):689–709

Transfer of radiation-induced spins from deoxyribonucleic and thymidylic acids to propyl gallate. Sheng P, et al. **Sci Sin [B]** 1982 May;25(5):473–84

Polarographically detected effect of radium irradiation on DNA solution. Forss M, et al. **Strahlentherapie** 1982 Feb; 158(2):123–4

[On the oxidative main-chain scission of nucleic acids—pulse radiolysis studies (author's transl)] Denk O, et al. **Z Naturforsch [C]** 1982 May–Jun;37(5–6):405–12 (Eng. Abstr.) **(Ger)**

[DNA degradation in vivo in dying thymocytes, model for the study of chromatin structure] Umanskiĭ SR, et al. **Mol Biol (Mosk)** 1981 Sep–Oct;15(5):1028–39 (Eng. Abstr.) **(Rus)**

[Induction and repair of radiation-induced DNA damage in rat hepatocytes] Bresler SE, et al. **Radiobiologiia** 1982 Jan–Feb;22(1):3–6 **(Rus)**

[Changes in the properties of the protein and nucleic acid components of an artificial nucleotide as affected by gamma and UV radiation] Kalabukhova TN, et al. **Radiobiologiia** 1981 Nov–Dec;21(6):912–5 (Eng. Abstr.) **(Rus)**

[Intensification of DNA radiation injuries by quinoid products] Kopylov VA, et al. **Radiobiologiia** 1981; 21(4):483–9 (Eng. Abstr.) **(Rus)**

[Mechanism of chromatin degradation in the thymocytes of irradiated rats. 3. Postradiation activation of autolytic disintegration of DNA in isolated thymocyte nuclei] Nikonova LV, et al. **Radiobiologiia** 1982 Mar–Apr; 22(2):160–4 (Eng. Abstr.) **(Rus)**

[Free-radical formation in biomacromolecules as affected by neutrons and gamma radiation] Sokolov VA, et al. **Radiobiologiia** 1981 May–Jun;21(3):330–4 (Eng. Abstr.) **(Rus)**

[Action of decimeter-range waves and of sinusoidal modulated currents on the nuclear DNA content of brain nerve cells (an experimental study)] Mikhaĭlik LV. **Vopr Kurortol Fizioter Lech Fiz Kult** 1982 Mar–Apr; (2):22–5 **(Rus)**

[Incorporation of labeled precursors into hematopoietic tissue DNA under prolonged gamma irradiation] Kisel'gof EI, et al. **Vopr Med Khim** 1981 Sep–Oct;27(5):590–3 **(Rus)**

[Difference in photoreactivation of DNA inactivated by ultraviolet light or near-ultraviolet light] López-Bracho MA, et al. **Rev Latinoam Microbiol** 1980 Oct–Dec; 22(4):205–12 **(Spa)**

THERAPEUTIC USE

Comparison of daunorubicin and daunorubicin–DNA complex in the treatment of acute nonlymphoblastic leukemia. Paul C, et al. **Cancer Chemother Pharmacol** 1981; 6(1):65–73

The effects of high molecular DNA on radiation-induced digestive dysfunction. Ahmad M, et al. **Radiobiol Radiother (Berl)** 1981;22(6):801–8

[Effect of DNA on recovery of the hematopoiesis in mice with myelosan-induced hypoplasia] Luzanov VM, et al. **Biull Eksp Biol Med** 1982 Jan;93(1):84–7 (Eng. Abstr.) **(Rus)**

[Radiosensitizing action of rubomycin and its DNA complex] Riabchenko NI, et al. **Med Radiol (Mosk)** 1981 Jul; 26(7):46–50 **(Rus)**

DNA, BACTERIAL

Classification of Mycobacterium simiae by means of comparative reciprocal intradermal sensitin testing on guinea-pigs and deoxyribonucleic acid hybridization. Baess I, et al. **Acta Pathol Microbiol Immunol Scand [B]** 1982 Apr;90(2):101–7

Agrobacterium tumefaciens RNA polymerase: a new purification procedure and a study of the stable binding sites on homologous deoxyribonucleic acid. Cardarelli M, et al. **Biochemistry** 1981 Oct 13;20(21):6097–102

Interactions of DNA with divalent metal ions. IV. Competitive studies of Mn2+ binding to AT- and GC-rich DNAs. Granot J, et al. **Biopolymers** 1982 May;21(5):873–83

Investigation of the flexibility of DNA using transient electric birefringence. Hagerman PJ. **Biopolymers** 1981 Jul; 20(7):1503–35

Dependence of laser light scattering of DNA on NaCl concentration. Kam Z, et al. **Biopolymers** 1981 Dec; 20(12):2671–90

Change in conformation of various DNAs on melting as followed by circular dichroism. Sprecher CA, et al. **Biopolymers** 1982 Feb;21(2):321–9

Analysis and excision of ring-opened phosphoramide mustard-deoxyguanine adducts in DNA. Chetsanga CJ, et al. **Cancer Res** 1982 Jul;42(7):2616–21

Bleomycin and talisomycin sequence-specific strand scission of DNA: a mechanism of double-strand cleavage. Mirabelli CK, et al. **Cancer Res** 1982 Jul;42(7):2779–85

Optical transforms of phleomycin-induced nodules in DNA. Pietsch P. **Cytobios** 1981;31(123–124):143–9

Rapid cloning of specific DNA fragments of Streptococcus pneumoniae by vector integration into the chromosome followed by endonucleolytic excision. Méjean V, et al. **Gene** 1981 Nov;15(2–3):289–93

Modification of Eco RI restriction sites by Caulobacter vibrioides. Scholl DR, et al. **Gene** 1982 Feb;17(2):163–6

Immunological cross-reactivity in the absence of DNA homology between Pseudomonas toxin A and diphtheria toxin. Sadoff JC, et al. **Infect Immun** 1982 Jul;37(1):250–4

Analysis of Mycoplasma hyorhinis genome by use of restriction endonucleases and by electron microscopy. Darai G, et al. **J Bacteriol** 1982 May;150(2):788–94

Conformation and segregation of nucleoids accompanying cell length extension after completion of a single round of DNA replication in germinated and outgrowing Bacillus subtilis spores. Hariharan IK, et al. **J Bacteriol** 1982 May; 150(2):861–9

Plasmid loss and changes within the chromosomal DNA of Streptomyces reticuli. Schrempf H. **J Bacteriol** 1982 Aug; 151(2):701–7

Homology between the invertible deoxyribonucleic acid sequence that controls flagellar-phase variation in Salmonella sp. and deoxyribonucleic acid sequences in other organisms. Szekely E, et al. **J Bacteriol** 1981 Dec; 148(3):829–36

Serological and genotypic diversity among serogroup 5-reacting environmental Legionella isolates. Garrity GM, et al. **J Clin Microbiol** 1982 Apr;15(4):646–53

Molecular homology and incompatibility in the IncFI plasmid Group. Bergquist PL, et al. **J Gen Microbiol** 1982 Feb;128(Pt 2):223–38

Isolation of mutant promoters in the Escherichia coli galactose operon using local mutagenesis on cloned DNA fragments. Busby S, et al. **J Mol Biol** 1982 Jan 15; 154(2):197–209

Electron microscope observation of a fibre structure formed by non-specific binding of cAMP receptor protein to DNA. Chang JJ, et al. **J Mol Biol** 1981 Aug 15;150(3):435–9

Physical mapping of DNA base sequence homologies between an octopine and a nopaline Ti plasmid of Agrobacterium tumefaciens. Engler G, et al. **J Mol Biol** 1981 Oct 25;152(2):183–208

Restriction and modification enzymes detect no allosteric changes in DNA with bound lac repressor or RNA polymerase. Frankel AD, et al. **J Mol Biol** 1981 Mar 15; 146(4):611–9

Novel mutations of Escherichia coli that produce recombinogenic lesions in DNA. V. Recombinogenic plasmids from arl mutants of Escherichia coli are unusually sensitive to nuclease S1 and partially deficient in cytosine methylation at C-C-(A/T)-G-G sequences. Korba BE, et al. **J Mol Biol** 1982 May 15;157(2):213–35

Site-specificity of the chromosomal insertion of Staphylococcus aureus transposon Tn554. Krolewski JJ, et al. **J Mol Biol** 1981 Oct 15;152(1):19–33

Escherichia coli lac repressor is elongated with its operator DNA binding domains located at both ends. McKay DB, et al. **J Mol Biol** 1982 Mar 25;156(1):175–83

Further correlations of the lacI genetic map with the DNA sequence. Miller JH, et al. **J Mol Biol** 1981 Nov 25; 153(1):65–6

Two-dimensional DNA electrophoresis applied to the study of DNA methylation and the analysis of genome size in Myxococcus xanthus. Yee T, et al. **J Mol Biol** 1982 Jan 15;154(2):181–96

Taxonomic relations between archaebacteria including 6 novel genera examined by cross hybridization of DNAs and 16S rRNAs. Tu JK, et al. **J Mol Evol** 1982;18(2):109–14

Characterization, assay, and use of isolated bacterial nucleoids. Hirschbein L, et al. **Methods Biochem Anal** 1982; 28:297–328 (106 ref.)

The sequence of IS4. Klaer R, et al. **MGG** 1981;181(2):169–75

Variant insertion element IS1 generates 8-base pair duplications of the target sequence. Iida S, et al. **Nature** 1981 Nov 26;294(5839):374–6

Determination of DNA cooperativity factor. Amirikyan BR,

et al. **Nucleic Acids Res** 1981 Oct 24;9(20):5469–82

Use of exonuclease III to determine the site of stable lesions in defined sequences of DNA: the cyclobutane pyrimidine dimer and cis and trans dichlorodiammine platinum II examples. Royer-Pokora B, et al. **Nucleic Acids Res** 1981 Sep 25;9(18):4595–609

1H NMR studies of lac-operator DNA fragments. Zuiderweg ER, et al. **Nucleic Acids Res** 1981 Dec 11; 9(23):6553–69

Mechanism for transcriptional action of cyclic AMP in Escherichia coli: entry into DNA to disrupt DNA secondary structure. Ebright RH, et al. **Proc Natl Acad Sci USA** 1981 Jul;78(7):4011–5

[Movable genetic elements in bacteria (author's transl)] Ohtsubo H. **Tanpakushitsu Kakusan Koso** 1982 Apr; 27(5):611–30 (119 ref.) **(Jpn)**

[Nuclease S1 for DNA molecular weight determination in multiplasmid Escherichia coli strains] Drygin IuF, et al. **Mol Biol (Mosk)** 1982 May–Jun;16(3):633–6 (Eng. Abstr.) **(Rus)**

ADMINISTRATION & DOSAGE

Liposome-mediated transformation of streptomycetes by chromosomal DNA. Makins JF, et al. **Nature** 1981 Oct 22;293(5834):671–3

ANALYSIS

A technique for the detection of large DNA alterations in complex genomes. Hintermann G, et al. **Anal Biochem** 1982 Apr;121(2):327–30

Structure of the malB regulatory interval. Bedouelle H. **Ann Microbiol (Paris)** 1982 Jan;133A(1):65–70

Plasmid DNA content of multiresistant Staphylococcus aureus strains. El Solh N, et al. **Ann Microbiol (Paris)** 1981 Sep–Oct;132B(2):131–56

A 300-MHz proton nuclear magnetic resonance investigation of deoxyribonucleic acid restriction fragments: dynamic properties. Early TA, et al. **Biochemistry** 1981 Jun 23; 20(13):3764–9

A 300- and 600-MHz proton nuclear magnetic resonance investigation of a 12 base pair deoxyribonucleic acid restriction fragment: relaxation behavior of the low-field resonances in water. Early TA, et al. **Biochemistry** 1981 Jun 23;20(13):3756–64

Cross-correlation laser scattering. Kam Z, et al. **Biophys J** 1982 Jul;39(1):7–13

Regulation of the S10 ribosomal protein operon in E. coli: nucleotide sequence at the start of the operon. Olins PO, et al. **Cell** 1981 Oct;26(2 Pt 2):205–11

The conservation of DNA sequences over very long periods of evolutionary time. Evidence against intergeneric chromosomal transfer as an explanation for the presence of Escherichia coli tuf gene sequences in taxonomically-unrelated prokaryotes. Filer D, et al. **Eur J Biochem** 1981 Nov;120(1):69–77

A rapid and economic method for estimation of the number of plasmid copies in Escherichia coli cells. Hochmannová J, et al. **Folia Microbiol (Praha)** 1982;27(2):138–41

The nucleotide sequence and protein-coding capability of the transposable element IS5. Engler JA, et al. **Gene** 1981 Aug;14(3):155–63

DNA sequence of the araBAD-araC controlling region in Salmonella typhimurium LT2. Horwitz AH, et al. **Gene** 1981 Sep;14(4):309–19

The promoter-proximal region of the Bacillus licheniformis penicillinase gene: Nucleotide sequence and predicted leader peptide sequence. Kroyer J, et al. **Gene** 1981 Dec; 15(4):343–7

Analysis of plasmid genome evolution based on nucleotide-sequence comparison of two related plasmids of Escherichia coli. Ryder TB, et al. **Gene** 1982 Mar; 17(3):299–310

The nucleotide sequence of IS5 from Escherichia coli. Schoner B, et al. **Gene** 1981 Aug;14(3):165–74

Two-dimensional display of lambda and Escherichia coli restriction fragments separated by Hg-Cs2SO4 centrifugation and gel electrophoresis. Yamagishi H, et al. **Gene** 1981 Sep;14(4):251–62

DNA rearrangements associated with reversion of bacteriophage Mu-induced mutations. Khatoon H, et al. **Genetics** 1981 May;98(1):1–24

High correlation of the presence of methyladenine in Neisseria gonorrhoeae DNA with the AHU auxotype. Kolodkin AB, et al. **Infect Immun** 1982 May;36(2):586–90

Extraction and characterization of plasmids from macrolide antibiotic-producing streptomycetes. Omura S, et al. **J Antibiot (Tokyo)** 1981 Apr;34(4):478–82

A rapid single colony lysate method for the selective visualization of plasmids in Enterobacteriaceae, including Serratia marcescens. Bidwell JL, et al. **J Antimicrob Chemother** 1981 Dec;8(6):481–5

DNA isolated from Mycobacterium leprae: genome size, base ratio, and homology with other related bacteria as determined by optical DNA-DNA reassociation. Imaeda T, et al. **J Bacteriol** 1982 Apr;150(1):414–7

Deoxyribonucleic acid methylation in mycobacteria. Srivastava R, et al. **J Bacteriol** 1981 Nov;148(2):716–9

Diagnosis of gonorrhea using a genetic transformation test on mailed clinical specimens. Jaffe HW, et al. **J Infect Dis** 1982 Aug;146(2):275–9

DNA homologies among Eikenella corrodens strains. Coykendall AL, et al. **J Periodont Res** 1980 Nov; 15(6):615–20

Macromolecular composition of bacteria. Churchward G, et al. **J Theor Biol** 1982 Feb 7;94(3):651–70

DNA sequences at the sites of three insertions of the transposable element Tn5 in the histidine operon of Salmonella. Bossi L, et al. **MGG** 1981;183(2):406–8

Physical characterization of the plasmid pON5300. Braná H, et al. **MGG** 1981;184(1):107–10

The DNA sequence change resulting from the IQ1 mutation, which greatly increases promoter strength. Calos MP, et al. **MGG** 1981;183(3):559–60

Further insight on the transferred-DNA of octopine crown gall. De Beuckeleer M, et al. **MGG** 1981;183(2):283–8

DNA sequence homology in Rhizobium meliloti plasmids. Jouanin L, et al. **MGG** 1981;182(2):189–95

The nucleotide sequence of the atp genes coding for the F0 subunits a, b, c and the F1 subunit delta of the membrane bound ATP synthase of Escherichia coli. Nielsen J, et al. **MGG** 1981;184(1):33–9

Occurrence of reiterated DNA sequences in strains of Streptomyces produced by an interspecific protoplast fusion. Robinson M, et al. **MGG** 1981;182(2):336–40

Structure and function of the region of the replication origin of the Bacillus subtilis chromosome. II. Identification of the essential regions for inhibitory functions shown by the DNA segment containing the replication origin. Seiki M, et al. **MGG** 1981;183(2):227–33

A new type of IS1-mediated deletion. Sommer H, et al. **MGG** 1981;184(2):300–7

Genetic and nucleotide sequence homologies in bacillus genomes. Tackney C, et al. **MGG** 1981;183(2):234–7

The origin of the DNA in transducing particles of bacteriophage Mu: density gradient analyses of DNA. Teifel J, et al. **MGG** 1981;184(2):312–3

The location of sequences of TnA required for the establishment of transposition immunity. Wallace LJ, et al. **MGG** 1981;184(1):80–6

Physiological and biochemical characteristics of Fusobacterium necrophorum biovar A and biovar B strains and their deoxyribonucleic acid homology. Shinjo T, et al. **Nippon Juigaku Zasshi** 1981 Apr;43(2):233–41

DNA packing in the filamentous viruses fd, Xf, Pf1 and Pf3. Casadevall A, et al. **Nucleic Acids Res** 1982 Apr 10; 10(7):2467–81

Patterns of plasmid DNA in crystalliferous and acrystalliferous strains of Bacillus thuringiensis. González JM Jr, et al. **Plasmid** 1980 Jan;3(1):92–8

Isolation and characterization of R-plasmid variants with enhanced chromosomal mobilization ability in Escherichia coli K-12. Nayudu M, et al. **Plasmid** 1981 Jul;6(1):53–66

Generation time-prolonging R plasmids: correlation between increases in the generation time of Escherichia coli caused by R plasmids and their molecular size. Zünd P, et al. **Plasmid** 1980 Jan;3(1):65–9

Construction of DNA recognition sites active in Haemophilus transformation. Danner DB, et al. **Proc Natl Acad Sci USA** 1982 Apr;79(7):2393–7

Extensive sequence homology in the DNA coding for elongation factor Tu from Escherichia coli and the Chlamydomonas reinhardtii chloroplast. Watson JC, et al. **Proc Natl Acad Sci USA** 1982 Apr;79(7):2264–7

DNA reassociation and base composition. Bradley SG. **Soc Appl Bacteriol Symp Ser** 1980;8:11–26 (62 ref.)

[DNA nucleotide composition of Gram-positive cocci isolated from food products of animal origin] Gogov I, et al. **Vet Med Nauki** 1981;18(10):41–5 (Eng. Abstr.) **(Bul)**

[Determination of G-C mole percentage in DNA of Flavobacterium farinofermentans n.sp. (author's transl)] Cai LW, et al. **Chung Kuo I Hsueh Ko Hsueh Yuan Hsueh Pao** 1981 Jun; 3(2):141–2 (Eng. Abstr.) **(Chi)**

[Identification and the physicochemical characteristics of the extrachromosomal DNA from a Streptomyces antibioticus strain] Orlova VA, et al. **Antibiotiki** 1981 Sep;26(9):655–9 (Eng. Abstr.) **(Rus)**

[Use of DNA-DNA hybridization for identification of bacteria in a mixed culture] Turova TP, et al. **Lab Delo** 1982;(4):240–3 **(Rus)**

[Nucleotide composition of enterococcal DNA] Sedov VI, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1982 Jun; (6):38–40 (Eng. Abstr.) **(Rus)**

ANTAGONISTS & INHIBITORS

[Actinomycin D derivatives that recognize 2 DNA GC pairs: bis-actinomycin D] Mikhailov MV, et al. **Dokl Akad Nauk SSSR** 1981;260(1):239–44 **(Rus)**

BIOSYNTHESIS

Isopycnography of intact cells – V: The kinetics of the initiation of DNA synthesis in E. coli undergoing nutrient shift-up. Czerkawski J, et al. **Biochem Biophys Res Commun** 1982 Jun 15;106(3):871–4

Replication signals in prokaryotic DNA. Hobom G. **Curr Top Microbiol Immunol** 1981;94–95:93–142 (381 ref.)

Incorporation of deoxyribonucleosides into DNA of coryneform bacteria and the relevance of deoxyribonucleoside kinases. Auling G, et al. **Eur J Biochem** 1982 Jan;121(2):365–70

Spermidine levels and its relationship to DNA synthesis in outgrowing spores and vegetative cells of Bacillus subtilis. Ginsberg D, et al. **FEBS Lett** 1982 Jan 25;137(2):181–5

Nonspecificity of some commonly used inhibitors of DNA synthesis in cultures of Streptococcus faecalis. Lahti R, et al. **Folia Microbiol (Praha)** 1982;27(1):7–10

Effects of human neutrophil granule extracts on macromolecular synthesis in Neisseria gonorrhoeae. Buck P, et al. **Infect Immun** 1981 Aug;33(2):426–33

Plasmid DNA in the erythromycin producing microorganism, Streptomyces erythreus NRRL 2338. Yi-guang W, et al. **J Antibiot (Tokyo)** 1982 Mar; 35(3):335–42

Differential effects of antibiotics inhibiting gyrase. Engle EC, et al. **J Bacteriol** 1982 Jan;149(1):92–8

Early initiation of deoxyribonucleic acid replication and shortening of generation time associated with inhibition of lateral wall formation by mecillinam. Satta G, et al. **J Bacteriol** 1981 Oct;148(1):10–9

Macromolecular synthesis in mycobacteriophage I3 infected cells. Nagaraja V, et al. **Mol Biol Rep** 1981 Nov 30; 8(1):11–5

DNA synthesis in purified DNA-membrane complexes extracted from a Bacillus subtilis pol A mutant. Benjamin P, et al. **Nature** 1982 Aug 19;298(5876):769–71

Enzymatic replication of E. coli chromosomal origin is bidirectional. Kaguni JM, et al. **Nature** 1982 Apr 15; 296(5858):623–7

[Method of electron-autoradiographic study of nucleic acid biosynthesis in bacteria during phagocytosis] Pal'tsyn AA, et al. **Biull Eksp Biol Med** 1981 Jun;91(6):763–5 (Eng. Abstr.) **(Rus)**

[Effect of dioxidine on DNA and RNA synthesis in Staphylococcus aureus] Degtiareva IN, et al. **Farmakol Toksikol** 1981 Mar–Apr;44(2):217–20 (Eng. Abstr.) **(Rus)**

[Exogenous DNAse initiation of DNA replication in Bacillus subtilis] Kupriianova FG, et al. **Mikrobiologiia** 1981 May–Jun;50(3):437–41 **(Rus)**

[Influence of S-methylmethionine on the metabolism of nucleic acids in Escherichia coli] Lebenka AIu, et al. **Vopr Med Khim** 1981 Mar–Apr;27(2):207–10 (Eng. Abstr.) **(Rus)**

CLASSIFICATION

[Numerical classification and DNA nucleotide makeup of Pseudomonas species] Kiprianov EA, et al. **Mikrobiol Zh** 1981 Jul–Aug;43(4):411–6 (Eng. Abstr.) **(Rus)**

GENETICS

Restriction of PM2 supercoiled DNA by Hap II endonuclease. Naimski P, et al. **Acta Biochim Pol** 1981; 28(1):41–50

Low level and high level DNA rearrangements in Escherichia coli. Bukhari AI, et al. **Basic Life Sci** 1982; 20:235–44

Genetic labeling of an Ent plasmid that encodes heat-stable enterotoxin of enterotoxigenic Escherichia coli isolated from patients. Takeda T, et al. **Biken J** 1981 Dec; 24(4):127–35

Nucleotide sequence of the genes coding for alpha, beta and gamma subunits of the proton-translocating ATPase of Escherichia coli. Kanazawa H, et al. **Biochem Biophys Res Commun** 1981 Nov 30;103(2):604–12

Nucleotide sequence of the genes for beta and epsilon subunits of proton-translocating ATPase from Escherichia coli. Kanazawa H, et al. **Biochem Biophys Res Commun** 1982 Apr 29;105(4):1257–64

Nucleotide sequence of the gene coding for the delta subunit of proton translocating ATPase of Escherichia coli. Mabuchi K, et al. **Biochem Biophys Res Commun** 1981 Sep 16;102(1):172–9

Diffusion-driven mechanisms of protein translocation on nucleic acids. 3. The Escherichia coli lac repressor—operator interaction: kinetic measurements and conclusions. Winter RB, et al. **Biochemistry** 1981 Nov 24; 20(24):6961–77

Construction of gapped circular DNA from phage M13 by in vitro hybridization. Courage-Tebbe U, et al. **Biochim Biophys Acta** 1982 Apr 26;697(1):1–5

Terminal strand-switching of E. coli RNA polymerase transcribing a truncated DNA fragment. Oostra BA, et al. **Biochim Biophys Acta** 1981 Oct 27;655(3):446–8

A novel role for site-specific recombination in maintenance of bacterial replicons. Austin S, et al. **Cell** 1981 Sep; 25(3):729–36

Genetic analysis of crown gall: fine structure map of the T-DNA by site-directed mutagenesis. Garfinkel DJ, et al. **Cell** 1981 Nov;27(1 Pt 2):143–53

Transposon-mediated site-specific recombination in vitro: DNA cleavage and protein-DNA linkage at the recombination site. Reed RR, et al. **Cell** 1981 Sep; 25(3):721–8

Internal rearrangements of IS2 in Escherichia coli. Ahmed A, et al. **Cold Spring Harbor Symp Quant Biol** 1980;45 Pt 1:141–51

Structural analysis of Tn5. Auerswald EA, et al. **Cold Spring Harbor Symp Quant Biol** 1980;45 Pt 1:107–13

IS1-promoted events associated with drug-resistance plasmids. Chandler M, et al. **Cold Spring Harbor Symp Quant Biol** 1980;45 Pt 1:157–65

Instability of palindromic DNA in Escherichia coli. Collins J. **Cold Spring Harbor Symp Quant Biol** 1980;45 Pt 1:409–16

Transposons encoding trimethoprim or gentamicin resistance in medically important bacteria. Datta N, et al. **Cold Spring Harbor Symp Quant Biol** 1980;45 Pt 1:45–51

Analysis of the structure and function of the kanamycin–resistance transposon Tn903. Grindley ND, et al. **Cold Spring Harbor Symp Quant Biol** 1980;45 Pt 1:125–33

Tn3 encodes a site-specific recombination system: identification of essential sequences, genes, and the actual site of recombination. Heffron F, et al. **Cold Spring Harbor Symp Quant Biol** 1980;45 Pt 1:259–68

Studies on transposition mechanisms and specificity of IS4. Klaer R, et al. **Cold Spring Harbor Symp Quant Biol** 1980; 45 Pt 1:215–24

Inverted–repeat nucleotide sequences in Escherichia coli and Caulobacter crescentus. Nisen P, et al. **Cold Spring Harbor Symp Quant Biol** 1980;45 Pt 1:81–5

Genome fusion. Potter H, et al. **Cold Spring Harbor Symp Quant Biol** 1980;45 Pt 1:371–83

IS1–mediated DNA rearrangements. Saedler H, et al. **Cold Spring Harbor Symp Quant Biol** 1980;45 Pt 1:93–8

Transposon–specified, site–specific recombination systems. Sherratt D, et al. **Cold Spring Harbor Symp Quant Biol** 1980;45 Pt 1:275–81

Bacterial mutagenesis: review of new insights. Hartman PE. **Environ Mutagen** 1980;2(1):3–16 (104 ref.)

Frequent deletion of Bacillus subtilis chromosomal fragment in artificially constructed phage Rho 11phisA+. Kawamura F, et al. **FEBS Lett** 1981 Dec 28;136(2):244–6

The number of 5 S rRNA genes in Bacillus subtilis. Kobayashi H, et al. **FEBS Lett** 1982 May 17;141(2):161–3

Construction and characterization of new cloning vehicles. VI. Plasmid pBR329, a new derivative of pBR328 lacking the 482–base–pair inverted duplication. Covarrubias L, et al. **Gene** 1982 Jan;17(1):79–89

The cloning of the Escherichia coli K–12 deoxyribonucleoside operon. Fischer M, et al. **Gene** 1982 Mar;17(3):291–8

Region– and strand–specific mutagensis of a recombinant plasmid. Giza PE, et al. **Gene** 1981 Dec;15(4):331–42

Comparison of IS1, IS2 and IS3 copy number in Escherichia coli strains K–12, B and C. Hu M, et al. **Gene** 1981 Dec; 16(1–3):161–70

Nucleotide sequence of the argF regulatory region of Escherichia coli K–12. Moore SK, et al. **Gene** 1981 Dec; 16(1–3):119–32

Isolation and characterization of the hisG and hisD genes of Klebsiella pneumoniae. Rodriguez RL, et al. **Gene** 1981 Dec;16(1–3):317–20

Cloning of small DNA fragments containing the Escherichia coli tryptophan operon promoter and operator. Russel DR, et al. **Gene** 1982 Jan;17(1):9–18

Distribution of IS5 in bacteria. Schoner B, et al. **Gene** 1981 Dec;16(1–3):347–52

A set of synthetic oligodeoxyribonucleotide primers for DNA sequencing in the plasmid vector pBR322. Wallace RB, et al. **Gene** 1981 Dec;16(1–3):21–6

Isolation of an autonomously replicating DNA fragment from the region of defective bacteriophage PBSX of Bacillus subtilis. Anderson LM, et al. **J Bacteriol** 1982 Jun; 150(3):1280–6

Transcription in bacteria at different DNA concentrations. Churchward G, et al. **J Bacteriol** 1982 May;150(2):572–81

Properties of R1162, a broad–host–range, high–copy–number plasmid. Meyer R, et al. **J Bacteriol** 1982 May; 150(2):552–62

Replication terminus of the Bacillus subtilis chromosome. O'Sullivan MA, et al. **J Bacteriol** 1982 Jul;151(1):135–43

Evidence for two functional gal promoters in intact Escherichia coli cells. Aiba H, et al. **J Biol Chem** 1981 Nov 25;256(22):11905–10

Transforming activity of mercury–substituted DNA synthesized in vitro by permeable cells of Bacilus subtilis. Bhattacharya S, et al. **J Biol Chem** 1982 Feb 25; 257(4):1610–2

The synthesis of DNA complementary to polyadenylate–containing RNA from Bacillus subtilis. Gopalakrishna Y, et al. **J Biol Chem** 1982 Mar 25; 257(6):2747–50

Bacteriophage SP6–specific RNA polymerase. II. Mapping of SP6 DNA and selective in vitro transcription. Kassavetis GA, et al. **J Biol Chem** 1982 May 25;257(10):5779–88

DNA determinants important in sequence recognition by Eco RI endonuclease. Lu AL, et al. **J Biol Chem** 1981 Dec 25;256(24):13200–6

Maximal limits of the Escherichia coli replication factor Y effector site sequences in pBR322 DNA. Marians KJ, et al. **J Biol Chem** 1982 May 25;257(10):5656–62

Nucleotide sequence of Escherichia coli purF and deduced amino acid sequence of glutamine phosphoribosylpyrophosphate amidotransferase. Tso JY, et al. **J Biol Chem** 1982 Apr 10;257(7):3525–31

Molecular origin of transducing DNA in bacteriophage SPP1. de Lencastre H, et al. **J Gen Microbiol** 1981 Feb; 122(Pt 2):345–9

Haemophilus influenzae and Neisseria gonorrhoeae recognize different specificity determinants in the DNA uptake step of genetic transformation. Mathis LS, et al. **J Gen Microbiol** 1982 May;128 (Pt 5):1159–61

Molecular cloning of infectious DNA from human papovavirus BK in Escherichia coli. Akrigg A, et al. **J Gen Virol** 1981 Jul;55(Pt 1):247–52

Interspecific plasmid and genomic DNA sequence homologies and localization of nif genes in effective and ineffective strains of Rhizobium japonicum. Haugland R, et al. **J Mol Appl Gen** 1981;1(3):205–17

Relationships between the physical and genetic maps of a 470 x 10(3) base–pair region around the terminus of Escherichia coli K12 DNA replication. Bouché JP, et al. **J Mol Biol** 1982 Jan 5;154(1):2!–32

Physical map of a 470 x 10(3) base–pair region flanking the terminus of DNA replication in the Escherichia coli K12 genome. Bouché JP. **J Mol Biol** 1982 Jan 5;154(1):1–20

Physical evidence for early transcription in intracellular bacteriophage P2 DNA. Funnell BE, et al. **J Mol Biol** 1982 Jan 5;154(1):85–101

A derivative of Tn5 with direct terminal repeats can transpose. Hirschel BJ, et al. **J Mol Biol** 1982 Feb 25; 155(2):105–20

A single gene coding for resistance to both fusidic acid and chloramphenicol. Völker TA, et al. **J Mol Biol** 1982 Jan 25;154(3):417–25

Nucleotide sequence of trpE of Salmonella typhimurium and its homology with the corresponding sequence of Escherichia coli. Yanofsky C, et al. **J Mol Biol** 1982 Mar 5;155(3):235–46

The influence of DNA base ratios on intragenic mutational spectra in prokaryotes. Clarke CH. **J Theor Biol** 1982 Feb 7;94(3):671–87

Preferred sites of frameshift mutagenesis in AT– and GC–rich microbial DNA. Clarke CH. **J Theor Biol** 1982 Feb 7; 94(3):519–34

Coliphage 186 infection requires host initiation functions dnaA and dnaC. Hooper I, et al. **J Virol** 1981 Nov; 40(2):599–601

Location of nodulation and nitrogen fixation genes on a high molecular weight plasmid of R. meliloti. Bánfalvi Z, et al. **MGG** 1981;184(2):318–25

Plasmid transformation of Streptococcus sanguis (Challis) occurs by circular and linear molecules. Behnke D. **MGG** 1981;182(3):490–7

Plasmid transformation in Bacillus subtilis. The significance of partial homology between plasmid and recipient cell DNAs. Bensi G, et al. **MGG** 1981;184(3):400–4

Structure and properties of the region of homology between plasmids pMB1 and ColE1. Bhagwat AS, et al. **MGG** 1981; 182(3):505–7

Excision of chromosomal DNA sequences from Streptomyces coelicolor forms a novel family of plasmids detectable in Streptomyces lividans. Bibb MJ, et al. **MGG** 1981;184(2):230–40

Colicin Ib does not cause plasmid–promoted abortive phage infection of Escherichia coli K–12. Boulnois GJ. **MGG** 1981;182(3):508–10

Recombinational instability of F' plasmids in Escherichia coli K–12: localization of fre–sites. Bresler SE, et al. **MGG** 1981; 183(1):192–6

The use of cloned nif (nitrogen fixation) DNA to investigate transcriptional regulation of nif expression in Klebsiella pneumoniae. Buchanan–Wollaston V, et al. **MGG** 1981; 184(1):102–6

The effect of both homologous and heterologous DNA on integration efficiencies in pneumococcal transformation. Butler LO, et al. **MGG** 1981;184(1):140–6

Transposon Tn951 (TnLac) is defective and related to Tn3. Cornelis G, et al. **MGG** 1981;184(2):241–8

Regulation of DNA synthesis and capacity for initiation in DNA temperature mutants of Escherichia coli. III. Synthesis of the dnaA protein and of DNA–binding proteins. Eberle H, et al. **MGG** 1982;186(1):71–7

Regulation of DNA synthesis and capacity for initiation in DNA temperature sensitive mutants of Escherichia coli. II. Requirements for acquisition and expression of initiation capacity. Eberle H, et al. **MGG** 1982;186(1):66–70

Regulation of DNA synthesis and capacity for initiation in DNA temperature sensitive mutants of Escherichia coli I. Reinitiation and chain elongation. Eberle H, et al. **MGG** 1982;186(1):57–65

Restriction endonuclease cleavage map of pKM101: relationship to parental plasmid R46. Langer PJ, et al. **MGG** 1981;182(2):268–72

Relation between the transforming activity of a marker and its proximity to the end of the DNA particle. Lataste H, et al. **MGG** 1981;183(1):199–201

Reiterated DNA sequences in a mutant strain of Streptomyces glaucescens and cloning of the sequence in Escherichia coli. Ono H, et al. **MGG** 1982;186(1):106–10

Mendelian transmission of genes introduced into plants by the Ti plasmids of Agrobacterium tumefaciens. Otten L, et al. **MGG** 1981;183(2):209–13

Primary structure of Escherichia coli RNA polymerase nucleotide substitution in the beta subunit gene of the rifampicin resistant rpoB255 mutant. Ovchinnikov YuA, et al. **MGG** 1981;184(3):536–8

Initiation of chromosomal DNA synthesis in vitro. Projan SJ, et al. **MGG** 1981;182(2):263–7

Transcription units around the gene for E. coli translation initiation factor IF3 (infC). Springer M, et al. **MGG** 1982; 186(2):247–52

The influence of host DNA replication on the formation of infectious and transducing Mu–particles. Teifel J, et al. **MGG** 1981;184(2):308–11

Multiply branched replicative intermediates in E. coli and bacteriophage lambda. Valenzuela MS, et al. **MGG** 1981; 184(3):450–6

Nuclear and polysomal transcripts of T–DNA in octopine crown gall suspension and callus cultures. Willmitzer L, et al. **MGG** 1981;182(2):255–62

A synergistic increase in Bacillus subtilis 168 transformation produced by the presence of heterologous W23 DNA. Heard JT Jr, et al. **Microbios** 1981;31(123):31–8

Genetic effects of some platinum co–ordination complexes on E.coli DNA as revealed by transformation studies. Hoekstra WP, et al. **Mutat Res** 1982 May;94(1):53–62

Gene duplication and the birthday problem [letter] Adams J. **Nature** 1982 Mar 11;296(5853):176–7

recA–independent general genetic recombination of plasmids. Fishel RA, et al. **Nature** 1981 Nov 12;294(5837):184–6

Ribosomal RNA genes in the replication origin region of Bacillus subtilis chromosome. Henckes G, et al. **Nature** 1982 Sep 16;299(5880):268–71

Promoters in the E. coli replication origin. Lother H, et al. **Nature** 1981 Nov 26;294(5839):376–8

Expression of two proteins from overlapping and oppositely oriented genes on transposable DNA insertion element IS5. Rak B, et al. **Nature** 1982 May 13;297(5862):124–8

Insertion of DNA activates the cryptic bgl operon in E. coli K12. Reynolds AE, et al. **Nature** 1981 Oct 22; 293(5834):625–9

Unusual physical organization of the Halobacterium genome. Sapienza C, et al. **Nature** 1982 Feb 4;295(5848):384–9

How cells in distress use SOS [news] Sedgwick SG, et al. **Nature** 1982 Apr 15;296(5858):606–7

An 'internal' signal sequence directs secretion and processing or proinsulin in bacteria. Talmadge K, et al. **Nature** 1981 Nov 12;294(5837):176–8

Maintenance of broad host range plasmid RK2 replicons in Pseudomonas aeruginosa. Thomas CM, et al. **Nature** 1982 Aug 12;298(5875):674–6

Analysis of the terminus region of the Bacillus subtilis chromosome. Weiss AS, et al. **Nature** 1981 Oct 22; 293(5834):673–5

Molecular cloning and nucleotide sequencing of the gene for E. coli cAMP receptor protein. Aiba H, et al. **Nucleic Acids Res** 1982 Feb 25;10(4):1345–61

The nucleotide sequence coding for major outer membrane protein OmpA of Shigella dysenteriae. Braun G, et al. **Nucleic Acids Res** 1982 Apr 10;10(7):2367–78

Modification profiles of bacterial genomes. Brooks JE, et al. **Nucleic Acids Res** 1982 Feb 11;10(3):913–34

Genetic recombination: recA protein promotes homologous pairing between duplex DNA molecules without strand unwinding. Cassuto E, et al. **Nucleic Acids Res** 1981 Aug 25;9(16):4201–10

Cloning and sequence of the crp gene of Escherichia coli K 12. Cossart P, et al. **Nucleic Acids Res** 1982 Feb 25; 10(4):1363–78

A gel electrophoresis method for quantifying the binding of proteins to specific DNA regions: application to components of the Escherichia coli lactose operon regulatory system. Garner MM, et al. **Nucleic Acids Res** 1981 Jul 10;9(13):3047–60

Correlation of thermodynamic and genetic properties in the Tn10 encoded TET gene control region. Hillen W, et al. **Nucleic Acids Res** 1982 Apr 24;10(8):2685–700

DNA methyltransferases affecting the sequence 5'CCGG. Jentsch S, et al. **Nucleic Acids Res** 1981 Jun 25;9(12):2753–9

T–DNA of pTi–15955 from Agrobacterium tumefaciens is transcribed into a minimum of seven polyadenylated RNAs in a sunflower crown gall tumor. Murai N, et al. **Nucleic Acids Res** 1982 Mar 11;10(5):1679–89

Nucleotide sequence of the asnA gene coding for asparagine synthetase of E. coli K–12. Nakamura M, et al. **Nucleic Acids Res** 1981 Sep 25;9(18):4669–76

Key for protein coding sequences identification: computer analysis of codon strategy. Rodier F, et al. **Nucleic Acids Res** 1982 Jan 11;10(1):391–402

The atp operon: nucleotide sequence of the genes for the gamma, beta, and epsilon subunits of Escherichia coli ATP synthase. Saraste M, et al. **Nucleic Acids Res** 1981 Oct 24; 9(20):5287–96

The DNA sequence of the gene rpsA of Escherichia coli coding for ribosomal protein S1. Schnier J, et al. **Nucleic Acids Res** 1982 Mar 25;10(6):1857–65

Nucleotide sequence of the rrnG ribosomal RNA promoter region of Escherichia coli. Shen WF, et al. **Nucleic Acids Res** 1982 May 25;10(10):3303–13

The DNA sequence of the promoter–attenuator of the ilvGEDA operon of Salmonella typhimurium. Taillon MP, et al. **Nucleic Acids Res** 1981 Jul 24;9(14):3419–32

Nucleotide sequence of the R.meliloti nitrogenase reductase (nifH) gene. Török I, et al. **Nucleic Acids Res** 1981 Nov 11;9(21):5711–23

Regions of homology between tumorigenic plasmids from Agrobacterium rhizogenes and Agrobacterium tumefaciens. Risueo G, et al. **Plasmid** 1982 Jan;7(1):45–51

Molecular cloning and mapping of a deletion derivative of the plasmid Rts 1. Terawaki Y, et al. **Plasmid** 1981 Sep; 6(2):222–34

The insertion sequence IS21 of R68.45 and the molecular basis for mobilization of the bacterial chromosome. Willetts NS, et al. **Plasmid** 1981 Jul;6(1):30–52

Enzymatic replication of the origin of the Escherichia coli chromosome. Fuller RS, et al. **Proc Natl Acad Sci USA**

1981 Dec;78(12):7370–4
DNA sequence organization of IS10–right of Tn10 and comparison with IS10–left. Halling SM, et al. **Proc Natl Acad Sci USA** 1982 Apr;79(8):2608–12
Replication of plasmid pT181 DNA in vitro: requirement for a plasmid–encoded product. Khan SA, et al. **Proc Natl Acad Sci USA** 1981 Aug;78(8):4902–6
Identification of ColE1 DNA sequences that direct single strand–to–double strand conversion by a phi X174 type mechanism. Nomura N, et al. **Proc Natl Acad Sci USA** 1982 May;79(10):3153–7
Heteroduplex formation by recA protein: polarity of strand exchanges. West SC, et al. **Proc Natl Acad Sci USA** 1981 Oct;78(10):6149–53
Escherichia coli factor Y sites of plasmid pBR322 can function as origins of DNA replication. Zipursky SL, et al. **Proc Natl Acad Sci USA** 1981 Oct;78(10):6111–5
The DNA replication origin (ori) of Escherichia coli: structure and function of the ori–containing DNA fragment. Hirota Y, et al. **Prog Nucleic Acid Res Mol Biol** 1981;26:33–48
Cellstat–a continuous culture system of a bacteriophage for the study of the mutation rate and the selection process of the DNA level. Husimi Y, et al. **Rev Sci Instrum** 1982 Apr;53(4):517–22
The genetic programming of industrial microorganisms. Hopwood DA. **Sci Am** 1981 Sep;245(3):90–102
Inducible repair of DNA. Howard–Flanders P. **Sci Am** 1981 Nov;245(5):72–80
Transforming principle of the pneumococcus: Rosetta Stone to the new biology. Atchley WA. **Trans Am Clin Climatol Assoc** 1981;93:22–31
[Study of the species 'Enterobacter gergoviae' by DNA/DNA hybridization (author's transl)] Izard D, et al. **Ann Microbiol (Paris)** 1982 May–Jun;133(3):371–6 (Eng. Abstr.) **(Fre)**
[Determination of the terminal sequences of the transposon Tn7] Gosti–Testu F, et al. **C R Seances Acad Sci [III]** 1982 Jan 25;294(4):193–6 (Eng. Abstr.) **(Fre)**
[SOS responses and lexA gene in E. coli (author's transl)] Nakazawa A. **Seikagaku** 1981;53(3):154–9 (23 ref.) **(Jpn)**
[Organization of the initiation region of replication: the replication origin of the E. coli chromosome (author's transl)] Ogura T, et al. **Tanpakushitsu Kakusan Koso** 1982; 27(1):9–19 (40 ref.) **(Jpn)**
[On SOS functions with special emphasis on the early events leading to the induction of the functions (author's transl)] Oishi M. **Tanpakushitsu Kakusan Koso** 1981 Aug; 26(10):1522–35 (103 ref.) **(Jpn)**
[Control of initiation of DNA replication in Escherichia coli (author's transl)] Sakakibara Y. **Tanpakushitsu Kakusan Koso** 1982;27(1):69–74 (48 ref.) **(Jpn)**
[Structural and functional analysis of the minimum essential region of oriC (author's transl)] Sugimoto K. **Tanpakushitsu Kakusan Koso** 1982;27(1):20–7 (14 ref.) **(Jpn)**
[Kinetic study of DNA reassociation and molecular hybridization using a fluorescent label] Shubina EA, et al. **Biol Nauki** 1982;(2):18–22 **(Rus)**
[insertion of foreign functioning genes into bacterial chromosome: the construction of a hybrid molecule capable of recombination with Bacillus subtilis DNA from plasmid pBD 12 and phage phi 105 DNA] Savchenko GV, et al. **Dokl Akad Nauk SSSR** 1982;264(4):976–9 **(Rus)**
[Cloning and restriction analysis of the DNA BamHI–EcoRI fragment containing genes of the hsd–region in Escherichia coli] Zinkevich VE, et al. **Dokl Akad Nauk SSSR** 1981; 259(1):216–8 **(Rus)**
[In vivo restriction of Escherichia coli–transforming DNA by endonuclease R.M.EcoRI] Aleshkin GI, et al. **Genetika (Moskva)** 1981;17(7):1205–10 (Eng. Abstr.) **(Rus)**
[Effect of alpha–tocopherol on the mutagenic repair pathways in Escherichia coli cells] Kalinina LM, et al. **Genetika (Moskva)** 1981;17(9):1644–8 (Eng. Abstr.) **(Rus)**
[Artificial Tn2551 transposon with replicative properties] Khaĭkinson MIa, et al. **Genetika (Moskva)** 1981; 17(10):1762–70 (Eng. Abstr.) **(Rus)**
[Repair and mutagenesis in Escherichia coli cells on induction in the DNA of monoadducts and cross–links by light–activated 8–methoxypsoralen. Dependence on the uvrA and polA genes] Peshekhonov VT, et al. **Genetika (Moskva)** 1981;17(11):1945–51 (Eng. Abstr.) **(Rus)**
[Cloning and the expression of the DNA promotor fragments of Bacillus thuringiensis in Escherichia coli cells] Tsoĭ TV, et al. **Genetika (Moskva)** 1981;17(12):2100–4 (Eng. Abstr.) **(Rus)**
[Genetic activity of para–aminobenzoic acid. The intensification of DNA polymerase I–dependent repair induced by chemical mutagens in toluene–treated Escherichia coli cells] Vasil'eva SV, et al. **Genetika (Moskva)** 1982 Mar;18(3):392–8 (Eng. Abstr.) **(Rus)**
[Para–aminobenzoic acid intensification of DNA repair processes in Escherichia coli K–12] Vasil'eva SV, et al. **Genetika (Moskva)** 1982 Mar;18(3):381–91 (Eng. Abstr.) **(Rus)**
[Replication characteristics of colicinogenic plasmid ColK in Escherichia coli cells] Zverev VV, et al. **Genetika (Moskva)** 1982;18(1):56–63 (Eng. Abstr.) **(Rus)**
[Col E1 DNA transcription in Escherichia coli RNA–polymerase system in vitro] Denisova LIa, et al. **Mol Biol (Mosk)** 1981 Jul–Aug;15(4):768–78 (Eng. Abstr.) **(Rus)**
[Discontinuous transfer of phage T7 DNA molecules into Escherichia coli cells during infection] Zavriev SK, et al. **Mol Biol (Mosk)** 1982 Mar–Apr;16(2):411–23 (Eng. Abstr.) **(Rus)**

ISOLATION & PURIFICATION

Co–isolation of in vivo 32P–labeled specific transcripts and DNA without phenol extraction or nuclease digestion. Hayes S, et al. **Anal Biochem** 1981 Sep 15;116(2):480–8
A rapid boiling method for the preparation of bacterial plasmids. Holmes DS, et al. **Anal Biochem** 1981 Jun; 114(1):193–7
A procedure for the large–scale isolation of highly purified plasmid DNA using alkaline extraction and binding to glass powder. Marko MA, et al. **Anal Biochem** 1982 Apr; 121(2):382–7
A simple method for the qualitative demonstration of large and small plasmid deoxyribonucleic acids in gram–positive and gram–negative bacteria. Ranhand JM. **Anal Biochem** 1982 May 15;122(2):426–32
High–yield purification of small, single–stranded DNA. Sclafani RA, et al. **Anal Biochem** 1981 Jul 15;115(1):197–202
Preparation of milligram amounts of 21 deoxyribonucleic acid restriction fragments. Hillen W, et al. **Biochemistry** 1981 Jun 23;20(13):3748–56
Purification and characterisation of a small DNA–binding protein, HB, from Bacillus globigii. Imber R, et al. **Eur J Biochem** 1982 Mar 1;122(3):627–32
Intracellular location of NR1–plasmid DNA in Escherichia coli minicells. Hochmannová J, et al. **Folia Microbiol (Praha)** 1981;26(4):270–6
Isolation and characterization of covalently closed circular DNA associated with chromosomal and membrane fraction from Streptomyces ambofaciens. Ikeda H, et al. **J Antibiot (Tokyo)** 1982 Apr;35(4):497–506
A novel, highly modified, bacteriophage DNA in which thymine is partly replaced by a phosphoglucuronate moiety covalently bound to 5–(4',5'–dihydroxypentyl)uracil. Ehrlich M, et al. **J Biol Chem** 1981 Oct 10;256(19):9966–72
Isolation of DNA fragments containing replicating growing forks from both E. coli and B. subtilis. Valenzuela MS, et al. **MGG** 1981;181(2):241–7
Isolation and characterization of 2000–bp derivative of pBR322. Blank RD, et al. **Plasmid** 1982 May;7(3):287–9
A rapid microscale technique for isolation of recombinant plasmid DNA suitable for restriction enzyme analysis. Klein RD, et al. **Plasmid** 1980 Jan;3(1):88–91
Isolation of the Escherichia coli leader peptidase gene and effects of leader peptidase overproduction in vivo. Date T, et al. **Proc Natl Acad Sci USA** 1981 Oct;78(10):6106–10

METABOLISM

Laser study on DNA intercalating fluorescence dyes. Bottiroli G, et al. **Acta Histochem [Suppl] (Jena)** 1979; 20:57–8
Restriction and modification of DNA by a complex protein. Yuan R, et al. **Am Sci** 1982 Jan–Feb;70(1):61–9
Effect of fungicides on growth and on DNA, RNA and protein anabolism of a Rhizobium sp. Garg FC, et al. **Ann Microbiol (Paris)** 1981 Sep–Oct;132B(2):231–9
Naphthyridinomycin, a DNA–reactive antibiotic. Zmijewski MJ Jr, et al. **Antimicrob Agents Chemother** 1982 May; 21(5):787–93
The EcoRI restriction endonuclease, covalently closed DNA and ethidium bromide. Halford SE, et al. **Biochem J** 1981 Dec 1;199(3):767–77
Sequence of a secondary phage lambda attachment site located between the pentitol operons of Klebsiella aerogenes. Loviny T, et al. **Biochem J** 1981 Feb 1; 193(2):631–7
Purification and characterization of Escherichia coli formamidopyrimidine–DNA glycosylase that excises damaged 7–methylguanine from deoxyribonucleic acid. Chetsanga CJ, et al. **Biochemistry** 1981 Sep 1;20(18):5201–7
Escherichia coli single–strand deoxyribonucleic acid binding protein: stability, specificity, and kinetics of complexes with oligonucleotides and deoxyribonucleic acid. Krauss G, et al. **Biochemistry** 1981 Sep 1;20(18):5346–52
Diffusion–driven mechanisms of protein translocation on nucleic acids. 2. The Escherichia coli repressor—operator interaction: equilibrium measurements. Winter RB, et al. **Biochemistry** 1981 Nov 24;20(24):6948–60
Interaction of nitroimidazole drugs with DNA in vitro: structure–activity relationships. Knox RJ, et al. **Br J Cancer** 1981 Nov;44(5):741–5
Influence of temperature on platinum binding to DNA, cell killing, and mutation induction in Escherichia coli K–12 cells treated with cis–diamminedichloroplatinum(II). Brouwer J, et al. **Cancer Res** 1982 Jun;42(6):2416–9
Metabolism of 1–nitropyrene and formation of DNA adducts in Salmonella typhimurium. Messier F, et al. **Carcinogenesis** 1981;2(10):1007–11
Concerted strand exchange and formation of Holliday structures by E. coli RecA protein. DasGupta C, et al. **Cell** 1981 Aug;25(2):507–16
Electron microscopic visualization of recA–DNA filaments: evidence for a cyclic extension of duplex DNA. Dunn K, et al. **Cell** 1982 Apr;28(4):757–65
Visualization of recA protein and its association with DNA: a priming effect of single–strand–binding protein. Flory J, et al. **Cell** 1982 Apr;28(4):747–56
Recombination activities of E. coli recA protein. Radding CM. **Cell** 1981 Jul;25(1):3–4 (23 ref.)
The mutagenic and SOS–inducing potential of the soluble organic fraction collected from diesel particulate emissions. Dukovich M, et al. **Environ Mutagen** 1981;3(3):253–64
On the binding of tRNA to Escherichia coli RNA polymerase. Interactions between the core enzyme, DNA and tRNA. Busby S, et al. **Eur J Biochem** 1981 Sep 1; 118(3):443–51
Origin and characterization of short DNA chains in Escherichia coli. Siegmann DW, et al. **Eur J Biochem** 1981 Dec;120(3):497–509
On the interaction between jatrophone and DNA. d'Alagni M, et al. **FEBS Lett** 1981 Dec 21;136(1):175–9
Modulation of specific binding of Lactobacillus casei dihydrofolate reductase to DNA by folinic acid. Gronenborn AM, et al. **FEBS Lett** 1981 Oct 12;133(1):92–4
Conditions affecting DNA cleavage by TthI at a TthI endonuclease–dam methylase overlapping sequence. Venegas A, et al. **FEBS Lett** 1981 Aug 3;130(2):272–4
The effect of temperature on the release of thymidine from DNA during exposure to electrolytically reduced misonidazole. Knox RJ, et al. **Int J Radiat Biol** 1982 Apr; 41(4):465–9
Haemophilus influenzae polypeptides involved in deoxyribonucleic acid uptake detected by cellular surface protein iodination. Concino MF, et al. **J Bacteriol** 1981 Oct;148(1):220–31
Cytosine methylation of the sequence GATC in a mycoplasma. Dybvig K, et al. **J Bacteriol** 1982 Sep; 151(3):1420–4
Possible involvement of DNA–linked RNA in the initiation of Bacillus subtilis chromosome replication. Henckes G, et al. **J Bacteriol** 1982 Jan;149(1):79–91
The catabolite–sensitive promoter for the chloramphenicol acetyl transferase gene is preceded by two binding sites for the catabolite gene activator protein. Le Grice SF, et al. **J Bacteriol** 1982 Apr;150(1):312–8
Isolation and partial characterization of Bacillus subtilis mutants impaired in DNA entry. Mulder JA, et al. **J Bacteriol** 1982 Apr;150(1):260–8
Attachment of the chromosomal terminus of Bacillus subtilis to a fast–sedimenting particle. Sargent MG, et al. **J Bacteriol** 1982 May;150(2):623–32
Resident enhanced repair: novel repair process action on plasmid DNA transformed into Escherichia coli K–12. Strike P, et al. **J Bacteriol** 1982 Apr;150(1):385–8
Addition, deletion, and substitution of long nonhomologous deoxyribonucleic acid segments by genetic transformation of Haemophilus influenzae. Stuy JH, et al. **J Bacteriol** 1981 Nov;148(2):565–71
Genome multiplicity and radiation resistance in Micrococcus radiodurans. Harsojo, et al. **J Biochem (Tokyo)** 1981 Sep; 90(3):877–80
Preparation of psoralen–cross–linked R–loops and generation of large deletions by their repair in vivo. Chatterjee PK, et al. **J Biol Chem** 1982 Aug 10;257(15):9173–80
Presence of a DNA demethylating activity in the nucleus of murine erythroleukemic cells. Gjerset RA, et al. **J Biol Chem** 1982 Aug 10;257(15):8581–3
DNA binding by dihydrofolate reductase from Lactobacillus casei. Gronenborn AM, et al. **J Biol Chem** 1981 Dec 10; 256(23):12152–5
Free sigma factor of Escherichia coli RNA polymerase can bind to DNA. Kudo T, et al. **J Biol Chem** 1981 Oct 10; 256(19):9778–81
The nature of the complexes formed between the int protein and DNA. Hamilton D, et al. **J Mol Biol** 1981 Oct 15; 152(1):163–9
Elongation of duplex DNA by recA protein. Stasiak A, et al. **J Mol Biol** 1981 Sep 25;151(3):557–64
The adaptive response to alkylating agents: the removal of O6–methylguanine from DNA is not dependent on DNA polymerase–1. Karran P, et al. **Mutat Res** 1982 Apr; 104(1–3):67–73
Influence of experimental conditions and DNA repair ability on EMS–induced mutagenesis and DNA binding in Escherichia coli K12: comparison with mammalian cell mutagenesis. Mohn GR, et al. **Mutat Res** 1982 Feb 22; 92(1–2):15–27
The operator–binding domain of lambda repressor: structure and DNA recognition. Pabo CO, et al. **Nature** 1982 Jul 29;298(5873):443–7
The N–terminal arms of lambda repressor wrap around the operator DNA. Pabo CO, et al. **Nature** 1982 Jul 29; 298(5873):441–3
Structure of the complex between lac repressor headpiece and operator DNA from measurements of the orientation relaxation and the electric dichroism. Pörschke D, et al. **Nucleic Acids Res** 1982 Jun 25;10(12):3791–802
Kinetics of DNA–induced breaks by reductone treatment: in vitro and in vivo studies. Leitão AC, et al. **Photochem Photobiol** 1981 Dec;34(6):745–8
Site–specific interaction of DNA gyrase with DNA. Fisher LM, et al. **Proc Natl Acad Sci USA** 1981 Jul;78(7):4165–9
lac repressor–lac operator interaction: NMR observations. Nick H, et al. **Proc Natl Acad Sci USA** 1982 Jan; 79(2):218–22

The inducible repair of alkylated DNA. Cairns J, et al. **Prog Nucleic Acid Res Mol Biol** 1981;26:237–44

DNA damaging effects of three sesquiterpene lactones in repair-deficient mutants of Bacillus subtilis. Jones DH, et al. **Res Commun Chem Pathol Pharmacol** 1981 Oct; 34(1):161–4

Studies on the association of E. coli phage lambda DNA and the host chromosome: lack of a role of membranes. Better M, et al. **Virology** 1982 May;119(1):159–68

[DNA degradation and survival of ozone-resistant and -sensitive mutants isolated in Escherichia coli B (author's transl)] Hamelin C, et al. **MGG** 1981;184(3):560–1 (Eng. Abstr.) **(Fre)**

[DNA methylation in the cells of Escherichia coli MRE 600 in the presence of S-methylmethionine] Lebenka AIu, et al. **Biokhimiia** 1981 Dec;46(12):2160–3 (Eng. Abstr.) **(Rus)**

[Methylcobalamin-dependent enzymatic methylation of DNA in a cell-free extract of Propionibacterium shermanii] Antoshkina NV, et al. **Mikrobiologiia** 1981 Jul–Aug; 50(4):631–5 (Eng. Abstr.) **(Rus)**

[Modification of Escherichia coli RNA polymerase by diethylpyrocarbonate. II. Binding and unwinding of double-stranded DNA] Rozovskaia TA, et al. **Mol Biol (Mosk)** 1981 Jan–Feb;15(1):79–85 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

Evolutionary significance of accessory DNA elements in bacteria. Campbell A. **Annu Rev Microbiol** 1981;35:55–83 (115 ref.)

Effects of DNA base analogs on transcription termination at the tryptophan operon attenuator of EScherichia coli. Farnham PJ, et al. **Proc Natl Acad Sci USA** 1982 Feb; 79(4):998–1002

RADIATION EFFECTS

Repair of ultraviolet-light-induced DNA damage in vibrio cholerae. Das G, et al. **Biochim Biophys Acta** 1981 Oct 27;655(3):413–20

UV-induced repair in Escherichia coli B/r Hcr–thy trp cells: its dependence on UV damage. Slezáriková V. **Folia Microbiol (Praha)** 1982;27(1):65–8

On the mechanism of induction of photoreactivatable damage in E. coli by ionizing radiations [letter] Redpath JL, et al. **Int J Radiat Biol** 1982 Jul;42(1):81–9

Efficiencies of DNA inactivation and mutation induction by tritiated glycerol in bacterial systems. Sadaie Y, et al. **J Radiat Res (Tokyo)** 1981 Dec;22(4):387–94

Characterization of long patch excision repair of DNA in ultraviolet-irradiated Escherichia coli: an inducible function under rec-lex control. Cooper PK. **MGG** 1982; 185(2):189–97

Near-ultraviolet mutation of transforming DNA irradiated in vivo. Cabrera-Juárez E, et al. **Mutat Res** 1981 Oct; 83(3):301–6

Radiation induced DNA double strand breaks are rejoined by ligation and recombination processes. Weibezahn KF, et al. **Nucleic Acids Res** 1981 Jul 10;9(13):3139–50

Repair of ultraviolet-damaged transforming DNA in a mismatch repair-deficient strain of Haemophilus influenzae. Bagci H, et al. **Photochem Photobiol** 1982 Mar;35(3):331–5

Pyrimidine dimers induced in Escherichia coli DNA by ultraviolet radiation present in sunlight. Ellison MJ, et al. **Photochem Photobiol** 1981 Oct;34(4):465–9

Alterations in DNA irradiated with ultraviolet radiation–I. The formation process of cyclobutylpyrimidine dimers: cross se tions, action spectra and quantum yields. Garcés F, et al. **Photochem Photobiol** 1982 Jan;35(1):9–16

Mechanism of high power picosecond laser UV inactivation of viruses and bacterial plasmids. Gurzadyan GG, et al. **Photochem Photobiol** 1981 Jun;33(6):835–8

Protection by DABCO against inactivation of transforming DNA by near-ultraviolet light: action spectra and implications for involvement of singlet oxygen. Peak JG, et al. **Photochem Photobiol** 1981 Jul;34(1):45–9

Single-strand breaks induced in Bacillus subtilis DNA by ultraviolet light: action spectrum and properties. Peak MJ, et al. **Photochem Photobiol** 1982 May;35(5):675–80

Ultraviolet sensitivity of the addition, deletion and replacement of long nonhomologous DNA segments by genetic transformation of Haemophilus influenzae. Walter RB, et al. **Photochem Photobiol** 1982 Mar;35(3):337–41

Mutational specificity of UV light in Escherichia coli: indications for a role of DNA secondary structure. Todd PA, et al. **Proc Natl Acad Sci USA** 1982 Jul;79(13):4123–7

Radiation-induced free radicals in oriented bromouracil-substituted DNA. Gräslund A, et al. **Radiat Res** 1981 Oct;88(1):1–10

Effect of aqueous free radicals and cis-dichlorodiammineplatinum(II) on radiation-induced base release from DNA. Richmond RC, et al. **Radiat Res** 1981 Dec;88(3):476–88

[Action of high-intensity UV radiation on DNA] Burchuladze TG, et al. **Dokl Akad Nauk SSSR** 1982; 264(4):983–6 **(Rus)**

[In vitro repair of gamma-irradiated transforming Bacillus subtilis DNA by extracts of blue-green algae] Shevchenko TN, et al. **Genetika (Moskva)** 1982 Apr;18(4):551–4 (Eng. Abstr.) **(Rus)**

[Role of untwisting proteins in the repair of radiation damage to DNA] Aizenberg OA, et al. **Radiobiologiia** 1982 Jan–Feb;22(1):7–12 (Eng. Abstr.) **(Rus)**

[Formation and repair of gamma-induced DNA breaks in Micrococcus radiodurans cells] Petrov SI. **Radiobiologiia** 1981;21(4):490–4 (Eng. Abstr.) **(Rus)**

[Repair of gamma-induced single- and double-stranded DNA breaks in escherichia coli cells] Petrov SI. **Radiobiologiia** 1981 Sep–Oct;21(5):671–5 (Eng. Abstr.) **(Rus)**

[Formation of UV-induced DNA-protein cross-links in bacterial cells and the potentials for their elimination] Sigaeva VA, et al. **Radiobiologiia** 1981;21(4):568–71 (Eng. Abstr.) **(Rus)**

[Action of gamma and UV irradiation on DNA synthesis in permeable Bacillus stearothermophilus cells] Trofimenko AF, et al. **Radiobiologiia** 1981 Sep–Oct;21(5):660–5 (Eng. Abstr.) **(Rus)**

[Composition of transforming DNA of Haemophilus influenzae irradiated with near-ultraviolet light] Cabañas-Cortés EM, et al. **Rev Latinoam Microbiol** 1981 Jul–Sep;23(3):175–80 (Eng. Abstr.) **(Spa)**

DNA, CIRCULAR

Type I DNA topoisomerases from mammalian cell nuclei interlock strains and promote renaturation of denatured closed circular PM2 DNA. Lau PP, et al. **Biochim Biophys Acta** 1981 Sep 28;655(2):199–209

Melting experiment concerning the topological structure of closed circular double-stranded DNA. Giacomoni PU. **Biopolymers** 1982 Jan;21(1):117–29

The dependence of the linking number of a circular minichromosome upon the shape and the orientation of its nucleosomes. Grigoryev SA, et al. **FEBS Lett** 1981 Jul 20;130(1):43–6

Nucleotide assignment of alkali-sensitive sites in mouse mitochondrial DNA. Brennicke A, et al. **J Biol Chem** 1981 Oct 25;256(20):10613–7

Specific nicking of DNA at apurinic sites by peptides containing aromatic residues. Pierre J, et al. **J Biol Chem** 1981 Oct 25;256(20):10217–20

Partial duplication of the large ribosomal RNA sequence in an inverted repeat in circular mitochondrial DNA from Kloeckera africana. Implications for mechanisms of the petite mutation. Clark-Walker GD, et al. **J Mol Biol** 1981 Apr 15;147(3):399–415

Cruciform structures in palindromic DNA are favored by DNA supercoiling. Mizuuchi K, et al. **J Mol Biol** 1982 Apr 5;156(2):229–43

Orientation of the DNA in the filamentous bacteriophage f1. Webster RE, et al. **J Mol Biol** 1981 Oct 25;152(2):357–74

Sequence of the long terminal repeat and adjacent segments of the endogenous avian virus Rous-associated virus 0. Hughes SH. **J Virol** 1982 Jul;43(1):191–200

A simple computer program for calculating, modifying and drawing circular restriction maps. Lilley DM. **Nucleic Acids Res** 1982 Jan 11;10(1):19–26

Viscometric analysis of the interaction of bisphenanthridinium compounds with closed circular supercoiled and linear DNA. Wilson WD, et al. **Nucleic Acids Res** 1982 Jul 10;10(13):4093–106

DNA flexibility studied by covalent closure of short fragments into circles. Shore D, et al. **Proc Natl Acad Sci USA** 1981 Aug;78(8):4833–7

Improved visualization of single- and double-strained nucleic acids by STEM. Mory C, et al. **Ultramicroscopy** 1981; 7(2):161–7

[ccDNA-DAPI complexes: fluorimetric determination of various chemico-physical parameters] Dall'Asta R, et al. **Acta Biomed Ateneo Parmense** 1981;52(2–3):159–64 **(Ita)**

ANALYSIS

Decatenation of the kinetoplast DNA network of trypanosomes by a bacterial DNA-gyrase. Kayser A, et al. **Biochimie** 1982 Apr;64(4):285–8

A rapid and economic method for estimation of the number of plasmid copies in Escherichia coli cells. Hochmannová J, et al. **Folia Microbiol (Praha)** 1982;27(2):138–41

Kinetoplast DNA in Trypanosoma equinum. Cuthbertson RS. **J Protozool** 1981 May;28(2):182–8

Restriction endonuclease and nucleotide sequence analyses of molecularly cloned unintegrated avian tumor virus DNA: structure of large terminal repeats in circle junctions. Katz RA, et al. **J Virol** 1982 Apr;42(1):346–51

Constant and variable regions in DNA mini-circles from Trypanosoma cruzi and Trypanosoma rangeli: application to species and stock differentiation. Frasch AC, et al. **Mol Biochem Parasitol** 1981 Dec;4(3–4):163–70

Patterns of plasmid DNA in crystalliferous and acrystalliferous strains of Bacillus thuringiensis. González JM Jr, et al. **Plasmid** 1980 Jan;3(1):92–8

BIOSYNTHESIS

Regular segregation of composite plasmid Rms201. Ike Y, et al. **J Bacteriol** 1981 Nov;148(2):534–40

Mechanism of mitochondrial DNA replication in mouse L-cells. Replication of unicircular dimer molecules. Bogenhagen D, et al. **J Mol Biol** 1981 May 5;148(1):77–93

Control of circularization of bacteriophage P1 DNA in Escherichia coli. Segev N, et al. **Virology** 1981 Oct 30; 114(2):533–42

GENETICS

Circular forms of viral DNA in Marek's disease virus-transformed lymphoblastoid cells. Rziha HJ, et al. **Arch Virol** 1982;72(3):211–6

Construction of gapped circular DNA from phage M13 by in vitro hybridization. Courage-Tebbe U, et al. **Biochim Biophys Acta** 1982 Apr 26;697(1):1–5

Extensive methylation of chloroplast DNA by a nuclear gene mutation does not affect chloroplast gene transmission in chlamydomonas. Bolen PL, et al. **Cell** 1982 Feb; 28(2):335–43

Cloning and characterization of nine heat-shock-induced mRNAs of Drosophila melanogaster. Lis JT, et al. **Gene** 1981 Oct;15(1):67–80

Members of the Alu family of interspersed, repetitive DNA sequences are in the small circular DNA population of monkey cells grown in culture. Krolewski JJ, et al. **J Mol Biol** 1982 Jan 25;154(3):399–415

Sequence complexity of circular Epstein-Bar virus DNA in transformed cells. Griffin BE, et al. **J Virol** 1981 Oct; 40(1):11–9

Molecular cloning of B- and N-tropic endogenous BALB/c murine leukemia virus circular DNA intermediates: isolation and characterization of infectious recombinant clones. Rassart E, et al. **J Virol** 1981 Jul;39(1):162–71

Identification of a DNA fragment from a molecularly cloned mink cell focus-inducing murine leukemia virus specific for xenotropic virus-related sequences. Yoshimura FK. **J Virol** 1982 Jul;43(1):348–51

Rifampicin-resistant initiation of DNA synthesis on the isolated strands of ColE plasmid DNA. Böldicke TW, et al. **Nucleic Acids Res** 1981 Oct 24;9(20):5215–31

Structure of the baboon endogenous virus genome: cloning of circular virus DNA in bacteriophage lambda. Noda M, et al. **Nucleic Acids Res** 1981 May 11;9(9):2173–85

Physical mapping of the pea chloroplast DNA and localization of the ribosomal RNA genes. Chu NM, et al. **Plasmid** 1981 Nov;6(3):279–92

Kinetoplast DNA in the insect trypanosomes Crithidia luciliae and Crithidia fasciculata. I. Sequence evolution and transcription of the maxicircle. Hoeijmakers JH, et al. **Plasmid** 1982 May;7(3):199–209

Kinetoplast DNA in the insect trypanosomes Crithidia luciliae and Crithidia fasciculata. III. Heteroduplex analysis of the C. luciliae minicircles. Hoeijmakers JH, et al. **Plasmid** 1982 May;7(3):221–9

Kinetoplast DNA in the insect trypanosomes Crithidia luciliae and Crithidia fasciculata. II. Sequence evolution of the minicircles. Hoeijmakers JH, et al. **Plasmid** 1982 May;7(3):210–20

Restriction endonuclease mapping of a Rhizobium leguminosarum Sym plasmid. Prakash RK, et al. **Plasmid** 1982 May;7(3):271–80

Physical and genetic analysis of the Inc-W group plasmids R388, Sa, and R7K. Ward JM, et al. **Plasmid** 1982 May; 7(3):239–50

In vitro formation of multimeric DNA structures mediated by purified simian virus 40 chromatin. Waldeck W, et al. **Proc Natl Acad Sci USA** 1982 Feb;79(4):1027–31

ISOLATION & PURIFICATION

Iac operon operator DNA: isolation and trimming for NMR spectroscopy. Lillis M, et al. **Anal Biochem** 1982 Feb; 120(1):52–8

Identification of extrachromosomal DNA in hematolymphoid cells of chickens and mice. Bertelsen AH, et al. **Biochem Biophys Res Commun** 1982 Apr 14;105(3):977–84

Molecular characterization of small polydisperse circular deoxyribonucleic acid from an African green monkey cell line. Bertelsen AH, et al. **Biochemistry** 1982 Apr 27; 21(9):2076–85

Intracellular location of NR1-plasmid DNA in Escherichia coli minicells. Hochmannová J, et al. **Folia Microbiol (Praha)** 1981;26(4):270–6

Isolation and characterization of covalently closed circular DNA associated with chromosomal and membrane fraction from Streptomyces ambofaciens. Ikeda H, et al. **J Antibiot (Tokyo)** 1982 Apr;35(4):497–506

Separation of closed circular DNA from linear DNA by electrophoresis in two dimensions in agarose gels. Oppenheim A. **Nucleic Acids Res** 1981 Dec 21; 9(24):6805–12

Isolation and characterization of 2000-bp derivative of pBR322. Blank RD, et al. **Plasmid** 1982 May;7(3):287–9

Selective trapping of circular double-stranded DNA molecules in solidifying agarose. Schindler CW, et al. **Plasmid** 1982 May;7(3):263–70

METABOLISM

Interaction of crystal violet with nucleic acids. Wakelin LP, et al. **Biochemistry** 1981 Sep 29;20(20):5779–87

Studies with aphidicolin on the Fv-1 host restriction of Friend murine leukemia virus. Chinsky J, et al. **J Virol** 1982 Jul;43(1):182–90

The role of histone H2B from sea urchin sperm in the association of reconstituted minichromosomes. Osipova TN, et al. **Mol Biol Rep** 1982 Mar 31;8(2):71–5

Circular monomers of bacteriophage lambda DNA as substrates for in vitro packaging. Gold M, et al. **Virology** 1982 May;119(1):35–41

DNA (CYTOSINE-5-)-METHYLTRANSFERASE see under **METHYLTRANSFERASES**

DNA-DEPENDENT DNA POLYMERASES see **DNA POLYMERASES**

DNA-DEPENDENT RNA POLYMERASES see **RNA POLYMERASES**

DNA, FUNGAL

Methylation of nuclear DNA in Physarum polycephalum. Whittaker PA, et al. **Biochem J** 1980 Dec 1;191(3):859–62

The hierarchical approach to the DNA stability problem. II. Some applications and speculations with yeast mitochondrial DNA as an example. Michel F, et al. **Biochimie** 1982 Feb;64(2):113–26

Nucleotide sequence comparisons and functional analysis of yeast centromere DNAs. Fitzgerald-Hayes M, et al. **Cell** 1982 May;29(1):235–44

2-micrometers DNA-like plasmids in the osmophilic haploid yeast Saccharomyces rouxii. Toh-e A, et al. **J Bacteriol** 1982 Sep;151(3):1380–90

Sequence rearrangements between mitochondrial DNAs of Torulopsis glabrata and Kloeckera africana identified by hybridization with six polypeptide encoding regions from Saccharomyces cerevisiae mitochondrial DNA. Clark-Walker GD, et al. **J Mol Biol** 1981 Sep 25; 151(3):367–87

ANALYSIS

Sensitive detection of tritium in Southern blot and plaque hybridizations. Bartnik E, et al. **Anal Biochem** 1981 Sep 15;116(2):237–40

Phylogenetic significance of protein and nucleotide content in yeasts. Kocková-Kratochvílová A, et al. **Folia Microbiol (Praha)** 1981;26(3):221–7

Restriction enzyme analysis of mitochondrial DNA of members of the genus Aspergillus as an aid in taxonomy. Kozłowski M, et al. **J Gen Microbiol** 1982 Mar;128(Pt 3):471–6

Analysis of linear plasmids isolated from Streptomyces: association of protein with the ends of the plasmid DNA. Hirochika H, et al. **Plasmid** 1982 Jan;7(1):59–65

Extensive sequence homology in the DNA coding for elongation factor Tu from Escherichia coli and the Chlamydomonas reinhardtii chloroplast. Watson JC, et al. **Proc Natl Acad Sci USA** 1982 Apr;79(7):2264–7

BIOSYNTHESIS

Genetic and biochemical consequences of thymidylate stress. Barclay BJ, et al. **Can J Biochem** 1982 Mar;60(3):172–84

DNA replication in Physarum polycephalum. Analysis of replicating nuclear DNA using the electron microscope. Hardman N, et al. **Eur J Biochem** 1980 May;106(1):161–7

A study of macromolecular synthesis in a range of radiation sensitive mutants of yeast. Piperakis SM, et al. **Int J Radiat Biol** 1982 Jan;41(1):91–8

Synthesis of mitochondrial DNA during the cell cycle of the petite negative yeast Schizosaccharomyces pombe. Del Giudice L, et al. **MGG** 1981;182(2):252–4

[Ratio of the mutation spectrum to the physiological state of the Penicillium chrysogenum cell. Auxotrophic mutations induced by N-nitroso-N-methylbiuret in exposure at different stages of DNA replication] Zakharova GM, et al. **Antibiotiki** 1981 Aug;26(8):600–6 (Eng. Abst:.) **(Rus)**

[Ratio of the mutation spectrum to the physiological state of the Penicillium chrysogenum cell. Auxotrophic mutations induced by UV rays at different stages of DNA replication] Zakharova GM, et al. **Antibiotiki** 1981 Sep; 26(9):672–5 (Eng. Abstr.) **(Rus)**

GENETICS

Mutagenesis and repair in yeast mitochondrial DNA. Moustacchi E, et al. **Basic Life Sci** 1982;20:273–301 (120 ref.)

Detailed analysis of the nucleosomal organization of transcribed DNA in yeast chromatin. Lohr DE. **Biochemistry** 1981 Oct 13;20(21):5966–72

Analysis of foldback sequences and repetitive sequences in cloned segments of nuclear DNA from Physarum polycephalum. McLachlan A, et al. **Biochim Biophys Acta** 1982 Apr 26;697(1):89–100

The sequence of the DNAs coding for the mating-type loci of Saccharomyces cerevisiae. Astell CR, et al. **Cell** 1981 Nov;27(1 Pt 2):15–23

An irregular satellite sequence is found at the termini of the linear extrachromosomal rDNA in Dictyostelium discoideum. Emery HS, et al. **Cell** 1981 Nov;26(3 Pt 1):411–9

DNA sequence of a mutation in the leader region of the yeast iso-1-cytochrome c mRNA. Stiles JI, et al. **Cell** 1981 Jul;25(1):277–84

In vitro mutation analysis of the mating-type locus in yeast. Tatchell K, et al. **Cell** 1981 Nov;27(1 Pt 2):25–35

Organization of a gene cluster expressed specifically in the asexual spores of A. nidulans. Timberlake WE, et al. **Cell** 1981 Oct;26(1 Pt 1):29–37

Analysis of the junction between ribosomal RNA genes and single-copy chromosomal sequences in the yeast Saccharomyces cerevisiae. Zamb TJ, et al. **Cell** 1982 Feb; 28(2):355–64

Cloning with 2-micrometer DNA vectors and the expression of foreign genes in Saccharomyces cerevisiae. Hollenberg CP. **Curr Top Microbiol Immunol** 1982;96:119–44 (113 ref.)

Organization of the ribosomal RNA gene cluster in Aspergillus nidulans. Borsuk PA, et al. **Gene** 1982 Feb; 17(2):147–52

The nucleotide sequence of the HIS4 region of yeast. Donahue TF, et al. **Gene** 1982 Apr;18(1):47–59

Cloning of the HIS5 gene of Saccharomyces cerevisiae by yeast transformation. Harashima S, et al. **Gene** 1981 Dec; 16(1-3):335–41

Structure around the 3' terminus of the 26S ribosomal RNA gene of Physarum polycephalum. Kukita T, et al. **Gene** 1981 Dec;16(1-3):309–15

Complementation of the leuB6 allele of Escherichia coli by cloned DNA from Mucor racemosus. Cihlar RL, et al. **J Bacteriol** 1982 Jul;151(1):521–3

Transformation of Saccharomyces cerevisiae with linear DNA killer plasmids from Kluyveromyces lactis. Gunge N, et al. **J Bacteriol** 1982 Jul;151(1):462–4

The primary structure of the Saccharomyces cerevisiae gene for alcohol dehydrogenase. Bennetzen JL, et al. **J Biol Chem** 1982 Mar 25;257(6):3018–25

The nucleotide sequences of the actin genes from Saccharomyces carlsbergensis and Saccharomyces cerevisiae are identical except for their introns. Nellen W, et al. **J Mol Appl Gen** 1981;1(3):239–44

Antimutators of mitochondrial and nuclear DNA in Saccharomyces cerevisiae. Relationship with gamma-ray sensitivity. Bianchi L, et al. **MGG** 1982;185(3):418–23

Repair of interstrand cross-links in DNA of Saccharomyces cerevisiae requires two systems for DNA repair: the RAD3 system and the RAD51 system. Jachymczyk WJ, et al. **MGG** 1981;182(2):196–205

Liposome-mediated genetic transformation of Neurospora crassa. Radford A, et al. **MGG** 1981;184(3):567–9

Characterization of the transmission during cytoductant formation of the 2 micrometers DNA plasmid from Saccharomyces. Sigurdson DC, et al. **MGG** 1981; 183(1):59–65

Influence of the nuclear gene tmp3 on the loss of mitochondrial genes in Saccharomyces cerevisiae. Zelikson R, et al. **Mol Cell Biol** 1982 Apr;2(4):457–66

Nuclear mutants of yeast with reduced spontaneous mutability of the mitochondrial genome. Devin AB, et al. **Mutat Res** 1981 Nov;91(6):451–5

The origins of replication of the yeast mitochondrial genome and the phenomenon of suppressivity. de Zamaroczy M, et al. **Nature** 1981 Jul 2;292(5818):75–8

Activation of transcription of a yeast gene in E. coli by an IS5 element. Jund R, et al. **Nature** 1982 Apr 15; 296(5858):680–1

A hypothesis for the initiation of genetic recombination in eukaryotes. Markham P, et al. **Nature** 1982 Feb 4; 295(5848):421–3

In vivo decoding rules in Schizosaccharomyces pombe are at variance with in vitro data. Munz P, et al. **Nature** 1981 Nov 12;294(5837):187–8

Transformation of the green alga Chlamydomonas reinhardii with yeast DNA. Rochaix JD, et al. **Nature** 1982 Mar 4; 296(5852):70–2

Similar genes for a mitochondrial ATPase subunit in the nuclear and mitochondrial genomes of Neurospora crassa. van den Boogaart P, et al. **Nature** 1982 Jul 8; 298(5870):187–9

A sequence of mitochondrial DNA is associated with the onset of senescence in a fungus. Vierny C, et al. **Nature** 1982 May 13;297(5862):157–9

Selective in vitro transcription by purified yeast RNA polymerase II on cloned 2 micron DNA. Ballario P, et al. **Nucleic Acids Res** 1981 Aug 25;9(16):3959–78

Characterization of sequence elements at the 5' end of a discoidin I gene isolated from Dictyostelium discoideum. Devine JM, et al. **Nucleic Acids Res** 1982 Feb 25; 10(4):1231–41

Conservation of high efficiency promoter sequences in Saccharomyces cerevisiae. Dobson MJ, et al. **Nucleic Acids Res** 1982 Apr 24;10(8):2625–37

Sequence of a yeast DNA fragment containing a chromosomal replicator and a tRNA Glu 3 gene. Feldmann H, et al. **Nucleic Acids Res** 1981 Jun 25;9(12):2949–59

The 5S RNA genes of Schizosaccharomyces pombe. Mao J, et al. **Nucleic Acids Res** 1982 Jan 22;10(2):487–500

Nucleotide sequence of the ribosomal RNA gene of Physarum polycephalum: intron 2 and its flanking regions of the 26S rRNA gene. Nomiyama H, et al. **Nucleic Acids Res** 1981 Nov 11;9(21):5507–20

Evidence for ribosomes involved in splicing of yeast mitochondrial transcripts. Schmelzer C, et al. **Nucleic Acids Res** 1982 Jan 22;10(2):513–24

Transcription in yeast mitochondria: analysis of the 21 S rRNA region and its transcripts. Locker J, et al. **Plasmid** 1981 Nov;6(3):302–14

Restriction endonuclease mapping of a Rhizobium leguminosarum Sym plasmid. Prakash RK, et al. **Plasmid** 1982 May;7(3):271–80

5'-Untranslated sequences of two structural genes in the qa gene cluster of Neurospora crassa. Alton NK, et al. **Proc Natl Acad Sci USA** 1982 Mar;79(6):1955–9

sigma, a repetitive element found adjacent to tRNA genes of yeast. del Rey FJ, et al. **Proc Natl Acad Sci USA** 1982 Jul;79(13):4138–42

Suppressor of yeast mitochondrial ochre mutations that maps in or near the 15S ribosomal RNA gene of mtDNA. Fox TD, et al. **Proc Natl Acad Sci USA** 1982 Mar;79(5):1583–7

Hybrid DNA formation during meiotic recombination. Hamza H, et al. **Proc Natl Acad Sci USA** 1981 Dec; 78(12):7648–51

Properties of a Saccharomyces cerevisiae mtDNA segment conferring high-frequency yeast transformation. Hyman BC, et al. **Proc Natl Acad Sci USA** 1982 Mar;79(5):1578–82

Yeast 2-micrometer plasmid DNA replication in vitro: origin and direction. Kojo H, et al. **Proc Natl Acad Sci USA** 1981 Dec;78(12):7261–5

The fate of 8-methoxypsoralen photoinduced crosslinks in nuclear and mitochondrial yeast DNA: comparison of wild-type and repair-deficient strains. Magaña-Schwencke N, et al. **Proc Natl Acad Sci USA** 1982 Mar;79(6):1722–6

Localization of genes for the double-stranded RNA killer virus of yeast. Welsh JD, et al. **Proc Natl Acad Sci USA** 1982 Feb;79(3):786–9

ISOLATION & PURIFICATION

A method for extracting high-molecular-weight deoxyribonucleic acid from fungi. Specht CA, et al. **Anal Biochem** 1982 Jan 1;119(1):158–63

Isolation of cloned ribosomal protein genes from the yeast Saccharomyces carlsbergensis. Bollen GH, et al. **Gene** 1981 Sep;14(4):279–87

[DNA base composition in strains of 'Sporothrix schenckii' and 'Ceratocystis' (author's transl)] de Bièvre C, et al. **Ann Microbiol (Paris)** 1981 Sep-Oct;132B(2):281–4 (Eng. Abstr.) **(Fre)**

METABOLISM

Sequencing long DNA fragments cloned in bacteriophage M13 by using internal primers. The sequence analysis of a yeast DNA fragment containing a replication origin. Hindley J, et al. **Biochem J** 1981 Dec 1;199(3):819–23

Photochemical interaction of dictamnine, a furoquinoline alkaloid, with fungal DNA. Pfyffer GE, et al. **Can J Microbiol** 1982 May;28(5):468–73

Toxicity, interstrand cross-links and DNA fragmentation induced by 'activated' cyclophosphamide in yeast. Fleer R, et al. **Chem Biol Interact** 1981 Oct;37(1-2):123–40

Comparative study on the effects of cyclophosphamide on yeast in vitro and in the host-mediated assay: DNA damage and biological response. Ogorek B, et al. **Chem Biol Interact** 1981 Oct;37(1-2):141–54

Ligase-deficient yeast cells exhibit defective DNA rejoining and enhanced gamma ray sensitivity. Moore CW. **J Bacteriol** 1982 Jun;150(3):1227–33

Postreplication repair in Neurospora crassa. Calza RE, et al. **MGG** 1982;185(1):111–9

[Chemical reduction of the amount of nucleic acids in intact Saccharomyces carlsbergensis cells] Petkov P, et al. **Acta Microbiol Bulg** 1981;9:54–61 (Eng. Abstr.) **(Bul)**

[Effect of phosphate starvation on growth and macromolecular composition of Candida spec. H] Brückner B, et al. **Z Allg Mikrobiol** 1982;22(2):83–90 (Eng. Abstr.) **(Ger)**

RADIATION EFFECTS

Mutations induced by X-rays and UV radiation during the nuclear cell cycle in the yeast Schizosaccharomyces pombe. Barale R, et al. **Mutat Res** 1982 Feb 22; 92(1-2):39–47

Involvement of near-UV-induced synthesis of serotonin in photoprotection and in potentiation of far-UV lethality in the yeast Candida guilliermondii. Fraikin GY, et al. **Photochem Photobiol** 1981 Jun;33(6):839–43

Evidence for DNA double-strand breaks as the critical lesions in yeast cells irradiated with sparsely or densely ionizing radiation under oxic or anoxic conditions. Frankenberg D, et al. **Radiat Res** 1981 Dec;88(3):524–32

DNA GYRASE

ANALYSIS

[Role of higher order structure of DNA in initiation process of DNA replication (author's transl)] Ogasawata N, et al. **Tanpakushitsu Kakusan Koso** 1982;27(1):28–38 (34 ref.) **(Jpn)**

ANTAGONISTS & INHIBITORS

Differential effects of antibiotics inhibiting gyrase. Engle EC, et al. **J Bacteriol** 1982 Jan;149(1):92–8

Envelope protein synthesis and inhibition of cell division in Escherichia coli during inactivation of the B subunit of DNA gyrase. Herrero E, et al. **J Gen Microbiol** 1982 Feb; 128(Pt 2):361–9

Effect of novobiocin and other DNA gyrase inhibitors on virus replication and DNA synthesis in herpes simplex virus type 1-infected BHK cells. Fraiucke B, et al. **J Gen Virol** 1981 Feb;52(Pt 2):401–4

ISOLATION & PURIFICATION

Bacillus subtilis DNA gyrase: purification of subunits and reconstitution of supercoiling activity. Orr E, et al.

J Bacteriol 1982 Jul;151(1):524–7
DNA gyrase: affinity chromatography on novobiocin–Sepharose and catalytic properties. Staudenbauer WL, et al. Nucleic Acids Res 1981 Aug 11; 9(15):3589–603

METABOLISM

Decatenation of the kinetoplast DNA network of trypanosomes by a bacterial DNA–gyrase. Kayser A, et al. Biochimie 1982 Apr;64(4):285–8
The involvement of DNA topoisomerases in DNA repair and mutagenesis. Crumplin GC. Carcinogenesis 1981; 2(2):157–60
In vitro study of illegitimate recombination: involvement of DNA gyrase. Ikeda H, et al. Cold Spring Harbor Symp Quant Biol 1980;45 Pt 1:399–408
The influence of DNA gyrase on the transcription of linear DNA in vitro. Shmerling ZhG, et al. FEBS Lett 1982 Apr 19;140(2):260–2
Enhancement of ribosomal ribonucleic acid synthesis by deoxyribonucleic acid gyrase activity in Escherichia coli. Oostra BA, et al. J Bacteriol 1981 Dec;148(3):782–7
New nalidixic acid resistance mutations related to deoxyribonucleic acid gyrase activity. Yamagishi J, et al. J Bacteriol 1981 Nov;148(2):450–8
Yeast DNA topoisomerase II. An ATP-dependent type II topoisomerase that catalyzes the catenation, decatenation, unknotting, and relaxation of double-stranded DNA rings. Goto T, et al. J Biol Chem 1982 May 25;257(10):5866–72
DNA gyrase inhibitors block development of Bacillus subtilis bacteriophage SP01. Alonso JC, et al. J Virol 1981 Sep; 39(3):855–60
Essential role of the gyrB gene product in the transcriptional event coupled to dnaA-dependent initiation of Escherichia coli chromosome replication. Filutowicz M, et al. MGG 1981;183(1):134–8
DNA supercoiling by DNA gyrase [news] Fisher LM. Nature 1981 Dec 17;294(5842):607–8
Site-specific interaction of DNA gyrase with DNA. Fisher LM, et al. Proc Natl Acad Sci USA 1981 Jul;78(7):4165–9
Illegitimate recombination mediated in vitro by DNA gyrase of Escherichia coli: structure of recombinant DNA molecules. Ikeda H, et al. Proc Natl Acad Sci USA 1982 Jun;79(12):3724–8

PHYSIOLOGY

Enhanced resistance to nitrosoguanidine killing and mutagenesis in a DNA gyrase mutant of Escherichia coli. Chao L, et al. J Bacteriol 1982 Aug;151(2):764–70

DNA HELIX DESTABILIZING PROTEINS see **DNA UNWINDING PROTEINS**

DNA INSERTION ELEMENTS

see related
DNA, RECOMBINANT

Transposable elements in prokaryotes. Kleckner N. Annu Rev Genet 1981;15:341–404 (322 ref.)
Evolutionary significance of accessory DNA elements in bacteria. Campbell A. Annu Rev Microbiol 1981;35:55–83 (115 ref.)
Chloramphenicol transposons found in Salmonella naestved and Escherichia coli of domestic animal origin. Terakado N, et al. Antimicrob Agents Chemother 1981 Sep;20(3):382–6
Occurrence of transposable trimethoprim resistance in clinical isolates of Escherichia coli devoid of self-transmissible resistance plasmids. Towner KJ, et al. Antimicrob Agents Chemother 1982 Feb;21(2):336–8
Mutagenesis of Alcaligenes eutrophus by insertion of the drug-resistance transposon Tn5. Srivastava S, et al. Arch Microbiol 1982 May;131(3):203–7
Gene conversion: a possible mechanism for eliminating selfish DNA. Holliday R. Basic Life Sci 1982;20:259–64
Transposons and illegitimate recombination in prokaryotes: a summary and perspective. Kleckner N. Basic Life Sci 1982;20:265–71
Mutants of Escherichia coli K12 which affect excision of transposon Tn10. Lundblad V, et al. Basic Life Sci 1982; 20:245–58
Cloning of DNA sequences from the white locus of D. melanogaster by a novel and general method. Bingham PM, et al. Cell 1981 Sep;25(3):693–704
A copy of the copia transposable element is very tightly linked to the Wa allele at the white locus of D. melanogaster. Bingham PM, et al. Cell 1981 Sep; 25(3):705–11
Overproduction of the Tn3 transposition protein and its role in DNA transposition. Casadaban MJ, et al. Cell 1982 Feb; 28(2):345–54
Ribosomal insertion-like elements in Drosophila melanogaster are interspersed with mobile sequences. Dawid IB, et al. Cell 1981 Aug;25(2):399–408
Identifying P factors in Drosophila by means of chromosome breakage hotspots. Engels WR, et al. Cell 1981 Nov;26(3 Pt 1):421–8
A symmetrical six-base-pair target site sequence determines Tn10 insertion specificity. Halling SM, et al. Cell 1982 Jan; 28(1):155–63
Short interspersed repetitive DNA elements in eucaryotes: transposable DNA elements generated by reverse transcription of RNA pol III transcripts? Jagadeeswaran P, et al. Cell 1981 Oct;26(2 Pt 2):141–2 (0 ref.)
Ty elements are involved in the formation of deletions in DEL1 strains of Saccharomyces cerevisiae. Liebman S, et al. Cell 1981 Nov;26(3 Pt 1):401–9
Transposon-mediated site-specific recombination in vitro: DNA cleavage and protein–DNA linkage at the recombination site. Reed RR, et al. Cell 1981 Sep; 25(3):721–8
Transposon-mediated site-specific recombination: a defined in vitro system. Reed RR. Cell 1981 Sep;25(3):713–9
Structure and evolution of goat gamma–, beta C– and beta A–globin genes: three developmentally regulated genes contain inserted elements. Schon EA, et al. Cell 1981 Dec; 27(2 Pt 1):359–69
Internal rearrangements of IS2 in Escherichia coli. Ahmed A, et al. Cold Spring Harbor Symp Quant Biol 1980;45 Pt 1:141–51
Structural analysis of Tn5. Auerswald EA, et al. Cold Spring Harbor Symp Quant Biol 1980;45 Pt 1:107–13
Insertion, excision, and inversion of Tn5. Berg DE, et al. Cold Spring Harbor Symp Quant Biol 1980;45 Pt 1:115–23
Regulation of Tn5 transposition. Biek D, et al. Cold Spring Harbor Symp Quant Biol 1980;45 Pt 1:189–91
Some general questions about movable elements and their implications. Campbell A. Cold Spring Harbor Symp Quant Biol 1980;45 Pt 1:1–9
Tn3: transposition and control. Casadaban MJ, et al. Cold Spring Harbor Symp Quant Biol 1980;45 Pt 1:269–73
Mechanism of bacteriophage Mu DNA transposition. Chaconas G, et al. Cold Spring Harbor Symp Quant Biol 1980;45 Pt 1:311–22
IS1-promoted events associated with drug-resistance plasmids. Chandler M, et al. Cold Spring Harbor Symp Quant Biol 1980;45 Pt 1:157–65
Isolation of polA mutation that affects transposition of insertion sequences and transposons. Clements MB, et al. Cold Spring Harbor Symp Quant Biol 1980;45 Pt 1:201–4
Intramolecular transposition of beta-lactamase sequence and related genetic rearrangements. Clowes RC, et al. Cold Spring Harbor Symp Quant Biol 1980;45 Pt 1:167–71
Transposition studies using a ColE1 derivative carrying bacteriophage Mu. Coelho A, et al. Cold Spring Harbor Symp Quant Biol 1980;45 Pt 1:323–8
Instability of palindromic DNA in Escherichia coli. Collins J. Cold Spring Harbor Symp Quant Biol 1980;45 Pt 1:409–16
Transposons encoding trimethoprim or gentamicin resistance in medically important bacteria. Datta N, et al. Cold Spring Harbor Symp Quant Biol 1980;45 Pt 1:45–51
Genetic study of Mu transposition and Mu-mediated chromosomal rearrangements. Desmet L, et al. Cold Spring Harbor Symp Quant Biol 1980;45 Pt 1:355–63
Evidence for conjugal transfer of a Streptococcus faecalis transposon (Tn916) from a chromosomal site in the absence of plasmid DNA. Franke AE, et al. Cold Spring Harbor Symp Quant Biol 1980;45 Pt 1:77–80
Activation of gene expression by IS2 and IS3. Glansdorff N, et al. Cold Spring Harbor Symp Quant Biol 1980;45 Pt 1:153–6
Analysis of the structure and function of the kanamycin-resistance transposon Tn903. Grindley ND, et al. Cold Spring Harbor Symp Quant Biol 1980;45 Pt 1:125–33
Identification of a sex-factor-affinity site in E. coli as gamma delta. Guyer MS, et al. Cold Spring Harbor Symp Quant Biol 1980;45 Pt 1:135–40
Tn3 encodes a site-specific recombination system: identification of essential sequences, genes, and the actual site of recombination. Heffron F, et al. Cold Spring Harbor Symp Quant Biol 1980;45 Pt 1:259–68
Transposition of bacteriophage Mu: properties of lambda phages containing both ends of Mu. Howe MM, et al. Cold Spring Harbor Symp Quant Biol 1980;45 Pt 1:337–46
Genesis and natural history of IS-mediated transposons. Iida S, et al. Cold Spring Harbor Symp Quant Biol 1980;45 Pt 1:27–43
Trans-acting genes of bacteriophages P1 and Mu mediate inversion of a specific DNA segment involved in flagellar phase variation of Salmonella. Iino T, et al. Cold Spring Harbor Symp Quant Biol 1980;45 Pt 1:11–6
Two pathways in bacteriophage Mu transposition? Kamp D, et al. Cold Spring Harbor Symp Quant Biol 1980;45 Pt 1:329–36
Studies on transposition mechanisms and specificity of IS4. Klaer R, et al. Cold Spring Harbor Symp Quant Biol 1980; 45 Pt 1:215–24
Genetic organization of Tn10 and analysis of Tn10-associated excision events. Kleckner N, et al. Cold Spring Harbor Symp Quant Biol 1980;45 Pt 1:225–38
Detection of replicational inceptor signals in IS5. Lusky M, et al. Cold Spring Harbor Symp Quant Biol 1980;45 Pt 1:173–6
Genetic and sequencing studies of the specificity of transposition into the lac region of E. coli. Miller JH, et al. Cold Spring Harbor Symp Quant Biol 1980;45 Pt 1:243–57
Recombination involving transposable elements: on replicon fusion. Muster CJ, et al. Cold Spring Harbor Symp Quant Biol 1980;45 Pt 1:239–42
Inverted-repeat nucleotide sequences in Escherichia coli and Caulobacter crescentus. Nisen P, et al. Cold Spring Harbor Symp Quant Biol 1980;45 Pt 1:81–5
Hitchhiking transposons and other mobile genetic elements and site-specific recombination systems in Staphylococcus aureus. Novick RP, et al. Cold Spring Harbor Symp Quant Biol 1980;45 Pt 1:67–76
Mechanism of insertion and cointegration mediated by IS1 and Tn3. Ohtsubo E, et al. Cold Spring Harbor Symp Quant Biol 1980;45 Pt 1:283–95
Substitution of silent bacterial genes by a bacteriophage lambda variant carrying IS1. Olson E, et al. Cold Spring Harbor Symp Quant Biol 1980;45 Pt 1:205–12
ISR1: an insertion element isolated from the soil bacterium Rhizobium lupini. Priefer UB, et al. Cold Spring Harbor Symp Quant Biol 1980;45 Pt 1:87–91
Genetic organization of Tn5. Rothstein SJ, et al. Cold Spring Harbor Symp Quant Biol 1980;45 Pt 1:99–105
IS1-mediated DNA rearrangements. Saedler H, et al. Cold Spring Harbor Symp Quant Biol 1980;45 Pt 1:93–8
Genes are things you have whether you want them or not. Sapienza C, et al. Cold Spring Harbor Symp Quant Biol 1980;45 Pt 1:177–82
Basis of transposition and gene amplification by Tn1721 and related tetracycline-resistance transposons. Schmitt R, et al. Cold Spring Harbor Symp Quant Biol 1980;45 Pt 1:59–65
Transposon-specified, site-specific recombination systems. Sherratt D, et al. Cold Spring Harbor Symp Quant Biol 1980;45 Pt 1:275–81
Analysis of the functional components of the phase variation system. Silverman M, et al. Cold Spring Harbor Symp Quant Biol 1980;45 Pt 1:17–26
Mutants of Escherichia coli affected in the processes of transposition and genomic rearrangements. Smirnov GB, et al. Cold Spring Harbor Symp Quant Biol 1980;45 Pt 1:193–200
A study of the dissemination of Tn1681: a bacterial transposon encoding a heat-stable toxin among enterotoxigenic Escherichia coli isolates. So M, et al. Cold Spring Harbor Symp Quant Biol 1980;45 Pt 1:53–8
Transposition immunity. Wallace LJ, et al. Cold Spring Harbor Symp Quant Biol 1980;45 Pt 1:183–8
Nucleotide sequence analysis of avian retroviruses: structural similarities with transposable elements. Ju G, et al. Fed Proc 1982 Aug;41(10):2659–61
Transposon Tn10: genetic organization, regulation, and insertion specificity. Kleckner N, et al. Fed Proc 1982 Aug; 41(10):2649–52
Construction of yeast strains containing genetically marked transposons. Roeder GS, et al. Fed Proc 1982 Aug; 41(10):2653–5
Transposition of a tetracycline-resistance determinant (Tn1523) and cointegration events mediated by the pIP231 plasmid in Escherichia coli. Briaux-Gerbaud S, et al. Gene 1981 Nov;15(2–3):139–49
DNA sequences flanking an E. coli insertion element IS2 in a cloned yeast TRP5 gene. Brosius J, et al. Gene 1982 Feb;17(2):223–8
Transposition of a DNA fragment flanked by two inverted Tn1 sequences. Dobritsa AP, et al. Gene 1981 Aug; 14(3):217–25
The nucleotide sequence and protein-coding capability of the transposable element IS5. Engler JA, et al. Gene 1981 Aug;14(3):155–63
Comparison of IS1, IS2 and IS3 copy number in Escherichia coli strains K-12, B and C. Hu M, et al. Gene 1981 Dec; 16(1–3):161–70
Plasmid reference center registry of transposon (Tn) allocations through July 1981. Lederberg EM. Gene 1981 Dec;16(1–3):59–61
Plasmid cointegrates and their resolution mediated by transposon Tn3 mutants. McCormick M, et al. Gene 1981 Nov;15(2–3):103–18
The nucleotide sequence of IS5 from Escherichia coli. Schoner B, et al. Gene 1981 Aug;14(3):165–74
Distribution of IS5 in bacteria. Schoner B, et al. Gene 1981 Dec;16(1–3):347–52
Insertions of the transposon Tn1 into the Pseudomonas aeruginosa chromosome. Krishnapillai V, et al. Genetics 1981 Mar–Apr;97(3–4):495–511
Mating-type differentiation by transposition of controlling elements in Saccharomyces cerevisiae. Oshima T, et al. Genetics 1981 Mar–Apr;97(3–4):531–49
A model for spontaneous mutation in Drosophila caused by transposing elements. Thompson JN Jr, et al. Heredity (Edinburgh) 1981 Dec;47(Pt 3):327–35
Evolution of the D-ribose operon on Escherichia coli B/r. Abou-Sabé M, et al. J Bacteriol 1982 May;150(2):762–9
Genetic mapping with Tn5-derived auxotrophs of Caulobacter crescentus. Barrett JT, et al. J Bacteriol 1982 Aug;151(2):888–98
A multifunctional gene (tetR) controls Tn10-encoded tetracycline resistance. Beck CF, et al. J Bacteriol 1982 May;150(2):633–42
Analysis of mini-F plasmid replication by transposition mutagenesis. Bergquist PL, et al. J Bacteriol 1981 Sep; 147(3):888–99
Tn9 and IS1 inserts in a ribosomal ribonucleic acid operon of Escherichia coli are incompletely polar. Brewster JM, et al. J Bacteriol 1981 Dec;148(3):897–903
Molecular nature of a plasmid specifying beta-lactamase production in Haemophilus ducreyi. Brunton J, et al. J Bacteriol 1981 Dec;148(3):788–95
Genetic elements novel for Corynebacterium diphtheriae: specialized transducing elements and transposons. Buck

GA, et al. **J Bacteriol** 1981 Oct;148(1):143–52

Mapping nonselectable genes of Escherichia coli by using transposon Tn10: location of a gene affecting pyruvate oxidase. Chang YY, et al. **J Bacteriol** 1982 Sep; 151(3):1279–89

Isolation of the kanamycin resistance region (Tn2350) of plasmid R1drd–19 as an autonomous replicon. Clerget M, et al. **J Bacteriol** 1982 Aug;151(2):924–31

Two complementation groups mediate tetracycline resistance determined by Tn10. Curiale MS, et al. **J Bacteriol** 1982 Jul;151(1):209–15

Tn10 insertions in the pfkB regior. of Escherichia coli. Daldal F, et al. **J Bacteriol** 1981 Sep;147(3):935–43

Genetic and molecular characterization of Tn21, a multiple resistance transposon from R100.1. de la Cruz F, et al. **J Bacteriol** 1982 Jul;151(1):222–28

Amino–terminal sequence of the Tn3 transposase protein. Ditto MD, et al. **J Bacteriol** 1982 Jan;149(1):407–10

Transposon mutagenesis in Caulobacter crescentus. Ely B, et al. **J Bacteriol** 1982 Feb;149(2):620–5

Transposition of Tn7 occurs at a single site on the Caulobacter crescentus chromosome. Ely B. **J Bacteriol** 1982 Aug;151(2):1056–8

Beta–lactamase–specifying plasmids isolated from Neisseria gonorrhoeae have retained an intact right part of a Tn3–like transposon. Fayet O, et al. **J Bacteriol** 1982 Jan; 149(1):136–44

Insertion of transposons through the major cotransduction gap of Escherichia coli K–12. Fouts KE, et al. **J Bacteriol** 1982 Jan;149(1):106–13

Tn2921, a transposon encoding fosfomycin resistance. Garcia–Lobo JM, et al. **J Bacteriol** 1982 Jul;151(1):477–9

Occurrence and properties of composite transposon Tn2672: evolution of multiple drug resistance transposons. Hänni C, et al. **J Bacteriol** 1982 Jun;150(3):1266–73

Identification of citrate utilization transposon Tn3411 from a naturally occurring citrate utilization plasmid. Ishiguro N, et al. **J Bacteriol** 1982 Mar;149(3):961–8

Transposition of the carbenicillin–hydrolyzing beta–lactamase gene. Katsu K, et al. **J Bacteriol** 1982 May; 150(2):483–9

Utilization of a thermosensitive episome bearing transposon TN10 to isolate Hfr donor strains of Erwinia carotovora subsp. chrysanthemi. Kotoujansky A, et al. **J Bacteriol** 1982 Apr;150(1):122–31

Physical and genetic characterization of symbiotic and auxotrophic mutants of Rhizobium meliloti induced by transposon Tn5 mutagenesis. Meade HM, et al. **J Bacteriol** 1982 Jan;149(1):114–22

Spread of a 'Pseudomonas–specific' beta–lactamase to plasmids of enterobacteria. Medeiros AA, et al. **J Bacteriol** 1982 Feb;149(2):700–7

Tn7 and Tn501 Insertions into Pseudomonas aeruginosa plasmid R91–5: mapping of two transfer regions. Moore RJ, et al. **J Bacteriol** 1982 Jan;149(1):276–83

Trimethoprim–produced F–specific insertion mutations in Escherichia coli K–12. Mukhopadhyay P, et al. **J Bacteriol** 1982 May;150(2):755–61

Translocatable resistance to mercuric and phenylmercuric ions in soil bacteria. Radford AJ, et al. **J Bacteriol** 1981 Sep;147(3):1110–2

Spontaneous mutators of salmonella typhimurium LT2 generated by insertion of transposable elements. Shanabruch WG, et al. **J Bacteriol** 1981 Sep;147(3):827–35

A chromosomally located transposon in Pseudomonas aeruginosa. Sinclair MI, et al. **J Bacteriol** 1982 Aug; 151(2):569–79

Homology among tet determinants in conjugative elements of streptococci. Smith MD, et al. **J Bacteriol** 1981 Oct; 148(1):232–40

A gene and its product required for transposition of resistance transposon Tn2603. Tanaka M, et al. **J Bacteriol** 1982 Aug; 151(2):723–8

Mutagenesis by insertion of drug resistance transposon Tn7 into a vibrio species. Thomson JA, et al. **J Bacteriol** 1981 Oct;148(1):374–8

Determining the phoM map location in Escherichia coli K–12 by using a nearby transposon Tn10 insertion. Wanner BL, et al. **J Bacteriol** 1982 Apr;150(1):429–32

Recombination between two IS/s flanking the r–determinant of R100–1: involvement of dor and recA gene functions in Salmonella typhimurium. Watanabe H, et al. **J Bacteriol** 1982 Apr;150(1):113–21

Tetracycline resistance transposon Tn1721: recA–dependent gene amplification and expression of tetracycline resistance. Wiebauer K, et al. **J Bacteriol** 1981 Sep;147(3):851–9

Comparison of transcription of beta–lactamase genes specified by various ampicillin transposons. Yamamoto T, et al. **J Bacteriol** 1982 Apr;150(1):269–76

Several copies of the same insertion sequence are present in alpha–hemolytic plasmids belonging to four different incompatibility groups. Zabala JC, et al. **J Bacteriol** 1982 Jul;151(1):472–6

Mercuric reductase. Purification and characterization of a transposon–encoded flavoprotein containing an oxidation–reduction–active disulfide. Fox B, et al. **J Biol Chem** 1982 Mar 10;257(5):2498–503

Purification of the TET repressor and TET operator from the transposon Tn10 and characterization of their interaction. Hillen W, et al. **J Biol Chem** 1982 Jun 10; 257(11):6605–13

Left–handed DNA. Cloning, characterization, and instability of inserts containing different lengths of (dC–dG) in Escherichia coli. Klysik J, et al. **J Biol Chem** 1982 Sep 10;257(17):10152–8

Reduced expression of Tn 10–mediated tetracycline resistance in Escherichia coli containing more than one copy of the transposon. Chopra I, et al. **J Gen Microbiol** 1981 Sep;126(Pt 1):45–54

Is the IS1–flanked r–determinant of the R plasmid NR1 a transposon? Iida S, et al. **J Gen Microbiol** 1981 Oct;126(Pt 2):413–25

TnA–directed deletion of the trp operon from RSF2124–trp in Escherichia coli. Tsunekawa H, et al. **J Gen Microbiol** 1981 Nov;127, pt 1:93–102

Proteus mirabilis converting phage 5006Mpa has an oversized genome. Pretorius GH, et al. **J Gen Virol** 1981 Nov;57(Pt 1):211–3

Transposable elements controlling genetic instabilities in mammals. Whitney JB 3d, et al. **J Hered** 1982 Jan–Feb; 73(1):12–8 (59 ref.)

The transposition frequency of IS1–flanked transposons is a function of their size. Chandler M, et al. **J Mol Biol** 1982 Jan 15;154(2):229–43

A new dominant hybrid selective marker for higher eukaryotic cells. Colbère–Garapin F, et al. **J Mol Biol** 1981 Jul 25;150(1):1–14

Structure and stability of Tn9–mediated cointegrates. Evidence for two pathways of transposition. Galas DJ, et al. **J Mol Biol** 1982 Jan 15;154(2):245–72

The nature of the complexes formed between the int protein and DNA. Hamilton D, et al. **J Mol Biol** 1981 Oct 15; 152(1):163–9

A derivative of Tn5 with direct terminal repeats can transpose. Hirschel BJ, et al. **J Mol Biol** 1982 Feb 25; 155(2):105–20

Replicon fusions promoted by the inverted repeats of Tn5. The right repeat is an insertion sequence. Isberg RR, et al. **J Mol Biol** 1981 Jul 25;150(1):15–32

Drosophila melanogaster ribosomal DNA containing type II insertions is variably transcribed in different strains and tissues. Kidd SJ, et al. **J Mol Biol** 1981 Oct 5;151(4):645–62

Site–specificity of the chromosomal insertion of Staphylococcus aureus transposon Tn554. Krolewski JJ, et al. **J Mol Biol** 1981 Oct 15;152(1):19–33

Nucleotide sequence of the kanamycin resistance transposon Tn903. Oka A, et al. **J Mol Biol** 1981 Apr 5;147(2):217–26

Transposition of the gene cluster CYC1–OSM1–RAD7 in yeast. Stiles JI, et al. **J Mol Biol** 1981 Jun 5;148(4):331–46

Nucleotide sequence of terminal repeats of 412 transposable elements of Drosophila melanogaster. A similarity to proviral long terminal repeats and its implications for the mechanism of transposition. Will BM, et al. **J Mol Biol** 1981 Dec 25;153(4):897–915

Amplification of a short nucleotide sequence in the repeat units of defective herpes simplex virus type 1 Angelotti DNA. Kaerner HC, et al. **J Virol** 1981 Jul;39(1):75–81

DNA insertion sequences near the insulin gene affect glucose regulation. Owerbach D, et al. **Lancet** 1982 Apr 17; 1(8277):880–3

Isolation and properties of Tn10 insertions in the rac locus of Escherichia coli. Binding R, et al. **MGG** 1981; 183(2):333–40

Recombination between two TnA transposon sequences oriented as inverse repeats is found less frequently than between direct repeats. Chiang SJ, et al. **MGG** 1982; 185(1):169–75

The structure of R1drd19: a revised physical map of the plasmid. Clerget M, et al. **MGG** 1981;181(2):183–91

Transposon Tn951 (TnLac) is defective and related to Tn3. Cornelis G, et al. **MGG** 1981;184(2):241–8

Tn10 insertions directed in the pyr D – ser C region and improved mapping of pep N in Escherichia coli K12. Feutrier J, et al. **MGG** 1982;185(3):518–9

Isolation of an Hfr donor of Pseudomonas aeruginosa PAO by insertion of the plasmid RP1 into the tryptophan synthase gene. Haas D, et al. **MGG** 1981;182(2):240–4

Bidirectional deletions associated with IS4. Habermann P, et al. **MGG** 1982;185(2):216–22

Tn1 insertion mutagenesis in Escherichia coli K–12 using a temperature–sensitive mutant of plasmid RP4. Harayama S, et al. **MGG** 1981;184(1):52–5

Mapping of IS1 elements flanking the argF gene region on the Escherichia coli K–12 chromosome. Hu M, et al. **MGG** 1981;181(2):222–9

The sequence of IS4. Klaer R, et al. **MGG** 1981;181(2):169–75

Site–specific properties of Tn7 transposition into the E. coli chromosome. Lichtenstein C, et al. **MGG** 1981;183(2):380–7

A fine structure map of spontaneous and induced mutations in the lambda repressor gene, including insertions of IS elements. Lieb M. **MGG** 1981;184(3):364–71

The effect of inm mutations of Escherichia coli K12 on transposition of various movable genetic elements. Llyina TS, et al. **MGG** 1981;183(2):376–9

Molecular cloning of the tolC locus of Escherichia coli K–12 with the use of transposon Tn10. Morona R, et al. **MGG** 1981;184(3):430–3

Inactivation of the Serratia marcescens gene for the lipoprotein in Escherichia coli by insertion sequences, IS1 and IS5; sequence analysis of junction points. Nakamura K, et al. **MGG** 1981;183(1):107–14

Cosmid cloning and transposon mutagenesis in Salmonella typhimurium using phage lambda vehicles. Palva ET, et al. **MGG** 1981;181(2):153–7

The I––R system of hybrid dysgenesis in Drosophila melanogaster: are I factor insertions responsible for the mutator effect of the I––R interaction? Pélisson A. **MGG** 1981;183(1):123–9

Integration specificity of an artificial kanamycin transposon constructed by the in vitro insertion of an internal Tn5 fragment into IS2. Saint–Girons I, et al. **MGG** 1981; 183(1):45–50

A new type of IS1–mediated deletion. Sommer H, et al. **MGG** 1981;184(2):300–7

An IS4–encoded protein is synthesized in minicells. Trinks K, et al. **MGG** 1981;182(2):183–8

The tnpR gene product of TnA is required for transposition immunity. Wallace LJ, et al. **MGG** 1981;184(1):87–91

The location of sequences of TnA required for the establishment of transposition immunity. Wallace LJ, et al. **MGG** 1981;184(1):80–6

pED100, a conjugative F plasmid derivative without insertion sequences. Willetts N, et al. **MGG** 1981; 182(3):520–2

Physical mapping of the srl recA region of Escherichia coli: analysis of Tn10 generated insertions and deletions. Willis DK, et al. **MGG** 1981;183(3):497–504

Characterization of P1argF derivatives from Escherichia coli K12 transduction. I. IS1 elements flank the argF gene segment. York MK, et al. **MGG** 1981;181(2):230–40

Modification of MR mutator activity in repair–deficient strains of Drosophila melanogaster. Eeken JC, et al. **Mutat Res** 1981 Sep;83(2):191–200

The 'fold–back'elements of Drosophila [news] Finnegan DJ. **Nature** 1982 May 20;297(5863):181–2

Expression of Tn9–derived chloramphenicol resistance in Bacillus subtilis. Goldfarb DS, et al. **Nature** 1981 Sep 24; 293(5830):309–11

Variant insertion element IS1 generates 8–base pair duplications of the target sequence. Iida S, et al. **Nature** 1981 Nov 26;294(5839):374–6

Activation of transcription of a yeast gene in E. coli by an IS5 element. Jund R, et al. **Nature** 1982 Apr 15; 296(5858):680–1

Inter–replicon transposition of Tn1/3 occurs in two sequential genetically separable steps. Kitts PA, et al. **Nature** 1982 Feb 18;295(5850):626–8

Structural analysis of insertion sequence IS5. Kröger M, et al. **Nature** 1982 May 13;297(5862):159–62

Unique insertion site of Tn7 in the E. coli chromosome. Lichtenstein C, et al. **Nature** 1982 Jun 17;297(5867):601–3

DNA sequence of a foldback transposable element in Drosophila. Potter SS. **Nature** 1982 May 20; 297(5863):201–4

Expression of two proteins from overlapping and oppositely oriented genes on transposable DNA insertion element IS5. Rak B, et al. **Nature** 1982 May 13;297(5862):124–8

Insertion of DNA activates the cryptic bgl operon in E. coli K12. Reynolds AE, et al. **Nature** 1981 Oct 22; 293(5834):625–9

A multicopy insertion sequence in the bovine genome with structural homology to the long terminal repeats of retroviruses. Streeck RE. **Nature** 1982 Aug 19; 298(5876):767–9

Nucleotide sequences at the boundaries between gene and insertion regions in the rDNA of Drosophilia melanogaster. Dawid IB, et al. **Nucleic Acids Res** 1981 Oct 10; 9(19):5011–20

A complex repeated DNA sequence within the Drosophila transposable element copia. Fouts DL, et al. **Nucleic Acids Res** 1981 Dec 21;9(24):7053–64

Insertion sites and the terminal nucleotide sequences of the Tn4 transposon. Hyde DR, et al. **Nucleic Acids Res** 1982 Jul 10;10(13):3981–93

Dissection of the r–determinant of the plasmid R100.1: the sequence at the extremities of Tn21. Zheng ZX, et al. **Nucleic Acids Res** 1981 Dec 11;9(23):6265–78

IS2–IS2 and IS3–IS3 relative recombination frequencies in F integration. Deonier RC, et al. **Plasmid** 1980 Jan; 3(1):48–64

The use of transposons to introduce well–defined deletions in plasmids: possibilities for in vivo cloning. Hille J, et al. **Plasmid** 1981 Jul;6(1):151–4

DNase–resistant transfer of chromosomal cat and tet insertions by filter mating in Pneumococcus. Shoemaker NB, et al. **Plasmid** 1980 Jan;3(1):80–7

Transposition of mercury resistance from a transferable R plasmic of Escherichia coli. Summers AO, et al. **Plasmid** 1980 Jan;3(1):35–47

The insertion sequence IS21 of R68.45 and the molecular basis for mobilization of the bacterial chromosome. Willetts NS, et al. **Plasmid** 1981 Jul;6(1):30–52

Inverted repeats of Tn5 are transposable elements. Berg DE, et al. **Proc Natl Acad Sci USA** 1982 Apr;79(8):2632–5

On the molecular mechanisms of transposition. Galas DJ, et al. **Proc Natl Acad Sci USA** 1981 Aug;78(8):4858–62

DNA sequence organization of IS10–right of Tn10 and comparison with IS10–left. Halling SM, et al. **Proc Natl Acad Sci USA** 1982 Apr;79(8):2608–12

Insertion of a movable genetic element, 297, into the T–A–T–A box for the H3 histone gene in Drosophila melanogaster. Ikenaga H, et al. **Proc Natl Acad Sci USA** 1982 Jul;79(13):4143–7

Transposon–specified site–specific recombination. Kitts P, et al. **Proc Natl Acad Sci USA** 1982 Jan;79(1):46–50

Transposon Tn3 encodes a site–specific recombination

system: identification of essential sequences, genes, and actual site of recombination. Kostriken R, et al. **Proc Natl Acad Sci USA** 1981 Jul;78(7):4041–5

Factors determining frequency of plasmid cointegration mediated by insertion sequence IS1. Machida Y, et al. **Proc Natl Acad Sci USA** 1982 Jan;79(2):277–81

Discrete-length repeated sequences in eukaryotic genomes. Pearson WR, et al. **Proc Natl Acad Sci USA** 1981 Jul; 78(7):4016–20

The Alu family of dispersed repetitive sequences. Schmid CW, et al. **Science** 1982 Jun 4;216(4550):1065–70 (58 ref.)

[Determination of the terminal sequences of the transposon Tn7] Gosti-Testu F, et al. **C R Seances Acad Sci [III]** 1982 Jan 25;294(4):193–6 (Eng. Abstr.) **(Fre)**

[Movable genetic elements in bacteria (author's transl)] Ohtsubo H. **Tanpakushitsu Kukusan Koso** 1982 Apr; 27(5):611–30 (119 ref.) **(Jpn)**

[Migration of the ampicillin transposon in enteropathogenic Escherichia] Voskresenskiĭ AM. **Antibiotiki** 1981 Dec; 26(12):883–5 (Eng. Abstr.) **(Rus)**

[Cloning and study of inserted sequences of gene 28S in Drosophila melanogaster ribosomal RNA] Kolchinskiĭ AM, et al. **Mol Biol (Mosk)** 1982 Mar–Apr;16(2):302–14 (Eng. Abstr.) **(Rus)**

[Migrating and insertion sequences of DNA] Gordienko IV, et al. **Usp Sovrem Biol** 1981 Sep–Oct;92(2):212–27 (142 ref.) **(Rus)**

[Isolation of Vibrio eltor mutants producing melanin and the mapping of the mel locus using transposons] Smirnova NI, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1982 Jun;(6):61–4 (Eng. Abstr.) **(Rus)**

DNA, MITOCHONDRIAL

The kinetoplast of DNA of Trypanosoma gambiense: comparison with the kDNA of Trypanosoma equiperdum. Riou G, et al. **Biochimie** 1981 Oct;63(10):755–65

Mitochondrial nuclei. Kuroiwa T. **Int Rev Cytol** 1982;75:1–59 (218 ref.)

Nucleotide assignment of alkali-sensitive sites in mouse mitochondrial DNA. Brennicke A, et al. **J Biol Chem** 1981 Oct 25;256(20):10613–7

Partial duplication of the large ribosomal RNA sequence in an inverted repeat in circular mitochondrial DNA from Kloeckera africana. Implications for mechanisms of the petite mutation. Clark-Walker GD, et al. **J Mol Biol** 1981 Apr 15;147(3):399–415

Sequence rearrangements between mitochondrial DNAs of Torulopsis glabrata and Kloeckera africana identified by hybridization with six polypeptide encoding regions from Saccharomyces cerevisiae mitochondrial DNA. Clark-Walker GD, et al. **J Mol Biol** 1981 Sep 25; 151(3):367–87

Mitochondrial DNA in Drosophila. An analysis of genome organization and transcription in Drosophila melanogaster and Drosophila virilis. Merten SH, et al. **J Mol Biol** 1981 Nov 25;153(1):1–21

A small polyadenylated RNA (7 S RNA), containing a putative ribosome attachment site, maps near the origin of human mitochondrial DNA replication. Ojala D, et al. **J Mol Biol** 1981 Aug 5;150(2):303–14

Amino acid codes in mitochondria as possible clues to primitive codes. Jukes TH. **J Mol Evol** 1981;18(1):15–7

ANALYSIS

A rapid isotope dilution procedure for estimating the relative proportion of mitochondrial DNA in yeast. Cottrell SF. **Biochim Biophys Acta** 1981 Oct 27;655(3):390–5

Decatenation of the kinetoplast DNA network of trypanosomes by a bacterial DNA-gyrase. Kayser A, et al. **Biochimie** 1982 Apr;64(4):285–8

The characterization of the area of rat mitochondrial DNA containing the large ribosomal RNA gene. Saccone C, et al. **Boll Soc Ital Biol Sper** 1981 Jul 15;57(13):1437–42

Sequence and gene organization of mouse mitochondrial DNA. Bibb MJ, et al. **Cell** 1981 Oct;26(2 Pt 2):167–80

Restriction enzyme analysis of mitochondrial DNA of members of the genus Aspergillus as an aid in taxonomy. Kozłowski M, et al. **J Gen Microbiol** 1982 Mar;128(Pt 3):471–6

Absence of detectable alteration in the kinetoplast DNA of a Trypanosoma brucei clone following loss of ability to infect the insect vector (Glossina morsitans). Hajduk SL, et al. **Mol Biochem Parasitol** 1981 Nov;4(1–2):17–28

Supercoiled mitochondrial DNAs from plant tissue culture cells. Dale RM, et al. **Nucleic Acids Res** 1981 Sep 25; 9(18):4583–93

BIOSYNTHESIS

Evidence for the synchronous replication of mitochondrial DNA during the yeast cell cycle. Cottrell SF, et al. **Biochem Biophys Res Commun** 1981 Aug 31;101(4):1350–6

Genetic and biochemical consequences of thymidylate stress. Barclay BJ, et al. **Can J Biochem** 1982 Mar;60(3):172–84

Replication of animal mitochondrial DNA. Clayton DA. **Cell** 1982 Apr;28(4):693–705 (103 ref.)

Mitochondrial DNA synthesis in Xenopus laevis enucleated eggs. Rinaldi AM, et al. **Cell Biol Int Rep** 1981 Oct; 5(10):987–90

Mitochondrial proliferation during myogenesis. Brunk CF. **Exp Cell Res** 1981 Dec;136(2):305–9

Mechanism of mitochondrial DNA replication in mouse L-cells. Replication of unicircular dimer molecules. Bogenhagen D, et al. **J Mol Biol** 1981 May 5;148(1):77–93

Synthesis of mitochondrial DNA during the cell cycle of the petite negative yeast Schizosaccharomyces pombe. Del Giudice L, et al. **MGG** 1981;182(2):252–4

GENETICS

Mutagenesis and repair in yeast mitochondrial DNA. Moustacchi E, et al. **Basic Life Sci** 1982;20:273–301 (120 ref.)

High-resolution electrophoretic fractionation and partial characterization of the mitochondrial translation products from HeLa cells. Ching E, et al. **Biochemistry** 1982 Jun 22;21(13):3188–95

Restriction endonuclease analysis of mitochondrial DNA from virus-transformed, tumor and control cells of human, hamster and avian origin. Sequence conservation and intraspecific variation. Nass MM. **Biochim Biophys Acta** 1981 Sep 28;655(2):210–20

Determination of nucleotide sequences in DNA. Sanger F. **Biosci Rep** 1981 Jan;1(1):3–18 (38 ref.)

Mitochondrial genome diversity and the evolution of mitochondrial DNA. Gray MW. **Can J Biochem** 1982 Mar; 60(3):157–71 (185 ref.)

On the contribution of the mitochondrial genome to the growth of Chinese hamster embryo cells in culture. Morais R, et al. **Can J Biochem** 1982 Mar;60(3):290–4

Critical sequences within mitochondrial introns: pleiotropic mRNA maturase and cis-dominant signals of the box intron controlling reductase and oxidase. De La Salle H, et al. **Cell** 1982 Apr;28(4):721–32

The Zea mays mitochondrial gene coding cytochrome oxidase subunit II has an intervening sequence and does not contain TGA codons. Fox TD, et al. **Cell** 1981 Nov; 26(3 Pt 1):315–23

Splice points of the third intron in the yeast mitochondrial cytochrome b gene. Lazowska J, et al. **Cell** 1981 Nov;27(1 Pt 2):12–4

Critical sequences within mitochondrial introns: cis-dominant mutations of the 'cytochrome-b-like' intron of the oxidase gene. Netter P, et al. **Cell** 1982 Apr; 28(4):733–8

The mitochondrial genome is large and variable in a family of plants (cucurbitaceae). Ward BL, et al. **Cell** 1981 Sep; 25(3):793–803

The mosaic organization of the apocytochrome b gene of Aspergillus nidulans revealed by DNA sequencing. Waring RB, et al. **Cell** 1981 Nov;27(1 Pt 2):4–11

Highly conserved GC-rich palindromic DNA sequences flank tRNA genes in Neurospora crassa mitochondria. Yin S, et al. **Cell** 1981 Nov;26(3 Pt 1):325–32

Mitochondrial RNAs are abundant in the poly(A)+RNA population of early frog embryos. Dworkin MB, et al. **Dev Biol** 1981 Sep;86(2):502–4

Stability of parental mitochondrial DNA species and expression of nuclear ribosomal RNA genes in mouse-rat hybrid cells. Hayashi JI, et al. **Exp Cell Res** 1982 Apr; 138(2):261–70

Nucleotide sequences of small ribosomal RNA and adjacent transfer RNA genes in rat mitochondrial DNA. Kobayashi M, et al. **Gene** 1981 Dec;16(1-3):297–307

Mitochondrial mutagenesis in Saccharomyces cerevisiae: the origin of mit- mutants. Putrament A, et al. **Genet Res** 1981 Dec;38(3):267–79

Evolutionary relationships among five subspecies of Mus musculus based on restriction enzyme cleavage patterns of mitochondrial DNA. Yonekawa H, et al. **Genetics** 1981 Aug;98(4):801–16

Immunochemical identification of products of the mitochondrial cytochromoxidase gene expressed in E. coli cells. Kisselev V, et al. **Immunol Lett** 1982 Mar;4(3):145–7

Mutations releasing mitochondrial biogenesis from glucose repression in Saccharomyces cerevisiae. Böker-Schmitt E, et al. **J Bacteriol** 1982 Jul;151(1):303–10

Assembly of the mitochondrial membrane system. Processing of the apocytochrome b precursor RNAs in Saccharomyces cerevisiae D273-10B. Bonitz SG, et al. **J Biol Chem** 1982 Jun 10;257(11):6268–74

Cytochrome oxidase subunit III gene in Neurospora crassa mitochondria. Location and sequence. Browning KS, et al. **J Biol Chem** 1982 May 10;257(9):5253–6

Transcriptional initiation and processing of the small ribosomal RNA of yeast mitochondria. Christianson T, et al. **J Biol Chem** 1982 Jun 10;257(11):6494–500

Assembly of the mitochondrial membrane system. Analysis of the nucleotide sequence and transcripts in the oxi1 region of yeast mitochondrial DNA. Coruzzi G, et al. **J Biol Chem** 1981 Dec 25;256(24):12780–7

Characterization of transcripts from the Var1 region on mitochondrial DNA of Saccharomyces cerevisiae. Farrelly F, et al. **J Biol Chem** 1982 Jun 10;257(11):6581–7

Repair of mitochondrial DNA in Saccharomyces cerevisiae. Induction of cytoplasmic petite mutants in a nuclear mutant exhibiting thermosensitive mitochondrial deoxyribonuclease activity. Foury F. **J Biol Chem** 1982 Jan 25;257(2):781–7

Evidence for translated intervening sequences in the mitochondrial genome of Saccharomyces cerevisiae. Hanson DK, et al. **J Biol Chem** 1982 Mar 25;257(6):3218–24

Identification of the paromomycin-resistance mutation in the 15 S rRNA gene of yeast mitochondria. Li M, et al. **J Biol Chem** 1982 May 25;257(10):5921–8

Perturbation by clofibrate of mitochondrial levels in animal cells. Implications for a model of mitochondrial genesis. Lipsky NG, et al. **J Biol Chem** 1982 Feb 10;257(3):1473–81

Selection of the nuclear gene for the mitochondrial adenine nucleotide translocator by genetic complementation of the op1 mutation in yeast. O'Malley K, et al. **J Biol Chem** 1982 Feb 25;257(4):2097–103

Estimating evolutionary distance from restriction maps of mitochondrial DNA with arbitrary G+C content. Aoki K, et al. **J Mol Evol** 1981;18(1):1–8

Mitochondrial DNA sequences of primates: tempo and mode of evolution. Brown WM, et al. **J Mol Evol** 1982; 18(4):225–39

The cloning of Aspergillus nidulans mitochondrial DNA in Escherichia coli on plasmid pBR322. Bartnik E, et al. **MGG** 1981;182(2):332–5

Antimutators of mitochondrial and nuclear DNA in Saccharomyces cerevisiae. Relationship with gamma-ray sensitivity. Bianchi L, et al. **MGG** 1982;185(3):418–23

Cloning of mitochondrial DNA from the petite negative yeast Schizosaccharomyces pombe in the bacterial plasmid pBR322. Del Giudice L. **MGG** 1981;184(3):465–70

Cytoplasmic hybridization in Nicotiana: mitochondrial DNA analysis in progenies resulting from fusion between protoplasts having different organelle constitutions. Galun E, et al. **MGG** 1982;186(1):50–6

Polymorphisms of mitochondrial DNAs in Norway rats (Rattus norvegicus): cleavage site variations and length polymorphism of restriction fragments. Hayashi JI, et al. **MGG** 1981;184(3):337–41

Electron microscopy of native and cloned mitochondrial DNA. Manna F, et al. **MGG** 1981;184(3):469–70

Organization and closing of mitochondrial deoxyribonucleic acid from Paramecium tetraaurelia and Paramecium primaurelia. Cummings DJ, et al. **Mol Cell Biol** 1981 Nov; 1(11):972–82

Fragmentary 5S rRNA gene in the human mitochondrial genome. Nierlich DP. **Mol Cell Biol** 1982 Feb;2(2):207–9

Assignment of two mitochondrially synthesized polypeptides to human mitochondrial DNA and their use in the study of intracellular mitochondrial interaction. Oliver NA, et al. **Mol Cell Biol** 1982 Jan;2(1):30–41

Influence of the nuclear gene tmp3 on the loss of mitochondrial genes in Saccharomyces cerevisiae. Zelikson R, et al. **Mol Cell Biol** 1982 Apr;2(4):457–66

Nuclear mutants of yeast with reduced spontaneous mutability of the mitochondrial genome. Devin AB, et al. **Mutat Res** 1981 Nov;91(6):451–5

Mitochondrial mutagenesis in Saccharomyces cerevisiae. V. Ethyl methanesulfonate. Polakowska R, et al. **Mutat Res** 1981 Nov;84(1):29–36

The origins of replication of the yeast mitochondrial genome and the phenomenon of suppressivity. de Zamaroczy M, et al. **Nature** 1981 Jul 2;292(5818):75–8

Single base substitution in an intron of oxidase gene compensates splicing defects of the cytochrome b gene. Dujardin G, et al. **Nature** 1982 Aug 12;298(5875):628–32

Evidence from mtDNA sequences that common laboratory strains of inbred mice are descended from a single female. Ferris SD, et al. **Nature** 1982 Jan 14;295(5845):163–5

Mitochondrial mosaics-maturases on the move [news] Grivell LA, et al. **Nature** 1982 Aug 19;298(5876):703–4

Evolution of rRNA and origin of mitochondria. Küntzel H, et al. **Nature** 1981 Oct 29;293(5835):751–5

Yeast mitochondrial tRNATrp injected with E. coli activating enzyme into Xenopus oocytes suppresses UGA termination. Martin RP, et al. **Nature** 1981 Sep 17-23; 293(5829):235–7

Similar genes for a mitochondrial ATPase subunit in the nuclear and mitochondrial genomes of Neurospora crassa. van den Boogaart P, et al. **Nature** 1982 Jul 8; 298(5870):187–9

A novel species of double stranded RNA in mitochondria of Saccharomyces cerevisiae. Beilharz MW, et al. **Nucleic Acids Res** 1982 Feb 11;10(3):1051–70

Different nucleotide changes in the large rRNA gene of the mitochondrial DNA confer chloramphenicol resistance on two human cell lines. Blanc H, et al. **Nucleic Acids Res** 1981 Nov 11;9(21):5785–95

Synthesis and processing of ribosomal RNA in isolated yeast mitochondria. Boerner P, et al. **Nucleic Acids Res** 1981 Dec 11;9(23):6379–90

The nucleotide sequences of several tRNA genes from rat mitochondria: common features and relatedness to homologous species. Cantatore P, et al. **Nucleic Acids Res** 1982 May 25;10(10):3279–89

Nucleotide sequence of a region of the mitochondrial genome of Aspergillus nidulans including the gene for ATPase subunit 6. Grisi E, et al. **Nucleic Acids Res** 1982 Jun 11; 10(11):3531–9

RNA synthesis in isolated yeast mitochondria. Groot GS, et al. **Nucleic Acids Res** 1981 Dec 11;9(23):6369–77

Nucleotide sequence of the Aspergillus nidulans mitochondrial gene coding for the small ribosomal subunit RNA: homology to E. coli 16S rRNA. Köchel HG, et al. **Nucleic Acids Res** 1981 Nov 11;9(21):5689–96

The integrated forms of the S1 and S2 DNA elements of maize male sterile mitochondrial DNA are flanked by a large repeated sequence. Lonsdale DM, et al. **Nucleic Acids Res** 1981 Aug 11;9(15):3657–69

Initiation of transcription of genes for mitochondrial

ribosomal RNA in yeast: comparison of the nucleotide sequence around the 5'-ends of both genes reveals a homologous stretch of 17 nucleotides. Osinga KA, et al. **Nucleic Acids Res** 1982 Jun 25;10(12):3617–26

The nucleotide sequence of the large ribosomal RNA gene and the adjacent tRNA genes from rat mitochondria. Saccone C, et al. **Nucleic Acids Res** 1981 Aug 25; 9(16):4139–48

Evidence for ribosomes involved in splicing of yeast mitochondrial transcripts. Schmelzer C, et al. **Nucleic Acids Res** 1982 Jan 22;10(2):513–24

Structure and sequence of the mitochondrial 20S rRNA and tRNA tyr gene of Paramecium primaurelia. Seilhamer JJ, et al. **Nucleic Acids Res** 1981 Dec 11;9(23):6391–406

Nature of an inserted sequence in the mitochondrial gene coding for the 15S ribosomal RNA of yeast. Sor F, et al. **Nucleic Acids Res** 1982 Mar 11;10(5):1625–33

Organization of the mitochondrial ribosomal RNA genes of maize. Stern DB, et al. **Nucleic Acids Res** 1982 Jun 11; 10(11):3333–40

Characterization of two new plasmid DNAs found in mitochondria of wild-type Neurospora intermedia strains. Stohl LL, et al. **Nucleic Acids Res** 1982 Mar 11; 10(5):1439–58

Use of a synthetic DNA oligonucleotide to probe the precision of RNA splicing in a yeast mitochondrial petite mutant. Tabak HF, et al. **Nucleic Acids Res** 1981 Sep 25; 9(18):4475–83

Sequence and properties of the human KB cell and mouse L cell D-loop regions of mitochondrial DNA. Walberg MW, et al. **Nucleic Acids Res** 1981 Oct 24;9(20):5411–21

Phi X 174 gene A protein does not cleave at a mouse mitochondrial DNA sequence homologous to the phi X and G4 cleavage site. Doda JN, et al. **Plasmid** 1981 Nov; 6(3):354–7

Transcription in yeast mitochondria: analysis of the 21 S rRNA region and its transcripts. Locker J, et al. **Plasmid** 1981 Nov;6(3):302–14

Mechanism of mitochondrial DNA replication in mouse L cells: localization of alkali-sensitive sites at the two origins of replication. Margolin K, et al. **Plasmid** 1981 Nov; 6(3):332–41

Synthesis of RNA in isolated mitochondria from Saccharomyces cerevisiae. Newman D, et al. **Plasmid** 1982 Jan;7(1):66–76

Estimation of phylogenetic relationships from DNA restriction patterns and selection of endonuclease cleavage sites. Adams J, et al. **Proc Natl Acad Sci USA** 1982 Jun; 79(11):3560–4

Novel features of animal mtDNA evolution as shown by sequences of two rat cytochrome oxidase subunit II genes. Brown GG, et al. **Proc Natl Acad Sci USA** 1982 May; 79(10):3246–50

Ethnic variation in Hpa 1 endonuclease cleavage patterns of human mitochondrial DNA. Denaro M, et al. **Proc Natl Acad Sci USA** 1981 Sep;78(9):5768–72

Identification and cloning of a yeast nuclear gene (CBP1) involved in expression of mitochondrial cytochrome b. Dieckmann CL, et al. **Proc Natl Acad Sci USA** 1982 Mar; 79(6):1805–9

Elongation of displacement-loop strands in human and mouse mitochondrial DNA is arrested near specific template sequences. Doda JN, et al. **Proc Natl Acad Sci USA** 1981 Oct;78(10):6116–20

Extensive polymorphism in the mitochondrial DNA of apes. Ferris SD, et al. **Proc Natl Acad Sci USA** 1981 Oct; 78(10):6319–23

Suppressor of yeast mitochondrial ochre mutations that maps in or near the 15S ribosomal RNA gene of mtDNA. Fox TD, et al. **Proc Natl Acad Sci USA** 1982 Mar;79(5):1583–7

Properties of a Saccharomyces cerevisiae mtDNA segment conferring high-frequency yeast transformation. Hyman BC, et al. **Proc Natl Acad Sci USA** 1982 Mar;79(5):1578–82

The fate of 8-methoxypsoralen photoinduced crosslinks in nuclear and mitochondrial yeast DNA: comparison of wild-type and repair-deficient strains. Magaña-Schwencke N, et al. **Proc Natl Acad Sci USA** 1982 Mar;79(6):1722–6

A mitochondrial locus is necessary for the synthesis of mitochondrial tRNA in the yeast Saccharomyces cerevisiae. Martin NC, et al. **Proc Natl Acad Sci USA** 1981 Aug;78(8):4743–7

In vitro reconstruction of the mitochondrial translation system of yeast. Pfisterer J, et al. **Proc Natl Acad Sci USA** 1981 Aug;78(8):4917–21

Replication of linear mitochondrial DNA from Paramecium: sequence and structure of the initiation-end crosslink. Pritchard AE, et al. **Proc Natl Acad Sci USA** 1981 Dec; 78(12):7341–5

Extrachromosomal mutator inducing point mutations and deletions in mitochondrial genome of fission yeast. Seitz-Mayr G, et al. **Proc Natl Acad Sci USA** 1982 Apr; 79(8):2618–22

Replication and expression of a bacterial--mitochondrial hybrid plasmid in the fungus Podospora anserina. Stahl U, et al. **Proc Natl Acad Sci USA** 1982 Jun;79(11):3641–5

Mitochondrial DNA analysis of mouse-rat hybrid cells: effect of chloramphenicol selection on the relative amounts of parental mitochondrial DNAs. Hayashi J, et al. **Somatic Cell Genet** 1982 Jan;8(1):67–81

[Mitochondrial 'chromosome' of animal cells: structural and functional originality] Brun G, et al. **Biochimie** 1982 May; 64(5):III–X (46 ref.) **(Fre)**

[Hormonal control of expression of the mitochondrial genome region in animal cells] Minchenko AG. **Probl Endokrinol (Mosk)** 1981;27(6):74–9 (Eng. Abstr.) **(Rus)**

ISOLATION & PURIFICATION

Isolation of mitochondrial DNA from Macropus giganteus. Oakley KM. **Aust J Exp Biol Med Sci** 1982 Apr;60(Pt 2):211–4

Structural homogeneity of mitochondrial DNA in the mitochondrial nucleoid of Physarum polycephalum. Kawano S, et al. **Biochim Biophys Acta** 1982 Mar 29; 696(3):290–8

[Isolation of intact supercoiled mitochondrial DNA from the yeast Saccharomyces cerevisiae] Larionov VL, et al. **Mol Biol (Mosk)** 1982 Mar-Apr;16(2):363–8 (Eng. Abstr.) **(Rus)**

METABOLISM

Interaction of benzo(a)pyrene and its dihydrodiol-epoxide derivative with nuclear and mitochondrial DNA in C3H10T 1/2 cell cultures. Backer JM, et al. **Cancer Res** 1982 Jul;42(7):2764–9

Mitochondrial translation products of yeast mutants resistant to mucidin. Subik J, et al. **Folia Microbiol (Praha)** 1981; 26(4):300–2

Characterization of a rat liver mitochondrial DNA-protein complex. Replicative intermediates are protected against branch migrational loss. Van Tuyle GC, et al. **J Biol Chem** 1981 Dec 25;256(24):12772–9

In situ photochemical crosslinking of HeLa cell mitochondrial DNA by a psoralen derivative reveals a protected region near the origin of replication. DeFrancesco L, et al. **Nucleic Acids Res** 1981 Nov 25; 9(22):6017–30

Preferential attack of mitochondrial DNA by aflatoxin B1 during hepatocarcinogenesis. Niranjan BG, et al. **Science** 1982 Jan 1;215(4528):73–5

PHYSIOLOGY

Is cell aging caused by respiration-dependent injury to the mitochondrial genome? Fleming JE, et al. **Gerontology** 1982;28(1):44–53 (53 ref.)

RADIATION EFFECTS

[Repair of mitochondrial DNA after x-ray irradiation of teleost fish loach Misgurnus fossillis eggs] Mikhailov VS, et al. **Mol Biol (Mosk)** 1981 Jan-Feb;15(1):154–60 (Eng. Abstr.) **(Rus)**

DNA, NEOPLASM

Requirements for induction of DNA strand breaks by lithocholic acid. Kulkarni MS, et al. **Cancer Res** 1982 Jul; 42(7):2792–5

In vivo effects of several anthracyclines on DNA integrity. Londos-Gagliardi D, et al. **FEBS Lett** 1982 Jun 1; 142(1):17–22

A transforming gene present in human sarcoma cell lines. Marshall CJ, et al. **Nature** 1982 Sep 9;299(5879):171–3

ANALYSIS

Nuclear DNA content and the number of Barr bodies in premalignant and malignant lesions of the uterine cervix. Nishiya I, et al. **Acta Cytol (Baltimore)** 1981 Jul-Aug; 25(4):407–11

DNA template activity in rat brain tumors induced by transplacental administration of ethylnitrosourea. Hara H, et al. **Acta Pathol Jpn** 1982 Jul;32(4):595–603

Reproducibility of the cellular DNA-distribution patterns in multiple fine needle aspirates from human malignant tumors. Azavedo E, et al. **Acta Pathol Microbiol Immunol Scand [A]** 1982 Jan; 90(1):79–83

Flow cytometric DNA analysis of anal canal epithelium and ano-rectal tumours. Fenger C, et al. **Acta Pathol Microbiol Scand [A]** 1981 Sep;89(5):351–5

Flow cytofluorometric DNA analyses of metastases of human malignant melanomas. Hansson J, et al. **Anal Quant Cytol** 1982 Jun;4(2):99–104

Expectation values for low-resolution slit-scan flow prescreening: influence of nuclear shape and DNA density. Mullaney PF, et al. **Anal Quant Cytol** 1982 Jun;4(2):115–22

Flow cytometry of lung carcinoma: a comparison of DNA stemline and cell cycle distribution with histology. Olszewski W, et al. **Anal Quant Cytol** 1982 Jun;4(2):90–8

Quantitative DNA determinations by image analysis. I. Application to human pulmonary cytology. Pak HY, et al. **Anal Quant Cytol** 1982 Jun;4(2):95–104

Nuclear DNA measurements in squamous cell carcinoma of the lung: a guide for prognostic evaluation. Blöndal T, et al. **Anticancer Res** 1981;1(2):79–86

DNA distribution in various parts of malignant gliomas assayed on stereotactic biopsies. Boëthius J, et al. **Appl Neurophysiol** 1980;43(3-5):216–21

Cytophotometric determinations of DNA, histone, arginine, lysine, and their concentrations in eu- and heterochromatin of the cell nucleus of dysplasias, carcinoma in situ, and carcinoma of the human cervix uteri. Herzog RE. **Arch Gynecol** 1982;231(2):91–8

Diversity of rat strains and tumor lines of DNA fragments homologous to an amplified 5.8 kilobase ECO R1 fragment of Novikoff hepatoma cells. Rothblum LI, et al. **Biochem Biophys Res Commun** 1981 Jul 30;101(2):639–44

Vulvar intraepithelial neoplasia: correlation of nuclear DNA content and the presence of a human papilloma virus (HPV) structural antigen. Crum CP, et al. **Cancer** 1982 Feb 1; 49(3):468–71

Adenocarcinoma and mixed carcinoma of the uterine cervix. II. Prognostic value of nuclear DNA analysis. Fu YS, et al. **Cancer** 1982 Jun 15;49(12):2571–7

Prognostic factors in chondrosarcoma: a comparative study of cellular DNA content and clinicopathologic features. Kreicbergs A, et al. **Cancer** 1982 Aug 1;50(3):577–83

Flow cytometry of breast carcinoma: I. Relation of DNA ploidy level to histology and estrogen receptor. Olszewski W, et al. **Cancer** 1981 Aug 15;48(4):980–4

Effects of intralesional interferon on neuroblastoma: changes in histology and DNA content distribution of tumor masses. Sawada T, et al. **Cancer** 1981 Nov 15;48(10):2143–6

DNA content of condyloma acuminatum. Shevchuk MM, et al. **Cancer** 1982 Feb 1;49(3):489–92

Cytogenetic analysis and flow cytometric DNA measurement of a human tumor with pronounced hypodiploidy. Petersen SE, et al. **Cancer Genet Cytogenet** 1981 Aug;4(1):1–9

Extremely underwound chromosomal DNA in nucleoids of mouse sarcoma cells. Hartwig M, et al. **Cancer Lett** 1981 Jul;13(2):153–8

Actions of cis-diamminedichloroplatinum on cell surface nucleic acids in cancer cells as determined by cell electrophoresis techniques. Juckett DA, et al. **Cancer Res** 1982 Sep;42(9):3565–73

Simultaneous analysis of DNA and cell surface immunoglobulin in human B-cell lymphomas by flow cytometry. Kruth HS, et al. **Cancer Res** 1981 Dec;41(12 Pt 1):4895–9

The application of flow cytometry for the quantification of the response of experimental tumors to irradiation. Beck HP, et al. **Cytometry** 1981 Jul;2(1):44–6

DNA content and kinetic characteristics of non-Hodgkin's lymphoma: determined by flow cytometry and autoradiography. Costa A, et al. **Cytometry** 1981 Nov; 2(3):185–8

Biophysical identification and sorting of high metastatic variants from B16 melanoma tumor. Lessin SR, et al. **Cytometry** 1982 May;2(6):407–13

Flow cytometric analysis of cellular DNA in human acute nonlymphatic leukemias and dysmyelopoietic syndromes. Maiolo AT, et al. **Cytometry** 1982 Jan;2(4):265–7

Cytometric evidence of cytogenetic and proliferative heterogeneity of human solid tumors. Nervi C, et al. **Cytometry** 1982 Mar;2(5):303–8

Cell cycle kinetics of irradiated synchronous and asynchronous tumor cells with DNA distribution analysis and BrdUrd-Hoechst 33258-technique. Nüsse M. **Cytometry** 1981 Sep;2(2):70–9

Identification of integrated hepatitis B virus DNA sequences in human hepatocellular carcinomas. Shafritz DA, et al. **Hepatology** 1981 Jan-Feb;1(1):1–8

Nuclear feulgen DNA content and nuclear size in human breast carcinoma. Fossa SD, et al. **Hum Pathol** 1982 Jul; 13(7):626–30

Identification of a unique mouse mammary tumor virus in the BALB/cNIV mouse strain. Puma JP, et al. **J Virol** 1982 Jul;43(1):158–65

Characterization of AKR murine leukemia virus sequences in AKR mouse substrains and structure of integrated recombinant genomes in tumor tissues. Quint W, et al. **J Virol** 1981 Jul;39(1):1–10

Comparative study on the nuclear DNA content of leiomyoma, leiomyoblastoma and leiomyosarcoma of the stomach and small intestine. Kimura O, et al. **Jpn J Surg** 1981;11(6):428–32

Pituitary tumor producing only thyrotropin. A case report. Anniko M, et al. **ORL J Otorhinolaryngol Relat Spec** 1982; 44(3):134–41

Episomal simian virus 40 genomes in human brain tumors. Krieg P, et al. **Proc Natl Acad Sci USA** 1981 Oct; 78(10):6446–50

Human papillomavirus DNA in cutaneous primary and metastasized squamous cell carcinomas from patients with epidermodysplasia verruciformis. Ostrow RS, et al. **Proc Natl Acad Sci USA** 1982 Mar;79(5):1634–8

DNA pattern and cytological findings in fine-needle aspirates of untreated prostatic tumors. A flow-cytofluorometric study. Rönström L, et al. **Prostate** 1981;2(1):79–88

Levels of polyamines and nucleic acids in human breast carcinoma. Romano M, et al. **Tumori** 1981 Oct 31; 67(5):431–5

DNA profile and tumour progression in patients with superficial bladder tumours. Gustafson H, et al. **Urol Res** 1982 Feb;10(1):13–8

Shifts in the extent and patterns of DNA methylation upon explanation and subcultivation of adenovirus type 12-induced hamster tumor cells. Kuhlmann I, et al. **Virology** 1982 Apr 15;118(1):169–80

Mouse mammary tumor virus DNA sequences in tumorigenic and nontumorigenic cells from a mammary adenocarcinoma. Morris VL, et al. **Virology** 1982 Apr 15; 118(1):117–27

[Treatment of marked epithelial dysplasia of esophagus. II. Microspectophotometric studies on DNA content in

epithelial cells of esophagus treated with antitumor B III or tilorone (author's transl)] Lin PZ.
Chung Hua Chung Liu Tsa Chih 1981 Nov;3(4):245–8 (Eng. Abstr.) **(Chi)**

[The cytokinetic effects of harringtonine on leukemia L1210 cells. II. Studies by microscopic photometer (author's transl)] Wang YC, et al.
Chung Hua Chung Liu Tsa Chih 1980 Dec;2(4):247–50 (Eng. Abstr.) **(Chi)**

[Comparison of quantative estimation of DNA with two kinds of nuclear area estimation in acute leukemia (author's transl)] Zhao SC. **Chung Hua Nei Ko Tsa Chih** 1981 Dec; 20(12):735–9 **(Chi)**

[The measurement of DNA in material obtained by cyto-puncture of the prostate. Diagnostic, prognostic and therapeutic value (author's transl)] Bouffioux C.
J Urol (Paris) 1982;88(2):111–5 (Eng. Abstr.) **(Fre)**

[Cytospectrophotometry in the grading of malignant breast tumors] Lazzari G, et al.
Ann Osp Maria Vittoria Torino 1980 Jan–Jun; 23(1–6):112–25 (Eng. Abstr.) **(Ita)**

[Structure and biological properties of DNA of Galliera sarcoma. II. Chromatography of native DNA on hydroxyapatite in the presence of ethidium bromide] Cherchi GM, et al. **Pathologica** 1980 Sep–Oct; 72(1021):629–43 (Eng. Abstr.) **(Ita)**

[Structure and biological properties of the DNA of Galliera sarcoma. III. chromatography on hydroxyapatite of DNA (H3) of neoplastic cells and fibroblasts cultured in vitro in the presence of ethidium bromide] Coinu R, et al.
Pathologica 1980 Sep–Oct;72(1021):645–52 (Eng. Abstr.) **(Ita)**

[Clinicopathological studies of DNA content in nuclei of cells isolated from patients with esophageal carcinoma (author's transl)] Hiratsuka R. **Fukuoka Igaku Zasshi** 1981 Oct; 72(10):556–74 (Eng. Abstr.) **(Jpn)**

[Clinical significations of G2–M stage partial synchronization on radiation therapies of uterine cervical carcinomas (author's transl)] Sasaki H.
Nippon Gan Chiryo Gakkai Shi 1981 Dec 20;16(7):1456–67 (Eng. Abstr.) **(Jpn)**

[Flow cytometric studies of human brain tumors. Part 2: Human benign brain tumors (author's transl)] Kawamoto K, et al. **No Shinkei Geka** 1981 Aug;9(9):1017–22 (Eng. Abstr.) **(Jpn)**

[Relationship between nuclear feulgen-DNA content and 67Ga uptake in patients with malignant thyroid tumors (author's transl)] Higashi T, et al. **Radioisotopes** 1982 Jan; 31(1):42–3 **(Jpn)**

[Prognostic importance of DNA histograms of bone marrow cells in acute myeloblastic leukemias] Janowska-Wieczorek A, et al. **Acta Haematol Pol** 1981 Jul–Dec;12(3–4):171–4 (Eng. Abstr.) **(Pol)**

[Cytophotometric study of human strains of carcinoma of the large intestine, stomach and liver transplanted in nude mice. Part 1] Revazova ES, et al. **Lab Delo** 1981;(9):550–2 (Eng. Abstr.) **(Rus)**

[Cytophotometric study of human strains of chorionepithelioma, melanoma, Ewing's sarcoma and breast cancer that are transplantable to athymic mice. II] Revazova ES, et al. **Lab Delo** 1981;(11):668–9 (Eng. Abstr.) **(Rus)**

[Variability in the DNA content in the progeny of the clonogenic cells from transplantable rat rhabdomyosarcoma] Kaminskaia EV, et al. **Tsitologiia** 1981 Jul;23(7):811–7 (Eng. Abstr.) **(Rus)**

[DNA content: changes in the cell nuclei of throat cancer as affected by radiation therapy] Avtandilov GG, et al. **Vopr Onkol** 1982;28(4):3–6 **(Rus)**

ANTAGONISTS & INHIBITORS

Specificity of tumor cell stimulation of DNA inhibitory cytokine production in vitro. Kieler J, et al.
Anticancer Res 1981;1(4):235–41

[Cytotoxic changes in the nucleic acid content in a culture of tumor and normal cells as affected by a complex preparation from Bacillus mesentericus AB–56] Khomiak OG, et al. **Mikrobiol Zh** 1981 Sep–Oct;43(5):650–6 (Eng. Abstr.) **(Rus)**

BIOSYNTHESIS

The transformation of cell growth and transmogrification of DNA synthesis by simian virus 40. Martin RG.
Adv Cancer Res 1981;34:1–68 (564 ref.)

Measurements of DNA synthesis and estrogen receptor in needle aspirates as powerful methods in the management of mammary carcinoma. Nordenskjöld B, et al.
Adv Enzyme Regul 1980;19:489–96

The incorporation of 5-fluoro-2'-deoxyuridine into DNA of mammalian tumor cells. Danenberg PV, et al.
Biochem Biophys Res Commun 1981 Sep 30;102(2):654–8

A mouse temperature-sensitive mutant defective in H1 histone phosphorylation is defective in deoxyribonucleic acid synthesis and chromosome condensation. Yasuda H, et al. **Biochemistry** 1981 Jul 21;20(15):4414–9

Inhibition of thymidylate synthase by hydroxyurea in rapidly proliferating P815 mastocytoma cells. Boehm TL, et al.
Biochim Biophys Acta 1982 Jan 26;696(1):52–6

Influence of glycosaminoglycans on endogenous DNA synthesis in isolated normal and cancer cell nuclei. Differential effect of heparin. Furukawa K, et al.
Biochim Biophys Acta 1982 Jun 30;697(3):344–52

DNA synthesis in thymic-acute lymphoblastic leukaemia. Piga A, et al. **Br J Haematol** 1981 Aug;48(4):585–94

CC-1065 (NSC 298223), a most potent antitumor agent: kinetics of inhibition of growth, DNA synthesis, and cell survival. Bhuyan BK, et al. **Cancer Res** 1982 Sep; 42(9):3532–7

Different activities of unscheduled DNA synthesis in human melanoma and bone marrow cells. Lewensohn R, et al.
Cancer Res 1982 Jan;42(1):84–8

5-Fluorouracil incorporation in DNA of human breast carcinoma cells. Major PP, et al. **Cancer Res** 1982 Aug; 42(8):3005–9

RNA:DNA and the enhanced growth of murine fibrosarcoma. Kravetz de Srulijes L, et al.
Cell Mol Biol 1981;27(5):495–8

DNA synthesis and cell generation pattern of chronic lymphatic leukaemia lymphocytes stimulated by phytohaemagglutinin. Matera L, et al. **Cell Tissue Kinet** 1981 Nov;14(6):633–8

Dose-dependent suppression of DNA synthesis in vitro as a predictor of clinical response in adult acute myeloblastic leukemia. Dosik GM, et al. **Eur J Cancer** 1981 May; 17(5):549–55

Effects of cytosine arabinoside on DNA synthesis as predictor for acute myelocytic leukemia (AML) patients' response to chemotherapy. Epstein J, et al.
Eur J Cancer 1981 Jun;17(6):623–8

Pregnancy stimulates DNA synthesis in R3230AC mammary adenocarcinoma. Orloski JM, et al.
Eur J Cancer Clin Oncol 1982 Jan;18(1):99–106

Selective inhibition of in vitro synthesis of cancer DNA by alkaloids of beta-carboline class. Beljanski M, et al.
Exp Cell Biol 1982;50(2):79–87

Dual nature of newly replicated chromatin. Evidence for nucleosomal and non-nucleosomal DNA at the site of native replication forks. Annunziato AT, et al.
J Biol Chem 1981 Nov 25;256(22):11880–6

Antitumor agents XLVI: In vitro effects of esters of brusatol, bisbrusatol, and related compounds on nucleic acid and protein synthesis of P-388 lymphocytic leukemia cells. Hall IH, et al. **J Pharm Sci** 1982 Mar;71(3):345–8

Antitumor agents LII: The effects of molephantinin on nucleic acid and protein synthesis of Ehrlich ascites cells. Hall IH, et al. **J Pharm Sci** 1982 Jun;71(6):687–90

Human malignant melanoma heterotransplanted to nude mice. Tropé C, et al. **Neoplasma** 1981;28(5):585–91

Metabolism of dITP in HeLa cell extracts, incorporation into DNA by isolated nuclei and release of hypoxanthine from DNA by a hypoxanthine-DNA glycosylase activity. Myrnes B, et al. **Nucleic Acids Res** 1982 Jun 25; 10(12):3693–701

SCE and UDS studies in a family with retinoblastoma: a case study. Fabricant JD, et al.
Teratogenesis Carcinog Mutagen 1982;2(1):85–90

Inhibition of cellular DNA synthesis and lack of antileukemic activity by non-photoactivated hematoporphyrin derivative. Franco P, et al. **Tumori** 1981 May–Jun; 67(3):183–9

[Effect of harringtonine and its allied alkaloids on DNA synthesis in mice bearing leukemias P388. L615 and normal mice (author's transl)] Xu YT, et al.
Chung Kuo Yao Li Hsueh Pao 1981 Dec;2(4):252–6 (Eng. Abstr.) **(Chi)**

[Inhibition of DNA synthesis in peripheral leukemic cells by cytosine-arabinoside; attempt at deriving therapeutic application] Schleusner A, et al. **Folia Haematol (Leipz)** 1981;108(2):218–25 **(Ger)**

[DNA synthesis in PHA-stimulated lymphocyte cultures from Hodgkin's disease patients and their changes following splenectomy and the effect of chemotherapy treatment using the MOPP scheme] Cadel Z.
Nowotwory 1981 Jul–Dec;31(3–4):191–8 (Eng. Abstr.) **(Pol)**

[Nucleic acid synthesis in the cells of some ascites tumors induced by change in ionic homeostasis] Kaz'min SD.
Biokhimiia 1981 Jul;46(7):1226–35 (Eng. Abstr.) **(Rus)**

[Effect of various chemotherapeutic agents on DNA synthesis in the cells of human strains of breast and laryngeal cancer, chorionepithelioma and Wilms' tumor] Revazova ES. **Biull Eksp Biol Med** 1981 Oct;91(10):469–71 (Eng. Abstr.) **(Rus)**

[DNA reparative synthesis in cattle blood lymphocytes normally and in chronic lympholeukemia] Azizov IuM, et al. **Izv Akad Nauk SSSR [Biol]** 1982;(2):293–7 (Eng. Abstr.) **(Rus)**

[Reaction of mouth neoplasms to radiotherapy in relation to their proliferative activity] Karakulov RK, et al.
Med Radiol (Mosk) 1982 Mar;27(3):16–23 (Eng. Abstr.) **(Rus)**

[Autoradiographic study of DNA synthesis in the gastric epithelium in precancerous diseases] Sizikov AI, et al.
Vopr Onkol 1981;27(10):19–22 (Eng. Abstr.) **(Rus)**

BLOOD

A comparison of DNA and DNA-binding protein levels in malignant disease. Leon SA, et al. **Eur J Cancer** 1981 May; 17(5):533–8

Oestrogen receptor assay—limitation of the method. Poulsen HS. **Eur J Cancer** 1981 May;17(5):495–501

GENETICS

The small chromatin fragments released by micrococcal nuclease from hepatoma tissue cultured cell nuclei are strongly enriched in coding DNA sequences and are related to an actively transcribed single-stranded DNA fraction. Kitzis A, et al. **Biochim Biophys Acta** 1982 Apr 26; 697(1):60–70

The significance of ploidy and proliferation in the clinical and biological evaluation of bladder tumours: a study of 100 untreated cases. Tribukait B, et al. **Br J Urol** 1982 Apr;54(2):130–5

Stage-specific transforming genes of human and mouse B- and T-lymphocyte neoplasms. Lane MA, et al. **Cell** 1982 Apr;28(4):873–80

Three different human tumor cell lines contain different oncogenes. Murray MJ, et al. **Cell** 1981 Aug;25(2):355–61

Identification of a phosphoprotein specifically induced by the transforming DNA of rat neuroblastomas. Padhy LC, et al. **Cell** 1982 Apr;28(4):865–71

Isolation of a transforming sequence from a human bladder carcinoma cell line. Shih C, et al. **Cell** 1982 May;29(1):161–9

Differential inhibition of transcription of DNA by melanoma chromosomal proteins. Lambert MW, et al.
J Invest Dermatol 1982 Jun;78(6):498–502

Human oncogenes [editorial] **Lancet** 1982 Jul 24; 2(8291):195–6

A suggested mechanism for changing tumor cell phenotype: transfection of host cells with DNA sequences of dead tumor cells. Klein BY. **Med Hypotheses** 1981 May; 7(5):645–50

Onc gene amplification in promyelocytic leukaemia cell line HL–60 and primary leukaemic cells of the same patient. Favera RD, et al. **Nature** 1982 Sep 2;299(5878):61–3

Isolation and preliminary characterization of a human transforming gene from T24 bladder carcinoma cells. Goldfarb M, et al. **Nature** 1982 Apr 1;296(5856):404–9

Cancer genes--processed genes--jumping genes [news] Newmark P. **Nature** 1982 Apr 1;296(5856):393–4

Human EJ bladder carcinoma oncogene is homologue of Harvey sarcoma virus ras gene. Parada LF, et al.
Nature 1982 Jun 10;297(5866):474–8

The oncogenic circle closes [news] Rigby PW. **Nature** 1982 Jun 10;297(5866):451–3

The myc oncogene in man and birds [news] Weiss R.
Nature 1982 Sep 2;299(5878):9–10

Expression of plant tumor-specific proteins in minicells of Escherichia coli: a fusion protein of lysopine dehydrogenase with chloramphenicol acetyltransferase. Schröder J, et al. **Nucleic Acids Res** 1981 Oct 24; 9(20):5187–202

mRNA in human cells contains sequences complementary to the Alu family of repeated DNA. Calabretta B, et al.
Proc Natl Acad Sci USA 1981 Oct;78(10):6003–7

Detection of genes coding for human differentiation markers by their transient expression after DNA transfer. Chang LJ, et al. **Proc Natl Acad Sci USA** 1982 Jan;79(1):146–50

Transforming genes of human bladder and lung carcinoma cell lines are homologous to the ras genes of Harvey and Kirsten sarcoma viruses. Der CJ, et al.
Proc Natl Acad Sci USA 1982 Jun;79(11):3637–40

Amplified DNA sequences in Y1 mouse adrenal tumor cells: association with double minutes and localization to a homogeneously staining chromosomal region. George DL, et al. **Proc Natl Acad Sci USA** 1982 Mar;79(5):1597–601

Manifold expression of new cellular genes in human lymphoid neoplasia. Hanania N, et al.
Proc Natl Acad Sci USA 1981 Oct;78(10):6504–8

Non-immunoglobulin-associated DNA rearrangements in mouse plasmacytomas. Harris LJ, et al.
Proc Natl Acad Sci USA 1982 Jul;79(13):4175–9

High-frequency cotransfer of the transformed phenotype and a tumor-specific transplantation antigen by DNA from the 3-methylcholanthrene-induced Meth A sarcoma of BALB/c mice. Hopkins N, et al.
Proc Natl Acad Sci USA 1981 Dec;78(12):7555–9

Activation of related transforming genes in mouse and human mammary carcinomas. Lane MA, et al.
Proc Natl Acad Sci USA 1981 Aug;78(8):5185–9

Transcription of the simian virus 40 genome in DNA-transformed murine teratocarcinoma stem cells. Linnenbach A, et al. **Proc Natl Acad Sci USA** 1981 Oct; 78(10):6386–90

Oncogenes in human tumor cell lines: molecular cloning of a transforming gene from human bladder carcinoma cells. Pulciani S, et al. **Proc Natl Acad Sci USA** 1982 May; 79(9):2845–9

DNA transfer of focus- and tumor-forming ability into nontumorigenic CHEF cells. Smith BL, et al.
Proc Natl Acad Sci USA 1982 Mar;79(6):1964–8

Cancer cell genes linked to viral onc genes [news] Marx JL.
Science 1982 May 14;216(4547):724

IMMUNOLOGY

[Physico-chemical and immunologic properties of the tissue DNA of mice with oncornavirus-induced leukemia] Chamova KG, et al. **Biull Eksp Biol Med** 1981 Jul; 92(7):60–2 (Eng. Abstr.) **(Rus)**

[DNA from retrovirus D-infected cells and from human tumors: an inducer of the synthesis of a new nonvirion antigen] Kosiakova NP, et al. **Vopr Virusol** 1982 Mar–Apr; 27(2):230–4 (Eng. Abstr.) **(Rus)**

ISOLATION & PURIFICATION

Non-random distribution of N-methyl-N-nitrosourea sensitive sites in a eukaryotic genome. Werner D, et al. **Chem Biol Interact** 1981 Nov;37(3):279–87

Amount and distribution of 5-methylcytosine in human DNA from different types of tissues of cells. Ehrlich M, et al. **Nucleic Acids Res** 1982 Apr 24;10(8):2709–21

METABOLISM

DNA modification and repair in the experimental induction of nervous system tumors by chemical carcinogens. Kleihues P, et al. **Ann NY Acad Sci** 1982;381:290–303

DNA content and kinetic features in non-Hodgkin's lymphomas: flow cytometric and autoradiographic analysis. Costa A. **Basic Appl Histochem** 1981;25(4):311–2

Incorporation of metabolites of 2'-fluoro-5-iodo-1-beta-D-arabinofuranosylcytosine into deoxyribonucleic acid of neoplastic and normal mammalian tissues. Grant AJ, et al. **Biochem Pharmacol** 1982 Mar 15; 31(6):1103–8

Instability of (ara-C) DNA under alkaline conditions. Major PP, et al. **Biochem Pharmacol** 1982 Mar 1;31(5):861–6

Repair of deoxyribonucleic acid lesions caused by adriamycin and ellipticine. Ross WE, et al. **Biochem Pharmacol** 1982 May 15;31(10):1931–5

DNA double-stranded breaks in mammalian cells after exposure to intercalating agents. Ross WE, et al. **Biochim Biophys Acta** 1981 Jun 26;654(1):129–34

DNA content of human kidney carcinoma cells in relation to histological grading. Baisch H, et al. **Br J Cancer** 1982 Jun;45(6):878–86

DNA damage by anthracycline drugs in human leukemia cells. Schwartz HS, et al. **Cancer Lett** 1981 Sep; 13(4):309–13

Repair of DNA alkylation induced in L1210 leukemia and murine bone marrow by three chloroethylnitrosoureas. Ahlgren JD, et al. **Cancer Res** 1982 Jul;42(7):2605–8

Molecular pharmacology of the anthracycline drug 9,10-anthracenedicarboxaldehyde bis[(4,5-dihydro-1 H-imidazol-2-yl)hydrazone] dihydrochloride (Cl 216,942). Bowden GT, et al. **Cancer Res** 1982 Jul;42(7):2660–5

Generation of tumor cells with reduced DNA content as a result of macrophage tumoricidal activity. Connolly KM, et al. **Cancer Res** 1982 Jun;42(6):2198–206

Similarities in the formation and removal of covalent DNA adducts in benzo(a)pyrene-treated BALB/3T3 variant cells with different induced transformation frequencies. Lo KY, et al. **Cancer Res** 1982 Jul;42(7):2644–50

DNA damage and selective toxicity of dopa and ascorbate:copper in human melanoma cells. Parsons PG, et al. **Cancer Res** 1982 Sep;42(9):3783–8

Hormone sensitivity of the R3327-G rat prostate adenocarcinoma: growth rate, DNA content, and hormone receptors. Pollack A, et al. **Cancer Res** 1982 Jun; 42(6):2184–90

Treatment of small-cell carcinoma of the lung monitored by sequential flow cytometric DNA analysis. Vindeløv LL, et al. **Cancer Res** 1982 Jun;42(6):2499–505

The cellular DNA content and profile of dimethyl nitrosamine induced marine lung tumors in relation to their histopathology. Digernes V. **Carcinogenesis** 1981;2(3):195–8

Effects of 5-methylnicotinamide on mouse L1210 cells exposed to N-methyl-N-nitrosourea: mutation induction, formation and removal of methylation products in DNA, and unscheduled DNA synthesis. Durrant LG, et al. **Carcinogenesis** 1981;2(10):1013–7

The role of formaldehyde in methylene dimethanesulphonate-induced DNA cross-links and its relevance to cytotoxicity. Bedford P, et al. **Chem Biol Interact** 1981 Dec;38(1):119–28

The significance of DNA cross-linking to cis-diamminedichloroplatinum(II)-induced cytotoxicity in sensitive and resistant lines of murine leukemia L1210 cells. Strandberg MC, et al. **Chem Biol Interact** 1982 Mar 15; 39(2):169–80

DNA damage in AML cell exposed to adriamycin; correlations with clinical response to therapy. Schwartz HS, et al. **Leuk Res** 1981;5(4–5):363–6

DNA strand breaks and repair synthesis in Yoshida sarcoma: cells with differential sensitivities to bi-functional alkylating agents and UV light. Carr FJ, et al. **Mutat Res** 1981 Sep;83(2):233–49

Nucleic acid metabolism of bladder carcinoma cells in vitro. Koiso K, et al. **Urol Res** 1982;10(2):71–4

[Flow cytometric determination of DNA distribution patterns of malignant and benign tumors of the prostate (author's transl)] Lämmel A, et al. **Urologe [Ausg A]** 1981 Nov;20(6):400–4 (Eng. Abstr.) **(Ger)**

[Tumor affinity and DNA interactions of 57Co-bleomycin (author's transl)] Kakinuma J, et al. **Radioisotopes** 1982 Apr; 31(4):175–8 (Eng. Abstr.) **(Jpn)**

[Effect of various chemotherapeutic agents on the synthesis and distribution of DNA in human strains of kidney and lung cancer, melanoma and Ewing's sarcoma transplanted to athymic mice] Revazova ES, et al. **Biull Eksp Biol Med** 1981 Oct;91(10):471–3 (Eng. Abstr.) **(Rus)**

[Comparative characteristics of histologic types of stomach cancer according to the nuclear DNA content of tumor cells] Zhdanov AS, et al. **Biull Eksp Biol Med** 1981 Oct; 91(10):467–9 **(Rus)**

[Comparative analysis of lung, stomach and breast cancers on the basis of findings of quantitative DNA and oxidoreductase histochemistry] Serov VV, et al. **Vestn Akad Med Nauk SSSR** 1981;(12):39–49 (Eng. Abstr.) **(Rus)**

[Effect of preoperative chemotherapy on the DNA content in ovarian serous cystadenocarcinomas] Irzhanov SI, et al. **Vopr Onkol** 1981;27(8):49–52 **(Rus)**

PHARMACODYNAMICS

Enhancement of the biological activities of deoxyribonucleic acid extracted from canine venereal tumours. Anekwe GE. **Afr J Med Med Sci** 1980 Sep–Dec;9(3–4):103–9

RADIATION EFFECTS

Radiation-induced dissociation of stable DNA-protein complexes in Ehrlich ascites carcinoma cells. Juhász PP, et al. **Int J Radiat Biol** 1982 Jul;42(1):13–21

DNA polymerase alpha and beta activity in gamma-irradiated HeLa S3 cells. Leadon SA, et al. **Int J Radiat Biol** 1981 Aug;40(2):195–204

Are inducible components involved in the repair of irradiated neuronal and brain tumour DNA? Wheeler KT, et al. **Int J Radiat Biol** 1981 Sep;40(3):293–6

An alkaline separation method for detection of small amount of DNA damage. Sakai K, et al. **J Radiat Res (Tokyo)** 1981 Dec;22(4):415–24

DNA strand breaks and repair synthesis in Yoshida sarcoma: cells with differential sensitivities to bi-functional alkylating agents and UV light. Carr FJ, et al. **Mutat Res** 1981 Sep;83(2):233–49

Comparative action spectra for pyrimidine dimer formation in cloudman S91 mouse melanoma and EMT6 mouse mammary carcinoma cells. Hill HZ, et al. **Photochem Photobiol** 1982 May;35(5):681–4

Structural changes in mammalian cell DNA induced by low-dose x-ray damage and subsequent postirradiation incubation in the presence and absence of caffeine. Wun KL, et al. **Radiat Res** 1982 May;90(2):310–20

DNA NICKING-CLOSING PROTEINS see **DNA UNTWISTING PROTEINS**

DNA NUCLEOTIDYLEXOTRANSFERASE see under **DNA NUCLEOTIDYLTRANSFERASES**

DNA NUCLEOTIDYLTRANSFERASES

An improved procedure for utilizing terminal transferase to add homopolymers to the 3' termini of DNA. Deng G, et al. **Nucleic Acids Res** 1981 Aug 25;9(16):4173–88

ANALYSIS

Evaluation of methods of detecting terminal deoxynucleotidyl transferase in human hematologic malignancies. Comparison of immunofluorescence and enzymatic assays. Cibull ML, et al. **Am J Clin Pathol** 1982 Apr;77(4):420–3

Determination of terminal deoxynucleotidyl transferase on bone marrow smears by immunoperoxidase. Stass SA, et al. **Am J Clin Pathol** 1982 Feb;77(2):174–6

Simultaneous evaluation for terminal deoxynucleotidyl transferase and myeloperoxidase in leukemia. Folds JD, et al. **Am J Hematol** 1982 Jun;12(4):391–6

Detection of terminal transferase in paraffin sections with the immunoperoxidase technique. Halverson CA, et al. **Am J Pathol** 1981 Dec;105(3):241–54

Prognostic significance of terminal transferase and adenosine deaminase in acute and chronic myeloid leukemia. Bertazzoni U, et al. **Blood** 1982 Sep;60(3):685–92

Diagnosis of meningeal involvement in patients with acute lymphoblastic leukemia: immunofluorescence for terminal transferase. Bradstock KF, et al. **Cancer** 1981 May 15; 47(10):2478–81

Terminal deoxynucleotidyl transferase. Kurec AS, et al. **Hum Pathol** 1981 Oct;12(10):867–9

Enrichment of cell populations containing terminal deoxynucleotidyl transferase activity by free flow electrophoresis. Sarin PS, et al. **Int J Cancer** 1982 May 15;29(5):501–6

Induction of lymphocyte differentiation by epidermal cultures. Rubenfeld MR, et al. **J Invest Dermatol** 1981 Aug; 77(2):221–4

Terminal transferase in various kinds of leukemia cells and its usefulness as a marker enzyme for vincristine and prednisolone treatment. Sakamoto S, et al. **Nippon Ketsueki Gakkai Zasshi** 1981 Feb;44(1):43–52

Characteristics of the blastic crisis with terminal deoxynucleotidyl transferase positive blasts in chronic granulocytic leukemia. Sawada H, et al. **Nippon Ketsueki Gakkai Zasshi** 1981 Jul;44(4):872–80

Expression of common acute lymphoblastic leukaemia antigen and terminal deoxynucleotidyl transferase in normal mononuclear blood cells during diffusion chamber culture. Jäger G, et al. **Scand J Haematol** 1981 Jul;27(1):5–8

[Detection of 'terminal deoxynucleotidyl transferase' (TdT) by indirect immunofluorescence, an essential tool in the diagnosis of leukemia] Boileau J, et al. **Union Med Can** 1982 Apr;111(4):370–3 (Eng. Abstr.) **(Fre)**

[Identification of TdT positive cells by indirect immunofluorescence technique and its application for the diagnosis of hematological disorders (author's transl)] Hida K, et al. **Nippon Ketsueki Gakkai Zasshi** 1981 Sep; 44(5):1028–36 (Eng. Abstr.) **(Jpn)**

[Clinical significance of identification of TdT-positive cells by indirect immunofluorescence assay in bone marrow cells from patients with chronic myelogenous leukemia (author's transl)] Hida K, et al. **Nippon Ketsueki Gakkai Zasshi** 1981 Nov;44(6):1139–46 (Eng. Abstr.) **(Jpn)**

[Enzyme markers in leukemic disorders] Nomura T. **Nippon Rinsho** 1981 Aug;39(8):2768–72 (30 ref.) **(Jpn)**

BLOOD

Clinical relevance of terminal transferase and adenosine deaminase in leukemia. Brusamolino E, et al. **Adv Exp Med Biol** 1982;145:279–303

Normal mononuclear blood cells in diffusion chambers: occurrence of cALLA and TdT. Jäger G, et al. **Adv Exp Med Biol** 1982;145:371–5

Enzymatic properties in pericellular membranes of leukemic cells. Losa G. **Adv Exp Med Biol** 1982;145:377–84

TdT in adult acute lymphoblastic leukemia: relationship with blast cell count. Baccarani M, et al. **Haematologica (Pavia)** 1981 Oct;66(5):579–87

Terminal deoxynucleotidyl transferase (TdT) and membrane receptors in human leukemia and lymphoma — first experience with lyophilized cells. Wetter O, et al. **Klin Wochenschr** 1981 Apr 15;59(8):365–75

Therapeutic and prognostic implications of glucocorticoid receptors and terminal deoxynucleotidyl transferase in acute leukemia. Ho AD, et al. **Leuk Res** 1982;6(1):1–8

Phenotypic changes in a case of blast crisis of CML: characterization by TdT, cytochemistry, and cytogenetics. Paietta E, et al. **Scand J Haematol** 1981 Oct;27(4):241–6

[An improved assay for terminal deoxynucleotidyl transferase (TdT) activity (author's transl)] Dan S, et al. **Nippon Ketsueki Gakkai Zasshi** 1981 Nov;44(6):1131–8 (Eng. Abstr.) **(Jpn)**

GENETICS

Cell-free translation of the messenger RNA for calf terminal deoxynucleotidyltransferase. Wolf SC, et al. **J Biol Chem** 1982 Apr 25;257(8):4013–5

ISOLATION & PURIFICATION

Structure of calf thymus terminal deoxynucleotidyl transferase. Chang LM, et al. **Adv Exp Med Biol** 1982; 145:25–35

Purification and characterization of multiple forms of terminal transferase from human leukemic cells. Deibel MR Jr, et al. **Adv Exp Med Biol** 1982;145:37–60

Purification of terminal deoxynucleotidyl transferase from pig thymus: identification of 42,000 and 57, 000 dalton species. Kaneda T, et al. **Adv Exp Med Biol** 1982;145:13–8

Purification of terminal deoxynucleotidyl transferase of 60,000 dalton from mammalian thymus and thymoma immunoadsorbent column and comparison of peptide structures. Nakamura H, et al. **Adv Exp Med Biol** 1982; 145:19–23

Purification and properties of chick terminal deoxynucleotidyl transferase (TdT). Pénit C, et al. **Adv Exp Med Biol** 1982;145:61–73

Purification of terminal deoxynucleotidyl transferase from pig thymus: identification of 42,000 and 57,000 dalton species. Kaneda T, et al. **J Biochem (Tokyo)** 1981 Nov; 90(5):1421–7

Proteolytic degradation of calf thymus terminal deoxynucleotidyl transferase. Chang LM, et al. **J Biol Chem** 1982 May 25;257(10):5700–6

METABOLISM

Terminal transferase in immunology and leukemia. International workshop, European Molecular Biology Organization, Elba, Italy, May 28–31, 1981. **Adv Exp Med Biol** 1982;145:1–393

Development of antibodies and immunological methods for terminal transferase assay. Bollum FJ. **Adv Exp Med Biol** 1982;145:101–8

Terminal transferase: past to present. Bollum FJ. **Adv Exp Med Biol** 1982;145:1–11

Effect of nucleosides on human T and B lymphoblastoid cell lines. Breviario D, et al. **Adv Exp Med Biol** 1982;145:193–9

Studies of terminal deoxynucleotidyl transferase in normal and neoplastic human cells. Campagnari F, et al. **Adv Exp Med Biol** 1982;145:305–20

Terminal deoxynucleotidyl transferase in human fetal tissues. Casoli C, et al. **Adv Exp Med Biol** 1982;145:185–91

Use of immunofluorescence tests for TdT in human hematologic malignancy. Coleman MS, et al. **Adv Exp Med Biol** 1982;145:109–14

Restriction analysis of cloned heteropolymeric DNA synthesized in vitro by TdT. Damiani G, et al. **Adv Exp Med Biol** 1982;145:75–80

Effects of biological response modifiers on the growth and differentiation of terminal deoxynucleotidyl transferase containing lymphocytes. Goldschneider I. **Adv Exp Med Biol** 1982;145:133–55

Ontogeny of terminal deoxynucleotidyl transferase containing lymphocytes in rats and mice. Goldschneider I. **Adv Exp Med Biol** 1982;145:115–32

Prognostic significance of terminal transferase activity and

other factors in childhood acute lymphoblastic leukemia. Hutton JJ, et al. **Adv Exp Med Biol** 1982;145:243–57
Nuclear terminal deoxynucleotidyl transferase (TdT) in leukemic infiltrates of testicular tissue. Janossy G, et al. **Adv Exp Med Biol** 1982;145:321–30
Terminal transferase positive cells in the human bone marrow and thymus. Janossy G, et al. **Adv Exp Med Biol** 1982; 145:161–76
The Bollum enzyme in leukemia and lymphoma cells: the first decade. McCaffrey R, et al. **Adv Exp Med Biol** 1982; 145:221–41
TdT–positive and TdT–negative human leukemic cells: specific density and morphology. Marini M, et al. **Adv Exp Med Biol** 1982;145:357–70
The prognostic significance of terminal deoxynucleotidyl transferase (TDT) in patients with leukemias and malignant lymphomas. Mertelsmann R. **Adv Exp Med Biol** 1982; 145:259–77
Phenotypic changes during blast crisis of CML characterized by occurrence and loss of TDT. Paietta E, et al. **Adv Exp Med Biol** 1982;145:331–6
Disappearance of nuclear TdT in RPMI–8402 following TPA treatment. Sacchi N, et al. **Adv Exp Med Biol** 1982; 145:177–83
Enrichment of terminal deoxynucleotidyl transferase activity by cell separation. Sarin PS, et al. **Adv Exp Med Biol** 1982; 145:337–56
Hybrids between myeloma cells and thymocytes – and attempt to approach the biological function of terminal transferase. Transy C, et al. **Adv Exp Med Biol** 1982; 145:207–19
Terminal deoxynucleotidyl transferase help DNA polymerase alpha bypass thymine dimer. Yoshida S, et al. **Adv Exp Med Biol** 1982;145:81–5
Phosphorylation of terminal deoxynucleotidyl transferase in leukemic cells. Elias L, et al. **Biochem Biophys Res Commun** 1982 May 31;106(2):458–65
Nuclear terminal deoxynucleotidyl transferase in leukaemic infiltrates of testicular tissue. Thomas JA, et al. **Br J Cancer** 1982 May;45(5):709–17
Terminal transferase expression in relapsed acute myeloid leukaemia. Bradstock KF, et al. **Br J Haematol** 1981 Dec; 49(4):621–7
Clinical utility of leukemia cell terminal transferase measurements. McCaffrey R, et al. **Cancer Res** 1981 Nov; 41(11 Pt 2):4814–20 (49 ref.)
Terminal deoxynucleotidyl transferase activity in childhood and adult acute lymphoblastic leukaemia. Proctor SJ, et al. **J Clin Pathol** 1981 Aug;34(8):892–5
Distribution of terminal deoxynucleotidyl transferase and purine degradative and synthetic enzymes in subpopulations of human thymocytes. Ma DD, et al. **J Immunol** 1982 Oct;129(4):1430–5
Two cases of acute myelogenous leukemia with high terminal deoxynucleotidyl transferase activity responding to vincristine–prednisolone treatment with complete remission. Takaku F, et al. **Jpn J Med** 1981 Jul;20(3):227–31
Immunocytochemical method for the detection of terminal deoxynucleotidyl transferase in acute leukemia. Ho AD, et al. **Klin Wochenschr** 1982 May 3;60(9):451–5 (13 ref.)
Modulation of terminal deoxynucleotidyl transferase activity by thymosin. Hu SK, et al. **Mol Cell Biochem** 1981 Dec 4;41:49–58
[Terminal deoxynucleotidyl transferase – its significance and use in clinical practice [editorial] Mačák J. **Vnitr Lek** 1982 Jul;28(7):715–7 **(Cze)**
[Terminal DNA nucleotidyltransferase in blastic crisis in myelocytic leukemia] Rudzka E, et al. **Acta Haematol Pol** 1981 Apr–Jun;12(2):97–101 (Eng. Abstr.) **(Pol)**

PHYSIOLOGY

[Inside view of lymphocyte differentiation] Thomas G. **Biochimie** 1982 Jan;64(1):IX–XV (31 ref.) **(Fre)**

RADIATION EFFECTS

Terminal deoxynucleotidyl transferase activity in the regenerating thymus of x–irradiated mice. Daculsi R, et al. **Thymus** 1982 Jan;4(1):45–55

DNA PHOTOLYASE see under **LYASES**

DNA POLYMERASE I see under **DNA POLYMERASES**

DNA POLYMERASE II see under **DNA POLYMERASES**

DNA POLYMERASE III see under **DNA POLYMERASES**

DNA POLYMERASES

Determination of deoxyribonucleoside triphosphates using DNA polymerase: a critical evaluation. Hunting D, et al. **Can J Biochem** 1981 Sep;59(9):723–7
Escherichia coli DNA polymerase I. Sequence characterization and secondary structure prediction. Brown WE, et al. **J Biol Chem** 1982 Feb 25;257(4):1965–72
Structural homology among calf thymus alpha–polymerase polypeptides. Albert W, et al. **Nucleic Acids Res** 1982 Feb 11;10(3):935–46
Accessory proteins for DNA polymerase alpha activity with single–strand DNA templates. Lamothe P, et al. **Proc Natl Acad Sci USA** 1981 Aug;78(8):4723–7
[Structure and chain elongation mechanism of DNA polymerases from animal cells (author's transl)] Matsukage A, et al. **Tanpakushitsu Kakusan Koso** 1981 Aug; 26(10):1495–521 (119 ref.) **(Jpn)**

ANALYSIS

Methods and clinical relevance of terminal deoxynucleotidyl transferase determination in leukemic cells. Mertelsmann R, et al. **Hamatol Bluttransfus** 1981;26:68–72
Dane particle DNA polymerase and HBeAg: impact on clinical, laboratory, and histologic findings in hepatitis B–associated chronic liver disease. Andres LL, et al. **Hepatology** 1981 Nov–Dec;1(6):583–5
Intracellular localization of human DNA polymerase alpha with monoclonal antibodies. Bensch KG, et al. **J Biol Chem** 1982 Jul 25;257(14):8391–6
Properties of DNA polymerases from young and ageing human fibroblasts. Murray V. **Mech Ageing Dev** 1981; 16(4):327–43

ANTAGONISTS & INHIBITORS

Inhibitor studies of phage T4 wild–type and mutant DNA polymerases. II. Differential inhibition by pyridoxal 5'–phosphate. Jantschak J, et al. **Acta Virol (Praha)** 1982 Jan;26(1–2):50–5
Inhibitors of DNA polymerases: their selectivity and mode of action. Chandra P, et al. **Adv Exp Med Biol** 1982; 145:87–100
Mechanism of action and selectivity of acyclovir. Elion GB. **Am J Med** 1982 Jul 20;73(1A):7–13 (14 ref.)
Induction of alkaline phosphatase and the glycoprotein hormone alpha subunit in HeLa cells by inhibitors of DNA polymerase. Cox GS, et al. **Arch Biochem Biophys** 1982 Jun;216(1):234–46
Inhibition of DNA polymerase alpha by bleomycin. FitzGerald G, et al. **Biochem Biophys Res Commun** 1981 Aug 14;101(3):734–9
Aphidicolin sensitivity of variant 3T6 cells selected for changes in ribonucleotide reductase. Nicander B, et al. **Biochem Biophys Res Commun** 1981 Nov 16;103(1):148–55
Differential inactivation of DNA polymerases alpha and beta by aldehyde compounds. Suzuki K, et al. **Biochem Biophys Res Commun** 1981 Jun;100(4):1626–33
Inhibition of a novel subspecies of DNA polymerase alpha by 2'–deoxy–2'–azidoadenosine 5'–triphosphate. Yagura T, et al. **Biochem Biophys Res Commun** 1982 Feb 26; 104(4):1189–95
Differential inhibition of rat liver DNA polymerases in vitro by direct–acting carcinogens and the protective effect of a thiol reducing agent. Chan JY, et al. **Biochem J** 1981 Mar 1;193(3):985–90
Aphidicolin does not inhibit DNA repair synthesis in ultraviolet–irradiated HeLa cells. A radioautographic study. Hardt N, et al. **Biochem J** 1981 Nov 1;199(2):453–5
Inhibition of deoxyribonucleic acid polymerases from murine cells and oncornavirus by 5–alkylated derivatives of 1–beta–D–arabinofuranosyluracil 5'–triphosphate: substituent effects on inhibitory action. Ono K, et al. **Biochemistry** 1981 Aug 18;20(17):5088–93
Inhibitory effects of various 5–halogenated derivatives of 1–beta–D–arabinofuranosyluracil 5'–triphosphate on DNA polymerases from murine cells and oncornavirus: substituent effects on inhibitory action. Ono K, et al. **Biochemistry** 1982 Mar 2;21(5):1019–24
Inhibition of DNA polymerase by captan. Dillwith JW, et al. **Biochim Biophys Acta** 1982 Mar 29;696(3):245–52
Pyrophosphate analogues as inhibitors of DNA polymerases of cytomegalovirus, herpes simplex virus and cellular origin. Eriksson B, et al. **Biochim Biophys Acta** 1982 Feb 26;696(2):115–23
Differential effect of N–carboxymethylisatoylation on the DNA polymerase activity, the 5' leads to 3'–exonuclease activity and the 3' leads to 5'–exonuclease activity of DNA polymerase I of Escherichia coli. Kienow H, et al. **Biochim Biophys Acta** 1981 Jul 27;654(2):187–93
Eukaryotic DNA repair is blocked at different steps by inhibitors of DNA topoisomerases and of DNA polymerases alpha and beta. Mattern MR, et al. **Biochim Biophys Acta** 1982 Apr 26;697(1):6–13
Divalent cation–dependent pyridoxal 5'–phosphate inhibition of Rauscher leukemia virus DNA polymerase: characterization and mechanism of action. Modak MJ, et al. **Biochim Biophys Acta** 1981 Jul 27;654(2):227–35
Differential responses of log and stationary phase human fibroblasts to inhibition of DNA repair by aphidicolin. Snyder RD, et al. **Biochim Biophys Acta** 1982 May 31; 697(2):229–34
Inhibition in vitro of yeast DNA polymerase I activity by beta–blockers. Presta M, et al. **Biosci Rep** 1982 Jan; 2(1):55–62
DNA strand breaks caused by inhibitors of DNA synthesis: 1–beta–D–arabinofuranosylcytosine and aphidicolin. Fram RJ, et al. **Cancer Res** 1982 Oct;42(10):4050–3
Altered sensitivity to 1–beta–D–arabinofuranosylcytosine 5'–triphosphate of DNA polymerase alpha from leukemic blasts of acute lymphoblastic leukemia. TAnaka M, et al. **Cancer Res** 1982 Feb;42(2):649–53
Comparison of the actions of 9–beta–D–arabinofuranosyl–2–fluoroadenine and 9–beta–D–arabinofuranosyladenine on target enzymes from mouse tumor cells. White EL, et al. **Cancer Res** 1982 Jun; 42(6):2260–4
Caffeine inhibits DNA polymerase I from Escherichia coli: studies in vitro. Balachandran R, et al. **Carcinogenesis** 1982; 3(2):151–3
Aphidicolin: an inhibitor of DNA repair in human fibroblasts. Waters R. **Carcinogenesis** 1981;2(8):795–7
The effects of aphidicolin, an inhibitor of DNA replication, on sea urchin development. Brachet J, et al. **Exp Cell Res** 1981 Sep;135(1):179–89
DNA repair synthesis in plant protoplasts is aphidicolin–resistant. Sala F, et al. **FEBS Lett** 1982 Feb 22;138(2):213–7
The effect of aphidicolin on the rate of DNA replication and unscheduled DNA synthesis of Bloom syndrome and normal fibroblasts. Giannelli F, et al. **Hum Genet** 1982; 60(4):357–9
Inhibition of DNA polymerases alpha and gamma by rifamycin derivative AF/013. Yagura T, et al. **J Biochem (Tokyo)** 1981 Nov;90(5):1397–403
Inhibition of purified human and herpes simplex virus–induced DNA polymerases by 9–(2–hydroxyethoxymethyl)guanine triphosphate. Effects on primer–template function. Derse D, et al. **J Biol Chem** 1981 Nov 25;256(22):11447–51
Differential inhibition of DNA polymerase and RNase H activities of the reverse transcriptase by phosphonoformate. Margalith M, et al. **Mol Cell Biochem** 1982 Mar 19; 43(2):97–103
Nucleoside analogues with clinical potential in antivirus chemotherapy. The effect of several thymidine and 2'–deoxycytidine analogue 5'–triphosphates on purified human (alpha, beta) and herpes simplex virus (types 1, 2) DNA polymerases. Ruth JL, et al. **Mol Pharmacol** 1981 Sep;20(2):415–22
In vitro biological activity of 9–beta–D–arabinofuranosyl–2–fluoroadenine and the biochemical actions of its triphosphate on DNA polymerases and ribonucleotide reductase from HeLa cells. Tseng WC, et al. **Mol Pharmacol** 1982 Mar;21(2):474–7
Effect of post–treatment with aphidicolin – a specific inhibitor of DNA polymerase alpha – on sister–chromatid exchanges induced by ethyl methanesulfonate. Nishi Y, et al. **Mutat Res** 1982 Feb;103(2):155–9
Mechanism of action of antileukemic agents: inhibition of DNA polymerases. Tanaka M, et al. **Nippon Ketsueki Gakkai Zasshi** 1980 Dec;43(6):996–1003
Aphidicolin inhibits DNA synthesis by DNA polymerase alpha and isolated nuclei by a similar mechanism. Krokan H, et al. **Nucleic Acids Res** 1981 Sep 25;9(18):4709–19
Characterization of the effect of aphidicolin on adenovirus DNA replication: evidence in support of a protein primer model of initiation. Pincus S, et al. **Nucleic Acids Res** 1981 Oct 10;9(19):4919–38
Probable involvement of a glycoconjugate in IMR–32 DNA synthesis: decrease of DNA polymerase alpha 2 activity after tunicamycin treatment. Bhattacharya P, et al. **Proc Natl Acad Sci USA** 1982 Mar;79(5):1488–91
Mechanism of inhibition of Epstein–Barr virus replication by phosphonoformic acid. Datta AK, et al. **Virology** 1981 Oct 15;114(1):52–9
Inhibition cyclic guanosine 3':5'–monophosphate of the soluble DNA polymerase activity, and of partially purified DNA polymerase A (DNA polymerase I) from the yeast Saccharomyces cerevisiae. Eckstein H. **Z Naturforsch [C]** 1981 Sep–Oct;36(9–10):813–9
[Inhibition of hepatitis B virus associated DNA polymerase by antiviral agents: in vitro studies with clinical implications (author's transl)] Hess G, et al. **Z Gastroenterol** 1981 Jul;19(7):338–44 (Eng. Abstr.) **(Ger)**

BIOSYNTHESIS

DNA–polymerase induced by Herpesvirus papio (HVP) in cells of lymphoblastoid cultures derived from lymphomatous baboons. Report V. Djachenko AG, et al. **Exp Pathol** 1981;20(1):51–7
Biosynthesis of DNA polymerase beta in chick embryonic cells. Yamaguchi M, et al. **J Biol Chem** 1982 Apr 10; 257(7):3932–6
Baculovirus induction of a DNA polymerase. Miller LK, et al. **J Virol** 1981 Oct;40(1):305–8
[Biosynthesis of early enzymes induced by bacteriophage T4] Vaitkiavichene RS, et al. **Biokhimiia** 1981 Sep; 46(9):1596–602 (Eng. Abstr.) **(Rus)**

BLOOD

The relationship of hepatitis B e antigen, DNA polymerase activity, and titer of hepatitis B surface antigen with ongoing liver injury in chronic hepatitis B virus infection. Perrillo R, et al. **Am J Gastroenterol** 1982 Jul;77(7):445–9
Effects of immunosuppressive therapy on viral markers in chronic active hepatitis B. Scullard GH, et al. **Gastroenterology** 1981 Dec;81(6):987–91
Relevance of HBe/anti–HBe system and DNA polymerase activity in chronic hepatitis–B virus carriers on haemodialysis. A prospective study. Marchesini G, et al. **Nephron** 1981;29(1–2):44–8
[Lymphocyte DNA–polymerase activity in the blood of cattle normally and in chronic lympholeukemia] Kovalevskiĭ NA, et al. **Izv Akad Nauk SSSR [Biol]** 1981

Nov-Dec;(6):899-909 (Eng. Abstr.) (Rus)

GENETICS

Polymerase infidelity and frameshift mutation. Ripley LS, et al. **Basic Life Sci** 1982;20:161-78

Depurination of DNA as a possible mutagenic pathway for cells. Schaaper RM, et al. **Basic Life Sci** 1982;20:199-211

Isolation of polA mutation that affects transposition of insertion sequences and transposons. Clements MB, et al. **Cold Spring Harbor Symp Quant Biol** 1980;45 Pt 1:201-4

A temperature-sensitive mutant isolated from mouse FM3A cells defective in DNA replication at a non-permissive temperature. Hyodo M, et al. **Exp Cell Res** 1982 Jan; 137(1):31-8

Powerful mutator activity of the polA1 mutation within the histidine region of Escherichia coli K-12. Savić DJ, et al. **J Bacteriol** 1982 Mar;149(3):955-60

Mutants of Shigella sonnei deficient in DNA polymerase I. Hase T, et al. **J Biochem (Tokyo)** 1981 Jul;90(1):149-55

Characterization of the DNA polymerases induced by a group of herpes simplex virus type I variants selected for growth in the presence of phosphonoformic acid. Derse D, et al. **J Biol Chem** 1982 Sep 10;257(17):10251-60

Temperature-sensitive mutants in two distinct complementation groups of herpes simplex virus type 1 specify thermolabile DNA polymerase. Purifoy DJ, et al. **J Gen Virol** 1981 May;54(Pt 1):219-22

Kinetic basis of spontaneous mutation. Misinsertion frequencies, proofreading specificities and cost of proofreading by DNA polymerases of Escherichia coli. Fersht AR, et al. **J Mol Biol** 1982 Mar 25;156(1):37-51

Influence of diverse gene 43 DNA polymerases on the incorporation and replication in vivo of 2-aminopurine at A X T base-pairs in bacteriophage T4. Ripley LS. **J Mol Biol** 1981 Aug 5;150(2):197-216

Mutations in the herpes simplex virus DNA polymerase gene can confer resistance to 9-beta-D-arabinofuranosyladenine. Coen DM, et al. **J Virol** 1982 Mar;41(3):909-18

Cloning and expression of bacteriophage SP02 DNAZ polymerase gene L in Bacillus subtilis, using the Staphylococcus aureus plasmid pC194. Rutberg L, et al. **J Virol** 1981 Aug;39(2):407-12

Mutagenesis during transformation of Bacillus subtilis. II. An increase in chemically-induced mutations during competency. Rudner R. **Mutat Res** 1981 Oct;83(3):339-47

Cellular and Epstein-Barr virus specific DNA polymerases in virus-producing Burkitt's lymphoma cell lines. Allaudeen HS, et al. **Nucleic Acids Res** 1982 Apr 10; 10(7):2453-65

Respiration responses of a polA1 and a tif-1 mutant of Escherichia coli to far-ultraviolet irradiation. Swenson PA. **Photochem Photobiol** 1981 Jun;33(6):855-9

The interaction of a gene (nur) controlling near-UV sensitivity and the polA1 gene in strains of E. coli K12. Tuveson RW. **Photochem Photobiol** 1981 Jun;33(6):919-23

The dnaN gene codes for the beta subunit of DNA polymerase III holoenzyme of escherichia coli. Burgers PM, et al. **Proc Natl Acad Sci USA** 1981 Sep;78(9):5391-5

Evolutionary conservation of DNA polymerase beta structure. Chang LM, et al. **Proc Natl Acad Sci USA** 1982 Feb;79(3):758-61

Evidence that a high molecular weight replicative DNA polymerase is conserved during evolution. Hübscher U, et al. **Proc Natl Acad Sci USA** 1981 Nov;78(11):6771-5

Functional cooperation of the dnaE and dnaN gene products in Escherichia coli. Kuwabara N, et al. **Proc Natl Acad Sci USA** 1981 Sep;78(9):5764-7

Isolation of an altered form of DNA polymerase I from Escherichia coli cells induced for recA/lexA functions. Lackey D, et al. **Proc Natl Acad Sci USA** 1982 Jan; 79(2):330-4

Evidence for control of herpes simplex virus mutagenesis by the viral DNA polymerase. Hall JD, et al. **Virology** 1982 Jan 30;116(2):535-43

[Genetic activity of para-aminobenzoic acid. The intensification of DNA polymerase I-dependent repair induced by chemical mutagens in toluene-treated Escherichia coli cells] Vasil'eva SV, et al. **Genetika (Moskva)** 1982 Mar;18(3):392-8 (Eng. Abstr.) (Rus)

IMMUNOLOGY

Preparation and preliminary characterization of monoclonal antibodies against human DNA polymerase alpha. Tanaka S, et al. **J Biol Chem** 1982 Jul 25;257(14):8386-90

ISOLATION & PURIFICATION

Characterization of DNA polymerases from the mammary gland of pregnant rabbit. Kleczkowska D, et al. **Acta Biochim Pol** 1981;28(1):61-70

Purification of a 9S DNA polymerase alpha species from calf thymus. Grosse F, et al. **Biochemistry** 1981 Sep 15; 20(19):5470-5

Characterization of the Epstein-Barr virion-associated DNA polymerase as isolated from superinfected and drug-stimulated cells. Clough W, et al. **Biochim Biophys Acta** 1981 Nov 27;656(1):76-85

Identification of a polypeptide component of mouse myeloma DNA polymerase gamma. Matsukage A, et al. **Biochim Biophys Acta** 1981 Oct 27;655(3):269-77

Purification involving polymin P fractionation of Escherichia coli DNA polymerase III which shows a high sedimentation constant. Kobayashi Y, et al. **FEBS Lett** 1982 Feb 22;138(2):221-5

A simple and efficient method for the isolation of DNA polymerase I from bacteria. Wähnert U. **FEBS Lett** 1981 Jun 29;129(1):185-7

A third DNA polymerase from Spiroplasma citri and two other spiroplasmas. Charron A, et al. **J Bacteriol** 1982 Mar; 149(3):1138-41

Glutamine synthetase in preparations of RNA polymerase of Escherichia coli: a novel purification procedure. Takahashi T, et al. **J Biochem (Tokyo)** 1982 May; 91(5):1719-24

Mouse DNA polymerase accompanied by a novel RNA polymerase activity: purification and partial characterization. Yagura T, et al. **J Biochem (Tokyo)** 1982 Feb;91(2):607-18

DNA polymerase-alpha. Common polypeptide core structure of three enzyme forms from human KB cells. Filpula D, et al. **J Biol Chem** 1982 Feb 25;257(4):2029-40

Purification and characterization of DNA polymerase III'. Identification of tau as a subunit of the DNA polymerase III holoenzyme. McHenry CS. **J Biol Chem** 1982 Mar 10; 257(5):2657-63

10 S DNA polymerase alpha of calf thymus shows a microheterogeneity in its large polypeptide component. Masaki S, et al. **J Biol Chem** 1982 Jun 25;257(12):7172-7

The isolation and characterization of DNA polymerase alpha from spinach. Misumi M, et al. **J Biol Chem** 1982 Mar 10; 257(5):2323-9

Chick embryo DNA polymerase alpha. Polypeptide components and their microheterogeneity. Yamaguchi M, et al. **J Biol Chem** 1982 Apr 25;257(8):4484-9

Genetic evidence for vaccinia virus-encoded DNA polymerase: isolation of phosphonoacetate-resistant enzyme from the cytoplasm of cells infected with mutant virus. Moss B, et al. **J Virol** 1982 Aug;43(2):673-8

Properties of DNA polymerases from young and ageing human fibroblasts. Murray V. **Mech Ageing Dev** 1981; 16(4):327-43

[DNA polymerase in the microsomal fraction of the myeloblasts of chickens infected with avian myeloblastosis virus] Bartnikowa W. **Acta Haematol Pol** 1980 Oct-Nov; 11(4):229-38 (Eng. Abstr.) (Pol)

METABOLISM

Terminal deoxynucleotidyl transferase help DNA polymerase alpha bypass thymine dimer. Yoshida S, et al. **Adv Exp Med Biol** 1982;145:81-5

Enzymes involved in the repair of damaged DNA. Grossman L. **Arch Biochem Biophys** 1981 Oct 15;211(2):511-22 (81 ref.)

Passive polymerase control of DNA replication fidelity: evidence against unfavored tautomer involvement in 2-aminopurine-induced base-transition mutations. Goodman MF, et al. **Basic Life Sci** 1982;20:213-29

In vitro replication of mutagen-damaged DNA: sites of termination. Moore PD, et al. **Basic Life Sci** 1982;20:179-97

Differential effect of neomycin on DNA dependent -DNA and RNA synthesis in vitro. Dube DK, et al. **Biochem Biophys Res Commun** 1981 Sep 16;102(1):378-88

Changes in DNA-polymerase and thymidine kinase activity during interferon treatment. Lundblad D, et al. **Biochem Biophys Res Commun** 1982 Apr 29;105(4):1569-76

Changes in intracellular location of DNA polymerase-alpha during oocyte maturation of the toad, Bufo bufo japonicus. Nagano H, et al. **Biochem Biophys Res Commun** 1982 Jun 15;106(3):683-90

Possible involvement of DNA polymerases alpha and beta in bleomycin-induced unscheduled DNA synthesis in permeable HeLa cells. Seki S, et al. **Biochem Biophys Res Commun** 1982 Feb 26;104(4):1502-8

Restoration of defective cellular functions by supply of DNA polymerase I to permeable cells of Escherichia coli. Shimizu K, et al. **Biochem Biophys Res Commun** 1981 Jul 16;101(1):15-21

Heparan sulphate is a potent inhibitor of DNA synthesis in vitro. Winterbourne DJ, et al. **Biochem Biophys Res Commun** 1981 Jul 16;101(1):30-7

DNA polymerase of a basidiomycete fungus, Coprinus cinereus. Lowe D, et al. **Biochem J** 1981 Mar 1; 193(3):997-1004

Diffusion-driven mechanisms of protein translocation on nucleic acids. 1. Models and theory. Berg OG, et al. **Biochemistry** 1981 Nov 24;20(24):6929-48

Stereochemical course of nucleotidyl transfer catalyzed by bacteriophage T7 induced DNA polymerase. Brody RS, et al. **Biochemistry** 1982 May 11;21(10):2570-2

Properties of the primer-binding site and the role of magnesium ion in primer-template recognition by KB cell DNA polymerase alpha. Fisher PA, et al. **Biochemistry** 1981 Aug 4;20(16):4570-8

Ordered sequential mechanism of substrate recognition and binding by KB cell DNA polymerase alpha. Fisher PA, et al. **Biochemistry** 1981 Aug 4;20(16):4560-9

DNA polymerase delta: one polypeptide, two activities. Goscin LP, et al. **Biochemistry** 1982 May 11;21(10):2513-8

Characterization of purified Epstein—Barr virus induced deoxyribonucleic acid polymerase: nucleotide turnover, processiveness, and phosphonoacetic acid sensitivity. Grossberger D, et al. **Biochemistry** 1981 Jul 7; 20(14):4049-55

Changes in DNA polymerases alpha, beta, and gamma during the replicative life span of cultured human fibroblasts. Krauss SW, et al. **Biochemistry** 1982 Mar 2;21(5):1002-9

Oligothymidylate analogues having stereoregular, alternating methylphosphonate/phosphodiester backbones as primers for DNA polymerase. Miller PS, et al. **Biochemistry** 1982 May 11;21(10):2507-12

Nonrandom substitution of 2-aminopurine for adenine during deoxyribonucleic acid synthesis in vitro. Pless RC, et al. **Biochemistry** 1981 Oct 13;20(21):6235-44

Specificity of the catalytic interaction of human DNA polymerase beta with nucleic acid substrates. Wang TS, et al. **Biochemistry** 1982 Mar 30;21(7):1597-608

Studies on Escherichia coli chromosome proteins. II. DNA polymerases associated with the nucleoid. Moriya T, et al. **Biochim Biophys Acta** 1981 Sep 28;655(2):189-94

The effect of ATP on the incorporation of deoxyribonucleoside triphosphates by Escherichia coli DNA polymerase I. Spasokukotskaja T, et al. **Biochim Biophys Acta** 1981 Dec 28;656(2):140-6

Further characterization of a poly(rA) . oligo(dT)-dependent activity of multiple DNA polymerase alpha from calf thymus. Yoshida S, et al. **Biochim Biophys Acta** 1981 Jul 27;654(2):194-200

Preferential utilization of bromodeoxyuridine and iododeoxyuridine triphosphates by DNA polymerase gamma in vitro. Schwartz SA. **Biosci Rep** 1981 May; 1(5):387-98

5-Methyltetrahydrofolate related enzymes and DNA polymerase alpha activities in bone marrow cells from patients with vitamin B12 deficient megaloblastic anemia. Kano Y, et al. **Blood** 1982 Apr;59(4):832-7

Utilization of 5-fluoro-2'-deoxyuridine triphosphate and 5-fluoro-2'-deoxycytidine triphosphate in DNA synthesis by DNA polymerases alpha and beta from calf thymus. Tanaka M, et al. **Cancer Res** 1981 Oct;41(10):4132-5

DNA polymerases in replication and repair of DNA during carcinogenesis induced by feeding N-acetylaminofluorene. Craddock VM. **Carcinogenesis** 1981;2(1):61-5

Biochemical and immunological characterization of cellular DNA polymerases alpha, beta and gamma, and a reverse transcriptase from human melanoma tissue. Chandra P, et al. **Cell Mol Biol** 1981;27(2-3):239-51

DNA polymerase and thymidine kinase activities in MC-29 virus-induced transplantable hepatoma and the effect of cytostatic treatment of these activities. Staub M, et al. **Chem Biol Interact** 1982 Aug;41(2):181-92

Enzyme involved in DNA replication in the axolotl. I. Analysis of the forms and activities of DNA polymerase and DNA ligase during development. Carré D, et al. **Dev Biol** 1981 Oct 15;87(1):114-25

Transition of DNA polymerase-alpha and endoplasmic reticulum during gastrulation of the sea urchin. Shioda M, et al. **Dev Biol** 1982 May;91(1):111-20

DNA polymerase, DNA ligase, and thymidine kinase activity in chicken lens, related to DNA X-ray lesion repair. Counis MF, et al. **Differentiation** 1981;20(3):188-95

Bacteriophage fd gene-2 protein. Processing of phage fd viral strands replicated by phage T7 enzymes. Harth G, et al. **Eur J Biochem** 1981 Oct;119(3):663-8

Polymerization/excision kinetics of Escherichia coli DNA polymerase I. Stability in kinetic behaviour and variations of the rate constants with temperature and pH. Saghi M, et al. **Eur J Biochem** 1982 Mar;123(1):191-9

DNA synthesis catalysed by endogenous templates and DNA-dependent DNA polymerases in spermatogenic cells from rat. Hecht NB, et al. **Exp Cell Res** 1981 Sep; 135(1):103-14

Coincidence of subnuclear distribution of poly(ADP-ribose) synthetase and DNA polymerase beta in nuclei of normal and regenerating liver. Kirsten E, et al. **FEBS Lett** 1982 Mar 8;139(1):117-20

The effect of benzo[a]pyrene on DNA synthesis and DNA polymerase activity of rat liver mitochondria. Salazar I, et al. **FEBS Lett** 1982 Feb 8;138(1):45-9

Stimulation of DNA polymerase beta activity in permeabilized mouse P815 mast cells after neocarzinostatin treatment. Geurtsen W, et al. **Gan** 1981 Apr;72(2):259-63

DNA polymerases of Tetrahymena pyriformis. I. Characterization of two N-ethylmaleimide-sensitive DNA polymerases from exponentially growing cells. Sakai A, et al. **J Biochem (Tokyo)** 1982 Mar;91(3):845-53

DNA polymerases of Tetrahymena pyriformis. II. Does an N-ethylmaleimide-resistant polymerase exist in Tetrahymena? Sakai A, et al. **J Biochem (Tokyo)** 1982 Mar; 91(3):855-63

Studies on the mechanism of Escherichia coli DNA polymerase I large fragment. Chain termination and modulation by polynucleotides. Detera SD, et al. **J Biol Chem** 1982 Aug 25;257(16):9770-80

Size classes of products synthesized processively by two subassemblies of Escherichia coli DNA polymerase III holoenzyme. Fay PJ, et al. **J Biol Chem** 1982 May 25; 257(10):5692-9

Template-prime-dependent turnover of (Sp)-dATP alpha S by T4 DNA polymerase. The stereochemistry of the associated 3' goes to 5'-exonuclease. Gupta A, et al. **J Biol Chem** 1982 Jul 10;257(13):7689-92

On the fidelity of DNA replication. Effect of the next nucleotide on proofreading. Kunkel TA, et al. **J Biol Chem** 1981 Oct 10;256(19):9883-9

The roles of DNA polymerases alpha, beta, and gamma in DNA repair synthesis induced in hamster and human cells by different DNA damaging agents. Miller MR, et al. **J Biol Chem** 1982 Sep 10;257(17):10204–9

Evidence that DNA polymerases alpha and beta participate differentially in DNA repair synthesis induced by different agents. Miller MR, et al. **J Biol Chem** 1982 Jan 10; 257(1):46–9

Characterization of the action of Escherichia coli DNA polymerase I at incisions produced by repair endodeoxyribonucleases. Mosbaugh DW, et al. **J Biol Chem** 1982 Jan 10;257(1):575–83

Association of diadenosine 5',5"–P1,P4–tetraphosphate binding protein with HeLa cell DNA polymerase alpha. Rapaport E, et al. **J Biol Chem** 1981 Dec 10; 256(23):12148–51

A study of the mechanism of T4 DNA polymerase with diastereomeric phosphorothioate analogues of deoxyadenosine triphosphate. Romaniuk PJ, et al. **J Biol Chem** 1982 Jul 10;257(13):7684–8

Rapid hydrolysis of deoxynucleoside triphosphates accompanies DNA synthesis by T4 DNA polymerase and T4 accessory proteins 44/62 and 45. Roth AC, et al. **J Biol Chem** 1982 Feb 10;257(3):1267–73

DNA polymerase beta involvement in DNA endoreduplication in rat giant trophoblast cells. Siegel RL, et al. **J Biol Chem** 1982 Feb 25;257(4):1785–90

Effect of deoxynucleoside phosphorothioates incorporated in DNA on cleavage by restriction enzymes. Vosberg HP, et al. **J Biol Chem** 1982 Jun 10;257(11):6595–9

Specific sequences in native DNA that arrest synthesis by DNA polymerase alpha. Weaver DT, et al. **J Biol Chem** 1982 Feb 25;257(4):2075–86

Mouse DNA replicase. DNA polymerase associated with a novel RNA polymerase activity to synthesize initiator RNA of strict size. Yagura T, et al. **J Biol Chem** 1982 Sep 25;257(18):11121–7

Absence of ultraviolet–inducible DNA polymerase I–like activity in Escherichia coli strains harbouring R plasmids. Upton C, et al. **J Gen Microbiol** 1981 Jul;125(Pt 1):131–7

Aspects of thymidine metabolism and function in cultured mammalian cells infected with herpes simplex virus type 1. Baybutt HN, et al. **J Gen Virol** 1982 Apr;59(Pt 2):223–34

Complementation between phosphonoacetic acid–resistant and –sensitive variants of herpes simplex viruses: evidence for an oligomeric protein with restricted intracellular diffusion as the determinant of resistance and sensitivity. Honess RW. **J Gen Virol** 1981 Dec;57(Pt 2):297–306

Human cytomegalovirus–associated DNA polymerase and protein kinase activities. Mar EC, et al. **J Gen Virol** 1981 Nov;57(Pt 1):149–56

Suppressor cell activity in tumor–bearing mice. III. Co–purification of a factor inhibiting cellular DNA synthesis and DNA polymerase activity. Farrar WL, et al. **J Immunol** 1981 Dec;127(6):2339–44

Changes in hepatitis B virus DNA–polymerase activity in patients with chronic infection. Alberti A, et al. **J Med Virol** 1981;8(4):223–9

Stimulation of DNA polymerase alpha by a nuclear DNA/protein complex. Balabanova H, et al. **J Supramol Struct Cell Biochem** 1981;16(1):1–13

Acyclovir–resistant mutants of herpes simplex virus type 1 express altered DNA polymerase or reduced acyclovir phosphorylating activities. Furman PA, et al. **J Virol** 1981 Dec;40(3):936–41

Physical mapping of drug resistance mutations defines an active center of the herpes simplex virus DNA polymerase enzyme. Knopf KW, et al. **J Virol** 1981 Sep;39(3):746–57

DNA polymerase requirements for parvovirus H–1 DNA replication in vitro. Kollek R, et al. **J Virol** 1982 Mar; 41(3):982–9

Effects of exogenous polyamine and trypanocides on the DNA polymerase activities from Trypanosoma brucei brucei, mouse thymus and murine leukemia virus. Marcus SL, et al. **Mol Biochem Parasitol** 1982 Apr;5(4):231–43

Effect of arabinosyl cytosine on the level of DNA polymerase and thymidine kinase activity in PHA–stimulated human tonsillar lymphocytes. Staub M, et al. **Mol Cell Biochem** 1982 Jan 16;42(1):37–44

The adaptive response to alkylating agents: the removal of O6–methylguanine from DNA is not dependent on DNA polymerase–1. Karran P, et al. **Mutat Res** 1982 Apr; 104(1–3):67–73

The mutagenic effect of deoxynucleotide substrate imbalances during DNA synthesis with mammalian DNA polymerases. Kunkel TA, et al. **Mutat Res** 1982 Jun; 94(2):413–9

De novo DNA synthesis by a novel mouse DNA polymerase associated with primase activity. Kozu T, et al. **Nature** 1982 Jul 8;298(5870):180–2

Site–specific mutagenesis by error–directed DNA synthesis. Zakour RA, et al. **Nature** 1982 Feb 25;295(5851):708–10

Comparative effects of the 5'–triphosphates of 9–beta–(2'–azido–2'–deoxy–D–arabinofuranosyl)adenine and 9–beta–D–arabinofuranosyladenine on DNA polymerases from L1210 leukemia cells. Allaudeen HS, et al. **Nucleic Acids Res** 1982 Feb 25;10(4):1379–87

Mechanism of ultraviolet–induced mutagenesis: the coding properties of ultraviolet–irradiated poly(dC) replicated by E. coli DNA polymerase I. Lecomte P, et al. **Nucleic Acids Res** 1981 Jul 24;9(14):3491–501

(E)–5–(2–bromovinyl)–2'–deoxyuridine–5'–triphosphate as a DNA polymerase substrate. Sági J, et al. **Nucleic Acids Res** 1981 Dec 21;9(24):6985–94

A DNA primase activity associated with DNA polymerase alpha from Drosophila melanogaster embryos. Conaway RC, et al. **Proc Natl Acad Sci USA** 1982 Apr;79(8):2523–7

Adenovirus DNA replication in vitro: purification of the terminal protein in a functional form. Enomoto T, et al. **Proc Natl Acad Sci USA** 1981 Nov;78(11):6779–83

DNA polymerase accuracy and spontaneous mutation rates: frequencies of purine.purine, purine.pyrimidine, and pyrimidine.pyrimidine mismatches during DNA replication. Fersht AR, et al. **Proc Natl Acad Sci USA** 1981 Jul;78(7):4251–5

Incorporation into DNA of the base analog 2–aminopurine by the Epstein–Barr virus–induced DNA polymerase in vivo and in vitro. Grossberger D, et al. **Proc Natl Acad Sci USA** 1981 Dec;78(12):7271–5

Template–directed pausing in in vitro DNA synthesis by DNA polymerase a from Drosophila melanogaster embryos. Kaguni LS, et al. **Proc Natl Acad Sci USA** 1982 Feb;79(4):983–7

Synthesis of parvovirus H–1 replicative form from viral DNA by DNA polymerase gamma. Kollek R, et al. **Proc Natl Acad Sci USA** 1981 Oct;78(10):6206–10

Deoxynucleoside [1–thio]triphosphates prevent proofreading during in vitro DNA synthesis. Kunkel TA, et al. **Proc Natl Acad Sci USA** 1981 Nov;78(11):6734–8

Alternate pathways of DNA replication: DNA polymerase I–dependent replication. Niwa O, et al. **Proc Natl Acad Sci USA** 1981 Nov;78(11):7024–7

Priming of DNA synthesis by diadenosine 5',5"–P1,P4–tetraphosphate with a double–stranded octadecamer as a template and DNA polymerase alpha. Zamecnik PC, et al. **Proc Natl Acad Sci USA** 1982 Mar; 79(6):1791–4

Enzymic editing mechanisms and the genetic code. Fersht AR. **Proc R Soc Lond [Biol]** 1981 Aug 19;212(1189):351–79 (96 ref.)

Tumor–induced impairment of T–cell–independent B–cell blastogenesis and DNA polymerase activity. Farrar WL, et al. **Proc Soc Exp Biol Med** 1982 Jan;169(1):127–34

Replication of linear duplex DNA in vitro with bacteriophage T5 DNA polymerase. Fujimura RK, et al. **Prog Nucleic Acid Res Mol Biol** 1981;26:49–62

Mechanisms of catalysis of human DNA polymerases alpha and beta. Korn D, et al. **Prog Nucleic Acid Res Mol Biol** 1981;26:63–81

Structural and functional properties of calf thymus DNA polymerase delta. Lee MY, et al. **Prog Nucleic Acid Res Mol Biol** 1981;26:83–96

Effect of hyperthermia on CHO DNA polymerases alpha and beta. Spiro IJ, et al. **Radiat Res** 1982 Jan;89(1):134–49

[Isolation and properties of DNA–polymerase from the extreme thermophilic bacterium Thermus flavus] Kaledin AS, et al. **Biokhimiia** 1981 Sep;46(9):1576–84 (Eng. Abstr.) **(Rus)**

[Isolation and characterization of DNA polymerase alpha, beta and gamma from the cells of the loach (Misgurnus fossilis)] Mikhailov VS, et al. **Biokhimiia** 1981 Sep; 46(9):1539–47 (Eng. Abstr.) **(Rus)**

[Isolation and properties of two DNA–polymerases from Bacillus stearothermophiius cells] Trofimenko AF, et al. **Biokhimiia** 1981 Apr;46(4):681–90 (Eng. Abstr.) **(Rus)**

[Enzymatic DNA synthesis on a procollagen mRNA matrix from human fibroblasts] Ryskov AP, et al. **Genetika (Moskva)** 1981;17(8):1390–7 **(Rus)**

[Molecular mechanisms of stabilization and preparation of metabolic breaks in DNA strands in vivo. I. Tandem action of exonuclease V and DNA polymerase II] Fradkin GE, et al. **Mol Biol (Mosk)** 1982 Jan–Feb;16(1):55–8 (Eng. Abstr.) **(Rus)**

[Kinetic description and a model of the correction mechanism of bifunctional DNA–polymerases] Iashina LN, et al. **Mol Biol (Mosk)** 1981 Jul–Aug;15(4):901–14 (Eng. Abstr.) **(Rus)**

[Enzymatic synthesis and molecular cloning of the pigeon alpha–globin structural gene] Skobeleva NA, et al. **Mol Biol (Mosk)** 1981 Nov–Dec;15(6):1224–33 (Eng. Abstr.) **(Rus)**

PHARMACODYNAMICS

Net DNA synthesis catalysed by calf thymus DNA polymerase beta. Siedlecki JA, et al. **Acta Biochim Pol** 1981; 28(2):157–73

PHYSIOLOGY

[Preservation of DNA polymerase alpha in rat liver cells during aging] Mikhailov VS, et al. **Dokl Akad Nauk SSSR** 1981;260(2):494–7 **(Rus)**

RADIATION EFFECTS

DNA polymerase alpha and beta activity in gamma–irradiated HeLa S3 cells. Leadon SA, et al. **Int J Radiat Biol** 1981 Aug;40(2):195–204

[DNA polymerase II participation in the induction of radiation mutations] Naumova LA, et al. **Radiobiologiia** 1981 May–Jun;21(3):453–5 **(Rus)**

DNA, RECOMBINANT

see related
GENETIC INTERVENTION

Some recent advances in the molecular biology of the interferon system. Burke DC. **Acta Med Acad Sci Hung** 1981;38(3):283–8 (18 ref.)

Absence of functional and structural homology of natural and recombinant human leukocyte interferon (IFN–alpha) with human alpha–ACTH and beta–endorphin. Epstein LB, et al. **Biochem Biophys Res Commun** 1982 Jan 15; 104(1):341–6

Amino acid composition and terminal sequence analysis of the rabies virus glycoprotein: identification of the reading frame on the cDNA sequence. Lai CY, et al. **Biochem Biophys Res Commun** 1981 Nov 30;103(2):536–42

In vitro transcription of cloned yeast ribosomal DNA by yeast RNA polymerase A. Sawadogo M, et al. **Biochem Biophys Res Commun** 1981 Jul 16;101(1):250–7

Characterization of the translation products of the major mRNA species from rabbit lactating mammary glands and construction of bacterial recombinants containing casein and alpha–lactalbumin complementary DNA. Suard YM, et al. **Biochem J** 1982 Jan 1;201(1):81–90

A putative tRNATrp gene cloned from Dictyostelium discoideum: its nucleotide sequence and association with repetitive deoxyribonucleic acid. Peffley DM, et al. **Biochemistry** 1981 Jul 7;20(14):4015–21

Dissections and reconstructions of genes and chromosomes. Nobel lecture, 8 December 1980. Berg P. **Biosci Rep** 1981 Apr;1(4):269–87 (49 ref.)

Alignment of cloned amiE gene of Pseudomonas aeruginosa with the N–terminal sequence of amidase. Clarke PH, et al. **Biosci Rep** 1981 Apr;1(4):299–307

A method for sequencing single–stranded cloned DNA in both directions. Hong GF. **Biosci Rep** 1981 Mar;1(3):243–52

The cloning and reintroduction into animal cells of a functional CAD gene, a dominant amplifiable genetic marker. de Saint Vincent BR, et al. **Cell** 1981 Dec;27(2 Pt 1):267–77

Sequencing of the 16S–23S spacer in a ribosomal RNA operon of Zea mays chloroplast DNA reveals two split tRNA genes. Koch W, et al. **Cell** 1981 Jul;25(1):203–13

Formation of infectious progeny virus after insertion of herpes simplex thymidine kinase gene into DNA of an avian retrovirus. Shimotohno K, et al. **Cell** 1981 Oct;26(1 Pt 1):67–77

Localization in mouse–L–Cell chromosomal sites of transferred immunoglobulin genes. Fittler F, et al. **Chromosoma** 1982;84(5):717–27

Recombinant DNA technology at SKI. Hadden JW. **Clin Bull** 1981;11(3):141–5

Recombinant DNA and collagen research. Is amino acid sequencing obsolete? Can we study diseases involving collagen by analysis of the genes? Prockop DJ. **Coll Relat Res** 1981;1(1):129–35

Selectable markers for the transfer of genes into mammalian cells. Colbère–Garapin F, et al. **Curr Top Microbiol Immunol** 1982;96:145–57 (75 ref.)

Liposomes: the development of a new carrier system for introducing nucleic acid into plant and animal cells. Fraley R, et al. **Curr Top Microbiol Immunol** 1982;96:171–91 (85 ref.)

Isolation of cloned genes differentially expressed at early and late stages of Drosophila embryonic development. Scherer G, et al. **Dev Biol** 1981 Sep;86(2):438–47

Recombinant DNA: will it provide new and better drug therapies? Richards BM. **Drug Ther** 1982;:139–53 (22 ref.)

Ethical analysis of the risk–benefit issue in recombinant DNA research and technology. Franco VW. **Ethics Sci Med** 1980; 7(3–4):147–58

Measurement of 5 S RNA accumulation in oocytes of Xenopus laevis using a cDNA probe. Arad G, et al. **FEBS Lett** 1981 Dec 28;136(2):247–50

Cloning of a defective polyoma DNA molecule with rearrangements in the region coding for middle and large T antigens. Parent C, et al. **FEBS Lett** 1981 Aug 3; 130(2):269–71

Human ribosomal RNA gene spacer sequences are found interspersed elsewhere in the genome. Higuchi R, et al. **Gene** 1981 Nov;15(2–3):177–86

Recombinant DNA and the law: review of some general legal considerations. Korwek EL. **Gene** 1981 Oct;15(1):1–5

Cloned genomic segments of Zea mays homologous to zein mRNAs. Lewis ED, et al. **Gene** 1981 Aug;14(3):205–15

About recombinant deoxyribonucleic acid in medicine and industry. O'Malley BW, et al. **Heart Lung** 1982 Jan–Feb; 11(1):93–8

1980 Beaumont Lecture. Restriction enzymes as tools for genetic research. Smith HO. **Henry Ford Hosp Med J** 1980; 28(1):5–14

The application of DNA recombinant technology to the analysis of the human genome and genetic disease. Davies KE. **Hum Genet** 1981;58(4):351–7 (69 ref.)

The Mendelian inheritance of a human X chromosome–specific DNA sequence polymorphism and its use in linkage studies of genetic disease. Hill ME, et al. **Hum Genet** 1982;60(3):222–6

Construction from Mu d1 (lac Apr) lysogens of lambda bacteriophage bearing promoter–lac fusions: isolation of lambda ppheA–lac. Gowrishankar J, et al. **J Bacteriol** 1982 Jun;150(3):1122–9

Transfer of chimeric plasmids among Salmonella typhimurium strains by P22 transduction. Orbach MJ, et al. **J Bacteriol** 1982 Mar;149(3):985–94

The structures of genes hybridizing with tRNA4Val from Drosophila melanogaster. Addison WR, et al. **J Biol Chem** 1982 Jan 25;257(2):670–3

Calcitonin COOH-terminal cleavage peptide as a model for identification of novel neuropeptides predicted by recombinant DNA analysis. Amara SG, et al. **J Biol Chem** 1982 Mar 10;257(5):2129–32

Molecular cloning of cDNA for the alpha, beta, and gamma chains of rat fibrinogen. A family of coordinately regulated genes. Crabtree GR, et al. **J Biol Chem** 1981 Sep 25; 256(18):9718–23

Structure of amplified normal and variant dihydrofolate reductase genes in mouse sarcoma S180 cells. Crouse GF, et al. **J Biol Chem** 1982 Jul 10;257(13):7887–97

Analysis of 5' flanking sequences and intron–exon boundaries of the rat prolactin gene. Maurer RA, et al. **J Biol Chem** 1981 Oct 25;256(20):10524–8

Structure of the chicken apo very low density lipoprotein II gene. Meijlink FC, et al. **J Biol Chem** 1981 Sep 25; 256(18):9668–71

Nucleotide sequence of rat alpha 1-acid glycoprotein messenger RNA. Ricca GA, et al. **J Biol Chem** 1981 Nov 10;256(21):11199–202

Purification and characterization of recombinant human leukocyte interferon (IFLrA) with monoclonal antibodies. Staehelin T, et al. **J Biol Chem** 1981 Sep 25;256(18):9750–4

Energetic and structural inter–relationship between DNA supercoiling and the right- to left–handed Z helix transitions in recombinant plasmids. Stirdivant SM, et al. **J Biol Chem** 1982 Sep 10;257(17):10159–65

Gene transfer into the mouse germ–line. Costantini F, et al. **J Cell Physiol** 1982;Suppl 1:219–26

Expression of Streptococcus mutans aspartate–semialdehyde dehydrogenase gene cloned into plasmid pBR322. Jagusztyn–Krynicka EK, et al. **J Gen Microbiol** 1982 May; 128 (Pt 5):1135–45

Construction of a hybrid plasmid molecule containing the total coding region of Semliki Forest virus 26S mRNA. Kondor–Koch C, et al. **J Gen Virol** 1982 Feb;58(Pt 2):443–8

Site–specific insertion of genes into T–DNA of the Agrobacterium tumor–inducing plasmid: an approach to genetic engineering of higher plant cells. Matzke AJ, et al. **J Mol Appl Gen** 1981;1(1):39–49

Chromosome structure and DNA sequence alterations associated with mutation of transformed genes. Robins DM, et al. **J Mol Appl Gen** 1981;1(3):191–203

Construction and characterization of SV40 recombinants with beta–globin cDNA substitutions in their early regions. Southern PJ, et al. **J Mol Appl Gen** 1981;1(3):177–90

Isolation of mutant promoters in the Escherichia coli galactose operon using local mutagenesis on cloned DNA fragments. Busby S, et al. **J Mol Biol** 1982 Jan 15; 154(2):197–209

Base sequence studies of 300 nucleotide renatured repeated human DNA clones. Deininger PL, et al. **J Mol Biol** 1981 Sep 5;151(1):17–33

Novel mutations of Escherichia coli that produce recombinogenic lesions in DNA. V. Recombinogenic plasmids from arl mutants of Escherichia coli are unusually sensitive to nuclease S1 and partially deficient in cytosine methylation at C–C–(A/T)–G–G sequences. Korba BE, et al. **J Mol Biol** 1982 May 15;157(2):213–35

Strategies for constructing complementary DNA for cloning. Gaubatz J, et al. **J Theor Biol** 1982 Apr 21;95(4):679–96

Encapsidation and expression of the herpes thymidine kinase gene in polyoma virus. Dinces NB, et al. **J Virol** 1982 May; 42(2):691–9

Construction and isolation of a transmissible retrovirus containing the src gene of Harvey murine sarcoma virus and the thymidine kinase gene of herpes simplex virus type 1. Wei CM, et al. **J Virol** 1981 Sep;39(3):935–44

Simian virus 40–rabbit beta–globin recombinants lacking late mRNA splice sites express cytoplasmic RNAs with altered structures. White RT, et al. **J Virol** 1982 Apr;42(1):262–74

Gene therapy. Anderson WF. **JAMA** 1981 Dec 11; 246(23):2737–9

'Venice' is not sinking (the water is rising). Some views on biomedical research. Fredrickson DS. **JAMA** 1982 Jun 11; 247(22):3072–5

Restriction enzymes, interferon, and the therapy for advanced cancer [editorial] Grouse LD. **JAMA** 1982 Mar 26;247(12):1742

Clinical and immunologic effects of recombinant leukocyte A interferon in eight patients with advanced cancer. Horning SJ, et al. **JAMA** 1982 Mar 26;247(12):1718–22

Designer genes for producing drugs: will they wash? Miller HI. **JAMA** 1982 Sep 24;248(12):1503–4

Preliminary studies on the immunogenicity and amount of Escherichia coli polypeptides in biosynthetic human insulin produced by recombinant DNA technology. Baker RS, et al. **Lancet** 1981 Nov 21;2(8256):1139–42

Recombinant DNA technology. Emery AE. **Lancet** 1981 Dec 19–26;2(8260–61):1406–9

Use of DNA bound to filters for selection of interferon–specific nucleic acid sequences. McCandliss R, et al. **Methods Enzymol** 1981;79(Pt B):618–22

Purification of recombinant human leukocyte interferon (IFLrA) with monoclonal antibodies. Staehelin T, et al. **Methods Enzymol** 1981;78(Pt A):505–12

Cloning and expression of Bacillus subtilis phage SPP1 in E. coli. II. Expression of lambda/SPP1 hybrid phages in E. coli minicells. Amann EP, et al. **MGG** 1981; 182(2):299–303

The maxicircle of Trypanosoma brucei kinetoplast DNA hybridizes with a mitochondrial gene encoding cytochrome oxidase subunit II. Johnson BJ, et al. **Mol Biochem Parasitol** 1982 Jun;5(6):381–90

Introduction and expression of a fetal human globin gene in mouse fibroblasts. Hsiung N, et al. **Mol Cell Biol** 1982 Apr;2(4):401–11

Accessibility of ribosomal genes to trimethyl psoralen in nuclei of Physarum polycephalum. Judelson HS, et al. **Mol Cell Biol** 1982 Mar;2(3):211–20

Construction, replication, and chromatin structure of TRP1 RI circle, a multiple–copy synthetic plasmid derived from Saccharomyces cerevisiae chromosomal DNA. Zakian VA, et al. **Mol Cell Biol** 1982 Mar;2(3):221–32

US looks to biological weapons [news] **Nature** 1982 Jun 24; 297(5868):615–6

Key biotechnology patent delayed [editorial] **Nature** 1982 Jul 29;298(5873):409

No NIH ban [news] Budiansky S. **Nature** 1982 Jul 8; 298(5870):111

Rate of turnover of structural variants in the rDNA gene family of Drosophila melanogaster. Coen ES, et al. **Nature** 1982 Feb 18;295(5850):564–8

Introduction of a rabbit beta–globin gene into the mouse germ line. Costantini F, et al. **Nature** 1981 Nov 5;294(5836):92–4

A chicken histone H3 gene contains intervening sequences. Engel JD, et al. **Nature** 1982 Jun 3;297(5865):434–6

Integration of foreign genes into the mammalian germ line: genetic engineering enters a new era [news] Hogan B, et al. **Nature** 1981 Nov 5;294(5836):9–10

Ulcer cure sweetener for Searle [news] Newmark P. **Nature** 1982 Jun 3;297(5865):351–2

A new era in mammalian gene mapping: somatic cell genetics and recombinant DNA methodologies. Ruddle FH. **Nature** 1981 Nov 12;294(5837):115–20 (67 ref.)

Structure of the pro alpha 2 (I) collagen gene. Wozney J, et al. **Nature** 1981 Nov 12;294(5837):129–35

Shotgun DNA sequencing using cloned DNase I–generated fragments. Anderson S. **Nucleic Acids Res** 1981 Jul 10; 9(13):3015–27

Complete sequence of an IS element present in pSC101. Bernardi A, et al. **Nucleic Acids Res** 1981 Jun 25; 9(12):2905–11

SEQ: a nucleotide sequence analysis and recombination system. Brutlag DL, et al. **Nucleic Acids Res** 1982 Jan 11; 10(1):279–94

In vitro transcription by purified yeast RNA polymerase II. Coarse promoter mapping on homologous cloned genes. Carnevali F, et al. **Nucleic Acids Res** 1982 May 25; 10(10):3195–209

The occurrence of families of repetitive sequences in a library of cloned cDNA from human lymphocytes. Crampton JM, et al. **Nucleic Acids Res** 1981 Aug 11;9(15):3821–34

Human growth hormone DNA sequence and mRNA structure: possible alternative splicing. DeNoto FM, et al. **Nucleic Acids Res** 1981 Aug 11;9(15):3719–30

The nucleotide sequence of rat alpha–tubulin: 3'–end characteristics, and evolutionary conservation. Ginzburg I, et al. **Nucleic Acids Res** 1981 Jun 25;9(12):2691–7

Interspersed repeated sequences in the African green monkey genome that are homologous to the human Alu family. Grimaldi G, et al. **Nucleic Acids Res** 1981 Nov 11; 9(21):5553–68

Interactive computer programs in sequence data analysis. Jagadeeswaran P, et al. **Nucleic Acids Res** 1982 Jan 11; 10(1):433–47

The nucleotide sequences of two tRNAAsn genes from tobacco chloroplasts. Kato A, et al. **Nucleic Acids Res** 1981 Nov 11;9(21):5601–7

Genomic representation of the Hind II 1.9 kb repeated DNA. Manuelidis L, et al. **Nucleic Acids Res** 1982 May 25; 10(10):3221–39

Nucleotide sequence definition of a major human repeated DNA, the Hind III 1.9 kb family. Manuelidis L. **Nucleic Acids Res** 1982 May 25;10(10):3211–9

Identification of the in vivo and in vitro origin of transcription in human rDNA. Miesfeld R, et al. **Nucleic Acids Res** 1982 Jul 10;10(13):3933–49

Specific deletion of DNA sequences between preselected bases. Panayotatos N, et al. **Nucleic Acids Res** 1981 Nov 11;9(21):5679–88

Duplicated rDNA sequences of variable lengths flanking the short type I insertions in the rDNA of Drosophila melanogaster. Roiha H, et al. **Nucleic Acids Res** 1981 Nov 11;9(21):5521–32

pUR222, a vector for cloning and rapid chemical sequencing of DNA. Rüther U, et al. **Nucleic Acids Res** 1981 Aug 25;9(16):4087–98

The organization of the dihydrofolate reductase gene of baby hamster kidney fibroblasts. Schoner RG, et al. **Nucleic Acids Res** 1981 Dec 11;9(23):6601–14

KpnI families of long, interspersed repetitive DNAs in human and other primate genomes. Shafit–Zagardo B, et al. **Nucleic Acids Res** 1982 May 25;10(10):3175–93

Isolation and characterization of the complete chicken beta–globin gene region: frequent deletion of the adult beta–globin genes in lambda. Villeponteau B, et al. **Nucleic Acids Res** 1981 Aug 11;9(15):3731–46

Human DNA sequences complementary to the small nuclear RNA U2. Westin G, et al. **Nucleic Acids Res** 1981 Dec 11;9(23):6323–38

Genetic structure of the IncN plasmid N3. Ando T, et al. **Plasmid** 1981 Nov;6(3):293–301

DNA–mediated gene transfer of beta–aspartylhydroxamate resistance into Chinese hamster ovary cells. Andrulis IL, et al. **Proc Natl Acad Sci USA** 1981 Sep;78(9):5724–8

Nucleotide sequence and the encoded amino acids of human serum albumin mRNA. Dugaiczyk A, et al. **Proc Natl Acad Sci USA** 1982 Jan;79(1):71–5

Transposon–specified site–specific recombination. Kitts P, et al. **Proc Natl Acad Sci USA** 1982 Jan;79(1):46–50

Construction and characterization of genomic libraries from specific human chromosomes. Krumlauf R, et al. **Proc Natl Acad Sci USA** 1982 May;79(9):2971–5

Sequence analysis of a cDNA coding for a pancreatic precursor to somatostatin. Taylor WL, et al. **Proc Natl Acad Sci USA** 1981 Nov;78(11):6694–8

The human beta–globin gene and a functional viral thymidine kinase gene in developing mice. Wagner EF, et al. **Proc Natl Acad Sci USA** 1981 Aug;78(8):5016–20

Structure of two human alpha–tubulin genes. Wilde CD, et al. **Proc Natl Acad Sci USA** 1982 Jan;79(1):96–100

DNA mediated transfer and fate of a proviral gene of mouse mammary tumor virus in cultured cells. Hynes NE, et al. **Prog Clin Biol Res** 1982;85 Pt A:159–71

Visualization of in vivo transcription patterns in Xenopus rDNA spacer chromatin. Trendelenburg MF. **Prog Clin Biol Res** 1982;85 Pt A:199–210

Certified host vector systems. **Recomb DNA Tech Bull** 1981 Dec;4(4):188–91

Procedures for review of large–scale experiments. **Recomb DNA Tech Bull** 1981 Dec;4(4):192

Evaluation of the risks associated with recombinant DNA research: the Working Group on Revision of the Guidelines. **Recomb DNA Tech Bull** 1981 Dec;4(4):166–79

Case–by–case evaluation of recombinant DNA research involving eukaryotic viruses. **Recomb DNA Tech Bull** 1981 Dec;4(4):193–6

Clarification on the guidelines for recombinant DNA experiments with genes coding for toxins for vertebrates. **Recomb DNA Tech Bull** 1981 Dec;4(4):197

Meeting of the large–scale review working group of the Recombinant DNA Advisory Committee. **Recomb DNA Tech Bull** 1982 Mar;5(1):29–33

Procedures for review of large–scale experiments. **Recomb DNA Tech Bull** 1982 Mar;5(1):51

Experiments for which containment has been lowered under section III–0–2 of the guidelines. **Recomb DNA Tech Bull** 1982 Mar;5(1):48

OSHA regulation of industrial applications of recombinant DNA technology. Korwek EL. **Recomb DNA Tech Bull** 1982 Mar;5(1):19–29

The effect of plasmid gene expression on the colonizing ability of E. coli HS in mice. Laux DC, et al. **Recomb DNA Tech Bull** 1982 Mar;5(1):1–5

A simple and sensitive method for assessing survival in environmental samples of species used in recombinant DNA research. Mallory LM, et al. **Recomb DNA Tech Bull** 1982 Mar;5(1):5–6

The role of USDA quarantine regulations and culture collections in recombinant DNA research. Tolin SA. **Recomb DNA Tech Bull** 1981 Dec;4(4):156–9

Agricultural microbiology. Brill WJ. **Sci Am** 1981 Sep; 245(3):198–200, 202 et passim

Globin gene transferred [news] Marx JL. **Science** 1981 Sep 25;213(4515):1488

Boom and bust in biotechnology [news] Norman C, et al. **Science** 1982 Jun 4;216(4550):1076–82

Liposomes as gene carriers: efficient transformation of mouse L cells by thymidine kinase gene. Schaefer–Ridder M, et al. **Science** 1982 Jan 8;215(4529):166–8

Stanford patent delayed [news] Sun M. **Science** 1982 Aug 20;217(4561):712–3

[Human insulin] Syllaba J. **Vnitr Lek** 1982 Mar;28(3):290–4 **(Cze)**

[The patentability of the human genome (news)] Ohlschlegel H. **Naturwissenschaften** 1981 Aug;68(8):423 **(Ger)**

[Genetic engineering and tumor virus research] Fujinaga K. **Hokkaido Igaku Zasshi** 1981 Mar;56(2):236–7 **(Jpn)**

[Mapping of 2 cloned DNA fragments containing repetitive mouse genome regions, actively transcribing into pre–mRNA] Tokarskaia ON, et al. **Genetika (Moskva)** 1982 May;18(5):713–23 (Eng. Abstr.) **(Rus)**

[Experimental gene transfer in mammalian somatic cells] Gazarian KG, et al. **Usp Sovrem Biol** 1981 Sep–Oct; 92(2):163–79 (58 ref.) **(Rus)**

ANALYSIS

Structure and variation of human ribosomal DNA: the external transcribed spacer and adjacent regions. Wilson GN, et al. **Am J Hum Genet** 1982 Jan;34(1):32–49

Sensitive detection of tritium in Southern blot and plaque hybridizations. Bartnik E, et al. **Anal Biochem** 1981 Sep 15;116(2):237–40

Nucleotide sequences of cloned cDNA fragments specific for six Xenopus laevis ribosomal proteins. Amaldi F, et al. **Gene** 1982 Mar;17(3):311–6

The nucleotide sequence of cDNA coding for the structural proteins of foot–and–mouth disease virus. Boothroyd JC, et al. **Gene** 1982 Feb;17(2):153–61

Molecular analysis of the human interferon-alpha gene family. Brack C, et al. **Gene** 1981 Dec;15(4):379–94
DNA sequences flanking an E. coli insertion element IS2 in a cloned yeast TRP5 gene. Brosius J, et al. **Gene** 1982 Feb;17(2):223–8
A B1 repetitive sequence near the mouse beta-major globin gene. Coggins LW, et al. **Gene** 1982 Jan;17(1):113–6
Characterization of coliphage lambda hybrids carrying DNA fragments from Herpes simplex virus type 1 defective interfering particles. Denniston KJ, et al. **Gene** 1981 Dec; 15(4):365–78
Comparison of the nucleotide sequence of cloned DNA coding for an apolipoprotein (apo VLDL-II) from avian blood and the amino acid sequence of an egg-yolk protein (apovitellenin I): equivalence of the two sequences. Dugaiczyk A, et al. **Gene** 1981 Aug;14(3):175–82
Systematic alteration of the nucleotide sequence preceding the translation initiation codon and the effects on bacterial expression of the cloned SV40 small-t antigen gene. Gheysen D, et al. **Gene** 1982 Jan;17(1):55–63
Detection in situ of foreign DNA in eukaryotic cells. Hayday A, et al. **Gene** 1981 Oct;15(1):53–65
The making of strand-specific M13 probes. Hu N, et al. **Gene** 1982 Mar;17(3):271–7
Clone banks of the mung bean, pea and spinach chloroplast genomes. Palmer JD, et al. **Gene** 1981 Oct;15(1):21–6
Nucleotide sequence of the promoter and NH2-terminal signal peptide region of the alpha-amylase gene from Bacillus amyloliquefaciens. Palva I, et al. **Gene** 1981 Oct; 15(1):43–51
Molecular cloning of double-stranded cDNA from the eye lens of the frog Rana temporaria: construction of the cDNA clonotheque and identification of a clone containing the nucleotide sequences of the lambda-crystallin gene. Tomarev SI, et al. **Gene** 1982 Feb;17(2):131–8
Sequence organization of a viral DNA insertion present in the adenovirus-type-5-transformed hamster line BHK268-C31. Westin G, et al. **Gene** 1982 Mar;17(3):263–70
Molecular cloning of a Cellulomonas fimi cellulose gene in Escherichia coli. Whittle DJ, et al. **Gene** 1982 Feb; 17(2):139–45
Molecular structures of packageable ColE1 hybrids and the generation of deletion mutants from one of the hybrids. Nakamura T, et al. **J Biochem (Tokyo)** 1981 Oct; 90(4):1013–22
Organization of a family of highly repetitive sequences within the human genome. Darling SM, et al. **J Mol Biol** 1982 Jan 5;154(1):51–63
Further insight on the transferred-DNA of octopine crown gall. De Beuckeleer M, et al. **MGG** 1981;183(2):283–8
Cloning of E. coli pnp gene from an episome. Portier C, et al. **MGG** 1981;183(2):298–305
The origin of the DNA in transducing particles of bacteriophage Mu: density gradient analyses of DNA. Teifel J, et al. **MGG** 1981;184(2):312–3
H3 and H4 histone cDNA sequences from Xenopus: a sequence comparison of H4 genes. Turner PC, et al. **Nucleic Acids Res** 1982 Jun 25;10(12):3769–80
Moloney murine leukemia virus-induced tumors: recombinant proviruses in active chromatin regions. van der Putten H, et al. **Nucleic Acids Res** 1982 Jan 22; 10(2):577–91
Recombinant DNA and the liver: studies with albumin, alpha-fetoprotein, hepatitis B virus, and other DNA probes. Shafritz DA, et al. **Prog Liver Dis** 1982;7:429–49 (109 ref.)
Plasmid-bacteriophage recombination. II. Density transfer analysis. Smith RD, et al. **Virology** 1982 Jun;119(2):439–49

BIOSYNTHESIS

Cloning of a cDNA complementary to rat preputial gland beta-glucuronidase mRNA. Hieber VC. **Biochem Biophys Res Commun** 1982 Feb 26;104(4):1271–8
Oligo(A)-stimulated Tetrahymena rDNA synthesis in vito. Ganz PR, et al. **Can J Biochem** 1981 Jun;59(6):396–403
Replication of ribosomal DNA in Xenopus laevis. Bozzoni I, et al. **Eur J Biochem** 1981 Sep 1;118(3):585–90
Construction of a hybrid plasmid capable of replication in the bacterium Escherichia coli and the cyanobacterium Anacystis nidulans. Sherman LA, et al. **J Bacteriol** 1982 Apr;150(1):410–3

CHEMICAL SYNTHESIS

An improved procedure for utilizing terminal transferase to add homopolymers to the 3' termini of DNA. Deng G, et al. **Nucleic Acids Res** 1981 Aug 25;9(16):4173–88

IMMUNOLOGY

Cloning of multiple copies of immunoglobulin variable kappa genes in cosmid vectors. Cattaneo R, et al. **Nucleic Acids Res** 1981 Jun 25;9(12):2777–90

ISOLATION & PURIFICATION

Cloning of four DNA fragments complementary to human thyroglobulin messenger RNA. Bergé-Lefranc JL, et al. **Eur J Biochem** 1981 Nov;120(1):1–7
Isolation and characterization of genomic clones covering the chicken vitellogenin gene. Arnberg AC, et al. **Nucleic Acids Res** 1981 Jul 24;9(14):3271–86
Two closely linked transcription units within the 63B heat shock puff locus of D. melanogaster display strikingly different regulation. O'Connor D, et al. **Nucleic Acids Res** 1981 Oct 10;9(19):5075–92
Use of synthetic oligonucleotides as hybridization probes: isolation of cloned cDNA sequences for human beta 2-microglobulin. Suggs SV, et al. **Proc Natl Acad Sci USA** 1981 Nov;78(11):6613–7

METABOLISM

Molecular cloning of DNA sequences coding for mouse embryonic globins. Fantoni A, et al. **Acta Biol Med Ger** 1981;40(4–5):505–10
Human growth hormone and other proteins prepared by recombinant DNA technology. Blethen SL, et al. **Am J Dis Child** 1982 Aug;136(8):669–71
In vitro synthesis of biologically active human leukocyte interferon directed by recombinant plasmid DNA. Weissbach H, et al. **Arch Biochem Biophys** 1981 Aug; 210(1):417–9
Expression in Escherichia coli of urokinase antigenic determinants. Bollen A, et al. **Biochem Biophys Res Commun** 1981 Nov 30;103(2):391–401
Selection of recA+ recombinant cosmids: an easy method for making recA strains temporarily Rec+, permitting P1-mediated transduction in a recA background and transduction of a recA mutation. Chippaux M, et al. **Biochem Biophys Res Commun** 1982 Jun 30;106(4):1269–71
Bacteria-derived human growth hormone lacks lipolytic activity in rat adipose tissue. Frigeri LG, et al. **Biochem Biophys Res Commun** 1982 Feb 11;104(3):1041–6
Recombinant DNA-derived methionyl human growth hormone is similar in membrane binding properties to human pituitary growth hormone. Rosenfeld RG, et al. **Biochem Biophys Res Commun** 1982 May 14;106(1):202–9
Characterization of rat liver oligonucleosomes enriched in transcriptionally active genes: evidence for altered base composition and a shortened nucleosome repeat. Berkowitz EM, et al. **Biochemistry** 1981 Dec 8;20(25):7284–90
Preparation of milligram amounts of 21 deoxyribonucleic acid restriction fragments. Hillen W, et al. **Biochemistry** 1981 Jun 23;20(13):3748–56
Transformation of E. coli using homopolymer-linked plasmid chimeras. Peacock SL, et al. **Biochim Biophys Acta** 1981 Sep 28;655(2):243–50
Fate of amplified nucleoli in Xenopus laevis embryos. Busby SJ, et al. **Dev Biol** 1982 Jun;91(2):458–67
Molecular cloning and characterization of Drosophila genes and their expression during embryonic development and in primary muscle cell cultures. Storti RV, et al. **Dev Biol** 1982 Apr;90(2):272–83
Comparative analysis of cloned larval and adult globin cDNA sequences of Xenopus laevis. Widmer HJ, et al. **Dev Biol** 1981 Dec;88(2):325–32
Consequences of viral genome integration in cultured cells by infection or recombinant DNA. Mussgay M. **Dev Biol Stand** 1981;50:3–11
Similarities between mouse and rat-liver microsomal cytochromes P-450 induced by 3-methylcholanthrene. Evidence from catalytic, immunologic, and recombinant DNA studies. Chen YT, et al. **Eur J Biochem** 1982 Feb; 122(2):361–8
Characterization of monofunctional chorismate mutase/prephenate dehydrogenase enzymes obtained via mutagenesis of recombinant plasmids in vitro. Rood JI, et al. **Eur J Biochem** 1982 Jun;124(3):513–9
The recA-dependent spontaneous degradation of proximal F merogenotes in Escherichia coli. Hubáček J, et al. **Folia Microbiol (Praha)** 1982;27(1):1–6
Structure and variation of human ribosomal DNA: molecular analysis of cloned fragments. Erickson JM, et al. **Gene** 1981 Dec;16(1–3):1–9
A restriction map of the ribosomal RNA genes and the short single-copy DNA sequence of the pearl millet chloroplast genome. Rawson JR, et al. **Gene** 1981 Dec;16(1–3):11–9
Studies on enzymatic methods for processing hybrid proteins produced by recombinant DNA technology. Wünsch E, et al. **Hoppe Seylers Z Physiol Chem** 1981 Sep; 362(9):1285–7
The nucleotide sequence of rabbit embryonic globin gene beta 3. Hardison RC. **J Biol Chem** 1981 Nov 25; 256(22):11780–6
Rat glutathione S-transferase. Cloning of double-stranded cDNA and induction of its mRNA. Kalinyak JE, et al. **J Biol Chem** 1982 Jan 10;257(1):523–30
Specific transcription of homologous class III genes in yeast-soluble cell-free extracts. Klekamp MS, et al. **J Biol Chem** 1982 Jul 25;257(14):8432–41
Plasmid-directed expression of Staphylococcus aureus beta-lactamase by Bacillus subtilis in vitro. McLaughlin JR, et al. **J Biol Chem** 1981 Nov 10;256(21):11272–83
Cyclic AMP regulation of lactate dehydrogenase. Quantitation of lactate dehydrogenase M-subunit messenger RNA in isoproterenol-and N6,O2'-dibutyryl cyclic AMP-stimulated rat C6 glioma cells by hybridization analysis using a cloned cDNA probe. Miles MF, et al. **J Biol Chem** 1981 Dec 10;256(23):12545–52
Structure of the Tetrahymena pyriformis rRNA gene. Nucleotide sequence of the transcription initiation region. Niles EG, et al. **J Biol Chem** 1981 Dec 25;256(24):12849–56
Nonsense and frameshift mutations in beta 0-thalassemia detected in cloned beta-globin genes. Orkin SH, et al. **J Biol Chem** 1981 Oct 10;256(19):9782–4
Rat alpha 1-acid glycoprotein mRNA. Cloning of double-stranded cDNA and kinetics of induction of mRNA levels following acute inflammation. Ricca GA, et al. **J Biol Chem** 1981 Oct 25;256(20):10362–8
Cloning of cDNA for argininosuccinate synthetase mRNA and study of enzyme overproduction in a human cell line. Su TS, et al. **J Biol Chem** 1981 Nov 25;256(22):11826–31
Identification of a DNA clone to phosphoenolpyruvate carboxykinase (GTP) from rat cytosol. Alterations in phosphoenolpyruvate carboxykinase RNA levels detectable by hybridization. Yoo-Warren H, et al. **J Biol Chem** 1981 Oct 25;256(20):10224–7
Properties of human growth hormone polypeptides: purified from pituitary extracts and synthesized in monkey kidney cells and bacteria. Hizuka N, et al. **J Clin Endocrinol Metab** 1982 Sep;55(3):545–50
Both human pituitary growth hormone and recombinant DNA-derived human growth hormone cause insulin resistance at a postreceptor site. Rosenfeld RG, et al. **J Clin Endocrinol Metab** 1982 May;54(5):1033–8
Annealing of oligo(dC)-tailed ds cDNA with oligo(dG)-tailed plasmid and transformation of Escherichia coli chi 1776 with recombinant DNA. Maeda S. **Methods Enzymol** 1981;79(Pt B):611–3
Recombinant plasmids with genes for the biosynthesis of alkaline phosphatase of Escherichia coli. Boidol W, et al. **MGG** 1982;185(3):510–2
R46-derived recombinant plasmids affecting DNA repair and mutation in E. coli. Dowden SB, et al. **MGG** 1982; 186(1):140–4
Activation of SV40 genome by 72-base pair tandem repeats of Moloney sarcoma virus. Levinson B, et al. **Nature** 1982 Feb 18;295(5850):568–72
A model for the molecular requirements of immunoglobulin heavy chain class switching. Marcu KB, et al. **Nature** 1982 Jul 1;298(5869):87–9
Cloning of a new mouse foetal beta-globin mRNA sequence. Affara NA, et al. **Nucleic Acids Res** 1981 Jul 10; 9(13):3061–75
Molecular cloning of the complete Epstein-Barr virus genome as a set of overlapping restriction endonuclease fragments. Arrand JR, et al. **Nucleic Acids Res** 1981 Jul 10;9(13):2999–3014
DNA organisation in the chicken lysozyme gene region. Baldacci P, et al. **Nucleic Acids Res** 1981 Aug 11; 9(15):3575–88
The nucleotide sequence of the cloned rpoD gene for the RNA polymerase sigma subunit from E coli K12. Burton Z, et al. **Nucleic Acids Res** 1981 Jun 25;9(12):2889–903
The primary structure of bovine satellite 1.715. Gaillard C, et al. **Nucleic Acids Res** 1981 Nov 25;9(22):6069–82
Construction and characterization of recombinant plasmid DNAs containing sequences of the origin of bacteriophage phi X174 DNA replication. Heidekamp F, et al. **Nucleic Acids Res** 1981 Jul 24;9(14):3335–54
Localization of putative transcription initiation site on the cloned rDNA fragment of Tetrahymena pyriformis. Higashinakagawa T, et al. **Nucleic Acids Res** 1981 Nov 25;9(22):5905–16
Discriminatory function of ribonuclease H in the selective initiation of plasmid DNA replication. Hillenbrand G, et al. **Nucleic Acids Res** 1982 Feb 11;10(3):833–52
Vitellogenin in Drosophila melanogaster: sequence of the yolk protein I gene and its flanking regions. Hovemann B, et al. **Nucleic Acids Res** 1981 Sep 25;9(18):4721–34
Rapid and efficient cosmid cloning. Ish-Horowicz D, et al. **Nucleic Acids Res** 1981 Jul 10;9(13):2989–98
Recovery of recombinant bacterial plasmids from E. coli transformed with DNA from microinjected mouse cells. Kretschmer PJ, et al. **Nucleic Acids Res** 1981 Nov 25; 9(22):6199–217
Chicken histone H5: selection of a cDNA recombinant using an extended synthetic primer. Krieg PA, et al. **Nucleic Acids Res** 1982 Mar 11;10(5):1495–502
Nucleosomes will not form on double-stranded RNa or over poly(dA).poly(dT) tracts in recombinant DNA. Kunkel GR, et al. **Nucleic Acids Res** 1981 Dec 21;9(24):6869–88
Isolation and characterization of cloned rat DNA fragment carrying tRNA genes. Lasser-Weiss M, et al. **Nucleic Acids Res** 1981 Nov 25;9(22):5965–78
The sequence of human serum albumin cDNA and its expression in E. coli. Lawn RM, et al. **Nucleic Acids Res** 1981 Nov 25;9(22):6103–114
Cloning and mapping of the chloroplast DNA sequences for two messenger RNAs from mustard (Sinapis alba L.). Link G. **Nucleic Acids Res** 1981 Aug 11;9(15):3681–94
Construction of bacterial plasmids containing sequences complementary to chicken alpha-tropomyosin mRNA. MacLeod AR. **Nucleic Acids Res** 1981 Jun 25;9(12):2675–89
The SV40 72 base repair repeat has a striking effect on gene expression both in SV40 and other chimeric recombinants. Moreau P, et al. **Nucleic Acids Res** 1981 Nov 25; 9(22):6047–68
Penicillinase from Bacillus licheniformis: nucleotide sequence of the gene and implications for the biosynthesis of a secretory protein in a Gram-positive bacterium. Neugebauer K, et al. **Nucleic Acids Res** 1981 Jun 11; 9(11):2577–88
Identification of gene products programmed by restriction endonuclease DNA fragments using an E. coli in vitro system. Pratt JM, et al. **Nucleic Acids Res** 1981 Sep 25; 9(18):4459–74

The gene for the large subunit of ribulose-1,5-bisphosphate carboxylase in Euglena gracilis chloroplast DNA: location, polarity, cloning, and evidence for an intervening sequence. Stiegler GL, et al. **Nucleic Acids Res** 1982 Jun 11; 10(11):3427–44

The structure and function of the regulatory elements of the Escherichia coli uvrB gene. van den Berg E, et al. **Nucleic Acids Res** 1981 Nov 11;9(21):5623–43

Construction and partial characterization of two recombinant cDNA clones for procollagen from chicken cartilage. Vuorio E, et al. **Nucleic Acids Res** 1982 Feb 25; 10(4):1175–92

Oligonucleotide directed mutagenesis of the human beta-globin gene: a general method for producing specific point mutations in cloned DNA. Wallace RB, et al. **Nucleic Acids Res** 1981 Aug 11;9(15):3647–56

Antiviral activities of hybrids of two major human leukocyte interferons. Weck PK, et al. **Nucleic Acids Res** 1981 Nov 25;9(22):6153–6

Ribosomal protein genes rp 39(10 - 78), rp 39(11 - 40), rp 51, and rp 52 are not contiguous to other ribosomal protein genes in the Saccharomyces cerevisiae genome. Woolford JL Jr, et al. **Nucleic Acids Res** 1981 Oct 10;9(19):5021–36

An experimental approach to enumerate the genes coding for immunoglobulin variable-regions. Zeelon EP, et al. **Nucleic Acids Res** 1981 Aug 11;9(15):3809–20

Protein synthesis induced by infection with packaged lambda dv plasmid. Akaboshi E, et al. **Plasmid** 1981 Nov; 6(3):315–24

Physical mapping of the pea chloroplast DNA and localization of the ribosomal RNA genes. Chu NM, et al. **Plasmid** 1981 Nov;6(3):279–92

Mapping of transcription initiation and termination signals on Xenopus laevis ribosomal DNA. Bakken A, et al. **Proc Natl Acad Sci USA** 1982 Jan;79(1):56–60

Integration, transcription, and control of a Drosophila heat shock gene in mouse cells. Corces V, et al. **Proc Natl Acad Sci USA** 1981 Nov;78(11):7038–42

Adult chicken alpha-globin genes alpha A and alpha D: no anemic shock alpha-globin exists in domestic chickens. Dodgson JB, et al. **Proc Natl Acad Sci USA** 1981 Oct; 78(10):5998–6002

Varicella zoster virus DNA exists as two isomers. Ecker JR, et al. **Proc Natl Acad Sci USA** 1982 Jan;79(1):156–60

Construction of plasmids for expression of Rous sarcoma virus transforming protein, p60src, in Escherichia coli. Gilmer TM, et al. **Proc Natl Acad Sci USA** 1982 Apr; 79(7):2152–6

Synthesis of stable unspliced mRNA from an intronless simian virus 40--rat preproinsulin gene recombinant. Gruss P, et al. **Proc Natl Acad Sci USA** 1981 Oct;78(10):6095–5

Cloning and sequence of cDNA coding for alpha 1-antitrypsin. Kurachi K, et al. **Proc Natl Acad Sci USA** 1981 Nov;78(11):6826–30

Purified glucocorticoid receptors bind selectively in vitro to a cloned DNA fragment whose transcription is regulated by glucocorticoids in vivo. Payvar F, et al. **Proc Natl Acad Sci USA** 1981 Nov;78(11):6628–32

Expression of early adenovirus genes requires a viral encoded acidic polypeptide. Ricciardi RP, et al. **Proc Natl Acad Sci USA** 1981 Oct;78(10):6121–5

Conditional expression of the vesicular stomatitis virus glycoprotein gene in Escherichia coli. Rose JK, et al. **Proc Natl Acad Sci USA** 1981 Nov;78(11):6670–4

Molecular cloning of a mouse submaxillary gland renin cDNA fragment. Rougeon F, et al. **Proc Natl Acad Sci USA** 1981 Oct;78(10):6367–71

Yeast tRNA3Leu gene transcribed and spliced in a HeLa cell extract. Standring DN, et al. **Proc Natl Acad Sci USA** 1981 Oct;78(10):5963–7

Production in Escherichia coli of biologically active secretin, a gastrointestinal hormone. Suzuki M, et al. **Proc Natl Acad Sci USA** 1982 Apr;79(8):2475–9

Molecular cloning of the genome of poliovirus type 1. van der Werf S, et al. **Proc Natl Acad Sci USA** 1981 Oct; 78(10):5983–7

Microinjection of a rabbit beta-globin gene into zygotes and its subsequent expression in adult mice and their offspring. Wagner TE, et al. **Proc Natl Acad Sci USA** 1981 Oct; 78(10):6376–80

Integration and stable germ line transmission of genes injected into mouse pronuclei. Gordon JW, et al. **Science** 1981 Dec 11;214(4526):1244–6

Enhancing the efficiency of DNA-mediated gene transfer in mammalian cells. Corsaro CM, et al. **Somatic Cell Genet** 1981 Sep;7(5):603–16

Competence for DNA transfer of ouabain resistance and thymidine kinase: clonal variation in mouse L-cell recipients. Corsaro CM, et al. **Somatic Cell Genet** 1981 Sep; 7(5):617–30

[Polypeptide synthesis dependent on kinetoplast DNA from Crithidia oncopelti in a cell-free system of E. coli] Zaltseva GN, et al. **Biokhimiia** 1981 Nov;46(11):2056–63 (Eng. Abstr.) **(Rus)**

[Enzymatic synthesis and molecular cloning of the pigeon alpha-globin structural gene] Skobeleva NA, et al. **Mol Biol (Mosk)** 1981 Nov-Dec;15(6):1224–33 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

[Recombinant DNA and genetic manipulation, reality and fantasy (author's transl)] Winkler KC. **Tijdschr Diergeneeskd** 1982 Jan 1;107(1):4–11 (Eng. Abstr.) **(Dut)**

THERAPEUTIC USE

Cline loses two NIH grants [news] Sun M. **Science** 1981 Dec 11;214(4526):1220

DNA RELAXING ENZYMES see **DNA UNTWISTING PROTEINS**

DNA REPAIR

see related
PYRIMIDINE DIMERS

Human monocytes and lymphocytes differ in the rate of DNA repair synthesis and viability after exposure to nitrogen mustard. Lewensohn R, et al. **Acta Med Scand** 1981;210(5):381–7

Recent developments in the mechanisms of DNA repair and in the role of DNA repair in chemical carcinogenesis and cancer chemotherapy. Roberts JJ. **Adv Exp Med Biol** 1981; 136 Pt B:1367–87

Normal reconstruction of DNA supercoiling and chromatin structure in cockayne syndrome cells during repair of damage from ultraviolet light. Cleaver JE. **Am J Hum Genet** 1982 Jul;34(4):566–75

Sensitive detection of specific repair endonucleases: radial diffusion assay utilizing differential alkaline denaturation of supercoiled and nicked PM2 DNA in agarose gels. Hurley DL, et al. **Anal Biochem** 1981 Dec;118(2):371–81

Growth, DNA repair, sister chromatid exchange and chromosome studies in fibroblasts from Huntington's disease patients. Delhanty JD, et al. **Ann Hum Genet** 1981 May;45(Pt 2):181–98

DNA modification and repair in the experimental induction of nervous system tumors by chemical carcinogens. Kleihues P, et al. **Ann NY Acad Sci** 1982;381:290–303

DNA repair enzymes. Lindahl T. **Annu Rev Biochem** 1982; 51:61–87 (151 ref.)

Bacillus subtilis 'rec assay' test with isogenic strains. Mazza G. **Appl Environ Microbiol** 1982 Jan;43(1):177–84

Pharmacokinetic studies on the drug-related lupus syndrome. Differences in antinuclear antibody development and drug-induced DNA damage in rapid and slow acetylator animal models. Weber WW, et al. **Arthritis Rheum** 1981 Aug;24(8):979–86

Molecular and cellular mechanisms of mutagenesis. Proceedings of a symposium. April 5–9, 1981, Gatlinburg, Tennessee. **Basic Life Sci** 1982;20:1–387

Site-specific mutagenesis: a new approach for studying the molecular mechanisms of mutation by carcinogens. Chambers RW. **Basic Life Sci** 1982;20:121–45

Methylation-instructed mismatch correction as a postreplication error avoidance mechanism in Escherichia coli. Glickman BW. **Basic Life Sci** 1982;20:65–87 (64 ref.)

New approaches to DNA damage and repair: the ultraviolet light example. Haseltine WA, et al. **Basic Life Sci** 1982; 20:315–22

Cellular responses to mutagenic agents: a summary and perspective. Kondo S. **Basic Life Sci** 1982;20:103–7

Alterations in chromatin structure during DNA excision repair. Lieberman MW. **Basic Life Sci** 1982;20:303–14

Cellular defense mechanisms against alkylation of DNA. Lindahl T, et al. **Basic Life Sci** 1982;20:89–102

In vitro replication of mutagen-damaged DNA: sites of termination. Moore PD, et al. **Basic Life Sci** 1982;20:179–97

Mutagenesis and repair in yeast mitochondrial DNA. Moustacchi E, et al. **Basic Life Sci** 1982;20:273–301 (120 ref.)

Single-stranded gaps as localized targets for in vitro mutagenesis. Shortle D, et al. **Basic Life Sci** 1982;20:147–55

Mutagenesis from a chemical perspective: nucleic acid reactions, repair, translation, and transcription. Singer B. **Basic Life Sci** 1982;20:1–42 (157 ref.)

Regulation and functions of Escherichia coli genes induced by DNA damage. Walker GC, et al. **Basic Life Sci** 1982; 20:43–63 (47 ref.)

Post replication repair in an excision defective strain of Escherichia coli following treatment with cis dichlorodiammineplatinum(II). Alazard RJ, et al. **Biochem Biophys Res Commun** 1982 Jan 29;104(2):693–700

Inhibition of (ADP-ribose)n biosynthesis retards DNA repair but does not inhibit DNA repair synthesis. Durkacz BW, et al. **Biochem Biophys Res Commun** 1981 Aug 31; 101(4):1433–41

Impaired repair capacity of DNA strand breaks induced by 125I-triiodothyronine in Chinese hamster cells. Sundell-Bergman S, et al. **Biochem Biophys Res Commun** 1982 May 31;106(2):546–52

Effect of partial hepatectomy on removal of O6-methylguanine from alkylated DNA by rat liver extracts. Pegg AE, et al. **Biochem J** 1981 Jul 1; 197(1):195–201

Repair of deoxyribonucleic acid lesions caused by adriamycin and ellipticine. Ross WE, et al. **Biochem Pharmacol** 1982 May 15;31(10):1931–5

Characterization of deoxyribonucleic acid repair synthesis in permeable human fibroblasts. Dresler SL, et al. **Biochemistry** 1982 May 11;21(10):2557–64

Comparison of the effects of hydrogen peroxide and x-ray irradiation on toxicity, mutation, and DNA damage/repair in mammalian cells (V-79). Bradley MO, et al. **Biochim Biophys Acta** 1981 Jun 26;654(1):135–41

Thermal inhibition of repair of methylmethane sulfonate-damaged DNA in chick embryo fibroblasts. Bronk BV, et al. **Biochim Biophys Acta** 1982 Jun 30; 697(3):278–85

Repair of ultraviolet-light-induced DNA damage in vibrio cholerae. Das G, et al. **Biochim Biophys Acta** 1981 Oct 27;655(3):413–20

Adaptive repair of cross-links in DNA of Micrococcus radiodurans. Kitayama S. **Biochim Biophys Acta** 1982 Jun 30;697(3):381–4

Eukaryotic DNA repair is blocked at different steps by inhibitors of DNA topoisomerases and of DNA polymerases alpha and beta. Mattern MR, et al. **Biochim Biophys Acta** 1982 Apr 26;697(1):6–13

Loss of thymine dimers from mammalian cell DNA. The kinetics for antibody-binding sites are not the same as that for T4 endonuclease V sites. Mitchell DL, et al. **Biochim Biophys Acta** 1982 Jun 30;697(3):270–7

Quantitation of the repair of gamma-radiation-induced double-strand DNA breaks in human fibroblasts. Woods WG. **Biochim Biophys Acta** 1981 Oct 27;655(3):342–8

Sensitivity of exponentially growing populations of Escherichia coli to photo-induced psoralen-DNA interstrand crosslinks. Grover NB, et al. **Biophys J** 1981 Jan;33(1):93–106

Correlation among the rates of dimer excision, DNA repair replication, and recovery of human cells from potentially lethal damage induced by ultraviolet radiation. Konze-Thomas B, et al. **Biophys J** 1979 Nov;28(2):315–25

Application of arabinofuranosyl cytosine in the kinetic analysis and quantitation of DNA repair in human cells after ultraviolet irradiation. Snyder RD, et al. **Biophys J** 1981 Aug;35(2):339–50

Human diseases characterized by heritable DNA instability. Carter DM. **Birth Defects** 1981;17(2):117–28 (50 ref.)

Induction of DNA repair synthesis in isolated rat hepatocytes by 5-diazouracil and other DNA damaging compounds. Andrae U, et al. **Cancer Lett** 1981 Aug;13(3):187–93

Inactivation of ultraviolet repair in normal and xeroderma pigmentosum cells by methyl methanesulfonate. Cleaver JE. **Cancer Res** 1982 Mar;42(3):860–3

Effect of acute doses of 2-acetylaminofluorene on the capacity of rat liver to repair methylated purines in DNA in vivo and in vitro. Cooper DP, et al. **Cancer Res** 1982 Oct;42(10):4203–9

Detection of DNA single-strand breaks produced during the repair of damage by DNA-protein cross-linking agents. Fornace AJ Jr. **Cancer Res** 1982 Jan;42(1):145–9

Repair of psoralen-treated DNA by genetic recombination in human cells infected with herpes simplex virus. Hall JD, et al. **Cancer Res** 1981 Dec;41(12 Pt 1):5033–8

Excision repair of aflatoxin B1-DNA adducts in human fibroblasts. Leadon SA, et al. **Cancer Res** 1981 Dec;41(12 Pt 1):5125–9

Different activities of unscheduled DNA synthesis in human melanoma and bone marrow cells. Lewensohn R, et al. **Cancer Res** 1982 Jan;42(1):84–8

Defective removal of DNA cross-links in a repair-deficient mutant of Chinese hamster cells. Meyn RE, et al. **Cancer Res** 1982 Aug;42(8):3106–10

Kinetics of O6-methylguanine repair in human normal and ataxia telangiectasia cell lines and correlation of repair capacity with cellular sensitivity to methylating agents. Shiloh Y, et al. **Cancer Res** 1981 Dec;41(12 Pt 1):5114–20

The involvement of DNA topoisomerases in DNA repair and mutagenesis. Crumplin GC. **Carcinogenesis** 1981; 2(2):157–60

Induction of the DNA repair enzymes uracil DNA glycosylase and 3-methyladenine DNA glycosylase in regenerating rat liver. Gombar CT, et al. **Carcinogenesis** 1981;2(7):595–9

Resistance of Salmonella typhimurium TA 1535 to O6-guanine methylation and mutagenesis induced by low doses of N-methyl-N'-nitro-N-nitrosoguanidine: an apparent constitutive repair activity. Guttenplan JB, et al. **Carcinogenesis** 1982;3(3):327–31

Repair of ethylnitrosourea-induced DNA damage in the newborn rat. II. Localization of unscheduled DNA synthesis in the developing rat brain. Heyting C, et al. **Carcinogenesis** 1981;2(11):1173–80

Human tumor strains defective in the repair of alkylated DNA fail to regenerate rapidly-sedimenting nucleoids after N-methyl-N'-nitro-N-nitrosoguanidine treatment. Mattern MR, et al. **Carcinogenesis** 1981;2(11):1215–8

DNA damage and its repair in human normal or xeroderma pigmentosum fibroblasts treated with 4-nitroquinoline 1-oxide or its 3-methyl derivative. Mirzayans R, et al. **Carcinogenesis** 1981·2(12):1359–62

Role of DNA repair in ethyl methanesulfonate-induced mutagenesis in Saccharomyces cerevisiae. Prakash L, et al. **Carcinogenesis** 1982;3(4):439–44

Much of spontaneous mutagenesis in Escherichia coli is due to error-prone DNA repair: implications for spontaneous carcinogenesis. Sargentini NJ, et al. **Carcinogenesis** 1981; 2(9):863–72

Tissue-dependent enzyme-mediated repair or removal of O-ethyl pyrimidines and ethyl purines in carcinogen-treated rats. Singer B, et al. **Carcinogenesis** 1981;2(10):1069–73

Alkaline sucrose sedimentation analysis as an indicator of repair capability of xeroderma pigmentosum fibroblasts for

4-nitroquinoline-1-oxide damage. Walker IG. **Carcinogenesis** 1981;2(8):691-5
Deficient repair of chemical adducts in alpha DNA of monkey cells. Zolan ME, et al. **Cell** 1982 Mar;28(3):613-9
Correlation between DNA excision repair and mammalian lifespan in lens epithelial cells. Treton JA, et al. **Cell Biol Int Rep** 1982 Mar;6(3):253-60
Excision of benzo[a]pyrene diol epoxide I adducts from nucleosomal DNA of confluent normal human fibroblasts. Kaneko M, et al. **Chem Biol Interact** 1982 Feb;38(3):261-74
The formation and repair of O6-methylguanine in rat liver nucleolar DNA after dimethylnitrosamine administration studied by radioimmunoassay. Kyrtopoulos SA, et al. **Chem Biol Interact** 1981 Oct;37(1-2):191-7
The persistence of DNA damage in the pancreas of syrian golden hamsters treated with N-nitrosobis(2-oxopropyl)-amine. Lawson T, et al. **Chem Biol Interact** 1982 Feb;38(3):317-23
Chronic or acute administration of various dialkylnitrosamines enhances the removal of O6-methylguanine from rat liver DNA in vivo. Margison GP. **Chem Biol Interact** 1982 Jan;38(2):189-201
Reassociation of human lymphoblastoid cell DNA repair replicated following methyl methanesulfonate treatment. Meltz ML, et al. **Chem Biol Interact** 1982 Mar 1;39(1):77-88
A model for the effect of excision repair on the survival of human cells exposed to chemical carcinogens. Miller JH, et al. **Chem Biol Interact** 1982 Mar 1;39(1):45-55
The role of DNA repair in the recovery of human cells from cisplatin toxicity. Pera MF Jr, et al. **Chem Biol Interact** 1981 Oct;37(1-2):245-61
The frequency of interstrand cross-links in DNA following reaction of cis-diamminedichloroplatinum(II) with cells in culture or DNA in vitro: stability of DNA cross-links and their repair. Roberts JJ, et al. **Chem Biol Interact** 1982 Mar 15;39(2):181-9
A brief review of lyophilization damage and repair in bacterial preparations. Heckly RJ, et al. **Cryobiology** 1981 Dec;18(6):592-7 (26 ref.)
Flow cytometric characterization of the response of Fanconi's anemia cells to mitomycin C treatment. Kaiser TN, et al. **Cytometry** 1982 Mar;2(5):291-7
Reaction with DNA and DNA-repair in chemical carcinogenesis. Swann PF, et al. **Dev Toxicol Environ Sci** 1930;8:219-29 (52 ref.)
DNA polymerase, DNA ligase, and thymidine kinase activity in chicken lens, related to DNA X-ray lesion repair. Counis MF, et al. **Differentiation** 1981;20(3):188-95
Alkylation of mammalian cell DNA, persistence of adducts, and relationship to carcinogenesis. Bresnick E, et al. **Drug Metab Rev** 1982;13(2):189-205 (26 ref.)
Genes controlling sensitivity to alkylation and x-ray damage on chromosome 3 of Drosophila melanogaster. Beck AK, et al. **Environ Mutagen** 1980;2(3):425-9
Bacterial mutagenesis: review of new insights. Hartman PE. **Environ Mutagen** 1980;2(1):3-16 (104 ref.)
Use of hydroxyurea in the measurement of DNA repair by the BND cellulose method. Irwin J, et al. **Environ Mutagen** 1980;2(3):381-8
Genotoxic activity in microorganisms of tetryl, 1,3-dinitrobenzene and 1,3,5-trinitrobenzene. McGregor DB, et al. **Environ Mutagen** 1980;2(4):531-41
A maternal effect in homozygous mei-9a mei-41D5 repair deficient Drosophila melanogaster females influencing the recovery rate of progeny bearing a Y chromosome. Zimmering S, et al. **Environ Mutagen** 1980;2(4):543-5
Potentiation of chromosome loss induced in the paternal genome by methyl methanesulfonate and procarbazine following matings with repair deficient mei-9a females of Drosophila. Zimmering S, et al. **Environ Mutagen** 1980; 2(4):515-20
Evidence that the repair deficient mei-9a female in Drosophila melanogaster is a strong potentiator of chromosome loss induced in the paternal genome by dimethylnitrosamine. Zimmering S, et al. **Environ Mutagen** 1980;2(2):187-90
A note on the utility of repair-deficient st mus302 Drosophila females in detecting chromosome loss and sex-linked recessive lethals induced in the male genome by methyl methanesulfonate (MMS) and dimethylnitrosamine (DMN). Zimmering S. **Environ Mutagen** 1982;4(3):291-3
Base-excision repair in carrot cells. Partial purification and characterization of uracil-DNA glycosylase and apurinic/apyrimidinic endodeoxyribonuclease. Talpaert-Borlè M, et al. **Eur J Biochem** 1982 Jun; 124(3):435-40
DNA-damage in human cells treated with the closely related alkylating agents peptichemio, m-L-sarcolysin and melphalan. Ringborg U, et al. **Eur J Cancer Clin Oncol** 1981 Sep;17(9):991-6
Fibre autoradiography of repair and replication in DNA from single cells: the effect of DNA synthesis inhibitors. Ockey CH. **Eur J Cell Biol** 1982 Apr;27(1):25-33
Interaction of human and chick DNA repair functions in UV-irradiated xeroderma pigmentosum-chick erythrocyte heterokaryons. Bootsma D, et al. **Exp Cell Res** 1982 Jan; 137(1):181-9
DNA repair in cultured human fibroblasts does not decline with donor age. Hall JD, et al. **Exp Cell Res** 1982 Jun; 139(2):351-9
Complement analysis of xeroderma pigmentosum variants. Jaspers NG, et al. **Exp Cell Res** 1981 Nov;136(1):81-90
Phenotypic correction of the defect in xeroderma pigmentosum cells after fusion with isolated cytoplasts. Keijzer W, et al. **Exp Cell Res** 1982 Jul;140(1):119-25
Differentiated cells from BALB/c mice differ in their radiosensitivity. Rahmsdorf HJ, et al. **Exp Cell Res** 1981 Nov;136(1):111-7
Repair DNA synthesis in heterokaryons during reactivation of chick erythrocytes fused with human dipioid fibroblasts or HeLa cells. Van der Veer E, et al. **Exp Cell Res** 1982 Apr;138(2):469-74
Low level of U.V.-induced unscheduled DNA synthesis in postmitotic brain cells of hamsters: possible relevance to aging. Gensler HL. **Exp Gerontol** 1981;16(2):199-207
Activity of uracil-DNA glycosylase in different rat tissues and in regenerating rat liver. Aprelikova ON, et al. **FEBS Lett** 1982 Jan 25;137(2):193-5
Mammalian DNA-repair endonuclease acts only on supercoiled DNA. Helland D, et al. **FEBS Lett** 1982 Jun 1;142(1):121-4
[Methyl-3H]thymidine in DNA induces lesions which are recognized by a mammalian DNA-repair endonuclease. Nes IF. **FEBS Lett** 1981 Oct 26;133(2):217-20
Genotoxicity of 5-methoxypsoralen and near ultraviolet light in repair-deficient strains of Escherichia coli WP2. Pool BL, et al. **Food Chem Toxicol** 1982 Apr;20(2):177-81
Identification of a second locus in Drosophila melanogaster required for excision repair. Boyd JB, et al. **Genetics** 1982 Feb;100(2):239-57
Induced repair of genetic damage in Neurospora. Stadler D, et al. **Genetics** 1981 Aug;98(4):763-74
Altered DNA repair in fibroblasts from aged rats. Fort FL, et al. **Gerontology** 1981;27(6):306-12
Correlation between DNA repair and cholesterol concentration in blood serum and lymphocytes. Dil'man VM, et al. **Hum Physiol** 1981 Jan-Feb;7(1):61-5
Genetic & molecular events in the repair of DNA exposed to psoralen + near-UV light in Haemophilus influenzae. George MF, et al. **Indian J Exp Biol** 1981 Feb;19(2):105-11
Light-induced chromatid damage in human skin fibroblasts in culture in relation to their neoplastic potential. Parshad R, et al. **Int J Cancer** 1981 Sep 15;28(3):335-40
Induction and repair of single-strand DNA breaks after X-irradiation of human fibroblasts deficient in glutathione. Edgren M, et al. **Int J Radiat Biol** 1981 Oct;40(4):355-63
Intercellular co-operation in repairing radiation-induced single-strand DNA breaks. Edgren M. **Int J Radiat Biol** 1982 May;41(5):589-93
Supercoiled DNA repair in thymocyte fractions differing in radiosensitivity. Filippovich IV, et al. **Int J Radiat Biol** 1982 Jul;42(1):31-44
DNA repair synthesis in minimally stressed human lymphocytes. Forell B, et al. **Int J Radiat Biol** 1982 May; 41(5):535-45
Increased rate of repair of ultraviolet-induced DNA strand breaks in mitogen stimulated lymphocytes. Hamlet SM, et al. **Int J Radiat Biol** 1982 May;41(5):483-91
DNA repair and replication in radiation-sensitive and -resistant mouse lymphoma cells gamma-irradiated under aerobic and hypoxic conditions. Johanson KJ, et al. **Int J Radiat Biol** 1982 Mar;41(3):261-70
Conversion of potentially lethal damage to lethal damage in Escherichia coli inhibited by caffeine. Koukalová B, et al. **Int J Radiat Biol** 1981 Oct;40(4):375-84
The repair of sub-lethal damage and the stimulated repair of potentially lethal damage in Saintpaulia. Leenhouts HP, et al. **Int J Radiat Biol** 1981 Oct;40(4):413-25
Viscosimetric analysis of the occurrence and repair of DNA single-strand breaks in irradiated animal tissues. Ryabchenko NI, et al. **Int J Radiat Biol** 1982 Apr; 41(4):389-99
Kinetics of repair of DNA single-strand breaks in cultured mammalian cells. Part I. The dependence on irradiation dose and cell cycle stage. Vexler FB, et al. **Int J Radiat Biol** 1982 Apr;41(4):453-7
Are inducible components involved in the repair of irradiated neuronal and brain tumour DNA? Wheeler KT, et al. **Int J Radiat Biol** 1981 Sep;40(3):293-6
Radiobiological basis of total body irradiation with different dose rate and fractionation: repair capacity of hemopoietic cells. Song CW, et al. **Int J Radiat Oncol Biol Phys** 1981 Dec;7(12):1695-701
Evidence for a fast repair of apurinic sites induced by N-nitroso-dimethylamine in rat liver DNA. Parodi S, et al. **Ital J Biochem** 1981 Sep-Oct;30(5):375-87
In vitro host cell reactivation of alkylated bacteriophage T7 deoxyribonucleic acid by repair-deficient strains of Escherichia coli. Dodson LA, et al. **J Bacteriol** 1981 Sep; 147(3):720-7
Ligase-deficient yeast cells exhibit defective DNA rejoining and enhanced gamma ray sensitivity. Moore CW. **J Bacteriol** 1982 Jun;150(3):1227-33
Regulation of the Escherichia coli K-12 uvrB operon. Schendel PF, et al. **J Bacteriol** 1982 May;150(2):676-85
Genetic mapping of ada and adc mutations affecting the adaptive response of Escherichia coli to alkylating agents. Sedgwick B. **J Bacteriol** 1982 May;150(2):984-8
Resident enhanced repair: novel repair process action on plasmid DNA transformed into Escherichia coli K-12. Strike P, et al. **J Bacteriol** 1982 Apr;150(1):385-8
Role of exonuclease III in the base excision repair of uracil-containing DNA. Taylor AF, et al. **J Bacteriol** 1982 Jul;151(1):351-7
Effects of the ssb-1 and ssb-113 mutations on survival and DNA repair in UV-irradiated delta uvrB strains of Escherichia coli K-12. Wang TC, et al. **J Bacteriol** 1982 Jul;151(1):186-92
Incision and postincision steps of pyrimidine dimer removal in excision-defective mutants of Saccharomyces cerevisiae. Wilcox DR, et al. **J Bacteriol** 1981 Nov;148(2):618-23
Ability of Bacillus subtilis protoplasts to repair irradiated bacteriophage deoxyribonucleic acid via acquired and natural enzymatic systems. Yasbin RE, et al. **J Bacteriol** 1981 Sep;147(3):949-53
ADP-ribosyltransferase activity in cultured hepatocytes. Interactions with DNA repair. Althaus FR, et al. **J Biol Chem** 1982 May 25;257(10):5528-35
Preparation of psoralen-cross-linked R-loops and generation of large deletions by their repair in vivo. Chatterjee PK, et al. **J Biol Chem** 1982 Aug 10;257(15):9173-80
On the recognition and cleavage mechanism of Escherichia coli endodeoxyribonuclease V, a possible DNA repair enzyme. Demple B, et al. **J Biol Chem** 1982 Mar 25; 257(6):2848-55
A new pathway expressed during a distinct stage of Drosophila development for the removal of dUMP residues in DNA. Deutsch WA, et al. **J Biol Chem** 1982 Apr 10; 257(7):3366-8
Repair of mitochondrial DNA in Saccharomyces cerevisiae. Induction of cytoplasmic petite mutants in a nuclear mutant exhibiting thermosensitive mitochondrial deoxyribonuclease activity. Foury F. **J Biol Chem** 1982 Jan 25;257(2):781-7
Uracil-DNA glycosylase. Purification and properties of uracil-DNA glycosylase from Micrococcus luteus. Leblanc JP, et al. **J Biol Chem** 1982 Apr 10;257(7):3477-83
The roles of DNA polymerases alpha, beta, and gamma in DNA repair synthesis induced in hamster and human cells by different DNA damaging agents. Miller MR, et al. **J Biol Chem** 1982 Sep 10;257(17):10204-9
Evidence that DNA polymerases alpha and beta participate differentially in DNA repair synthesis induced by different agents. Miller MR, et al. **J Biol Chem** 1982 Jan 10; 257(1):46-9
Properties of purified uracil-DNA glycosylase from calf thymus. An in vitro study using synthetic DNA-like substrates. Talpaert-Borlé M, et al. **J Biol Chem** 1982 Feb 10;257(3):1208-14
Formation and resealing of intercalator-induced DNA strand breaks in permeabilized L1210 cells without the stimulated synthesis of poly(ADP-ribose). Zwelling LA, et al. **J Biol Chem** 1982 Aug 10;257(15):8957-63
Repair responses to DNA damage: enzymatic pathways in E coli and human cells. Hanawalt PC, et al. **J Cell Biochem** 1982;18(3):271-83
Differential reactivation of zinc-mediated metallothionein induction in ultraviolet-irradiated normal and repair-deficient human cells. Hildebrand CE, et al. **J Cell Biochem** 1982;18(1):121-33
Repair of strand breaks in superhelical DNA of ataxia telangiectasia lymphoblastoid cells. Lavin MF, et al. **J Cell Sci** 1981 Apr;48:383-91
DNA repair synthesis in subpopulations of human lymphocytes. Lewensohn R, et al. **J Cell Sci** 1982 Apr; 54:69-78
Plasmid R46-mediated protection against bleomycin is poLA+-dependent. Attfield PV, et al. **J Gen Microbiol** 1982 Mar;128(Pt 3):539-47
Novel patterns of ultraviolet mutagenesis and Weigle reactivation in Staphylococcus aureus and phage phi 11. Thompson JK, et al. **J Gen Microbiol** 1981 May;124(Pt 1):147-57
Role of DNA repair genes and an R plasmid in conferring cryoresistance on Pseudomonas aeruginosa. Williams DL, et al. **J Gen Microbiol** 1982 Jan;128 (Pt 1):215-8
A common mechanism for repair of O6-methylguanine and O6-ethylguanine in DNA. Sedgwick B, et al. **J Mol Biol** 1982 Jan 5;154(1):169-75
Double-strand breaks in DNA caused by repair of damage due to ultraviolet light. Bradley MO. **J Supramol Struct Cell Biochem** 1981;16(4):337-43
Rejoining of DNA double-strand breaks in human fibroblasts and its impairment in one ataxia telangiectasia and two Fanconi strains. Coquerelle TM, et al. **J Supramol Struct Cell Biochem** 1981;17(4):369-76
The repair of DNA damage: recent developments and new insights. Friedberg EC, et al. **J Supramol Struct Cell Biochem** 1981;16(1):91-103
Repair of Bleomycin-damaged DNA by human fibroblasts. Hurt MM, et al. **J Supramol Struct Cell Biochem** 1981; 16(4):303-9
Simian virus 40 as a probe for studying inducible repair functions in mammalian cells. Mezzina M, et al. **J Supramol Struct Cell Biochem** 1981;17(2):121-31
The in vivo formation and repair of DNA adducts from 1'-hydroxysafrole. Phillips DH, et al. **J Supramol Struct Cell Biochem** 1981;16(1):83-90
Effects of nicotinamide on NAD and poly(ADP-ribose) metabolism in DNA-damaged human lymphocytes. Sims JL, et al. **J Supramol Struct Cell Biochem** 1981;16(3):281-8
Demonstration of pyrimidine dimer-DNA glycosylase activity in vivo: bacteriophage T4-infected Escherichia coli as a model system. Radany EH, et al. **J Virol** 1982 Jan;41(1):88-96
Evidence that the UV endonuclease activity induced by

bacteriophage T4 contains both pyrimidine dimer-DNA glycosylase and apyrimidinic/apurinic endonuclease activities in the enzyme molecule. Warner HR, et al. **J Virol** 1981 Oct;40(1):204–10

Excision repair and patch size in UV-irradiated bacteriophage T4. Yarosh DB, et al. **J Virol** 1981 Nov; 40(2):465–71

DNA repair in a congeneic pair of mice with different longevities. Collier IE, et al. **Mech Ageing Dev** 1982 Jun; 19(2):141–6

Photoreactivation in two closely related marine fishes having different longevities. Regan JD, et al. **Mech Ageing Dev** 1982 Jan;18(1):59–66

Postreplication repair defects in mutants of Drosophila melanogaster. Boyd JB, et al. **MGG** 1982;186(2):289–94

Postreplication repair-defective mutants of Drosophila melanogaster fall into two classes. Brown TC, et al. **MGG** 1981;183(2):356–62

The role of pyrimidine dimers in postreplication repair in Neurospora. Calza RE, et al. **MGG** 1982;186(1):127–34

Postreplication repair in Neurospora crassa. Calza RE, et al. **MGG** 1982;185(1):111–9

Role of DNA replication in the induction and turn-off of the SOS response in Escherichia coli. Casaregola S, et al. **MGG** 1982;185(3):440–4

Plasmid pKM101-mediated mutagenesis in Escherichia coli is inducible. Ciesla Z. **MGG** 1982;186(2):298–300

Characterization of long patch excision repair of DNA in ultraviolet-irradiated Escherichia coli: an inducible function under rec-lex control. Cooper PK. **MGG** 1982; 185(2):189–97

R46-derived recombinant plasmids affecting DNA repair and mutation in E. coli. Dowden SB, et al. **MGG** 1982; 186(1):140–4

Misrepair mutagenesis in Myxococcus xanthus: induction of rifampicin-resistant mutants by N-methyl-N'-nitro-N-nitrosoguanidine and ultraviolet-irradiation. Herdrich K, et al. **MGG** 1981; 182(2):304–9

Repair and plasmid R46 mediated mutation requires inducible functions in Proteus mirabilis. Hofemeister J, et al. **MGG** 1981;183(2):369–75

Repair of interstrand cross-links in DNA of Saccharomyces cerevisiae requires two systems for DNA repair: the RAD3 system and the RAD51 system. Jachymczyk WJ, et al. **MGG** 1981;182(2):196–205

Are pyrimidine dimers non-instructive lesions? Lawrence CW. **MGG** 1981;182(3):511–3

Inducible DNA repair in Ustilago maydis. Lee MG, et al. **MGG** 1982;185(2):245–50

Apurinic endonuclease from Drosophila melanogaster: reduced enzymatic activity in excision-deficient mutants of the mei-9 and mus(2)201 Loci. Osgood CJ, et al. **MGG** 1982;186(2):235–9

Radioprotecting action of chemical compounds on gamma-irradiated yeast cells of various genotypes. Petin VG, et al. **MGG** 1981;183(1):152–7

Induced radioresistance: an aspect of induced repair. Pollard EC, et al. **MGG** 1981;184(3):421–9

Characterization of postreplication repair in Saccharomyces cerevisiae and effects of rad6, rad18, rev3 and rad52 mutations. Prakash L. **MGG** 1981;184(3):471–8

UV-repair is impaired in fibroblasts from patients with Fanconi's anemia. Schwaiger H, et al. **MGG** 1982; 185(3):454–6

Proteolytic activities in yeast after UV irradiation. II. Variation in proteinase levels in mutants blocked in DNA-repair pathways. Schwencke J, et al. **MGG** 1982; 185(2):296–301

Proteolytic activities in yeast after UV irradiation I. Variation in proteinase levels in repair proficient Rad+ strains. Schwencke J, et al. **MGG** 1982;185(2):290–5

Damage to DNA induces expression of the ruv gene of Escherichia coli. Shurvinton CE, et al. **MGG** 1982; 185(2):352–5

The muc+ gene of plasmid pKM101 prevents respiration shutoff in far ultraviolet-irradiated Salmonella typhimurium. Swenson PA. **MGG** 1981;182(3):422–5

UV-induced allevation of lambda restriction in Escherichia coli K-12: kinetics of induction and specificity of this SOS function. Thoms B, et al. **MGG** 1982;186(1):111–7

DNA repair in E. coli strains deficient in single-strand DNA binding protein. Whittier RF, et al. **MGG** 1981;183(2):341–7

Mutagenic effect of furocoumarin monoadducts and cross-links on bacteriophage lambda. Belogurov AA, et al. **Mutat Res** 1981 Nov;84(1):11–5

Plasmid pKM101-dependent repair and mutagenesis in Escherichia coli cells with mutations lexB30 tif and zab-53 in the recA gene. Blanco M, et al. **Mutat Res** 1981 May; 81(3):265–75

Induction and repair of psoralen cross-links in DNA of normal human and xeroderma pigmentosum fibroblasts. Bredberg A, et al. **Mutat Res** 1982 Mar;93(1):221–34

A new pathway for repair of cross-linkable 8-methoxypsoralen mono-adducts in Uvr strains of Escherichia coli. Bridges BA, et al. **Mutat Res** 1982 Feb 22;92(1–2):9–14

Repair of double-strand breaks in a temperature conditional radiation-sensitive mutant of Saccharomyces cerevisiae. Budd M, et al. **Mutat Res** 1982 Jan;103(1):19–24

Validation of a DNA-repair synthesis assay on pools of fresh and frozen-thawed lymphocytes. Capelli E, et al. **Mutat Res** 1982 Apr;104(1–3):187–91

DNA strand breaks and repair synthesis in Yoshida sarcoma: cells with differential sensitivities to bi-functional alkylating agents and UV light. Carr FJ, et al. **Mutat Res** 1981 Sep;83(2):233–49

Genetic study on the effects of the repair-deficient mutant females mei-9a, mei-41D5, mus101D1, mus104D1 and mus302D1 of Drosophila on spontaneous and X-ray-induced chromosome loss in the paternal genome. Cooper SF, et al. **Mutat Res** 1981 May;81(3):345–56

Repair of double-strand DNA breaks in Drosophila. Dezzani W, et al. **Mutat Res** 1982 Feb 22;92(1–2):151–60

The effects of mutations in the polA and recA genes on mutagenesis by nitrosoguanidine in Salmonella typhimurium. Diver WP, et al. **Mutat Res** 1981 Oct; 83(3):349–59

Modification of MR mutator activity in repair-deficient strains of Drosophila melanogaster. Eeken JC, et al. **Mutat Res** 1981 Sep;83(2):191–200

DNA-repair synthesis in ataxia telangiectasis lymphoblastoid cells. Ford MD, et al. **Mutat Res** 1981 Dec;84(2):419–27

Repair of trans-Pt(II) diamminedichloride DNA-protein crosslinks in normal and excision-deficient human cells. Fornace AJ Jr, et al. **Mutat Res** 1982 Jun;94(2):277–84

Mutagenicity of 4-chloromethylbiphenyl in repair-deficient strains of Salmonella typhimurium. Forster R. **Mutat Res** 1982 Jan-Feb;100(1–4):75–9

Genetic damage induced by X-rays or neutrons in spermatozoa of Drosophila melanogaster; differential processing in the oocytes of females carrying the DNA-repair-deficient mutants mei-9a and mus-101d1. Frei H. **Mutat Res** 1982 May;94(1):63–78

Photodynamic effects of dyes on bacteria. IV. Lethal effects of acridine orange and 460- or 500-nm monochromatic light in strains of Escherichia coli that differ in repair capability. Hass BS, et al. **Mutat Res** 1981 May;81(3):277–85

Roles of DNA interstrand crosslinking and its repair in the induction of sister-chromatid exchange and a higher induction in Fanconi's anemia cells. Kano Y, et al. **Mutat Res** 1981 May;81(3):365–75

Extent of excision repair before DNA synthesis determines the mutagenic but not the lethal effect of UV radiation. Konze-Thomas B, et al. **Mutat Res** 1982 Jun;94(2):421–34

The effect of mutations in the uvrD cistron of Escherichia coli on repair resynthesis. Kuemmerle NB, et al. **Mutat Res** 1982 Jun;94(2):285–97

DNA repair assays as tests for environmental mutagens. A report of the U.S.EPA Gene-Tox Program. Larsen KH, et al. **Mutat Res** 1982 May;98(3):287–318 (130 ref.)

An evaluation of tests using DNA repair-deficient bacteria for predicting genotoxicity and carcinogenicity. A report of the U.S. EPA's Gene-TOX Program. Leifer Z, et al. **Mutat Res** 1981 Nov;87(3):211–97 (98 ref.)

Host cell reactivation by excision repair is error-free in human cells. Lytle CD, et al. **Mutat Res** 1982 Jun; 94(2):405–12

DNA damage and its repair in cultured human alveolar tumor cells treated with benzyl chloride, 4-chloromethylbiphenyl or 4-hydroxymethylbiphenyl. Mirzayans R, et al. **Mutat Res** 1982 Jan-Feb;100(1–4):203–6

Influence of experimental conditions and DNA repair ability on EMS-induced mutagenesis and DNA binding in Escherichia coli K12: comparison with mammalian cell mutagenesis. Mohn GR, et al. **Mutat Res** 1982 Feb 22; 92(1–2):15–27

Cytotoxic and mutagenic effects of neocarzinostatin in wild-type and repair-deficient yeasts. Mousstacchi E, et al. **Mutat Res** 1982 Apr;104(1–3):87–94

An investigation of DNA-repair phenomena induced by 4-chloromethylbiphenyl (4CMB). Pearson CM, et al. **Mutat Res** 1982 Jan-Feb;100(1–4):211–4

A reduced capacity for unscheduled DNA synthesis in lymphocytes from individuals exposed to propylene oxide and ethylene oxide. Pero RW, et al. **Mutat Res** 1982 Apr; 104(1–3):193–200

A deficiency in the repair of UV and gamma-ray damaged DNA in fibroblasts from Cockayne's syndrome. Rainbow AJ, et al. **Mutat Res** 1982 Mar;93(1):235–47

DNA repair in a UV-sensitive mutant of a mouse cell line. Sato K, et al. **Mutat Res** 1981 Dec;84(2):443–55

Comparative evaluation of different pairs of DNA repair-deficient and DNA repair-proficient bacterial tester strains for rapid detection of chemical mutagens and carcinogens. Suter W, et al. **Mutat Res** 1982 Feb;97(1):1–18

Repair of 3-methyladenine and 7-methylguanine in nuclear DNA of Chlamydomonas: requirement for protein synthesis. Sweet JM, et al. **Mutat Res** 1981 Nov;84(1):73–82

The induction of DNA damage and its repair in yeast after exposure to 4CMB, BC and 4HMB. Tippins RS. **Mutat Res** 1982 Jan-Feb;100(1–4):119–22

Mutation induction by monochromatic 254-nm and 365-nm radiation in strains of Escherichia coli that differ in repair capability. Webb RB, et al. **Mutat Res** 1981 Dec; 84(2):227–37

Relationship between excision repair and the cytotoxic and mutagenic effect of the 'anti' 7,8-diol-9,10-epoxide of benzo[a]pyrene in human cells. Yang LL, et al. **Mutat Res** 1982 Jun;94(2):435–47

Preliminary data suggesting that females of the repair-deficient strain designated st mus302 are strong potentiators of chromosome loss induced by procarbazine and diethylnitrosamine (DEN) in the male genome of Drosophila. Zimmering S. **Mutat Res** 1982 Feb; 103(2):141–4

Induced chromosome loss following treatment of postmeiotic cells of the Drosophila melanogaster male with MMS and DMN and matings with repair-proficient females and the repair-deficient females mei-9a and st mus302. Zimmering S. **Mutat Res** 1982 May;94(1):79–86

DNA-repair deficiencies do not affect intercalator-induced cytotoxicity or DNA scission in human cells. Zwelling LA, et al. **Mutat Res** 1982 May-Jun;104(4–5):295–304

Enzymatic mechanisms of DNA repair. Grossman L. **Natl Cancer Inst Monogr** 1981 Dec;(58):189–92

Repair of DNA damage induced in human fibroblasts by N-substituted aryl compounds. Maher VM, et al. **Natl Cancer Inst Monogr** 1981 Dec;(58):217–22

Abnormal NAD+ levels in cells from patients with Fanconi's anaemia. Berger NA, et al. **Nature** 1982 Sep 16; 299(5880):271–3

Inducible responses to DNA damage [news] Bridges B, et al. **Nature** 1982 Jul 8;298(5870):118–9

Regulation of DNA ligase activity by poly(ADP-ribose). Creissen D, et al. **Nature** 1982 Mar 18;296(5854):271–2

Adaptation to alkylation resistance involves the induction of a DNA glycosylase. Evensen G, et al. **Nature** 1982 Apr 22;296(5859):773–5

E. coli uvrB protein binds to DNA in the presence of uvrA protein. Kacinski BM, et al. **Nature** 1981 Dec 3; 294(5840):480–81

Mismatch correction at O6-methylguanine residues in E. coli DNA. Karran P, et al. **Nature** 1982 Apr 29;296(5860):868–9

Induction of a DNA glycosylase for N-methylated purines is part of the adaptive response to alkylating agents. Karran P, et al. **Nature** 1982 Apr 22;296(5859):770–3

Worthy of a detour [news] Lindahl T. **Nature** 1982 Jul 29; 298(5873):424–5

How cells in distress use SOS [news] Sedgwick SG, et al. **Nature** 1982 Apr 15;296(5858):606–7

Transfection of cells from a xeroderma pigmentosum patient with normal human DNA confers UV resistance. Takano T, et al. **Nature** 1982 Mar 18;296(5854):269–70

Mechanism of E. coli RecA protein directed strand exchanges in post-replication repair of DNA. West SC, et al. **Nature** 1981 Dec 17;294(5842):659–62

Chemical carcinogenesis — the price for DNA - repair? Wintersberger U. **Naturwissenschaften** 1982 Mar; 69(3):107–13 (77 ref.)

A system in mouse liver for the repair of O6-methylguanine lesions in methylated DNA. Bogden JM, et al. **Nucleic Acids Res** 1981 Jul 10;9(13):3089–103

Inhibitors of repair DNA synthesis. Collins AR, et al. **Nucleic Acids Res** 1982 Feb 25;10(4):1203–13

New rapid methods for DNA sequencing based in exonuclease III digestion followed by repair synthesis. Guo LH, et al. **Nucleic Acids Res** 1982 Mar 25;10(6):2065–84

Characterization of nascent DNA fragments produced by excision of uracil residues in DNA. Machida Y, et al. **Nucleic Acids Res** 1981 Sep 25;9(18):4755–66

Radiation induced DNA double strand breaks are rejoined by ligation and recombination processes. Weibezahn KF, et al. **Nucleic Acids Res** 1981 Jul 10;9(13):3139–50

Repair of ultraviolet-damaged transforming DNA in a mismatch repair-deficient strain of Haemophilus influenzae. Bagci H, et al. **Photochem Photobiol** 1982 Mar;35(3):331–5

Effect of liquid holding on the repair of photoinduced damages in acriflavine sensitized Escherichia coli cells. Basu S, et al. **Photochem Photobiol** 1982 Feb;35(2):279–82

Recovery from inhibition by UV-irradiation of ornithine decarboxylase induction in human cells: implication of excision repair. Ben-Hur E, et al. **Photochem Photobiol** 1982 May;35(5):671–4

Differing levels of excision repair in human fetal dermis and brain cells. Gibson RE, et al. **Photochem Photobiol** 1982 Feb;35(2):181–5

Alkali-labile lesion and uracil-DNA-glycosylase-sensitive site removal after BrdUrD and UVB treatment of Chinese hamster cells. Hagan MP, et al. **Photochem Photobiol** 1982 Mar;35(3):371–7

Photoreactivation and excision repair of UV induced pyrimidine dimers in the unicellular cyanobacterium Gloeocapsa alpicola (Synechocystis PCC 6308). O'Brien PA, et al. **Photochem Photobiol** 1982 Mar;35(3):359–64

Lethality in repair-proficient Escherichia coli after 365 nm ultraviolet light irradiation is dependent on fluence rate. Peak JG, et al. **Photochem Photobiol** 1982 Jul;36(1):103–5

The action spectra for photoreactivation and photorepair in ICR 2A frog cells. Rosenstein BS. **Photochem Photobiol** 1982 Apr;35(4):491–4

Synthesis and repair of RNA-containing supercoiled plasmid ColE1 DNA in Escherichia coli. Williams PH, et al. **Plasmid** 1982 Mar;7(2):180–91

Isolation of an altered form of DNA polymerase I from Escherichia coli cells induced for recA/lexA functions. Lackey D, et al. **Proc Natl Acad Sci USA** 1982 Jan; 79(2):330–4

Purified lexA protein is a repressor of the recA and lexA genes. Little JW, et al. **Proc Natl Acad Sci USA** 1981 Jul; 78(7):4199–203

Recombinational bypass of pyrimidine dimers promoted by the recA protein of Escherichia coli. Livneh Z, et al. **Proc Natl Acad Sci USA** 1982 May;79(10):3171–5

Relationship between the genetically determined acetylator phenotype and DNA damage induced by hydralazine and

2-aminofluorene in cultured rabbit hepatocytes. McQueen CA, et al. **Proc Natl Acad Sci USA** 1982 Feb;79(4):1269–72

The fate of 8-methoxypsoralen photoinduced crosslinks in nuclear and mitochondrial yeast DNA: comparison of wild-type and repair-deficient strains. Magaña-Schwencke N, et al. **Proc Natl Acad Sci USA** 1982 Mar;79(6):1722–6

Repair of O6-ethylguanine in DNA by a chromatin fraction from rat liver: transfer of the ethyl group to an acceptor protein. Mehta JR, et al. **Proc Natl Acad Sci USA** 1981 Nov;78(11):6766–70

Complementation of the defects of DNA synthesis in irradiated and unirradiated ataxia-telangiectasia cells. Murnane JP, et al. **Proc Natl Acad Sci USA** 1982 Mar; 79(6):1960–3

Escherichia coli single-strand DNA binding protein from wild type and lexC113 mutant affects in vitro proteolytic cleavage of phage lambda repressor. Resnick J, et al. **Proc Natl Acad Sci USA** 1982 May;79(9):2832–5

Identification of the uvrC gene product. Sancar A, et al. **Proc Natl Acad Sci USA** 1981 Sep;78(9):5450–4

Repair and mutagenesis of plasmid DNA modified by ultraviolet irradiation or N-acetoxy-N-2-acetylaminofluorene. Schmid SE, et al. **Proc Natl Acad Sci USA** 1982 Jul;79(13):4133–7

Purification and properties of the uvrA protein from Escherichia coli. Seeberg E, et al. **Proc Natl Acad Sci USA** 1982 Feb;79(4):988–92

Cloning of the uvrC gene of Escherichia coli: expression of a DNA repair gene. Sharma S, et al. **Proc Natl Acad Sci USA** 1981 Oct;78(10):6033–7

Gap misrepair mutagenesis: efficient site-directed induction of transition, transversion, and frameshift mutations in vitro. Shortle D, et al. **Proc Natl Acad Sci USA** 1982 Mar; 79(5):1588–92

Role of DNA repair in mutagenesis of Chinese hamster ovary cells by 7-bromomethylbenz[a]anthracene. Thompson LH, et al. **Proc Natl Acad Sci USA** 1982 Jan;79(2):534–8

Amplification of the uvrA gene product of Escherichia coli to 7% of cellular protein by linkage to the pL promoter of pKC30. Yoakum GH, et al. **Proc Natl Acad Sci USA** 1982 Mar;79(6):1766–70

Uracil-DNA glycosylase in meiotic and post meiotic male germ cells of the mouse. Grippo P, et al. **Prog Clin Biol Res** 1982;85 Pt A:389–96U

The inducible repair of alkylated DNA. Cairns J, et al. **Prog Nucleic Acid Res Mol Biol** 1981;26:237–44

Inducible error-prone repair and induction of prophage lambda in Escherichia coli. Devoret R. **Prog Nucleic Acid Res Mol Biol** 1981;26:251–63

Recent developments in the enzymology of excision repair of DNA. Friedberg EC, et al. **Prog Nucleic Acid Res Mol Biol** 1981;26:197–215

Repair replication schemes in bacteria and human cells. Hanawalt PC, et al. **Prog Nucleic Acid Res Mol Biol** 1981; 26:181–96

In vitro packaging of damaged bacteriophage T7 DNA. Masker WE, et al. **Prog Nucleic Acid Res Mol Biol** 1981; 26:227–36

Molecular mechanism for the induction of 'SOS' functions. Oishi M, et al. **Prog Nucleic Acid Res Mol Biol** 1981; 26:281–301

Comparative induction studies. Pollard EC, et al. **Prog Nucleic Acid Res Mol Biol** 1981;26:315–22

Multiprotein interactions in strand cleavage of DNA damaged by UV and chemicals. Seeberg E. **Prog Nucleic Acid Res Mol Biol** 1981;26:217–26

Functions induced by damaged DNA: summary. Witkin EM. **Prog Nucleic Acid Res Mol Biol** 1981;26:247–50

DNA damage as the primary cause of aging. Gensler HL, et al. **Q Rev Biol** 1981 Sep;56(3):279–303 (205 ref.)

An apparent correlation between the inhibition of induced ornithine decarboxylase activity by gamma radiation and the capacity for DNA repair synthesis in normal and ataxia telangiectasia human fibroblasts: no correlation with cell survival. Ben-Hur E, et al. **Radiat Environ Biophs** 1981; 20(1):21–8

Evidence for the repair of potentially lethal damage in irradiated bone marrow. Thomas F, et al. **Radiat Environ Biophs** 1982;20(2):89–94

Reduced sensitization by misonidazole when recovery from potentially lethal damage is allowed. Kiefer J. **Radiat Environ Biophys** 1982;20(3):231–4

Biopsy measurement of DNA damage and repair in vivo: single-strand breaks, alkali-labile bonds, and endonuclease-sensitive sites. Brash DE, et al. **Radiat Res** 1982 Jul;91(1):169–80

The importance of DNA damage and repair in the cell cycle sensitivity of CHO cells to nitrogen mustard. Clarkson JM, et al. **Radiat Res** 1981 Dec;88(3):587–96

Correlation between ultraviolet survival and DNA repair efficiency in mouse cell hybrids and their parent lines. Limbosch S. **Radiat Res** 1982 Apr;90(1):216–27

Radioimmune assay of induction and removal of uv lesions in total and staphylococcal nuclease-resistant DNA of mammalian chromatin. McConlogue LC, et al. **Radiat Res** 1982 Feb;89(2):381–95

Characterization of rapid recovery from gamma-ray damage in plateau-phase human diploid fibroblasts. Malcolm AW, et al. **Radiat Res** 1982 Feb;89(2):274–82

Is radiation-generated aqueous electron-type damage repaired by the recombinational repair pathway in Saccharomyces cerevisiae? Mitchel RE, et al. **Radiat Res** 1982 Mar;89(3):481–7

Further studies on Cerenkov-induced photoreactivatable damage in E. coli. Morgan TL, et al. **Radiat Res** 1982 Feb; 89(2):217–26

Effect of heat shock on poly(ADP-ribose) synthetase and DNA repair in Drosophila cells. Nolan NL, et al. **Radiat Res** 1982 Apr;90(1):187–203

The shape of dose-survival curves for mammalian cells and repair of potentially lethal damage analyzed by hypertonic treatment. Pohlit W, et al. **Radiat Res** 1981 Sep; 87(3):613–34

'Single-hit' potentially lethal damage: evidence of its repair in mammalian cells. Utsumi H, et al. **Radiat Res** 1981 Sep; 87(3):576–91

Studies on the amount of single-stranded DNA present in Chinese hamster ovary cells during the repair of damage induced by X rays or methyl methanesulfonate. Wong RS, et al. **Radiat Res** 1981 Sep;87(3):689–709

Inducible repair of DNA. Howard-Flanders P. **Sci Am** 1981 Nov;245(5):72–80

Chinese hamster ovary mutant UV-1 is hypomutable and defective in a postreplication recovery process. Stamato TD, et al. **Somatic Cell Genet** 1981 May;7(3):307–20

Further studies on a temperature-sensitive mutant of Escherichia coli with defective repair capacity. Morfiadakis I, et al. **Z Allg Mikrobiol** 1981;21(6):439–45

[SOS responses and lexA gene in E. coli (author's transl)] Nakazawa A. **Seikagaku** 1981;53(3):154–9 (23 ref.) **(Jpn)**

[On SOS functions with special emphasis on the early events leading to the induction of the functions (author's transl)] Oishi M. **Tanpakushitsu Kakusan Koso** 1981 Aug; 26(10):1522–35 (103 ref.) **(Jpn)**

[Repair of DNA-protein cross-links induced by antineoplastic alkylating agents] Lomova TIu, et al. **Biull Eksp Biol Med** 1981 Jul;92(7):74–6 (Eng. Abstr.) **(Rus)**

[Repair of embichin-induced DNA damage in embryonal fibroblasts of 101/H and CBA mice] S'iakste TG. **Biull Eksp Biol Med** 1981 Dec;92(12):714–5 (Eng. Abstr.) **(Rus)**

[Repair of DNA injuries induced by thiophosphamide in embryonal fibroblasts of 101/H and CBA mice] S'iakste TG. **Biull Eksp Biol Med** 1982 Jan;93(1):68–70 (Eng. Abstr.) **(Rus)**

[DNA reparative synthesis in cattle blood lymphocytes normally and in chronic lympholeukemia] Azizov IuM, et al. **Izv Akad Nauk SSSR [Biol]** 1982;(2):293–7 (Eng. Abstr.) **(Rus)**

[Repair of mitochondrial DNA after x-ray irradiation of teleost fish loach Misgurnus fossilis eggs] Mikhailov VS, et al. **Mol Biol (Mosk)** 1981 Jan–Feb;15(1):154–60 (Eng. Abstr.) **(Rus)**

[Role of untwisting proteins in the repair of radiation damage to DNA] Aizenberg OA, et al. **Radiobiologiia** 1982 Jan–Feb;22(1):7–12 (Eng. Abstr.) **(Rus)**

[Induction and repair of radiation-induced DNA damage in rat hepatocytes] Bresler SE, et al. **Radiobiologiia** 1982 Jan–Feb;22(1):3–6 **(Rus)**

[Molecular mechanisms of the radiation death of lymphoid cells. 3. Repair of superhelical DNA in a subpopulation of thymocytes differing in radiosensitivity] Filippovich IV, et al. **Radiobiologiia** 1982 Mar–Apr;22(2):165–70 (Eng. Abstr.) **(Rus)**

[Molecular mechanisms of the radiation death of lymphoid cells. 2. Damage and repair of superhelical DNA in mouse thymocytes after gamma radiation] Soldatenkov VA, et al. **Radiobiologiia** 1982 Jan–Feb;22(1):25–30 **(Rus)**

[Cellular DNA repair, proliferative activity and biochemical characteristics in the human premature aging syndrome (progeria)] Prokof'eva VV, et al. **Tsitologiia** 1982 May; 24(5):592–603 (Eng. Abstr.) **(Rus)**

[Repair of DNA damage caused by the antineoplastic antibiotic carminomycin] Trenin AS. **Vestn Akad Med Nauk SSSR** 1981;(5):71–5 (Eng. Abstr.) **(Rus)**

[DNA repair in human cells – mechanisms and importance] Lewensohn R, et al. **Lakartidningen** 1982 Mar 10; 79(10):904–5 **(Swe)**

DRUG EFFECTS

3-Aminobenzamide stimulates unscheduled DNA synthesis and rejoining of strand breaks in human lymphocytes. Bohr V, et al. **Biochem Biophys Res Commun** 1981 Oct 30; 102(4):1254–61

Aphidicolin promotes repair of potentially lethal damage in irradiated mammalian cells synchronized in S-phase. Iliakis G, et al. **Biochem Biophys Res Commun** 1982 Feb 26; 104(4):1209–14

Inhibitors of poly-(adenosine diphosphoribose) synthesis slow the resealing rate of x-ray-induced DNA strand breaks. Zwelling LA, et al. **Biochem Biophys Res Commun** 1982 Feb 11;104(3):897–902

Aphidicolin does not inhibit DNA repair synthesis in ultraviolet-irradiated HeLa cells. A radioautographic study. Hardt N, et al. **Biochem J** 1981 Nov 1;199(2):453–5

Differential responses of log and stationary phase human fibroblasts to inhibition of DNA repair by aphidicolin. Snyder RD, et al. **Biochim Biophys Acta** 1982 May 31; 697(2):229–34

Inhibition of DNA replication and repair cultured humans cells by anthralin or danthron. Clark JM, et al. **Br J Dermatol** 1981 Aug;105 Suppl 20:49–50

Interaction of VP16-213 with the DNA repair antagonist chloroquine. Arnold AM, et al. **Cancer Chemother Pharmacol** 1982;7(2–3):123–6

Repair of DNA interstrand crosslinks after busulphan. A possible mode of resistance. Bedford P, et al. **Cancer Chemother Pharmacol** 1982;8(1):3–7

Distribution of DNA-bound carcinogen 4-nitroquinoline 1-oxide and of repair-synthesized DNA in chromatin of WI-38 cells. Nose K. **Cancer Lett** 1981 Nov;14(2):205–15

Effects of 12-O-tetradecanoylphorbol-13-acetate and mezerein on gamma radiation-induced DNA repair in resting bovine lymphocytes. Perrella FW, et al. **Cancer Lett** 1982 Jan;15(1):87–93

DNA damage by anthracycline drugs in human leukemia cells. Schwartz HS, et al. **Cancer Lett** 1981 Sep; 13(4):309–13

Genotoxicity of cycasin in the hepatocyte primary culture/DNA repair test supplemented with beta-glucosidase. Williams GM, et al. **Cancer Lett** 1981 May;12(4):329–33

Correlations of DNA damage and repair with nuclear and chromosomal damage in HeLa cells caused by methylnitrosamides. Collins AR, et al. **Cancer Res** 1981 Dec;41(12 Pt 1):5176–87

Effect of 1,2-dimethylhydrazine and diethylnitrosamine on cell replication and unscheduled DNA synthesis in target and nontarget cell populations in rat liver following chronic administration. Lewis JG, et al. **Cancer Res** 1982 Jan; 42(1):89–92

Nitrated polycyclic aromatic hydrocarbons: potent bacterial mutagens and stimulators of DNA repair synthesis in cultured human cells. Campbell J, et al. **Carcinogenesis** 1981;2(6):559–65

DNA polymerases in replication and repair of DNA during carcinogenesis induced by feeding N-acetylaminofluorene. Craddock VM. **Carcinogenesis** 1981;2(1):61–5

Pretreatment of Chinese hamster v79 cells with MNU increases survival without affecting DNA repair or mutagenicity. Durrant LG, et al. **Carcinogenesis** 1981; 2(1):55–60

Effect of pretreatment of rats with N-methyl-N-nitrosourea on the repair of O(6)-methylguanine in liver DNA. Margison GP. **Carcinogenesis** 1981;2(5):431–4

DNA repair in normal human and xeroderma pigmentosum group A fibroblasts following treatment with various methanesulfonates and the demonstration of a long-patch (u.v.-like) repair component. Snyder RD, et al. **Carcinogenesis** 1982;3(1):7–14

A differential killing assay for mutagens and carcinogens based on an improved repair-deficient strain of Escherichia coli. Tweats DJ, et al. **Carcinogenesis** 1981;2(3):189–94

Aphidicolin: an inhibitor of DNA repair in human fibroblasts. Waters R. **Carcinogenesis** 1981;2(8):795–7

Activity of organophosphorus insecticides in bacterial tests for mutagenicity and DNA repair—direct alkylation vs. metabolic activation and breakdown. I. Butonate, vinylbutonate, trichlorfon, dichlorvos, demethyl dichlorvos and demethyl vinylbutonate. Braun R, et al. **Chem Biol Interact** 1982 Apr;39(3):339–50

Induction and repair of DNA strand breaks in cultured human fibroblasts exposed to various phenols and dihydrodiols of benzo[a]pyrene. Nordenskjöld M, et al. **Chem Biol Interact** 1982 Aug;41(2):155–68

Inducible repair systems and their implications for toxicology. Schendel PF. **CRC Crit Rev Toxicol** 1981; 8(4):311–62 (402 ref.)

Effect of metals on mutagenesis and DNA repair. Rossman TG. **Environ Health Perspect** 1981 Aug;40:189–95

Variations among species and cell types in the effects of caffeine on mutagen-induced cytotoxicity and postreplication repair of DNA. Sivak A, et al. **Environ Mutagen** 1982;4(2):143–62

The effect of inhibition of (ADP-ribose)n biosynthesis on DNA repair assayed by the nucleoid technique. Durkacz BW, et al. **Eur J Biochem** 1981 Dec;121(1):65–9

Inhibitors of nuclear ADP-ribosyl transferase retard DNA repair after N-methyl-N-nitroso-urea. Further evidence for the involvement of (ADP-ribose)n in DNA repair. Gray DA, et al. **FEBS Lett** 1981 Aug 17;131(1):173–7

DNA repair synthesis in plant protoplasts is aphidicolin-resistant. Sala F, et al. **FEBS Lett** 1982 Feb 22;138(2):213–7

Purine nucleoside analogues inhibit the repair of radiation-induced potentially lethal damage in mammalian cells in culture. Nakatsugawa S, et al. **Int J Radiat Biol** 1982 Mar;41(3):343–6

The chemical inhibition of PLDR (potentially lethal damage repair) in vitro and in vivo in cancer therapy. U R, et al. **Int J Radiat Oncol Biol Phys** 1982 Mar–Apr;8(3–4):457–60

Inhibition of DNA replication and repair by anthralin or danthron in cultured human cells. Clark JM, et al. **J Invest Dermatol** 1982 Jul;79(1):18–22

Characterization of DNA repair elicited by carcinogens and drugs in the hepatocyte primary culture/DNA repair test. McQueen CA, et al. **J Toxicol Environ Health** 1981 Sep; 8(3):463–77

Evidence for an epigenetic mode of action in organochlorine pesticide hepatocarcinogenicity: a lack of genotoxicity in rat, mouse, and hamster hepatocytes. Maslansky CJ, et al. **J Toxicol Environ Health** 1981 Jul–Aug;8(1–2):121–30

Repair of chromosome damage induced by X-irradiation during G2 phase in a line of normal human fibroblasts and

its malignant derivative. Parshad R, et al. **JNCI** 1982 Aug; 69(2):409–14

Effect of polyamines on enzymes involved in DNA repair. Kleppe K, et al. **Med Biol** 1981 Dec;59(5–6):374–80

DNA damage induced by the antihistaminic drug methapyrilene hydrochloride. Althaus FR, et al. **Mutat Res** 1982 Mar;103(3–6):213–8

DNA repair studies on diallate, triallate and sulfallate in human cell cultures. Benigni R, et al. **Mutat Res** 1982 Mar; 103(3–6):385–90

Classification of chemical agents as to their ability to induce long– or short–patch DNA repair in human cells. Francis AA, et al. **Mutat Res** 1981 Sep;83(2):159–69

Dyskeratosis congenita: survival, sister–chromatid exchange and repair following treatments with crosslinking agents. Kano Y, et al. **Mutat Res** 1982 Mar;103(3–6):327–32

In vivo and in vitro ethylene oxide exposure of human lymphocytes assessed by chemical stimulation of unscheduled DNA synthesis. Pero RW, et al. **Mutat Res** 1981 Sep;83(2):271–89

The distribution of induced sister–chromatid exchanges: a tool for identifying agents directly interacting with DNA. Rainaldi R, et al. **Mutat Res** 1982 Mar;103(3–6):333–7

Effects of aphidicolin on repair replication and induced chromosomal aberrations in mammalian cells. van Zeeland AA, et al. **Mutat Res** 1982 Feb 22;92(1–2):379–92

The inhibition of DNA repair by aphidicolin or cytosine arabinoside in X–irradiated normal and xeroderma pigmentosum fibroblasts. Waters R, et al. **Mutat Res** 1982 May;94(1):229–34

Inactivation of nucleotide excision repair in Chinese hamster ovary cells by exposure to an alkylating agent. Park SD, et al. **Photochem Photobiol** 1982 Mar;35(3):419–21

Base–pair substitution hotspots in GAG and GCG nucleotide sequences in Escherichia coli K–12 induced by cis–diamminedichloroplatinum (II). Brouwer J, et al. **Proc Natl Acad Sci USA** 1981 Nov;78(11):7010–4

Mechanism by which caffeine potentiates lethality of nitrogen mustard. Lau CC, et al. **Proc Natl Acad Sci USA** 1982 May;79(9):2942–6

DNA repair and chromosome aberrations: the effect of cytosine arabinoside on the frequency of chromosome aberrations induced by radiation and chemicals. Preston RJ. **Teratogenesis Carcinog Mutagen** 1980;1(2):147–59

[Studies on the possible influence of oxamethacin upon DNA synthesis, DNA reparation and the supercoiled structure of DNA is spleen cells of mice] Bröll H, et al. **Z Rheumatol** 1980 Nov–Dec;39(11–12):401–5 (Eng. Abstr.) **(Ger)**

[Repair effect of p–aminobenzoic acid and aminobenzhydrazide] Ivanov SD, et al. **Biull Eksp Biol Med** 1982 Apr;93(4):37–9 (Eng. Abstr.) **(Rus)**

[Effect of alpha–tocopherol on the mutagenic repair pathways in Escherichia coli cells] Kalinina LM, et al. **Genetika (Moskva)** 1981;17(9):1644–8 (Eng. Abstr.) **(Rus)**

[Repair and mutagenesis in Escherichia coli cells on induction in the DNA of monoadducts and cross–links by light–activated 8–methoxypsoralen. Dependence on the uvrA and polA genes] Peshekhonov VT, et al. **Genetika (Moskva)** 1981;17(11):1945–51 (Eng. Abstr.) **(Rus)**

[In vitro repair of gamma–irradiated transforming Bacillus subtilis DNA by extracts of blue–green algae] Shevchenko TN, et al. **Genetika (Moskva)** 1982 Apr;18(4):551–4 (Eng. Abstr.) **(Rus)**

[Para–aminobenzoic acid intensification of DNA repair processes in Escherichia coli K–12] Vasil'eva SV, et al. **Genetika (Moskva)** 1982 Mar;18(3):381–91 (Eng. Abstr.) **(Rus)**

[Genetic activity of para–aminobenzoic acid. The intensification of DNA polymerase I–dependent repair induced by chemical mutagens in toluene–treated Escherichia coli cells] Vasil'eva SV, et al. **Genetika (Moskva)** 1982 Mar;18(3):392–8 (Eng. Abstr.) **(Rus)**

[Radioprotective effect of cysteamine on wild–type and DNA repair–mutant strains of yeast cells] Gil'iano NIa, et al. **Radiobiologiia** 1981 May–Jun;21(3):379–83 (Eng. Abstr.) **(Rus)**

RADIATION EFFECTS

Repair and replication of DNA in hereditary (bilateral) retinoblastoma cells after X–irradiation. Cleaver JE, et al. **Cancer Res** 1982 Apr;42(4):1343–7

DNA repair after gamma radiation and superoxide dismutase activity in lymphocytes from subjects of far advanced age. Licastro F, et al. **Carcinogenesis** 1982;3(1):45–8

DNA synthesis and hypersensitivity to ultraviolet radiation in Cockayne's syndrome cells. Yatani R, et al. **Exp Mol Pathol** 1982 Jun;36(3):361–72

UV–induced repair in Escherichia coli B/r Hcr–thy trp cells: its dependence on UV damage. Slezáriková V. **Folia Microbiol (Praha)** 1982;27(1):65–8

Spontaneous mitotic recombination and evidence for an X–ray–inducible system for the repair of DNA damage in Drosophila melanogaster. Kennison JA, et al. **Genetics** 1981 May;98(1):91–103

Rejoining of DNA strand breaks after gamma–irradiation in cultured fish cells, CAF–MM1. Mitani H, et al. **Int J Radiat Biol** 1982 Jan;41(1):85–90

Effect of the uvrD3 mutation on ultraviolet radiation–induced DNA–repair replication in Escherichia coli K12. Carlson KM, et al. **Mutat Res** 1981 Dec; 84(2):257–62

Classification of chemical agents as to their ability to induce long– or short–patch DNA repair in human cells. Francis AA, et al. **Mutat Res** 1981 Sep;83(2):159–69

Abnormal levels of UV–induced unscheduled DNA synthesis in ataxia telangiectasia cells after exposure to ionizing radiation. Jaspers NG, et al. **Mutat Res** 1982 Feb 22; 92(1–2):439–46

Enhanced radiosensitivity and defective DNA repair in cultured fibroblasts derived from Rothmund Thomson syndrome patients. Smith PJ, et al. **Mutat Res** 1982 May; 94(1):213–28

A UV–sensitive human clonal cell line, RSa, which has low repair activity. Suzuki N, et al. **Mutat Res** 1981 Nov; 84(1):133–45

Increased efficiency of photoreversal of UV–induced dimers in the DNA of chick embryo fibroblasts with post–UV dark time. van de Merwe WP, et al. **Mutat Res** 1981 Dec; 84(2):429–41

Unscheduled DNA repair in human lens epithelium following 'in vivo' and 'in vitro' ultraviolet irradiation. Grabner G, et al. **Ophthalmic Res** 1982;14(3):160–6

Laser–UV–microirradiation of Chinese hamster cells: the influence of the distribution of photolesions on unscheduled DNA synthesis. Cremer C, et al. **Photochem Photobiol** 1981 Jun;33(6):925–8

Photorepair of pyrimidine dimers in human skin in vivo. D'Ambrosio SM, et al. **Photochem Photobiol** 1981 Oct; 34(4):461–4

Time course of photoreactivation of UV–induced chromosomal aberrations and lethal damage in interphase Xenopus cells. Griggs HG, et al. **Photochem Photobiol** 1981 Jul;34(1):57–62

Evidence against a photoprotective component of photoreactivation in Saccharomyces cerevisiae. MacQuillan AM, et al. **Photochem Photobiol** 1981 Jun; 33(6):915–7

Lethal effects of natural solar ultraviolet radiation in repair proficient and repair deficient strains of Escherichia coli: actions and interactions. Tyrrell RM, et al. **Photochem Photobiol** 1981 Sep;34(3):331–7

Fractionated low–level gamma irradiation of Chinese Hamster cells: cellular and biochemical effects. Kol R, et al. **Radiat Environ Biophys** 1982;20(3):201–7

Evidence for DNA double–strand breaks as the critical lesions in yeast cells irradiated with sparsely or densely ionizing radiation under oxic or anoxic conditions. Frankenberg D, et al. **Radiat Res** 1981 Dec;88(3):524–32

Photoreactivation and excision repair of thymine dimers in ultraviolet–irradiated cultured fish cells. Mano Y, et al. **Radiat Res** 1982 Jun;90(3):501–8

Critical periods during the in situ repair of radiation–induced DNA damage in rat cerebellar neurons and 9L brain tumor cells. Wierowski JV, et al. **Radiat Res** 1982 Jun; 90(3):479–88

[Unscheduled DNA synthesis in involved and uninvolved psoriatic skin after ultraviolet irradiation (author's transl)] Aso K, et al. **Nippon Hifuka Gakkai Zasshi** 1981 Sep; 91(10):1037–43 **(Jpn)**

[Radiosensitive lines of Drosophila. V. The sensitivity of mutant mus(2) 201G1 to methyl methanesulfonate and UV radiation and disordered DNA repair in UV–irradiated cells] Luchkina LA, et al. **Genetika (Moskva)** 1982 Apr; 18(4):625–33 (Eng. Abstr.) **(Rus)**

[Postradiation DNA repair of peripheral leukocytes in rats under total gamma irradiation] Grishchenko IuD, et al. **Radiobiologiia** 1981;21(4):503–7 (Eng. Abstr.) **(Rus)**

[Role of genome structural organization in realizing DNA repair processes] Khanson KP. **Radiobiologiia** 1981 Sep–Oct;21(5):643–53 (50 ref.) (Eng. Abstr.) **(Rus)**

[Accumulation and repair of single–stranded breaks in the DNA of blood lymphocytes in mice of varying age after the action of gamma and UV radiation] Malakhova LV, et al. **Radiobiologiia** 1981 Nov–Dec;21(6):903–6 (Eng. Abstr.) **(Rus)**

[Formation and repair of gamma–induced DNA breaks in Micrococcus radiodurans cells] Petrov SI. **Radiobiologiia** 1981;21(4):490–4 (Eng. Abstr.) **(Rus)**

[Repair of gamma–induced single– and double–stranded DNA breaks in escherichia coli cells] Petrov SI. **Radiobiologiia** 1981 Sep–Oct;21(5):671–5 (Eng. Abstr.) **(Rus)**

[Postradiation DNA repair in mammalian cells in combined exposure to hyperthermia, 8–bromocaffeine and actinomycin D] Rezvaia SP, et al. **Radiobiologiia** 1981 May–Jun;21(3):326–9 (Eng. Abstr.) **(Rus)**

[DNA repair of some patients with xeroderma pigmentosum (author's transl)] Madrigal E, et al. **Rev Invest Clin** 1981 Jul–Sep;33(3):263–8 (Eng. Abstr.) **(Spa)**

DNA REPLICATION

see related
DNA UNTWISTING PROTEINS
DNA UNWINDING PROTEINS
VIRUS REPLICATION

Altered ribonucleotide reductase obtained by in vitro mutagenesis of cloned Escherichia coli DNA. Platz A. **Acta Chem Scand [B]** 1981;35(2):143–4

Complete in vitro replication of SV40 DNA and chromatin in saponin–treated permeable cells. Oda T, et al. **Acta Med Okayama** 1981 Apr;35(2):149–54

Replication and expression of fragments of phage PM2 cloned in Escherichia coli K–12. Grzesiuk E, et al. **Acta Microbiol Pol** 1981;30(4):307–18

The transformation of cell growth and transmogrification of DNA synthesis by simian virus 40. Martin RG. **Adv Cancer Res** 1981;34:1–68 (564 ref.)

Cyclic AMP: a growth–promoting signal for mouse 3T3 cells. Rozengurt E. **Adv Cyclic Nucleotide Res** 1981;14:429–42

Computer image analysis of variance between human chromosome replication sequences and G–bands. Shafer DA, et al. **Am J Hum Genet** 1982 Mar;34(2):307–21

DNA replication sequence in a dicentric (functionally monocentric) X chromosome formed by the joining of two X chromosomes at region p22. Yu CW, et al. **Am J Med Genet** 1982 Mar;11(3):305–17

DNA synthesis in coronary collaterals after coronary artery occlusion in conscious dog. Pasyk S, et al. **Am J Physiol** 1982 Jun;242(6):H1031–7

Eukaryotic DNA replication: viral and plasmid model systems. Challberg MD, et al. **Annu Rev Biochem** 1982; 51:901–34

Two molecular approaches for identification of human genomic sequences whose expression is functionally coupled with DNA replication. Sierra F, et al. **Anticancer Res** 1981;1(6):353–60

Mutators, antimutators, and DNA replication errors: a summary and perspective. Bessman MJ. **Basic Life Sci** 1982; 20:231–4

Comparison of the induction of specific locus mutations in wild–type and repair–deficient strains of Neurospora crassa. de Serres FJ. **Basic Life Sci** 1982;20:335–43

Passive polymerase control of DNA replication fidelity: evidence against unfavored tautomer involvement in 2–aminopurine–induced base–transition mutations. Goodman MF, et al. **Basic Life Sci** 1982;20:213–29

In vitro replication of mutagen–damaged DNA: sites of termination. Moore PD, et al. **Basic Life Sci** 1982;20:179–97

Polymerase infidelity and frameshift mutation. Ripley LS, et al. **Basic Life Sci** 1982;20:161–78

The single–strands of yeast autonomously replicating DNA segments are not recognized as origins of replication by Escherichia coli DNA replication proteins. Bieker JJ, et al. **Biochem Biophys Res Commun** 1981 Jul 16; 101(1):194–200

Different replication pattern of tertiary and quaternary structure chromatin in regenerating rat liver. Brust R, et al. **Biochem Biophys Res Commun** 1981 Jul 30;101(2):359–65

Evidence for the synchronous replication of mitochondrial DNA during the yeast cell cycle. Cottrell SF, et al. **Biochem Biophys Res Commun** 1981 Aug 31;101(4):1350–6

pH stepwise alkaline elution of DNA replication intermediates during S phase. Cress AE, et al. **Biochem Biophys Res Commun** 1981 Oct 15;102(3):845–53

The incorporation of 5–fluoro–2'–deoxyuridine into DNA of mammalian tumor cells. Danenberg PV, et al. **Biochem Biophys Res Commun** 1981 Sep 30;102(2):654–8

Inhibition of (ADP–ribose)n biosynthesis retards DNA repair but does not inhibit DNA repair synthesis. Durkacz BW, et al. **Biochem Biophys Res Commun** 1981 Aug 31; 101(4):1433–41

Induction of mitosis in primary cultures of adult rat hepatocytes under serum–free conditions. Hasegawa K, et al. **Biochem Biophys Res Commun** 1982 Jan 15; 104(1):259–65

Evidence against the specific initiation of Okazaki fragments at the internucleosomal linkers. Opstelten RJ, et al. **Biochem Biophys Res Commun** 1981 Aug 14;101(3):807–13

Fidelity of DNA replication in vivo. Stenesh J, et al. **Biochem Biophys Res Commun** 1981 Jul 16;101(1):230–6

Further evidence supporting the hypothesis of the duplication of the hemoglobin alpha–chain locus in sheep. Vestri R, et al. **Biochem Genet** 1981 Oct;19(9–10):895–900

Structure of chromatin at deoxyribonucleic acid replication forks: prenucleosomal deoxyribonucleic acid is rapidly excised from replicating simian virus 40 chromosomes by micrococcal nuclease. Cusick ME, et al. **Biochemistry** 1981 Nov 10;20(23):6648–58

Nonrandom substitution of 2–aminopurine for adenine during deoxyribonucleic acid synthesis in vitro. Pless RC, et al. **Biochemistry** 1981 Oct 13;20(21):6235–44

A mouse temperature–sensitive mutant defective in H1 histone phosphorylation is defective in deoxyribonucleic acid synthesis and chromosome condensation. Yasuda H, et al. **Biochemistry** 1981 Jul 21;20(15):4414–9

Conversion of dNTP to dNMP dependent on DNA synthesis in isolated Yoshida sarcoma nuclei. Akiyoshi H. **Biochim Biophys Acta** 1982 Mar 29;696(3):332–9

DNA fork displacement rates in human cells. Kapp LN, et al. **Biochim Biophys Acta** 1981 Nov 27;656(1):36–9

DNA fork displacement rates in Bloom's syndrome fibroblasts. Kapp LN. **Biochim Biophys Acta** 1982 Feb 26; 696(2):226–7

DNA methylation in mouse cells in culture as measured by restriction enzymes. Reilly JG, et al. **Biochim Biophys Acta** 1982 Apr 26;697(1):53–9

The role of RNA primer in discontinuous DNA replication in isolated nuclei from HeLa cells. Wang ML, et al. **Biochim Biophys Acta** 1982 Apr 26;697(1):41–52

Characteristics of enzymatic DNA methylation in cultured cells of human and hamster origin, and the effect of DNA

replication inhibition. Woodcock DM, et al. **Biochim Biophys Acta** 1982 Jan 26;696(1):15–22

Evidence that dimers remaining in preinduced Escherichia coli B/r Hcr+ become insensitive after DNA replication to the extract from Micrococcus luteus. Sedliaková M, et al. **Biophys J** 1981 Nov;36(2):429–41

Neocortical histogenesis in normal and reeler mice: a developmental study based upon [3H]thymidine autoradiography. Caviness VS Jr. **Brain Res** 1982 Jul; 256(3):293–302

Patterns of late replication in X chromosomes of human lymphoid cells. Latt SA, et al. **Cancer Genet Cytogenet** 1981 Mar;3(2):171–81

Cell density dependent DNA replication in Ehrlich ascites tumour cells. Rothbarth K, et al. **Cancer Lett** 1981 Mar; 12(1–2):53–60

Generation of tumor cells with reduced DNA content as a result of macrophage tumoricidal activity. Connolly KM, et al. **Cancer Res** 1982 Jun;42(6):2198–206

Initiation of SV40 DNA replication in vivo: location and structure of 5' ends of DNA synthesized in the ori region. Hay RT, et al. **Cell** 1982 Apr;28(4):767–79

Replication of viral DNA sequences integrated within the chromatin of SV40-transformed Chinese hamster lung cells. Marchionni MA, et al. **Cell** 1981 Oct;26(2 Pt 2):245–58

The mechanism of cytoplasmic orthopoxvirus DNA replication. Moyer RW, et al. **Cell** 1981 Dec;27(2 Pt 1):391–401

Instability of transposase activity: evidence from bacteriophage mu DNA replication. Pato ML, et al. **Cell** 1982 May;29(1):219–25

A history of the human fetal globin gene duplication. Shen SH, et al. **Cell** 1981 Oct;26(2 Pt 2):191–203

A chromosome inversion alters the pattern of specific DNA replication in Drosophila follicle cells. Spradling AC, et al. **Cell** 1981 Nov;27(1 Pt 2):203–9

Arrest of segregation leads to accumulation of highly intertwined catenated dimers: dissection of the final stages of SV40 DNA replication. Sundin O, et al. **Cell** 1981 Sep; 25(3):659–69

Cloning yeast telomeres on linear plasmid vectors. Szostak JW, et al. **Cell** 1982 May;29(1):245–55

The remarkable instability of replication loops provides a general method for the isolation of origins of DNA replication. Zannis-Hadjopoulos M, et al. **Cell** 1981 Nov; 27(1 Pt 2):155–63

Microtubules and the regulation of DNA synthesis in fibroblastic cells. (A minireview). Otto AM. **Cell Biol Int Rep** 1982 Jan;6(1):1–18 (49 ref.)

Cell-specific variation of X chromosome replication in the Syrian hamster (Mesocricetus auratus). Cawood AH. **Chromosoma** 1981;84(3):365–72

Studies of mammalian chromosome replication. II. Evidence for the existence of defined chromosome replicating units. Lau YF, et al. **Chromosoma** 1981;83(5):721–41

Satellite versus total DNA replication in relation to endopolyploidy of decidual cells in the mouse. Lejeune B, et al. **Chromosoma** 1982 Feb;84(4):511–6

The double-stranded DNA replication intermediates formed in Chironomus polytene chromosomes consist of two populations. Lönn U. **Chromosoma** 1981;84(2):221–9

Detection of a 10 kb DNA replication intermediate in human melanoma cells. Lönn U. **Chromosoma** 1982;84(5):663–73

DNA replication in polytene chromosomes: similarity of termination patterns in somatic and germ-line derived polytene chromosomes of Anopheles stephensi Liston (Diptera: Culicidae). Redfern CP. **Chromosoma** 1981; 84(1):33–47

Early-replication DNA patterns in a derivative chromosome in a Syrian hamster with only 42 chromosomes. Savage JR, et al. **Chromosoma** 1982 Feb;84(4):505–9

Asynchronous replication of constitutive heterochromatin on X chromosomes in female Mus dunni. Possible influence of facultative heterochromatin on the adjacent constitutive heterochromatin. Sen S, et al. **Chromosoma** 1982; 85(1):119–26

Detection of replicational inceptor signals in IS5. Lusky M, et al. **Cold Spring Harbor Symp Quant Biol** 1980;45 Pt 1:173–6

Genome fusion. Potter H, et al. **Cold Spring Harbor Symp Quant Biol** 1980;45 Pt 1:371–83

Genes are things you have whether you want them or not. Sapienza C, et al. **Cold Spring Harbor Symp Quant Biol** 1980;45 Pt 1:177–82

Regulation of viral transcription and DNA replication by the SV40 large T antigen. Tjian R. **Curr Top Microbiol Immunol** 1981;93:5–24 (114 ref.)

The pattern of early replicating bands in the chromosomes of the mouse. Somssich I, et al. **Cytogenet Cell Genet** 1981; 30(4):222–31

Enzyme involved in DNA replication in the axolotl. I. Analysis of the forms and activities of DNA polymerase and DNA ligase during development. Carré D, et al. **Dev Biol** 1981 Oct 15;87(1):114–25

Enzymes involved in DNA replication in the axolotl. II. Control of DNA ligase activity during very early development. Signoret J, et al. **Dev Biol** 1981 Oct 15; 87(1):126–32

DNA replication is required for tissue-specific enzyme development in ascidian embryos. Satoh N. **Differentiation** 1982;21(1):37–40

Correlation between prolactin-receptor interaction, down-regulation of receptors, and stimulation of casein and deoxyribonucleic acid biosynthesis in rabbit mammary gland explants. Djiane J, et al. **Endocrinology** 1982 Mar; 110(3):791–5

DNA synthesis catalyzed in vitro by yeast extracts. Badaracco G, et al. **Eur J Biochem** 1981 Aug;118(2):247–54

Replication of ribosomal DNA in Xenopus laevis. Bozzoni I, et al. **Eur J Biochem** 1981 Sep 1;118(3):585–90

DNA replication in Physarum polycephalum. Analysis of replicating nuclear DNA using the electron microscope. Hardman N, et al. **Eur J Biochem** 1980 May;106(1):161–7

Bacteriophage fd gene-2 protein. Processing of phage fd viral strands replicated by phage T7 enzymes. Harth G, et al. **Eur J Biochem** 1981 Oct;119(3):663–8

DNA synthesis at a fork in the presence of DNA helicases. Kuhn B, et al. **Eur J Biochem** 1982 Jun 15;125(1):63–8

Specifically primed synthesis in vitro of full-length DNA complementary to potato-spindle-tuber viroid. Rohde W, et al. **Eur J Biochem** 1981 Aug;118(1):151–7

Fibre autoradiography of repair and replication in DNA from single cells: the effect of DNA synthesis inhibitors. Ockey CH. **Eur J Cell Biol** 1982 Apr;27(1):25–33

Involvement of cAMP and cAMP-dependent protein kinase in the initiation of DNA synthesis by rat liver cells. Boynton AL, et al. **Exp Cell Res** 1981 Sep;135(1):199–211

Requirements for competence and commitment of quiescent 3T3-cells to initiate DNA synthesis after growth stimulation in low serum concentration. Engström W. **Exp Cell Res** 1981 Sep;135(1):115–25

The order of DNA replication in mammalian cells. A modified density labelling procedure for isolating sequences replicated at specific times. Grady LJ, et al. **Exp Cell Res** 1982 Apr;138(2):480–5

DNA synthesis catalysed by endogenous templates and DNA-dependent DNA polymerases in spermatogenic cells from rat. Hecht NB, et al. **Exp Cell Res** 1981 Sep; 135(1):103–14

A temperature-sensitive mutant isolated from mouse FM3A cells defective in DNA replication at a non-permissive temperature. Hyodo M, et al. **Exp Cell Res** 1982 Jan; 137(1):31–8

Early initiation of bovine satellite I DNA replication. Matsumoto LH, et al. **Exp Cell Res** 1982 Jul;140(1):47–54

An electron microscope study of chromosomal DNA replication in different eukaryotic systems. Micheli G, et al. **Exp Cell Res** 1982 Jan;137(1):127–40

Spermidine levels and its relationship to DNA synthesis in outgrowing spores and vegetative cells of Bacillus subtilis. Ginsberg D, et al. **FEBS Lett** 1982 Jan 25;137(2):181–5

Segregation of chromosomes and DNA replication in intraspecific L X LS/BL hybrids. Nebola M, et al. **Folia Biol (Praha)** 1981;27(5):324–33

Versatile cloning vectors derived from the runaway-replication plasmid pKN402. Bittner M, et al. **Gene** 1981 Dec;15(4):319–29

Detection in situ of foreign DNA in eukaryotic cells. Hayday A, et al. **Gene** 1981 Oct;15(1):53–65

Lambda transducing phages carrying plasmid R100 replication genes. McIntire SA, et al. **Gene** 1981 Sep; 14(4):321–4

The plasmid cloning vector pBR325 contains a 482 base-pair-long inverted duplication. Prentki P, et al. **Gene** 1981 Sep;14(4):289–99

A set of synthetic oligodeoxyribonucleotide primers for DNA sequencing in the plasmid vector pBR322. Wallace RB, et al. **Gene** 1981 Dec;16(1–3):21–6

Identification of a second locus in Drosophila melanogaster required for excision repair. Boyd JB, et al. **Genetics** 1982 Feb;100(2):239–57

Male-sterilizing interactions between duplications and deficiencies for proximal X-chromosome material in Drosophila melanogaster. Rahman R, et al. **Genetics** 1981 Sep;99(1):49–64

High frequency of genetic duplications in the dnaB region of the Escherichia coli K12 chromosome. Sclafani RA, et al. **Genetics** 1981 Aug;98(4):677–89

The chromosomal distribution of repetitive DNA sequences within the human beta globin gene cluster. Malcolm S, et al. **Hum Genet** 1981;57(4):388–93

Altered frequency of initiation sites of DNA replication in Werner's syndrome cells. Takeuchi F, et al. **Hum Genet** 1982;60(4):365–8

DNA repair and replication in radiation-sensitive and -resistant mouse lymphoma cells gamma-irradiated under aerobic and hypoxic conditions. Johanson KJ, et al. **Int J Radiat Biol** 1982 Mar;41(3):261–70

Isolation of an autonomously replicating DNA fragment from the region of defective bacteriophage PBSX of Bacillus subtilis. Anderson LM, et al. **J Bacteriol** 1982 Jun; 150(3):1280–6

Primary structure of the chromosomal origins (oriC) of Enterobacter aerogenes and Klebsiella pneumoniae: comparisons and evolutionary relationships. Cleary JM, et al. **J Bacteriol** 1982 Jun;150(3):1467–71

Evidence for two genetically distinct DNA primase activities specified by plasmids of the B and I incompatibility groups. Dalrymple BP, et al. **J Bacteriol** 1982 Jul;151(1):1–7

Origin and direction of mini-R1 plasmid DNA replication in cell extracts of Escherichia coli. Diaz R, et al. **J Bacteriol** 1982 Jun;150(3):1077–84

Complementation of replication-deficient deletion derivatives of plasmid mini-F. Ebbers J, et al. **J Bacteriol** 1981 Sep;147(3):736–43

Replication of a low-copy-number plasmid by a plasmid DNA-membrane complex extracted from minicells of Escherichia coli. Firshein W, et al. **J Bacteriol** 1982 Jun; 150(3):1234–43

A gene coding for a periplasmic protein is located near the locus for termination of chromosome replication in Escherichia coli. Harayama S, et al. **J Bacteriol** 1982 Sep; 151(3):1391–6

Conformation and segregation of nucleoids accompanying cell length extension after completion of a single round of DNA replication in germinated and outgrowing Bacillus subtilis spores. Hariharan IK, et al. **J Bacteriol** 1982 May; 150(2):861–9

Initiation of chromosome replication in dnaA and dnaC mutants of Escherichia coli B/r F. Helmstetter CE, et al. **J Bacteriol** 1982 Feb;149(2):685–93

Possible involvement of DNA-linked RNA in the initiation of Bacillus subtilis chromosome replication. Henckes G, et al. **J Bacteriol** 1982 Jan;149(1):79–91

Regular segregation of composite plasmid Rms201. Ike Y, et al. **J Bacteriol** 1981 Nov;148(2):534–40

Selection and characterization of ColE1 plasmid mutants that exhibit altered stability and replication. Inselburg J. **J Bacteriol** 1981 Sep;147(3):962–71

Kinetics of minichromosome replication in Escherichia coli B/r. Leonard AC, et al. **J Bacteriol** 1982 Feb; 149(2):499–507

Expression of a copy number control gene (copB) of plasmid R1 is constitutive and growth rate dependent. Light J, et al. **J Bacteriol** 1982 Sep;151(3):1129–35

Suppression of Escherichia coli dnaA46 mutations by integration of plasmid R100.1. derivatives: constraints imposed by the replication terminus. Louarn J, et al. **J Bacteriol** 1982 Aug;151(2):657–67

Circular organization of the DNA synthetic pathway in Caulobacter crescentus. Nathan P, et al. **J Bacteriol** 1982 Jul;151(1):503–6

dnaC-dependent reconstitution of replication forks in Escherichia coli lysates. Nüsslein-Crystalla V, et al. **J Bacteriol** 1982 Apr;150(1):286–92

Replication terminus of the Bacillus subtilis chromosome. O'Sullivan MA, et al. **J Bacteriol** 1982 Jul;151(1):135–43

Comparison among patterns of macromolecular synthesis in Escherichia coli B/r at growth rates of less and .nore than one doubling per hour at 37 degrees C. Pierucci O, et al. **J Bacteriol** 1981 Nov;148(2):684–96

Molecular cloning and functional characterization of a copy number control gene (copB) of plasmid R1. Riise E, et al. **J Bacteriol** 1982 Sep;151(3):1136–45

Cell wall synthesis and initiation of deoxyribonucleic acid replication in Bacillus subtilis. Sandler N, et al. **J Bacteriol** 1981 Nov;148(2):443–9

ATP requirement for the processes of DNA replication in isolated HeLa cell nuclei. Enomoto T, et al. **J Biochem (Tokyo)** 1981 Mar;89(3):801–7

Involvement of host cell gene products in conversion of bacteriophage S13 single-stranded DNa to duplex replicative form DNA in vitro. Watabe K, et al. **J Biochem (Tokyo)** 1981 Sep;90(3):779–83

Incorporation of E-5-(2-halovinyl)-2'-deoxyuridines into deoxyribonucleic acids of herpes simplex virus type 1-infected cells. Allaudeen HS, et al. **J Biol Chem** 1982 Jan 25;257(2):603–6

Dual- nature of newly replicated chromatin. Evidence for nucleosomal and non-nucleosomal DNA at the site of native replication forks. Annunziato AT, et al. **J Biol Chem** 1981 Nov 25;256(22):11880–6

Association of newly synthesized histones with replicating and nonreplicating regions of chromatin. Annunziato AT, et al. **J Biol Chem** 1982 Jul 25;257(14):8507–15

Intermediate stages in enzymatic replication of bacteriophage fd duplex DNA. Geider K, et al. **J Biol Chem** 1982 Jun 10;257(11):6488–93

The rho subunit of RNA polymerase holoenzyme confers specificity in priming M13 viral DNA replication. Kaguni JM, et al. **J Biol Chem** 1982 May 25;257(10):5437–43

On the fidelity of DNA replication. Effect of the next nucleotide on proofreading. Kunkel TA, et al. **J Biol Chem** 1981 Oct 10;256(19):9883–9

Protein n, a primosomal DNA replication protein of Escherichia coli. Purification and characterization. Low RL, et al. **J Biol Chem** 1982 Jun 10;257(11):6242–50

Synthesis of murine leukemia virus plus strong stop DNA initiates at a unique site. Mitra SW, et al. **J Biol Chem** 1982 Jun 10;257(11):5983–6

Separate requirements for leading and lagging strand DNA synthesis during phi X A protein-dependent RF goes to RF DNA replication in vitro. Reinberg D, et al. **J Biol Chem** 1981 Dec 25;256(24):13143–51

Rapid hydrolysis of deoxynucleoside triphosphates accompanies DNA synthesis by T4 DNA polymerase and T4 accessory proteins 44/62 and 45. Roth AC, et al. **J Biol Chem** 1982 Feb 10;257(3):1267–73

DNA polymerase beta involvement in DNA endoreduplication in rat giant trophoblast cells. Siegel RL, et al. **J Biol Chem** 1982 Feb 25;257(4):1785–90

DNA primase activity from human lymphocytes. Synthesis of oligoribonucleotides that prime DNA synthesis. Tseng BY, et al. **J Biol Chem** 1982 Jul 10;257(13):7280–3

Characterization of a rat liver mitochondrial DNA-protein

complex. Replicative intermediates are protected against branch migrational loss. Van Tuyle GC, et al. **J Biol Chem** 1981 Dec 25;256(24):12772–9

Effect of deoxynucleoside phosphorothioates incorporated in DNA on cleavage by restriction enzymes. Vosberg HP, et al. **J Biol Chem** 1982 Jun 10;257(11):6595–9

Specific sequences in native DNA that arrest synthesis by DNA polymerase alpha. Weaver DT, et al. **J Biol Chem** 1982 Feb 25;257(4):2075–86

Mouse DNA replicase. DNA polymerase associated with a novel RNA polymerase activity to synthesize initiator RNA of strict size. Yagura T, et al. **J Biol Chem** 1982 Sep 25;257(18):11121–7

Bacteriophage f1 gene II and X proteins. Isolation and characterization of the products of two overlapping genes. Yen TS, et al. **J Biol Chem** 1981 Nov 10;256(21):11259–65

Repair responses to DNA damage: enzymatic pathways in E coli and human cells. Hanawalt PC, et al. **J Cell Biochem** 1982;18(3):271–83

Amplified dihydrofolate reductase genes are located in chromosome regions containing DNA that replicates during the first half of S-phase. Kellems RE, et al. **J Cell Biol** 1982 Feb;92(2):531–9

On the 'clock' mechanism determining the time of tissue-specific enzyme development during ascidian embryogenesis. II. Evidence for association of the clock with the cycle of DNA replication. Satoh N, et al. **J Embryol Exp Morphol** 1981 Aug;64:61–71

A conjugative 'plasmid' lacking autonomous replication. Nugent ME. **J Gen Microbiol** 1981 Oct;126(Pt 2):305–10

Relationships between the physical and genetic maps of a 470 x 10(3) base-pair region around the terminus of Escherichia coli K12 DNA replication. Bouché JP, et al. **J Mol Biol** 1982 Jan 5;154(1):21–32

Physical map of a 470 x 10(3) base-pair region flanking the terminus of DNA replication in the Escherichia coli K12 genome. Bouché JP. **J Mol Biol** 1982 Jan 5;154(1):1–20

Replication of a plasmid containing two origins of bacteriophage. Dotto GP, et al. **J Mol Biol** 1981 Nov 25; 153(1):169–76

Kinetic basis of spontaneous mutation. Misinsertion frequencies, proofreading specificities and cost of proofreading by DNA polymerases of Escherichia coli. Fersht AR, et al. **J Mol Biol** 1982 Mar 25;156(1):37–51

Specificity determinants for bacteriophage lambda DNA replication. III. Activation of replication in lambda ric mutants by transcription outside of ori. Furth ME. et al. **J Mol Biol** 1982 Jan 5;154(1):65–83

Pf1 bacteriophage replication--assembly complex. X-ray fibre diffraction and scanning transmission electron microscopy. Kneale GG, et al. **J Mol Biol** 1982 Apr 5; 156(2):279–92

Stimulation of polyoma DNA replication in isolated nucleoprotein complexes by factors from Drosophila embryos. Mastromei G, et al. **J Mol Biol** 1981 Oct 5; 151(4):627–43

A small polyadenylated RNA (7 S RNA), containing a putative ribosome attachment site, maps near the origin of human mitochondrial DNA replication. Ojala D, et al. **J Mol Biol** 1981 Aug 5;150(2):303–14

Nucleosome segregation in chromatin replicated in the presence of cycloheximide. Pospelov V, et al. **J Mol Biol** 1982 Mar 25;156(1):79–91

Visualization of nascent RNA transcripts and simultaneous transcription and replication in viral nucleoprotein complexes from adenovirus 2-infected HeLa cells. Wolgemuth DJ, et al. **J Mol Biol** 1981 Apr 5;147(2):247–68

Microchemical instrumentation. Hood L, et al. **J Supramol Struct Cell Biochem** 1981;17(1):27–36

Unscheduled synthesis of DNA and poly(ADP-ribose) in human fibroblasts following DNA damage. McCurry LS, et al. **J Supramol Struct Cell Biochem** 1981;17(1):87–90

Cell division after inhibition of chromosome replication in Escherichia coli. Bremer H, et al. **J Theor Biol** 1981 Dec 21;93(4):909–26

Macromolecular composition of bacteria. Churchward G, et al. **J Theor Biol** 1982 Feb 7;94(3):651–70

The continuum model: statistical implications. Cooper S. **J Theor Biol** 1982 Feb 21;94(4):783–800

On the relations between error rates in DNA replication and elementary chemical rate constants. Durup J. **J Theor Biol** 1982 Feb 7;94(3):607–32

Eukaryotic chromosome replication and the radial loop model. Wilkins AS. **J Theor Biol** 1981 Apr 21;89(4):715–7

Transforming genes among three different oncogenic subgroups of human adenoviruses have similar replicative functions. Brusca JS, et al. **J Virol** 1981 Jul;39(1):300–5

Initiation of adenovirus DNA replication: detection of covalent complexes between nucleotide and the 80-kilodalton terminal protein. Challberg MD, et al. **J Virol** 1982 Jan;41(1):265–70

Deletion analysis of the cloned replication origin region from bacteriophage M13. Cleary JM, et al. **J Virol** 1981 Oct; 40(1):197–203

Semiconservative DNA replication is initiated at a single site in recombination-deficient gene 32 mutants of bacteriophage T4. Dannenberg R, et al. **J Virol** 1981 Dec; 40(3):890–900

Frog virus 3 DNA replication occurs in two stages. Goorha R. **J Virol** 1982 Aug;43(2):519–28

Late events in T4 bacteriophage DNA replication. III. Specificity of DNA reinitiation as revealed by hybridization to cloned genetic fragments. Halpern M, et al. **J Virol** 1982 May;42(2):422–31

Coliphage 186 infection requires host initiation functions dnaA and dnaC. Hooper I, et al. **J Virol** 1981 Nov; 40(2):599–601

Structure of replicating herpes simplex virus DNA. Jongeneel CV, et al. **J Virol** 1981 Aug;39(2):656–60

DNA polymerase requirements for parvovirus H-1 DNA replication in vitro. Kollek R, et al. **J Virol** 1982 Mar; 41(3):982–9

Partial replication of UV-irradiated T4 bacteriophage DNA results in amplification of specific genetic areas. Ling SK, et al. **J Virol** 1981 Nov;40(2):403–10

Mechanism of replication of bacteriophage phi X174 XX. Sensitivity of nascent DNA to single-strand-specific nucleases. Matthes M, et al. **J Virol** 1982 Apr;42(1):12–9

Mechanism of replication of bacteriophage phi X174 XIX. Initiation of phi X174 viral strand DNA synthesis at internal sites on the genome. Matthes M, et al. **J Virol** 1982 Apr;42(1):301–5

Discontinuous synthesis of both strands at the growing fork during polyoma DNA replication in vitro. Närkhammar-Meuth M, et al. **J Virol** 1981 Jul;39(1):11–20

Both strands of polyoma DNA are replicated discontinuously with ribonucleotide primers in vivo. Närkhammar-Meuth M, et al. **J Virol** 1981 Jul;39(1):21–30

DNA sequence of the 5' terminus containing the replication origin of parvovirus replicative form DNA. Rhode SL 3d, et al. **J Virol** 1982 Mar;41(3):990–9

Complementation for replicative form DNA replication of a deletion mutant of H-1 by various parvoviruses. Rhode SL 3d. **J Virol** 1982 Jun;42(3):1118–22

Distribution of replicating simian virus 40 DNA in intact cells and its maturation in isolated nuclei. Tapper DP, et al. **J Virol** 1982 Mar;41(3):877–92

Cloned bacteriophage phi X174 DNA sequence interferes with synthesis of the complementary strand of infecting bacteriophage phi X174. van der Avoort HG, et al. **J Virol** 1982 Apr;42(1):1–11

Cessation of reentry of simian virus 40 DNA into replication and its simultaneous appearance in nucleoprotein complexes of the maturation pathway. Wang HT, et al. **J Virol** 1981 Jul;39(1):255–62

An electrophoretic method for the detection of replicating, supercoiled simian virus 40 DNA. Friedrich TD, et al. **J Virol Methods** 1980;1(4):235–9

Excision of chromosomal DNA sequences from Streptomyces coelicolor forms a novel family of plasmids detectable in Streptomyces lividans. Bibb MJ, et al. **MGG** 1981;184(2):230–40

P1 transduction map spanning the replication terminus of Escherichia coli K12. Bitner RM, et al. **MGG** 1981; 184(2):208–12

Postreplication repair defects in mutants of Drosophila melanogaster. Boyd JB, et al. **MGG** 1982;186(2):289–94

Abnormal recovery of DNA replication in ultraviolet-irradiated cell cultures of Drosophila melanogaster which are defective in DNA repair. Brown TC, et al. **MGG** 1981;183(2):363–8

Role of DNA replication in the induction and turn-off of the SOS response in Escherichia coli. Casaregola S, et al. **MGG** 1982;185(3):440–4

The target of the negative regulator of pMB1 replication overlaps with part of the repressor coding sequence. Cesareni G. **MGG** 1981;184(1):40–5

Regulation of DNA synthesis and capacity for initiation in DNA temperature sensitive mutants of Escherichia coli I. Reinitiation and chain elongation. Eberle H, et al. **MGG** 1982;186(1):57–65

Regulation of DNA synthesis and capacity for initiation in DNA temperature sensitive mutants of Escherichia coli. II. Requirements for acquisition and expression of initiation capacity. Eberle H, et al. **MGG** 1982;186(1):66–70

Regulation of DNA synthesis and capacity for initiation in DNA temperature mutants of Escherichia coli. III. Synthesis of the dnaA protein and of DNA-binding proteins. Eberle H, et al. **MGG** 1982;186(1):71–7

Essential role of the gyrB gene product in the transcriptional event coupled to dnaA-dependent initiation of Escherichia coli chromosome replication. Filutowicz M, et al. **MGG** 1981;183(1):134–8

The initiation of chromosome replication in a dnaAts46 and a dnaA+ strain at various temperatures. Frey J, et al. **MGG** 1981;182(2):364–6

Bacteriophage Mu DNA replication is stimulated by non-essential early functions. Goosen T, et al. **MGG** 1982; 186(1):135–9

Isolation of Physarum DNA segments that support autonomous replication in yeast. Gorman JA, et al. **MGG** 1981;183(2):306–13

Surface exclusion between F' plasmids in strains of Escherichia coli K-12 carrying a dnaB mutation, in the presence or absence of bacteriophage genomes providing a dnaB analog function. Jones RM, et al. **MGG** 1981; 183(2):238–42

Use of a known plasmid and transposon as tracers for the incompatibility classification of a cryptic plasmid. Judge MS, et al. **MGG** 1982;186(2):282–8

Replication control functions of plasmid R1 act as inhibitors of expression of a gene required for replication. Light J, et al. **MGG** 1981;184(1):56–61

Promoters in the region of the E. coli replication origin. Morelli G, et al. **MGG** 1981;184(2):255–9

Initiation of chromosomal DNA synthesis in vitro. Projan SJ, et al. **MGG** 1981;182(2):263–7

Complementation of a dnaC initiation defect in vitro. Projan SJ, et al. **MGG** 1981;183(1):74–7

RNA polymerase is required for DNA initiation in vitro. Projan SJ, et al. **MGG** 1981;183(1):78–81

Deletion map of the Escherichia coli K-12 dnaB gene. Sclafani RA, et al. **MGG** 1981;183(2):314–7

Structure and function of the region of the replication origin of the Bacillus subtilis chromosome. II. Identification of the essential regions for inhibitory functions shown by the DNA segment containing the replication origin. Seiki M, et al. **MGG** 1981;183(2):227–33

Structure and function of the region of the replication origin of the Bacillus subtilis chromosome. I. Isolation and characterization of plasmids containing the origin region. Seiki M, et al. **MGG** 1981;183(2):220–6

The replication of Escherichia coli chromosome can be initiated by integrated ColE1-type plasmids. Strizhov NI, et al. **MGG** 1981;182(2):355–7

Effect of the dnaN mutation on the growth of small DNA phages. Taketo A. **MGG** 1981;183(1):130–3

The influence of host DNA replication on the formation of infectious and transducing Mu-particles. Teifel J, et al. **MGG** 1981;184(2):308–11

Isolation of DNA fragments containing replicating growing forks from both E. coli and B. subtilis. Valenzuela MS, et al. **MGG** 1981;181(2):241–7

Multiply branched replicative intermediates in E. coli and bacteriophage lambda. Valenzuela MS, et al. **MGG** 1981; 184(3):450–6

Mutations induced by X-rays and UV radiation during the nuclear cell cycle in the yeast Schizosaccharomyces pombe. Barale R, et al. **Mutat Res** 1982 Feb 22; 92(1–2):39–47

Validation of a DNA-repair synthesis assay on pools of fresh and frozen-thawed lymphocytes. Capelli E, et al. **Mutat Res** 1982 Apr;104(1–3):187–91

DNA-repair synthesis in ataxia telangiectasis lymphoblastoid cells. Ford MD, et al. **Mutat Res** 1981 Dec;84(2):419–27

The mutagenic effect of deoxynucleotide substrate imbalances during DNA synthesis with mammalian DNA polymerases. Kunkel TA, et al. **Mutat Res** 1982 Jun; 94(2):413–9

A reduced capacity for unscheduled DNA synthesis in lymphocytes from individuals exposed to propylene oxide and ethylene oxide. Pero RW, et al. **Mutat Res** 1982 Apr; 104(1–3):193–200

Stability of Drosophila melanogaster chromosomes replicating for the first time in a repair-deficient cell. Würgler FE, et al. **Mutat Res** 1982 Feb 22;92(1–2):99–106

Differences in the induction of specific deletions and duplications by two male recombination factors isolated from the same Drosophila natural population. Yannopoulos G, et al. **Mutat Res** 1981 Oct;83(3):383–93

DNA synthesis in purified DNA-membrane complexes extracted from a Bacillus subtilis pol A mutant. Benjamin P, et al. **Nature** 1982 Aug 19;298(5876):769–71

Inducible responses to DNA damage [news] Bridges B, et al. **Nature** 1982 Jul 8;298(5870):118–9

The origins of replication of the yeast mitochondrial genome and the phenomenon of suppressivity. de Zamaroczy M, et al. **Nature** 1981 Jul 2;292(5818):75–8

Ribosomal RNA genes in the replication origin region of Bacillus subtilis chromosome. Henckes G, et al. **Nature** 1982 Sep 16;299(5880):268–71

Enzymatic replication of E. coli chromosomal origin is bidirectional. Kaguni JM, et al. **Nature** 1982 Apr 15; 296(5858):623–7

De novo DNA synthesis by a novel mouse DNA polymerase associated with primase activity. Kozu T, et al. **Nature** 1982 Jul 8;298(5870):180–2

Base pairing of RNA I with its complementary sequence in the primer precursor inhibits ColE1 replication. Lacatena RM, et al. **Nature** 1981 Dec 17;294(5842):623–6

Excision of polyoma virus genomes from chromosomal DNA by homologous recombination. Lania L, et al. **Nature** 1982 Jan 28;295(5847):349–50

Promoters in the E. coli replication origin. Lother H, et al. **Nature** 1981 Nov 26;294(5839):376–8

Enzymatic synthesis of bacteriophage fd viral DNA. Meyer TF, et al. **Nature** 1982 Apr 29;296(5860):828–32

Loss of intervening sequences in genomic mouse alpha-globin DNA inserted in an infectious retrovirus vector. Shimotohno K, et al. **Nature** 1982 Sep 16; 299(5880):265–8

Analysis of the terminus region of the Bacillus subtilis chromosome. Weiss AS, et al. **Nature** 1981 Oct 22; 293(5834):673–5

Site-specific mutagenesis by error-directed DNA synthesis. Zakour RA, et al. **Nature** 1982 Feb 25;295(5851):708–10

Deoxyribonucleotide synthesis and the emergence of DNA in molecular evolution. Follmann H. **Naturwissenschaften** 1982 Feb;69(2):75–81

Replication of lambda dv DNA in vitro. Anderl A, et al. **Nucleic Acids Res** 1982 Mar 11;10(5):1733–40

Structure of replication origin of the Escherichia coli K-12 chromosome: the presence of spacer sequences in the ori region carrying information for autonomous replication. Asada K, et al. **Nucleic Acids Res** 1982 Jun 25; 10(12):3745–54

Overlapping genes at the DNA primase locus of the large plasmid ColI. Boulnois GJ, et al. **Nucleic Acids Res** 1982 Feb 11;10(3):855–69

Replication of the extrachromosomal ribosomal RNA genes of Tetrahymena thermophilia. Cech TR, et al. **Nucleic Acids Res** 1981 Jul 24;9(14):3531–43

Changes in chromatin structure at the replication fork. II The DNPs containing nascent DNA and a transient chromatin modification detected by DNAase I. Galili G, et al. **Nucleic Acids Res** 1981 Aug 25;9(16):3991–4005

New rapid methods for DNA sequencing based in exonuclease III digestion followed by repair synthesis. Guo LH, et al. **Nucleic Acids Res** 1982 Mar 25;10(6):2065–84

Construction and characterization of recombinant plasmid DNAs containing sequences of the origin of bacteriophage phi X174 DNA replication. Heidekamp F, et al. **Nucleic Acids Res** 1981 Jul 24;9(14):3335–54

Discriminatory function of ribonuclease H in the selective initiation of plasmid DNA replication. Hillenbrand G, et al. **Nucleic Acids Res** 1982 Feb 11;10(3):833–52

Fine mapping of secondary structures of fd phage DNA in the region of the replication origin. Huang CC, et al. **Nucleic Acids Res** 1981 Nov 11;9(21):5587–99

The sites of deposition of newly synthesized histone. Jackson V, et al. **Nucleic Acids Res** 1981 Sep 25;9(18):4563–81

A comparison of experimental and theoretical melting maps for replicative form of phi X174 DNA. Lyubchenko YuL, et al. **Nucleic Acids Res** 1982 Mar 25;10(6):1867–76

Characterization of nascent DNA fragments produced by excision of uracil residues in DNA. Machida Y, et al. **Nucleic Acids Res** 1981 Sep 25;9(18):4755–66

Metabolism of dITP in HeLa cell extracts, incorporation into DNA by isolated nuclei and release of hypoxanthine from DNA by a hypoxanthine–DNA glycosylase activity. Myrnes B, et al. **Nucleic Acids Res** 1982 Jun 25; 10(12):3693–701

Reverse transcription of avian myeloblastosis virus 35S RNA. Early synthesis of plus strand DNA of discrete size in reconstructed reactions. Olsen JC, et al. **Nucleic Acids Res** 1982 Feb 11;10(3):1009–27

Replication of SV40 chromatin in extracts from eggs of Xenopus laevis. Richter A, et al. **Nucleic Acids Res** 1981 Aug 11;9(15):3793–807

The chromosomal origin of replication (oriC) of Erwinia carotovora. Takeda Y, et al. **Nucleic Acids Res** 1982 Apr 24;10(8):2639–50

A region of the polyoma virus genome between the replication origin and late protein coding sequences is required in cis for both early gene expression and viral DNA replication. Tyndall C, et al. **Nucleic Acids Res** 1981 Dec 11;9(23):6231–50

Enzymatic properties of the bacteriophage phi X174 A protein on superhelical phi X174 DNA: a model for the termination of the rolling circle DNA replication. van der Ende A, et al. **Nucleic Acids Res** 1981 May 11;9(9):2037–53

Characterization of the DNA duplication–transposition that controls the expression of two genes for variant surface glycoproteins in Trypanosoma brucei. Van der Ploeg LH, et al. **Nucleic Acids Res** 1982 Jan 22;10(2):593–609

Phi X 174 gene A protein does not cleave at a mouse mitochondrial DNA sequence homologous to the phi X and G4 cleavage site. Döda JN, et al. **Plasmid** 1981 Nov; 6(3):354–7

Mechanism of mitochondrial DNA replication in mouse L cells: localization of alkali-sensitive sites at the two origins of replication. Margolin K, et al. **Plasmid** 1981 Nov; 6(3):332–41

Origin and mode of replication of plasmids pE184 and pUB110. Scheer-Abramowitz J, et al. **Plasmid** 1981 Jul; 6(1):67–77

F plasmid replication and the division cycle of Escherichia coli B/r. Steinberg DA, et al. **Plasmid** 1981 Nov; 6(3):342–53

Synthesis and repair of RNA–containing supercoiled plasmid ColE1 DNA in Escherichia coli. Williams PH, et al. **Plasmid** 1982 Mar;7(2):180–91

Territorial limits and functional anatomy of the simian virus 40 replication origin. Bergsma DJ, et al. **Proc Natl Acad Sci USA** 1982 Jan;79(2):381–5

Fate of viral DNA in nonpermissive cells infected with simian virus 40. Chia W, et al. **Proc Natl Acad Sci USA** 1981 Nov;78(11):6638–42

Regulation of DNA replication: 'target' determinant of the replication control elements of plasmid R6–5 lies within a control element gene. Danbara H, et al. **Proc Natl Acad Sci USA** 1981 Aug;78(8):4699–703

Initiation of nuclear DNA replication: evidence for formation of committed prereplicative cellular state. Das M. **Proc Natl Acad Sci USA** 1981 Sep;78(9):5677–81

Adenovirus DNA replication in vitro: purification of the terminal protein in a functional form. Enomoto T, et al. **Proc Natl Acad Sci USA** 1981 Nov;78(11):6779–83

DNA polymerase accuracy and spontaneous mutation rates: frequencies of purine.purine, purine.pyrimidine, and pyrimidine.pyrimidine mismatches during DNA replication. Fersht AR, et al. **Proc Natl Acad Sci USA** 1981 Jul;78(7):4251–5

Enzymatic replication of the origin of the Escherichia coli chromosome. Fuller RS, et al. **Proc Natl Acad Sci USA** 1981 Dec;78(12):7370–4

An amplified chromosomal sequence that includes the gene for dihydrofolate reductase initiates replication within specific restriction fragments. Heintz NH, et al. **Proc Natl Acad Sci USA** 1982 Jul;79(13):4083–7

In vitro replication of recombinant plasmids carrying chromosomal segments of Xenopus laevis. Hiraga S, et al. **Proc Natl Acad Sci USA** 1982 Jun;79(12):3697–701

Evidence that a high molecular weight replicative DNA polymerase is conserved during evolution. Hübscher U, et al. **Proc Natl Acad Sci USA** 1981 Nov;78(11):6771–5

Properties of a Saccharomyces cerevisiae mtDNA segment conferring high-frequency yeast transformation. Hyman BC, et al. **Proc Natl Acad Sci USA** 1982 Mar;79(5):1578–82

Adenoviral protein–primed initiation of DNA chains in vitro. Ikeda JE, et al. **Proc Natl Acad Sci USA** 1982 Apr; 79(8):2442–6

Use of whole-cell fixation to visualize replicating and maturing simian virus 40: identification of new viral gene product. Jackson V, et al. **Proc Natl Acad Sci USA** 1981 Oct;78(10):6081–5

Protein complexes from active replicative fractions associate in vitro with the replication origins of yeast 2-micrometers DNA plasmid. Jazwinski SM, et al. **Proc Natl Acad Sci USA** 1982 Jun;79(11):3428–32

Template-directed pausing in in vitro DNA synthesis by DNA polymerase a from Drosophila melanogaster embryos. Kaguni LS, et al. **Proc Natl Acad Sci USA** 1982 Feb;79(4):983–7

Replication of plasmid pT181 DNA in vitro: requirement for a plasmid-encoded product. Khan SA, et al. **Proc Natl Acad Sci USA** 1981 Aug;78(8):4902–6

Viable deletions of the M13 complementary strand origin. Kim MH, et al. **Proc Natl Acad Sci USA** 1981 Nov; 78(11):6784–8

Yeast 2-micrometer plasmid DNA replication in vitro: origin and direction. Kojo H, et al. **Proc Natl Acad Sci USA** 1981 Dec;78(12):7261–5

Synthesis of parvovirus H-1 replicative form from viral DNA by DNA polymerase gamma. Kollek R, et al. **Proc Natl Acad Sci USA** 1981 Oct;78(10):6206–10

Functional cooperation of the dnaE and dnaN gene products in Escherichia coli. Kuwabara N, et al. **Proc Natl Acad Sci USA** 1981 Sep;78(9):5764–7

Two alternative mechanisms for initiation of DNA replication forks in bacteriophage T4: priming by RNA polymerase and by recombination. Luder A, et al. **Proc Natl Acad Sci USA** 1982 Feb;79(4):1101–5

S phase–specific synthesis of dihydrofolate reductase in Chinese hamster ovary cells. Mariani BD, et al. **Proc Natl Acad Sci USA** 1981 Aug;78(8):4985–9

Asymmetric replication of duck hepatitis B virus DNA in liver cells: Free minus-strand DNA. Mason WS, et al. **Proc Natl Acad Sci USA** 1982 Jul;79(13):3997–4001

Are DNA precursors concentrated at replication sites? Mathews CK, et al. **Proc Natl Acad Sci USA** 1982 Jan; 79(2):302–6

SOS induction and autoregulation of the himA gene for site-specific recombination in Escherichia coli. Miller HI, et al. **Proc Natl Acad Sci USA** 1981 Nov;78(11):6754–8

Complementation of the defects of DNA synthesis in irradiated and unirradiated ataxia-telangiectasia cells. Murnane JP, et al. **Proc Natl Acad Sci USA** 1982 Mar; 79(6):1960–3

Alternate pathways of DNA replication: DNA polymerase I–dependent replication. Niwa O, et al. **Proc Natl Acad Sci USA** 1981 Nov;78(11):7024–7

Identification of ColE1 DNA sequences that direct single strand-to-double strand conversion by a phi X174 type mechanism. Nomura N, et al. **Proc Natl Acad Sci USA** 1982 May;79(10):3153–7

Coding sequence for the pT181 repC product: a plasmid-coded protein uniquely required for replication. Novick RP, et al. **Proc Natl Acad Sci USA** 1982 Jul; 79(13):4108–12

Replication of linear mitochondrial DNA from Paramecium: sequence and structure of the initiation–end crosslink. Pritchard AE, et al. **Proc Natl Acad Sci USA** 1981 Dec; 78(12):7341–5

A DNA fragment with an alpha-phosphorothioate nucleotide at one end is asymmetrically blocked from digestion by exonuclease III and can be replicated in vivo. Putney SD, et al. **Proc Natl Acad Sci USA** 1981 Dec;78(12):7350–4

Initiation of DNA replication at the primary origin of bacteriophage T7 by purified proteins: requirement for T7 RNA polymerase. Romano LJ, et al. **Proc Natl Acad Sci USA** 1981 Jul;78(7):4107–11

Nucleosome segregation at a defined mammalian chromosomal site. Roufa DJ, et al. **Proc Natl Acad Sci USA** 1982 Mar;79(6):1810–4

Assembly of new histones into nucleosomes and their distribution in replicating chromatin. Russev G, et al. **Proc Natl Acad Sci USA** 1982 May;79(10):3143–7

Replication and expression of a bacterial--mitochondrial hybrid plasmid in the fungus Podospora anserina. Stahl U, et al. **Proc Natl Acad Sci USA** 1982 Jun;79(11):3641–5

RNAs involved in copy-number control and incompatibility of plasmid R1. Stougaard P, et al. **Proc Natl Acad Sci USA** 1981 Oct;78(10):6008–12

Function of adenovirus terminal protein in the initiation of DNA replication. Tamanoi F, et al. **Proc Natl Acad Sci USA** 1982 Apr;79(7):2221–5

Interaction of the Escherichia coli dnaA initiation protein with the dnaZ polymerization protein in vivo. Walker JR, et al. **Proc Natl Acad Sci USA** 1982 May;79(10):3340–4

DNA replication–mediated recombination of molecules of adenovirus 2 DNA. Wolgemuth DJ, et al. **Proc Natl Acad Sci USA** 1981 Aug;78(8):5076–80

Temperature-sensitive copy number mutants of ColE1 are located in an untranslated region of the plasmid genome. Wong EM, et al. **Proc Natl Acad Sci USA** 1982 Jun; 79(11):3570–4

Priming of DNA synthesis by diadenosine 5',5"–P1,P4–tetraphosphate with a double-stranded octadecamer as a template and DNA polymerase alpha. Zamecnik PC, et al. **Proc Natl Acad Sci USA** 1982 Mar; 79(6):1791–4

Escherichia coli factor Y sites of plasmid pBR322 can function as origins of DNA replication. Zipursky SL, et al. **Proc Natl Acad Sci USA** 1981 Oct;78(10):6111–5

Enzymic editing mechanisms and the genetic code. Fersht AR. **Proc R Soc Lond [Biol]** 1981 Aug 19;212(1189):351–79 (96 ref.)

Effect of macrophages on fibroblast DNA synthesis and proliferation. Diegelmann RF, et al. **Proc Soc Exp Biol Med** 1982 Apr;169(4):445–51

Aging and hydrocortisone effects on transient structures of replicative DNA of human fibroblasts. Icard-Liepkalns C, et al. **Proc Soc Exp Biol Med** 1982 Jul;170(3):373–7

Hormones, growth, and DNA replication. Mainwaring WI. **Prog Clin Biol Res** 1981;74:413–26

Chromatin replication in Tetrahymena pyriformis. Annunziato AT, et al. **Prog Nucleic Acid Res Mol Biol** 1981;26:135–49

Enzyme studies of phi X174 DNA replication. Arai K, et al. **Prog Nucleic Acid Res Mol Biol** 1981;26:9–32

Replication of linear duplex DNA in vitro with bacteriophage T5 DNA polymerase. Fujimura RK, et al. **Prog Nucleic Acid Res Mol Biol** 1981;26:49–62

Repair replication schemes in bacteria and human cells. Hanawalt PC, et al. **Prog Nucleic Acid Res Mol Biol** 1981; 26:181–96

The DNA replication origin (ori) of Escherichia coli: structure and function of the ori-containing DNA fragment. Hirota Y, et al. **Prog Nucleic Acid Res Mol Biol** 1981;26:33–48

In vitro packaging of damaged bacteriophage T7 DNA. Masker WE, et al. **Prog Nucleic Acid Res Mol Biol** 1981; 26:227–36

Role of chromatin structure, histone acetylation, and the primary sequence of DNA in the expression of SV40 and polyoma in normal or teratocarcinoma cells. Moyne G, et al. **Prog Nucleic Acid Res Mol Biol** 1981;26:151–67

Molecular mechanism for the induction of 'SOS' functions. Oishi M, et al. **Prog Nucleic Acid Res Mol Biol** 1981; 26:281–301

Functions induced by damaged DNA: summary. Witkin EM. **Prog Nucleic Acid Res Mol Biol** 1981;26:247–50

Prostatic binding protein, polyamine, and DNA synthesis in rat ventral prostate cells. McKeehan WL, et al. **Prostate** 1982;3(3):231–46

Mechanisms of tolerance to DNA lesions in mammalian cells. Meneghini R, et al. **Q Rev Biophys** 1981 Aug;14(3):381–432 (132 ref.)

The effect of hyperthermia on replicating chromatin. Warters RL, et al. **Radiat Res** 1981 Oct;88(1):69–78

Coupling of histone and DNA synthesis in the somatic cell cycle. Delegeane AM, et al. **Science** 1982 Jan 1; 215(4528):79–81

Epstein–Barr virus–induced deoxynuclease and the reutilization of host-cell DNA degradation products in viral DNA replication. Feighny RJ, et al. **Virology** 1981 Dec;115(2):395–400

The 'steady state' of coliphage f1: DNA synthesis late in infection. Lerner TJ, et al. **Virology** 1981 Dec;115(2):282–94

Viable polyoma virus variant with two origins of DNA replication. Magnusson G, et al. **Virology** 1982 May; 119(1):12–21

Electron microscopy of AD5 replicating molecules after in vivo photocrosslinking with trioxsalen. Revet B, et al. **Virology** 1981 Oct 15;114(1):60–70

Replication and plasmid–bacteriophage recombination. I. Marker rescue analysis. Smith RD, et al. **Virology** 1981 Dec;115(2):223–36

Structure of protein-containing replicative intermediates of Bacillus subtilis phage phi 29 DNA. Sogo JM, et al. **Virology** 1982 Jan 15;116(1):1–18

[Enzyme studies on the recognition of the initiation signals in priming replication with single-stranded phage DNA templates (author's transl)] Arai K, et al. **Tanpakushitsu Kakusan Koso** 1982;27(1):39–53 (52 ref.) **(Jpn)**

[R plasmid functions on the initiation of DNA replication and its regulation (author's transl)] Inuzuka M. **Tanpakushitsu Kakusan Koso** 1982;27(1):87–96 (24 ref.) **(Jpn)**

[Mechanism of primer RNA synthesis (author's transl)] Kohara Y, et al. **Tanpakushitsu Kakusan Koso** 1982; 27(1):54–68 (34 ref.) **(Jpn)**

[Replication control of F plasmid (author's transl)] Matsubara K. **Tanpakushitsu Kakusan Koso** 1982;27(1):97–106 (53 ref.) **(Jpn)**

[Role of higher order structure of DNA in initiation process of DNA replication (author's transl)] Ogasawata N, et al. **Tanpakushitsu Kakusan Koso** 1982;27(1):28–38 (34 ref.) **(Jpn)**

[Organization of the initiation region of replication: the

replication origin of the E. coli chromosome (author's transl)] Ogura T, et al. **Tanpakushitsu Kakusan Koso** 1982; 27(1):9–19 (40 ref.) **(Jpn)**

[Control of initiation of DNA replication in Escherichia coli (author's transl)] Sakakibara Y. **Tanpakushitsu Kakusan Koso** 1982;27(1):69–74 (48 ref.) **(Jpn)**

[Structural and functional analysis of the minimum essential region of oriC (author's transl)] Sugimoto K. **Tanpakushitsu Kakusan Koso** 1982;27(1):20–7 (14 ref.) **(Jpn)**

[Initiation control of lambda phage replication (author's transl)] Tsurimoto T, et al. **Tanpakushitsu Kakusan Koso** 1982;27(1):75–86 (48 ref.) **(Jpn)**

[Initiation of DNA replication (author's transl)] Yoshikawa H. **Tanpakushitsu Kakusan Koso** 1982;27(1):2–8 **(Jpn)**

[3H]Thymidine incorporation into DNA fractions with differing frequencies of repetitive nucleotide sequences in the sea urchin strongylocentrotus droebachiensis genome] Andreeva TF, et al. **Biokhimiia** 1982 Mar;47(3):385–9 (Eng. Abstr.) **(Rus)**

[DNA replication in cultured amniotic fluid cells] Iurov IuB, et al. **Biull Eksp Biol Med** 1981 Sep;92(9):349–52 (Eng. Abstr.) **(Rus)**

[Artificial Tn2551 transposon with replicative properties] Khaĭkinson MIa, et al. **Genetika (Moskva)** 1981; 17(10):1762–70 (Eng. Abstr.) **(Rus)**

[Replication characteristics of colicinogenic plasmid ColK in Escherichia coli cells] Zverev VV, et al. **Genetika (Moskva)** 1982;18(1):56–63 (Eng. Abstr.) **(Rus)**

[Palindromic and repetitive sequences in initiation sites of DNA replication in Tetrahymena] Borkhsenius SN, et al. **Mol Biol (Mosk)** 1981 Jul–Aug;15(4):816–23 (Eng. Abstr.) **(Rus)**

[Restriction mapping of T4 bacteriophage late gene region which contains the origins of DNA replication] Krutilina AI, et al. **Mol Biol (Mosk)** 1981 Jul–Aug;15(4):883–93 (Eng. Abstr.) **(Rus)**

[Molecular mechanisms of nucleic acid biosynthesis errors induced by alkylation of the nitrogen bases] Poltev VI, et al. **Mol Biol (Mosk)** 1981 Nov–Dec;15(6):1286–94 (Eng. Abstr.) **(Rus)**

[Incorporation of 5-bromodeoxyuridine-6-3H in salivary gland cells of Drosophila virilis Sturt. during prolonged labeling] Poluéktova EV, et al. **Ontogenez** 1982 Mar–Apr; 13(2):109–14 (Eng. Abstr.) **(Rus)**

DRUG EFFECTS

Calmodulin and cyclic AMP-dependent protein kinases mediate calcium-induced stimulation of DNA synthesis by rat liver cells. Boynton AL, et al. **Adv Cyclic Nucleotide Res** 1981;14:411–9

Replication of Epstein-Barr virus DNA in lymphoblastoid cells treated for extended periods with acyclovir. Colby BM, et al. **Am J Med** 1982 Jul 20;73(1A):77–81

The thymidine incorporation inhibiting screening system (TSS) to test carcinogenic substances (a nuclear DNA synthesis suppressive short term test). Amlacher E, et al. **Arch Geschwulstforsch** 1981;51(7):605–10

Post replication repair in an excision defective strain of Escherichia coli following treatment with cis dichlorodiammineplatinum(II). Alazard RJ, et al. **Biochem Biophys Res Commun** 1982 Jan 29;104(2):693–700

Vanadate, epidermal growth factor and the stimulation of DNA synthesis. Carpenter G. **Biochem Biophys Res Commun** 1981 Oct 30;102(4):1115–21

Stimulation of plasminogen activator expression and induction of DNA synthesis by microtubule-disruptive drugs. Chou IN, et al. **Biochem Biophys Res Commun** 1981 Aug 31;101(4):1266–73

DNA synthesis and 3-hydroxy-3-methylglutaryl CoA reductase activity in PHA stimulated human lymphocytes: a comparative study of the inhibitory effects of some oxysterols with special reference to side chain hydroxylated derivatives. Defay R, et al. **Biochem Biophys Res Commun** 1982 May 31;106(2):362–72

Differential effect of neomycin on DNA dependent -DNA and RNA synthesis in vitro. Dube DK, et al. **Biochem Biophys Res Commun** 1981 Sep 16;102(1):378–88

The src gene product (pp60 src) of avian sarcoma virus rapidly induces DNA synthesis and proliferation of calcium-deprived rat cells. Durkin JP, et al. **Biochem Biophys Res Commun** 1981 Nov 16;103(1):233–9

Bleomycin induced inhibition of DNA synthesis in ataxia-telangiectasia cell lines. Edwards MJ, et al. **Biochem Biophys Res Commun** 1981 Sep 30;102(2):610–6

The cytosol polypeptides of Ehrlich ascites tumor cells and their effect on DNA synthesis in Balb c/3t3 cells. Gabryel H, et al. **Biochem Biophys Res Commun** 1981 Jul 16; 101(1):153–7

Enhancement of DNA synthesis and cell proliferation by 1-methylnicotinamide in rat liver cells in culture: implication for its in vivo role. Hoshino J, et al. **Biochem Biophys Res Commun** 1982 Apr 29;105(4):1446–52

Inhibition of replicon initiation by 12-O-tetradecanoylphorbol-13-acetate. Kaufmann WK, et al. **Biochem Biophys Res Commun** 1981 Nov 16;103(1):82–9

Inhibition of DNA synthesis in permeabilized L cells by novobiocin. Nishio A, et al. **Biochem Biophys Res Commun** 1982 Jun 30;106(4):1448–55

Effect of 1,4-dihydroxy-5,8-bis (2-(2-hydroxyethylamino) ethyl amino)-9,10-anthracenedione (dihydroxyanthraquinone) on the replication of simian virus 40 chromosome. Su RT. **Biochem Biophys Res Commun** 1981 Nov 16;103(1):249–55

Heparan sulphate is a potent inhibitor of DNA synthesis in vitro. Winterbourne DJ, et al. **Biochem Biophys Res Commun** 1981 Jul 16;101(1):30–7

A hepatic membrane-associated factor stimulates nuclear DNA synthesis in cultured fibroblastic cells. Bishayee S, et al. **Biochim Biophys Acta** 1982 Feb 26;696(2):134–8

Linkage of the isoprenoid biosynthetic pathway with induction of DNA synthesis in mouse lymphocytes. Effects of compactin on mitogen-induced lymphocytes in serum-free medium. Perkins SL, et al. **Biochim Biophys Acta** 1982 Apr 15;711(1):83–9

The modulating effect of isoproterenol on DNA replication and protein synthesis. Synthesis patterns of the HMG proteins from electrostatically sorted salivary gland nuclei during the in vivo cell cycle. Pipkin JL, et al. **Biochim Biophys Acta** 1981 Oct 27;655(3):4213–1

Inhibition of DNA synthesis and cell death. Radford IR, et al. **Biochim Biophys Acta** 1982 Feb 26;696(2):154–62

Effects of hydroxyurea on DNA synthesis in mouse L-cells. Radford IR, et al. **Biochim Biophys Acta** 1982 Feb 26; 696(2):145–53

The structure of methylated xanthines in relation to their effects on DNA synthesis and cell lethality in nitrogen mustard-treated cells. Murnane JP, et al. **Biophys J** 1981 Sep;35(3):665–76

Inhibition of DNA replication and repair cultured humans cells by anthralin or danthron. Clark JM, et al. **Br J Dermatol** 1981 Aug;105 Suppl 20:49–50

Inhibition by calmodulin antagonists of glioblast DNA synthesis and morphological changes induced by glia maturation factor. Okumura K, et al. **Brain Res** 1982 Apr; 255(4):662–7

Effect of 7-con-O-methylnogarol on DNA synthesis, survival, and cell cycle progression of Chinese hamster ovary cells. Adams EG, et al. **Cancer Res** 1981 Dec;41(12 Pt 1):4981–7

Chemical quantification of unscheduled DNA synthesis in cultured hepatocytes as an assay for the rapid screening of potential chemical carcinogens. Althaus FR, et al. **Cancer Res** 1982 Aug;42(8):3010–5

DNA strand breaks caused by inhibitors of DNA synthesis: 1-beta-D-arabinofuranosylcytosine and aphidicolin. Fram RJ, et al. **Cancer Res** 1982 Oct;42(10):4050–3

Abnormal regulation of DNA replication and increased lethality in ataxia telangiectasia cells exposed to carcinogenic agents. Jaspers NG, et al. **Cancer Res** 1982 Jan;42(1):335–41

Alkylation and de novo synthesis of liver cell DNA from C3H mice during continuous dimethylnitrosamine exposure. Lindamood C 3d, et al. **Cancer Res** 1982 Oct; 42(10):4153–7

DNA damage in liver, kidney, bone marrow, and spleen of rats and mice treated with commercial and purified aniline as determined by alkaline elution assay and sister chromatid exchange induction. Parodi S, et al. **Cancer Res** 1982 Jun; 42(6):2277–83

Inhibition of DNA replication and growth of several human and murine neoplastic cells by aphidicolin without detectable effect upon synthesis of immunoglobulins and HLA antigens. Pedrali-Noy G, et al. **Cancer Res** 1982 Sep; 42(9):3810–3

Rapid assay for evaluating the chemosensitivity of human tumors in soft agar culture. Tanigawa N, et al. **Cancer Res** 1982 Jun;42(6):2159–64

Induction of unscheduled DNA synthesis in primary culture of dog, rat, and mouse urothelial cells by arylamine and nitrofuran derivatives. Wang CY, et al. **Cancer Res** 1982 Oct;42(10):3974–7

Comparison of the actions of 9-beta-D-arabinofuranosyl-2-fluoroadenine and 9-beta-D-arabinofuranosyladenine on target enzymes from mouse tumor cells. White EL, et al. **Cancer Res** 1982 Jun; 42(6):2260–4

Concentration dependent alterations of DNA replication initiation and elongation by benzo[a]pyrene diol epoxide. Bowden GT, et al. **Carcinogenesis** 1982;3(5):473–80

DNA polymerases in replication and repair of DNA during carcinogenesis induced by feeding N-acetylaminofluorene. Craddock VM. **Carcinogenesis** 1981;2(1):61–5

Neoplastic transformation of Syrian hamster embryo cells by bisulfite is accompanied with a decrease in the number of functioning replicons. Doniger J, et al. **Carcinogenesis** 1982;3(1):27–32

Effect of caffeine on cell killing, mutation induction, DNA repair, and DNA synthesis after treatment with ethylnitrosourea. Goth-Goldstein R, et al. **Carcinogenesis** 1981;2(12):1267–71

Melphalan prevents the formation of double-stranded DNA replication intermediates in human malignant melanoma cells. Lönn U, et al. **Carcinogenesis** 1981;2(12):1311–6

Induction of unscheduled DNA synthesis in rat hepatocytes following in vivo treatment with dinitrotoluene. Mirsalis JC, et al. **Carcinogenesis** 1982;3(3):241–5

DNA damage and its repair in human normal or xeroderma pigmentosum fibroblasts treated with 4-nitroquinoline 1-oxide or its 3-methyl derivative. Mirzayans R, et al. **Carcinogenesis** 1981;2(12):1359–62

DNA-damaging activity in vivo and bacterial mutagenicity of sixteen aromatic amines and azo-derivatives, as related quantitatively to their carcinogenicity. Parodi S, et al. **Carcinogenesis** 1981;2(12):1317–26

Effect of copper administration on the incorporation of [3H]-thymidine into the liver DNA of rats stimulated by dimethylnitrosamine and diethylnitrosamine. Sakai K, et al. **Carcinogenesis** 1981;2(12):1261–6

Microtubule stabilization by taxol inhibits initiation of DNA synthesis by thrombin and by epidermal growth factor. Crossin KL, et al. **Cell** 1981 Dec;27(2 Pt 1):341–50

Further purification of an inhibitory factor for DNA synthesis in regenerating rat liver. Cook RT, et al. **Cell Biol Int Rep** 1982 Jan;6(1):49–56

Binding of methylmercury(II) by HeLa S3 suspension-culture cells: intracellular methylmercury levels and their effect on DNA replication and protein synthesis. Gruenwedel DW, et al. **Chem Biol Interact** 1981 Sep; 36(3):259–74

Cellular DNA damage by nitrosocimetidine: a comparison with N-methyl-N'-nitroso-nitrosoguanidine and x-irradiation. Henderson EE, et al. **Chem Biol Interact** 1981 Dec;38(1):87–98

Reassociation of human lymphoblastoid cell DNA repair replicated following methyl methanesulfonate treatment. Meltz ML, et al. **Chem Biol Interact** 1982 Mar 1;39(1):77–88

Effects of alkylating agents on the DNA replication of cultured Yoshida sarcoma cells. van der Steen J, et al. **Chem Biol Interact** 1982 Mar 15;39(2):191–204

The major adducts of cis and trans benzo[a]pyrene diol epoxides cause chain termination during DNA synthesis in vitro. Yamaura I, et al. **Chem Biol Interact** 1981 Oct; 37(1-2):171–80

Correlation between the cell cycle in the neurectoderm and differentiation during the early development of Xenopus laevis. 2 Inhibition of DNA synthesis and mitosis during gastrulation. Maleyvar RP, et al. **Cytobios** 1981; 32(126):97–105

Hormonal control of uterine growth: temporal relationships between estrogen administration and deoxyribonucleic acid synthesis. Mukku VR, et al. **Endocrinology** 1982 Aug; 111(2):480–7

Circadian stage-dependent effects of insulin and glucagon on incorporation of [3H]thymidine into deoxyribonucleic acid in the esophagus, stomach, duodenum, jejunum, ileum, caecum, colon, rectum, and spleen of the adult female mouse. Scheving LA, et al. **Endocrinology** 1982 Jul; 111(1):308–15

LHRH inhibits [3H]thymidine incorporation by pituitary cells cultured in vitro. Stępień H. **Endocrinology** 1981 Nov; 109(5):1784–6

Metal-induced infidelity of DNA synthesis. Zakour RA, et al. **Environ Health Perspect** 1981 Aug;40:197–205

Arrest of chain growth of replicon-sized intermediates by aphidicolin during rat fibroblast cell chromosome replication. Yagura T, et al. **Eur J Biochem** 1982 Mar; 123(1):15–21

Effects on chromosomal proteins in sister chromatid differentiation by incorporation of 5-bromodeoxyuridine into DNA. Buys CH, et al. **Exp Cell Res** 1982 Feb; 137(2):452–5

Ca-calmodulin mediates the DNA-synthetic response of calcium-deprived liver cells to the tumor promoter TPA. Jones A, et al. **Exp Cell Res** 1982 Mar;138(1):87–93

Influence of ataxia telangiectasia gene dosage on bleomycin-induced chromosome breakage and inhibition of replication in human lymphoblastoid cell lines. Kohn PH, et al. **Exp Cell Res** 1982 Feb;137(2):387–95

In vitro effects of glucocorticoid hormones on the synthesis of DNA in cartilage of neonatal mice. Maor G, et al. **FEBS Lett** 1981 Jul 6;129(2):256–60

The effect of benzo[a]pyrene on DNA synthesis and DNA polymerase activity of rat liver mitochondria. Salazar I, et al. **FEBS Lett** 1982 Feb 8;138(1):45–9

Evidence for the resumption of DNA replication prior to histone synthesis in HeLa cells after release from treatment with hydroxyurea. Shephard EA, et al. **FEBS Lett** 1982 Apr 19;140(2):189–92

Inhibition of entry into S phase and DNA synthesis in bone marrow cells of mice by repeated injections of gentamycin. Beneš L, et al. **Folia Biol (Praha)** 1982;28(2):134–7

The effect of aphidicolin on the rate of DNA replication and unscheduled DNA synthesis of Bloom syndrome and normal fibroblasts. Giannelli F, et al. **Hum Genet** 1982; 60(4):357–9

Stimulation of DNA synthesis in primary cultures of adult rat hepatocytes by rat platelet-associated substance(s). Strain AJ, et al. **In Vitro** 1982 Feb;18(2):108–16

Evidence for a fast repair of apurinic sites induced by N-nitroso-dimethylamine in rat liver DNA. Parodi S, et al. **Ital J Biochem** 1981 Sep-Oct;30(5):375–87

Induction of single strand scission in bacteriophage phi X174 replicative form I DNA by mitomycin C. Ueda K, et al. **J Antibiot (Tokyo)** 1981 Mar;34(3):317–22

Effects of azidocytidine on DNA synthesis and deoxynucleotide pools of mouse fibroblast cell lines. Akerblom L, et al. **J Biol Chem** 1982 Jun 25; 257(12):6776–82

Perturbation by clofibrate of mitochondrial levels in animal cells. Implications for a model of mitochondrial genesis. Lipsky NG, et al. **J Biol Chem** 1982 Feb 10;257(3):1473–81

The roles of DNA polymerases alpha, beta, and gamma in DNA repair synthesis induced in hamster and human cells by different DNA damaging agents. Miller MR, et al.

J Biol Chem 1982 Sep 10;257(17):10204–9

Selective antiviral agents. The metabolism of 5–propyl–2'–deoxyuridine and effects on DNA synthesis in herpes simplex virus type 1 infections. Ruth JL, et al. **J Biol Chem** 1982 Sep 10;257(17):10261–6

Protection by superoxide dismutase, catalase, and poly(ADP–ribose) synthetase inhibitors against alloxan– and streptozotocin–induced islet DNA strand breaks and against the inhibition of proinsulin synthesis. Uchigata Y, et al. **J Biol Chem** 1982 Jun 10;257(11):6084–8

Stimulation of thymidine kinase activity by chloramphenicol in Naegleria. Corff S, et al. **J Cell Physiol** 1982 Apr; 111(1):33–41

The effect of added H1 histone and polylysine on DNA synthesis and cell division of cultured mammalian cells. Kundahl E, et al. **J Cell Physiol** 1981 Sep;108(3):291–8

Mechanism of synergistic induction of DNA synthesis by epidermal growth factor and tumor promoters. Matrisian LM, et al. **J Cell Physiol** 1981 Sep;108(3):417–25

Regulation of the prereplicative changes in the synthesis and transport of messenger and ribosomal RNA in regenerating livers of normal and hypocalcemic rats. Walker PR, et al. **J Cell Physiol** 1981 Sep;108(3):427–37

Glutamine and the regulation of DNA replication and cell multiplication in fibroblasts. Zetterberg A, et al. **J Cell Physiol** 1981 Sep;108(3):365–73

DNA replications in Chironomus polytene chromosomes during treatment with ethanol. Lönn U. **J Cell Sci** 1981 Oct;51:273–7

Inhibitory effect of interferon on cellular DNA synthesis: modulation by pure mitogenic factors. Taylor–Papadimitriou J, et al. **J Interferon Res** 1981; 1(3):401–9

Inhibition of DNA replication and repair by anthralin or danthron in cultured human cells. Clark JM, et al. **J Invest Dermatol** 1982 Jul;79(1):18–22

Effects of nicotinamide on NAD and poly(ADP–ribose) metabolism in DNA–damaged human lymphocytes. Sims JL, et al. **J Supramol Struct Cell Biochem** 1981;16(3):281–8

Platinum–complexed antitumor immunoglobulins that specifically inhibit DNA synthesis of mouse tumor cells. Hurwitz E, et al. **JNCI** 1982 Jul;69(1):47–51

Capacities of mouse embryo cells for induction of unscheduled DNA synthesis by 4–nitroquinolone 1–oxide in primary culture systems. Masuda H, et al. **JNCI** 1981 Nov;67(5):1063–70

Carcinogen–induced DNA damage and cellular alterations in F344 rat colon organ cultures. Telang NT, et al. **JNCI** 1982 Jun;68(6):1015–22

Cyclic AMP and cyclic GMP as the respective mediators of the intracycle stimulation of DNA synthesis and mitosis induced by glucagon and insulin in primary neonatal rat hepatocytes. Armato U, et al. **Life Sci** 1981 Dec 28; 29(26):2763–9

Newly synthesised DNA in ageing human cells in culture treated with 4–nitroquinoline–1–oxide. Cooke A, et al. **Mech Ageing Dev** 1982 Jun;19(2):171–80

UKEMS trial compounds: induction of unscheduled DNA synthesis in HeLa S3 cells. Barrett RH. **Mutat Res** 1982 Jan–Feb;100(1–4):207–9

DNA replication and cell–cycle progression of cultured mouse FM3a cells after treatment with 8–methoxypsoralen plus near UV–radiation. Hyodo M, et al. **Mutat Res** 1982 May;94(1):199–211

DNA damage and its repair in cultured human alveolar tumor cells treated with benzyl chloride, 4–chloromethylbiphenyl or 4–hydroxymethylbiphenyl. Mirzayans R, et al. **Mutat Res** 1982 Jan–Feb;100(1–4):203–6

Inhibition of DNA synthesis in relation to enhanced survival of UV–damaged herpes virus in monkey cells treated by a variety of 2–nitronaphthofurans. Nocentini S, et al. **Mutat Res** 1981 Oct;90(2):125–35

An investigation of DNA–repair phenomena induced by 4–chloromethylbiphenyl (4CMB). Pearson CM, et al. **Mutat Res** 1982 Jan–Feb;100(1–4):211–4

Effects of benzo[a]pyrene diol epoxide adducts on DNA synthesis in mammalian cells. Rinaldy A, et al. **Mutat Res** 1982 Jun;94(2):383–91

The induction of DNA damage and its repair in yeast after exposure to 4CMB, BC and 4HMB. Tippins RS. **Mutat Res** 1982 Jan–Feb;100(1–4):119–22

Effects of aphidicolin on repair replication and induced chromosomal aberrations in mammalian cells. van Zeeland AA, et al. **Mutat Res** 1982 Feb 22;92(1–2):379–92

N–2–fluorenylacetamide–induced conformational and functional damage to DNA. Grunberger D. **Natl Cancer Inst Monogr** 1981 Dec;(58):193–9

Repair of DNA damage induced in human fibroblasts by N–substituted aryl compounds. Maher VM, et al. **Natl Cancer Inst Monogr** 1981 Dec;(58):217–22

Mammalian culture systems for the study of genetic effects of N–substituted aryl compounds. Williams GM. **Natl Cancer Inst Monogr** 1981 Dec;(58):237–42

Rifampicin–resistant initiation of DNA synthesis on the isolated strands of ColE plasmid DNA. Böldicke TW, et al. **Nucleic Acids Res** 1981 Oct 24;9(20):5215–31

Aphidicolin inhibits DNA synthesis by DNA polymerase alpha and isolated nuclei by a similar mechanism. Krokan H, et al. **Nucleic Acids Res** 1981 Sep 25;9(18):4709–19

Characterization of the effect of aphidicolin on adenovirus DNA replication: evidence in support of a protein primer model of initiation. Pincus S, et al. **Nucleic Acids Res** 1981 Oct 10;9(19):4919–38

Direction of bacteriophage lambda DNA replication in a thymine requiring Escherichia coli K–12 strain. Effect of thymidine concentration. Valenzuela MS, et al. **Nucleic Acids Res** 1981 Dec 21;9(24):6975–84

Nucleotide requirements for DNA replication of SV40 chromatin in digitonin–treated and saponin–treated permeable cells. Oda T, et al. **Nucleic Acids Symp Ser** 1981; (10):159–62

DNA and protein synthesis in normal and transformed lymphocytes exposed to abrin. Bennett CE, et al. **Pharmacol Biochem Behav** 1982 Jan;16(1):185–8

4,4'–Dimethylangelicin, a monofunctional furocoumarin showing high photosensitizing activity. Baccichetti F, et al. **Photochem Photobiol** 1981 Nov;34(5):649–51

Haematoporphyrin–treated murine lymphocytes: in vitro inhibition of DNA synthesis and light–mediated inactivation of cells responsible for GVHR. Canti G, et al. **Photochem Photobiol** 1981 Nov;34(5):589–94

Recovery from damage induced by acridine plus near–ultraviolet light in Escherichia coli. Wagner S, et al. **Photochem Photobiol** 1982 Jan;35(1):73–81

Effect of realimentation and triiodothyronine on DNA synthesis in intact and partially resected rat liver. Simek J, et al. **Physiol Bohemoslov** 1981;30(6):543–8

Probable involvement of a glycoconjugate in IMR–32 DNA synthesis: decrease of DNA polymerase alpha 2 activity after tunicamycin treatment. Bhattacharya P, et al. **Proc Natl Acad Sci USA** 1982 Mar;79(5):1488–91

Deoxynucleoside [1–thio]triphosphates prevent proofreading during in vitro DNA synthesis. Kunkel TA, et al. **Proc Natl Acad Sci USA** 1981 Nov;78(11):6734–8

5–Azacytidine induction of mouse endogenous type C virus and suppression of DNA methylation. Niwa O, et al. **Proc Natl Acad Sci USA** 1981 Oct;78(10):6290–4

Induction of an intracellular mitogenic messenger by epidermal growth factor. Das M. **Prog Clin Biol Res** 1981; 66 Pt B:359–68

Control of replication by dietary lipids and namely by linoleic acid in liver and adipose tissue of developing rats. Launay M, et al. **Prog Lipid Res** 1981;20:331–8

Modulation of in vitro transformation and the early and late modes of DNA replication of uv–irradiated Syrian hamster cells by caffeine. Doniger J, et al. **Radiat Res** 1981 Sep; 87(3):565–75

Application of the BrdU/thymidine method to flow cytogenetics: differential quenching/enhancement of Hoechst 33258 fluorescence of late–replicating chromosomes. Cremer C, et al. **Somatic Cell Genet** 1982 May;8(3):319–27

Effects of 12–O–tetradecanoyl–phorbol–13–acetate on cell proliferation and Epstein–Barr virus DNA replication. Lin JC, et al. **Virology** 1982 Feb;117(1):186–94

Effect of interferon on the exogenous Friend murine leukemia virus infection. Riggin CH, et al. **Virology** 1982 Apr 15; 118(1):202–13

[Ratio of the mutation spectrum to the physiological state of the Penicillium chrysogenum cell. Auxotrophic mutations induced by N–nitroso–N–methylbiuret in exposure at different stages of DNA replication] Zakharova GM, et al. **Antibiotiki** 1981 Aug;26(8):600–6 (Eng. Abstr.) **(Rus)**

[Exogenous DNAse initiation of DNA replication in Bacillus subtilis] Kupriianova FG, et al. **Mikrobiologiia** 1981 May–Jun;50(3):437–41 **(Rus)**

RADIATION EFFECTS

Effects of inhibitors of DNA synthesis and protein synthesis on the rate of DNA synthesis after exposure of mammalian cells to ultraviolet light. Griffiths TD, et al. **Biochim Biophys Acta** 1981 Nov 27;656(1):55–61

Correlation among the rates of dimer excision, DNA repair replication, and recovery of human cells from potentially lethal damage induced by ultraviolet radiation. Konze–Thomas B, et al. **Biophys J** 1979 Nov;28(2):315–25

Application of arabinofuranosyl cytosine in the kinetic analysis and quantitation of DNA repair in human cells after ultraviolet irradiation. Snyder RD, et al. **Biophys J** 1981 Aug;35(2):339–50

DNA replication of X–irradiated human lymphocytes. Agarwal SS, et al. **Cancer Res** 1981 Oct;41(10):3973–8

Repair and replication of DNA in hereditary (bilateral) retinoblastoma cells after X–irradiation. Cleaver JE, et al. **Cancer Res** 1982 Apr;42(4):1343–7

DNA polymerase, DNA ligase, and thymidine kinase activity in chicken lens, related to DNA X–ray lesion repair. Counis MF, et al. **Differentiation** 1981;20(3):188–95

Interaction of human and chick DNA repair functions in UV–irradiated xeroderma pigmentosum–chick erythrocyte heterokaryons. Bootsma D, et al. **Exp Cell Res** 1982 Jan; 137(1):181–9

Mechanisms of inhibition of DNA replication by ultraviolet light in normal human and xeroderma pigmentosum fibroblasts. Kaufmann WK, et al. **J Mol Biol** 1981 Jun 25; 149(2):171–87

Characterization of postreplication repair in Saccharomyces cerevisiae and effects of rad6, rad18, rev3 and rad52 mutations. Prakash L. **MGG** 1981;184(3):471–8

Induction and repair of psoralen cross–links in DNA of normal human and xeroderma pigmentosum fibroblasts. Bredberg A, et al. **Mutat Res** 1982 Mar;93(1):221–34

Effect of the uvrD3 mutation on ultraviolet radiation–induced DNA–repair replication in Escherichia coli K12. Carlson KM, et al. **Mutat Res** 1981 Dec; 84(2):257–62

Modulation of survival and transformation during plateau–phase holding of UV–irradiated mouse cells. Chan GL, et al. **Mutat Res** 1982 Apr;104(1–3):183–6

Recovery from post–irradiation inhibition of DNA synthesis in an ultraviolet–sensitive mutant mouse cell. Hama–Inaba H, et al. **Mutat Res** 1982 May–Jun;104(4–5):305–9

Abnormal levels of UV–induced unscheduled DNA synthesis in ataxia telangiectasia cells after exposure to ionizing radiation. Jaspers NG, et al. **Mutat Res** 1982 Feb 22; 92(1–2):439–46

Extent of excision repair before DNA synthesis determines the mutagenic but not the lethal effect of UV radiation. Konze–Thomas B, et al. **Mutat Res** 1982 Jun;94(2):421–34

The effect of mutations in the uvrD cistron of Escherichia coli on repair resynthesis. Kuemmerle NB, et al. **Mutat Res** 1982 Jun;94(2):285–97

Radioresistant DNA synthesis: an intrinsic feature of ataxia telangiectasia. Painter RB. **Mutat Res** 1981 Nov; 84(1):183–90

A deficiency in the repair of UV and gamma–ray damaged DNA in fibroblasts from Cockayne's syndrome. Rainbow AJ, et al. **Mutat Res** 1982 Mar;93(1):235–47

Inhibitors of repair DNA synthesis. Collins AR, et al. **Nucleic Acids Res** 1982 Feb 25;10(4):1203–13

Effect of UV–irradiation on DNA replication of the parvovirus minute–virus–of–mice in mouse fibroblasts. Rommelaere J, et al. **Nucleic Acids Res** 1982 Apr 24; 10(8):2577–96

Repair of ultraviolet–damaged transforming DNA in a mismatch repair–deficient strain of Haemophilus influenzae. Bagci H, et al. **Photochem Photobiol** 1982 Mar;35(3):331–5

Laser–UV–microirradiation of Chinese hamster cells: the influence of the distribution of photolesions on unscheduled DNA synthesis. Cremer C, et al. **Photochem Photobiol** 1981 Jun;33(6):925–8

Differing levels of excision repair in human fetal dermis and brain cells. Gibson RE, et al. **Photochem Photobiol** 1982 Feb;35(2):181–5

Inactivation of nucleotide excision repair in Chinese hamster ovary cells by exposure to an alkylating agent. Park SD, et al. **Photochem Photobiol** 1982 Mar;35(3):419–21

DNA synthesis on phi X174 template damaged by proflavine and light treatment. Piette J, et al. **Photochem Photobiol** 1982 May;35(5):705–8

Recovery from damage induced by acridine plus near–ultraviolet light in Escherichia coli. Wagner S, et al. **Photochem Photobiol** 1982 Jan;35(1):73–81

Inducible error–prone repair and induction of prophage lambda in Escherichia coli. Devoret R. **Prog Nucleic Acid Res Mol Biol** 1981;26:251–63

Comparative induction studies. Pollard EC, et al. **Prog Nucleic Acid Res Mol Biol** 1981;26:315–22

Multiprotein interactions in strand cleavage of DNA damaged by UV and chemicals. Seeberg E. **Prog Nucleic Acid Res Mol Biol** 1981;26:217–26

Radiation–induced thymine base damage in replicating chromatin. Warters RL, et al. **Radiat Res** 1982 Jun; 90(3):564–74

Effects of radiation on the survival of excision–defective cells from Drosophila melanogaster. Brown TC, et al. **Somatic Cell Genet** 1981 Nov;7(6):631–44

[Ratio of the mutation spectrum to the physiological state of the Penicillium chrysogenum cell. Auxotrophic mutations induced by UV rays at different stages of DNA replication] Zakharova GM, et al. **Antibiotiki** 1981 Sep; 26(9):672–5 (Eng. Abstr.) **(Rus)**

DNA RESTRICTION ENZYMES

Methylation of nuclear DNA in Physarum polycephalum. Whittaker PA, et al. **Biochem J** 1980 Dec 1;191(3):859–62

Restriction endonuclease analysis of mitochondrial DNA from virus–transformed, tumor and control cells of human, hamster and avian origin. Sequence conservation and intraspecific variation. Nass MM. **Biochim Biophys Acta** 1981 Sep 28;655(2):210–20

Electric properties and structure of DNA–restriction fragments from measurements of the electric dichroism. Diekmann S, et al. **Biophys Chem** 1982 May;15(2):157–67

Nuclease–sensitive regions on the extrachromosomal r–chromatin from Tetrahymena pyriformis. Borchsenius S, et al. **Eur J Biochem** 1981 Jul;117(2):245–50

Relaxed specificity of endonuclease BamH1 as determined by identification or recognition sites in SV 40 and pBR 322 DNAs. Kolesnikov VA, et al. **FEBS Lett** 1981 Sep 14;132(1):101–4

Restriction endonuclease BamH1 interaction with a synthetic duplex containing half–size recognition sequences. Zinoviev VV, et al. **FEBS Lett** 1981 Sep 14;132(1):98–100

The cloned EcoRI fragments of Autographa californica nuclear polyhedrosis virus DNA. Lübbert H, et al. **Gene** 1981 Dec;16(1–3):343–5

Restriction endonuclease analysis of varicella–zoster vaccine virus and wild–type DNAs. Martin JH, et al. **J Med Virol** 1982;9(1):69–76

HinfI is an isoschizomer of HinfIII restriction endonuclease. Piekarowicz A. **J Mol Biol** 1982 May 15;157(2):373–81

Detection of methylated sequences in eukaryotic DNA with the restriction endonucleases Smai and Xmai. Youssoufian

H, et al. **J Mol Biol** 1981 Jul 25;150(1):133–6

Biases of the estimates of DNA divergence obtained by the restriction enzyme technique. Tajima F, et al. **J Mol Evol** 1982;18(2):115–20

Restriction enzymes, interferon, and the therapy for advanced cancer [editorial] Grouse LD. **JAMA** 1982 Mar 26;247(12):1742

Influence of phage T3 and T7 gene functions on a type III(EcoP1) DNA restriction–modification system in vivo. Krüger DH, et al. **MGG** 1982;185(3):457–61

Genomic representation of the Hind II 1.9 kb repeated DNA. Manuelidis L, et al. **Nucleic Acids Res** 1982 May 25; 10(10):3221–39

Nucleotide sequence definition of a major human repeated DNA, the Hind III 1.9 kb family. Manuelidis L. **Nucleic Acids Res** 1982 May 25;10(10):3211–9

Identification of gene products programmed by restriction endonuclease DNA fragments using an E. coli in vitro system. Pratt JM, et al. **Nucleic Acids Res** 1981 Sep 25; 9(18):4459–74

Estimating genetic divergence and genetic variability with restriction endonucleases. Engels WR. **Proc Natl Acad Sci USA** 1981 Oct;78(10):6329–33

ANALYSIS

Prenatal prediction of alpha–thalassemia phenotype by endonuclease mapping of parental DNA. Steinbrecher UP, et al. **Can Med Assoc J** 1982 Jan 15;126(2):156–7

The essential carboxyl group in restriction endonuclease EcoRI. Woodhead JL, et al. **Eur J Biochem** 1981 Nov; 120(1):125–8

ANTAGONISTS & INHIBITORS

The effect of spermidine on endonuclease inhibition by agarose contaminants. Bouché JP. **Anal Biochem** 1981 Jul 15;115(1):42–5

Effect of sulfhydryl group inhibitors on restriction endonuclease activities. Nath K. **Arch Biochem Biophys** 1981 Dec;212(2):611–7

Inhibition of the BamHI cleavage and unwinding of pBR322 deoxyribonucleic acid by the antitumor drug cis–dichlorodiammineplatinum(II). Ushay HM, et al. **Biochemistry** 1981 Jun 23;20(13):3744–8

Physical mapping and cloning of bacteriophage T4 anti–restriction endonuclease gene. Dharmalingam K, et al. **J Bacteriol** 1982 Feb;149(2):694–9

Anthramycin inhibition of restriction endonuclease cleavage and its use as a reversible blocking agent in DNA constructions. Sumner W 2d, et al. **Nucleic Acids Res** 1981 May 11;9(9):2105–19

DIAGNOSTIC USE

The use of restriction endonucleases in the prenatal diagnosis of hemoglobinopathies. Gutmann DH. **Am J Med Technol** 1982 May;48(5):361–6

A new polymorphism in the human beta–globin gene useful in antenatal diagnosis. Driscoll MC, et al. **J Clin Invest** 1981 Oct;68(4):915–9

Genetic diseases: diagnosis by restriction endonuclease analysis. Antonarakis SE, et al. **J Pediatr** 1982 Jun; 100(6):845–56 (76 ref.)

A sensitive new prenatal test for sickle–cell anemia. Chang JC, et al. **N Engl J Med** 1982 Jul 1;307(1):30–2

Looking at genes [editorial] Kronenberg HM. **N Engl J Med** 1982 Jul 1;307(1):50–2

Improved detection of the sickle mutation by dna analysis: application to prenatal diagnosis. Orkin SH, et al. **N Engl J Med** 1982 Jul 1;307(1):32–6

Estimation of phylogenetic relationships from DNA restriction patterns and selection of endonuclease cleavage sites. Adams J, et al. **Proc Natl Acad Sci USA** 1982 Jun; 79(11):3560–4

Use of restriction endonucleases for mapping the allele for beta s–globin. Wilson JT, et al. **Proc Natl Acad Sci USA** 1982 Jun;79(11):3628–31

GENETICS

Restriction of PM2 supercoiled DNA by Hap II endonuclease. Naimski P, et al. **Acta Biochim Pol** 1981; 28(1):41–50

Assignment of first random restriction fragment length polymorphism (RFLP) locus ((D14S1) to a region of human chromosome 14. de Martinville B, et al. **Am J Hum Genet** 1982 Mar;34(2):216–26

The nucleotide sequence of IS5 from Escherichia coli. Schoner B, et al. **Gene** 1981 Aug;14(3):165–74

1980 Beaumont Lecture. Restriction enzymes as tools for genetic research. Smith HO. **Henry Ford Hosp Med J** 1980; 28(1):5–14

Bactericidal effect of 5–azacytidine on Escherichia coli carrying EcoRII restriction–modification enzymes. Friedman S. **J Bacteriol** 1982 Jul;151(1):262–8

A new polymorphism in the human beta–globin gene useful in antenatal diagnosis. Driscoll MC, et al. **J Clin Invest** 1981 Oct;68(4):915–9

Chromosomal loci of genes controlling site–specific restriction endonucleases of Bacillus subtilis. Ikawa S, et al. **MGG** 1981;183(1):1–6

[Cloning and restriction analysis of the hepatitis B virus genome] Drynov ID, et al. **Dokl Akad Nauk SSSR** 1982; 262(1):229–32 (Rus)

[Cloning and restriction analysis of the DNA BamHI–EcoRI fragment containing genes of the hsd–region in Escherichia coli] Zinkevich VE, et al. **Dokl Akad Nauk SSSR** 1981; 259(1):216–8 (Rus)

[In vivo restriction of Escherichia coli–transforming DNA by endonuclease R.M.EcoRI] Aleshkin GI, et al. **Genetika (Moskva)** 1981;17(7):1205–10 (Eng. Abstr.) (Rus)

[Restrictase BamHI, HindII, EcoRI and SmaI mapping of hybrid lambda–phi 80 phages with recombination in the structural gene region] Boitsov AS, et al. **Genetika (Moskva)** 1981;17(11):1895–903 (Eng. Abstr.) (Rus)

[Genetic and biochemical aspects of recombination in Escherichia coli K–12: recombination enzymes] Lantsov VA. **Genetika (Moskva)** 1981;17(7):1188–204 (67 ref.) (Rus)

ISOLATION & PURIFICATION

The SalGI restriction endonuclease. Purification and properties. Maxwell A, et al. **Biochem J** 1982 Apr 1; 203(1):77–84

Purification of the sequence–specific endonuclease SinI from Salmonella infantis. Lupker HS, et al. **Biochim Biophys Acta** 1981 Jul 27;654(2):297–9

Purification and properties of the restriction endonuclease BglII from Bacillus globigii. Imber R, et al. **Eur J Biochem** 1981 Jul;117(2):395–9

Isolation and some properties of the restriction endonuclease BcnI from Bacillus centrosporus. Petrušytė M, et al. **Eur J Biochem** 1982 Jan;121(2):377–81

Bvui: a site–specific endonuclease from Bacillus vulgatis. Beaty JS, et al. **Gene** 1982 Apr;18(1):61–7

Isolation of two restriction endonucleases from Chloroflexus aurantiacus (CauI, CauII). Bingham AH, et al. **Gene** 1982 Apr;18(1):87–91

A new site–specific endonuclease Bbei from Bifidobacterium breve. Khosaka T, et al. **Gene** 1982 Feb;17(2):117–22

New restriction endonucleases from Flavobacterium okeanokoites (FokI) and Micrococcus luteus (MluI). Sugisaki H, et al. **Gene** 1981 Dec;16(1–3):73–8

Partial purification and cleavage specificity of a site–specific endonuclease, SciNI, isolated from Spiroplasma citri. Stephens MA. **J Bacteriol** 1982 Feb;149(2):508–14

Restriction endonuclease EcaI from Enterobacter cloacae. Hobom G, et al. **Nucleic Acids Res** 1981 Oct 10; 9(19):4823–32

ClaI. a new restriction endonuclease from Caryophanon latum L. Mayer H, et al. **Nucleic Acids Res** 1981 Oct 10; 9(19):4833–45

[A simplified method for preparation of restriction endonuclease BamHI (author's transl)] Huang XT, et al. **Chung Kuo I Hsueh Ko Hsueh Yuan Hsueh Pao** 1982; 4(1):60–2 (Eng. Abstr.) (Chi)

[Isolation, purification and properties of restriction endonuclease EcoRII] Kosykh VG, et al. **Biokhimiia** 1982 Apr;47(4):619–25 (Eng. Abstr.) (Rus)

[Use of affinity chromatography for the purification of specific endonuclease Eco RI and Bg1 II] Miroshnichenko OI, et al. **Biokhimiia** 1982 Apr;47(4):686–94 (Eng. Abstr.) (Rus)

[Isolation and purification of restriction endonuclease BpeI from Bordetella pertussis] Kazennova EV, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1982 Jun;(6):56–7 (Eng. Abstr.) (Rus)

METABOLISM

Restriction and modification of DNA by a complex protein. Yuan R, et al. **Am Sci** 1982 Jan–Feb;70(1):61–9

A spectrophotometric procedure for the determination of activity of restriction endonucleases. Janulaitis AA, et al. **Anal Biochem** 1981 Sep 1;116(1):116–22

The EcoRI restriction endonuclease, covalently closed DNA and ethidium bromide. Halford SE, et al. **Biochem J** 1981 Dec 1;199(3):767–77

The SalGI restriction endonuclease. Mechanism of DNA cleavage. Maxwell A, et al. **Biochem J** 1982 Apr 1; 203(1):85–92

The SalGI restriction endonuclease. Enzyme specificity. Maxwell A, et al. **Biochem J** 1982 Apr 1;203(1):93–8

Ribosomal ribonucleic acid repeat unit of Acanthamoeba castellanii: cloning and restriction endonuclease map. D'Alessio JM, et al. **Biochemistry** 1981 Jun 23; 20(13):3822–7

Restriction enzyme cleavage of ultraviolet–damaged DNA. Cleaver JE, et al. **Biochim Biophys Acta** 1982 May 31; 697(2):255–8

Differential reactivities at restriction enzyme sites. Malcolm AD, et al. **Biochim Biophys Acta** 1981 Sep 28;655(2):128–35

Pisum sativum endonuclease. Studies on substrate specificity and possible use as a biochemical tool. Wani AA, et al. **Biochim Biophys Acta** 1981 Oct 27;655(3):396–406

A sequence specific endonuclease from Micrococcus radiodurans. Wani AA, et al. **Biochim Biophys Acta** 1982 May 31;697(2):178–84

Studies on deoxynucleic acids and related compounds. VI. Synthesis of oligodeoxyribonucleotides containing recognition sequences for restriction endonucleases. Ohtsuka E, et al. **Chem Pharm Bull (Tokyo)** 1982 Apr; 30(4):1307–14

Studies on deoxynucleic acids and related compounds. IV. Syntheses of an octanucleotide containing a recognition site for restriction enzyme Eco RI and of an arabinosyladenine analog. Ohtsuka E, et al. **Chem Pharm Bull (Tokyo)** 1982 Mar;30(3):874–80

Two identical subunits of the EcoRI restriction endonuclease Co–operate in the binding and cleavage of the palindromic substrate. Alves J, et al. **Eur J Biochem** 1982 May; 124(1):139–42

Restriction enzyme studies on human highly repeated DNAs. Corneo G, et al. **Experientia** 1982 Apr 15;38(4):454–7

A new sequence–specific endonuclease from Streptococcus durans. Janulaitis A, et al. **FEBS Lett** 1981 Nov 16; 134(2):172–4

A new restriction endonuclease BcnI from Bacillus centrosporus RFL 1. Janulaitis AA, et al. **FEBS Lett** 1982 Jan 25;137(2):178–80

Conditions affecting DNA cleavage by TthI at a TthI endonuclease–dam methylase overlapping sequence. Venegas A, et al. **FEBS Lett** 1981 Aug 3;130(2):272–4

Restriction mapping of the DNA of the Streptomyces temperate phage phi C31 and its derivatives. Chater KF, et al. **Gene** 1981 Aug;14(3):183–94

Mapping of the XhoI and SacI restriction sites on the bacteriophage T5 DNA. Davison J. **Gene** 1981 Dec; 16(1–3):97–8

The sequence specificity of endonucleases CauI and CauII isolated from chloroflexus aurantiacus. Molemans F, et al. **Gene** 1982 Apr;18(1):93–6

Modification of Eco RI restriction sites by Caulobacter vibrioides. Scholl DR, et al. **Gene** 1982 Feb;17(2):163–6

The presence of zinc in the restriction enzyme Eco RI. Barton JK, et al. **J Biol Chem** 1982 Jul 25;257(14):7911–4

Targeted point mutation that creates a unique Eco RI site within the signal codons of the beta–lactamase gene without altering enzyme secretion or processing. Charles AD, et al. **J Biol Chem** 1982 Jul 25;257(14):7930–2

DNA determinants important in sequence recognition by Eco RI endonuclease. Lu AL, et al. **J Biol Chem** 1981 Dec 25;256(24):13200–6

Effect of deoxynucleoside phosphorothioates incorporated in DNA on cleavage by restriction enzymes. Vosberg HP, et al. **J Biol Chem** 1982 Jun 10;257(11):6595–9

Steps in the reaction mechanism of the Haemophilus influenzae Rf restriction endonuclease. Brzeziński R, et al. **J Mol Biol** 1982 Feb 5;154(4):615–27

Complexes formed between the restriction endonuclease EcoK and heteroduplex DNA. Burckhardt J, et al. **J Mol Biol** 1981 Dec 5;153(2):425–40

Restriction and modification in Bacillus subtilis: effects on transfection under marker rescue conditions. Bron S, et al. **J Virol** 1982 May;42(2):357–64

Restriction enzyme analysis of herpesvirus–2 DNA [letter] Smith IW, et al. **Lancet** 1981 Dec 19–26;2(8260–61):1424

Restriction of streptomyces phage SH5 by endonuclease ShyI from Streptomyces hygroscopicus 0477. Klaus S, et al. **MGG** 1981;184(2):286–8

Grouping of adenoviruses and identification of restriction endonuclease cleavage patterns of adenovirus DNAs using infected cell DNA: simple and practical methods. Suzuki N, et al. **Microbiol Immunol** 1981;25(12):1291–301

Preferential site–dependent cleavage by restriction endonuclease PstI. Armstrong K, et al. **Nucleic Acids Res** 1982 Feb 11;10(3):993–1007

Modification profiles of bacterial genomes. Brooks JE, et al. **Nucleic Acids Res** 1982 Feb 11;10(3):913–34

A generalized method of subcloning DNA fragments by restriction site reconstruction: application to sequencing the amino–terminal coding region of the transforming gene of Gazdar murine sarcoma virus. Donoghue DJ, et al. **Nucleic Acids Res** 1982 Apr 24;10(8):2549–64

Two new restriction endonucleases from Proteus vulgaris. Gingeras TR, et al. **Nucleic Acids Res** 1981 Sep 25; 9(18):4525–36

The effect of several nucleic acid binding drugs on the cleavage of d(GGAATTCC) and pBR 322 by the Eco RI restriction endonuclease. Goppelt M, et al. **Nucleic Acids Res** 1981 Nov 25;9(22):6115–27

Reaction kinetics of some important site–specific endonucleases. Hinsch B, et al. **Nucleic Acids Res** 1981 Jul 10;9(13):3159–74

Primary and secondary structure specificity of the cleavage of 'single–stranded' DNA by endonuclease Hinf I. Hofer B, et al. **Nucleic Acids Res** 1982 May 11;10(9):2763–73

Digestion of highly modified bacteriophage DNA by restriction endonucleases. Huang LH, et al. **Nucleic Acids Res** 1982 Mar 11;10(5):1579–91

Transient cleavage kinetics of the Eco RI restriction endonuclease measured in a pulsed quench–flow apparatus: enzyme concentration–dependent activity change. Langowski J, et al. **Nucleic Acids Res** 1981 Jul 24; 9(14):3483–90

A simple computer program for calculating, modifying and drawing circular restriction maps. Lilley DM. **Nucleic Acids Res** 1982 Jan 11;10(1):19–26

The effect of sequence specific DNA methylation on restriction endonuclease cleavage. McClelland M. **Nucleic Acids Res** 1981 Nov 25;9(22):5859–66

Creation of a data base for sequences of ribosomal nucleic acids and detection of conserved restriction endonucleases sites through computerized processing. Patarca R, et al. **Nucleic Acids Res** 1982 Jan 11;10(1):175–82

Automatic construction of restriction site maps. Pearson WR. **Nucleic Acids Res** 1982 Jan 11;10(1):217–27

Restriction and modification enzymes and their recognition sequences. Roberts RJ. **Nucleic Acids Res** 1982 Mar 11; 10(5):r117–44

KpnI families of long, interspersed repetitive DNAs in human and other primate genomes. Shafit–Zagardo B, et al. **Nucleic Acids Res** 1982 May 25;10(10):3175–93

RSITE: a computer program to predict the recognition sequence of a restriction enzyme. Tolstoshev CM, et al. **Nucleic Acids Res** 1982 Jan 11;10(1):1–17

A common mutant EcoRI restriction endonuclease site in the 5' flanking portion of the human alpha–globin gene. Beutler E, et al. **Proc Natl Acad Sci USA** 1981 Nov; 78(11):7056–8

Sequence–specific endonuclease BamHI: relaxation of sequence recognition. George J, et al. **Proc Natl Acad Sci USA** 1982 Apr;79(8):2432–6

Involvement of outside DNA sequences in the major kinetic path by which EcoRI endonuclease locates and leaves its recognition sequence. Jack WE, et al. **Proc Natl Acad Sci USA** 1982 Jul;79(13):4010–4

[Protection of segments of replicative form I of phiX174 phage DNA recognized by HindII, BspRI, and AluI restrictases by Escherichia coli RNA–polymerase] Shemiakin MF, et al. **Mol Biol (Mosk)** 1981 Sep–Oct; 15(5):1144–57 (Eng. Abstr.) **(Rus)**

PHARMACODYNAMICS

[Restriction endonuclease study of interstrain differences in the DNA of herpes simplex virus type 1] Senkevich TG, et al. **Vopr Virusol** 1981 Nov–Dec;(6):753–7 (Eng. Abstr.) **(Rus)**

DNA, SATELLITE

5–Methylcytosine in the highly repetitive DNA's of the guinea pig (Cavia porcellus). Spencer JH, et al. **Adv Enzyme Regul** 1980;19:453–66

The distribution of 5–methylcytosine in guinea pig satellite DNA's as probed by the restriction enzymes Msp I and Hpa II. Spencer JH, et al. **Adv Enzyme Regul** 1980; 19:466–70

Divergence, differential methylation and interspersion of melon satellite DNA sequences. Shmookler Reis R, et al. **Biochem J** 1981 Jun 1;195(3):723–34

Interspersion of mouse satellite deoxyribonucleic acid sequences. Stambrook PJ. **Biochemistry** 1981 Jul 21; 20(15):4393–8

Restriction enzyme studies on human highly repeated DNAs. Corneo G, et al. **Experientia** 1982 Apr 15;38(4):454–7

BUdR–giemsa labeling and satellite association in human leukocytes. Beek B. **Hum Genet** 1981;59(3):240–4

NOR lateral asymmetry and its effect on satellite association in BrdU–labeled human lymphocyte cultures. Strobel RJ, et al. **Hum Genet** 1981;59(3):259–62

Correlations between relatives for acrocentric association frequency. Yip MY, et al. **Hum Genet** 1981;59(3):245–9

Organization of African green monkey DNA at junctions between alpha–satellite and other DNA sequences. McCutchan T, et al. **J Mol Biol** 1982 May 15; 157(2):195–211

Simple repeated sequences in human satellite DNA. Frommer M, et al. **Nucleic Acids Res** 1982 Jan 22;10(2):547–63

Tissue specificity and organisation of CpG methylation in calf satellite DNA I. Pages M, et al. **Nucleic Acids Res** 1982 Jan 22;10(2):565–76

Sequence analysis of bovine satellite I DNA (1.715 gm/cm3). Taparowsky EJ, et al. **Nucleic Acids Res** 1982 Feb 25; 10(4):1271–81

A family of sequences with regional homology to bovine 1.715 satellite DNA. Skowronski J, et al. **Z Naturforsch [C]** 1981 Nov–Dec;36(11–12):973–9

ANALYSIS

Sensitive detection of tritium in Southern blot and plaque hybridizations. Bartnik E, et al. **Anal Biochem** 1981 Sep 15;116(2):237–40

Buoyant density and hybridization analysis of human DNA sequences, including three satellite DNAs. Prosser J, et al. **Biochim Biophys Acta** 1981 Nov 27;656(1):93–102

Non–random position of the A–T rich DNA sequences in early embryos of Drosophila virilis. Ellison JR, et al. **Chromosoma** 1981;83(4):555–61

Restriction enzyme analysis of a highly diverged satellite DNA from Drosophila nasutoides. Lee CS. **Chromosoma** 1981;83(3):367–79

Consensus sequence of mouse satellite DNA indicates it is derived from tandem 116 basepair repeats. Manuelidis L. **FEBS Lett** 1981 Jun 29;129(1):25–8

The satellite DNAs of Drosophila simulans. Lohe AR. **Genet Res** 1981 Dec;38(3):237–50

[Constitutive heterochromatin (author's transl)] Yamamoto M. **Tanpakushitsu Kakusan Koso** 1981 Apr;26(5):694–712 (115 ref.) **(Jpn)**

BIOSYNTHESIS

Satellite versus total DNA replication in relation to endopolyploidy of decidual cells in the mouse. Lejeune B, et al. **Chromosoma** 1982 Feb;84(4):511–6

GENETICS

Early initiation of bovine satellite I DNA replication. Matsumoto LH, et al. **Exp Cell Res** 1982 Jul;140(1):47–54

13S+. Giant satellites or de novo rearrangement? Imaizumi K, et al. **Hum Genet** 1981;59(3):266–8

Conserved repeated DNA sequences in vertebrate sex chromosomes. Jones KW, et al. **Hum Genet** 1981; 58(1):46–53

A multicopy insertion sequence in the bovine genome with structural homology to the long terminal repeats of retroviruses. Streeck RE. **Nature** 1982 Aug 19; 298(5876):767–9

The primary structure of bovine satellite 1.715. Gaillard C, et al. **Nucleic Acids Res** 1981 Nov 25;9(22):6069–82

Organization of highly repetitive satellite DNA of two Cucurbitaceae species (Cucumis melo and Cucumis sativus). Hemleben V, et al. **Nucleic Acids Res** 1982 Jan 22;10(2):631–44

Satellite DNA relationships in man and the primates. Mitchell AR, et al. **Nucleic Acids Res** 1981 Jul 24;9(14):3235–49

Chromatin diminution in Ascaris suum: nucleotide sequence of the eliminated satellite DNA. Streeck RE, et al. **Nucleic Acids Res** 1982 Jun 11;10(11):3495–502

Base sequence of a cloned snake W–chromosome DNA fragment and identification of a male–specific putative mRNA in the mouse. Epplen JT, et al. **Proc Natl Acad Sci USA** 1982 Jun;79(12):3798–802

A monkey Alu sequence is flanked by 13–base pair direct repeats by an interrupted alpha–satellite DNA sequence. Grimaldi G, et al. **Proc Natl Acad Sci USA** 1982 Mar; 79(5):1497–500

[Sequence analyses of highly repeated DNA in eukaryote genomes (author's transl)] Yamamoro M. **Tanpakushitsu Kakusan Koso** 1981 Apr;26(5):726–41 (61 ref.) **(Jpn)**

ISOLATION & PURIFICATION

Transferring DNA from electrophoretically resolved nucleosomes to diazobenzyloxymethyl cellulose: properties of nucleosomes along mouse satellite DNA. Reudelhuber TL, et al. **Nucleic Acids Res** 1982 Feb 25;10(4):1311–25

Analysis of highly purified satellite DNA containing chromatin from the mouse. Zhang XY, et al. **Nucleic Acids Res** 1982 Mar 11;10(5):1481–94

METABOLISM

Selective arrangement of ubiquitinated and D1 protein–containing nucleosomes within the Drosophila genome. Levinger L, et al. **Cell** 1982 Feb;28(2):375–85

Satellite DNA and cytological staining patterns in heterochromatic inversions of human chromosome 9. Gosden JR, et al. **Hum Genet** 1981;58(3):276–8

Enrichment of satellite DNA on the nuclear matrix of bovine cells. Matsumoto LH. **Nature** 1981 Dec 3;294(5840):481–2

Tissue specificity and clustering of methylated cystosines in bovine satellite I DNA. Sano H, et al. **Proc Natl Acad Sci USA** 1982 Jun;79(11):3584–8

DNA, SINGLE-STRANDED

Molecular mechanisms of binding and single–strand scission of deoxyribonucleic acid by the antitumor antibiotics safranycins A and C. Lown JW, et al. **Biochemistry** 1982 Feb 2;21(3):419–28

A method for sequencing single–stranded cloned DNA in both directions. Hong GF. **Biosci Rep** 1981 Mar;1(3):243–52

Measurements by filter elution of DNA single– and double–strand breaks in rat hepatocytes: effects of nitrosamines and gamma–irradiation. Bradley MO, et al. **Cancer Res** 1982 Jul;42(7):2592–7

Role of superhelicity in homologous pairing of DNA molecules promoted by Escherichia coli recA protein. Shibata T, et al. **J Biol Chem** 1982 Jan 10;257(1):370–6

Exonuclease II from Saccharomyces cerevisiae. An enzyme which liberates 5'–deoxyribomononucleotides from single–stranded DNA by a 5' goes to 3' mode of hydrolysis. Villadsen IS, et al. **J Biol Chem** 1982 Jul 25;257(14):8177–82

Electron microscopy of a eukaryotic single–stranded DNA binding protein–DNA complex. Banks GR, et al. **J Mol Biol** 1981 Sep 15;151(2):321–5

A duplex structure involving two non–complementary DNA strands can be formed and stabilized by M13 phage proteins. Griffith JD, et al. **J Mol Biol** 1982 May 15; 157(2):321–30

Orientation of the DNA in the filamentous bacteriophage f1. Webster RE, et al. **J Mol Biol** 1981 Oct 25;152(2):357–74

Primary and secondary structure specificity of the cleavage of 'single–stranded' DNA by endonuclease Hinf I. Hofer B, et al. **Nucleic Acids Res** 1982 May 11;10(9):2763–73

Some characteristics of apurinic sites in single– and double–stranded biologically active phi X174 DNA. Lafleur MV, et al. **Nucleic Acids Res** 1981 Dec 11; 9(23):6591–9

Characterisation of two monoclonal antibodies specific for dimerised and non–dimerised adjacent thymidines in single stranded DNA. Strickland PT, et al. **Photochem Photobiol** 1981 Nov;34(5):595–601

ANALYSIS

Orientation of separated DNA strands of coliphage 186 relative to its genetic map. Kalionis B, et al. **Gene** 1981 Oct;15(1):95–8

A very small porcine virus with circular single–stranded DNA. Tischer I, et al. **Nature** 1982 Jan 7;295(5844):64–6

Studies on the amount of single–stranded DNA present in Chinese hamster ovary cells during the repair of damage induced by X rays or methyl methanesulfonate. Wong RS, et al. **Radiat Res** 1981 Sep;87(3):689–709

[Chromosome aberrations and molecular weight of single–stranded DNA fragments in embryonal fibroblasts of mouse strains 101/H and CBA] S'iakste TG, et al. **Biull Eksp Biol Med** 1981 Sep;92(9):329–31 (Eng. Abstr.) **(Rus)**

[Repair of DNA injuries induced by thiophosphamide in embryonal fibroblasts of 101/H and CBA mice] S'iakste TG. **Biull Eksp Biol Med** 1982 Jan;93(1):68–70 (Eng. Abstr.) **(Rus)**

BIOSYNTHESIS

Single–stranded DNA transcription by yeast RNA polymerase B. Nagamine Y, et al. **Biochim Biophys Acta** 1981 Dec 28;656(2):220–7

Morphogenesis of phi X174: in vitro synthesis of infectious phage from purified viral components. Aoyama A, et al. **Proc Natl Acad Sci USA** 1981 Dec;78(12):7285–9

BLOOD

Nonhistone chromatin proteins HMG–14 and HMG–17 bind preferentially to single–stranded DNA. Isackson PJ, et al. **Nucleic Acids Res** 1981 Aug 11;9(15):3779–91

GENETICS

Single–stranded gaps as localized targets for in vitro mutagenesis. Shortle D, et al. **Basic Life Sci** 1982;20:147–55

The single–strands of yeast autonomously replicating DNA segments are not recognized as origins of replication by Escherichia coli DNA replication proteins. Bieker JJ, et al. **Biochem Biophys Res Commun** 1981 Jul 16; 101(1):194–200

The small chromatin fragments released by micrococcal nuclease from hepatoma tissue cultured cell nuclei are strongly enriched in coding DNA sequences and are related to an actively transcribed single–stranded DNA fraction. Kitzis A, et al. **Biochim Biophys Acta** 1982 Apr 26; 697(1):60–70

The interaction of the A and A* proteins of bacteriophage phi X174 with single–stranded and double–stranded phi X DNA in vitro. van der Ende A, et al. **Eur J Biochem** 1982 May 17;124(2):245–52

Region– and strand–specific mutagensis of a recombinant plasmid. Giza PE, et al. **Gene** 1981 Dec;15(4):331–42

Bacteriophage lambda DNA packaging in vitro. The involvement of the lambda FI gene product, single–strand DNA, and a novel lambda–directed protein in the packaging reaction. Benchimol S, et al. **J Biol Chem** 1982 May 10;257(9):5201–10

Restriction map of the single–stranded DNA genome of Kilham rat virus strains 171, a nondefective parvovirus. Banerjee PT, et al. **J Virol** 1981 Oct;40(1):118–25

Rifampicin–resistant initiation of DNA synthesis on the isolated strands of ColE plasmid DNA. Böldicke TW, et al. **Nucleic Acids Res** 1981 Oct 24;9(20):5215–31

Accessibility of U1 RNA to base pairing with a single–stranded DNA fragment mimicking the intron extremities at the splice junction. Lazar E, et al. **Nucleic Acids Res** 1982 Feb 25;10(4):1193–201

Use of specific single stranded DNA probes cloned in M13 to study the RNA synthesis of four temperature–sensitive mutants of HK/68 influenza virus. Thierry F, et al. **Nucleic Acids Res** 1982 May 11;10(9):2925–38

Manifold expression of new cellular genes in human lymphoid neoplasia. Hanania N, et al. **Proc Natl Acad Sci USA** 1981 Oct;78(10):6504–8

Viable deletions of the M13 complementary strand origin. Kim MH, et al. **Proc Natl Acad Sci USA** 1981 Nov; 78(11):6784–8

Identification of ColE1 DNA sequences that direct single strand–to–double strand conversion by a phi X174 type mechanism. Nomura N, et al. **Proc Natl Acad Sci USA** 1982 May;79(10):3153–7

[Enzyme studies on the recognition of the initiation signals in priming replication with single–stranded phage DNA templates (author's transl)] Arai K, et al. **Tanpakushitsu Kakusan Koso** 1982;27(1):39–53 (52 ref.) **(Jpn)**

IMMUNOLOGY

Antibody–nucleic acid complexes. Identification of antigenic determinant of a murine monoclonal antibody specific for single–stranded nucleic acids. Munns TW, et al. **Biochemistry** 1982 Jun 8;21(12):2929–36

[Anti–DNA determination using Crithidia luciliae. Specificity and clinical usefulness in systemic lupus erythematosus] Pena Sagredo JL, et al. **Rev Rhum Mal Osteoartic** 1982 Apr;49(5):345–50 (Eng. Abstr.) **(Fre)**

ISOLATION & PURIFICATION

High–yield purification of small, single–stranded DNA. Sclafani RA, et al. **Anal Biochem** 1981 Jul 15;115(1):197–202

Methods for the detection of single–strand breaks in DNA under neutral conditions and their application in a study

on the mechanism of repair of N-methylated purines in mouse cells. Wintersberger E. **Eur J Biochem** 1982 Jun 15;125(1):151–6

Sizing of DNA fragments by preparative, benzoylated DEAE-cellulose chromatography. Haber M, et al. **FEBS Lett** 1981 Oct 12;133(1):72–4

Isolation of a mouse DNA fraction which encodes more informational than non informational RNA sequences. Hanania N, et al. **Mol Biol Rep** 1982 Mar 31;8(2):91–6

METABOLISM

Escherichia coli single-strand deoxyribonucleic acid binding protein: stability, specificity, and kinetics of complexes with oligonucleotides and deoxyribonucleic acid. Krauss G, et al. **Biochemistry** 1981 Sep 1;20(18):5346–52

Kinetics of transfer of Escherichia coli single strand deoxyribonucleic acid binding protein between single-stranded deoxyribonucleic acid molecules. Schneider RJ, et al. **Biochemistry** 1982 Feb 16;21(4):608–15

Protein-associated deoxyribonucleic acid strand breaks in L1210 cells treated with the deoxyribonucleic acid intercalating agents 4'-(9-acridinylamino) methanesulfon-m-anisidide and adriamycin. Zwelling LA, et al. **Biochemistry** 1981 Nov 10;20(23):6553–63

In vitro conversion of S13 viral DNA in phage particles to the double-stranded DNA. Watabe K, et al. **Biochim Biophys Acta** 1981 Dec 28;656(2):189–94

Detection of DNA single-strand breaks produced during the repair of damage by DNA-protein cross-linking agents. Fornace AJ Jr. **Cancer Res** 1982 Jan;42(1):145–9

Induction of SOS functions: regulation of proteolytic activity of E. coli RecA protein by interaction with DNA and nucleoside triphosphate. Phizicky EM, et al. **Cell** 1981 Jul; 25(1):259–67

Protein kinases associated with the adenovirus single-stranded DNA-binding protein. Cajean-Feroldi C, et al. **Eur J Biochem** 1981 Nov;120(1):79–87

Involvement of host cell gene products in conversion of bacteriophage S13 single-stranded DNa to duplex replicative form DNA in vitro. Watabe K, et al. **J Biochem (Tokyo)** 1981 Sep;90(3):779–83

recA protein-promoted DNA strand exchange. Stable complexes of recA protein and single-stranded DNA formed in the presence of ATP and single-stranded DNA binding protein. Cox MM, et al. **J Biol Chem** 1982 Jul 25; 257(14):8523–32

Beta protein of bacteriophage lambda promotes renaturation of DNA. Kmiec E, et al. **J Biol Chem** 1981 Dec 25; 256(24):12636–9

Mechanism of replication of bacteriophage phi X174 XX. Sensitivity of nascent DNA to single-strand-specific nucleases. Matthes M, et al. **J Virol** 1982 Apr;42(1):12–9

Mutagenicity and DNA-modifying activity of 2-nitropropane. Speck WT, et al. **Mutat Res** 1982 Apr; 104(1-3):49–54

E. coli uvrB protein binds to DNA in the presence of uvrA protein. Kacinski BM, et al. **Nature** 1981 Dec 3; 294(5840):480–81

Spectrofluorometric study on photochemical interaction between chlorpromazine and nucleic acids. Fujita H, et al. **Photochem Photobiol** 1981 Jul;34(1):101–5

Theoretical aspects of translocation on DNA: adenosine triphosphatases and treadmilling binding proteins. Hill TL, et al. **Proc Natl Acad Sci USA** 1981 Aug;78(8):4796–800

Template-directed pausing in in vitro DNA synthesis by DNA polymerase a from Drosophila melanogaster embryos. Kaguni LS, et al. **Proc Natl Acad Sci USA** 1982 Feb;79(4):983–7

Accessory proteins for DNA polymerase alpha activity with single-strand DNA templates. Lamothe P, et al. **Proc Natl Acad Sci USA** 1981 Aug;78(8):4723–7

Escherichia coli single-strand DNA binding protein from wild type and lexC113 mutant affects in vitro proteolytic cleavage of phage lambda repressor. Resnick J, et al. **Proc Natl Acad Sci USA** 1982 May;79(9):2832–5

Binding of single-strand DNA to human platelets. Dorsch CA. **Thromb Res** 1981 Oct 1–15;24(1-2):119–29

RADIATION EFFECTS

The sensitivity of active and inactive chromatin to ionizing radiation-induced DNA strand breakage. Chiu SM, et al. **Int J Radiat Biol** 1982 Jan;41(1):71–7

The extent of bonding of newly synthesized DNA to parent template in unirradiated cells as a prediction of radiation sensitivity. Cramp WA, et al. **Int J Radiat Biol** 1982 Feb; 41(2):193–6

Intercellular co-operation in repairing radiation-induced single-strand DNA breaks. Edgren M. **Int J Radiat Biol** 1982 May;41(5):589–93

Kinetics of repair of DNA single-strand breaks in cultured mammalian cells. Part I. The dependence on irradiation dose and cell cycle stage. Vexler FB, et al. **Int J Radiat Biol** 1982 Apr;41(4):453–7

Weigle reactivation of the single-stranded DNA phage f1. Froehlich B. **MGG** 1981;184(3):416–20

Radiation-induced base substitution mutagenesis in single-stranded DNA phage M13. Brandenburger A, et al. **Nature** 1981 Nov 12;294(5837):180–2

Single-strand breaks induced in Bacillus subtilis DNA by ultraviolet light: action spectrum and properties. Peak MJ, et al. **Photochem Photobiol** 1982 May;35(5):675–80

[Accumulation and repair of single-stranded breaks in the DNA of blood lymphocytes in mice of varying age after the action of gamma and UV radiation] Malakhova LV, et al. **Radiobiologiia** 1981 Nov-Dec;21(6):903–6 (Eng. Abstr.) **(Rus)**

[Repair of gamma-induced single- and double-stranded DNA breaks in escherichia coli cells] Petrov SI. **Radiobiologiia** 1981 Sep-Oct;21(5):671–5 (Eng. Abstr.) **(Rus)**

DNA, SUPERCOILED see **DNA, SUPERHELICAL**

DNA, SUPERHELICAL

Sensitive detection of specific repair endonucleases: radial diffusion assay utilizing differential alkaline denaturation of supercoiled and nicked PM2 DNA in agarose gels. Hurley DL, et al. **Anal Biochem** 1981 Dec;118(2):371–81

DNA-binding protein from HeLa cells that binds preferentially to supercoiled DNA damaged by ultraviolet light or N-acetoxy-N-acetyl-2-aminofluorene. Tsang SS, et al. **Biochim Biophys Acta** 1982 May 31;697(2):202–12

X-ray scattering from randomly oriented superhelices. Circular superhelical DNA. Benham CJ, et al. **Biophys J** 1980 Mar;29(3):351–66

Stable cruciform formation at inverted repeat sequences in supercoiled DNA. Benham CJ. **Biopolymers** 1982 Mar; 21(3):679–96

Decrease in the density of DNA topological turns during vitro aging of Syrian hamster cells. Glaser VM, et al. **Exp Cell Res** 1982 Jun;139(2):249–55

Premelting of superhelical DNA: an expression for superhelical energy. Vologodskii AV, et al. **FEBS Lett** 1981 Aug 17;131(1):178–80

Action of mung bean nuclease on supercoiled PM2 DNA. Kowalski D, et al. **J Biol Chem** 1982 Jul 10;257(13):7820–5

Repair of strand breaks in superhelical DNA of ataxia telangiectasia lymphoblastoid cells. Lavin MF, et al. **J Cell Sci** 1981 Apr;48:383–91

Reconstruction of complexes of histone and superhelical nuclear DNA. Levin JM, et al. **J Cell Sci** 1981 Aug; 50:209–24

Conformational changes induced by salt in complexes of histones and superhelical nuclear DNA. Levin JM, et al. **J Cell Sci** 1981 Aug;50:199–208

Cruciform structures in palindromic DNA are favored by DNA supercoiling. Mizuuchi K, et al. **J Mol Biol** 1982 Apr 5;156(2):229–43

Characterization, assay, and use of isolated bacterial nucleoids. Hirschbein L, et al. **Methods Biochem Anal** 1982; 28:297–328 (106 ref.)

Stability of the DNA apyrimidinic site. Duker NJ, et al. **Mutat Res** 1982 Feb;103(2):101–6

DNA supercoiling by DNA gyrase [news] Fisher LM. **Nature** 1981 Dec 17;294(5842):607–8

Effect of base-pair stability on the melting of superhelical DNA. Gagua AV, et al. **Nature** 1981 Dec 17; 294(5842):662–3

Left-handed Z-DNA is induced by supercoiling in physiological ionic conditions. Singleton CK, et al. **Nature** 1982 Sep 23;299(5881):312–6

Determination of the number of superhelical turns by the hyperchromicity of partially denatured covalently-closed DNA molecules. Dougherty G, et al. **Nucleic Acids Res** 1982 Jan 22;10(2):525–38

Viscometric analysis of the interaction of bisphenanthridinium compounds with closed circular supercoiled and linear DNA. Wilson WD, et al. **Nucleic Acids Res** 1982 Jul 10;10(13):4093–106

Knotted DNA from bacteriophage capsids. Liu LF, et al. **Proc Natl Acad Sci USA** 1981 Sep;78(9):5498–502

[Studies on the possible influence of oxamethacin upon DNA synthesis, DNA reparation and the supercoiled structure of DNA is spleen cells of mice] Bröll H, et al. **Z Rheumatol** 1980 Nov-Dec;39(11-12):401–5 (Eng. Abstr.) **(Ger)**

ANALYSIS

Determination of DNA superhelicity and extremely low levels of DNA strand breaks in low numbers of nonradiolabeled cells by DNA-4',6-diamidino-2-phenylindole fluorescence in nucleoid gradients. Lipetz PD, et al. **Anal Biochem** 1982 Apr;121(2):339–48

The facile generation of covalently closed, circular DNAs with defined negative superhelical densities. Singleton CK, et al. **Anal Biochem** 1982 May 15;122(2):253–7

Evidence for supercoiled hepatitis B virus DNA in chimpanzee liver and serum Dane particles: possible implications in persistent HBV infection. Ruiz-Opazo N, et al. **Cell** 1982 May;29(1):129–36

Supercoiled mitochondrial DNAs from plant tissue culture cells. Dale RM, et al. **Nucleic Acids Res** 1981 Sep 25; 9(18):4583–93

[Role of higher order structure of DNA in initiation process of DNA replication (author's transl)] Ogasawata N, et al. **Tanpakushitsu Kakusan Koso** 1982;27(1):28–38 (34 ref.) **(Jpn)**

BIOSYNTHESIS

An electrophoretic method for the detection of replicating, supercoiled simian virus 40 DNA. Friedrich TD, et al. **J Virol Methods** 1980;1(4):235–9

GENETICS

Papovavirus chromatin associated cellular endonuclease which introduces one double-strand cut in superhelical deoxyribonucleic acid. Waldeck W, et al. **Biochemistry** 1981 Jul 7;20(14):4203–9

DNA gyrase: site-specific interactions and transient double-strand breakage of DNA. Gellert M, et al. **Cold Spring Harbor Symp Quant Biol** 1980;45 Pt 1:391–8

Comparative studies of the effect of DNA superhelicity on in vitro transcription catalyzed by Escherichia coli S100 proteins and purified RNA polymerase. Kuroki K, et al. **Gene** 1982 Feb;17(2):179–87

In vitro transcription of the yeast alcohol dehydrogenase I gene by homologous RNA polymerase B (II). Selective initiation and discontinuous elongation on a supercoiled template. Lescure B, et al. **J Biol Chem** 1981 Nov 10; 256(21):11018–24

Relationship between superhelical density and cruciform formation in plasmid pVH51. Singleton CK, et al. **J Biol Chem** 1982 Jun 10;257(11):6292–5

Energetic and structural inter-relationship between DNA supercoiling and the right- to left-handed Z helix transitions in recombinant plasmids. Stirdivant SM, et al. **J Biol Chem** 1982 Sep 10;257(17):10159–65

A relationship between replicon size and supercoiled loop domains in the eukaryotic genome. Buongiorno-Nardelli M, et al. **Nature** 1982 Jul 1;298(5869):100–2

Lower fidelity of RecA protein catalysed homologous pairing with a superhelical substrate. DasGupta C, et al. **Nature** 1982 Jan 7;295(5844):71–3

Size and base composition of RNA segments in complementary strands of supercoiled plasmid ColE1 DNA. Williams PH, et al. **Plasmid** 1982 Mar;7(2):192–5

ISOLATION & PURIFICATION

Purification of supercoiled DNA of plasmid col E1 by RPC-5 chromatography. Best AN, et al. **Anal Biochem** 1981 Jul 1;114(2):235–43

[Isolation of intact supercoiled mitochondrial DNA from the yeast Saccharomyces cerevisiae] Larionov VL, et al. **Mol Biol (Mosk)** 1982 Mar-Apr;16(2):363–8 (Eng. Abstr.) **(Rus)**

METABOLISM

Cis- and trans-diamminedichloroplatinum(II) binding products different tertiary structural changes on SV40 DNA. Scovell WM, et al. **Biochem Biophys Res Commun** 1982 Feb 26; 104(4):1597–603

The SalGI restriction endonuclease. Mechanism of DNA cleavage. Maxwell A, et al. **Biochem J** 1982 Apr 1; 203(1):85–92

The SalGI restriction endonuclease. Enzyme specificity. Maxwell A, et al. **Biochem J** 1982 Apr 1;203(1):93–8

Efficiency of T4 DNA ligase-catalyzed end joining after S1 endonuclease treatment on duplex DNA containing single-stranded portions. Shishido K, et al. **Biochim Biophys Acta** 1981 Nov 27;656(1):123–7

Mammalian DNA-repair endonuclease acts only on supercoiled DNA. Helland D, et al. **FEBS Lett** 1982 Jun 1;142(1):121–4

Molecular interaction between simian virus 40 DNA and Escherichia coli RNA polymerase. Mapping of the initiation sites on supercoiled and linear DNA. Lavialle C, et al. **J Biol Chem** 1982 Feb 10;257(3):1549–57

Differences among H1 histone subfractions in binding to linear and superhelical DNA. Sedimentation velocity studies. Liao LW, et al. **J Biol Chem** 1981 Nov 10; 256(21):11145–50

Nucleotide sequences at the phi X gene A protein cleavage site in replicative form I DNAs of bacteriophages U3, G14, and alpha 3. Heidekamp F, et al. **J Virol** 1982 Apr; 42(1):91–9

ATP-dependent unwinding of double helix in closed circular DNA by recA protein of E. coli. Ohtani T, et al. **Nature** 1982 Sep 2;299(5878):86–9

Interaction of histone H1 with superhelical DNA. Sedimentation and electron microscopical studies at low salt concentration. Böttger M, et al. **Nucleic Acids Res** 1981 Oct 24;9(20):5253–68

Is DNA unwound by the cyclic AMP receptor protein? Kolb A, et al. **Nucleic Acids Res** 1982 Jan 22;10(2):473–85

Novel topologically knotted DNA from bacteriophage P4 capsids: studies with DNA topoisomerases. Liu LF, et al. **Nucleic Acids Res** 1981 Aug 25;9(16):3979–89

A study of the reversibility of helix-coil transition in DNA. Perelroyzen MP, et al. **Nucleic Acids Res** 1981 Aug 25; 9(16):4043–59

Enzymatic properties of the bacteriophage phi X174 A protein on superhelical phi X174 DNA: a model for the termination of the rolling circle DNA replication. van der Ende A, et al. **Nucleic Acids Res** 1981 May 11;9(9):2037–53

Circular monomers of bacteriophage lambda DNA as substrates for in vitro packaging. Gold M, et al. **Virology** 1982 May;119(1):35–41

RADIATION EFFECTS

Normal reconstruction of DNA supercoiling and chromatin structure in cockayne syndrome cells during repair of damage from ultraviolet light. Cleaver JE. **Am J Hum Genet** 1982 Jul;34(4):566–75

Restriction enzyme cleavage of ultraviolet-damaged DNA. Cleaver JE, et al. **Biochim Biophys Acta** 1982 May 31; 697(2):255–8

Supercoiled DNA repair in thymocyte fractions differing in radiosensitivity. Filippovich IV, et al. **Int J Radiat Biol** 1982 Jul;42(1):31–44

Changes in the supercoiled structure of nuclear DNA in rat and human peripheral blood lymphocytes after gamma-irradiation. Klimov NA, et al. **Int J Radiat Biol** 1982 Feb;41(2):221–5

[Molecular mechanisms of the radiation death of lymphoid cells. 3. Repair of superhelical DNA in a subpopulation of thymocytes differing in radiosensitivity] Filippovich IV, et al. **Radiobiologiia** 1982 Mar-Apr;22(2):165–70 (Eng. Abstr.) **(Rus)**

[Molecular mechanisms of the radiation death of lymphoid cells. 2. Damage and repair of superhelical DNA in mouse thymocytes after gamma radiation] Soldatenkov VA, et al. **Radiobiologiia** 1982 Jan-Feb;22(1):25–30 **(Rus)**

DNA, SUPERTWISTED see **DNA, SUPERHELICAL**

DNA TOPOISOMERASE see **DNA UNTWISTING PROTEINS**

DNA TUMOR VIRUSES

GENETICS

[Viruses and cancer (author's transl)] Marbaix G, et al. **Rev Med Brux** 1981 Apr;2(4):405–9 (Eng. Abstr.) **(Fre)**

DNA UNTWISTING ENZYMES see **DNA UNTWISTING PROTEINS**

DNA UNTWISTING PROTEINS

ANTAGONISTS & INHIBITORS

Inhibition of topoisomerase I by heparin. Ishii K, et al. **Biochem Biophys Res Commun** 1982 Jan 29;104(2):541–7

Eukaryotic DNA repair is blocked at different steps by inhibitors of DNA topoisomerases and of DNA polymerases alpha and beta. Mattern MR, et al. **Biochim Biophys Acta** 1982 Apr 26;697(1):6–13

ISOLATION & PURIFICATION

Purification and properties of type 1 topoisomerase from chicken erythrocytes: mechanism of eukaryotic topoisomerase action. Pulleyblank DE, et al. **Biochemistry** 1982 Mar 16;21(6):1155–61

Isolation and partial characterization of two distinct DNA topoisomerases from cauliflower inflorescence. Fukata H, et al. **J Biochem (Tokyo)** 1982 Apr;91(4):1337–42

Purification and properties of a topoisomerase from Ustilago maydis. Rowe TC, et al. **J Biol Chem** 1981 Oct 25; 256(20):10354–61

DNA topoisomerase activity associated with Rous sarcoma virus. Weis JH, et al. **Virology** 1981 Oct 30;114(2):563–6

METABOLISM

The androgenic regulation of superhelical-DNA nicking-closing enzyme in rat ventral prostate. Filipenko JD, et al. **Biochem J** 1981 Apr 15;196(1):195–202

Type I DNA topoisomerases from mammalian cell nuclei interlock strains and promote renaturation of denatured closed circular PM2 DNA. Lau PP, et al. **Biochim Biophys Acta** 1981 Sep 28;655(2):199–209

DNA topoisomerase I from mitochondria of Xenopus laevis oocytes. Brun G, et al. **Eur J Biochem** 1981 Aug; 118(2):407–15

The topoisomerase activity of T4 amG39 mutant is restored in Mu lysogens. Ghelardini P, et al. **FEBS Lett** 1982 Jan 11;137(1):49–52

Fanconi's anemia: anomaly of enzyme passage through the nuclear membrane? Anomalous intracellular distribution of topoisomerase activity in placental extracts in a case of Fanconi's anemia. Wunder E, et al. **Hum Genet** 1981; 58(2):149–55

Intra- and intermolecular strand transfer by HeLa DNA topoisomerase I. Halligan BD, et al. **J Biol Chem** 1982 Apr 10;257(7):3995–4000

Catenation of DNA rings by topoisomerases. Mechanism of control by spermidine. Krasnow MA, et al. **J Biol Chem** 1982 Mar 10;257(5):2687–93

Does simian virus 40 T antigen unwind DNA? Myers RM, et al. **J Biol Chem** 1981 Oct 10;256(19):10156–60

ATP-dependent unwinding of double helix in closed circular DNA by recA protein of E. coli. Ohtani T, et al. **Nature** 1982 Sep 2;299(5878):86–9

Recognition sites of eukaryotic DNA topoisomerase I: DNA nucleotide sequencing analysis of topo I cleavage sites on SV40 DNA. Edwards KA, et al. **Nucleic Acids Res** 1982 Apr 24;10(8):2565–76

[Partial purification and characterization of nuclear DNA-topoisomerases from trypanosomes (author's transl)] Riou G, et al. **C R Seances Acad Sci [III]** 1982 Mar 15; 294(11):439–42 (Eng. Abstr.) **(Fre)**

PHARMACODYNAMICS

Novel topologically knotted DNA from bacteriophage P4 capsids: studies with DNA topoisomerases. Liu LF, et al. **Nucleic Acids Res** 1981 Aug 25;9(16):3979–89

PHYSIOLOGY

[Role of untwisting proteins in the repair of radiation damage to DNA] Aizenberg OA, et al. **Radiobiologiia** 1982 Jan-Feb;22(1):7–12 (Eng. Abstr.) **(Rus)**

DNA UNWINDING PROTEINS

GENETICS

Relative map location of the rep and rho genes of Escherichia coli. Tessman I, et al. **J Bacteriol** 1982 Sep;151(3):1637–40

Variable expression of the ssb—1 allele in different strains of Escherichia coli K12 and B: differential suppression of its effects on DNA replication, DNA repair and ultraviolet mutagenesis. Lieberman HB, et al. **MGG** 1981; 183(2):348–55

DNA repair in E. coli strains deficient in single-strand DNA binding protein. Whittier RF, et al. **MGG** 1981;183(2):341–7

Posttranscriptional control of bacteriophage lambda gene expression from a site distal to the gene. Guarneros G, et al. **Proc Natl Acad Sci USA** 1982 Jan;79(2):238–42

Sequences of the ssb gene and protein. Sancar A, et al. **Proc Natl Acad Sci USA** 1981 Jul;78(7):4274–8

METABOLISM

Involvement of basic amino acids in the activity of a nucleic acid helix-destabilizing protein. Karpel RL, et al. **Biochim Biophys Acta** 1981 Jun 26;654(1):42–51

A basic isozyme of yeast glyceraldehyde-3-phosphate dehydrogenase with nucleic acid helix-destabilizing activity. Karpel RL, et al. **Biochim Biophys Acta** 1981 Jul 27;654(2):256–67

DNA synthesis at a fork in the presence of DNA helicases. Kuhn B, et al. **Eur J Biochem** 1982 Jun 15;125(1):63–8

Kinetics and mechanism of the association of the bacteriophage T4 gene 32 (helix destabilizing) protein with single-stranded nucleic acids. Evidence for protein translocation. Lohman TM, et al. **J Mol Biol** 1981 Oct 15;152(1):67–109

Theoretical aspects of translocation on DNA: adenosine triphosphatases and treadmilling binding proteins. Hill TL, et al. **Proc Natl Acad Sci USA** 1981 Aug;78(8):4796–800

RNA-helix-destabilizing proteins. Thomas JO, et al. **Prog Nucleic Acid Res Mol Biol** 1982;27:157–87 (160 ref.)

[Integrase of lambda phage inhibits the activity of promotor Patt under in vivo and in vitro conditions] Kravchenko VV, et al. **Mol Biol (Mosk)** 1982 May-Jun;16(3):511–8 (Eng. Abstr.) **(Rus)**

[Modification of Escherichia coli RNA polymerase by diethylpyrocarbonate. II. Binding and unwinding of double-stranded DNA] Rozovskaia TA, et al. **Mol Biol (Mosk)** 1981 Jan-Feb;15(1):79–85 (Eng. Abstr.) **(Rus)**

PHARMACODYNAMICS

Mechanistic studies of ribonucleic acid renaturation by a helix-destabilizing protein. Karpel RL, et al. **Biochemistry** 1982 Apr 27;21(9):2102–8

DNA, VIRAL

see related
DNA VIRUSES

Sensitive detection of specific repair endonucleases: radial diffusion assay utilizing differential alkaline denaturation of supercoiled and nicked PM2 DNA in agarose gels. Hurley DL, et al. **Anal Biochem** 1981 Dec;118(2):371–81

Detection of herpes simplex virus mRNA in latently infected trigeminal ganglion neurons by in situ hybridization. Tenser RB, et al. **Ann Neurol** 1982 Mar;11(3):285–91

Cleavage of DNA at apyrimidinic sites by lysyl-tryptophyl-alpha-lysine. Duker NJ, et al. **Biochem Biophys Res Commun** 1982 Apr 29;105(4):1433–9

Neocarzinostatin chromophore binds to deoxyribonucleic acid by intercalation. Povirk LF, et al. **Biochemistry** 1981 Jul 7;20(14):4007–14

Type I DNA topoisomerases from mammalian cell nuclei interlock strains and promote renaturation of denatured closed circular PM2 DNA. Lau PP, et al. **Biochim Biophys Acta** 1981 Sep 28;655(2):199–209

Differential reactivities at restriction enzyme sites. Malcolm AD, et al. **Biochim Biophys Acta** 1981 Sep 28;655(2):128–35

Flow birefringence of T7 phage DNA: dependence on salt concentration. Cairney KL, et al. **Biopolymers** 1982 May; 21(5):923–34

Melting experiment concerning the topological structure of closed circular double-stranded DNA. Giacomoni PU. **Biopolymers** 1982 Jan;21(1):117–29

Flow dichroism of T7 DNA as a function of salt concentration. Rizzo V, et al. **Biopolymers** 1981 Oct; 20(10):2143–63

The use of the restriction endonuclease DdeI for mapping relataed DNAs. Buluwela L, et al. **Biosci Rep** 1981 Mar; 1(3):223–8

Viral transmission of psoriasis [letter] Guilhou JJ. **Br J Dermatol** 1981 Nov;105(5):610

Glucocorticoid regulation of the Ha-MuSV p21 gene conferred by sequences from mouse mammary tumor virus. Huang AL, et al. **Cell** 1981 Dec;27(2 Pt 1):245–55

Nucleotide sequence of the simian virus 40 HindII + III restriction fragment I (fourth part of the T antigen gene). Van Herreweghe J, et al. **Eur J Biochem** 1980 May; 106(1):179–92

Nucleotide sequence of the Hind-I-proximal part of simian virus 40 HindII + III restriction fragment B (fifth part of the T antigen gene). Van Herreweghe J, et al. **Eur J Biochem** 1980 May;106(1):193–8

Nucleotide sequence of simian virus 40 DNA: structure of the middle segment of the HindII + III restriction fragment B (sixth part of the T antigen gene) and codon usage. Van Heuverswyn H, et al. **Eur J Biochem** 1980 May; 106(1):199–209

Nucleotide sequence of the simian virus 40 HindII + III restriction fragment A (second part of the T antigen gene). Volckaert G, et al. **Eur J Biochem** 1980 May;106(1):169–77

Relaxed specificity of endonuclease BamH1 as determined by identification or recognition sites in SV 40 and pBR 322 DNAs. Kolesnikov VA, et al. **FEBS Lett** 1981 Sep 14;132(1):101–4

[Methyl-3H]thymidine in DNA induces lesions which are recognized by a mammalian DNA-repair endonuclease. Nes IF. **FEBS Lett** 1981 Oct 26;133(2):217–20

Complete nucleotide sequence of the bacteriophage lambda DNA region containing gene Q and promoter pR'. Petrov NA, et al. **FEBS Lett** 1981 Oct 26;133(2):316–20

Chronic inflammatory bowel disease: absence of adenovirus DNA as established by molecular hybridization. Roche JK, et al. **Gastroenterology** 1981 Nov;81(5):853–8

Nucleotide-sequence heterogeneity and sequence rearrangements in influenza virus cDNA. Fields S, et al. **Gene** 1981 Nov;15(2–3):207–14

Cloned fragments of human adenovirus type-12 DNA. Vogel S, et al. **Gene** 1981 Nov;15(2–3):273–8

Linkage map of cotransfected viral DNA sequences in a mouse 3T3 cell line. van den Berg FM, et al. **Intervirology** 1981;16(3):184–90

Restriction map of double-stranded DNA copy synthesized from poliovirus Sabin 1 RNA. Nomoto A, et al. **J Biochem (Tokyo)** 1982 May;91(5):1593–600

Effects of O2 on the reactions of activated bleomycin. Burger RM, et al. **J Biol Chem** 1982 Apr 10;257(7):3372–5

Does simian virus 40 T antigen unwind DNA? Myers RM, et al. **J Biol Chem** 1981 Oct 10;256(19):10156–60

Deglyco-bleomycin. Degradation of DNA and formation of a structurally unique Fe(II) . CO complex. Oppenheimer NJ, et al. **J Biol Chem** 1982 Feb 25;257(4):1606–9

Specific nicking of DNA at apurinic sites by peptides containing aromatic residues. Pierre J, et al. **J Biol Chem** 1981 Oct 25;256(20):10217–20

Role of superhelicity in homologous pairing of DNA molecules promoted by Escherichia coli recA protein. Shibata T, et al. **J Biol Chem** 1982 Jan 10;257(1):370–6

Specific sequences in native DNA that arrest synthesis by DNA polymerase alpha. Weaver DT, et al. **J Biol Chem** 1982 Feb 25;257(4):2075–86

Identification of DNA viruses by membrane filter hybridization. Stålhandske P, et al. **J Clin Microbiol** 1982 Apr;15(4):744–7

Nucleotide sequences of the joint between the L and S segments of herpes simplex virus types 1 and 2. Davison AJ, et al. **J Gen Virol** 1981 Aug;55(Pt 2):315–31

Electron microscopy of a eukaryotic single-stranded DNA binding protein-DNA complex. Banks GR, et al. **J Mol Biol** 1981 Sep 15;151(2):321–5

Predominant end-products of prophage Mu DNA transposition during the lytic cycle are replicon fusions. Chaconas G, et al. **J Mol Biol** 1981 Aug 15;150(3):341–59

Nucleotide sequence from the genetic left end of bacteriophage T7 DNA to the beginning of gene 4. Dunn JJ, et al. **J Mol Biol** 1981 Jun 5;148(4):303–30

A duplex structure involving two non-complementary DNA strands can be formed and stabilized by M13 phage proteins. Griffith JD, et al. **J Mol Biol** 1982 May 15; 157(2):321–30

Oligomeric structure of a simian virus 40 T antigen in free form and bound to DNA. Myers RM, et al. **J Mol Biol** 1981 Jun 5;148(4):347–53

rII cistrons of bacteriophage T4. DNA sequence around the intercistronic divide and positions of genetic landmarks. Pribnow D, et al. **J Mol Biol** 1981 Jul 5;149(3):337–76

Synthesis, cleavage and sequence analysis of DNA complementary to the 26 S messenger RNA of Sindbis virus. Rice CM, et al. **J Mol Biol** 1981 Aug 15; 150(3):315–40

Nucleotide sequence of the cloned gene for bacteriophage T7 RNA polymerase. Stahl SJ, et al. **J Mol Biol** 1981 Jun 5;148(4):481–5

Patterns of integration of viral DNA in adenovirus type 2-transformed hamster cells. Vardimon L, et al. **J Mol Biol** 1981 Apr 5;147(2):227–46

Orientation of the DNA in the filamentous bacteriophage f1. Webster RE, et al. **J Mol Biol** 1981 Oct 25;152(2):357–74

Detection of methylated sequences in eukaryotic DNA with the restriction endonucleases Smai and Xmai. Youssoufian H, et al. **J Mol Biol** 1981 Jul 25;150(1):133–6

DNA ligase is required for encapsidation of bacteriophage T4 DNA. Zachary A, et al. **J Mol Biol** 1981 Jul 15; 149(4):641–58

Visualization of the DNA thread packing within bacteriophage T4 heads. Fujiyoshi Y, et al. **J Ultrastruct Res** 1982 May;79(2):235–40

Cloning overlapping DNA fragments from the B95–8 strain of Epstein–Barr virus reveals a site of homology to the internal repetition. Buell GN, et al. **J Virol** 1981 Dec; 40(3):977–82

Epstein–Barr virus DNA. X. Direct repeat within the internal direct repeat of Epstein–Barr virus DNA. Cheung A, et al. **J Virol** 1981 Nov;40(2):501–7

Nucleotide sequence analysis of the long terminal repeat of integrated simian sarcoma virus: evolutionary relationship with other mammalian retroviral long terminal repeats. Devare SG, et al. **J Virol** 1982 Jun;42(3):1108–13

Molecular cloning of viral DNA from human genital warts. de Villiers EM, et al. **J Virol** 1981 Dec;40(3):932–5

Organization of the Epstein–Barr virus DNA molecule. II. Fine mapping of the boundaries of the internal repeat cluster of B95–8 and identification of additional small tandem repeats adjacent to the HR–1 deletion. Hayward SD, et al. **J Virol** 1982 Jul;43(1):201–12

Sequence of the long terminal repeat and adjacent segments of the endogenous avian virus Rous-associated virus 0. Hughes SH. **J Virol** 1982 Jul;43(1):191–200

Amplification of a short nucleotide sequence in the repeat units of defective herpes simplex virus type 1 Angelotti DNA. Kaerner HC, et al. **J Virol** 1981 Jul;39(1):75–81

Biochemical characterization of two types of human papillomaviruses associated with epidermodysplasia verruciformis. Kremsdorf D, et al. **J Virol** 1982 Aug; 43(2):436–47

Molecular cloning and characterization of murine leukemia virus–related DNA sequences from C3H/HeN mouse DNA. Roblin R, et al. **J Virol** 1982 Jul;43(1):113–26

Nucleotide sequence analysis of the long terminal repeat of avian myeloblastosis virus and adjacent host sequences. Rushlow KE, et al. **J Virol** 1982 Jun;42(3):840–6

Molecular cloning of the Fujinami sarcoma virus genome and its comparison with sequences of other related transforming viruses. Shibuya M, et al. **J Virol** 1982 Jun; 42(3):1007–16

Preparation of subviral particles from vaccinia virions irradiated with ultraviolet light. Soloski M, et al. **J Virol Methods** 1980;1(4):185–95

Restriction enzyme analysis of herpesvirus–2 DNA [letter] Smith IW, et al. **Lancet** 1981 Dec 19–26;2(8260–61):1424

Restriction of streptomyces phage SH5 by endonuclease ShyI from Streptomyces hygroscopicus 0477. Klaus S, et al. MGG 1981;184(2):286–8

Hemorrhagic enteritis and nonsuppurative myocarditis caused by canine parvovirus. Wilhelmsen CL. **Milit Med** 1982 Mar;147(3):231, 236–7

Stability of the DNA apyrimidinic site. Duker NJ, et al. **Mutat Res** 1982 Feb;103(2):101–6

5,6–Saturated thymine lesions in DNA: production by ultraviolet light or hydrogen peroxide. Demple B, et al. **Nucleic Acids Res** 1982 Jun 25;10(12):3781–9

Recognition sites of eukaryotic DNA topoisomerase I: DNA nucleotide sequencing analysis of topo I cleavage sites on SV40 DNA. Edwards KA, et al. **Nucleic Acids Res** 1982 Apr 24;10(8):2565–76

Restriction enzyme digestion of hemimethylated DNA. Gruenbaum Y, et al. **Nucleic Acids Res** 1981 Jun 11; 9(11):2509–15

Digestion of highly modified bacteriophage DNA by restriction endonucleases. Huang LH, et al. **Nucleic Acids Res** 1982 Mar 11;10(5):1579–91

The DNA sequence of the phage lambda genome between PL and the gene bet. Ineichen K, et al. **Nucleic Acids Res** 1981 Sep 25;9(18):4639–53

Sedimentation velocity of DNA in isokinetic sucrose gradients: calibration against molecular weight using fragments of defined length. Korba BE, et al. **Nucleic Acids Res** 1981 Sep 11;9(17):4403–12

Some characteristics of apurinic sites in single– and double–stranded biologically active phi X174 DNA. Lafleur MV, et al. **Nucleic Acids Res** 1981 Dec 11; 9(23):6591–9

Equilibrium binding of carcinogens and antitumor antibiotics to DNA: site selectivity, cooperativity, allosterism. Winkle SA, et al. **Nucleic Acids Res** 1981 Jul 10;9(13):3175–86

Specificity in the interaction of 4',6–diamidino–2–phenylindole with polynucleotides. Morikawa K, et al. **Nucleic Acids Symp Ser** 1981;(10):85–8

Sequence–specific endonuclease BamHI: relaxation of sequence recognition. George J, et al. **Proc Natl Acad Sci USA** 1982 Apr;79(8):2432–6

Knotted DNA from bacteriophage capsids. Liu LF, et al. **Proc Natl Acad Sci USA** 1981 Sep;78(9):5498–502

Spontaneous changes in nucleotide sequence in proviruses of spleen necrosis virus, an avian retrovirus. O'Rear JJ, et al. **Proc Natl Acad Sci USA** 1982 Feb;79(4):1230–4

Molecular cloning and physical mapping of varicella–zoster virus DNA. Straus SE, et al. **Proc Natl Acad Sci USA** 1982 Feb;79(4):993–7

Structure of filamentous bacteriophage: isolation, characterization, and localization of the minor coat proteins and orientation of the DNA. Grant RA, et al. **Prog Clin Biol Res** 1981;64:413–28

Theoretical evidence for the significance of certain types of DNA secondary structure in the genomes of phi X174, G4, fd, SV40 and the plasmid pBR322. Müller UR, et al. **Prog Clin Biol Res** 1981;64:285–97

High resolution thermal melting studies of DNA. Tachibana H, et al. **Prog Clin Biol Res** 1981;64:299–313

Direct imaging of a double–strand DNA molecule. Fujiyoshi Y, et al. **Ultramicroscopy** 1981;7(2):189–92

Properties of the genome of equine herpesvirus type 3. Atherton SS, et al. **Virology** 1982 Jul 15;120(1):18–32

DNase I sensitivity of endogenous and exogenous proviral genome copies in M–MuLV–induced tumors of Mov–3 Mice. Breindl M, et al. **Virology** 1982 May;119(1):204–8

Structure of the genome of equine herpesvirus type 1. Henry BE, et al. **Virology** 1981 Nov;115(1):97–114

Structure of frog virus 3 genome: size and arrangement of nucleotide sequences as determined by electron microscopy. Murti KG, et al. **Virology** 1982 Jan 15; 116(1):275–83

DNA structures induced by mini–Mu replication. Résibois A, et al. **Virology** 1982 Mar;117(2):329–40

Terminal rearrangements in the genome of adenovirus type 12 mutants adapted to growth in two human tumor cell lines. Schwarz E, et al. **Virology** 1982 Jan 15;116(1):284–96

Structure of protein–containing replicative intermediates of Bacillus subtilis phage phi 29 DNA. Sogo JM, et al. **Virology** 1982 Jan 15;116(1):1–18

The oncogenicity of avian adenoviruses. III. In situ DNA hybridization of tumor line cells localized a large number of a virocellular sequence in few chromosomes. Yasue H, et al. **Virology** 1982 Jan 15;116(1):99–115

Periodicities of dinucleotide self–information values in phi X174 DNA. Furlong NB, et al. **Z Naturforsch [C]** 1982 Mar–Apr;37(3–4):321–5

Partial denaturation mapping of phage T4 DNA at low temperature. Grossi GF, et al. **Z Naturforsch [C]** 1981 Nov–Dec;36(11–12):980–7

[Detection and mapping of conserved nucleotidic sequences between the genomes of human papillomavirus 1 a and bovine papillomavirus 1 by electron microscope heteroduplex analysis (author's transl)] Croissant O, et al. **C R Seances Acad Sci [III]** 1982 Mar 22;294(12):581–6 (Eng. Abstr.) (Fre)

[DNA condensation by spermidine. Photon correlation spectroscopy study] Eremenko SI, et al. **Biofizika** 1981 Jul–Aug;26(4):726–7 (Eng. Abstr.) (Rus)

[Analysis of structural divergence of H1N1 serotype influenza virus individual genes] Shilov AA, et al. **Mol Biol (Mosk)** 1981 Nov–Dec;15(6):1371–84 (Eng. Abstr.) (Rus)

[Bacteriophage P22 DNA structure in situ] Skliadneva VB, et al. **Mol Biol (Mosk)** 1981 Jan–Feb;15(1):208–19 (Eng. Abstr.) (Rus)

[Physical mapping of Streptomyces coelicolor A3(2). V. Structural modifications of actinophage phiC43 DNA molecules] Sladkova IA, et al. **Mol Biol (Mosk)** 1981 Sep–Oct;15(5):1051–8 (Eng. Abstr.) (Rus)

[Circular permutation of DNA molecules of Streptomyces griseus Kr actinophage Pg2] Sladkova IA. **Mol Biol (Mosk)** 1982 Jan–Feb;16(1):98–103 (Eng. Abstr.) (Rus)

[Modeling chronic infection in a T–lymphocyte–Venezuelan equine encephalomyelitis virus system] Drynov ID, et al. **Vopr Virusol** 1981 Sep–Oct;(5):572–4 (Eng. Abstr.) (Rus)

ANALYSIS

Presence of Epstein–Barr virus DNA in tonsillar tissues. Břicháček B, et al. **Acta Virol (Praha)** 1981 Nov; 25(6):361–70

DNA of bovine herpesvirus type 1 in the trigeminal ganglia of latently infected calves. Ackermann M, et al. **Am J Vet Res** 1982 Jan;43(1):36–40

Biological and biochemical investigations on five European isolates of Mamestra brassica nuclear polyhedrosis virus. Brown DA, et al. **Arch Virol** 1981;69(3–4):209–17

The genome of orf virus: restriction endonuclease analysis of viral DNA isolated from lesions of orf in sheep. Robinson AJ, et al. **Arch Virol** 1982;71(1):43–55

Analysis of a restriction endonuclease map for bovine papillomavirus type 2 DNA. Potter HL, et al. **Biosci Rep** 1981 Mar;1(3):229–34

Restriction fragment analysis for differentiation of indistinguishable temperate coliphages. Dhillon TS, et al. **Can J Microbiol** 1982 Jan;28(1):141–4

Evidence for supercoiled hepatitis B virus DNA in chimpanzee liver and serum Dane particles: possible implications in persistent HBV infection. Ruiz–Opazo N, et al. **Cell** 1982 May;29(1):129–36

Infectivity and methylation of retroviral genomes is correlated with expression in the animal. Stuhlmann H, et al. **Cell** 1981 Oct;26(2 Pt 2):221–32

Restriction endonuclease cleavage of DNA obtained from herpes simplex isolates of two patients with bilateral herpetic disease. Gerdes JC, et al. **Curr Eye Res** 1981; 1(6):357–60

Poxvirus DNA. Holowczak JA. **Curr Top Microbiol Immunol** 1982;97:27–79 (264 ref.)

Expression of xenotropic murine leukemia viruses. Morse HC 3d, et al. **Curr Top Microbiol Immunol** 1982;98:17–26 (29 ref.)

Restriction mapping of the DNA of the Streptomyces temperate phage phi C31 and its derivatives. Chater KF, et al. **Gene** 1981 Aug;14(3):183–94

Human nucleotide sequences related to the transforming gene of a murine sarcoma virus: studies with cloned viral and cellular DNAs. Chumakov IM, et al. **Gene** 1982 Jan; 17(1):19–26

Characterization of coliphage lambda hybrids carrying DNA fragments from Herpes simplex virus type 1 defective interfering particles. Denniston KJ, et al. **Gene** 1981 Dec; 15(4):365–78

Two–dimensional display of lambda and Escherichia coli restriction fragments separated by Hg–Cs2SO4 centrifugation and gel electrophoresis. Yamagishi H, et al. **Gene** 1981 Sep;14(4):251–62

Nucleotide sequence of the major early region of bacteriophage phi 29. Yoshikawa H, et al. **Gene** 1982 Mar; 17(3):323–35

Hepatitis B virus DNA in the sera of HBsAg carriers: a marker of active hepatitis B virus replication in the liver. Bonino F, et al. **Hepatology** 1981 Sep–Oct;1(5):386–91

Identification of integrated hepatitis B virus DNA sequences in human hepatocellular carcinomas. Shafritz DA, et al. **Hepatology** 1981 Jan–Feb;1(1):1–8

Kaposi's sarcoma. IV. Detection of CMV DNA, CMV RNA and CMNA in tumor biopsies. Boldogh I, et al. **Int J Cancer** 1981 Oct 15;28(4):469–74

Detection of Epstein–Barr viral DNA internal repeats in the nasopharyngeal mucosa of Chinese with IgA/EBV–specific antibodies. Desgranges C, et al. **Int J Cancer** 1982 Jan 15;29(1):87–91

Analysis of human genital warts (condylomata acuminata) and other genital tumors for human papillomavirus type 6 DNA. Gissmann L, et al. **Int J Cancer** 1982 Feb 15; 29(2):143–6

Association of Epstein–Barr virus with nasopharyngeal carcinoma in Alaskan native patients: serum antibodies and tissue EBNA and DNA. Lanier AP, et al. **Int J Cancer** 1981 Sep 15;28(3):301–5

Lack of association between BK virus and ependymomas, malignant tumors of pancreatic islets, osteosarcomas and other human tumors. Grossi MP, et al. **Intervirology** 1981; 15(1):10–17

Evidence for papillomavirus genus–specific antigens and DNA in laryngeal papilloma. Lancaster WD, et al. **Intervirology** 1981;15(4):204–12

Characteristics of BK papovavirus DNA prepared directly from human urine. Mew RT, et al. **Intervirology** 1981; 16(1):14–9

Comparison of ethidium bromide and 4'6–diamidino–2–phenylindole as quantitative fluorescent stains for DNA in agarose gels. Nairn RS, et al. **J Biochem Biophys Methods** 1982 Jun;6(2):95–103

Phasing of nucleosomes in SV40 chromatin reconstituted in vitro. Hiwasa T, et al. **J Biochem (Tokyo)** 1981 May; 89(5):1375–89

Temperate coliphage HK022: virions, DNA, one–step growth, attachment site, and the prophage genetic map. Dhillon TS. **J Gen Virol** 1981 Aug;55(Pt 2):487–92

Persistence and expression of Marek's disease virus DNA in tumour cells and peripheral nerves studied by in situ hybridization. Ross NL, et al. **J Gen Virol** 1981 Dec;57(Pt 2):285–96

The distribution of guanine–cytosine pairs in adenovirus DNAs. Tikchonenko TI, et al. **J Gen Virol** 1981 Jun;54(Pt 2):425–9

Analysis of the genome of equine herpesvirus type 1: arrangement of cleavage sites for restriction endonucleases EcoRI, BglII and BamHI. Whalley JM, et al. **J Gen Virol** 1981 Dec;57(Pt 2):307–23

Studies on egg drop syndrome (EDS) and chick embryo lethal orphan (CELO) avian adenovirus DNAs by restriction endonucleases. Zsák L, et al. **J Gen Virol** 1981 Sep;56(Pt 1):87–95

Restriction endonuclease analysis of the DNA from varicella–zoster virus: stability of the DNA after passage in vitro. Zweerink HJ, et al. **J Gen Virol** 1981 Jul;55(Pt 1):207–11

An assay for the detection of the DNA genome of hepatitis B virus in serum. Berninger M, et al. **J Med Virol** 1982; 9(1):57–68

Detection of hepatitis B virus DNA sequences in infected hepatocytes by in situ cytohybridisation. Gowans EJ, et al. **J Med Virol** 1981;8(1):67–78

The persistence of papovavirus BK DNA sequences in normal human renal tissue. Heritage J, et al. **J Med Virol** 1981;8(2):143–50

Analysis of hepatitis virus DNA in the liver and serum of HBe antigen positive chimpanzee carriers. Monjardino J, et al. **J Med Virol** 1982;9(3):189–99

Integration and transcription of group C human adenovirus sequences in the DNA of five lines of transformed rat cells. Green M, et al. **J Mol Biol** 1981 Sep 25;151(3):337–66

Sequence homology between avian and human adenoviruses. Alestrom P, et al. **J Virol** 1982 Apr;42(1):306–10

DNA sequence relationship of the baboon endogenous virus genome to the genomes of other type C and type D retroviruses. Cohen M, et al. **J Virol** 1982 Mar;41(3):801–12

Restriction enzyme mapping of vaccinia virus DNA. DeFilippes FM. **J Virol** 1982 Jul;43(1):136–49

Specifically unmethylated cytidylic–guanylate sites in Herpesvirus saimiri DNA in tumor cells. Desrosiers RC. **J Virol** 1982 Aug;43(2):427–35

Herpesvirus saimiri strain variability. Desrosiers RC, et al. **J Virol** 1982 Jul;43(1):352–6

Herpesvirus saimiri DNA in tumor cells--deleted sequences and sequence rearrangements. Desrosiers RC. **J Virol** 1981 Aug;39(2):497–509

Integrated adenovirus type 12 DNA in the transformed hamster cell line T637: sequence arrangements at the termini of viral DNA and mode of amplification. Eick D, et al. **J Virol** 1982 Apr;42(1):317–21

Viral gene products in adenovirus type-2 transformed hamster cells. Esche H. **J Virol** 1982 Mar;41(3):1076–82

Methylation and amplification of mouse mammary tumor virus DNA in normal, premalignant, and malignant cells of GR/A mice. Fanning TG, et al. **J Virol** 1982 Mar; 41(3):1007–13

DNA of herpesvirus pan, a third member of the Epstein–Barr virus–Herpesvirus papio group. Heller M, et al. **J Virol** 1982 Mar;41(3):931–9

Ecotropic murine leukemia virus DNA content of normal and lymphomatous tissues of BXH–2 recombinant inbred mice. Jenkins NA, et al. **J Virol** 1982 May;42(2):379–88

Structure of replicating herpes simplex virus DNA. Jongeneel CV, et al. **J Virol** 1981 Aug;39(2):656–60

Comparison of the restriction endonuclease maps of unintegrated proviral DNAs from four xenotropic murine leukemia viruses. Joseph DR. **J Virol** 1981 Dec; 40(3):963–70

Restriction endonuclease and nucleotide sequence analyses of molecularly cloned unintegrated avian tumor virus DNA: structure of large terminal repeats in circle junctions. Katz RA, et al. **J Virol** 1982 Apr;42(1):346–51

Bacteriophage T4 alc gene product: general inhibitor of transcription from cytosine-containing DNA. Kutter EM, et al. **J Virol** 1981 Dec;40(3):822–9

Detection and cloning of murine leukemia virus–related sequences from African green monkey liver DNA. Martin MA, et al. **J Virol** 1981 Sep;39(3):835–44

Mammary tumor virus proviral DNA in normal murine tissue and non-virally induced mammary tumors. Michalides R, et al. **J Virol** 1981 Aug;39(2):367–76

Unintegrated viral DNA sequences in a hamster tumor induced by bovine papilloma virus. Moar MH, et al. **J Virol** 1981 Sep;39(3):945–9

Genome analysis of MG virus, a human papovavirus. Pater MM, et al. **J Virol** 1981 Sep;39(3):968–72

Identification of a unique mouse mammary tumor virus in the BALB/cNIV mouse strain. Puma JP, et al. **J Virol** 1982 Jul;43(1):158–65

New physical map of bacteriophage T5 DNA. Rhoades M. **J Virol** 1982 Aug;43(2):566–73

Electron microscopic study of equine herpesvirus type 1 DNA. Ruyechan WT, et al. **J Virol** 1982 Apr;42(1):297–300

Structure of varicella–zoster virus DNA. Straus SE, et al. **J Virol** 1981 Nov;40(2):516–25

Lack of AKR ecotropic provirus amplification in AKR leukemic thymuses. Yoshimura FK, et al. **J Virol** 1981 Sep; 39(3):808–15

Nucleotide sequence of a cloned cDNA copy of TMV (cowpea strain) RNA, including the assembly origin, the coat protein cistron, and the 3' non-coding region. Meshi T, et al. **MGG** 1981;184(1):20–5

Absence of a protein constituent and occurrence of an oversized DNA genome in a high density mutant particle of phage P22. Mise K. **MGG** 1981;184(1):26–32

A new type of IS1-mediated deletion. Sommer H, et al. **MGG** 1981;184(2):300–7

The origin of the DNA in transducing particles of bacteriophage Mu: density gradient analyses of DNA. Teifel J, et al. **MGG** 1981;184(2):312–3

Restriction endonuclease analysis of the genomes of virulent and avirulent Marek's disease viruses. Hirai K, et al. **Microbiol Immunol** 1981;25(7):671–81

Characterization of two inducible bacteriophages, alpha 1 and alpha 2, isolated from Clostridium botulinum type A 190L and their deoxyribonucleic acids. Kinouchi T, et al. **Microbiol Immunol** 1981;25(9):915–27

Grouping of adenoviruses and identification of restriction endonuclease cleavage patterns of adenovirus DNAs using infected cell DNA: simple and practical methods. Suzuki N, et al. **Microbiol Immunol** 1981;25(12):1291–301

Evidence that hepatitis B virus has a role in liver–cell carcinoma in alcoholic liver disease. Bréchot C, et al. **N Engl J Med** 1982 Jun 10;306(23):1384–7

A very small porcine virus with circular single-stranded DNA. Tischer I, et al. **Nature** 1982 Jan 7;295(5844):64–6

Organization of proviral DNA and protein composition of hormonally stimulated C57Bl/10 strain-associated mouse mammary tumor virus. Svec J, et al. **Neoplasma** 1981; 28(6):647–59

DNA packing in the filamentous viruses fd, Xf, Pf1 and Pf3. Casadevall A, et al. **Nucleic Acids Res** 1982 Apr 10; 10(7):2467–81

The nucleotide sequence of the replication origin of plasmid NTP1. Grindley JN, et al. **Nucleic Acids Res** 1981 Sep 11;9(17):4355–66

The endogenous proviral mouse mammary tumor virus genes of the GR mouse are not identical and only one corresponds to the exogenous virus. Herrlich P, et al. **Nucleic Acids Res** 1981 Oct 10;9(19):4981–95

Deoxyribonuclease II as a probe to sequence-specific chromatin organization: preferential cleavage in the 72 bp modulator sequence of SV40 minichromosome. Shakhov AN, et al. **Nucleic Acids Res** 1982 Jul 10;10(13):3951–65

Evidence that adenovirus type 2 can infect human placenta in vitro. Freund E, et al. **Placenta** 1981 Jul–Sep;2(3):265–70

Herpes simplex type 1 DNA in human brain tissue. Fraser NW, et al. **Proc Natl Acad Sci USA** 1981 Oct;78(10):6461–5

Episomal simian virus 40 genomes in human brain tumors. Krieg P, et al. **Proc Natl Acad Sci USA** 1981 Oct; 78(10):6446–50

Human papillomavirus DNA in cutaneous primary and metastasized squamous cell carcinomas from patients with epidermodysplasia verruciformis. Ostrow RS, et al. **Proc Natl Acad Sci USA** 1982 Mar;79(5):1634–8

Detection of viral capsid–DNA complexes. Serwer P, et al. **Prog Clin Biol Res** 1981;64:231–8

Enhanced tumorigenicity and hepatitis B virus genes in a human hepatoma cell line injected into immunosuppressed nude mice. Shouval D, et al. **Trans Assoc Am Physicians** 1981;94:154–64

Molecular cloning and partial nucleotide sequence of human papillomavirus type 1a DNA. Clad A, et al. **Virology** 1982 Apr 15;118(1):254–9

Presence and state of woodchuck hepatitis virus DNA in liver and serum of woodchucks: further analogies with human hepatitis B virus. Dejean A, et al. **Virology** 1982 Aug;121(1):195–9

Avian lymphoid leukosis virus infection and DNA integration in the preleukotic bursal tissues: a comparative study of susceptible and resistant lines. Fung YK, et al. **Virology** 1982 Jun;119(2):411–21

Shifts in the extent and patterns of DNA methylation upon explanation and subcultivation of adenovirus type 12–induced hamster tumor cells. Kuhlmann I, et al. **Virology** 1982 Apr 15;118(1):169–80

Mouse mammary tumor virus DNA sequences in tumorigenic and nontumorigenic cells from a mammary adenocarcinoma. Morris VL, et al. **Virology** 1982 Apr 15; 118(1):117–27

Characterization of bacteriophage phi 42 DNA. Moynet DJ, et al. **Virology** 1982 Mar;117(2):475–84

Analysis of restriction endonuclease fragments of intracellular Epstein–Barr virus DNA and isoenzymes indicate a common origin of the Raji, NC–37, and F–265 human lymphoid cell lines. Rymo L, et al. **Virology** 1981 Nov;115(1):115–24

Plasmid–bacteriophage recombination. II. Density transfer analysis. Smith RD, et al. **Virology** 1982 Jun;119(2):439–49

[Detection of reverse transcriptase and virus derived DNA in Shay's granulocytic sarcoma cells (author's transl)] Suzuki K, et al. **Nippon Ketsueki Gakkai Zasshi** 1981 Nov; 44(6):1107–16 (Eng. Abstr.) **(Jpn)**

[Biological properties and DNA nucleotide makeup of Pseudomonas bacteriophages] Kul'ba AM, et al. **Mikrobiologiia** 1981 May–Jun;50(3):536–42 (Eng. Abstr.) **(Rus)**

[Structural organization of human simian virus 40 chromosomes. I. Heterogeneity and composition of nuclear DNA–protein complexes at different stages of lytic infection] Bakaev VV, et al. **Mol Biol (Mosk)** 1981 Jul–Aug;15(4):939–49 (Eng. Abstr.) **(Rus)**

[Effect of nuclease S1 on DNA of the highly oncogenic simian adenovirus SA7(C8)] Zavizion BA, et al. **Mol Biol (Mosk)** 1982 May–Jun;16(3):569–74 (Eng. Abstr.) **(Rus)**

[Oncogen localization in the DNA composition of simian adenoviruses. II. The identification in SV20 virus DNA of a specific fragment possessing transforming activity] Parkhomenko II, et al. **Tsitologiia** 1981 Sep;23(9):1026–30 (Eng. Abstr.) **(Rus)**

[Localization of hexone-encoding gene in the genomes of simian adenoviruses] Vilnis AE, et al. **Vestn Akad Med Nauk SSSR** 1981;(9):88–94 (Eng. Abstr.) **(Rus)**

[Chronic tick-bone encephalitis virus infection in continuous human lymphocyte lines studied by molecular hybridization] Drynov ID, et al. **Vopr Virusol** 1982 Jan–Feb;(1):38–41 (Eng. Abstr.) **(Rus)**

[Physicochemical and biological properties of the DNA of virulent and temperate Erwinia carotovora phages] Kishko IaG, et al. **Vopr Virusol** 1982 Jan–Feb;(1):64–9 (Eng. Abstr.) **(Rus)**

[Restriction endonuclease study of interstrain differences in the DNA of herpes simplex virus type 1] Senkevich TG, et al. **Vopr Virusol** 1981 Nov–Dec;(6):753–7 (Eng. Abstr.) **(Rus)**

ANTAGONISTS & INHIBITORS

[Inhibition of hepatitis B virus associated DNA polymerase by antiviral agents: in vitro studies with clinical implications (author's transl)] Hess G, et al. **Z Gastroenterol** 1981 Jul;19(7):338–44 (Eng. Abstr.) **(Ger)**

BIOSYNTHESIS

Complete in vitro replication of SV40 DNA and chromatin in saponin–treated permeable cells. Oda T, et al. **Acta Med Okayama** 1981 Apr;35(2):149–54

Acyclovir inhibition of viral DNA chain elongation in herpes simplex virus–infected cells. McGuirt PV, et al. **Am J Med** 1982 Jul 20;73(1A):67–71

Selective inhibition of herpesvirus deoxyribonucleic acid synthesis by acycloguanosine, 2'–fluoro–5–iodo–aracytosine, and (E)–5–(2–bromovinyl)–2'–deoxyuridine. Larsson A, et al. **Antimicrob Agents Chemother** 1981 May;19(5):927–9

Demonstration of primer stimulated DNA synthesis by soluble reverse transcriptase. Hallinan FM, et al. **Arch Virol** 1981;70(3):285–9

Effects of aphidicolin on retrovirus DNA synthesis in vivo. Hagino–Yamagishi K, et al. **Biochem Biophys Res Commun** 1981 Oct 30;102(4):1372–8

Carcinogen–mediated induction of SV40 DNA synthesis in SV40 transformed Chinese hamster embryo cells. Lavi S, et al. **Carcinogenesis** 1981;2(5):417–23

The remarkable instability of replication loops provides a general method for the isolation of origins of DNA replication. Zannis–Hadjopoulos M, et al. **Cell** 1981 Nov; 27(1 Pt 2):155–63

Replication of herpesvirus DNA. Ben–Porat T. **Curr Top Microbiol Immunol** 1981;91:81–107 (99 ref.)

Replication signals in prokaryotic DNA. Hobom G. **Curr Top Microbiol Immunol** 1981;94–95:93–142 (381 ref.)

The influence of DNA gyrase on the transcription of linear DNA in vitro. Shmerling ZhG, et al. **FEBS Lett** 1982 Apr 19;140(2):260–2

Structural and functional studies of the Friend spleen focus–forming virus: structural relationship of SFFV to dualtropic viruses and molecular cloning of a biologically active subgenomic fragment of SFFV DNA. Evans LH, et al. **Hamatol Bluttransfus** 1981;26:472–8

Reverse transcriptase associated with avian sarcoma–leukosis viruses. III. Influence of primer chain length on the initiation of DNA synthesis. Fukui T, et al. **J Biochem (Tokyo)** 1982 Jan;91(1):331–9

Separate requirements for leading and lagging strand DNA synthesis during phi X A protein–dependent RF goes to RF DNA replication in vitro. Reinberg D, et al. **J Biol Chem** 1981 Dec 25;256(24):13143–51

Ultrastructural localization of cytomegalovirus DNA synthesis in infected guinea–pig cells. Fong CK. **J Gen Virol** 1982 Jun;60(Pt 2):235–45

Effect of novobiocin and other DNA gyrase inhibitors on virus replication and DNA synthesis in herpes simplex virus type 1–infected BHK cells. Francke B, et al. **J Gen Virol** 1981 Feb;52(Pt 2):401–4

Kinetics of inhibition of papovavirus DNA synthesis by superinfection with adenovirus 2 and non–defective adenovirus 2–simian virus 40 hybrid viruses. Patch CT, et al. **J Gen Virol** 1981 Aug;55(Pt 2):355–65

Effect of 2–deoxy–D–glucose on cytomegalovirus–induced DNA synthesis in human fibroblasts. Radsak KD, et al. **J Gen Virol** 1981 Nov;57(Pt 1):33–42

Initiation of sequential packaging of bacteriophage P22 DNA. Casjens S, et al. **J Mol Biol** 1982 May 15; 157(2):287–98

DNA synthesis and template activity in a mutant of polyoma virus with altered expression of late viral proteins. Blackburn C, et al. **J Virol** 1981 Oct;40(1):142–9

Semiconservative DNA replication is initiated at a single site in recombination–deficient gene 32 mutants of bacteriophage T4. Dannenberg R, et al. **J Virol** 1981 Dec; 40(3):890–900

Inhibitory effect of E–5–(2–bromovinyl)–1–beta–D–arabinofuranosyluracil on herpes simplex virus replication and DNA synthesis. Descamps J, et al. **J Virol** 1982 Jul;43(1):332–6

Synthesis of murine leukemia viral DNA in vitro: evidence for plus–strand DNA synthesis at both ends of the genome. DesGroseillers L, et al. **J Virol** 1982 Apr;42(1):326–30

Resistance of adenoviral DNA replication to aphidicolin is dependent on the 72–kilodalton DNA–binding protein. Foster DA, et al. **J Virol** 1982 Aug;43(2):679–86

Products of reverse transcription in avian retrovirus analyzed by electron microscopy. Junghans RP, et al. **J Virol** 1982 Aug;43(2):544–54

Mechanism of replication of bacteriophage phi X174 XIX. Initiation of phi X174 viral strand DNA synthesis at internal sites on the genome. Matthes M, et al. **J Virol** 1982 Apr;42(1):301–5

Isolation and preliminary characterization of amber mutants of bacteriophage phi W–14 defective in DNA synthesis. Miller PB, et al. **J Virol** 1982 Jul;43(1):67–72

Discontinuous synthesis of both strands at the growing fork during polyoma DNA replication in vitro. Närkhammar–Meuth M, et al. **J Virol** 1981 Jul;39(1):11–20

Both strands of polyoma DNA are replicated discontinuously with ribonucleotide primers in vivo. Närkhammar–Meuth M, et al. **J Virol** 1981 Jul;39(1):21–30

Replication of simian virus 40 DNA in normal human fibroblasts and in fibroblasts from xeroderma pigmentosum. Ozer HL, et al. **J Virol** 1981 Aug;39(2):481–9

phi X174–directed DNA and protein syntheses in infected minicells. Reeve JN. **J Virol** 1981 Nov;40(2):396–402

Mutant of simian virus 40 large T–antigen that is defective for viral DNA synthesis, but competent for transformation of cultured rat cells. Stringer JR. **J Virol** 1982 Jun; 42(3):854–64

Structure of a replication intermediate in the synthesis of Rous sarcoma virus DNA in vivo. Swanstrom R, et al. **J Virol** 1982 Apr;42(1):337–41

Distribution of replicating simian virus 40 DNA in intact cells and its maturation in isolated nuclei. Tapper DP, et al. **J Virol** 1982 Mar;41(3):877–92

Synthesis of deoxythymidylate and the unusual

deoxynucleotide in mature DNA of Bacillus subtilis bacteriophage SP10 occurs by postreplicational modification of 5-hydroxymethyldeoxyuridylate. Witmer H. **J Virol** 1981 Aug;39(2):536-47

An electrophoretic method for the detection of replicating, supercoiled simian virus 40 DNA. Friedrich TD, et al. **J Virol Methods** 1980;1(4):235-9

Enzymatic synthesis of bacteriophage fd viral DNA. Meyer TF, et al. **Nature** 1982 Apr 29;296(5860):828-32

5-Azacytidine induction of mouse endogenous type C virus and suppression of DNA methylation. Niwa O, et al. **Proc Natl Acad Sci USA** 1981 Oct;78(10):6290-4

Initiation of DNA replication at the primary origin of bacteriophage T7 by purified proteins: requirement for T7 RNA polymerase. Romano LJ, et al. **Proc Natl Acad Sci USA** 1981 Jul;78(7):4107-11

Enzyme studies of phi X174 DNA replication. Arai K, et al. **Prog Nucleic Acid Res Mol Biol** 1981;26:9-32

Studies on polylysogens containing lambda N- cI- prophages. I. Control of synthesis and maintenance of a large number of integrated lambda genomes. Chattopadhyay DJ, et al. **Virology** 1982 Apr 30; 118(2):439-47

The effect of a temperature-sensitive lesion in the alkaline DNase of herpes simplex virus type 2 on the synthesis of viral DNA. Francke B, et al. **Virology** 1982 Jan 15; 116(1):116-27

Visna DNA synthesis and the tempo of infection in vitro. Haase AT, et al. **Virology** 1982 Jun;119(2):399-410

Effects of 12-O-tetradecanoyl-phorbol-13-acetate on cell proliferation and Epstein-Barr virus DNA replication. Lin JC, et al. **Virology** 1982 Feb;117(1):186-94

Control of circularization of bacteriophage P1 DNA in Escherichia coli. Segev N, et al. **Virology** 1981 Oct 30; 114(2):333-42

The synthesis of coliphage T1 DNA: studies on the roles of T1 genes 1, 2, and 4. Walling L, et al. **Virology** 1981 Oct 30;114(2):309-18

[Possible formation of Venezuelan equine encephalomyelitis DNA-provirus in tissue culture cells] Uryvaev LV, et al. **Vopr Virusol** 1981 Sep-Oct;(5):567-71 (Eng. Abstr.) **(Rus)**

BLOOD

The detection of HBV-DNA in serum by molecular hybridisation: a more sensitive method for the detection of complete HBV particles. Weller IV, et al. **J Med Virol** 1982;9(4):273-80

GENETICS

Microinjection of nucleic acids into cultured mammalian cells by electrophoresis. Ocho M, et al. **Acta Med Okayama** 1981 Nov;35(5):381-4

Long-term preservation of transfecting activity of avian sarcoma proviral DNA. Ogura H, et al. **Acta Med Okayama** 1981 Nov;35(5):377-9

Transformation of rat fibroblasts by cloned defective polyoma DNA. Parent C, et al. **Arch Int Physiol Biochim** 1981 Sep;89(3):225-33

Circular forms of viral DNA in Marek's disease virus-transformed lymphoblastoid cells. Rziha HJ, et al. **Arch Virol** 1982;72(3):211-6

Structure of chromatin at deoxyribonucleic acid replication forks: prenucleosomal deoxyribonucleic acid is rapidly excised from replicating simian virus 40 chromosomes by micrococcal nuclease. Cusick ME, et al. **Biochemistry** 1981 Nov 10;20(23):6648-58

Mechanism of ribonucleic acid chain initiation. Molecular pulse-labeling study of ribonucleic acid syntheses on T7 deoxyribonucleic acid template. Shimamoto N, et al. **Biochemistry** 1981 Aug 4;20(16):4745-55

Construction of gapped circular DNA from phage M13 by in vitro hybridization. Courage-Tebbe U, et al. **Biochim Biophys Acta** 1982 Apr 26;697(1):1-5

Rapid inactivation of bacteriophage T7 by ascorbic acid is repairable. Richter HE, et al. **Biochim Biophys Acta** 1982 Apr 26;697(1):25-30

Determination of nucleotide sequences in DNA. Sanger F. **Biosci Rep** 1981 Jan;1(1):3-18 (38 ref.)

Organization and expression of endogenous virus-like (VL30) DNA sequences in nontransformed and chemically transformed mouse embryo cells in culture. Courtney MG, et al. **Cancer Res** 1982 Feb;42(2):569-76

Incompletely base-paired flip-flop terminal loops link the two DNA strands of the vaccinia virus genome into one uninterrupted polynucleotide chain. Baroudy BM, et al. **Cell** 1982 Feb;28(2):315-24

Cloning and characterization of the integrated viral DNA from three lines of SV40-transformed mouse cells. Clayton CE, et al. **Cell** 1981 Aug;25(2):547-59

Replication of viral DNA sequences integrated within the chromatin of SV40-transformed Chinese hamster lung cells. Marchionni MA, et al. **Cell** 1981 Oct;26(2 Pt 2):245-58

The TATA homology and the mRNA 5' untranslated sequence are not required for expression of essential adenovirus E1A functions. Osborne TF, et al. **Cell** 1982 May;29(1):139-48

Function of the retrovirus long terminal repeat. Temin HM. **Cell** 1982 Jan;28(1):3-5

Mammary tumor virus DNA contains sequences required for its hormone-regulated transcription. Ucker DS, et al. **Cell** 1981 Dec;27(2 Pt 1):257-66

Distinctive nucleotide sequences adjacent to multiple initiation and termination sites of an early vaccinia virus gene. Venkatesan S, et al. **Cell** 1981 Sep;25(3):805-13

Specificity of bacteriophage Mu integration into DNAs of different origins. Piruzian E, et al. **Cold Spring Harbor Symp Quant Biol** 1980;45 Pt 1:365-9

Genetics of Reovirus. Fields BN. **Curr Top Microbiol Immunol** 1981;91:1-24 (75 ref.)

Gene-specific probes for avian retroviruses. Spector DH. **Curr Top Microbiol Immunol** 1981;91:41-80 (226 ref.)

Consequences of viral genome integration in cultured cells by infection or recombinant DNA. Mussgay M. **Dev Biol Stand** 1981;50:3-11

Structure and expression of the hepatitis B virus genome. Wain-Hobson S, et al. **Dev Biol Stand** 1981;50:293-300

Specifically primed synthesis in vitro of full-length DNA complementary to potato-spindle-tuber viroid. Rohde W, et al. **Eur J Biochem** 1981 Aug;118(1):151-7

The interaction of the A and A* proteins of bacteriophage phi X174 with single-stranded and double-stranded phi X DNA in vitro. van der Ende A, et al. **Eur J Biochem** 1982 May 17;124(2):245-52

Tumorigenic activity of cloned polyoma virus DNA in newborn rats. Gélinas C, et al. **Experientia** 1981 Oct 15; 37(10):1074-5

Nucleotide sequence and genome organisation of filamentous bacteriophages f1 and fd. Beck E, et al. **Gene** 1981 Dec; 16(1-3):35-58

Cloning of bacteriophage T5 DNA fragments. III. Expression in Escherichia coli mini-cells. Brunel F, et al. **Gene** 1981 Dec;16(1-3):107-18

Mapping of the XhoI and SacI restriction sites on the bacteriophage T5 DNA. Davison J. **Gene** 1981 Dec; 16(1-3):97-8

Cloning of bacteriophage T5 DNA fragments. II. Isolation of recombinants carrying T5 PstI fragments. Davison J, et al. **Gene** 1981 Dec;16(1-3):99-106

Cloning of the complete human cytomegalovirus genome in cosmids. Fleckenstein B, et al. **Gene** 1982 Apr;18(1):39-46

Structure, stability, methylation, expression and glucocorticoid induction of endogenous and transfected proviral genes of mouse mammary tumor virus in mouse fibroblasts. Hynes NE, et al. **Gene** 1981 Dec;15(4):307-17

Molecular cloning of AKR xenotropic murine leukemia virus unintegrated proviral DNA. Joseph DR. **Gene** 1982 Mar; 17(3):341-4

Orientation of separated DNA strands of coliphage 186 relative to its genetic map. Kalionis B, et al. **Gene** 1981 Oct;15(1):95-8

SphI restriction map of bacteriophage lambda DNA. Kessler C, et al. **Gene** 1981 Dec;16(1-3):321-3

Physical and genetic organization of the IncN-group plasmid pCU1. Konarska-Kozlowska M, et al. **Gene** 1981 Aug; 14(3):195-204

The cloned EcoRI fragments of Autographa californica nuclear polyhedrosis virus DNA. Lübbert H, et al. **Gene** 1981 Dec;16(1-3):343-5

DNA sequence of the att region of coliphage 434. Mascarenhas D, et al. **Gene** 1981 Nov;15(2-3):151-6

Integration of foreign genome fragments into cells transformed or cotransformed with fragmented adenoviral DNA. Tikchonenko TI, et al. **Gene** 1981 Dec;15(4):349-59

The nucleotide sequence of the gene for protein IVa2 and of the 5' leader segment of the major late mRNAs of adenovirus type 5. van Beveren CP, et al. **Gene** 1981 Dec; 16(1-3):179-89

Electron microscopic mapping of RNA polymerase binding sites on SV40 DNA. Vogel F, et al. **Gene** 1981 Dec; 16(1-3):331-4

Restriction map of bacteriophage SP02: ordering the SacI fragments and identification of the DNA termini. Yoneda Y, et al. **Gene** 1982 Mar;17(3):345-7

Incorporation of bacteriophage DNA into the genome of cultured human lymphocytes. Wenger SL, et al. **In Vitro** 1981 Aug;17(8):695-700

Effects of prophages HPIcI & a defective prophage carried by Haemophilus influenza Rd on transfection by phage S2 DNA. Joshi VP, et al. **Indian J Exp Biol** 1981 Oct; 19(10):908-11

Identification of deoxyribonucleic acid restriction fragments of beta-converting corynebacteriophages that carry the gene for diphtheria toxin. Buck GA, et al. **J Bacteriol** 1981 Oct;148(1):153-62

Incorporation of E-5-(2-halovinyl)-2'-deoxyuridines into deoxyribonucleic acids of herpes simplex virus type 1-infected cells. Allaudeen HS, et al. **J Biol Chem** 1982 Jan 25;257(2):603-6

Bacteriophage lambda DNA packaging in vitro. The involvement of the lambda FI gene product, single-strand DNA, and a novel lambda-directed protein in the packaging reaction. Benchimol S, et al. **J Biol Chem** 1982 May 10;257(9):5201-10

Intermediate stages in enzymatic replication of bacteriophage fd duplex DNA. Geider K, et al. **J Biol Chem** 1982 Jun 10;257(11):6488-93

Bacteriophage SP6-specific RNA polymerase. II. Mapping of SP6 DNA and selective in vitro transcription. Kassavetis GA, et al. **J Biol Chem** 1982 May 25;257(10):5779-88

Synthesis of murine leukemia virus plus strong stop DNA initiates at a unique site. Mitra SW, et al. **J Biol Chem** 1982 Jun 10;257(11):5983-6

Photochemical cross-linking of the gene 5 protein.fd DNA complex from fd-infected cells. Paradiso PR, et al. **J Biol Chem** 1982 Feb 10;257(3):1462-7

Molecular mechanism of promoter selection in gene transcription. I. Development of a rapid mixing-photocrosslinking technique to study the kinetics of Escherichia coli RNA polymerase binding to T7 DNA. Park CS, et al. **J Biol Chem** 1982 Jun 25;257(12):6944-9

Ocular disease pattern induced by herpes simplex virus is genetically determined by a specific region of viral DNA. Centifanto-Fitzgerald YM, et al. **J Exp Med** 1982 Feb 1; 155(2):475-89

Molecular cloning of infectious DNA from human papovavirus BK in Escherichia coli. Akrigg A, et al. **J Gen Virol** 1981 Jul;55(Pt 1):247-52

The nature of the DNA associated with incomplete particles of adenovirus type 2. Khittoo G, et al. **J Gen Virol** 1981 Jun;54(Pt 2):343-55

Integrated shope virus DNA is present and transcribed in the transplantable rabbit tumour Vx-7. McVay P, et al. **J Gen Virol** 1982 Jun;60(Pt 2):271-8

A restriction map of bovine papillomavirus type-1 DNA. Morgan DM, et al. **J Gen Virol** 1981 Sep;56(Pt 1):213-7

Chromosome structure and DNA sequence alterations associated with mutation of transformed genes. Robins DM, et al. **J Mol Appl Gen** 1981;1(3):191-203

Poly(A) sites of adenovirus serotype 2 transcription units. Fraser NW, et al. **J Mol Biol** 1982 Mar 5;155(3):207-33

Physical evidence for early transcription in intracellular bacteriophage P2 DNA. Funnell BE, et al. **J Mol Biol** 1982 Jan 5;154(1):85-101

A derivative of Tn5 with direct terminal repeats can transpose. Hirschel BJ, et al. **J Mol Biol** 1982 Feb 25; 155(2):105-20

Bacteriophage P22 mutants that alter the specificity of DNA packaging. Jackson EN, et al. **J Mol Biol** 1982 Feb 5; 154(4):551-63

Maturation cleavage of bacteriophage P22 DNA in the absence of DNA packaging. Laski F, et al. **J Mol Biol** 1982 Feb 5;154(4):565-79

Sequence of lambda ric5b. Moore DD, et al. **J Mol Biol** 1982 Jan 5;154(1):81-3

DNA sequence of the tail fibre genes 36 and 37 of bacteriophage T4. Oliver DB, et al. **J Mol Biol** 1981 Dec 15;153(3):545-68

Genetic and physical mapping of the late region of bacteriophage T7 DNA by use of cloned fragments of T7 DNA. Studier FW, et al. **J Mol Biol** 1981 Dec 15; 153(3):503-25

The transforming sequences of avian myelocytomatosis virus (MC29). Lautenberger JA, et al. **J Supramol Struct Cell Biochem** 1981;16(2):193-207

Preferred sites of frameshift mutagenesis in AT- and GC-rich microbial DNA. Clarke CH. **J Theor Biol** 1982 Feb 7; 94(3):519-34

Organization of type C viral DNA sequences endogenous to baboons: analysis with cloned viral DNA. Battula N, et al. **J Virol** 1982 Feb;41(2):583-92

Intracellular DNA of the parvovirus minute virus of mice is organized in a minichromosome structure. Ben-Asher E, et al. **J Virol** 1982 Mar;41(3):1044-54

BK virus-transformed inbred hamster brain cells. I. Status of the viral DNA and the association of BK virus early antigens with purified plasma membranes. Beth E, et al. **J Virol** 1981 Oct;40(1):276-84

Colobus type C virus: molecular cloning of unintegrated viral DNA and characterization of the endogenous viral genomes of Colobus. Birkenmeier EH, et al. **J Virol** 1982 Mar;41(3):842-54

Cloning and characterization of an envelope-specific probe from xenotropic murine leukemia proviral DNA. Buckler CE, et al. **J Virol** 1982 Jan;41(1):228-36

Transfection of Escherichia coli spheroplasts with a bacteriophage Mu DNA-protein complex. Chase CD, et al. **J Virol** 1982 Apr;42(1):176-85

Characterization of reticuloendotheliosis virus strain T DNA and isolation of a novel variant of reticuloendotheliosis virus strain T by molecular cloning. Chen IS, et al. **J Virol** 1981 Dec;40(3):800-11

Fv-1 host restriction of Friend leukemia virus: analysis of unintegrated proviral DNA. Chinsky J, et al. **J Virol** 1981 Oct;40(1):45-55

Stability of polyoma DNA sequences and virus-coded proteins during tumor formation. Chowdhury K, et al. **J Virol** 1982 Mar;41(3):1000-6

Deletion analysis of the cloned replication origin region from bacteriophage M13. Cleary JM, et al. **J Virol** 1981 Oct; 40(1):197-203

Physical mapping of adenovirus type 2 temperature-sensitive mutations by restriction endonuclease analysis of interserotypic recombinants. D'Halluin JC, et al. **J Virol** 1982 Feb;41(2):401-13

Encapsidation and expression of the herpes thymidine kinase gene in polyoma virus. Dinces NB, et al. **J Virol** 1982 May; 42(2):691-9

Identification of a virus-specific polypeptide associated with a transforming fragment (BglII-N) of herpes simplex virus type 2 DNA. Docherty JJ, et al. **J Virol** 1981 Oct; 40(1):126-32

Endogenous type C retroviral sequences of mice are organized in a small number of virus-like classes and have

been acquired recently. Dolberg DS, et al. **J Virol** 1981 Oct;40(1):96–106

Varicella–zoster virus vaccine DNA differs from the parental virus DNA. Ecker JR, et al. **J Virol** 1981 Oct;40(1):314–8

Restriction endonuclease mapping of the proviral DNA of the exogenous RIII murine mammary tumor virus. Etkind PR, et al. **J Virol** 1982 Mar;41(3):855–67

Characterization of bacteriophage N3 DNA. Filipska ES, et al. **J Virol** 1981 Oct;40(1):133–41

Identification of proteins encoded by a fragment of herpes simplex virus type 2 DNA that has transforming activity. Galloway DA, et al. **J Virol** 1982 May;42(2):530–7

Transfection of fibroblasts by cloned Abelson murine leukemia virus DNA and recovery of transmissible virus by recombination with helper virus. Goff SP, et al. **J Virol** 1982 Jan;41(1):271–85

Sequence complexity of circular Epstein–Bar virus DNA in transformed cells. Griffin BE, et al. **J Virol** 1981 Oct; 40(1):11–9

Transformation of hamster kidney cells by fragments of BK virus DNA. Grossi MP, et al. **J Virol** 1982 Jan;41(1):319–25

Late events in T4 bacteriophage DNA replication. III. Specificity of DNA reinitiation as revealed by hybridization to cloned genetic fragments. Halpern M, et al. **J Virol** 1982 May;42(2):422–31

Characterization of proviruses cloned from mink cell focus–forming virus–infected cellular DNA. Khan AS, et al. **J Virol** 1982 Feb;41(2):435–48

Integration of Rous sarcoma virus DNA into chicken embryo fibroblasts: no preferred proviral acceptor site in the DNA of clones of singly infected transformed chicken cells. Lerner TL, et al. **J Virol** 1981 Nov;40(2):421–30

Mapping of the 5' termini of two adeno–associated virus 2 RNAs in the left half of the genome. Lusby EW, et al. **J Virol** 1982 Feb;41(2):518–26

Integration site of polyoma virus DNA in the inducible LPT line of polyoma–transformed rat cells. Mendelsohn E, et al. **J Virol** 1982 Jan;41(1):192–209

Conservation of protein coding potential in the long terminal repeats of exogenous and endogenous mouse mammary tumor viruses. Peters G, et al. **J Virol** 1982 Jun;42(3):880–8

Transcription of the hepatitis B surface antigen gene in mouse cells transformed with cloned viral DNA. Pourcel C, et al. **J Virol** 1982 Apr;42(1):100–5

mRNA– and DNA–directed synthesis of herpes simplex virus–coded exonuclease in Xenopus laevis oocytes. Preston CM, et al. **J Virol** 1982 Aug;43(2):386–94

Mobility of endogenous ecotropic murine leukemia viral genomes within mouse chromosomal DNA and integration of a mink cell focus–forming virus–type recombinant provirus in the germ line. Quint W, et al. **J Virol** 1982 Mar;41(3):901–8

Molecular cloning of B– and N–tropic endogenous BALB/c murine leukemia virus circular DNA intermediates: isolation and characterization of infectious recombinant clones. Rassart E, et al. **J Virol** 1981 Jul;39(1):162–71

DNA sequence of the 5' terminus containing the replication origin of parvovirus replicative form DNA. Rhode SL 3d, et al. **J Virol** 1982 Mar;41(3):990–9

Genome of reticuloendotheliosis virus: characterization by use of cloned proviral DNA. Rice NR, et al. **J Virol** 1982 Apr;42(1):237–52

Prereplicative events involving simian virus 40 DNA in permissive cells. Rinaldy A, et al. **J Virol** 1982 Jan; 41(1):237–43

Mapping the in vivo arrangement of nucleosomes on simian virus 40 chromatin by the photoaddition of radioactive hydroxymethyltrimethylpsoralen. Robinson GW, et al. **J Virol** 1982 Jan;41(1):78–87

Cloning and characterization of DNA complementary to the measles virus mRNA encoding hemagglutinin and matrix protein. Rozenblatt S, et al. **J Virol** 1982 Jun;42(3):790–7

Integration and expression of viral DNA in cells transformed by host range mutants of adenovirus type 5. Ruben M, et al. **J Virol** 1982 Feb;41(2):674–85

Spontaneous variation and synthesis in the U3 region of the long terminal repeat of an avian retrovirus. Shimotohno K, et al. **J Virol** 1982 Jan;41(1):163–71

Intramolecular integration within Moloney murine leukemia virus DNA. Shoemaker C, et al. **J Virol** 1981 Oct; 40(1):164–72

Cleavage maps for human cytomegalovirus DNA strain AD169 for restriction endonucleases EcoRI, BglII, and HindIII. Spector DH, et al. **J Virol** 1982 May;42(2):558–82

Construction of a cloned library of the EcoRI fragments from the human cytomegalovirus genome (strain AD169). Tamashiro JC, et al. **J Virol** 1982 May;42(2):547–57

Comparative restriction endonuclease maps of proviral DNA of the primate type C simian sarcoma–associated virus and gibbon ape leukemia virus group. Trainor CD, et al. **J Virol** 1982 Jan;41(1):298–308

Genetic and amber fragment maps of genes 46 and 47 of bacteriophage T4D. Wiberg JS, et al. **J Virol** 1981 Oct; 40(1):309–13

Colinearity of RNAs with the vaccinia virus genome: anomalies with two complementary early and late RNAs result from a small deletion or rearrangement within the inverted terminal repetition. Wittek R, et al. **J Virol** 1982 May;42(2):447–55

Two defective DNAs of human polyomavirus JC adapted to growth in human embryonic kidney cells. Yoshiike K, et al. **J Virol** 1982 May;42(2):395–401

Identification of a DNA fragment from a molecularly cloned mink cell focus–inducing murine leukemia virus specific for xenotropic virus–related sequences. Yoshimura FK. **J Virol** 1982 Jul;43(1):348–51

Restriction enzyme analysis of herpesvirus DNA: stability of restriction endonuclease patterns [letter] Roizman B, et al. **Lancet** 1982 Mar 20;1(8273):677

Procedures for studying transcription and translation of viral and host nucleic acids in interferon–treated cells. Joklik WK. **Methods Enzymol** 1981;79(Pt B):307–30

Cloning and expression of Bacillus subtilis phage SPP1 in E. coli. II. Expression of lambda/SPP1 hybrid phages in E. coli minicells. Amann EP, et al. **MGG** 1981; 182(2):299–303

Transcriptional termination sites in the b2 region of bacteriophage lambda that are unresponsive to antitermination. Burt DW, et al. **MGG** 1982;185(3):462–7

Physical mapping of bacteriophage T4. Niggemann E, et al. **MGG** 1981;184(2):289–99

Molecular cloning of the T4 genome: organization and expression of the tail fiber gene cluster 34—38. Revel HR. **MGG** 1981;182(3):445–55

Multiply branched replicative intermediates in E. coli and bacteriophage lambda. Valenzuela MS, et al. **MGG** 1981; 184(3):450–6

Activation of non–expressed bovine papilloma virus genomes by tumour promoters. Amtmann E, et al. **Nature** 1982 Apr 15;296(5858):675–7

Structure of the glycoprotein gene in rabies virus. Anilionis A, et al. **Nature** 1981 Nov 19;294(5838):275–8

Altered methylation of endogenous viral promoter sequences during mammary carcinogenesis. Breznik T, et al. **Nature** 1982 Jan 21;295(5846):255–7

Malignant transformation of human embryo retinoblasts by cloned adenovirus 12 DNA. Byrd P, et al. **Nature** 1982 Jul 1;298(5869):69–71

Cellular origin and role of mink cell focus–forming viruses in murine thymic lymphomas. Chattopadhyay SK, et al. **Nature** 1982 Jan 7;295(5844):25–31

Amplification of endogenous myc–related DNA sequences in a human myeloid leukaemia cell line. Collins S, et al. **Nature** 1982 Aug 12;298(5875):679–81

Expression of human hprt gene on the inactive X chromosome after DNA–mediated gene transfer. de Jonge AJ, et al. **Nature** 1982 Feb 18;295(5850):624–6

G inversion in bacteriophage Mu: a novel way of gene splicing. Giphart–Gassler M, et al. **Nature** 1982 May 27; 297(5864):339–42

Microinjection of cloned retroviral genomes into mouse zygotes: integration and expression in the animal. Harbers K, et al. **Nature** 1981 Oct 15–21;293(5833):540–2

lambda Repressor and cro––components of an efficient molecular switch. Johnson AD, et al. **Nature** 1981 Nov 19;294(5838):217–23 (73 ref.)

Long terminal repeats of endogenous mouse mammary tumour virus contain a long open reading frame which extends into adjacent sequences. Kennedy N, et al. **Nature** 1982 Feb 18;295(5850):622–4

Avian sarcoma virus Y73 genome sequence and structural similarity of its transforming gene product to that of Rous sarcoma virus. Kitamura N, et al. **Nature** 1982 May 20; 297(5863):205–8

Association between a transposed alpha–globin pseudogene and retrovirus–like elements in the BALB/c mouse genome. Lueders K, et al. **Nature** 1982 Feb 4; 295(5848):426–8

Persistence of non–integrated viral DNA in bovine cells transformed in vitro by bovine papillomavirus type 2. Moar MH, et al. **Nature** 1981 Oct 29;293(5835):749–51

Evolutionary selection for perfect hairpin structures in viral DNAs. Müller UR, et al. **Nature** 1982 Aug 5; 298(5874):582–5

Specific integration of REV proviruses in avian bursal lymphomas. Noori–Daloii MR, et al. **Nature** 1981 Dec 10; 294(5841):574–6

Human EJ bladder carcinoma oncogene is homologue of Harvey sarcoma virus ras gene. Parada LF, et al. **Nature** 1982 Jun 10;297(5866):474–8

Multiple arrangements of viral DNA and an activated host oncogene in bursal lymphomas. Payne GS, et al. **Nature** 1982 Jan 21;295(5846):209–14

Male and female mouse DNAs can be discriminated using retroviral probes. Phillips SJ, et al. **Nature** 1982 May 20; 297(5863):241–3

Nucleotide sequence of Moloney murine leukaemia virus. Shinnick TM, et al. **Nature** 1981 Oct 15–21;293(5833):543–8

Enhancing elements for activation of eukaryotic promoters [news] Yaniv M. **Nature** 1982 May 6;297(5861):17–8

Molecular cloning of the complete Epstein–Barr virus genome as a set of overlapping restriction endonuclease fragments. Arrand JR, et al. **Nucleic Acids Res** 1981 Jul 10;9(13):2999–3014

New procedure using a psoralen derivative for analysis of nucleosome associated DNA sequences in chromatin of living cells. Carlson JO, et al. **Nucleic Acids Res** 1982 Mar 25;10(6):2043–63

Nucleotide sequences of the murine retrovirus Friend SFFVp long terminal repeats: identification of a structure with extensive dyad symmetry 5' to the TATA box. Clark SP, et al. **Nucleic Acids Res** 1982 May 25;10(10):3315–30

Cloning and sequence of the crp gene of Escherichia coli K 12. Cossart P, et al. **Nucleic Acids Res** 1982 Feb 25; 10(4):1363–78

Characterisation of cauliflower mosaic virus DNA sequences which encode major polyadenylated transcripts. Covey SN, et al. **Nucleic Acids Res** 1981 Dec 21;9(24):6735–47

A small segment of polyoma virus DNA enhances the expression of a cloned beta–globin gene over a distance of 1400 base pairs. de Villiers J, et al. **Nucleic Acids Res** 1981 Dec 11;9(23):6251–64

Uncoupling of SV40 tsA replicon activation from DNA chain elongation by temperature shifts and aphidicolin arrest. Dinter–Gottlieb G, et al. **Nucleic Acids Res** 1982 Jan 22;10(2):763–73

A generalized method of subcloning DNA fragments by restriction site reconstruction: application to sequencing the amino–terminal coding region of the transforming gene of Gazdar murine sarcoma virus. Donoghue DJ, et al. **Nucleic Acids Res** 1982 Apr 24;10(8):2549–64

The complete nucleotide sequence of an infectious clone of cauliflower mosaic virus by M13mp7 shotgun sequencing. Gardner RC, et al. **Nucleic Acids Res** 1981 Jun 25; 9(12):2871–88

Mapping of in vitro transcription units and identification of primary transcripts of the D region of bacteriophage T4. Goldfarb A, et al. **Nucleic Acids Res** 1981 Jun 25; 9(12):2791–800

Nucleotide sequence of adenovirus 2 DNA fragment encoding for the carboxylic region of the fiber protein and the entire E4 region. Hérissé J, et al. **Nucleic Acids Res** 1981 Aug 25;9(16):4023–42

Nucleotide sequence of the bacteriophage T4 gene 57 and a deduced amino acid sequence. Herrmann R. **Nucleic Acids Res** 1982 Feb 11;10(3):1105–12

Fine mapping of secondary structures of fd phage DNA in the region of the replication origin. Huang CC, et al. **Nucleic Acids Res** 1981 Nov 11;9(21):5587–99

Adenovirus late sequences linked to herpes simplex virus thymidine kinase may be introduced into eukaryotic cells and transcribed. Inglis MM, et al. **Nucleic Acids Res** 1981 Nov 11;9(21):5569–85

Spliced and unspliced RNAs encoded by virion RNA segment 7 of influenza virus. Inglis SC, et al. **Nucleic Acids Res** 1981 Jun 25;9(12):2727–40

Comparison of the polyoma virus early and late promoters by transcription in vitro. Jat P, et al. **Nucleic Acids Res** 1982 Feb 11;10(3):871–87

Nucleotide sequence of the transforming early region E1b of adenovirus type 12 DNA: structure and gene organization, and comparison with those of adenovirus type 5 DNA. Kimura T, et al. **Nucleic Acids Res** 1981 Dec 11; 9(23):6571–89

Structure and organization of the gene coding for the DNA binding protein of adenovirus type 5. Kruijer W, et al. **Nucleic Acids Res** 1981 Sep 25;9(18):4439–57

The SV40 72 base repair repeat has a striking effect on gene expression both in SV40 and other chimeric recombinants. Moreau P, et al. **Nucleic Acids Res** 1981 Nov 25; 9(22):6047–68

Structure of the baboon endogenous virus genome: cloning of circular virus DNA in bacteriophage lambda. Noda M, et al. **Nucleic Acids Res** 1981 May 11;9(9):2173–85

Retrovirus–related sequences in human DNA: detection and cloning of sequences which hybridize with the long terminal repeat of baboon endogenous virus. Noda M, et al. **Nucleic Acids Res** 1982 May 11;10(9):2865–78

Secondary structure model for the complete simian virus 50 late precursor mRNA. Nussinov R, et al. **Nucleic Acids Res** 1982 Jan 11;10(1):351–63

A minimal mechanism for abortive initiation of transcription of T7 DNA. Smagowicz W, et al. **Nucleic Acids Res** 1981 Nov 11;9(21):5845–54

Effect of in vitro methylation at CpG sites on gene expression in a genome functioning autonomously in a vertebrate host. Subramanian KN. **Nucleic Acids Res** 1982 Jun 11; 10(11):3475–86

An adenovirus agnogene. Virtanen A, et al. **Nucleic Acids Res** 1982 Apr 24;10(8):2539–48

Nucleotide sequence analysis of the linked left and right hand terminal regions of adenovirus type 5 DNA present in the transformed rat cell line 5RK20. Visser L, et al. **Nucleic Acids Res** 1982 Apr 10;10(7):2189–98

DNA sequence of an immediate–early gene (IEmRNA–5) of herpes simplex virus type I. Watson RJ, et al. **Nucleic Acids Res** 1982 Feb 11;10(3):979–91

Estimation of phylogenetic relationships from DNA restriction patterns and selection of endonuclease cleavage sites. Adams J, et al. **Proc Natl Acad Sci USA** 1982 Jun; 79(11):3560–4

Inverted repeat nucleotide sequences in the genomes of Marek disease virus and the herpesvirus of the turkey. Cebrian J, et al. **Proc Natl Acad Sci USA** 1982 Jan; 79(2):555–8

Fate of viral DNA in nonpermissive cells infected with simian virus 40. Chia W, et al. **Proc Natl Acad Sci USA** 1981 Nov;78(11):6638–42

Baboon endogenous virus genome: molecular cloning and structural characterization of nondefective viral genomes from DNA of a baboon cell strain. Cohen M, et al. **Proc Natl Acad Sci USA** 1981 Aug;78(8):5207–11

Bovine papillomavirus vector that propagates as a plasmid in both mouse and bacterial cells. DiMaio D, et al. **Proc Natl Acad Sci USA** 1982 Jul;79(13):4030–4

Varicella zoster virus DNA exists as two isomers. Ecker JR,

et al. **Proc Natl Acad Sci USA** 1982 Jan;79(1):156–60

Identification of a RNA polymerase II initiation site in the long terminal repeat of Moloney murine leukemia viral DNA. Fuhrman SA, et al. **Proc Natl Acad Sci USA** 1981 Sep;78(9):5411–5

The genome of frog virus 3, an animal DNA virus, is circularly permuted and terminally redundant. Goorha R, et al. **Proc Natl Acad Sci USA** 1982 Jan;79(2):248–52

Posttranscriptional control of bacteriophage lambda gene expression from a site distal to the gene. Guarneros G, et al. **Proc Natl Acad Sci USA** 1982 Jan;79(2):238–42

Nuclear DNA from uninfected or potato spindle tuber viroid–infected tomato plants contains no detectable sequences complementary to cloned double-stranded viroid cDNA. Hadidi A, et al.
Proc Natl Acad Sci USA 1981 Nov;78(11):6932–5

DNA methylation and gene expression: endogenous retroviral genome becomes infectious after molecular cloning. Harbers K, et al. **Proc Natl Acad Sci USA** 1981 Dec;78(12):7609–13

Use of whole-cell fixation to visualize replicating and maturing simian virus 40: identification of new viral gene product. Jackson V, et al. **Proc Natl Acad Sci USA** 1981 Oct;78(10):6081–5

Leukemogenesis by bovine leukemia virus: proviral DNA integration and lack of RNA expression of viral long terminal repeat and 3' proximate cellular sequences. Kettmann R, et al. **Proc Natl Acad Sci USA** 1982 Apr; 79(8):2465–9

Viable deletions of the M13 complementary strand origin. Kim MH, et al. **Proc Natl Acad Sci USA** 1981 Nov; 78(11):6784–8

Synthesis of parvovirus H-1 replicative form from viral DNA by DNA polymerase gamma. Kollek R, et al.
Proc Natl Acad Sci USA 1981 Oct;78(10):6206–10

Biological activity of cloned retroviral DNA in microinjected cells. Kopchick JJ, et al. **Proc Natl Acad Sci USA** 1981 Jul;78(7):4383–7

Carcinogen-mediated amplification of viral DNA sequences in simian virus 40–transformed Chinese hamster embryo cells. Lavi S. **Proc Natl Acad Sci USA** 1981 Oct; 78(10):6144–8

DNA sequences affecting specific initiation of transcription in vitro from the EIII promoter of adenovirus 2. Lee DC, et al. **Proc Natl Acad Sci USA** 1982 Jan;79(1):41–5

Transcription of the simian virus 40 genome in DNA-transformed murine teratocarcinoma stem cells. Linnenbach A, et al. **Proc Natl Acad Sci USA** 1981 Oct; 78(10):6386–90

Identification and cloning of endogenous retroviral sequences present in human DNA. Martin MA, et al.
Proc Natl Acad Sci USA 1981 Aug;78(8):4892–6

Asymmetric replication of duck hepatitis B virus DNA in liver cells: Free minus-strand DNA. Mason WS, et al.
Proc Natl Acad Sci USA 1982 Jul;79(13):3997–4001

Specific in vitro initiation of transcription on the adenovirus type 2 early and late EII transcription units. Mathis DJ, et al. **Proc Natl Acad Sci USA** 1981 Dec;78(12):7383–7

Site-specific inversion sequence of the herpes simplex virus genome: domain and structural features. Mocarski ES, et al. **Proc Natl Acad Sci USA** 1981 Nov;78(11):7047–51

Molecular genetics of vaccinia virus: demonstration of marker rescue. Nakano E, et al.
Proc Natl Acad Sci USA 1982 Mar;79(5):1593–6

Molecular cloning of equine herpesvirus type 1 DNA: analysis of standard and defective viral genomes and viral sequences in oncogenically transformed cells. Robinson RA, et al. **Proc Natl Acad Sci USA** 1981 Nov;78(11):6684–8

Molecular cloning and partial characterization of unintegrated linear DNA from gibbon ape leukemia virus. Scott ML, et al. **Proc Natl Acad Sci USA** 1981 Jul; 78(7):4213–7

DNA sequences homologous to vertebrate oncogenes are conserved in Drosophila melanogaster. Shilo BZ, et al.
Proc Natl Acad Sci USA 1981 Nov;78(11):6789–92

Efficient infection of monkey cells with DNA of simian virus 40. Sompayrac LM, et al. **Proc Natl Acad Sci USA** 1981 Dec;78(12):7575–8

Pleiotropic expression of Epstein—Barr virus DNA in human epithelial cells. Stoerker J, et al.
Proc Natl Acad Sci USA 1981 Sep;78(9):5852–5

Function of adenovirus terminal protein in the initiation of DNA replication. Tamanoi F, et al.
Proc Natl Acad Sci USA 1982 Apr;79(7):2221–5

Molecular cloning of murine endogenous viral sequences and expression of a newly constructed recombinant murine leukemia virus DNA in transfected mink cells. van der Hoorn FA, et al. **Proc Natl Acad Sci USA** 1982 Mar; 79(5):1398–402

Human DNA sequence homologous to the transforming gene (mos) of Moloney murine sarcoma virus. Watson R, et al.
Proc Natl Acad Sci USA 1982 Jul;79(13):4078–82

Heteroduplex formation by recA protein: polarity of strand exchanges. West SC, et al. **Proc Natl Acad Sci USA** 1981 Oct;78(10):6149–53

Clonal analysis of early and late stages of erythroleukemia induced by molecular clones of integrated spleen focus-forming virus. Yamamoto Y, et al.
Proc Natl Acad Sci USA 1981 Nov;78(11):6893–7

Organization of the bacteriophage T4 tail fiber gene cluster 34–38. Revel HR. **Prog Clin Biol Res** 1981;64:353–64

In vitro packaging of damaged bacteriophage T7 DNA. Masker WE, et al. **Prog Nucleic Acid Res Mol Biol** 1981; 26:227–36

Role of chromatin structure, histone acetylation, and the primary sequence of DNA in the expression of SV40 and polyoma in normal or teratocarcinoma cells. Moyne G, et al. **Prog Nucleic Acid Res Mol Biol** 1981;26:151–67

Cloned poliovirus complementary DNA is infectious in mammalian cells. Racaniello VR, et al. **Science** 1981 Nov 20;214(4523):916–9

Complete nucleotide sequence and organization of the Moloney murine sarcoma virus genome. Reddy EP, et al.
Science 1981 Oct 23;214(4519):445–50

Analysis of endogenous avian retrovirus DNA and RNA: viral and cellular determinants of retrovirus gene expression. Baker B, et al. **Virology** 1981 Oct 15;114(1):8–22

Propagation of B-lymphotropic papovavirus (LPV) in human B-lymphoma cells and characterization of its DNA. Brade L, et al. **Virology** 1981 Oct 15;114(1):228–35

Recombination and expression of a cloned fragment of the DNA of Bacillus subtilis bacteriophage SP01. Curran JF, et al. **Virology** 1982 Jul 30;120(2):307–17

Human cytomegalovirus DNA: restriction enzyme cleavage maps and map locations for immediate-early, early, and late RNAs. Demarchi JM. **Virology** 1981 Oct 15; 114(1):23–38

Restriction mapping and physical characterization of the cottontail rabbit papillomavirus genome in transplantable VX2 and VX7 domestic rabbit carcinomas. Favre M, et al. **Virology** 1982 Jun;119(2):298–309

Tandem integration of complete viral genomes can occur in nonpermissive hamster cells transformed by linear BKV DNA with cohesive ends. Grossi MP, et al. **Virology** 1982 Jul 30;120(2):500–3

Formation of a nucleosome-free region in SV40 minichromosomes is dependent upon a restricted segment of DNA. Jakobovits EB, et al. **Virology** 1982 Jul 30; 120(2):340–8

The 'steady state' of coliphage f1: DNA synthesis late in infection. Lerner TJ, et al. **Virology** 1981 Dec;115(2):282–94

Physical map of the short foldback sequences of herpes simplex virus type 1 DNA. Miller RH, et al. **Virology** 1982 Feb;117(1):70–80

Restricted expression of integrated primate type-C virus (gibbon ape leukemia virus–simian sarcoma virus) proviral DNA in nonproductively infected human B lymphoblasts. Nelli LC, et al. **Virology** 1982 Feb;117(1):195–206

Electron microscopy of AD5 replicating molecules after in vivo photocrosslinking with trioxsalen. Revet B, et al.
Virology 1981 Oct 15;114(1):60–70

Nucleic acid homology between avian and mammalian type C viruses: relatedness of reticuloendotheliosis virus cdna to cloned proviral DNA of the endogenous Colobus virus CPC-1. Rice NR, et al. **Virology** 1981 Oct 15;114(1):286–90

Oncogenicity of gibbon retrovirus determined by leukemia-specific genomic sequences. Sun L, et al.
Virology 1981 Oct 15;114(1):261–4

[Enzyme studies on the recognition of the initiation signals in priming replication with single-stranded phage DNA templates (author's transl)] Arai K, et al.
Tanpakushitsu Kakusan Koso 1982;27(1):39–53 (52 ref.) (Jpn)

[Initiation control of lambda phage replication (author's transl)] Tsurimoto T, et al. **Tanpakushitsu Kakusan Koso** 1982;27(1):75–86 (48 ref.) (Jpn)

[Quantitative evaluation of the splitting of DNA repetitive sequences from the genome of hybrid lambda phages] Beliaev AS, et al. **Dokl Akad Nauk SSSR** 1982; 263(6):1473–5 (Rus)

[Modification of the operator-promotor portion of phage lambda DNA within a specific complex with Escherichia coli RNA polymerase] Gusev VA, et al.
Dokl Akad Nauk SSSR 1981;260(3):753–6 (Rus)

[Localization of the Escherichia coli RNA-polymerase binding site (promotor Patt) on phage lambda DNA near the integration site] Kravchenko VV, et al.
Dokl Akad Nauk SSSR 1982;264(4):999–1001 (Rus)

[Cloning of hepatitis B virus DNA in Escherichia coli] Pumper PP, et al. **Dokl Akad Nauk SSSR** 1981; 260(4):1022–4 (Rus)

[Insertion of foreign functioning genes into bacterial chromosome: the construction of a hybrid molecule capable of recombination with Bacillus subtilis DNA from plasmid pBD 12 and phage phi 105 DNA] Savchenko GV, et al.
Dokl Akad Nauk SSSR 1982;264(4):976–9 (Rus)

[Molecular cloning of DNA fragments homologous to mouse sarcoma virus oncogen from a collection of genes from transformed cells] Zabarovskii ER, et al.
Dokl Akad Nauk SSSR 1981;261(6):1456–9 (Rus)

[Separation in space of primary UV damage and mutation site in bacteriophage phi X-174 DNA] Zavil'gel'skii GB.
Dokl Akad Nauk SSSR 1982;264(3):718–21 (Rus)

[Lambda H-lambda T 80 hybrid study of the DNA structural gene region in lambda and phi 80 phages] Boitsov AS, et al. **Genetika (Moskva)** 1981;17(11):1952–6 (Eng. Abstr.) (Rus)

[Escherichia coli characteristics in phage DNA transfection] Iasnova LN, et al. **Mikrobiologiia** 1982 Mar-Apr; 51(2):324–7 (Rus)

[Transfection of bacterial cells by DNA of phage M13 entrapped in phospholipid vesicles] Beliaev ND, et al.
Mol Biol (Mosk) 1982 May-Jun;16(3):612–8 (Eng. Abstr.) (Rus)

[Viral sequences in the genomes of rat and hamster cells transformed by simian adenovirus SA7(C8) and its DNA] Gartel' AL, et al. **Mol Biol (Mosk)** 1982 May-Jun; 16(3):519–27 (Eng. Abstr.) (Rus)

[Simian adenovirus genome. II. Identification of specific fragments of viral DNA possessing transforming activity] Gibadulin RA, et al. **Mol Biol (Mosk)** 1982 Mar-Apr; 16(2):315–21 (Eng. Abstr.) (Rus)

[Integrase of lambda phage inhibits the activity of promotor Patt under in vivo and in vitro conditions] Kravchenko VV, et al. **Mol Biol (Mosk)** 1982 May-Jun;16(3):511–8 (Eng. Abstr.) (Rus)

[Restriction mapping of T4 bacteriophage late gene region which contains the origins of DNA replication] Krutilina AI, et al. **Mol Biol (Mosk)** 1981 Jul-Aug;15(4):883–93 (Eng. Abstr.) (Rus)

[Discontinuous transfer of phage T7 DNA molecules into Escherichia coli cells during infection] Zavriev SK, et al. **Mol Biol (Mosk)** 1982 Mar-Apr;16(2):411–23 (Eng. Abstr.) (Rus)

[Transfection conditions for baculovirus DNA in an insect cell line] Oreshkin EN. **Vopr Virusol** 1982 Mar-Apr; 27(2):235–8 (Eng. Abstr.) (Rus)

[Formation of transfecting DNA in acute cellular infection with the tick-borne encephalitis virus mediated by an oncogenic virus] Suetina IA, et al. **Vopr Virusol** 1982 Jan-Feb;(1):45–8 (Eng. Abstr.) (Rus)

[Structure, identification of the genes and integration of the hepatitis B viral genome (author's transl)] Valenzuela P. **Rev Med Chil** 1981 Jun;109(6):498–504 (Eng. Abstr.) (Spa)

IMMUNOLOGY

[DNA from retrovirus D-infected cells and from human tumors: an inducer of the synthesis of a new nonvirion antigen] Kosiakova NP, et al. **Vopr Virusol** 1982 Mar-Apr; 27(2):230–4 (Eng. Abstr.) (Rus)

ISOLATION & PURIFICATION

Fractionation of simian virus 40 DNA fragments by RPC-5 column chromatography. Bina M, et al. **Anal Biochem** 1981 Jun;114(1):105–11

Stability and components of mature simian virus 40. Bina M, et al. **Biochemistry** 1982 Jun 22;21(13):3057–63

Nonspecific cleavage of phi X174 RFI deoxyribonucleic acid by bleomycin. Love JD, et al. **Biochemistry** 1981 Sep 1; 20(18):5331–6

Sizing of DNA fragments by preparative, benzoylated DEAE-cellulose chromatography. Haber M, et al.
FEBS Lett 1981 Oct 12;133(1):72–4

Episomal and nonepisomal herpesvirus DNA in lymphoid tumor cell lines. Kaschka-Dierich C, et al.
Hamatol Bluttransfus 1981;26:197–203

Isolation of the complementary strands of vaccinia virus DNA. Pogo BG. **Intervirology** 1981;15(3):161–4

A novel, highly modified, bacteriophage DNA in which thymine is partly replaced by a phosphoglucuronate moiety covalently bound to 5-(4',5'-dihydroxypentyl)uracil. Ehrlich M, et al. **J Biol Chem** 1981 Oct 10;256(19):9966–72

Identification of PK 1 bacteriophage DNA in Streptococcus mutans. Higuchi M, et al. **J Dent Res** 1982 Feb;61(2):439–41

New way to isolate simian virus 40 nucleoprotein complexes from infected cells: use of a thiol-specific reagent. Boyce FM, et al. **J Virol** 1982 Apr;42(1):292–6

Filamentous structures associated with Epstein-Barr virus-infected cells. Moore CL, et al. **J Virol** 1982 Jul; 43(1):305–13

The preparation of orthopoxvirus DNA. Esposito J, et al.
J Virol Methods 1981 Feb;2(3):175–9

Extraction of cell-associated varicella-zoster virus DNA with triton X-100–NaCl. Gilden DH, et al.
J Virol Methods 1982 May;4(4–5):263–75

Detection of hepatitis B virus DNA in liver and serum: a direct appraisal of the chronic carrier state. Brechot C, et al. **Lancet** 1981 Oct 10;2(8250):765–8

Integration of hepatitis B virus DNA into the genome of liver cells in chronic liver disease and hepatocellular carcinoma. Studies in percutaneous liver biopsies and post-mortem tissue specimens. Shafritz DA, et al.
N Engl J Med 1981 Oct 29;305(18):1067–73

Separation of closed circular DNA from linear DNA by electrophoresis in two dimensions in agarose gels. Oppenheim A. **Nucleic Acids Res** 1981 Dec 21; 9(24):6805–12

Selective trapping of circular double-stranded DNA molecules in solidifying agarose. Schindler CW, et al.
Plasmid 1982 May;7(3):263–70

Novel class of mouse mammary tumor virus-related DNA sequences found in all species of Mus, including mice lacking the virus proviral genome. Callahan R, et al.
Proc Natl Acad Sci USA 1982 Jul;79(13):4113–7

Structural changes in the DNA of Marek's disease virus during serial passage in cultured cells. Hirai K, et al.
Virology 1981 Dec;115(2):385–9

Extrachromosomal bovine papillomavirus type 1 DNA in hamster fibromas and fibrosarcomas. Pfister H, et al.
Virology 1981 Dec;115(2):414–8

METABOLISM

Interaction of gene 5 protein with DNA. Holwitt E, et al.
Arch Biochem Biophys 1982 Apr 1;214(2):792–805

The binding of benzo[a]pyrene-7,8-dihydrodiol to bacteriophage phi X174 DNA. Hsu WT, et al. **Biochem Biophys Res Commun** 1981 Jul 16;101(1):317–25

Biological activity of the antitumor protein neocarzinostatin coupled to a monoclonal antibody by N-succinimidyl 3-(2-pyridyldithio)-propionate. Jung G, et al. **Biochem Biophys Res Commun** 1981 Jul 30;101(2):599–606

Cis- and trans-diamminedichloroplatinum(II) binding products different tertiary structural changes on SV40 DNA. Scovell WM, et al. **Biochem Biophys Res Commun** 1982 Feb 26; 104(4):1597–603

In vitro complex formation between bacteriophage phi 29 terminal protein and deoxynucleotide. Shih M, et al. **Biochem Biophys Res Commun** 1982 Apr 14;105(3):1031–6

Kinetics of head-tail joining in bacteriophage T4D studied by quasi-elastic light scattering: effects of temperature, pH, and ionic strength. Aksiyote-Benbasat J, et al. **Biochemistry** 1981 Aug 18;20(17):5018–25

Ion effects on the lac repressor—operator equilibrium. Barkley MD, et al. **Biochemistry** 1981 Jun 23; 20(13):3842–51

Salt dependence of the kinetics of the lac repressor–operator interaction: role of nonoperator deoxyribonucleic acid in the association reaction. Barkley MD. **Biochemistry** 1981 Jun 23;20(13):3833–42

Liposome-mediated delivery of deoxyribonucleic acid to cells: enhanced efficiency of delivery related to lipid composition and incubation conditions. Fraley R, et al. **Biochemistry** 1981 Nov 24;20(24):6978–87

Neutron scattering data on reconstituted complexes of fd deoxyribonucleic acid and gene 5 protein show that the deoxyribonucleic acid is near the center. Gray DM, et al. **Biochemistry** 1982 May 25;21(11):2702–13

Interactions of wild-type and mutant M protein of vesicular stomatitis virus with viral nucleocapsid and envelope in intact virions. Evidence from [125I]iodonaphthyl azide labeling and specific cross-linking. Mancareila DA, et al. **Biochemistry** 1981 Nov 24;20(24):6872–7

Both parental deoxyribonucleic acid strands at each replication fork of replicating simian virus 40 chromosomes are cut by a single-strand-specific endonuclease. Tsubota Y, et al. **Biochemistry** 1982 May 25;21(11):2713–8

Interaction of crystal violet with nucleic acids. Wakelin LP, et al. **Biochemistry** 1981 Sep 29;20(20):5779–87

Conditions for sliding of nucleosomes along DNA: SV 40 minichromosomes. Glotov BO, et al. **Biochim Biophys Acta** 1982 Mar 29;696(3):275–84

Efficiency of T4 DNA ligase-catalyzed end joining after S1 endonuclease treatment on duplex DNA containing single-stranded portions. Shishido K, et al. **Biochim Biophys Acta** 1981 Nov 27;656(1):123–7

S1 nuclease does not cleave DNA at single-base mis-matches. Silber JR, et al. **Biochim Biophys Acta** 1981 Dec 28;656(2):256–64

A comparison of the phage T4 gene 32 protein and Escherichia coli RNA polymerase binding sites on hamster papovavirus DNA. Vogel F, et al. **Biochim Biophys Acta** 1982 Jan 26;696(1):102–6

In vitro conversion of S13 viral DNA in phage particles to the double-stranded DNA. Watabe K, et al. **Biochim Biophys Acta** 1981 Dec 28;656(2):189–94

Injection defect in alkylated and depurinated T7 bacteriophage: analysis by DNA ejection. Mamet-Bratley MD, et al. **Can J Biochem** 1982 Mar;60(3):232–42

Mammary tumor virus DNA as a marker for genotypic variance within hormone-responsive GR mouse mammary tumors. Michalides R, et al. **Cancer Res** 1982 Mar; 42(3):1154–8

Role of depurination in mutagenesis by chemical carcinogens. Schaaper RM, et al. **Cancer Res** 1982 Sep;42(9):3480–5

A topological model for transcription based on unwinding angle analysis of E. coli RNA polymerase binary, initiation and ternary complexes. Gamper HB, et al. **Cell** 1982 May; 29(1):81–90

SV40 gene expression is modulated by the cooperative binding of T antigen to DNA. Myers RM, et al. **Cell** 1981 Aug;25(2):373–84

Protein kinases associated with the adenovirus single-stranded DNA-binding protein. Cajean-Feroldi C, et al. **Eur J Biochem** 1981 Nov;120(1):79–87

Electron microscopic analysis of the interaction of Escherichia coli RNA polymerase with alkylated T7 DNA. Guertin-Carignan M, et al. **Eur J Biochem** 1981 Nov; 120(2):221–7

Localization of the binding sites of prokaryotic and eukaryotic RNA polymerases on simian virus 40 DNA. Saragosti S, et al. **Eur J Biochem** 1980 May;106(1):25–31

R-loop mapping of calf-thymus RNA polymerase II. Transcripts in vitro on restriction fragments of adenovirus 2 DNA. Spindler E, et al. **Eur J Biochem** 1982 Jan; 121(2):289–94

Visualization of DNA in various phages (T4, chi, T7, phi 29) by ethidium bromide epi-fluorescent microscopy. Kuroiwa T, et al. **Experientia** 1981;37(9):969–71

Disulfide bonds protect the encapsidated chromosomes of Simian virus 40. Ng SC, et al. **FEBS Lett** 1981 Jul 20; 130(1):47–9

Influence of the deletions of A2-A3 promoters or a terminator of early genes upon the rate of T7 DNA entrance into Escherichia coli cell. Zavriev SK, et al. **FEBS Lett** 1981 Aug 17;131(1):99–102

Biological activity of proviral DNA isolated from cells infected with MAV-2(0) virus. Hložánek I, et al. **Folia Biol (Praha)** 1982;28(2):98–108

A cytophotometric measurement of DNA in murine hepatocytic nuclei during cytomegalovirus infection. Papadimitriou JM, et al. **Histochemistry** 1981;72(4):481–7

Microscopic examination of the intracellular fate of infectious herpes simplex virus DNA. Marciano-Cabral F, et al. **Intervirology** 1981;16(2):95–105

In vitro host cell reactivation of alkylated bacteriophage T7 deoxyribonucleic acid by repair-deficient strains of Escherichia coli. Dodson LA, et al. **J Bacteriol** 1981 Sep; 147(3):720–7

Uptake and fate of bacteriophage phi W-14 DNA in competent Bacillus subtilis. Lopez P, et al. **J Bacteriol** 1982 Feb;149(2):595–605

Addition, deletion, and substitution of long nonhomologous deoxyribonucleic acid segments by genetic transformation of Haemophilus influenzae. Stuy JH, et al. **J Bacteriol** 1981 Nov;148(2):565–71

Ability of Bacillus subtilis protoplasts to repair irradiated bacteriophage deoxyribonucleic acid via acquired and natural enzymatic systems. Yasbin RE, et al. **J Bacteriol** 1981 Sep;147(3):949–53

Involvement of host cell gene products in conversion of bacteriophage S13 single-stranded DNa to duplex replicative form DNA in vitro. Watabe K, et al. **J Biochem (Tokyo)** 1981 Sep;90(3):779–83

Molecular interaction between simian virus 40 DNA and Escherichia coli RNA polymerase. Mapping of the initiation sites on supercoiled and linear DNA. Lavialle C, et al. **J Biol Chem** 1982 Feb 10;257(3):1549–57

Differences among H1 histone subfractions in binding to linear and superhelical DNA. Sedimentation velocity studies. Liao LW, et al. **J Biol Chem** 1981 Nov 10; 256(21):11145–50

Molecular mechanism of promoter selection in gene transcription. II. Kinetic evidence for promoter search by a one-dimensional diffusion of RNA polymerase molecule along the DNA template. Park CS, et al. **J Biol Chem** 1982 Jun 25;257(12):6950–6

Polyoma-like particle: characterization of the DNA encapsidated in vitro by polyoma empty capsids. Silaty SN, et al. **J Biol Chem** 1982 Jun 10;257(11):6571–5

Factors affecting in vitro DNA ejection of the Lactobacillus lactis bacteriophage LL-H. Alatossava T. **J Gen Virol** 1982 Mar;59(Pt 1):173–5

DNA methylation—a regulatory signal in eukaryotic gene expression. Doerfler W. **J Gen Virol** 1981 Nov;57(Pt 1):1–20 (280 ref.)

Complexes formed between the restriction endonuclease EcoK and heteroduplex DNA. Burckhardt J, et al. **J Mol Biol** 1981 Dec 5;153(2):425–40

The nature of the complexes formed between the int protein and DNA. Hamilton D, et al. **J Mol Biol** 1981 Oct 15; 152(1):163–9

Identification of a structural hairpin in the filamentous chimeric phage M13Gori1. Ikoku AS, et al. **J Mol Biol** 1981 Sep 15;151(2):245–59

Binding of Escherichia coli RNA polymerase holoenzyme to bacteriophage T7 DNA. Measurements of binding at bacteriophage T7 promoter A1 using a template competition assay. Kadesch TR, et al. **J Mol Biol** 1982 Feb 15;155(1):1–29

Stimulation of polyoma DNA replication in isolated nucleoprotein complexes by factors from Drosophila embryos. Mastromei G, et al. **J Mol Biol** 1981 Oct 5; 151(4):627–43

Binding of Escherichia coli RNA polymerase holoenzyme to bacteriophage T7 DNA. Measurements of the rate of open complex formation at T7 promoter A. Rosenberg S, et al. **J Mol Biol** 1982 Feb 15;155(1):31–51

Morphogenesis of bacteriophage phi 29 of Bacillus subtilis: DNA-gp3 intermediate in in vivo and in vitro assembly. Bjornsti MA, et al. **J Virol** 1982 Feb;41(2):508–17

Simian virus 40 maturation: chromatin modifications increase the accessibility of viral DNA to nuclease and RNA polymerase. Brady J, et al. **J Virol** 1981 Aug;39(2):603–11

Stable association of viral protein VP1 with simian virus 40 DNA. Brady JN, et al. **J Virol** 1981 Aug;39(2):432–7

Characterization of a temperature-sensitive fiber mutant of type 5 adenovirus and effect of the mutation on virion assembly. Chee-Sheung CC, et al. **J Virol** 1982 Jun; 42(3):932–50

Studies with aphidicolin on the Fv-1 host restriction of Friend murine leukemia virus. Chinsky J, et al. **J Virol** 1982 Jul;43(1):182–90

Requirements for excision and amplification of integrated viral DNA molecules in polyoma virus-transformed cells. Colantuoni V, et al. **J Virol** 1982 Aug;43(2):617–28

Inducible permissive cells transformed by a temperature-sensitive polyoma virus: superinfection does not allow excision of the resident viral genome. Delbecchi L, et al. **J Virol** 1981 Jul;39(1):196–206

Degradation of intracellular DNA in KB cells infected with cyt mutants of human adenovirus type 12. Ezoe H, et al. **J Virol** 1981 Oct;40(1):20–7

Nucleotide sequences at the phi X gene A protein cleavage site in replicative form I DNAs of bacteriophages U3, G14, and alpha 3. Heidekamp F, et al. **J Virol** 1982 Apr; 42(1):91–9

DNA-processing activities associated with the purified alpha, beta 2, and alpha beta molecular forms of avian sarcoma virus RNA-dependent DNA polymerase. Hizi A, et al. **J Virol** 1982 Mar;41(3):974–81

In vitro packaging of bacteriophage T7 DNA requires ATP. Masker WE. **J Virol** 1982 Jul;43(1):365–7

Mechanism of replication of bacteriophage phi X174 XX. Sensitivity of nascent DNA to single-strand-specific nucleases. Matthes M, et al. **J Virol** 1982 Apr;42(1):12–9

Shope fibroma virus. II. Role of the virion-associated nucleases. Pogo BG, et al. **J Virol** 1982 Jan;41(1):104–9

Discrete regions of simian virus 40 large T antigen are required for nonspecific and viral origin-specific DNA binding. Prives C, et al. **J Virol** 1982 Jul;43(1):73–82

Ultraviolet irradiation inhibits encapsidation of simian virus 40 chromatin. Roman A, et al. **J Virol** 1981 Dec; 40(3):729–34

Molecular genetics of herpes simplex virus. V. Characterization of a mutant defective in ability to form plaques at low temperatures and in a viral fraction which prevents accumulation of coreless capsids at nuclear pores late in infection. Tognon M, et al. **J Virol** 1981 Dec; 40(3):870–80

Cloned bacteriophage phi X174 DNA sequence interferes with synthesis of the complementary strand of infecting bacteriophage phi X174. van der Avoort HG, et al. **J Virol** 1982 Apr;42(1):1–11

Cessation of reentry of simian virus 40 DNA into replication and its simultaneous appearance in nucleoprotein complexes of the maturation pathway. Wang HT, et al. **J Virol** 1981 Jul;39(1):255–62

Cell killing by avian leukosis viruses. Weller SK, et al. **J Virol** 1981 Sep;39(3):713–21

Chemical methylation of RNA and DNA viral genomes as a probe of in situ structure. Yamakawa M, et al. **J Virol** 1981 Nov;40(2):482–90

Excision repair and patch size in UV-irradiated bacteriophage T4. Yarosh DB, et al. **J Virol** 1981 Nov; 40(2):465–71

Adenovirus DNA is associated with the nuclear matrix of infected cells. Younghusband HB, et al. **J Virol** 1982 Aug; 43(2):705–13

Hybridization techniques. Minson AC, et al. **Lab Res Methods Biol Med** 1982;5:185–229 (100 ref.)

Induction of cellular deoxyribonucleic acid synthesis in butyrate-treated cells by simian virus 40 deoxyribonucleic acid. Kawasaki S, et al. **Mol Cell Biol** 1981 Nov; 1(11):1038–47

Interaction of histone H1 with superhelical DNA. Sedimentation and electron microscopical studies at low salt concentration. Böttger M, et al. **Nucleic Acids Res** 1981 Oct 24;9(20):5253–68

The interaction of RNA polymerase II with non-promoter DNA sites. Chandler DW, et al. **Nucleic Acids Res** 1981 Nov 25;9(22):6031–46

The high affinity binding site on polyoma virus DNA for the viral large-T protein. Gaudray P, et al. **Nucleic Acids Res** 1981 Nov 11;9(21):5697–710

Novel topologically knotted DNA from bacteriophage P4 capsids: studies with DNA topoisomerases. Liu LF, et al. **Nucleic Acids Res** 1981 Aug 25;9(16):3979–89

Characterization of the effect of aphidicolin on adenovirus DNA replication: evidence in support of a protein primer model of initiation. Pincus S, et al. **Nucleic Acids Res** 1981 Oct 10;9(19):4919–38

Enzymatic properties of the bacteriophage phi X174 A protein on superhelical phi X174 DNA: a model for the termination of the rolling circle DNA replication. van der Ende A, et al. **Nucleic Acids Res** 1981 May 11;9(9):2037–53

RNA polymerase-dependent mechanism for the stepwise T7 phage DNA transport from the virion into E. coli. Zavriev SK, et al. **Nucleic Acids Res** 1982 Mar 11;10(5):1635–52

Kinetics of DNA-induced breaks by reductone treatment: in vitro and in vivo studies. Leitão AC, et al. **Photochem Photobiol** 1981 Dec;34(6):745–8

Bacteriophage lambda DNA packaging: scanning for the terminal cohesive end site during packaging. Feiss M, et al. **Proc Natl Acad Sci USA** 1982 Jun;79(11):3498–502

Analysis of type 5 adenovirus transformation with a cloned rat embryo cell line (CREF). Fisher PB, et al. **Proc Natl Acad Sci USA** 1982 Jun;79(11):3527–31

Polarity of heteroduplex formation promoted by Escherichia coli recA protein. Kahn R, et al. **Proc Natl Acad Sci USA** 1981 Aug;78(8):4786–90

Expression of a cloned adenovirus gene is inhibited by in vitro methylation. Vardimon L, et al. **Proc Natl Acad Sci USA** 1982 Feb;79(4):1073–7

Site-specific cleavage/packaging of herpes simplex virus DNA and the selective maturation of nucleocapsids containing full-length viral DNA. Vlazny DA, et al. **Proc Natl Acad Sci USA** 1982 Mar;79(5):1423–7

Effect of methylation on expression of microinjected genes. Waechter DE, et al. **Proc Natl Acad Sci USA** 1982 Feb; 79(4):1106–10

Variable-sized free episomes of Shope papilloma virus DNA are present in all non-virus-producing neoplasms and integrated episomes are detected in some. Wettstein FO, et al. **Proc Natl Acad Sci USA** 1982 Feb;79(3):790–4

Methylation of the viral genome in an in vitro model of herpes simplex virus latency. Youssoufian H, et al. **Proc Natl Acad Sci USA** 1982 Apr;79(7):2207–10

Studies of the mechanism of bacteriophage T4 DNA encapsidation. Black LW, et al. **Prog Clin Biol Res** 1981;

64:111–26
The mechanism of bacteriophage DNA encapsidation. Black LW. **Prog Clin Biol Res** 1981;64:97–110
In vitro studies on the bacteriophage P2 terminase system. Bowden DW, et al. **Prog Clin Biol Res** 1981;64:223–30
Comments on filamentous phage assembly. Dunker AK. **Prog Clin Biol Res** 1981;64:383–8
Bacteriophage lambda and 21 packaging specificities. Feiss M, et al. **Prog Clin Biol Res** 1981;64:213–22
Studies on factors involved in in vitro packaging of phage T3 dna. Fujisawa H, et al. **Prog Clin Biol Res** 1981; 64:239–52
Defective packing of an unusual DNA in a virulent Erwinia phage, Erh 1. Kozloff LM, et al. **Prog Clin Biol Res** 1981; 64:253–69
Interactions between the maturation protein gp17 and the single-stranded DNA binding protein gp32 initiate DNA packaging and compete with initiation of secondary DNA replication forks in phage T4. Mosig G, et al. **Prog Clin Biol Res** 1981;64:139–50
DNA and nucleoside triphosphate binding properties of recA protein from Escherichia coli. McEntee K, et al. **Prog Nucleic Acid Res Mol Biol** 1981;26:265–79
Studies on the association of E. coli phage lambda DNA and the host chromosome: lack of a role of membranes. Better M, et al. **Virology** 1982 May;119(1):159–68
Interaction of escherichia coli RNA polymerase with the genome of Proteus mirabilis phage 5006M. Coetzee WF, et al. **Virology** 1982 Feb;117(1):11–8
Circular monomers of bacteriophage lambda DNA as substrates for in vitro packaging. Gold M, et al. **Virology** 1982 May;119(1):35–41
Specific interaction of the SV40 T antigen–cellular p53 protein complex with SV40 DNA. Reich NC, et al. **Virology** 1982 Feb;117(1):286–90
Binding of dephosphorylated A protein to SV40 DNA. Shaw SB, et al. **Virology** 1981 Nov;115(1):88–96
Alternative interactions of the SV40 A protein with DNA. Tegtmeyer P, et al. **Virology** 1981 Nov;115(1):75–87
Sensitivity of Escherichia coli to viral nucleic acid. XVI. Temperature conditions for Ca2+-dependent dna uptake in Escherichia coli. Taketo A. **Z Naturforsch [C]** 1982 Jan–Feb;37(1–2):87–92
[Binding of acridine orange and ethidium bromide to DNA in phage lambda] Shurdov MA, et al. **Biofizika** 1982 Mar–Apr;27(2):222–4 (Eng. Abstr.) **(Rus)**
[Application of alkylating DNA derivatives for addressed modification of the genome] Mazin AV, et al. **Mol Biol (Mosk)** 1981 Jan–Feb;15(1):252–6 (Eng. Abstr.) **(Rus)**
[Protection of segments of replicative form I of phiX174 phage DNA recognized by HindII, BspRI, and AluI restrictases by Escherichia coli RNA-polymerase] Shemiakin MF, et al. **Mol Biol (Mosk)** 1981 Sep–Oct; 15(5):1144–57 (Eng. Abstr.) **(Rus)**
[Kinetic determination of the non-specific constants for the binding of Escherichia coli RNA polymerase to T7 phage DNA] Zavriev SK, et al. **Mol Biol (Mosk)** 1982 Jan–Feb; 16(1):156–9 (Eng. Abstr.) **(Rus)**

PHARMACODYNAMICS

Inhibition of adenovirus oncogenicity in hamsters by adeno-associated virus DNA. de la Maza LM, et al. **JNCI** 1981 Dec;67(6):1323–6
[Oncogen localization in simian adenovirus DNA. I. In vitro rat cell transformation using the SV20 virus and its DNA] Parkhomenko II, et al. **Tsitologiia** 1981 Aug;23(8):932–6 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

Evolutionary significance of accessory DNA elements in bacteria. Campbell A. **Annu Rev Microbiol** 1981;35:55–83 (115 ref.)
RNA and DNA viral stimulation of prostaglandin E production by human synovial fibroblasts. Yaron M, et al. **Arthritis Rheum** 1981 Dec;24(12):1582–6
Mapping of alterations in noninfectious proviruses of spleen necrosis virus. O'Rear JJ, et al. **J Virol** 1981 Jul; 39(1):138–49
Change of DNA near the origin of replication enhances the transforming capacity of human papovavirus BK. Watanabe S, et al. **J Virol** 1982 Jun;42(3):978–85
Requirement for the C-terminal region of middle T-antigen in cellular transformation by polyoma virus. Novak U, et al. **Nucleic Acids Res** 1981 May 11;9(9):2055–73
Viral interference of HSV-1: properties of the intracellular viral progeny DNA. Kümel G, et al. **Virology** 1982 Jul 15;120(1):205–14

RADIATION EFFECTS

Restriction enzyme cleavage of ultraviolet-damaged DNA. Cleaver JE, et al. **Biochim Biophys Acta** 1982 May 31; 697(2):255–8
Influence of anoxic sensitizers on the radiation damage in biologically active DNA in aqueous solution. Lafleur MV, et al. **Int J Radiat Biol** 1982 Mar;41(3):295–302
Inactivation of biologically active DNA by hydrated electrons. Nabben FJ, et al. **Int J Radiat Biol** 1982 Jul; 42(1):23–30
Mutagenic effect of furocoumarin monoadducts and cross-links on bacteriophage lambda. Belogurov AA, et al. **Mutat Res** 1981 Nov;84(1):11–5
Specificity of UV mutagenesis in the lac promoter of M13lac hybrid phage DNA. LeClerc JE, et al. **Nature** 1982 Jun 17;297(5867):596–8
Laser crosslinking of E. coli RNA polymerase and T7 DNA. Harrison CA, et al. **Nucleic Acids Res** 1982 Apr 10; 10(7):2399–414
Effect of UV-irradiation on DNA replication of the parvovirus minute-virus-of-mice in mouse fibroblasts. Rommelaere J, et al. **Nucleic Acids Res** 1982 Apr 24; 10(8):2577–96
Mechanism of high power picosecond laser UV inactivation of viruses and bacterial plasmids. Gurzadyan GG, et al. **Photochem Photobiol** 1981 Jun;33(6):835–8

DNA VIRUSES

CLASSIFICATION

Identification of DNA viruses by membrane filter hybridization. Stålhandske P, et al. **J Clin Microbiol** 1982 Apr;15(4):744–7
Taxonomy and nomenclature of viruses, 1982. Melnick JL. **Prog Med Virol** 1982;28:208–21

GENETICS

Genome-linked proteins of viruses. Wimmer E. **Cell** 1982 Feb;28(2):199–201
Structure of the baboon endogenous virus genome: nucleotide sequences of the long terminal repeat. Tamura T, et al. **Nucleic Acids Res** 1981 Dec 11;9(23):6615–26
The genome of frog virus 3, an animal DNA virus, is circularly permuted and terminally redundant. Goorha R, et al. **Proc Natl Acad Sci USA** 1982 Jan;79(2):248–52
Case-by-case evaluation of recombinant DNA research involving eukaryotic viruses. **Recomb DNA Tech Bull** 1981 Dec;4(4):193–6

GROWTH & DEVELOPMENT

Stabilization of isometric DNA viruses against thermoinactivation by lowered ionic strength. Wigand R, et al. **Arch Virol** 1981;69(1):61–9

IMMUNOLOGY

[Antibodies for DNA and RNA viruses in the serum of myasthenia patients. Preliminary report] Rościszewska D, et al. **Neurol Neurochir Pol** 1981 Sep–Dec;15(5–6):541–4 (Eng. Abstr.) **(Pol)**

ISOLATION & PURIFICATION

A comparison of the efficiency of human embryo intestine, Hep 2 cells, and human embryo kidney cells for the primary isolation of ophthalmic viruses. Cubitt WD, et al. **Br J Ophthalmol** 1981 Aug;65(8):546–8
Viruses of mycoplasmas and spiroplasmas. Jansson E, et al. **Med Biol** 1982 Jun;60(3):125–31 (45 ref.)
Purification of lymphocystis disease virus (LDV) grown in tissue culture. Evidences for the presence of two types of viral particles. Robin J, et al. **Rev Can Biol** 1981 Dec; 40(4):323–9

RADIATION EFFECTS

[Comparative studies on susceptibility of viruses to ultraviolet rays] von Brodorotti HS, et al. **Zentralbl Veterinarmed [B]** 1982 Mar;29(2):129–36 (Eng. Abstr.) **(Ger)**

DNAASE see **DEOXYRIBONUCLEASE**

DNASE see **DEOXYRIBONUCLEASE**

DOBUTAMINE see under **CATECHOLAMINES**

DOCA see **DESOXYCORTICOSTERONE**

DOCTOR-PATIENT RELATIONS see **PHYSICIAN-PATIENT RELATIONS**

DOCUMENTATION

see related

RECORDS

A closer examination of neonatal mortality rates among the Texas Spanish surname population. Powell-Griner E, et al. **Am J Public Health** 1982 Sep;72(9):993–9
Documentation in pediatric laryngology. Benjamin B. **Ann Otol Rhinol Laryngol** 1981 Sep–Oct;90(5 Pt 1):478–82
The literature of instrument science and technology. Sydenham PH. **J Phys [E]** 1982 May;15(5):487–91
Health diaries: strategies for compliance and relation to other measures. Norman GR, et al. **Med Care** 1982 Jun; 20(6):623–9
KRAZTUR—a generator for medical documentation and information systems. Ellsässer KH, et al. **Methods Inf Med** 1981 Oct;20(4):191–5
Computing in documentation and scholarly research. Haas WJ. **Science** 1982 Feb 12;215(4534):857–61
[Documentation of central venous catheterization using a computer laboratory system (author's transl)] Baer G, et al. **Anasth Intensivther Notfallmed** 1981 Oct;16(5):262–5 (Eng. Abstr.) **(Ger)**
[Caval catheter report (author's transl)] Hausmann D, et al. **Anasth Intensivther Notfallmed** 1981 Oct;16(5):266–8 **(Ger)**
[Automated biochemical laboratory. II. Technological processes and documentation] Makarovskiĭ VV, et al. **Lab Delo** 1982;(3):54–7 (Eng. Abstr.) **(Rus)**

METHODS

Documenting your patient with photography in office practice. Watanabe RS. **Foot Ankle** 1982 Jan;2(4):190–9
A European network of documentation and information in rehabilitation: its necessity and concept. Schindele R. **Int J Rehabil Res** 1981;4(2):149–56
An activities program in a long term care facility. Curley JS. **QRB** 1981 Sep;7(9):12–8
[The problem of documentation in traumatology] Markgraf E, et al. **Beitr Orthop Traumatol** 1981 Jan;28(1):53–8 (Eng. Abstr.) **(Ger)**
[The meaning of specialist and adequate documentation for retrospective analysis of sicknesses (author's transl)] Scheibe O. **Langenbecks Arch Chir** 1981;355:411–20 (Eng. Abstr.) **(Ger)**
[Medical documentation on surgery and follow-up (author's transl)] Schunck R. **Langenbecks Arch Chir** 1981;355:321–9 (Eng. Abstr.) **(Ger)**

STANDARDS

Improving communication of microbiology test results. Lee A, et al. **Am J Clin Pathol** 1982 Apr;77(4):443–6
Adverse effects of diagnostic tests. A study of the quality of reporting. Fliegel K, et al. **Arch Intern Med** 1982 May; 142(5):883–7
Critical evaluation of the toxicological documents produced for the authorization of drugs according to the Commission of the European Communities Directives. Claude JR. **Arch Toxicol [Suppl]** 1982;5:29–32
Reading abilities of elderly persons in relation to the difficulty of essential documents. Walmsley SA, et al. **Gerontologist** 1982 Feb;22(1):36–8
A comparative study of the effects of documentation on arrhythmia detection efficiency. Breu CS, et al. **Heart Lung** 1981 Nov–Dec;10(6):1058–62
Medication charting system centralizes intravenous fluid, medication reporting. **Hospitals** 1981 Dec 16;55(24):54, 58
Nursing documentation: a format not a form. Barbiasz JE, et al. **J Nurs Adm** 1981 Jun;11(6):22–6
Improving hospital discharge data: lessons from the National Hospital Discharge Survey. Demlo LK, et al. **Med Care** 1981 Oct;19(10):1030–40
[Experience in developing standardized medical documentation for mass population examinations] Brzhezovskiĭ MM. **Vopr Revm** 1981 Apr–Jun;(2):6–10 (Eng. Abstr.) **(Rus)**

DODECANOIC ACIDS see **LAURIC ACIDS**

DOG DISEASES

Animal model of human disease: Inherited early-onset, insulin-requiring diabetes mellitus in keeshond dogs. Kramer JW. **Am J Pathol** 1981 Nov;105(2):194–6
Chondrodysplasia in the Alaskan Malamute: involvement of arteries, as well as bone and blood. Terpin T, et al. **Am J Vet Res** 1981 Nov;42(11):1865–73
Clinical signs, radiology and tissue lead distribution of dogs administered a mixture of lead chloride, lead bromide and lead sulphate. Hamir AN, et al. **Aust Vet J** 1981 Sep; 57(9):401–6
Prostatic adenocarcinoma with concurrent Sertoli cell tumor in a dog. Gill CW. **Can Vet J** 1981 Jul;22(7):230–3
Autoimmune skin diseases in the dog. Parker WM. **Can Vet J** 1981 Oct;22(10):302–4 (11 ref.)
Small animal dentistry. Lane G. **In Pract** 1981 Mar;3(2):23–30
Canine parvovirus infection. McCandlish IA, et al. **In Pract** 1981 May;3(3):5–14
Salmonellosis in dogs with lymphosarcoma. Calvert CA, et al. **J Am Vet Med Assoc** 1982 Jan 1;180(1):56–8
Hypercalcemia in the dog and cat. Drazner FH. **J Am Vet Med Assoc** 1981 Jun 15;178(12):1252–6
Parvovirus infection and distemper vaccination [letter] Glickman LT, et al. **J Am Vet Med Assoc** 1981 May 15; 178(10):1029–31
Burn scar malignancy in a dog. Gourley IM, et al. **J Am Vet Med Assoc** 1982 May 1;180(9):1095–7
Artifactual hypoglycemia [letter] Greene CE. **J Am Vet Med Assoc** 1981 Aug 15;179(4):317–8
Dissolution of a nephrolith in a dog. Kirby R, et al. **J Am Vet Med Assoc** 1981 Apr 15;178(8):827–8
Canine Silica Urolithiasis. Osborne CA, et al. **J Am Vet Med Assoc** 1981 Apr 15;178(8):809–13
Canine struvite urolithiasis: problems and their dissolution. Osborne CA, et al. **J Am Vet Med Assoc** 1981 Aug 1; 179(3):239–44
Inappropriate erythropoietin production from a renal carcinoma in a dog with polycythemia. Peterson ME, et al. **J Am Vet Med Assoc** 1981 Nov 15;179(10):995–6
Parvovirus–distemper relationship [letter] Rottman WL, et al. **J Am Vet Med Assoc** 1981 Aug 15;179(4):318–9
Malignant hyperthermia. Sawyer DC. **J Am Vet Med Assoc** 1981 Aug 15;179(4):341–4

Hypoadrenocorticism following therapy with o,p–DDD for hyperadrenocorticism in four dogs. Willard MD, et al. **J Am Vet Med Assoc** 1982 Mar 15;180(6):638–41
Clinical cases of intestinal obstruction with foreign bodies and intussusception in dogs. Koike T, et al. **Jpn J Vet Res** 1981 Apr;29(1–2):8–15
Pruritus in dogs. **Mod Vet Pract** 1981 Aug;62(8):651–2
Acute fatal pneumothorax in canine dirofilariasis. Saheki Y, et al. **Nippon Juigaku Zasshi** 1981 Jun;43(3):315–28
Symposium on internal medicine and the geriatric patient. **Vet Clin North Am [Small Anim Pract]** 1981 Nov; 11(4):641–814
Myeloproliferative disorders in dogs and cats. Harvey JW. **Vet Clin North Am [Small Anim Pract]** 1981 May; 11(2):349–81 (33 ref.)
Prognathia in pups [letter] Elks MJ. **Vet Rec** 1982 Jun 12; 110(23):565
Chilblain syndrome in dogs [letter] Jepson PG. **Vet Rec** 1981 Oct 24;109(17):392
Hound ataxia [letter] Norton AM. **Vet Rec** 1981 Aug 1; 109(5):106
Hound ataxia [letter] Palmer AC, et al. **Vet Rec** 1981 Jul 11;109(2):43
Lung worms in dogs [letter] Plumb J. **Vet Rec** 1981 Sep 19;109(12):267–8
Injuries to racing greyhounds [letter] Poulter DA. **Vet Rec** 1981 Aug 1;109(5):106
Entropion in a chow puppy [letter] Rhodes A. **Vet Rec** 1982 Feb 13;110(7):159
The anemia of inflammatory disease in the dog. I. The nature of the problem. Feldman BF, et al. **Vet Res Commun** 1981 Apr;4(4):237–52
[Acute paralysis due to cartilaginous emboli of the spinal cord of the dog. (Clinical and pathological studies)] Stünzi H, et al. **Schweiz Arch Tierheilkd** 1981 Aug;123(8):387–99 (Eng. Abstr.) **(Ger)**

BLOOD

Alterations of prothrombin time and activated partial thromboplastin time in dogs with hepatic disease. Badylak SF, et al. **Am J Vet Res** 1981 Dec;42(12):2053–6
Canine cyclic hematopoiesis: blood gas and 2,3–diphosphoglyceric acid studies. Kraisha S, et al. **Am J Vet Res** 1982 Mar;43(3):528–30
Neutrophilic movement of a Basenji with Pelger–Huët anomaly. Latimer KS, et al. **Am J Vet Res** 1982 Mar; 43(3):525–7
Hemostatic changes in dogs with experimental Leptospira interrogans serovar icterohaemorrhagiae infection. Navarro CE, et al. **Am J Vet Res** 1982 May;43(5):904–6
Experimentally induced thiamine deficiency in beagle dogs: clinicopathologic findings. Read DH, et al. **Am J Vet Res** 1982 Jul;43(7):1258–67
Evaluation of a colorimetric method for canine glycosylated hemoglobin. Smith JE, et al. **Am J Vet Res** 1982 Apr; 43(4):700–1
Canine transmissible venereal sarcoma: distribution of T and B lymphocytes in blood, draining lymph nodes and tumours at different stages of growth. Chandler JP, et al. **Br J Cancer** 1981 Oct;44(4):514–21
Clinical laboratory evaluations of seven heartworm infected beagles: during disease development and following treatment. Rawlings CA. **Cornell Vet** 1982 Jan;72(1):49–56
Glycosylated hemoglobin in diabetic and nondiabetic dogs. Mahaffey EA, et al. **J Am Vet Med Assoc** 1982 Mar 15; 180(6):635–7
Acid–base and electrolyte disturbances in dogs with gastric dilatation–volvulus. Muir WW. **J Am Vet Med Assoc** 1982 Aug 1;181(3):229–31
Canine hypoadrenocorticism: report of 37 cases and review of 39 previously reported cases. Willard MD, et al. **J Am Vet Med Assoc** 1982 Jan 1;180(1):59–62 (28 ref.)
Acid–base and electrolyte values in dogs with acute gastric dilatation–volvulus. Wingfield WE, et al. **J Am Vet Med Assoc** 1982 May 1;180(9):1070–2
Studies on hemolysis in canine dirofilarial hemoglobinuria. Lipid alterations in blood serum and red cell membrane. Ishihara K, et al. **Nippon Juigaku Zusshi** 1981 Feb; 43(1):1–11
The hematology and biochemistry of canine postnatal anemia. Mueggler PA, et al. **Prog Clin Biol Res** 1981;55:245–67
Role of serum folate and vitamin B12 concentrations in the differentiation of small intestinal abnormalities in the dog. Batt RM, et al. **Res Vet Sci** 1982 Jan;32(1):17–22
Effect of long–term aspirin treatment on platelet adhesion to chronically damaged canine pulmonary arteries. Schaub RG, et al. **Thromb Haemost** 1981 Dec 23;46(4):680–3
Hemostasis and disorders of coagulation. Green RA. **Vet Clin North Am [Small Anim Pract]** 1981 May; 11(2):289–319 (36 ref.)
The leukocytes. Zinkl JG. **Vet Clin North Am [Small Anim Pract]** 1981 May; 11(2):237–63 (41 ref.)
Discrepancy between haemocytometer and electronic leucocyte counts in neutrophilic dogs. Faulkner M, et al. **Vet Rec** 1982 Feb 27;110(9):202
Blood cellular and biochemical studies in canine dirofilariasis. Sharma MC, et al. **Vet Res Commun** 1982 May;5(3):295–300

CHEMICALLY INDUCED

Tissue gamma–glutamyl transpeptidase activity and hepatic ultrastructural alterations in dogs with experimentally induced glucocorticoid hepatopathy. Badylak SF, et al. **Am J Vet Res** 1982 Apr;43(4):649–55
Effects of alpha chymotrypsin on the canine eye. Barrie KP, et al. **Am J Vet Res** 1982 Feb;43(2):207–16
Distal polyneuropathy after canine heartworm disease therapy complicated by disseminated intravascular coagulation. Dillon AR, et al. **J Am Vet Med Assoc** 1982 Aug 1;181(3):239–42
Thrombocytopenia and hemorrhage associated with gold salt therapy for bullous pemphigoid in a dog. Fadok VA, et al. **J Am Vet Med Assoc** 1982 Aug 1;181(3):261–2
Insulin–induced hyperglycemia in diabetic dogs. Feldman EC, et al. **J Am Vet Med Assoc** 1982 Jun 15;180(12):1432–7
Keratoconjunctivitis sicca associated with sulfonamide therapy in dogs. Morgan RV, et al. **J Am Vet Med Assoc** 1982 Feb 15;180(4):432–4
Acute hepatic necrosis associated with the administration of mebendazole to dogs. Polzin DJ, et al. **J Am Vet Med Assoc** 1981 Nov 15;179(10):1013–6
Naproxen toxicosis in a dog. Roudebush P, et al. **J Am Vet Med Assoc** 1981 Oct 15;179(8):805–6
Naproxen in dogs and cats [letter] Schiltz RA. **J Am Vet Med Assoc** 1982 Jun 15;180(12):1397
Naproxen toxicosis [letter] Smith RE. **J Am Vet Med Assoc** 1982 Jan 15;180(2):107
Hepatic failure following mebendazole administration to a dog. Swanson JF, et al. **J Am Vet Med Assoc** 1982 Jul 1;181(1):72–3
Tetracycline–induced anaphylactic shock in a dog. Ward GS, et al. **J Am Vet Med Assoc** 1982 Apr 1;180(7):770–1
Diamidine poisoning in a dog [letter] van Heerden J. **J S Afr Vet Assoc** 1981 Dec;52(4):338–9
Poisoning after illegal use of paraquat bait [letter] Barton M, et al. **Vet Rec** 1982 Jun 12;110(23):565
Rat bait poisoning [letter] Clark AM. **Vet Rec** 1981 Oct 31; 109(18):413
Bendiocarb poisoning [letter] Humphreys DJ, et al. **Vet Rec** 1981 Jul 11;109(2):43
Dermatitis from carpet cleaner [letter] McAllister E. **Vet Rec** 1982 Jun 12;110(23):565
Grass retardant link with canine gastroenteritis [letter] Taylor NR. **Vet Rec** 1981 Aug 1;109(5):106–7
Hypocalcemic tetany induced by piperazine citrate in a mountain lion. Rettig T. **VM SAC** 1981 Nov;76(11):1632–4
[Splinter and beam (letter)] van der Kamp JS. **Tijdschr Diergeneeskd** 1982 Jun 1;107(11):428–9 **(Dut)**

COMPLICATIONS

Relationship of hypothyroidism to diabetes mellitus, renal amyloidosis, and thrombosis in purebred beagles. Hargis AM, et al. **Am J Vet Res** 1981 Jun;42(6):1077–81
Fetal heart failure in a poodle due to widespread metastatic malignant haemangioendothelioma. Louw GJ, et al. **J S Afr Vet Assoc** 1981 Jun;52(2):151–3

CONGENITAL

Retinal atrophy in a Swiss hound. Bergsjø T, et al. **Am J Vet Res** 1981 Oct;42(10):1785–91
Prothrombin deficiency in a cocker spaniel. Hill BL, et al. **J Am Vet Med Assoc** 1982 Aug 1;181(3):262–3
Persistent hyperplastic primary vitreous and microphthalmia in a dog. Kern TJ. **J Am Vet Med Assoc** 1981 Jun 1; 178(11):1169–71
Deformed poodle pups [letter] Elks MJ. **Vet Rec** 1981 May 23;108(21):465
Congenital tricuspidal insufficiency in two young beagle (Cpb–DoBe67) dogs. Bussink GP, et al. **Z Versuchstierkd** 1981;23(5):303–4

DIAGNOSIS

Evaluation of a human TSH radioimmunoassay as a diagnostic test for canine primary hypothyroidism. Larsson M. **Acta Vet Scand** 1981;22(3–4):589–91
Comparisons of hemagglutination inhibition, staphylococcal clumping, and latex agglutination tests for canine fibrinolytic degradation products. Chen JP, et al. **Am J Vet Res** 1981 Dec;42(12):2049–52
Electrodiagnostic analysis of peripheral neuropathy in dogs with diabetes mellitus. Steiss JE, et al. **Am J Vet Res** 1981 Dec;42(12):2061–4
Serum amylase and lipase activities in the diagnosis of pancreatitis in dogs. Strombeck DR, et al. **Am J Vet Res** 1981 Nov;42(11):1966–70
Counterimmunoelectrophoresis (CIEP) and ELISA tests in the diagnosis of canine leishmaniasis. Mansueto S, et al. **Ann Trop Med Parasitol** 1982 Apr;76(2):229–31
Ingestion of a foreign body by a dog [letter] King NB. **Aust Vet J** 1981 Oct;57(10):483
Comparison of several laboratory tests for quantifying azotaemia in dogs. Watson AD, et al. **Aust Vet J** 1981 Sep;57(9):407–10
The diagnosis of ocular disease in the dog and cat. Bedford PG. **Br Vet J** 1982 Mar–Apr;138(2):93–119 (3 ref.)
Intraocular foreign body in a dog. Bussanich MN, et al. **Can Vet J** 1981 Jul;22(7):207–10
A schirrhous anaplastic carcinoma in two dogs resembling mesothelioma. Hirsch VM, et al. **Can Vet J** 1981 Sep; 22(9):271–6
Microgliomatosis in a Schnauzer dog. Willard MD, et al. **Cornell Vet** 1982 Apr;72(2):211–9
Abnormal insulin secretion in adult canines. Chin HP, et al. **Horm Metab Res** 1981 Sep;13(9):486–91
An uncommon case of hemangiosarcoma in a dog. Allen DG. **J Am Vet Med Assoc** 1982 Apr 1;180(7):769
Primary tracheal leiomyoma in a dog. Black AP, et al. **J Am Vet Med Assoc** 1981 Nov 1;179(9):905–7
Hypoglycemia in four dogs with sepsis. Breitschwerdt EB, et al. **J Am Vet Med Assoc** 1981 May 15;178(10):1072–6
Nephrogenic diabetes insipidus in three dogs. Breitschwerdt EB, et al. **J Am Vet Med Assoc** 1981 Aug 1;179(3):235–8
Canine conjunctival angiokeratomas. Buyukmihci N, et al. **J Am Vet Med Assoc** 1981 Jun 15;178(12):1279–82
Valvular bacterial endocarditis in the dog. Calvert CA. **J Am Vet Med Assoc** 1982 May 1;180(9):1080–4
Giant kidney worm in a dog. Celerin AJ, et al. **J Am Vet Med Assoc** 1981 Aug 1;179(3):245–6
Effect of functional adrenocortical tumors on plasma cortisol and corticotropin concentrations in dogs. Feldman EC. **J Am Vet Med Assoc** 1981 Apr 15;178(8):823–6
Canine hypothyroidism [letter] Ferguson DC. **J Am Vet Med Assoc** 1981 May 15;178(10):1028–9
Nasal penicilliosis in six dogs. Harvey CE, et al. **J Am Vet Med Assoc** 1981 May 15;178(10):1084–7
Pharyngeal mucoceles in dogs. Harvey HJ. **J Am Vet Med Assoc** 1981 Jun 15;178(12):1282–3
Primary hepatic osteosarcoma in a dog. Jeraj K, et al. **J Am Vet Med Assoc** 1981 Nov 15;179(10):1000–3
Insulin–secreting islet cell tumors: establishing a diagnosis and the clinical course for 25 dogs. Kruth SA, et al. **J Am Vet Med Assoc** 1982 Jul 1;181(1):54–8
Canine blastomycosis: a review of 47 clinical cases. Legendre AM, et al. **J Am Vet Med Assoc** 1981 Jun 1;178(11):1163–8
Acute idiopathic polyneuropathy in the dog. Northington JW, et al. **J Am Vet Med Assoc** 1981 Aug 15;179(4):375–9
Diagnosis of canine primary polycythemia and management with hydroxyurea. Peterson ME, et al. **J Am Vet Med Assoc** 1982 Feb 15;180(4):415–8
Plasma cortisol response to exogenous ACTH in 22 dogs with hyperadrenocorticism caused by adrenocortical neoplasia. Peterson ME, et al. **J Am Vet Med Assoc** 1982 Mar 1;180(5):542–4
Neurologic diseases associated with lymphosarcoma in ten dogs. Rosin A. **J Am Vet Med Assoc** 1982 Jul 1;181(1):50–3
Diagnosis of urinary incontinence in dogs: role of the urethral pressure profile. Rosin AE, et al. **J Am Vet Med Assoc** 1981 Apr 15;178(8):814–22
Pseudorabies in a dog. Shell LG, et al. **J Am Vet Med Assoc** 1981 Jun 1;178(11):1159–61
Evaluation of 60–minute blood p–aminobenzoic acid concentration in pancreatic function testing of dogs. Strombeck DR, et al. **J Am Vet Med Assoc** 1982 Feb 15; 180(4):419–21
Cutaneous eosinophilic granuloma in a Labrador retriever. Turnwald GH, et al. **J Am Vet Med Assoc** 1981 Oct 15; 179(8):799–801
Ischiadic nerve entrapment. Walker TL. **J Am Vet Med Assoc** 1981 Jun 15;178(12):1284–8
Neoplasia of the larynx in the dog. Wheeldon EB, et al. **J Am Vet Med Assoc** 1982 Mar 15;180(6):642–7
Echocardiographic assessment of mitral valve motion, cardiac structures, and ventricular function in dogs with atrial fibrillation. Wingfield WE, et al. **J Am Vet Med Assoc** 1982 Jul 1;181(1):46–9
Improved rapid slide agglutination test for presumptive diagnosis of canine brucellosis. Badakhsh FF, et al. **J Clin Microbiol** 1982 Feb;15(2):286–9
Letter to the Editor [letter] Bedford PG. **J Small Anim Pract** 1982 Jan;23(1):66
Discospondylitis in the dog. Bennett D, et al. **J Small Anim Pract** 1981 Aug;22(8):539–47
Canine giant axonal neuropathy; some aspects of its clinical, pathological and comparative features. Duncan ID, et al. **J Small Anim Pract** 1981 Aug;22(8):491–501 (20 ref.)
Arteriovenous fistula in the metatarsal pad of a dog: a case report. Jones DG, et al. **J Small Anim Pract** 1981 Oct; 22(10):635–9
Portosystemic encephalopathy in two young dogs: some additional diagnostic and therapeutic considerations. Maddison JE. **J Small Anim Pract** 1981 Nov;22(11):731–9
Diagnostic exercise. Anderson LC, et al. **Lab Anim Sci** 1982 Apr;32(2):141–2
Endocrine disorders in dogs. **Mod Vet Pract** 1981 Nov; 62(11):891–2
Pediculosis (linognathus setosus) in a dog. Blagburn BL, et al. **Mod Vet Pract** 1981 Jul;62(7):544–5
Pulmonary histoplasmosis in a dog. Gardner CE. **Mod Vet Pract** 1981 Oct;62(10):785–6
Hypercalcemia in the dog. Nelson RW, et al. **Mod Vet Pract** 1981 May;62(5):359–65
Differential diagnosis of pain. Parker AJ. **Mod Vet Pract** 1981 Apr;62(4):283–7
Clinical neurology part 4. Differential diagnosis of pain. Parker AJ. **Mod Vet Pract** 1981 Jul;62(7):519–24
Differential diagnosis of pain. Parker AJ. **Mod Vet Pract** 1981 Aug;62(8):595–9
Differential diagnosis of brain disease. Part 3. Hypermetria and tremors. Parker AJ. **Mod Vet Pract** 1981 Dec; 62(12):919–24
Limb ataxia, paresis, and paralysis. Parker AJ. **Mod Vet Pract** 1981 Nov;62(11):839–45
Head tilt, circling, nystagmus. Parker AJ. **Mod Vet Pract** 1981 Oct;62(10):757–62

Pyometra in a bitch. Rowley J. **Mod Vet Pract** 1981 Aug; 62(8):625–6

Superficial keratitis in dogs. Twitchell MJ. **Mod Vet Pract** 1981 Jul;62(7):537–9

Indirect hemagglutination test for diagnosis of canine filariasis. Hayasaki M. **Nippon Juigaku Zasshi** 1981 Feb; 43(1):21–6

Requirement to confirm the specificity of ELISA reactions [letter] Williams JE, et al. **Trans R Soc Trop Med Hyg** 1982;76(2):280–1

General physical examination of the canine patient. Hardy RM. **Vet Clin North Am [Small Anim Pract]** 1981 Aug; 11(3):453–67

Autoimmune thrombocytopenia in dogs and cats. Jain NC, et al. **Vet Clin North Am [Small Anim Pract]** 1981 May; 11(2):421–34

Bone marrow cytology as an aid to diagnosis. Schalm OW. **Vet Clin North Am [Small Anim Pract]** 1981 May; 11(2):383–404

Autoimmune hemolytic anemia in dogs and cats. Switzer JW, et al. **Vet Clin North Am [Small Anim Pract]** 1981 May; 11(2):405–20

Lymphoproliferative disorders. Lymphocytic leukemia and plasma cell myeloma. Thrall MA. **Vet Clin North Am [Small Anim Pract]** 1981 May; 11(2):321–47 (21 ref.)

Disorders of the spinal cord and spine of the geriatric patient. Walker TL, et al. **Vet Clin North Am [Small Anim Pract]** 1981 Nov; 11(4):765–86 (32 ref.)

Aging and the musculoskeletal system. Weigel J, et al. **Vet Clin North Am [Small Anim Pract]** 1981 Nov; 11(4):749–64

A diagnostic test for the dog heartworm, Dirofilaria immitis. Scherr GH. **Vet Hum Toxicol** 1982 Feb;24(1):1–7

Serological responses of dogs to cell wall and internal antigens of Brucella canis (B. canis). Zoha SJ, et al. **Vet Microbiol** 1982 Mar;7(1):35–50

Dermoid cysts in dogs [letter] Alexander RW. **Vet Rec** 1981 Dec 5;109(23):521–2

Primary autoimmune haemolytic anaemia in the dog. Bennett D, et al. **Vet Rec** 1981 Aug 22;109(8):150–3

Tumours involving the brachial plexus in seven dogs. Carmichael S, et al. **Vet Rec** 1981 May 16;108(20):435–7

Case of isolated sensory trigeminal neuropathy in a dog. Carmichael S, et al. **Vet Rec** 1981 Sep 26;109(13):280–2

Thymic lymphosarcoma cell leukemia [letter] Cheetham CJ, et al. **Vet Rec** 1982 May 8;110(19):457

Thymic lymphosarcoma–cell leukaemia in a crossbred bitch. Finlay DE. **Vet Rec** 1982 Apr 3;110(14):337–8

Lead poisoning of dogs in Australia. Hamir AN. **Vet Rec** 1981 May 16;108(20):438–9

Tetanus in a dog: a case report. Hanson CJ. **Vet Rec** 1982 Apr 3;110(14):336–7

Arthroscopy of the canine stifle joint. Kivumbi CW, et al. **Vet Rec** 1981 Sep 19;109(12):241–9

Persistent penile frenulum in a cocker spaniel. Balke J. **VM SAC** 1981 Jul;76(7):988–90

Thoracic and vertebral osteomyelitis caused by actinomycosis in a dog. Dunbar M Jr, et al. **VM SAC** 1981 Aug;76(8):1159–61

The effects of pregnancy and other factors on the canine ocular fundus. Fisher TM, et al. **VM SAC** 1982 Jan; 77(1):71–2

Use of a modified-RIA test kit to detect hypothyroidism in dogs. Harless SJ, et al. **VM SAC** 1981 Oct;76(10):1454–7

Autoimmune hemolytic anemia in a dog. Marks DL. **VM SAC** 1981 Nov;76(11):1607–9

Oral lesions of histoplasmosis in a dog. Olson GA, et al. **VM SAC** 1981 Oct;76(10):1449–51

Poison caused by ingestion of chokecherry leaves in a dog. Stauffer VD. **VM SAC** 1981 Nov;76(11):1573

Applied kinesiology: its use in veterinary diagnosis. Tiekert CG. **VM SAC** 1981 Nov;76(11):1621–3

Latex agglutination microtiter test for diagnosis of toxoplasma infection in animals. Ohshima S, et al. **Zentral Bakteriol Mikrobiol Hyg [A]** 1981 Sep; 250(3):376–82

[Polyodontia and abnormal forms of teeth in dogs (author's transl)] Kuiper JD, et al. **Tijdschr Diergeneeskd** 1982 Jun 15;107(12):451–7 (Eng. Abstr.) **(Dut)**

[Lymphoid leukemia in two dogs (author's transl)] Breton L, et al. **Can Vet J** 1981 Jul;22(7):218–20 (Eng. Abstr.) **(Fre)**

[Myasthenia gravis in a young dog (author's transl)] Breton L, et al. **Can Vet J** 1981 Oct;22(10):305–8 (Eng. Abstr.) **(Fre)**

[Multiple osteochondromatosis in a female boxer (author's transl)] Van Roye D, et al. **Can Vet J** 1981 Aug; 22(8):248–51 (Eng. Abstr.) **(Fre)**

[Diagnosis of canine herpes virus infection (CHV)] Pospischil A. **Berl Munch Tierarztl Wochenschr** 1981 Aug 1; 94(15):296–8 (Eng. Abstr.) **(Ger)**

[Rapid serologic diagnosis of canine parvo–virus enteritis by the demonstration of virus-specific IgM antibodies (author's transl)] Maess J, et al. **DTW** 1982 Apr 6; 89(4):152–5 (Eng. Abstr.) **(Ger)**

[Clinical aspects of nervous system tumors in dogs and cats] Fankhauser R, et al. **Schweiz Arch Tierheilkd** 1981 Nov; 123(11):553–71 (42 ref.) (Eng. Abstr.) **(Ger)**

[Comparative study of urine in dogs using Urotube vet. Roche, Bactrim–Urotube and standard bacteriological methods] Häusermann L, et al. **Schweiz Arch Tierheilkd** 1981 Sep;123(9):483–90 (Eng. Abstr.) **(Ger)**

[Practolol test for adrenergic beta receptor blockade in veterinary electrocardiographic diagnosis] Grodzki K. **Pol Arch Weter** 1981;23(1):95–101 (Eng. Abstr.) **(Pol)**

DIET THERAPY

Effect of diet on exocrine pancreatic insufficiency in dogs. Pidgeon G. **J Am Vet Med Assoc** 1982 Aug 1;181(3):232–5

DRUG THERAPY

Efficacy of praziquantel against immature Echinococcus multilocularis in dogs and cats. Andersen FL, et al. **Am J Vet Res** 1981 Nov;42(11):1978–9

Effects of an anticholinergic and a corticosteroid on acute pancreatitis in experimental dogs. Attix E, et al. **Am J Vet Res** 1981 Oct;42(10):1668–74

Effect of febantel against Ancylostoma caninum and Trichuris vulpis infections in dogs. Corwin RM, et al. **Am J Vet Res** 1982 Jun;43(6):1100–2

Clinical evaluation of the new compound diphenylsilanediol for ani–epileptic efficacy and toxicity. Cunningham JG, et al. **Am J Vet Res** 1981 Dec;42(12):2178–81

Efficacy of ethylenediamine dihydrochloride in dogs and cats. Finco DR. **Am J Vet Res** 1981 Apr;42(4):670–3

Effect of diazepam pretreatment on succinylcholine–induced muscle fasciculation in the dog. Raffe MR, et al. **Am J Vet Res** 1982 Mar;43(3):510–2

Dantrolene treatment of malignant hyperthermia [letter] Bagshaw RJ, et al. **J Am Vet Med Assoc** 1981 May 15; 178(10):1129

Doxorubicin for treatment of canine lymphosarcoma after development of resistance to combination chemotherapy. Calvert CA, et al. **J Am Vet Med Assoc** 1981 Nov 15; 179(10):1011–2

Treatment of canine heartworm disease coexisting with right–side heart failure. Calvert CA, et al. **J Am Vet Med Assoc** 1982 May 15;180(10):1201–3

Vincristine in the treatment of thrombocytopenia in five dogs. Greene CE, et al. **J Am Vet Med Assoc** 1982 Jan 15; 180(2):140–3

Clinical experience with hydralazine for treatment of otherwise intractable cough in dogs with apparent left–side heart failure. Hamlin RL, et al. **J Am Vet Med Assoc** 1982 Jun 1;180(11):1327–9

DMSO therapy for posterior paralysis [letter] Harris AM. **J Am Vet Med Assoc** 1982 Apr 1;180(7):700, 702

Sodium bicarbonate and bicarbonate precursors for treatment of metabolic acidosis. Hartsfield SM. **J Am Vet Med Assoc** 1981 Nov 1;179(9):914–6

Effect of combined antibiotic therapy on fertility in brood bitches infected with Brucella canis. Johnson CA, et al. **J Am Vet Med Assoc** 1982 Jun 1;180(11):1330–3

Hydralazine Therapy for severe mitral regurgitation in a dog. Kittleson MD, et al. **J Am Vet Med Assoc** 1981 Nov 1; 179(9):903–5

Cyclic combination chemotherapy of canine lymphosarcoma. MacEwen EG, et al. **J Am Vet Med Assoc** 1981 Jun 1; 178(11):1178–81

Gastrointestinal hemorrhage and pancreatitis associated with intervertebral disk diseases in the dog. Moore RW, et al. **J Am Vet Med Assoc** 1982 Jun 15;180(12):1443–7

Evaluation of granulated fenbendazole as a treatment for helminth infections in dogs. Roberson EL, et al. **J Am Vet Med Assoc** 1982 Jan 1;180(1):53–5

Clinical applications of Vinca alkaloids. Rosenthal RC. **J Am Vet Med Assoc** 1981 Dec 1;179(11):1084, 1086

Observations of the immunopathology and therapy of canine pemphigus and pemphigoid. Scott DW, et al. **J Am Vet Med Assoc** 1982 Jan 1;180(1):48–52

Effect of a two–stage antibiotic treatment regimen on dogs naturally infected with Brucella canis. Zoha SJ, et al. **J Am Vet Med Assoc** 1982 Jun 15;180(12):1474–5

Attempted treatment of canine ehrlichiosis with imidocarb dipropionate. Van Heerden J, et al. **J S Afr Vet Assoc** 1981 Sep;52(3):173–5

A retrospective study on 120 natural cases of canine ehrlichiosis. van Heerden J. **J S Afr Vet Assoc** 1982 Mar; 53(1):17–22

The blood glucose response to three prolonged duration insulins in canine diabetes mellitus. Church DB. **J Small Anim Pract** 1981 Jun;22(6):301–10

Experiences with the use of Imizol in treating canine blood parasites in Nigeria. Ogunkoya AB, et al. **J Small Anim Pract** 1981 Dec;22(12):775–7

Field treatment for snakebites in dogs. Kitzner J. **Mod Vet Pract** 1981 Nov;62(11):820

Hydergine as an emetic for dogs. Cahill JI, et al. **NZ Vet J** 1981 Aug;29(8):133–4

Brucella canis infection in dogs: treatment trials. Flores–Castro R, et al. **Rev Latinoam Microbiol** 1981 Apr–Jun;23(2):75–9

Symposium on hormone and corticosteroid therapy. **Vet Clin North Am [Small Anim Pract]** 1982 Feb; 12(1):1–150

Prostaglandin F2 alpha in the treatment of pyometra–metritis. Burke TJ. **Vet Clin North Am [Small Anim Pract]** 1982 Feb;12(1):107–9

Diazoxide treatment of canine insulinoma. Parker AJ, et al. **Vet Rec** 1981 Aug 29;109(9):178–9

Metastatic mammary carcinoma treated with cytotoxic drugs. Riley JH, et al. **Vet Rec** 1982 Jul 3;111(1):8–11

Use of cythioate to control external parasites on cats and dogs. Bowen PM, et al. **VM SAC** 1982 Jan;77(1):79–80

Ketoconazole treatment of osseous blastomycosis in a dog. Dunbar M, et al. **VM SAC** 1981 Nov;76(11):1593–5

The pancreas—3: exocrine pancreatic diseases, acute pancreatitis. Goldston RT, et al. **VM SAC** 1981 Nov; 76(11):1546–9

Preliminary studies on the effect of praziquantel against tapeworms in dogs and cats. Kruckenberg SM, et al. **VM SAC** 1981 May;76(5):689–93

Article is unprofessional [letter] Nesbitt GH, et al. **VM SAC** 1981 Sep;76(9):1248

Corticosteroid treatment of pannus in a German shepherd. Quinn A. **VM SAC** 1982 Jan;77(1):81–4

Cushing syndrome in dogs: treatment with bromocriptine and cyproheptadine. Richkind M. **VM SAC** 1981 Sep; 76(9):1301–4

Summary of safety evaluations for praziquantel in dogs. Shmidl JA, et al. **VM SAC** 1981 May;76(5):692–7

Prednisolone as a treatment for chronic active hepatitis. Thornburg LP, et al. **VM SAC** 1981 Oct;76(10):1435–6

The pancreas—2: diabetes mellitus. Wilkes RD, et al. **VM SAC** 1981 Oct;76(10):1415–8

Efficacy of ivermectin against Sarcoptes scabiei and Otodectes cynotis infestations of dogs. Yazwinski TA, et al. **VM SAC** 1981 Dec;76(12):1749–51

The effect of corticosteroid therapy on infection with Toxocara canis in dogs. Lloyd S, et al. **Z Parasitenkd** 1981; 66(1):57–61

[Bromocriptine (Parlodel) in the treatment of pseudo–pregnancy in bitches (author's transl)] Janssens LA. **Tijdschr Diergeneeskd** 1981 Aug 1;106(15):767–70 (Eng. Abstr.) **(Dut)**

[Silver sulphadiazine cream in the treatment of chronic Pseudomonas infection of the external auditory canal in fifteen dogs (author's transl)] van den Bogaard AE, et al. **Tijdschr Diergeneeskd** 1982 Mar 15;107(6):224–8 (Eng. Abstr.) **(Dut)**

[Tolerance of nitroscanate in dogs] Bachmann J, et al. **Schweiz Arch Tierheilkd** 1981 Sep;123(9):491–4 **(Ger)**

ENZYMOLOGY

Serum lysozyme (muramidase) activity in dogs with neoplastic disease. Feldman BF, et al. **Am J Vet Res** 1981 Aug;42(8):1309–21

Nephelometric determination of serum amylase and lipase in naturally occurring azotemia in the dog. Wagner AE, et al. **Am J Vet Res** 1982 Apr;43(4):697–9

Immunoassay for the steroid–induced isoenzyme of alkaline phosphatase in the dog. Wellman ML, et al. **Am J Vet Res** 1982 Jul;43(7):1200–3

Comparison of the steroid–induced, intestinal, and hepatic isoenzymes of alkaline phosphatase in the dog. Wellman ML, et al. **Am J Vet Res** 1982 Jul;43(7):1204–7

Effects of dexamethasone on pancreatic tissue and on serum amylase and lipase activities in dogs. Parent J. **J Am Vet Med Assoc** 1982 Apr 1;180(7):743–6

Hepatic function test—1: hepatic enzymology. Goldston RT, et al. **VM SAC** 1981 May;76(5):642–5

ETIOLOGY

Pneumatically powered vertebral displacement device for dogs. Fialho SA, et al. **Am J Vet Res** 1982 Jul;43(7):1254–7

Infertility in the dog and bitch. Allen WE, et al. **Br Vet J** 1982 May–Jun;138(3):185–98 (29 ref.)

Experimental parvovirus infection in dogs. Potgieter LN, et al. **Can J Comp Med** 1981 Jul;45(3):212–6

Disseminated mycosis: a danger with systemic corticosteroid therapy [letter] Smith DA, et al. **Can Vet J** 1981 Sep; 22(9):276

Contact dermatitis in a dog from a leather collar. Pomorski Z. **Contact Dermatitis** 1981 Jul;7(4):215–6

Pappus bristles: the cause of burdock stomatitis in dogs. Georgi ME, et al. **Cornell Vet** 1982 Jan;72(1):43–8

Experimental histoplasmosis. I. Puppies exposed to a nautral reservoir of h. Capsulatum. da Costa EO, et al. **Int J Zoonoses** 1981 Jun;8(1):77–84

Inadequate skin preparation as a cause of intravenous catheter–related infection in the dog. Burrows CF. **J Am Vet Med Assoc** 1982 Apr 1;180(7):747–9

Canine brucellosis. Currier RW, et al. **J Am Vet Med Assoc** 1982 Jan 15;180(2):132–3

Canine parvovirus infection potentiates canine distemper encephalitis attributable to modified live–virus vaccine. Krakowka S, et al. **J Am Vet Med Assoc** 1982 Jan 15; 180(2):137–9

Diencephalic syndrome secondary to intracranial astrocytoma in a dog. Nelson RW, et al. **J Am Vet Med Assoc** 1981 Nov 15;179(10):1004–10

Paraplegia and subclinical neuromyopathy associated with a primary lung tumor in a dog. Sorjonen DC, et al. **J Am Vet Med Assoc** 1982 May 15;180(10):1209–11

Fracture–associated sarcoma in the dog. Stevenson S, et al. **J Am Vet Med Assoc** 1982 May 15;180(10):1189–96

Maldigestion and malabsorption in a dog with chronic gastritis. Strombeck DR, et al. **J Am Vet Med Assoc** 1981 Oct 15;179(8):801–5

Sunlight–skin cancer association in the dog: a report of three cases. Madewell BR, et al. **J Cutan Pathol** 1981 Dec; 8(6):434–43

Spastic paresis in two littermate pups caused by Toxoplasma gondii. Nesbit JW, et al. **J S Afr Vet Assoc** 1981 Sep; 52(3):243–6

A case of dysuria as a result of a communication between the urinary bladder and corpus uteri in a Cairn Terrier. van Schouwenburg SJ, et al. **J S Afr Vet Assoc** 1982 Mar; 53(1):65–6

Moldy walnut toxicosis in a dog, caused by the mycotoxin, penitrem A. Richard JL, et al. **Mycopathologia** 1981 Oct 10;76(1):55–8

Induction of interstitial nephritis in dogs treated with rabbit antiserum against renal tubular epithelium. Shirota K, et al. **Nippon Juigaku Zasshi** 1981 Oct;43(5):659–68

Anemias associated with blood loss and hemolysis. Feldman BF. **Vet Clin North Am [Small Anim Pract]** 1981 May; 11(2):265–75

Hypoproliferative anemias and anemias caused by ineffective erythropoiesis. Depression or nonresponsive anemias. Feldman BF. **Vet Clin North Am [Small Anim Pract]** 1981 May;11(2):277–88 (16 ref.)

Acute encephalitis and hydrocephalus in dogs caused by canine parainfluenza virus. Baumgärtner WK, et al. **Vet Pathol** 1982 Jan;19(1):79–92

Dual adenovirus and distemper virus pneumonia in a dog. Ducatelle R, et al. **Vet Q** 1982 Apr;4(2):84–8

Laburnum (Cytisus laburnum) poisoning in two dogs. Leyland A. **Vet Rec** 1981 Sep 26;109(13):287

Bacterial overgrowth causing intestinal malabsorption in a dog. Simpson JW. **Vet Rec** 1982 Apr 3;110(14):335–6

Cocoa poisoning in a dog. Sutton RH. **Vet Rec** 1981 Dec 19;109(25–26):563–4

Unusual eclampsia [letter] Swift BJ. **Vet Rec** 1982 Jul 3; 111(1):22

Lead poisoning in dogs from eating soil [letter] Wignall RJ. **Vet Rec** 1982 Feb 13;110(7):160

Internal hydrocephalus of suspected infectious origin in young dogs. Wouda W, et al. **Zentralbl Veterinarmed [A]** 1981;28(6):481–93

[Electron microscopy of parvoviruses and rotaviruses in canine enteritis] Vaříček L, et al. **Vet Med (Praha)** 1981 Nov;26(11):691–4 (Eng. Abstr.) **(Cze)**

[Caries, enamel hypoplasia, and dental discolouration in dogs (author's transl)] Kuiper JD, et al. **Tijdschr Diergeneeskd** 1982 Jun 15;107(12):457–62 (Eng. Abstr.) **(Dut)**

[Inflammatory lesions caudal to the costal arch following ovariohysterectomy in dogs (author's transl)] Lubberink AA, et al. **Tijdschr Diergeneeskd** 1981 Dec;106(23):1208–14 (Eng. Abstr.) **(Dut)**

[Urological complications following ovariohysterectomy in dogs (author's transl)] Okkens AC, et al. **Tijdschr Diergeneeskd** 1981 Dec;106(23):1189–98 (Eng. Abstr.) **(Dut)**

[Gynaecological complications following ovariohysterectomy in dogs, due to: (1) Partial removal of the ovaries. (2) Inflammation of the uterocervical stump (author's transl)] Okkens AC, et al. **Tijdschr Diergeneeskd** 1981 Nov 15;106(22):1142–58 (Eng. Abstr.) **(Dut)**

[Enterological complications following ovariohysterectomy in dogs (author's transl)] van der Gaag I, et al. **Tijdschr Diergeneeskd** 1981 Dec;106(23):1199–207 (Eng. Abstr.) **(Dut)**

[Cheyletiellosis in Belgium. Dermatitis due to Ch. yasguri (Smiley 1965) in the human and the dog] Famerée L, et al. **Schweiz Arch Tierheilkd** 1981 Nov;123(11):601–4 (Eng. Abstr.) **(Fre)**

[Parvovirus infection of an Alsatian. (Brief report)] Feddersen D. **DTW** 1981 Sep 5;88(9):382 **(Ger)**

FAMILIAL & GENETIC

Enhancement of the biological activities of deoxyribonucleic acid extracted from canine venereal tumours. Anekwe GE. **Afr J Med Med Sci** 1980 Sep–Dec;9(3–4):103–9

Inherited copper toxicosis in Bedlington terriers: Wilson's disease (hepatolenticular degeneration). Owen CA Jr, et al. **Am J Pathol** 1982 Mar;106(3):432–4

Dwarfism in Alaskan malamutes: a disease resembling metaphyseal dysplasia in human beings. Sande RD, et al. **Am J Pathol** 1982 Feb;106(2):224–36

Inheritance of microphthalmia with coloboma in the Australian shepherd dog. Gelatt KN, et al. **Am J Vet Res** 1981 Oct;42(10):1686–90

Inheritance of primary glaucoma in the beagle. Gelatt KN, et al. **Am J Vet Res** 1981 Oct;42(10):1691–3

Von Willebrand's disease in two families of Doberman Pinschers. Johnstone IB, et al. **Can Vet J** 1981 Aug; 22(8):239–43

A new hereditary neuromuscular disease in the dog breed 'Gammel Dansk Honsehund'. Genetic investigations. Flagstad A. **Hereditas** 1982;96(2):211–4

Patterns of occurrence of disk disease among registered dachshunds. Ball MU, et al. **J Am Vet Med Assoc** 1982 Mar 1;180(5):519–22

Clinical and epidemiologic characterization of a diarrheal syndrome in Basenji dogs. Breitschwerdt EB, et al. **J Am Vet Med Assoc** 1982 Apr 15;180(8):914–20

Inheritance of a neuromuscular disorder of Labrador retriever dogs. Kramer JW, et al. **J Am Vet Med Assoc** 1981 Aug 15;179(4):380–1

Clinical features of inherited cerebellar degeneration in Gordon setters. Steinberg HS, et al. **J Am Vet Med Assoc** 1981 Nov 1;179(9):886–90

Hereditary hypertrophic neuropathy in Tibetan Mastiff dogs. Sponenberg DP, et al. **J Hered** 1981 Jul–Aug;72(4):287

Hereditary myotonia in the chow chow. Farrow BR, et al. **J Small Anim Pract** 1981 Jul;22(7):451–65

A generalized chondropathy of joint cartilage leading to deformity of the elbow joints in a litter of Newfoundland dogs. Grøndalen J. **J Small Anim Pract** 1981 Aug; 22(8):523–38

Cataract in the West Highland white terrier. Narfström K. **J Small Anim Pract** 1981 Jul;22(7):467–71

Three intersexual dogs. Allen WE, et al. **Vet Rec** 1981 Nov 21;109(21):468–71

[Breeding and health impairment in dogs (author's transl)] Bouw J. **Tijdschr Diergeneeskd** 1982 Jan 1;107(1):12–20 (Eng. Abstr.) **(Dut)**

[Hereditary features of haemophilia and their consequences in dog-breeding (author's transl)] Slappendel RJ. **Tijdschr Diergeneeskd** 1982 Jan 1;107(1):23–5 (Eng. Abstr.) **(Dut)**

[Hereditary features of progressive retinal atrophy (PRA) and its consequences in dog-breeding (author's transl)] Stades FC. **Tijdschr Diergeneeskd** 1982 Jan 1;107(1):29–32 (Eng. Abstr.) **(Dut)**

[Laryngeal paralysis in Bouviers Belge des Flandres and breeding advice to prevent this condition (author's transl)] Venker-van Haagen AJ. **Tijdschr Diergeneeskd** 1982 Jan 1;107(1):21–2 (Eng. Abstr.) **(Dut)**

IMMUNOLOGY

Immunogenicity and humoral and cell-mediated immune responses to leptospiral whole cell, outer envelope, and protoplasmic cylinder vaccines in hamsters and dogs. Bey RF, et al. **Am J Vet Res** 1982 May;43(5):835–40

Viral antibody studies of laboratory dogs with diarrheal disease. Binn LN, et al. **Am J Vet Res** 1981 Oct; 42(10):1665–7

Lymphocyte blastogenesis in dogs with lymphosarcoma. Calvert CA, et al. **Am J Vet Res** 1982 Jan;43(1):94–101

Induced lymphocytic thyroiditis in dogs: effect of intrathyroidal injection of thyroid autoantibodies. Gosselin SJ, et al. **Am J Vet Res** 1981 Sep;42(9):1565–72

Lymphocytic thyroiditis in dogs; induction with a local graft-versus-host reaction. Gosselin SJ, et al. **Am J Vet Res** 1981 Nov;42(11):1856–64

Effect of vitamin E deficiency on the proliferative response of canine lymphocytes. Langweiler M, et al. **Am J Vet Res** 1981 Oct;42(10):1681–5

Necrotizing vasculitis as an immunological complication in toxicity study. Stejskal V, et al. **Arch Toxicol [Suppl]** 1982; 5:283–6

Sequential changes in peripheral blood leukocyte adherence inhibition (LAI) reactivity during progressive growth and spontaneous regression of canine transmissible venereal sarcoma. Harding MW, et al. **Int J Cancer** 1981 Sep 15; 28(3):361–6

Field evaluation of a canine parvovirus vaccination program, using feline origin modified live virus vaccine. Gordon JC, et al. **J Am Vet Med Assoc** 1982 Jun 15;180(12):1429–31

Distribution of Ehrlichia canis among military working dogs in the world and selected civilian dogs in the United States. Keefe TJ, et al. **J Am Vet Med Assoc** 1982 Aug 1; 181(3):236–8

Maternally derived immunity to canine parvovirus infection: transfer, decline, and interference with vaccination. Pollock RV, et al. **J Am Vet Med Assoc** 1982 Jan 1;180(1):37–42

The Basenji-Greyhound dog model of asthma: leukocyte histamine release, serum IgE, and airway response to inhaled antigen. Peters JE, et al. **J Immunol** 1982 Sep; 129(3):1245–9

Two cases of multiple myeloma in the dog. Finnie JW, et al. **J Small Anim Pract** 1982 Jan;23(1):19–27

Reaginic and hemagglutinating antibody production in dogs infected with Dirofilaria immitis. Hayasaki M. **Nippon Juigaku Zasshi** 1982 Feb;44(1):63–70

Toxoplasmacidal activity of Toxoplasma immune beagle plasma and hydrolyzed plasma lymphokine-like peptide (HP-LKLP) in homologous and heterologous cells. Nagasawa H, et al. **Nippon Juigaku Zasshi** 1981 Dec; 43(6):947–50

Spermagglutination and spermagglutinating activity of serum and tissue extracts from reproductive organs in male dogs experimentally infected with Brucella canis. Serikawa T, et al. **Nippon Juigaku Zasshi** 1981 Aug;43(4):469–90

Immunological changes in canine cruciate ligament rupture. Niebauer GW, et al. **Res Vet Sci** 1982 Mar;32(2):235–41

Cancer and the aging process. Morrison WB, et al. **Vet Clin North Am [Small Anim Pract]** 1981 Nov; 11(4):677–82

Autoimmune lymphocytic thyroiditis in dogs. Gosselin SJ, et al. **Vet Immunol Immunopathol** 1982 Jan;3(1–2):185–201

Atypical rabies virus in cats and a dog in Zimbabwe. Foggin CM. **Vet Rec** 1982 Apr 3;110(14):338

[Immune rabies status of 200 vaccinated dogs from the canton of Zurich] Engels M, et al. **Schweiz Arch Tierheilkd** 1982 Mar;124(3):149–56 (Eng. Abstr.) **(Ger)**

[Effect of various benzimidazole carbamates on somatic larvae of Ancylostoma caninum Ercolani 1859 (Ancylostomidae) and Toxocara canis Werner 1892 (Anisakidae). 3. Immunofluorescent serological studies of antibody levels in treated and untreated dogs] Petrich J, et al. **Zentralbl Veterinarmed [B]** 1981;28(4):292–300 (Eng. Abstr.) **(Ger)**

[Immunological response of dogs to Dirofilaria immitis infection (author's transl)] Hayasaki M, et al. **Nippon Juigaku Zasshi** 1981 Dec;43(6):909–14 (Eng. Abstr.) **(Jpn)**

METABOLISM

Anemia of inflammatory disease in the dog: measurement of hepatic superoxide dismutase, hepatic nonheme iron, copper, zinc, and ceruloplasmin and serum iron, copper, and zinc [letter] Easley R. **Am J Vet Res** 1981 Oct; 42(10):1844

Anemia of inflammatory disease in the dog: ferrokinetics of adjuvant-induced anemia. Feldman BF, et al. **Am J Vet Res** 1981 Apr;42(4):583–5

Anemia of inflammatory disease in the dog: availability of storage iron in inflammatory disease. Feldman BF, et al. **Am J Vet Res** 1981 Apr;42(4):586–9

Reduced, oxidized, and protein-bound glutathione concentrations in normal and cataractous lenses in the dog. Gelatt KN, et al. **Am J Vet Res** 1982 Jul;43(7):1215–7

Adrenal and hepatic calcium stearate crystal deposits in dogs fed a thiamine-deficient diet. Pritzker KP, et al. **Am J Vet Res** 1982 Aug;43(8):1481–8

Experimentally induced thiamine deficiency in beagle dogs: clinical observations. Read DH, et al. **Am J Vet Res** 1981 Jun;42(6):984–91

Interferon induction in healthy and tumor-bearing dogs by cell walls of Mycobacterium bovis strain bacille Calmette-Guérin. Winters WD, et al. **Am J Vet Res** 1982 Jul;43(7):1232–7

Canine glycogen storage disease type II. A biochemical study of an acid alpha-glucosidase-deficient Lapland dog. Walvoort HC, et al. **Biochim Biophys Acta** 1982 Mar 15; 715(1):63–9

Estrogen receptors in canine mammary tumors. MacEwen EG, et al. **Cancer Res** 1982 Jun;42(6):2255–9

Production of presumptive humoral haematopoietic regulators in canine cyclic haematopoiesis. Dunn CD, et al. **Cell Tissue Kinet** 1982 Jan;15(1):1–10

Cyclic nucleotide metabolism in inherited retinopathy in collies a biochemical and histochemical study. Woodford BJ, et al. **Exp Eye Res** 1982 May;34(5):703–14

Transient diabetes mellitus and ketoacidosis in a dog. Edwards DF. **J Am Vet Med Assoc** 1982 Jan 1;180(1):68–70

Mineral composition of urinary calculi from miniature schnauzer dogs. Klausner JS, et al. **J Am Vet Med Assoc** 1981 May 15;178(10):1082–3

Structure analysis of the major oligosaccharides accumulating in canine GM1 gangliosidosis liver. Warner TG, et al. **J Biol Chem** 1982 Jan 10;257(1):224–32

Application of several physical techniques in the total analysis of a canine urinary calculus. Rodgers AL, et al. **J S Afr Vet Assoc** 1981 Jun;52(2):139–42

Pharmacokinetics of sulphadimidine in normal and febrile dogs. Riffat S, et al. **J Vet Pharmacol Ther** 1982 Jun; 5(2):131–5

[Fluorescence microscopic demonstration of estrogen and progesterone receptors in mammary tumors of dogs] Elling H, et al. **Berl Munch Tierarztl Wochenschr** 1981 Dec 1; 94(23):468–71 (Eng. Abstr.) **(Ger)**

[Demonstration of estradiol-17 beta receptors in the bone marrow of dogs] Elling H, et al. **Zentralbl Veterinarmed [A]** 1981;28(7):509–15 (Eng. Abstr.) **(Ger)**

MICROBIOLOGY

Carriage of Campylobacter jejuni in healthy and diarrhoeic dogs and cats [letter] McOrist S, et al. **Aust Vet J** 1982 Jan;58(1):33–4

The genital Mycoplasma and Ureaplasma flora of healthy and diseased dogs. Doig PA, et al. **Can J Comp Med** 1981 Jul;45(3):233–8

Isolation and identification of African horsesickness virus from naturally infected dogs in Upper Egypt. Salama SA, et al. **Can J Comp Med** 1981 Oct;45(4):392–6

Diarrheal condition in dogs associated with viruses antigenically related to feline herpesvirus. Evermann JF, et al. **Cornell Vet** 1982 Jul;72(3):285–91

Infections with Encephalitozoon cuniculi and Leptospira interrogans, serovars grippotyphosa and ballum, in a kennel of foxhounds. Cole JR Jr, et al. **J Am Vet Med Assoc** 1982 Feb 15;180(4):435–7

Generalized parvovirus disease in neonatal pups. Lenghaus C, et al. **J Am Vet Med Assoc** 1982 Jul 1;181(1):41–5

Infection in two dogs with an agent resembling Ehrlichia equi. Madewell BR, et al. **J Am Vet Med Assoc** 1982 Mar 1;180(5):512–4

Canine mycoplasmas: their ecologic niche and role in disease. Rosendal S. **J Am Vet Med Assoc** 1982 May 15; 180(10):1212–4 (30 ref.)

Toxigenic Clostridium perfringens from a parvovirus-infected dog. Tilton RC, et al. **J Clin Microbiol** 1981 Dec;14(6):697–8

Excretion of rabies virus in the saliva of dogs. Fekadu M, et al. **J Infect Dis** 1982 May;145(5):715–9

Haemobartonella canis (Kiküth, 1928) in the blood of dogs with parvovirus disease. Gretillat S. **J Small Anim Pract** 1981 Oct;22(10):647–53

Breed susceptibility to parvovirus. Rowley J. **Med Vet Pract** 1981 Nov;62(11):872–3

Electron microscopy of the tissue phase formation of Blastomyces dermatitidis in vitro and in naturally infected canine lung. Abou-Gabal M, et al. **Mykosen** 1981 Aug; 24(8):497–502

Studies on canine parvovirus isolation, experimental infection and serologic survey. Azetaka M, et al. **Nippon Juigaku Zasshi** 1981 Apr;43(2):243–55

Isolation and properties of adenovirus from canine respiratory tract. Takamura K, et al. **Nippon Juigaku Zasshi** 1982 Apr;44(2):355–7

Microbiological findings in dogs with diarrhoea. Neill SD, et al. **Vet Rec** 1981 Dec 12;109(24):538–9

Microsporum cookei as the suspected cause of ringworm in a dog. Quaife RA, et al. **Vet Rec** 1981 Oct 3;109(14):311

Urogenital tract infection in the bitch. Järvinen AK. **Vet Res Commun** 1981 Apr;4(4):253–69

Concomitant occurrence of Campylobacter and parvoviruses in dogs with gastroenteritis. Sandstedt K, et al. **Vet Res Commun** 1981 Apr;4(4):271–3

Isolation of thermophilic campylobacters from two populations of dogs. Simpson JW, et al. **Vet Res Commun** 1981 Sep;5(1):63–6

Parvovirus: a few observations from a practitioner. Erbeck DH. **VM SAC** 1981 Dec;76(12):1755–8

[Ovario-hysterectomy in the dog (letter)] van den Bogaard A. **Tijdschr Diergeneeskd** 1982 Feb 15;107(4):147–50 **(Dut)**

[Ovario-hysterectomy in dogs. II. (letter)] van den Bogaard A. **Tijdschr Diergeneeskd** 1982 Mar 1;107(5):191–2 **(Dut)**

[Isolation of Campylobacter fetus, subsp, jejuni in animals, particularly in dogs and cats] Schifferli D, et al. **Schweiz Arch Tierheilkd** 1982 Mar;124(3):143–8 (Eng. Abstr.) **(Fre)**

[Incidence of treponema in dogs with intestinal diseases] Meier C, et al. **Berl Munch Tierarztl Wochenschr** 1982 May 15;95(10):185–8 (Eng. Abstr.) **(Ger)**

[Studies on bacterial flora of the alimentary tract of dogs. III. Fecal flora in clinical and experimental cases of diarrhea (author's transl)] Ishikawa H, et al. **Nippon Juigaku Zasshi** 1982 Apr;44(2):343–7 **(Jpn)**

OCCURRENCE

Leishmaniasis in Tuscany (Italy): VI. Canine leishmaniasis in the focus of Monte Argentario (Grosseto). Pozio E, et al. **Acta Trop (Basel)** 1981 Dec;38(4):383–93

Bladder cancer in pet dogs: a sentinel for environmental cancer? Hayes HM Jr, et al. **Am J Epidemiol** 1981 Aug; 114(2):229–33

Prevalence of parasitism diagnosed by fecal examination in Louisiana dogs. Hoskins JD, et al. **Am J Vet Res** 1982 Jun;43(6):1106–9

Rocky Mountain spotted fever in areas of high and low prevalence: survey for canine antibodies to spotted fever rickettsiae. Kelly DJ, et al. **Am J Vet Res** 1982 Aug; 43(8):1429–31

Epizootiologic patterns of diabetes mellitus in dogs. Marmor M, et al. **Am J Vet Res** 1982 Mar;43(3):465–70

Distemper and multiple sclerosis in Sitka, Alaska. Cook SD, et al. **Ann Neurol** 1982 Feb;11(2):192–4

The prevalence of Dirofilaria immitis and other parasites in urban pound dogs in north-eastern Victoria. Blake RT, et al. **Aust Vet J** 1982 Mar;58(3):111–4

A survey of canine cestodes in the Goulburn district in New South Wales. Howkins AB. **Aust Vet J** 1982 Mar; 58(3):121–2

Heartworm in dogs in Canada in 1980. Slocombe JO, et al. **Can Vet J** 1981 Jun;22(6):201–3

Carcinoma of the nasal cavity and paranasal sinuses in dogs: descriptive epidemiology. Hayes HM Jr, et al. **Cornell Vet** 1982 Apr;72(2):168–79

Canine brucellosis in São Paulo: serologic survey of kennel and stray dogs. Larsson MH, et al. **Int J Zoonoses** 1981 Jun;8(1):85–90

Canine heartworm infection in southern California. Corselli NJ, et al. **J Am Vet Med Assoc** 1981 Jun 15;178(12):1278–9

Malignant neoplasia of canine ribs: clinical, radiographic, and pathologic findings. Feeney DA, et al. **J Am Vet Med Assoc** 1982 Apr 15;180(8):927–33

Veterinary nosocomial (hospital-acquired) Klebsiella infections. Glickman LT. **J Am Vet Med Assoc** 1981 Dec 15;179(12):1389–92

Rocky Mountain spotted fever in a dog [letter] Hill GD. **J Am Vet Med Assoc** 1982 Jan 1;180(1):26

Gastric dilatation-volvulus in the dog, with emphasis on cardiac arrhythmias. Muir WW. **J Am Vet Med Assoc** 1982 Apr 1;180(7):739–42

Cardiomyopathy of English cocker spaniels. Staaden RV. **J Am Vet Med Assoc** 1981 Jun 15;178(12):1289–92

Urolithiasis in dogs from villages in Bulgaria. Stoichev II. **J Comp Pathol** 1980 Oct;90(4):619–23

Dirofilaria immitis in stray dogs from Richmond County, Georgia. Lindemann BA, et al. **J Parasitol** 1981 Oct; 67(5):746–7

A study of skin diseases in dogs and cat. VII. Ringworm infection. Kristensen S, et al. **Nord Vet Med** 1981 Mar; 33(3):134–40

[A survey of gastro-intestinal helminths of dogs in New Zealand. Collins GH. **NZ Vet J** 1981 Sep;29(9):163–4

Screwworm myiasis caused by Chrysomyia bezziana in zoo and domestic animals in Malaysia: a report of 3 cases. Werner RM, et al. **Proc Annu Meet US Anim Health Assoc** 1980;84:339–42

Studies on the epidemiology of Uncinaria stenocephala infections in British greyhounds: development and persistence of larvae on herbage. Walker MJ, et al. **Res Vet Sci** 1981 Sep;31(2):264–5

Canine cutaneous leishmaniasis in Manaus, Amazonas State, Brazil [letter] Mayrink W, et al. **Trans R Soc Trop Med Hyg** 1981;75(5):757–8

Epidemiologic considerations of ethylene glycol intoxication in small animals. Mueller DH. **Vet Hum Toxicol** 1982 Feb; 24(1):21–4

Incidence of otitis externa in dogs and cats in Japan. Baba E, et al. **Vet Rec** 1981 May 2;108(18):393–5

Canine parvovirus infection in Australia during 1980. Sabine M, et al. **Vet Rec** 1982 Jun 12;110(23):551–3

Fifteen cases of prostatic carcinoma in the dog. Weaver AD. **Vet Rec** 1981 Jul 25;109(4):71–75

Campylobacter enteritis in dogs and cats: a 'new' zoonosis. Skirrow MB. **Vet Res Commun** 1981 Sep;5(1):13–9 (30 ref.)

Helminth injections of dogs in central Texas. Smith JP, et al. **VM SAC** 1981 Nov;76(11):1627–9

[Toxocara canis as a cause of visceral larva migrans. Survival and development of eggs in the environment and potential ways of transmission to man: a review] Korsholm E. **Nord Vet Med** 1982 Jan–Feb;34(1–2):1–12 (46 ref.) (Eng. Abstr.) **(Dan)**

[Isospora infections in dogs and cats] Boch J, et al. **Berl Munch Tierarztl Wochenschr** 1981 Oct 1;94(19):384–91 (44 ref.) (Eng. Abstr.) **(Ger)**

[Occurrence of comedocarcinoma in dogs] Schönbauer M. **Berl Munch Tierarztl Wochenschr** 1981 Sep 1;94(17):333–5 (Eng. Abstr.) **(Ger)**

[Research on the distribution of subclinical salmonellosis of the dog in Sardinia] Ximenes LA, et al. **Boll Soc Ital Biol Sper** 1981 May 30;57(10):1139–42 **(Ita)**

[Research on the intestinal parasitic fauna of the dog in some semi-urban and rural zones of the Province of Forli] Bazzocchi F, et al. **Parassitologia** 1980 Jan–Aug; 22(1–2):149–54 **(Ita)**

[Finding of Sarcocystis cruzi in a dog of the city of Bologna] Poglayen G, et al. **Parassitologia** 1980 Jan–Aug; 22(1–2):155–6 **(Ita)**

[Canine parvovirus infection in a group of beagles (author's transl)] Baba M, et al. **Jikken Dobutsu** 1981 Apr;30(2):141–4 (Eng. Abstr.) **(Jpn)**

[Canine cutaneous leishmaniasis in Venezuela] Bonfante-Garrido R, et al. **Bol Of Sanit Panam** 1981 Aug; 91(2):160–5 (Eng. Abstr.) **(Spa)**

PARASITOLOGY

Comparison of suitability of dogs and cats as hosts of Echinococcus multilocularis. Crellin JR, et al. **Am J Vet Res** 1981 Nov;42(11):1980–1

Prevalence of Dirofilaria immitis microfilariaemia in 6- to 8-week-old pups [letter] Atwell RB. **Aust Vet J** 1981 Oct; 57(10):479

Adult Toxocara canis in the pancreas and peritoneal cavity of a pup [letter] Jones K. **Aust Vet J** 1981 Jul;57(7):349

Parasitic nematode (Lagochilascaris major) associated with a purulent draining tract in a dog. Craig TM, et al. **J Am Vet Med Assoc** 1982 Jul 1;181(1):69–70

Clinical observations on Babesia gibsoni and Babesia canis infections in dogs. Farwell GE, et al. **J Am Vet Med Assoc** 1982 Mar 1;180(5):507–11

Four types of occult Dirofilaria immitis infection in dogs. Rawlings CA, et al. **J Am Vet Med Assoc** 1982 Jun 1; 180(11):1323–6

Diagnosis of ectoparasitism. Klayman E, et al. **Mod Vet Pract** 1981 Oct;62(10):767–71

Sporocysts of Sarcocystis cruzi in mesenteric lymph nodes of dogs. Shimura K, et al. **Natl Inst Anim Health Q (Tokyo)** 1981 Winter;21(4):186–7

Armigeres subalbatus incriminated as an important vector of the dog heartworm Dirofilaria immitis and the bird Cardiofilaria in urban Kuala Lumpur. Cheong WH, et al. **Southeast Asian J Trop Med Public Health** 1981 Dec; 12(4):611–2

Differentiation of canine and cutaneous leishmaniasis strains in Senegal [letter] Desjeux P, et al. **Trans R Soc Trop Med Hyg** 1982;76(1):132–3

Sarcocystis of white-tailed deer (Odocoileus virginianus) and its transmission to the dog (Canis familiaris). Entzeroth R, et al. **Tropenmed Parasitol** 1982 Jun;33(2):111–2

Light and electron microscopic pulmonary lesions associated with retained microfilariae in canine occult dirofilariasis. Castleman WL, et al. **Vet Pathol** 1982 Jul;19(4):355–64

Prevalence of Sarcocystis species and other parasites in hunting dogs in Gwynedd, North Wales. Balmer TV, et al. **Vet Rec** 1982 Apr 3;110(14):331–2

Ultrastructure of gamonts and gametes and fertilization of Sarcocystis sp. from the roe deer (capreolus capreolus) in dogs. Entzeroth R. **Z Parasitenkd** 1982;67(2):147–53

[Contribution to the knowledge of Taenia crassiceps (Zeder, 1800) Rudolphi, 1810 (Cestoda, Taeniidae) (author's transl)] Rietschel G. **Z Parasitenkd** 1981;65(3):309–15 (Eng. Abstr.) **(Ger)**

[Effect of various benzimidazole carbamates on somatic larvae of Ancylostoma caninum Ercolani 1859 (Ancylostomidae) and Toxacara canis Werner 1782 (Anisakidae). 2. Studies of pregnant bitches] Bosse M, et al. **Zentralbl Veterinarmed [B]** 1981;28(4):265–79 (Eng. Abstr.) **(Ger)**

[Behavior of Toxocara canis Werner 1782 (Anisakidae) larvae during and following lung migration in the definitive host (beagle)] Manhardt J, et al. **Zentralbl Veterinarmed [B]** 1981;28(5):386–406 (Eng. Abstr.) **(Ger)**

[Canine echinococcosis in a rural area of Valdivia, Chile (author's transl)] Ernst S, et al. **Bol Chil Parasitol** 1980 Jul–Dec;35(3–4):76–8 (Eng. Abstr.) **(Spa)**

PATHOLOGY

Coonhound paralysis. Further clinical studies and electron microscopic observations. Cummings JF, et al. **Acta Neuropathol (Berl)** 1982;56(3):167–78

A suspected new canine storage disease. Hartley WJ, et al. **Acta Neuropathol (Berl)** 1982;56(3):225–32

Dysmyelination in Chow Chow dogs: further studies in older dogs. Vandevelde M, et al. **Acta Neuropathol (Berl)** 1981; 55(2):81–7

Chondrodysplasia in the Norwegian Elkhound. Bingel SA, et al. **Am J Pathol** 1982 May;107(2):219–29

Hypercalcemia of malignancy: Hypercalcemia associated with an adenocarcinoma of the apocrine glands of the anal sac. Meuten DJ, et al. **Am J Pathol** 1982 Sep;108(3):366–70

Ultrastructural evaluation of adenocarcinomas derived from apocrine glands of the anal sac associated with hypercalcemia in dogs. Meuten DJ, et al. **Am J Pathol** 1982 May;107(2):167–75

Sequential morphologic and clinicopathologic alterations in dogs with experimentally induced glucocorticoid hepatopathy. Badylak SF, et al. **Am J Vet Res** 1981 Aug; 42(8):1310–8

Early, asymptomatic stage of degenerative joint disease in canine hip joints. Lust G, et al. **Am J Vet Res** 1981 Nov; 42(11):1849–55

Experimental infection of conventional dogs with canine parvovirus. McAdaragh JP, et al. **Am J Vet Res** 1982 Apr; 43(4):693–6

Effect of localized trauma and temporary splinting on immature skeletal muscle and mobility of the femorotibial joint in the dog. Shires PK, et al. **Am J Vet Res** 1982 Mar; 43(3):454–60

Developing coxal joint of the dog: gross morphometric and pathologic observations. Shively MJ, et al. **Am J Vet Res** 1982 Feb;43(2):185–94

Ultrastructural alterations in the fibrous sheath, endocardium, and myocardium of dogs shocked with chronically implanted automatic defibrillator leads. Van Vleet JF, et al. **Am J Vet Res** 1982 May;43(5):909–15

Tissue reaction to suture materials in infected surgical wounds—a histopathologic evaluation. Varma S, et al. **Am J Vet Res** 1981 Apr;42(4):563–70

Bronchoalveolar lavage in beagle dogs [letter] Fein AM, et al. **Am Rev Respir Dis** 1982 Jul;126(1):184–5

Cytological study on the anterior pituitary of senile untreated beagle bitches with spontaneous mammary tumours. Attia MA. **Arch Toxicol** 1982 May;50(1):35–45

Pathogenesis of rabies in dogs inoculated with an Ethiopian rabies virus strain. Immunofluorescence, histologic and ultrastructural studies of the central nervous system. Fekadu M, et al. **Arch Virol** 1982;71(2):109–26

Retardation of endochondral ossification at the distal ulnar growth plate in dogs. Johnson KA. **Aust Vet J** 1981 Oct; 57(10):474–8

Cryptococcosis in dogs: a report on 6 cases. Sutton RH. **Aust Vet J** 1981 Dec;57(12):558–64

Ocular lesions of blastomycosis in the dog. Buyukmihci N. **J Am Vet Med Assoc** 1982 Feb 15;180(4):426–31

Hypoglycemia and polyclonal gammopathy in a dog with plasma cell dyscrasia. DiBartola SP, et al. **J Am Vet Med Assoc** 1982 Jun 1;180(11):1345–9

Tracheal mast cell tumor in a dog. Harvey HJ, et al. **J Am Vet Med Assoc** 1982 May 1;180(9):1097–100

Chronic active hepatitis in Doberman pinschers. Johnson GF, et al. **J Am Vet Med Assoc** 1982 Jun 15;180(12):1438–42

Myocardial necrosis secondary to neural lesions in domestic animals. King JM, et al. **J Am Vet Med Assoc** 1982 Jan 15;180(2):144–8

Canine cutaneous lymphoma. McKeever PJ, et al. **J Am Vet Med Assoc** 1982 Mar 1;180(5):531–6

Disseminated necrotizing panniculitis and pancreatic nodular hyperplasia in a dog. Moreau PM, et al. **J Am Vet Med Assoc** 1982 Feb 15;180(4):422–5

Clinicopathologic manifestations of progressive renal disease in Lhasa Apso and Shih Tzu dogs. O'Brien TD, et al. **J Am Vet Med Assoc** 1982 Mar 15;180(6):658–64

Multiple endocrine neoplasia in a dog. Peterson ME, et al. **J Am Vet Med Assoc** 1982 Jun 15;180(12):1476–8

Epidural dirofilariasis causing paraparesis in a dog. Shires PK, et al. **J Am Vet Med Assoc** 1982 Jun 1;180(11):1340–3

Lateral hermaphroditism in a dog. Tangner CH, et al. **J Am Vet Med Assoc** 1982 Jul 1;181(1):70–1

Colonic adenocarcinoma with cutaneous metastasis in a dog. Tomlinson MJ, et al. **J Am Vet Med Assoc** 1982 Jun 1; 180(11):1344–5

An electron microscopic study of the cell types in canine lymphoma and leukaemia. Chapman AL, et al. **J Comp Pathol** 1981 Jul;91(3):331–40

Measurement of the rate of death of dog tumour cells transplanted into athymic 'nude' mice. Holmes JM. **J Comp Pathol** 1981 Oct;91(4):511–9

Clinical-pathological findings and cytochemical characterization of myelomonocytic leukaemia in 5 dogs. Jain NC, et al. **J Comp Pathol** 1981 Jan;91(1):17–31

Eosinophilic enteritis in the dog: a case report with a brief review of the literature. Quigley PJ, et al. **J Comp Pathol** 1981 Jul;91(3):387–92

Glomerular lesions in chronic interstitial nephritis in the dog: histological and ultrastructural features. Spencer AJ, et al. **J Comp Pathol** 1981 Jul;91(3):393–408

An ultrastructural study of canine mesothelioma. Trigo FJ, et al. **J Comp Pathol** 1981 Oct;91(4):531–7

The pathology of liver tumours in the dog. Trigo FJ, et al. **J Comp Pathol** 1982 Jan;92(1):21–39

Malignant pilomatricoma in a dog. Goldschmidt MH, et al. **J Cutan Pathol** 1981 Oct;8(5):375–81

Shaking pups: a disorder of central myelination in the spaniel dog. II. Ultrastructural observations on the white matter of the cervical spinal cord. Griffiths IR, et al. **J Neurocytol** 1981 Oct;10(5):847–58

Canine parvovirus myocarditis: clinical signs and pathological lesions encountered in natural cases. Bastianello SS. **J S Afr Vet Assoc** 1981 Jun;52(2):105–8

Hyperplastic toenail in a crossbred poodle dog. Louw GJ, et al. **J S Afr Vet Assoc** 1981 Jun;52(2):167–8 **(Eng, Afr)**

Cerebellar cortical atrophy in a puppy. Nesbit JW, et al. **J S Afr Vet Assoc** 1981 Sep;52(3):247–50

Ammonium acid urate calculi in a cross-bred yorkshire terrier. Rubinstein R, et al. **J S Afr Vet Assoc** 1981 Jun; 52(2):147–9

An outbreak of African horsesickness in dogs. Van Rensberg IB, et al. **J S Afr Vet Assoc** 1981 Dec;52(4):323–5

Multiple cartilaginous exostoses in a dog. Finnie JW, et al. **J Small Anim Pract** 1981 Sep;22(9):597–602

Cryptococcal infection of the central nervous system of a dog in the United Kingdom. Palmer AC, et al. **J Small Anim Pract** 1981 Sep;22(9):579–86

Necrotizing pulmonary arteritis in a dog with patent ductus arteriosus. Turk JR, et al. **J Small Anim Pract** 1981 Sep; 22(9):603–8

Pathology of motor neurons in accelerated hereditary canine spinal muscular atrophy. Cork LC, et al. **Lab Invest** 1982 Jan;46(1):89–99

Membranous nephropathy in the cat and dog: a renal biopsy and follow-up study of sixteen cases. Wright NG, et al. **Lab Invest** 1981 Sep;45(3):269–77

Two cases of localized mastocytosis in tracheobronchial lymph nodes of the beagle. Oghiso Y, et al. **Nippon Juigaku Zasshi** 1981 Oct;43(5):749–53

Histological and Ultrastructural findings of regressing canine transmissible venereal tumor after repeated transplantation. Otomo K, et al. **Nippon Juigaku Zasshi** 1981 Dec; 43(6):823–32

Electron microscopic findings on epithelial cells of Lieberkühn's crypts in canine parvovirus infection. Yasoshima A, et al. **Nippon Juigaku Zasshi** 1982 Feb; 44(1):81–8

Pathology of natural canine adenovirus pneumonia. Ducatelle R, et al. **Res Vet Sci** 1981 Sep;31(2):207–12

A 125IUdR technique for measuring the cell loss from subcutaneously growing canine transmissible venereal tumours. Holmes JM. **Res Vet Sci** 1981 Nov;31(3):306–11

Histopathologic observations on Sertoli cell tumors in dog. Finazzi M, et al. **Tumori** 1981 Oct 31;67(5):391–8

Dirofilarial dermatitis in dogs. Chakrabarti A, et al. **Vet Parasitol** 1982 Feb;9(3–4):277–80

Ultrastructural evaluation of the acute encephalitis and hydrocephalus in dogs caused by canine parainfluenza virus. Baumgärtner WK, et al. **Vet Pathol** 1982 May; 19(3):305–14

Hypothyroid myopathy in two dogs. Braund KG, et al. **Vet Pathol** 1981 Sep;18(5):589–98

Lesions of the enamel organ of developing dog teeth following experimental inoculation of gnotobiotic puppies with canine distemper virus. Dubielzig RR, et al. **Vet Pathol** 1981 Sep;18(5):684–9

Nodular hyperplasia of the liver in the beagle dog. Fabry A, et al. **Vet Pathol** 1982 Mar;19(2):109–19

Ultrastructural studies on lymphocytes in canine neuronal ceroid-lipofuscinosis. Goebel HH, et al. **Vet Pathol** 1981 Sep;18(5):690–2

Botryoid rhabdomyosarcoma in the urinary bladder of a dog. Pletcher JM, et al. **Vet Pathol** 1981 Sep;18(5):695–7

Osteosarcoma metastatic to the globes in a dog. Render JA, et al. **Vet Pathol** 1982 May;19(3):323–6

Transitional cell carcinoma metastatic to the eye of a dog. Schmidt RE. **Vet Pathol** 1981 Nov;18(6):832–4

Granular basal cell tumors in the skin of three dogs: a distinct histopathologic entity. Seiler RJ. **Vet Pathol** 1982 Jan; 19(1):23–9

Oval lipid corneal opacities in beagles. Spangler WL, et al. **Vet Pathol** 1982 Mar;19(2):150–9

Canine intestinal carcinoids. Sykes GP, et al. **Vet Pathol** 1982 Mar;19(2):120–31

Light and electron microscopic study of the large pale cell in a canine malignant melanoma. Turk JR, et al. **Vet Pathol** 1981 Nov;18(6):829–32

Immunohistological studies on primary reticulosis of the canine brain. Vandevelde M, et al. **Vet Pathol** 1981 Sep; 18(5):577–88

Persistent insect bite granuloma in a dog. Walder EJ, et al. **Vet Pathol** 1981 Nov;18(6):839–41

Canine hypertrophic osteodystrophy, a study of the spontaneous disease in littermates. Woodard JC. **Vet Pathol** 1982 Jul;19(4):337–54

Intramedullary spinal ependymoma in a dog. Zachary JF, et al. **Vet Pathol** 1981 Sep;18(5):697–700

Macrophage cells in the semen of a dog with oligospermia. Allen WE. **Vet Rec** 1981 Oct 3;109(14):310–1

Osteochondritis dissecans and fragmentation of the coronoid process in the elbow joint of the dog. Bennett D, et al. **Vet Rec** 1981 Oct 10;109(15):329–36

Ossified lesions in canine aortic spirocercosis. Kumar N, et al. **Vet Rec** 1981 Aug 15;109(7):142–3

Uncinariasis in kennelled foxhounds. Pearson GR, et al. **Vet Rec** 1982 Apr 3;110(14):328–31

Hepatoportal fibrosis in three young dogs. Van Den Ingh TS, et al. **Vet Rec** 1982 Jun 19;110(25):575–7

Malignant thymoma with metastases in a dog. Al-Zubaidy AJ. **Vet Rec** 1981 Nov 28;109(22):490–2

Ultrastructural changes of bone marrow in canine cyclic hematopoiesis (CH dog). A sequential study. Machado EA, et al. **Virchows Arch [Pathol Anat]** 1981;390(1):93–108

Urethral adenocarcinoma in a dog. Ryan CP, et al. **VM SAC** 1981 Sep;76(9):1315–7

[Acute viral enteritis in dogs] Jelínek F. **Cesk Patol** 1982 May;18(2):74–80 (Eng. Abstr.) **(Cze)**

[Parvovirus enteritis and myocarditis in a confined colony of beagles. (The 1st detection of parvovirus infection in Czechoslovakia] Vortel V, et al. **Cesk Patol** 1982 May; 18(2):65–73 (Eng. Abstr.) **(Cze)**

[Mammary tumors in male dogs] Schönbauer M. **Berl Munch Tierarztl Wochenschr** 1981 Aug 15; 94(16):319–21 (Eng. Abstr.) **(Ger)**

[Atlanto-axial subluxation in the dog] Lakatos L, et al. **Schweiz Arch Tierheilkd** 1981 Sep;123(9):455–65 (Eng. Abstr.) **(Ger)**

[Herpesvirus infections in puppies: virological data and histopathological findings] Cravero GC, et al. **Schweiz Arch Tierheilkd** 1981 Jul;123(7):363–72 (Eng. Abstr.) **(Ita)**

[Growth and regression course of canine transmissible sarcoma transplanted into beagles and mongrel dogs (author's transl)] Kudo T, et al. **Nippon Juigaku Zasshi** 1981 Jun;43(3):421–8 (Eng. Abstr.) **(Jpn)**

PHYSIOPATHOLOGY

Endothelial repair of the canine cornea. Befanis PJ, et al. **Am J Vet Res** 1981 Apr;42(4):590–5

Effect of peripheral anosmia in dogs trained as flavor validators. Houpt KA, et al. **Am J Vet Res** 1982 May; 43(5):841–3

Monosynaptic reflex (H wave) in clinically normal and abnormal dogs. Knecht CD, et al. **Am J Vet Res** 1981 Sep; 42(9):1586–9

Central blood volume and lung extravascular thermal volume in dogs with dirofilariasis. Olson NC, et al. **Am J Vet Res** 1982 Jun;43(6):1019–22

Suppression of growth hormone secretion in spontaneous canine hyperadrenocorticism and its reversal after treatment. Peterson ME, et al. **Am J Vet Res** 1981 Nov; 42(11):1881–3

Exercise in the dog with Dirofilaria immitis infection. Rawlings CA. **Am J Vet Res** 1981 Dec;42(12):2057–60

Canine cyclic haematopoiesis: bone marrow adherent cell influence of CFU-C formation. Jones JB, et al. **Br J Haematol** 1982 Apr;50(4):607–17

Objective tinnitus in the dog. Decker TN, et al. **J Am Vet Med Assoc** 1982 Jan 1;180(1):74

ECG of the month. Congestive cardiomyopathy in a dog. Jacobs G. **J Am Vet Med Assoc** 1982 Apr 15;180(8):860–1

Hypovolemic shock in the military working dog. Jennings PB Jr. **Milit Med** 1982 May;147(5):372–6

A transient deficit in neutrophilic chemotaxis in a dog with recurrent staphylococcal pyoderma. Latimer KS, et al. **Vet Pathol** 1982 May;19(3):223–9

Inappropriate marrow release of hematopoietic precursors in three dogs. Shull RM. **Vet Pathol** 1981 Sep;18(5):569–76

[Neoformation of hyalin cartilage on the joint surface] Somogyvári K, et al. **Schweiz Arch Tierheilkd** 1981 Jul; 123(7):345–53 (Eng. Abstr.) **(Ger)**

[Idiopathic neurologic diseases in dogs and cats in Japan from the viewpoint of animal models of human disease (author's transl)] Tokuriki M, et al. **Jikken Dobutsu** 1981 Jul; 30(3):233–40 (Eng. Abstr.) **(Jpn)**

PREVENTION & CONTROL

Leptospiral vaccines in dogs: immunogenicity of whole cell and outer envelope vaccines prepared in protein-free medium. Bey RF, et al. **Am J Vet Res** 1982 May;43(5):831–4

Canine infectious tracheobronchitis: effects of an intranasal live canine parainfluenza-Bordetella bronchiseptica vaccine on viral shedding and clinical tracheobronchitis (kennel cough). Kontor EJ, et al. **Am J Vet Res** 1981 Oct; 42(10):1694–8

The application of a food incorporating praziquantel in the treatment and control of Echinococcus granulosus infections in dogs [letter] Gemmell MA, et al. **Aust Vet J** 1982 Mar;58(3):120–1

The failure of an inactivated mink enteritis virus vaccine in four preparations to provide protection to dogs against challenge with canine parvovirus-2. Carman S, et al. **Can J Comp Med** 1982 Jan;46(1):47–50

Development of a vaccine incorporating killed virus of canine origin for the prevention of canine parvovirus infection. Povey C. **Can Vet J** 1982 Jan;23(1):15–21

Intranasal vaccine trial for canine infectious tracheobronchitis (kennel cough). Glickman LT, et al. **Lab Anim Sci** 1981 Aug;31(4):397–9

Rabies vaccination: field observations during epizootics in dogs. Clark KA, et al. **Mod Vet Pract** 1981 Dec; 62(12):907–11

Canine parvovirus infection [letter] Blunt MH. **NZ Vet J** 1980 Dec;28(12):267

Vaccination against canine parvovirus disease [letter] Churchill AE. **Vet Rec** 1982 Apr 3;110(14):344

Immunity to canine adenovirus respiratory disease: a comparison of attenuated CAV-1 and CAV-2 vaccines. Cornwell HJ, et al. **Vet Rec** 1982 Jan 9;110(2):27–32

Vaccination against canine parvovirus disease [letter] Folkers C, et al. **Vet Rec** 1982 Mar 6;110(10):235

Duration of immunity in dogs inoculated with an inactivated feline parvovirus vaccine. Chapek ML, et al. **VM SAC** 1981 Sep;76(9):1319–24

RADIOGRAPHY

Dynamic compression of the cervical spinal cord. Olsson SE, et al. **Acta Vet Scand** 1982;23(1):65–78

Indirect imaging of the canine optic nerve, using metrizamide (optic thecography). LeCouteur RA, et al. **Am J Vet Res** 1982 Aug;43(8):1424–8

A suspected case of enostosis in a German shepherd dog [letter] Wood AK, et al. **Aust Vet J** 1981 Jul;57(7):349–50

Exercise in diagnostic radiology. Pyopneumothorax, secondary to distemper pneumonia. Farrow CS. **Can Vet J** 1981 Jun;22(6):182–3

Exercise in diagnostic radiology. Pulmonary calcification. Farrow CS. **Can Vet J** 1981 Oct;22(10):309–10

Radiology of the gastrointestinal tract of small animals. Rendano VT Jr. **Can Vet J** 1981 Nov;22(11):331–4

What is your diagnosis? Burt JK. **J Am Vet Med Assoc** 1982 Aug 1;181(3):295–6

Radiographic appearance of canine parvovirus enteritis. Farrow CS. **J Am Vet Med Assoc** 1982 Jan 1;180(1):43–7

What is your diagnosis? Case 2. Pneumothorax with collapse of the left caudal lung lobe. Grain E Jr, et al. **J Am Vet Med Assoc** 1981 Nov 15;179(10):1024–6

What is your diagnosis? Hawk LM. **J Am Vet Med Assoc** 1982 Jun 15;180(12):1485–6

What is your diagnosis? 1) Multiple midabdominal foreign bodies of mineral density. 2) A triangular mass (3 cm) protruding into the laryngeal lumen obstructing the airway. Kennerly J 3d, et al. **J Am Vet Med Assoc** 1981 Apr 15; 178(8):845–8

Computed tomography of orbital tumors in the dog. LeCouteur RA, et al. **J Am Vet Med Assoc** 1982 Apr 15; 180(8):910–3

Panosteitis, with coalescing radiodensities in the medullary cavity of the distal one third of the left humerus and bilateral ununited anconeal processes caudal and distal to the humeral condyle. Linkenheil RK. **J Am Vet Med Assoc** 1982 Jan 15;180(2):181–2

Multiple subungual squamous cell carcinomas in five dogs. Madewell BR, et al. **J Am Vet Med Assoc** 1982 Apr 1; 180(7):731–4

What is your diagnosis? Abdominal mass occupying caudal 2/3 of the abdomen and foreign material in the colon. Raulston GL, et al. **J Am Vet Med Assoc** 1981 Jun 1; 178(11):1191–2

Development and resolution of radiographic lesions in canine heartworm disease. Rawlings CA, et al. **J Am Vet Med Assoc** 1981 Jun 1;178(11):1172–7

What is your diagnosis? Irregular mineralized densities in the origin of the long digital extensor and irregular margins with bone lucency of the extensor fossa. Stickle RL, et al. **J Am Vet Med Assoc** 1981 Oct 1;179(7):715–6

What is your diagnosis? Bilateral aplasia of the retroarticular processes of the temporal bone, indicative of mandibular joint dysplasia. Svalastoga E. **J Am Vet Med Assoc** 1981 Nov 1;179(9):919–20

Radiographic diagnosis of parvoviral enteritis [letter] Watrous BJ. **J Am Vet Med Assoc** 1982 Jun 1; 180(11):1268–70

What is your diagnosis? 1) Intraluminal gastric foreign body, pericardial diaphragmatic hernia, and abnormal intestinal gas patterns. 2) Bone cyst or abscess, involving the proximal right humeral metaphysis. Wilkes RD, et al. **J Am Vet Med Assoc** 1981 Jun 15;178(12):1297–300

Angiographic features in a case of extensive arterial thrombosis in a dog. van Bree H, et al. **J Small Anim Pract** 1981 Oct;22(10):641–5

Metrizamide myelography in sixty-eight dogs. Wright JA, et al. **J Small Anim Pract** 1981 Jul;22(7):415–35

Partial duodenal obstruction in a dog. McGowan D. **Mod Vet Pract** 1981 Dec;62(12):939–41

Radiologic aspects of mycotic diseases. Ackerman N, et al. **Vet Clin North Am [Small Anim Pract]** 1982 May; 12(2):175–89

A radiologic approach to bone neoplasms. Hanlon GF. **Vet Clin North Am [Small Anim Pract]** 1982 May; 12(2):239–48

Radiology of mediastinal diseases. Mitten RW. **Vet Clin North Am [Small Anim Pract]** 1982 May; 12(2):193–211

Survey radiography of the heart. Myer CW, et al. **Vet Clin North Am [Small Anim Pract]** 1982 May; 12(2):213–37

Canine osteochondrosis. Poulos PW Jr.

Vet Clin North Am [Small Anim Pract] 1982 May; 12(2):313–28

Radiographic diagnosis of liver disease in dogs and cats. Suter PF. Vet Clin North Am [Small Anim Pract] 1982 May; 12(2):153–73

Radiography of oesophageal obstructions [letter] Houlton JE, et al. Vet Rec 1982 Feb 13;110(7):159–60

A metastatic pheochromocytoma causing progressive paraparesis in a dog. Berzon JL. VM SAC 1981 May; 76(5):675–9

Using a computed brain and orbital tomography to diagnose a brain tumor in a dog. Mandelker L. VM SAC 1981 Aug; 76(8):1164–7

[Stiflelameness in dogs (author's transl)] Boom I. Tijdschr Diergeneeskd 1981 Sep 15;106(8):933–9 (Dut)

[What is your diagnosis? Anaplastic sarcoma with involvement of mandibular joint and adjacent bony structures] Voorhout G, et al. Tijdschr Diergeneeskd 1982 Apr 1;107(7):271–2 (Dut)

[What is your diagnosis? Prostatic carcinoma with involvement of bony pelvis, lumbar vertebrae and os sacrum] Voorhout G, et al. Tijdschr Diergeneeskd 1982 Apr 15;107(8):301–3 (Dut)

[Double contrasting of the bladder in dogs and cats] Gutbrod F. Berl Munch Tierarztl Wochenschr 1982 Jun 15; 95(12):229–31 (Ger)

RADIONUCLIDE IMAGING

Lymphoscintigraphy in canine mammary neoplasia. Norris AM, et al. Am J Vet Res 1982 Feb;43(2):195–9

The effects of differing gallium–transferrin–anion complexes on the tumor uptake of gallium–67. Terner UK, et al. Int J Nucl Med Biol 1981;8(4):357–62

Radioisotope imaging for the evaluation of thyroid neoplasia and hypothyroidism in a dog. Branam JE, et al. J Am Vet Med Assoc 1982 May 1;180(9):1077–9

RADIOTHERAPY

Pharmacokinetic and anti–tumor studies with the radiosensitizer misonidazole in dogs with spontaneous fibrosarcomas. Creasey WA, et al. Am J Vet Res 1982 Jun; 43(6):1015–8

SURGERY

Fixation of metacarpal and metatarsal fractures in greyhounds. Bellenger CR, et al. Aust Vet J 1981 May; 57(5):205–11

Canine osteogenic sarcoma treated by amputation and MER: an adverse effect of splenectomy on survival. Meyer JA, et al. Cancer 1982 Apr 15;49(8):1613–6

Tracheal leiomyoma in a dog. Bryan RD, et al. J Am Vet Med Assoc 1981 May 15;178(10):1069–70

Ventral decompression for caudal cervical disk herniation in large– and giant–breed dogs. Chambers JN, et al. J Am Vet Med Assoc 1982 Feb 15;180(4):410–4

Lateral approach to the canine elbow by proximal ulnar diaphyseal osteotomy. Lenehan TM, et al. J Am Vet Med Assoc 1982 Mar 1;180(5):523–30

Mucocutaneous subdermal plexus flap from the lip for lower eyelid restoration in the dog. Pavletic MM, et al. J Am Vet Med Assoc 1982 Apr 15;180(8):921–6

Phycomycosis of the axilla and the inner brachium in a dog: surgical excision and reconstruction with a thoracodorsal axial pattern flap. Pavletic MM, et al. J Am Vet Med Assoc 1982 May 15;180(10):1197–1200

Bilateral arytenoid cartilage lateralization for laryngeal paralysis in the dog. Rosin E, et al. J Am Vet Med Assoc 1982 Mar 1;180(5):515–8

Partial carpal fusion in the dog. Slocum B, et al. J Am Vet Med Assoc 1982 May 15;180(10):1204–8

Clinical observations and client evaluation of ventral decompression for cervical intervertebral disk protrusion. Swaim SF, et al. J Am Vet Med Assoc 1982 Aug 1; 181(3):259–60

A limited trial of Saffan in the dog. Bomzon L. J Small Anim Pract 1981 Dec;22(12):769–73

Primary lymphoedema in a dog—a case report. Gill J, et al. J Small Anim Pract 1982 Jan;23(1):13–7

A technique for fixation of intercondylar humeral fractures in immature small dogs. Payne–Johnson M, et al. J Small Anim Pract 1981 Jun;22(6):293–9

The use of a transfixation splint to stabilize a bilateral mandibular fracture in a dog. Robins GM, et al. J Small Anim Pract 1981 Dec;22(12):759–68

Biliary tract surgery in the dog: a review. Thompson SM. J Small Anim Pract 1981 Jul;22(7):437–50 (35 ref.)

The use of carbon fibre implants for the repair of Achilles tendon rupture in dogs. Vaughan LC. J Small Anim Pract 1981 Oct;22(10):629–34

Surgical treatment of perineal hernia in the dog. Weaver AD, et al. J Small Anim Pract 1981 Dec;22(12):749–58

Replacement of canine membrana nictitans with a lip graft. Kuhns EL. Mod Vet Pract 1981 Oct;62(10):773–6

Entropion in the Shar Pei [letter] Bistner S. VM SAC 1981 Sep;76(9):1246–8

Surgical treatment of canine perianal fistulas. Greiner TP. VM SAC 1981 May;76(5):663–4

Ruptured urethra caused by trauma in a dog. Jones GH, et al. VM SAC 1981 May;76(5):672–3

Evaluation and management of tonsillitis & pharyngitis in dogs. Kaplan B. VM SAC 1981 Nov;76(11):1599–1603

Cyanoacrylate adhesive for aural hematoma. Leftwich MW, et al. VM SAC 1981 Aug;76(8):1155

Surgical treatment of osteochondritis dissecans of the canine stifle. Leighton RL. VM SAC 1981 Dec;76(12):1733–6

Cracking open a puppy bank. Willis B. VM SAC 1981 Sep; 76(9):1290

Castration, cryptorchidism, and cryptorchidectomy in dogs and cats. Wolff A. VM SAC 1981 Dec;76(12):1739–41

THERAPY

Temporary plasma–induced remission of lymphoblastic leukemia in a dog. MacEwen EG, et al. Am J Vet Res 1981 Aug;42(8):1450–2

Evaluation of treatment for pancreatic exocrine insufficiency in dogs with ligated pancreatic ducts. Pidgeon G, et al. Am J Vet Res 1982 Mar;43(3):461–4

Dialytic support of dogs with clinically occurring renal failure: a realistic model of acute renal failure in man. Ash SR, et al. Clin Exp Dial Apheresis 1982;6(1):25–44

Pancreatic and hepatic disease in the dog. Murdoch D. In Pract 1981 Jan;3(1):5–6, 8, 10–11, 13

Nonsurgical endodontic therapy, utilizing lingual coronal access on the mandibular canine tooth of dogs. Bellizzi R, et al. J Am Vet Med Assoc 1981 Aug 15;179(4):370–4

Intensive care of dogs and cats with diabetic ketoacidosis. Chastain CB. J Am Vet Med Assoc 1981 Nov 15; 179(10):972–8

Treatment of canine actinomycosis. Hardie EM, et al. J Am Vet Med Assoc 1982 Mar 1;180(5):537–41

Spontaneous canine mammary tumour: a model for human endocrine therapy? Raynaud JP, et al. J Steroid Biochem 1981 Dec;15:201–7

Reflex epilepsy in a dog. Fisher TM. Mod Vet Pract 1981 Apr;62(4):305–7

Triage for the traumatized animal. Silverman BS. Mod Vet Pract 1981 Nov;62(11):873–4

Regression of malignant melanoma in a dog by local injections of a partially purified preparation containing human alpha–lymphotoxin. Khan A, et al. Proc Soc Exp Biol Med 1982 Feb;169(2):291–4

Cardiopulmonary disorders in the geriatric dog. Bonagura JD. Vet Clin North Am [Small Anim Pract] 1981 Nov; 11(4):705–26

Renal insufficiency in geriatric dogs. Cowgill LD, et al. Vet Clin North Am [Small Anim Pract] 1981 Nov; 11(4):727–48 (100 ref.)

Dentistry in the geriatric dog. Dorn AS. Vet Clin North Am [Small Anim Pract] 1981 Nov; 11(4):689–704

Clinical use of veterinary acupuncture. Altman S. VM SAC 1981 Sep;76(9):1307–12

Nonsurgical removal of a fishhook from a dog's esophagus. Barnes LE, et al. VM SAC 1982 Jan;77(1):66

Cryotherapy performed on perianal fistulas in dogs. (Washington State University 1976—1980). Budsberg SC, et al. VM SAC 1981 May;76(5):667–9

Poisonous snakebites in dogs and cats. Harned H, et al. VM SAC 1982 Jan;77(1):73–8

Safe management and prevention of gastric distention volvulus in dogs. Lanier MW. VM SAC 1981 May; 76(5):683–6

Hyperthermia for the treatment of dermatomycosis in dogs and cats. Lueker DC, et al. VM SAC 1981 May;76(5):658–9

Removal of gastric foreign bodies using flexible fiberoptic endoscopy. Zimmer JF. VM SAC 1981 Nov;76(11):1611–9

[Use of truss in canine perineal hernia (author's transl)] Vendrig AA. Tijdschr Diergeneeskd 1982 May 1; 107(9):325–8 (Dut)

[Gastric dilatation–gastric torsion complex in the dog: treatment results and recurrence] Baumberger A, et al. Schweiz Arch Tierheilkd 1981 Aug;123(8):429–33 (Ger)

[Implantation of an intravenous pacemaker system in a dachshund with a 3d grade AV–block and Margagni–Adams–Stokes crises] Bigler B, et al. Schweiz Arch Tierheilkd 1981 Oct;123(10):545–51 (Ger)

TRANSMISSION

Experimental transplacental infection of pregnant dogs with canine herpesvirus. Hashimoto A, et al. Am J Vet Res 1982 May;43(5):844–50

Concurrent parotiditis (mumps) in a child and a dog [letter] Mitten RW, et al. Aust Vet J 1982 Jan;58(1):39

Canine salmonellosis in a small animal hospital. Ketaren K, et al. J Am Vet Med Assoc 1981 Nov 15;179(10):1017–8

The rôle of dogs and cats in the epidemiology of human campylobacter enterocolitis. Holt PE. J Small Anim Pract 1981 Oct;22(10):681–5

Attempted experimental transfer of sarcoptic mange (Sarcoptes scabiei, Acarina: Sarcoptidae) among red fox, coyote, wolf and dog. Samuel WM. J Wildl Dis 1981 Jul; 17(3):343–7

Rocky mountain spotted fever in dogs and man. Thornton JT. Mod Vet Pract 1981 Apr;62(4):313–5

Attempted transmission of canine ehrlichiosis to the vervet monkey (Cercopithecus pygerythrus). Van Heerden J, et al. Onderstepoort J Vet Res 1981 Jun;48(2):127–8

URINE

Renal tubular acidosis in a dog. DiBartola SP, et al. J Am Vet Med Assoc 1982 Jan 1;180(1):70–3

DOGFISH see under SHARKS

DOGS

Characteristics of 20 human Pasteurella isolates from animal bite wounds. Dibb WL, et al. Acta Pathol Microbiol Scand [B] 1981 Jun;89(3):137–41

Dog bites. A neglected problem in accident prevention. Lauer EA, et al. Am J Dis Child 1982 Mar;136(3):202–4

Pasteurella multocida in dog bites [letter] Schwartz RH. Am J Dis Child 1982 Feb;136(2):177

Reversal of the neuroleptanalgesic effect of droperidol/fentanyl in the dog by 4–aminopyridine and naloxone. Booth NH, et al. Am J Vet Res 1982 Jul; 43(7):1227–31

Preparation of resealed carrier erythrocytes and in vivo survival in dogs. DeLoach JR, et al. Am J Vet Res 1981 Apr;42(4):667–9

Prophylactic oxacillin in dog bite wounds. Elenbaas RM, et al. Ann Emerg Med 1982 May;11(5):248–51

Dog bites man [letter] Br Med J [Clin Res] 1982 Mar 6; 284(6317):742–3

Dog bites man [editorial] Snook R. Br Med J [Clin Res] 1982 Jan 30;284(6312):293–4

Hearing–ear–dog legislation: state of the art. Clay JE. Except Child 1981 Nov;48(3):224–9

Dog bite in infancy: Trauma and personality development. Gislason IL, et al. J Am Acad Child Psychiatry 1982 Mar; 21(2):203–7

Tatto identification of spayed or neutered dogs and cats. Davis FL Jr. J Am Vet Med Assoc 1981 Dec 15; 179(12):1421–2

Veterinarians, dog bite statutes, and liability. Hannah HW. J Am Vet Med Assoc 1981 Oct 1;179(7):662–3

Progestin therapy for aggressive behavior in male dogs. Hart BL. J Am Vet Med Assoc 1981 May 15;178(10):1070–1

Pasteurella multocida meningitis in an infant following occipital dog bite. Belardi FG, et al. J Fam Pract 1982 Apr;14(4):778, 780–2

Pasteurella multocida—the major cause of hand infections following domestic animal bites. Arons MS, et al. J Hand Surg 1982 Jan;7(1):47–52

Detection of pregnancy in the bitch: a study of abdominal palpation, A–mode ultrasound and Doppler ultrasound techniques. Allen WE, et al. J Small Anim Pract 1981 Sep; 22(9):609–22

Long–term evaluation of the effect of catheter materials on urethral tissue in dogs. Goodpasture JC, et al. Lab Anim Sci 1982 Apr;32(2):180–2

Technical considerations in the study of indium–111–oxine labelled platelet survival patterns in dogs. Sharefkin J, et al. Lab Anim Sci 1982 Apr;32(2):183–6

Treating elimination behavior problems in dogs and cats: the role of punishment. Voith VL. Mod Vet Pract 1981 Dec; 62(12):951–3

Differential diagnoses of canine elimination behavior problems. Voith VL. Mod Vet Pract 1981 Oct;62(10):794–6

Craniocerebral injuries from dog bite in an infant. Wilberger JE Jr, et al. Neurosurgery 1981 Oct;9(4):426–8

Bitches, queens and prostaglandins. Christiansen IJ. Nord Vet Med 1982 Jan–Feb;34(1–2):33–8

Antibiogram and production of beta–lactamase by canine isolates of Staphylococcus aureus. Engvall A, et al. Nord Vet Med 1982 Jan–Feb;34(1–2):44–8

Dog bites in children less than 4 years old. Chun YT, et al. Pediatrics 1982 Jan;69(1):119–20

Traumatic deaths from dog attacks in the United States. Pinckney LE, et al. Pediatrics 1982 Feb;69(2):193–6

Experimental lymphedema [letter] Puckett CL. Plast Reconstr Surg 1982 May;69(5):900–1

Secobarbital/dibucaine combination as a euthanasia agent for dogs and cats. Herschler RC, et al. VM SAC 1981 Jul; 76(7):1009–12

[Experimental model of focal myocardial ischemia in the conscious dog] Obelienius V, et al. Cesk Fysiol 1981; 30(5):431–6 (Cze)

[Trials on systemic insecticides for animals using dogs and triatominae] Aragão MB, et al. Rev Saude Publica 1981 Apr;15(2):236–41 (Eng. Abstr.) (Por)

[Acute experimental (endogenous) hepatic coma and the clinical syndrome of acute hepatocellular injury] Ignatovski B, et al. Acta Chir Iugosl 1981;28(2):193–201 (Eng. Abstr.) (Ser)

[Vulnus morsum canis – a contribution to the local cooperation of physicians and veterinarians in the prevention of rabies in man (author's transl)] Cvitanović V, et al. Lijec Vjesn 1981 Aug;103(8):327–31 (Eng. Abstr.) (Ser)

[Urban rabies: the problem of lesions caused by dog bites] Szyfres L, et al. Bol Of Sanit Panam 1982 Apr;92(4):310–27 (Eng. Abstr.) (Spa)

ANATOMY & HISTOLOGY

Study of venous segments in the spleens of buffalo and dog. Gupta SB, et al. Acta Anat (Basel) 1982;111(3):204–6

Bifid insertion of inferior oblique muscle [letter] Baker RS. Am J Ophthalmol 1982 Aug;94(2):267–8

Spinal nerve root origins of the cutaneous nerves arising from the canine brachial plexus. Bailey CS, et al. Am J Vet Res 1982 May;43(5):820–5

Posterior pathway for aqueous humor drainage in the dog. Cruise LJ, et al. Am J Vet Res 1981 Jun;42(6):992–5

Potential blood supply to muscles in horses and dogs and its relation to athletic ability. Gunn HM. **Am J Vet Res** 1981 Apr;42(4):679–84

Extraosseous vascular supply to the mature dog's coxofemoral joint. Kaderly RE, et al. **Am J Vet Res** 1982 Jul;43(7):1208–14

Oval lipid corneal opacities in beagles: ultrastructure of normal beagle cornea. Morrin LA, et al. **Am J Vet Res** 1982 Mar;43(3):443–53

Biometric study of the canine eye, using A-mode ultrasonography. Schiffer SP, et al. **Am J Vet Res** 1982 May;43(5):826–30

Developing coxal joint of the dog: gross morphometric and pathologic observations. Shively MJ, et al. **Am J Vet Res** 1982 Feb;43(2):185–94

Electron microscopy of selectively denervated canine carotid sinuses. Sutton ET, et al. **Am J Vet Res** 1982 Apr; 43(4):660–5

Interepithelial lymphocytes in the small intestinal mucosa of conventionally reared dogs. Thomas J, et al. **Am J Vet Res** 1982 Feb;43(2):200–3

Anatomy and function of the ligaments of the lower cervical spine in the dog. Vasseur PB, et al. **Am J Vet Res** 1981 Jun;42(6):1002–6

Contact studies of the canine femoropatellar joint. White KK, et al. **Am J Vet Res** 1982 Mar;43(3):429–35

Nonuniform horizontal and vertical distributions of immunoglobulin A cells in canine intestines. Willard MD, et al. **Am J Vet Res** 1981 Sep;42(9):1573–80

The capillary circulation in the penile skin of the dog. Ninomiya H, et al. **Anat Anz** 1981;10(4):361–9

Vascular architecture of the canine prepuce. Ninomiya H, et al. **Anat Anz** 1981;10(4):351–60

Bone loss in the beagle tibia: influence of age, weight, and sex. Martin RK, et al. **Calcif Tissue Int** 1981;33(3):233–8

Effect of chronic centrifugation on the cross-sectional shape of long bones in dogs. Amtmann E, et al. **Gegenbaurs Morphol Jahrb** 1981;127(3):382–90

The lateral nasal gland of dog: its structure and secretory content. Adams DR, et al. **J Anat** 1981 Jan;132(Pt 1):29–37

The cytoarchitecture and capillary supply in the skeletal muscle of growing dogs. Aquin L, et al. **J Anat** 1981 May; 132(Pt 3):341–56

Quantitative evaluation of the canine brain using computed tomography. Fike JR, et al. **J Comput Assist Tomogr** 1982 Apr;6(2):325–33

Dentin apposition rate in dog teeth. Miani C, et al. **Minerva Stomatol** 1982 Jan–Feb;31(1):29–34

A morphological study on the circle of Willis in the dog. Tanuma K. **Okajimas Folia Anat Jpn** 1981 Aug; 58(3):155–76

Innervation of the muscularis mucosa in the canine stomach and colon. Angel F, et al. **Scand J Gastroenterol [Suppl]** 1982;71:71–5

Age-related changes in peripheral nerves of the dog. II. A morphologic and morphometric study of cross-sectional nerve. Braund KG, et al. **Vet Pathol** 1982 Jul;19(4):379–98

Age-related changes in peripheral nerves of the dog. I. A morphologic and morphometric study of single-teased fibers. Braund KG, et al. **Vet Pathol** 1982 Jul;19(4):365–78

Absolute and relative organ weights of the beagle dog. Němec J, et al. **Z Versuchstierkd** 1981;23(6):333–6

[Observations on coronary arteries of dog (author's transl)] Kong XY. **Chung Hua Hsin Hsueh Kuan Ping Tsa Chih** 1980 Sep; 8(3):223–6 **(Chi)**

[The interventricular septal arteries of the dog (author's transl)] Ling FD, et al. **Chung Hua Hsin Hsueh Kuan Ping Tsa Chih** 1980 Dec; 8(4):308–11 (Eng. Abstr.) **(Chi)**

[On the topography of the ductus thoracicus in the dog (author's transl)] de Freitas V, et al. **Anat Anz** 1981; 149(5):451–4 **(Ger)**

[Anatomical and hemodynamic study of the testicular artery in mongrel dogs and dwarf pigs] Fuhse J, et al. **Z Urol Nephrol** 1982 Feb;75(2):93–7 (Eng. Abstr.) **(Ger)**

[Histochemistry of anal glands of the dog] Meyer W, et al. **Zentralbl Veterinarmed [A]** 1981;28(5):420–5 (Eng. Abstr.) **(Ger)**

[An electron microscopic study on secretory process in canine apocrine sweat gland (author's transl)] Iwasaki T. **Nippon Juigaku Zasshi** 1981 Oct;43(5):733–40 (Eng. Abstr.) **(Jpn)**

[Biometric characteristics of correlative intratruncal neurovascular relations of the peripheral nerves of dogs] Mel'man EP, et al. **Arkh Anat Gistol Embriol** 1981 May; 80(5):57–66 (Eng. Abstr.) **(Rus)**

[Comparative electron microscopic study of interalveolar septa in Arctic foxes and dogs] Ustiuzhaninova NV, et al. **Arkh Anat Gistol Embriol** 1981 Sep;81(9):106–10 (Eng. Abstr.) **(Rus)**

BLOOD

Radioimmunoassay of canine growth hormone. Eigenmann JE, et al. **Acta Endocrinol (Copenh)** 1981 Dec;98(4):514–20

Plasma concentrations of testosterone in the male dog and plasma testosterone profile following single intramuscular injection of HCG. Sundby A, et al. **Acta Vet Scand** 1981; 22(3–4):409–16

Effect of chloramphenicol on serum salicylate concentrations in cats and dogs. Akesson CE, et al. **Am J Vet Res** 1982 Aug;43(8):1471–2

Glutaraldehyde-treated carrier erythrocytes for organ targeting of methotrexate in dogs. DeLoach JR, et al. **Am J Vet Res** 1981 Nov;42(11):1971–4

Variations of plasma enzymes in the pony and the dog after carbon tetrachloride administration [letter] Easley JR. **Am J Vet Res** 1981 Aug;42(8):1461

Rapid and accurate direct injection chromatographic method for measuring volatiie anesthetics in whole blood of dogs. Fleming JT, et al. **Am J Vet Res** 1982 Mar;43(3):513–6

Pharmacokinetics of naproxen in the dog. Frey HH, et al. **Am J Vet Res** 1981 Sep;42(9):1615–7

Concentrations of plasma C-terminal immunoreactive parathyroid hormone in the standardized research beagle. Jorch UM, et al. **Am J Vet Res** 1982 Feb;43(2):350–1

Effects of storage on concentration of hydrocortisone (cortisol) in canine serum and plasma. Olson PN, et al. **Am J Vet Res** 1981 Sep;42(9):1618–20

Validation of radioimmunoassay for triiodothyronine, thyroxine, and hydrocortisone (cortisol) in canine, feline, and equine sera. Reimers TJ, et al. **Am J Vet Res** 1981 Nov;42(11):2016–21

Validation of a rapid solid-phase radioimmunoassay for canine, bovine, and equine insulin. Reimers TJ, et al. **Am J Vet Res** 1982 Jul;43(7):1274–8

Postprandial changes in plasma urea and creatinine concentrations in dogs. Watson AD, et al. **Am J Vet Res** 1981 Nov;42(11):1878–80

Erythrocyte volume distribution analysis in healthy dogs, cats, horses, and dairy cows. Weiser MG. **Am J Vet Res** 1982 Jan;43(1):163–6

In vitro effects of prednisolone sodium succinate and Escherichia coli organisms on neutrophil survival, glucose utilization, and E coli clearance in canine blood. White GL, et al. **Am J Vet Res** 1982 Jun;43(6):1103–5

Frequencies of transferrin types in various breeds of domestic dogs. Juneja RK, et al. **Anim Blood Groups Biochem Genet** 1981;12(2):79–88

The negative correlation between erythrocyte concentration and mean corpuscular haemoglobin or mean corpuscular volume in normal dogs. Berger J. **Experientia** 1981; 37(8):906–7

Characterization of quantitation of glycosylated hemoglobins in canine blood. Enoki Y, et al. **Hemoglobin** 1982; 6(2):143–51

Two-dimensional gel electrophoresis of dog plasma proteins: genetic polymorphism of an alpha 1-protease inhibitor and another postalbumin. Juneja RK, et al. **Hereditas** 1981; 95(2):225–33

Effect of acetazolamide in blood acid-base and electrolyte values in dogs. Haskins SC, et al. **J Am Vet Med Assoc** 1981 Oct 15;179(8):792–6

Glycosylated hemoglobin in diabetic and nondiabetic dogs. Mahaffey EA, et al. **J Am Vet Med Assoc** 1982 Mar 15; 180(6):635–7

Relationship of serum total calcium to albumin and total protein in dogs. Meuten DJ, et al. **J Am Vet Med Assoc** 1982 Jan 1;180(1):63–7

Evaluation of 60-minute blood p-aminobenzoic acid concentration in pancreatic function testing of dogs. Strombeck DR, et al. **J Am Vet Med Assoc** 1982 Feb 15; 180(4):419–21

Heterogeneity among dog red blood cells. Parker JC. **J Gen Physiol** 1981 Aug;78(2):141–50

Effects of pentobarbitone anaesthesia and atropine on the intravenous glucose tolerance in normal dogs. Mattheeuws D, et al. **J Small Anim Pract** 1981 Dec;22(12):779–86

Genetic studies of new blood group C system on red cells of beagles. Ikemoto S, et al. **Nippon Juigaku Zasshi** 1981 Jun;43(3):429–31

Serum total bile acid level in normal dogs. Kitagawa H, et al. **Nippon Juigaku Zasshi** 1981 Apr;43(2):257–60

Haematological and biochemical effects of a single intramuscular dose of 6 alpha-methylprednisolone acetate in the dog. Braun JP, et al. **Res Vet Sci** 1981 Sep;31(2):236–8

Electronic counting of dog leucocytes. Discrepancies arising from calibration with Coulter standard 4C and with the haemocytometer. Dixon JB, et al. **Res Vet Sci** 1981 Sep; 31(2):249–52

Adrenocortical function and plasma biochemical values in dogs after subconjunctival treatment with methylprednisolone acetate. Regnier A, et al. **Res Vet Sci** 1982 May;32(3):306–10

Hematology of the normal dog and cat. Tvedten HW. **Vet Clin North Am [Small Anim Pract]** 1981 May; 11(2):209–17 (23 ref.)

Hematology reference values for dogs of Beagle stock. Berger J. **Z Versuchstierkd** 1981;23(5):278–83

[Statistical studies of age and sex specific differences in blood parameters of English beagles. II. Clinical chemistry] Passing H, et al. **Berl Munch Tierarztl Wochenschr** 1981 Nov 1;94(21):432–6 (Eng. Abstr.) **(Ger)**

[Plasma enzyme activity in the dog. Effects of age and sex] Keller P, et al. **Schweiz Arch Tierheilkd** 1982 Feb; 124(2):83–95 (Eng. Abstr.) **(Ger)**

[Preliminary observations on the comparative physiopathology of plasma lipoproteins: dog and human. I] Averna MR, et al. **Boll Soc Ital Biol Sper** 1981 Aug 30;57(16):1687–91 (Eng. Abstr.) **(Ita)**

CEREBROSPINAL FLUID

Quantitative determination of serum origin cerebrospinal fluid proteins in the dog. Krakowka S, et al. **Am J Vet Res** 1981 Nov;42(11):1975–7

GENETICS

Hereditary high concentration of glutathione in canine erythrocytes associated with high accumulation of glutamate, glutamine, and aspartate. Maede Y, et al. **Blood** 1982 May;59(5):883–9

Nucleolus organizer regions on chromosomes of the domestic dog. Kopp E, et al. **J Hered** 1982 Jan–Feb;73(1):73

Induced immobility in nervous and normal Pointer dogs. Reese WG, et al. **J Nerv Ment Dis** 1982 Oct;170(10):605–13

The genetics of canine behavior. Beaver BV. **VM SAC** 1981 Oct;76(10):1423–4

The rare Shar Pei dog: medical and surgical problems. McKibben JS. **VM SAC** 1981 Jul;76(7):997–1002

[Breeding and health impairment in dogs (author's transl)] Bouw J. **Tijdschr Diergeneeskd** 1982 Jan 1;107(1):12–20 (Eng. Abstr.) **(Dut)**

GROWTH & DEVELOPMENT

Sulfur amino acid requirements of immature Beagle dogs. Burns RA, et al. **J Nutr** 1981 Dec;111(12):2117–24

Threonine, tryptophan and histidine requirements of immature beagle dogs. Burns RA, et al. **J Nutr** 1982 Mar; 112(3):447–52

Somatosensory development in puppies. Beaver BV. **VM SAC** 1982 Jan;77(1):39–41

[Development of the patellar ligament insertion in the growing dog] Vollmerhaus B, et al. **Berl Munch Tierarztl Wochenschr** 1981 Jun 1;94(13):255–9 (Eng. Abstr.) **(Ger)**

[Ontogenetic characteristics of the participation of the vagus nerves in regulation of the emotional state of dogs] Kassil' VG, et al. **Fiziol Zh SSSR** 1982 Feb;68(2):187–91 (Eng. Abstr.) **(Rus)**

[Development of extracardiac influences in the ontogeny of the dog] Sitdikov FG. **Zh Evol Biokhim Fiziol** 1981 Nov–Dec;17(6):569–72 (Eng. Abstr.) **(Rus)**

IMMUNOLOGY

Antibodies to spotted fever-group rickettsiae in dogs and prevalence of infected ticks in southern Connecticut. Magnarelli LA, et al. **Am J Vet Res** 1982 Apr;43(4):656–9

Quantitative aspects of binding of canine serum immunoglobulins of Staphylococcus aureus protein A. Miele JA, et al. **Am J Vet Res** 1981 Dec;42(12):2065–7

Occurrence of antibody to Trypanosoma cruzi in dogs in the southeastern United States. Tomlinson MJ, et al. **Am J Vet Res** 1981 Aug;42(8):1444–6

Number and distribution of IgM cells and IgA cells in colonic tissue of conditioned sex- and breed-matched dogs. Willard MD, et al. **Am J Vet Res** 1982 Apr;43(4):688–92

Isolation of viable canine intestinal lymphocytes. Willard MD, et al. **Am J Vet Res** 1982 Mar;43(3):471–4

Immunologic response to liver cell allografts. Toledo-Pereyra LH, et al. **Am Surg** 1982 Jan;48(1):28–31

Dog response to inactivated canine parvovirus and feline panleukopenia virus vaccines. Pollock RV, et al. **Cornell Vet** 1982 Jan;72(1):16–35

Nonspecific acid esterase activity as a marker for canine T lymphocytes. Wulff JC, et al. **Exp Hematol** 1981 Sep; 9(8):865–70

Alternatives to donor matching for control of graft-versus-host disease. Vriesendorp HM, et al. **Immunogenetics** 1982 Jan;15(1):79–94

Properties of host components of PR8 influenza virus. Arcus YM, et al. **Intervirology** 1981;15(3):171–6

Maternally derived immunity to canine parvovirus infection: transfer, decline, and interference with vaccination. Pollock RV, et al. **J Am Vet Med Assoc** 1982 Jan 1;180(1):37–42

Immune response in dog. 5 Hyperimmunization with Salmonella typhosa vaccine. Mates A, et al. **Microbios** 1981; 31(124):113–24

Evaluation of the intradermal allergy test in normal dogs. Willemse A, et al. **Res Vet Sci** 1982 Jan;32(1):57–61

The major histocompatibility complex of the dog. Isolation and partial characterization of the SD antigens. van der Feltz MJ, et al. **Transplantation** 1981 Sep;32(3):253–5

Changes in the immune response related to age. Banks KL. **Vet Clin North Am [Small Anim Pract]** 1981 Nov; 11(4):683–8

[Immunological response of dogs to Dirofilaria immitis infection (author's transl)] Hayasaki M, et al. **Nippon Juigaku Zasshi** 1981 Dec;43(6):909–14 (Eng. Abstr.) **(Jpn)**

METABOLISM

Displacement of protein-bound thiopental by sodium methiodal may contribute to anesthetic complications during canine myelography. Bonhaus DW, et al. **Am J Vet Res** 1981 Sep;42(9):1612–4

Reduced, oxidized, and protein-bound glutathione concentrations in normal and cataractous lenses in the dog. Gelatt KN, et al. **Am J Vet Res** 1982 Jul;43(7):1215–7

Measurements of the bone mineral content by photon absorptiometry of the Beagle. Jorch UM, et al. **Am J Vet Res** 1982 May;43(5):907–8

Age-related variations in hepatic iron, copper, zinc, and selenium concentrations in beagles. Keen CL, et al. **Am J Vet Res** 1981 Nov;42(11):1884–7

Enzyme activities in the dog: tissue analyses, plasma values, and intracellular distribution. Keller P. **Am J Vet Res** 1981 Apr;42(4):575–82

Effects of exercise on the histochemical changes of articular chondrocytes in adult dogs. Kincaid SA, et al. **Am J Vet Res** 1982 Jul;43(7):1218–26

Developmental changes in the composition of Beagle dog milk. Lönnerdal B, et al. **Am J Vet Res** 1981 Apr; 42(4):662–6

Variations of plasma enzymes in the pony and the dog after carbon tetrachloride administration. Noonan NE. **Am J Vet Res** 1981 Apr;42(4):674–8

Pharmacokinetics of gentamicin in the juvenile dog. Riviere JE, et al. **Am J Vet Res** 1981 Sep;42(9):1621–3

Analysis of postmortem canine blood, cerebrospinal fluid, and vitreous humor. Schoning P, et al. **Am J Vet Res** 1981 Aug;42(8):1447–9

Pharmacokinetics of trimethoprim and sulfadiazine in the dog: urine concentrations after oral administration. Sigel CW, et al. **Am J Vet Res** 1981 Jun;42(6):996–1001

Interferon induction in healthy and tumor-bearing dogs by cell walls of Mycobacterium bovis strain bacille Calmette-Guérin. Winters WD, et al. **Am J Vet Res** 1982 Jul;43(7):1232–7

Variations in mineral apposition rate of trabecular bone within the beagle skeleton. Wronski TJ, et al. **Calcif Tissue Int** 1981;33(6):583–6

Evaluation of 60-minute blood p-aminobenzoic acid concentration in pancreatic function testing of dogs. Strombeck DR, et al. **J Am Vet Med Assoc** 1982 Feb 15; 180(4):419–21

Extraction of vitamin D metabolites by bones of normal adult dogs. Olgaard K, et al. **J Clin Invest** 1982 Mar;69(3):684–90

The choleretic action of clanobutin in dogs. Immelman A, et al. **J S Afr Vet Assoc** 1981 Dec;52(4):295–8

Pharmacokinetics of sulphadimidine in normal and febrile dogs. Riffat S, et al. **J Vet Pharmacol Ther** 1982 Jun; 5(2):131–5

Nitrate in human and canine milk [letter] Green LC, et al. **N Engl J Med** 1982 Jun 3;306(22):1367–8

The effect of lithium chloride on renal structure and sodium–potassium–adenosine triphosphatase activity in dogs. Easley JR. **Vet Pathol** 1982 Jan;19(1):38–45

Trimethoprim and sulfadiazine concentrations in aqueous and vitreous humors of the dog. Sigel CW, et al. **VM SAC** 1981 Jul;76(7):991–3

The pancreas: Part 1—evaluating blood glucose. Wilkes RD, et al. **VM SAC** 1981 Sep;76(9):1275–8

[Investigations on dentin metabolic processes in the teeth of dogs via tetracycline fluorescence] Skopakoff C, et al. **Anat Anz** 1982;151(3):255–9 (Eng. Abstr.) **(Ger)**

[Physiological proteinuria in healthy animals (author's transl)] Gärtner K. **DTW** 1981 Oct 5;88(10):420–2 (Eng. Abstr.) **(Ger)**

[The effect of diets with defined nucleic acid and purine content on the blood-level of uric acid in Dalmation dogs] Gaebler S, et al. **Zentralbl Veterinarmed [A]** 1981; 28(6):494–503 (Eng. Abstr.) **(Ger)**

MICROBIOLOGY

New enteric viruses in the dog. Carmichael LE, et al. **Adv Vet Sci Comp Med** 1981;25:1–37 (177 ref.)

Rabies in Ethiopia. Fekadu M. **Am J Epidemiol** 1982 Feb; 115(2):266–73

Canine bladder epithelial cells in culture: susceptibility to canine distemper and measles viruses. Bui HD, et al. **Am J Vet Res** 1982 Jul;43(7):1268–70

Isolation and characterization of a canine rotavirus. Hoshino Y, et al. **Arch Virol** 1982;72(1–2):113–25

The genital Mycoplasma and Ureaplasma flora of healthy and diseased dogs. Doig PA, et al. **Can J Comp Med** 1981 Jul;45(3):233–8

A modified live canine parvovirus strain with novel plaque characteristics. I. Viral attenuation and dog response. Carmichael LE, et al. **Cornell Vet** 1981 Oct;71(4):408–27

Studies on possible cross transmission of mercuric chloride resistant Staphylococcus aureus between dogs and kennel attendants. Adekeye JD. **Int J Zoonoses** 1981 Jun;8(1):72–6

Effects of storage time and temperature on quantitative culture of canine urine. Padilla J, et al. **J Am Vet Med Assoc** 1981 May 15;178(10):1077–81

Canine mycoplasmas: their ecologic niche and role in disease. Rosendal S. **J Am Vet Med Assoc** 1982 May 15; 180(10):1212–4 (30 ref.)

Excretion of rabies virus in the saliva of dogs. Fekadu M, et al. **J Infect Dis** 1982 May;145(5):715–9

From the dog's mouth [editorial] **Vet Rec** 1982 Mar 6; 110(10):213–4

Propagation of bovine rotavirus by dogs [letter] Dagenais L, et al. **Vet Rec** 1981 Aug 29;109(9):187

PARASITOLOGY

Survey for heartworm, Dirofilaria immitis, and Dipetalonema reconditum (Nematoda:Filarioidea) in dogs from Virginia and North Carolina. Falls RK, et al. **Am J Vet Res** 1982 Apr;43(4):738–9

Parasitological investigation of children's sandboxes and dog faeces from public areas of housing development in Prague. Valkounová J. **Folia Parasitol (Praha)** 1982;29(2):133–8

Parasitological investigation of children's sand boxes and dog faeces from public areas in old housing districts of Prague. Valkounová J. **Folia Parasitol (Praha)** 1982;29(1):25–32

The possible role of farm animals, dogs and rodents as reservoir hosts for human schistosomes in Dakahlia Governorate, Egypt. Abou-Shady AF, et al. **J Egypt Soc Parasitol** 1981 Jun;11(1):119–2

A case record of Spirometra erinacei in a stray dog in Zagazig. Fayek SA. **J Egypt Soc Parasitol** 1981 Jun; 11(1):219–23

Isolation of Leishmania from the spleen of a dog in Iraq. Sukkar S, et al. **Trans R Soc Trop Med Hyg** 1981; 75(6):859–60

PHYSIOLOGY

Biomechanical analysis of forces acting about the canine hip. Arnoczky SP, et al. **Am J Vet Res** 1981 Sep;42(9):1581–5

Comparison of aqueous porcine ACTH with synthetic ACTH in adrenal stimulation tests of the female dog. Feldman EC, et al. **Am J Vet Res** 1982 Mar;43(3):522–4

Simple, accurate method for clinical estimation of glomerular filtration rate in the dog. Finco DR, et al. **Am J Vet Res** 1981 Nov;42(11):1874–7

Noninvasive measurement of systemic arterial pressure in dogs by automatic sphygmomanometry. Hamlin RL, et al. **Am J Vet Res** 1982 Jul;43(7):1271–3

Clonidine or xylazine as provocative tests for growth hormone secretion in the dog. Hampshire J, et al. **Am J Vet Res** 1981 Jun;42(6):1073–6

Antagonism of xylazine sedation in dogs by 4-aminopyridine and yohimbine. Hatch RC, et al. **Am J Vet Res** 1982 Jun; 43(6):1009–14

Effect of peripheral anosmia in dogs trained as flavor validators. Houpt KA, et al. **Am J Vet Res** 1982 May; 43(5):841–3

Adrenocortical suppression in the dog given a single intramuscular dose of prednisone or triamcinolone acetonide. Kemppainen RJ, et al. **Am J Vet Res** 1982 Feb; 43(2):204–6

Monosynaptic reflex (H wave) in clinically normal and abnormal dogs. Knecht CD, et al. **Am J Vet Res** 1981 Sep; 42(9):1586–9

Sensory nerve conduction velocity of cutaneous afferents of the radial, ulnar, peroneal, and tibial nerves of the dog: reference values. Redding RW, et al. **Am J Vet Res** 1982 Mar;43(3):517–21

Occurrence and evaluation of a reflex-evoked muscle potential (H reflex) in the normal dog. Sims MH, et al. **Am J Vet Res** 1981 Jun;42(6):975–83

Recovery cycle of the reflex-evoked muscle potential (H reflex): excitability of spinal motor neurons in the healthy dog. Sims MH. **Am J Vet Res** 1982 Jan;43(1):89–93

Stability of the canine shoulder joint: an in vitro analysis. Vasseur PB, et al. **Am J Vet Res** 1982 Feb;43(2):352–5

Canine models for ventricular tachyarrhythmia. Michelson EL. **Ann Intern Med** 1981 Nov;95(5):648–9

Bronchoconstriction and gas mixing in canine and pig lungs. Kelly S, et al. **Bull Eur Physiopathol Respir** 1982 Mar–Apr; 18(2):229–37

Normal postpartum involution of the uterus in the dog. Al-Bassam MA, et al. **Can J Comp Med** 1981 Jul; 45(3):217–32

Aspects of cellular proliferation during follicular atresia in the dog ovary. Spanel-Borowski K, et al. **Cell Tissue Res** 1981;219(1):173–83

Blunted pressor response to angiotensin and sympathomimetic amines in bile-duct ligated dogs. Finberg JP, et al. **Clin Sci** 1981 Nov;61(5):535–9

Serum insulin, free fatty acids and blood sugar during the estrous cycle of dogs. Renauld A, et al. **Horm Metab Res** 1982 Jan;14(1):4–7

Reliability of the measurement of intrarenal haemodynamics in the dog, as determined by the radioactive microsphere technique. László K, et al. **Int Urol Nephrol** 1981; 13(3):207–20

Effect of low carrier gas flows (50% oxygen/50% nitrous oxide) on inspired oxygen tension in anesthetized dogs. Haskins SC, et al. **J Am Vet Med Assoc** 1982 Apr 1; 180(7):735–8

Unusual reaction to acepromazine maleate in the dog. Waechter RA. **J Am Vet Med Assoc** 1982 Jan 1;180(1):73–4

Behavioral, ovarian and endocrine relationships in the pubertal bitch. Wildt DE, et al. **J Anim Sci** 1981 Jul; 53(1):182–91

Basenji-greyhound dog model of asthma: pulmonary responses after beta-adrenergic blockade. Hirshman CA, et al. **J Appl Physiol** 1981 Dec;51(6):1423–7

Force response to electrical stimulation of canine skeletal muscles. Moreno-Aranda J, et al. **J Biomech** 1981; 14(9):595–9

Comparative acute cochlear toxicity of intravenous bumetanide and furosemide in the purebred beagle. Brown RD. **J Clin Pharmacol** 1981 Nov–Dec;21(11–12 Pt 2):620–7

Profile of dog bites, rabies and default in antirabies immunisation at V.S.G. Hospital, Ahmedabad. Trivedi CR. **J Indian Med Assoc** 1981 Apr;76(7–8):134–6

Milk substitutes and the hand rearing of orphan puppies and kittens. Baines FM. **J Small Anim Pract** 1981 Sep; 22(9):555–78

Hair growth in the greyhound. Butler WF, et al. **J Small Anim Pract** 1981 Oct;22(10):655–61

Some aspects of reproductive function in the male beagle at puberty. Taha MA, et al. **J Small Anim Pract** 1981 Oct; 22(10):663–7

The effect of some exogenous hormones on seminal characteristics, libido and peripheral plasma testosterone concentrations in the male beagle. Taha MB, et al. **J Small Anim Pract** 1981 Sep;22(9):587–95

The intra-uterine position of canine foetuses and their sequence of expulsion at birth. van der Weyden GC, et al. **J Small Anim Pract** 1981 Aug;22(8):503–10

Seasonal changes in heat balance of dogs acclimatized to outdoor climate. Sugano Y. **Jpn J Physiol** 1981; 31(4):465–75

Plasma volume determination by use of enzyme dilution in the dog. Visser MP, et al. **Lab Anim** 1982 Jul;16(3):248–55

Observations on the neuromuscular blocking action of gallamine and pancuronium and their reversal by neostigmine. Gleed RD, et al. **Res Vet Sci** 1982 May; 32(3):324–6

Skeletal muscle fibre composition in the dog and its relationship to athletic ability. Guy PS, et al. **Res Vet Sci** 1981 Sep;31(2):244–8

Cardiovascular and renal effects of enflurane and halothane in the dog. Hunter JM, et al. **Res Vet Sci** 1981 Sep; 31(2):177–81

Effects of dexamethasone infusion on the plasma cortisol response to cosyntropin (synthetic ACTH) injection in normal dogs. Kemppainen RJ, et al. **Res Vet Sci** 1982 Mar; 32(2):181–3

Symposium on internal medicine and the geriatric patient. **Vet Clin North Am [Small Anim Pract]** 1981 Nov; 11(4):641–814

Theories of aging: an overview. Brace JJ. **Vet Clin North Am [Small Anim Pract]** 1981 Nov; 11(4):811–4

Pharmacologic control of estrus in bitch and queen. Burke TJ. **Vet Clin North Am [Small Anim Pract]** 1982 Feb; 12(1):79–84 (12 ref.)

Induction of estrus and ovulation in the cat and dog. Chakraborty PK, et al. **Vet Clin North Am [Small Anim Pract]** 1982 Feb; 12(1):85–92 (19 ref.)

Behavioral problems of geriatric dogs and cats. Houpt KA, et al. **Vet Clin North Am [Small Anim Pract]** 1981 Nov; 11(4):643–52

Nutrition and the aging animal. Sheffy BE, et al. **Vet Clin North Am [Small Anim Pract]** 1981 Nov; 11(4):669–75

Aging and the musculoskeletal system. Weigel J, et al. **Vet Clin North Am [Small Anim Pract]** 1981 Nov; 11(4):749–64

Use of Saffan in dogs [letter] Payne AR. **Vet Rec** 1981 Jul 18;109(3):64–5

Friendly communication by the dog. Beaver BV. **VM SAC** 1981 May;76(5):647–9

Grass eating by carnivores. Beaver BV. **VM SAC** 1981 Jul; 76(7):968–9

[ECG in normal dogs (author's transl)] Wang H. **Chung Hua Hsin Hsueh Kuan Ping Tsa Chih** 1980 Jun; 8(2):145–7 **(Chi)**

[Prevention of oestrus and/or pregnancy in dogs by methods other than ovariohysterectomy (author's transl)] Okkens AC, et al. **Tijdschr Diergeneeskd** 1981 Dec;106(23):1215–25 (Eng. Abstr.) **(Dut)**

[Computerized study of vectorial loops and parameters in the ECG of the dog] Grauerholz H. **Berl Munch Tierarztl Wochenschr** 1982 Jun 15;95(12):221–7 (Eng. Abstr.) **(Ger)**

[Placement of permanent cannulas into the dog's colon] Brass W, et al. **Z Versuchstierkd** 1981;23(2):128–33 **(Ger)**

SURGERY

Large-segment tracheal resection and interannular anastomosis with a tension-release technique in the dog. Dallman MJ, et al. **Am J Vet Res** 1982 Feb;43(2):217–23

Carotid artery exteriorization for percutaneous catheterization in sheep and dogs. Dueck R, et al. **Am J Vet Res** 1982 May;43(5):898–901

Colonic anastomosis: evaluation of an end-to-end crushing and inverting technique. Richardson DC, et al. **Am J Vet Res** 1982 Mar;43(3):436–42

Renal function after prolonged hypotensive anesthesia and surgery in dogs with reduced renal mass. Stone EA, et al. **Am J Vet Res** 1981 Oct;42(10):1675–80

Sterilization of the male dog and cat by laparoscopic occlusion of the ductus deferens. Wildt DE, et al. **Am J Vet Res** 1981 Nov;42(11):1888–97

Ureteral replacement in the dog using ethanol preserved glutaraldehyde umbilical vein. Donovan MG, et al. **Ir J Med Sci** 1982 Jan;151(1):12–5

Veterinary endodontics [letter] Bellizzi R. **J Am Vet Med Assoc** 1982 Jan 1;180(1):6

Intraocular prosthesis in the dog and cat: the failures. Koch SA. **J Am Vet Med Assoc** 1981 Nov 1;179(9):883–5

Canine endodontic therapy [letter] Ross DL. **J Am Vet Med Assoc** 1982 Feb 15;180(4):356, 8

Veterinary endodontics [letter] Tholen M. **J Am Vet Med Assoc** 1982 Jan 1;180(1):4, 6

Surgical approach to the rostral cranial fossa by radical transfrontal craniotomy in the dog. de Wet PD, et al. **J S Afr Vet Assoc** 1982 Mar;53(1):40–51

Chronic biliary sampling via a subcutaneous system in dogs. Barringer M, et al. **Lab Anim Sci** 1982 Jun;32(3):283–5

A modification of the canine carotid-jugular shunt. Corbitt RH, et al. **Lab Anim Sci** 1981 Oct;31(5 Pt 1):516–8

Canine thoracic duct cannulation revisited. Briscoe DE. **Lymphology** 1981 Mar;14(1):32–4

Removal of a needle from a dog's stomach. Bose AS, et al. **Mod Vet Pract** 1981 Nov;62(11):882

Anesthesia for the geriatric patient. Evans T. **Vet Clin North Am [Small Anim Pract]** 1981 Nov; 11(4):653–67

Use of saffan in dogs [letter] Jones DR. **Vet Rec** 1981 Jun 6;108(23):504

[Anesthesia in dogs and cats with althesin] Němeček L, et al. **Vet Med (Praha)** 1982 Jan;27(1):31–6 (Eng. Abstr.) **(Cze)**

[Ovariohysterectomy in dogs (author's transl)] Okkens AC. **Tijdschr Diergeneeskd** 1981 Nov 15;106(22):1129–41 (Eng. Abstr.) **(Dut)**

URINE

Urine concentrations of gentamicin, tobramycin, amikacin, and kanamycin after subcutaneous administration to healthy adult dogs. Ling GV, et al. **Am J Vet Res** 1981 Oct; 42(10):1792–4

The bladderless dog: a new animal model for use in experimental xenobiology. Snow IB, et al. **Drug Metab Rev** 1981;12(2):293–324

Results of urinalysis and bacterial culture of canine urine obtained by antepubic cystocentesis, catheterization, and the midstream voided methods. Comer KM, et al. **J Am Vet Med Assoc** 1981 Nov 1;179(9):891–5

Assay for fibrinogen–fibrin degradation products in canine urine. Steward AP, et al. **Vet Rec** 1981 Aug 29; 109(9):179–80

DOLICHOL see under **DITERPENES**

DOLICHOL MONOPHOSPHATE MANNOSE see under **POLYISOPRENYL PHOSPHATE SUGARS**

DOLICHOL PHOSPHATES see under **POLYISOPRENYL PHOSPHATES**

DOLPHINS

Manual retrieval of a gastric foreign body in an Atlantic bottlenose dolphin. Beroza GA, et al. **J Am Vet Med Assoc** 1981 Dec 1;179(11):1286–8

Dietary disorders in marine mammals: synthesis and new findings. Geraci JR. **J Am Vet Med Assoc** 1981 Dec 1; 179(11):1183–91 (63 ref.)

ANATOMY & HISTOLOGY

Giant neural systems in the inner retina and optic nerve of small whales. Dawson WW, et al. **J Comp Neurol** 1982 Feb 10;205(1):1–7

EMBRYOLOGY

Embryonic brain–growth in a dolphin. Pirlot P, et al. **Anat Embryol (Berl)** 1982;164(1):43–50

GENETICS

Chromosomal variation and constitutive heterochromatin in three porpoise species (genus Stenella). Stock AD. **Cytogenet Cell Genet** 1981;31(2):91–100

METABOLISM

[Development of a grain irradiator—dose rate distribution in an irradiation region (author's transl)] Hoshi T, et al. **Radioisotopes** 1981 Aug;30(8):443–8 (Eng. Abstr.) **(Jpn)**

[Stable- and radio-nuclide concentrations in organs of a dolphin (author's transl)] Momoshima N, et al. **Radioisotopes** 1981 Aug;30(8):449–51 **(Jpn)**

PHYSIOLOGY

Hydromechanics and biology. Nachtigall W. **Biophys Struct Mech** 1981;8(1–2):1–22

Spermatozoa of the Atlantic bottlenosed dolphin, Tursiops truncatus. Fleming AD, et al. **J Reprod Fertil** 1981 Nov; 63(2):509–14

Dietary deficiencies of captive dolphins. Williams G. **Prog Lipid Res** 1981;20:259–60

Dolphins and the bends. Mackay RS. **Science** 1982 May 7; 216(4546):650–1

[Hearing mechanisms in dolphins and baleen whales (author's transl)] Fleischer G. **HNO** 1982 Apr;30(4):123–30 (32 ref.) (Eng. Abstr.) **(Ger)**

[Method of telemetric recording of the dynamics of blood pressure and respiration in freely swimming dolphins] Dargol'ts VG, et al. **Fiziol Zh SSSR** 1981 Nov; 67(11):1743–8 **(Rus)**

DOM see under **AMPHETAMINES**

DOMICILIARY CARE see **HOME CARE SERVICES**

DOMINANCE, CEREBRAL

see related
LATERALITY

Monoptic and dichoptic signals do not cooperate in the perception of a bistable motion display. Gerbino W. **Acta Psychol (Amst)** 1981 Aug;48(1–3):79–87

Perceptual selection in dichotic listening. Hede AJ. **Acta Psychol (Amst)** 1981 Dec;49(3):189–200

Effects of question type and experimenter position on bilateral differences in electrodermal activity and conjugate lateral eye movements. O'Gorman JG, et al. **Acta Psychol (Amst)** 1981 Oct;49(1):43–51

Hemispheric asymmetries and schizophrenia. Andreasen NC, et al. **Am J Psychiatry** 1982 Apr;139(4):427–30

Schizophrenia and cerebral asymmetry detected by computed tomography. Luchins DJ, et al. **Am J Psychiatry** 1982 Jun; 139(6):753–7

Hemispheric specialization and the growth of human understanding. Kinsbourne M. **Am Psychol** 1982 Apr; 37(4):411–20

Is linear analysis sufficient to reveal abnormalities of the visual system under dichoptic stimulation conditions? Fricker SJ, et al. **Ann NY Acad Sci** 1982;388:622–7

Spatial frequency effects on binocular interaction assessed with visual evoked potentials. Lennerstrand G, et al. **Ann NY Acad Sci** 1982;388:631–4

Chronotopographical study of the pattern-evoked response and binocular summation. Lesevre N. **Ann NY Acad Sci** 1982;388:635–41

Would an evaluation of binocularity using algebraic interaction between the two eyes be modified using the pseudorandom binary sequence method? Srebro R. **Ann NY Acad Sci** 1982;388:628–30

Motoric laterality and eye dominance suggest unique pattern of cerebral organization in schizophrenia. Piran N, et al. **Arch Gen Psychiatry** 1982 Sep;39(9):1006–10

Right–left asymmetry in anterior speech region. Falzi G, et al. **Arch Neurol** 1982 Apr;39(4):239–40

Hemispheric asymmetry in the expression of positive and negative emotions. Neurologic evidence. Sackeim HA, et al. **Arch Neurol** 1982 Apr;39(4):210–8 (103 ref.)

Transient aphasia with persistent apraxia: uncommon sequela of massive left-hemisphere stroke. Selnes OA, et al. **Arch Neurol** 1982 Feb;39(2):122–6

Can left-handed writing posture predict cerebral language laterality? Volpe BT, et al. **Arch Neurol** 1981 Oct; 38(10):637–8

Auditory evoked potentials to verbal stimuli in health, aphasic, and right hemisphere damaged subjects. Pathway effects and parallels to language processing and attention. Rothenberger A, et al. **Arch Psychiatr Nervenkr** 1982; 231(2):155–70

Visual and verbal modes of information processing and their relation to the effectiveness of cognitively-based anxiety-reduction techniques. Akins T, et al. **Behav Res Ther** 1982;20(3):261–8

Lateral asymmetry in bodily response to hypnotic suggestions. Sackeim HA. **Biol Psychiatry** 1982 Apr; 17(4):437–47

Evidence of right cerebral hemisphere dysfunction in schizophrenic patients with left hemisphere overactivation. Schweitzer L. **Biol Psychiatry** 1982 Jun;17(6):655–73

Opposite hemisphere differences in movement related potentials preceding foot and finger flexions. Brunia CH, et al. **Biol Psychol** 1981 Dec;13:261–9

Asymmetries of the contingent negative variation (CNV) and its after positive wave (APW) related to differential hemispheric involvement in verbal and non-verbal tasks. Butler SR, et al. **Biol Psychol** 1981 Dec;13:157–71

Hemisphericity, expressivity and autonomic arousal. Newlin DB. **Biol Psychol** 1981 Feb;12(1):13–23

P300, as a function of S–R compatibility and motor programming. Ragot R, et al. **Biol Psychol** 1981 Dec; 13:289–94

Some effects of disconnecting the cerebral heispheres. Nobel Lecture, 8 December 1981. Sperry R. **Biosci Rep** 1982 May; 2(5):265–76 (48 ref.)

Diagnosis of dyslexia by means of a new indicator of eye dominance. Stein JF, et al. **Br J Ophthalmol** 1982 May; 66(5):332–6

Impaired cerebral dominance and schizophrenia. Chaugule VB, et al. **Br J Psychiatry** 1981 Jul;139:23–4

Unfavourable left–right asymmetries of the brain and autism: a question of methodology. Tsai L, et al. **Br J Psychiatry** 1982 Mar;140:312–9

Asymmetries in moving faces. Campbell R. **Br J Psychol** 1982 Feb;73(Pt 1):95–103

Preference for lateral directional properties: a reply to Gordon. Freimuth M, et al. **Br J Psychol** 1981 Aug;72(Pt 3):321–2

Lateral organization and the perception of orientation in pictures: a comment on Freimuth & Wapner's experiment. Gordon IE. **Br J Psychol** 1981 Aug;72(Pt 3):317–9

EEG correlates of hemisphere differences during a rapid calculation task. Shepherd R, et al. **Br J Psychol** 1982 Feb; 73(Pt 1):73–84

The use of laterally presented words in research into cerebral asymmetry: is directional scanning likely to be a source of artifact? Bradshaw JL, et al. **Brain Lang** 1981 Sep; 14(1):1–14

Cerebral lateralization, preferred cognitive mode, and reading ability in normal children. Caplan B, et al. **Brain Lang** 1981 Nov;14(2):349–70

Crossed aphasia: analysis of four cases. Carr MS, et al. **Brain Lang** 1981 Sep;14(1):190–202

Functional cerebral lateralization in subtypes of disabled readers. Dalby JT, et al. **Brain Lang** 1981 Sep;14(1):34–48

Cerebral lateralization in individuals diagnosed as autistic in early childhood. Dawson G, et al. **Brain Lang** 1982 Mar; 15(2):353–68

The influence of Hangul learning upon laterality differences in Hangul word recognition by native Japanese subjects. Endo M, et al. **Brain Lang** 1981 Sep;14(1):114–9

Sex and handedness differences in EEG measures of hemispheric specialization. Galin D, et al. **Brain Lang** 1982 May;16(1):19–55

Cerebral organization in adult second language acquisition: is the right hemisphere more involved? Galloway LM, et al. **Brain Lang** 1982 May;16(1):56–60

Hemispheric specialization for syntactic form. Koff E, et al. **Brain Lang** 1981 Sep;14(1):138–43

Cerebral lateralization in bilinguals: methodological issues. Obler LK, et al. **Brain Lang** 1982 Jan;15(1):40–54

Asymmetries in the perceptual span for Israeli readers. Pollatsek A, et al. **Brain Lang** 1981 Sep;14(1):174–80

Language ability in right and left hemiplegic children. Rankin JM, et al. **Brain Lang** 1981 Nov;14(2):292–306

Ear differences in simple reaction time: the influence of attentional factors. Shadden BB, et al. **Brain Lang** 1981 Sep;14(1):181–9

Bilingual speech: bilateral control? Sussman HM, et al. **Brain Lang** 1982 Jan;15(1):125–42

Monaural recall and the right–ear advantage. Taylor HG, et al. **Brain Lang** 1982 Mar;15(2):334–9

The role of the right hemisphere in the apprehension of complex linguistic materials. Wapner W, et al. **Brain Lang** 1981 Sep;14(1):15–33

Imagery and verbal encoding in left and right hemisphere damaged patients. Whitehouse PJ. **Brain Lang** 1981 Nov; 14(2):315–32

Hemispheric differences in picture—word interference. Wuillemin DB, et al. **Brain Lang** 1982 May;16(1):121–32

The hemispheric dominance of cortical cells in the absence of direct visual pathways. Yinon U, et al. **Brain Res** 1982 Jan 28;232(1):187–90

Lateral asymmetry in face perception. St John RC. **Can J Psychol** 1981 Sep;35(3):213–23

Head Orientation position during birth and in infant neonatal period, and hand preference at nineteen weeks. Goodwin RS, et al. **Child Dev** 1981 Sep;52(3):819–26

Clinical characterization of schizophrenic patients and cerebral asymmetry: review and hypothesis. Merrin EL. **Compr Psychiatry** 1982 Jan–Feb;23(1):55–67

Asymmetrical cognitive deterioration in demented and Parkinson patients. Bentin S, et al. **Cortex** 1981 Dec; 17(4):533–43

Asymmetry of facial expression related to handedness, footedness, and eyedness: a quantitative study. Borod JC, et al. **Cortex** 1981 Oct;17(3):381–90

The influence of lateral orientation on cerebral processing. Casey SM. **Cortex** 1981 Dec;17(4):503–13

Impairment of right brain-damaged patients on a linguistic cognitive task. Cavalli M, et al. **Cortex** 1981 Dec; 17(4):545–55

The cerebral hemispheres appear to function differently in artists and scientists. Charman DK. **Cortex** 1981 Oct; 17(3):453–8

Influence of association value in recognition of random shapes under dichhaptic presentation. Denes G, et al. **Cortex** 1981 Dec;17(4):597–601

The differential contribution of the verbal code in the course of visual learning: evidence from hemisphere-damaged patients. De Renzi E, et al. **Cortex** 1981 Oct;17(3):447–52

Visual hemifield asymmetry for naming concrete nouns and verbs in children between seven and eleven years of age. Ellis AW, et al. **Cortex** 1981 Dec;17(4):617–23

Laterality differences in recognition of Japanese and Hangul words by monolinguals and bilinguals. Endo M, et al. **Cortex** 1981 Oct;17(3):391–400

Effect of processing mode on the degree of motor asymmetry in the Manual Stroop Test. Guiard Y. **Cortex** 1981 Oct; 17(3):427–34

Development of hemisphere specialization for tactile recognition in normal children. Hatta T, et al. **Cortex** 1981 Dec;17(4):611–6

Asymmetries in facial recognition: evidence for a memory component. Hay DC, et al. **Cortex** 1981 Oct;17(3):357–68

The relationship among handedness, sighting dominance, and acuity dominance in elementary school children. Hebben N, et al. **Cortex** 1981 Oct;17(3):441–6

Intercorrelation of laterality indices. Hellige JB, et al. **Cortex** 1981 Apr;17(1):129–34

Comparative processing of imageable nouns in the left and right visual fields. Lambert AJ, et al. **Cortex** 1981 Oct; 17(3):411–8

Dissociated awareness of manual performance on two different visual associative tasks: a 'split-brain' phenomenon in normal subjects? Landis T, et al. **Cortex** 1981 Oct; 17(3):435–40

The basis of visual constructional disability in patients with unilateral cerebral lesions. Mack JL, et al. **Cortex** 1981 Dec; 17(4):515–31

Signal-detection analysis of hemispheric differences in visual recognition memory. Madden DJ, et al. **Cortex** 1981 Dec; 17(4):491–501

Selective attention and laterally in good and poor readers. Milberg VW, et al. **Cortex** 1981 Dec;17(4):571–82

Ear asymmetry in an auditory spatial Stroop task as a function of handedness. Pieters JM. **Cortex** 1981 Oct;17(3):369–80

Classification of musical information presented to the right

and left ear. Shanon B. **Cortex** 1981 Dec;17(4):583–95
Ear asymmetry in telephone-listening behavior. Surwillo WW. **Cortex** 1981 Dec;17(4):625–32
Hemispheric lateralization and aesthetic judgement. van Houten WH, et al. **Cortex** 1981 Dec;17(4):477–89
Dichotic monitoring as a test of hemispheric dominance in cases of epilepsy. Wale J, et al. **Cortex** 1981 Apr; 17(1):135–40
Immediate free recall of unilateral spoken word lists. Williams SM. **Cortex** 1981 Oct;17(3):465–70
Accuracy of naming laterally presented known faces by children and adults. Young AW, et al. **Cortex** 1981 Apr; 17(1):97–106
Identification and storage of line drawings presented to the left and right cerebral hemispheres of adults and children. Young AW, et al. **Cortex** 1981 Oct;17(3):459–64
Optokinetic nystagmus in the pigeon (Columba livia). I. Study in monocular and binocular vision. Gioanni H, et al. **Exp Brain Res** 1981;44(4):362–70
Perception of semantic and syntactic paradigms in dichotic listening. Heeschen C, et al. **Folia Phoniatr (Basel)** 1981; 33(4):242–53
Normal-mirrored letter recognition, same-different judgment and cerebral dominance. Shimizu A, et al. **Folia Psychiatr Neurol Jpn** 1982;36(1):59–74
Changes in perceptual asymmetries with clinical improvement of depression and schizophrenia. Johnson O, et al. **J Abnorm Psychol** 1982 Feb;91(1):45–54
Facial muscle patterning lateralization during elation and depression imagery. Sirota AD, et al. **J Abnorm Psychol** 1982 Feb;91(1):25–34
Anxiety and perceptual structure: individual differences in neuropsychological function. Tyler SK, et al. **J Abnorm Psychol** 1982 Jun;91(3):210–20
Effects of hemisphere-specific stimulation on the reading performance of dyslexic boys: a pilot study. Bakker DJ, et al. **J Clin Neuropsychol** 1981 Jul;3(2):155–9
Does the right hemisphere age more rapidly than the left? Goldstein G, et al. **J Clin Neuropsychol** 1981 May; 3(1):65–78
Tachistoscopic visual perception after closed head injury. Hannay HJ, et al. **J Clin Neuropsychol** 1982 Jul;4(2):117–29
Neuropsychological analysis of a case of crossed aphasia: implications for reversed laterality. Larrabee GJ, et al. **J Clin Neuropsychol** 1982 Jul;4(2):131–42
Electrodermal responses in patients with unilateral brain damage. Zoccolotti P, et al. **J Clin Neuropsychol** 1982 Jul; 4(2):143–50
Effects of unilateral lesions of the Wechsler Memory Scale. Bornstein RA. **J Clin Psychol** 1982 Apr;38(2):389–92
Equipotentiality of function in dichotic listening. Unger T, et al. **J Commun Disord** 1981 Sep;14(5):435–41
Are lateral and perceptual asymmetries related to WISC-R and achievement test performance in normal and learning-disabled children? Hynd GW, et al. **J Consult Clin Psychol** 1981 Dec;49(6):977–9
Electrodermal responses to attended and nonattended significant stimuli during dichotic listening. Dawson ME, et al. **J Exp Psychol [Hum Percept]** 1982 Apr;8(2):315–24
Hemispheres as independent resource systems: limited-capacity processing and cerebral specialization. Friedman A, et al. **J Exp Psychol [Hum Percept]** 1981 Oct; 7(5):1031–58
Latency differences in monoptic and dichoptic shape and color decision making. Meyer GE. **J Exp Psychol [Hum Percept]** 1981 Oct;7(5):968–71
Journal of experimental psychology: human perception and performance. Ono H, et al. **J Exp Psychol [Hum Percept]** 1981 Oct;7(5):937–47
About face: left-hemisphere involvement in processing physiognomies. Sergent J. **J Exp Psychol [Hum Percept]** 1982 Feb;8(1):1–14
The cerebral balance of power: confrontation or cooperation? Sergent J. **J Exp Psychol [Hum Percept]** 1982 Apr; 8(2):253–72
Interaural and monaural clicks and clocks: tempo difference versus attention switching. ten Hoopen G, et al. **J Exp Psychol [Hum Percept]** 1982 Jun;8(3):422–34
Binocular summation occurs during interocular suppression. Westendorf DH, et al. **J Exp Psychol [Hum Percept]** 1982 Feb;8(1):81–90
Verbal and visuospatial performance and aging: a neuropsychological approach. Shelton MD, et al. **J Gerontol** 1982 May;37(3):336–41
Electrodermal responses in post-traumatic syndromes. A pilot study of cerebral hemisphere functioning in Vietnam veterans. Brende JO. **J Nerv Ment Dis** 1982 Jun; 170(6):352–61
The lateralising significance of hypergraphia in temporal lobe epilepsy. Roberts JK, et al. **J Neurol Neurosurg Psychiatry** 1982 Feb;45(2):131–8
Right hemisphere involvement in learning disability, attention deficit disorder, and childhood major depressive disorder. Brumback RA, et al. **Med Hypotheses** 1982 May; 8(5):505–14
Left-handedness and crossed laterality in school children. Nelson JH, et al. **Milit Med** 1982 Jun;147(6):468–70
The soul in left-handers: a neurologic site visit. Spudis EV. **NC Med J** 1981 May;42(5):331–4
Sex differences in asymmetry in the facial expression of emotion. Alford R, et al. **Neuropsychologia** 1981; 19(4):605–8
On the representation of a second language in the cerebral hemispheres of right-handed people. Bentin S. **Neuropsychologia** 1981;19(4):599–603
In eliciting hemisphere asymmetries which is more important: the stimulus input side or the recognition side? A tachistoscopic study on normals. Berrini R, et al. **Neuropsychologia** 1982;20(1):91–4
Asymmetry in positive and negative facial expressions: sex differences. Borod JC, et al. **Neuropsychologia** 1981; 19(6):819–24
Asymmetry of facial expression in brain damaged subjects. Bruyer R. **Neuropsychologia** 1981;19(4):615–24
Statistical determination of degree of laterality. Bryden MP, et al. **Neuropsychologia** 1981;19(4):571–81
A left-ear advantage for identifying the emotional quality of tonal sequences. Bryden MP, et al. **Neuropsychologia** 1982;20(1):83–7
Cerebral asymmetry in word-object matching by appearance and by function. Elias JW, et al. **Neuropsychologia** 1982; 20(2):215–8
The development of language lateralization as measured by dichotic listening. Eling P, et al. **Neuropsychologia** 1981; 19(6):767–73
Shift in cognitive asymmetries between wakings from REM and NREM sleep. Gordon HW, et al. **Neuropsychologia** 1982;20(1):99–103
Ear dominance for pitch. Gregory AH. **Neuropsychologia** 1982;20(1):89–90
The lengthy persistence of priming effects in dichotic listening. Hiscock M, et al. **Neuropsychologia** 1982; 20(1):43–53
Interhemispheric EEG interactions during voluntary movement. Inouye T, et al. **Neuropsychologia** 1982; 20(2):219–24
Asymmetries for hemiface size and mobility. Koff E, et al. **Neuropsychologia** 1981;19(6):825–30
On Kelly and Orton's 'Dichotic perception of word pairs with mixed image values'. Lambert AJ, et al. **Neuropsychologia** 1982;20(2):209–10
Effect of laterality of orientation on verbal memory. Lempert H, et al. **Neuropsychologia** 1982;20(2):211–4
Evidence against the hypothesis of right hemisphere language dominance in the Native American Navajo. McKeever WF. **Neuropsychologia** 1981;19(4):595–8
Degree of lateralization as a hierarchy of manual and cognitive skill levels. Miller CA. **Neuropsychologia** 1982; 20(2):155–62
Asymmetries in spontaneous facial expressions and their possible relation to hemispheric specialization. Moscovitch M, et al. **Neuropsychologia** 1982;20(1):71–81
Hemispheric specialization displayed by man but not macaques for analysis of faces. Overman WH Jr, et al. **Neuropsychologia** 1982;20(2):113–28
Hemispheric differences on sequential effects in a choice reaction task. Possamaï CA. **Neuropsychologia** 1981; 19(6):775–9
Hemispheric asymmetry for face recognition: some effects of visual masking, hemiretinal stimulation and learning task. Proudfoot RE. **Neuropsychologia** 1982;20(2):129–44
Differential contributions of the two cerebral hemispheres to the perception of happy and sad faces. Reuter-Lorenz P, et al. **Neuropsychologia** 1981;19(4):609–13
Literacy and hemispheric specialization for language: digit dichotic listening in illiterates. Tzavaras A, et al. **Neuropsychologia** 1981;19(4):565–70
Localization of dichotically presented sounds in dogs. Kalmykova IV. **Neurosci Behav Physiol** 1981 May–Jun; 11(3):268–72
Effect of conflict awareness on visual dominance. Bacon JH, et al. **Percept Mot Skills** 1982 Feb;54(1):263–7
Tactile discrimination of direction of lines in relation to hemispheric specialization. Brizzolara D, et al. **Percept Mot Skills** 1982 Apr;54(2):655–60
Ocular dominance: a replication of the dimensional approach. Cei A, et al. **Percept Mot Skills** 1982 Feb;54(1):23–8
Lateralization of sensory and motor functions in human neonates. Cioni G, et al. **Percept Mot Skills** 1982 Jun;54(3 Pt 2):1151–8
Reversed cerebral asymmetries as a potential risk factor in autism: a reconsideration. D'Angelo EJ. **Percept Mot Skills** 1981 Aug;53(1):101–2
Sex differences in dichaptic processing. Dawson GD. **Percept Mot Skills** 1981 Dec;53(3):935–44
Hemispheric specialization for tactile-spatial processing in preschool children. Etaugh C, et al. **Percept Mot Skills** 1981 Oct;53(2):621–2
Note on criteria for writing posture used to test Levy and Reid's cerebral organization hypotheses. Fudin R, et al. **Percept Mot Skills** 1982 Apr;54(2):551–6
Magnitude of suppression of binocular rivalry within the invisible pattern. Fukuda H. **Percept Mot Skills** 1981 Oct; 53(2):371–5
Sex, reading, ability, and visual half-field test-retest reliability. Grant DW. **Percept Mot Skills** 1982 Feb; 54(1):49–50
Recognition and recall: an electroencephalographic investigation of hemispheric alpha asymmetries for males and females on perceptual and retrieval tasks. Haynes WO, et al. **Percept Mot Skills** 1981 Aug;53(1):283–90
Relationship of ear specialization to degree of task difficulty, sex, and lateral preference. Kraft RH. **Percept Mot Skills** 1982 Jun;54(3):703–14
Actuarial assessment of Wechsler Verbal-Performance Scale differences as signs of lateralized cerebral impairment. Leli DA, et al. **Percept Mot Skills** 1981 Oct;53(2):491–6
Hemispheric asymmetries in children. Lewandowski L. **Percept Mot Skills** 1982 Jun;54(3):1011–9
Functional asymmetry in the chimpanzee. Muncer SJ. **Percept Mot Skills** 1982 Feb;54(1):147–52
Dichaptic task performance as a function of ability pattern, sex, and hand preference. Posluszny R, et al. **Percept Mot Skills** 1981 Oct;53(2):435–8
Spatio-temporal discrimination of frequency in the right and left visual fields: a preliminary report. Rao SM, et al. **Percept Mot Skills** 1981 Aug;53(1):311–6
Recognition of designs after a unilateral stroke. Riege WH, et al. **Percept Mot Skills** 1982 Apr;54(2):538
Cerebral dominance and muscle tone at rest. Ruggieri V, et al. **Percept Mot Skills** 1982 Jun;54(3 Pt 2):1063–6
Figure-background perception and cerebral dominance: hypothesized integrated process of hemispheric specialization. Ruggieri V, et al. **Percept Mot Skills** 1982 Apr;54(2):435–40
Measuring visual disembedding in a tachistoscopic presentation. Zoccolotti P, et al. **Percept Mot Skills** 1982 Apr;54(2):479–86
Study of mirror imaging in twins. Gedda L, et al. **Prog Clin Biol Res** 1981;69A:167–8
Hemispheric differences in tactile and visual recognition of Braille-like stimulus patterns with static and dynamic modes of inspection. Schmidt JM, et al. **Psychol Res** 1981; 43(3):293–305
Binaural processing of temporal intensity cues: suggestions for a one-system model. Strube G. **Psychol Res** 1982; 44(1):45–9
The relative efficacy of unilateral nondominant and bilateral stimulation. Welch CA. **Psychopharmacol Bull** 1982 Apr; 18(2):68–70
Differences between deaf and hearing adults in task-related EEG asymmetries. Suter S. **Psychophysiology** 1982 Mar; 19(2):124–8
Asymmetries in face processing: evidence for a right hemisphere perceptual advantage. Hay DC. **Q J Exp Psychol [A]** 1981 Aug;33(Pt 3):267–74
Laterality effects in visual information processing: hemispheric specialisation or the orienting of attention? Schwartz S, et al. **Q J Exp Psychol [A]** 1982 Feb;34(Pt 1):61–77
Binaural interaction and localization with various hearing impairments. Colburn HS. **Scand Audiol [Suppl]** 1982; 15:27–45
Some implications of audiological measures in the population for binaural aiding strategies. Davis AC, et al. **Scand Audiol [Suppl]** 1982;15:167–79
Forms of binaural summation and the implications of individual variability for binaural hearing aids. Haggard MP, et al. **Scand Audiol [Suppl]** 1982;15:47–63
Evaluation of interaural signal differences. Lindemann W. **Scand Audiol [Suppl]** 1982;15:147–55
The effectiveness of binaural hearing aids. Markides A. **Scand Audiol [Suppl]** 1982;15:181–96
Clinical applications of selected binaural effects. Noffsinger D. **Scand Audiol [Suppl]** 1982;15:157–65
The problem of front-back localization in binaural hearing. Weinrich S. **Scand Audiol [Suppl]** 1982;15:135–45
Hemispheric imbalances masquerading as paranoid and nonparanoid syndromes? Gruzellier J. **Schizophr Bull** 1981; 7(4):662–73 (67 ref.)
Dependence of reaction time on visual fields in patients with unilateral hemispheric lesions. Isagoda A, et al. **Tohoku J Exp Med** 1981 Jul;134(3):295–9
[Diagnostic value of periodic lateralized complexes in the EEG (author's transl)] Bauer G, et al. **EEG EMG** 1981 Sep;12(3):135–41 (Eng. Abstr.) **(Ger)**
[Anatomical asymmetries of the frontal and parietal lobes (author's transl)] Utsunomiya R, et al. **No To Shinkei** 1982 Mar;34(3):253–8 (Eng. Abstr.) **(Jpn)**
[Task differences in the tachistoscopic Kanji recognition and their relations to hemisphere asymmetries (author's transl)] Hatta T. **Shinrigaku Kenkyu** 1981 Aug;52(3):139–44 (Eng. Abstr.) **(Jpn)**
[Modes of information processing underlying hemispheric functional differences (author's transl)] Nishikawa Y, et al. **Shinrigaku Kenkyu** 1981 Feb;51(6):335–42 (Eng. Abstr.) **(Jpn)**
[Indices of the structural organization of various cortical formations in the left and right human cerebral hemispheres] Bogolepova IN. **Zh Nevropatol Psikhiatr** 1981;81(7):974–7 (Eng. Abstr.) **(Rus)**

DRUG EFFECTS

A possible cerebral mechanism for the clearing of psychogenic symptoms with amobarbital. Frumkin LR, et al. **Biol Psychiatry** 1981 Jul;16(7):687–91
[Postural asymmetry induction by factors of the right and left hemispheres] Bakalkin Gla, et al. **Dokl Akad Nauk SSSR** 1981;260(5):1271–5 **(Rus)**

PHYSIOLOGY

Laterality differences in recognition of kana and kanji words. Shimizu A, et al. **Acta Neurol (Napoli)** 1981 Dec; 36(6):705–20 (44 ref.)
Diurnal variations in the cortical visual and auditory evoked

potentials. Piperova-Dulbokova D, et al. **Acta Physiol Pharmacol Bulg** 1980;6(4):37–46

Cerebral asymmetry and cerebellar atrophy in schizophrenia: a controlled postmortem study. Luchins DJ, et al. **Am J Psychiatry** 1981 Nov;138(11):1501–3

Schizophrenia and cerebral asymmetry detected by computed tomography. Luchins DJ, et al. **Am J Psychiatry** 1982 Jun; 139(6):753–7

Sylvian aqueduct syndrome caused by unilateral midbrain lesion. Auerbach SH, et al. **Ann Neurol** 1982 Jan;11(1):91–4

Nature of the decussated innervation of the sternocleidomastoid muscle [letter] Geschwind N. **Ann Neurol** 1981 Nov;10(5):495

Asymmetrical volumes of the right and left frontal and occipital regions of the human brain. Weinberger DR, et al. **Ann Neurol** 1982 Jan;11(1):97–100

Roundtable session: the true binocular visual evoked potential: introduction. Bodis-Wollner I. **Ann NY Acad Sci** 1982;388:608–9

Binocular counterrolling in humans with unilateral labyrinthectomy and in normal controls. Diamond SG, et al. **Ann NY Acad Sci** 1981;374:69–79

Unilateral habituation of vestibulo-ocular responses in the cat. Jeannerod M, et al. **Ann NY Acad Sci** 1981;374:340–51

Binocular neurons and cyclopean visually evoked potentials in monkey and man. Julesz B, et al. **Ann NY Acad Sci** 1982;388:37–44

Compensation of unilateral vestibular loss in vestibular neuronitis. Katsarkas A, et al. **Ann NY Acad Sci** 1981; 374:784–93

Spatial frequency limitations in binocular neurons: visual evoked potential evidence. Nakayama K, et al. **Ann NY Acad Sci** 1982;388:610–4

Asymmetric distribution of side preference in hamsters can be reversed by lesions of the caudate nucleus. Giehrl T, et al. **Behav Brain Res** 1980 Apr;1(2):187–96

Visual deficits and recovery following monocular lid closure in a prosimian primate. Joseph R, et al. **Behav Brain Res** 1980 Apr;1(2):165–86

The contribution of the corpus callosum to receptive fields in the lateral suprasylvian visual areas of the cat. Marzi CA, et al. **Behav Brain Res** 1982 Feb;4(2):155–76

Interocular transfer of cardiac conditioning in the pigeon. Mihara M, et al. **Behav Brain Res** 1982 Apr;4(4):411–6

Plasticity of cortico-thalamic projections and functional recovery in the unilateral detelencephalized infant rat. Neumann S, et al. **Behav Brain Res** 1982 Apr;4(4):377–88

Learning in surgical and functional hemidecorticate rats: a preliminary study of compensation. Rose FD, et al. **Behav Brain Res** 1980 Feb;1(1):93–9

Pattern discrimination in rabbits kept in environments of different complexities after unilateral removal of the occipital cortex. Stuurman PM, et al. **Behav Brain Res** 1980 Jun;1(3):211–26

Conditional discrimination training and interocular transfer in pigeons. Watanabe S. **Behav Brain Res** 1980 Apr; 1(2):125–37

Reversal of the behavioural effects of monocular deprivation as a function of age in the kitten. Wilkinson FE. **Behav Brain Res** 1980 Feb;1(1):101–23

Behavioral effects of bilateral entorhinal cortex lesions in the Balb/c mouse. Gauthier M, et al. **Behav Neural Biol** 1981 Dec;33(4):419–36

EEG and slow cortical potentials in anticipation of mental tasks with different hemispheric involvement. Birbaumer N, et al. **Biol Psychol** 1981 Dec;13:251–60

Bilateral electrodermal activity as a function of hemisphere-specific stimulation, hand preference, sex and familial handedness. Smith BD, et al. **Biol Psychol** 1981 Feb;12(1):1–11

Further evidence of dominant hemisphere dysfunction in chronic schizophrenia [letter] Scarone S, et al. **Br J Psychiatry** 1981 Apr;138:354–5

Pure word deafness. Analysis of a case with bilateral lesions and a defect at the prephonemic level. Auerbach SH, et al. **Brain** 1982 Jun;105(Pt 2):271–300

Intelligence and left hemisphere disease. The role of aphasia, apraxia and size of lesion. Basso A, et al. **Brain** 1981 Dec; 104(Pt 4):721–34

Evidence for paracallosal verbal transfer after callosal section. A possible consequence of bilateral language organization. Gazzaniga MS, et al. **Brain** 1982 Mar;105(Pt 1):53–63

Dissociation of spatial information for stimulus localization and the control of attention. Holtzman JD, et al. **Brain** 1981 Dec;104(Pt 4):861–72

Sea-finding behaviour of loggerhead hatchlings: the time course of transient circling following unilateral and asynchronous bilateral blindfolding. Kingsmill SF, et al. **Brain Behav Evol** 1982;20(1–2):29–42

Hemisphere differences in the acquisition and use of descriptive systems. Goldberg E, et al. **Brain Lang** 1981 Sep;14(1):144–73

Cortical blood flow asymmetries during monaural verbal stimulation. Maximilian VA. **Brain Lang** 1982 Jan; 15(1):1–11

Hippocampal polymorph neurons are the cells of origin for ipsilateral association and commissural afferents to the dentate gyrus. Berger TW, et al. **Brain Res** 1981 Nov 9; 224(1):329–36

Commissural projection to the dentate gyrus of the rat: evidence for feed-forward inhibition. Buzsàki G, et al. **Brain Res** 1981 Dec 28;230(1–2):346–50

Behavioural recovery following transplantation of substantia nigra in rats subjected to 6-OHDA lesions of the nigrostriatal pathway. II. Bilateral lesions. Dunnett SB, et al. **Brain Res** 1981 Dec 21;229(2):457–70

Inhibition of primate spinothalamic tract neurons by stimulation in ipsilateral or contralateral ventral posterior lateral (VPLc) thalamic nucleus. Gerhart KD, et al. **Brain Res** 1981 Dec 21;229(2):514–9

Shrinkage of cells in undeprived laminae of the monkey lateral geniculate nucleus following late closure of one eye. Headon MP, et al. **Brain Res** 1981 Dec 14;229(1):187–92

Initial hypertrophy of cells in undeprived laminae of the lateral geniculate nucleus of the monkey following early monocular visual deprivation. Headon MP, et al. **Brain Res** 1982 Apr 29;238(2):439–44

Evidence for ganglion cell death during development of the ipsilateral retinal projection in the rat. Jeffery G, et al. **Brain Res** 1981 Aug;254(1):176–80

Depth perception, eye alignment and cortical ocular dominance of dark-reared cats. Kaye M, et al. **Brain Res** 1981 Aug;254(1):37–53

The sensitive period for strabismus in the kitten. Levitt FB, et al. **Brain Res** 1982 Feb;255(2):323–7

A disconnection analysis of hippocampal function. Olton DS, et al. **Brain Res** 1982 Feb 11;233(2):241–53

Sexually dimorphic cerebral asymmetries in 2-deoxy-D-glucose uptake during postnatal development of the rat: correlations with age and relative brain activity. Ross DA, et al. **Brain Res** 1982 Mar;255(3):341–7

Optic fiber segregation in goldfish with two eyes innervating one tectal lobe. Springer AD, et al. **Brain Res** 1981 Nov 23;225(1):23–36

Physiological properties of expanded ipsilateral retinocollicular projection in neonatally enucleated albino rats. Takeuchi H, et al. **Brain Res** 1982 Jan 7;231(1):191–6

Ipsilateral hypothalamic deafferentation blocks the increase in serum FSH following hemi-castration. Nance DM, et al. **Brain Res Bull** 1982 Mar;8(3):299–302

The effect of unilateral brain lesion on reasoning. Golding E. **Cortex** 1981 Apr;17(1):31–40

Sentence imagery and recall: an electroencephalographic evaluation of hemispheric processing in males and females. Haynes WO, et al. **Cortex** 1981 Apr;17(1):49–62

Motor and cognitive interactions during lateralized cerebral functions in children: an EEG study. Ruoff P, et al. **Cortex** 1981 Apr;17(1):5–18

Non-cephalic reference recording of early somatosensory potentials to finger stimulation in adult or aging normal man: differentiation of widespread N18 and contralateral N20 from the prerolandic P22 and N30 components. Desmedt JE, et al. **Electroencephalogr Clin Neurophysiol** 1981 Dec;52(6):553–70

The effects of frontal cortex lesions on event-related potentials during auditory selective attention. Knight RT, et al. **Electroencephalogr Clin Neurophysiol** 1981 Dec; 52(6):571–82

Single unit receptive fields in rabbit primary binocular cortex. Vaney DI, et al. **Exp Brain Res** 1982;46(2):257–62

Visuotopic organization of the superior colliculus of the opossum. Volchan E, et al. **Exp Brain Res** 1982;46(2):263–8

A morphological study of male rat cerebral cortical asymmetry. Dowling GA, et al. **Exp Neurol** 1982 Jan; 75(1):51–67

Does sex influence laterality differences in recognition of visually-presented kana or kanji words? Shimizu A, et al. **Folia Psychiatr Neurol Jpn** 1981;35(4):417–23

Role of the dominant and nondominant hemispheres in the organization of spatial hearing. Al'tman YaA, et al. **Hum Physiol** 1981 Jan-Feb;7(1):7–13

An investigation into EEG asymmetry in young children. Waterfall RC, et al. **Int J Biomed Comput** 1982 May; 13(3):199–212

Cognitive development and cerebral lateralization in children with learning disabilities. Obrzut JE, et al. **Int J Neurosci** 1981;14(3–4):139–45

Lateralized differences associated with semantically varied auditory material. Wogan M, et al. **Int J Neurosci** 1981; 14(3–4):163–7

Constructional strategies on complex figure drawings after unilateral brain damage. Binder LM. **J Clin Neuropsychol** 1982 May;4(1):51–8

Neuropsychological dimensions of autism in children: a test of the hemispheric dysfunction hypothesis. Hoffmann WL, et al. **J Clin Neuropsychol** 1982 May;4(1):27–41

Central processing deficiencies in children: toward a developmental neuropsychological model. Rourke BP. **J Clin Neuropsychol** 1982 May;4(1):1–18

The neuropsychology of development hemispheric laterality, limbic language, and the origin of thought. Joseph R. **J Clin Psychol** 1982 Jan;38(1):4–33

Dichotic listening by brain-injured adults: observation of divergent test responses. Siegenthaler BM, et al. **J Commun Disord** 1981 Sep;14(5):399–409

Crossed connections of the substantia nigra in the rat. Gerfen CR, et al. **J Comp Neurol** 1982 May 20;207(3):283–303

Central and peripheral influences on retention of postural asymmetry in rats. Steinmetz JE, et al. **J Comp Physiol Psychol** 1982 Feb;96(1):4–11

Electrocardiographic alterations in subarachnoid haemorrhage. Correlation between spasm of the arteries of the left side on the brain and T inversion and QT prolongation. Stober T, et al. **J Neurol** 1982;227(2):99–113

Point localisation in patients with unilateral brain damage. Tartaglione A, et al. **J Neurol Neurosurg Psychiatry** 1981 Oct;44(10):935–41

Discharge patterns of cat lateral superior olivary units to ipsilateral tone-burst stimuli. Tsuchitani C. **J Neurophysiol** 1982 Mar;47(3):479–500

Theory for the development of neuron selectivity: orientation specificity and binocular interaction in visual cortex. Bienenstock EL, et al. **J Neurosci** 1982 Jan;2(1):32–48

Stimulus dominance in dichotic listening. Speaks C, et al. **J Speech Hear Res** 1981 Sep;24(3):430–7

Prosopagnosia: anatomic basis and behavioral mechanisms. Damasio AR, et al. **Neurology (NY)** 1982 Apr;32(4):331–41

Right thalamic injury, impaired visuospatial perception, and alexia. Henderson VW, et al. **Neurology (NY)** 1982 Mar; 32(3):235–40

Cortical mechanisms involved in praxis: observations following partial and complete section of the corpus callosum in man. Volpe BT, et al. **Neurology (NY)** 1982 Jun;32(6):645–50

Hemispheric asymmetry for classifying upright and inverted letter pairs: handedness and sex differences. Birkett P. **Neuropsychologia** 1981;19(5):713–7

Brain and conscious representation of outside reality. Bisiach E, et al. **Neuropsychologia** 1981;19(4):543–51

Hemispace-VHF compatibility. Bowers D, et al. **Neuropsychologia** 1981;19(6):757–65

Hemispheric asymmetry: the effect of orientation on same-different comparison. Hock HS, et al. **Neuropsychologia** 1981;19(5):723–7

The relationship between right-handed children's assessed and familial handedness and lateral specialization. Kraft RH. **Neuropsychologia** 1981;19(5):696–705

Color-matching, color-naming and color-memory in split-brain patients. Levy J, et al. **Neuropsychologia** 1981; 19(4):523–41

Typical cerebral hemisphere disconnection deficits following corpus callosum section despite sparing of the anterior commissure. McKeever WF, et al. **Neuropsychologia** 1981; 19(6):745–55

Interhemispheric pathways in simple reaction time to lateralized light flash. Milner AD, et al. **Neuropsychologia** 1982;20(2):171–9

Spatial abilities, sex differences and EEG functioning. Ray WJ, et al. **Neuropsychologia** 1981;19(5):719–22

Tachistoscopic recognition of Kana and Hangul words, handedness and shift of laterality difference. Shimizu A, et al. **Neuropsychologia** 1981;19(5):665–73

Bilateral influences from the motor cortex on lumbar ventral horn interneurons. Blagodatova ET, et al. **Neurosci Behav Physiol** 1981 Sep-Oct;11(5):488–94

Characteristics of neuronal responses in the sensorimotor cortex of the cat to monaural and binaural stimulation. Kulikov GA, et al. **Neurosci Behav Physiol** 1981 Sep-Oct; 11(5):463–70

Nonsynaptic effect of the electrocorticogram of the intact hemisphere on unit activity of the neuronally isolated cortex. Moroz BT. **Neurosci Behav Physiol** 1981 Jul-Aug; 11(4):373–8

Effect of monaural and binaural stimulation on cytoplasmic RNA content in cells of the central nucleus of the cat inferior colliculus. Shmigidina GN. **Neurosci Behav Physiol** 1981 May-Jun;11(3):299–304

Effect of bilateral enucleation on the development of layers in the dorsal lateral geniculate nucleus. Brunso-Bechtold JK, et al. **Neuroscience** 1981;6(12):2579–86

Technique for differentiating cortical hemispheric activity following exercise. Powell RR. **Percept Mot Skills** 1982 Jun;54(3):923–32

Lateralization of zinc in rat brain and its relationship to a spatial behavior. Valdes JJ, et al. **Pharmacol Biochem Behav** 1982 Jun;16(6):915–7

Left-hemisphere control of oral and brachial movements and their relation to communication. Kimura D. **Philos Trans R Soc Lond [Biol]** 1982 Jun 25; 298(1089):135–49

Comparative commissure function: interocular transfer of successive visual discriminations in cats. Francis A, et al. **Physiol Behav** 1982 Feb;28(2):295–9

Acute thermoregulatory effects of unilateral electrolytic lesions of the medial and lateral preoptic area in rats. Szymusiak R, et al. **Physiol Behav** 1982 Jan;28(1):161–70

Interhemispheric integration in man. Wyke M. **Psychol Med** 1982 May;12(2):225–30

Binaural localization. Blauert J. **Scand Audiol [Suppl]** 1982; 15:7–26

Signal processing in the auditory system and how it may relate to binaural hearing. Møller AR. **Scand Audiol [Suppl]** 1982;15:65–79

Eccentric fixation and viewing and hemispheral dominance. Arruga A, et al. **Trans Ophthalmol Soc UK** 1980; 100(4):461–3 (17 ref.)

[The dichotic listening test in the determination of cerebral dominance in normal subjects (author's transl)] Morais J. **Acta Neurol Belg** 1981 May-Jun;81(3):144–52 (14 ref.) (Eng. Abstr.) **(Fre)**

[The eye and hemispheric dominance (author's transl)] Larmande P. **J Fr Ophtalmol** 1981;4(8–9):579–81 (Eng. Abstr.) **(Fre)**

[Motor neglect of thalamic origin: report on two cases (author's transl)] Laplane D, et al. **Rev Neurol (Paris)** 1982;

138(3):201–11 (Eng. Abstr.) **(Fre)**
[Associative visual agnosia: role of the left hemisphere in visual perception (author's transl)] Pillon B, et al. **Rev Neurol (Paris)** 1981;137(12):831–42 (Eng. Abstr.) **(Fre)**
[Double-sided central hearing-loss owing to bitemporal infarct of brain (author's transl)] Meissner R. **HNO** 1981 Aug;29(8):282–4 (Eng. Abstr.) **(Ger)**
[Intermittent unilateral cerebral symptoms in juvenile diabetes mellitus with hypoglycaemia (author's transl)] Beck U, et al. **Nervenarzt** 1982 Apr;53(4):208–10 **(Ger)**
[Hereditary synkinesis in three generations (author's transl)] Heuser M. **Nervenarzt** 1981 Aug;52(8):448–52 **(Ger)**
[Neurobiological principles of binocular space perception. Historical review on the development of the concept and knowledge] Milos G, et al. **Schweiz Arch Neurol Neurochir Psychiatr** 1982; 130(1):39–67 (Eng. Abstr.) **(Ger)**
[CT findings in the diagnosis of cerebral dominance for speech (author's transl)] Utsunomiya R, et al. **No To Shinkei** 1981 Aug;33(8):861–7 (Eng. Abstr.) **(Jpn)**
[Effects of the unilateral cerebral activation by nonverbal loading on stimulus detection in each visual field (author's transl)] Kawai M. **Shinrigaku Kenkyu** 1981 Oct;52(4):240–3 (Eng. Abstr.) **(Jpn)**
[Lateralization of dynamic stereotypy in animals] Biankin VL, et al. **Dokl Akad Nauk SSSR** 1981;259(4):1003–5 **(Rus)**
[Bioelectrical activity of the visual cortex and electroretinogram in rabbits during extreme photic stimulation of different lateralization] Zubilov IuN. **Fiziol Zh SSSR** 1981 Oct;67(10):1458–62 **(Rus)**
[Correlation between individual features of the functional asymmetry of the cerebral hemispheres and pilot success] Giurdzhian AA, et al. **Kosm Biol Aviakosm Med** 1982 Jan–Feb;16(1):43–5 (Eng. Abstr.) **(Rus)**
[Electroencephalographic correlates of functional asymmetry of the cerebral hemispheres in man] Zhirmunskaia EA, et al. **Usp Fiziol Nauk** 1982 Jan–Mar;13(1):42–65 **(Rus)**
[Asymmetry of interhemispheric transcallosal responses in cat ontogeny] Bianki VL, et al. **Zh Evol Biokhim Fiziol** 1982 May–Jun;18(3):281–8 (Eng. Abstr.) **(Rus)**
[Interhemispheric brain asymmetry in speech perception by persons of different age groups and the 'effect of directional attention'] Morozov VP, et al. **Zh Evol Biokhim Fiziol** 1982 Mar–Apr;18(2):196–9 (Eng. Abstr.) **(Rus)**
[Interhemispheric relations in chronic alcoholism] Reshchikova TN. **Zh Nevropatol Psikhiatr** 1981; 81(9):1371–5 (Eng. Abstr.) **(Rus)**
[Characteristics of human auditory evoked potentials during lateralization of a 'moving' acoustic pattern] Al'tman IaA, et al. **Zh Vyssh Nerv Deiat** 1982 May–Jun;32(3):472–9 **(Rus)**
[Interhemispheric asymmetry of motor and exploratory activity in the mouse] Bianki VL, et al. **Zh Vyssh Nerv Deiat** 1982 May–Jun;32(3):442–5 **(Rus)**
[Analysis of concrete and abstract cues as a function of different hemispheres in the white rat] Bianki VL. **Zh Vyssh Nerv Deiat** 1982 Jan–Feb;32(1):54–62 (Eng. Abstr.) **(Rus)**
[Mechanisms of the of perception of written speech] Budohoska W, et al. **Zh Vyssh Nerv Deiat** 1982 Mar–Apr; 32(2):202–8 **(Rus)**
[Steady brain potentials and interhemispheric asymmetry in cats] Fokin VF, et al. **Zh Vyssh Nerv Deiat** 1981 May–Jun; 31(3):640–2 **(Rus)**
[Interhemispheric functional relationships in the process of 'motor command' preparation during choice responses] Kostandov EA, et al. **Zh Vyssh Nerv Deiat** 1981 Nov–Dec; 31(6):1123–30 (Eng. Abstr.) **(Rus)**
[Establishment of interhemispheric asymmetry of transcallosal potentials in the sensomotor cortex of cats] Makarova IA. **Zh Vyssh Nerv Deiat** 1981 Nov–Dec; 31(6):1270–8 (Eng. Abstr.) **(Rus)**

DOMINANCE, SOCIAL see **SOCIAL DOMINANCE**

DOMINANCE-SUBORDINATION see under **SOCIAL DOMINANCE**

DOMPERIDONE

ADMINISTRATION & DOSAGE

[Acute study of the association of bromocriptine and domperidone in parkinsonism (author's transl)] Pollak P, et al. **Therapie** 1981 Nov–Dec;36(6):671–6 (Eng. Abstr.) **(Fre)**

ADVERSE EFFECTS

Sudden death in cancer patient on high-dose domperidone [letter] Joss RA, et al. **Lancet** 1982 May 1;1(8279):1019
[Neurodysleptic syndrome induced by domperidone [letter]] Gonce M, et al. **Nouv Presse Med** 1982 Jun 26;11(30):2298 **(Fre)**

ANALOGS & DERIVATIVES

Acute dyskinesias in monkeys elicited by halopemide, mezilamine and the 'antidyskinetic' drugs, oxiperomide and tiapride. Neale R, et al. **Psychopharmacology (Berlin)** 1981; 75(3):254–7

DIAGNOSTIC USE

Domperidone stimulated prolactin secretion in normal male and female volunteers. Hilland U, et al. **Endokrinologie** 1981 Mar;77(3):363–6
Effect of domperidone, an extracerebral inhibitor of dopamine receptors, on thyrotropin, prolactin, renin, aldosterone, and 18-hydroxycorticosterone secretion in man. Sowers JR, et al. **J Clin Endocrinol Metab** 1982 Apr; 54(4):869–71
Approach to the diagnosis of hyperprolactinemic states: the nomifensine and domperidone tests. Molinatti GM, et al. **Panminerva Med** 1981 Jan–Mar;23(1):5–10

METABOLISM

Comparison of the binding of [3H]spiperone and [3H]domperidone in homogenates of mammalian retina and caudate nucleus. Watling KJ, et al. **J Neurochem** 1981 Nov; 37(5):1130–43
Labelling of high (D-2 receptor) and low affinity sites by [3H]domperidone in homogenates of the corpus striatum of the rat. Rzezniczak HW, et al. **Neurosci Lett** 1982 May 17;30(1):63–8
[Ultrastructural localization of dopaminergic receptors in the rat corpus striatum by radioautography using tritiated domperidone] Arluison M, et al. **C R Soc Biol (Paris)** 1982; 176(1):23–9 (Eng. Abstr.) **(Fre)**

PHARMACODYNAMICS

On the role of dopamine receptors in the central regulation of human TSH. Delitala G, et al. **Acta Endocrinol (Copenh)** 1981 Dec;98(4):521–7
Effect of domperidone on prolactin (PRL)and thyrotrophin (TSH) secretion. Kaufman JM, et al. **Arch Int Pharmacodyn Ther** 1981 Dec;254(2):293–303
Dose-dependent stimulation of antroduodenal coordination by domperidone via specific dopamine-receptors. Schuurkes JA, et al. **Arch Int Pharmacodyn Ther** 1982 Apr; 256(2):311–4
The extracerebral dopamine antagonist domperidone block the suppressive effect of bromocriptine on prolactin and TSH secretion in man. Svet-Moldavsky I, et al. **Biomedicine** 1981 Oct;35(5):142–4
The effects of domperidone on gastric emptying of liquid in man. Bateman DN, et al. **Br J Clin Pharmacol** 1982 May; 13(5):675–8
Endocrine effects of domperidone: a peripheral dopamine blocking agent. Brown GM, et al. **Clin Endocrinol (Oxf)** 1981 Sep;15(3):275–82
Dopamine regulates canine plasma beta-endorphin-immunoreactivity levels. Sharp B, et al. **Endocrinology** 1982 May;110(5):1828–30
Domperidone directly stimulates TSH secretion in vitro. Powell R, et al. **FEBS Lett** 1981 Jun 29;129(1):97–9
Effect of domperidone on apomorphine-induced growth hormone secretion in normal men. Lal S, et al. **J Neural Transm** 1982;54(1–2):75–84
On the ability of domperidone to selectively inhibit catecholamine-induced relaxation of circular smooth muscle of guinea-pig stomach. Sahyoun HA, et al. **J Pharm Pharmacol** 1982 Jan;34(1):27–33
Catecholamine-induced relaxation and contraction of the lower oesophageal and pyloric sphincters of guinea-pig stomach: modification by domperidone. Sahyoun HA, et al. **J Pharm Pharmacol** 1982 May;34(5):318–24
Antagonism of KW-5338 (domperidone) against emesis and depression of intestinal motility induced by L-DOPA. Shuto K, et al. **J Pharmacobiodyn** 1980 Dec;3(12):709–14
Effects of KW-5338 (domperidone) on gastric motility. Shuto K, et al. **J Pharmacobiodyn** 1980 Dec;3(12):715–9
In-vivo and in-vitro effects of domperidone on the release of prolactin and LH in male and female rats. Carter DA, et al. **J Reprod Fertil** 1982 Jan;64(1):191–7
Neuropharmacological comparison between domperidone and metoclopramide. Wauquier A, et al. **Jpn J Pharmacol** 1981 Jun;31(3):305–14
Plasma aldosterone response to domperidone, an extracerebral dopamine receptor blocker, in normal subjects. Degli Uberti EC, et al. **Panminerva Med** 1981 Jul–Sep;23(3):183–6
[Domperidone affects the interdigestive motility in the jejunum (author's transl)] Richter A, et al. **Z Gastroenterol** 1981 Dec;19(12):767–71 **(Ger)**
[Effect of domperidone on GH secretion in normal controls and in cancer patients (author's transl)] Kamijo K, et al. **Horumon To Rinsho** 1981 Nov;29(11):1395–7 **(Jpn)**
[Effect of domperidone on gastric movement and blood flow in dog (author's transl)] Fujii K, et al. **Nippon Heikatsukin Gakkai Zasshi** 1980 Mar;16(1):37–46 (Eng. Abstr.) **(Jpn)**

THERAPEUTIC USE

Clinical evaluation of domperidone in the treatment of chronic postprandial idiopathic upper gastrointestinal distress. Nagler J, et al. **Am J Gastroenterol** 1981 Dec; 76(6):495–9
Domperidone in the prevention of complete classical migraine. Waelkens J. **Br Med J [Clin Res]** 1982 Mar 27; 284(6320):944
Domperidone as an antiemetic in paediatric oncology. O'Meara A, et al. **Cancer Chemother Pharmacol** 1981; 6(2):147–9
Domperidone treatment in the irritable bowel syndrome. Fielding JF. **Digestion** 1982;23(2):125–7
[Prevention by domperidone of arterial hypotension induced by bromocriptine (letter)] Pollak P, et al. **Nouv Presse Med** 1981 Oct 31;10(39):3245 **(Fre)**
[Domperidone after ether anaesthesia. Prevention of postoperative hyperemesis (author's transl)] Alon E, et al. **Anaesthesist** 1982 Apr;31(4):185–7 (Eng. Abstr.) **(Ger)**
[Gastritis, stomach ulcer, reflux diseases. Motility effective therapy with Motilium] Heinkelein J. **ZFA (Stuttgart)** 1982 Jun 30;58(18):1028–30 **(Ger)**
[The effect of domperidone in the prevention of nausea and vomiting during post-operative recovery period from anesthesia--a double blind study (author's transl)] Minobe T, et al. **Masui** 1981 Dec;30(12):1380–7 (Eng. Abstr.) **(Jpn)**

TOXICITY

Safety of domperidone [letter] Venning GR, et al. **Lancet** 1982 May 29;1(8283):1255
Mutagenicity tests with domperidone in vitro and in vivo. Vanparys P, et al. **Toxicol Lett** 1982 Jul;12(2–3):215–22

DOPA

ANALOGS & DERIVATIVES

Formation of glutathionedopa in albino rats after DOPA injection. Fehling C, et al. **Acta Derm Venereol (Stockh)** 1981;61(4):339–42
Urinary free and conjugated 5-S-cysteinyldopa in normal subjects and in patients with melanoma. Graef V, et al. **Br J Dermatol** 1982 Jan;106(1):53–7
The increase of cardiac beta 1-subtype of beta-adrenergic receptors in adult rats following neonatal 6-hydroxydopa treatment. Kajiyama H, et al. **Eur J Pharmacol** 1982 Jan 8;77(1):75–7
Tyrosinase and gamma-glutamyl transpeptidase in 5-s-cysteinyldopa genesis within melanotic and amelanotic melanomas. Mojamdar M, et al. **J Dermatol (Tokyo)** 1982 Feb;9(1):73–7
Quantitative determination of 5-S-cysteinyldopa, dopa and dopamine in the urine by means of high-performance liquid chromatography. A comparison with data obtained by means of fluorometry. Morishima T, et al. **J Dermatol (Tokyo)** 1981 Aug;8(4):301–4
Effect of DOPA-loading on glutathione-dependent 5-S-cysteinyldopa genesis in melanoma cells in vitro. Mojamdar M, et al. **J Invest Dermatol** 1982 Mar;78(3):224–6
5-S-Cysteinyldopa in ganglion stellatum. Fehling C, et al. **J Neural Transm** 1981;52(3):251–7
Novel free radicals in synthetic and natural pheomelanins: distinction between dopa melanins and cysteinyldopa melanins by ESR spectroscopy. Sealy RC, et al. **Proc Natl Acad Sci USA** 1982 May;79(9):2885–9
[Urinary 5-S-cysteinyldopa in malignant melanoma subjects-with special reference to melanoma stages and dopa loading test (author's transl)] Ichihasi M, et al. **Nippon Hifuka Gakkai Zasshi** 1981 Sep;91(10):1045–9 **(Jpn)**
[High-performance liquid chromatographic determination of urinary 5-S, 2-S-, 6-S-cysteinyldopa and 2,5-S,S-dicysteinyldopa (author's transl)] Morishima T, et al. **Nippon Hifuka Gakkai Zasshi** 1982 Jan 15;92(1):53–6 **(Jpn)**
[Contents of cysteinyldopa isomers and DOPA in lesions of malignant melanoma (author's transl)] Morishima T, et al. **Nippon Hifuka Gakkai Zasshi** 1982 Feb;92(2):157–9 **(Jpn)**

ANALYSIS

Use of liquid chromatography with electrochemistry to measure effects of varying intensities of white light on DOPA accumulation in rat retinas. Proll MA, et al. **Life Sci** 1982 Jan 4;30(1):11–9
Conjoint radioenzymatic measurement of catecholamines, their catechol metabolites and DOPA in biological samples. Thiede HM, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1981 Dec; 318(1):19–28
[Contents of cysteinyldopa isomers and DOPA in lesions of malignant melanoma (author's transl)] Morishima T, et al. **Nippon Hifuka Gakkai Zasshi** 1982 Feb;92(2):157–9 **(Jpn)**

BIOSYNTHESIS

Monoamine synthesis and concentration in neonatal rat brain during hypercapnia and recovery. Hedner T, et al. **J Neurochem** 1982 Jul;39(1):86–91

BLOOD

A semiautomated method for the rapid determination of dopa: comparison of plasma and erythrocyte-dopa concentration in levodopa-treated patients. Prasad AL, et al. **Biochem Med** 1982 Jun;27(3):297–304

CEREBROSPINAL FLUID

Simultaneous determination of 3,4-dihydroxyphenylalanine, 5-hydroxytryptophan, dopamine,

4-hydroxy-3-methoxyphenylalanine, norepinephrine, 3,4-dihydroxyphenylacetic acid, homovanillic acid, serotonin, and 5-hydroxyindoleacetic acid in rat cerebrospinal fluid and brain by high-performance liquid chromatography with electrochemical detection. Wagner J, et al. **J Neurochem** 1982 May;38(5):1241-54

DIAGNOSTIC USE

[Urinary 5-S-cysteinyldopa in malignant melanoma subjects-with special reference to melanoma stages and dopa loading test (author's transl)] Ichihasi M, et al. **Nippon Hifuka Gakkai Zasshi** 1981 Sep;91(10):1045-9 **(Jpn)**

METABOLISM

Formation of glutathionedopa in albino rats after DOPA injection. Fehling C, et al. **Acta Derm Venereol (Stockh)** 1981;61(4):339-42

Renal handling of dopa, dopamine, norepinephrine, and epinephrine in the dog. Ball SG, et al. **Am J Physiol** 1982 Jan;242(1):F56-62

Renal conversion of plasma DOPA to urine dopamine [letter] Brown MJ, et al. **Br J Clin Pharmacol** 1981 Aug; 12(2):251-3

Monoamine precursor uptake in ganglia of a mollusc Anodonta cygnea L. (Bivalvia) An autoradiographic and ultrastructural study. Elekes K. **Cell Tissue Res** 1981; 219(2):403-15

Capacity for amine-precursor uptake and decarboxylation of argyrophil cell adenocarcinoma of the endometrium. Inoue M, et al. **Gynecol Oncol** 1982 Feb;13(1):19-25

Uptake of 3,4-dihydroxy[3H]phenylalanine by Mycobacterium leprae isolated from frozen (-80 degrees C) armadillo tissue. Khanolkar SR, et al. **J Gen Microbiol** 1981 Dec;127 (Pt 2):385-9

Theophylline and melanocyte-stimulating hormone effects on gamma-glutamyl transpeptidase and DOPA reactions in cultured melanoma cells. Hu F. **J Invest Dermatol** 1982 Jul;79(1):57-62

Effect of dopamine agonists and antagonists on DOPA formation in the substantia nigra. Argiolas A, et al. **J Neurochem** 1982 Jan;38(1):75-9

Effects of drugs interfering with dopamine and noradrenaline biosynthesis on the endogenous 3,4-dihydroxyphenylalanine levels in rat brain. Westerink BH, et al. **J Neurochem** 1982 Jul;39(1):44-51

Sexual differences in the sensitivity of tuberoinfundibular dopamine neurons to the actions of prolactin. Lemarest KT, et al. **Neuroendocrinology** 1981;33(4):230-4

[The age-dependent appearance of phenoloxidase-containing cells in the embryonal development of the chicken] Schmidt H, et al. **ZFA (Dresden)** 1982;37(2):107-10 **(Ger)**

PHARMACODYNAMICS

DNA damage and selective toxicity of dopa and ascorbate:copper in human melanoma cells. Parsons PG, et al. **Cancer Res** 1982 Sep;42(9):3783-8

Effect of DOPA-loading on glutathione-dependent 5-S-cysteinyldopa genesis in melanoma cells in vitro. Mojamdar M, et al. **J Invest Dermatol** 1982 Mar;78(3):224-6

Effects of amino acid precursors on catecholamine synthesis in the brain. Edwards DJ, et al. **Prog Neuropsychopharmacol** 1981;5(5-6):569-72

URINE

Quantitative determination of 5-S-cysteinyldopa, dopa and dopamine in the urine by means of high-performance liquid chromatography. A comparison with data obtained by means of fluorometry. Morishima T, et al. **J Dermatol (Tokyo)** 1981 Aug;8(4):301-4

A qualitative gas chromatographic analysis of substituted 5,6-dihydroxyindoles from the urine of patients with melanoma. Pavel S, et al. **Tumori** 1981 Aug;67(4):325-32

[Effect of atenolol on the excretion of catecholamines and their metabolites and dihydroxyphenylalanine (DOPA) in patients with essential hypertension] Wocial B, et al. **Pol Arch Med Wewn** 1982 Mar;67(3):87-91 (Eng. Abstr.) **(Pol)**

[Spectrofluorometric determination of catecholamines and dihydroxyphenylalanine in 1 sample] Sominskii VN, et al. **Lab Delo** 1982;(1):11-5 (Eng. Abstr.) **(Rus)**

[Metabolic characteristics of lipids and catecholamines in alimentary obesity complicated by diabetes mellitus in its latent form] Frolova IA, et al. **Vopr Pitan** 1981 Jul-Aug; (4):7-10 (Eng. Abstr.) **(Rus)**

L-DOPA see **LEVODOPA**

DOPA DECARBOXYLASE see under **AROMATIC AMINO ACID DECARBOXYLASES**

DOPA OXIDASE see under **DIPHENOL OXIDASES**

DOPAMINE

ADMINISTRATION & DOSAGE

Dopamine infusion in man. Plasma catecholamine levels and pharmacokinetics. Järnberg PO, et al. **Acta Anaesthesiol Scand** 1981 Aug;25(4):328-31

Combined therapy of experimental endotoxin shock in monkeys. Trčka V, et al. **Acta Univ Carol [Med] (Praha)** 1980;26(3-4):141-60

Therapeutic effect of dopamine infusion on human malignant melanoma. Wick MM. **Cancer Treat Rep** 1982 Aug; 66(8):1657-9

Beneficial effects of prolonged low dose dopamine in hospitalized patients with severe refractory heart failure. White DH, et al. **Clin Cardiol** 1979 Apr;2(2):135-9

Dilated fixed pupils due to administration of high doses of dopamine hydrochloride. Ong GL, et al. **Crit Care Med** 1981 Sep;9(9):658-9

Effects of combined dopamine and nitroprusside therapy in patients with severe pump failure and hypotension complicating acute myocardial infarction. Keung EC, et al. **J Cardiovasc Pharmacol** 1980;2(2):113-9

Aminophylline plus nitroprusside and dopamine for treatment of cerebral vasospasm. A preliminary report. Levy WJ, et al. **J Neurosurg** 1982 May;56(5):646-9

[Effects of intra-arterial infusion of vasoreactants of renal blood flow: measurement of RBF with local thermodilution method and application for pharmacoangiography (author's transl)] Aoshima S. **Nippon Hinyokika Gakkai Zasshi** 1982 Mar;73(3):274-86 (Eng. Abstr.) **(Jpn)**

ADVERSE EFFECTS

Dopamine gangrene. Association with disseminated intravascular coagulation. Winkler MJ, et al. **Am J Surg** 1981 Nov;142(5):588-91

Acute and transient ST segment elevation during bacterial shock in seven patients without apparent heart disease. Terradellas JB, et al. **Chest** 1982 Apr;81(4):444-8

Pulmonary hypertension in a patient with ARDS - a possible side-effect of dopamine treatment. Klausen NO, et al. **Intensive Care Med** 1982;8(3):155-8

Gangrene in a neonate following dopamine therapy. Maggi JC, et al. **J Pediatr** 1982 Feb;100(2):323-5

ANALOGS & DERIVATIVES

Effects of fluoro-dopamines on dopamine receptors (D1, D2, D3, sites). Firnau G, et al. **Biochem Pharmacol** 1981 Nov 1;30(21):2927-30

Effects of superoxide dismutase and catalase on catalysis of 6-hydroxydopamine and 6-aminodopamine autoxidation by iron and ascorbate. Sullivan SG, et al. **Biochem Pharmacol** 1981 Aug 15;30(16):2279-85

Effectiveness of ibopamine in the management of ascitic liver cirrhosis--a controlled study v placebo and frusemide. Melloni GF, et al. **Br J Clin Pharmacol** 1981 Dec; 12(6):813-8

alpha-Methyldopa, alpha-methyldopamine an alpha-methylnoradrenaline: substrates for the thermolabile form of human platelet phenol sulphotransferase. Mwaluko G, et al. **Br J Clin Pharmacol** 1982 Aug;14(2):231-9

Levodopa and dopamine analogs: dihydroxy and trihydroxybenzylamines as novel quinol antitumor agents in experimental leukemia in vivo. Wick MM. **Cancer Treat Rep** 1981 Sep-Oct;65(9-10):861-7

Electrophysiological and mechanical studies of frog heart adrenoceptor stimulation by epinine. Soustre H, et al. **Cardiovasc Res** 1981 Dec;15(12):700-10

Inhibition of reverse transcriptase by tyrosinase generated quinones related to levodopa and dopamine. Wick MM, et al. **Chem Biol Interact** 1981 Dec;38(1):99-107

A simple method for the assay of urinary metanephrines using high performance liquid chromatography with fluorescence detection. Jackman GP. **Clin Chim Acta** 1982 Mar 26; 120(1):137-42

Effect of ibopamine on heart rate and spontaneous premature ventricular beats in patients with angina pectoris. Montani E, et al. **Eur J Clin Pharmacol** 1982;21(5):369-71

Presynaptic dopamine receptors and alpha-adrenoceptors as mediators of the bradycardic action of N-n-propyl-N-n-butyl dopamine. Hamed AT, et al. **Eur J Pharmacol** 1981 Aug 27;74(1):83-90

Ibopamine in geriatric patients with cardiac and chronic renal failure: a clinical study. Nicaise J, et al. **Farmaco [Prat]** 1982 Feb;37(2):65-70

Double-blind haemodynamic study of a new dopamine derivative (diisobutyric ester of N-methyl-dopamine) orally active in chronic congestive heart failure. Mengeot P, et al. **G Ital Cardiol** 1982;11(11):1738-42

Noninvasive evaluation of the effects of oral ibopamine (SB 7505) on cardiac and renal function in patients with congestive heart failure. Dei Cas L, et al. **J Cardiovasc Pharmacol** 1982 May-Jun;4(3):436-40

Comparison of the cardiovascular actions of N,N-di-n-propyl dopamine and sodium nitroprusside in conscious and chloralose-anaesthetised dogs. O'Connor SE, et al. **J Cardiovasc Pharmacol** 1982 May-Jun;4(3):493-9

Reversed-phase liquid chromatography with amperometric detection of lipophilic dopamine analogues and determination of brain and serum concentrations after sample clean-up on small sephadex G-10 columns. Feenstra MG, et al. **J Chromatogr** 1982 Jul 9;230(2):271-87

Synthesis and dopaminergic properties of some exo- and endo-2-aminobenzonorbornenes designed as rigid analogue of dopamine. Burn P, et al. **J Med Chem** 1982 Apr; 25(4):363-8

Rigid analogues of dopamine: synthesis and interaction of 6-exo- and 6-endo-(3',4'-dihydroxyphenyl)-2-azabicyclo[2.2.2]octane with dopamine uptake sites and receptors. Law SJ, et al. **J Med Chem** 1982 Mar;25(3):213-6

Estimation of the turnover of 3-methoxytyramine in the rat striatum by HPLC with electrochemical detection: implications for the sequence in the cerebral metabolism of dopamine. Westerink BH, et al. **J Neurochem** 1982 Feb; 38(2):342-7

On the significance of endogenous 3-methoxytyramine for the effects of centrally acting drugs on dopamine release in the rat brain. Westerink BH, et al. **J Neurochem** 1982 Mar;38(3):680-6

Heart rate lowering effects of N,N-di-n-propyl-dopamine in rats: evidence for stimulation of central dopamine receptors leading to inhibition of sympathetic tone and enhancement of parasympathetic outflow. Cavero I, et al. **J Pharmacol Exp Ther** 1981 Nov;219(2):510-9

Absence of alpha-methyldopamine in rat striatum after chronic administration of d-amphetamine. Duffield PH, et al. **Life Sci** 1982 May 17;30(20):1701-5

Differential effects of certain dopaminergic drugs on the striatal concentration of dopamine metabolites, with special reference to 3-methoxytramine. Ponzio F, et al. **Neurosci Lett** 1981 Nov 18;27(1):61-7

Anti-Parkinsonian and anticonvulsant activity of some silyl substituted dopamine derivatives. Agarwal JC, et al. **Pharmacol Res Commun** 1981 Nov;13(10):937-47

Effects of alpha-methylnoradrenaline and alpha-methyldopamine in reserpine-induced ulcers in rats. Sandor V, et al. **Pharmacology** 1981;23(2):91-4

Substituted dopamine quinazolones as potent antiparkinsonian agents. Kumar P, et al. **Pharmazie** 1981 Nov;36(11):780

[Asymptomatic autoimmune hemolysis linked to alpha-methyldopa. Importance of the study of erythrocyte survival in vivo] Habibi B, et al. **Rev Fr Transfus Immunohematol** 1982 Jun;25(3):321-3 **(Fre)**

[Preliminary results of the action of long-term oral treatment with the di-isobutyric ester of N-methyldopamine (SB 7505) in 10 patients with severe cardiocirculatory decompensation] Dei Cas L, et al. **Boll Soc Ital Cardiol** 1980;25(6):593-600 (Eng. Abstr.) **(Ita)**

[Non-invasive evaluation of left ventricular function with systolic time intervals, in 8 normal subjects after oral treatment with di-isobutyric ester of N-methyldopamine] Dei Cas L, et al. **Boll Soc Ital Cardiol** 1980;25(6):585-92 (Eng. Abstr.) **(Ita)**

ANALYSIS

Brain monoamine abnormalities in the two types of Creutzfeldt-Jakob disease. Nyberg P, et al. **Acta Neurol Scand** 1982 Jul;66(1):16-24

Concentrations of dopamine and noradrenaline in some limbic and related regions of the human brain. Nyberg P, et al. **Acta Neurol Scand** 1982 Apr;65(4):267-73

A reliable and sensitive method for the simultaneous determination of dopamine, noradrenaline, 5-hydroxytryptamine and 5-hydroxy-indolacetic acid in small brain samples. Orsingher OA, et al. **Acta Physiol Lat Am** 1980;30(2):111-5

Increased brain dopamine and dopamine receptors in schizophrenia. Mackay AV, et al. **Arch Gen Psychiatry** 1982 Sep;39(9):991-7

Evidence for dopamine as a transmitter in dorsal hippocampus. Ishikawa K, et al. **Brain Res** 1982 Jan 28; 232(1):222-6

Radioenzymatic assay for the simultaneous measurement of noradrenaline, dopamine and their non-O-methylated metabolites. Bardsley M, et al. **Cell Mol Biol** 1981; 27(2-3):71-6

Catecholamines and 5-hydroxytryptamine in photophores of Porichthys notatus. Radioenzymatic detection and radioautographic localization. Anctil M, et al. **Cell Tissue Res** 1981;219(3):557-66

Abnormalities in monoamine levels in the central nervous system of the genetically epilepsy-prone rat. Jobe PC, et al. **Epilepsia** 1982 Aug;23(4):359-66

Dopamine-containing cells in rabbit nodose ganglia. Kojima H, et al. **Experientia** 1981 Dec 15;37(12):1332-3

Determination of catecholamines in rat heart tissue and plasma samples by liquid chromatography with electrochemical detection. Eriksson BM, et al. **J Chromatogr** 1982 Mar 12;228:143-54

Simultaneous determination of norepinephrine, dopamine and serotonin in rat brain regions by ion-pair liquid chromatography on octyl silane columns and amperometric detection. Warsh JJ, et al. **J Chromatogr** 1982 Mar 12; 228:131-41

Immunohistochemical identification of two types of dopamine neuron in the rat olfactory bulb as seen by serial sectioning. Halász N, et al. **J Neurocytol** 1981 Apr; 10(2):251-9

Salsolinol and dopamine in alcoholic beverages [letter] Duncan MW, et al. **Lancet** 1982 Apr 17;1(8277):904-5

Method for analysis of dopamine sulfate isomers by high performance liquid chromatography. Elchisak MA, et al. **Life Sci** 1982 Jun 28;30(26):2325-36

Dissociate destruction of noradrenaline and dopamine descending projections in the thoracic spinal cord of the rat. Mouchet P, et al. **Life Sci** 1982 Jan 25;30(4):373-81

Semicircadian rhythm of tuberoinfundibular dopamine neuronal activity during early pregnancy and

pseudopregnancy in the rat. McKay DW, et al. **Neuroendocrinology** 1982 Mar;34(3):229-35

Brain gabaergic and dopaminergic systems following lithium treatment and withdrawal. Ahluwalia P, et al. **Prog Neuropsychopharmacol** 1981;5(5-6):527-30

Effect of modification of brain serotonin (5-HT), norepinephrine (NE) and dopamine (DA) on ethanol tolerance. Lê AD, et al. **Psychopharmacology (Berlin)** 1981; 75(3):231-5

[Effect of piracetam and dihydroergotoxine on the release of dopamine from the corpus striatum of the rat] Wustmann C, et al. **Acta Biol Med Ger** 1980;39(8-9):383-5 **(Ger)**

[Regional distributions of catecholamines in dog cerebral arteries-existence of dopaminergic fibers (author's transl)] Suzuki Y, et al. **Nippon Geka Hokan** 1982 Mar 1;51(2):201-7 (Eng. Abstr.) **(Jpn)**

[Biochemical analysis of dopaminergic nerve terminals of post-mortem brain from schizophrenic patients (author's transl)] Toru M, et al. **Seishin Shinkeigaku Zasshi** 1981; 83(7):430-47 (Eng. Abstr.) **(Jpn)**

[Dopamine concentration in the nigro-striatal system during elaboration and performance of conditioned avoidance reactions of various complexity in rats] Saul'skaia NB. **Fiziol Zh SSSR** 1981 Jun;67(6):797-803 (Eng. Abstr.) **(Rus)**

[Experimental portosystemic encephalopathy: values of noradrenaline, dopamine, and homovanillic acid in the CNS of rats at 15, 30 and 60 days after terminolateral porto-caval anastomosis] Arias J, et al. **Rev Esp Enferm Apar Dig** 1982 Feb;61(2):105-12 (Eng. Abstr.) **(Spa)**

ANTAGONISTS & INHIBITORS

Intestinal pharmacomanometry and glucose tolerance: two kinds of dopaminergic mechanisms in the human. Lechin F, et al. **Acta Gastroenterol Latinoam** 1981;11(2):247-59 (116 ref.)

Uptake of (3H)-ADTN into dopaminergic neurons in the rabbit retina. Ehinger B. **Acta Physiol Scand** 1981 Apr; 111(4):511-2

In normal young men acute dopaminergic blockade does not impair free water excretion following a standard water load. Cohen M, et al. **Commun Psychopharmacol** 1980; 4(4):323-6

Elevation of serum corticosterone concentrations in rats by pergolide and other dopamine agonists. Fuller RW, et al. **Endocrinology** 1981 Oct;109(4):1026-32

Morphine may mimic the apomorphine cue by inhibiting dopaminergic autoinhibition. Hernandez LL, et al. **Eur J Pharmacol** 1982 Mar 12;78(3):287-94

Effect of dopamine agonists and antagonists on the electrical activity of substantia nigra neurons transplanted into the lateral ventricle of the rat. Wuerthele SM, et al. **Exp Brain Res** 1981;44(1):1-10

The pharmacology of sulpiride—a dopamine receptor antagonist. O'Connor SE, et al. **Gen Pharmacol** 1982; 13(3):185-93 (118 ref.)

Effect of metoclopramide in guinea-pig ileum longitudinal muscle: evidence against dopamine-mediation. Zar MA, et al. **Gut** 1982 Jan;23(1):66-70

Serum Gastrin concentration in patients with rheumatoid arthritis: effect of long-term immunosuppressive or antidopaminergic treatment. Caldara R, et al. **Horm Metab Res** 1981 Nov;13(11):615-7

Dopamine antagonist properties of atypical neuroleptics may be revealed following mesolimbic denervation. Nohria V, et al. **Int Pharmacopsychiatry** 1981;16(1):21-9

The effects of some dopamine antagonists on cholinergic mechanisms in the guinea-pig ileum. Fosbraey P, et al. **J Auton Pharmacol** 1980 Nov;1(1):17-25

Synthesis and evaluation of 1,2,3,4-tetrahydro[1]benzothieno[2,3-h]isoquinolines as dopamine antagonists. Ellefson CR, et al. **J Med Chem** 1981 Sep;24(9):1107-10

Dopamine agonist properties of N-alkyl-4-(3,4-dihydroxyphenyl)-1,2,3,4-tetrahydroisoqu Jacob JN, et al. **J Med Chem** 1981 Aug;24(8):1013-5

Inhibitory effects of ascorbic acid on the binding of [3H]dopamine antagonists to neostriatal membrane preparations: relationship to lipid peroxidation. Heikkila RE, et al. **J Neurochem** 1982 Apr;38(4):1000-6

A theoretical conformational study of substituted O-anisamides as models of a class of dopamine antagonists. Pannatier A, et al. **J Pharm Pharmacol** 1981 Mar; 33(3):145-9

Presynaptic modulation of synaptic transmission in Helix pomatia: the effects of serotonin and dopamine antagonists. Juel C. **Neuropharmacology** 1981 Apr;20(4):323-6

Inhibition of the electrically induced release of [3H]dopamine by serotonin from superfused rat striatal slices. Westfall TC, et al. **Neurosci Lett** 1982 Feb 12;28(2):205-9

Calcium alters the sensitivity of intact horizontal cells to dopamine antagonists. Van Buskirk R, et al. **Proc Natl Acad Sci USA** 1982 May;79(10):3350-4

Differential reversal of various dopamine antagonists by anticholinergics in Sidman avoidance: possible relationship to adrenergic blockade. Liebman JM, et al. **Psychopharmacology (Berlin)** 1981;75(3):248-53

Reversal of respiratory responses to dopamine after dopamine antagonists. Zapata P, et al. **Respir Physiol** 1982 Feb; 47(2):239-55

[Naloxone-dependent morphine reduction of excitatory responses of mollusk neurons to dopamine] Bezrukova LV, et al. **Biull Eksp Biol Med** 1981 Aug;92(8):51-3 (Eng. Abstr.) **(Rus)**

[Comparative characteristics of neuroleptics as antagonists of noradrenaline and dopamine] Abramets II, et al. **Farmakol Toksikol** 1981 May-Jun;44(3):287-91 (Eng. Abstr.) **(Rus)**

BIOSYNTHESIS

Serotonin and dopamine synthesis in phenylketonuria. Curtius HC, et al. **Adv Exp Med Biol** 1981;133:277-91

Neural and extraneural catecholamine production by rat kidneys. Stephenson RK, et al. **Am J Physiol** 1982 Mar; 242(3):F261-6

Formation of 3H-dopamine and 3H-noradrenaline from 3H-tyrosine in the canine saphenous vein. Boels PJ, et al. **Arch Int Pharmacodyn Ther** 1981 Oct;253(2):315-16

Evidence for dopamine autoreceptors controlling dopamine synthesis in the substantia nigra. Argiolas A, et al. **Brain Res** 1982 Feb 18;234(1):177-81

ACTH 1-24 and lysine vasopressin selectively activate dopamine synthesis in frontal cortex. Delanoy RL, et al. **Brain Res** 1982 Jan 7;231(1):117-29

Neurohypophyseal dopamine biosynthesis in the spontaneously hypertensive rat. Morris M, et al. **Clin Exp Hypertens** 1981;3(6):1165-81

Naloxone reversible reduction in brain monoamine synthesis following sciatic nerve stimulation. Nissbrandt H, et al. **J Neural Transm** 1982;53(2-3):91-100

Effect of dopamine agonists and antagonists on DOPA formation in the substantia nigra. Argiolas A, et al. **J Neurochem** 1982 Jan;38(1):75-9

Influence of calcium on dopamine synthesis and tyrosine hydroxylase activity in rat striatum. Kapatos G, et al. **J Neurochem** 1982 Aug;39(2):327-35

Postnatal development of the light response of the dopaminergic neurons in the rat retina. Morgan WW, et al. **J Neurochem** 1982 Jul;39(1):283-5

Effects of drugs interfering with dopamine and noradrenaline biosynthesis on the endogenous 3,4-dihydroxyphenylalanine levels in rat brain. Westerink BH, et al. **J Neurochem** 1982 Jul;39(1):44-51

Effect of delta9-tetrahydrocannabinol on the synthesis of dopamine and norepinephrine in mouse brain synaptosomes. Bloom AS. **J Pharmacol Exp Ther** 1982 Apr; 221(1):97-103

Biphasic influence of a 8 alpha-amino ergoline, CU 32-085, on striatal dopamine synthesis and turnover in vivo in the rat. Enz A. **Life Sci** 1981 Nov 23;29(21):2227-34

Tyrosine availability and dopamine synthesis in the striatum: studies with gamma-butyrolactone. Sved A, et al. **Life Sci** 1981 Aug 17;29(7):743-8

Increase of dopamine synthesis in synaptosomes from rats treated with neuroleptics or reserpine. Tissari AH. **Med Biol** 1982 Feb;60(1):38-41

Endogenous dopamine synthesis and dopa-decarboxylase activity in rat renal cortex. Wahbe F, et al. **Mol Cell Endocrinol** 1982 Jun;27(1):45-54

Inhibition of dopamine biosynthesis by gonadotropin-releasing hormone in rat. Wang WK, et al. **Nature** 1982 Mar 25;296(5855):354

Aging and haloperidol-induced dopamine turnover in the nigro-striatal pathway of C57BL/6J mice. Severson JA, et al. **Neurobiol Aging** 1981 Fall;2(3):193-7

Changes in the rate of dopamine synthesis in the posterior pituitary during dehydration and rehydration: relationship to plasma sodium concentrations. Alper RH, et al. **Neuroendocrinology** 1982 Apr;34(4):252-7

Effects of phencyclidine on synaptosomal dopamine continuously appearing from phenylalanine: sensitivity to reserpine. Bagchi SP. **Neuropharmacology** 1981 Sep; 20(9):845-51

Reduced dopamine synthesis and protein levels in the median eminence of blinded anosmic female rats: relation to the pineal. Morgan WW, et al. **Prog Clin Biol Res** 1982; 92:243-52

[Rate of cerebral dopamine synthesis in rats] Vamvakides A. **Agressologie** 1981;22(3):117-28 (Eng. Abstr.) **(Fre)**

BLOOD

The relation between catecholamines, glucagon and pancreatic polypeptide during hypoglycaemia in man. Järhult J, et al. **Acta Endocrinol (Copenh)** 1981 Nov; 98(3):402-6

Dopamine uptake in platelets: two different low-affinity, saturable mechanisms. Lingjaerde O, et al. **Agents Actions** 1981 Jul;11(4):410-6

Rapid fluctuations in plasma catecholamines in monkeys under undisturbed conditions. Hansen BC, et al. **Am J Physiol** 1982 Jan;242(1):E40-6

Changes in plasma catecholamine concentrations during endotracheal intubation. Russell WJ, et al. **Br J Anaesth** 1981 Aug;53(8):837-9

Secretion of hypothalamic dopamine into pituitary stalk blood of aged female rats. Reymond MJ, et al. **Brain Res Bull** 1981 Jul;7(1):69-73

Plasma catecholamines in Friedreich's ataxia assayed using high performance liquid chromatography with electrochemical detection. Merkel AD, et al. **Can J Neurol Sci** 1982 May;9(2):205-8

Validity of liquid chromatography with electrochemical detection for measuring dopamine in human plasma. Goldstein DS, et al. **Clin Chim Acta** 1981 Dec 9; 117(2):113-20

Dopamine metabolism in red blood cells in schizophrenia. Lewander T, et al. **Clin Genet** 1981 May;19(5):410-3

Circulating dopamine: its effect on the plasma concentrations of catecholamines, renin, angiotensin, aldosterone and vasopressin in the conscious dog. Ball SG, et al. **Clin Sci** 1981 Oct;61(4):417-22

Alterations in plasma dopamine-beta-hydroxylase and catecholamine concentrations during surgical removal of pheochromocytoma. Wocial B, et al. **Endokrinologie** 1982 Feb;79(1):131-9

Plasma catecholamines and autonomic responsiveness in obesity. Jung RT, et al. **Int J Obes** 1982;6(2):131-41

The hemodynamic relevance of free and conjugated dopamine in pheochromocytoma. Kuchel O, et al. **J Clin Endocrinol Metab** 1982 Jun;54(6):1268-70

Pheochromocytoma and hypophysectomy: effects on blood pressure and catecholamines. Manger WM, et al. **Life Sci** 1982 Feb 15-22;30(7-8):601-2

Plasma norepinephrine, epinephrine and dopamine responses to intracerebral administration of a met-enkephalin analog, D-ala2-met-enkephalinamide, in rats. Van Loon GR, et al. **Neuroendocrinology** 1981 Sep;33(3):153-7

Platelet monoamine uptake in relatives of patients with Huntington's chorea. Ehsanullah RS, et al. **Postgrad Med J** 1981 Aug;57(670):479-81

[Effects of tiapride infusion on plasma levels of beta-endorphin, prolactin and dopamine in patients with pain from cancer (author's transl)] Gennari C, et al. **Sem Hop Paris** 1981 Apr 18-25;57(15-16):795-800 (Eng. Abstr.) **(Fre)**

[3H dopamine disappearance rate in normotensive and hypertensive patients] Serrano PA, et al. **Arch Inst Cardiol Mex** 1981 Sep-Oct;51(5):407-14 (Eng. Abstr.) **(Spa)**

CEREBROSPINAL FLUID

Demonstration of conjugated dopamine in monkey CSF by gas chromatography-mass spectrometry. Elchisak MA, et al. **J Neurochem** 1982 Sep;39(3):726-8

CHEMICAL SYNTHESIS

Future directions in dopaminergic nervous system and dopaminergic agonists. Cannon JG, et al. **J Med Chem** 1981 Oct;24(10):1113-8 (66 ref.)

DEFICIENCY

Dopaminergic deficiency and delayed visual evoked potentials in humans. Bodis-Wollner I, et al. **Ann Neurol** 1982 May;11(5):478-83

Dopaminergic deficiency causes delayed visual evoked potentials in rats. Onofrj M, et al. **Ann Neurol** 1982 May; 11(5):484-90

Unilateral dopamine deficit and lateral eeg asymmetry: sleep abnormalities in hemi-Parkinson's patients. Myslobodsky M, et al. **Electroencephalogr Clin Neurophysiol** 1982 Aug; 54(2):227-31

Deficiency of dopamine in the median eminence of Snell dwarf mice. Morgan WW, et al. **Endocrinology** 1981 Dec; 109(6):2069-75

Dopamine deficiency in the weaver mutant mouse. Schmidt MJ, et al. **J Neurosci** 1982 Mar;2(3):376-80

Abnormalities of cerebral oxidative metabolism in animal models of Parkinson disease. Harik SI, et al. **Neurology (NY)** 1982 Apr;32(4):382-9

Dopamine deficiency in the cerebral cortex in Parkinson disease. Scatton B, et al. **Neurology (NY)** 1982 Sep; 32(9):1039-40

DIAGNOSTIC USE

Monoamine sensitivity of smooth muscle in vivo in nociception disorders. Del Bianco PL, et al. **Adv Neurol** 1982;33:391-8

Dopamine does not affect parathyroid function in man. Bansal S, et al. **J Clin Endocrinol Metab** 1982 Mar; 54(3):651-2

Dopaminergic stimulation and inhibition of growth hormone secretion in normal man: studies of the pharmacologic specificity. Bansal SA, et al. **J Clin Endocrinol Metab** 1981 Dec;53(6):1273-7

Dopaminergic modulation of 18-hydroxycorticosterone secretion in man. Sowers JR, et al. **J Clin Endocrinol Metab** 1982 Mar;54(3):523-7

Effects of increased central dopaminergic tonus on gonadotropin secretion. Travaglini P, et al. **J Endocrinol Invest** 1981 Apr-Jun;4(2):237-40

ISOLATION & PURIFICATION

[Contribution to the study of nervous system in larval and adult forms of Schistosoma mansoni Sambon, 1907 (Trematoda Digenea). II. Role of serotonine and dopamine (author's transl)] Dei-Cas E, et al. **Ann Parasitol Hum Comp** 1981;56(3):271-84 (Eng. Abstr.) **(Fre)**

METABOLISM

Interaction at the synaptic level of fusaric acid with neurotransmitters. Fischer HD, et al. **Acta Biol Med Ger** 1980;39(8-9):935-40

Synaptosomal uptake and release of dopamine and 5-hydroxy-tryptamine in the nucleus accumbens in vitro following in vivo administration of lysergic acid diethylamide in rats. Hetey L, et al. **Acta Biol Med Ger** 1980;39(8-9):889-95

Effect of cholecystokinin antiserum on the brain monoamine content in rats. Fekete M, et al. **Acta Physiol Acad Sci Hung** 1981;57(2):177-83

Striatal dopamine levels after unilateral lesions of the substantia nigra: evidence for a contralateral decrease. Hahn Z, et al. **Acta Physiol Acad Sci Hung** 1981; 57(3):249-53

Effects of prostaglandins on catecholamine metabolism of the central nervous system in rats. Telegdy G. **Acta Physiol Acad Sci Hung** 1981;57(3):221-4

Effects of single injections of nicotine on the ascending dopamine pathways in the rat. Evidence for increases of dopamine turnover in the mesostriatal and mesolimbic dopamine neurons. Andersson K, et al. **Acta Physiol Scand** 1981 Jul;112(3):345-7

Density of amine accumulating neurons in rabbit and guinea-pig retina. Ehinger B, et al. **Acta Physiol Scand** 1981 May;112(1):111-2

Serotonergic-dopaminergic interactions: implications for hyperkinetic disorders. Gabay S. **Adv Exp Med Biol** 1981; 133:585-601

Serotonin and dopamine disturbances in patients with unipolar depression and Parkinsonism. Mendlewicz J, et al. **Adv Exp Med Biol** 1981;133:753-67

Increased dopamine in the failing hamster heart: transvesicular transport of dopamine limits the rate of norepinephrine synthesis. Sole MJ, et al. **Am J Cardiol** 1982 May;49(7):1682-90

Metabolism of 3H-dopamine by human chorioamnion in vitro. Phillippe M, et al. **Am J Obstet Gynecol** 1982 Aug 1;143(7):782-7

Renal handling of dopa, dopamine, norepinephrine, and epinephrine in the dog. Ball SG, et al. **Am J Physiol** 1982 Jan;242(1):F56-62

Does papaverine affect brain dopamine? [letter] Branconnier RJ, et al. **Ann Neurol** 1982 Jul;12(1):64

Dopamine and homovanillic acid concentrations in striatal and limbic regions of human brain. Walsh FX, et al. **Ann Neurol** 1982 Jul;12(1):52-5

Dopamine beta-Hydroxylation in diabetes ane diabetic autonomic neuropathy. Hoeldtke RD, et al. **Biochem Med** 1981 Aug;26(1):67-76

Inhibitory effects of type A and type B monoamine oxidase inhibitors on synaptosomal accumulation of [3H]dopamine: a reflection of antidepressant potency. Azzaro AJ, et al. **Biochem Pharmacol** 1982 Jun 15;31(12):2195-7

Effect of haloperidol pre- and post-treatment on the ability of pergolide and bromocriptine to antagonize the gamma-butyrolactone-induced increase in brain dopamine in rats. Fuller RW, et al. **Biochem Pharmacol** 1982 Jun 15; 31(12):2199-200

Differences in the inhibitory effect of Cd2+, Mn2+ and Al3+ on the uptake of dopamine by synaptosomes from forebrain and from striatum of the rat. Lai JC, et al. **Biochem Pharmacol** 1981 Nov 15;30(22):3123-5

Comparative effects of benztropine and nomifensine on dopamine uptake and release from striatal synaptosomes. McKillop D, et al. **Biochem Pharmacol** 1981 Oct; 30(20):2753-8

[3H]Dopamine release by d-amphetamine from striatal synaptosomes of reserpinized rats. Masuoka DT, et al. **Biochem Pharmacol** 1982 Jun 1;31(11):1969-74

Enzymology and subcellular localization of aldehyde oxidation in rat liver. Oxidation of 3,4-dihydroxyphenylacetaldehyde derived from dopamine to 3,4-dihydroxyphenylacetic acid. Tank AW, et al. **Biochem Pharmacol** 1981 Dec 15;30(24):3265-75

Irreversible blockade of [3H]spiperone- but not [3H]dopamine-labeled dopamine receptors with phenoxybenzamine. Titeler M. **Biochem Pharmacol** 1981 Nov 15;30(22):3031-7

Uptake and metabolism of catecholamines in rat brain synaptosomes: studies on the contribution of monoamine oxidase. Urwyler S, et al. **Biochem Pharmacol** 1981 Oct; 30(20):2777-85

Stoichiometry of H+-linked dopamine transport in chromaffin granule ghosts. Knoth J, et al. **Biochemistry** 1981 Nov 10;20(23):6625-9

Kinetic studies on the O-methylation of dopamine by human brain membrane-bound catechol O-methyltransferase. Rivett AJ, et al. **Biochemistry** 1982 Apr 13;21(8):1740-2

Theoretical implications of tolerance development in DA, ACh and GABA turnover after neuroleptic chronic treatment. Agnati LF, et al. **Boll Soc Ital Biol Sper** 1981 Jun 15;57(11):1261-6

Ontogenesis of uptake and deamination of 5-hydroxytryptamine, dopamine and beta-phenylethylamine in isolated perfused lung and lung homogenates from rats. Ben-Harari RR, et al. **Br J Pharmacol** 1981 Apr;72(4):731-7

Androgen-induced sexual dimorphism in high affinity dopamine binding in the brain transcends the hypothalamic-limbic region. Jalilian-Tehrani MH, et al. **Br J Pharmacol** 1982 Jan;75(1):37-48

The effect of gamma-hydroxybutyrate on mouse striatal tyramine, dopamine and homovanillic acid. Juorio AV. **Br J Pharmacol** 1982 Mar;75(3):447-50

Positive and negative schizophrenic symptoms and the role of dopamine [letter] Ashcroft GW, et al. **Br J Psychiatry** 1981 Mar;138:268-9

Dopamine hypothesis in acute psychosis [letter] Marsden CD. **Br J Psychiatry** 1981 Mar;138:269-70

The organization of dopaminergic and non-dopaminergic mesencephalo-cortical neurons in the rat. Albanese A, et al. **Brain Res** 1982 Apr 29;238(2):421-5

Differential effects of gonadal steroids on dopamine metabolism in mesolimbic and nigro-striatal pathways of male rat brain. Alderson LM, et al. **Brain Res** 1981 Aug 10;218(1-2):189-206

Mesocortical dopamine neurons: rapid transmitter turnover compared to other brain catecholamine systems. Bannon MJ, et al. **Brain Res** 1981 Aug 10;218(1-2):376-82

Characterization of high affinity dopamine uptake into the dopamine neurons of the hypothalamus. George SR, et al. **Brain Res** 1982 Feb 25;234(2):339-55

Postnatal development of monoamine content and synthesis in the cerebral cortex of rhesus monkeys. Goldman-Rakic PS, et al. **Brain Res** 1982 Jul;256(3):339-49

Mesocortical vs nigrostriatal dopamine uptake in isolated fighting mice. Hadfield MG. **Brain Res** 1981 Oct 5; 222(1):172-6

Dopamine release in rat striatum after administration of L-dope as studied with in vivo electrochemistry. Hefti F, et al. **Brain Res** 1981 Nov 30;225(2):333-46

Reduction of dopamine utilization in the prefrontal cortex but not in the nucleus accumbens after selective destruction of noradrenergic fibers innervating the ventral tegmental area in the rat. Herve D, et al. **Brain Res** 1982 Apr 15; 237(2):510-6

Neural regulation of adrenal chromaffin cell function in the mouse--stress effect on the distribution of [3H]dopamine in denervated adrenal medulla. Hirano T. **Brain Res** 1982 Apr 22;238(1):45-54

Effect of microwave irradiation on monoamine metabolism in dissected rat brain. Ishikawa K, et al. **Brain Res** 1982 May 20;240(1):158-61

Involvement of GABA in the feedback action of estradiol on gonadotropin and prolactin release: hypothalamic GABA and catecholamine turnover rates. Mansky T, et al. **Brain Res** 1982 Jan 14;231(2):353-64

Magnitude and duration of hyperactivity following neonatal 6-hydroxydopamine is related to the extent of brain dopamine depletion. Miller FE, et al. **Brain Res** 1981 Dec 14;229(1):123-32

Changes in catecholamine neuronal uptake and receptor binding in the brains of spontaneously hypertensive rats (SHR). Myers MM, et al. **Brain Res** 1981 Sep 14; 220(2):325-38

Epinephrine, norepinephrine, dopamine and serotonin: differential effects of acute and chronic stress on regional brain amines. Roth KA, et al. **Brain Res** 1982 May 13; 239(2):417-24

Changes in dopamine and DOPAC following systemic administration of apomorphine and 3,4-dihydroxyphenylamino-2-imidazoline (DPI) in rats. Springer J, et al. **Brain Res** 1981 Sep 7;220(1):226-30

Long-term decreases in striatal dopamine, 3,4-dihydroxyphenylacetic acid, and homovanillic acid after a single injection of amphetamine in iprindole-treated rats: time course and time-dependent interactions with amfonelic acid. Steranka LR. **Brain Res** 1982 Feb 18; 234(1):123-36

[3H]Dopamine accumulation and release from striatal slices in young, mature and senescent rats. Thompson JM, et al. **Brain Res** 1981 Nov 16;224(2):436-40

Effect of des-Tyr1-gamma-endorphin and des-Tyr1-alpha-endorphin on alpha-MPT-induced catecholamine disappearance in rat brain nuclei: a dose--response study. Versteeg DH, et al. **Brain Res** 1982 Jan 14;231(2):343-51

Altered hypothalamic dopamine depletion rate and LHRH content in noncyclic hamsters. Kumar MS, et al. **Brain Res Bull** 1982 Jan;8(1):33-6

Aging of tuberoinfundibular (A-12) dopamine neurons in the C57Bl/6N male mouse. Selemon LD, et al. **Brain Res Bull** 1981 Nov;7(5):585-94

Dopamine uptake capacity of platelets from people at risk for Huntington's chorea. McLean DR, et al. **Can J Neurol Sci** 1981 May;8(2):167-8

Altered concentration of catecholamines in the hypothalamus of the rat after renal denervation. Calaresu FR, et al. **Can J Physiol Pharmacol** 1981 Dec;59(12):1274-7

Effects of estradiol on intact and denervated striatal dopamine receptors and on dopamine levels: a biochemical and behavioral study. Di Paolo T, et al. **Can J Physiol Pharmacol** 1982 Mar;60(3):350-7

Effects of dopamine agonists and antagonists on murine melanoma: correlation with dopamine binding activity. Krummel TM, et al. **Cancer** 1982 Mar 15;49(6):1178-84

Octopamine as the transmitter at the firefly lantern: presence of an octopamine-sensitive and a dopamine-sensitive adenylate cyclase. Copeland J, et al. **Comp Biochem Physiol [C]** 1982;72(1):125-7

A dopamine sensitive adenylate cyclase in the salivary glands of Amblyomma americanum (L.). Schmidt SP, et al. **Comp Biochem Physiol [C]** 1982;72(1):9-14

Modification of the drug talking behavior in rats by interference in the metabolism of 5-hydroxytryptamine and catecholamines. Fuchs V, et al. **Drug Alcohol Depend** 1981 Nov;8(3):235-44

The effect of hypophysectomy and subsequent prolactin replacement or of elevated prolactin alone on median eminence noradrenaline and dopamine in the rat. Morgan WW, et al. **Endocrinology** 1982 May;110(5):1584-91

Pulsatile luteinizing hormone (LH) patterns in ovariectomized rats: involvement of norepinephrine and dopamine in the release of LH-releasing hormone and LH. Negro-Vilar A, et al. **Endocrinology** 1982 Sep;111(3):932-8

Serotoninergic control of growth hormone secretion: hypothalamic dopamine, norepinephrine, and serotonin levels and metabolism in three hyposomatotropic rat models and in normal rats. Smythe GA, et al. **Endocrinology** 1982 Feb;110(2):376-83

Rat prolactin and hypothalamic catecholamine nerve terminal systems. Evidence for rapid and discrete increases in dopamine and noradrenaline turnover in the hypophysectomized male rat. Andersson K, et al. **Eur J Pharmacol** 1981 Dec 3;76(2-3):261-5

Dopamine metabolites and catalepsy after lithium and haloperidol. Bowers MB Jr, et al. **Eur J Pharmacol** 1982 Feb 19;78(1):113-5

Effects of amphetamine and amfonelic acid on the disposition of striatal newly synthesized dopamine. Miller HH, et al. **Eur J Pharmacol** 1982 Feb 19;78(1):33-44

Kainic acid-induced changes of serotonin and dopamine metabolism in the striatum and substantia nigra of the rat. Sperk G, et al. **Eur J Pharmacol** 1981 Sep 24;74(4):279-86

Reversible alterations in hypothalamic uptake of biogenic amines after septal lesions. Thompson RG, et al. **Exp Neurol** 1981 Nov;74(2):356-69

Levodopa effect on norepinephrine and dopamine brain levels after portocaval shunt in rats. Alsasua A, et al. **Experientia** 1982 Mar 15;38(3):386-7

Relationship of calmodulin and dopaminergic activity in the striatum. Gnegy ME. **Fed Proc** 1982 May;41(7):2273-7

Comparative effects of short- and long-term treatment with neuroleptics on behavioural activity as well as dopamine turnover in striatum. Rastogi RB, et al. **Gen Pharmacol** 1982;13(1):35-40

Histofluorescence study and biochemical assay of catecholamines (dopamine and noradrenaline) during the course of arm-tip regeneration in the starfish, Asterina gibbosa (Echinodermata, Asteroidea). Huet M, et al. **Histochemistry** 1981;72(1):149-54

Glial uptake of monoamines in primary cultures of rat median raphe nucleus and cerebellum. A combined monoamine fluorescence and glial fibrillary acidic protein immunofluorescence study. Liesi P, et al. **Histochemistry** 1981;73(2):239-50

Compensatory mechanisms in the nigrostriatal dopaminergic system in Parkinson's disease: studies in an animal model. Melamed E, et al. **Isr J Med Sci** 1982 Jan;18(1):159-63

Newly synthesized L-[14C]dopamine failed to accumulate immediately in synaptic vesicles within isolated rat brain synaptosomal cytoplasm. Tsudzuki T. **J Biochem (Tokyo)** 1981 Nov;90(5):1341-9

Simultaneous quantification of dopamine, 5-hydroxytryptamine and four metabolically related compounds by means of reversed-phase high-performance liquid chromatography with electrochemical detection. Kilts CD, et al. **J Chromatogr** 1981 Oct 9;225(2):347-57

Evidence for a D1 dopamine receptor in the salivary glands of Amblyomma americanum (L.). Schmidt SP, et al. **J Cyclic Nucleotide Res** 1981;7(6):375-84

The extra-adrenal synthesis of epinephrine in rats. Possible involvement of dopamine sulfate. Buu NT, et al. **J Lab Clin Med** 1981 Oct;98(4):527-35

Effects of local anesthetics on phospholipid topology and dopamine uptake and release in rat brain synaptosomes. Bradford PG, et al. **J Membr Biol** 1982;67(3):211-8

Ethanol metabolism and striatal dopamine turnover. Barbaccia ML, et al. **J Neural Transm** 1982;53(2-3):169-77

Relatively high levels of dopamine in nucleus accumbens of levodopa treated patients with Parkinson's disease. Goldstein M, et al. **J Neural Transm** 1982;54(1-2):129-34

Effect of gammahydroxybutyric acid on catecholamine synthesis and utilization in the developing rat brain. Hedner T, et al. **J Neural Transm** 1982;54(1-2):19-28

Monoaminergic mechanisms in stress-induced analgesia. Jensen TS, et al. **J Neural Transm** 1982;53(4):247-55

The effects of Cycloheximide and Anisomycin on monoamine synthesis in a brain synaptosome preparation. Schweri MM, et al. **J Neural Transm** 1982;54(1-2):41-50

Circadian variations in the activity of tyrosine hydroxylase, tyrosine aminotransferase, and tryptophan hydroxylase: relationship to catecholamine metabolism. Cahill AL, et al. **J Neurochem** 1981 Nov;37(5):1109-15

Neurochemical studies of the mesolimbic dopaminergic pathway: glycinergic mechanisms and glycinergic-dopaminergic interactions in the rat ventral tegmentum. Gundlach AL, et al. **J Neurochem** 1982 Feb; 38(2):574-81

Effects of a single intravenous glucocorticoids dose on biogenic amine levels in cat lumbar spinal cord. Hall ED, et al. **J Neurochem** 1982 Jun;38(6):1787-90

Rate and duration of stimulation determine presynaptic effects of haloperidol on dopaminergic neurons. Hoffmann IS, et al. **J Neurochem** 1982 Aug;39(2):585-8

5-hydroxytryptamine stimulates [3H]dopamine release from the fish retina. Kato S, et al. **J Neurochem** 1982 Aug; 39(2):493-8

Monoamine oxidase-catalyzed metabolism of 3,4-dihydroxyphenylethylamine in the dopaminergic synaptosomes from rat corpus striatum. Katz IR. **J Neurochem** 1982 Mar;38(3):859–62

Catabolism of endogenous dopamine in peripheral tissues: is there an independent role for dopamine in peripheral neurotransmission? Lacković Z, et al. **J Neurochem** 1982 May;38(5):1453–8

The effects of chronic manganese chloride treatment expressed as age-dependent, transient changes in rat brain synaptosomal uptake of amines. Lai JC, et al. **J Neurochem** 1982 Mar;38(3):844–7

Biochemical evidence for alteration of neostriatal dopaminergic function by 5,7-dihydroxytryptamine. Liston DR, et al. **J Neurochem** 1982 May;38(5):1329–35

Diurnal variations in monoamine contents in discrete brain regions of the mongolian gerbil (Meriones unguiculatus). Matsumoto M, et al. **J Neurochem** 1981 Sep;37(3):792–4

Benzodiazepine antagonist Ro 15-1788: binding characteristics and interaction with drug-induced changes in dopamine turnover and cerebellar cGMP levels. Möhler H, et al. **J Neurochem** 1981 Sep;37(3):714–22

Effects of chloral hydrate, gamma-butyrolactone, and equithesin on the efflux of dopamine and 5-hydroxytryptamine metabolites into cerebroventricular perfusates of rats. Nielsen JA, et al. **J Neurochem** 1982 Jul;39(1):235–8

Neurotransmitter metabolism in rat brain synaptosomes: effect of anoxia and pH. Pastuszko A, et al. **J Neurochem** 1982 Jun;38(6):1657–67

Effects of the convulsant methionine sulfoximine on striatal dopamine metabolism. Rothstein JD, et al. **J Neurochem** 1982 Aug;39(2):452–7

The differential effect of ischemia on the active uptake of dopamine, gamma-aminobutyric acid, and glutamate by brain synaptosomes. Weinberger J, et al. **J Neurochem** 1982 Apr;38(4):963–8

Estimation of the turnover of 3-methoxytyramine in the rat striatum by HPLC with electrochemical detection: implications for the sequence in the cerebral metabolism of dopamine. Westerink BH, et al. **J Neurochem** 1982 Feb; 38(2):342–7

On the significance of endogenous 3-methoxytyramine for the effects of centrally acting drugs on dopamine release in the rat brain. Westerink BH, et al. **J Neurochem** 1982 Mar;38(3):680–6

Postnatal development of dopaminergic neurons in the rabbit retina. Lam DM, et al. **J Neurosci** 1981 Oct;1(10):1117–32

Specific uptake of norepinephrine and dopamine by homogenates of rat cerebral cortex after locus ceruleus lesion. Logan WJ, et al. **J Neurosci** 1982 Mar;2(3):394–8

Low affinity, adenosine 5'-triphosphate-dependent [3H]dopamine binding in synaptic membranes from bovine caudate is unrelated to dopamine-stimulated adenylate cyclase. Near JA, et al. **J Neurosci** 1982 May;2(5):553–61

Dopamine metabolism following irreversible inactivation of aromatic amino acid decarboxylase in retina. Parkinson D, et al. **J Neurosci** 1981 Nov;1(11):1205–10

Covalent interaction of [3H]-dopamine with rat brain proteins in vivo and with the dopamine-reuptake site of nerve endings in vitro. Davies BD, et al. **J Neurosci Res** 1981;6(4):539–52

Influence of dietary zinc on rat brain catecholamines. Wallwork JC, et al. **J Nutr** 1982 Mar;112(3):514–9

Lowering of dopamine metabolites in rat brain by harmaline. Fuller RW, et al. **J Pharm Pharmacol** 1981 Apr;33(4):255–6

Comparative effects of classical and atypical antipsychotic drugs in combination with a non-amphetamine stimulant on rat brain dopamine metabolism. McMillen BA. **J Pharm Pharmacol** 1981 Aug;33(8):544–6

Increased responsiveness to apomorphine after REM sleep deprivation: supersensitivity of dopamine receptors or increase in dopamine turnover? Tufik S. **J Pharm Pharmacol** 1981 Nov;33(11):732–8

Effects of antidepressant drugs on dopamine uptake and metabolism. Waldmeier PC. **J Pharm Pharmacol** 1982 Jun; 34(6):391–4

Effect of glucose on dopamine metabolism in the rat striatum. Westerink BH, et al. **J Pharm Pharmacol** 1981 Sep; 33(9):601–2

Chronic treatment with haloperidol or fluphenazine decanoate: regional effects on dopamine and serotonin metabolism in primate brain. Bacopoulos NG, et al. **J Pharmacol Exp Ther** 1982 Apr;221(1):22–8

Relationship between bupropion disposition and dopamine uptake inhibition in rats and mice. Butz RF, et al. **J Pharmacol Exp Ther** 1982 Jun;221(3):676–85

Modulation of the stimulation-evoked release of [3H]dopamine in the rabbit retina. Dubocovich ML, et al. **J Pharmacol Exp Ther** 1981 Dec;219(3):701–7

Presynaptic effects of tetrahydropapaveroline on striatal dopaminergic neurons. Hoffman IS, et al. **J Pharmacol Exp Ther** 1982 Jan;220(1):16–22

Modulation of dopamine release in rat striatal slices by delta opiate agonists. Lubetzki C, et al. **J Pharmacol Exp Ther** 1982 Aug;222(2):435–40

gamma-Aminobutyric acid (GABA) receptor stimulation. III. Effect of progabide (SL 76002) on norepinephrine, dopamine and 5-hydroxytryptamine turnover in rat brain areas. Scatton B, et al. **J Pharmacol Exp Ther** 1982 Mar; 220(3):678–88

Actions of GABAergic agents on dopamine metabolism in the nigrostriatal pathway of the rat. Wood PL. **J Pharmacol Exp Ther** 1982 Sep;222(3):674–9

Catastrophe theory of dopaminergic transmission: a revised dopamine hypothesis of schizophrenia. King R, et al. **J Theor Biol** 1981 Oct 21;92(4):373–400

Effects of tricyclic antidepressants on tetrabenazine-induced depletion of brain monoamines in rats. 2. Dopamine. Yoshizaki T, et al. **Jpn J Pharmacol** 1981 Jun;31(3):443–9

Ontogenesis of the dopamine uptake into P2 fractions and slices of the rat brain. Yotsumoto I, et al. **Jpn J Pharmacol** 1981 Apr;31(2):298–300

Acute changes in the state of dopamine receptors; in vitro monitoring with 3H-dopamine. Bacopoulos NG. **Life Sci** 1981 Dec 7;29(23):2407–14

Acute choline administration in rat and mouse: no effect on dopamine metabolism in brain. Flentge F, et al. **Life Sci** 1981 Jul 27;29(4):331–5

3H-dopamine binding to rat striatal D-2 and D-3 sites: enhancement by magnesium and inhibition by guanine nucleotides and sodium. Hamblin MW, et al. **Life Sci** 1982 May 3;30(18):1587–95

Differential effects of inescapable footshocks and of stimuli previously paired with inescapable footshocks on dopamine turnover in cortical and limbic areas of the rat. Herman JP, et al. **Life Sci** 1982 Jun 21;30(25):2207–14

Differential effect of changing central and peripheral catecholamine levels in cysteamine-induced duodenal ulcer in the rat. Horner HC, et al. **Life Sci** 1981 Dec 7; 29(23):2437–43

Influence of dopamine agonists on plasma and brain levels of homovanillic acid. Kendler KS, et al. **Life Sci** 1982 Jun 14;30(24):2063–9

Dopamine and its metabolites in human peripheral nerves: is there a widely distributed system of peripheral dopaminergic nerves? Lackovic Z, et al. **Life Sci** 1981 Aug 31;29(9):917–22

Potent dopamine agonist activity of a novel ergoline, 6-ethyl-9-oxaergoline (EOE). Martin GE, et al. **Life Sci** 1982 May 24;30(21):1847–56

Effects of chronic morphine administration on catecholamines and beta-adrenergic receptors of the superior cervical ganglion and iris of the rat. Mattio TG, et al. **Life Sci** 1982 Apr 26;30(17):1435–42

Increases in dopamine metabolism are not a general feature of intracranial self-stimulation. Mitchell MJ, et al. **Life Sci** 1982 Mar 29;30(13):1081–5

Chronic hyperprolactinemia depletes hypothalamic dopamine concentrations in male rats. Simpkins JW, et al. **Life Sci** 1982 Apr 19;30(16):1349–53

Forebrain catecholamine concentrations in the rat after neocortical and hippocampal lesions. Woodruff ML, et al. **Life Sci** 1981 Dec 21;29(25):2603–7

Normal rats trained to circle show asymmetric caudate dopamine release. Yamamoto BK, et al. **Life Sci** 1982 Jun 21;30(25):2155–62

Effects of acute central and peripheral administration of nicotine on ascending dopamine pathways in the male rat brain. Evidence for nicotine induced increases of dopamine turnover in various telencephalic dopamine nerve terminal systems. Andersson K, et al. **Med Biol** 1981 Jun;59(3):170–6

Neurochemical characteristics of cerebral catecholamine neurons during the postnatal development in the rat. Hedner T, et al. **Med Biol** 1981 Aug;59(4):212–23

Neurotensin receptors are located on dopamine-containing neurones in rat midbrain. Palacios JM, et al. **Nature** 1981 Dec 10;294(5841):587–9

The trained circling rat: a model for inducing unilateral caudate dopamine metabolism. Yamamoto BK, et al. **Nature** 1982 Jul 29;298(5873):467–8

Effects of striatal lesions with kainic acid on morphine-induced 'catatonia' and increase of striatal dopamine turnover. Havemann U, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1981 Aug; 317(1):44–50

Dopamine receptor mediated inhibition by pergolide of electrically-evoked 3H-dopamine release from striatal slices of cat and rat: slight effect of ascorbate. Lehmann J, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1981 Aug; 317(1):31–5

Acceleration by stress of dopamine synthesis and metabolism in prefrontal cortex: antagonism by diazepam. Reinhard JF Jr, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1982 Mar;318(4):374–7

Effect of chronic clonidine treatment on the turnover of noradrenaline and dopamine in various regions of the rat brain. Rochette L, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1982 Apr; 319(1):40–2

Changes in monoamines and their metabolite levels in some brain regions of aged rats. Ponzio F, et al. **Neurobiol Aging** 1982 Spring;3(1):23–9

Effects of ovarian hormones on norepinephrine and dopamine turnover in individual hypothalamic and extrahypothalamic nuclei. Crowley WR. **Neuroendocrinology** 1982 Jun; 34(6):381–6

Neuroleptic malignant syndrome caused by dopamine depleting drugs [letter] Login IS, et al. **Neurology (NY)** 1982 Feb;32(2):218–9

Huntington chorea is not associated with hyperactivity of nigrostriatal dopaminergic neurons: studies in postmortem tissues and in rats with kainic acid lesions. Melamed E, et al. **Neurology (NY)** 1982 Jun;32(6):640–4

Characteristics of dopamine release from isolated nerve endings of the tuberoinfundibular neurones. Annunziato L, et al. **Neuropharmacology** 1981 Aug;20(8):727–31

Antiestrogen-induced alterations of hypothalamic dopamine and norepinephrine levels in the female rat. Baksi SN, et al. **Neuropharmacology** 1981 Dec;20(12A):1163–7

Further studies on the long-term depletion of striatal dopamine in iprindole-treated rats by amphetamine. Fuller RW, et al. **Neuropharmacology** 1982 May;21(5):433–8

Properties of the optical isomers and metabolites of ketamine on the high affinity transport and catabolism of monoamines. Smith DJ, et al. **Neuropharmacology** 1981 Apr;20(4):391–6

Content of dopamine in the nigrostriatal system during electrical stimulation of the caudate nucleus head. Bazhenova SI, et al. **Neurosci Behav Physiol** 1981 Jul-Aug; 11(4):323–7

Pharmacological investigation on the role of dopamine in the rat locus coeruleus. Milon H, et al. **Neurosci Lett** 1982 Jun 30;30(3):297–301

Monensin depletes PC12 pheochromocytoma cells of catecholamines and of chromaffin-type granules. Perlman RL, et al. **Neurosci Lett** 1982 Apr 16;29(2):177–82

Hypothalamic catecholamine changes under acute stress occur independently of nicotinic stimulation. Roth KA, et al. **Neurosci Lett** 1982 Jan 22;28(1):47–50

Role of acetylcholine and dopamine in myoclonus induced by intrastriatal picrotoxin. Slater P, et al. **Neurosci Lett** 1982 Mar 5;28(3):253–7

Dopamine release induced by electrical stimulation of microdissected caudate-putamen and substantia nigra of the rat brain. Aceves J, et al. **Neuroscience** 1981; 6(10):2069–75

Origin, course and termination of dopaminergic substantia nigra neurons projecting to the amygdaloid complex in the cat. Meibach RC, et al. **Neuroscience** 1981;6(11):2159–71

Photometric assessment of glyoxylic acid-induced fluorescence of dopamine in the caudate nucleus. Redgrave P, et al. **Neuroscience** 1982 Apr;7(4):871–83

Dopaminergic dendrites in the pars reticulata of the rat substantia nigra and their striatal input. Combined immunocytochemical localization of tyrosine hydroxylase and anterograde degeneration. Wassef M, et al. **Neuroscience** 1981;6(11):2125–39

Dopaminergic (DA) systems: their role in pathological neurobehavioral symptoms. Majovski LV, et al. **Neurosurgery** 1981 Dec;9(6):751–7

The influence of ingested aluminum upon norepinephrine and dopamine levels in the rat brain. Wenk GL, et al. **Neurotoxicology (Park Forest II)** 1981 Oct,2(2):347–53

Effect of an amnesic dose of reserpine, syrosingopine or guanethidine on the levels of whole brain dopamine and norepinephrine in the mouse. Brown OM, et al. **Pharmacol Biochem Behav** 1981 Dec;15(6):911–4

Effect of fusaric acid on aggression, motor activity, and brain monoamines in mice. Diringer MN, et al. **Pharmacol Biochem Behav** 1982 Jan;16(1):73–9

The effect of drugs altering striatal dopamine levels on apomorphine induced stereotypy. Feigenbaum JJ, et al. **Pharmacol Biochem Behav** 1982 Feb;16(2):235–40

Chronic amphetamine: is dopamine a link in or a mediator of the development of tolerance and reverse tolerance? Kuczenski R, et al. **Pharmacol Biochem Behav** 1981 Sep; 15(3):405–13

Regional brain levels of monoamines in alcohol-preferring and -nonpreferring lines of rats. Murphy JM, et al. **Pharmacol Biochem Behav** 1982 Jan;16(1):145–9

Measurement of metabolites of dopamine and 5-hydroxytryptamine in cerebroventricular perfusates of unanesthetized, freely-moving rats: selective effects of drugs. Nielsen JA, et al. **Pharmacol Biochem Behav** 1982 Jan;16(1):131–7

Inhibition of evoked dopamine release by monopropionylcadaverine in vitro. Salzman SK, et al. **Pharmacol Biochem Behav** 1981 Jul;15(1):119–23

Selective increase in brain dopamine metabolism during REM sleep rebound in the rat. Wojcik WJ, et al. **Physiol Behav** 1981 Aug;27(2):305–12

Inhibition of dopamine uptake by a new psychostimulant mesocarb (Sydnocarb). Erdö SL, et al. **Pol J Pharmacol Pharm** 1981 Mar-Apr;33(2):141–7

Alcohol feeding alters (3H)dopamine uptake into rat cortical and brain stem synaptosomes. Tan AT, et al. **Prog Biochem Pharmacol** 1981;18:224–30

A metabolic approach to the detection of tetrahydroisoquinoline formation from 3H-dopamine in rat brain following treatment with ethanol or chloral hydrate. Shier WT, et al. **Prog Clin Biol Res** 1982;90:191–200

Interactions of trace amines with dopamine in rat striatum. Baker GB, et al. **Prog Neuropsychopharmacol** 1981; 5(5–6):577–80

Phenothiazine biphasic effect on dopamine concentrations in the basal ganglia of subhuman primates. Bird ED, et al. **Psychiatry Res** 1982 Feb;6(1):1–6

Increased food intake following the manipulation of intracerebral dopamine levels with gamma-hydroxybutyrate. Redgrave P, et al. **Psychopharmacology (Berlin)** 1982;76(3):273–7

The role if dopamine and norepinephrine uptake inhibition in mediating the central effects of d-amphetamine in vivo. Feigenbaum JJ, et al. **Res Commun Chem Pathol Pharmacol** 1982 Feb;35(2):333–5

Differential inhibitory effects of ascorbic acid on the binding of dopamine agonists and antagonists to neostriatal membrane preparations: correlations with behavioral effects. Heikkila RE, et al. **Res Commun Chem Pathol Pharmacol** 1981 Dec; 34(3):409–21

Tetrahydrobiopterin in striatum: localization in dopamine nerve terminals and role in catecholamine synthesis. Levine RA, et al. **Science** 1981 Nov 20;214(4523):919–21

New dopaminergic and indoleamine-accumulating cells in the growth zone of goldfish retinas after neurotoxic destruction. Negishi K, et al. **Science** 1982 May 14; 216(4547):747–9

Stereospecific effects of cocaine derivatives on 3H-dopamine uptake: correlations with behavioral effects. Heikkila RE, et al. **Subst Alcohol Actions Misuse** 1981;2(2):115–21

In vivo administration of phencyclidine inhibits 3H-dopamine accumulation by rat brain striatal slices. Vickroy TW, et al. **Subst Alcohol Actions Misuse** 1980; 1(4):351–4

Production of discrete changes in dopamine and noradrenaline levels and turnover in various parts of the rat brain following exposure to xylene, ortho-, meta-, and para-xylene, and ethylbenzene. Andersson K, et al. **Toxicol Appl Pharmacol** 1981 Sep 30;60(3):535–48

Toluene and telencephalic dopamine: selective reduction of amine turnover in discrete DA nerve terminal systems of the anterior caudate nucleus by low concentrations of toluene. Fuxe K, et al. **Toxicol Lett** 1982 Jul;12(2–3):115–23

[3H]-dopamine uptake in the dark-adapted fish retina. Kato S, et al. **Vision Res** 1981;21(7):1189–92

[Effect of estrogens on dopaminergic transmission] Di Paolo T, et al. **Union Med Can** 1981 Jul;110(7):627 (Eng. Abstr.) **(Fre)**

[Effect of psychotropic drugs on the central dopamine metabolism (example: neuroleptics)] Havemann U. **Arzneimittelforsch** 1981;Suppl 27:18–22 **(Ger)**

[Effect of morphine on dopamine and 5-HT content of the caudate nucleus in the guinea pig] Siniscalchi A, et al. **Boll Soc Ital Biol Sper** 1982 May 15;58(9):567–71 (Eng. Abstr.) **(Ita)**

[Concentration of the adrenergic system mediators in the placental blood vessels] Urban J, et al. **Ginekol Pol** 1981 Aug;52(8):681–5 (Eng. Abstr.) **(Pol)**

[Effect of intracaudate administration of kainic acid on the activity of the dopaminergic system] Zharkovskiĭ AM, et al. **Fiziol Zh SSSR** 1981 Nov;67(11):1606–10 (Eng. Abstr.) **(Rus)**

[Various aspects of the interaction between the dopamine and opiate systems in schizophrenia] Anokhina IP. **Vestn Akad Med Nauk SSSR** 1982;(1):37–40 (Eng. Abstr.) **(Rus)**

[Various features of dopamine metabolism in schizophrenia] Anokhina IP, et al. **Zh Nevropatol Psikhiatr** 1981; 81(9):1343–7 (Eng. Abstr.) **(Rus)**

[Approaches to the study of dopamine metabolism in various extrapyramidal diseases] Barkhatova VP, et al. **Zh Nevropatol Psikhiatr** 1981;81(7):1021–9 (Eng. Abstr.) **(Rus)**

[Dopamine metabolism in structures of the striato-nigral system during elaboration of conditioned avoidance reflexes in rats] Saul'skaia NB, et al. **Zh Vyssh Nerv Deiat** 1981 Sep–Oct;31(5):1083–5 **(Rus)**

[Ligand-dopaminergic receptor bond in the guinea pig bladder] Idoipe Tomás C, et al. **Arch Farmacol Toxicol** 1981 Apr;7(1):123–4 **(Spa)**

PHARMACODYNAMICS

Functional importance of nucleus accumbens noradrenaline in the rat. Svensson L, et al. **Acta Pharmacol Toxicol (Copenh)** 1982 Jan;50(1):22–4

Influence of dopamine and dopaminergic agonists on relaxation of isolated rabbit ileum induced by sympathetic nerve stimulation. György L, et al. **Acta Physiol Acad Sci Hung** 1981;58(2):163–8

Influence of dopamine and dopaminergic agonists on relaxation of isolated rabbit ileum induced by sympathetic nerve stimulation. György L, et al. **Acta Physiol Acad Sci Hung** 1981;58(2):163–8

Critical role of midbrain reticular formation in the expression of dopamine-mediated circling behaviour. Reavill C, et al. **Adv Biochem Psychopharmacol** 1981;30:187–204

Some behavioural interactions between 5-hydroxytryptamine and dopamine. Curzon G. **Adv Exp Med Biol** 1981; 133:563–84

Abnormal prolactin responsivity to dopaminergic suppression in hyperprolactinemic patients. Bansal S, et al. **Am J Med** 1981 Dec;71(6):961–6

Dopamine decreases fluid reabsorption in straight portions of rabbit proximal tubule. Bello-Reuss E, et al. **Am J Physiol** 1982 Jun;242(6):F634–40

Conditions for enhancement of renin release by isoproterenol, dopamine, and glucagon. Holdaas H, et al. **Am J Physiol** 1982 Mar;242(3):F267–73

A functional analysis of dopaminergic innervation of the neurohypophysis. Passo SS, et al. **Am J Physiol** 1981 Sep; 241(3):E186–90

Reduction of hypoxic ventilatory drive by dopamine. Ward DS, et al. **Anesth Analg (Cleve)** 1982 Apr;61(4):333–7

The hemodynamic response to dopamine and nitroprusside following right atrium-pulmonary artery bypass (Fontan procedure). Williams DB, et al. **Ann Thorac Surg** 1982 Jul; 34(1):51–7

The effects of dopamine on kidney function of rats. Sophasan S, et al. **Arch Int Pharmacodyn Ther** 1981 Aug; 252(2):219–28

c-AMP levels decreased by dopamine in cultured rat pituitary lactotrophs. Swennen L, et al. **Arch Int Pharmacodyn Ther** 1982 Apr;256(2):315–6

Effect of dopamine on plasma membrane phospholipid methylation of cultured anterior pituitary cells. Swennen L, et al. **Arch Int Pharmacodyn Ther** 1982 Apr;256(2):317–9

The effect of dopamine on human gastric smooth muscle. Thompson BK, et al. **Aust J Exp Biol Med Sci** 1982 Feb; 60(Pt 1):123–7

Dopamine increases cyclic AMP concentration in the rat spleen lymphocytes in vitro. Stepień H, et al. **Biochem Biophys Res Commun** 1981 Aug 14;101(3):1057–63

Inhibition of dihydropteridine reductase by dopamine. Purdy SE, et al. **Biochem J** 1981 Jun 1;195(3):769–71

Effects of dopamine on prolactin secretion and cyclic AMP accumulation in the rat anterior pituitary gland. Ray KP, et al. **Biochem J** 1981 Jan 15;194(1):119–28

Regulation of transmitter synthesis and release in mesolimbic dopaminergic nerve terminals. Effect of ethanol. Bustos G, et al. **Biochem Pharmacol** 1981 Aug 1;30(15):2157–64

Comparison of the release of [3H]dopamine from isolated corpus striatum by amphetamine, fenfluramine and unlabelled dopamine. Liang NY, et al. **Biochem Pharmacol** 1982 Mar 15;31(6):983–92

Dopamine influence on human uterine activity at term pregnancy. Urban J, et al. **Br J Obstet Gynaecol** 1982 Jun; 89(6):451–5

Neuronal localization of dopamine-sensitive adenylate cyclase within the rat olfactory tubercle. Church AC, et al. **Brain Res** 1982 Feb 25;234(2):369–76

Effects of sodium cyanide, dopamine and acetylcholine on the resting membrane potential of glomus cells in the rabbit. Matsumoto S, et al. **Brain Res** 1982 May 13;239(2):674–8

Excitatory effect of dopamine on oxytocin and vasopressin reflex releases in the rat. Moos F, et al. **Brain Res** 1982 Jun 10;241(2):249–60

Voltage-dependent current evoked by dopamine and octopamine in Aplysia. Pellmar TC. **Brain Res** 1981 Nov 2;223(2):448–54

Hypophysectomy induced hypersensitivity to dopamine: antagonism by estrogen. Perry KO, et al. **Brain Res** 1981 Dec 7;226(1–2):211–9

Dopamine blocks carrier-mediated release of GABA from retinal horizontal cells. Yazulla S, et al. **Brain Res** 1982 Feb 4;233(1):211–5

Effects of ventral tegmental area stimulation and microiontophoretic application of dopamine and norepinephrine on hypothalamic neurons. Barone FC, et al. **Brain Res Bull** 1981 Aug;7(2):181–93

Dopamine agonist-induced restoration of drinking in response to hypertonic saline in adipsic dopamine denervated rats. Dourish DT, et al. **Brain Res Bull** 1982 Apr;8(4):375–9

The effects of catecholamines on hemorrhagic shock in dogs. Sakahira K, et al. **Bull Tokyo Med Dent Univ** 1981 Dec; 28(4):125–34

Characterization of the dopamine stimulated adenylate cyclase in the pedal ganglia of Mytilus edulis: interactions with etorphine, beta-endorphin, DALA, and methionine enkephalin. Stefano GB, et al. **Cell Mol Neurobiol** 1981 Mar;1(1):57–68

Is aldosterone secretion under dopaminergic control? Campbell DJ, et al. **Circ Res** 1981 Dec;49(6):1217–27 (118 ref.)

A comparison of the cardiovascular, renal, and coronary effects of dopamine and monensin in endotoxic shock. Somani P, et al. **Circ Shock** 1981;8(4):451–64

Abolition, by dopamine blockade, of the natriuretic response produced by lower-body positive pressure. Bennett ED, et al. **Clin Sci** 1982 Oct;63(4):361–6

The effect of dietary sodium on the blood pressure response to dopamine infusion in the conscious rat. Obika LF, et al. **Clin Sci** 1982 Jul;63(1):93–6

Effects of dopamine of cerebral circulation and oxygen metabolism in endotoxic shock: an experimental study in dogs. Ekström-Jodal B, et al. **Crit Care Med** 1982 Jun; 10(6):375–7

Comparison of the effects of dobutamine, dopamine, and isoproterenol on hypoxic pulmonary vasoconstriction in the pig. Furman WR, et al. **Crit Care Med** 1982 Jun; 10(6):371–4

Total and hindlimb O2 uptake and blood flow in hypoxic dogs given dopamine. Jackson LK, et al. **Crit Care Med** 1982 May;10(5):327–31

Dilated fixed pupils due to administration of high doses of dopamine hydrochloride. Ong GL, et al. **Crit Care Med** 1981 Sep;9(9):658–9

Dopamine inhibits 32P incorporation into phosphatidylinositol in the anterior pituitary gland of the rat. Canonico PL, et al. **Endocrinology** 1982 Jul; 111(1):347–9

The 7315a pituitary tumor is refractory to dopaminergic inhibition of prolactin release but contains dopamine receptors. Cronin MJ, et al. **Endocrinology** 1981 Dec; 109(6):2160–6

Abolition of dopaminergic insulin secretion by beta-adrenergic antagonism. Cyrus J, et al. **Endocrinology** 1982 Jul;111(1):214–8

The effect of dopamine on thyrotropin-releasing hormone-induced prolactin secretion in vitro. Fagin KD, et al. **Endocrinology** 1981 Dec;109(6):1835–40

Direct effects of sex steroids on prolactin release at the anterior pituitary level: interactions with dopamine, thyrotropin-releasing hormone, and isobutylmethylxanthine. Giguère V, et al. **Endocrinology** 1982 Sep;111(3):857–62

Interactions of dopamine and thyrotropin-releasing hormone in the regulation of prolactin release in lactating rats. Plotsky PM, et al. **Endocrinology** 1982 Jul;111(1):168–73

Modulation by dopamine and estradiol of the central effects of angiotensin II on anterior pituitary hormone release. Steele MK, et al. **Endocrinology** 1982 Sep;111(3):722–9

Physiological concentrations of dopamine decrease adenosine 3',5'-monophosphate levels in cultured rat anterior pituitary cells and enriched populations of lactotrophs: evidence for a causal relationship to inhibition of prolactin release. Swennen L, et al. **Endocrinology** 1982 Aug; 111(2):398–405

Influence of dobutamine and dopamine on hemodynamics and plasma concentrations of noradrenaline and renin in patients with low cardiac output following acute myocardial infarction [letter] Kho TL, et al. **Eur J Clin Pharmacol** 1982;21(4):355–6

The effect of some anti-epilepsy drugs on enhancement of the monoamine-mediated behavioural responses following the administration of electroconvulsive shocks to rats. Bhavsar VH, et al. **Eur J Pharmacol** 1981 Sep 11; 74(2–3):243–7

Characterisation of the mechanisms by which purported dopamine agonists reduce spontaneous locomotor activity of mice. Costall B, et al. **Eur J Pharmacol** 1981 Jul 17; 73(2–3):175–88

Neuronal responses to iontophoretically applied dopamine, glutamate, and GABA of identified dopaminergic cells in the rat substantia nigra after kainic acid-induced destruction of the striatum. Scarnati E, et al. **Exp Brain Res** 1982;46(3):377–82

Caenorhabditis elegans: effects of 5-hydroxytryptophan and dopamine on behavior and development. Huang SP, et al. **Exp Parasitol** 1982 Aug;54(1):72–9

Hypothermic effect of dopamine and L-DOPA in the domestic fowl (Gallus domesticus). Wambebe C, et al. **Gen Pharmacol** 1981;12(5):335–8

Enhancement of blood pressure response to dopamine by angiotensin II. Perez-Olea J, et al. **Hypertension** 1981 Nov–Dec;3(6 Pt 2):II–138–41

Characterization of the dopaminergic regulation of human prolactin-secreting cells cultured on extracellular matrix. Bethea CL, et al. **J Clin Endocrinol Metab** 1982 May; 54(5):893–902

Evidence of dopamine receptors in human growth hormone (GH)-secreting adenomas with concomitant study of dopamine inhibition of GH secretion in a perifusion system. Bression D, et al. **J Clin Endocrinol Metab** 1982 Sep; 55(3):589–93

In vitro effect of dopamine on growth hormone (GH) release from human GH-secreting pituitary adenomas. Spada A, et al. **J Clin Endocrinol Metab** 1982 Oct;55(4):734–40

Dopamine stimulation of active Na and Cl absorption in rabbit ileum: interaction with alpha 2-adrenergic and specific dopamine receptors. Donowitz M, et al. **J Clin Invest** 1982 Apr;69(4):1008–16

Direct effects of thyrotropin-releasing hormone, cyproheptadine, and dopamine on adrenocorticotropin secretion from human corticotroph adenoma cells in vitro. Ishibashi M, et al. **J Clin Invest** 1981 Oct;68(4):1018–27

Dopaminergic inhibition of vasopressin-stimulated water flow in the toad bladder: evidence for local formation of dopamine. Arruda JA, et al. **J Membr Biol** 1982;68(2):89–96

Cyclic adenosine monophosphate modulation of contractility via slow Ca2+ channels in chick heart. Azuma J, et al. **J Mol Cell Cardiol** 1981 Jun;13(6):577–87

Electrophysiological and pharmacological study of the inotropic effects of adrenaline, dopamine and tryptamine on frog atrial fibres. Ondrago CO, et al. **J Mol Cell Cardiol** 1982 Feb;14(2):111–21

Dopamine inhibition of the release of endogenous acetylcholine from corpus striatum and cerebral cortex in tissue slices and synaptosomes: a presynaptic response? de Belleroche J, et al. **J Neurochem** 1982 Jul;39(1):217–22

Effect of guanine nucleotides on dopaminergic agonist and antagonist affinity for [3H]sulpiride binding sites in rat striatal membrane preparations. Freedman SB, et al. **J Neurochem** 1981 Sep;37(3):608–12

Postmortem stability of dopamine-sensitive adenylate cyclase, guanylate cyclase, ATPase, and GTPase in rat striatum. Nicol SE, et al. **J Neurochem** 1981 Dec; 37(6):1535–9

On the mechanism of the involvement of monoamine oxidase in catecholamine-stimulated prostaglandin biosynthesis in particulate fraction of rat brain homogenates: role of hydrogen peroxide. Seregi A, et al. **J Neurochem** 1982 Jan; 38(1):20–7

Dopamine action on hippocampal pyramidal cells. Benardo LS, et al. **J Neurosci** 1982 Apr;2(4):415–23

Neuronal cell surfaces: distinctive glycoproteins of cultured adrenergic and cholinergic sympathetic neurons. Braun SJ, et al. **J Neurosci** 1981 Dec;1(12):1397–406

Dopamine and [D-ALA2, D-Leu5]enkephalin inhibit the electrically stimulated neurohypophyseal release of

vasopressin in vitro: evidence for calcium-dependent opiate action. Lightman SL, et al. **J Neurosci** 1982 Jan;2(1):78–81

The effect of blood transfusion, dopamine, and gamma hydroxybutyrate on posttraumatic ischemia of the spinal cord. Dolan EJ, et al. **J Neurosurg** 1982 Mar;56(3):350–8

The cardiovascular effects of dopamine in the severely asphyxiated neonate. DiSessa TG, et al. **J Pediatr** 1981 Nov;99(5):772–6

Actions of dopamine and apomorphine on the vasoconstrictor responses of perfused mesenteric arteries of mouse, rat and rabbit. Anwar N, et al. **J Pharm Pharmacol** 1981 Mar; 33(3):150–4

Relevance of the rodent area postrema to dopamine-dependent behavioural effects. Costall B, et al. **J Pharm Pharmacol** 1981 Apr;33(4):257–9

The absence of sodium ions does not explain the failure of sulpiride to inhibit, in vitro, rat striatal dopamine-sensitive adenylate cyclase. Rupniak NM, et al. **J Pharm Pharmacol** 1981 Sep;33(9):602–3

Influence of deaminated metabolites on the relaxing effect of dopamine on dog saphenous vein. Teixeira F, et al. **J Pharm Pharmacol** 1981 Aug;33(8):529–33

Effect of dopamine and apomorphine on bone circulation. Tran MA. **J Pharmacol** 1981 Nov-Dec;12(4):417–26

Slowing effects of dopamine and calcium-channel blockers on frequency of sodium spikes in rat pars intermedia cells. Douglas WW, et al. **J Physiol (Lond)** 1982 May;326:201–11

Systemic and renal effects of dopamine in the infant pig. Vane DW, et al. **J Surg Res** 1982 May;32(5):477–83

Hemodynamic comparison of dopamine and dobutamine in the postoperative volume-loaded, pressure-loaded, and normal ventricle. DiSesa VJ, et al. **J Thorac Cardiovasc Surg** 1982 Feb;83(2):256–63

Hemodynamic and natriuretic responses to intravenous infusion of dopamine in patients with essential hypertension. Kikuchi K, et al. **Jpn Circ J** 1982 May; 46(5):486–93

Central and peripheral effects of dopamine on the renin-angiotensin-aldosterone system in conscious rats. Kondo K, et al. **Jpn Circ J** 1981 Sep;45(9):1121–5

Dopaminergic inhibition from substantia nigra of caudate neurons activated by cortical stimulation. Fujimoto S, et al. **Jpn J Pharmacol** 1981 Dec;31(6):1037–42

Influence of hypothyroid status on dopamine-induced positive chronotropic and inotropic effects on isolated rat atria. Hirano A, et al. **Jpn J Pharmacol** 1982 Apr; 32(2):221–30

Effect of acetazolamide on the secretion of pancreatic juice induced by dopamine in dogs. Iwatsuki K, et al. **Jpn J Pharmacol** 1981 Apr;31(2):292–4

Analysis of inhibitory and excitatory actions of dopamine on chemoreceptor discharges of carotid body of cat in vivo. Okajima Y, et al. **Jpn J Physiol** 1981;31(5):695–704

The convulsive effects of dopamine sulfate conjugates in rat brain. Buu NT, et al. **Life Sci** 1981 Nov 30;29(22):2311–6

Inhibitory effects of dopamine on high affinity glutamate uptake from rat striatum. Nieoullon A, et al. **Life Sci** 1982 Apr 5;30(14):1165–72

Comparison of the effects of dopamine and beta-adrenergic agonists on adenylate cyclase of renal glomeruli and striatum. Kotake C, et al. **Mol Pharmacol** 1981 Sep; 20(2):429–34

Ca2+-dependent regulation of rat caudate nucleus adenylate cyclase and effects on the response to dopamine. Piascik MT, et al. **Mol Pharmacol** 1981 Sep;20(2):319–25

Dopamine- and serotonin-sensitive adenylate cyclase in the fill of Aplysia californica. Weiss S, et al. **Mol Pharmacol** 1981 Nov;20(3):592–7

The inhibition by dopamine of cholinergic transmission in the isolated guinea-pig ileum. Mediation through alpha-adrenoceptors. Görich R, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1982 Mar; 318(4):308–12

Analysis of the effects of dopamine and noradrenaline in relation to the proposed postsynaptic dopamine receptor in rat vas deferens. Langeloh A, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1982 Feb; 318(3):202–9

Tissue specificity of dopamine effects on brain ATPases. Antonelli de Gómez de Lima M, et al. **Neurochem Res** 1981 Sep;6(9):969–77

Central effects of dopamine and bromocriptine on vasopressin release and blood pressure. Kimura T, et al. **Neuroendocrinology** 1981 Dec;33(6):347–51

Methadone blocks dopamine-mediated release of gonadotropins in rat hypothalamus. Singh HH, et al. **Neuroendocrinology** 1982;34(5):347–52

Chronic dopa feeding of mice [letter] Reches A, et al. **Neurology (NY)** 1982 Jun;32(6):684–5

Antipodal central effects of apomorphine and dopamine in chickens. Koc BA, et al. **Neuropharmacology** 1982 Mar; 21(3):249–60

Cardiovascular effects of intracerebroventricular injection of dopamine after selective MAO inhibition in rats. Pazos A, et al. **Neuropharmacology** 1982 Apr;21(4):317–22

The action of iontophoretically applied acetylcholine and dopamine on single claustrum neurones in the cat. Salerno MT, et al. **Neuropharmacology** 1981 Sep;20(9):895–9

Influence of cathinone (alpha-aminopropiophenone) and cathine (phenylpropanolamine) on circling behavior and on the uptake and release of [3H]dopamine in striatal slices of rats. Zelger JL, et al. **Neuropharmacology** 1981 Sep; 20(9):839–43

Cardiopulmonary response to dopamine in chronically catheterized neonatal lambs. Drummond WH, et al. **Pediatr Pharmacol (New York)** 1981;1(4):347–56

Effects of dopamine and dibutyryl cyclic adenosine monophosphate on delayed release of transmitter at the rat neuromuscular junction. Heinonen E. **Pflugers Arch** 1982 Apr;393(2):144–7

Biphasic locomotor response to intra-accumbens dopamine in a nonhuman primate. Jones DL, et al. **Pharmacol Biochem Behav** 1981 Aug;15(2):243–6

Dopamine induced changes in L-fucose incorporation into proteins of rat hippocampus and corpus striatum during postnatal development. Lössner B, et al. **Pharmacol Biochem Behav** 1981 Nov;15(5):705–9

Dynorphin-(1–13), dopamine and feeding in rats. Morley JE, et al. **Pharmacol Biochem Behav** 1982 May;16(5):701–5

Role of the dopaminergic system in luteinizing hormone release and ovulation in the hen. Johnson PA, et al. **Poult Sci** 1981 Nov;60(11):2551–6

Dopaminergic modulation of adenylate cyclase stimulation by vasoactive intestinal peptide in anterior pituitary. Onali P, et al. **Proc Natl Acad Sci USA** 1981 Oct;78(10):6531–4

Effects of dopamine and dopamine-derived tetrahydroisoquinolines on Ca++-Mg++-ATPase. Ross DH, et al. **Prog Clin Biol Res** 1982;90:289–99

Interactions between dopamine and prostaglandins on vascular reactivity to noradrenaline: dopamine inhibits the action of PGE1. Oka M, et al. **Prostaglandins Med** 1981 Oct;7(4):267–80

Interaction of beta-endorphin, naloxone and dopamine: effects on melanocyte-stimulating hormone secretion of amphibian pituitaries in vitro. Saland LC, et al. **Regul Pept** 1982 May;3(5–6):371–81

Evidence for the existence of a dopamine-sensitive adenylate cyclase in chick optic tectum. Nisticò G, et al. **Res Commun Chem Pathol Pharmacol** 1981 Sep; 33(3):387–93

Reversal of respiratory responses to dopamine after dopamine antagonists. Zapata P, et al. **Respir Physiol** 1982 Feb; 47(2):239–55

Supersensitivity to microiontophoretically applied dopamine and GABA in feline spinal trigeminal and hypoglossal neurons following chronic haloperidol. Felpel LP, et al. **Subst Alcohol Actions Misuse** 1980;1(5–6):473–8

Effect of dopamine on regional pulmonary perfusion. Isawa T, et al. **Tohoku J Exp Med** 1981 May;134(1):71–7

Effects of Peripheral monoamines on the monosynaptic reflex neuronal activity of acute spinal cats. Watanabe Y, et al. **Tokai J Exp Clin Med** 1981 Apr;6(2):207–16

Effect of hypotension on the results of kidney storage and the use of dopamine under these conditions. Grundmann R, et al. **Transplantation** 1981 Sep;32(3):184–7

[Effect of antihypertensives on the activity of lipoprotein lipase of cardiac tissue in rabbits, and normotonic and spontaneously hypertensive rats] Heinroth I, et al. **Acta Biol Med Ger** 1980;39(8–9):961–6 (Eng. Abstr.) (Ger)

[Age related alterations of motor behavior and release of dopaminergic supersensitivity in rats] Westermann KH, et al. **Acta Biol Med Ger** 1981;40(12):1737–43 (Eng. Abstr.) (Ger)

[Influence of butyrophenone-derivates on the increased renal blood flow by dopamine in dogs (author's transl)] Barke E. **DTW** 1981 Jun 5;88(6):225–8 (Eng. Abstr.) (Ger)

[Effects of dopamine and dobutamine on enflurane-induced depression of myocardial contractility (author's transl)] Kemmotsu O, et al. **Masui** 1981 Sep;30(9):948–53 (Eng. Abstr.) (Jpn)

[The role of the dopaminergic mechanism in the regulation of pituitary hormone secretion in women (author's transl)] Masaoka K. **Nippon Naibunpi Gakkai Zasshi** 1982 May 20; 58(5):742–57 (Eng. Abstr.) (Jpn)

[Effect of dopamine on the contractility of isolated blood vessels of the human placenta] Urban J, et al. **Ginekol Pol** 1981 Sep;52(9):757–62 (Eng. Abstr.) (Pol)

[Effect of dopamine and adenosine on uterine contractile capacity and on the state of the adrenergic system receptors] Urban J, et al. **Akush Ginekol (Mosk)** 1981 Oct; (10):54–5 (Rus)

[Role of sex hormones in realizing the monoamine effect on the luliberin content in the hypothalamus] Babichev VN, et al. **Biull Eksp Biol Med** 1982 May;93(5):18–20 (Eng. Abstr.) (Rus)

[Seasonal characteristics of the action of morphine and naloxone on the dopamine response of Helix neurons] Solntseva EI, et al. **Biull Eksp Biol Med** 1982 Apr; 93(4):19–21 (Eng. Abstr.) (Rus)

[Analysis of functional heterogeneity of rat forebrain dopamine-reactive structures] Iakimovskii AF. **Fiziol Zh SSSR** 1981 Sep;67(9):1317–23 (Eng. Abstr.) (Rus)

[Dynamics of dopamine-sensitivity of individual neurons in the preoptic area during the estrous cycle] Ignatkov VIa, et al. **Fiziol Zh SSSR** 1982 Mar;68(3):331–6 (Eng. Abstr.) (Rus)

[Estrogens as modulators of dopamine activity in the regulation of the gonadotropic function of the pituitary gland] Adamskaia EI, et al. **Probl Endokrinol (Mosk)** 1981 Sep-Oct;27(5):49–53 (Eng. Abstr.) (Rus)

[Respiratory effects of intracerebroventricular dopamine in the rat] Mediavilla A, et al. **Arch Farmacol Toxicol** 1981 Apr;7(1):73–6 (Spa)

PHYSIOLOGY

Influence of dopamine and dopaminergic agonists on relaxation of isolated rabbit ileum induced by sympathetic nerve stimulation. György L, et al. **Acta Physiol Acad Sci Hung** 1981;58(2):163–8

Interactions between GABA, dopamine, acetylcholine, and glutamate-containing neurons in the extrapyramidal and limbic systems. Bartholini G, et al. **Adv Biochem Psychopharmacol** 1981;30:119–28

Failure of bromocriptine to modify the response to metyrapone in normal subjects. de Rosa G, et al. **Ann Endocrinol (Paris)** 1981 Apr-Jun;42(2):153–7

Involvement of the dopaminergic system in the regulation of the caudate spindle in the rat. Kamata K, et al. **Arch Int Pharmacodyn Ther** 1982 Apr;256(2):228–35

Relaxation by dopaminergic agonists in cerebral and peripheral arteries (in vitro). Oudart N, et al. **Arch Int Pharmacodyn Ther** 1981 Aug;252(2):196–209

Effects of 1,3-bis(tetrahydro-2-furanyl)-5-fluoro-2,4-pyrimidinedio (FD 1) on the central nervous system: (2) Effects on nigro-striatal dopaminergic neurons. Toide K, et al. **Arch Int Pharmacodyn Ther** 1981 Jul;252(1):106–12

Locomotor hyperactivity and hypoexploration after lesion of the dopaminergic-A10 area in the ventral mesencephalic tegmentum (VMT) of rats. Gaffori O, et al. **Behav Brain Res** 1980 Aug;1(4):313–29

Interactions between D-ala-met-enkephalin, A10 dopaminergic neurones, and spontaneous behaviour in the rat. Kelley AE, et al. **Behav Brain Res** 1980 Feb;1(1):3–24

Hyperactivity and hypoactivity produced by lesions to the mesolimbic dopamine system. Koob GF, et al. **Behav Brain Res** 1981 Nov;3(3):341–59

Mouse neuroblastoma clone N1E-115: a suitable model for studying the action of dopamine agonists of tyrosine hydroxylase activity. Bräutigam M, et al. **Biochem Pharmacol** 1982 Apr 1;31(7):1279–82

The effects of dopamine agonists and antagonists on Na+,K+-ATPase and Mg2+-ATPase activities of synaptosomes. Sawas AH, et al. **Biochem Pharmacol** 1982 Apr 15;31(8):1531–3

Binding of [3H]ADTN to rat striatal membranes. Templeton WW, et al. **Biochem Pharmacol** 1982 Apr 15;31(8):1629–32

A fresh look at dopamine. Cools AR. **Biol Psychiatry** 1981 Oct;16(10):903–5

Intestinal pharmacomanometry and glucose tolerance: evidence for two antagonistic dopaminergic mechanisms in the human. Lechin F, et al. **Biol Psychiatry** 1981 Oct; 16(10):969–86

Conditioned dopaminergic activity. Schiff SR. **Biol Psychiatry** 1982 Feb;17(2):135–54

Dopamine-like properties of ephedrine in rat brain. Zarrindast MR. **Br J Pharmacol** 1981 Sep;74(1):119–22

Oestrogens, dopamine and mood [letter] Cookson J. **Br J Psychiatry** 1981 Oct;139:365–6

Positive and negative schizophrenia symptoms and the role of dopamine. Crow TJ. **Br J Psychiatry** 1981 Sep;139:251–4

Temperature regulation and dopaminergic systems in the brain: does the substantia nigra play a role? Brown SJ, et al. **Brain Res** 1982 Feb 25;234(2):275–86

Cerebral circulatory response to hypercapnia: effects of lesions of central dopaminergic and serotoninergic neuron systems. Dahlgren N, et al. **Brain Res** 1981 Dec 28; 230(1–2):221–33

Altered neuronal responsiveness to biogenic amines in rat cerebral cortex after serotonin denervation or depletion. Ferron A, et al. **Brain Res** 1982 Jan 7;231(1):93–108

Genetic variations in midbrain dopamine cell number: parallel with differences in responses to dopaminergic agonists and in naturalistic behaviors mediated by central dopaminergic systems. Fink JS, et al. **Brain Res** 1981 Oct 19;222(2):335–49

Changes in dopaminergic terminal excitability induced by amphetamine and haloperidol. Groves PM, et al. **Brain Res** 1981 Sep 28;221(2):425–31

Selective association of embryonic murine mesencephalic dopamine neurons in vitro. Hemmendinger LM, et al. **Brain Res** 1981 Oct 19;222(2):417–22

Amygdalar noradrenergic and dopaminergic mechanisms in the regulation of hunger and thirst-motivated behavior. Lénárd L, et al. **Brain Res** 1982 Feb 4;233(1):115–32

Involvement of the thalamus in the asymmetric effects of unilateral sensory stimuli on the two nigrostriatal dopaminergic pathways in the cat. Leviel V, et al. **Brain Res** 1981 Nov 2;223(2):257–72

Adaptation of retinal dopamine neuron activity in light-adapted rats to darkness. Proll MA, et al. **Brain Res** 1982 Jun 10;241(2):359–61

Response of nucleus accumbens neurons to amygdala stimulation and its modification by dopamine. Yim CY, et al. **Brain Res** 1982 May 13;239(2):401–15

Dopaminergic regulation of circadian rhythms of blood pressure, renin and aldosterone in essential hypertension. Sowers JR, et al. **Cardiovasc Res** 1982 Jun;16(6):317–23

Dopaminergic control of ketogenesis in fasting. Blesa-Malpica G, et al. **Clin Endocrinol (Oxf)** 1981 May; 14(5):479–84

Opiates inhibit the dopaminergic enhancement of the renal response to aldosterone in the rat. Adam WR, et al. **Clin Exp Pharmacol Physiol** 1981 Sep-Oct;8(5):549–52

Dopamine and the kidney. Lee MR. **Clin Sci** 1982 May;

62(5):439–48 (71 ref.)
Central dopaminergic mechanisms in young patients with essential hypertension. Kolloch RE, et al. **Clin Sci [Suppl]** 1981 Dec;61(7):231s–234s
Role of dopamine in the regulation of blood pressure and the renin–angiotensin–aldosterone system in conscious rats. Kondo K, et al. **Clin Sci [Suppl]** 1981 Dec; 61(7):235s–237s
Effects of age on dopaminergic supersensitivity induced by chronic fluphenazine. Misra CH, et al. **Commun Psychopharmacol** 1980;4(5):411–5
Activation of adenylate cyclase in rat striatum by an ergoline dopamine agonist, pergolide. Wong DT, et al. **Commun Psychopharmacol** 1980;4(4):269–75
Treatment of dopamine-dependent shock with triiodothyronine. Hesch RD, et al. **Endocr Res Commun** 1981;8(4):229–37
Dopamine and background adaptation in bullfrog tadpoles (Rana catesbeiana): a pharmacological and histofluorescence study. Miyakawa M, et al. **Endocrinol Jpn** 1982 Feb;29(1):105–11
Hormone ontogeny in the ovine fetus: XII. The dopaminergic regulation of growth hormone and chorionic somatomammotropin release. Marti-Henneberg C, et al. **Endocrinology** 1981 Nov;109(5):1355–9
Dopamine regulates canine plasma beta-endorphin-immunoreactivity levels. Sharp B, et al. **Endocrinology** 1982 May;110(5):1828–30
In vivo electrochemical detection of catechols in several dopaminergic brain regions of anaesthetized rats. Buda M, et al. **Eur J Pharmacol** 1981 Jul 17;73(1):61–8
Benzodiazepines suppress the light response of retinal dopaminergic neurons in vivo. Kamp CW, et al. **Eur J Pharmacol** 1982 Feb 5;77(4):343–6
Possible involvement of nigrostriatal dopamine system in the inhibition of thyrotropin secretion in the rat. Männistö P, et al. **Eur J Pharmacol** 1981 Dec 17;76(4):403–9
Modification of central serotonergic and dopaminergic behaviors in the course of chronic corticosteroid administration. Nausieda PA, et al. **Eur J Pharmacol** 1982 Mar 12;78(3):335–43
Dopaminergic mechanisms in diet-induced thermogenesis and brown adipose tissue metabolism. Rothwell NJ, et al. **Eur J Pharmacol** 1982 Jan 8;77(1):45–8
Kainic acid injections in the striatum alter the cataleptic and locomotor effects of drugs influencing dopaminergic and cholinergic systems. Sanberg PR, et al. **Eur J Pharmacol** 1981 Sep 24;74(4):347–57
Iron deficiency-induced circadian rhythm reversal of dopaminergic-mediated behaviours and thermoregulation in rats. Youdim MB, et al. **Eur J Pharmacol** 1981 Sep 24; 74(4):295–301
Dopamine neurones of the ventral tegmentum project to both medial and lateral habenula. Some implications for habenular function. Phillipson OT, et al. **Exp Brain Res** 1982;45(1–2):89–94
Effect of seizures kindled by subconvulsant doses of pentylenetetrazol on dopamine receptor binding and dopamine-sensitive adenylate cyclase in the rat. Gee KW, et al. **Exp Neurol** 1981 Oct;74(1):265–75
Learning deficits and brain monoamines in rats with congenital hyperbilirubinemia. Swenson RM, et al. **Exp Neurol** 1982 Jun;76(3):447–56
Dopaminergic mechanisms in thiophene-2-aldoxime tremor. Kurkjian R, et al. **Experientia** 1982 Jul 15;38(7):841–2
The role of descending monoaminergic systems in central control of blood pressure. Loewy AD, et al. **Fed Proc** 1981 Nov;40(13):2778–85
Hypothermia induced by dopamine agonists in mice: evidence for a gene with major effect. Lush IE. **Gen Pharmacol** 1981;12(5):397–403
Dopaminergic modulation of pressor and hormonal responses in essential hypertension. Sowers JR, et al. **Hypertension** 1982 May–Jun;4(3):424–30
Dopaminergic control of prolactin and blood pressure: altered control in essential hypertension. Sowers JR, et al. **Hypertension** 1982 May–Jun;4(3):431–7
Effect of ethosuximide on dopaminergically mediated behaviours. Jadhav JH, et al. **Indian J Physiol Pharmacol** 1981 Jul–Sep;25(3):274–8
Synaptic organization of the dopaminergic neurons in the retina of the cynomolgus monkey. Holmgren I. **Invest Ophthalmol Vis Sci** 1982 Jan;22(1):8–24
Acute dopaminergic inhibition of aldosterone secretion is independent of angiotensin II and adrenocorticotropin. Carey RM. **J Clin Endocrinol Metab** 1982 Feb;54(2):463–9
Dynamic tests of prolactin secretion in hyperprolactinemic states: carbidopa-L-dopa and indirectly acting dopamine agonists. Genazzani AR, et al. **J Clin Endocrinol Metab** 1982 Feb;54(2):429–35
Altered dopaminergic modulation of 18-hydroxycorticosterone secretion in idiopathic edema: therapeutic effects of bromocriptine. Sowers JR, et al. **J Clin Endocrinol Metab** 1982 Oct;55(4):749–59
Dopaminergic control of circadian norepinephrine levels in patients with essential hypertension. Sowers JR. **J Clin Endocrinol Metab** 1981 Dec;53(6):1133–7
The dopamine system challenge in affective disorders: a review of behavioral and neuroendocrine responses. Insel TR, et al. **J Clin Psychopharmacol** 1981 Jul;1(4):207–13 (79 ref.)
Evidence for the involvement of hypothalamic dopamine and thyrotrophin-releasing hormone in suckling-induced release of prolactin. de Greef WJ, et al. **J Endocrinol** 1981 Nov;91(2):213–23
Dopaminergic activity of substituted 6-chloro-1-phenyl-2,3,4,5-tetrahydro-1H-3-benzazepines Pfeiffer FR, et al. **J Med Chem** 1982 Apr;25(4):352–8
2-Amino-4,7-dimethoxyindan derivatives: synthesis and assessment of dopaminergic and cardiovascular actions. Sindelar RD, et al. **J Med Chem** 1982 Jul;25(7):858–64
Hypothalamic-pituitary dopaminergic function in hepatic failure in man. Lal S, et al. **J Neural Transm** 1982;53(1):7–21
Involvement of brain monoamines in the delta-9-tetrahydrocannabinol-induced reduction of hippocampal choline uptake. Lindamood C 3d, et al. **J Neurochem** 1981 Sep;37(3):788–91
Collateralization of monoamine neurons: mesotelencephalic dopamine projections to caudate, septum, and frontal cortex. Fallon JH. **J Neurosci** 1981 Dec;1(12):1361–8
Realization of a new multifiber electrochemical device allowing continuous in vivo measurements of neuromediators. Forni C. **J Neurosci Methods** 1982 Jan; 5(1–2):167–71
The activities of noradrenergic and dopaminergic neuron systems in experimental hydrocephalus. Miwa S, et al. **J Neurosurg** 1982 Jul;57(1):67–73
Phentolamine inhibition of rat seminal vesicle response to dopamine-mimetic drugs: alpha-adrenoceptor implication or lack of specificity? Castelli M, et al. **J Pharm Pharmacol** 1982 May;34(5):331–3
Stereoselective opiate antagonist induced hyperalgesia: evidence for a dopaminergic involvement. Gonzalez JP, et al. **J Pharm Pharmacol** 1982 May;34(5):334–6
Differential dose- and time-dependent effects of molindone on dopamine neurons of rat brain: mediation by irreversible inhibition of monoamine oxidase. Meller E, et al. **J Pharmacol Exp Ther** 1982 Mar;220(3):609–15
The role of dopamine and serotonin in the discriminative stimulus effects of lisuride. White FJ, et al. **J Pharmacol Exp Ther** 1982 May;221(2):421–7
Control of intermediate lobe peptide secretion. Smelik PG. **J Physiol (Paris)** 1981 Mar;77(8):935–7
Electroconvulsive therapy and the brain: evidence for increased dopamine-mediated responses. Costain DW, et al. **Lancet** 1982 Aug 21;2(8295):400–4
Evidence of serotonin-dopamine involvement in the inhibition of d-amphetamine stereotypy and appearance of stereotyped movements found respectively after acute and long-term treatment with morphine and methadone in rats. Cervo L, et al. **Life Sci** 1981 Dec 21;29(25):2585–91
Increase in rat striatal acetylcholine content by bromocriptine: evidence for an indirect dopaminergic action. Consolo S, et al. **Life Sci** 1981 Aug 3;29(5):457–65
Changes in pituitary hormone levels induced by met-enkephalin in man—the role of dopamine. Delitala G, et al. **Life Sci** 1981 Oct 12;29(15):1537–44
The influence of beta-LPH fragments on alpha-MSH release: the involvement of a dopaminergic system. de Rotte AA, et al. **Life Sci** 1981 Aug 24;29(8):825–32
Mesencephalic dopaminergic unit activity in the behaviorally conditioned rat. Miller JD, et al. **Life Sci** 1981 Sep 21; 29(12):1255–63
Dopamine-mimetic and antagonist drugs: diagnostic and therapeutic applications in endocrine disorders. Müller EE, et al. **Life Sci** 1981 Aug 31;29(9):867–83 (68 ref.)
GABA in the entopeduncular nucleus and the subthalamic nucleus participates in mediating dopaminergic striatal output functions. Scheel-Krüger J, et al. **Life Sci** 1981 Oct 12;29(15):1555–62
Single unit activity of dopaminergic neurons in freely moving cats. Steinfels GF, et al. **Life Sci** 1981 Oct 5;29(14):1435–42
Noradrenaline and dopamine interaction in rat brain during development. Ponzio F, et al. **Med Biol** 1981 Jun; 59(3):161–9
Manic depression—a disorder of central dopaminergic rhythm. Skutsch GM. **Med Hypotheses** 1981 Jun; 7(6):737–46
A dopamine-acetylcholine link in the caudate-putamen complex which mediates metabolic rate. Ho LT, et al. **Metabolism** 1982 Aug;31(8):791–6
Dynamic utilization of GABA in substantia nigra: regulation by dopamine and GABA in the striatum, and its clinical and behavioral implications. Gale K, et al. **Mol Cell Biochem** 1981 Sep 25;39:369–405 (180 ref.)
Unique response to antipsychotic drugs is due to absence of terminal autoreceptors in mesocortical dopamine neurones. Bannon MJ, et al. **Nature** 1982 Apr 1; 296(5856):444–6
Dopamine modulates a Ca2+-activated potassium conductance in mammalian hippocampal pyramidal cells. Benardo LS, et al. **Nature** 1982 May 6;297(5861):76–9
Specific stimulation of in vitro maturation of mesencephalic dopaminergic neurones by striatal membranes. Prochiantz A, et al. **Nature** 1981 Oct 15–21;293(5833):570–2
Non-dopaminergic fibres may regulate dopamine-sensitive adenylate cyclase in the prefrontal cortex and nucleus accumbens. Tassin JP, et al. **Nature** 1982 Feb 25; 295(5851):696–8
Motor effects following application of putative excitatory amino acid antagonists to the region of the mesencephalic dopamine cell bodies in the rat. Dawbarn D, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1981 Dec; 318(2):100–4
Effects of piracetam on the central dopaminergic transmission. Rägo LK, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1981 Dec; 318(1):36–7
Effect of two indirectly acting dopamine agonists on prolactin secretion in normo- and hyperprolactinemic subjects: comparison with the effect of nomifensine. Camanni F, et al. **Neuroendocrinology** 1981 Nov; 33(5):300–5
Sexual differences in the sensitivity of tuberoinfundibular dopamine neurons to the actions of prolactin. Demarest KT, et al. **Neuroendocrinology** 1981;33(4):230–4
Effect of alpha-melanocyte-stimulating hormone on basal and stimulated release of prolactin: evidence for dopaminergic mediation. Khorram O, et al. **Neuroendocrinology** 1982 Jun;34(6):433–7
Evidence for a possible dopaminergic control of pituitary alpha-MSH during ontogenesis in mice. Schmitt G, et al. **Neuroendocrinology** 1981 Nov;33(5):306–11
Dopaminergic mechanism in generalized photosensitive epilepsy. Quesney LF, et al. **Neurology (NY)** 1981 Dec; 31(12):1542–4
The use of dopamine agonists in the treatment of schizophrenia. Corsini GU, et al. **Neuropharmacology** 1981 Dec;20(12B):1309–13
Behavioural and biochemical consequences of persistent overstimulation of mesolimbic dopamine systems in the rat. Costall B, et al. **Neuropharmacology** 1982 Apr;21(4):327–35
Repeated administration of triiodothyronine (T3) to rats enhances nigrostriatal and mesolimbic dopaminergic behavioural responses. Heal DJ, et al. **Neuropharmacology** 1982 Feb;21(2):159–62
Increased sensitivity to dopaminergic agonists after repeated electroconvulsive shock (ECS) in rats. Wielosz M. **Neuropharmacology** 1981 Oct;20(10):941–5
Correlation between the rate of avoidance conditioning and the brain catecholamine level in rats. Saul'skaya NB. **Neurosci Behav Physiol** 1981 May–Jun;11(3):221–6
Brain levels of noradrenalin, dopamine, and serotonin in rats with different levels of motor activity. Semenova TP, et al. **Neurosci Behav Physiol** 1981 Mar–Apr;11(2):153–5
Two types of dopaminergic nerve terminals in the rat neostriatum. An ultrastructural study. Kaiya H, et al. **Neurosci Lett** 1981 Sep 25;25(3):251–6
The role of dopamine in pontine intracranial self-stimulation: a re-examination of the problem. Mitchell MJ, et al. **Neurosci Lett** 1981 Oct 23;26(2):169–75
Amphetamine neurotoxicity on dopamine nerve terminals in the caudate nucleus of mice. Nwanze E, et al. **Neurosci Lett** 1981 Oct 23;26(2):163–8
Histochemical evidence for a catecholaminergic (presumably dopaminergic) projection from the ventral mesencephalic tegmentum to visual cortex in the cat. Törk I, et al. **Neurosci Lett** 1981 Jul 17;24(3):215–9
Dopamine as a postganglionic autonomic neurotransmitter. Bell C. **Neuroscience** 1982 Jan;7(1):1–8 (60 ref.)
Long-term development of mesencephalic dopaminergic neurons of mouse embryos in dissociated primary cultures: morphological and histochemical characteristics. Berger B, et al. **Neuroscience** 1982 Jan;7(1):193–205
Involvement of the thalamus in the reciprocal regulation of the two nigrostriatal dopaminergic pathways. Chéramy A, et al. **Neuroscience** 1981;6(12):2657–68
Functional validation of projection topography in the nigrostriatal dopamine system. Redgrave P, et al. **Neuroscience** 1982 Apr;7(4):885–94
Time of injection determines the effect of alpha-MSH antiserum on DA neurons in psychological stress. Monnet F, et al. **Peptides (Fayetteville)** 1981 Summer;2(2):227–9
Linkage of the brain–skin–gut axis: islet cells originate from dopaminergic precursors. Teitelman G, et al. **Peptides (Fayetteville)** 1981;2 Suppl 2:157–68
Effects of TRH and PS-24 on colonic temperature and motor activity of rats: possible role of dopamine. Yehuda S, et al. **Peptides (Fayetteville)** 1981 Summer;2(2):131–5
Modification of d-amphetamine- or chlorpromazine-induced hypothermia by beta-endorphin, MIF-I, and alpha-MSH: mediation by the dopaminergic system. Yehuda S, et al. **Peptides (Fayetteville)** 1982 Mar–Apr;3(2):105–10
Prolactin induces grooming in the rat: possible involvement of nigrostriatal dopaminergic system. Drago F, et al. **Pharmacol Biochem Behav** 1981 Jul;15(1):61–3
Neonatal lead exposure: effects on development of behavior and striatal dopamine neurons. Jason KM, et al. **Pharmacol Biochem Behav** 1981 Oct;15(4):641–9
Serotonergic and dopaminergic effects of yawning in the cat. Marini JL. **Pharmacol Biochem Behav** 1981 Nov; 15(5):711–5
Infant rat hyperactivity elicited by home cage bedding is unaffected by neonatal telencephalic dopamine or norepinephrine depletion. Pappas BA, et al. **Pharmacol Biochem Behav** 1982 Jan;16(1):151–4
The role of neurotransmitters in stress-induced antinociception (SIA). Snow AE, et al. **Pharmacol Biochem Behav** 1982 Jan;16(1):47–50
The dopaminergic mediation of a sweet reward in normal and VMH hyperphagic rats. Xenakis S, et al. **Pharmacol Biochem Behav** 1982 Feb;16(2):293–302
Long-term effect of kainic acid on striatal dopaminergic neurons. Tissari AH, et al. **Pharmacol Res Commun** 1982 Jan;14(1):83–9
Effects of dopamine-depleting brain lesions on experimental

hyperphagia in rats. Rowland N, et al. **Physiol Behav** 1982 Feb;28(2):271–7

Effects on central dopaminergic systems of d–coclaurine and d–reticuline, extracted from Magnolia salicifolia. Watanabe H, et al. **Planta Med** 1981 Jul;42(3):213–22

Central action of narcotic analgesics. VIII. The effect of dopaminergic stimulants on the action of analgesics in rats. Malec D, et al. **Pol J Pharmacol Pharm** 1981 Oct; 33(3):273–82

Effects of nootropic drugs on dopaminergic systems in the CNS. Westermann KH, et al. **Pol J Pharmacol Pharm** 1981 Nov;33(4):431–6

Direct demonstration of a correspondence between the dopamine islands and acetylcholinesterase patches in the developing striatum. Graybiel AM, et al. **Proc Natl Acad Sci USA** 1981 Sep;78(9):5871–5

Isolated horizontal cells from carp retina demonstrate dopamine–dependent accumulation of cyclic AMP. Van Buskirk R, et al. **Proc Natl Acad Sci USA** 1981 Dec; 78(12):7825–9

Failure of apomorphine to induce dopaminergic hypersensitivity: a replication. Flemenbaum A. **Prog Clin Biol Res** 1981;68:143–9

Neuroendocrine control of prolactin secretion. Libertun C, et al. **Prog Clin Biol Res** 1982;87:131–52 (40 ref.)

Effects of baclofen on dopamine–dependent behaviors in mice. Balsara JJ, et al. **Psychopharmacology (Berlin)** 1981; 75(4):396–9

A comparison of some behavioural effects of amphetamine and electrical brain stimulation of the mesolimbic dopamine system in rats. D'Mello GD. **Psychopharmacology (Berlin)** 1981;75(2):184–92

Increased intracranial self–stimulation in rats after long–term administration of desipramine. Fibiger HC, et al. **Science** 1981 Nov 6;214(4521):683–5

Evidence for endogenous dopaminergic control of GH release in man. Hanew K, et al. **Tohoku J Exp Med** 1981 Sep;135(1):103–8

[Dopamine and pituitary hormones. Physiology and pathology (author's transl)] Saltiel H, et al. **Ann Endocrinol (Paris)** 1981 Dec;42(6):497–516 (81 ref.) (Eng. Abstr.) **(Fre)**

[Implication of anterior hypothalamic dopamine in the regulation of arterial pressure] Elghozi JL, et al. **Arch Mal Coeur** 1982 Jun;75 Spec No:59–62 (Eng. Abstr.) **(Fre)**

[Dopamine, agonists and antagonists (author's transl)] Gerardy J. **J Pharm Belg** 1981 Jul–Aug;36(4):255–62 (Eng. Abstr.) **(Fre)**

[Dopaminergic hypersensitivity in migraine: a diagnostic test? (author's transl)] Bès A, et al. **Nouv Presse Med** 1982 Apr 24;11(19):1475–8 (Eng. Abstr.) **(Fre)**

[Neuropharmacologic control of the secretion of hypophyseal hormones in man: dopamine, noradrenaline, serotonin. Clinical implications] Martin–du Pan R, et al. **Schweiz Arch Neurol Neurochir Psychiatr** 1982; 130(1):105–43 (Eng. Abstr.) **(Fre)**

[Various aspects of the neuro–autonomic control of renal function, with special reference to water and salt depletion] Agnoli GC, et al. **Boll Soc Ital Cardiol** 1980;25(9):1115–39 **(Ita)**

[Acupuncture and dopamine] Cocchi R. **Minerva Med** 1982 Jul 31;73(30–31):2027–30 (Eng. Abstr.) **(Ita)**

[Biogenic amines and thyrotropin–releasing hormone (TRH) (author's transl)] Narumi S, et al. **Tanpakushitsu Kakusan Koso** 1981 Aug;26(11):1702–7 (29 ref.) **(Jpn)**

[Role of catecholamines in primary hypertension – a still unsolved problem] Chodakowska J, et al. **Kardiol Pol** 1981; 24(10):665–73 **(Pol)**

[Changes in the level of catecholamines in norepinephrine–producing structures of the brain of rats subjected to immobilization] Belova TI, et al. **Biull Eksp Biol Med** 1982 Feb;93(2):8–9 (Eng. Abstr.) **(Rus)**

[Pharmacologic evidence for the existence of dopaminergic interneurons in the spinal cord of rats] Abramets II, et al. **Fiziol Zh** 1982 Mar–Apr;28(2):170–4 (Eng. Abstr.) **(Rus)**

[Participation of the thymus in effecting the modulating influence of the dopaminergic system on immunogenesis] Al'perina EL. **Vestn Akad Med Nauk SSSR** 1981;(5):30–3 (Eng. Abstr.) **(Rus)**

[Neurochemical pharmacology: current problems and prospects] Raevskii KS. **Vestn Akad Med Nauk SSSR** 1982; (5):64–9 (42 ref.) (Eng. Abstr.) **(Rus)**

POISONING

Dopamine overdosage in an infant [letter] Hurt H, et al. **Crit Care Med** 1982 Jul;10(7):488

SECRETION

Dopamine release induced by electrical field stimulation of rat hypothalamus in vitro: inhibition by melatonin. Zisapel N, et al. **Biochem Biophys Res Commun** 1982 Feb 26; 104(4):1610–6

Comparison of the release of [3H]dopamine from isolated corpus striatum by amphetamine, fenfluramine and unlabelled dopamine. Liang NY, et al. **Biochem Pharmacol** 1982 Mar 15;31(6):983–92

A role for striatal beta–adrenergic receptors in the regulation of dopamine release. Reisine TD, et al. **Brain Res** 1982 Jun 3;241(1):123–30

Enhancement of [3H]dopamine release and its [3H]metabolites in rat striatum by nicotinic drugs. Sakurai Y, et al. **Brain Res** 1982 Jun 17;242(1):99–106

Sex–related difference in the release of dopamine into hypophysial portal blood. Gudelsky GA, et al. **Endocrinology** 1981 Nov;109(5):1394–8

The decrease in hypothalamic dopamine secretion induced by suckling: comparison of voltammetric and radioisotopic methods of measurement. Plotsky PM, et al. **Endocrinology** 1982 Mar;110(3):691–6

Stereoselectivity of presynaptic autoreceptors modulating dopamine release. Arbilla S, et al. **Eur J Pharmacol** 1981 Dec 17;76(4):345–51

In vivo dopamine release from the anterior hypothalamus of the rat. Elghozi JL, et al. **Eur J Pharmacol** 1981 Jul 17;73(2–3):199–208

Effect of superficial radial nerve stimulation on the activity of nigro–striatal dopaminergic neurons in the cat: role of cutaneous sensory input. Nieoullon A, et al. **J Neural Transm** 1982;53(2–3):133–46

Unstimulated and amphetamine–stimulated release of endogenous noradrenaline and dopamine from rat brain in vivo. Philips SR, et al. **J Neurochem** 1982 Apr; 38(4):1106–10

Potassium evoked catecholamine release from the nucleus tractus solitarius in vitro. Thoa NB, et al. **Life Sci** 1982 Apr 26;30(17):1479–85

Presynaptic receptors and modulation of the release of noradrenaline, dopamine and GABA. Langer SZ, et al. **Postgrad Med J** 1981;57 Suppl 1:18–29 (111 ref.)

[Dopamine–secreting phaeochromocytoma. A little known clinical and biochemical entity (author's transl)] Fossati P, et al. **Nouv Presse Med** 1982 May 8;11(21):1607–10 (Eng. Abstr.) **(Fre)**

[Dopamine secretion from the adrenal medulla during hypotension induced by hemorrhage in dogs (author's transl)] Ohmiya T, et al. **Nippon Yakurigaku Zasshi** 1982 Feb 1;79(2):77–84 (Eng. Abstr.) **(Jpn)**

THERAPEUTIC USE

Acute endotoxin shock in the dog and an attempt at its therapy. Vyhnánek F. **Acta Univ Carol [Med Monogr] (Praha)** 1979;94:1–114 (371 ref.)

Comparative hemodynamic effects of dopamine and dobutamine in patients with acute cardiogenic circulatory collapse. Francis GS, et al. **Am Heart J** 1982 Jun; 103(6):995–1000

Endotoxic shock in the primate: some effects of dopamine administration. Rao PS, et al. **Am J Obstet Gynecol** 1982 Sep 1;144(1):61–6

Comparison of dopamine and dobutamine following coronary artery bypass grafting. Salomon NW, et al. **Ann Thorac Surg** 1982 Jan;33(1):48–54

Comparison of dopamine, dobutamine, and epinephrine in CPR. Otto CW, et al. **Crit Care Med** 1981 Sep;9(9):640–3

Dopamine administration in oliguria and oliguric renal failure. Parker S, et al. **Crit Care Med** 1981 Sep;9(9):630–2

Dopamine in the early recovery phase of acute ischemic renal failure in rats. Goldfarb D, et al. **Isr J Med Sci** 1981 Nov; 17(11):1069–71

Comparison of the effects of dopamine, hydralazine, and isosorbide dinitrate on myocardial hemodynamics in patients with refractory heart failure. Biddle TL, et al. **J Clin Pharmacol** 1981 Aug–Sep;21(8–9):343–50

Compared efficacy of dobutamine and dopamine in association with calcium chloride on termination of cardiopulmonary bypass. d'Hollander A, et al. **J Thorac Cardiovasc Surg** 1982 Feb;83(2):264–71

Dopamine treatment of human cadaver kidney graft recipients: a prospectively randomized trial. Grundmann R, et al. **Klin Wochenschr** 1982 Feb 15;60(4):193–7

[Use of dopamin (hydroxytyramine) in urosepsis of septic shock (author's transl)] Faul P, et al. **Urologe [Ausg A]** 1981 Mar;20(2):98–101 (Eng. Abstr.) **(Ger)**

[Electrophysiologic effects of dopamine on the cardiac conduction system (author's transl)] Bischoff KO, et al. **Z Kardiol** 1981 Sep;70(9):643–51 (Eng. Abstr.) **(Ger)**

[Evaluation of the dopamine induced hypertension therapy for vasospasm (author's transl)] Haraguchi S, et al. **No Shinkei Geka** 1982 Mar;10(3):279–89 (Eng. Abstr.) **(Jpn)**

[Poisoning with tricyclic antidepressive agents. Treatment of severe hypotension with dopamine] Rygnestad TK. **Tidsskr Nor Laegeforen** 1981 Nov 20;101(32):1825–7 (Eng. Abstr.) **(Nor)**

URINE

Effect of low–dose clorgyline on 24–hour urinary monoamine excretion in patients with rapidly cycling bipolar affective disorder. Linnoila M, et al. **Arch Gen Psychiatry** 1982 May; 39(5):513–6

Effects of L–DOPA on the excretion of alcoholic metabolites of catecholamines and trace amines in rat and human urine. Edwards DJ, et al. **Biochem Med** 1981 Apr;25(2):135–48

Renal conversion of plasma DOPA to urine dopamine [letter] Brown MJ, et al. **Br J Clin Pharmacol** 1981 Aug; 12(2):251–3

Urine dopamine in normal and hypertensive pregnancies. Perkins CM, et al. **Br J Obstet Gynaecol** 1982 Feb; 89(2):123–7

Urinary free catecholamines determined by liquid chromatography—fluorometry. Anderson GM, et al. **Clin Chem** 1981 Dec;27(12):2060–3

Simultaneous fluorometry of urinary dopamine, norepinephrine, and epinephrine compared with liquid chromatography with electrochemical detection. Oka K, et al. **Clin Chem** 1982 Apr;28(4 Pt 1):646–9

Use of alumina, sephadex G10, and ion–exchange columns to purify samples for determination of epinephrine, norepinephrine, dopamine, homovanillic acid, and 5–hydroxyindoleacetic acid in urine. Westerink BH, et al. **Clin Chem** 1982 Aug;28(8):1745–8

Effect of inhibition of prostaglandin synthesis on urinary free dopamine excretion in women. Güllner HG, et al. **Clin Sci** 1982 Feb;62(2):209–13

Urine free dopamine in normal primigravid pregnancy and women taking oral contraceptives. Perkins CM, et al. **Clin Sci** 1981 Oct;61(4):423–8

Gas chromatographic method for the simultaneous determination of dopamine and norepinephrine metabolites. Chauhan MS, et al. **J Chromatogr** 1982 Feb 12; 227(2):323–30

Quantitative determination of 5–S–cysteinyldopa, dopa and dopamine in the urine by means of high–performance liquid chromatography. A comparison with data obtained by means of fluorometry. Morishima T, et al. **J Dermatol (Tokyo)** 1981 Aug;8(4):301–4

Dopamine–norepinephrine interaction in hyperactive boys treated with d–amphetamine. Shekim WO, et al. **J Pediatr** 1982 May;100(5):830–4

Work–stress and urinary catecholamines excretion in shift workers exposed to noise. II: Dopamine (DA). Cesana GC, et al. **Med Lav** 1982 Mar–Apr;73(2):110–7

Free dopamine excretion in disorders with increased prostaglandin synthesis. Güllner HG. **Prostaglandins Leukotrienes Med** 1982 Jun;8(6):545–51

[Peripheral dopamine in spontaneous hypertension (author's transl)] Niwa M, et al. **Tanpakushitsu Kakusan Koso** 1981 Aug;26(11):1880–3 **(Jpn)**

DOPAMINE BETA–HYDROXYLASE

ANALYSIS

Increase in noradrenaline–synthesizing enzyme activity in medulla oblongata in Parkinson's disease. Kopp N, et al. **Acta Neuropathol (Berl)** 1982;56(1):17–21

Regional distribution of noradrenaline and dopamine–beta–hydroxylase in the brain of spontaneously hypertensive rats. Elghozi JL, et al. **Clin Exp Hypertens [A]** 1982;4(3):461–75

Cerebrospinal fluid and plasma dopamine–beta–hydroxylase activity in human hypertension. Cubeddu LX, et al. **Hypertension** 1981 Jul–Aug;3(4):448–55

ANTAGONISTS & INHIBITORS

Dopamine beta–hydroxylase inhibition in a patient with Wilson's disease and manic symptoms. Pandey RS, et al. **Am J Psychiatry** 1981 Dec;138(12):1628–9

BLOOD

Effect of linoleic acid–rich diet on blood pressure, lipids, catecholamines, and dopamine –beta–hydroxylase in spontaneously hypertensive rats. Singer P, et al. **Acta Biol Med Ger** 1982;41(2–3):215–25

Plasma dopamine–beta–hydroxylase activity during labour in women. Wasilewska E, et al. **Acta Physiol Pol** 1981 Jul–Aug;32(4):399–405

Comparison of MAO, D beta H, and COMT activities in chronic schizophrenics selected on the basis of nailfold capillary pattern. Dunlop SR, et al. **Acta Psychiatr Scand** 1981 Nov;64(5):409–14

Family studies of plasma dopamine–beta–hydroxylase thermal stability. Dunnette J, et al. **Am J Hum Genet** 1982 Jan;34(1):84–99

Biochemical differences in children with conduct disorder socialized and undersocialized. Rogeness GA, et al. **Am J Psychiatry** 1982 Mar;139(3):307–11

Plasma copper and dopamine–beta–hydroxylase in schizophrenia. Baron M, et al. **Biol Psychiatry** 1982 Jan; 17(1):115–20

Variation in thermal stability of human plasma dopamine–beta–hydroxylase. Baron M, et al. **Biol Psychiatry** 1982 May;17(5):621–6

An effect of neuroleptic medication on plasma dopamine–beta–hydroxylase activity. DeLisi LE, et al. **Biol Psychiatry** 1981 Sep;16(9):873–8

Dopamine–beta–hydroxylase response to epinephrine injection in anxious patients and normals. Mathew RJ, et al. **Biol Psychiatry** 1982 Mar;17(3):393–7

Serum dopamine–beta–hydroxylase in manic–depressive psychosis [letter] Ikeda Y, et al. **Br J Psychiatry** 1982 Feb; 140:209–10

Plasma dopamine beta–hydroxylase activity in a North Swedish isolate with a high frequency of schizophrenia. Ross SB, et al. **Clin Genet** 1981 May;19(5):415–7

Thermal stability and the biochemical genetics of erythrocyte catechol–O–methyl–transferase and plasma dopamine–beta–hydroxylase. Weinshilboum R, et al. **Clin Genet** 1981 May;19(5):426–36

Comparison of midday serum dopamine-beta-hydroxylase activity in depressed patients and normal controls. Nasr S, et al. **Commun Psychopharmacol** 1980;4(4):263-7

Alterations in plasma dopamine-beta-hydroxylase and catecholamine concentrations during surgical removal of pheochromocytoma. Wocial B, et al. **Endokrinologie** 1982 Feb;79(1):131-9

Palmar skin potential reflex and serum dopamine-beta-hydroxylase activity of the aged. Nomura S, et al. **Folia Psychiatr Neurol Jpn** 1981;35(1):3-9

Relationships between blood pressure and plasma renin, aldosterone and dopamine-beta-hydroxylase in the elderly. Studies in patients over 70 years of age. Annat G, et al. **Gerontology** 1981;27(5):266-70

Longitudinal assessment of MAO-, COMT-, and DBH-activity in patients with bipolar depression. Fähndrich E, et al. **Int Pharmacopsychiatry** 1982;17(1):8-17

Assay for dopamine beta-hydroxylase in rat serum and adrenal medulla by high-performance liquid chromatography with fluorescence detection. Nohta H, et al. **J Chromatogr** 1982 Feb 12;227(2):415-22

Changes in serum dopamine-beta-hydroxylase activity during cold pressor test in subjects with high and low basal activity of this enzyme. Laurian L, et al. **J Neural Transm** 1982;53(2-3):127-32

Circulating dopamine-beta-hydroxylase in the rat: importance of altered disposal pathways in experimental diabetes. Hurst JH, et al. **J Pharmacol Exp Ther** 1982 Jan; 220(1):108-14

Effects of chemical sympathectomy on the increases in plasma catecholamines and dopamine-beta-hydroxylase induced by forced immobilization and insulin-induced hypoglycemia: origin and fate of plasma dopamine-beta-hydroxylase. Israel AS, et al. **J Pharmacol Exp Ther** 1982 Jun;221(3):577-83

Catecholamine and dopamine-beta-hydroxylase in anxiety. Mathew RJ, et al. **J Psychosom Res** 1981;25(6):499-504

Effects of prolonged disulfiram treatment on plasma dopamine-beta-hydroxylase activity in rhesus monkeys. Major LF, et al. **J Stud Alcohol** 1982 Jan;43(1):146-52

Radioimmunoassay and immunotitration of human serum dopamine beta-hydroxylase. Dunnette J, et al. **Methods Enzymol** 1981;74 Pt C:370-80

Neuroendocrine study of the mechanism of action of electroconvulsive therapy. Arató M, et al. **Neuropsychobiology** 1982;8(3):162-8

Plasma dopamine-beta-hydroxylase activity in spasmodic torticollis. A sibship study. Friedman H, et al. **Neuropsychobiology** 1981;7(5):238-42

Depression, antidepressants, and plasma DBH. Mathew RJ, et al. **Psychiatry Res** 1981 Dec;5(3):331-4

Dopamine-beta-hydroxylase and its apparent endogenous inhibitory activity in the plasma of some psychiatric patients. Yu PH, et al. **Psychiatry Res** 1980 Oct;3(2):205-10

Catecholamine-thyroid hormone interactions: III. Serum DBH activity and thyroxine in euthyroid subjects. Young JG, et al. **Schizophr Bull** 1982;8(2):306-9

[The dopamine theory of schizophrenia: reduced serum dopamine beta hydroxylase activity in paranoid schizophrenia (letter)] Lipcsey A. **Orv Hetil** 1981 Feb 22; 122(8):483 **(Hun)**

[Dopamine 17-beta-hydroxylase in chronic uremic patients under periodic hemodialytic treatment] Cagossi M, et al. **Chir Patol Sper** 1979 Dec;27(6):579-89 (Eng. Abstr.) **(Ita)**

[An epidemiological study of the relationship between serum dopamine-beta-hydroxylase activity and urinary noradrenaline, and their relationship to blood pressure in women living in a rural area (author's transl)] Katsuno S, et al. **Nippon Eiseigaku Zasshi** 1982 Feb;36(6):844-52 (Eng. Abstr.) **(Jpn)**

[Comparative studies of urinary electrolyte excretion, the renin-angiotensin-aldosterone system and plasma dopamine-beta-hydroxylase activity in patients with idiopathic edema and normal subjects during the menstrual cycle (author's transl)] Mikami K, et al. **Nippon Naibunpi Gakkai Zasshi** 1981 May 20;57(5):826-32 (Eng. Abstr.) **(Jpn)**

[Effect of lithium carbonate on serum dopamine beta-hydroxylase activity in endogenous depression] Grabowska M, et al. **Folia Med Cracov** 1980;22(3-4):419-24 (Eng. Abstr.) **(Pol)**

[Effect of Craviten on blood dopamine beta-hydroxylase activity] Grabowska M, et al. **Folia Med Cracov** 1980; 22(3-4):359-66 **(Pol)**

[Dopamine-beta-hydroxylase activity, aldosterone level, and plasma renin activity in patients with essential hypertension during exposure to physical load (author's transl)] Ondrejička M, et al. **Bratisl Lek Listy** 1982 Mar; 77(3):270-80 (Eng. Abstr.) **(Slo)**

CEREBROSPINAL FLUID

Dopamine beta-hydroxylase activity in human cerebrospinal fluid from various age groups [letter] Fujita K, et al. **Clin Chem** 1982 Jun;28(6):1403-4

Schizophrenia: dopamine beta-hydroxylase activity and treatment response. Sternberg DE, et al. **Science** 1982 Jun 25;216(4553):1423-5

GENETICS

Segregation and linkage studies of plasma dopamine-beta-hydroxylase (DBH), erythrocyte catechol-O-methyltransferase (COMT), and platelet monoamine oxidase (MAO): possible linkage between the ABO locus and a gene controlling DBH activity. Goldin LR, et al. **Am J Hum Genet** 1982 Mar;34(2):250-62

Regulation and inheritance of dopamine-beta-hydroxylase. Stolk JM, et al. **Behav Genet** 1982 Feb;12(1):37-52

Proliferation and distribution of cells that transiently express a catecholaminergic phenotype during development in mice and rats. Teitelman G, et al. **Dev Biol** 1981 Sep; 86(2):348-55

IMMUNOLOGY

Immunochemical evidence for exocytosis in isolated chromaffin cells after stimulation with depolarizing agents. Wildmann J, et al. **J Neuroimmunol** 1981 Sep;1(3):353-64

Origins of spinal noradrenergic pathways demonstrated by retrograde transport of antibody to dopamine-beta-hydroxylase. Westlund KN, et al. **Neurosci Lett** 1981 Sep 25;25(3):243-9

ISOLATION & PURIFICATION

A time-resolved assay of dopamine beta-hydroxylase activity utilizing high-pressure liquid chromatography. Feilchenfeld NB, et al. **Anal Biochem** 1982 May 1; 122(1):124-8

Purification of membrane-bound dopamine beta-monooxygenase from chromaffin granules: relation to soluble dopamine beta-monooxygenase. Slater EP, et al. **Arch Biochem Biophys** 1981 Oct 1;211(1):288-96

Purification and characterization of avian dopamine beta-hydroxylase. Long RA, et al. **Biochemistry** 1981 Dec 22;20(26):7423-31

Human catecholamine storage vesicle proteins. O'Connor DT, et al. **Clin Exp Hypertens [A]** 1982;4(4-5):563-75

Dopamine beta-hydroxylase and other glycoproteins from the soluble content and the membranes of adrenal chromaffin granules: isolation and carbohydrate analysis. Fischer-Colbrie R, et al. **J Neurochem** 1982 Mar; 38(3):725-32

METABOLISM

Activity of dopamine-beta-hydroxylase (DBH) and phenylethanolamine-N-methyl transferase (PNMT) in heart, lung and chromaffin tissue from the Florida spotted gar Lepisosteus platyrhincus (Holostei). Abrahamsson T, et al. **Acta Physiol Scand** 1981 Apr;111(4):431-3

Axonal transport and subcellular distribution of dopamine-beta-hydroxylase in the cod, Gadus morhua. Jönsson AC, et al. **Acta Physiol Scand** 1981 Apr; 111(4):441-5

On ortho-diphenol oxidase activity of dopamine-beta-monooxygenase. Boyajian AS, et al. **Biochem Biophys Res Commun** 1982 Jun 30;106(4):1248-55

Reduction of membrane-bound dopamine beta-hydroxylase from the cytoplasmic surface of the chromaffin-granule membrane. Grouselle M, et al. **Biochem J** 1982 Mar 15; 202(3):759-70

Dopamine beta-Hydroxylation in diabetes ane diabetic autonomic neuropathy. Hoeldtke RD, et al. **Biochem Med** 1981 Aug;26(1):67-76

Quantitative correlation between secretion and cellular content of catecholamines and dopamine-beta-hydroxylase in cultures of adrenal medulla cells. Ledbetter FH, et al. **Biochem Pharmacol** 1981 Dec 1;30(23):3246-9

Dopamine beta-hydroxylase: activity and inhibition in the presence of beta-substituted phenethylamines. Klinman JP, et al. **Biochemistry** 1982 Jan 5;21(1):67-75

The structure and organization of dopamine-beta-hydroxylase in the chromaffin granule membrane. Blakeborough P, et al. **Biochim Biophys Acta** 1981 Jun 29;669(1):33-8

A new double labeling technique using tyrosine hydroxylase and dopamine-beta-hydroxylase immunohistochemistry: evidence for dopaminergic cells lying in the pons of the beef brain. Berod A, et al. **Brain Res** 1982 May 27; 240(2):235-43

Oxygen dependence of dopamine-beta-hydoxylase activity and lactate metabolism in synaptosomes from rat brain. Katz IR. **Brain Res** 1982 Jan 14;231(2):399-409

Neurotransmitter-synthesizing enzymes in 14 human neuroblastoma cell lines. Ross RA, et al. **Cell Mol Neurobiol** 1981 Sep;1(3):301-11

Biosynthetic enzyme activities and catecholamines in adrenal glands of genetic and experimental hypertensive rats. Grobecker H, et al. **Circ Res** 1982 May;50(5):742-6

Differences in utero in activities of catecholamine biosynthetic enzymes in adrenals of spontaneously hypertensive rats. Teitelman G, et al. **Clin Sci [Suppl]** 1981 Dec;61(7):227s-230s

Dopamine-beta-hydroxylase activity in the axillary bodies, the heart and the splanchnic nerve in two elasmobranchs, Squalus acanthias and Etmopterus spinax. Jönsson AC. **Comp Biochem Physiol [C]** 1982;71(2):191-4

Retrograde axonal transport of transmitter enzymes, fucose-labeled protein, and nerve growth factor in streptozotocin-diabetic rats. Jakobsen J, et al. **Diabetes** 1981 Oct;30(10):797-803

Dopamine beta-hydroxylase activity in the aqueous humour: effects of cervical sympathetic stimulation and reserpine. Gual A, et al. **Exp Eye Res** 1982 May;34(5):789-96

The effect of nutritional copper deprivation on the catecholamine content and dopamine-beta-hydroxylase activity of rat and cattle adrenal glands. Hesketh JE. **Gen Pharmacol** 1981;12(6):445-9

Regional distribution of tyrosine hydroxylase and dopamine beta-hydroxylase activities in guinea pig heart. Dickson DW, et al. **J Auton Nerv Syst** 1981 Nov;4(4):319-26

Transmembrane nature of chromaffin granule dopamine beta-monooxygenase. Zaremba S, et al. **J Biol Chem** 1981 Dec 10;256(23):12310-5

Noradrenaline and dopamine-beta-hydroxylase levels in rat salivary glands after preganglionic nerve stimulation: evidence for re-use of amine storage granules in transmitter release. Häggendal J. **J Neural Transm** 1982;53(2-3):147-58

Comparative microdistribution of the activity of catecholamine-synthesizing enzymes in horizontal sections of the rat lower brainstem. Chamba G, et al. **J Neurochem** 1982 Aug;39(2):577-81

Dopamine-beta-hydroxylase (DBH) in idiopathic torsion dystonia (ITD). Korczyn AD, et al. **J Neurol Sci** 1982 Jan;53(1):91-3

Neuropathological and biochemical observations on the noradrenergic system in Alzheimer's disease. Perry EK, et al. **J Neurol Sci** 1981 Aug;51(2):279-87

The effects of cadmium ions on blood pressure, dopamine-beta-hydroxylase activity and on the responsiveness of in vivo preparations to sympathetic nerve stimulation, noradrenaline and tyramine. Fadloun Z, et al. **J Pharm Pharmacol** 1981 Oct;33(10):660-4

Dopamine b-Hydroxylase: Determination of half-life and appearance in lymph fluid after IV injection of 125 I-DBH into rats. Geyer SJ, et al. **Life Sci** 1982 Mar 29; 30(13):1087-100

Effects of aging on the activity of hypothalamic dopamine-beta-hydroxylase during various stages of the estrous cycle in C57BL/6 mice. Banerji TK, et al. **Neuroendocrinology** 1982 Jan;34(1):14-9

Noradrenergic and serotonergic fibers innervate complementary layers in monkey primary visual cortex: an immunohistochemical study. Morrison JH, et al. **Proc Natl Acad Sci USA** 1982 Apr;79(7):2401-5

Compensatory increase in adrenal weight and dopamine-beta-hydroxylase activity after unilateral adrenalectomy: experimental evidence for a pineal-dependent contribution. Banerji TK, et al. **Proc Soc Exp Biol Med** 1981 Sep;167(4):514-8

Activation by ADP of dopamine beta-hydroxylase in bovine adrenal medulla. Tachikawa E. **Tokushima J Exp Med** 1981 Jun;28(1-2):17-20

[Effects of acupuncture analgesia on dopamine-beta-hydroxylase activity in different brain areas and adrenal glands of the guinea pig] Chen J, et al. **Chung Kuo I Hsueh Ko Hsueh Yuan Hsueh Pao** 1981 Jun; 3 Suppl 1:69-71 **(Chi)**

[Noradrenergic innervation of rat neocortex during development: immunocytochemical evidence using anti-dopamine-beta-hydroxylase antibodies] Verney C, et al. **C R Seances Acad Sci [III]** 1982 Jan 4;294(1):35-8 (Eng. Abstr.) **(Fre)**

[Developmental changes in catecholamine synthesizing enzymes in periphery (author's transl)] Kuzuya H. **Tanpakushitsu Kakusan Koso** 1981 Aug;26(11):1752-9 (34 ref.) **(Jpn)**

[Comparison of physico-chemical properties of two forms of dopamine-beta-hydroxylase from chromaffin granules] Boiadzhan AS, et al. **Biokhimiia** 1981 Apr;46(4):635-41 (Eng. Abstr.) **(Rus)**

SECRETION

Ionomycin stimulates secretion of catecholamines from cat adrenal gland and spleen. Carvalho MH, et al. **Am J Physiol** 1982 Mar;242(3):E137-45

Nitriphenol compound induces Ca-dependent exocytotic secretion of catecholamines by a direct effect on the plasma membranes of the adrenal medullary cells. Sorimachi M, et al. **Brain Res** 1982 Jan 28;232(1):242-6

DOPAMINE RECEPTORS see RECEPTORS, DOPAMINE

DOPING IN SPORTS

Capillary column gas chromatographic mass spectrometric analysis of anabolic steroid residues using splitless injections made at elevated temperatures. Houghton E, et al. **Biomed Mass Spectrom** 1981 Aug;8(8):358-61

The use of combined high performance liquid chromatography negative ion chemical ionization mass spectrometry to confirm the administration of synthetic corticosteroids to horses. Houghton E, et al. **Biomed Mass Spectrom** 1981 Nov;8(11):558-64

Deuteromethylation of dimethylxanthines: a gas chromatographic mass spectrometric method for confirmatory analysis in horse urine extracts. Houghton E. **Biomed Mass Spectrom** 1982 Mar;9(3):103-7

Drugs and the athlete [editorial] Horwitz DL. **Compr Ther** 1982 Mar;8(3):3-4

Drugs and sport. Mangi RJ, et al. **Conn Med** 1981 Oct; 45(10):637-41

Drug use in athletics. Introduction. Burks TF. **Fed Proc** 1981 Oct;40(12):2680-1

The amphetamine margin in sports. Laties VG, et al. **Fed Proc** 1981 Oct;40(12):2689-92

The Sunday syndrome: from kinetics to altered consciousness. Mandell AJ, et al. **Fed Proc** 1981 Oct; 40(12):2693–8

Anabolic steroids are fool's gold. Ryan AJ. **Fed Proc** 1981 Oct;40(12):2682–8 (63 ref.)

Steroid hormones in sports. Special reference: sex hormones and their derivatives. Lucking MT. **Int J Sports Med** 1982 Feb;3 Suppl 1:65–7

Structural. alterations of liver parenchyma induced by anabolic steroids. Stang-Voss C, et al. **Int J Sports Med** 1981 May;2(2):101–5

Gas/liquid chromatographic analysis of pemoline in biological fluids using electron capture detection. Igwe OJ, et al. **J Chromatogr Sci** 1981 Dec;19(12):617–24

Blood doping and related issues: a brief review. Gledhill N. **Med Sci Sports Exerc** 1982;14(3):183–9

[Final results of the activities of the work-shop on sports medicine and doping] Gounelle de Pontanel H. **Bull Acad Natl Med (Paris)** 1981 Jan;165(1):127–8 **(Fre)**

[Doping – a medical and ethical problem] Ljungqvist A, et al. **Lakartidningen** 1982 Mar 31;79(13):1237–49 **(Swe)**

METHODS

[Doping—victim or perpetrator?] von der Laage R. **Med Welt** 1982 Feb 12;33(6):56–7 **(Ger)**

DOPPLER EFFECT see under **PHYSICS**

DORMICE see **RODENTIA**

DORSAL ROOT GANGLIA see **GANGLIA, SPINAL**

DOSAGE COMPENSATION (GENETICS)

Inactivation centers in the human X chromosome. Nakagome Y. **Am J Hum Genet** 1982 Mar;34(2):182–94

The LSP1-alpha gene is not dosage compensated in the Drosophila melanogaster species subgroup. Brock HW, et al. **Biochem Genet** 1982 Apr;20(3–4):287–96

Selective differential staining of sister chromatids of the facultative heterochromatic X chromosome in the female mouse. Kanda N. **Chromosoma** 1981;84(2):257–63

Controlling elements in the mouse. V. Linkage tests with X-linked genes. Cattanach BM, et al. **Genet Res** 1981 Aug; 38(1):57–70

Transcription of X-chromosomal segmental aneuploids of Drosophila melanogaster and regulation of dosage compensation. Prasad J, et al. **Genet Res** 1981 Oct; 38(2):103–13

Biochemical evidence for the non-inactivation of the steroid sulfatase locus in human placenta and fibroblasts. Bedin M, et al. **Hum Genet** 1981;59(3):256–8

Different patterns of X chromosome inactivity in lymphocytes and fibroblasts of a human balanced X;autosome translocation. Hellkuhl B, et al. **Hum Genet** 1982;60(2):126–9

Age-dependency of somatic selection in South African Negro G-6-PD heterozygotes. Hitzeroth HW, et al. **Hum Genet** 1981;58(3):338–43

Pairing of X and Y chromosomes, non-inactivation of X-linked genes, and the maleness factor. Polani PE. **Hum Genet** 1982;60(3):207–11

Activity of steroid sulfatase in fibroblasts with numerical and structural X chromosome aberrations. Ropers HH, et al. **Hum Genet** 1981;57(4):354–6

Preferential paternal X inactivation in extraembryonic tissues of early mouse embryos. Harper MI, et al. **J Embryol Exp Morphol** 1982 Feb;67:127–35

Probable mechanism for the loss of Barr body in human female tumor with special reference to breast cancer. Ghosh SN, et al. **Med Hypotheses** 1981 Aug;7(8):1099–104

A sex-linked enzyme in birds—Z-chromosome conservation but no dosage compensation. Baverstock PR, et al. **Nature** 1982 Apr 22;296(5859):763–6

X-chromosome inactivation and the control of gene expression [news] Johnson MH. **Nature** 1982 Apr 8; 296(5857):493–4

Synergism and gene dose effect in HLA-DR serology. Madsen M. **Tissue Antigens** 1981 Mar;17(3):269–76

DRUG EFFECTS

Transformation with DNA from 5-azacytidine-reactivated X chromosomes. Venolia L, et al. **Proc Natl Acad Sci USA** 1982 Apr;79(7):2352–4

DOSAGE FORMS

In vitro studies into the release of chlorhexidine acetate, prednisolone sodium phosphate, and prednisolone alcohol from cold cure denture base acrylic. Addy M, et al. **J Biomed Mater Res** 1982 Mar;16(2):145–57

Systems for controlled drug delivery. Zaffaroni A. **Med Res Rev** 1981 Winter;1(4):373–86 (15 ref.)

[A survey on the new form of Chinese medicinal preparations (author's transl)] Cao CL. **Chung Yao Tung Pao** 1981 May; 6(3):37–40 **(Chi)**

[Possibilities and problems of organ-selective active principles and drugs] Hamacher H. **Pharmazie** 1981 Jun; 36(6):391–9 (52 ref.) **(Ger)**

DOSE-RESPONSE RELATIONSHIP, DRUG

Dose dependence of the thyrotropin (TSH) receptor damaging effect of gonadotropin in the newborn rats. Nagy SU, et al. **Acta Physiol Acad Sci Hung** 1980;56(4):417–20

The assessment of low-dose carcinogenicity. Armitage P. **Biometrics** 1982 Mar;38 Suppl:119–39 (44 ref.)

Generalized Spearman estimators of relative dose. Morton R. **Biometrics** 1981 Jun;37(2):223–33

A generalized multihit dose-response model for low-dose extrapolation. Rai K, et al. **Biometrics** 1981 Jun; 37(2):341–52

Understanding the dose-effect relationship: clinical application of pharmacokinetic-pharmacodynamic models. Holford NH, et al. **Clin Pharmacokinet** 1981 Nov-Dec; 6(6):429–53 (68 ref.)

Dose-response analysis in animal studies: prediction of human responses. Alarie Y. **Environ Health Perspect** 1981 Dec; 42:9–13

Modeling of dose-response relationships. Altshuler B. **Environ Health Perspect** 1981 Dec;42:23–7

Extrapolation on dose estimation. Esmen NA. **Environ Health Perspect** 1981 Dec;42:3–7

Epidemiologic detection of low dose effects on the developing fetus. Kline J, et al. **Environ Health Perspect** 1981 Dec;42:119–26

Sensitivity of health endpoints: effect on conclusions of studies. Radford EP. **Environ Health Perspect** 1981 Dec; 42:45–50

Extrapolation from incomplete data to total or lifetime risks at low doses. Schneiderman MA. **Environ Health Perspect** 1981 Dec;42:33–8

Method of analysis of monotone dose-response probabilities after long-term exposure to a toxicant. Scott BR. **Health Phys** 1982 Mar;42(3):305–15

A dose-response curve for human growth hormone. Frasier SD, et al. **J Clin Endocrinol Metab** 1981 Dec;53(6):1213–7

Multiple-dose phase I trials—normal volunteers or patients? One viewpoint. Weissman L. **J Clin Pharmacol** 1981 Oct; 21(10):385–7

Exposure to carcinogenic chemicals and smoking increases urinary excretion of mutagens in humans. Dolara P, et al. **J Toxicol Environ Health** 1981 Jul-Aug;8(1–2):95–103

Neuropharmacological supersensitivity-clinical and experimental correlates and methodological considerations. Owen RT. **Methods Find Exp Clin Pharmacol** 1980 Apr; 2(2):89–95 (49 ref.)

[Linear transformation of Michaelis-Menton equation by Lineweaver-Burk's method (author's transl)] Jin ZJ. **Chung Kuo Yao Li Hsueh Pao** 1980 Sep;1(1):3–7 (Eng. Abstr.) **(Chi)**

[Introduction to the topic: drug dosage in renal insufficiency] Sieberth HG. **Internist (Berlin)** 1981 Oct;22(10):597–600 **(Ger)**

DOSE-RESPONSE RELATIONSHIP, RADIATION

Chromosomal methods in population studies. Conner MK, et al. **Environ Health Perspect** 1981 Dec;42:107–13 (40 ref.)

Statistical limitations in relation to sample size. Land CE. **Environ Health Perspect** 1981 Dec;42:15–21

Method of analysis of monotone dose-response probabilities after long-term exposure to a toxicant. Scott BR. **Health Phys** 1982 Mar;42(3):305–15

Quantitative radiation dose-response relationships for normal tissues in man. I. Gustatory tissue response during photon and neutron radiotherapy. Mossman KL. **Radiat Res** 1982 Aug;91(2):265–74

DOTHIEPIN see under **DIBENZOTHIEPINS**

DOUBLE BIND THEORY see under **PSYCHOLOGICAL THEORY**

DOUBLE-BLIND METHOD see under **RESEARCH DESIGN**

DOUBLE REFRACTION see **BIREFRINGENCE**

DOUCHING see **IRRIGATION**

DOUGLAS' POUCH

MICROBIOLOGY

Impact of diverging anaerobic technology on cul-de-sac isolates from patients with endometritis-salpingitis-peritonitis. Monif GR, et al. **Am J Obstet Gynecol** 1982 Apr 1;142(7):896–900

DOURINE see under **TRYPANOSOMIASIS**

DOWN'S SYNDROME

A review of trisomies 21, 18, and 13. Scarbrough PR, et al. **Ala J Med Sci** 1982 Apr;19(2):174–88 (147 ref.)

A controlled retrospective follow-up study of the impact of genetic counseling on parental reproduction following the birth of a Down syndrome child. Oetting LA, et al. **Clin Genet** 1982 Jan;21(1):7–13

'A wonderful case and an irrational tragedy': The Phillip Becker case continues. Annas GJ. **Hastings Cent Rep** 1982 Feb;12(1):25–6

The Sydney line and the simian line: the incidence in Down's syndrome patients with mental retardation and Japanese controls. Shiono H, et al. **J Ment Defic Res** 1982 Mar;26(Pt 1):3–9

Periodontal bone loss in patients with Down's syndrome: a follow-up study. Saxén L, et al. **J Periodontol** 1982 Mar; 53(3):158–62

Acquittal of paediatrician charged after death of infant with Down syndrome. Brahams D. **Lancet** 1981 Nov 14; 2(8255):1101–2

BLOOD

Ultrastructural modifications of the erythrocyte membrane in Down's syndrome. Kedziora J, et al. **Acta Biol Med Ger** 1981;40(4–5):423–8

Nature of lowered 5-hydroxytryptamine uptake by blood platelets of patients with Down's syndrome. Tukiainen E, et al. **Acta Pharmacol Toxicol (Copenh)** 1980 Nov; 47(5):365–70

In vitro cell growth in neonates with Down's syndrome and transient myeloproliferative disorder. Denegri JF, et al. **Blood** 1981 Oct;58(4):675–7

Aging of the erythrocyte. VI. Accelerated red cell membrane aging in Down's syndrome? Bartosz G, et al. **Cell Biol Int Rep** 1982 Jan;6(1):73–7

Enhanced expression of cellular receptors for human interferon alpha on peripheral lymphocytes from patients with Down's syndrome. Mogensen KE, et al. **FEBS Lett** 1982 Apr 19;140(2):285–7

Serum total tryptophan and free tryptophan concentration in Down's syndrome its relation to serum serotonin concentration. Hoshino Y, et al. **Fukushima J Med Sci** 1980 Jun;27(1–2):39–51

Serum gonadotrophins in Down's syndrome. Campbell WA, et al. **J Med Genet** 1982 Apr;19(2):98–9

CHEMICALLY INDUCED

Spermicide use and Down's syndrome. Rothman KJ. **Am J Public Health** 1982 Apr;72(4):399–401

COMPLICATIONS

Acute leukemia in a patient with Down's syndrome and transient congenital leukemia. Chu JY, et al. **Am J Dis Child** 1982 Apr;136(4):367

Chronic upper airway obstruction and pulmonary hypertension in Down's syndrome. Rowland TW, et al. **Am J Dis Child** 1981 Nov;135(11):1050–2

Neonatal leukemoid reaction. An isolated manifestation of mosaic trisomy 21. Weinberg AG, et al. **Am J Dis Child** 1982 Apr;136(4):310–1

The myeloproliferative reaction in a child with Down syndrome: cytological and chromosomal evidence for a transient leukemia. Lazarus KH, et al. **Am J Hematol** 1981 Dec;11(4):417–23

Myoclonus in Down's syndrome: treatment with Clonazepam [letter] Good DC, et al. **Arch Neurol** 1982 Mar;39(3):195

Neuroaxonal dystrophy and Down's syndrome. Report of a case. Halperin JJ, et al. **Arch Neurol** 1982 Sep; 39(9):587–91

Atlanto-axial dislocation with spinal cord compression in Down syndrome. Shield LK, et al. **Aust Paediatr J** 1981 Jun;17(2):114–6

Preleukaemia in Down's syndrome [letter] Smith AG, et al. **Blood** 1982 Apr;59(4):870

Atlanto-occipital and atlanto-axial dislocations with spinal cord compression in Down's syndrome: a case report and review of the literature. Hungerford GD, et al. **Br J Radiol** 1981 Sep;54(645):758–61

A 14q+ chromosome in a malignant lymphoma in a patient with Down's syndrome. Oshimura M, et al. **Cancer Genet Cytogenet** 1981 Nov;4(3):245–50

Hearing loss and treatment in young Down's syndrome children. Cunningham C, et al. **Child Care Health Dev** 1981 Nov-Dec;7(6):357–74

Multiple dislocations of the cervical spine in a patient with juvenile rheumatoid arthritis and Down's syndrome. Sherk HH, et al. **Clin Orthop** 1982 Jan-Feb;(162):37–40

Alveolar hypoventilation and cor pulmonale associated with chronic airway obstruction in infants with Down syndrome. Levine OR, et al. **Clin Pediatr (Phila)** 1982 Jan; 21(1):25–9

Brushfield spots and Wolfflin nodules in the iris: an appraisal in handicapped children. Brooke Williams RD. **Dev Med Child Neurol** 1981 Oct;23(5):646–9

ARDS and cerebral infarction complicating mycoplasma pneumonia in sickle cell trait. Pensler MI, et al. **Henry Ford Hosp Med J** 1980;28(1):60–2

Corpulmonale due to laryngomalacia in Down's syndrome. Aggarwal KC, et al. **Indian Pediatr** 1981 Dec;18(12):914–6

A vision screening of a Down's syndrome population. Warshowsky J. **J Am Optom Assoc** 1981 Jul;52(7):605–7

Dislocation of the hip in trisomy 21. Bennet GC, et al. **J Bone Joint Surg [Br]** 1982;64(3):289–94

Overweight among children with trisomy. Chumlea WC, et al. **J Ment Defic Res** 1981 Dec;25 Pt 4:275–80

Reversible dementia in Down's syndrome. Thase ME. **J Ment Defic Res** 1982 Jun;26 (Pt2):111–3

Keratoconus and blindness in 469 institutionalised subjects

with Down syndrome and other causes of mental retardation. Walsh SZ. **J Ment Defic Res** 1981 Dec;25 Pt 4:243–51

Mesenchymal dysgenesis in a patient with Down's syndrome. Orellana J, et al. **J Pediatr Ophthalmol Strabismus** 1982 May–Jun;19(3):144–5

Cervical instability in Down's syndrome and juvenile rheumatoid arthritis. Herring JA. **J Pediatr Orthop** 1982 Jun;2(2):205–7

Operation on infant with Down syndrome [letter] **Lancet** 1981 Sep 12;2(8246):586

Association between megakaryoblastic leukaemia and Down syndrome [letter] Lewis DS. **Lancet** 1981 Sep 26; 2(8248):695

Outlook after surgery for congenital intrinsic duodenal obstruction in Down syndrome [letter] Puri P. **Lancet** 1981 Oct 10;2(8250):802

Down Syndrome and acute leukaemia: increased risk may be due to trisomy 21. Rowley JD. **Lancet** 1981 Nov 7; 2(8254):1020–2

Down syndrome and leukaemia [letter] Stiller CA, et al. **Lancet** 1981 Dec 12;2(8259):1343

Down's syndrome: a modern otorhinolaryngological perspective. Strome M. **Laryngoscope** 1981 Oct; 91(10):1581–94

Surgical treatment of type B complete atrioventricular canal. Minami K, et al. **Nippon Geka Hokan** 1981 Sep 1; 50(5):689–98

Symptomatic atlantoaxial dislocation in Down syndrome. Hreidarsson S, et al. **Pediatrics** 1982 May;69(5):568–71

Aplastic anemia and Down's syndrome [letter] McWilliams NB, et al. **Pediatrics** 1982 Apr;69(4):501–2

Primary myelofibrosis with myeloid metaplasia and cytogenetically abnormal clones in 2 children with Down's syndrome. Ueda K, et al. **Scand J Haematol** 1981 Sep; 27(3):152–8

Sequelae of atlantoaxial stabilization in two patients with Down's syndrome. Nordt JC, et al. **Spine** 1981 Sep–Oct; 6(5):437–40

[Thyroid discases in Down's syndrome] Korsager S. **Ugeskr Laeger** 1981 Jun 15;143(25):1585–8 (Eng. Abstr.) **(Dan)**

[Cərdiopathies in trisomy 21. Therapeutic indications] Normand J, et al. **Arch Mal Coeur** 1981 Dec;74(12):1427–36 (Eng. Abstr.) **(Fre)**

[Hemodynamic study of pulmonary vascular resistances in subjects with Down's syndrome with atrioventricular canal] Agnetti A, et al. **Pediatr Med Chir** 1981 Nov–Dec; 3(6):463–6 (Eng. Abstr.) **(Ita)**

[Pulmonary vascular disease in congenital septal defect with Down syndrome (author's transl)] Yamaki S, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1982 Jan;30(1):44–51 (Eng. Abstr.) **(Jpn)**

[A case of Down's syndrome complicated by teratoma of the third ventricle of the brain (author's transl)] Nakato H, et al. **No To Shinkei** 1982 Feb;34(2):145–50 (Eng. Abstr.) **(Jpn)**

[An adult case of acute leukemia with Down's syndrome (author's transl)] Aoyama H, et al. **Rinsho Ketsueki** 1981 Aug;22(8):1249–54 (Eng. Abstr.) **(Jpn)**

[Progressive occlusive disease of the cerebral arteries associated with Down's syndrome: considerations on the etiopathogenesis] Schulz IS, et al. **Arq Neuropsiquiatr** 1981 Jun;39(2):237–43 (Eng. Abstr.) **(Por)**

[Thoracic ectopic right kidney associated with Down syndrome and a serious heart abnormality] Boronat F, et al. **Actas Urol Esp** 1982 Jan–Feb;6(1):33–6 (Eng. Abstr.) **(Spa)**

[Endocardial cushion defect without ostium primum atrial septal defect associated with tetralogy of Fallot (author's transl)] Salazar J, et al. **An Esp Pediatr** 1982 May; 16(5):426–31 (Eng. Abstr.) **(Spa)**

DIAGNOSIS

Interrelationships of biological environmental and competency variables in young children with Down syndrome. Reed RB, et al. **Appl Res Ment Retard** 1980; 1(3–4):161–74

Twins discordant for Down's syndrome. Benke PJ. **Clin Genet** 1982 Feb;21(2):104–6

Twin pregnancy, abortion of one fetus with Down's syndrome by sectio parva, the other delivered mature and healthy. Beck L, et al. **Eur J Obstet Gynecol Reprod Biol** 1981 Nov;12(5):267–9

Prenatal diagnostic services in a community hospital. Young T, et al. **J Med Soc NJ** 1982 May;79(5):389–92

Recurrence risk in 21q/21q translocation of Down syndrome. Garver KL, et al. **J Pediatr** 1982 Feb;100(2):243–5

A diagnostic index for Down syndrome. Rex AP, et al. **J Pediatr** 1982 Jun;100(6):903–6

Prenatal diagnosis for the detection of Down syndrome: why are so few eligible women tested? Lippman–Hand A, et al. **Prenatal Diagn** 1981 Oct;1(4):249–57

[Birth weight of children with Down's syndrome] Kuklik M, et al. **Cesk Pediatr** 1981 Oct;36(10):580–4 (Eng. Abstr.) **(Cze)**

[Prenatal diagnosis. Amniotic fluid analysis of pregnant women from the 16th week of pregnancy on] Dreiss M, et al. **Med Welt** 1982 Feb 26;33(8):279–80 **(Ger)**

[Perinatal leucosis and Down's syndrome--review] Reddemann H, et al. **Padiatr Grenzgeb** 1982;21(1):53–68 (67 ref.) (Eng. Abstr.) **(Ger)**

[Cytogenetic investigations in 817 dysmorphic babies] Kiss P, et al. **Z Gesamte Inn Med** 1981 Jun 1;36(11):356–60 (Eng. Abstr.) **(Ger)**

[Disseminated syringoma and trisomy 21 (author's transl)] Lechner W, et al. **Z Hautkr** 1981 Nov 15;56(22):1467–70 (Eng. Abstr.) **(Ger)**

ENZYMOLOGY

Elevated erythrocyte adenosine deaminase activity in Down's syndrome. Puukka R, et al. **Acta Paediatr Scand** 1981 Sep; 70(5):739–41

Neutrophil alkaline phosphatase in children with trisomy 21 and their parents. Grozdea J, et al. **Biomedicine** 1981 Sep; 35(4):137–9

Platelet monoamine oxidase activity in Down's syndrome. Fowler CJ, et al. **Clin Genet** 1981 May;19(5):307–11

Red blood cell glutathione peroxidase in simple trisomy 21 and translocation 21/22. Kędziora J, et al. **Experientia** 1982 May 15;38(5):543–4

Superoxide dismutase and glutathione peroxidase abnormalities in erythrocytes and lymphoid cells in Down syndrome. Frischer H, et al. **Prog Clin Biol Res** 1981; 55:269–89

ETIOLOGY

Spermicides and Down's syndrome [letter] Van Peenen PF, et al. **Am J Public Health** 1982 Sep;72(9):1047–8

Mutations in the hamster [letter] Ingalls TH. **Arch Environ Health** 1982 Jan–Feb;37(1):61

Pregnancy and increased maternal age. Kovar R. **Nebr Med J** 1981 Sep;66(9):221

FAMILIAL & GENETIC

Parental trisomy 21 mosaicism. Harris DJ, et al. **Am J Hum Genet** 1982 Jan;34(1):125–33

The implications of S-phase exchanges for the mechanisms of radiosensitivity in trisomy 21. Athanasiou K, et al. **Am J Med Genet** 1982 Jun;12(2):141–6

Tetrasomy 21 in an infant with Down syndrome and congenital leukemia. Jabs EW, et al. **Am J Med Genet** 1982 May;12(1):91–5

Adrien Bleyer: in the right place at the wrong time. Karp LE. **Am J Med Genet** 1981;10(3):209–11

Monozygotic twins discordant for trisomy 21. Rogers JG, et al. **Am J Med Genet** 1982 Feb;11(2):143–6

Genetic counseling: a comparison of counselee's genetic knowledge before and after (Part III). Seidenfeld MJ, et al. **Am J Med Genet** 1981;10(2):107–12

Age dispersion of parents of Down and non–Down syndrome children. Abroms KI, et al. **Am J Ment Defic** 1981 Sep; 86(2):204–7

t(21q21q)/r[t(21q21q)] mosaic in two unrelated patients with mild stigmata of Down's syndrome. Dallapiccola B, et al. **Ann Genet (Paris)** 1982;25(1):56–8

The origin of human trisomy: a study of heteromorphisms and satellite associations. Jacobs PA, et al. **Ann Hum Genet** 1981 Oct;45(Pt 4):357–65

Non–disjunction in trisomy 21: study of chromosomal heteromorphisms in 110 families. Mikkelsen M, et al. **Ann Hum Genet** 1980 Jul;44(Pt 1):17–28

Down's syndrome as a model disease. Scoggin CH, et al. **Arch Intern Med** 1982 Mar;142(3):462–4

Constitutional t(15;17) [letter] Ferro MT, et al. **Cancer Genet Cytogenet** 1981 Aug;4(1):89–91

Analysis of protein patterns in two-dimensional gels of cultured human cells with trisomy 21. Klose J, et al. **Clin Chem** 1982 Apr;28(4 Pt 2):987–92

Alpha–1–antitrypsin protease inhibitor (Pi) phenotypes in Down's syndrome patients and their parents. Bufton L, et al. **Clin Genet** 1982 Jan;21(1):14–8

Mosaic tetrasomy 21 in a liveborn male infant. Hunter AG, et al. **Clin Genet** 1982 Apr;21(4):228–32

Parental alpha 1–antitrypsin (PI) types and meiotic nondisjunction in the aetiology of Down syndrome. Jongbloet PH, et al. **Clin Genet** 1981 Oct;20(4):304–9

Dermatoglyphic and cytogenetic studies in parents of children with trisomy 21. Schmidt R, et al. **Clin Genet** 1981 Sep;20(3):203–10

Familial Down's syndrome. Maximilian C, et al. **Endocrinologie** 1981 Jan–Mar;19(1):65–8

A case of Down's syndrome resulting from mirror duplication of chromosome 21. Stoll C, et al. **Eur J Pediatr** 1982 Feb;138(1):80–1

Moderate Down's syndrome in three siblings having partial trisomy 21q22.2 to qter and therefore no SOD–1 excess. Habedank M, et al. **Hum Genet** 1982;60(1):74–7

Unbalanced Robertsonian translocations associated with Down's syndrome or Patau's syndrome: chromosome subtype, proportion inherited, mutation rates, and sex ratio. Hook EB. **Hum Genet** 1981;59(3):235–9

Comparison of mathematical models for the maternal age dependence of Down's syndrome rates. Lamson SH, et al. **Hum Genet** 1981;59(3):232–4

Parental origin of chromosomes in Down's syndrome. Manning CH, et al. **Hum Genet** 1981;59(2):101–3

Maternally transmitted extra ring (21) chromosome in a boy with Down's syndrome. Matsubara T, et al. **Hum Genet** 1982;60(1):78–9

Paternal age and Down's syndrome: data from prenatal diagnoses (DFG). Stene J, et al. **Hum Genet** 1981; 59(2):119–24

Cytogenetic studies of a family with trisomy 21 mosaicism in two successive generations as the cause of Down's syndrome. Werner W, et al. **Hum Genet** 1982;60(2):202–4

Dermatoglyphic studies in the parents of trisomy 21 children I. Distribution of dermatoglyphic discriminants. Loesch D. **Hum Hered** 1981;31(4):201–7

Prenatal diagnosis and genetic counseling in 21 trisomy: its impact on family planning. Evers–Keibooms G, et al. **J Genet Hum** 1981 Feb;28(5):147–59

Fetal phenotype in a case of partial trisomy 21 and partial monosomy 22 detected prenatally. Migliorini AM, et al. **J Med Genet** 1981 Oct;18(5):383–5

Down's syndrome phenotype and autosomal gene inactivation in a child with presumed (X;21) de novo translocation. Taysi K, et al. **J Med Genet** 1982 Apr; 19(2):144–8

Mosaicism 48,XX,+8,+21/47,XX,+21 in Down syndrome and rapid progression from preleukaemia to acute leukaemia [letter] Dębiec–Rychter M, et al. **Lancet** 1982 Aug 21;2(8295):448–9

Partial trisomy 21 with retroperitoneal teratoma following a balanced translocation t(14; 21) (p11; q21) in two successive generations. Georgmăneanu C, et al. **Neurol Psychiatr (Bucur)** 1981 Apr–Jun;19(2):135–42

Reproduction in Down syndrome. Bovicelli L, et al. **Obstet Gynecol** 1982 Jun;59(6 Suppl):13S–7S

Human cytoplasmic superoxide dismutase cDNA clone: a probe for studying the molecular biology of Down syndrome. Lieman–Hurwitz J, et al. **Proc Natl Acad Sci USA** 1982 May;79(9):2808–11

Cytogenetic and antigenic studies in a pair of twins: a normal boy and a trisomic 21 girl with chimera. Gilgenkrantz S, et al. **Prog Clin Biol Res** 1981;69A:141–53

Dermatoglyphics of Jewish Down patients. Katznelson MB. **Prog Clin Biol Res** 1982;84:335–52

Dermatoglyphic studies in parents of children with trisomy 21: detection of hidden mosaicism and its role in genetic counselling. Rodewald A, et al. **Prog Clin Biol Res** 1982; 84:371–84

Development of palm and main–life configurations in Down's syndrome. Singh DN, et al. **Prog Clin Biol Res** 1982; 84:353–70

Down syndrome associated with a familial 14/21 translocation. Hanna EJ, et al. **Ulster Med J** 1981; 50(2):95–8

[Trisomy 21 by translocation (21q,21q) in two sibs of a mother with a supernumerary microchromosome (author's transl)] Prieto F, et al. **Ann Genet (Paris)** 1981;24(2):117–9 (Eng. Abstr.) **(Fre)**

[Preferential segregation of chromosome 21p– in 3 generations. Ultimate role in non–disjunction (apropos of a case of trisomy 21 in this family)] De los Cobos L, et al. **J Genet Hum** 1981 Feb;28(5):201–6 (Eng. Abstr.) **(Fre)**

[Plicated tongue and chromosome abnormalities in families with Down's syndrome] Caratzali A. **Neurol Psychiatr (Bucur)** 1981 Apr–Jun;19(2):143–9 **(Fre)**

[Structure of interphase chromatin of diploid and trisomal human cells studied by the technic of thermal denaturation in media of low ionic strength] Fedorova KN, et al. **Biull Eksp Biol Med** 1981 Dec;92(12):717–20 (Eng. Abstr.) **(Rus)**

[C band polymorphisms of chromosomes 1, 9 and 16 in families with children with Down's syndrome (author's transl)] Blanco B, et al. **Rev Invest Clin** 1982 Jan–Mar; 34(1):49–52 (Eng. Abstr.) **(Spa)**

IMMUNOLOGY

Down's syndrome and immune function [letter] Rodriguez de al Nuez AL, et al. **Am J Dis Child** 1982 Jan;136(1):81

Decreased cord blood IgM and IgA in trisomy 21. Cederqvist LL, et al. **Am J Reprod Immunol** 1981;1(2):62–4

Genetic disease before and after the birth event. Litwin SD. **Am J Reprod Immunol** 1982 Feb;2(1):43–5 (22 ref.)

Antibody response to pneumococcal vaccine in patients with trisomy–21 (Down's syndrome). Nurmi T, et al. **Clin Exp Immunol** 1982 May;48(2):485–90

Natural killer cell function in trisomy–21 (Down's syndrome). Nurmi T, et al. **Clin Exp Immunol** 1982 Mar;47(3):735–41

Immunological and virological investigations in Down's syndrome. Fekete G, et al. **Eur J Pediatr** 1982 Feb; 138(1):59–62

Autoimmune chronic active hepatitis in Down's syndrome. McCulloch AJ, et al. **J Med Genet** 1982 Jun;19(3):232–4

[Autoimmunity in Down's syndrome] Korsager S. **Ugeskr Laeger** 1981 Jun 15;143(25):1589–91 (Eng. Abstr.) **(Dan)**

METABOLISM

Tetrahydrobiopterin metabolism in Down's syndrome and in non–Down's syndrome mental retardation. Aziz AA, et al. **J Ment Defic Res** 1982 Jun;26 (Pt2):67–71

Hair trace metal levels in Down syndrome patients. Barlow PJ, et al. **J Ment Defic Res** 1981 Sep;25(Pt 3):161–8

In vitro life span and 'unscheduled DNA synthesis' in subconfluent cultures and clones of trisomic and normal diploid fibroblasts. Rebhorn H, et al. **Mech Ageing Dev** 1982 Mar;18(3):201–8

Decreased polyamine content of concanavalin a stimulated lymphocytes in Down's syndrome subjects. McCoy EE, et al. **Pediatr Res** 1982 Apr;16(4 Pt 1):314–7

[Free plasma and cerebral amino acids in children with Down's syndrome] Abasheva GK.
Zh Nevropatol Psikhiatr 1981;81(7):1068–70 (Eng. Abstr.) **(Rus)**

MORTALITY

Prevalence of mongolism in Northern Ireland. Elwood JH, et al. **J Ment Defic Res** 1981 Sep;25(Pt 3):157–60

NURSING

Outlook for the Down syndrome child [letter] Simms M. **Lancet** 1981 Oct 17;2(8251):864–5

OCCURRENCE

Influence of demographic factors on annual Down's syndrome births in Ohio, 1970–1979, and the United States, 1920–1979. Huether CA, et al. **Am J Epidemiol** 1982 Jun; 115(6):846–60

Occurrence of down syndrome and human sexual behavior. Milstein-Moscati I, et al. **Am J Med Genet** 1981;9(3):211–7

Impact of prenatal chromosomal diagnosis in order women on population incidence of severe mental retardation [letter] Sadovnick AD, et al. **Am J Obstet Gynecol** 1982 Jun 15;143(4):486–7

Down's syndrome: percentage reporting on birth certificates and single year maternal age risk rates for Ohio 1970–79: comparison with upstate New York data. Huether CA, et al. **Am J Public Health** 1981 Dec;71(12):1367–72

Sex ratio in Down syndrome. Nielsen J, et al.
Ann Genet (Paris) 1981;24(4):212–5

Incidence of Down's syndrome in Rhode Island [letter] Barsel-Bowers G, et al. **JAMA** 1982 Aug 13;248(6):645

[Frequency of Langdon-Down disease in newborn infants in the Neubrandenburg district after the introduction of the abortion law of 9/3/1972] Goetze I.
Z Arztl Fortbild (Jena) 1981 Feb 1;75(3):107–8 **(Ger)**

[Effect of parental age on the occurrence of Down's syndrome in newborn infants] Pietrzyk JJ, et al.
Pediatr Pol 1982 Feb-Mar;57(2-3):101–6 (Eng. Abstr.) **(Pol)**

PATHOLOGY

Abnormal neuronal development in the visual cortex of the human fetus and infant with down's syndrome. A quantitative and qualitative Golgi study. Takashima S, et al. **Brain Res** 1981 Nov 23;225(1):1–21

PHYSIOPATHOLOGY

Abnormal electric membrane properties of Down's syndrome DRG neurons in cell culture. Scott BS, et al.
Brain Res 1981 Sep;254(2):257–70

Lateralisation of speech stimuli in young Down's Syndrome children. Hartley XY. **Cortex** 1981 Jul;17(2):241–8

Cerebral degeneration in Down's syndrome. Gath A.
Dev Med Child Neurol 1981 Dec;23(6):814–7

Canalization of growth in Down syndrome children three months to six years. Cronk CE, et al. **Hum Biol** 1981 Sep; 53(3):383–98

An anthropometric study of body size in Down syndrome. Jaswal S, et al. **Indian J Pediatr** 1981 Jan-Feb;48(390):81–4

Physical growth of children with Down syndrome in India. Sachdev HS, et al. **Indian J Pediatr** 1981 Jan-Feb; 48(390):85–9

Measurements of neuromuscular tone and strength in Down's syndrome children. Morris AF, et al. **J Ment Defic Res** 1982 Mar;26(Pt 1):41–6

Down syndrome fibroblasts are hyperresponsive to beta-adrenergic stimulation. McSwigan JD, et al.
Proc Natl Acad Sci USA 1981 Dec;78(12):7670–3

[A comparison of induced potential between normal subjects and patients with Down's disease (author's transl)] Xu BH.
Chung Hua Shen Ching Ching Shen Ko Tsa Chih 1979 Jun; 12(2):102–6 **(Chi)**

PSYCHOLOGY

Exploratory behavior in Down's syndrome and normal infants. Bradley-Johnson S, et al.
Appl Res Ment Retard 1981;2(3):213–28

A study of auditory preferences in nonhandicapped infants and infants with Down's syndrome. Glenn SM, et al.
Child Dev 1981;52(4):1303–7

Developmental milestones of Down's syndrome patients in north India. Menon PS, et al. **Indian J Med Res** 1981 Mar; 73:369–73

Recognition of the familiar words of nursery rhymes by handicapped and non-handicapped infants. Glenn SM, et al. **J Child Psychol Psychiatry** 1982 Jul;23(3):319–27

The temperament of Down's syndrome infants: a research note. Gunn P, et al. **J Child Psychol Psychiatry** 1981 Apr; 22(2):189–94

The meaning of infant emotional expressions: regularities in caregiving responses in normal and Down's syndrome infants. Sorce JF, et al. **J Child Psychol Psychiatry** 1982 Apr;23(2):145–58

Mutual gaze in pre-school Down's and normal children. Sinson JC, et al. **J Ment Defic Res** 1982 Jun;26 (Pt2):123–9

Elicited verbal and nonverbal imitation in Down's syndrome and other mentally retarded children: a replication and extension of berry. Rondal JA, et al. **Lang Speech** 1981 Jul-Sep;24(PT 3):245–54

Test settings and the sensorimotor performance of infants with Down's syndrome. Dunst CJ. **Percept Mot Skills** 1981 Oct;53(2):575–8

Mode-relations in language learning by language-deficient retarded subjects. Holdgrafer G. **Percept Mot Skills** 1981 Oct;53(2):520–2

[Down's syndrome as a psychological and social problem for the family] Cernay J, et al. **Cesk Pediatr** 1981 Sep; 36(9):541–4 (Eng. Abstr.) **(Slo)**

RADIOGRAPHY

[Radiological observation of the skeletal changes of trisomy 21 (author's transl)] Feng L.
Chung Hua Fang She Hsueh Tsa Chih 1982 Feb;16(1):36–9 **(Chi)**

REHABILITATION

Health visitor support for families with Down's syndrome infants. Cunningham CC, et al. **Child Care Health Dev** 1982 Jan-Feb;8(1):1–19

Regression including anorexia nervosa in a Down's syndrome adult: a seven year follow up. Fox R, et al.
J Behav Ther Exp Psychiatry 1981 Dec;12(4):351–4

The convenience sample as a source of data in the study of Down syndrome. Piper MC, et al.
J Ment Defic Res 1981 Sep;25(Pt 3):217–23

Integrating a Down's syndrome child in a classwide peer tutoring system: a case report. Cooke NL, et al.
Ment Retard 1982 Feb;20(1):22–5

Physical therapy and infants with Down's syndrome: the effects of early intervention. Harris SR. **Rehabil Lit** 1981 Nov-Dec;42(11-12):339–43

SURGERY

Plastic surgical management of children with Down's syndrome: indications and results. Olbrisch RR.
Br J Plast Surg 1982 Apr;35(2):195–200

THERAPY

Home teaching for pre-school handicapped children – a cognitive approach. Skidmore R.
Child Care Health Dev 1982 Mar-Apr;8(2):105–11

Effects of neurodevelopmental therapy on motor performance of infants with Down's syndrome. Harris SR.
Dev Med Child Neurol 1981 Aug;23(4):477–83

DOXAPRAM

PHARMACODYNAMICS

Electroencephalographic evidence of arousal in dogs from halothane after doxapram, physostigmine, or naloxone. Roy RC, et al. **Anesthesiology** 1981 Oct;55(4):392–7

Ventilatory and circulatory effects of doxapram, mediated by carotid body chemoreceptors. Folgering H, et al.
Bull Eur Physiopathol Respir 1981;17(2):237–41

Stimulation of carotid chemoreceptors and ventilation by doxapram in the cat. Nishino T, et al. **J Appl Physiol** 1982 May;52(5):1261–5

Biphasic effect of doxapram on hypnotic activity of pentobarbital in mice. Sasaki K. et al.
J Pharmacobiodyn 1981 Jun;4(6):394–401

THERAPEUTIC USE

Effect of doxapram on postoperative oxygenation in obese patients. Hollway TE, et al. **Anaesthesia** 1982 Jul; 37(7):718–21

Doxapram and the fractured femur. Owen H, et al.
Anaesthesia 1982 Mar;37(3):301–4

The use of doxapram in the prevention of postoperative pulmonary complications. Steele RJ, et al.
Surg Gynecol Obstet 1982 Apr;154(4):510–2

[Respiratory stimulant (author's transl)] Kishi F, et al.
Kokyu To Junkan 1981 Jun;29(6):619–21 **(Jpn)**

DOXEPIN

Solubility and ionization characteristics of doxepin and desmethyldoxepin. Embil K, et al. **J Pharm Sci** 1982 Feb; 71(2):191–3

ADVERSE EFFECTS

Impairment of hepatic drug oxidation by propoxyphene. Abernethy DR, et al. **Ann Intern Med** 1982 Aug; 97(2):223–4

Acute stomatitis associated with doxepin therapy. Salem RB, et al. **Drug Intell Clin Pharm** 1981 Dec;15(12):992–3

Malignant breast change in man given two drugs associated with breast hyperplasia [letter] Smedley HM. **Lancet** 1981 Sep 19;2(8247):638–9

ANALOGS & DERIVATIVES

Protein binding of doxepin and desmethyldoxepin. Virtanen R, et al. **Acta Pharmacol Toxicol (Copenh)** 1982 Aug; 51(2):159–64

Solubility and ionization characteristics of doxepin and desmethyldoxepin. Embil K, et al. **J Pharm Sci** 1982 Feb; 71(2):191–3

BLOOD

Single dose pharmacokinetics of doxepin in healthy volunteers. Virtanen R, et al.
Acta Pharmacol Toxicol (Copenh) 1980 Nov;47(5):371–6

Doxepin plasma levels and therapeutic response in depression: preliminary findings. Ward NG, et al.
J Clin Psychopharmacol 1982 Apr;2(2):126–8

METABOLISM

Protein binding of doxepin and desmethyldoxepin. Virtanen R, et al. **Acta Pharmacol Toxicol (Copenh)** 1982 Aug; 51(2):159–64

High-affinity binding of [3H]doxepin to histamine H1-receptors in rat brain: possible identification of a subclass of histamine H1-receptors. Taylor JE, et al.
Eur J Pharmacol 1982 Mar 12;78(3):279–85

PHARMACODYNAMICS

Pharmacologic modulation of the whealing response to histamine in human skin: identification of doxepin as a potent in vivo inhibitor. Sullivan TJ.
J Allergy Clin Immunol 1982 Mar;69(3):260–7

THERAPEUTIC USE

Double-blind comparison of doxepin and desipramine in patients with primary affective disorder. Amsterdam JD, et al. **Acta Psychiatr Scand** 1982 Apr;65(4):292–300

Tricyclic antidepressants in the treatment of peptic ulcer disease. Mangla JC, et al. **Arch Intern Med** 1982 Feb; 142(2):273–5

Doxepin as an adjunct in the treatment of chronic pain. Aronoff GM, et al. **J Clin Psychiatry** 1982 Aug;43(8 Pt 2):42–7 (43 ref.)

Doxepin effects on chronic pain, depression and plasma opioids. Hameroff SR, et al. **J Clin Psychiatry** 1982 Aug; 43(8 Pt 2):22–7

Doxepin and cimetidine in the treatment of duodenal ulcer: an open clinical and endoscopic study. Ruud TE, et al.
J Clin Psychiatry 1982 Aug;43(8 Pt 2):56–60

Dothiepin versus doxepin for reactive depression. Evans L, et al. **Med J Aust** 1981 Aug 8;2(3):147–8

A comparative study of the therapeutic effect and cardiotoxicity of dothiepin HCl and doxepin HCl in reactive depression. Evans L, et al.
Prog Neuropsychopharmacol 1981;5(4):389–93

Doxepin in the treatment of duodenal ulcer. An open clinical and endoscopic study comparing doxepin and cimetidine. Hoff GS, et al. **Scand J Gastroenterol** 1981;16(8):1041–2

[Multicenter clinical trial of sinequan premedication in endoscopy of the upper gastrointestinal tract] Gabryelewicz A, et al. **Wiad Lek** 1981 Jun 1;34(11):895–9 (Eng. Abstr.) **(Pol)**

DOXORUBICIN

Possible incompatibility of doxorubicin hydrochloride with aluminum [letter] Gardiner WA. **Am J Hosp Pharm** 1981 Sep;38(9):1276

The molecular basis for complexation of adriamycin with flavin mononucleotide and flavin adenine dinucleotide. Kharasch ED, et al. **Arch Biochem Biophys** 1981 Nov; 212(1):20–36

Adriamycin inhibits the formation of non-bilayer lipid structures in cardiolipin-containing model membranes. Goormaghtigh E, et al. **Biochim Biophys Acta** 1982 Feb 23;685(2):137–43

Novel preparation method of immunogen for hydrophobic hapten, enzyme immunoassay for daunomycin and adriamycin. Fujiwara K, et al. **J Immunol Methods** 1981; 45(2):195–203

Interaction of adriamycin with DNA as studied by resonance Raman spectroscopy. Manfait M, et al.
Nucleic Acids Res 1982 Jun 25;10(12):3803–16

Adriamycin and related anthracycline antibiotics. Brown JR.
Prog Med Chem 1978;15:125–64 (275 ref.)

A differential interaction of doxorubicin and daunorubicin with human serum proteins. Zunino F, et al. **Tumori** 1981 Oct 31;67(5):399–403

[Chemotherapy of thyroid carcinoma (author's transl)] Brunner K. **Praxis** 1982 Apr 6;71(14):603–5 (Eng. Abstr.) **(Ger)**

ADMINISTRATION & DOSAGE

Effects of steroid sex hormones and adriamycin on human bladder cancer cells in culture. Yoshimoto J, et al.
Acta Med Okayama 1982 Feb;36(1):61–6

High-dose methotrexate and adriamycin in osteogenic sarcoma: the children's hospital of Philadelphia study. Lange B, et al. **Am J Clin Oncol** 1982 Feb;5(1):3–8

A controlled trial of single dose intravesical adriamycin in superficial bladder tumours. Abrams PH, et al.
Br J Urol 1981 Dec;53(6):585–7

Short-term treatment for acute myelogenous leukaemia. Bell R, et al. **Br Med J [Clin Res]** 1982 Apr 24;284(6324):1221–4

Intravesical therapy with adriamycin in urothelial dysplasia and early carcinoma in situ. Glashan RW, et al.
Can J Surg 1982 Jan;25(1):30–2

A complete response in metastatic malignant thymoma to cis-platinum, doxorubicin and cyclophosphamide: a case report. Campbell MG, et al. **Cancer** 1981 Sep 15;

48(6):1315–7
Adriamycin and methyl-CCNU combination therapy in hepatocellular carcinoma: clinical and pharmacokinetic aspects. Chlebowski RT, et al. **Cancer** 1981 Sep 1; 48(5):1088–95
A phase II evaluation of adriamycin and cis-platinum in hormone resistant prostate cancer. Citrin DL, et al. **Cancer** 1982 Jul 15;50(2):201–6
Impaired PWM-induced polyclonal B-cell activation in patients with malignancies treated with various intermittent combination chemotherapies including doxorubicin. Horino N. **Cancer** 1982 Aug 15;50(4):659–67
Cisplatin, adriamycin, and etoposide (CAV) for remission induction of small-cell bronchogenic carcinoma. Klastersky J, et al. **Cancer** 1982 Aug 15;50(4):652–8
Multifocal relapse after concurrent chemotherapy and radiotherapy of small cell lung cancer. Kreisman H, et al. **Cancer** 1982 Sep 1;50(5):873–6
Treatment of tissue extravasation by antitumor agents. Larson DL. **Cancer** 1982 May 1;49(9):1796–9
Adriamycin therapy by continuous intravenous infusion in patients with metastatic breast cancer. Legha SS, et al. **Cancer** 1982 May 1;49(9):1762–6
Prolymphocytic leukemia: treatment with combination chemotherapy to include doxorubicin. Taylor HG, et al. **Cancer** 1982 Apr 15;49(8):1524–9
Adriamycin combinations in advanced breast cancer. A Southwest Oncology Group Study. Tranum BL, et al. **Cancer** 1982 Mar 1;49(5):835–9
Effects of alpha-difluoromethylornithine alone and combined with adriamycin or vindesine on L1210 leukemia in mice, EMT6 solid tumors in mice, and solid tumors induced by injection of hepatoma tissue culture cells in rats. Bartholeyns J, et al. **Cancer Res** 1981 Dec;41(12 Pt 1):5158–61
Phase I and pharmacological studies of adriamycin administered intraperitoneally to patients with ovarian cancer. Ozols RF, et al. **Cancer Res** 1982 Oct;42(10):4265–9
Schedule-dependent synergism of combinations of hydroxyurea with adriamycin and 1-beta-D-arabinofuranosylcytosine with adriamycin. Ritch PS, et al. **Cancer Res** 1981 Oct;41(10):3881–4
Phase II trial cisplatin, doxorubicin, and cyclophosphamide (CAP) in the treatment of urothelial transitional cell carcinoma. Campbell M, et al. **Cancer Treat Rep** 1981 Sep–Oct;65(9–10):897–9
Combination chemotherapy for bronchogenic carcinoma with doxorubicin, BCNU, and cyclophosphamide (ABC): a pilot study of the Southeastern Cancer Study Group. Denes AE, et al. **Cancer Treat Rep** 1982 Jan;66(1):199–200
Cyclophosphamide, doxorubicin, and cisplatin in the treatment of non-small cell bronchogenic carcinoma. Evans WK, et al. **Cancer Treat Rep** 1981 Nov–Dec; 65(11–12):947–54
Doxorubicin hypogastric artery infusion combined with hyperthermia therapy for transitional cell carcinoma of the bladder. Jacobs SC, et al. **Cancer Treat Rep** 1981 Sep–Oct; 65(9–10):891–3
Cyclophosphamide, doxorubicin, and cisplatin in the treatment of advanced non-small cell lung cancer. Knost JA, et al. **Cancer Treat Rep** 1981 Nov–Dec;65(11–12):941–5
Local and systemic toxicity resulting from large-volume ip administration of doxorubicin in the rat. Litterst CL, et al. **Cancer Treat Rep** 1982 Jan;66(1):157–61
Doxorubicin, mitomycin, and 5-FU (DMF) in the treatment of hormone-resistant stage D prostate cancer: a preliminary report. Logothetis CJ, et al. **Cancer Treat Rep** 1982 Jan; 66(1):57–63
Management of pelvic complications of malignant urothelial tumors with combined intra-arterial and iv chemotherapy. Logothetis CJ, et al. **Cancer Treat Rep** 1982 Jul; 66(7):1501–7
Doxorubicin and cisplatin therapy in children with neuroblastoma resistant to conventional therapy: a Southwest Oncology Group Study. Nitschke R, et al. **Cancer Treat Rep** 1981 Nov–Dec;65(11–12):1105–8
High-dose doxorubicin: an exploration of the dose-response curve in human neoplasia. Wheeler RH, et al. **Cancer Treat Rep** 1982 Mar;66(3):493–8
ABVD chemotherapy in the treatment of Hodgkin's disease. Bonadonna G, et al. **Cancer Treat Rev** 1982 Mar;9(1):21–35 (42 ref.)
Drug-carrier property of albumin microspheres in chemotherapy. V. Antitumor effect of microsphere-entrapped adriamycin on liver metastasis of AH 7974 cells in rats. Morimoto Y, et al. **Chem Pharm Bull (Tokyo)** 1981 May;29(5):1433–8
Combination chemotherapy with adriamycin and 5-fluorouracil in advanced bladder carcinoma. Veronesi A, et al. **Clin Oncol** 1982 Jun;8(2):103–6
Intravesical instillation with adriamycin + tween 80 in patients with superficial bladder tumors: a preliminary report. Eksborg S, et al. **Eur Urol** 1982;8(4):213–5
Kinetically directed combination therapy with adriamycin and x-irradiation in a mammary tumor model. Braunschweiger PG, et al. **Int J Radiat Oncol Biol Phys** 1981 Jun;7(6):747–53
The effect of dose rate and adriamycin on the tolerance of thoracic radiation in mice. Sherman DM, et al. **Int J Radiat Oncol Biol Phys** 1982 Jan;8(1):45–51
Triple drug chemotherapy in treatment of prostate adenocarcinoma. Pr A.I.-III. Drago JR, et al. **Invest Urol** 1981 Nov;19(3):191–3
Regional chemotherapy via the pulmonary artery for pulmonary metastases. Karakousis CP, et al. **J Surg Oncol** 1981;18(3):249–55
Changes in the urine protein profile following intravesical doxorubicin. Yu H, et al. **J Urol** 1982 Aug;128(2):272–5
Hematopoietic precursor cells in mice treated with 4-demethoxydaunorubicin and doxorubicin. Massa G, et al. **JNCI** 1982 Jun;68(6):971–6
Low-dose adriamycin remission maintenance for advanced acute lymphoblastic leukemia: a Southwest Oncology, Group study. Hvizdala E, et al. **Med Pediatr Oncol** 1981; 9(5):477–82
Synthesis of adriamycin-coupled polyglutaraldehyde microspheres and evaluation of their cytostatic activity. Tokes ZA, et al. **Proc Natl Acad Sci USA** 1982 Mar; 79(6):2026–30
Adriamycin effects and the interactions of adriamycin with X irradiation on murine mammary tumors. Dethlefsen LA, et al. **Radiat Res** 1982 Apr;90(1):165–72
Combination chemotherapy for metastatic brain tumors. Conte PF, et al. **Tumori** 1981 Dec 31;67(6):559–62
Adriamycin, bleomycin, vinblastine and DTIC in advanced diffuse lymphocytic poorly differentiated lymphoma. Grigoletto E, et al. **Tumori** 1981 Oct 31;67(5):477–81
Efficacy of combination therapy with intravesical instillation of doxorubicin and low-dose radiation for bladder cancer. Comparison with Instillation of Doxorubicin alone. Kagawa S, et al. **Urology** 1981 Nov;18(5):478–81
[Intravesical instillation of adriamycin in the aftertreatment of transurethrally resected carcinoma of the urinary bladder (author's transl)] Flamm J. **Urol Int** 1981;36(5):292–7 (Eng. Abstr.) **(Ger)**
[The topical use of doxorubicin in the prevention of recurrence of superficial tumors of the bladder after transurethral resection. Preliminary note] Ghiron P, et al. **Minerva Urol** 1982 Jan–Mar;34(1):45–7 **(Ita)**
[A case of inoperable esophageal carcinoma responding to adriamycin and FT 207 suppository for more than one year (author's transl)] Kabuto T, et al. **Nippon Gan Chiryo Gakkai Shi** 1981 Jun 20;16(3):409–13 (Eng. Abstr.) **(Jpn)**
[Chemotherapy for advanced gynecological carcinoma with cis-dichlorodiammineplatinum (II), adriamycin and/or cyclophosphamide after failure of initial treatment (author's transl)] Takizawa K, et al. **Nippon Gan Chiryo Gakkai Shi** 1981 Oct 20; 16(6):1292–1302 (Eng. Abstr.) **(Jpn)**
[Experimental studies on intravesical instillation of adriamycin enhanced with adjuvant hydrostatic pressure technique (author's transl)] Doi J. **Nippon Hinyokika Gakkai Zasshi** 1981 Aug;72(8):995–1005 (Eng. Abstr.) **(Jpn)**
[Study on the effect on intravesical instillation of an anti-tumor drug in the treatment of urinary bladder tumors using an electron microscope (author's transl)] Fujioka Y. **Nippon Ika Daigaku Zasshi** 1982;49(3):353–69 (Eng. Abstr.) **(Jpn)**
[Combined administration of cisplatin and adriamycin in active ovarian neoplasm] Sekiya M, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1982 Mar; 34(3):397–400 **(Jpn)**
[Adrianycin as intracavitary coadjuvant treatment of superficial bladder tumors. Our initial experiences] Martinez Lasierra M, et al. **Actas Urol Esp** 1981 Jul–Aug; 5(4):219–22 (Eng. Abstr.) **(Spa)**
[Combined adriamycin and 5-fluorouracil therapy in the treatment of advanced cancer of the bladder (author's transl)] Marcuello Gaspar E, et al. **Med Clin (Barc)** 1982 Jul 1–31;79(3):107–9 (Eng. Abstr.) **(Spa)**

ADVERSE EFFECTS

Dose-effect and structure-function relationships in doxorubicin cardiomyopathy. Bristow MR, et al. **Am Heart J** 1981 Oct;102(4):709–18
Doxorubicin toxicity [letter] Legha SS, et al. **Ann Intern Med** 1981 Oct;95(4):520–1
Reduction of doxorubicin cardiotoxicity by prolonged continuous intravenous infusion. Legha SS, et al. **Ann Intern Med** 1982 Feb;96(2):133–9
Reversible doxorubicin-induced congestive heart failure. Cohen M, et al. **Arch Intern Med** 1982 Aug;142(8):1570–1
Renal and haemopoietic proliferative defects as a delayed consequence of cis-platin, adriamycin and daunomycin treatments. Braunschweiger PG, et al. **Br J Cancer** 1982 Mar;45(3):421–8
Prevention of doxorubicin-induced alopedia by scalp hypothermia: relation to degree of cooling. Gregory RP, et al. **Br Med J [Clin Res]** 1982 Jun 5;284(6330):1674
Efficacy and cost of cardiac monitoring in patients receiving doxorubicin. Bristow MR, et al. **Cancer** 1982 Jul 1; 50(1):32–41
Toxic epidermal injury following intraarterial adriamycin treatment. von Eyben FE, et al. **Cancer** 1981 Oct 1; 48(7):1535–8
A phase of I trial of 4'-epi-Adriamycin. Schauer PK, et al. **Cancer Clin Trials** 1981 Winter;4(4):433–7
Doxorubicin-induced chronic cardiotoxicity and its protection by liposomal administration. Rahman A, et al. **Cancer Res** 1982 May;42(5):1817–25
Prevention of doxorubicin-induced skin ulcers in the rat and pig with dimethyl sulfoxide (DMSO). Desai MH, et al. **Cancer Treat Rep** 1982 Jun;66(6):1371–4
Pharmacologic antidotes to experimental doxorubicin skin toxicity: a suggested role for beta-adrenergic compounds. Dorr RT, et al. **Cancer Treat Rep** 1981 Nov–Dec; 65(11–12):1001–6
Human myocardial morphologic and functional changes in the first 24 hours after doxorubicin administration. Unverferth DV, et al. **Cancer Treat Rep** 1981 Nov–Dec; 65(11–12):1093–7
Esophago-pulmonary toxicity from concomitant use of adriamycin and irradiation. Son YH, et al. **Conn Med** 1981 Dec;45(12):755–9
Adriamycin toxicity. Effects in subsequent anesthesia and surgery. Caviale P, et al. **J Kans Med Soc** 1981 Dec; 82(12):553, 574
Hypersensitivity reactions to adriamycin: two case reports. Prados M. **J La State Med Soc** 1981 Oct;133(10):154–5
Comparative toxicity of chemotherapy following partial hepatectomy. Grosfeld JL, et al. **J Pediatr Surg** 1981 Dec; 16(6):950–4
The regulation of protein synthesis in heart muscle under normal conditions and in the adriamycin-cardiomyopathy. Zähringer J. **Klin Wochenschr** 1981 Dec 1;59(23):1273–87
Myocardial injury immediately following adriamycin administration. Oster MW, et al. **Med Pediatr Oncol** 1981; 9(5):463–5
Protection by alpha-tocopherol and dimethylsulfoxide (DMSO) against adriamycin induced skin ulcers in the rat. Svingen BA, et al. **Res Commun Chem Pathol Pharmacol** 1981 Apr; 32(1):189–92
[Non-invasive methods in the monitoring of patients treated with adriamycin] Rozo L, et al. **Arch Mal Coeur** 1981 Nov; 74(11):1341–8 (Eng. Abstr.) **(Fre)**
[Renal lesions after irradiation and chemotherapy with adriamycin, vincristin and 5-fluoro-uracil (author's transl)] Birembaut P, et al. **Nephrologie** 1981;2(1):11–4 (Eng. Abstr.) **(Fre)**
[Echocardiographic evaluation of adriamycin cardiotoxicity during polychemotherapy (author's transl)] Christmann D, et al. **Nouv Rev Fr Hematol** 1981 Sep;23(3):149–54 (Eng. Abstr.) **(Fre)**
[Anthracyclin-cardiomyopathy (author's transl)] Kothe K, et al. **Arch Geschwulstforsch** 1982;52(2):141–54 (Eng. Abstr.) **(Ger)**
[The significance of notches or bites in the vectorcardiogram. Study in cardiopathy caused by adriamycin] Vitolo E, et al. **Boll Soc Ital Cardiol** 1980;25(9):1073–5 **(Ita)**
[Myocardial disease caused by adriamycin. Experimental animal models and possible pharmacologic prevention] Decorti G, et al. **Minerva Med** 1982 May 7;73(19):1275–82 (Eng. Abstr.) **(Ita)**
[Tissue damage after extravasal deposition of doxorubicin] Tropé C, et al. **Lakartidningen** 1982 Apr 28;79(17):1686–8 (Eng. Abstr.) **(Swe)**

ANALOGS & DERIVATIVES

Cross resistance and cellular uptake of 4'-O-methyldoxorubicin in experimental tumors with acquired resistance to doxorubicin. Di Marco A, et al. **Cancer Chemother Pharmacol** 1981;7(1):15–20
Fluorescence assays and pharmacokinetic studies of 4'-deoxydoxorubicin and doxorubicin in organs of mice bearing solid tumors. Formelli F, et al. **Cancer Chemother Pharmacol** 1981;5(3):139–44
Distribution of radioactivity and anthracycline-fluorescence in tissues of mice one hour after [14C]-labeled AD 32 administration. Evidence for tissue aglycone formation. Israel M, et al. **Cancer Chemother Pharmacol** 1981; 6(1):25–30
Tissue distribution of doxorubicin and doxorubicinol in rats receiving multiple doses of doxorubicin. Peters JH, et al. **Cancer Chemother Pharmacol** 1981;7(1):65–9
4'-O-tetrahydropyranyladriamycin as a potential new antitumor agent. Tsuruo T, et al. **Cancer Res** 1982 Apr; 42(4):1462–7
Growth state-specific responsiveness of primary cultures of a nude mouse-xenografted human colon carcinoma to 4'-deoxydoxorubicin and a crude human leukocyte alpha-interferon preparation. van der Bosch J, et al. **Cancer Res** 1982 Sep;42(9):3789–92
In vitro responses of nude mouse-xenografted human colon carcinomas exposed to doxorubicin derivatives in tissue culture and in the mouse. Zirvi KA, et al. **Cancer Res** 1982 Sep;42(9):3793–7
Effect of 4'-doxorubicin analogs on heterotransplantation of human tumors in congenitally athymic mice. Giuliani FC, et al. **Cancer Treat Rep** 1981 Nov–Dec;65(11–12):1063–75
Inhibition of cardiac guanylate cyclase by doxorubicin and some of its analogs: possible relationship to cardiotoxicity. Lehotay DC, et al. **Cancer Treat Rep** 1982 Feb;66(2):311–6
New anthracycline glycosides: 4-O-demethyl-11-deoxydoxorubicin and analogues from Streptomyces peucetius var. aureus. Cassinelli G, et al. **J Antibiot (Tokyo)** 1982 Feb;35(2):176–83
3'-deamino-3'-morpholino derivatives of daunomycin, adriamycin and carminomycin. Takahashi Y, et al. **J Antibiot (Tokyo)** 1982 Jan;35(1):117–8
Isotachophoretic determination of adriamycin and adriamycinol in human plasma. Akedo H, et al. **J Chromatogr** 1982 Jan 8;227(1):262–5
Determination of 4'-epidoxorubicin and its 13-dihydro

derivative in human plasma by high-performance liquid chromatography with fluorescence detection. Moro E, et al. **J Chromatogr** 1982 Jun 11;230(1):207–11

Adriamycin analogues. Preparation and biological evaluation of some N-perfluoroacyl analogues of daunorubicin, adriamycin, and N-(trifluoroacetyl)adriamycin 14-valerate and their 9,10-anhydro derivatives. Israel M, et al. **J Med Chem** 1982 Feb;25(2):187–91

Adriamycin analogues. Preparation and antitumor evaluation of 7-O-(beta-D-glucosaminyl)daunomycinone and 7-O-(beta-D-glucosaminyl)adriamycinone and their N-trifluoroacetyl derivatives. Israel M, et al. **J Med Chem** 1982 Jan;25(1):24–8

Adriamycin analogues. Preparation of 9,10-anhydrodaunorubicin, 9,10-anhydroadriamycin, and some related compounds. Potti G, et al. **J Med Chem** 1982 Apr;25(4):478–81

Neurotoxicity of quelamycin in the rat. Jortner BS, et al. **Neurotoxicology (Park Forest Il)** 1981 Dec;2(4):789–92

ANALYSIS

Quantitation of daunorubicin, doxorubicin, and their aglycones by ion-pair reversed-phase chromatography. Haneke AC, et al. **J Pharm Sci** 1981 Oct;70(10):1112–5

ANTAGONISTS & INHIBITORS

Prevention of doxorubicin cardiac toxicity in the mouse by N-acetylcysteine. Doroshow JH, et al. **J Clin Invest** 1981 Oct;68(4):1053–64

BIOSYNTHESIS

Microbial conversion of daunomycin, carminomycin I and feudomycin A to adriamycin. Oki T, et al. **J Antibiot (Tokyo)** 1981 Sep;34(9):1229–31

BLOOD

Quantitative determination of adriamycin and daunorubicin–handling of blood and plasma samples. Eksborg S, et al. **Acta Pharm Suec** 1981;18(4):215–20

Evaluation of a commercially available radioimmunoassay kit for measurement of doxorubicin in plasma. Piall E, et al. **Clin Chem** 1982 Jan;28(1):119–21

Tween 80 increases plasma adriamycin concentrations in mice by an apparent reduction of plasma volume. Harrison SD Jr, et al. **Eur J Cancer** 1981 Apr;17(4):387–9

Adriamycin distribution in plasma and blood cells of cancer patients with altered hematocrit. Piazza E, et al. **Eur J Cancer Clin Oncol** 1981 Oct;17(10):1089–96

Differential adriamycin distribution to blood components. Colombo T, et al. **Eur J Drug Metab Pharmacokinet** 1981; 6(2):115–22

Isotachophoretic determination of adriamycin and adriamycinol in human plasma. Akedo H, et al. **J Chromatogr** 1982 Jan 8;227(1):262–5

Determination of 4'-epidoxorubicin and its 13-dihydro derivative in human plasma by high-performance liquid chromatography with fluorescence detection. Moro E, et al. **J Chromatogr** 1982 Jun 11;230(1):207–11

Initial observations on the effects of delta 9-tetrahydrocannabinol on the plasma pharmacokinetics of cyclophosphamide and doxorubicin. Riggs CE Jr, et al. **J Clin Pharmacol** 1981 Aug–Sep;21(8–9 Suppl):90S–98S

A Fickian diffusion transport process with features of transport catalysis. Doxorubicin transport in human red blood cells. Dalmark M, et al. **J Gen Physiol** 1981 Oct; 78(4):349–64

Effects of prior therapy on plasma levels of adriamycin during subsequent therapy. Gessner T, et al. **J Med** 1981; 12(2–3):183–93

Does adriamycin undergo an enterohepatic circulation? Tavoloni N, et al. **Proc Soc Exp Biol Med** 1982 Jan; 169(1):41–6

Characteristics of doxorubicin transport in human red blood cells. Dalmark M. **Scand J Clin Lab Invest** 1981 Nov; 41(7):633–9

METABOLISM

Metabolic activation of adriamycin by NADPH-cytochrome P-450 reductase, rat liver and heart microsomes and covalent protein binding of metabolites. Scheulen ME, et al. **Adv Exp Med Biol** 1981;136 Pt A:471–85

Reactions of Adriamycin with haemoglobin. Superoxide dismutase indirectly inhibits reactions of the Adriamycin semiquinone. Bates DA, et al. **Biochem J** 1982 Apr 1; 203(1):155–60

Role of one-electron and two-electron reduction products of adriamycin and daunomycin in deoxyribonucleic acid binding. Sinha BK, et al. **Biochem Pharmacol** 1981 Sep 15; 30(18):2626–9

Time dependency of adriamycin [letter] Gil P, et al. **Bull Cancer (Paris)** 1982;69(1):58

Fluorescence assays and pharmacokinetic studies of 4'-deoxydoxorubicin and doxorubicin in organs of mice bearing solid tumors. Formelli F, et al. **Cancer Chemother Pharmacol** 1981;5(3):139–44

Tissue distribution of doxorubicin and doxorubicinol in rats receiving multiple doses of doxorubicin. Peters JH, et al. **Cancer Chemother Pharmacol** 1981;7(1):65–9

Cellular pharmacokinetics of aclacinomycin A in cultured L1210 cells. Comparison with daunorubicin and doxorubicin. Zenebergh A, et al. **Cancer Chemother Pharmacol** 1982;8(2):243–9

Digitized video fluorescence microscopy studies of adriamycin interaction with single P388 leukemic cells. Yanovich S, et al. **Cancer Res** 1982 Sep;42(9):3583–6

Altered hepatic disposition of doxorubicin in the perfused rat liver at hyperthermic temperatures. Skibba JL, et al. **Cancer Treat Rep** 1982 Jun;66(6):1357–63

Interaction of adriamycin in vitro with cardiac myofibrillar proteins. Lewis W, et al. **Circ Res** 1982 Apr;50(4):547–53

Comparative uptake of adriamycin and daunorubicin in sensitive and resistant friend leukemia cells measured by flow cytometry. Tapiero H, et al. **Cytometry** 1982 Mar; 2(5):298–302

Evidence of altered influx of adriamycin into anthracycline-resistant cells. Sugimoto Y, et al. **J Antibiot (Tokyo)** 1981 Aug;34(8):1064–6

Covalent protein binding of reactive adriamycin metabolites in rat liver and rat heart microsomes. Scheulen ME, et al. **J Cancer Res Clin Oncol** 1982;103(1):39–48

Development and identification of a multicompartment model for the distribution of adriamycin in the rat. Sonneveld P, et al. **J Pharmacokinet Biopharm** 1981 Oct; 9(5):577–601

Intracellular adriamycin levels and cytotoxicity in adriamycin-sensitive and adriamycin-resistant P388 mouse leukemia cells. Ganapathi R, et al. **JNCI** 1982 Jun; 68(6):1027–32

Tissue disposition of doxorubicin in experimental animals. Lee YT, et al. **Med Pediatr Oncol** 1982;10(3):259–67

Plasma and tissue distribution of adriamycin in patients with pelvic cancer. Piazza E, et al. **Tumori** 1981 Dec 31; 67(6):533–7

Body residue and metabolism of adriamycin and daunorubicin in control and phenobarbital-pretreated mice. Bolanowska W, et al. **Xenobiotica** 1982 Feb;12(2):125–36

Body residue and metabolism of adriamycin and daunorubicin in control and phenobarbital-pretreated mice. Bolanowska W, et al. **Xenobiotica** 1982 Feb;12(2):125–36

PHARMACODYNAMICS

Adriamycin cardiotoxicity. Prognostic value of the systolic time intervals. Chaudron JM, et al. **Acta Cardiol (Brux)** 1982;37(2):105–15

Alterations in cell surface membranes in Chinese hamster lung cell resistant to adriamycin. Garman D, et al. **Biochem Biophys Res Commun** 1982 Mar 15;105(1):157–63

Adriamycin inactivates cytochrome c oxidase by exclusion of the enzyme from its cardiolipin essential environment. Goormaghtigh E, et al. **Biochem Biophys Res Commun** 1982 Jan 15;104(1):314–20

A 'hexokinase effect' in the inhibition of oxidative phosphorylation in heart muscle mitochondria by adriamycin. Muhammed H, et al. **Biochem Biophys Res Commun** 1982 Apr 29;105(4):1440–5

Inhibition by adriamycin of calmodulin-sensitive and phospholipid-sensitive calcium-dependent phosphorylation of endogenous proteins from heart. Katoh N, et al. **Biochem J** 1981 Jul 15;198(1):199–205

Restored in vitro sensitivity of adriamycin- and vincristine-resistant P388 leukemia with reserpine. Inaba M, et al. **Biochem Pharmacol** 1981 Aug 1;30(15):2191–4

Stimulation by adriamycin of rat heart and liver microsomal NADPH-dependent lipid peroxidation. Mimnaugh EG, et al. **Biochem Pharmacol** 1981 Oct;30(20):2797–804

Adriamycin-mediated inhibition of creatine phosphokinase binding to heart mitochondrial membrane. Newman RA, et al. **Biochem Pharmacol** 1982 Jan 1;31(1):109–11

Repair of deoxyribonucleic acid lesions caused by adriamycin and ellipticine. Ross WE, et al. **Biochem Pharmacol** 1982 May 15;31(10):1931–5

Adriamycin-induced compaction of isolated chromatin. Waldes H, et al. **Biochem Pharmacol** 1982 Mar 15; 31(6):1057–61

Oxidative destruction of erythrocyte ghost membranes catalyzed by the doxorubicin-iron complex. Myers CE, et al. **Biochemistry** 1982 Apr 13;21(8):1707–12

Protein-associated deoxyribonucleic acid strand breaks in L1210 cells treated with the deoxyribonucleic acid intercalating agents 4'-(9-acridinylamino) methanesulfon-m-anisidide and adriamycin. Zwelling LA, et al. **Biochemistry** 1981 Nov 10;20(23):6553–63

Adriamycin-induced changes in the surface membrane of sarcoma 180 ascites cells. Murphree SA, et al. **Biochim Biophys Acta** 1981 Dec 7;649(2):317–24

DNA double-stranded breaks in mammalian cells after exposure to intercalating agents. Ross WE, et al. **Biochim Biophys Acta** 1981 Jun 26;654(1):129–34

Interaction between heparin and adriamycin in mice bearing the Lewis lung carcinoma. Colombo T, et al. **Biomedicine** 1981 Dec;34(3):124–8

Effect of different physiological conditions on the action of adriamycin on Chinese hamster cells in vitro. Born R, et al. **Br J Cancer** 1981 Aug;44(2):241–6

Resistance to the cytocidal effects of adriamycin is an early phenotypic change induced during hepatocarcinogenesis. Carr BI, et al. **Br J Cancer** 1981 Oct;44(4):567–71

A comparison of adriamycin and mAMSA in vitro: cell lethality and SCE studies. West C, et al. **Br J Cancer** 1981 Dec;44(6):798–809

Effectiveness of the adriamycin-DNA complex in kidney allograft immunosuppression. Smeesters C, et al. **Can J Surg** 1981 Nov;24(6):597–600

Effect of doxorubicin on liver regeneration and host survival after two-thirds hepatectomy in rats. Tanaka Y, et al. **Cancer** 1982 Jan 1;49(1):19–24

Cross resistance and cellular uptake of 4'-O-methyldoxorubicin in experimental tumors with acquired resistance to doxorubicin. Di Marco A, et al. **Cancer Chemother Pharmacol** 1981;7(1):15–20

Cytotoxicity of doxorubicin for normal hematopoietic and acute myeloid leukemia cells of the rat. Sonneveld P, et al. **Cancer Chemother Pharmacol** 1981;5(3):167–73

Enhanced survival of adriamycin-treated Chinese hamster cells by 2-deoxy-D-glucose and 2,4-dinitrophenol. Colofiore JR, et al. **Cancer Res** 1982 Oct;42(10):3934–40

In vivo RNA synthesis of the hearts of adriamycin-treated rats. Dalbow DG, et al. **Cancer Res** 1982 Jan;42(1):79–83

Adriamycin-activated macrophages as tumor growth inhibitors. Haskill JS. **Cancer Res** 1981 Oct;41(10):3852–6

Comparison of the effects of dihydroxyanthraquinone and adriamycin on the survival of cultured Chinese hamster cells. Kimler BF, et al. **Cancer Res** 1982 Sep;42(9):3631–6

Tumoricidal effect of macrophages exposed to adriamycin in vivo or in vitro. Martin F, et al. **Cancer Res** 1982 Sep; 42(9):3851–7

Cytotoxicity and DNA strand breaks by 5-iminodaunorubicin in mouse leukemia L1210 cells: comparison with adriamycin and 4'-(9-acridinylamino)methanesulfon-m-anisidide. Zwelling LA, et al. **Cancer Res** 1982 Jul;42(7):2687–91

Inhibition of cardiac guanylate cyclase by doxorubicin and some of its analogs: possible relationship to cardiotoxicity. Lehotay DC, et al. **Cancer Treat Rep** 1982 Feb;66(2):311–6

Further studies on adriamycin induced in vitro lipid peroxidation. Facchinetti T, et al. **Chem Biol Interact** 1982 Feb;38(3):357–67

Comparative inhibition of nuclear RNA synthesis in cultured mouse leukemia L1210 cells by adriamycin and 4'-epi-adriamycin. Wilson RG, et al. **Chem Biol Interact** 1981 Nov;37(3):351–63

Adriamycin-induced decrease of myocardial contraction reserve in rats treated with dobutamine. Höfling B, et al. **Eur J Cancer Clin Oncol** 1982 Jan;18(1):75–80

An ultrastructural study of the effects of adriamycin on the dorsal root ganglia of young and adult rats. Eddy EL, et al. **Exp Neurol** 1982 Aug;77(2):275–85

Potentiation of the biological activities of daunomycin and adriamycin by ascorbic acid and dimethylsulfoxide. Marián M, et al. **Experientia** 1982 May 15;38(5):573–4

The cardiotoxic antibiotic doxorubicin inhibits the Na+/Ca2+ exchange of dog heart sarcolemmal vesicles. Caroni P, et al. **FEBS Lett** 1981 Aug 3;130(2):184–6

Mechanism of natural resistance to vincristine in rat ascites hepatoma AH66. Inaba M, et al. **Gan** 1981 Aug;72(4):562–8

Enhanced adriamycin—induced delayed gastrointestinal radiosensitivity in tumor-bearing mice. Kovacs CJ, et al. **Int J Radiat Oncol Biol Phys** 1981 Oct;7(10):1389–95

Effects of methotrexate on ribonucleotide pools in growing and in growth-arrested tumor cells and antagonism by RNA synthesis inhibitors. Kaminskas E. **J Biol Chem** 1982 Apr 25;257(8):4279–84

Heart mitochondrial DNA synthesis: preferential inhibition by adriamycin. Hixon SC, et al. **J Mol Cell Cardiol** 1981 Sep;13(9):855–60

Adriamycin damage: in vivo repair by lymphoma cells. Potmesil M, et al. **JNCI** 1981 Dec;67(6):1259–63

The effect of preoperative adriamycin and dihydroxyanthracenedione on wound healing. Mullen BM, et al. **Laryngoscope** 1981 Sep;91(9 Pt 1):1436–43

Sister-chromatid exchange and chromosomal aberrations by DHAQ and related anthraquinone derivatives in Chinese hamster ovary cells. Nishio A, et al. **Mutat Res** 1982 Mar; 101(1):77–86

Sister-chromatid exchange induction by cis-platinum/adriamycin cancer chemotherapy. Wiencke JK, et al. **Mutat Res** 1982 Apr;104(1–3):131–6

Acute negative inotropic effect of adriamycin (doxorubicin). Höfling B, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1981 Nov;317(3):252–6

Inhibition of RNA dependent DNA polymerases by anthracycline antibiotics. Bogdány L, et al. **Neoplasma** 1982;29(1):37–42

Biochemical and morphological study of adriamycin-induced changes in murine neuroblastoma cells. Schengrund CL, et al. **Oncology** 1982 May–Jun;39(3):185–90

The effect of vivo doxorubicin (adriamycin) and aclacinomycin administration on guanylate cyclase activity in rat tissue. Lehotay DC, et al. **Proc Soc Exp Biol Med** 1981 Sep;167(4):459–62

Adriamycin induced alterations in canine Purkinje fiber action potential. Rabkin SW, et al. **Res Commun Chem Pathol Pharmacol** 1981 Oct;34(1):55–67

Attempt at quantification of the cytotoxic drug-induced changes of the human bone marrow compartments. Schreml W, et al. **Scand J Haematol** 1982 Feb;28(2):151–62

The effects of adriamycin in vitro and in vivo on hepatic microsomal drug-metabolizing enzymes: role of microsomal lipid peroxidation. Mimnaugh EG, et al. **Toxicol Appl Pharmacol** 1981 Dec;61(3):313–25

[Adriamycin and autologous bone marrow transplantation. Preclinical studies in dogs (author's transl)] Bodenberger U, et al. **Blut** 1982 Feb;44(2):115–20 (Eng. Abstr.) (Ger)

[Behaviour of bone marrow and splenic hemopoietic stem

cells following administration of anthracyclines] Massa G, et al. **Boll Soc Ital Biol Sper** 1981 Jun 30;57(12):1311–5 (Eng. Abstr.) **(Ita)**

[Activity of nonspecific hepatic oxidases and the biological effects of the antineoplastic antibiotic adriamycin] Bogush TA, et al. **Biull Eksp Biol Med** 1981 Oct;91(10):458–60 (Eng. Abstr.) **(Rus)**

RADIATION EFFECTS

Photolytic destruction of adriamycin [letter] Daugherty JP, et al. **J Pharm Pharmacol** 1981 Aug;33(8):556

THERAPEUTIC USE

Tissue distribution and antitumor effect of liposome-entrapped doxorubicin (adriamycin) in Ehrlich solid tumor-bearing mouse. Shinozawa S, et al. **Acta Med Okayama** 1981 Dec;35(6):395–405

Adriamycin in management of malignant hemangiopericytoma. Morris DM, et al. **Am Surg** 1981 Oct; 47(10):441–6

Advanced extragonadal germ-cell tumors. Successful treatment with combination chemotherapy. Hainsworth JD, et al. **Ann Intern Med** 1982 Jul;97(1):7–11

Malignant angioendotheliomatosis proliferans treated with doxorubicin. Keahey TM, et al. **Arch Dermatol** 1982 Jul; 118(7):512–4

Cytosine arabinoside with daunorubicin or adriamycin for therapy of acute myelocytic leukemia: a CALGB study. Yates J, et al. **Blood** 1982 Aug;60(2):454–62

In vivo tumour-cell proliferation after adriamycin treatment. Rowley R, et al. **Br J Cancer** 1982 Mar;45(3):429–37

Combined intravesical therapy with doxorubicin (adriamycin) and urokinase in the management of superficial bladder tumours. Khan O, et al. **Br J Urol** 1982 Jun;54(3):280–2

Metastatic thymoma with myasthenia gravis: complete remission with combination chemotherapy. Butler WM, et al. **Cancer** 1982 Aug 1;50(3):419–22

Intrathoracic soft tissue sarcomas in children. Crist WM, et al. **Cancer** 1982 Aug 1;50(3):598–604

Doxorubicin-hexamethylmelamine therapy of small cell carcinoma of the lung. Dara P, et al. **Cancer** 1981 Nov 1;48(9):1944–6

Sequential cyclophosphamide and doxorubicin for induction of complete remission in children with disseminated neuroblastoma. Green AA, et al. **Cancer** 1981 Nov 15; 48(10):2310–7

A prognostic factor analysis for use in development of predictive models for response in adult acute leukemia. Keating MJ, et al. **Cancer** 1982 Aug 1;50(3):457–65

Combination chemotherapy with cyclophosphamide, vincristine, prednisone and the contribution of adriamycin in the treatment of adult non-Hodgkin's lymphomas a report of 131 cases. Parlier Y, et al. **Cancer** 1982 Aug 1; 50(3):401–9

Prediction of remission in adult acute leukemia: development and testing of predictive models. Smith TL, et al. **Cancer** 1982 Aug 1;50(3):466–72

Doxorubicin, Cyclophosphamide and VP16-213 (ACE) in the treatment of small cell lung cancer. Aisner J, et al. **Cancer Chemother Pharmacol** 1982;7(2-3):187–93

VP16-213, cisplatinum, and adriamycin salvage therapy of refractory and/or recurrent nonseminomatous germ cell neoplasms. Mortimer J, et al. **Cancer Chemother Pharmacol** 1982;7(2-3):215–8

Adriamycin and VP16-213 combination treatment for breast cancer previously treated by the CMF regimen. Perez Manga G, et al. **Cancer Chemother Pharmacol** 1982; 7(2-3):231–3

Use of an efficient method for culturing human mammary epithelial cells to study adriamycin sensitivity. Smith HS, et al. **Cancer Chemother Pharmacol** 1981;6(3):237–44

Adriamycin plus vincristine alone or with dibromodulcitol or ICRF-159 in metastatic breast cancer. Cummings FJ, et al. **Cancer Clin Trials** 1981 Fall;4(3):253–60

Thoracic radiation therapy and Adriamycin/cisplatin-containing chemotherapy for locally advanced non-small-cell lung cancer. Eagan RT, et al. **Cancer Clin Trials** 1981 Winter;4(4):381–8

Zinostatin and doxorubicin. A combination phase I study. Isseil BF, et al. **Cancer Clin Trials** 1981 Fall;4(3):323–6

Response to doxorubicin and mitomycin in cholangiocarcinoma: a case report [letter] Adolphson CC, et al. **Cancer Treat Rep** 1982 Jan;66(1):209–10

Phase II study of doxorubicin and mitomycin in non-small cell bronchogenic carcinoma. Coates AS, et al. **Cancer Treat Rep** 1982 Jan;66(1):177–8

Combination cyclophosphamide, doxorubicin, and cisplatin (CAP) chemotherapy for extensive non-small cell carcinomas of the lung. Davis S, et al. **Cancer Treat Rep** 1981 Nov-Dec;65(11-12):955–8

Phase II study of 4'-epi-doxorubicin in metastatic renal cancer. Fossâ SD, et al. **Cancer Treat Rep** 1982 May; 66(5):1219–21

Assessment of in vivo effectiveness of tumoricidal chemotherapy and radiation therapy by serial analysis of tumor-associated urinary antigen titers in patients with sarcoma. Huth JF, et al. **Cancer Treat Rep** 1981 Nov-Dec; 65(11-12):1037–42

Phase II trial of doxorubicin therapy for advanced islet cell carcinoma. Moertel CG, et al. **Cancer Treat Rep** 1982 Jul; 66(7):1567–9

Increased relative effectiveness of doxorubicin against slowly proliferating sarcoma 180 cells after prolonged drug exposure. Ritch PS, et al. **Cancer Treat Rep** 1982 May; 66(5):1159–68

Combined doxorubicin and radiation therapy in malignant pleural mesothelioma. Sinoff C, et al. **Cancer Treat Rep** 1982 Aug;66(8):1605–7

Experience of the Eastern Cooperative Oncology Group with doxorubicin as a single agent in patients with previously untreated breast cancer [letter] Taylor SG, et al. **Cancer Treat Rep** 1982 Jul;66(7):1594–5

Limited squamous cell carcinoma of the lung: a Southwest Oncology Group randomized study of radiation with or without doxorubicin chemotherapy and with or without levamisole immunotherapy. White JE, et al. **Cancer Treat Rep** 1982 May;66(5):1113–20

Sequential studies of daunorubicin and adriamycin in acute nonlymphocytic leukemia. Wiernik PH. **Cancer Treat Rep** 1981;65 Suppl 4:67–71

Effect of selected intravitreal drugs after severe penetrating injury in rabbits. Meyers SM, et al. **Curr Eye Res** 1981; 1(8):471–7

Estrogen-linked cytotoxic agents of potential value for the treatment of breast cancer. Leclercq G, et al. **Eur J Cancer** 1980;Suppl 1:287–93

Adjuvant intermittent chemo-immunotherapy of breast cancer. A prospective study. Schreml W, et al. **Eur J Cancer** 1980;Suppl 1:165–8

Vindesine as a single agent and in combination with adriamycin in the treatment of metastatic breast carcinoma. Smith IE, et al. **Eur J Cancer** 1980;Suppl 1:271–3

Effect of medroxyprogesterone acetate and doxorubicin on sublines of 13762 mammary adenocarcinoma in rats. Formelli F, et al. **Eur J Cancer Clin Oncol** 1981 Nov; 17(11):1211–21

Remission-induction, consolidation and maintenance therapy by AVA protocol in acute nonlymphoblastic leukemia. Torlontano G, et al. **Haematologica (Pavia)** 1982 Apr; 67(2):230–45

In vitro and in vivo efficacy of conjugates of daunomycin with anti-tumor antibodies. Arnon R, et al. **Immunol Rev** 1982;62:5–27 (43 ref.)

Combination adriamycin/misonidazole toxicity in V79 spheroids. Durand RE, et al. **Int J Radiat Oncol Biol Phys** 1982 Mar-Apr;8(3-4):603–5

Combined radiotherapy and chemotherapy with cyclophosphamide, adriamycin, methotrexate, procarbazine (CAMP) in 64 consecutive patients with epidermoid bronchogenic carcinoma, limited disease: a prospective study. Trovò MG, et al. **Int J Radiat Oncol Biol Phys** 1982 Jun;8(6):1051–4

Doxorubicin for treatment of canine lymphosarcoma after development of resistance to combination chemotherapy. Calvert CA, et al. **J Am Vet Med Assoc** 1981 Nov 15; 179(10):1011–2

Improved three-year disease-free survival in osteogenic sarcoma. Bleyer WA, et al. **J Bone Joint Surg [Br]** 1982; 64(2):233–8

The treatment of head and neck carcinoma with adriamycin and bleomycin using adjuvant hyperthermia. Fairman HD. **J Laryngol Otol** 1982 Mar;96(3):251–63

The role of chemotherapy as an adjuvant to surgery in the initial treatment of primary soft tissue sarcomas in adults. Das Gupta TK, et al. **J Surg Oncol** 1982 Mar;19(3):139–44

Preliminary trial of combination therapy with adriamycin and radiation in sarcomas and other malignant tumors. Sordillo PP, et al. **J Surg Oncol** 1982 Sep;21(1):23–6

Pathologic effects of pre-cystectomy therapy with combination intra-arterial doxorubicin hydrochloride and local bladder hyperthermia for bladder cancer. Jacobs SC, et al. **J Urol** 1982 Jan;127(1):43–7

Chemotherapy of L1210 leukemia with 5-azacytidine in combination with vincristine, adriamycin, or beta-cytosine arabinoside. Presant CA, et al. **JNCI** 1981 Dec;67(6):1283–8

DNA damage in AML cell exposed to adriamycin; correlations with clinical response to therapy. Schwartz HS, et al. **Leuk Res** 1981;5(4-5):363–6

Treatment of adult acute lymphocytic leukemia. Letendre L, et al. **Mayo Clin Proc** 1982 Jul;57(7):426–30

Sequential combination of vincristine, adriamycin and cyclophosphamide (VAC), and radiotherapy in advanced non-small-cell lung cancer. Wils JA, et al. **Neth J Med** 1982;25(2):43–6

Monochemotherapy (Adriamycin) for metastatic breast cancer in progression after sequential hormone-chemotherapy (MAP and CMF). Pilot study. Pannuti F, et al. **Panminerva Med** 1981 Jan-Mar;23(1):25–8

Adjuvant intermittent chemoimmunotherapy for primary breast cancer: a prospective study with immunologic follow-up. Betzler M, et al. **Recent Results Cancer Res** 1982;80:185–91

Adjuvant treatment of node-positive breast cancer with adriamycin-cyclophosphamide with or without radiation therapy: interim results of an ongoing clinical trial. Jones SE, et al. **Recent Results Cancer Res** 1982;80:162–9

Cyclophosphamide, doxorubicin and celestin intubation for inoperable oesophageal carcinoma. Nicolaou N, et al. **S Afr Med J** 1982 Mar 20;61(12):428–31

The anticancer agent adriamycin can be actively cytotoxic without entering cells. Triton TR, et al. **Science** 1982 Jul 16;217(4556):248–50

Comparison of radiotherapy alone and radiotherapy with chemotherapy using adriamycin and 5-fluorouracil in bronchogenic carcinoma. Anderson G, et al. **Thorax** 1981 Mar;36(3):190–3

Pre-operative intra-arterial chemotherapy for bladder cancer. Nakazono M, et al. **Urol Res** 1981;9(6):289–95

[Therapeutic efficiency of adriamycin in mice, bearing transplanted or autochthonous solid tumors. Drug and fluorescent metabolites plasmatic levels (author's transl)] Denechaud M, et al. **Bull Cancer (Paris)** 1981;68(4):313–20 (Eng. Abstr.) **(Fre)**

[Should one treat with systemic adriamycin inoperable hepatocellular cancer in cirrhosis?] Ballet F, et al. **Gastroenterol Clin Biol** 1982 Mar;6(3):267–71 **(Fre)**

[Treatment of advanced epidermoid carcinoma of the oesophagus with combined 5-fluorouracil, adriamycin and cis-platinum (FAP)] Gisselbrecht C, et al. **Nouv Presse Med** 1982 May 22;11(24):1859–62 (Eng. Abstr.) **(Fre)**

[Adriamycin for the treatment of non HOdgkin's lymphomas (author's transl)] Parlier Y, et al. **Sem Hop Paris** 1981 Nov 8-25;57(41-42):1685–90 (Eng. Abstr.) **(Fre)**

[The effects of combined chemotherapy (adriamycin/VM/26/CCNU) in brian tumours in adults and animal experiments (author's transl)] Ilsen HW, et al. **Fortschr Neurol Psychiatr** 1982 Mar;50(3):73–90 (Eng. Abstr.) **(Ger)**

[Topical chemoprophylaxis with adriamycin for superficial bladder carcinoma. Clinical and experimental aspects (author's transl)] Rübben H, et al. **Urologe [Ausg A]** 1982 Jan;21(1):20–3 (Eng. Abstr.) **(Ger)**

[Chemotherapy of a rat brain tumor model by innoculation of ascites hepatoma cells—effects of ACNU and adriamycin, and their tissue concentrations (author's transl)] Kida Y, et al. **Neurol Med Chir (Tokyo)** 1981 Aug; 21(8):839–46 (Eng. Abstr.) **(Jpn)**

[Activity of hepatic nonspecific oxidases and the biological effects of antitumor preparations] Bogush TA, et al. **Vestn Akad Med Nauk SSSR** 1981;(7):34–41 (Eng. Abstr.) **(Rus)**

TOXICITY

Protective role of the glutathione redox cycle against adriamycin-mediated toxicity in isolated hepatocytes. Babson JR, et al. **Biochem Pharmacol** 1981 Aug 15; 30(16):2299–304

Effects of adriamycin on heart and skeletal muscle chromatin. Van Helden PD, et al. **Biochem Pharmacol** 1982 Mar 15; 31(6):973–7

Soft-tissue necrosis induced by extravasated cancer chemotherapeutic agents: a study of active intervention. Barr RD, et al. **Br J Cancer** 1981 Aug;44(2):267–9

Reduction of adriamycin toxicity by ascorbate in mice and guinea pigs. Fujita K, et al. **Cancer Res** 1982 Jan; 42(1):309–16

Pharmacology and toxicity of intracarotid adriamycin administration following osmotic blood-brain barrier modification. Neuwelt EA, et al. **Cancer Res** 1981 Nov; 41(11 Pt 1):4466–70

Ganglioneuropathy in rabbits and a rhesus monkey due to high cumulative doses of doxorubicin. Bronson RT, et al. **Cancer Treat Rep** 1982 Jun;66(6):1349–55

Doxorubicin cytotoxicity enhanced by local anesthetics in a human melanoma cell line. Chlebowski RT, et al. **Cancer Treat Rep** 1982 Jan;66(1):121–5

Safety assessment of a new anticancer compound, mitoxantrone, in beagle dogs: comparison with doxorubicin. I. Clinical observations. Henderson BM, et al. **Cancer Treat Rep** 1982 May;66(5):1139–43

Safety assessment of new anticancer compound, mitoxantrone, in beagle dogs: comparison with doxorubicin. II. Histologic and ultrastructural pathology. Sparano BM, et al. **Cancer Treat Rep** 1982 May; 66(5):1145–58

In vivo studies on adriamycin-induced lipid peroxidation and effects of ferrous ions. Kappus H, et al. **Dev Toxicol Environ Sci** 1980;8:635–8

Characterization, toxicity and therapeutic efficacy of adriamycin encapsulated in liposomes. Olson F, et al. **Eur J Cancer Clin Oncol** 1982 Feb;18(2):167–76

Effect of hepatic irradiation on the toxicity and pharmacokinetics of adriamycin in children. Holcenberg JS, et al. **Int J Radiat Oncol Biol Phys** 1981 Jul;7(7):953–6

Effects of adriamycin on rat heart cells in culture: increased accumulation and nucleoli fragmentation in cardiac muscle v. non-muscle cells. Lampidis TJ, et al. **J Mol Cell Cardiol** 1981 Oct;13(10):913–24

A quantitative analysis of leptomeric fibrils in an adriamycin/carnitine chronic mouse model. Payne CM. **J Submicrosc Cytol** 1982 Apr;14(2):337–45

Superoxide anion radical (O2) generation by adriamycin and anthraquinone analogues. Chinami M, et al. **Kurume Med J** 1981;28(1):9–13

Mechanism of Adriamycin cardiotoxicity: evidence for oxidative stress. Olson RD, et al. **Life Sci** 1981 Oct 5; 29(14):1393–401 (44 ref.)

Adriamycin experimental cardiomyopathy in Swiss mice. Different effects of two calcium antagonistic drugs on ADM - induced cardiomyopathy. Klugmann S, et al. **Pharmacol Res Commun** 1981 Sep;13(8):769–76

The effect of first-dose doxorubicin on the cyclic nucleotide levels of the human myocardium. Unverferth DV, et al.

Toxicol Appl Pharmacol 1981 Aug;60(1):151–4
Possible prevention from the progression of cardiotoxicity in adriamycin-treated rabbits by coenzyme Q10. Usui T, et al. **Toxicol Lett** 1982 Jun;12(1):75–82
Comparison of cardiotoxicity of two anthracenediones and doxorubicin in rats. Zbinden G, et al. **Toxicol Lett** 1982 May;11(3–4):289–97
Lack of oncogenic activity of doxorubicin and daunorubicin in BALB/C mice. Bucciarelli E, et al. **Tumori** 1982 Feb 28;68(1):1–3
A comparison of the lethal and kinetic effects of doxorubicin and 4'-epi-doxorubicin in vitro. Hill BT, et al. **Tumori** 1982 Feb 28;68(1):29–37
Cardiomyopathy of doxorubicin in experimental animals, Factors affecting the severity, distribution and evolution of myocardial lesions. Solcia E, et al. **Tumori** 1981 Oct 31;67(5):461–72
[Myocardial accumulation of 99mTc MDP in patients subjected to extended adriblastin treatment. Protective effect of strophanthin and vitamin E] Ciambellotti E. **Minerva Med** 1982 Jan 14;73(1–2):21–4 (Eng. Abstr.) **(Ita)**
[Evaluation of doxorubicin toxicity on normal hemopoietic stem cells] Muzzulini C, et al. **Tumori** 1981 Aug; 67(4):293–300 **(Ita)**

DOXYCYCLINE

[Kinetics of the hydrolysis of doxycycline in solution (II)] Szieb K, et al. **Acta Pharm Hung** 1982 Mar;52(2):56–60 (Eng. Abstr.) **(Hun)**
[Kinetics of the hydrolysis of doxycycline in solution] Szieb K, et al. **Acta Pharm Hung** 1982 May;52(3):108–11 (Eng. Abstr.) **(Hun)**

ADMINISTRATION & DOSAGE

Short-term systemic prophylaxis with cefoxitin and doxycycline in colorectal surgery. A prospective, randomized study. Ivarsson L, et al. **Am J Surg** 1982 Aug; 144(2):257–61
Treatment of chancroid with single-dose doxycycline compared with a two-day course of co-trimoxazole. Meheus A, et al. **Ann Soc Belg Med Trop** 1981 Mar; 61(1):119–24
A controlled trial of amoxycillin with clavulanic acid (BRL 25000) against doxycycline in chronic bronchitis. Ulmer WT, et al. **J Int Med Res** 1981;9(5):372–7
[Doxycycline, tablets or capsules? (letter)] Merkus FW. **Ned Tijdschr Geneeskd** 1982 Jan 30;126(5):203 **(Dut)**
[Doxycycline therapy of acne] Kovalev VM. **Vestn Dermatol Venerol** 1981 Aug;(8):49–52 (Eng. Abstr.) **(Rus)**
[Determination of the optimal therapeutic doses of benemycin and vibramycin using a morphometric analysis of the blood neutrophilic granules in chronic pyodermia] Padarian GN. **Vestn Dermatol Venerol** 1981 Aug;(8):12–5 (Eng. Abstr.) **(Rus)**

ADVERSE EFFECTS

Phototoxic reactions from some common drugs provoked by a high-intensity UVA lamp. Rosén K, et al. **Acta Derm Venereol (Stockh)** 1982;62(3):246–8
Doxycycline-induced esophageal ulcer: value of Lugol's solution vital staining [letter] Papazian A, et al. **Gastrointest Endosc** 1981 Aug;27(3):201
[Doxycycline, tablets or capsules? (letter)] van Royen-Versluis A. **Ned Tijdschr Geneeskd** 1982 May 15; 126(20):921–2 **(Dut)**
[Esophageal lesions caused by doxycycline] Zijnen-Suyker MP, et al. **Ned Tijdschr Geneeskd** 1981 Aug 25; 125(35):1407–10 (Eng. Abstr.) **(Dut)**
[Doxycycline induced ulcerations of the oesophagus (author's transl)] Barbier P, et al. **Acta Gastroenterol Belg** 1981 Sep-Oct;44(9–10):424–9 (Eng. Abstr.) **(Fre)**
[Photo-onycholysis induced by doxycycline] Jeanmougin M, et al. **Ann Dermatol Venereol** 1982;109(2):165–6 **(Fre)**
[Esophageal ulcer following treatment with doxycycline (letter)] Cleau D. **Gastroenterol Clin Biol** 1982 May; 6(5):510–1 **(Fre)**
[Pathogenesis of ulcers induced by taking doxycycline (letter)] Delpre G, et al. **Gastroenterol Clin Biol** 1981; 5(8–9):813–4 **(Fre)**

ANALOGS & DERIVATIVES

The effect of intravenous doxycycline hyclate on total parenteral nutrition in protein malnourished rats. Lees CD, et al. **JPEN** 1981 Nov-Dec;5(6):510–2
[Esophageal ulcers induced by doxycycline. Evaluation of 4 cases] Ramírez Ramos A, et al. **Acta Gastroenterol Latinoam** 1981;11(2):309–13 (Eng. Abstr.) **(Spa)**

ANALYSIS

Penetration of doxycycline in aqueous humour. (After oral administration in humans). Kulshrestha OP, et al. **Indian J Ophthalmol** 1981 OCT;29(3):251–2

BLOOD

Antibiotic treatment of acute salpingitis. A study of plasma concentrations of two tetracyclines (doxycycline and lymecycline). Forslin L, et al. **Acta Obstet Gynecol Scand** 1982;61(1):59–64

METABOLISM

Effect of alcoholic beverages on the pharmacokinetics of doxycycline in man. Mattila MJ, et al. **Acta Pharmacol Toxicol (Copenh)** 1982 May;50(5):370–3
Comparison of distribution of doxycycline in mice after oral and intravenous application measured by a high-performance liquid chromatographic method. Böcker R, et al. **Arzneimittelforsch** 1981;31(12):2116–7
Is the administration of doxycycline still indicated in bacterial infections of the gallbladder and the bile ducts? Moorthi K, et al. **Eur J Clin Pharmacol** 1981;20(1):35–8
Sputum and plasma doxycycline concentrations after a single oral 600 mg doxycycline dose in patients with chronic bronchitis. Marlin GE, et al. **Eur J Respir Dis** 1981 Aug; 62(4):276–80
Influence of subsalicylate bismuth on absorption of doxycycline. Ericsson CD, et al. **JAMA** 1982 Apr 23; 247(16):2266–7
[Minocycline and doxycycline concentrations in the serum, urine, prostatic fluid and prostatic tissue] Friesen A, et al. **Fortschr Med** 1982 Apr 8;100(13):605–8 **(Ger)**
[Doxycycline pharmacokinetics in chronic kidney failure patients treated by hemodialysis] Stuczanowski W. **Ann Acad Med Stetin** 1981;27:313–30 (Eng. Abstr.) **(Pol)**

PHARMACODYNAMICS

Comparative evaluation of the effects of tetracycline and doxycycline on blood and liver lipids on male and female mice. Böcker R, et al. **Arzneimittelforsch** 1981; 31(12):2118–20
Comparative evaluation of the effects of tetracycline, rolitetracycline and doxycycline on some blood parameters related to liver function. Böcker R, et al. **Arzneimittelforsch** 1982;32(3):237–41
Studies on the phagocytic activity of human and rat polymorphonuclear cells exposed to doxycycline in vivo. Melby K, et al. **Chemotherapy** 1981;27(6):452–8
In vitro sensitivity of Rickettsia rickettsii to doxycycline. Wisseman CL, et al. **J Infect Dis** 1982 Apr;145(4):584
Influence of three antimicrobial agents--penicillin, metronidazole, and doxycyclin--on the intestinal microflora of healthy humans. Bjørneklett A, et al. **Scand J Gastroenterol** 1981;16(4):473–80

THERAPEUTIC USE

A single dose tinidazole and doxycycline prophylaxis in elective surgery of colon and rectum. A prospective controlled clinical multicenter study. Giercksky KE, et al. **Ann Surg** 1982 Feb;195(2):227–31
Single dose doxycycline prophylaxis and peroperative bacteriological culture in elective colorectal surgery. Törnqvist A, et al. **Br J Surg** 1981 Aug;68(8):565–8
Studies of chronic bronchitis show impact of antibiotic selection [letter] **Infect Control** 1982 May-Jun;3(3):210, 215
The use of doxycycline to control heartwater in sheep. Immelman A, et al. **J S Afr Vet Assoc** 1982 Mar;53(1):23–4
Doxycycline in non-specific urethritis [letter] Gollow MM, et al. **Med J Aust** 1981 Dec 12–26;2(12–13):644–5
Clinical usefulness of amikacin and doxycycline in the treatment of infection due to Mycobacterium fortuitum and Mycobacterium chelonei. Dalovisio JR, et al. **Rev Infect Dis** 1981 Sep-Oct;3(5):1068–74
Doxycycline. Cunha BA, et al. **Ther Drug Monit** 1982; 4(2):115–35 (156 ref.)
Doxycycline in the treatment of falciparum malaria among aborigine children in West Malaysia. Ponnampalam JT. **Trans R Soc Trop Med Hyg** 1981;75(3):372–7
[Doxycycline in pleuro-pulmonary pathology] Zegaya M, et al. **Tunis Med** 1981 Sep-Oct;59(5):401–7 (Eng. Abstr.) **(Fre)**
[Doxycycline therapy in practice] Dette GA, et al. **Med Welt** 1982 Mar 26;33(12):456–7 **(Ger)**
[Therapeutic experience in the treatment of Rickettsia conorii infections with a single dose of doxycycline] Demartino G, et al. **Clin Ter** 1981 Apr 15;97(1):59–62 (Eng. Abstr.) **(Ita)**

DOXYLAMINE see under **PYRIDINES**

DPN see **NAD**

DFNASE see **NAD NUCLEOSIDASE**

DRACUNCULOSIS

COMPLICATIONS

Lumbar extradural compression by guinea worm infestation. Mathur PP, et al. **Surg Neurol** 1982 Feb;17(2):127–9

OCCURRENCE

Endemic dracontiasis in Anambra State of Nigeria: geographical distribution, clinical features, epidemiology and socio-economic impact of the disease. Nwosu AB, et al. **Ann Trop Med Parasitol** 1982 Apr;76(2):187–200
Dracontiasis in Rajasthan. VI. Epidemiology of dracontiasis in Barmer district, Western Rajasthan, India. Johnson S, et al. **Int J Epidemiol** 1982 Mar;11(1):26–30
Guineaworm disease in selected rural areas of Dungarpur district, Rajasthan. Paul RC, et al. **J Commun Dis** 1981 Sep;13(3):207–10
Guinea worm disease in India—current status and strategy of its eradication. Rao CK, et al. **J Commun Dis** 1981 Mar; 13(1):1–7
Dracontiasis in western Rajasthan, India. Johnson S, et al. **Trans R Soc Trop Med Hyg** 1982;76(1):36–40
The existence of Dracunculus medinensis (Linnaeus, 1758) in Turkana, Kenya. Macpherson CN. **Trans R Soc Trop Med Hyg** 1981;75(5):680–1
[Dracunculus medinensis infestation following holidays in West Africa. Epidemiological implications (author's transl)] Carme B, et al. **Nouv Presse Med** 1981 Sep 19;10(33):2711–3 (Eng. Abstr.) **(Fre)**
[The 1st case of imported dracunculosis in Yugoslavia] Antonović S, et al. **Srp Arh Celok Lek** 1981 Oct; 109(10):1399–1404 (Eng. Abstr.) **(Scc)**

PATHOLOGY

Testicular dracunculosis--a distinct clinical entity. Pendse AK, et al. **Br J Urol** 1982 Feb;54(1):56–8

PREVENTION & CONTROL

Guinea worm control: testing the efficacy of health education in primary care. Akpovi SU, et al. **Int J Health Educ** 1981; 24(4):229–37
Lessons learnt from the intensified campaign against smallpox in India and their possible applicability to other health programmes, with particular reference to eradication of dracunculiasis. Sharma MI. **J Commun Dis** 1980 Jun; 12(2):59–64
Global eradication of guinea worm [editorial] Bourne PG. **J R Soc Med** 1982 Jan;75(1):1–3
Program to eradicate dracunculiasis--India. **MMWR** 1981 Nov 13;30(44):549

RADIOGRAPHY

Dracunculiasis presenting as sterile abscess. Stelling CB. **AJR** 1982 Jun;138(6):1159–61

DRACUNCULUS

Faunistic studies on Indian cyclops with special reference to Delhi Region. Sharma SK, et al. **J Commun Dis** 1981 Mar;13(1):8–16

DRACUNCULUS MEDINENSIS see under **DRACUNCULUS**

DRAINAGE

Bedside drainage of abscesses with sonographic guidance in the desperately ill. Crass JR, et al. **AJR** 1982 Jul; 139(1):183–5
Drainage of abdominal abscesses guided by sonography. Grønvall S, et al. **AJR** 1982 Mar;138(3):527–9
Percutaneous biliary drainage in the management of biliary sepsis. Kadir S, et al. **AJR** 1982 Jan;138(1):25–9
Percutaneous drainage of postoperative intraabdominal abscesses. Martin EC, et al. **AJR** 1982 Jan;138(1):13–5
Cholecystectomy with and without drainage. A randomized, prospective study of 300 patients. Budd DC, et al. **Am J Surg** 1982 Mar;143(3):307–9
Endoscopically placed pancreaticobiliary stents and drains. Kozarek RA, et al. **Ariz Med** 1982 Jun;39(6):378–80
Aspiration around high-volume, low-pressure endotracheal cuff. Macrae W, et al. **Br Med J [Clin Res]** 1981 Nov 7; 283(6301):1220
Aspiration around high-volume, low-pressure endotracheal cuff [letter] Mehta S. **Br Med J [Clin Res]** 1982 Jan 9; 284(6309):115–6
Percutaneous antegrade biliary drainage: a nonoperative approach to biliary obstruction. Koven IH, et al. **Can J Surg** 1981 Nov;24(6):591–3
The use of drains in abdominal surgery. Philip RS. **Cleve Clin Q** 1982 Spring;49(1):51–7
Short-term thoracic duct drainage in drug resistant immunologically mediated glomerulonephritis. Evaluation of lymph and blood lymphocyte characteristics during drainage. Stefoni S, et al. **Clin Nephrol** 1981 Dec; 16(6):300–6
Interventional radiology of the biliary tract. Ferrucci JT Jr, et al. **Gastroenterology** 1982 May;82(5 Pt 1):974–85
Percutaneous cholecystostomy in obstructive jaundice. Teplick SK, et al. **Gastrointest Radiol** 1982;7(3):259–61
Surgical drains [editorial] Zafar M. **JPMA** 1981 Oct; 31(10):219
Drainage of thoracic empyema [letter] Benfield G. **Lancet** 1982 May 15;1(8281):1122
Chlorhexidine and urinary drainage bags [letter] Kunin CM. **Lancet** 1982 Mar 13;1(8272):626
Is a gastric drainage procedure necessary after proximal gastrectomy or esophagogastrectomy? Golematis BC, et al. **Mt Sinai J Med (NY)** 1982 Mar-Apr;49(2):140–3
Intracerebral hematoma: spontaneous cure by drainage into the middle ear. A case report. Bose B, et al. **Neurosurgery** 1982 Jan;10(1):103–4
External ventricular drainage in the management of posterior fossa tumors in children and adolescents. Papo I, et al.

Neurosurgery 1982 Jan;10(1):13–5
Cerebrospinal fluid drainage from a subarachnoid screw: a method for intracranial pressure reduction in some patients. Ropper AH. **Neurosurgery** 1982 Jan;10(1):91–2
Effect of plasma exchange and thoracic duct drainage on immunological status in glomerulonephritis. Bonomini V, et al. **Proc Eur Dial Transplant Assoc** 1981;18:736–42
A simple technique for replacing dislodged percutaneous drainage catheters. Train JS, et al. **Radiology** 1982 Mar; 142(3):790
Reappraisal of the problems of intra-abdominal abscess. Doberneck RC, et al. **Surg Gynecol Obstet** 1982 Jun; 154(6):875–9
Significance of excess drainage of bile in patients with chronic hepatic disease. Dumont AE.
Surg Gynecol Obstet 1982 Feb;154(2):209–13
A comparative study between Z-plasty and incision and drainage or excision with marsupialization for pilonidal sinuses. Hodgson WJ, et al. **Surg Gynecol Obstet** 1981 Dec; 153(6):842–4
Open peritoneal drainage as effective treatment of advanced peritonitis. Maetani S, et al. **Surgery** 1981 Nov;90(5):804–9
Transrectal drainage of pelvic abscess [letter] Ochsner A. **Surgery** 1981 Dec;90(6):1102
Newer adjunctive treatments for peritonitis. Richardson JD, et al. **Surgery** 1981 Nov;90(5):917–8
Kidney transplantation in patients submitted to deliberate transfusions, to random transfusions, and to thoracic duct drainage. Betuel H, et al. **Transplant Proc** 1982 Jun; 14(2):276–8
[Duodenal ulcer treated with truncal vagotomy and drainage. 259 consecutive operations in a Danish central hospital] Cetti R, et al. **Ugeskr Laeger** 1982 Mar 8;144(10):707–10 (Eng. Abstr.) **(Dan)**
[Therapy of functional disorders of the eustachian tubes with drainage tubes] Mees K. **MMW** 1982 Mar 19; 124(11):257–60 (Eng. Abstr.) **(Ger)**
[Importance of safety drainage in duodenal stump insufficiency] Schiebold KD, et al. **Zentralbl Chir** 1982; 107(7):409–12 **(Ger)**
[Small intestine incarceration after lateral abdominal drainage] Werner G, et al. **Zentralbl Chir** 1981; 106(21):1437–8 **(Ger)**
[Biliary drainage by a transhepatic-percutaneous route. 4 years' experience] Nicoli N, et al. **Chir Ital** 1982 Apr; 34(2):186–95 **(Ita)**
[Usefulness of drainage in the treatment of chronic osteomyelitis] Bielawski J, et al.
Chir Narzadow Ruchu Ortop Pol 1981;46(1):53–7 (Eng. Abstr.) **(Pol)**
[Percutaneous transhepatic biliary drainage in obstructive jaundice] Pinchuk L, et al. **Acta Gastroenterol Latinoam** 1981;11(2):279–84 (Eng. Abstr.) **(Spa)**

ADVERSE EFFECTS

Percutaneous biliary drainage: technical and catheter-related problems in 200 procedures. Mueller PR, et al. **AJR** 1982 Jan;138(1):17–23
Evidence for increased permeability in reexpansion pulmonary edema. Sprung CL, et al. **Am J Med** 1981 Sep; 71(3):497–500
Pulmonary complications of the McSwain Dart. Bayne CG. **Ann Emerg Med** 1982 Mar;11(3):136–7
Percutaneous transhepatic drainage in obstructive jaundice: advantages and problems. McPherson GA, et al.
Br J Surg 1982 May;69(5):261–4
The conduct of cholecystectomy: incision, drainage, bacteriology and postoperative complications. Lewis RT, et al. **Can J Surg** 1982 May;25(3):304–7
Re-expansion pulmonary edema: evidence for increased capillary permeability. Buczko GB, et al.
Can Med Assoc J 1981 Sep 1;125(5):460–1
Bile peritonitis after routine T-tube removal. Rosenberg N, et al. **J Med Soc NJ** 1981 Jul;78(7):532–3
Dangers of collapsible ventricular drainage systems. Technical note. Kaye AH, et al. **J Neurosurg** 1982 Feb; 56(2):305–6
External strangulated small-bowel hernia after intraperitoneal drainage [letter] Teasdale C, et al.
Lancet 1982 Feb 20;1(8269):459
Intracerebral hematoma after evacuation of chronic extracerebral fluid collections. Modesti LM, et al.
Neurosurgery 1982 Jun;10(6 Pt 1):689–93
'Circulatory changes caused by a closed, negative pressure drainage system after craniotomy.' Neurosurgery 9: 380–2, 1981. [letter] Vassilouthis J. **Neurosurgery** 1982 Jun;10(6 Pt 1):798
Pulmonary bile emboli following percutaneous cholangiography and biliary drainage. Armellin GM, et al. **Pathology** 1981 Jul;13(3):615–8
Retention of catheter fragment after thoracentesis: report of two cases. Sue DY, et al. **Postgrad Med** 1982 Jul; 72(1):101–2, 105–6
Hepatic artery-biliary fistula following percutaneous transhepatic biliary drainage. Druy EM. **Radiology** 1981 Nov;141(2):369–70
Intrahepatic abscess as a complication of long-term percutaneous internal biliary drainage. Pennington L, et al. **Surgery** 1982 Jun;91(6):642–5
Fatal iatrogenic exsanguination from pleural drain insertion into the inferior cava. Eriksson A.
Thorac Cardiovasc Surg 1982 Jun;30(3):191–3
Eventration of the diaphragm after intercostal drainage, with electromyographic investigation. Bar-Maor JA, et al.
Z Kinderchir 1981 Aug;33(4):359–62
[Complications due to prolonged use of T tube in the common bile duct (author's transl)] Jiang SZ.
Chung Hua Wai Ko Tsa Chih 1981 Jul;19(7):405–6 (Eng. Abstr.) **(Chi)**
[Repeated surgery in gastroduodenal ulcers] Myshkin KI, et al. **Khirurgiia (Mosk)** 1981 Sep;(9):26–9 (Eng. Abstr.) **(Rus)**

INSTRUMENTATION

Conversion from small (0.018 inch) to large (0.038 inch) guide wires in percutaneous drainage procedures. Cope C.
AJR 1982 Jan;138(1):170–1
New devices for biliary drainage and biopsy. Portner WJ, et al. **AJR** 1982 Jun;138(6):1191–5
Sump catheter for percutaneous abscess and fluid drainage by trocar or Seldinger technique. vanSonnenberg E, et al. **AJR** 1982 Sep;139(3):613–4
The McSwain Dart [editorial] McSwain NE.
Ann Emerg Med 1982 Mar;11(3):161–2
Use of transhepatic biliary stents in the treatment of obstructive jaundice. Kozarek RA, et al. **Ariz Med** 1981 Oct;38(10):765–7
The effect of surgical drainage materials on colonic healing. Smith SR, et al. **Br J Surg** 1982 Mar;69(3):153–5
Attachments to facilitate sterile flushing technique in patients with biliary stents. Kadir S, et al. **Gastrointest Radiol** 1982; 7(3):255–7
A new technique: percutaneous transhepatic biliary drainage. Wilson RL, et al. **J Kans Med Soc** 1981 Sep;82(9):390–2, 406
The universal ureteral stent. Smith AD. **J Urol** 1982 May; 127(5):892–3
Percutaneous radiographically guided catheter drainage of abdominal abscesses. vanSonnenberg E, et al. **JAMA** 1982 Jan 8;247(2):190–2
An improved system for external biliary drainage. Blenkharn JI, et al. **Lancet** 1981 Oct 10;2(8250):781–2
Treatment of spontaneous pneumothorax. Morrison JB.
Lancet 1981 Sep 26;2(8248):666–7
Drainage characteristics of the column disc catheter: a new chronic peritoneal access catheter. Thornhill JA, et al.
Proc Clin Dial Transplant Forum 1980;10:119–25
Brushing device to keep biliary drainage catheters clean. Severini A, et al. **Radiology** 1982 May;143(2):566
Performance of filtered sump wound drainage tubes. Spengler MD, et al. **Surg Gynecol Obstet** 1982 Mar; 154(3):333–6
A new patent drainage tube. Sugitachi A, et al.
Trans Am Soc Artif Intern Organs 1981;27:396–400
Prophylactic and therapeutic use of abdominal drains and percutaneous nephrostomies and stents for treatment of precarious ureteroileal anastomosis. Kaufman JJ, et al.
Urology 1982 Aug;20(2):118–20
[Symptomatology of the pleural drain (letter)] Rocmans P.
Acta Chir Belg 1982 Mar-Apr;(2):140 **(Fre)**
[Palliative U-tube intubation of tumours of the extrahepatic biliary tract (author's transl)] Ronsse H, et al. **Ann Chir** 1981 Dec;35(10):829–34 (Eng. Abstr.) **(Fre)**
[Percutaneous transhepatic internal biliary drainage using choledocal endoprosthesis. Preliminary experience on eleven cases (author's transl)] Portalez D, et al.
Ann Radiol (Paris) 1982 Mar;25(3):201–6 (Eng. Abstr.) **(Fre)**
[Treatment of non-traumatic obstructions of the lacrimal canal by permanent nasolacrimal drains (author's transl)] Lemagne JM. **J Fr Ophtalmol** 1981;4(8–9):575–7 (Eng. Abstr.) **(Fre)**
[The Menghini needle: a simple apparatus in creating additional sideports in percutaneous internal biliary drainage catheters (author's transl)] Dondelinger R.
J Radiol 1982 Feb;63(2):131–2 (Eng. Abstr.) **(Fre)**
[Tumours of the hepatic hilus. Palliative treatment by trans-hepatobiliary T-tube drainage (author's transl)] Benichou J. **Nouv Presse Med** 1982 Mar 6;11(11):863–4 (Eng. Abstr.) **(Fre)**
[Instruments for transhepatic placing of prostheses in malignant biliary tract obstruction] Hennig K, et al.
Chirurg 1981 Sep;52(9):602–4 **(Ger)**
[Thoracic suction drainage independent of a power supply or central apparatus] Knörig M, et al. **Chirurg** 1982 Jan; 53(1):57–8 **(Ger)**
[A clinical and experimental study on precious metal ventilation tubes (author's transl)] Heumann H, et al.
Laryngol Rhinol Otol (Stuttg) 1982 Jan;61(1):17–9 (Eng. Abstr.) **(Ger)**
[Drain for maintaining patency of an intranasal Antrostomy (author's transl)] Messingschlager W.
Laryngol Rhinol Otol (Stuttg) 1981 Oct;60(10):525–6 (Eng. Abstr.) **(Ger)**
[Percutaneous transhepatic biliary drainage and implantation of endoprostheses--a contribution of interventional radiology to the treatment of obstructive jaundice (author's transl)] Brühlmann W, et al. **Praxis** 1982 Mar 9; 71(10):408–14 (Eng. Abstr.) **(Ger)**
[The use of semi-flexible cannulae for the introduction of drainage catheters and endoprostheses into the bile ducts (author's transl)] Brühlmann W, et al. **ROFO** 1982 Jul; 137(1):100–2U **(Ger)**
[Repeated breaks of polyurethane catheters as a complication of internal bile duct drainage] Luska G, et al. **ROFO** 1981 Dec;135(6):731–3 **(Ger)**
[Sonography for percutaneous biliary drainage (author's transl)] Wimmer B, et al. **ROFO** 1981 Oct;135(4):466–70 (Eng. Abstr.) **(Ger)**
[Disturbances in surgical wound drains--principles and means of correction (author's transl)] Tittel K.
Unfallchirurgie 1981 Dec;7(6):283–8 (Eng. Abstr.) **(Ger)**
[Percutaneous kidney calculus removal] Frang D, et al.
Z Urol Nephrol 1982 Apr;75(4):275–7 (Eng. Abstr.) **(Ger)**
[Common bile duct drainage via an end-placed polyvinyl chloride tube] Kholiavko VK. **Klin Khir** 1981 Sep;(9):68–9 **(Rus)**
[Treatment of pleural effusion with pleurovenous shunt] Söderlund C. **Lakartidningen** 1982 Apr 14;79(15):1499–500 **(Swe)**

METHODS

Drainage of the abdominal cavity after abdominal missile trauma – a comparison of intestinal damage of three evacuation systems. Johansson L, et al.
Acta Chir Scand [Suppl] 1982;508:371–2
Percutaneous catheter biliary decompression. Clark RA, et al. **AJR** 1981 Sep;137(3):503–9
Endoscopic retrograde biliary drainage. Freeny PC, et al. **AJR** 1982 Aug;139(2):399–401
Triangulation: indirect CT guidance for abscess drainage. Gerzof SG. **AJR** 1981 Nov;137(5):1080–1
Percutaneous management of multiple liver abscesses. Greenwood LH, et al. **AJR** 1982 Aug;139(2):390–2
Enterocutaneous fistulae: interventional radiologic management. McLean GK, et al. **AJR** 1982 Apr; 138(4):615–9
Endoscopically placed biliary drains and stents. Kozarek RA.
Am Fam Physician 1982 Aug;26(2):189–92
Drainage in elective cholecystectomy. Farha GJ, et al.
Am J Surg 1981 Dec;142(6):678–80
Routine versus selective drainage of the gallbladder bed after cholecystectomy. Johnson G, et al. **Am J Surg** 1981 Dec; 142(6):651–3
Acute suppurative cholangitis: comparison of internal and external biliary drainage. Lygidakis NJ. **Am J Surg** 1982 Mar;143(3):304–6
Systematic approach to traumatic hemothorax. Weil PH, et al. **Am J Surg** 1981 Dec;142(6):692–4
Controversies in biliary drainage for choledocholithiasis and cholangiohepatitis in Singapore. Ti TK.
Ann Acad Med Singapore 1981 Apr;10(2):213–7
Drainage after cholecystectomy [letter]
Ann R Coll Surg Engl 1982 Sep;64(5):355
A randomised prospective trial of two drainage methods after cholecystectomy. Fraser I, et al. **Ann R Coll Surg Engl** 1982 May;64(3):183–5
Treatment of abdominal abscesses: comparative evaluation of operative drainage versus percutaneous catheter drainage guided by computed tomography or ultrasound. Johnson WC, et al. **Ann Surg** 1981 Oct;194(4):510–20
Stereotactic treatment of brain lesions. Biopsy, interstitial radiotherapy (iridium-192 and iodine-125) and drainage procedures. Mundinger F, et al. **Appl Neurophysiol** 1980; 43(3–5):198–204
Postural drainage: variability of patients' responses. Maloney FP, et al. **Arch Phys Med Rehabil** 1982 Sep;63(9):423–6
Ultrasound-directed percutaneous tapping of distended fetal abdomen. Settatree RS, et al. **Br J Obstet Gynaecol** 1982 Feb;89(2):173
Non-surgical drainage of intra-abdominal and mediastinal abscesses: a report of twelve cases. Karlson KB, et al.
Cardiovasc Intervent Radiol 1981;4(3):170–6
Computed tomography-guided percutaneous drainage of right upper abdominal abscesses. Kleinhaus U, et al.
Cardiovasc Intervent Radiol 1982;5(1):8–13
Percutaneous drainage of peridiverticular abscess followed by primary sigmoidectomy. Greco RS, et al.
Dis Colon Rectum 1982 Jan-Feb;25(1):53–5
Endoscopic decompression and drainage of benign and malignant biliary obstruction. Siegel JH, et al.
Gastrointest Endosc 1982 May;28(2):79–82
Technique for replacement of accidentally removed percutaneous biliary drainage catheter. Kadir S.
Gastrointest Radiol 1982;7(1):73–4
Ultrasonically guided percutaneous drainage of solitary liver abscess: successful treatment in four cases. Kimura M, et al. **J Clin Gastroenterol** 1981 Mar;3(1):61–5
External ventricular drainage for control of posthemorrhagic hydrocephalus in premature infants. Harbaugh RE, et al.
J Neurosurg 1981 Nov;55(5):766–70
Percutaneous drainage of the abdominal abscess [editorial]
Lancet 1982 Apr 17;1(8277):889–90
Pericardial-peritoneal window for chronic pericardial effusion. Tavares S, et al. **Md State Med J** 1981 Oct; 30(10):64
Percutaneous transhepatic biliary drainage for obstructive jaundice. Faithfull GR, et al. **Med J Aust** 1982 Mar 20; 1(6):269–77
Percutaneous catheter drainage of abdominal abscess [letter]
N Engl J Med 1982 Jan 14;306(2):106–8
A comparison of mechanical and manual percussion as adjuncts to postural drainage in the treatment of cystic fibrosis in adolescents and adults. Pryor JA, et al.
Physiotherapy 1981 May 10;67(5):140–1

Percutaneous nephrostomy in a child with obstructive uropathy. Teplick SK, et al. **Postgrad Med** 1982 Jan; 71(1):217–9

Percutaneous drainage of pancreatic pseudocysts and abscesses. Karlson KB, et al. **Radiology** 1982 Mar; 142(3):619–24

B-scan ultrasound directed pericardiocentesis. A safer approach. McLeary RD, et al. **Radiology** 1982 Sep; 144(4):923

Postoperative abscess drainage in patients with established sinus tracks or drains. Sacks BA, et al. **Radiology** 1982 Feb; 142(2):537–8

Percutaneous drainage of abscesses and fluid collections: technique, results, and applications. vanSonnenberg E, et al. **Radiology** 1982 Jan;142(1):1–10

Pre-operative biliary drainage in patients with obstructive jaundice. A comparison of the percutaneous transhepatic and endoscopic transpapillary routes. Hatfield AR, et al. **S Afr Med J** 1981 Nov 7;60(19):737–42

Nonsurgical drainage of the biliary tract. Burcharth F. **Semin Liver Dis** 1982 Feb;2(1):75–86 (36 ref.)

Nonsurgical internal biliary drainage by endoprosthesis. Burcharth F, et al. **Surg Gynecol Obstet** 1981 Dec; 153(6):857–60

Percutaneous abscess drainage. Karlson KB, et al. **Surg Gynecol Obstet** 1982 Jan;154(1):44–8

Multiple pancreatic pseudocysts: the principle of internal cystocystostomy in surgical management. Bradley EL 3d, et al. **Surgery** 1982 Jul;92(1):111–6

Catheter drainage of spontaneous pneumothorax: suction or no suction, early or late removal? So SY, et al. **Thorax** 1982 Jan;37(1):46–8

The drainage of subretinal fluid: a randomized controlled clinical trial. Hilton GF. **Trans Am Ophthalmol Soc** 1981; 79:517–40 (88 ref.)

Overview: uroradiology by intervention -- 'Endourology'. Goodwin WE. **Urol Clin North Am** 1982 Feb;9(1):195–6

[Clinical experience of percutaneous transhepatic cholangiography and drainage (author's transl)] Wei DQ. **Chung Hua Nei Ko Tsa Chih** 1981 Sep;20(9):553–5 **(Chi)**

[Percutaneous transhepatic cholangiography(PTC) and bile drainage(PTCD): a report of 70 cases (author's transl)] Zhong SX. **Chung Hua Wai Ko Tsa Chih** 1981 Jul; 19(7):387–90 (Eng. Abstr.) **(Chi)**

[Temporary internal biliary drainage with endoscopic endoprothesis] Grove O. **Ugeskr Laeger** 1981 Nov 2; 143(45):2966–7 (Eng. Abstr.) **(Dan)**

[Internal and external drainage of the bile ducts in patients with obstructive jaundice; application and technic of endoprosthesis] Gouma DJ, et al. **Ned Tijdschr Geneeskd** 1982 Apr 3;126(14):604–9 (Eng. Abstr.) **(Dut)**

[Diagnosis by duodenal intubation of a pigmented microlithiasis not visible by cholecystography and echotomography [letter] Delchier JC, et al. **Gastroenterol Clin Biol** 1982 Mar;6(3):304 **(Fre)**

[External drainage during surgery for biliary lithiasis. Our present attitude (author's transl)] Richelme H, et al. **J Chir (Paris)** 1982 Jan;119(1):21–7 (Eng. Abstr.) **(Fre)**

[The calibrating drainage of the common bile duct (C.B.D.). Value of 'axial exit' drainage (author's transl)] Stoppa R, et al. **J Chir (Paris)** 1981 Oct;118(10):557–63 (Eng. Abstr.) **(Fre)**

[Computed tomography guided percutaneous aspiration and drainage of thoracic and abdominal fluid collections (author's transl)] Dondelinger R, et al. **J Radiol** 1982 Feb; 63(2):75–83 (Eng. Abstr.) **(Fre)**

[Non-surgical drainage of the bile ducts: a report on 15 cases (author's transl)] Grelet P, et al. **J Radiol** 1981 Mar; 62(3):177–82 (43 ref.) (Eng. Abstr.) **(Fre)**

[Percutaneous drainage of obstructive jaundice] Dohmoto M, et al. **Chirurg** 1982 Mar;53(3):143–8 (Eng. Abstr.) **(Ger)**

[Non-operative drainage of the bile ducts. Round table] Burcharth F, et al. **Internist (Berlin)** 1982 May;23(5):269–72 **(Ger)**

[Retinal holes - cause and therapeutical key of retinal detachments. Iatrogenic holes (author's transl)] Klöti R. **Klin Monatsbl Augenheilkd** 1981 Oct;179(4):276–9 (Eng. Abstr.) **(Ger)**

[Percutaneous biliary tract drainage in obstructive jaundice with biliary sepsis] Hledik E. **ROFO** 1981 Dec;135(6):730–1 **(Ger)**

[Sonography for percutaneous biliary drainage (author's transl)] Wimmer B, et al. **ROFO** 1981 Oct;135(4):466–70 (Eng. Abstr.) **(Ger)**

[The endless transhepatic drainage--a palliative possibility for the enteral bile shunt in obstructive processes of the liver hilus] Neugebauer W, et al. **Zentralbl Chir** 1981; 106(19):1317–22 **(Ger)**

[Percutaneous transhepatic biliary drainage in obstructive jaundice. Report of 19 cases (author's transl)] Severini A, et al. **Radiol Med (Torino)** 1981 Sep;67(9):599–608 (Eng. Abstr.) **(Ita)**

[New techniques for percutaneous transhepatic bile drainage: one under fluoroscopic control and the other with real-time ultrasonic guidance. Procedures and therapeutic effects (author's transl)] Ebara M, et al. **Nippon Shokakibyo Gakkai Zasshi** 1981 Jul;78(7):1443–51 (Eng. Abstr.) **(Jpn)**

[Preventive effect on intracranial arterial vasospasm using combined ventriculo-cisternal and cisternal drainage (author's transl)] Sonobe M, et al. **No Shinkei Geka** 1981 Nov;9(12):1393–7 (Eng. Abstr.) **(Jpn)**

[Method and efficacy of microdrainage and irrigation of cavernae in the treatment of pulmonary tuberculosis] Kovalenko NN. **Grudn Khir** 1982 Mar-Apr;(2):70–2 (Eng. Abstr.) **(Rus)**

[Bile-draining operations in mechanical jaundice due to focal liver lesions] Nikhinson RA. **Khirurgiia (Mosk)** 1981 Oct; (10):34–6 (Eng. Abstr.) **(Rus)**

[Use of nasobiliary drainage in treating mechanical jaundice and cholangitis] Petrovskii BV, et al. **Khirurgiia (Mosk)** 1981 Oct;(10):3–5 (Eng. Abstr.) **(Rus)**

[Effective drainage of suppurative foci in acute destructive pancreatitis] Chumak PIa. **Klin Khir** 1981 Nov;(11):38–9 (Eng. Abstr.) **(Rus)**

[Evaluation of drainage operations on the biliary tracts based on bile lithogenicity data] Klimenko GA, et al. **Klin Khir** 1981 Sep;(9):43–5 (Eng. Abstr.) **(Rus)**

[Morphological changes in the gastric and duodenal mucosa after bile drainage into the stomach] Matveenko ME, et al. **Klin Khir** 1981 Sep;(9):60 **(Rus)**

[Classification of the methods for external drainage of the bile ducts; in response to A. V. Shaposhnikov's article (Klinicheskaia khirurgiia, 1980, No. 9, pp. 58–9)] Napalkov PN, et al. **Klin Khir** 1981 Sep;(9):50–1 **(Rus)**

[Effectiveness of the drainage method in treating acute lung abscesses in children] Samai AG, et al. **Vestn Khir** 1982 Mar;128(3):124–8 **(Rus)**

[Drainage of the thoracic lymphatic duct and lymphosorption in the combined treatment of obstruction of the bile ducts and liver failure] Shalimov SA, et al. **Vestn Khir** 1982 Feb; 128(2):24–9 (Eng. Abstr.) **(Rus)**

[Transparietal drainage of the gallbladder under visual control and direct contrast study in pancreatic cancer] Chernekhovskaia NE, et al. **Vestn Rentgenol Radiol** 1982; (2):16–20 (Eng. Abstr.) **(Rus)**

[Thoracic duct drainage with lymphosorption in the combined treatment of serum hepatitis] Pashkevich VI, et al. **Voen Med Zh** 1981 Sep;(9):59–60 **(Rus)**

[Means of draining the cerebral ventricles during surgery in the chiasm-sellar area] Mosiichuk NM. **Zh Vopr Neirokhir** 1981 Sep-Oct;(5):58–9 **(Rus)**

NURSING

The percutaneous nephrostomy tube. Cain L, et al. **Am J Nurs** 1982 Feb;82(2):296–8

DRAINAGE, SUCTION see **SUCTION**

DRAMA see under **LITERATURE**

DREAMS

Augmentation of systematic desensitization of snake phobia through posthypnotic dream suggestion. O'Brien RM, et al. **Am J Clin Hypn** 1981 Apr;23(4):231–8

New views on the Biblical Joseph. Berger J. **Am J Psychoanal** 1981 Fall;41(3):277–82

Right hemispheric mediation of dream visualization: a case study. Kerr NH, et al. **Cortex** 1981 Dec;17(4):603–9

Analysis of the dream contents in Japanese college students by REMP-awakening technique. Yamanaka T, et al. **Folia Psychiatr Neurol Jpn** 1982;36(1):33–52

Dreams and dreaming. Part one. Salama AE. **IMJ** 1981 Dec; 160(6):439–43

Dreams and dreaming. Part two. Salama AE. **IMJ** 1982 Jan; 161(1):27–31

Age differences in dreams. II: Distortion and other variables. Zepelin H. **Int J Aging Hum Dev** 1981;13(1):37–41

The Asclepian dream healings and hypnosis: a critique. Stam HJ, et al. **Int J Clin Exp Hypn** 1982 Jan;30(1):9–22

A tic, a dream and the primal scene. Silber A. **Int J Psychoanal** 1981;62(3):259–69

The technical use, and experiencing, of dreams. Stewart H. **Int J Psychoanal** 1981;62(3):301–7

A content analysis of aggressive interactions in the dreams of the visually impaired. Kirtley DD, et al. **Int J Rehabil Res** 1981;4(2):224–7

Qualitative differences in manifest object representations: implications for a multidimensional model of psychological functioning. Spear WE, et al. **J Abnorm Psychol** 1981 Apr; 90(2):157–67

Vietnam and madness: dreams of schizophrenic veterans. Wilmer HA. **J Am Acad Psychoanal** 1982 Jan;10(1):46–65

Comment on 'The use of the dream in contemporary analysis' by Kenneth Lambert. Blum F. **J Anal Psychol** 1980 Jul; 25(3):275–81

The Xhosa healers of Southern Africa: 3. A family therapy session with a dream as central content. Bührmann MV, et al. **J Anal Psychol** 1982 Jan;27(1):41–57

The interpretation of prescriptive dreams in ancient Greek medicine. Oberhelman SM. **J Hist Med Allied Sci** 1981 Oct;36(4):416–24

The structure of laboratory dream reports in blind and sighted subjects. Kerr NH, et al. **J Nerv Ment Dis** 1982 May;170(5):286–94

Dysphasia during sleep due to an unusual vascular lesion [letter] Harrison MJ. **J Neurol Neurosurg Psychiatry** 1981 Aug;44(8):739

Sleep and dreaming disturbances in closed head injury patients. Prigatano GP, et al. **J Neurol Neurosurg Psychiatry** 1982 Jan;45(1):78–80

Direct alteration of a traumatic nightmare. Halliday G. **Percept Mot Skills** 1982 Apr;54(2):413–4

Forms of dreaming. Hunt HT. **Percept Mot Skills** 1982 Apr; 54(2):559–633

Look, no hands! ... Biographical aspects of dream formation. Nelson MC. **Psychoanal Rev** 1981–82 Winter;68(4):505–11

A holographic model of a psychosomatic pattern: Freud's specimen dream re-interpreted. Caire JB. **Psychother Psychosom** 1981;36(2):132–42

Failure of the defensive functions of the ego in dreams of psychosomatic patients. Levitan HL. **Psychother Psychosom** 1981;36(1):1–7

Dreams as an aid in determining diagnosis, prognosis, and attitude towards treatment. Sabini M. **Psychother Psychosom** 1981;36(1):24–36

Sleep, scratching and dreams in eczema. A new approach to alexithymia. Tantam D, et al. **Psychother Psychosom** 1982;37(1):26–35

Dreams in the Talmud: the prophets of yore had the noblest dream. Savitz HA. **RI Med J** 1981 Sep;64(9):427–30

A cognitive-psychological model of REM dream production. Foulkes D. **Sleep** 1982;5(2):169–87

The dreams of college men and women in 1950 and 1980: a comparison of dream contents and sex differences. Hall CS, et al. **Sleep** 1982;5(2):188–94

What do you say when a patient tells you a dream? Wilmer HA. **Tex Med** 1982 Apr;78(4):46–8

[Plunge into the unconscious. Construction of dreams and day dreams in Arno Schmidt's novel, 'Kaff auch mare Crisium' (1960)] Drews J. **Psyche (Stuttg)** 1981 Dec; 35(12):1103–21 **(Ger)**

[The scientific theoretical status of psychoanalysis. The problem of dream interpretation] Specht EK. **Psyche (Stuttg)** 1981 Sep;35(9):761–87 (Eng. Abstr.) **(Ger)**

[The hidden poet within us. Language theory in the natural philosophy psychology of Gotthilf Heinrich von Schubert (1780–1860)] Schott H. **Sudhoffs Arch** 1981;65(3):226–50 (Eng. Abstr.) **(Ger)**

PHYSIOLOGY

Psychoanalysis, dreaming and the REM state: a clinical vignette. Berger DM. **Can J Psychiatry** 1981 Nov; 26(7):490–3

Reality testing: a neurophysiological fantasy. Noshpitz JD. **Compr Psychiatry** 1982 Jan-Feb;23(1):25–32

Case report. The uncinate focus and dreaming. Epstein AW, et al. **Epilepsia** 1981 Oct;22(5):603–5

[Patterns of 'pixelization', memory and oneiric phenomena] Rifat C. **Agressologie** 1981;22(6):231–40 **(Fre)**

DRESSINGS see **BANDAGES**

DRESSINGS, OCCLUSIVE see **OCCLUSIVE DRESSINGS**

DRILL see **PAPIO**

DRINKING

Simultaneous study of the circadian rhythms of food intake, water intake and renal excretion and analysis of their interrelations in rats. Ikonomov O, et al. **Acta Physiol Pharmacol Bulg** 1981;7(1):77–84

Water ingestion and its role in bile secretion [letter] Math MV. **Am J Clin Pathol** 1982 Aug;78(2):258–9

The water-load test. Boh DM, et al. **Am J Nurs** 1982 Jan; 82(1):112–3

Hypotensive effect of water restriction in the two-kidney one-clip hypertensive rat. Leenen FH, et al. **Am J Physiol** 1981 Nov;241(5):F525–31

Pulmonary vein-atrial junction stretch receptors and the inhibition of drinking. Moore-Gillon MJ, et al. **Am J Physiol** 1982 May;242(5):R452–7

Ice water and the heart [letter] **Ann Intern Med** 1982 Aug; 97(2):282–3

Regulatory impairments following selective 6-OHDA lesions of the neostriatum. Dunnett SB, et al. **Behav Brain Res** 1982 Feb;4(2):195–202

Consummatory response conditioning to an auditory stimulus in neonatal rats. Rudy JW, et al. **Behav Neural Biol** 1982 Feb;34(2):209–14

Is bran useful in diverticular disease? [letter] Math MV. **Br Med J [Clin Res]** 1982 May 8;284(6326):1408–9

Water consumption and the effects of water restriction on performance of broilers in the tropics. Abdelsamie RE, et al. **Br Poult Sci** 1981 Sep;22(5):423–9

Trigeminal orosensory deafferentiation disrupts feeding and drinking mechanism in the rat. Jacquin MF, et al. **Brain Res** 1982 Apr 22;238(1):198–204

Angiotensin generation in the brain and drinking: indications for the involvement of endopeptidase activity distinct from cathepsin D. Tonnaer JA, et al. **Brain Res** 1981 Nov 2; 223(2):343–53

Mechanisms for induction of drinking with special reference to angiotensin II. Kobayashi H, et al. **Comp Biochem Physiol [A]** 1982;71(4):485–94

An assessment of the implication of nitrate-rich water on salivary nitrate. Weisenberg E, et al. **Ecotoxicol Environ Safety** 1982 Feb;6(1):97–101

Rapid decreases in adrenal and plasma corticosterone concentrations after drinking are not mediated by changes in plasma adrenocorticotropin concentration. Wilkinson

CW, et al. **Endocrinology** 1982 May;110(5):1599–606
Termination of drinking: satiation. Adolph EF. **Fed Proc** 1982 Jul;41(9):2533–5
Thermogenic drinking: mediation by osmoreceptor and angiotensin II pathways. Fregly MJ. **Fed Proc** 1982 Jul; 41(9):2515–9
Dehydration–induced drinking: peripheral and central aspects. Greenleaf JE, et al. **Fed Proc** 1982 Jul;41(9):2507–8
Dehydration–induced drinking in humans. Greenleaf JE. **Fed Proc** 1982 Jul;41(9):2509–14
Drinking water to prevent gallstone formation [letter] Math MV. **Gastroenterology** 1982 Apr;82(4):822–3
A test to enhance the excretion of tritium in man by excessive water intake. Takada K, et al. **Health Phys** 1981 Dec; 41(6):825–8
Drinking by alcoholic patients following hospital admission. Brown RA, et al. **Int J Addict** 1981 Dec;16(8):1509–14
Treatment of an abnormal avoidance of fluid consumption. Friedin BD, et al. **J Behav Ther Exp Psychiatry** 1982 Mar; 13(1):85–7
Effects of mesencephalic reticular formation lesions on habituation of startle and lick suppression responses in the rat. Jordan WP, et al. **J Comp Physiol Psychol** 1982 Apr; 96(2):170–83
A vagally mediated histaminergic component of food–related drinking in the rat. Kraly FS, et al. **J Comp Physiol Psychol** 1982 Feb;96(1):89–104
Habituation of startle response, lick suppression, and exploratory behavior in rats with hippocampal lesions. Leaton RN. **J Comp Physiol Psychol** 1981 Oct;95(5):813–26
Vagotomy blocks hypothalamic hyperphagia in rats on a chow diet and sucrose solution, but not on a palatable mixed diet. Sclafani A, et al. **J Comp Physiol Psychol** 1981 Oct;95(5):720–34
An evaluation of dipsogenic stimuli in the African green monkey. Wright JW, et al. **J Comp Physiol Psychol** 1982 Feb;96(1):78–88
Suppression of water intake by immune complex formation in the hypothalamus. Implications for systemic lupus erythematosus. Hoffman SA, et al. **J Neuroimmunol** 1982 Apr;2(2):167–76
Interaction between the renin–angiotensin and beta adrenergic nervous systems in drinking and pressor responses after renal artery constriction. Atkinson J, et al. **J Pharmacol Exp Ther** 1982 May;221(2):453–60
Renin–dependence of drinking induced by partial aortic obstruction in the dog. Fitzsimons JT, et al. **J Physiol (Lond)** 1981 Nov;320:423–33
Control of fluid intake in pregnant and lactating rats. Kaufman S. **J Physiol (Lond)** 1981 Sep;318:9–16
Hyponatremia in the syndrome of inappropriate secretion of antidiuretic hormone. Rapid correction with urea, sodium chloride, and water restriction therapy. Decaux G, et al. **JAMA** 1982 Jan 22–29;247(4):471–4
Pain from swallowing cold liquids [letter] Ott DJ, et al. **JAMA** 1982 Mar 12;247(10):1406–7
Inclusion of intestinal antiseptics in rabbit diets. King JO. **Lab Anim** 1981 Apr;15(2):205–6
Lesions of the subfornical organ block angiotensin–induced drinking in the dog. Thrasher TN, et al. **Neuroendocrinology** 1982;35(1):68–72
Hypothalamic adipsia without demonstrable structural lesion. Hayek A, et al. **Pediatrics** 1982 Aug;70(2):275–8
Entrainment and masking of circadian drinking rhythms in primates: influence of light intensity. Albers HE, et al. **Physiol Behav** 1982 Feb;28(2):205–11
Ingestive behaviors of rats with electrolytic median raphe lesions maintained on a food deprivation schedule. Asin KE, et al. **Physiol Behav** 1982 Jan;28(1):89–93
Schedule–induced drinking by rats in the runway on DNC schedules of reinforcement. Collier AC, et al. **Physiol Behav** 1981 Dec;27(6):1015–8
Failure of periodic presentation of palatable diet to entrain feeding, drinking and activity rhythms under constant conditions. Greenwood K, et al. **Physiol Behav** 1981 Dec; 27(6):1057–66
Gastric vagotomy inhibits drinking after hypertonic saline. Jerome C, et al. **Physiol Behav** 1982 Feb;28(2):371–4
Water intake regulation in rats after intestinal bypass surgery. Sclafani A, et al. **Physiol Behav** 1981 Nov;27(5):779–84
Chronic hypodipsia to intraperitoneal and subcutaneous hypertonic saline after vagotomy. Simansky KJ, et al. **Physiol Behav** 1982 Feb;28(2):367–70
A comment on the practice of expressing food and water intake as a proportion of body weight. Wirtshafter D, et al. **Physiol Behav** 1982 Jan;28(1):183–5
Water deprivation and SNGFR distribution in species of rodents with extremely different water regimen. Dlouhá H, et al. **Physiol Bohemoslov** 1982;31(1):95–6
Role of water in regulating feed intake and feed efficiency of broilers. Marks HL. **Poult Sci** 1981 Apr;60(4):698–707
[Adrenal mineralocorticoid function in sodium deficit with adequate or excess water consumption] Shul'ga VA. **Biull Eksp Biol Med** 1982 Apr;93(4):89–91 (Eng. Abstr.) **(Rus)**
[Effect of decreased motor activity and water regimen on the growth of animals and their skeletal musculature] Kocherezhkina EV. **Dokl Akad Nauk SSSR** 1982; 263(2):457–9 **(Rus)**
[Effect of cadmium administered in drinking water on the development of experimental atherosclerosis] Vodichenska TsS, et al. **Gig Sanit** 1982 Jun;(6):57–9 **(Rus)**

DRUG EFFECTS

Drinking in goats as effect of simultaneous intravenous infusions of angiotensin (I or II) and hypertonic NaCl or mannitol. Eriksson S, et al. **Acta Physiol Scand** 1981; 113(3):393–7
Mechanism of captopril–induced drinking. Schiffrin EL, et al. **Am J Physiol** 1982 Jan;242(1):R136–40
Dual effect of naloxone on drinking behaviour of rats. Cantalamessa F, et al. **Arch Int Pharmacodyn Ther** 1982 Mar;256(1):10–21
Systemic and intraventricular naloxone administration: effects on food and water intake. Hynes MA, et al. **Behav Neural Biol** 1981 Jul;32(3):334–42
The effect of fenfluramine on the microstructure of feeding and drinking in the rat. Burton MJ, et al. **Br J Pharmacol** 1981 Apr;72(4):621–33
Polydipsia and abolition of angiotensin–induced drinking after transections of subfornical organ efferent projections in the rat. Eng R, et al. **Brain Res** 1981 Nov 23;225(1):200–6
Flavour modulates the antidipsogenic effect of substance P. Morley JE, et al. **Brain Res** 1981 Dec 7;226(1–2):334–8
Central effects of angiotensins on drinking and blood pressure: structure–activity relationships. Tonnaer JA, et al. **Brain Res** 1982 Mar 25;236(2):417–28
Antidipsogenic effect of clonidine on angiotensin II–, hypertonic saline–, pilocarpine– and dehydration–induced water intakes. Fregly MJ, et al. **Brain Res Bull** 1981 Dec; 7(6):661–4
Effect of captopril on blood pressure, total body sodium and fluid consumption of genetically hypertensive (GH) and normotensive (N) rats. Ledingham JM, et al. **Clin Exp Hypertens** 1981;3(6):1239–63
Cholinergic and catecholaminergic interaction and fluid intake in the rat. Schmidt P, et al. **Eur J Pharmacol** 1981 Oct 15;75(1):37–43
Abdominal vagotomy attenuates drinking induced by intravenous infusion of various osmotic loads in the rat. Martin JR, et al. **Experientia** 1982 Jan 15;38(1):105–6
Eating induced by injections of 2–deoxy–D–glucose in neurologically intact hypodipsic rats. Watson PJ, et al. **Int J Neurosci** 1981;15(1–2):95–8
Cerebral prostaglandin biosynthesis and angiotensin–induced drinking in rats. Fluharty SJ. **J Comp Physiol Psychol** 1981 Dec;95(6):915–23
Homeostatic regulation and Pavlovian conditioning in tolerance to amphetamine–induced anorexia. Poulos CX, et al. **J Comp Physiol Psychol** 1981 Oct;95(5):735–46
Atropine fails to block the overconsumption of sugar solutions by hypothalamic hyperphagic rats. Sclafani A, et al. **J Comp Physiol Psychol** 1981 Oct;95(5):708–19
Ethanol and water drinking by rhesus monkeys. Henningfield JE, et al. **J Stud Alcohol** 1981 Mar;42(3):192–201
Effects of intracerebroventricular administration of aliphatic diamines on ingestive behavior in the rat. Kohno H, et al. **Jpn J Pharmacol** 1981 Apr;31(2):211–20
Changes in ingestive behavior, serum glucose and free fatty acids concentrations in rats following intracerebroventricular injection of spermine. Kohno H, et al. **Jpn J Pharmacol** 1981 Dec;31(6):863–73
Effects of triethyltin on ingestive behavior at ad lib, reduced, and recovered body weight. DeHaven DL, et al. **Neurobehav Toxicol Teratol** 1982 Mar–Apr;4(2):217–23
Water intake and brain choline–acetyltransferase and acetylcholinesterase activites in manganese treated rats. Martinez H, et al. **Neurobehav Toxicol Teratol** 1981 Fall; 3(3):277–80
Suppression of drinking and induction of sedation by a dopamine agonist is blocked by small doses of spiperone. Dourish CT, et al. **Neuropharmacology** 1982 Jan;21(1):69–72
The anorexic effect of naltrexone is independent of its suppressant effect on water intake. Lowy MT, et al. **Neuropharmacology** 1981 Sep;20(9):883–6
Aversiveness of cadmium in solution. Cory–Slechta DA, et al. **Neurotoxicology (Park Forest Il)** 1981 Dec;2(4):711–24
MIF–1 suppresses deprivation–induced fluid consumption in rats. Olson RD, et al. **Peptides (Fayetteville)** 1980 Winter; 1(4):353–7
The antidipsogenic action of peripheral prostaglandin E2. Kenney NJ, et al. **Pharmacol Biochem Behav** 1981 Aug; 15(2):263–9
Periventricular preoptic–hypothalamic lesions: effects on isoproterenol–induced thirst. Lind RW, et al. **Pharmacol Biochem Behav** 1981 Oct;15(4):563–5
Low doses of naloxone and MIF–1 peptides increase fluid consumption in rats. Olson RD, et al. **Pharmacol Biochem Behav** 1981 Dec;15(6):921–4
Naloxone reduces fluid intake in rats with open gastric fistulas. Rockwood GA, et al. **Pharmacol Biochem Behav** 1981 Aug;15(2):319–21
Comparison of the suppression by naloxone of water intake induced in rats by hyperosmolarity, hypovolemia, and angiotensin. Rowland N. **Pharmacol Biochem Behav** 1982 Jan;16(1):87–91
A comparison of the effects of opiate antagonists on operant and ingestive behavior. Sanger DJ, et al. **Pharmacol Biochem Behav** 1982 Jun;16(6):1013–5
A temporal analysis of naloxone's suppressant effect on drinking. Siviy SM, et al. **Pharmacol Biochem Behav** 1982 Jan;16(1):173–5
Water intake inhibition and vasopressin release following intracerebroventricular administration of tachykinins to rats of the Wistar and Brattleboro strain. Cantalamessa F, et al. **Pharmacol Res Commun** 1981 Jul;13(7):641–55
Effects of lithium on circadian cycles in food and water intake, urinary concentration and body weight in rats. Christensen S, et al. **Physiol Behav** 1982 Apr;28(4):635–40
Eating, drinking and temperature response of chicks to brain catecholamine injections. Denbow DM, et al. **Physiol Behav** 1981 Aug;27(2):265–9
Flavor enhances the antidipsogenic effect of naloxone. Levine AS, et al. **Physiol Behav** 1982 Jan;28(1):23–5
Effects of LH kainic acid infusions on ingestion and autonomic activity. Wayner MJ, et al. **Physiol Behav** 1981 Aug;27(2):369–76
Feeding and drinking response of young chicks to injections of serotonin into the lateral ventricle of the brain. Denbow DM, et al. **Poult Sci** 1982 Jan;61(1):150–5
The influence of ovariectomy on the sex–dependent effects of the anticholinesterase diisopropyl fluorophosphate. Overstreet DH, et al. **Psychopharmacology (Berlin)** 1981; 74(4):391–2
Suppression of milk drinking by the combination of fluoxetine and L–5–hydroxytryptophan in rats. Fuller RW, et al. **Res Commun Chem Pathol Pharmacol** 1981 Oct; 34(1):137–40
The effects of single doses of alkali metal cations on deprivation–induced fluid consumption by rats. Maickel RP, et al. **Res Commun Chem Pathol Pharmacol** 1981 Dec; 34(3):493–502
[Effects of clonidine on diuresis and water intake in normal and Brattleboro rats. (author's transl)] Auriac A, et al. **J Pharmacol** 1981 Jul–Sep;12(3):277–88 (Eng. Abstr.) **(Fre)**
[Effects of intraperitoneally administered spermine on ingestive behavior, serum glucose and free fatty acids concentrations in rats (author's transl)] Kohno H, et al. **Nippon Yakurigaku Zasshi** 1981 Apr;77(4):361–70 (Eng. Abstr.) **(Jpn)**

DRINKING, ALCOHOL see **ALCOHOL DRINKING**

DRINKING BEHAVIOR

Lesions of the organum vasculosum of the lamina terminalis (OVLT) attenuate osmotically–induced drinking and vasopressin secretion in the dog. Thrasher TN, et al. **Endocrinology** 1982 May;110(5):1837–9
Coffee consumption among alcoholics as a function of time hospitalized. Mozdzierz GJ, et al. **Int J Addict** 1981 Feb; 16(2):253–62
High myopia causing developmental delays and polydipsia in a preschool child. Rosenberg L, et al. **J Am Optom Assoc** 1981 Aug;52(8):667–9
The renin–angiotensin system in drinking and cardiovascular responses to isoprenaline in the rat. Evered MD, et al. **J Physiol (Lond)** 1981 Jul;316:357–67
Absolute and relative consumption space. Rachlin H. **Nebr Symp Motiv** 1982;29:129–67 (34 ref.)
Gradual decay of circadian drinking organization following lesions of the suprachiasmatic nuclei in primates. Albers HE, et al. **Neurosci Lett** 1981 Dec 11;27(2):119–24
Circadian patterning of feeding, drinking and activity during diurnal food access in rats. Spiteri NJ. **Physiol Behav** 1982 Jan;28(1):139–47
Are schedule–induced drinking and displacement activities causally related? Roper TJ, et al. **Q J Exp Psychol [B]** 1981 Aug;33(Pt 3):181–93
[Psychogenic polydipsia in a child] Grunberg J, et al. **Bol Med Hosp Infant Mex** 1981 Sep–Oct;38(5):807–15 (Eng. Abstr.) **(Spa)**

DRUG EFFECTS

Water intake in rats affected by addition of nicotine to drinking water. Náquira D, et al. **Acta Physiol Lat Am** 1978;28(1):73–6
Elevated water intake in rats treated chronically with amphetamine: drinking in excess of need? Rowland N, et al. **Appetite** 1981 Mar;2(1):51–66
Opiate antagonists: central sites of action in suppressing water intake of the rat. Brown DR, et al. **Brain Res** 1981 Sep 28;221(2):432–6
Effects of centrally administered endogenous opioid peptides on drinking behavior, increased plasma vasopressin concentration and pressor response to hypertonic sodium chloride. Summy–Long JY, et al. **Brain Res** 1981 Sep 28; 221(2):343–57
Dopamine agonist–induced restoration of drinking in response to hypertonic saline in adipsic dopamine denervated rats. Dourish DT, et al. **Brain Res Bull** 1982 Apr;8(4):375–9
Subfornical organ–median preoptic connections and drinking and pressor responses to angiotensin II. Lind RW, et al. **J Neurosci** 1982 Aug;2(8):1043–51
Food and water intake in the non–deprived pigeon after morphine or naloxone administration. Cooper SJ, et al. **Neuropharmacology** 1981 Nov;20(11):1053–8
Suppression of drinking by naloxone in rats homo– and heterozygous for diabetes insipidus. Brown DR, et al. **Pharmacol Biochem Behav** 1981 Jul;15(1):109–14
Orally delivered pentobarbital as a reinforcer for rhesus monkeys with concurrent access to water: effects of concentration, fixed–ratio size, and liquid positions. DeNoble VJ, et al. **Pharmacol Biochem Behav** 1982 Jan; 16(1):113–7

Opioid modulation of ingestive behavior. Jalowiec JE, et al. **Pharmacol Biochem Behav** 1981 Sep;15(3):477–84
Stereoselective effects of opiate agonists and antagonists on ingestive behavior in rats. Lowy MT, et al. **Pharmacol Biochem Behav** 1981 Oct;15(4):591–6
Intracerebral administration of naloxone and drinking in water-deprived rats. Siviy SM, et al. **Pharmacol Biochem Behav** 1981 Aug;15(2):257–62
The effects of pimozide on the consumption of a palatable saccharin-glucose solution in the rat. Xenakis S, et al. **Pharmacol Biochem Behav** 1981 Sep;15(3):435–42
Stimulation of drinking behaviour and of renin release induced by intracerebroventricular injections of D-Ala2,D-Leu5-enkephalin to rats. Cantalamessa F, et al. **Pharmacol Res Commun** 1982 Feb;14(2):141–52
Lithium-induced polydipsia in birds: a comparative study and analysis of electrolyte excretion. Hardy WT, et al. **Physiol Behav** 1981 Oct;27(4):575–83
Histamine-elicited drinking is dependent upon gastric vagal afferents and peripheral angiotensin II in the rat. Kraly FS, et al. **Physiol Behav** 1982 May;28(5):841–6
Effects of chronic d-amphetamine on the maintenance and acquisition of schedule-induced polydipsia in rats. Yoburn BC, et al. **Physiol Behav** 1982 May;28(5):807–18
Changes in schedule-controlled response and schedule-induced drinking after cholinergic blockers in rats. Kuribara H, et al. **Psychopharmacology (Berlin)** 1982; 76(3):251–4
Preference for drinking water containing dimercaptosuccinic acid by rats intoxicated with methylmercury. Magos L, et al. **Toxicol Appl Pharmacol** 1981 Sep 30;60(3):557–60

PHYSIOLOGY

Water regulation in weanling hypodipsic dorsomedial hypothalamic-lesioned rats. Bellinger LL, et al. **Am J Physiol** 1982 Mar;242(3):R285–95
Central dipsogenic effect of vasopressin. Szczepańska-Sadowska E, et al. **Am J Physiol** 1982 Mar; 242(3):R372–9
Lateral hypothalamic damage and body weight regulation: role of gender, diet, and lesion placement. Van den Pol AN. **Am J Physiol** 1982 Mar;242(3):R265–74
Effect of diet hydration on food and water intake, efficiency of food utilization and response to fast and realimentation in rats with dorsomedial hypothalamic hypophagia and growth retardation. Bernardis LL, et al. **Appetite** 1982 Mar; 3(1):35–52
Endorphinergic mechanisms in the control of food and water intake. Sanger DJ. **Appetite** 1981 Sep;2(3):193–208 (103 ref.)
The control of ingestive behaviour by internal and external stimuli—a theoretical review. Toates FM. **Appetite** 1981 Mar;2(1):35–50 (63 ref.)
The control of drinking. Rolls BJ, et al. **Br Med Bull** 1981 May;37(2):127–30 (42 ref.)
Neural mechanisms for the functional coupling of autonomic, endocrine and somatomotor responses in adaptive behavior. Swanson LW, et al. **Brain Res** 1981 Aug;228(1):1–34 (194 ref.)
Changes in drinking behavior caused by superior cervical ganglionectomy and pinealectomy in rats. Gejman PV, et al. **J Auton Nerv Syst** 1981 Sep;4(3):249–59
Specific benzodiazepine antagonist RO15–1788 and thirst-induced drinking in the rat. Cooper SJ. **Neuropharmacology** 1982 May;21(5):483–6
Adjunctive polydipsia as a model of alcoholism. Colotla VA. **Neurosci Biobehav Rev** 1981 Fall;5(3):335–42 (67 ref.)
The structure of meals in humans: eating and drinking patterns in lean and obese subjects. Bellisle F, et al. **Physiol Behav** 1981 Oct;27(4):649–58
Electroconvulsive shock and water deprivation: effects on drinking behavior and locomotor activity in rats. Dokla CP, et al. **Physiol Behav** 1981 Aug;27(2):231–6
Effects of small basolateral amygdala lesions on ingestion in the rat. Fitzgerald RE, et al. **Physiol Behav** 1981 Sep; 27(3):431–7
Nocturnal food-related hyperdipsia in the adult spontaneously hypertensive rat. Kraly FS, et al. **Physiol Behav** 1982 May;28(5):885–91
Schedule-induced polydipsia in F1 hybrid rats of wild-caught and domestic Norway rats. McDonough JJ, et al. **Physiol Behav** 1981 Jun;26(6):1001–5

DRIVE

see related
SEX

Control of complex conation and emotion in the neocortex by the limbic entorhinal, subicular, and cingulate cortices and the hypothalamus, mammillary body, and thalamus. Pay RG. **Int J Neurosci** 1981;15(1–2):1–30
Effect of assisted ventilation on respiratory drive of normal anesthetized dogs. Tan CS, et al. **Respir Physiol** 1981 Mar; 43(3):287–97
[Drive representation, orienting reflex, alarm reaction. A sketch of subject matter and research logic in psychosomatics] Stadler P. **Psyche (Stuttg)** 1982 Feb; 36(2):97–122 (Eng. Abstr.) **(Ger)**
['Pensée opératoire' and the death drive hypothesis. Critical remarks on the theoretical concept of the French psychosomatic school] Zepf S, et al. **Psyche (Stuttg)** 1982 Feb;36(2):123–38 (Eng. Abstr.) **(Ger)**

PHYSIOLOGY

Relative contributions of chemical and non-chemical drives to the breath-holding time in breath-hold divers (Ama). Honda Y, et al. **Jpn J Physiol** 1981;31(2):181–6

DROMEDARY see **CAMELS**

L-DROMORAN see **LEVORPHANOL**

DROOLING see **SIALORRHEA**

DROPERIDOL

Pain and myoclonus during induction with etomidate. A double-blind, controlled evaluation of the influence of droperidol and fentanyl. Helmers JH, et al. **Acta Anaesthesiol Belg** 1981;32(2):141–7
Myocardial oxygen consumption and coronary haemodynamics during fentanyl-droperidol-nitrous oxide anaesthesia in patients with ischaemic heart disease. Reiz S, et al. **Acta Anaesthesiol Scand** 1981 Jun;25(3):286–92
Variation of rat serum biochemical values following decapitation or anesthesia with ether, halothane or Innovar-VetR: rapid Innovar-VetR-induced hyperuricemia and hyperglycemia. Scott FW, et al. **Metabolism** 1982 May;31(5):514–9
[Experimental and clinical studies on arousal effects of naloxone after droperidol-pentazocine anesthesia (author's transl)] Tanaka A. **Masui** 1982 Jan;31(1):62–74 (Eng. Abstr.) **(Jpn)**
[Neuroleptanalgesia with valoron and droperidol in myocardial infarct] Golikov AP, et al. **Ter Arkh** 1982; 54(5):19–23 (Eng. Abstr.) **(Rus)**
[Experimental clinical study of the analgesic action of various components of general electroanesthesia without pharmacologic anesthetics and analgesics] Sachkov VI, et al. **Vestn Akad Med Nauk SSSR** 1981;(8):45–50 (Eng. Abstr.) **(Rus)**

ADMINISTRATION & DOSAGE

Effective control of cisplatin-induced nausea using high-dose steroids and droperidol. Mason BA, et al. **Cancer Treat Rep** 1982 Feb;66(2):243–5
[Smooth induction of anaesthesia in children by means of oral or rectal ketamine-dehydrobenzperidol application (author's transl)] Cetina J. **Anaesthesist** 1982 Jun; 31(6):277–9 (Eng. Abstr.) **(Ger)**
[Peridural anesthesia and analgesia results in general surgery] Frings N, et al. **Chirurg** 1982 Mar;53(3):184–8 (Eng. Abstr.) **(Ger)**
[Prevention of the sympathomimetic effect of ketamine with droperidol] Dundua NG, et al. **Anesteziol Reanimatol** 1982 May-Jun;(3):17–21 **(Rus)**
[Changes in the 11-hydroxycorticosteroid content of patients receiving droperidol and sodium oxybutyrate and undergoing electrostimulation] Sergeenko NI, et al. **Vestn Khir** 1981 Nov;127(11):114–6 **(Rus)**

ADVERSE EFFECTS

Avoiding psychic adverse effects during induction of neurolept anaesthesia with levomepromazine. A double-blind study of levomepromazine and droperidol. Rennemo F, et al. **Acta Anaesthesiol Scand** 1982 Apr; 26(2):108–11
Droperidol and pheochromocytoma [letter] Blitt CD. **Anesth Analg (Cleve)** 1981 Oct;60(10):770–1
Acute akathisia after oral droperidol and metoclopramide preoperative medication [letter] Barnes TR, et al. **Lancet** 1982 Jul 3;2(8288):48–9
[Anaphylactic reaction to Thalamonal and atropine] Djukanović R, et al. **Srp Arh Celok Lek** 1981 Aug; 109(8):1073–7 (Eng. Abstr.) **(Scc)**

ANTAGONISTS & INHIBITORS

Reversal of the neuroleptanalgesic effect of droperidolfentanyl in the dog by 4-aminopyridine and naloxone. Booth NH, et al. **Am J Vet Res** 1982 Jul; 43(7):1227–31

DIAGNOSTIC USE

[On the exact representation of digital arteries of hands and feet (author's transl)] Platzbecker H, et al. **Radiol Diagn (Berl)** 1982 Mar;23(2):272–8 **(Ger)**

IMMUNOLOGY

[Immunotropic activity of chemical compounds] Artsimovich NG. **Probl Gematol Pereliv Krovi** 1981 Oct;26(10):28–33 (Eng. Abstr.) **(Rus)**

PHARMACODYNAMICS

A consideration of prolonged succinylcholine paralysis with Innovar: is the cause droperidol or fentanyl? Lewis RA. **AANA J** 1982 Feb;50(1):55–9
Hemodynamic consequences of defence area stimulation and afferent somatic nerve stimulation during fentanyl-nitrous oxide anesthesia. Modifying effects of droperidol. Biber B, et al. **Acta Anaesthesiol Scand** 1981 Aug;25(4):336–43
Antiemetic effectiveness of intramuscular hydroxyzine compared with intramuscular droperidol. McKenzie R, et al. **Anesth Analg (Cleve)** 1981 Nov;60(11):783–8
Effects of droperidol on left ventricular performance in humans. Marty J, et al. **Anesthesiology** 1982 Jul;57(1):22–5
Control of breathing after fentanyl and Innovar anaesthesia. Smedstad KG, et al. **Br J Anaesth** 1982 Jun;54(6):599–604
On the stability of Innovar, a neuroleptic analgesic, for cardiovascular experiments. Brill RW, et al. **Can J Physiol Pharmacol** 1981 Nov;59(11):1184–9
[The effects of serotonin and droperidol on the pulmonary capillary blood flow waves by N2O-body plethysmograph method (author's transl)] Takeda J. **Kokyu To Junkan** 1982 Feb;30(2):165–72 (Eng. Abstr.) **(Jpn)**
[Effects of morphine anesthesia and thalamonal anesthesia on myocardial blood flow after coronary artery ligation (author's transl)] Furuya Y, et al. **Masui** 1982 Feb; 31(2):145–52 (Eng. Abstr.) **(Jpn)**
[Determination of circulating blood volume during surgical treatment of patients in the late stages of mitral stenosis] Chufarov VN, et al. **Anesteziol Reanimatol** 1982 May-Jun; (3):19–21 (Eng. Abstr.) **(Rus)**
[Pharmacodynamics of the interaction of neuroleptanalgetics] Karkishchenko NN, et al. **Farmakol Toksikol** 1982 May-Jun;45(3):45–50 (Eng. Abstr.) **(Rus)**

THERAPEUTIC USE

Droperidol (Dehydrobenzperidol): postoperative anti-emetic effect when given intravenously to gynaecological patients. Mortensen PT. **Acta Anaesthesiol Scand** 1982 Feb; 26(1):48–52
Neuroleptanaesthesia in paediatric practice. Appukutty VG, et al. **Ann Acad Med Singapore** 1981 Oct;10(4):544–7
A comparison of droperidol and metoclopramide in the treatment of nausea and vomiting during cis-platinum polichemotherapy in ovarian carcinoma. Bolis PF, et al. **Eur J Gynaec Oncol** 1981;2(2):57–9
Nausea and vomiting after local anesthesia for cataract extraction in elderly female patients — effect of droperidol premedication. Karhunen U, et al. **Ophthalmic Surg** 1981 Nov;12(11):810–2
[Premedication with neuroleptic and anxiolytic agents: for whom?] Knape JT, et al. **Ned Tijdschr Geneeskd** 1982 Feb 6;126(6):233–6 (Eng. Abstr.) **(Dut)**
[Droperidol in an attack of hepatic colic] Chojnacki J, et al. **Wiad Lek** 1982 May 1;35(3–4):187–9 (Eng. Abstr.) **(Pol)**
[Treatment of postoperative pain by peridural analgesia: haemodynamic study (author's transl)] Muriel Villoria C, et al. **Rev Esp Anestesiol Reanim** 1981 Jul;28(4):205–8 (Eng. Abstr.) **(Spa)**

DROPSY see **EDEMA**

DROSOPHILA

Drosophila myiasis mimicking sepsis in a newborn. Clark JM, et al. **West J Med** 1982 May;136(5):443–4

ANALYSIS

Identification of histone H2b as a heat-shock protein in Drosophila. Sanders MM. **J Cell Biol** 1981 Nov;91(2 Pt 1):579–83
Stimulation of polyoma DNA replication in isolated nucleoprotein complexes by factors from Drosophila embryos. Mastromei G, et al. **J Mol Biol** 1981 Oct 5; 151(4):627–43

CYTOLOGY

Comparative study of structure and function of blood cells from two Drosophila species. Brehélin M. **Cell Tissue Res** 1982;221(3):607–15
Gap junctional communication compartments in the Drosophila wing disk. Weir MP, et al. **Proc Natl Acad Sci USA** 1982 May;79(10):3232–5

DRUG EFFECTS

Response of Drosophila to cis- and trans-22-dehydrocholesterol: I. A survey. Kircher HW, et al. **Lipids** 1982 Mar;17(3):209–14

EMBRYOLOGY

Molecular dimorphism of the X chromosome of male and female larvae in Drosophila hydei. De Roda E, et al. **Acta Embryol Morphol Exp** 1980 Oct;1(2):119–27
Probability distributions and compartment boundaries in the development of Drosophila. Flanagan JR. **Genetics** 1981 May;98(1):115–42
Pattern formation in the Drosophila embryo. Kauffman SA. **Philos Trans R Soc Lond [Biol]** 1981 Oct 7;295(1078):567–94

ENZYMOLOGY

Determination of some biochemical and structural features of alcohol dehydrogenases from Drosophila simulans and Drosophila virilis. Comparison of their properties with the Drosophila melanogaster Adhs enzyme. Juan E, et al. **Biochem J** 1981 Apr 1;195(1):61–9
Rna polymerase I from Drosophila hydei pupae-purification and partial characterization. Gundelfinger E, et al. **FEBS Lett** 1982 Jun 1;142(1):7–11
Immunological studies of RNA polymerase II using antibodies to subunits of Drosophila and wheat germ

enzyme. Weeks JR, et al. **J Biol Chem** 1982 May 25; 257(10):5884–92

GENETICS

Components of maze running in Drosophila pseudoobscura dn Drosophila persimilis. Levine L, et al. **Behav Genet** 1981 Jul;11(4):415–23

Light-dependent pupation site preferences in Drosophila. II. Drosophila melanogaster and Drosophila simulans. Manning M, et al. **Behav Genet** 1981 Nov;11(6):557–63

Transcription of the major Drosophila heat-shock genes in vitro. Craine BL, et al. **Biochemistry** 1981 Nov 10; 20(23):6584–8

Identifying P factors in Drosophila by means of chromosome breakage hotspots. Engels WR, et al. **Cell** 1981 Nov;26(3 Pt 1):421–8

The cuticle genes of drosophila: a developmentally regulated gene cluster. Snyder M, et al. **Cell** 1981 Jul;25(1):165–77

The control of ecdysterone-regulated puffs in Drosophila salivary glands. Walker VK, et al. **Cell** 1981 Oct;26(2 Pt 2):269–77

Rapid and high resolution detection of in situ hybridisation to polytene chromosomes using fluorochrome-labeled RN/.. Bauman JG, et al. **Chromosoma** 1981;84(1):1–18

Cytological dissection of sex chromosome heterochromatin of Drosophila hydei. Bonaccorsi S, et al. **Chromosoma** 1981; 84(3):391–403

Non-random position of the A–T rich DNA sequences in early embryos of Drosophila virilis. Ellison JR, et al. **Chromosoma** 1981;83(4):555–61

Isolation of a structural gene mapping to subregions 63F of Drosophila melanogaster and 90B of D. hydei polytene chromosomes. Izquierdo M, et al. **Chromosoma** 1981; 83(3):353–66

Analysis of nuclear proteins in primary spermatocytes of Drosophila hydei: The correlation of nuclear proteins with the function of the Y chromosomal loops. Kloetzel PM, et al. **Chromosoma** 1981;84(1):67–86

Distribution of spacer length classes and the intervening sequence among different nucleolus organizers in Drosophila hydei. Kunz W, et al. **Chromosoma** 1981; 83(2):145–58

Restriction enzyme analysis of a highly diverged satellite DNA from Drosophila nasutoides. Lee CS. **Chromosoma** 1981;83(3):367–79

The chromosomes of two Drosophila races: D. nasuta nasuta and D. n. albomicana. I. Distribution and differentiation of heterochromatin. Ranganath HA, et al. **Chromosoma** 1982;85(1):83–92

Differential staining of Y chromosomal lampbrush loops of Drosophila hydei. Yamasaki N. **Chromosoma** 1981; 83(5):679–84

Bithoraxoid, postbithorax, and the determination system of the haltere disk. Adler PN. **Dev Biol** 1981 Aug;86(1):157–69

Clonal analysis of the undifferentiated wing disk of Drosophila. Brower DL, et al. **Dev Biol** 1981 Sep; 86(2):448–55

Isolation of cloned genes differentially expressed at early and late stages of Drosophila embryonic development. Scherer G, et al. **Dev Biol** 1981 Sep;86(2):438–47

Autosomal mutations that interfere with sex determination in somatic cells of Drosophila have no direct effect on the germline. Schüpbach T. **Dev Biol** 1982 Jan;89(1):117–27

A note on the utility of repair-deficient st mus302 Drosophila females in detecting chromosome loss and sex-linked recessive lethals induced in the male genome by methyl methanesulfonate (MMS) and dimethylnitrosamine (DMN). Zimmering S. **Environ Mutagen** 1982;4(3):291–3

The banding pattern of the segment 46A–48C in Drosophila hydei polytene chromosomes as studied by confocal scanning light microscopy (CSLM). Grond CJ, et al. **Exp Cell Res** 1982 Apr;138(2):458–62

Recombination frequency and DNA content of the distal part of the second chromosome of Drosophila hydei Sturtevant. Grond CJ, et al. **Experientia** 1982 Mar 15;38(3):328–9

Crossing-over in the female hybrids between Drosophila simulans and Drosophila mauritiana. Sánchez L. **Experientia** 1982 Apr 15;38(4):448–9

Inter-locus allozyme mobility correlations and species divergence. Ward RD, et al. **Experientia** 1982 Jun 15; 38(6):654–5

The distribution of heterozygosity in template and tropical species of Drosophila. Latter BD. **Genet Res** 1981 Oct; 38(2):137–56

The satellite DNAs of Drosophila simulans. Lohe AR. **Genet Res** 1981 Dec;38(3):237–50

Genetic variation and genetic load due to the male reproductive component of fitness in Drosophila. Brittnacher JG. **Genetics** 1981 Mar–Apr;97(3–4):719–30

Genetic variability at the esterase-6 locus in natural populations of Drosophila simulans in relation to environmental heterogeneity. de Albuquerque CM, et al. **Genetics** 1981 Jun;98(2):399–407

Nucleocytoplasmic relations in a mutator-suppressor system of Drosophila ananassae. Hinton CW. **Genetics** 1981 May; 98(1):77–90

Gene flow and the geographical distribution of a molecular polymorphism in Drosophila pseudoobscura. Jones JS, et al. **Genetics** 1981 May;98(1):157–78

The genetics of Drosophila subobscura populations. XVII. Further genic heterogeneity within electromorphs by urea denaturation and the effect of the increased genic variability on linkage disequilibrium studies. Loukas M, et al. **Genetics** 1981 Feb;97(2):429–41

Estimation of genetic variability in natural populations of Drosophila simulans by two-dimensional and starch gel electrophoresis. Ohnishi S, et al. **Genetics** 1982 Jan; 100(1):127–36

Density- and frequency-dependent selection at the Mdh-2 locus in Drosophila pseudoobscura. Tošić M, et al. **Genetics** 1981 Mar–Apr;97(3–4):679–701

Substrate-preference polymorphism at an esterase locus of Drosophila mojavensis. Zouros E, et al. **Genetics** 1982 Feb; 100(2):307–14

The chromosomal basis of sexual isolation in two sibling species of Drosophila: D. arizonensis and D. mojavensis. Zouros E. **Genetics** 1981 Mar–Apr;97(3–4):703–18

An experimental study of neutrality at the malic dehydrogenase and esterase-5 loci in Drosophila pseudoobscura. Arnason E. **Hereditas** 1982;96(1):13–27

Evolution of Drosophila on the newer Hawaiian volcanoes. Carson HL. **Heredity (Edinburgh)** 1982 Feb;48(Pt 1):3–25 (49 ref.)

Identification of regulatory sequences contained in the 5'-flanking region of Drosophila lysine tRNA2 genes. DeFranco D, et al. **J Biol Chem** 1981 Dec 10; 256(23):12424–9

Molecular evolution of Drosophila and higher Diptera. I. Micro-complement fixation studies of a larval hemolymph protein. Beverley SM, et al. **J Mol Evol** 1982;18(4):251–64

Evolutionary distances in Hawaiian Drosophila measured by DNA reassociation. Hunt JA, et al. **J Mol Evol** 1981; 17(6):361–7

A cis-acting regulator of enzyme tissue specificity in Drosophila is expressed at the RNA level. Rabinow L, et al. **MGG** 1981;183(2):264–9

Molybdenum hydroxylases in Drosophila. II. Molybdenum cofactor in xanthine dehydrogenase, aldehyde oxidase and pyridoxal oxidase. Warner CK, et al. **MGG** 1981; 184(1):92–6

A family of related proteins is encoded by the major Drosophila heat shock gene family. Wadsworth SC. **Mol Cell Biol** 1982 Mar;2(3):286–92

Somatic and teratogenic effects induced by heliotrine in Drosophila. Brink NG. **Mutat Res** 1982 Apr; 104(1–3):105–11

The use of larval stages of Drosophila in screening for some naturally occurring mutagens. Clark AM. **Mutat Res** 1982 Feb 22;92(1–2):89–97

An evaluation of the Drosophila zeste somatic eye mutation test for the detection of genotoxic azo dyes and an aromatic amine. Edwards CN, et al. **Mutat Res** 1981 Nov;84(1):221–6

Some statistical aspects of spontaneous sex-linked recessive lethal mutations in Drosophila. Gocke E, et al. **Mutat Res** 1982 May–Jun;104(4–5):239–42

A search for some common characteristics of the effects of chemical mutagens in Drosophila. Vogel EW, et al. **Mutat Res** 1982 Feb 22;92(1–2):69–87 (68 ref.)

Note on the utility of the st mus302 test for chromosome loss in a blind test of an environmental compound for chromosome breakage in Drosophila. Zimmering S. **Mutat Res** 1982 Apr;104(1–3):117–9

Cytogenetic location and expression of collagen-like genes in Drosophila. Natzle JE, et al. **Nature** 1982 Mar 25; 296(5855):368–71

Unequal crossing-over accounts for the organization of Drosophila virilis rDNA insertions and the integrity of flanking 28S gene. Rae PM. **Nature** 1982 Apr 8; 296(5857):579–81

Decapentaplegic - hopes held out [news] Struhl G. **Nature** 1982 Jul 1;298(5869):13–4

Expression of Drosophila heat shock genes is regulated in Rat-cells. Burke JF, et al. **Nucleic Acids Res** 1982 Jul 10; 10(13):3821–30

Transcription of cloned tRNA and 5S RNA genes in a Drosophila cell free extract. Dingermann T, et al. **Nucleic Acids Res** 1981 Aug 25;9(16):3907–18

Genetic variation in natural populations: problem of electrophoretically cryptic alleles. Ayala FJ. **Proc Natl Acad Sci USA** 1982 Jan;79(2):550–4

Integration, transcription, and control of a Drosophila heat shock gene in mouse cells. Corces V, et al. **Proc Natl Acad Sci USA** 1981 Nov;78(11):7038–42

The developmentally regulated chorion gene families of insects. Kafatos FC. **Prog Clin Biol Res** 1982;85 Pt A:289–304 (49 ref.)

Control of body segment differentiation in Drosophila by the bithorax gene complex. Lewis EB. **Prog Clin Biol Res** 1982;85 Pt A:269–88

Theory of regulatory functions of the genes in the bithorax complex. Meinhardt H. **Prog Clin Biol Res** 1982;85 Pt A:337–48

[Changing number of histone structural genes in Drosophila] Chernyshev AI. **Mol Biol (Mosk)** 1982 May–Jun; 16(3):593–603 (Eng. Abstr.) **(Rus)**

[Repetitious DNA in the genome of Drosophila lummei Hackman and its role in replication and chromosome behavior in mitosis] Evgen'ev MB, et al. **Mol Biol (Mosk)** 1982 May–Jun;16(3):626–32 (Eng. Abstr.) **(Rus)**

GROWTH & DEVELOPMENT

Compartmental restrictions and blastema formation during pattern regulation in Drosophila imaginal leg discs. Abbott LC, et al. **Dev Biol** 1981 Oct 15;87(1):64–75

Growth during pattern regulation in imaginal discs. Adler PN. **Dev Biol** 1981 Oct 30;87(2):356–73

Genetic regulation of isozyme patterns in Drosophila during development. Korochkin LI. **Isozymes Curr Top Biol Med Res Isozymes** 1980;4:159–202 (175 ref.)

Pattern regulation in tergite of Drosophila: a model. Madhavan MM, et al. **J Theor Biol** 1982 Apr 21; 95(4):731–48

A comparison of the ribosomal proteins of Drosophila ovary, adult, and embryo. Chooi WY. **MGG** 1981;184(3):342–6

METABOLISM

Intracellular translocation of cellular and heat shock induced proteins upon heat shock in Drosophila Kc cells. Tanguay RM, et al. **Can J Biochem** 1982 Mar;60(3):306–15

Functional neuroanatomical mapping in insects by **[3H]** 2-deoxy-D-glucose at electron microscopical resolution. Buchner S, et al. **Neurosci Lett** 1982 Mar 5;28(3):235–40

Hormonal regulation of a larval haemolymph protein in Drosophila. Jowett T, et al. **Prog Clin Biol Res** 1982;85 Pt A:373–80

Light-induced modification of Drosophila retinal polypeptides in vivo. Matsumoto H, et al. **Science** 1982 Aug 27;217(4562):839–41

[Incorporation of 5-bromodeoxyuridine-6-3H in salivary gland cells of Drosophila virilis Sturt. during prolonged labeling] Poluéktova EV, et al. **Ontogenez** 1982 Mar–Apr; 13(2):109–14 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

In vitro spermatogenesis in Drosophila. I. Development of isolated spermatocyte cysts from wild-type D. hydei. Liebrich W. **Cell Tissue Res** 1981;220(2):251–62

Light-induced reduction in excitation efficiency in the trp mutant of Drosophila. Minke B. **J Gen Physiol** 1982 Mar; 79(3):361–85

DROSOPHILA MELANOGASTER

ANALYSIS

Major high mobility group like proteins of Drosophila melanogaster embryonic nuclei. Bassuk JA, et al. **Biochemistry** 1982 Mar 2;21(5):1024–7

Comparison of the larval serum proteins of Drosophila melanogaster using one and two-dimensional peptide mapping. Brock HW, et al. **Eur J Biochem** 1980 May; 106(1):129–35

Identification of Drosophila indirect flight muscle myofibrillar proteins by means of two-dimensional electrophoresis. Mogami K, et al. **J Biochem (Tokyo)** 1982 Feb;91(2):643–50

Heat-shock proteins of Drosophila are associated with nuclease-resistant, high-salt-resistant nuclear structures. Levinger L, et al. **J Cell Biol** 1981 Sep;90(3):793–6

Small nuclear RNAs from Drosophila KC-H cells; characterization and comparison with mammalian RNAs. Ireland L, et al. **Mol Biol Rep** 1982 Mar 31;8(2):97–101

HnRNP particles from Drosophila melanogaster cells. Szabó G, et al. **Mol Biol Rep** 1981 Aug 14;7(4):221–5

ANATOMY & HISTOLOGY

Neural reorganization during metamorphosis of the corpora pedunculata in Drosophila melanogaster. Technau G, et al. **Nature** 1982 Feb 4;295(5848):405–7

CYTOLOGY

Ecdysterone, insulin and fly extract needed for the proliferation of normal Drosophila cells in defined medium. Wyss C. **Exp Cell Res** 1982 Jun;139(2):297–307

Differentiation within the gonads of Drosophila revealed by immunofluorescence. Brower DL, et al. **J Embryol Exp Morphol** 1981 Jun;63:233–42

DRUG EFFECTS

Mutagenic effects of bleomycin in Drosophila melanogaster. Traut H. **Environ Mutagen** 1980;2(1):89–96

Effects of aflatoxin B, aflatoxin B, aflatoxin G and sterigmatocystin on viability, rates of development, and body length in two strains of Drosophila melanogaster (Diptera). Gunst K, et al. **J Invertebr Pathol** 1982 May; 39(3):388–94

Polyploidy and aneuploidy induced by colcemid in Drosophila melanogaster. Held LI Jr. **Mutat Res** 1982 May; 94(1):87–101

Studies on the induction of sex-linked recessive lethal mutations in Drosophila melanogaster by nitroheterocyclic compounds. Kramers PG. **Mutat Res** 1982 May; 101(3):209–36

Induced chromosome loss following treatment of postmeiotic cells of the Drosophila melanogaster male with MMS and DMN and matings with repair-proficient females and the repair-deficient females mei-9a and st mus302. Zimmering S. **Mutat Res** 1982 May;94(1):79–86

[Drosophila mutants sensitive to methylmethane sulfonate. I. Their isolation and genetic analysis] Aslanian MM, et al. **Biol Nauki** 1981;(11):83–8 **(Rus)**

EMBRYOLOGY

Developmental lesions in the Agametic mutant of Drosophila melanogaster. Engstrom L, et al. **Dev Biol** 1982 May; 91(1):163–70

Pattern abnormalities induced in Drosophila imaginal discs by an ultraviolet laser microbeam. Girton JR, et al. **Dev Biol** 1982 May;91(1):73–7

Protein synthesis and accumulation in Drosophila melanogaster imaginal discs: identification of a protein with a nonrandom spatial distribution. Greenberg RM, et al. **Dev Biol** 1982 Feb;89(2):273–86

Monoclonal antibodies recognizing cell surface antigens in Drosophila melanogaster. Spragg JH, et al. **Dev Biol** 1982 Feb;89(2):339–52

Observations by a novel method of surface changes during the syncytial blastoderm stage of the Drosophila embryo. Warn RM, et al. **Dev Biol** 1982 Feb;89(2):540–8

Isolation and characterization of a proteinaceous subnuclear fraction composed of nuclear matrix, peripheral lamina, and nuclear pore complexes from embryos of Drosophila melanogaster. Fisher PA, et al. **J Cell Biol** 1982 Mar; 92(3):674–86

Somatic gene amplification during Drosophila oogenesis [news] Ish-Horowicz D. **Nature** 1982 Apr 29; 296(5860):806–7

Extensive regulatory capabilities of a Drosophila imaginal disk blastema. Karpen GH, et al. **Nature** 1981 Dec 24; 294(5843):744–7

Loss of the ability to form pole cells in Drosophila embryos with artificially delayed nuclear arrival at the posterior pole. Okada M. **Prog Clin Biol Res** 1982;85 Pt A:363–72

Cell determination in Drosophila melanogaster embryo. Simcox AA, et al. **Prog Clin Biol Res** 1982;85 Pt A:349–61

Oxygen-effect as an inhibition of repair: radiation studies on excision repair deficient mei-9L1-embryos of Drosophila. Fritz-Niggli H, et al. **Radiat Environ Biophs** 1981; 19(4):265–74

Genes that control development [news] Marx JL. **Science** 1981 Sep 25;213(4515):1485–8

ENZYMOLOGY

Genetic analysis of cyclic nucleotide phosphodiesterases in Drosophila melanogaster. Kiger JA Jr, et al. **Adv Cyclic Nucleotide Res** 1981;14:273–88

Fructose 1,6-bisphosphate aldolase of Drosophila melanogaster: comparative sequence analyses around the substrate-binding lysyl residue. Brenner-Holzach O, et al. **Arch Biochem Biophys** 1982 Mar;214(1):89–101

An electrophoretically cryptic alcohol dehydrogenase variant in Drosophila melanogaster. III. Biochemical properties and comparison with common enzyme forms. Chambers GK, et al. **Aust J Biol Sci** 1981;34(5–6):625–37

Dimethylnitrosamine demethylase activity in Drosophila melanogaster. Waters LC, et al. **Biochem Biophys Res Commun** 1982 Jun 15;106(3):779–85

Purification and genetic control of NAD-dependent glutamate dehydrogenase from Drosophila melanogaster. Caggese C, et al. **Biochem Genet** 1982 Jun;20(5–6):449–60

Tissue-specific and substrate-specific detection of aldehyde and pyridoxal oxidase in larval and imaginal tissues of Drosophila melanogaster. Cypher JJ, et al. **Biochem Genet** 1982 Apr;20(3–4):315–32

Regulation of amylase activity in Drosophila melanogaster: variation in the number of enzyme molecules produced by different amylase genotypes. Hickey DA. **Biochem Genet** 1981 Aug;19(7–8):783–96

The effects of molybate, tungstate and lxd on aldehyde oxidase and xanthine dehydrogenase in Drosophila melanogaster. Bentley MM, et al. **Can J Genet Cytol** 1981; 23(4):597–609

Immunological relatedness of subunits of RNA polymerase II from insects and mammals. Krämer A, et al. **Eur J Biochem** 1981 Jul;117(3):449–55

How can Drosophila flies without aldehyde oxidase detoxify acetaldehyde? Lietaert MC, et al. **Experientia** 1982 Jun 15; 38(6):651–2

Superoxide dismutase activity in two different wild-type strains of Drosophila melanogaster. Massie HR, et al. **Gerontology** 1981;27(4):205–8

Properties of mutationally altered RNA polymerases II of Drosophila. Coulter DE, et al. **J Biol Chem** 1982 Feb 25; 257(4):1945–52

Monoclonal antibodies selective for Drosophila melanogaster choline acetyltransferase. Crawford G, et al. **J Biol Chem** 1982 Apr 10;257(7):3853–6

Structural analysis of adult and larval isozymes of sn-glycerol-3-phosphate dehydrogenase of Drosophila melanogaster. Niesel DW, et al. **J Biol Chem** 1982 Jan 25; 257(2):979–83

Purification of choline acetyltransferase from Drosophila melanogaster. Slemmon JR, et al. **J Biol Chem** 1982 Apr 10;257(7):3847–52

Apurinic DNA endonucleases from Drosophila melanogaster embryos. Spiering AL, et al. **MGG** 1981;183(1):171–4

Evidence for biochemical and physiological differences between enzyme genotypes in Drosophila melanogaster. Cavener DR, et al. **Proc Natl Acad Sci USA** 1981 Jul; 78(7):4444–7

A DNA primase activity associated with DNA polymerase alpha from Drosophila melanogaster embryos. Conaway RC, et al. **Proc Natl Acad Sci USA** 1982 Apr;79(8):2523–7

Superoxide dismutase in Drosophila melanogaster: biochemical and structural characterization of allozyme variants. Lee YM, et al. **Proc Natl Acad Sci USA** 1981 Nov;78(11):7052–5

Effect of heat shock on poly(ADP-ribose) synthetase and DNA repair in Drosophila cells. Nolan NL, et al. **Radiat Res** 1982 Apr;90(1):187–203

GENETICS

Studies on genetical effect of pesticides in Drosophila melanogaster. Parádi E, et al. **Acta Biol Acad Sci Hung** 1981;32(2):119–21

The genetics of transfer RNA in Drosophila. Kubli E. **Adv Genet** 1982;21:123–72 (197 ref.)

Drosophila genome organization: conserved and dynamic aspects. Spradling AC, et al. **Annu Rev Genet** 1981; 15:219–64 (321 ref.)

Studies of esterase 6 in Drosophila melanogaster. VII. Remating times of females inseminated by males having active or null alleles. Gilbert DG, et al. **Behav Genet** 1981 May;11(3):195–208

Genetic and sensory aspects of mating success of phototactic strains of Drosophila melanogaster. Markow TA. **Behav Genet** 1981 May;11(3):273–9

Analysis of Y chromosome nucleolar organizer mutants in Drosophila melanogaster. Gandhi VV, et al. **Biochem Biophys Res Commun** 1982 Jan 29;104(2):778–84

The molybdoenzyme system of Drosophila melanogaster. I. Sulfite oxidase: identification and properties. Expression of the enzyme in maroon-like (mal), low-xanthine dehydrogenase (lxd), and cinnamon (cin) flies. Bogaart AM, et al. **Biochem Genet** 1981 Oct;19(9–10):929–46

The LSP1-alpha gene is not dosage compensated in the Drosophila melanogaster species subgroup. Brock HW, et al. **Biochem Genet** 1982 Apr;20(3–4):287–96

Aldehyde oxidase cross-reacting material in the Aldoxn, cin, mal, and lxd mutants of Drosophila melanogaster. Browder LW, et al. **Biochem Genet** 1982 Feb;20(1–2):111–24

Xanthine Dehydrogenase (XDH) cross-reacting material in mutants of Drosophila melanogaster deficient in XDH activity. Browder LW, et al. **Biochem Genet** 1982 Feb; 20(1–2):125–32

Aldehyde oxidases of Drosophila: contributions of several enzymes to observed activity patterns. Dickinson WJ, et al. **Biochem Genet** 1981 Jun;19(5–6):567–83

Genetic, ontogenetic, and tissue-specific variation of dipeptidases in Drosophila melanogaster. Laurie-Ahlberg CC. **Biochem Genet** 1982 Jun;20(5–6):407–24

Drosophila alcohol dehydrogenase: developmental studies on cryptic variant lines. Miglani GS, et al. **Biochem Genet** 1981 Oct;19(9–10):947–54

The association between malathion resistance and acetylcholinesterase in Drosophila melanogaster. Morton RA, et al. **Biochem Genet** 1982 Feb;20(1–2):179–98

Selection at the alpha-Gpdh locus in experimental populations of Drosophila melanogaster. Palabost-Charles L. **Biochem Genet** 1982 Jun;20(5–6):461–74

Genetic and cytogenetic studies of malic enzyme in Drosophila melanogaster. Voelker RA, et al. **Biochem Genet** 1981 Jun;19(5–6):525–34

Transcription of heat shock loci of Drosophila in a nuclear system. Miller DW, et al. **Biochemistry** 1981 Aug 18; 20(17):5033–42

Effect of the singed locus on the egg production curve of Drosophila melanogaster. Alvarez G, et al. **Can J Genet Cytol** 1981;23(2):327–36

The control of aldehyde oxidase and xanthine dehydrogenase activities and CRM levels by the mal locus in Drosophila melanogaster. Bentley MM, et al. **Can J Genet Cytol** 1982; 24(1):11–7

The developmental analysis of aldehyde oxidase activity in cin allelic heterozygotes of Drosophila melanogaster. Bentley MM, et al. **Can J Genet Cytol** 1982;24(1):1–9

Selection for malathion-resistance in Drosophila melanogaster. Singh RS, et al. **Can J Genet Cytol** 1981; 23(2):355–69

Somatic eye mutation in Drosophila melanogaster as a short-term test for mutagens and carcinogens. Mitchell ID, et al. **Carcinogenesis** 1981;2(8):783–6

Cloning of DNA sequences from the white locus of D. melanogaster by a novel and general method. Bingham PM, et al. **Cell** 1981 Sep;25(3):693–704

A copy of the copia transposable element is very tightly linked to the Wa allele at the white locus of D. melanogaster. Bingham PM, et al. **Cell** 1981 Sep; 25(3):705–11

Activation of the major drosophila heat-shock genes in vitro. Craine BL, et al. **Cell** 1981 Sep;25(3):671–81

The rDNA of Drosophila melanogaster. Glover DM. **Cell** 1981 Nov;26(3 Pt 1):297–8

Molecular organization of a Drosophila puff site that responds to ecdysone. Meyerowitz EM, et al. **Cell** 1982 Jan;28(1):165–76

Regulation of tubulin gene expression during embryogenesis in Drosophila melanogaster. Raff EC, et al. **Cell** 1982 Jan; 28(1):33–40

Decapentaplegic: a gene complex affecting morphogenesis in Drosophila melanogaster. Spencer FA, et al. **Cell** 1982 Mar;28(3):451–61

The organization and amplification of two chromosomal domains containing Drosophila chorion genes. Spradling AC. **Cell** 1981 Nov;27(1 Pt 2):193–201

A chromosome inversion alters the pattern of specific DNA replication in Drosophila follicle cells. Spradling AC, et al. **Cell** 1981 Nov;27(1 Pt 2):203–9

A cloned unique gene of Drosophila melanogaster contains a repetitive 3' exon whose sequence is present at the 3' ends of many different mRNAs. Tchurikov NA, et al. **Cell** 1982 Feb;28(2):365–73

Cytogenetic analysis of the 2B3–4–2B11 region of the X chromosome of Drosophila melanogaster. II. Changes in 20-OH ecdysone puffing caused by genetic defects of puff 2B5. Belyaeva ES, et al. **Chromosoma** 1981;84(2):207–19

Structure and distribution of inverted repeats (Palindromes). I. Analysis of DNA of Drosophila melanogaster. Biezunski N. **Chromosoma** 1981;84(1):87–109

Quantitative in situ hybridization reveals extent of sequence homology between related DNA sequences in Drosophila melanogaster. Brock HW, et al. **Chromosoma** 1981; 83(2):159–68

The genes coding for tRNA Tyr of Drosophila melanogaster: localization of determination of the gene numbers. Dudler R, et al. **Chromosoma** 1981;84(1):49–60

Interstrain heterochromatin polymorphisms in Drosophila melanogaster. Halfer C. **Chromosoma** 1981;84(2):195–206

Analysis of spermatogenesis in Drosophila melanogaster bearing deletions for Y-chromosome fertility genes. Hardy RW, et al. **Chromosoma** 1981;83(5):593–617

Position-effect variegation and chromosome structure of a heat shock puff in Drosophila. Henikoff S. **Chromosoma** 1981;83(3):381–93

Isolation of a structural gene mapping to subregions 63F of Drosophila melanogaster and 90B of D. hydei polytene chromosomes. Izquierdo M, et al. **Chromosoma** 1981; 83(3):353–66

Genetic analysis of the larval secretion gene Sgs-4 and its regulatory chromosome sites in Drosophila melanogaster. Korge G. **Chromosoma** 1981;84(3):373–90

Meiosis in Drosophila melanogaster. I. Chromosome identification and kinetochore microtubule numbers during the first and second meiotic divisions in males. Lin HP, et al. **Chromosoma** 1981;83(4):507–21

Cytogenetic and genetic mapping of a salivary gland secretion protein in Drosophila melanogaster. Velissariou V, et al. **Chromosoma** 1981;84(2):173–85

Drosophilia alpha-tubulin genes and their transcription patterns. Kalfayan L, et al. **Cold Spring Harbor Symp Quant Biol** 1982;46 (Pt 1):185–90

Organization of a cluster of four chorion genes in Drosophila and its relationship to developmental expression and amplification. Griffin-Shea R, et al. **Dev Biol** 1982 Jun; 91(2):325–36

Patterns of temperature sensitivity in Contrabithorax/Ultrabithorax heterozygotes of Drosophila. Kauffman SA. **Dev Biol** 1981 Dec;88(2):341–51

Compartments in the abdomen of Drosophila and the role of the engrailed locus. Kornberg T. **Dev Biol** 1981 Sep; 86(2):363–72

A histological and ultrastructural analysis of developmental defects produced by the mutation, lethal(1)myospheroid, in Drosophila melanogaster. Newman SM Jr, et al. **Dev Biol** 1981 Sep;86(2):393–402

Actin gene expression during embryogenesis of Drosophila melanogaster. Sodja A, et al. **Dev Biol** 1982 Apr;90(2):363–8

Molecular cloning and characterization of Drosophila genes and their expression during embryonic development and in primary muscle cell cultures. Storti RV, et al. **Dev Biol** 1982 Apr;90(2):272–83

The role of the transformer genes in the development of genitalia and analia of Drosophila melanogaster. Wieschaus E, et al. **Dev Biol** 1982 Apr;90(2):320–34

Genes controlling sensitivity to alkylation and x-ray damage on chromosome 3 of Drosophila melanogaster. Beck AK, et al. **Environ Mutagen** 1980;2(3):425–9

Aneuploidy patterns in Drosophila melanogaster. Traut H. **Environ Mutagen** 1981;3(3):275–86

A further note on the utility of the excision repair-deficient mei-9a females of Drosophila melanogaster in detecting chromosome breakage induced by procarbazine in male germ cells. Zimmering S, et al. **Environ Mutagen** 1981; 3(3):293–5

Evidence that the repair deficient mei-9a female in Drosophila melanogaster is a strong potentiator of chromosome loss induced in the paternal genome by dimethylnitrosamine. Zimmering S, et al. **Environ Mutagen** 1980;2(2):187–90

Genetics of longevity in Drosophila. V. The specific and hybridised effects of rolled, sepia, ebony and eyeless autosomal mutants. Bozcuk AN. **Exp Gerontol** 1981; 16(5):415–27

Genetic variation at the alcohol dehydrogenase locus in Drosophila melanogaster: a third ubiquitous allele. Gibson JB, et al. **Experientia** 1982 Jun 15;38(6):653–4

Mobile dispersed repeated DNA elements in the Drosophila genome. Strobel E. **Fed Proc** 1982 Aug;41(10):2656–8

Cloning and characterization of nine heat-shock-induced mRNAs of Drosophila melanogaster. Lis JT, et al. **Gene** 1981 Oct;15(1):67–80

Heteroduplex analysis of tRNAVal3b genes from the 90BC and 84D sites of Drosophila melanogaster. Miller RC Jr, et al. **Gene** 1981 Dec;15(4):361–4

The cytogenetic boundaries of the rDNA region within heterochromatin in the X chromosome of Drosophila melanogaster and their relation to male meiotic pairing

sites. Appels R, et al. **Genet Res** 1982 Apr;39(2):149–56
Further observations on intragenic recombination in Drosophila melanogaster. Hilliker AJ, et al. **Genet Res** 1981 Dec;38(3):281–96
The relationship between heterochromatic homology and meiotic segregation of compound second autosomes during spermatogenesis in Drosophila melanogaster. Hilliker AJ, et al. **Genet Res** 1982 Apr;39(2):157–68
Exchange between the ribosomal RNA genes of X and Y chromosomes in Drosophila melanogaster males. Maddern RH. **Genet Res** 1981 Aug;38(1):1–7
Multilocus nonrandom associations in Drosophila melanogaster. Malpica JM, et al. **Genet Res** 1982 Feb; 39(1):41–61
Transcription of X-chromosomal segmental aneuploids of Drosophila melanogaster and regulation of dosage compensation. Prasad J, et al. **Genet Res** 1981 Oct; 38(2):103–13
The recovery and preliminary examination of a temperature sensitive suppressor of the cryptocephal mutant of Drosophila melanogaster. Sparrow JC. **Genet Res** 1981 Dec;38(3):297–314
Comparative studies of two male recombination factors (MRF) isolated from a Southern Greek Drosophila melanogaster population. Stamatis N, et al. **Genet Res** 1981 Oct;38(2):125–35
Identification of a second locus in Drosophila melanogaster required for excision repair. Boyd JB, et al. **Genetics** 1982 Feb;100(2):239–57
Third-chromosome mutagen-sensitive mutants of Drosophila melanogaster. Boyd JB, et al. **Genetics** 1981 Mar–Apr; 97(3–4):607–23
Genetic variation and genetic load due to the male reproductive component of fitness in Drosophila. Brittnacher JG. **Genetics** 1981 Mar–Apr;97(3–4):719–30
Techniques for manipulating chromosomal rearrangements and their application to Drosophila melanogaster. I. Pericentric inversions. Craymer L. **Genetics** 1981 Sep; 99(1):75–97
Polymorphism at the ref(2)P locus in Drosophila melanogaster: preliminary experiments concerning the selection mechanisms involved in its maintenance. Fleuriet A. **Genetics** 1981 Feb;97(2):415–28
Genetic characterization of the region between 86F1,2 and 87B15 on chromosome 3 of Drosophila melanogaster. Gausz J, et al. **Genetics** 1981 Aug;98(4):775–89
Gametic frequency of second chromosomes of the T-007 type in a natural population of Drosophila melanogaster in Texas. Hiraizumi Y, et al. **Genetics** 1981 Jun;98(2):303–16
Heterochromatic recombination in germ cells of Drosophila melanogaster females. Hiraizumi Y. **Genetics** 1981 May; 98(1):105–14
Post-translation modification of xanthine dehydrogenase in a natural population of Drosophila melanogaster. Johnson G, et al. **Genetics** 1981 Aug;98(4):817–31
Spontaneous mitotic recombination and evidence for an X-ray-inducible system for the repair of DNA damage in Drosophila melanogaster. Kennison JA, et al. **Genetics** 1981 May;98(1):91–103
Hybrid dysgenesis in Drosophila melanogaster: the genetics of cytotype determination in a neutral strain. Kidwell MG. **Genetics** 1981 Jun;98(2):275–90
Deletion analysis of the tumorous-head (tuh-3) gene in Drosophila melanogaster. Kuhn DT, et al. **Genetics** 1981 Sep;99(1):99–107
Null allele frequencies at allozyme loci in natural populations of Drosophila melanogaster. Langley CH, et al. **Genetics** 1981 Sep;99(1):151–6
Autosomal factors with correlated effects on the activities of the glucose 6-phosphate and 6-phosphogluconate dehydrogenases in Drosophila melanogaster. Laurie-Ahlberg CC, et al. **Genetics** 1981 Sep;99(1):127–50
Experimental population genetics of meiotic drive systems. III. Neutralization of sex-ratio distortion in Drosophila through sex-chromosome aneuploidy. Lyttle TW. **Genetics** 1981 Jun;98(2):317–34
Fitness and density-dependent population growth in Drosophila melanogaster. Mueller LD, et al. **Genetics** 1981 Mar–Apr;97(3–4):667–77
The entire compound autosomes of Drosophila melanogaster. Novitski E, et al. **Genetics** 1981 Jun;98(2):257–73
Interactions between sex-transformation mutants of Drosophila melanogaster. I. Hemolymph vitellogenins and gonad morphology. Ota T, et al. **Genetics** 1981 Nov–Dec; 99(3–4):429–41
Male-sterilizing interactions between duplications and deficiencies for proximal X-chromosome material in Drosophila melanogaster. Rahman R, et al. **Genetics** 1981 Sep;99(1):49–64
An increase in the X-linked lethal mutation rate associated with an unstable locus in Drosophila melanogaster. Raymond JD, et al. **Genetics** 1981 Jun;98(2):291–302
Genetically induced mitotic exchange in the heterochromatin of Drosophila melanogaster. Robbins LG. **Genetics** 1981 Nov–Dec;99(3–4):443–59
Genetic and developmental analysis of a temperature-sensitive minute mutation of Drosophila melanogaster. Sinclair DA, et al. **Genetics** 1981 Mar–Apr; 97(3–4):581–606
Control of female reproduction in Drosophila: genetic dissection using gynandromorphs. Szabad J, et al. **Genetics** 1982 Jan;100(1):61–78
Paralog, a control mutant in Drosophila melanogaster. Thierry-Mieg D. **Genetics** 1982 Feb;100(2):209–37
The action of the notchlocus in Drosophila melanogaster. II. Biochemical effects of recessive lethals on mitochondrial enzymes. Thörig GE, et al. **Genetics** 1981 Sep;99(1):65–74
Biological parameters and the segregation distortion (SD) phenomenon in Drosophila melanogaster. Trippa G, et al. **Genetics** 1981 Mar–Apr;97(3–4):563–80
Presence of a base line level of sister chromatid exchanges in somatic cells of Drosophila melanogaster in vivo and in vitro. Tsuji H. **Genetics** 1982 Feb;100(2):259–78
Measuring selection coefficients affecting the alcohol dehydrogenase polymorphism in Drosophila melanogaster. Wilson SR, et al. **Genetics** 1982 Jan;100(1):113–26
Genetics of inbred Drosophila melanogaster. VI. Crossing-over in secondary non-disjunction exceptionals. Lüning KG. **Hereditas** 1982;96(2):161–74
Genetics of inbred Drosophila melanogaster. VII. Evidence of normal chromosome pairing in the distal ends of X-chromosomes in secondary non-disjunction. Lüning KG. **Hereditas** 1982;96(2):287–90
Genetics of inbred Drosophila melanogaster. VIII. The effects of inbreeding on recombination. Lüning KG. **Hereditas** 1982;96(2):291–4
Genetics of inbred Drosophila melanogaster. IV. Tests of paternal non-disjunction, chromosome loss and X. Y exchange. Lüning KG. **Hereditas** 1982;96(1):97–9
Genetics of inbred Drosophila melanogaster. V. Genetic and cytoplasmic effects on primary non-disjunction and chromosome loss. Lüning KG. **Hereditas** 1982;96(1):101–4
Cytology of aberrations induced by x-rays in oocytes of Drosophila melanogaster. II. Early meiotic stages. Savontæus ML. **Hereditas** 1981;94(2):153–9
Genetical variation for enzyme activity in a population of Drosophila melanogaster. VII. Genotype-environment interaction for alcohol dehydrogenase (ADH) activity. Birley AJ, et al. **Heredity (Edinburgh)** 1981 Jun; 46(3):427–41
Genetical variation for enzyme activity in a population of Drosophila melanogaster. VI. Molecular variation in the control of alcohol dehydrogenase (ADH) activity. Birley AJ, et al. **Heredity (Edinburgh)** 1981 Oct;47(2):185–96
The estimation of epistasis in components of fitness in experimental populations of drosophila melanogaster II. Assessment of meiotic drive, viability, fecundity and sexual selection. Clark AG, et al. **Heredity (Edinburgh)** 1981 Jun; 46(3):347–77
The estimation of epistasis in components of fitness in experimental populations of Drosophila melanogaster I. A two-stage maximum likelihood model. Clark AG, et al. **Heredity (Edinburgh)** 1981 Jun;46(3):321–46
Disequilibrium between linked inversions: an alternative hypothesis. Clark AG, et al. **Heredity (Edinburgh)** 1981 Jun; 46(3):379–90
Latitudinal relationships of esterase-6 and phosphoglucomutase gene frequencies in Drosophila melanogaster. Oakeshott JG, et al. **Heredity (Edinburgh)** 1981 Dec;47(Pt 3):385–96
Effect of short term directional selection on genetic variability: experiments with Drosophila melanogaster. Sorensen DA, et al. **Heredity (Edinburgh)** 1982 Feb;48(Pt 1):27–33
A model for spontaneous mutation in Drosophila caused by transposing elements. Thompson JN Jr, et al. **Heredity (Edinburgh)** 1981 Dec;47(Pt 3):327–35
The nucleotide sequence of tRNA4Val of Drosophila melanogaster. Chloroacetaldehyde modification as an aid to RNA sequencing. Addison WR, et al. **J Biol Chem** 1982 Jan 25;257(2):674–7
The structures of genes hybridizing with tRNA4Val from Drosophila melanogaster. Addison WR, et al. **J Biol Chem** 1982 Jan 25;257(2):670–3
Drosophila melanogaster ma-l mutants are defective in the sulfuration of desulfo Mo hydroxylases. Wahl RC, et al. **J Biol Chem** 1982 Apr 10;257(7):3958–62
Genetic differences in malathion avoidance and resistance in Drosophila melanogaster. Pluthero FG, et al. **J Econ Entomol** 1981 Dec;74(6):736–40
Mutation that selectively affects rhodopsin concentration in the peripheral photoreceptors of Drosophila melanogaster. Larrivee DC, et al. **J Gen Physiol** 1981 Nov;78(5):521–45
Mating propensities and variations in enzyme activities in long-term cage populations of Drosophila melanogaster. Alahiotis SN, et al. **J Hered** 1982 Jan-Feb;73(1):53–8
Genetics of tumor-W in Drosophila melanogaster: mapping a gene with incomplete penetrance. Rizki TM, et al. **J Hered** 1981 Mar-Apr;72(2):78–80
Drosophila melanogaster populations selected for resistance to NaCl and CuSo4 in both allopatry and sympatry. Wallace B. **J Hered** 1982 Jan-Feb;73(1):35–42
Transcript maps of Drosophila yolk protein genes. Hung MC, et al. **J Mol Biol** 1982 Feb 5;154(4):581–602
Extensive regions of homology in front of the two hsp70 heat shock variant genes in Drosophila melanogaster. Karch F, et al. **J Mol Biol** 1981 May 25;148(3):219–30
Genomic organization and functional analysis of a deletion variant of the 87A7 heat shock locus of Drosophila melanogaster. Udvardy A, et al. **J Mol Biol** 1982 Mar 5; 155(3):267–80
Transpositions of mobile dispersed genes in Drosophila melanogaster and fitness of stocks. Belyaeva ES, et al. **MGG** 1982;185(2):324–8
Sex determining genes and vitellogenin synthesis in Drosophila melanogaster. Bownes M, et al. **MGG** 1981; 182(2):222–8
Characterisation of a new tumorous-head mutant of Drosophila melanogaster. Bownes M, et al. **MGG** 1981; 183(1):158–62
Postreplication repair defects in mutants of Drosophila melanogaster. Boyd JB, et al. **MGG** 1982;186(2):289–94
Postreplication repair-defective mutants of Drosophila melanogaster fall into two classes. Brown TC, et al. **MGG** 1981;183(2):356–62
Abnormal recovery of DNA replication in ultraviolet-irradiated cell cultures of Drosophila melanogaster which are defective in DNA repair. Brown TC, et al. **MGG** 1981;183(2):363–8
The in vivo expression of pseudo ribosomal RNA genes in Drosophila melanogaster. Chooi WY, et al. **MGG** 1981; 182(2):245–51
Genetic instability at the cut locus of Drosophila melanogaster induced by the MR-h12 chromosome. Gerasimova TI. **MGG** 1981;184(3):544–7
Distal into proximal (Dipr): a homoeotic mutation of Drosophila melanogaster. Kerridge S. **MGG** 1981; 184(3):519–25
RNA-DNA hybridization analyses of tRNA-Val-3b in Drosophila melanogaster. Larsen TM, et al. **MGG** 1982; 185(3):390–6
Expression of the ribosomal DNA insertions in bobbed mutants of Drosophila melanogaster. Long EO, et al. **MGG** 1981;182(3):377–84
Isolation of Drosophila flightless mutants which affect myofibrillar proteins of indirect flight muscle. Mogami K, et al. **MGG** 1981;183(3):409–17
Apurinic endonuclease from Drosophila melanogaster: reduced enzymatic activity in excision-deficient mutants of the mei-9 and mus(2)201 Loci. Osgood CJ, et al. **MGG** 1982;186(2):235–9
The I—R system of hybrid dysgenesis in Drosophila melanogaster: are I factor insertions responsible for the mutator effect of the I—R interaction? Pélisson A. **MGG** 1981;183(1):123–9
Genetic complementation and enzyme correlates at the locus encoding the last two steps of de novo pyrimidine biosynthesis in Drosophila melanogaster. Rawls JM Jr. **MGG** 1981;184(2):174–9
Isolation of dominant suppressor mutations for position-effect variegation in Drosophila melanogaster. Reuter G, et al. **MGG** 1981;182(3):516–9
The meiotic behavior of some single-cistron mutants in the zeste-white region of the Drosophila melanogaster X chromosome. Robbins LG. **MGG** 1981;183(2):214–9
Intergenic suppression of the black mutation of Drosophila melanogaster. Sherald AF. **MGG** 1981;183(1):102–6
Circadian clock phenotypes of chromosome aberrations with a breakpoint at the per locus. Smith RF, et al. **MGG** 1981; 183(2):243–51
Genetic and biochemical properties of revertants at the rudimentary locus in Drosophila melanogaster. Tsubota SI, et al. **MGG** 1981;183(2):270–6
Non-homologue pairing and spontaneous meiotic interchanges in Drosophila melanogaster females. Chadov BF, et al. **Mutat Res** 1981 May;81(3):311–27
Genetic study on the effects of the repair-deficient mutant females mei-9a, mei-41D5, mus101D1, mus104D1 and mus302D1 of Drosophila on spontaneous and X-ray-induced chromosome loss in the paternal genome. Cooper SF, et al. **Mutat Res** 1981 May;81(3):345–56
Cell-stage-specific enhancement by caffeine of the frequency of chromatid aberrations induced by X-rays in neural ganglia of Drosophila melanogaster. De Marco A, et al. **Mutat Res** 1981 Nov;84(1):91–9
Repair of double-strand DNA breaks in Drosophila. Dezzani W, et al. **Mutat Res** 1982 Feb 22;92(1–2):151–60
Modification of MR mutator activity in repair-deficient strains of Drosophila melanogaster. Eeken JC, et al. **Mutat Res** 1981 Sep;83(2):191–200
Mutability studies in two Drosophila melanogaster isogenic stocks, endemic for C picornavirus and virus-free. Golubovsky MD, et al. **Mutat Res** 1982 Jan;103(1):29–32
Relation between the somatic toxicity of dimethylnitrosamine and a genetically determined variation in the level and induction of cytochrome P450 in Drosophila melanogaster. Hällström I, et al. **Mutat Res** 1982 Feb 22;92(1–2):161–8
Absence of synergism between mutagenic treatments, given one generation apart, in Drosophila melanogaster. Knaap AG, et al. **Mutat Res** 1982 Feb 22;92(1–2):117–21
Neutrons and X-rays, comparative studies with Drosophila melanogaster. 2. Sex-chromosome loss and partial loss, evidence for the induction of chromatid aberrations in spermatozoa. Leigh B, et al. **Mutat Res** 1981 Nov; 84(1):107–12
Neutrons and X-rays, comparative studies with Drosophila melanogaster. 1. The viability and fertility of induced autosomal translocations. Leigh B, et al. **Mutat Res** 1981 Nov;84(1):101–5
Neutron- and X-ray-induced mutations at the yellow, white, forked and vermilion loci of Drosophila melanogaster; a preliminary analysis. Leigh B, et al. **Mutat Res** 1982 Feb 22;92(1–2):133–8
Mutations induced by a hormonal imbalance in Drosophila melanogaster. l'Hélias C, et al. **Mutat Res** 1982 Mar;

93(1):125–48
Genetic analysis of X-linked mutagen-sensitive mutants of Drosophila melanogaster. Mason JM, et al. **Mutat Res** 1981 May;81(3):329–43
Failure of irradiated onion to induce sex-linked recessive lethal mutations in Drosophila melanogaster. Mittler S, et al. **Mutat Res** 1982 Apr;104(1–3):113–5
Investigations on radiosensitive and radioresistant populations of Drosophila melanogaster. XI. The resistance factor rar-3: effects in immature oocytes. Nöthel H. **Mutat Res** 1981 Dec;84(2):305–13
Investigations on radiosensitive and radioresistant populations of Drosophila melanogaster. X. The resistance factor rar-3: genetics. Nöthel H. **Mutat Res** 1981 Dec; 84(2):291–304
Investigations on radiosensitive and radioresistant populations of Drosophila melanogaster. XII. The resistance factor rar-3: stage specificity. Nöthel H. **Mutat Res** 1981 Dec;84(2):315–29
Investigations on radiosensitive and radioresistant populations of Drosophila melanogaster. XIV. The genetic factor rar-1: effects in immature oocytes and their inhibition by caffeine. Nöthel H, et al. **Mutat Res** 1982 Feb 22;92(1–2):123–32
The mutagenic effects of diepoxybutane in wild-type and mutagen-sensitive mutants of Drosophila melanogaster. Olsen OA, et al. **Mutat Res** 1982 Feb 22;92(1–2):107–15
Increment kinetics of recessive lethal mutations and dominant lethals in offspring of Drosophila melanogaster on storage of methyl-methanesulfonate-treated sperm in females. Ryo H, et al. **Mutat Res** 1981 Sep;83(2):179–90
Effects of a chromosome-3 mutator gene on radiation-induced mutability in Drosophila melanogaster females. Sankaranarayanan K. **Mutat Res** 1982 Feb 22; 92(1–2):139–49
Genetical tests for the frequency of small deletions among ems-induced point mutations in Drosophila. Shukla PT, et al. **Mutat Res** 1981 Aug;83(1):81–9
Influence of the MR (mutator) factor on X-ray-induced genetic damage. Sobels FH, et al. **Mutat Res** 1981 Sep; 83(2):201–6
The mutagenic activity of quercetin and kaempferol in Drosophila melanogaster. Watson WA. **Mutat Res** 1982 Feb;103(2):145–7
Stability of Drosophila melanogaster chromosomes replicating for the first time in a repair-deficient cell. Würgler FE, et al. **Mutat Res** 1982 Feb 22;92(1–2):99–106
Differences in the induction of specific deletions and duplications by two male recombination factors isolated from the same Drosophila natural population. Yannopoulos G, et al. **Mutat Res** 1981 Oct;83(3):383–93
Review of the current status of the mei-9a test for chromosome loss in Drosophila melanogaster: an assay with radically improved detection capacity for chromosome lesions induced by methyl methanesulfonate (MMS), dimethylnitrosamine (DMN), and especially diethylnitrosamine (DEN) and procarbazine. Zimmering S. **Mutat Res** 1981 Aug;83(1):69–80
Preliminary data suggesting that females of the repair-deficient strain designated st mus302 are strong potentiators of chromosome loss induced by procarbazine and diethylnitrosamine (DEN) in the male genome of Drosophila. Zimmering S. **Mutat Res** 1982 Feb; 103(2):141–4
On the nature of partial losses of the Y chromosome from treatment of ring-X/BSYy+ males with diethylnitrosamine (DEN) or procarbazine and matings with repair-deficient st mus302 females of Drosophila. Zimmering S, et al. **Mutat Res** 1982 Apr;104(1–3):121–3
Rate of turnover of structural variants in the rDNA gene family of Drosophila melanogaster. Coen ES, et al. **Nature** 1982 Feb 18;295(5850):564–8
The 'fold-back'elements of Drosophila [news] Finnegan DJ. **Nature** 1982 May 20;297(5863):181–2
Genetic recombination and directional selection for DDT resistance in Drosophila melanogaster. Flexon PB, et al. **Nature** 1982 Aug 12;298(5875):672–4
A molecular explanation of frequency-dependent selection in Drosophila. Haj-Ahmad Y, et al. **Nature** 1982 Sep 23; 299(5881):350–2
Regulation of protein synthesis during heat shock. Lindquist S. **Nature** 1981 Sep 24;293(5830):311–4
DNA sequence of a foldback transposable element in Drosophila. Potter SS. **Nature** 1982 May 20; 297(5863):201–4
Genetic modification of potassium channels in Drosophila Shaker mutants. Salkoff L, et al. **Nature** 1981 Sep 17–23; 293(5829):228–30
A mutation in Drosophila alters normal connectivity between two identified neurones. Thomas JB, et al. **Nature** 1982 Aug 12;298(5875):650–1
The LSP-2 gene and a 5' flanking sequence are independently expressed in Drosophila melanogaster. Yedvobnick B, et al. **Nature** 1982 May 20;297(5863):239–41
Nucleotide sequences at the boundaries between gene and insertion regions in the rDNA of Drosophila melanogaster. Dawid IB, et al. **Nucleic Acids Res** 1981 Oct 10; 9(19):5011–20
A complex repeated DNA sequence within the Drosophila transposable element copia. Fouts DL, et al. **Nucleic Acids Res** 1981 Dec 21;9(24):7053–64
Vitellogenin in Drosophila melanogaster: sequence of the yolk protein I gene and its flanking regions. Hovemann B, et al. **Nucleic Acids Res** 1981 Sep 25;9(18):4721–34
Vitellogenin in Drosophila melanogaster: a comparison of the YPI and YPII genes and their transcription products. Hovemann B, et al. **Nucleic Acids Res** 1982 Apr 10; 10(7):2261–74
The sequence of the Drosophila melanogaster gene for yolk protein 1. Hung MC, et al. **Nucleic Acids Res** 1981 Dec 11;9(23):6407–19
Mobile dispersed genetic element MDG1 of Drosophila melanogaster: nucleotide sequence of long terminal repeats. Kulguskin VV, et al. **Nucleic Acids Res** 1981 Jul 24; 9(14):3451–64
Genomic organization and transcription of the alpha beta heat shock DNA in Drosophila melanogaster. Lis JT, et al. **Nucleic Acids Res** 1981 Oct 24;9(20):5297–310
Sequence of U1 RNA from Drosophila melanogaster: implications for U1 secondary structure and possible involvement in splicing. Mount SM, et al. **Nucleic Acids Res** 1981 Dec 11;9(23):6351–68
Coding region deletions associated with the major form of rDNA interruption in Drosophila. Rae PM. **Nucleic Acids Res** 1981 Oct 10;9(19):4997–5010
DNase I hypersensitive sites of the chromatin for Drosophila melanogaster ribosomal protein 49 gene. Wong YC, et al. **Nucleic Acids Res** 1981 Dec 21;9(24):6749–62
Sex determination in Drosophila melanogaster: analysis of transformer-2, a sex-transforming locus. Belote JM, et al. **Proc Natl Acad Sci USA** 1982 Mar;79(5):1568–72
Synapsis-dependent allelic complementation at the decapentaplegic gene complex in Drosophila melanogaster. Gelbart WM. **Proc Natl Acad Sci USA** 1982 Apr; 79(8):2636–40
Heat shock induces rapid dephosphorylation of a ribosomal protein in Drosophila. Glover CV. **Proc Natl Acad Sci USA** 1982 Mar;79(6):1781–5
Selective replication of ribosomal DNA repeats after loss of the abnormal oocyte phenotype in Drosophila melanogaster. Graziani F, et al. **Proc Natl Acad Sci USA** 1981 Dec;78(12):7662–4
Insertion of a movable genetic element, 297, into the T-A-T-A box for the H3 histone gene in Drosophila melanogaster. Ikenaga H, et al. **Proc Natl Acad Sci USA** 1982 Jul;79(13):4143–7
Drosophila gene related to the major heat shock-induced gene is transcribed at normal temperatures and not induced by heat shock. Ingolia TD, et al. **Proc Natl Acad Sci USA** 1982 Jan;79(2):525–9
Four small Drosophila heat shock proteins are related to each other and to mammalian alpha-crystallin. Ingolia TD, et al. **Proc Natl Acad Sci USA** 1982 Apr;79(7):2360–4
Physical map of the white locus of Drosophila melanogaster. Levis R, et al. **Proc Natl Acad Sci USA** 1982 Jan; 79(2):564–8
Expression and novel structure of a collagen gene in Drosophila. Monson JM, et al. **Proc Natl Acad Sci USA** 1982 Mar;79(6):1761–5
DNA sequences homologous to vertebrate oncogenes are conserved in Drosophila melanogaster. Shilo BZ, et al. **Proc Natl Acad Sci USA** 1981 Nov;78(11):6789–92
Transcription of a Drosophila heat shock gene is heat-induced in Xenopus oocytes. Voellmy R, et al. **Proc Natl Acad Sci USA** 1982 Mar;79(6):1776–80
Genes that control development [news] Marx JL. **Science** 1981 Sep 25;213(4515):1485–8
[Use of the supernatant from cultures of Bacillus thuringiensis in an in vivo study of the functioning of the nucleolar organizer in Drosophila melanogaster] Paumard S, et al. **C R Seances Acad Sci [III]** 1981 Oct 12;293(5):257–60 (Eng. Abstr.) **(Fre)**
[Cloning and study of inserted sequences of gene 28S in Drosophila melanogaster ribosomal RNA] Kolchinskiĭ AM, et al. **Mol Biol (Mosk)** 1982 Mar-Apr;16(2):302–14 (Eng. Abstr.) **(Rus)**

GROWTH & DEVELOPMENT

The cuticle proteins of Drosophila melanogaster: stage specificity. Chihara CJ, et al. **Dev Biol** 1982 Feb; 89(2):379–88
The formation of the pupal cuticle by Drosophila imaginal discs in vitro. Fristrom JW, et al. **Dev Biol** 1982 Jun; 91(2):337–50
Regeneration following duplication of imaginal wing disc fragments of Drosophila melanogaster. Kirby BS, et al. **Dev Biol** 1982 Apr;90(2):259–71
Age-related activity changes in actomyosin ATPase and arginine phosphokinase in male Drosophila melanogaster Meig. Rockstein M, et al. **Gerontology** 1981;27(6):301–5
A new pathway expressed during a distinct stage of Drosophila development for the removal of dUMP residues in DNA. Deutsch WA, et al. **J Biol Chem** 1982 Apr 10; 257(7):3366–8
Staging the metamorphosis of Drosophila melanogaster. Bainbridge SP, et al. **J Embryol Exp Morphol** 1981 Dec; 66:57–80
Morphogenesis of the epidermis of adult abdomen of Drosophila. Madhavan MM, et al. **J Embryol Exp Morphol** 1980 Dec;60:1–31
Effects of age on the post-initiation stages of protein synthesis. Webster GC, et al. **Mech Ageing Dev** 1982 Apr; 18(4):369–78
The path of axons in Drosophila wings in relation to compartment boundaries. Palka J, et al. **Nature** 1981 Dec 3;294(5840):447–9

IMMUNOLOGY

A position-specific cell surface antigen in the drosophila wing imaginal disc. Wilcox M, et al. **Cell** 1981 Jul; 25(1):159–64

METABOLISM

Synthesis and degradation of alcohol dehydrogenase in wild-type and Adh-null activity mutants of Drosophila melanogaster. Pelliccia JG, et al. **Biochem Genet** 1982 Apr; 20(3–4):297–313
Terminal synthesis of xanthommatin in Drosophila melanogaster. IV. Enzymatic and nonenzymatic catalysis. Wiley K, et al. **Biochem Genet** 1981 Dec;19(11–12):1211–21
Purification and biosynthesis of quench spot, a drosopterin precursor in Drosophila melanogaster. Dorsett D, et al. **Biochemistry** 1982 Mar 16;21(6):1238–43
The follicle cells are a major site of vitellogenin synthesis in Drosophila melanogaster. Brennan MD, et al. **Dev Biol** 1982 Jan;89(1):225–36
The effect of 20-hydroxyecdysone on synthesis of chromosomal and cytosol proteins in imaginal discs. Hill RJ, et al. **Dev Biol** 1982 Apr;90(2):340–51
Ovarian and fat-body vitellogenin synthesis in Drosophila melanogaster. Isaac PG, et al. **Eur J Biochem** 1982 Apr; 123(3):527–34
Cadmium: temperature-dependent increase with age in Drosophila. Massie HR, et al. **Exp Gerontol** 1981; 16(4):337–41
Age-related DNA fragmentation in two varieties of Drosophila melanogaster, Phaseolus (cotyledons), and three tissues of the mouse. Polson CD, et al. **Exp Gerontol** 1982;17(1):11–7
Inhibition of the induction of heat shock proteins in Drosophila melanogaster cells infected with insect picornaviruses. Moore NF, et al. **FEBS Lett** 1981 Jun 1; 128(1):93–6
Characterization of ecdysteroid receptors in cytosol and naive nuclear preparations of Drosophila Kc cells. Sage BA, et al. **J Biol Chem** 1982 Jun 10;257(11):6373–9
Putative function of Drosophila melanogaster heat shock proteins in the nucleoskeleton. Sinibaldi RM, et al. **J Biol Chem** 1981 Nov 10;256(21):10735–8
The isolation and identification of an intermediate involved in the biosynthesis of drosopterin in Drosophila melanogaster. Wiederrecht GJ, et al. **J Biol Chem** 1981 Oct 25;256(20):10399–402
Aminergic receptors in Drosophila melanogaster: properties of [3H]dihydroergocryptine binding sites. Dudai Y, et al. **J Neurochem** 1982 Jun;38(6):1551–8
Aminergic receptors in Drosophila melanogaster: responsiveness of adenylate cyclase to putative neurotransmitters. Uzzan A, et al. **J Neurochem** 1982 Jun; 38(6):1542–50
Immunofluorescence localization of a small heat shock protein (hsp 23) in salivary gland cells of Drosophila melanogaster. Arrigo AP, et al. **MGG** 1981;184(1):73–9
High-affinity octopamine receptors revealed in Drosophila by binding or [3H]octopamine. Dudai Y. **Neurosci Lett** 1982 Feb 12;28(2):163–7
NAD+-dependent acetaldehyde oxidation in Drosophila. Garcin F, et al. **Prog Neuropsychopharmacol** 1981; 5(5–6):619–27

MICROBIOLOGY

Effect of overwintering on the frequency of flies infected by the rhabdovirus sigma in experimental populations of Drosophila melanogaster. Fleuriet A. **Arch Virol** 1981; 69(3–4):253–60
Comparison of various physiological traits in flies (Drosophila melanogaster) of wild origin, infected or uninfected by the hereditary Rhabdovirus sigma. Fleuriet A. **Arch Virol** 1981;69(3–4):261–72
Transmission efficiency of the sigma virus in natural populations of its host, Drosophila melanogaster. Fleuriet A. **Arch Virol** 1982;71(2):155–67

PHYSIOLOGY

Changes in levels of alcohol dehydrogenase during the development of Drosophila melanogaster. Anderson SM, et al. **Can J Genet Cytol** 1981;23(2):305–13
Autoradiographic studies of protein and polysaccharide synthesis during vitellogenesis in Drosophila. Koch EA, et al. **Cell Tissue Res** 1982;224(2):315–33
The effects of cytochalasin B and colchicine on the morphogenesis of mitochondria in Drosophila hydei during meiosis and early spermiogenesis. An in vitro study. Liebrich W. **Cell Tissue Res** 1982;224(1):161–8
Alterations in the cell cycle of Drosophila imaginal disc cells precede metamorphosis. Fain MJ, et al. **Dev Biol** 1982 Jul; 92(1):247–58
An inexpensive culture medium for the fruit fly Drosophila melanogaster. Sapra GR, et al. **Indian J Exp Biol** 1982 Feb; 20(2):193–4
Two Drosophila melanogaster proteins related to intermediate filament proteins of vertebrate cells. Falkner FG, et al. **J Cell Biol** 1981 Oct;91(1):175–83
Central excitation in the fruit fly (Drosophila melanogaster).

Vargo M, et al. **J Comp Physiol Psychol** 1982 Jun; 96(3):452–9

Changes in pH with age in Drosophila and the influence of buffers on longevity. Massie HR, et al. **Mech Ageing Dev** 1981 Jul;16(3):221–31

Stage dependent synthesis of heat shock induced proteins in early embryos of Drosophila melanogaster. Dura JM. **MGG** 1981;184(3):381–5

Effect of adh genotype and heat stress on alcohol tolerance in Drosophila melanogaster. Sampsell B, et al. **Nature** 1982 Apr 29;296(5860):853–5

Three Drosophila mutations that block associative learning also affect habituation and sensitization. Duerr JS, et al. **Proc Natl Acad Sci USA** 1982 Jun;79(11):3646–50

Esterase 6 in Drosophila melanogaster: reproductive function of active and null males at low temperature. Gilbert DG, et al. **Proc Natl Acad Sci USA** 1982 May;79(9):2962–6

RADIATION EFFECTS

Genetic effects of strong magnetic fields in Drosophila melanogaster: II. lack of interaction between homogeneous fields and fission neutron–plus–gamma radiation. Kale PG, et al. **Environ Mutagen** 1980;2(2):179–86

Enzyme mutants induced by low–dose–rate gamma–irradiation in Drosophila: frequency and characterization. Racine RR, et al. **Environ Mutagen** 1980; 2(2):167–77

The distribution of randomly recovered X–ray–induced sex–linked genetic effects in Drosophila melanogaster. Lefevre G. **Genetics** 1981 Nov–Dec;99(3–4):461–80

Genetic damage induced by X–rays or neutrons in spermatozoa of Drosophila melanogaster; differential processing in the oocytes of females carrying the DNA–repair–deficient mutants mei–9a and mus–101d1. Frei H. **Mutat Res** 1982 May;94(1):63–78

Investigations on radiosensitive and radioresistant populations of Drosophila melanogaster. XIII. Effects of radioresistant mutants (rar) on chemical (EMS) mutagenesis. Nöthel H, et al. **Mutat Res** 1982 Jan; 103(1):87–90

Developmental responses of the Drosophila melanogaster embryo to localized X irradiation. King BH, et al. **Radiat Res** 1982 Mar;89(3):590–606

[Radiation–induced shortening of the lifespan of D. melanogaster. 1. Analysis of the survival curves following gamma–irradiation of adult insects] Potapenko AI, et al. **Radiobiologiia** 1982 Mar–Apr;22(2):203–8 (Eng. Abstr.) **(Rus)**

ULTRASTRUCTURE

The central projections of mesothoracic sensory neurons in wild–type Drosophila and bithorax mutants. Burt R, et al. **Dev Biol** 1982 Mar;90(1):99–109

DROWNING

see related
IMMERSION
RESUSCITATION

The child who nearly drowns [editorial] Brooks JG. **Am J Dis Child** 1981 Nov;135(11):998–9

Analysis of predictive factors in the assessment of warm–water near–drowning in children. Frates RC Jr. **Am J Dis Child** 1981 Nov;135(11):1006–8

Near–drowning complicated by brain abscess due to Petriellidium boydii. Fisher JF, et al. **Arch Neurol** 1982 Aug;39(8):511–3

Pulmonary function abnormalities in survivors of near drowning. Laughlin JJ, et al. **J Pediatr** 1982 Jan; 100(1):26–30

Diatoms in drowning. Goonetilleke UK. **Med Sci Law** 1981 Jul;21(3):194–5

Alcohol and drowning––the Geelong experience, 1957–1980. Plueckhahn VD. **Med Sci Law** 1981 Oct;21(4):266–72

Intracranial pressure monitoring in severe pediatric near–drowning. Dean JM, et al. **Neurosurgery** 1981 Dec; 9(6):627–30

[Management of near–drowning patients] Heikkilä H, et al. **Duodecim** 1982;98(9):700–8 (31 ref.) **(Fin)**

[Fatal swimming accident by a windsurfer] Schellmann B, et al. **Beitr Gerichtl Med** 1981;39:269–72 (Eng. Abstr.) **(Ger)**

[Near–drowning in an adult: favorable course after a 20–minute submersion] Genoni L, et al. **Schweiz Med Wochenschr** 1982 Jun 12;112(24):867–70 (Eng. Abstr.) **(Ger)**

[Medical and social impact of drowning accidents] Franke KP, et al. **Z Arztl Fortbild (Jena)** 1982 Feb;76(3):97–102 **(Ger)**

[On the evidential value of diatoms in cases of death by drowning (author's transl)] Ranner G, et al. **Z Rechtsmed** 1982;88(1–2):57–65 (Eng. Abstr.) **(Ger)**

BLOOD

Diagnosis of drowning by investigation of left heart blood. Karkola K, et al. **Forensic Sci Int** 1981 Sep–Oct; 18(2):149–53

COMPLICATIONS

Legionella pneumophilia pneumonia [letter] Sekla LH, et al. **Can Med Assoc J** 1982 Jan 15;126(2):116–8

[Radiological appearances in the near–drowned (author's transl)] Reinhardt K. **ROFO** 1981 Oct;135(4):432–7 (Eng. Abstr.) **(Ger)**

DIAGNOSIS

['Drowning'––an incomplete diagnosis in diving accidents] Birkholz M, et al. **Z Arztl Fortbild (Jena)** 1982 Feb 15; 76(4):147–9 **(Ger)**

ETIOLOGY

Submersion accidents in children with epilepsy. Orlowski JP, et al. **Am J Dis Child** 1982 Sep;136(9):777–80

A case of drowning whilst swimming after thinner–sniffing. Kojima T, et al. **Hiroshima J Med Sci** 1982 Mar;31(1):7–9

Epilepsy and swimming. Sonnen AE. **Monogr Neural Sci** 1981;5:265–70

MORTALITY

Death by drowning. An overview. Stanley RJ, et al. **Minn Med** 1981 May;64(5):295

OCCURRENCE

Childhood drownings in private swimming pools: an avoidable cause of death. Barry W, et al. **Br Med J [Clin Res]** 1982 Aug 21;285(6341):542–3

Drownings in private swimming pools [letter] Hassall IB. **NZ Med J** 1982 Feb 24;95(702):129–30

[Drowning accidents among children in private swimming pools in 1973–1977] Bjerrum L, et al. **Ugeskr Laeger** 1981 Jun 1;143(23):1495–7 (Eng. Abstr.) **(Dan)**

[Accidental child deaths by falls through ice in 1973–1977] Bjerrum L, et al. **Ugeskr Laeger** 1982 Mar 15;144(11):830–2 (Eng. Abstr.) **(Dan)**

PATHOLOGY

Temporal bone pathology in drowning. Babin RW, et al. **Am J Otolaryngol** 1982 May–Jun;3(3):168–73

[Comparative studies of pathological findings in cases of death by immersion and drowning] Oltracqua S, et al. **Minerva Med** 1981 Dec 30;72(52):3601–3 (Eng. Abstr.) **(Ita)**

PHYSIOPATHOLOGY

Clinical study, evolution and therapy of 70 cases of near drowning. Fourrier F, et al. **Acta Tuberc Pneumol Belg** 1979 Jul–Dec;70(3–4):291–301

Neardrowning in seawater (Curacao). Westermann CJ, et al. **Acta Tuberc Pneumol Belg** 1979 Jul–Dec;70(3–4):303–11

Electrocardiographic changes in experimental drowning. Bhardwaj PK, et al. **Indian J Physiol Pharmacol** 1982 Jan–Mar;26(1):85–90

Terminal dives in mink, muskrat and beaver. Gilbert FF, et al. **Physiol Behav** 1982 May;28(5):835–40

PREVENTION & CONTROL

Aquatic rescue and in–water CPR [letter] Kizer K. **Ann Emerg Med** 1982 Mar;11(3):166–7

Drowning in North Carolina: how you can prevent unnecessary loss of life. Stitt VJ Jr. **NC Med J** 1982 Jun; 43(6):432–3

THERAPY

Near drowning: principles of emergency care. Stathers GM. **Aust Fam Physician** 1981 Dec;10(12):943–6

Heimlich maneuver in cold–water drowning. Gordon BD, et al. **Conn Med** 1981 Dec;45(12):775–6

A new adult tracheal button in the management of a near drowning victim. Stene JF, et al. **Heart Lung** 1982 Jul–Aug; 11(4):299–301

Prognosis and management of victims of near–drowning. Oakes DD, et al. **J Trauma** 1982 Jul;22(7):544–9

An experimental study of respiratory reanimation of piglets following standardized near–drowning in fresh or salt–water. Ohmann C, et al. **Resuscitation** 1981 Dec; 9(4):297–306

[The 'hyper' principle in cases of near–drowning] Pilgaard PJ. **Ugeskr Laeger** 1982 Feb 22;144(8):554 (Eng. Abstr.) **(Dan)**

[Triage and treatment in juvenile drowning accidents] Pfenninger J, et al. **Schweiz Med Wochenschr** 1981 Jun 13; 111(24):878–84 (Eng. Abstr.) **(Ger)**

DROWSINESS see **SLEEP STAGES**

DRUG ABUSE see **SUBSTANCE ABUSE**

DRUG ABUSE, SPORTS see **DOPING IN SPORTS**

DRUG ADDICTION see **SUBSTANCE DEPENDENCE**

DRUG ADMINISTRATION SCHEDULE

Enhancing patient compliance with medical regimens: strategies for the general practitioner. King NJ, et al. **Aust Fam Physician** 1981 Dec;10(12):954–9

WHO special programme of research, development and research training in human reproduction. Task force on long–acting agents for the regulation of fertility. **Contraception** 1982 Jan;25(1):1–11

A general method for calculating the dosage scheme in linear pharmacokinetics. Schwilden H. **Eur J Clin Pharmacol** 1981;20(5):379–86

Endometrial hyperplasia in women on cyclic or continuous estrogen regimens. Schiff I, et al. **Fertil Steril** 1982 Jan; 37(1):79–82

Chronopharmacology and optimisation of dosage schedule. Doshi BS. **Indian J Physiol Pharmacol** 1981 Jul–Sep; 25(3):253–8

Chloramphenicol kinetics in malnutrition. Saini G, et al. **Indian Pediatr** 1981 Nov;18(11):805–10

A calculator program to project serum drug concentration profiles during dosing schedules comprised of two fixed dosing intervals. Jones EM. **Int J Biomed Comput** 1982 Mar;13(2):97–107

Second–order schedules: extended sequences of behavior controlled by brief environmental stimuli associated with drug self–administration. Goldberg SR, et al. **Natl Inst Drug Abuse Res Monogr Ser** 1981 Jul;(37):241–70 (41 ref.)

[Recommendations for improvement of drug intake] Fischer B, et al. **Fortschr Med** 1982 May 27;100(20):923–5 **(Ger)**

[Social aspects for safety of ambulatory therapy in childhood] Reichelt G, et al. **Kinderarztl Prax** 1982 Apr;30(4):196–202 (Eng. Abstr.) **(Ger)**

[Before or after meals?] Segarra Domenech J, et al. **Med Clin (Barc)** 1981 Jul 15;77(3):124–9 **(Spa)**

DRUG ADMINISTRATION, TOPICAL see **ADMINISTRATION, TOPICAL**

DRUG ADULTERATION see **DRUG CONTAMINATION**

DRUG AND NARCOTIC CONTROL

U.K. drug control: retrospect and prospect [editorial] Binns TB. **Br J Clin Pharmacol** 1981 Oct;12(4):449–51

A survey of products licensed in the United Kingdom from 1971–1981. Griffin JP, et al. **Br J Clin Pharmacol** 1981 Oct; 12(4):453–63

Rejecting scientific advice [editorial] **Br Med J [Clin Res]** 1982 May 15;284(6327):1426

Statement by the Colorado Medical Society on the prescribing of schedule II non narcotic controlled substances. **Colo Med** 1982 Feb;79(2):80–1

President's page: controlling drug abuse. Frelick RW. **Del Med J** 1981 Oct;53(10):489–90

Mechanism for national distribution of delta 9–tetrahydrocannabinol (NSC–134454). Abraham D, et al. **J Clin Pharmacol** 1981 Aug–Sep;21(8–9 Suppl):122S–127S

Endorphins and legal issues. Harrison J. **J Leg Med (Chicago)** 1981 Dec;2(4):543–68

Heroin and the federal strategy: a policy in search of evidence. Goldman F. **J Psychoactive Drugs** 1981 Jul–Sep; 13(3):217–25 (34 ref.)

Review of restrictive actions under the Australian drug regulatory system. Dukes MN, et al. **Med J Aust** 1982 May 15;1(10):412–5

What to do until the FDA arrives. Riegelman RK. **Postgrad Med** 1981 Dec;70(6):103–8

[Current regulations controlling veterinary drugs] Drutev D. **Vet Med Nauki** 1981;18(5):91–100 (Eng. Abstr.) **(Bul)**

[Hashish] Láng A. **Morphol Igazsagugyi Orv Sz** 1981 Oct; 21(4):309–12 **(Hun)**

[Guide for physicians on controlled substances] **Bol Asoc Med PR** 1981 Aug;73(8):413–5 **(Spa)**

HISTORY

Ten years of The Medicines Act [editorial] Goldberg A. **Br J Clin Pharmacol** 1981 Oct;12(4):447–8

The Committee on Safety of Medicines. Goldberg A. **Health Bull (Edinb)** 1981 Nov;39(6):393–7

LEGISLATION & JURISPRUDENCE

Marijuana legalization: solution or dissolution. Cohen S. **Am J Drug Alcohol Abuse** 1981;8(3):283–9

Drugs and the veterinarian's license. Hannah HW. **J Am Vet Med Assoc** 1981 Jun 1;178(11):1142, 1146

Cultivation of marijuana under the Uniform Controlled Substances Act: shallow–rooted weeds. Uelmen GF. **J Psychoactive Drugs** 1981 Jul–Sep;13(3):247–54

Legal status of marijuana [letter] Gingrich N. **JAMA** 1982 Mar 19;247(11):1563

Cannabis and the rule of law [letter] DuQuesne JT. **Lancet** 1981 Sep 12;2(8246):581

Noninvestigational use of unapproved drugs––experience from the Scandinavian countries. Hemminki E. **Med Care** 1981 Oct;19(10):1056–60

Physician's practice handbook: the law, continuing medical education, distribution of drugs, medical records, principles of medical ethics. **Penn Med** 1982 Apr;85(4):27–58

[Law No. 4 (approved 23 June 1971 and subsequently emended)] **Bol Asoc Med PR** 1981 Aug;73(8):374–412 **(Spa)**

METHODS

Use of a tabletop computer in controlled substances distribution. Markin RE, et al. **Am J Hosp Pharm** 1982 Jul;39(7):1195–7

United Nations/Burma Programme for Drug Abuse Control.

The first phase: 1976 to 1981. Zealey P. **Bull Narc** 1981; 33(3):1–21
Local law enforcement policies directed toward illicit drug selling and usage. Grizzle GA. **J Psychoactive Drugs** 1981 Jul–Sep;13(3):227–34
The informant: a narcotics enforcement dilemma. Williams JR, et al. **J Psychoactive Drugs** 1981 Jul–Sep;13(3):235–45
Drug abuse related to prescribing practices. **JAMA** 1982 Feb 12;247(6):864–6

ORGANIZATION & ADMINISTRATION

Post-marketing surveillance of licensed medicinal and other products. Griffin JP. **Health Bull (Edinb)** 1981 Nov; 39(6):356–66

DRUG ANTAGONISM

see related
NARCOTIC ANTAGONISTS

An analysis of functional antagonism and synergism. Mackay D. **Br J Pharmacol** 1981 May;73(1):127–34
The use of drug–receptor affinity measures in the differentiation of receptors. Tallarida RJ. **Fed Proc** 1982 May;41(7):2323–7
Antibodies as specific antagonists of toxins, drugs, and hormones. Butler VP Jr. **Pharmacol Rev** 1982 Mar; 34(1):109–14 (74 ref.)

DRUG BENEFIT PLANS see **INSURANCE, PHARMACEUTICAL SERVICES**

DRUG CATALOGS see **CATALOGS, DRUG**

DRUG COMBINATIONS

Fixed combination drug therapy. Shenfield GM. **Drugs** 1982 Jun;23(6):462–80 (88 ref.)
Fixed dose combination drugs. Rosenberg MC. **J Am Vet Med Assoc** 1982 Apr 1;180(7):723
Pharmacological appraisal of fixed-dose combination medicines: discussion paper. Snell ES. **J R Soc Med** 1982 Jun;75(6):457–63
[Drug combination preparations—pro or con] Andersen AH. **Ugeskr Laeger** 1981 Feb 23;143(9):565–6 **(Dan)**

ADVERSE EFFECTS

[Pharmaceutic incompatibilities] Fickweiler E. **Z Arztl Fortbild (Jena)** 1981 Jun 1;75(11–12):544 **(Ger)**

TOXICITY

Concurrent exposure to lead, cadmium, and arsenic. Effects on toxicity and tissue metal concentrations in the rat. Mahaffey KR, et al. **J Lab Clin Med** 1981 Oct;98(4):463–81

DRUG COMMITTEE see **PHARMACY AND THERAPEUTICS COMMITTEE**

DRUG COMPOUNDING

see related
BIOPHARMACEUTICS

Method for testing aseptic technique of intravenous admixture personnel. Dirks I, et al. **Am J Hosp Pharm** 1982 Mar;39(3):457–9
The mail order pharmacy case: APhA's major antitrust victory. Jawaid A. **Am Pharm** 1981 Oct;21(10):54–7
Mixing of pharmaceutical powders and granules. I. Effect of grain size on the manufacturing process. Fujiwara H, et al. **Chem Pharm Bull (Tokyo)** 1982 Jan;30(1):266–71
[The discussion about the chemical and pharmacological changes in the prescription of Chinese materia medica (author's transl)] Ren TC. **Chung Yao Tung Pao** 1981 Sep; 6(5):7–10 **(Chi)**
[Preliminary study on precipitating reactions of 18 prescriptions of Zhang Zhongjing (author's transl)] Sun QM. **Chung Yao Tung Pao** 1981 Jul;6(4):20–2 **(Chi)**
[Risks in the delivery of drugs from the point of manufacture to the patient. I. Risks in manufacturing and compounding] Samková M, et al. **Cesk Farm** 1981 Dec;30(10):349–54 (Eng. Abstr.) **(Cze)**
[Accidents linked to magistral medicines (author's transl)] Riboulet-Delmas G, et al. **Therapie** 1981 May–Jun; 36(3):375–9 (Eng. Abstr.) **(Fre)**
[Pharmaceutical applications of cyclodextrin complexations (author's transl)] Uekama K. **Yakugaku Zasshi** 1981 Oct; 101(10):857–73 (75 ref.) (Eng. Abstr.) **(Jpn)**
[New analytical reagents of the ortho-hydroxy-acetophenonanil class. I. Spectrophotometric determination of Fe 3+] Dorneanu V, et al. **Rev Med Chir Soc Med Nat Iasi** 1981 Jul–Sep; 85(3):523–6 (Eng. Abstr.) **(Rum)**
[Study of the orthokinetic phenomenon in ointments] Verbuţă A, et al. **Rev Med Chir Soc Med Nat Iasi** 1981 Jul–Sep; 85(3):519–22 (Eng. Abstr.) **(Rum)**

METHODS

Granulation, new techniques. Leuenberger H. **Pharm Acta Helv** 1982;57(3):72–82
[Development and testing of new drugs in oncology] Bruntsch U. **MMW** 1982 Apr 16;124(15):356–60 **(Ger)**
[Effect of the antibiotic granulation method on the quality of semisynthetic penicillin capsules (e.g., the sodium salt of dicloxacillin)] Grakovskaia LK, et al. **Antibiotiki** 1981 Aug;26(8):592–4 (Eng. Abstr.) **(Rus)**

STANDARDS

Microbiologic quality assurance for intravenous admixtures in a small hospital. Doss HL, et al. **Am J Hosp Pharm** 1982 May;39(5):832–5

DRUG CONTAINERS AND CLOSURES see **DRUG PACKAGING**

DRUG CONTAMINATION

Microbial contamination of parenteral and enteral nutrition solutions. Allwood MC. **Acta Chir Scand [Suppl]** 1981; 507:383–7
Studies on in-use microbial contamination of irrigation solutions in new packages. Olson OT, et al. **Acta Pharm Suec** 1982;19(2):143–6
Horse dander allergens in a house dust mite extract. Aas K. **Allergy** 1981 Aug;36(6):433–4
Particulate evaluation of parenteral nutrition solutions by electronic particle counting and scanning electron microscopy. Akers MJ, et al. **Am J Hosp Pharm** 1981 Sep; 38(9):1304–7
Sterility and use patterns of multiple-dose vials. Bawden JC, et al. **Am J Hosp Pharm** 1982 Feb;39(2):294–7
Luciferase assay to detect bacterial contamination of intravenous fluids. Bopp CA, et al. **Am J Hosp Pharm** 1981 Nov;38(11):1747–50
Effect of freezing on particle formation in three antibiotic injections. Canton EM, et al. **Am J Hosp Pharm** 1982 Jan; 39(1):124–5
Bacterial contamination of aerosol solutions used to treat cystic fibrosis. Kuhn RJ, et al. **Am J Hosp Pharm** 1982 Feb;39(2):308–9
Growth of bacteria and fungi in parenteral nutrition solutions containing albumin. Mirtallo JM, et al. **Am J Hosp Pharm** 1981 Dec;38(12):1907–10
Comparison of two methods for detecting microbial contamination in intravenous fluids. Posey LM, et al. **Am J Hosp Pharm** 1981 May;38(5):659–62
Effects of particulate matter from carbenicillin disodium solution on human macrophages in vitro. Tabaka MS, et al. **Am J Hosp Pharm** 1981 Oct;38(10):1503–7
Nosocomial Pseudomonas cepacia infection associated with chlorhexidine contamination. Sobel JD, et al. **Am J Med** 1982 Aug;73(2):183–6
Serratia keratitis transmitted by contaminated eyedroppers. Templeton WC 3d, et al. **Am J Ophthalmol** 1982 Jun; 93(6):723–6
Pseudomonas corneal ulcers associated with soft contact-lens wear. Wilson LA, et al. **Am J Ophthalmol** 1981 Oct; 92(4):546–54
Glass fragments in thiopentone sodium solution [letter] Purdie HR, et al. **Anaesthesia** 1982 Jan;37(1):101–2
Microsequence analysis of peptides and proteins. III. Artifacts and the effects of impurities on analysis. Shively JE, et al. **Anal Biochem** 1982 Mar 1;120(2):312–2
Side effects of mydriatic-cycloplegic solutions [letter] Lindsay MB. **Arch Ophthalmol** 1981 Sep;99(9):1654
Leaching of a contaminant into the contents of disposable syringes. **Aust NZ J Med** 1981 Aug;11(4):435
Report on the presence of a toxic substance, dimethyl formamide, in sodium fluorescein used for fluorescein angiography. Jacob JS, et al. **Br J Ophthalmol** 1982 Sep; 66(9):567–8
Impurities in illicit amphetamine: review. Sinnema A, et al. **Bull Narc** 1981;33(3):37–54 (42 ref.)
Acute manganese intoxication and pancreatitis in a patient treated with a contaminated dialysate. Taylor PA, et al. **Can Med Assoc J** 1982 Mar 1;126(5):503–5
Contamination of marihuana cigarettes with pathogenic bacteria—possible source of infection in cancer patients. Ungerleider JT, et al. **Cancer Treat Rep** 1982 Mar; 66(3):589–91
A pseudoepidemic of pulmonary fungal infections related to fiberoptic bronchoscopy. Schleupner CJ, et al. **Infect Control** 1980 Jan–Feb;1(1):38–42
Antibody responses to impurities of penicillin in infants and rabbits. Ahlstedt S, et al. **Int Arch Allergy Appl Immunol** 1982 Mar;67(3):262–6
The role of mononitrochlorobenzene as a contaminant in dinitrochlorobenzene. Doubleday CW, et al. **J Am Acad Dermatol** 1982 Mar;6(3):325–7
Biological and immunological characterization of crude commercial human choriogonadotropin. Taliadouros GS, et al. **J Clin Endocrinol Metab** 1982 May;54(5):1002–9
In-use contamination of intravenous fluids. Baird RM, et al. **J Clin Hosp Pharm** 1981 Sep;6(3):183–8
Growth of nosocomial pathogens in multiple-dose parenteral medication vials. Highsmith AK, et al. **J Clin Microbiol** 1982 Jun;15(6):1024–8
Pseudooutbreak of cryptococcal meningitis. Hopfer RL, et al. **J Clin Microbiol** 1982 Jun;15(6):1141–3
Iodine contamination as a cause of hyperthyroidism or lack of TSH response to TRH stimulation (results based on a screening investigation). Habermann J, et al. **J Endocrinol Invest** 1982 May–Jun;5(3):153–6
Drug resistance patterns of Gram-negative bacteria isolated from food and non-sterile medicines in hospital environments. Simon-Pujol MD, et al. **J Hosp Infect** 1981 Dec;2(4):355–61
An evaluation of the routes of bacterial contamination occurring during aseptic pharmaceutical manufacturing. Whyte W, et al. **J Parenter Sci Technol** 1982 May–Jun; 36(3):102–7
13C-n.m.r. as a convenient aid to the differentiation of triethylenetetramine (TETA) dihydrochloride from related impurities. Casy AF. **J Pharm Pharmacol** 1981 May; 33(5):333–4
Tests for foreign particles in metered-dose aerosols. Lea AR, et al. **J Pharm Pharmacol** 1982 Apr;34(4):225–9
Antimicrobial activity of chlorhexidine gluconate against natural and artificial contamination during simulation of in-use conditions. Aly R. **J Pharm Sci** 1981 Aug;70(8):964
Batch-swirl method for detoxification of isopropyl myristate used for sterility testing of oils and ointments: membrane selection. Placencia AM, et al. **J Pharm Sci** 1982 Jun; 71(6):714–5
Toxicological properties of phosphorothioate and related esters present as impurities in technical organophosphorus insecticides. Umetsu N, et al. **J Toxicol Environ Health** 1981 Mar–Apr;7(3–4):481–97
Bacterial safety of reconstituted continuous drip tube feeding. Hostetler C, et al. **JPEN** 1982 May–Jun;6(3):232–5
ABO blood group activities in human albumin preparations. Yasuda J, et al. **Jpn J Med Sci Biol** 1981 Oct;34(5):271–9
Update on contaminated Prepodyne Solution. **MMWR** 1982 May 7;31(17):235
Pseudomonas aeruginosa peritonitis attributed to a contaminated lodophor solution - Georgia. **MMWR** 1982 Apr 23;31(15):197–8
Salmonellosis associated with marijuana: a multistate outbreak traced by plasmid fingerprinting. Taylor DN, et al. **N Engl J Med** 1982 May 27;306(21):1249–53
Studies on in-use microbial contamination of sterile medicines at an animal hospital. Aslund B, et al. **Nord Vet Med** 1981 Apr–May;33(4–5):194–8
Positive perfusate cultures and renal allograft results. Thomas JH, et al. **Proc Clin Dial Transplant Forum** 1980;10:253–4
Mutagenicity study of Remsen-Fahlberg saccharin and contaminants. Eckhardt K, et al. **Toxicol Lett** 1980 Nov; 7(1):51–60
Examination of Mexican vanilla extracts for coumarin adulteration: part I. Sullivan G. **Vet Hum Toxicol** 1981 Apr; 23(2):89–91
[The identification of Tien-Ma (Gastrodia elata) and its adulterants (author's transl)] Ye GC. **Chung Yao Tung Pao** 1982 Jan;7(1):10–1 **(Chi)**
[Identification of two adulterants of Ge-Jie (author's transl)] Zhang NR. **Chung Yao Tung Pao** 1981 Sep;6(5):13–4 **(Chi)**
[Risks in the delivery of drugs from the point of manufacture to the patient. I. Risks in manufacturing and compounding] Samková M, et al. **Cesk Farm** 1981 Dec;30(10):349–54 (Eng. Abstr.) **(Cze)**
[Aujezky's disease in sheep caused by errors in vaccines] König CD. **Tijdschr Diergeneeskd** 1982 Jun 15; 107(12):475–6 **(Dut)**
[Relationship between physicochemical characteristics and microbiological quality of fluid emulsions (author's transl)] Martini MC, et al. **J Pharm Belg** 1982 Mar–Apr; 37(2):97–107 (Eng. Abstr.) **(Fre)**
[Identification of bacteria from use-surface disinfectant solutions and their sensibility against disinfectants (author's transl)] Dott W, et al. **Zentralbl Bakteriol Mikrobiol Hyg [B]** 1981 Dec; 174(4):314–24 (Eng. Abstr.) **(Ger)**
[Infection risk through the reuse of 'used' cylinder ampoules for dental local anaesthesia (author's transl)] Gräf W. **Zentralbl Bakteriol Mikrobiol Hyg [B]** 1981;174(1–2):1–14 (Eng. Abstr.) **(Ger)**
[Microbiological test for the determination of the maximum permissible standing time for non-sterilised ampoule solutions (author's transl)] Hecker W, et al. **Zentralbl Bakteriol Mikrobiol Hyg [B]** 1981 Sep; 173(6):412–8 (Eng. Abstr.) **(Ger)**
[Microbiological investigations with decentral dosing apparatuses for disinfectants. Part 1: investigations of cell number (author's transl)] Heinzel M, et al. **Zentralbl Bakteriol Mikrobiol Hyg [B]** 1981 Dec; 174(4):299–313 (Eng. Abstr.) **(Ger)**
[Sulfite-reducing Clostridia in raw materials for pharmaceutical use] Barzaghi D, et al. **Boll Chim Farm** 1981 Sep;120(9):528–36 (Eng. Abstr.) **(Ita)**
[Findings on the microbiological characteristics of pharmaceutical containers] Negretti F. **Boll Chim Farm** 1981 Apr;120(4):193–201 (Eng. Abstr.) **(Ita)**
[One of aberrant organisms isolated from swine kidney culture cells (author's transl)] Eto M, et al. **Igaku Kenkyu** 1980 Apr;50(3):242–6 (Eng. Abstr.) **(Jpn)**
[Radioimmunological method of determination of glucagon content in insulins of Polish production] Cholewka W, et al. **Acta Pol Pharm** 1981;38(1):139–40 **(Pol)**
[Insoluble contaminants in large-volume parenteral infusion fluids. Use of the particle counter LZ-2] Pawlaczyk J, et al. **Acta Pol Pharm** 1981;38(4):473–8 (Eng. Abstr.) **(Pol)**
[Sensitivity of bacterial isolated from non-parenteral drugs to antibiotics. I. Isolation and identification of microorganisms] Zembrzuska E. **Acta Pol Pharm** 1981; 38(1):115–22 (Eng. Abstr.) **(Pol)**
[Sensitivity of bacteria isolated from non-parenteral drugs

to antibiotics. II. Sensitivity of gram-positive strains] Zembrzuska E. **Acta Pol Pharm** 1981;38(1):123-8 (Eng. Abstr.) **(Pol)**

[Microbiological evaluation of intravenous infusion residues] Fiebig A, et al. **Pol Tyg Lek** 1981 Sep 21;36(38):1459-62 (Eng. Abstr.) **(Pol)**

[Comparison of methods of determining trace amounts of lead (II) in dyes and cosmetics] Masłowska J, et al. **Rocz Panstw Zakl Hig** 1981;32(4):327-32 (Eng. Abstr.) **(Pol)**

ANALYSIS

Role of trace elements in pharmaceutical medication. Gonsior B, et al. **Agressologie** 1981;22(4):143-5

Release of nickel into fluid stored in the reservoir of Dermo-Jets. Lachapelle JM, et al. **Contact Dermatitis** 1982 Mar;8(2):122-7

Analysis of volatile N-nitrosamines in commercial drugs. Castegnaro M, et al. **Food Cosmet Toxicol** 1981 Aug; 19(4):489-91

[Gas chromatographic determination of sym-triazine herbicides in drugs from vegetable sources (author's transl)] Gabrio T, et al. **Pharmazie** 1982 May;37(5):375-7 (Eng. Abstr.) **(Ger)**

[On the determination of chlorpropham, metobromuron and chlorbromuron residues in drugs of the 2. AB-DDR (author's transl)] Thieme H, et al. **Pharmazie** 1982 May; 37(5):370-4 (Eng. Abstr.) **(Ger)**

[Residues and impurities in medicinal plants and drug preparations (author's transl)] Schilcher H. **Planta Med** 1982 Feb;44(2):65-77 (Eng. Abstr.) **(Ger)**

PREVENTION & CONTROL

Sterility-testing program for antibiotics and other intravenous admixtures. Choy FN, et al. **Am J Hosp Pharm** 1982 Mar;39(3):452-6

Method for testing aseptic technique of intravenous admixture personnel. Dirks I, et al. **Am J Hosp Pharm** 1982 Mar;39(3):457-9

Microbiologic quality assurance for intravenous admixtures in a small hospital. Doss HL, et al. **Am J Hosp Pharm** 1982 May;39(5):832-5

Particulate matter possible in type B vertical-flow hoods [letter] Power LA, et al. **Am J Hosp Pharm** 1982 Apr; 39(4):574

Production of sterile fluids in hospital pharmacies. Gillett AP. **J Hosp Infect** 1981 Jun;2(2):113-5

Integrity testing of vial closure systems used for parenteral products. Frieben WR, et al. **J Parenter Sci Technol** 1982 May-Jun;36(3):112-6

Particulate inspection of parenteral products: an assessment. Knapp JZ, et al. **J Parenter Sci Technol** 1981 Jul-Aug; 35(4):176-85

Particulate inspection of parenteral products: from biophysics to automation. Knapp JZ, et al. **J Parenter Sci Technol** 1982 May-Jun;36(3):121-7

Automatic particle counters used for regulatory monitoring of particulates in LVPs: statistical analysis. Oxborrow GS, et al. **J Parenter Sci Technol** 1981 Sep-Oct;35(5):237-41

Sterile products and hospital pharmacists [editorial] Robinson JR. **J Parenter Sci Technol** 1981 Jul-Aug;35(4):145

Settling and impaction of particles into containers in manufacturing pharmacies. Whyte W. **J Parenter Sci Technol** 1981 Sep-Oct;35(5):255-61

Disinfectants as an aid for good manufacturing practice in the pharmaceutical industry. Wallhäusser KH. **J Pharm Belg** 1981 Sep-Oct;36(5):283-97

Do water pipes prevent transmission of fungi from contaminated marijuana? [letter] Moody MM, et al. **N Engl J Med** 1982 Jun 17;306(24):1492-3

[Bacteriological and technical testing of an 0.2-micrometer air-eliminating infusion filter (author's transl)] Beham A, et al. **Anaesthesist** 1981 Aug;30(8):427-9 (Eng. Abstr.) **(Ger)**

DRUG DEPENDENCE see **SUBSTANCE DEPENDENCE**

DRUG DETOXICATION, METABOLIC see **METABOLIC DETOXICATION, DRUG**

DRUG ERUPTIONS see **DERMATITIS MEDICAMENTOSA**

DRUG EVALUATION

Underrepresentation of women in new drug trials. Kinney EL, et al. **Ann Intern Med** 1981 Oct;95(4):495-9

Science, humanism and the Phase I trial. Young CW. **Clin Bull** 1981;11(1):3-4

KSTAGE: an interactive computer program for designing phase II clinical trials using predictive probability. Atkinson EN, et al. **Comput Biomed Res** 1982 Jun; 15(3):220-7

Clinical trials in medicine. Obel AO. **East Afr Med J** 1981 Nov;58(11):809-13

Preclinical toxicological testing and safeguards in clinical trials. Grahame-Smith DG. **Eur J Clin Pharmacol** 1982; 22(1):1-6

Drug development in India. Bajaj JS. **Indian J Physiol Pharmacol** 1981 Apr-Jun;25(2):95-104

On the nature and ethics of phase I clinical trials of cancer chemotherapies. Lipsett MB. **JAMA** 1982 Aug 27; 248(8):941-2

The role of the nurse clinical research associate in testing a new drug. McGillick KJ, et al. **Nurs Forum** 1980; 19(4):379-84

Ethical and legal issues in pediatric drug research. Cohen SN. **Pediatr Pharmacol (New York)** 1980;1(1):25-9

Drug studies in children. Finkel MJ. **Pediatr Pharmacol (New York)** 1980;1(1):7-14

Guidelines for the evaluation of drugs in the elderly neuropsychiatric patient (demented and non-demented). **Pharmacopsychiatria** 1981 Jul;14(4):150-4 contd

Drug testing in prisons: the views from inside. Duffy P Jr. **Prog Clin Biol Res** 1981;76:79-89

Drug testing in prisons. Levine RJ. **Prog Clin Biol Res** 1981; 76:73-8

The prisoners' dilemma: drug testing in prisons and the violation of human rights. Wartofsky M. **Prog Clin Biol Res** 1981;76:57-72

Drug testing in prisons. Case for discussion. Winkelman L, et al. **Prog Clin Biol Res** 1981;76:53-5

Biologic-response modifiers and adjuvant chemotherapy: consideration of selected preclinical investigations in relation to clinical potential. Goldin A, et al. **Recent Results Cancer Res** 1982;80:351-6

[Multivariate analysis for comparisons of psychotropic drugs] Rovida S, et al. **Arch E Maragliano Patol Clin** 1978; 34(2):179-83 (Eng. Abstr.) **(Ita)**

METHODS

Pharmacy-coordinated investigational drug services. Stolar MH, et al. **Am J Hosp Pharm** 1982 Mar;39(3):232-6

Fentanyl reduces the intensity of painful tooth pulp sensations: controlling for detection of active drugs. Gracely RH, et al. **Anesth Analg (Cleve)** 1982 Sep; 61(9):751-5

Women in new drug trials [letter] Kendall MJ, et al. **Ann Intern Med** 1982 Mar;96(3):376-7

Multiple-dose phase I trials--normal volunteers or patients? One viewpoint. Weissman L. **J Clin Pharmacol** 1981 Oct; 21(10):385-7

Repeated-measures latin square designs in clinical pharmacology. Wilson WH, et al. **Methods Find Exp Clin Pharmacol** 1982;4(1):37-42

Guidelines for the evaluation of drugs in the elderly neuropsychiatric patient (demented and non-demented). **Pharmacopsychiatria** 1981 Nov;14(6):217-22

Statistical contributions to phase II trials in cancer: interpretation, analysis and design. Lee YJ, et al. **Semin Oncol** 1981 Dec;8(4):403-16

The Cancer Therapy Evaluation Program of the National Cancer Institute. Muggia FM, et al. **Semin Oncol** 1981 Dec; 8(4):394-402

A note on drug trials in schistosomiasis. McMahon JE. **Trans R Soc Trop Med Hyg** 1981;75(4):597-8

Abstracts of the symposium on safety evaluation of drugs and chemicals. June 1-3, 1981, Iowa State University, Ames, Iowa. **Vet Hum Toxicol** 1981 Oct;23(5):344-9

[Drug actions, drug safety and drug evaluation. A short review] Gross R, et al. **Med Welt** 1981 Aug 28; 32(35):1257-63 **(Ger)**

[Effectiveness of drug testing with the help of psychometric methods. Possibilities and problems] Oswald WD. **Med Welt** 1981 Aug 21;32(34):1225-31 **(Ger)**

[Development and testing of new drugs in oncology] Bruntsch U. **MMW** 1982 Apr 16;124(15):356-60 **(Ger)**

[Severe adverse drug reactions among medical inpatients (author's transl)] Marty H, et al. **Praxis** 1981 Sep 22; 70(39):1677-87 (Eng. Abstr.) **(Ger)**

['Partner control' method of twin studies in evaluating the hemodynamic effects of nonachlazine] Zaslavskaia RM, et al. **Farmakol Toksikol** 1981 May-Jun;44(3):357-60 **(Rus)**

[Polyamines in the evaluation of the effectiveness of cancer patient treatment] Bassalyk LS, et al. **Vestn Akad Med Nauk SSSR** 1982;(3):57-61 (Eng. Abstr.) **(Rus)**

STANDARDS

The last patient in a drug trial. **Hastings Cent Rep** 1981 Dec; 11(6):21-3

Criteria for the clinical evaluation of prophylactic agents in bronchial asthma. Craps L. **Int Arch Allergy Appl Immunol** 1981;66 Suppl 1:272-8

Guidelines for the evaluation of drugs in the elderly neuropsychiatric patients (demented and non-demented). **Pharmacopsychiatria** 1981 Sep;14(5):190-9

Cancer institute's drug program reproved [news] Sun M. **Science** 1981 Nov 20;214(4523):887-9

VETERINARY

Research activities in the Bureau of Veterinary Medicine. Norcross MA. **J Am Vet Med Assoc** 1982 Jan 1;180(1):32

DRUG EVALUATION, FDA PHASE I see **DRUG EVALUATION**

DRUG EVALUATION, FDA PHASE II see **DRUG EVALUATION**

DRUG EVALUATION, FDA PHASE III see **CLINICAL TRIALS**

DRUG EVALUATION, FDA PHASE IV see **CLINICAL TRIALS**

DRUG EVALUATION, PRECLINICAL see **DRUG SCREENING**

DRUG HABITUATION see **SUBSTANCE DEPENDENCE**

DRUG HYPERSENSITIVITY

Effects of levamisole on the tuberculin test. Vanella LM, et al. **Allergol Immunopathol (Madr)** 1981 Mar-Apr; 9(2):103-8

Hypersensitivity reactions to ethylenediamine in aminophylline [letter] Stratton TP, et al. **Am Rev Respir Dis** 1981 Oct;124(4):511-2

Allergy and adverse drug reactions. VanArsdel PP Jr. **J Am Acad Dermatol** 1982 May;6(5):833-45 (44 ref.)

Evaluation of possible causes of delayed hypersensitivity impairment in cancer patients. Dominioni L, et al. **JPEN** 1981;5(4):300-6

Cluster analysis of nutritional and immunological indicators for identification of high risk surgical patients. Nazari S, et al. **JPEN** 1981;5(4):307-16

Sex difference in the development of hypersensitivity or tolerance to haloperidol in the rat. Fujii T, et al. **Jpn J Pharmacol** 1982 Apr;32(2):247-54

Hypersensitivity reaction to Depo-Provera [letter] Zacest R, et al. **Med J Aust** 1982 Jan 9;1(1):12

[The Houssay phenomenon in man (author's transl)] Windeck R, et al. **Dtsch Med Wochenschr** 1982 Jul 16; 107(28):1088-92 (Eng. Abstr.) **(Ger)**

[Sensitivity of albino and black mice to various drugs chemically related to melanins] Zarach-Krutysza M. **Acta Pol Pharm** 1981;38(4):513-8 (Eng. Abstr.) **(Pol)**

BLOOD

[Plasma and platelet homeostasis during the recovery period of drug allergy] Gribauskas PS, et al. **Vrach Delo** 1981 Nov; (11):90-2 (Eng. Abstr.) **(Rus)**

COMPLICATIONS

Asthma with aspirin intolerance. Clinical entity or coincidence of nonspecific bronchial hyperreactivity and aspirin intolerance. Grzelewska-Rzymowska I, et al. **Allergol Immunopathol (Madr)** 1981 Nov-Dec;9(6):533-8

Recurrent environmentally triggered thrombophlebitis: a five-year follow-up. Rea WJ, et al. **Ann Allergy** 1981 Nov; 47(5 Pt 1):338-44

Severe leukopenia and thrombocytopenia secondary to quinidine. Nair MR, et al. **Clin Cardiol** 1981 Sep-Oct; 4(5):247, 257

Transient Gilles de la Tourette syndrome after chronic neuroleptic withdrawal. Singer WD. **Dev Med Child Neurol** 1981 Aug;23(4):518-21

Drug fever in severe combined immunodeficiency: a dilemma [letter] Peerless AG. **Lancet** 1981 Sep 19;2(8247):638

Asthma attacks precipitated by disodium cromoglycate in boy with alpha 1-antitrypsin deficiency [letter. Price HV. **Lancet** 1982 Sep 11;2(8298):606-7

Shock due to protamine hypersensitivity. Cobb CA 3d, et al. **Surg Neurol** 1982 Apr;17(4):245-6

[Drug allergy lesion of nervous system (author's transl)] Zhu DX. **Chung Hua Shen Ching Ching Shen Ko Tsa Chih** 1979 Jun;12(2):77-9 **(Chi)**

[Aplastic anemia in a patient with severe allergic predisposition. Probably caused by treatment with naproxen (Naprosyn)] Schifter S. **Ugeskr Laeger** 1981 May 4;143(19):1223 (Eng. Abstr.) **(Dan)**

[Arterial vascular occlusion in penicillin allergy (author's transl)] Martin M, et al. **Dtsch Med Wochenschr** 1981 Nov 13;106(46):1541-4 (Eng. Abstr.) **(Ger)**

[Acetylsalicylic acid and food additive intolerance in urticaria, bronchial asthma and rhinopathy] Wüthrich B, et al. **Schweiz Med Wochenschr** 1981 Sep 26; 111(39):1445-50 (Eng. Abstr.) **(Ger)**

[Nephropathies caused by drug hypersensitivity in children] Paolone G. **Pediatria (Napoli)** 1980 Mar 31;88(1):81-90 (45 ref.) **(Ita)**

[Asthma coexisting with aspirin hypersensitivity. A clinical study] Grzelewska-Rzymowska I, et al. **Pol Arch Med Wewn** 1982 Jan-Feb;67(1-2):7-13 (Eng. Abstr.) **(Pol)**

[Hypersensitivity to pyrazolone drugs (author's transl)] Czerniawska-Mysik G. **Przegl Lek** 1981;38(7):531-5 (Eng. Abstr.) **(Pol)**

[Cases of toxico-allergic hepatitis] Shugailo VT, et al. **Vrach Delo** 1981 Mar;(3):14-6 **(Rus)**

DIAGNOSIS

Allergic reactions to steroids presenting with neurological symptoms. Behan PO, et al. **Acta Neurol Scand** 1982 May; 65(5):432-41

Allergy to local anaesthesia. Fisher MM, et al. **Br J Anaesth** 1982 Aug;54(8):893-4

Hypersensitivity to local anaesthetics: a direct challenge test with lignocaine for definitive diagnosis. Barer MR, et al. **Br Med J [Clin Res]** 1982 Apr 24;284(6324):1229-30

Cetrimide allergy presenting as suspected non-accidental injury. Inman JK. **Br Med J [Clin Res]** 1982 Feb 6; 284(6313):385

Hypersensitivity to local anaesthetics: a direct challenge test with lignocaine for definitive diagnosis [letter] Wildsmith JA. **Br Med J [Clin Res]** 1982 Jun 5;284(6330):1708

Aspirin and food dye reactions. Condemi JJ. **Bull NY Acad Med** 1981 Sep;57(7):600–7

Radioallergosorbent test with conjugates specific for 'minor' haptenic determinants in the diagnosis of IgE–mediated penicillin allergy in man. Kraft D, et al. **Clin Allergy** 1981 Nov;11(6):579–87

Lymphocyte transformation test in detection of drug hypersensitivity. Dobozy A, et al. **Clin Exp Dermatol** 1981 Jul;6(4):367–72

Penicillin allergy with positive skin test to cephalosporin alone. Valsecchi R, et al. **Contact Dermatitis** 1982 Jul; 8(4):278

Development and use of three new radioallergosorbent tests in the diagnosis of penicillin allergy. Edwards RG, et al. **Int Arch Allergy Appl Immunol** 1982;68(4):352–7

Role of lymphocyte transformation in drug allergy. Sarkany I. **Int J Dermatol** 1981 Oct;20(8):544–5

Penicillin allergy: clinical experience with a battery of skin–test reagents. Solley GO, et al. **J Allergy Clin Immunol** 1982 Feb;69(2):238–44

Experimental skin sensitization in guinea pigs verified by the skin test and the lymphocyte migration inhibition test. Janečková V, et al. **J Hyg Epidemiol Microbiol Immunol** 1981;25(3):244–51

Diagnosing drug allergy. Van Arsdel PP Jr. **JAMA** 1982 May 14;247(18):2576–81

Penicilloyl–dextran conjugates as reagents for skin testing in penicillin allergy. Cîrstea M, et al. **Physiologie** 1981 Oct–Dec;18(4):241–5

Sensitivity to Patent Blue dye during skin–prick testing and lymphography. A retrospective and prospective study. Kalimo K, et al. **Radiology** 1981 Nov;141(2):365–7

Monitoring delayed–onset pulmonary hypersensitivity in guinea pigs. Karol MH, et al. **Toxicol Appl Pharmacol** 1981 Nov;61(2):277–85

[Leukocyte aggregation test for assessing cell–mediated immunity: its use in drug allergy (author's transl)] Rouveix B. **Nouv Presse Med** 1982 Mar 6;11(11):843–6 (Eng. Abstr.) **(Fre)**

[Allergologic study of 28 subjects having shown an anaphylactic shock reaction to general anesthetics. Value of the Prausnitz–Küstner test] Moneret–Vautrin DA, et al. **Toxicol Eur Res** 1982 Mar;4(2):95–9 (Eng. Abstr.) **(Fre)**

[Pseudoallergic drug reactions] Ring J. **MMW** 1982 Mar 12; 124(10):94–6 **(Ger)**

[Dermatologic diagnosis in drug allergies] Kleine–Natrop HE. **Z Arztl Fortbild (Jena)** 1981 Feb 15;75(4):141–55 (51 ref.) **(Ger)**

[Use of the basophil degranulation test in the study of hypersensitivity reactions to iodized contrast media] Stratta P, et al. **Radiol Med (Torino)** 1981 Sep;67(9):669–70 **(Ita)**

[Diagnosis of responsible drugs in drug sensitivity—with special reference to in vitro tests (author's transl)] Okamoto Y, et al. **Rinsho Byori** 1981 Dec;29(12):1210–16 **(Jpn)**

[Leukocyte migration inhibition test in the diagnosis of drug hypersensitivity] Janicka G, et al. **Pol Tyg Lek** 1981 Jun 1;36(22):805–6 (Eng. Abstr.) **(Pol)**

[Use of the leukocytolysis reaction for studying sensitization to drug preparations] Shlykova SI, et al. **Lab Delo** 1982; (5):307–8 (Eng. Abstr.) **(Rus)**

[Diagnosis of body hypersensitivity to x–ray contrast preparations in spinal osteochondrosis] Khvisiuk NI, et al. **Ortop Travmatol Protez** 1981 Dec;(12):48–50 **(Rus)**

[Biophysical methods of diagnosis of drug allergy in patients with pulmonary tuberculosis] Shutskaia EI, et al. **Probl Tuberk** 1982 Apr;(4):63–6 (Eng. Abstr.) **(Rus)**

[Clinical manifestations of drug disease] Konovalov IuD. **Sov Med** 1981;(10):114–5 **(Rus)**

[Allergy in persons in contact with drug preparations during manufacture] Korochkin IM, et al. **Sov Med** 1982;(2):39–42 (Eng. Abstr.) **(Rus)**

[Early manifestations of allergic dermatoses caused by contact with aminazine in medical workers] Abdrashitov ShG, et al. **Vestn Dermatol Venerol** 1982 Mar;(3):61–6 (Eng. Abstr.) **(Rus)**

[The importance of identifying specific antigens in the diagnosis and treatment of allergic conditions] Ljaljević M, et al. **Glas Srp Akad Nauka [Med]** 1980;315(32):205–12 (Eng. Abstr.) **(Scc)**

[Penicillin hypersensitivity in children in vivo and in vitro] Jokovljev DM, et al. **Srp Arh Celok Lek** 1981 Jul; 109(7):861–5 (Eng. Abstr.) **(Scc)**

[Penicillin allergy (Correlation between clinical history and direct skin tests)] López Zepeda J, et al. **Alergia** 1981 Oct; 28(4):185–90 (Eng. Abstr.) **(Spa)**

DRUG THERAPY

Reversal of progressive, life–threatening gold hypersensitivity pneumonitis by corticosteroids. Levinson ML, et al. **Am J Med** 1981 Nov;71(5):908–12

Cimetidine and allergy skin testing [letter] Cohen SH, et al. **Ann Intern Med** 1982 Jun;96(6 Pt 1):787

Prophylactic antihistamines in the management of radiographic contrast reactions. Small P, et al. **Clin Allergy** 1982 May;12(3):289–94

Cimetidine in insulin allergy [letter] Chideckel EW, et al. **Diabetes Care** 1982 Jul–Aug;4(4):503–4

Desensitization of patients allergic to penicillin using orally administered beta–lactam antibiotics. Sullivan TJ, et al. **J Allergy Clin Immunol** 1982 Mar;69(3):275–82

Antigen–specific desensitization of patients allergic to penicillin. Sullivan TJ. **J Allergy Clin Immunol** 1982 Jun; 69(6):500–8

[Therapy of the side–effects of a contrast medium using triamcinolone acetonide–21–dipotassium phosphate] Fiegel G. **Med Welt** 1982 Jan 29;33(4):142–3 **(Ger)**

ENZYMOLOGY

Studies of heterogeneity of angiotensin–converting enzyme and acid phosphatase in granulomatous lesions of skin. Hara A, et al. **Clin Chim Acta** 1981 Dec 24;117(3):269–77

ETIOLOGY

Myocarditis and methyldopa. Seeverens H, et al. **Acta Med Scand** 1982 May;211(3):233–5

Adverse drug reactions produced by analgetic drugs. Antépara I, et al. **Allergol Immunopathol (Madr)** 1981 Nov–Dec;9(6):545–54

Immune thrombocytopenia due to antazoline (Antistina). Lanng Nielsen J, et al. **Allergy** 1981 Oct;36(7):517–9

Challenge of penicillin–allergic volunteers with penicillin–contaminated meat. Lindemayr H, et al. **Allergy** 1981 Oct;36(7):471–8

Fatal methyldopa–associated granulomatous hepatitis and myocarditis. Bezahler GH. **Am J Med Sci** 1982 Jan–Feb; 283(1):41–5

Anaphylaxis to meperidine. Levy JH, et al. **Anesth Analg (Cleve)** 1982 Mar;61(3):301–3

Upper airway edema—an anaphylactoid reaction to succinylcholine? Cohen S, et al. **Anesthesiology** 1982 Jun; 56(6):467–8

Leukocyte histamine release to thiopental. Hirshman CA, et al. **Anesthesiology** 1982 Jan;56(1):64–7

Diphenylhydantoin hypersensitivity reaction associated with interstitial pulmonary infiltrates and hypereosinophilia. Fruchter L, et al. **Ann Allergy** 1981 Dec;47(6):453–5

Cholestatic jaundice and aminoglutethimide [letter] Gerber SB, et al. **Ann Intern Med** 1982 Jul;97(1):138

Hypersensitivity to cimetidine [letter] Sandhu BS, et al. **Ann Intern Med** 1982 Jul;97(1):138

Allergic conjunctivitis associated with timolol therapy in an adult. Baldone JA, et al. **Ann Ophthalmol** 1982 Apr; 14(4):364–5

A unique case of grand mal seizures after fluress. Cohn HC, et al. **Ann Ophthalmol** 1981 Dec;13(12):1379–80

D–penicillamine–induced enhancement of the delayed hypersensitivity reaction in guinea–pigs. Honma T, et al. **Ann Rheum Dis** 1982 Feb;41(1):90–2

Another hazard of gold therapy [letter] Rennie JA. **Ann Rheum Dis** 1982 Aug;41(4):436

The dapsone syndrome. Kromann NP, et al. **Arch Dermatol** 1982 Jul;118(7):531–2

Chemical phlebothrombosis of large veins. A not uncommon complication of total parenteral nutrition. Freund HR. **Arch Surg** 1981 Sep;116(9):1220–1

Phenytoin induced granulomatous hepatitis. Cook IF, et al. **Aust NZ J Med** 1981 Oct;11(5):539–41

Cephalothin–induced acute allergic interstitial nephritis. Durham DS, et al. **Aust NZ J Med** 1981 Jun;11(3):266–7

The relationship between in vivo and in vitro reactivity of patients with a history of allergy to local anaesthetics. Babajews AV, et al. **Br Dent J** 1982 Jun 1;152(11):385–7

Amoxil twin pack and tartrazine allergy [letter] Baker KW. **Br Dent J** 1981 Oct 6;151(7):213–4

Adverse reaction to extradural buprenorphine [letter] Christensen FR, et al. **Br J Anaesth** 1982 Apr;54(4):476

Allergic reaction to an amide local anaesthetic [letter] McLeskey CH. **Br J Anaesth** 1981 Oct;53(10):1105–6

Adverse responses to i.v. anaesthetics [letter] Mehta S. **Br J Anaesth** 1981 Sep;53(9):1005–6

I. v. suxamethonium test [letter] Plötz J, et al. **Br J Anaesth** 1982 Apr;54(4):475–6

Formaldehyde sensitivity in patients allergic to formaldehyde–releasing biocides [letter] Dahl MG. **Br J Dermatol** 1982 Jan;106(1):119

Acetylsalicylic acid [letter] Nguyen K. **Can Med Assoc J** 1982 Apr 1;126(7):773

Lack of beta–adrenoreceptor hypersensitivity after abrupt withdrawal of long–term therapy with oxprenolol. Bolli P, et al. **Circulation** 1981 Dec;64(6):1130–4

Insulin allergy and immunologic insulin resistance. Davidson JK. **Compr Ther** 1982 Jan;8(1):46–52

Delayed–type allergy to phenazone in a patient with erythema multiforme. Landwehr AJ, et al. **Contact Dermatitis** 1982 Jul;8(4):283–4

Nickel sensitivity as a cause of rhinitis. Niordson AM. **Contact Dermatitis** 1981 Sep;7(5):273–4

Contact dermatitis from nasal sprays and amyl nitrite. Romaguera C, et al. **Contact Dermatitis** 1982 Jul;8(4):266–7

Alternative for sensitizing neomycin topical medicaments. Fisher AA, et al. **Cutis** 1981 Nov;28(5):491, 494, 496 passim (24 ref.)

Cholinergic urticaria and neuromuscular blocking agents. Wolf R. **Cutis** 1981 Oct;28(4):448–9

Anaphylactic–like reactions to zomepirac. Driver PS, et al. **Drug Intell Clin Pharm** 1982 Jul–Aug;16(7–8):616

A suspected case of nitrofurantoin pneumonitis. Ponte CD. **Drug Intell Clin Pharm** 1982 Jan;16(1):63–4

More on tartrazine sensitivity [letter] Tse CS. **Drug Intell Clin Pharm** 1982 Jul–Aug;16(7–8):619–20

Alternative antibiotics for the penicillin–sensitive patient. Turck M. **Hosp Pract** 1981 Oct;16(10):77–80, 85–7

Adjuvant activity of carbohydrate analogs of N–acetylmuramyl–L–alanyl–D–isoglutamine on the induction of delayed–type hypersensitivity to azobenzenearsonate–N–acetyl–L–tyrosine in guinea pigs. Azuma I, et al. **Infect Immun** 1981 Sep;33(3):834–9

Adverse drug reactions in dermatologic therapy. Kramer MS. **Int J Dermatol** 1981 Sep;20(7):483–4

Long–term ticarcillin desensitization by the continuous oral administration of penicillin. Brown LA, et al. **J Allergy Clin Immunol** 1982 Jan;69(1 Pt 1):51–4

Skin testing and penicillin allergy [letter] Sullivan TJ. **J Allergy Clin Immunol** 1982 Sep;70(3):221–2

Inhaled metabisulfite sensitivity [letter] Werth GR. **J Allergy Clin Immunol** 1982 Aug;70(2):143

Delayed type hypersensitivity for penicillin in mice. I. Induction and characterization of delayed type hypersensitivity for penicillin in mice. Shiho O, et al. **J Antibiot (Tokyo)** 1981 Apr;34(4):452–8

Hypersensitivity reactions to adriamycin: two case reports. Prados M. **J La State Med Soc** 1981 Oct;133(10):154–5

An unusual case of hypersensitivity vasculitis probably due to allopurinol. Falco D, et al. **J Med Soc NJ** 1982 May; 79(5):409–12

Some cautionary notes on prescribing allopurinol [news] Page H. **JAMA** 1982 Aug 6;248(5):519

Hypersensitivity to chlorobutanol in DDAVP solution [letter] Itabashi A, et al. **Lancet** 1982 Jan 9;1(8263):108

Effect of storage of penicillin–G solutions on sensitisation to penicillin–G after intravenous administration. Neftel KA, et al. **Lancet** 1982 May 1;1(8279):986–8

Protamine as a cause of generalised allergic reactions to NPH insulin [letter] Sánchez MB, et al. **Lancet** 1982 May 29; 1(8283):1243

Drug allergy, an update. VanArsdel PP Jr. **Med Clin North Am** 1981 Sep;65(5):1089–103 (33 ref.)

Unsuspected benzyl alcohol hypersensitivity [letter] Grant JA, et al. **N Engl J Med** 1982 Jan 14;306(2):108

Delayed hypersensitivity to thimerosal in soft contact lens wearers. Wilson LA, et al. **Ophthalmology (Rochester)** 1981 Aug;88(8):804–9

Anaphylaxis in patient with nasal polyps is likely due to aspirin sensitivity. **Postgrad Med** 1981 Oct;70(4):113,117

Immune mechanisms for induction of penicillin allergy. Ahlstedt S, et al. **Prog Allergy** 1982;30:67–134 (327 ref.)

Predictive value of prekallikrein–kallikrein conversion rates in adverse reactions to contrast media [letter] Anichini P, et al. **Radiology** 1982 Aug;144(3):689

Hypersensitivity reaction to cancer chemotherapy. Weiss RB. **Semin Oncol** 1982 Mar;9(1):5–13

Adverse reactions to cefaclor. Ackley AM Jr, et al. **South Med J** 1981 Dec;74(12):1550

Hypersensitivity to ethambutol. Kerremans A, et al. **Tubercle** 1981 Sep;62(3):215–7

Thrombocytopenia due to sulfonamide cross–sensitivity. Bretza JA. **Wis Med J** 1982 Jun;81(6):21–3

[Anaphylactoid reaction in rats after administration of dextran and hydroxyethyl starch manufactured in Czechoslovakia (author's transl)] Skala E, et al. **Cas Lek Cesk** 1980 Oct 10;119(40–41):1098–100 (Eng. Abstr.) **(Cze)**

[Allergic side–effects following radiography of colon with barium sulfate suspension] Larsen CF. **Ugeskr Laeger** 1981 Apr 6;143(15):937–8 (Eng. Abstr.) **(Dan)**

[Drug fever during treatment with nomifensine (Alival)] Nielsen JL, et al. **Ugeskr Laeger** 1981 May 24; 143(21):1328–9 (Eng. Abstr.) **(Dan)**

[Drug fever due to a new antidepressent, nomifensine (Alival)] Weihe P, et al. **Ugeskr Laeger** 1981 May 24; 143(21):1330–1 (Eng. Abstr.) **(Dan)**

[A case of hypersensitivity to atropine (letter)] Economacos G, et al. **Anesth Analg (Paris)** 1982;38(11–12):748 **(Fre)**

[Gougerot's trisymptom complex induced by anti–inflammatory agents. Role of diclofenac?] Bonafé JL, et al. **Ann Dermatol Venereol** 1982;109(3):283–4 **(Fre)**

[Bone marrow aplasia induced by sulfamethoxazole–trimethoprim. Evidence of an allergic mechanism (letter)] Chanu B, et al. **Nouv Presse Med** 1981 Nov 21;10(42):3496–7 **(Fre)**

[Thrombopenia of immune origin during heparin therapy (letter)] Duthilleul P, et al. **Nouv Presse Med** 1982 May 22;11(24):1879–80 **(Fre)**

[Immunologically agranulocytosis after ajmaline administration (author's transl)] Audhuy B, et al. **Sem Hop Paris** 1981 Nov 8–25;57(41–42):1748–9 (Eng. Abstr.) **(Fre)**

[Insulin allergy (author's transl)] Vermeulen C. **Sem Hop Paris** 1981 Oct 8–15;57(37–38):1527–34 (Eng. Abstr.) **(Fre)**

[Intolerance to cornstarch used as an excipient in drugs? A clinical example (author's transl)] Lagier G, et al. **Therapie** 1981 May–Jun;36(3):365–7 (Eng. Abstr.) **(Fre)**

[Allergenic residues of veterinary drugs in food (author's transl)] Burgat–Sacaze V. **Toxicol Eur Res** 1982 Jan; 4(1):19–23 (Eng. Abstr.) **(Fre)**

[Patterns of allergic skin reactions during insulin treatment (author's transl)] Hasche H, et al. **Dtsch Med Wochenschr** 1981 Oct 30;106(44):1451–6 (Eng. Abstr.) **(Ger)**

[Leukocytoclastic vasculitis due to drug allergy presenting

as generalized pustular exanthema] Röckl H. **Hautarzt** 1981 Sep;32(9):467–70 (Eng. Abstr.) **(Ger)**

[Applied allergology, Part 17. Drug allergy] Ring J. **MMW** 1982 Mar 5;124(9):102–6 **(Ger)**

[1st direct comparison of allergic side effects of dextran with and without hapten] Gruber UF, et al. **Schweiz Med Wochenschr** 1982 Apr 24;112(17):605–12 (Eng. Abstr.) **(Ger)**

[Allergic reaction to Patent Bleu V during lymphoadenographic examination. 2 case reports] Fuochi C, et al. **Radiol Med (Torino)** 1982 May;68(5):363–5 **(Ita)**

[Studies on antigenicity, phototoxicity and other specific toxicities of hydrocortisone 17-butyrate 21-propionate (HBP) (author's transl)] Otomo S, et al. **J Toxicol Sci** 1981 Jul;6 Suppl:159–78 (Eng. Abstr.) **(Jpn)**

[Serum concentration and adverse effects of antibiotics] Shimada J. **Nippon Rinsho** 1981 Jan;39(1):108–14 **(Jpn)**

[Course of tuberculin allergy in children vaccinated with BCG for the 1st time in the children revaccinated. IV. The development of tuberculin allergy in children vaccinated with BCG in infancy and tested annually from 1 to 5 years old] Krzyszkowska A, et al. **Pneumonol Pol** 1982 Dec;49(12):809–16 (Eng. Abstr.) **(Pol)**

[Allergy to the most frequently used volatile oils in Poland] Grzywa Z. **Wiad Lek** 1981 Jun 1;34(11):937–40 (Eng. Abstr.) **(Pol)**

[Role of inflammation mediators in the etiology of hypersensitivity to strophanthin in various experimental heart diseases] Gendenshtein EI, et al. **Biull Eksp Biol Med** 1982 Mar;93(3):52–5 (Eng. Abstr.) **(Rus)**

[Role of the allergic factor in the development of pathological nervous system changes in occupational diseases due to antibiotic (penicillin and streptomycin) exposure] Gersimova MM. **Gig Tr Prof Zabol** 1981 Aug;(8):23–6 (Eng. Abstr.) **(Rus)**

[Mechanisms of the development of strophanthin hypersensitivity in experimental myocardial infarct and its pharmacological correction] Gendenshtein EI, et al. **Kardiologiia** 1982 Apr;22(4):65–9 (Eng. Abstr.) **(Rus)**

[Abdominal variant of drug-induced anaphylactic shock] Lopatin AS. **Ter Arkh** 1981;53(11):71–3 (Eng. Abstr.) **(Rus)**

[Allergic occupational dermatoses caused by drugs] Stoianov BG, et al. **Vestn Dermatol Venerol** 1981 Jun;(6):44–8 (Eng. Abstr.) **(Rus)**

[Hypersensitivity to the work place in the pharmacy industry] Spužić I, et al. **Glas Srp Akad Nauka [Med]** 1981; 326(34):137–42 (Eng. Abstr.) **(Scc)**

[Syndrome due to acetylsalicylic acid intolerance. What should be prescribed as substitutes for aspirin?] Alvarez Cuesta E, et al. **Allergol Immunopathol (Madr)** 1981 Jul–Aug;9(4):313–8 (Eng. Abstr.) **(Spa)**

[Purpura as a result of sensitization to 8-MOP in the course of PUVA therapy] Barrière H, et al. **Med Cutan Iber Lat Am** 1981;9(5):361–2 (Eng. Abstr.) **(Spa)**

[Frequency of sensitization to various allergens in patients having thrombophlebitis and/or varicose ulcers] Grimalt F, et al. **Med Cutan Iber Lat Am** 1981;9(6):415–8 (Eng. Abstr.) **(Spa)**

[Frequency of sensitization to various allergens in patients having thrombophlebitis and/or varicose ulcers] Romaguera G, et al. **Med Cutan Iber Lat Am** 1981; 9(6):419–22 (Eng. Abstr.) **(Spa)**

[Penicillin hypersensitivity] Järvinen KA. **Nord Med** 1981 Nov;96(11):277–9 **(Swe)**

HISTORY

[Origin and use of the term 'drug disease'] Severova EIa. **Sov Med** 1982;(5):113–5 **(Rus)**

IMMUNOLOGY

T lymphocytes mediate lymphadenopathy and autoimmunization in graft-versus host reactions and hypersensitivity to diphenylhydantoin. Gleichmann HI. **Agressologie** 1982 Jan;23(A):53–5

Hapten immunology and allergic reactions in humans. Parker CW. **Arthritis Rheum** 1981 Aug;24(8):1024–36

Immunological aspects of adverse reactions to althesin. Radford SG, et al. **Br J Anaesth** 1982 Aug;54(8):859–63

Antibody responses to impurities of penicillin in infants and rabbits. Ahlstedt S, et al. **Int Arch Allergy Appl Immunol** 1982 Mar;67(3):262–6

Experience with immunological tests in drug-induced hepatitis. Rotmensch HH, et al. **Z Gastroenterol** 1981 Nov; 19(11):691–7

[Hypersensitivity against vasopressin and the synthetic vasopressin-analog DDAVP] Flachsbarth F, et al. **MMW** 1982 May 14;124(19):485–6 **(Ger)**

[Applied allergology. 12. Allergic blood disorders: type II cytotoxic reactions] Ring J. **MMW** 1982 Jan 29; 124(4):78–82 **(Ger)**

[Immunological studies on the drug-induced allergic hepatitis (author's transl)] Mizoguchi Y. **Rinsho Byori** 1981 Dec; 29(12):1217–22 **(Jpn)**

[Use of the thymus preparation thymalin in suppurative-inflammatory processes with an allergic anamnesis] Shimchenko PIa, et al. **Stomatologiia (Mosk)** 1982 Mar-Apr;(2):35–6 (Eng. Abstr.) **(Rus)**

[Mechanism of antibiotic allergy] del Rey Calero J. **An R Acad Nac Med (Madr)** 1981;98(2):149–76 **(Spa)**

METABOLISM

[Age related alterations of motor behavior and release of dopaminergic supersensitivity in rats] Westermann KH, et al. **Acta Biol Med Ger** 1981;40(12):1737–43 (Eng. Abstr.) **(Ger)**

OCCURRENCE

Profile of stated drug allergies in hospitalized patients [letter] Hardin TC, et al. **Am J Hosp Pharm** 1981 Dec;38(12):1879

[Drug allergy in children] Patriarca G, et al. **Recenti Prog Med** 1982 Mar;72(3):371–8 (Eng. Abstr.) **(Ita)**

[Sensitivity of the skin of healthy persons to irritants] Czerwińska-Dihm I, et al. **Przegl Dermatol** 1981 May–Jun; 68(3):325–8 (Eng. Abstr.) **(Pol)**

[Hypersensitivity to the most common allergens in workers of the drug industry] Rudzki E, et al. **Przegl Dermatol** 1981 Jul–Aug;68(4):463–6 (Eng. Abstr.) **(Pol)**

[Frequency of sensitization to various allergens in patients having thrombophlebitis and/or varicose ulcers] Vilaplana J, et al. **Med Cutan Iber Lat Am** 1981;9(6):409–14 (Eng. Abstr.) **(Spa)**

PATHOLOGY

Drug related myocarditis. I. Hypersensitivity myocarditis. Fenoglio JJ Jr, et al. **Hum Pathol** 1981 Oct;12(10):900–7

[Propafenon-induced cholestatic liver injury--a further example for allergic drug hepatitis (author's transl)] Schuff-Werner P, et al. **Z Gastroenterol** 1981 Oct; 19(10):673–9 (Eng. Abstr.) **(Ger)**

[Toxicoallergic reaction to bismoverol] Anchupane IS, et al. **Vestn Dermatol Venerol** 1981 Nov;(11):63–4 (Eng. Abstr.) **(Rus)**

PHYSIOPATHOLOGY

Allergic reactions in man. Parker CW. **Pharmacol Rev** 1982 Mar;34(1):85–104 (135 ref.)

[Physiopathology of anaphylactic and anaphylactoid shock. A cooperative retrospective study] Pavek K, et al. **Fortschr Med** 1981 Dec 17;99(47–48):1994–9 (Eng. Abstr.) **(Ger)**

PREVENTION & CONTROL

[Methacholine hyperreactivity and DSCG treatment (author's transl)] Kano Y. **Arerugi** 1981 Apr;30(4):197–205 (Eng. Abstr.) **(Jpn)**

PSYCHOLOGY

[Prediction of the occurrence of occupational drug and allergic dermatoses based on psychological examination data] Voronovitskaia LA, et al. **Vestn Dermatol Venerol** 1981 Nov;(11):50–5 (Eng. Abstr.) **(Rus)**

THERAPY

Aspirin desensitization in aspirin-sensitive asthmatic patients: clinical manifestations and characterization of the refractory period. Pleskow WW, et al. **J Allergy Clin Immunol** 1982 Jan;69(1 Pt 1):11–9

Treatment of aspirin idiosyncracy [letter] Sebastino B, et al. **J Allergy Clin Immunol** 1982 Sep;70(3):222–3

Insulin allergy in a 19-month-old boy with newly diagnosed diabetes mellitus. Wishner KL, et al. **Pediatrics** 1982 Jul; 70(1):137–8

VETERINARY

[An 'unusual' reaction following parenteral administration of benzathine procaine penicillin in sows] **Tijdschr Diergeneeskd** 1982 Feb 1;107(3):97–8 **(Dut)**

DRUG IMPLANTS

Fluid pressure and fibrinolytic activity in implanted subcutaneous and intramuscular capsules. Matsuo O, et al. **Acta Physiol Lat Am** 1979;29(2–3):123–30

Epidural narcotic infusion reservoir: implantation technique and efficacy. Coombs DW, et al. **Anesthesiology** 1982 Jun; 56(6):469–73

The repair of osteochondral defects in osteoarthritic rabbit knees by the use of carbon fibre. Minns RJ, et al. **Biomaterials** 1982 Apr;3(2):81–6

Biomedical applications of plasma polymerization and plasma treatment of polymer surfaces. Yasuda H, et al. **Biomaterials** 1982 Apr;3(2):68–77 (21 ref.)

The role of the fibrous capsule in the function of implanted drug-polymer sustained release systems. Anderson JM, et al. **J Biomed Mater Res** 1981 Nov;15(6):889–902

Retard implantation tablets on a matrix base with Eudragit as a structural substance. Korsatko W. **Pharmazie** 1982 Apr; 37(4):272–3

DRUG INCOMPATIBILITY

[A contribution to the characterization of incompatibilities of drugs with polyethylene glycols and ethoxylated tensides (author's transl)] Voigt R, et al. **Pharmazie** 1982 Jan; 37(1):22–5 (Eng. Abstr.) **(Ger)**

[Pharmaceutic incompatibilities] Fickweiler E. **Z Arztl Fortbild (Jena)** 1981 Jun 1;75(11–12):544 **(Ger)**

DRUG INDUSTRY

Marketing drug information to corporations. Kimelblatt BJ, et al. **Am J Hosp Pharm** 1982 Feb;39(2):313–4

Disclosure of product information by manufacturers. Tse CS. **Am J Hosp Pharm** 1982 Apr;39(4):645–6

Access to generic drugs in the 1950s: the politics of a social problem. Facchinetti NJ, et al. **Am J Public Health** 1982 May;72(5):468–75

A wholesaler's look at pharmacy. Burckart WM. **Am Pharm** 1981 Nov;21(11):24–5

Wholesalers: adversaries or agents? Fay JT Jr. **Am Pharm** 1981 Nov;21(11):18–23

Pharmacy and wholesalers--partners in service. Mullan PA. **Am Pharm** 1981 Nov;21(11):26–9

Pharmaceutical wholesaling in Europe. Ritchie AR. **Am Pharm** 1981 Nov;21(11):30–2

The wholesaler effect in pharmacy management. Siecker BR. **Am Pharm** 1981 Nov;21(11):34–6

Adrenocortical suppression in workers employed in manufacturing synthetic glucocorticosteroids: solutions to a problem. Newton RW, et al. **Br J Ind Med** 1982 May; 39(2):179–82

Asthma in workers manufacturing cephalosporins. Coutts II, et al. **Br Med J [Clin Res]** 1981 Oct 10;283(6297):950

The medical adviser and general practitioner trials. Bax RP. **Bristol Med Chir J** 1980 Jan–Apr;95(353–354):3–5

Occupational contact sensitization to 2,6-dichloropurine. Rycroft RJ. **Contact Dermatitis** 1981 May;7(3):162–3

Occupational contact sensitization to 2,6-dichloropurine. Rycroft RJ. **Contact Dermatitis** 1981 Nov;7(6):349–50

Liaison with industry in the provision of essential information for the management of poisoning. II. Goulding R. **Dev Toxicol Environ Sci** 1980;8:397–400

Liaison with industry in the provision of essential information for the management of poisoning. Spooner JB. **Dev Toxicol Environ Sci** 1980;8:479–87

Industry's response to the drug regulation system. Stetler CJ. **Drug Intell Clin Pharm** 1981 Oct;15(10):799–800

Immunotoxicology in the pharmaceutical industry. Norbury KC. **Environ Health Perspect** 1982 Feb;43:53–9

Drug development in India. Bajaj JS. **Indian J Physiol Pharmacol** 1981 Apr–Jun;25(2):95–104

Slide retrieval systems--a pharmaceutical industry approach. Cockburn N. **J Audiov Media Med** 1982 Jan;5(1):27–9

An evaluation of the routes of bacterial contamination occurring during aseptic pharmaceutical manufacturing. Whyte W, et al. **J Parenter Sci Technol** 1982 May–Jun; 36(3):102–7

Seminars for physicians [letter] Rochmis PG. **JAMA** 1982 Oct 1;248(13):1580–1

Pharmaceuticals in Bangladesh [letter] Hasan M, et al. **Lancet** 1981 Oct 10;2(8250):813

First report of clinical manifestations with suspected immune pathogenesis caused by bromo-acetamide-2-chloro-5-benzophenone (BCB). Briatico-Vangosa G, et al. **Med Lav** 1981 May–Jun; 72(3):228–30

Diethylstilbestrol-medicolegal chronology. Weitzner K, et al. **Med Trial Tech Q** 1981 Fall;28(2):145–70

Alleged direct promotion of prescription drugs to consumers [letter] O'Brien WM. **N Engl J Med** 1982 Jan 21; 306(3):181–2

Drug promotion. FDA steps in [news] Budiansky S. **Nature** 1982 Aug 26;298(5877):784–5

The pharmaceutical industry [letter] Bartley JR. **NZ Med J** 1981 Dec 9;94(697):431–2

The pharmaceutical industry [letter] Burrell CD. **NZ Med J** 1981 Aug 12;94(689):111–3

The position of the pharmaceutical industry in the development of drugs for pediatric use. Christensen CN. **Pediatr Pharmacol (New York)** 1980;1(1):15–9

DDE residues in young wood ducks (Aix sponsa) near a former DDT manufacturing plant. Fleming WJ, et al. **Pestic Monit J** 1981 Mar;14(4):115–8

The microbiological production of pharmaceuticals. Aharonowitz Y, et al. **Sci Am** 1981 Sep;245(3):140–52

Statistical malpractice in drug promotion: a case-study from Brazil. Victora CG. **Soc Sci Med** 1982;16(6):707–9

[Industrial 'Pharmacosurveillance' of drugs--Due to an experience (author's transl)] Demarez JP, et al. **Therapie** 1981 May–Jun;36(3):395–9 (Eng. Abstr.) **(Fre)**

[Establishment of a health standard for the rifampicin content in the air of manufacturing premises] Balabanova EL, et al. **Gig Tr Prof Zabol** 1981 Nov;(11):52–4 **(Rus)**

[Role of the allergic factor in the development of pathological nervous system changes in occupational diseases due to antibiotic (penicillin and streptomycin) exposure] Gersimova MM. **Gig Tr Prof Zabol** 1981 Aug;(8):23–6 (Eng. Abstr.) **(Rus)**

[Allergy in persons in contact with drug preparations during manufacture] Korochkin IM, et al. **Sov Med** 1982;(2):39–42 (Eng. Abstr.) **(Rus)**

[Latent candidiasis of the oral cavity in antibiotic manufacture workers] Kochetkova MG, et al. **Stomatologiia (Mosk)** 1981;60(4):20–1 (Eng. Abstr.) **(Rus)**

[Mental disorders in occupational diseases induced by exposure to antibiotics (penicillin, streptomycin)] Smirnov

VK, et al. **Zh Nevropatol Psikhiatr** 1982;82(2):245–8 **(Rus)**

[Hypersensitivity to the work place in the pharmacy industry] Spužić I, et al. **Glas Srp Akad Nauka [Med]** 1981; 326(34):137–42 (Eng. Abstr.) **(Sec)**

[What do physicians do about the much criticized drug industry?] Haeger K. **Nord Med** 1981 Oct;96(10):260–1 **(Swe)**

ECONOMICS

Generic prescribing and the drug industry [editorial] **Br Med J [Clin Res]** 1982 Mar 27;284(6320):919

Will all new drugs become orphans? Lasagna L. **Clin Pharmacol Ther** 1982 Mar;31(3):285–9

Medical drugs of limited commercial interest: profit alone is a bitter pill. Asbury CH. **Int J Health Serv** 1981; 11(3):451–62

The Bangladesh drug market [letter] Chowdhury Z. **Lancet** 1981 Nov 7;2(8254):1049

HISTORY

A glimpse into Roche research: antiparkinson treatment. Klingler M. **Int J Clin Pharmacol Ther Toxicol** 1982 Apr; 20(4):190–3

The opening up of Africa. Slotow M. **S Afr Med J** 1981 Oct 3;60(14):557–8

STANDARDS

The parenteral drug industry: recent findings. Fry EM. **J Parenter Sci Technol** 1982 Mar–Apr;36(2):55–8

Disinfectants as an aid for good manufacturing practice in the pharmaceutical industry. Wallhäusser KH. **J Pharm Belg** 1981 Sep–Oct;36(5):283–97

[Regulations for industrial establishments devoted to the manufacture of raw materials for compounding drugs and for laboratories or factories] **Salud Publica Mex** 1982 Mar–Apr;24(2):212–9 **(Spa)**

DRUG INFORMATION SERVICES

Comparative evaluation of clinical pharmacists and physicians in the management of medication-related telephone calls in family practice offices. Brown JM, et al. **Am J Hosp Pharm** 1982 Mar;39(3):437–43

Medication problems handled by a consumer-oriented drug information center. Conner CS, et al. **Am J Hosp Pharm** 1982 May;39(5):849–51

Content and retention evaluation of an audiovisual patient-education program on bronchodilators. Darr MS, et al. **Am J Hosp Pharm** 1981 May;38(5):672–5

Telephone management of drug-related problems in a family practice clinic. Erickson SH, et al. **Am J Hosp Pharm** 1982 Jan;39(1):101–4

Analysis of information provided by clinical pharmacists. Lipman AG, et al. **Am J Hosp Pharm** 1982 Jan;39(1):71–3

Update and correction on drug-information center directory [letter] Rosenberg JM. **Am J Hosp Pharm** 1982 Jul; 39(7):1157

Update on drug information centers in the United States. Rosenberg JM, et al. **Am J Hosp Pharm** 1981 Oct; 38(10):1522–4

Directory of pharmacist-operated drug information centers in the United States. Rosenberg JM, et al. **Am J Hosp Pharm** 1982 Jan;39(1):94–8

Hospital pharmacists as a source of drug information for physicians and nurses. Schweigert BF, et al. **Am J Hosp Pharm** 1982 Jan;39(1):74–7

Obtaining investigational drug information rapidly [letter] Triplett WC, et al. **Am J Hosp Pharm** 1982 Feb;39(2):227

Disclosure of product information by manufacturers. Tse CS. **Am J Hosp Pharm** 1982 Apr;39(4):645–6

Elderly: Drug education for providers. Reiss BS, et al. **Am Pharm** 1981 Nov;21(11):52–3

Development of the toxicological files in environmental chemicals data and information network (ECDIN). Penning W, et al. **Clin Toxicol** 1981 Oct;18(10):1169–81

Liaison with industry in the provision of essential information for the management of poisoning. II. Goulding R. **Dev Toxicol Environ Sci** 1980;8:397–400

Liaison with industry in the provision of essential information for the management of poisoning. Spooner JB. **Dev Toxicol Environ Sci** 1980;8:479–87

Drug information service fosters rational drug use by consumers. Gumpert NF, et al. **Hospitals** 1981 Sep 1; 55(17):69

Patient information and education. A statement by the National Council on Drugs. **J Indiana State Med Assoc** 1982 Jun;75(6):380–1

Summary of new drugs marketed in USA in 1980. **J Med Soc NJ** 1981 Jul;78(7):544–7

An interactive clinical data system. Keller WA, et al. **J Med Syst** 1982 Feb;6(1):13–22

Toward reducing the ambiguity of adverse drug reactions: a computerized system. McCarron MM. **J Med Syst** 1982 Feb;6(1):23–39

Prescribing in general practice and the provision of drug information. Hamley JG, et al. **J R Coll Gen Pract** 1981 Nov;31(232):654–60

A survey of patients' receipt of prescription drug information. Morris LA. **Med Care** 1982 Jun;20(6):596–605

Rapid on-line drug information system for intensive care units. Weintraub WS, et al. **Mt Sinai J Med (NY)** 1981 Jul–Aug;48(4):315–21

Minimizing the menace of OTC drugs. Tabor M. **Occup Health Saf** 1982 May;51(5):14–9

Dentists' preferred sources of new drug information and their attitudes toward the use of drugs by patients. Murray BP. **Soc Sci Med [a]** 1981 Dec;15A(6):781–8

Illinois Animal Toxicology Hotline: a system for monitoring environmental contamination. Buck WB. **Vet Hum Toxicol** 1981 Apr;23(2):81–3

[Information in pharmacotherapy] Ivančová-Barčáková J. **Cas Lek Cesk** 1982 Feb 26;121(8):245–6 **(Cze)**

[Interrelationship between library and pharmaceutical information] Lozinskaia SS. **Sov Zdravookhr** 1981;(12):24–6 (Eng. Abstr.) **(Rus)**

ECONOMICS

Cost comparison of searching the Iowa Drug Information Service index manually and by computer. Cornell JA, et al. **Am J Hosp Pharm** 1981 May;38(5):680–4

Marketing drug information to corporations. Kimelblatt BJ, et al. **Am J Hosp Pharm** 1982 Feb;39(2):313–4

ORGANIZATION & ADMINISTRATION

Drug information network in the United Kingdom National Health Service. Calder G, et al. **Am J Hosp Pharm** 1981 May;38(5):663–6

Hiring drug information personnel. Hatfield SM, et al. **Am J Hosp Pharm** 1982 Feb;39(2):288–91

A simple and effective drug information system for general practitioners. Biersteker E, et al. **Practitioner** 1982 Apr; 226(1366):605–6

[Experience with the organization of drug information in Hungary (author's transl)] Zalai K, et al. **Pharmazie** 1981 Jun;36(6):438–9 **(Ger)**

STANDARDS

Evaluating performance in writing drug information consultations. Evens RP, et al. **Am J Hosp Pharm** 1982 May;39(5):810–4

Drug information services activity, 1961–1979: a citation analysis. Pearson RE. **Drug Intell Clin Pharm** 1981 Apr; 15(4):272–7

An evaluation of 'Inpharma', a drug literature abstracting service. Milne A. **J Clin Hosp Pharm** 1981 Sep;6(3):189–93

UTILIZATION

Requests for drug information in a university hospital medicine clinic. Babington MA, et al. **Am J Hosp Pharm** 1982 Jan;39(1):127–8

DRUG INSURANCE see **INSURANCE, PHARMACEUTICAL SERVICES**

DRUG INTERACTIONS

Mixtures and compatibilities in total parenteral nutrition solutions. Earnshaw M. **Acta Chir Scand [Suppl]** 1981; 507:364–70

Criteria for analyzing interactions between biologically active agents. Berenbaum MC. **Adv Cancer Res** 1981;35:269–335 (123 ref.)

Evaluation of a computerized drug interaction screening system. Greenlaw CW. **Am J Hosp Pharm** 1981 Apr; 38(4):517–21

Cost of computerized drug interaction screening system. Greenlaw CW. **Am J Hosp Pharm** 1981 Apr;38(4):521–4

The potential for drug interactions. Karas S Jr. **Ann Emerg Med** 1981 Dec;10(12):627–30

Major drug interactions: effect of liver disease, alcohol, and malnutrition. Hoyumpa AM Jr, et al. **Annu Rev Med** 1982; 33:113–49 (271 ref.)

Drug interaction with estrogen receptors for the control of breast neoplasia (review). Leclercq G, et al. **Anticancer Res** 1981;1(4):217–28 (94 ref.)

General models for the joint action of mixtures of drugs. Ashford JR. **Biometrics** 1981 Sep;37(3):457–74

Cimetidine and drug metabolism [letter] Bauman JH, et al. **Can Med Assoc J** 1982 Aug 1;127(3):199

Digitalis toxicity mistaken for jaundice. Dickstein ES. **Geriatrics** 1982 Apr;37(4):133, 137–8

Drug interactions in the elderly. Hall MR. **Gerontology** 1982; 28 Suppl 1:18–24

Prescribing habits and potential adverse drug interactions in a geriatric medical service. Scott PJ, et al. **Health Bull (Edinb)** 1982 Jan;40(1):5–9

Kinetics of drug displacement interactions. Aarons LJ, et al. **J Pharmacokinet Biopharm** 1981 Apr;9(2):181–90

Drug interactions: a study and evaluation of their incidence in Victoria. Paulet N, et al. **Med J Aust** 1982 Jan 23; 1(2):80–1

Drug interactions: incidence in Victoria [letter] Plumridge RJ. **Med J Aust** 1982 May 1;1(9):371

Drug interactions and drug reactions. Smith RB. **Otolaryngol Clin North Am** 1981 Aug;14(3):615–29 (36 ref.)

Kinetics of drug–drug interactions. Aarons L. **Pharmacol Ther** 1981;14(3):321–44 (112 ref.)

Drug interactions occurring during absorption from the gastrointestinal tract. Griffin JP. **Pharmacol Ther** 1981; 15(1):79–88 (55 ref.)

Drug interactions at excretory mechanisms. Offerhaus L. **Pharmacol Ther** 1981;15(1):69–78 (64 ref.)

Drug interactions without anguish: A simplified framework. Deglin JM, et al. **Postgrad Med** 1982 Aug;72(2):199–205

Drug-induced changes in the biologic distribution of radiopharmaceuticals. Hladik WB 3d, et al. **Semin Nucl Med** 1982 Apr;12(2):184–218 (302 ref.)

Pharmacists' knowledge in the area of alcohol, and alcohol and drug interactions. Barnes GE, et al. **Soc Sci Med [a]** 1981 Sep;15(5):649–57

Drug prescribing for the elderly. Ouslander JG. **West J Med** 1981 Dec;135(6):455–62 (64 ref.)

[Drug interference. Hepatic consequences] Girard D, et al. **Med Chir Dig** 1981;10(4):337–8 **(Fre)**

[Drug interactions between cardiac and circulatory drugs. Cardiac glycosides, anti-arrhythmia agents, sympathomimetics] Estler CJ. **Fortschr Med** 1981 Sep 3; 99(33):1285–95 **(Ger)**

[Drug effects] Kellner H. **MMW** 1982 Jan 15;124(2):82–4 **(Ger)**

[Contraindications, side-effects and interactions of various groups of drugs] Fischer AR. **Ther Ggw** 1982 May; 121(5):325–33 **(Ger)**

[Degrees of severity of drug interactions] Hambsch K. **Z Arztl Fortbild (Jena)** 1981 Jun 1;75(11–12):545 **(Ger)**

[Introduction to the discussion theme drug interactions] Ludewig R. **Z Arztl Fortbild (Jena)** 1981 Jun 1; 75(11–12):540–4 **(Ger)**

[Drug interactions. Causes and the possibility of their prevention] Remmer H. **ZFA (Stuttgart)** 1981 Nov 30; 57(33):2277–90 **(Ger)**

[Interactions between contraceptive pills and other drugs] Nir I, et al. **Harefuah** 1981 Jun 15;100(12):590–1 **(Heb)**

[Undesirable effects of drug interactions in everyday practice. Part I] **Pol Tyg Lek** 1981 Aug 31;36(35):1353–6 **(Pol)**

[Undesirable effects of drug interaction in everyday medical practice. Round-table conference II] **Pol Tyg Lek** 1981 Sep 7;36(36):1391–6 **(Pol)**

[Main drug interactions in anesthesiology. 1. Volatile inhalatory anesthetic agents (author's transl)] Valdivieso E, et al. **Rev Esp Anestesiol Reanim** 1982 Jan;29(1):44–7 (32 ref.) (Eng. Abstr.) **(Spa)**

DRUG LABELING

Color-keyed patient medication counseling system. Abel SR, et al. **Am J Hosp Pharm** 1981 May;38(5):704–5

Consumer reactions to the tone of written drug information. Morris LA, et al. **Am J Hosp Pharm** 1981 May;38(5):667–71

Federal rules on tartrazine labeling [letter] Schneiweiss F. **Am J Hosp Pharm** 1981 Sep;38(9):1278

Labeling for children—an unresolved problem. Lewis BP Jr. **Am Pharm** 1982 Jun;22(6):48–51

Public judgments of information in a diazepam patient package insert. Fisher S, et al. **Arch Gen Psychiatry** 1982 Jun;39(6):707–11

Drug use, the package insert, and the practice of medicine [editorial] Roth SH. **Arch Intern Med** 1982 May; 142(5):871–2

Preparing a leaflet for patient education [letter] Dickinson R. **Br Med J [Clin Res]** 1982 May 8;284(6326):1403

Reactions to acetylsalicylic acid. Aaron TH, et al. **Can Med Assoc J** 1982 Mar 15;126(6):609–11

Improvements in drug prescription labels for patients with limited education or vision. Eustace CA, et al. **Can Med Assoc J** 1982 Aug 15;127(4):301–2

PPIs: community pharmacists' compliance. Kaczmarek ER, et al. **Drug Intell Clin Pharm** 1981 Feb;15(2):117–9

Patient package inserts: goals versus achievements. Lasagna L. **Drug Ther** 1982;:181–9

Patient package inserts: a research perspective. Morris LA, et al. **Drug Ther** 1982;:191–217

Compliance with drug therapy by epileptic patients. Pryse-Phillips W, et al. **Epilepsia** 1982 Jun;23(3):269–74

Bendectin PPI available. **FDA Drug Bull** 1982 Apr;12(1):6

Use of approved drugs for unlabeled indications. **FDA Drug Bull** 1982 Apr;12(1):4–5

Potential misrepresentation of 3,4-methylenedioxyamphetamine (MDA). A toxicological warning. Shulgin AT, et al. **J Anal Toxicol** 1982 Mar–Apr; 6(2):71–5

Patient package insert requirements. Statement of the American Society of Internal Medicine. **J Indiana State Med Assoc** 1982 Feb;75(2):126–7

Relief of upper respiratory symptoms by aspirin [letter] Ruedisueli GS. **J Pediatr** 1981 Oct;99(4):665

Nitrates, package inserts, and the Food and Drug Administration. A clinical paradox. Abrams J. **JAMA** 1981 Oct 2;246(14):1557–8

Kickoff for AMA's new PMI program [news] Gunby P. **JAMA** 1982 Sep 3;248(9):1031–2

Knowledge, attitude, and compliance dimensions of antibiotic therapy with PPIs: A community pharmacy-based study. Gotsch AR, et al. **Med Care** 1982 Jun;20(6):581–95

Plea for clear labelling [letter] Raffen B. **Med J Aust** 1981 Dec 12–26;2(12–13):645–6

The diabetic's understanding of the purified insulin's patient package insert. Fluitt DM, et al. **Milit Med** 1982 Mar; 147(3):208–10

Patient package inserts: dogma and data. **Psychopharmacol Bull** 1981 Jul;17(3):173–4

Update on imprinting. Robertson WO, et al. **Vet Hum Toxicol** 1981;23(Suppl 1):30

[Risks in the delivery of drugs from the point of manufacture to the patient. I. Risks in manufacturing and compounding] Samková M, et al. **Cesk Farm** 1981 Dec;30(10):349–54 (Eng. Abstr.) **(Cze)**

[Doxycycline, tablets or capsules? (letter)] van Royen-Versluis A. **Ned Tijdschr Geneeskd** 1982 May 15; 126(20):921–2 **(Dut)**

METHODS

Color-coded prescription labeling [letter] Ow-Wing SD, et al. **Am J Hosp Pharm** 1981 May;38(5):628

Rand Corporation issues PPI study findings. Mullan PA. **Am Pharm** 1981 Oct;21(10):36

Plea for clear labelling: amoxycillin prescribing information [letter] Kot T, et al. **Med J Aust** 1982 May 29;1(11):482–3

[Is the removal of foreign words from drug package slips advantageous? Results of an empirical test (author's transl)] Lehrl S, et al. MMW 1982 Jun 11;124(23):565–8 (Eng. Abstr.) **(Ger)**

STANDARDS

The pride and perfection of the prescription label. Kimminau MD, et al. **Am Pharm** 1981 Sep;21(9):46–9

FDA proposes that patient package insert program be rescinded. **Hospitals** 1982 Feb 16;56(4):84

Law-medicine notes. Package inserts for patients: informed consent in the 1980s. Curran WJ. **N Engl J Med** 1981 Dec 24;305(26):1564–6

Who's in charge here? OSHA's/OMB's labeling standard. Schechter D. **Occup Health Saf** 1982 May;51(5):21–5

The selection and protection of international nonproprietary names for pharmaceutical substances. Wehrli A. **WHO Chron** 1981;35(5):172–5

DRUG LAWS see **LEGISLATION, DRUG**

DRUG PACKAGING

Studies on in-use microbial contamination of irrigation solutions in new packages. Olson OT, et al. **Acta Pharm Suec** 1982;19(2):143–6

Alcohol spray versus wipes in disinfecting vial diaphragms. Armour NK, et al. **Am J Hosp Pharm** 1982 Jan;39(1):123

Sterility and use patterns of multiple-dose vials. Bawden JC, et al. **Am J Hosp Pharm** 1982 Feb;39(2):294–7

Stability and compatibility of antitumor agents in glass and plastic containers. Benvenuto JA, et al. **Am J Hosp Pharm** 1981 Dec;38(12):1914–8

Interactions between drugs and polyvinyl chloride infusion bags. Kowaluk EA, et al. **Am J Hosp Pharm** 1981 Sep; 38(9):1308–14

Effects of packaging and storage on the dissolution of model prednisone tablets. Taborsky-Urdinola CJ, et al. **Am J Hosp Pharm** 1981 Sep;38(9):1322–7

Super Glue mistaken for pilocarpine [letter] Berger R. **Am J Ophthalmol** 1982 Aug;94(2):267

Ophthalmic drugs with similar packaging [letter] Katz NN, et al. **Am J Ophthalmol** 1982 Feb;93(2):253–4

Hazards of similar packaging [letter] Marmor M. **Am J Ophthalmol** 1982 Aug;94(2):264–5

Glass fragments in thiopentone sodium solution [letter] Purdie HR, et al. **Anaesthesia** 1982 Jan;37(1):101–2

Life-threatening similarity in drug packaging [letter] Ikeda S, et al. **Anesthesiology** 1982 Jun;56(6):489–91

Stability of packaged solid dosage forms. IV. Shelf-life prediction of packaged aspirin aluminum tablets under the influence of moisture and heat. Nakabayashi K, et al. **Chem Pharm Bull (Tokyo)** 1981 Jul;29(7):2027–34

Stability of packaged solid dosage forms. VI. Shelf-life prediction of packaged prednisolone tablets in relation to dissolution properties. Nakabayashi K, et al. **Chem Pharm Bull (Tokyo)** 1981 Jul;29(7):2057–61

Stability of packaged solid dosage forms. V. Prediction of the effect of aging on the disintegration of packaged tablets influenced by moisture and heat. Nakabayashi K, et al. **Chem Pharm Bull (Tokyo)** 1981 Jul;29(7):2051–6

Effects of packaging and appearance on childhood poisoning. Vacor rat poison. Schum TR, et al. **Clin Pediatr (Phila)** 1982 May;21(5):282–5

Child-resistant containers now. **Drug Ther Bull** 1982 Mar 5;20(5):17–8

Impacted blister packages [letter] Ito Y, et al. **Gastrointest Endosc** 1981 Aug;27(3):202

The reconstitution of powders for injection with gamma-irradiated water. Jacobs GP, et al. **Int J Appl Radiat Isot** 1981 Mar;32(3):180–1

Growth of nosocomial pathogens in multiple-dose parenteral medication vials. Highsmith AK, et al. **J Clin Microbiol** 1982 Jun;15(6):1024–8

Steam sterilization of rubber closures in sealed nylon bags. Butler LD, et al. **J Parenter Sci Technol** 1982 May-Jun; 36(3):99–101

The application of gas chromatography/mass spectrometry to the analysis of pharmaceutical packaging materials. Kiang PH. **J Parenter Sci Technol** 1981 Jul-Aug; 35(4):152–61

Extraction of soluble aluminum from chlorobutyl rubber closures. Milano EA, et al. **J Parenter Sci Technol** 1982 May-Jun;36(3):116–20

New concepts in the manufacturing and sterilization of LVP's in plastic bottles. Uotila JA, et al. **J Parenter Sci Technol** 1981 Jul-Aug;35(4):170–5

Settling and impaction of particles into containers in manufacturing pharmacies. Whyte W. **J Parenter Sci Technol** 1981 Sep-Oct;35(5):255–61

Adsorption of insulin to the polyvinyl chloride surface of CAPD solution containers. Amidon G, et al. **Proc Clin Dial Transplant Forum** 1980;10:296–8

The MD and DVM and PPPA [letter] Poth RG. **Vet Hum Toxicol** 1982 Feb;24(1):11

Poison prevention packaging enforcement program: Washington State findings. Schaumberger S, et al. **Vet Hum Toxicol** 1981;23(Suppl 1):15–6

[Studies on the reaction of plastics with drug solutions. Part 3: The effects of the pigment content and of the colouring techniques (author's transl)] Eichhorn M, et al. **Pharmazie** 1981 Jun;36(6):413–5 (Eng. Abstr.) **(Ger)**

[Selective membrane electrode for the determination of ammonia released from rubber caps of containers for parenteral solutions (author's transl)] Kovács P, et al. **Pharmazie** 1982 Mar;37(3):187–9 (Eng. Abstr.) **(Ger)**

[The effect of the gas permeability of plastics on the stability of thiomersal. Part 49: Contributions to problems concerning the use of plastic receptacles for liquid pharmaceuticals (author's transl)] Pohloudek-Fabini R, et al. **Pharmazie** 1981 Oct;36(10):683–5 (Eng. Abstr.) **(Ger)**

[Stability and stabilization of epinephrine eye drops. 13. Stability of drugs and preparations; 82. Problems of filling plastic drug containers with fluid drugs] Raether G, et al. **Pharmazie** 1982 May;37(5):382–3 **(Ger)**

[On the stability of homoeopathic dilutions in glass and plastic containers (author's transl)] Röder E, et al. **Pharmazie** 1981 Sep;36(9):615–9 (Eng. Abstr.) **(Ger)**

[Sorption of benzalkonium chloride and chlorohexidine acetate by plastic and glass containers of drugs] Kovács P, et al. **Acta Pharm Hung** 1981;51(5):228–35 (Eng. Abstr.) **(Hun)**

[Findings on the microbiological characteristics of pharmaceutical containers] Negretti F. **Boll Chim Farm** 1981 Apr;120(4):193–201 (Eng. Abstr.) **(Ita)**

[Wavelength dependency of the photodegradation of nifedipine tablets (author's transl)] Sugimoto I, et al. **Yakugaku Zasshi** 1981 Dec;101(12):1149–53 (Eng. Abstr.) **(Jpn)**

METHODS

Child-resistant containers for drugs. Chambers TL. **Arch Dis Child** 1981 Oct;56(10):739–40

An ergonomics evaluation of a reclosable pharmaceutical container with special reference to the elderly. Page M. **Ergonomics** 1981 Nov;24(11):847–62

STANDARDS

Similar packaging of ophthalmic drugs [letter] Partamian L, et al. **Am J Ophthalmol** 1981 Oct;92(4):586

Visual ampul inspection by experienced and non-experienced inspectors. Baldwin HJ, et al. **J Parenter Sci Technol** 1981 Jul-Aug;35(4):148–51

Integrity testing of vial closure systems used for parenteral products. Frieben WR, et al. **J Parenter Sci Technol** 1982 May-Jun;36(3):112–6

Child-resistant containers a 'must' in drug-dispensing [news] Gunby P. **JAMA** 1982 Oct 1;248(13):1555

An evaluation of the Poison Prevention Packaging Act. Walton WW. **Pediatrics** 1982 Mar;69(3):363–70

Manufacture, sale of look-alike drugs now banned here. **Penn Med** 1982 May;85(5):18

[Child-resistant drug packaging] Butenandt O. **Fortschr Med** 1981 Sep 17;99(35):1373–4 **(Ger)**

[Tests for design of capsules of 60Co and 192Ir as special form radioactive material (author's transl)] Sarashina S, et al. **Radioisotopes** 1981 Jun;30(6):348–51 **(Jpn)**

DRUG POTENTIATION see **DRUG SYNERGISM**

DRUG RECEPTORS see **RECEPTORS, DRUG**

DRUG RESISTANCE

Resistance to the cytocidal effects of adriamycin is an early phenotypic change induced during hepatocarcinogenesis. Carr BI, et al. **Br J Cancer** 1981 Oct;44(4):567–71

Specific resistance to 8-azaguanine in cells with normal hypoxanthine phosphoribosyltransferase (HPRT) activity: the role of guanine deaminase. Meyers MB, et al. **Cytogenet Cell Genet** 1981;30(2):118–28

Co-dominant markers for the selection of somatic dihybrids and polyhybrids. Celotti L, et al. **Exp Cell Res** 1981 Oct; 135(2):438–41

Third-chromosome mutagen-sensitive mutants of Drosophila melanogaster. Boyd JB, et al. **Genetics** 1981 Mar-Apr; 97(3–4):607–23

Polymorphism at the ref(2)P locus in Drosophila melanogaster: preliminary experiments concerning the selection mechanisms involved in its maintenance. Fleuriet A. **Genetics** 1981 Feb;97(2):415–28

Cellular mutations and drug resistance probed by herpes simplex virus. Campisi J, et al. **J Cell Physiol** 1981 Dec; 109(3):469–80

Drosophila melanogaster populations selected for resistance to NaCl and CuSo4 in both allopatry and sympatry. Wallace B. **J Hered** 1982 Jan-Feb;73(1):35–42

Selection in HAT medium is not a reliable method for the study of reversion from 6-thioguanine resistance to sensitivity. Bonatti S, et al. **Mutat Res** 1982 Jul; 104(6):377–81

Induction of 6-thioguanine-resistant mutations by rat-liver homogenate (S9)-activated promutagens in human embryonic skin fibroblasts. Chen DJ, et al. **Mutat Res** 1982 Mar;101(1):87–98

Podophyllotoxin resistance: a codominant selection system for quantitative mutagenesis studies in mammalian cells. Gupta RS. **Mutat Res** 1981 Sep;83(2):261–70

Relation between the somatic toxicity of dimethylnitrosamine and a genetically determined variation in the level and induction of cytochrome P450 in Drosophila melanogaster. Hällström I, et al. **Mutat Res** 1982 Feb 22;92(1–2):161–8

Induction of 6-thioguanine resistance in synchronized human fibroblast cells treated with methyl methanesulfonate, N-acetoxy-2-acetylaminofluorene and N-methyl-N'-nitro-N-nitrosoguanidine. Huang SL, et al. **Mutat Res** 1981 Sep;83(2):251–60

Genetic analysis of X-linked mutagen-sensitive mutants of Drosophila melanogaster. Mason JM, et al. **Mutat Res** 1981 May;81(3):329–43

Dose-rate effects of gamma-ray-induced mutations in cultured mammalian cells. Nakamura N, et al. **Mutat Res** 1981 Aug;83(1):127–35

Isolation and preliminary characterization of 9-beta-d-arabinofuranosyladenine-resistant mutants of baby hamster cells. Chan VL, et al. **Somatic Cell Genet** 1981 Mar;7(2):147–60

Isolation and characterization of a UV-sensitive hypermutable aphidicolin-resistant Chinese hamster cell line. Chang CC, et al. **Somatic Cell Genet** 1981 Mar; 7(2):235–53

A mutant of Chinese hamster ovary cells resistant to alpha-methyl- and alpha-difluoromethylornithine. Choi J, et al. **Somatic Cell Genet** 1981 Mar;7(2):219–33

Evidence that Benzo(a) pyrene-resistant, aryl hydrocarbon hydroxylase-deficient variants of mouse hepatoma line, Hepa-1, are mutational in origin. Hankinson O. **Somatic Cell Genet** 1981 Jul;7(4):373–88

Selection of aphidicolin-resistant CHO cells with altered levels of ribonucleotide reductase. Sabourin CL, et al. **Somatic Cell Genet** 1981 Mar;7(2):255–68

Phenotypic drug resistance in mammalian cells in vitro. Verschure PC, et al. **Somatic Cell Genet** 1982 May; 8(3):307–17

Resistance of disease vectors to pesticides: present status. **WHO Chron** 1981;35(4):143–8

[Studies into dependence of sensitivity of cytostatics on overlap index of ovarian cancer in cell cultures (author's transl)] Schindler C. **Zentralbl Gynakol** 1982;104(3):156–9 (Eng. Abstr.) **(Ger)**

DRUG RESISTANCE, MICROBIAL

see related
MICROBIAL SENSITIVITY TESTS

Antimicrobial resistance [letter] Stover BH. **Am J Nurs** 1982 Feb;82(2):244

Vaginal colonization with resistant aerobic bacteria after antibiotic therapy for endometritis. Gibbs RS, et al. **Am J Obstet Gynecol** 1982 Jan 15;142(2):130–4

Beta-lactamase inhibitors. New hope against resistant organisms. Marwick CS. **Am Pharm** 1982 Jan;22(1):48–9

Multiply antibiotic-resistant Staphylococcus aureus: introduction, transmission, and evolution of nosocomial infection. Locksley RM, et al. **Ann Intern Med** 1982 Sep; 97(3):317–24

Mechanisms of resistance to beta-lactam antibiotics in strains of Staphylococcus aureus. Sabath LD. **Ann Intern Med** 1982 Sep;97(3):339–44

Mixed cultures of Staphylococcus aureus: some observations concerning transfer of anitbiotic resistance. Fouace J. **Ann Microbiol (Paris)** 1981 Nov-Dec;132 B(3):375–86

Role of the membrane potential in bacterial resistance to aminoglycoside antibiotics. Damper PD, et al. **Antimicrob Agents Chemother** 1981 Dec;20(6):803–8

Bacteriophage-mediated acquisition of antibiotic resistance by Staphylococcus aureus type 88. Schaefler S. **Antimicrob Agents Chemother** 1982 Mar;21(3):460–7

Drug resistance among infantile enteropathogenic Escherichia coli strains isolated in the United Kingdom. Gross RJ, et al. **Br Med J [Clin Res]** 1982 Aug 14; 285(6340):472–3

Resistance of Listeria to cefotaxime and moxalactam [letter] Rotstein C, et al. **Can Med Assoc J** 1982 Aug 15;127(4):277

Transposons encoding trimethoprim or gentamicin resistance in medically important bacteria. Datta N, et al. **Cold Spring Harbor Symp Quant Biol** 1980;45 Pt 1:45–51

Antibiotic treatment of Haemophilus influenzae type B meningitis: the problem of bacterial resistance. Lorber J. **Dev Med Child Neurol** 1981 Aug;23(4):531–3

Cloning a promoter that puts the expression of tetracycline resistance under the control of the regulatory elements of the mer operon. Bohlander FA, et al. **Gene** 1981 Dec; 15(4):395–403

Unstable drug resistance in Staphylococcus aureus M4. Grubb WB, et al. **Genet Res** 1981 Dec;38(3):217–23

The isolation of mms- and histidine-sensitive mutants in Neurospora crassa. Delange AM, et al. **Genetics** 1981 Feb;

97(2):247–59

Transferable drug resistance in Proteus species. Desai B, et al. **Indian J Med Res** 1981 Aug;74:192–5

Antibiotic resistance of enterobacteria isolated from hospitalized diarrhoeal patients. Mutanda LN, et al. **Indian J Med Res** 1981 Jul;74:6–10

Microbial resistances: a predictive test for streptothricin antibiotics. Mehta RJ, et al. **J Antibiot (Tokyo)** 1981 Nov; 34(11):1501–3

Resistance in anaerobic bacteria. Based on a symposium held at the 12th International Congress of Chemotherapy Florence, 22 July 1981. **J Antimicrob Chemother** 1981 Dec; 8 Suppl D:1–132

Gentamicin-resistant Klebsiella aerogenes as a clinically-significant source of transferable antibiotic resistance. Casewell MW, et al. **J Antimicrob Chemother** 1981 Aug;8(2):153–60

Mechanisms of resistance to aminoglycosides in clinical isolates. Shannon K, et al. **J Antimicrob Chemother** 1982 Feb;9(2):91–102 (31 ref.)

Selecting drug combinations for treatment of drug-resistant mycobacterial diseases. Nash DR, et al. **J Clin Pharmacol** 1982 Jul;22(7):297–300

Urinary tract infection: a survey of the prevalent strains and their sensitivity. Khan FA, et al. **JPMA** 1981 Nov; 31(11):259–62

Microbial resistance to antibiotics. An evolving and persistent problem. Levy SB. **Lancet** 1982 Jul 10;2(8289):83–8

Antibiotic resistance. Grieco MH. **Med Clin North Am** 1982 Jan;66(1):25–37 (78 ref.)

Location of antibiotic resistance determinants, copy control, and replication functions on the double-selective streptococcal cloning vector pGB301. Behnke D, et al. **MGG** 1981;184(1):115–20

Misrepair mutagenesis in Myxococcus xanthus: induction of rifampicin-resistant mutants by N-methyl-N'-nitro-N-nitrosoguanidine and ultraviolet-irradiation. Herdrich K, et al. **MGG** 1981; 182(2):304–9

The control region for erythromycin resistance: free energy changes related to induction and mutation to constitutive expression. Horinouchi S, et al. **MGG** 1981;182(2):341–8

Expression of streptococcal plasmid-determined resistance to erythromycin and lincomycin in Escherichia coli. Malke H, et al. **MGG** 1981;184(2):283–5

Conditional lethal mutants of Bacillus subtilis dependent on kasugamycin for growth. Pai Y, et al. **MGG** 1981; 183(3):478–83

Altered transcriptional termination in a rifampicin-resistant mutant of Escherichia coli which inhibits the growth of bacteriophage T7. Schwarz TF, et al. **MGG** 1981; 183(1):181–6

Macrolide and aminoglycoside antibiotic resistance mutations in the bacillus subtilis ribosome resulting in temperature-sensitive sporulation. Sharrock RA, et al. **MGG** 1981;183(3):538–43

Isolation and preliminary characterization of mutants of the cyanobacterium Nostoc muscorum resistant to growth inhibition by methylamine. Singh RK, et al. **MGG** 1981; 184(2):334–6

Synergistic action of genetic and phenotypic suppression of nonsense mutations in yeast Saccharomyces cerevisiae. Surguchov AP, et al. **MGG** 1981;183(1):197–8

A yeast mutant specifically sensitive to bifunctional alkylation. Ruhland A, et al. **Mutat Res** 1981 Nov; 91(6):457–62

Perils of prophylaxis [editorial] Jacoby GA. **N Engl J Med** 1982 Jan 7;306(1):43–4

Direct stimulation of the transfer of antibiotic resistance by sex pheromones in Streptococcus faecalis. Dunny G, et al. **Plasmid** 1981 Nov;6(3):270–8

Closely related plasmids from Staphylococcus aureus and soil bacilli. Polak J, et al. **Plasmid** 1982 Mar;7(2):152–62

A host-dependent hybrid plasmid suitable as a suicidal carrier for transposable elements. Sato M, et al. **Plasmid** 1981 Nov; 6(3):325–31

Staphylococcal plasmids that replicate and express erythromycin resistance in both Streptococcus pneumoniae and Escherichia coli. Barany F, et al. **Proc Natl Acad Sci USA** 1982 May;79(9):2991–5

Effect of trimethoprim or trimethoprim/sulphamethoxazole usage on the emergence of trimethoprim resistance in urinary tract pathogens. Dornbusch K, et al. **Scand J Infect Dis** 1981;13(3):203–10

[Bacteria and their antibiograms (author's transl)] Overgoor GH. **Tijdschr Diergeneeskd** 1981 Sep 1;106(17):868–72 (Eng. Abstr.) **(Dut)**

[Bacterial resistance to antibiotics] Martin C, et al. **Ann Anesthesiol Fr** 1981;22(6):613–22 **(Fre)**

[Biochemistry, antibiotic resistance and colicinogeny of Shigella sonnei in Belgium 1977–1978] Chasseur-Libotte ML, et al. **Arch Belg Med Soc** 1981 Apr;39(4):234–40 (Eng. Abstr.) **(Fre)**

[Evolution of the intestinal flora in patients under preventive treatment with cephalosporins] Lucain C, et al. **Schweiz Med Wochenschr** 1982 Jun 5;112(23):817–23 (Eng. Abstr.) **(Fre)**

[Staphylococci in the hospital environment sensitivity to antibiotics] Ben Redjeb S, et al. **Tunis Med** 1981 Jul–Aug; 59(4):307–9 (Eng. Abstr.) **(Fre)**

[Is resistance to antibiotics changing? Development of resistance of Enterobactericeae from specimens 1977–1980] Cullmann W, et al. **Fortschr Med** 1982 Feb 18;100(7):260–4 (Eng. Abstr.) **(Ger)**

[What therapeutic possibilities exist in acute antibiotic-resistant and chronic infections] Seifert J, et al. **Fortschr Med** 1982 Apr 8;100(13):592–8 (Eng. Abstr.) **(Ger)**

[Changes in the drug resistance of bacteria from peripheral infections after 5 years] Pfeiffer KM, et al. **Handchirurgie** 1980;12(3–4):261–4 (Eng. Abstr.) **(Ger)**

[Wandering genes: fatal antibiotic resistance] Hobom B. **Med Klin [Klin]** 1982 Jan 1;77(1):2–6 **(Ger)**

[Wandering genes: fatal antibiotic-resistance] Hobom B. **Med Klin [Prax]** 1982 Jan 1;77(1):12–6 **(Ger)**

[Multicenter study on the status of antibiotic and chemotherapy resistance in Switzerland 1979] Vischer WA, et al. **Schweiz Med Wochenschr** 1982 Mar 20;112(12):404–10 (Eng. Abstr.) **(Ger)**

[The problem of the use of antibiotics in animal production and the appearance of antibiotic-resistant bacterial strains in man] Kolb E. **Z Gesamte Inn Med** 1981 Dec 15; 36(24):945–50 (40 ref.) (Eng. Abstr.) **(Ger)**

[Sensitivity of yeasts against 5 fluorocytosine. Comparison of five methods (author's transl)] Brinkmann F. **Z Hautkr** 1981 Oct 1;56(19):1255–63 (Eng. Abstr.) **(Ger)**

[Microbiological investigations with decentral dosing apparatuses for disinfectants. Part 2: Resistance-behaviour of isolated bacteria (author's transl)] Heinzel M, et al. **Zentralbl Bakteriol Mikrobiol Hyg [B]** 1982 Apr; 176(1):47–54 (Eng. Abstr.) **(Ger)**

[The production of enzymes inactivating various antibiotics obtained from Gram-negative bacteria recently isolated in the province of Chieti] Ravagnan G, et al. **Boll Soc Ital Biol Sper** 1981 Jun 30;57(12):1326–32 (Eng. Abstr.) **(Ita)**

[Evaluation of the antibacterial activity of the most commonly used disinfectants on multiresistant nosocomial bacterial strains] Bianchi P. **Clin Ter** 1981 Mar 15; 96(5):523–34 (Eng. Abstr.) **(Ita)**

[Transferable bacterial resistance and its clinico-therapeutic implications] Pauluzzi S. **Minerva Med** 1982 Apr 7; 73(15):889–94 **(Ita)**

[Change in bacterial flora and superinfection] Kobayasi A, et al. **Nippon Rinsho** 1981 Jun;39(6):2319–23 **(Jpn)**

[Appearance of drug resistant strains in major causative bacteria] Matsumoto F. **Nippon Rinsho** 1981 Jun; 39(6):2355–9 **(Jpn)**

[Mechanism of bacterial drug resistance] Mitsuhashi S, et al. **Nippon Rinsho** 1981 Jan;39(1):18–25 **(Jpn)**

[Mechanism of drug resistant strain of bacteria] Nakaya R. **Nippon Rinsho** 1981 Jun;39(6):2349–54 **(Jpn)**

[Agents against drug resisting bacteria] Yokota T. **Nippon Rinsho** 1981 Jun;39(6):2370–5 **(Jpn)**

[Enterotoxigenic properties and antibiotic resistance of enterobacteria in postirradiation dysbacteriosis] Korshunov VM, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1981 Nov; (11):36–41 **(Rus)**

[Effect of mutations imparting resistance to antibiotics having different mechanisms of action on the virulence of Shigella flexneri] Marakusha BI, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1981 Jul;(7):35–8 (Eng. Abstr.) **(Rus)**

[Use and abuse of antibiotics (editorial)] Rodríguez Lemoine V. **Acta Cient Venez** 1980;31(6):485–6 **(Spa)**

DRUG SCREENING

Preclinical toxicological testing and safeguards in clinical trials. Grahame-Smith DG. **Eur J Clin Pharmacol** 1982; 22(1):1–6

Factors in the evaluation of 200 National Cancer Institute carcinogen bioassays. Chu KC, et al. **J Toxicol Environ Health** 1981 Jul–Aug;8(1–2):251–80

NMR used to study drugs' toxic effects [news] Carswell H. **JAMA** 1982 Aug 20;248(7):814, 819

Search for alternatives to animal testing expands [news] Gunby P. **JAMA** 1981 Nov 6;246(18):2013–4

Teratogenicity tests and behavior [letter] Dobbing J. **Lancet** 1982 Sep 11;2(8298):604–5

Clonogenic assays for drug sensitivity of tumours [letter] Hill BT. **Lancet** 1982 Jun 12;1(8285):1364

Do teratogenicity tests serve their objectives? [letter] Larsson KS, et al. **Lancet** 1982 Aug 21;2(8295):439

Soft agar colony formation assay for chemotherapy sensitivity testing of human solid tumors. Lieber MM, et al. **Mayo Clin Proc** 1982 Aug;57(8):527–8

Carcinogen testing: current problems and new approaches. Weisburger JH, et al. **Science** 1981 Oct 23;214(4519):401–7

[Feasibility and limitations of MASCA models (multivariate structure-activity analysis in combination with multivariate bioassay] Mager PP, et al. **Pharm Unserer Zeit** 1981 Jul; 10(4):97–108 **(Ger)**

METHODS

Reliability of the rabbit pyrogen test and of the limulus test in predicting the pyrogenicity of vaccines in man. Nyerges G, et al. **Acta Med Acad Sci Hung** 1981;38(3):235–43

Clinical correlations with drug sensitivities in the clonogenic assay: a retrospective study. Mann BD, et al. **Arch Surg** 1982 Jan;117(1):33–6

The extraction and identification of drugs in aviation toxicology. Mayes RW. **Aviat Space Environ Med** 1982 Apr;53(4):332–5

Comparison of two soft-agar methods for assaying chemosensitivity of human tumours in vitro: malignant melanomas. Tveit KM, et al. **Br J Cancer** 1981 Oct; 44(4):539–44

Evaluation of drug phototoxicity by photosensitization of Trichophyton mentagrophytes. Horio T. **Br J Dermatol** 1981 Oct;105(4):365–70

A simple, rapid bioassay for detecting effects of pollutants on bacteria. Bauer NJ, et al. **Bull Environ Contam Toxicol** 1981 Nov;27(5):577–82

A short-term in vitro assay for promoter substances using human lymphoblastoid cells latently infected with Epstein-Barr virus. Ito Y, et al. **Cancer Lett** 1981 Jun; 13(1):29–37

Chemotherapy sensitivity assessment of leukemic colony-forming cells with in vitro simultaneous exposure to multiple drugs: clinical correlations in acute nonlymphocytic leukemia. Park CH, et al. **Cancer Treat Rep** 1982 Jun;66(6):1257–61

Limitations of metabolic activation systems used in short-term tests for carcinogens. Bigger CA, et al. **Dev Toxicol Environ Sci** 1980;8:171–4

Ecotoxicological profile analysis. VII. Screening chemicals for their environmental behavior by comparative evaluation. Freitag D, et al. **Ecotoxicol Environ Safety** 1982 Feb;6(1):60–81

Strain-dependent growth of a human carcinoma in nude mice with different genetic backgrounds: selection of nude mouse strains useful for anticancer agent screening system. Maruo K, et al. **Exp Cell Biol** 1982;50(2):115–9

Usefulness and limitations of various guinea-pig test methods in detecting human skin sensitizers-validation of guinea-pig tests for skin hypersensitivity. Marzulli F, et al. **Food Chem Toxicol** 1982 Feb;20(1):67–74

A simple technique to measure paw volume in anti-inflammatory studies. Ignatius JX, et al. **Indian J Physiol Pharmacol** 1981 Oct–Dec;25(4):361–4

Culture conditions for screening of new antibiotics. Iwai Y, et al. **J Antibiot (Tokyo)** 1982 Feb;35(2):123–41 (142 ref.)

Surface roughness and edge geometries in hemolysis with rotating disk flow. Monroe JM, et al. **J Biomed Mater Res** 1981 Nov;15(6):923–39

A quantitative microassay for in-vitro toxicity testing of biomaterials. Ulreich JB, et al. **J Biomed Mater Res** 1981 Nov;15(6):913–22

Toxicology and biocompatibility of bioglasses. Wilson J, et al. **J Biomed Mater Res** 1981 Nov;15(6):805–17

In vitro assay for phototoxic chemicals. Morison WL, et al. **J Invest Dermatol** 1982 Jun;78(6):460–3

The anesthetized guinea pig as a versatile pharmacological test object. Del Soldato P, et al. **J Pharmacol Methods** 1981 Jun;5(4):279–85

A simple method for screening monoamine oxidase (MAO) inhibitory drugs for type preference. Dorris RL. **J Pharmacol Methods** 1982 Mar;7(2):133–7

Human colorectal carcinoma: patterns of sensitivity to chemotherapeutic agents in the human tumor stem cell assay. Agrez MV, et al. **J Surg Oncol** 1982 Jul;20(3):187–91

The crown-gall potato disk bioassay as a primary screen for compounds with antitumor activity. Galsky AG, et al. **JNCI** 1981 Sep;67(3):689–92

Anticancer drugs: effect on the cloning of Raji lymphoma cells in soft agar. Wu PC, et al. **JNCI** 1982 Jan;68(1):115–21

Interpreting clonogenic assay results [letter] Makuch RW. **Lancet** 1982 Aug 21;2(8295):438

Sister chromatid exchange assays: pre-scanning of chemicals for subtoxic levels. Mitchell GA, et al. **Med Lab Sci** 1981 Mar;38(2):117–9

Bacterial systems for carcinogenicity testing. Mohn GR. **Mutat Res** 1981 Sep;87(2):191–210 (153 ref.)

Mutagenicity screening of crude drugs with Bacillus subtilis rec-assay and Salmonella/microsome reversion assay. Morimoto I, et al. **Mutat Res** 1982 Apr;97(2):81–102

Mammalian in vivo and in vitro cytogenetic assays: a report of the U.S. EPA's gene-tox program. Preston RJ, et al. **Mutat Res** 1981 Sep;87(2):143–88 (162 ref.)

Antagonism of hypothermia and behavioral response to apomorphine: a simple, rapid and discriminating test for screening antidepressants and neuroleptics. Puech AJ, et al. **Psychopharmacology (Berlin)** 1981;75(1):84–91

The 'hair root invasion test', a semi-quantitative method for experimental evaluation of antimycotics in guinea-pigs. Petranyi G, et al. **Sabouraudia** 1982 Jun;20(2):101–8

Ranking animal carcinogens: a proposed regulatory approach. Squire RA. **Science** 1981 Nov 20; 214(4523):877–80

Human tumor xenografts in athymic nude mice as a preclinical screen for anticancer agents. Ovejera AA, et al. **Semin Oncol** 1981 Dec;8(4):386–93

In vitro evaluation of anticancer drugs with the human tumor stem cell assay. Salmon SE, et al. **Semin Oncol** 1981 Dec; 8(4):377–85

Preclinical drug development: rationale and methods. Venditti JM. **Semin Oncol** 1981 Dec;8(4):349–61

In vitro assays in preclinical antineoplastic drug screening. Weisenthal LM. **Semin Oncol** 1981 Dec;8(4):362–76 (149 ref.)

Dose-response studies with genetically homogeneous lines of mice as a teratology testing and risk-assessment procedure. Kalter H. **Teratology** 1981 Aug;24(1):79–86

Morphological transformation of C3H/10T1/2 CL8 cells by alkylating agents. Oshiro Y, et al. **Toxicol Lett** 1981 Dec;

9(4):301–6
[Preclinical safety tests of new drugs using laboratory rats in terms of medullary haematopoietic inhibition (author's transl)] Berger J. **Cas Lek Cesk** 1981 Aug 20;120(33):987–90 (Eng. Abstr.) **(Cze)**
[Investigation of bone marrow in preclinical safety tests of new drugs (author's transl)] Berger J. **Cas Lek Cesk** 1982 Jan 29;121(4):97–101 (Eng. Abstr.) **(Cze)**
[General schema for safety evaluation of residues of embryotoxic drugs (author's transl)] Delatour P, et al. **Ann Rech Vet** 1981;12(2):215–8 (Eng. Abstr.) **(Fre)**
[Predicted pharmacology of an antidepressant] Pinder RM. **Encephale** 1981;7(4 Suppl):371–80 (Eng. Abstr.) **(Fre)**
[Development of antiepileptic drugs] Frey HH. **Arzneimittelforsch** 1981;Suppl 27:59–70 (22 ref.) **(Ger)**
[Detection of drug dependence in animal experiments] Hoffmeister F. **Arzneimittelforsch** 1981;Suppl 27:53–8 **(Ger)**
[Drug therapy of Parkinson disease and parkinson disease-like symptoms] Kehr W. **Arzneimittelforsch** 1981; Suppl 27:26–33 **(Ger)**
[Neuroleptics and antidepressive agents] Kreiskott H, et al. **Arzneimittelforsch** 1981;Suppl 27:34–44 (32 ref.) **(Ger)**
[Pharmacological testing of sleep-inducing substances] Kuhn FJ. **Arzneimittelforsch** 1981;Suppl 27:47–9 **(Ger)**
[Opiate-like analgesics] Kuschinsky K. **Arzneimittelforsch** 1981;Suppl 27:50–2 **(Ger)**
[Necessary animal experiments for the development of drugs with minor tranquilizer characteristics] Lehr E. **Arzneimittelforsch** 1981;Suppl 27:45–6 **(Ger)**
[Drug safety and therapeutic index / Principles of pharmacological screening and of the clinical transferability of animal experiments results (author's transl)] Schneider B. **Arzneimittelforsch** 1982;32(5):471–4 (Eng. Abstr.) **(Ger)**
[Therapeutic agents for reduction of heightened muscle tonus and increased reflex activity (centrally acting muscle relaxants)] Streller I. **Arzneimittelforsch** 1981;Suppl 27:71–2 **(Ger)**
[Therapeutic agents for alleviation of muscle weakness in myasthenia gravis (cholinesterase inhibitors)] Streller I. **Arzneimittelforsch** 1981;Suppl 27:73–5 **(Ger)**
[A dye uptake method using cultured human cancer cells and its application to a sensitivity test for anti-cancer drug (author's transl)] Isomura J, et al. **Yakugaku Zasshi** 1981 Mar;101(3):227–31 (Eng. Abstr.) **(Jpn)**
[Comparison of the effectiveness of various methods of testing drugs for embryotoxicity] Puchkov VF, et al. **Arkh Anat Gistol Embriol** 1981 May;80(5):104–10 (Eng. Abstr.) **(Rus)**
[Extrapolation of experimental data on the methods for the clinical evaluation of drugs] Karkishchenko NN. **Farmakol Toksikol** 1982 May–Jun;45(3):22–7 **(Rus)**
[Problems in the preclinical study of drug safety] Liubimov BI, et al. **Farmakol Toksikol** 1981 Jul–Aug;44(4):389–95 **(Rus)**
[Possibilities of studying the biological activity of chemical compounds in a kinetic experiment] Kosolapov SS, et al. **Izv Akad Nauk SSSR [Biol]** 1982;(1):77–84 (Eng. Abstr.) **(Rus)**

VETERINARY

Registration of veterinary drugs in Australia and New Zealand. Hotson IK. **J S Afr Vet Assoc** 1981 Jun; 52(2):131–4

DRUG STABILITY

Nonisothermal kinetics applied to pharmaceuticals. Waltersson JO, et al. **Acta Pharm Suec** 1982;19(2):127–36
Stability of drugs in aqueous solutions. II. Application of Weibull probability paper to predictions of coloration of parenteral solutions. Seki H, et al. **Chem Pharm Bull (Tokyo)** 1981 Dec;29(12):3680–7
The study of reaction kinetics. Connors KA. **J Parenter Sci Technol** 1981 Jul–Aug;35(4):186–208
Quantitative evaluation of pharmaceutical effervescent systems II: Stability monitoring by reactivity and porosity measurements. Anderson NR, et al. **J Pharm Sci** 1982 J n; 71(1):7–13
Simplified method to study stability of pharmaceutical systems. Tucker IG. **J Pharm Sci** 1982 May;71(5):599–600
[A simplified method for predicting the stability of pharmaceuticals—the initial average rate method (author's transl)] Pang YH, et al. **Yao Hsueh Hsueh Pao** 1982 Mar; 17(3):207–11 (Eng. Abstr.) **(Chi)**
[A simple model for the calculation of stability (author's transl)] Schläpfer P, et al. **J Clin Chem Clin Biochem** 1981 Jun;19(6):351–6 (Eng. Abstr.) **(Ger)**
[Stability of drugs. Part 12: On the evaluation of results from the short-time test with linear rise in temperature (author's transl)] Kersten D, et al. **Pharmazie** 1982 Jan;37(1):19–21 (Eng. Abstr.) **(Ger)**
[Stability testing of solid drugs using preferentially thin-layer chromatography and differential thermal analysis. Part 7: The stability of drugs and preparations (author's transl)] Wollmann H, et al. **Pharmazie** 1981;36(7):453–6 (67 ref.) (Eng. Abstr.) **(Ger)**
[Replacement of reserves of high priority drugs] Topalov V, et al. **Vojnosanit Pregl** 1982 May–Jun;39(3):173–6 **(Scr)**

DRUG STORAGE

Interest among Florida hospital pharmacists in microwave thawing of frozen intravenous medications [letter] Elliott GT, et al. **Am J Hosp Pharm** 1981 Nov;38(11):1664, 1667
Selection criteria for biological safety cabinets for chemotherapy preparation [letter] Hamilton CW, et al. **Am J Hosp Pharm** 1982 Jun;39(6):968
Effects of packaging and storage on the dissolution of model prednisone tablets. Taborsky-Urdinola CJ, et al. **Am J Hosp Pharm** 1981 Sep;38(9):1322–7
A patch test reagent storage cabinet. Jolliffe DS. **Contact Dermatitis** 1981 May;7(3):171
The solid state stability of oral rehydration salts. Izgü E, et al. **J Clin Hosp Pharm** 1981 Jun;6(2):135–44
[Effect of different storage conditions on the stability of aqueous solutions of chlorhexidine digluconate] Kucharski S, et al. **Acta Pol Pharm** 1981;38(5):613–5 (Eng. Abstr.) **(Pol)**
[Replacement of reserves of high priority drugs] Topalov V, et al. **Vojnosanit Pregl** 1982 May–Jun;39(3):173–6 **(Scr)**
[A study of 1548 family medicine cupboards in Granada, Spain (author's transl)] Puche E, et al. **Med Clin (Barc)** 1982 Jul 1–31;79(3):118–21 (Eng. Abstr.) **(Spa)**

DRUG SYNERGISM

see related
COCARCINOGENESIS
PESTICIDE SYNERGISTS

An analysis of functional antagonism and synergism. Mackay D. **Br J Pharmacol** 1981 May;73(1):127–34
Drug prescribing for the elderly. Ouslander JG. **West J Med** 1981 Dec;135(6):455–62 (64 ref.)
[Addition in drug combination (author's transl)] Jin ZJ. **Chung Kuo Yao Li Hsueh Pao** 1980 Dec;1(2):70–6 (Eng. Abstr.) **(Chi)**

DRUG THERAPY

see related
MEDICATION ERRORS

Reliability of recall of drug usage and other health-related information. Paganini-Hill A, et al. **Am J Epidemiol** 1982 Jul;116(1):114–22
Medication problems handled by a consumer-oriented drug information center. Conner CS, et al. **Am J Hosp Pharm** 1982 May;39(5):849–51
The graying of America: implications for the pharmacist. Lipton HL. **Am J Hosp Pharm** 1982 Jan;39(1):131–5
Special report: drugs for two in lactation. Wicklund S. **Am J Nurs** 1982 Sep;82(9):1428–30
The pharmacist and the pediatric patient. Hays DP. **Am Pharm** 1982 Jan;22(1):22–9
Elderly: Research opportunities. Schumacher GE. **Am Pharm** 1981 Nov;21(11):49–51
Drug therapy in the elderly. Ouslander JG. **Ann Intern Med** 1981 Dec;95(6):711–22 (142 ref.)
Prescribing medication in long-term dialysis units. Anderson RJ, et al. **Arch Intern Med** 1982 Jul;142(7):1305–8
Role of the clinical pharmacist in improving drug therapy. Clinical pharmacists in outpatient therapy. Monson R, et al. **Arch Intern Med** 1981 Oct;141(11):1441–4
Therapeutic drug monitoring and clinical pharmacokinetics. Paxton JW. **Aust NZ J Med** 1981 Oct;11(5):558–61
Commentary: drugs in paediatric practice. I. Principles of drug therapy in paediatric practice. II. The problems of drug therapy in pregnancy. III. Drugs and breast feeding: a practical approach. Buchanan N. **Aust Paediatr J** 1981 Sep;17(3):219–23
Use of medications in infancy. Cockington RA, et al. **Aust Paediatr J** 1981 Sep;17(3):216–8
In brain metastasis systemic chemotherapy has been of no apparent value [letter] Kemperman CJ. **Clin Neurol Neurosurg** 1982;84(1):68–9
Nondichotomous patterns of medication usage: the yes–no fallacy. Dirks JF, et al. **Clin Pharmacol Ther** 1982 Apr; 31(4):413–7
Dietary guidelines and drug therapies. Roe DA. **Compr Ther** 1981 Jul;7(7):62–9 (12 ref.)
Clinical trials in post-marketing surveillance of drugs. Bell RL, et al. **Controlled Clin Trials** 1982 Mar;3(1):61–8
Critical care therapeutics: a frontier for clinical pharmacy. Dasta JF. **Drug Intell Clin Pharm** 1982 May;16(5):398–9
Evaluating drug use behavior. Freeman HE, et al. **Drug Intell Clin Pharm** 1982 Apr;16(4):313–9
An evaluation of a medication history method. Truitt CA, et al. **Drug Intell Clin Pharm** 1982 Jul–Aug;16(7–8):592–6
What should we tell patients about their medicines? **Drug Ther Bull** 1981 Sep 11;19(19):73–4
Drug trials in general practice. **Drug Ther Bull** 1981 Dec 4;19(25):97–9
Health care in the elderly: report of the Technical Group on Use of Medicaments by the Elderly. World Health Organization. **Drugs** 1981 Oct;22(4):279–94
What's wrong with drugs? Káldor A. **Eur J Clin Pharmacol** 1981 Mar;19(4):231–2
Therapeutic considerations in prescribing for elderly patients. Braverman AM. **Eur J Rheumatol Inflamm** 1982; 5(3):289–93
Pharmacology and aging. Vestal RF. **J Am Geriatr Soc** 1982 Mar;30(3):191–200 (93 ref.)
Access operation for chemotherapy and dialysis using freeze-preserved vein allografts. Siegal B. **J Cardiovasc Surg (Torino)** 1981 Nov–Dec;22(6):543–5
Management of the geriatric patient in a general hospital. Communication and polypharmacy: drugs and the elderly. Lipsitt DR. **J Geriatr Psychiatry** 1979;12(2):177–86
In vitro veritas? Antimicrobial susceptibility tests and their clinical relevance. Greenwood D. **J Infect Dis** 1981 Oct; 144(4):380–5
Drug use and medication non-compliance in patients discharged from a medical ward. Lehne G, et al. **J Oslo City Hosp** 1981 Jul;31(7):85–90
Drug replacement following exchange transfusion. Lackner TE. **J Pediatr** 1982 May;100(5):811–4
Drug monitoring of surgical patients. Danielson DA, et al. **JAMA** 1982 Sep 24;248(12):1482–5
Therapeutic drug monitoring. Paterson N. **Med Lab Sci** 1981 Jul;38(3):163–5
Facing up to compliance-failure with prescribed drug therapy. Kellaway GS. **Methods Find Exp Clin Pharmacol** 1980 Aug;2(4):205–12
Symposium on drugs and the older adult. **Nurs Clin North Am** 1982 Jun;17(2):251–340
Helping elderly patients in ambulatory settings cope with drug therapy. Alford DM, et al. **Nurs Clin North Am** 1982 Jun;17(2):275–82
Promoting effective drug-taking behavior in the elderly. Dall CE, et al. **Nurs Clin North Am** 1982 Jun;17(2):283–91
Normal changes in aging and nursing implications of drug therapy. Hayes JE. **Nurs Clin North Am** 1982 Jun; 17(2):253–62
Drugs in lactating women. Kochenour NK, et al. **Obstet Gynecol Annu** 1981;10:107–26 (104 ref.)
A critique of the practice of plotting data obtained in vivo on an 'hours after treatment' format. Burns ER. **Oncology** 1982;39(4):250–4
Drug interactions and drug reactions. Smith RB. **Otolaryngol Clin North Am** 1981 Aug;14(3):615–29 (36 ref.)
Preoperative medication. Viljoen JF. **Otolaryngol Clin North Am** 1981 Aug;14(3):579–85 (21 ref.)
The position of the pharmaceutical industry in the development of drugs for pediatric use. Christensen CN. **Pediatr Pharmacol (New York)** 1980;1(1):15–9
Drug studies in children. Finkel MJ. **Pediatr Pharmacol (New York)** 1980;1(1):7–14
Drug development in pediatrics: problems and strategies. The point of view of the academic community. Soyka LF. **Pediatr Pharmacol (New York)** 1980;1(1):21–4
Drug development in pediatrics: problems and strategies. Overview and perspectives. Yaffe SJ. **Pediatr Pharmacol (New York)** 1980;1(1):3–5
Prescribing for the elderly. Davison W. **Practitioner** 1981 Dec;225(1362):1727–35
Progress in therapeutic drug monitoring: clinical laboratory considerations. Jatlow P. **Prog Clin Pathol** 1981;8:153–73 (103 ref.)
The conduct of clinical trials in the impaired elderly. Gershon S. **Psychopharmacol Bull** 1981 Oct;17(4):108–16
Assessing geriatric patients and their drug therapy regimens. Simonson W, et al. **QRB** 1981 Sep;7(9):19–24
The influence of host factors on drug response. VII. Implications for interpretation of clinical trials and other published studies on drug response in man. Vesell ES. **Ration Drug Ther** 1981 Dec;15(12):1–5
Drug therapy considerations in the elderly. Herman RA. **S Afr Med J** 1982 Apr 10;61(15):544–6 (25 ref.)
Rejection and the use of chemical agents. Ruznisky SA, et al. **Soc Sci Med [E]** 1981 Aug;15(3):205–10
Prescribed and nonprescribed drug use in an ambulatory elderly population. May FE, et al. **South Med J** 1982 May; 75(5):522–8
[Activity of the Commission for Functional Pharmacotherapy in pediatrics] Cerný J, et al. **Cesk Pediatr** 1982 Apr;37(4):220–2 (Eng. Abstr.) **(Cze)**
[2 treatments with about equal likelihood of a favorable outcome?] Rümke CL. **Ned Tijdschr Geneeskd** 1982 Mar 20;126(12):529–31 **(Dut)**
[Chances of discovery in therapeutics or the drug adventure] Lemaire A. **Bull Acad Natl Med (Paris)** 1981 Dec; 165(9):1215–27 **(Fre)**
[Current therapeutic agents] Luyckx A, et al. **Rev Med Liege** 1982 May 1;37(9):389–96 **(Fre)**
[Suggestions for the improvement of drug therapy compliance] Fischer B, et al. **Fortschr Med** 1982 Jun 3; 100(21):973–4, 1014 concl (0 ref.) **(Ger)**
[Therapy control by determination of serum drug concentrations] Oellerich M, et al. **Internist (Berlin)** 1982 Mar;23(3):174–81 **(Ger)**
[Patience, patience] Habrich E. **Med Welt** 1981 Jul 31; 32(30–31):56–7 **(Ger)**
[Potentialities and limits of drug therapy—today and tomorrow] Habermann E. **MMW** 1982 Apr 2;124(13):325–9 **(Ger)**
[Possibilities and limits of drug therapy. Acceptance and progress] Habermann E. **MMW** 1982 May 7;124(18):452–4 **(Ger)**
[Topicalities from gene technology. Protein synthesized by bacteria the better therapeutic alternative (author's transl)] Hobom B, et al. **MMW** 1981 Sep 18;123(38):1423–6 (Eng. Abstr.) **(Ger)**
[Drug compliance from the clinical-medical-sociological

view] Raspe HH. **MMW** 1981 Nov 27;123(48):1847–8 **(Ger)**

[International pharmaceutical activities with respect to optimization of therapy] Fürtig W. **Pharmazie** 1981 Mar; 36(3):193–8 **(Ger)**

[The contribution of the patient in pharmacotherapy (author's transl)] Weber E. **Praxis** 1981 Oct 20;70(43):1893–9 (Eng. Abstr.) **(Ger)**

[Methods of organizing scientific drug therapy by the Karl Marx Stadt District Therapy Commission] Kobler A. **Z Arztl Fortbild (Jena)** 1982 Mar 15;76(6):265–7 **(Ger)**

[Schematic principles in the therapy of bacterial inflammation of the brain and meninges] Duniewicz M. **Z Gesamte Inn Med** 1981 May 1;36(9):277–81 (61 ref.) (Eng. Abstr.) **(Ger)**

[WHO on drug treatment in the elderly] Herzog P. **Harefuah** 1982 Feb 1;102(3):127–8 **(Heb)**

[Drug therapy in the elderly (author's transl)] Katsunuma H. **Nippon Ronen Igakkai Zasshi** 1982 Mar;19(2):110–20 **(Jpn)**

[Pharmacokinetics in individualizing therapy] Plavšić F, et al. **Srp Arh Celok Lek** 1981 Mar;109(3):391–402 (Eng. Abstr.) **(Scc)**

[Prescribing drugs for the elderly] Vuković Z. **Srp Arh Celok Lek** 1981 Sep;109(9):1233–5 **(Scc)**

[The effect of drugs on clinical and biochemical measurements] Majkić-Singh N. **Vojnosanit Pregl** 1982 Mar–Apr;39(2):110–4 **(Scr)**

[Drug treatment during pregnancy] Rane A. **Nord Med** 1982 Jan;97(1):12–4 **(Swe)**

ADVERSE EFFECTS

Second neoplasms following radiotherapy or chemotherapy for cancer. Penn I. **Am J Clin Oncol** 1982 Feb;5(1):83–96

Nonestrogenic drugs and breast cancer. Danielson DA, et al. **Am J Epidemiol** 1982 Aug;116(2):329–32

Can pharmacists prevent drug-induced illness in hospitals [editorial] Zellmer WA. **Am J Hosp Pharm** 1981 May; 38(5):637

Effect of drug-induced platelet dysfunction on surgical bleeding. Kitchen L, et al. **Am J Surg** 1982 Feb; 143(2):215–7

Gerontologic pharmacology [letter] Steinberg GM. **Ann Intern Med** 1982 Aug;97(2):281

Case reports of untoward drug reactions, adverse events, and rare diseases [editorial] Soffer A. **Arch Intern Med** 1982 Jul;142(7):1271–2

Crying wolf on drug safety [letter] **Br Med J [Clin Res]** 1982 Mar 20;284(6319):901–2

Drug prescribing for the elderly. Lamy PP. **Bull NY Acad Med** 1981 Oct;57(8):718–30

Labelling and drug effects. Morris LA, et al. **Clin Invest Med** 1981;4(3–4):215–9

Adverse effects of drugs in later pregnancy. Beeley L. **Clin Obstet Gynaecol** 1981 Aug;8(2):275–90 (68 ref.)

Adverse effects of drugs in the first trimester of pregnancy. Beeley L. **Clin Obstet Gynaecol** 1981 Aug;8(2):261–74 (71 ref.)

Electrolyte abnormalities as a complication of drug therapy. Lespier-Dexter LE. **Contrib Nephrol** 1981;27:45–53 (44 ref.)

Drug use in pregnancy: how to avoid problems. Rao JM, et al. **Drugs** 1981 Nov;22(5):409–14

Common pitfalls in geriatric drug prescribing. Shaw PG. **Drugs** 1982 Apr;23(4):324–8

Drug-related problems causing admission to a medical clinic. Bergman U, et al. **Eur J Clin Pharmacol** 1981;20(3):193–200

Drug-induced liver disease. Sumner HW, et al. **Geriatrics** 1981 Oct;36(10):83–96

The Committee on Safety of Medicines. Goldberg A. **Health Bull (Edinb)** 1981 Nov;39(6):393–7

Post-marketing surveillance of licensed medicinal and other products. Griffin JP. **Health Bull (Edinb)** 1981 Nov; 39(6):356–66

Prescribing habits and potential adverse drug interactions in a geriatric medical service. Scott PJ, et al. **Health Bull (Edinb)** 1982 Jan;40(1):5–9

Medical treatment of psychiatric patients: possible polypharmacy problems. Norton JC, et al. **Hosp Community Psychiatry** 1982 Apr;33(4):305–7

Adverse drug reactions in dermatologic therapy. Kramer MS. **Int J Dermatol** 1981 Sep;20(7):483–4

Reports of adverse drug reactions in general medical journals. O'Connor PC, et al. **Ir J Med Sci** 1982 Jun;151(6):184–7

The Hereford Hospital Prescribing Study. Investigation of methods to identify patients with adverse drug reactions. Alexander AM, et al. **J Clin Hosp Pharm** 1981 Sep; 6(3):201–6

Adverse drug reaction monitoring by ward pharmacists. Hardman C, et al. **J Clin Hosp Pharm** 1982 Mar;7(1):71–3

Geriatric drug therapy. Sloan RW. **J Fam Pract** 1981 Oct; 13(5):599–609

Post-marketing surveillance: drug epidemiology. Borden EK. **J Int Med Res** 1981;9(6):401–7

Toward reducing the ambiguity of adverse drug reactions: a computerized system. McCarron MM. **J Med Syst** 1982 Feb;6(1):23–39

Adverse drug reactions [letter] Brooks M. **J R Coll Gen Pract** 1981 Dec;31(233):761

Why not monitor our patients for adverse effects of drugs? Martys CR. **J R Coll Gen Pract** 1981 Jul;31(228):435

The prevention of adverse drug reactions—a potential role for pharmacists in the primary care team? Shulman JI, et al. **J R Coll Gen Pract** 1981 Jul;31(228):429–34

Childhood cancer and pregnancy drugs [letter] McWhirter WR, et al. **Lancet** 1981 Nov 7;2(8254):1051

Toxicological considerations for the medicinal chemist. Finch N. **Med Res Rev** 1981 Winter;1(4):337–72 (117 ref.)

Reliability factors in adverse drug reaction reporting. Marlin RL. **Methods Inf Med** 1981 Jul;20(3):157–62

Sounding board. Risks of correcting the risks of coronary disease and stroke with drugs. Oliver MF. **N Engl J Med** 1982 Feb 4;306(5):297–8

Prescription medication in the workplace. Occupational absenteeism, accidents, and performance when using non-psychoactive and psychoactive medication. Proctor RC. **NC Med J** 1981 Aug;42(8):545–7

Nurses, physicians, and pharmacists: their knowledge of hazards of medications. Markowitz JS, et al. **Nurs Res** 1981 Nov–Dec;30(6):366–70

New Zealand Committee on Adverse Drug Reactions: fifteenth annual report, 1980. McQueen EG. **NZ Dent J** 1981 Jul;77(349):108–12

Modulation of the immune response by chemotherapy. Braun DP, et al. **Pharmacol Ther** 1981;14(1):89–122 (268 ref.)

What to do until the FDA arrives. Riegelman RK. **Postgrad Med** 1981 Dec;70(6):103–8

Effects of drugs in pregnancy and during lactation. Hawkins DF. **Proc Annu Symp Eugen Soc** 1981;16:135–63

Common drug reactions: their mechanisms and management. Blaylock WK. **Va Med** 1981 Aug;108(8):529–33 (0 ref.)

Drugs associated with retroperitoneal fibrosis [letter] Ristagno RL. **West J Med** 1981 Aug;135(2):159–60

[Carcinogenesis and drugs] Danø K, et al. **Ugeskr Laeger** 1981 Aug 24;143(35):2246–7 **(Dan)**

[Drug-induced liver damage] Holm-Bentzen M, et al. **Ugeskr Laeger** 1981 May 4;143(19):1213–6 **(Dan)**

[Changes in the concentrations of plasma and urinary amino acids induced by therapy] Parvy P. **Ann Biol Clin (Paris)** 1982;40(1):23–8 (40 ref.) **(Fre)**

[Methods of adverse drug reaction monitoring. I. Collection of data and type of studies (author's transl)] Spriet-Pourra C, et al. **Therapie** 1981 Nov–Dec;36(6):609–18 (0 ref.) (Eng. Abstr.) **(Fre)**

[Pseudotumors and other drug reactions caused by not declared additional substances] Bork K. **Dtsch Med Wochenschr** 1982 Jan 15;107(2):43–5 **(Ger)**

[Spontaneous reports on unwanted drug effects in the years 1978–1979] Ochsenfahrt H, et al. **Fortschr Med** 1981 Nov 12;99(42):1753–8 (Eng. Abstr.) **(Ger)**

[Severe adverse drug reactions among medical inpatients (author's transl)] Marty H, et al. **Praxis** 1981 Sep 22; 70(39):1677–87 (Eng. Abstr.) **(Ger)**

[Nausea and vomiting during chemotherapy of malignant tumors] Joss R, et al. **Schweiz Med Wochenschr** 1981 Oct 24;111(43):1614–22 (52 ref.) (Eng. Abstr.) **(Ger)**

[Hazardous ventures with medications] Begemann H. **Ther Ggw** 1981 Oct;120(10):879–96 **(Ger)**

[Side effects of drugs on male sexuality] Przybilla B, et al. **Ther Ggw** 1981 Nov;120(11):1078–94 **(Ger)**

[Side effects of drugs in the geriatric patient (author's transl)] Follath F. **Ther Umsch** 1981 Jan;38(1):49–54 (Eng. Abstr.) **(Ger)**

[The incidence of adverse effects of drugs in a pulmonary disease clinic] Lorenz C, et al. **Z Gesamte Inn Med** 1981 Apr 15;36(8):265–9 (Eng. Abstr.) **(Ger)**

[Side effects of therapeutic agents] Peters T. **ZFA (Stuttgart)** 1982 Apr 30;58(12):658–61 **(Ger)**

[Drug interactions. Causes and the possibility of their prevention] Remmer H. **ZFA (Stuttgart)** 1981 Nov 30; 57(33):2277–90 **(Ger)**

[Primum non nocere] **Harefuah** 1981 Jul;101(1–2):39–42 **(Heb)**

[Primum non nocere] **Harefuah** 1982 Jan 1;102(1):40–1 **(Heb)**

[Adverse cardiac effects of drugs] Keren A, et al. **Harefuah** 1981 May 15;100(10):482–6 **(Heb)**

[Drug-induced gastroduodenal lesions] Fossati C. **Clin Ter** 1982 Feb 15;100(3):281–317 (443 ref.) **(Ita)**

[Acute drug-induced extrapyramidal syndrome: case studies of a decade at the autonomous toxicology department of the Arcispedale] Torrini M, et al. **Clin Ter** 1981 Jun 30; 97(6):561–85 (67 ref.) **(Ita)**

[Pancreatitis caused by drugs. Etiopathogenesis and rehabilitative problems] De Fracisci G, et al. **Recenti Prog Med** 1982 Feb;72(2):201–12 (59 ref.) **(Ita)**

[Undesirable effects of drug interaction in everyday medical practice. Round-table conference II] **Pol Tyg Lek** 1981 Sep 7;36(36):1391–6 **(Pol)**

[Undesirable effects of drug interactions in everyday practice. Part I] **Pol Tyg Lek** 1981 Aug 31;36(35):1353–6 **(Pol)**

[General medication and its ocular effects] Mihail S. **Rev Chir [Oftalmol]** 1981 Oct–Dec;25(4):241–5 (Eng. Abstr.) **(Rum)**

[Prevention of drug therapy complications] Severova Ela. **Sov Med** 1982;(1):92–5 **(Rus)**

[Characteristics of drug side-effects in therapeutic departments] Zamotaev IP, et al. **Sov Med** 1982;(1):95–6 **(Rus)**

ECONOMICS

Researchers begin linking cost with performance to test new drugs' value. **Hospitals** 1982 Apr 1;56(7):54, 57

The economics of drug prescribing in Ireland. O'Hanrahan M, et al. **Ir Med J** 1981 Oct;74(10):309–10, 312

Drug substitution, savings, and safety [editorial] **Lancet** 1982 Sep 18;2(8299):640

Drugs for parasitic disease [editorial] **Lancet** 1982 Jun 5; 1(8284):1284–5

Cost comparisons among antimicrobial agents [letter] Dudley M, et al. **N Engl J Med** 1982 Sep 9;307(11):689

[Observations on economizing on drug costs] Offerhaus L. **Ned Tijdschr Geneeskd** 1982 May 1;126(18):824–9 **(Dut)**

HISTORY

Nineteenth century drug therapy: computer analysis of the 1854 prescription file of a Burlington pharmacy. Cowen DL, et al. **J Med Soc NJ** 1981 Oct;78(11):758–61

The continuous treatment of early syphilis by arsphenamin and heavy metals. Kampmeier RH. **Sex Transm Dis** 1981 Jul–Sep;8(3):224–6

[Advances in chemotherapy] Kempler K. **Orv Hetil** 1982 Apr 4;123(14):861–4 **(Hun)**

INSTRUMENTATION

Rate-controlled drug delivery. Goldman P. **N Engl J Med** 1982 Jul 29;307(5):286–90 (28 ref.)

METHODS

Systems for controlled drug delivery. Zaffaroni A. **Med Res Rev** 1981 Winter;1(4):373–86 (15 ref.)

[Use of drugs in a medical polyclinic] Tigretti T, et al. **Schweiz Med Wochenschr** 1982 May 15;112(20):706–13 (Eng. Abstr.) **(Fre)**

[Clinical therapeutic trials: introduction to the topic] Buchborn E. **Internist (Berlin)** 1982 Apr;23(4):183–6 **(Ger)**

[Controlled drug trials from the forensic view point. Admissibility criteria of the drug law] Eser A. **Internist (Berlin)** 1982 Apr;23(4):218–26 **(Ger)**

[Drug actions, drug safety and drug evaluation. A short review] Gross R, et al. **Med Welt** 1981 Aug 28; 32(35):1257–63 **(Ger)**

[Problems of drug safety in children (author's transl)] Seyberth HW. **Monatsschr Kinderheilkd** 1982 Jul; 130(7):529–35 (Eng. Abstr.) **(Ger)**

[Problems and prospects of the use of liposomes for directed transport of drugs (review)] Torchilin VP, et al. **Vopr Med Khim** 1982 Jan–Feb;28(1):3–14 (116 ref.) **(Rus)**

NURSING

Assisting the elderly with drug therapy in the home. Sivertsen L, et al. **Nurs Clin North Am** 1982 Jun; 17(2):293–301

STANDARDS

[Geriatric pharmacology, Special features of geriatric prescribing. Lamy PP. **Geriatrics** 1981 Dec;36(12):41–52

The perceptions of army physicians and nurses on the relative importance of clinical pharmacy services. Rauch TM. **Milit Med** 1982 May;147(5):391–5

[Problems in chemotherapy in hospitals and private practice] Metz H. **Ther Ggw** 1981 Dec;120(12):1126–9 **(Ger)**

[Polypragmasy at the treatment of old people (author's transl)] Siering H. **ZFA (Dresden)** 1982 Jan–Feb;37(1):11–6 (Eng. Abstr.) **(Ger)**

TRENDS

[Current status in therapeutics] Luyckx A, et al. **Rev Med Liege** 1981 Apr 15;36(8):397–403 **(Fre)**

[New orientations in medicine: cellular receptors in therapeutics. I. Introduction] Sepúlveda B. **Gac Med Mex** 1981 Dec;117(12):463–5 **(Spa)**

UTILIZATION

Drug therapy in elderly patients [letter] Portnoi VA. **Ann Intern Med** 1982 Mar;96(3):376

Patient medication on admission to a medical clinic. Bergman U, et al. **Eur J Clin Pharmacol** 1981;20(3):185–91

Pharmacists' perceptions of major difficulties in geriatric pharmacy practice. Pratt CC, et al. **Gerontologist** 1982 Jun; 22(3):288–92

VETERINARY

Pet remedies. Jakowski RM, et al. **Am Pharm** 1982 Jun; 22(6):19–24

[Drugs used in military veterinary service during the second world war (author's transl)] Kaemmerer K. **DTW** 1981 Nov 5;88(11):461–73 (Eng. Abstr.) **(Ger)**

DRUG THERAPY, COMBINATION

Autologous nonfrozen bone marrow transplantation after intensive chemotherapy: a pilot study. Robinson WA, et al. **Acta Haematol (Basel)** 1981;66(3):145–53

Recent progress in multimodal therapy for resectable breast cancer. Bonadonna G. **Isr J Med Sci** 1981 Sep–Oct; 17(9–10):916–21

Chemotherapy of lung cancer. Papac RJ. **Yale J Biol Med** 1981 Jul–Aug;54(4):283–92

[Drug combination preparations—pro or con] Andersen AH. **Ugeskr Laeger** 1981 Feb 23;143(9):565–6 **(Dan)**

[Evaluation of serum BuChe activity during polychemotherapy based on COP and C-MOPP protocols] Fazio M, et al. **Boll Soc Ital Biol Sper** 1981 Dec 30; 57(24):2512–8 (Eng. Abstr.) **(Ita)**

[Variations of serum BuChe activity during C M F therapy] Fazio N, et al. **Boll Soc Ital Biol Sper** 1981 Dec 30; 57(24):2519–25 (Eng. Abstr.) **(Ita)**

[Combination of antibacterial agents] Fukaya K. **Nippon Rinsho** 1981 Jan;39(1):33–40 **(Jpn)**

[Combined effects of drugs] Kudrin AN. **Sov Med** 1982; (4):89–94 (17 ref.) **(Rus)**

ADVERSE EFFECTS

The effect of cancer and its therapy upon fertility. Barber HR. **Int J Fertil** 1981;26(4):250–9 (35 ref.)

TRENDS

[Current status and prospects in cancer chemotherapy] Sakurai Y. **Nippon Rinsho** 1981 Nov;39(11):3588–95 **(Jpn)**

DRUG TOLERANCE

Threshold concentration of ozone causing an increase in bronchial reactivity in humans and adaptation with repeated exposures. Dimeo MJ, et al. **Am Rev Respir Dis** 1981 Sep;124(3):245–8

Tolerance to beta-adrenergics and results of rising dose studies of albuterol, isoproterenol and placebo. Spector S. **Ann Allergy** 1981 Nov;47(5 Pt 2):394–401

Opioid expectation modifies opioid effects. Siegel S. **Fed Proc** 1982 May;41(7):2339–43

Multiple-dose phase I trials—normal volunteers or patients? One viewpoint. Weissman L. **J Clin Pharmacol** 1981 Oct; 21(10):385–7

Pharmacogenetic tools in the study of drug tolerance and dependence. Crabbe JC, et al. **Subst Alcohol Actions Misuse** 1980;1(5–6):385–413 (120 ref.)

[Drug actions, drug safety and drug evaluation. A short review] Gross R, et al. **Med Welt** 1981 Aug 28; 32(35):1257–63 **(Ger)**

DRUG USE DISORDERS see **SUBSTANCE USE DISORDERS**

DRUG UTILIZATION

Utilization of antiparkinson drugs in Norway, Sweden, Denmark and Finland 1975–1979. Aquilonius SM, et al. **Acta Neurol Scand** 1981 Jul;64(1):47–53

Impact of a drug bulletin on prescribing oral analgesics in a teaching hospital. Berbatis CG, et al. **Am J Hosp Pharm** 1982 Jan;39(1):98–100

Physician and pharmacist attitudes toward medication use. Bootman JL, et al. **Am J Hosp Pharm** 1982 May; 39(5):818–21

Effect of removing clinical pharmacy input. Chrymko MM, et al. **Am J Hosp Pharm** 1982 Apr;39(4):641

Antimicrobial use review in a family practice setting. D'Achille KM, et al. **Am J Hosp Pharm** 1981 May; 38(5):696–9

Factors potentially influencing aminoglycoside use and expenditure. DiPiro JT, et al. **Am J Hosp Pharm** 1982 Jul; 39(7):1180–3

Need for uniform data elements in hospital drug use review. Forbes MB, et al. **Am J Hosp Pharm** 1981 May;38(5):711–5

Injectable cephalosporin use in a community teaching hospital. Hazaleus RE, et al. **Am J Hosp Pharm** 1982 Mar; 39(3):482–3

Problems in the measurement of psychotropic drug consumption. Hemminki E. **Am J Hosp Pharm** 1982 Feb; 39(2):325–9

Neuroleptic drug use in a family-practice center. Holt RJ, et al. **Am J Hosp Pharm** 1981 Nov;38(11):1716–9

Evaluating antimicrobial use with an algorithm. Hurley SC. **Am J Hosp Pharm** 1981 Oct;38(10):1473–6

Drug-use review and risk management. Keys PW. **Am J Hosp Pharm** 1981 Oct;38(10):1533–4

Computer-assisted antibiotic use review. Klapp D, et al. **Am J Hosp Pharm** 1981 May;38(5):692–5

Antibiotic use review in ambulatory care using computer-assisted medical record audit. Reed DM, et al. **Am J Hosp Pharm** 1982 Feb;39(2):280–4

Prescription writing habits of physicians in postgraduate training. Salberg DJ, et al. **Am J Hosp Pharm** 1982 Jan; 39(1):129–30

Computer-assisted practitioner-response system for studying the use of cimetidine. Schwartz JI, et al. **Am J Hosp Pharm** 1982 Jul;39(7):1198–201

Opportunity for clinical pharmacy in concurrent and prospective drug-use review [editorial] Stolar MH. **Am J Hosp Pharm** 1982 Jun;39(6):985

Drug-use review and risk management: another view [letter] Tremblay J. **Am J Hosp Pharm** 1982 Apr;39(4):578–80

Scientific versus commercial sources of influence on the prescribing behavior of physicians. Avorn J, et al. **Am J Med** 1982 Jul;73(1):4–8

The impact of an educational program on gentamicin use in a teaching hospital. Johnson MW, et al. **Am J Med** 1982 Jul;73(1):9–14

Do prescriptions adversely affect doctor-patient interactions? Wartman SA, et al. **Am J Public Health** 1981 Dec; 71(12):1358–61

Utilization of antibiotics: analysis of appropriateness of use. Bernstein LR, et al. **Ann Emerg Med** 1982 Aug;11(8):400–3

Drug use, the package insert, and the practice of medicine [editorial] Roth SH. **Arch Intern Med** 1982 May; 142(5):871–2

A prescription survey for selected community pharmacies in Zimbabwe. Mehta NA, et al. **Cent Afr J Med** 1981 Aug; 27(8):154–5

Evaluating drug use behavior. Freeman HE, et al. **Drug Intell Clin Pharm** 1982 Apr;16(4):313–9

Internal standards: rationale for use in a drug utilization review program. Huber SL, et al. **Drug Intell Clin Pharm** 1981 Oct;15(10):789–92

Using Medicaid data to identify patients with drug therapy problems. McGhan WF, et al. **Inquiry** 1982 Spring; 19(1):79–88

Drug utilisation in antenatal and postnatal wards. Treacy V, et al. **Ir Med J** 1981 Jun;74(6):159–60

A survey of the use of selected drugs in dental practice. Picozzi A, et al. **J Am Dent Assoc** 1981 Oct;103(4):597–9

Antimicrobial usage in forty-three hospitals in England. Leigh DA. **J Antimicrob Chemother** 1982 Jan;9(1):75–84

Record-linked audit of drug utilization data in a hospital: antimicrobial use on a urology ward. Hekster YA, et al. **J Clin Hosp Pharm** 1981 Dec;6(4):277–83

Hospital consultants—an influence on G.P. prescribing? A pilot study. Strickland-Hodge B, et al. **J Clin Hosp Pharm** 1982 Jun;7(2):131–6

Inappropriate drug prescribing: a soluble problem? Geyman JP. **J Fam Pract** 1982 Jul;15(1):15, 18

Antibiotic prescribing in a family medicine residency program. Robinson JD, et al. **J Fam Pract** 1982 Jul; 15(1):111–7

Correlation of antibiotic usage with an antibiotic policy in a urological ward. Casewell MW, et al. **J Hosp Infect** 1981 Mar;2(1):55–61

Post-marketing surveillance: drug epidemiology. Borden EK. **J Int Med Res** 1981;9(6):401–7

Use of psychotropic drugs among the aged revisited. Glazer GB, et al. **J Psychoactive Drugs** 1981 Apr–Jun;13(2):195–8

Sex differences in prescription drug use of older adults. Whittington FJ, et al. **J Psychoactive Drugs** 1981 Apr–Jun; 13(2):175–83

Psychotropic prescribing. What am I doing? Varnam MA. **J R Coll Gen Pract** 1981 Aug;31(229):480–3

Hereford Hospital Prescribing Study: description and usefulness. Barnett JW, et al. **J R Soc Med** 1981 Sep; 74(9):661–6

Improved antibiotic usage following introduction of a novel prescription system. Durbin WA Jr, et al. **JAMA** 1981 Oct 16;246(16):1796–800

Psychotropic drugs in the ambulatory care of elderly males. Harris R, et al. **Med Care** 1981 Sep;19(9):930–37

Noninvestigational use of unapproved drugs—experience from the Scandinavian countries. Hemminki E. **Med Care** 1981 Oct;19(10):1056–60

The interaction among the criteria physicians use when prescribing. Zelnio RN. **Med Care** 1982 Mar;20(3):277–85

Patterns of hypnotic prescribing and usage in residential homes for the elderly. Morgan K, et al. **Neuropharmacology** 1981 Dec;20(12B):1355–6

The giving and taking of psychotropic drugs in New Zealand. Reinken J, et al. **NZ Med J** 1982 Jul 28;95(712):489–92

Drug therapy for ambulatory pediatric patients in 1979. Kennedy DL, et al. **Pediatrics** 1982 Jul;70(1):26–9

Antibiotic review performed by a pharmacy and therapeutics subcommittee. Klapp DL, et al. **QRB** 1982 Jan;8(1):15–9

Evaluation of antibiotic usage: a comprehensive look at alternative approaches. Kunin CM. **Rev Infect Dis** 1981 Jul–Aug;3(4):745–53

Antibiotic use on the surgical services of two Jerusalem hospitals, as determined by surveillance and influenced by an intervention program. Shapiro M, et al. **Rev Infect Dis** 1981 Jul–Aug;3(4):754–9

Epidemiologic aspects of drug utilization in a newborn intensive care unit. Aranda JV, et al. **Semin Perinatol** 1982 Apr;6(2):148–54

Statistical malpractice in drug promotion: a case-study from Brazil. Victora CG. **Soc Sci Med** 1982;16(6):707–9

Dentists' preferred sources of new drug information and their attitudes toward the use of drugs by patients. Murray BP. **Soc Sci Med [a]** 1981 Dec;15A(6):781–8

[Drug habits and acute surgical admission. A report of routine intake of medicine and follow-up during hospitalization in department for emergency surgery] Jahnsen T. **Ugeskr Laeger** 1981 Mar 23;143(13):810–4 (Eng. Abstr.) **(Dan)**

[The role of Academies of Medicine in the regulation of drug use] Valette G. **Bull Mem Acad R Med Belg** 1980; 135(9):564–72 **(Fre)**

[Relationship between bacterial sensitivity to antimicrobial agents and their consumption (author's transl)] Jarlier V, et al. **Nouv Presse Med** 1981 Nov 28;10(43):3545–8 (Eng. Abstr.) **(Fre)**

[A survey on the use of antibiotics in veterinary medicine (author's transl)] Boisseau J. **Toxicol Eur Res** 1982 Mar; 4(2):77–82 (Eng. Abstr.) **(Fre)**

[The use of drugs in Norwegian prisons] Flatmark A, et al. **Tidsskr Nor Laegeforen** 1981 Jul 10;101(19–21):1145–50 (Eng. Abstr.) **(Nor)**

[The consumption of drugs in Zagreb area (author's transl)] Stritof M, et al. **Lijec Vjesn** 1981;103(4–5):159–64 (Eng. Abstr.) **(Scr)**

[A study of 1548 family medicine cupboards in Granada, Spain (author's transl)] Puche E, et al. **Med Clin (Barc)** 1982 Jul 1–31;79(3):118–21 (Eng. Abstr.) **(Spa)**

ECONOMICS

Use of clinical pharmacists to reduce cefamandole, cefoxitin, and ticarcillin costs. Abramowitz PW, et al. **Am J Hosp Pharm** 1982 Jul;39(7):1176–80

Cost containment through restriction of cephalosporins. Britton HL, et al. **Am J Hosp Pharm** 1981 Dec; 38(12):1897–900

The cost benefit of drug reviews in long-term care facilities. Kidder SW. **Am Pharm** 1982 Jul;22(7):63–7

Will all new drugs become orphans? Lasagna L. **Clin Pharmacol Ther** 1982 Mar;31(3):285–9

Effects of capitation payment for pharmacy services on pharmacist-dispensing and physician-prescribing behavior: II. Therapeutic category analysis, over-the-counter drug usage, and drug interactions. Norwood GJ, et al. **Drug Intell Clin Pharm** 1981 Sep;15(9):656–64

LEGISLATION & JURISPRUDENCE

Over (or Under) prescription of antipsychotic drugs: tardive dyskinesia and other liability exposure. Fried JM. **J Clin Psychopharmacol** 1981 Jul;1(4):246–8

TRENDS

Utilization of analgesics from 1970 to 1978. Prescription patterns in the county of Jämtland and in Sweden as a whole. Gustafsson LL, et al. **Acta Med Scand** 1982; 211(6):419–25

Changes in the prescription of anticholinergic drugs (1970–1977) in a state hospital. Craig TJ, et al. **Int Pharmacopsychiatry** 1981;16(2):84–91

The Hereford Hospitals prescribing study. Changes in the prescribing patterns of anti-bacterial agents in the medical wards of a district general hospital over four years. Alexander AM, et al. **J Clin Hosp Pharm** 1981 Mar; 6(1):57–61

Hospital prescribing and the sleeping pill habit [letter] Hill S, et al. **Lancet** 1981 Oct 17;2(8251):872–3

The use of prescribed psychotropic medicines. Williams P. **Public Health Rev** 1980 Jul–Dec;9(3–4):215–47 (87 ref.)

The case for prospective and concurrent drug utilization review. Stolar MH. **QRB** 1982 Jun;8(6):6–10

Research on psychotropic drug use. A review of findings and methods. Cooperstock R, et al. **Soc Sci Med** 1982; 16(12):1179–96

Trends in psychotropic drugs dispensing 1967–1977: the impact of government controls in Australia. Mant A, et al. **Soc Sci Med** 1982;16(6):699–706

Measuring the market for veterinary pharmaceuticals. West CN. **Vet Rec** 1982 Feb 27;110(9):206–7

[Prognoses and innovative classes of new drugs] Federmann J, et al. **Cesk Farm** 1981 Nov;30(9):303–9 (Eng. Abstr.) **(Cze)**

[Therapeutic innovations in ambulatory care] Debbiche M, et al. **Cah Sociol Demogr Med** 1982 Jan–Mar;22(1):67–103 **(Fre)**

[Statistical studies of the consumption of psychotropic drugs in an urban community] Rodriguez G, et al. **Arch E Maragliano Patol Clin** 1978;34(2):165–9 **(Ita)**

[Variant factors affecting selection of pharmacotherapeutic agents] Sułkowski H. **Pol Tyg Lek** 1981 Jul 13; 36(28):1067–9 **(Pol)**

DRUG WITHDRAWAL SYMPTOMS see **SUBSTANCE WITHDRAWAL SYNDROME**

DRUGS

see related
PLANTS, MEDICINAL

Potential confusion resulting from trade-name similarities [letter] Lewis BP. **Am J Hosp Pharm** 1982 Jul;39(7):1148

Cost of developing a computerized drug file. Strand LM, et al. **Am J Hosp Pharm** 1981 Sep;38(9):1334–6

New drugs of the year. Hussar DA. **Am Pharm** 1982 Mar; 22(3):29–47

Designing a drug kit. Morrow GT. **Dent Clin North Am** 1982 Jan;26(1):21–33

Comment on tartrazine-containing products [letter] Souney PF, et al. **Drug Intell Clin Pharm** 1982 Jul–Aug;16(7–8):620

Drugs, health, and the quality of life [letter] Wertheimer AI, et al. **Drug Intell Clin Pharm** 1982 Feb;16(2):164–7

The gastrointestinal tract as a vehicle for drug smuggling. Sinner WN. **Gastrointest Radiol** 1981;6(4):319–23

Satellite symposium to the XII International Congress of Gerontology, Bremen, July 10–11, 1981. Influence of old age on the effect of drugs. **Gerontology** 1982;28 Suppl 1:1–137

Influence of old age on the effect of drugs. Opening remarks. Bergener M. **Gerontology** 1982;28 Suppl 1:1–4

A major limitation of the percentile index of overall drug use indulgence. Douglass FM 4th, et al. **Int J Addict** 1982 Feb;17(2):283–94

Drugs (prescription, over-the-counter, social) and the young adult: use and attitudes. Vener AM, et al. **Int J Addict** 1982 Apr;17(3):399–415

Statistical methods in parenteral drug research. III. Discrete statistical distribution functions and tests of hypotheses. Porter WR. **J Parenter Sci Technol** 1982 May–Jun; 36(3):134–40

Theoretical comparison of release rates of drugs into sink and nonsink conditions. Guy RH, et al. **J Pharm Sci** 1981 Nov;70(11):1243–5

Initial human trials with an investigational new drug (phase I and 2): planning an management. Vaidya AB, et al. **J Postgrad Med** 1981 Oct;27(4):197–213

Local law enforcement policies directed toward illicit drug selling and usage. Grizzle GA. **J Psychoactive Drugs** 1981 Jul–Sep;13(3):227–34

Sex differences in prescription drug use of older adults. Whittington FJ, et al. **J Psychoactive Drugs** 1981 Apr–Jun; 13(2):175–83

Street drugs are not what they seem [letter] Morgan JP. **Lancet** 1982 Jul 31;2(8292):265–6

A non-invasive method of qualitative and quantitative measurement of drugs. Westerman ST, et al. **Laryngoscope** 1981 Sep;91(9 Pt 1):1536–47

The development of orphan products. Finkel MJ. **N Engl J Med** 1982 Oct 7;307(15):963–4

Too many drugs? [letter] Upton C. **Nature** 1982 Jul 8; 298(5870):114, 210

Attitudinal correlates of employee theft of drugs and hospital supplies among nursing personnel. Jones JW. **Nurs Res** 1981 Nov–Dec;30(6):349–51

Summary of new drugs marketed in U.S.A. in 1980. **NY State J Med** 1981 Oct;81(11):1630–4

Can 'charitable' drugs be a useful form of aid? The New Zealand experience. Nicholson G, et al. **Trop Doct** 1982 Apr;12(2):90–1

Radiopacity of drugs and plants in vivo–limited usefulness. Jaeger RW, et al. **Vet Hum Toxicol** 1981;23(Suppl 1):2–4

[Drugs and motor driving] Schou J. **Ugeskr Laeger** 1981 Apr 27;143(18):1141–5 (Eng. Abstr.) **(Dan)**

[What should be done with leftover animal drugs?] Boogaerdt J. **Tijdschr Diergeneeskd** 1982 Apr 1;107(7):292–4 **(Dut)**

[The drug problem in the opinion of working women—representative study] Biener K. **Off Gesundheitswes** 1981 Nov;43(11):578–82 **(Ger)**

[Progress in drug development. 14.] Délenk–Heydenreich K, et al. **Pharmazie** 1981 Nov;36(11):723–48 (362 ref.) **(Ger)**

[Development of new drugs in Nippon (author's transl)] Kobo B. **Pharmazie** 1981 Dec;36(12):799–804 **(Ger)**

[The effect of drugs on laboratory diagnosis] Böhme HR, et al. **Z Med Lab Diagn** 1981;22(2):76–82 (64 ref.) (Eng. Abstr.) **(Ger)**

[Sorption of drugs by plastics] Szerdahelyi R, et al. **Acta Pharm Hung** 1982 Jan;52(1):15–21 (Eng. Abstr.) **(Hun)**

[Effects of drugs on enzyme studies in clinical analysis] **Folia Med Cracov** 1980;22(3–4):137–475 **(Pol)**

[Drugs and communication: ordination and value concept] Faraco EZ. **AMB** 1981 May;27(5):165–8 **(Por)**

[Polypragmatism and its implications for longevity] Creţeanu G, et al. **Rev Med Chir Soc Med Nat Iasi** 1981;85(1):127–31 **(Rum)**

[Current approaches to the development of new pharmacologically active (medicinal) substances] Mashkovskiĭ MD. **Vestn Akad Med Nauk SSSR** 1982; (5):9–14 (Eng. Abstr.) **(Rus)**

ADMINISTRATION & DOSAGE

Aerosolized drugs [letter] Robinson JD, et al. **Am J Dis Child** 1981 Nov;135(11):1079

Effect of telephone follow-up on medication compliance. Garnett WR, et al. **Am J Hosp Pharm** 1981 May; 38(5):676–9

Interactions between drugs and intravenous delivery systems. Kowaluk EA, et al. **Am J Hosp Pharm** 1982 Mar; 39(3):460–7

Slow intravenous infusion of drugs [letter] Beahan PG. **Anaesth Intensive Care** 1981 Nov;9(4):398–9

Repeated-measures bioassay with correlated errors and heterogeneous variances: a Monte Carlo study. Elashoff JD. **Biometrics** 1981 Sep;37(3):475–82

Dosage adjustment in renal insufficiency. Mawer GE. **Br J Clin Pharmacol** 1982 Feb;13(2):145–53

Transdermal drug administration—a nuisance becomes an opportunity [editorial] Shaw JE, et al. **Br Med J [Clin Res]** 1981 Oct 3;283(6296):875–6

Calculator assisted determination of dilutions for continuous infusion ICU medications. Neu J, et al. **Crit Care Med** 1982 Sep;10(9):610–2

Techniques of drug administration. Shaber EP, et al. **Dent Clin North Am** 1982 Jan;26(1):35–48

Rate-controlled drug dosage. Urquhart J. **Drugs** 1982 Mar; 23(3):207–26 (94 ref.)

A general method for calculating the dosage scheme in linear pharmacokinetics. Schwilden H. **Eur J Clin Pharmacol** 1981;20(5):379–86

Pattern and extent of drug intake during pregnancy in Indian women. Naga Rani MA, et al. **Indian J Med Res** 1981 Aug;74:297–300

Simulation package for multiple intravenous infusions of two compartment pharmacokinetic drugs. Wurster DE, et al. **Int J Biomed Comput** 1981 Nov;12(6):455–70

Drug administration audit. Bailie GR, et al. **J Clin Hosp Pharm** 1981 Dec;6(4):285–6

The development of a drug dosage adjustment service for patients with renal impairment. Libiszewski D. **J Clin Hosp Pharm** 1981 Mar;6(1):39–49

Molecular weight and therapeutic dose of drug. Lien EJ. **J Clin Hosp Pharm** 1982 Jun;7(2):101–6

Sorption to plastic syringes of drugs administered by syringe pump. Simmons A, et al. **J Clin Hosp Pharm** 1981 Mar; 6(1):71–3

Cell-specific ligands for selective drug delivery to tissues and organs. Ponpipom MM, et al. **J Med Chem** 1981 Dec; 24(12):1388–95

A technique for central drug administration in Octopus vulgaris. Andrews PL, et al. **J Neurosci Methods** 1981 Oct; 4(3):243–7

Constant-current source for an electrolytic microinfusion transducer system. Mundl WJ. **J Neurosci Methods** 1981 Oct;4(3):287–90

Influence of specific gravity on intravenous drug delivery. Rajchgot P, et al. **J Pediatr** 1981 Oct;99(4):658–61

Influence of administration route on drug delivery to a target organ. Oie S, et al. **J Pharm Sci** 1981 Dec;70(12):1344–7

Single-point maintenance dose prediction: role of interindividual differences in clearance and volume of distribution in choice of sampling time. Slattery JT. **J Pharm Sci** 1981 Oct;70(10):1174–6

Experience in posology. Ptaszynski EM, et al. **JNE** 1981 Oct; 20(8):41–6

Steady state drug or fluid delivery to injured or transected spinal cord of rats. de la Torre JC, et al. **Lab Anim Sci** 1981 Dec;31(6):701–3

Vascular access catheters for chemotherapy. Long-term follow-up. Crea P. **Med J Aust** 1982 May 15;1(10):427–9

Clinical prospects for liposomes. Yatvin MB, et al. **Med Phys** 1982 Mar–Apr;9(2):149–75 (285 ref.)

Rate-controlled drug delivery. Goldman P. **N Engl J Med** 1982 Jul 29;307(5):286–90 (28 ref.)

Hypodermic medication; early history. Haller JS Jr. **NY State J Med** 1981 Oct;81(11):1671–9

Dental caries potential of liquid medications. Feigal RJ, et al. **Pediatrics** 1981 Sep;68(3):416–9

Long term catheterization of the lumbar epidural space in rats. van den Hoogen RH, et al. **Pharmacol Biochem Behav** 1981 Sep;15(3):515–6

Immobilized and insolubilized drugs, hormones, and neurotransmitters: properties, mechanisms of action and applications. Venter JC. **Pharmacol Rev** 1982 Jun; 34(2):153–87 (409 ref.)

Effects of sociodemographic and attitudinal factors on mother-initiated medication behavior for children. Maiman LA, et al. **Public Health Rep** 1982 Mar–Apr;97(2):140–9

A best time of day for the administration of drugs? Knapp MS, et al. **Scand J Rheumatol [Suppl]** 1981;39:33–5

Further considerations of the 'single-point single-dose' method to estimate individual maintenance dosage requirements. Unadkat JD, et al. **Ther Drug Monit** 1982; 4(2):201–8

Panel conference. Implantable drug delivery systems. Langer R, et al. **Trans Am Soc Artif Intern Organs** 1981;27:648–54

[An investigation on the dosage of herbal drug administration described in the medical works unearthed in Ma Wan Dui tomb of Han Dynasty (author's transl)] Ma JX. **Chung Yao Tung Pao** 1981 May;6(3):41–3 **(Chi)**

[Importance of drug dosage in pediatric therapy] Brazier JL, et al. **Tunis Med** 1981 Jul–Aug;59(4):257–64 (Eng. Abstr.) **(Fre)**

[Transdermal drug administration] Sewing KF. **Dtsch Med Wochenschr** 1982 Apr 23;107(16):603–4 **(Ger)**

[Possibilities and problems of organ-selective active principles and drugs] Hamacher H. **Pharmazie** 1981 Jun; 36(6):391–9 (52 ref.) **(Ger)**

[Use of diadynamic currents for the electrophoretic introduction of drugs (experimental study)] Butskevich GK, et al. **Vopr Kurortol Fizioter Lech Fiz Kult** 1981 Nov–Dec;(6):19–22 (Eng. Abstr.) **(Rus)**

[Problems in optimization of drug electrophoresis] Oranskiĭ IE, et al. **Vopr Kurortol Fizioter Lech Fiz Kult** 1982 May–Jun;(3):9–12 **(Rus)**

[Drug electrophoresis] Orzheshkovskiĭ VV. **Vrach Delo** 1981 Oct;(10):90–2 **(Rus)**

ADVERSE EFFECTS

Risks of drugs to the fetus and the neonate. Sahu S. **Am Fam Physician** 1981 Oct;24(4):147–9

Drugs and the nursing mother. Sahu S. **Am Fam Physician** 1981 Dec;24(6):137–8

Drug-use review and risk management. Keys PW. **Am J Hosp Pharm** 1981 Oct;38(10):1533–4

New street drugs: new dangers. **Am Pharm** 1981 Oct; 21(10):49

Food and drug interactions. Carr CJ. **Annu Rev Pharmacol Toxicol** 1982;22:19–29 (67 ref.)

Comparison of two recently published algorithms for assessing the probability of adverse drug reactions. Busto U, et al. **Br J Clin Pharmacol** 1982 Feb;13(2):223–7

Interaction between drugs and solvents as a cause of fatty change in the liver? Edling C. **Br J Ind Med** 1982 May; 39(2):198–9

Crying wolf on drug safety [editorial] **Br Med J [Clin Res]** 1982 Jan 23;284(6311):219–20

Prospective monitoring for adverse reactions to drugs in general practice. Drury M, et al. **Br Med J [Clin Res]** 1981 Nov 14;283(6302):1305–7

Validity of anecdotal reports of suspected adverse drug reactions: the problem of false alarms. Venning GR. **Br Med J [Clin Res]** 1982 Jan 23;284(6311):249–52

How good are articles on adverse drug reactions? Venulet J, et al. **Br Med J [Clin Res]** 1982 Jan 23;284(6311):252–4

Drugs and breast feeding. Beeley L. **Clin Obstet Gynaecol** 1981 Aug;8(2):291–5 (8 ref.)

Drug–nutrient interaction. Matsui MS, et al. **Clin Ther** 1982; 4(6):423–40 (100 ref.)

Report: alcohol, drugs, exercise. **Colo Med** 1982 Mar; 79(3):105–6

A questionnaire for the clinical assessment of veterinary adverse drug reactions. Hoskins JD, et al. **Cornell Vet** 1982 Jan;72(1):3–15

Drug liability in dental litigation. Owen AP. **Dent Clin North Am** 1982 Apr;26(2):307–16

Drugs and liver disease: a tabular compilation of drugs and the histopathological changes that can occur in the liver. Tucker RA. **Drug Intell Clin Pharm** 1982 Jul–Aug; 16(7–8):569–80 (313 ref.)

Post-marketing drug surveillance: an idea whose time has come. Strom BL. **Drug Ther** 1982;:155–63

Inadequacy of the literature on the relationship between drugs, ulcers, and gastrointestinal bleeding. Kurata JH, et al. **Gastroenterology** 1982 Feb;82(2):373–6

Drug related myocarditis. I. Hypersensitivity myocarditis. Fenoglio JJ Jr, et al. **Hum Pathol** 1981 Oct;12(10):900–7

Drug- and heavy metal—induced hyperpigmentation. Granstein RD, et al. **J Am Acad Dermatol** 1981 Jul; 5(1):1–18 (82 ref.)

Allergy and adverse drug reactions. VanArsdel PP Jr. **J Am Acad Dermatol** 1982 May;6(5):833–45 (44 ref.)

Adverse drug reactions among the elderly: a reassessment. Klein LE, et al. **J Am Geriatr Soc** 1981 Nov;29(11):525–30 (58 ref.)

Drug use in the elderly. Caranasos GJ. **J Fla Med Assoc** 1982 Apr;69(4):294–7

Metabolic activation and drug toxicity. Nelson SD. **J Med Chem** 1982 Jul;25(7):753–65 (128 ref.)

Adverse reactions to radiopharmaceuticals [letter] Cordova MA, et al. **J Nucl Med** 1982 Jun;23(6):550–1

Drug reactions [letter] Carew-McColl M. **J R Coll Gen Pract** 1981 Aug;31(229):505

Risks to children from computed tomographic scan premedication. Mitchell AA, et al. **JAMA** 1982 May 7; 247(17):2385–8

Was it the drug? [editorial] **Lancet** 1982 Jul 31;2(8292):251

Adverse Drug Reactions Advisory Committee: ADRAC report for 1980. **Med J Aust** 1982 May 15;1(10):416–9

Evidence and appraisal of adverse reactions to drugs and other preparations used in hospital practice: detection, validation, outlook for the future. Campbell JS, et al. **Methods Achiev Exp Pathol** 1981;10:221–43 (71 ref.)

Clinical drug information: a case of misinformation [letter] Rowles B, et al. **N Engl J Med** 1982 Jan 14;306(2):113–4

Drugs as carcinogens [letter] Montesano R. **Nature** 1982 Aug 12;298(5875):600

Medicines and malformations [letter] McQueen EG. **NZ Med J** 1982 Apr 14;95(705):241

New Zealand Committee on adverse drug reactions: sixteenth annual report 1981. McQueen EG. **NZ Med J** 1982 Apr 14;95(705):230–3

Adverse reactions to drugs and their physico-chemical properties. Lewis JG. **Postgrad Med J** 1981 Nov; 57(673):679–82 (13 ref.)

Monitoring adverse effects of drugs in the community. Martys CR. **Practitioner** 1981 May;225(1355):619–21

Drug-induced liver disease. Holzbach RT. **Primary Care** 1981 Jun;8(2):231–50 (24 ref.)

Intergroup and intragroup variables affecting interpretation of studies of drug effects on nutritional status. Roe DA. **Prog Clin Biol Res** 1981;77:757–71

Clinical detection and assessment of drug induced neurotoxicity. Naranjo CA, et al. **Prog Neuropsychopharmacol** 1981;5(5–6):427–34

Adverse drug reactions—when is an adverse drug reaction not an adverse drug reaction? Leber P. **Psychopharmacol Bull** 1982 Apr;18(2):6–9

Bacillus cereus panophthalmitis: source of the organism. Shamsuddin D, et al. **Rev Infect Dis** 1982 Jan–Feb; 4(1):97–103

Side-effect reduction by use of drugs that bind to separate but equivalent binding sites. Ehrenstein G, et al. **Science** 1981 Dec 18;214(4527):1365–6

Suspected drug-induced hepatic reactions reported to the FDA's adverse reaction system: an overview. Jones JK. **Semin Liver Dis** 1981 May;1(2):157–67 (22 ref.)

Drug-induced liver disease: an overview. Zimmerman HJ. **Semin Liver Dis** 1981 May;1(2):93–103 (56 ref.)

Drug-induced liver disease. Foreword. Zimmerman HJ. **Semin Liver Dis** 1981 May;1(2):91–2

Abstracts of the symposium on safety evaluation of drugs and chemicals. June 1–3, 1981, Iowa State University, Ames, Iowa. **Vet Hum Toxicol** 1981 Oct;23(5):344–9

Morbidity of street speed – an update. Saxena K, et al. **Vet Hum Toxicol** 1981;23(Suppl 1):10–2

[Risks in the delivery of drugs from the point of manufacture to the patient. I. Risks in manufacturing and compounding] Samková M, et al. **Cesk Farm** 1981 Dec;30(10):349–54 (Eng. Abstr.) **(Cze)**

[Adverse effects of drugs used in gynecology and obstetrics] **Cesk Gynekol** 1981 Dec;46(10):791–812 **(Cze, Slo)**

[Weighing use and safety of therapeutic agents and feed

additives (author's transl)] van der Wal P. **Tijdschr Diergeneeskd** 1982 Feb 1;107(3):78–85 (Eng. Abstr.) **(Dut)**

[Interference in the conversion of T4 to T3 and rT3 by medications in man] Burger AG, et al. **Ann Endocrinol (Paris)** 1981 Oct–Nov;42(4–5):461–9 (Eng. Abstr.) **(Fre)**

[Establishing a criteria: the bibliography (author's transl)] Begaud B, et al. **Therapie** 1981 May–Jun;36(3):233–6 (Eng. Abstr.) **(Fre)**

[Initial and terminal imputability of side effects (authors transl)] Dangoumau J, et al. **Therapie** 1981 May–Jun; 36(3):219–22 (Eng. Abstr.) **(Fre)**

[Industrial 'Pharmacosurveillance' of drugs—Due to an experience (author's transl)] Demarez JP, et al. **Therapie** 1981 May–Jun;36(3):395–9 (Eng. Abstr.) **(Fre)**

[Proposal for the assessment of an adverse reaction responsibility in death (author's transl)] Evreux JC, et al. **Therapie** 1981 May–Jun;36(3):249–54 (Eng. Abstr.) **(Fre)**

[Practice and difficulties of pharmacovigilance in a general hospital (author's transl)] Gerson M, et al. **Therapie** 1981 May–Jun;36(3):401–4 (Eng. Abstr.) **(Fre)**

[Comparative study of four methods of imputability (author's transl)] Leroy O, et al. **Therapie** 1981 May–Jun;36(3):223–7 (Eng. Abstr.) **(Fre)**

[Problems of the general practitioner in diagnosing side effects (author's transl)] Metrop A, et al. **Therapie** 1981 May–Jun;36(3):241–5 (Eng. Abstr.) **(Fre)**

[Undocumented side effects : from actual observation to data from the literature (author's transl)] Pere JC, et al. **Therapie** 1981 May–Jun;36(3):237–40 (Eng. Abstr.) **(Fre)**

[Accidents linked to magistral medicines (author's transl)] Riboulet–Delmas G, et al. **Therapie** 1981 May–Jun; 36(3):375–9 (Eng. Abstr.) **(Fre)**

[Search for weighted criteria in an algorithm of imputability (author's transl)] Salamon R, et al. **Therapie** 1981 May–Jun; 36(3):229–31 (Eng. Abstr.) **(Fre)**

[Methods of adverse drug reactions monitoring. II. Frequencies estimations (author's transl)] Spriet–Pourra C, et al. **Therapie** 1982 Jan–Feb;37(1):13–22 (Eng. Abstr.) **(Fre)**

[Unwanted side effects of veterinary drugs (author's transl)] Hapke HJ. **DTW** 1981 Jul 5;88(7):274–8 (Eng. Abstr.) **(Ger)**

[Contraindications, side–effects and interactions of various groups of drugs] Fischer AR. **Ther Ggw** 1982 May; 121(5):325–33 **(Ger)**

[Even side–effects can be therapeutically useful] Müller–Plettenberg D. **Ther Ggw** 1982 Feb;121(2):126–8 **(Ger)**

[Drugs and laboratory diagnosis] Böhme HR. **Z Arztl Fortbild (Jena)** 1981 Jun 1;75(11–12):547 **(Ger)**

[Learning from undesired drug effects] Bock HE. **ZFA (Stuttgart)** 1982 May 10;58(13):730–3 **(Ger)**

[How do we learn from side effects?] Kimbel KH. **ZFA (Stuttgart)** 1982 May 10;58(13):740 **(Ger)**

[Therapeutic side effects. The role of pathologists in explaining them] Selberg W. **ZFA (Stuttgart)** 1982 May 10;58(13):734–6 **(Ger)**

[Toxic effects of drugs on the cardiovascular system] Anibaldi A, et al. **Minerva Pediatr** 1982 Mar 15; 34(5):215–24 (Eng. Abstr.) **(Ita)**

[Drug administration to pregnant women and its hematologic repercussions in the newborn infant] Diniz EM, et al. **Rev Paul Med** 1981 Jul–Sep;97(7–9):125–9 (Eng. Abstr.) **(Por)**

[Clinico–pharmacological aspects of the side effects of drug therapy] Chekman IS. **Farmakol Toksikol** 1982 May–Jun; 45(3):31–5 **(Rus)**

[Socio–pharmacological aspects of clinical pharmacology] Walter H. **Farmakol Toksikol** 1982 May–Jun;45(3):18–22 **(Rus)**

[Hepatotoxic effects of drugs in childhood (author's transl)] Morlán A, et al. **An Esp Pediatr** 1982 Jan;16(1):66–76 (Eng. Abstr.) **(Spa)**

ANALYSIS

Symposium on trace analysis of drugs and related compounds in complex mixtures. Stockholm, 18–20 November 1981. Abstracts. **Acta Pharm Suec** 1982;19(1):50–80

Forensic drug analysis: scientist versus instrument. Sobol SP. **Am J Forensic Med Pathol** 1982 Mar;3(1):93–5

Airborne drug levels in a laminar–flow hood. Kleinberg ML, et al. **Am J Hosp Pharm** 1981 Sep;38(9):1301–3

Behind the identification of China White. Kram TC, et al. **Anal Chem** 1981 Oct;53(12):1379A–1386A

Development and evaluation of selected assays for drugs metabolites in biological materials. De Leenheer AP, et al. **Analyst** 1981 Oct;106(1267):1025–35

Aspects of the analysis of drugs and drug metabolites by high–performance liquid chromatography. Skellern GG. **Analyst** 1981 Oct;106(1267):1071–5

Determination of mercury in pharmaceutical products by atomic–absorption spectrophotometry using a carbon rod atomiser. Takla PG, et al. **Analyst** 1982 Apr; 107(1273):378–84

Differentiation and comparison of raw, prepared and dross opium. Lim HY, et al. **Bull Narc** 1981;33(1):31–41

Impurities in illicit amphetamine: review. Sinnema A, et al. **Bull Narc** 1981;33(3):37–54 (42 ref.)

Interactions among enzyme, antibody, drug, and time in enzyme immunoassays for drugs of abuse. Osterloh J, et al. **Clin Chem** 1982 Feb;28(2):327–32

Specificity of the EMIT drug abuse urine assay methods. Allen LV Jr, et al. **Clin Toxicol** 1981 Sep;18(9):1043–65

Determination of residual solvents in drugs by head–space gas–chromatography. Bicchi C, et al. **Farmaco [Prat]** 1982 Mar;37(3):88–97

The use of 13C NMR spectroscopy in forensic drug analysis. Alm S, et al. **Forensic Sci Int** 1982 May–Jun;19(3):271–80

Behaviour of the different oxidation states of As, Sb, Se an Sn using dithiocarbamates for their separation from environmental, food and drug samples. Seltner HD, et al. **Int J Environ Anal Chem** 1981;10(1):7–12

Combined use of fused silica capillary columns and nitrogen–phosphorus detection for the toxicological analysis of illicit heroin samples. Demedts P, et al. **J Anal Toxicol** 1982 Jan–Feb;6(1):30–3

Utilization of direct liquid inlet LC/MS in studies of pharmacological and toxicological importance. Kenyon CN, et al. **J Anal Toxicol** 1981 Sep–Oct;5(5):216–30

Application of the photo–conductivity detector to the liquid chromatographic analysis of pharmaceuticals in biological fluids. McKinley WA. **J Anal Toxicol** 1981 Sep–Oct; 5(5):209–15

Some realities and results of proficiency testing of laboratories performing toxicological analyses. Mason MF. **J Anal Toxicol** 1981 Sep–Oct;5(5):201–8

A method for the separation and determination of neutral compounds in postmortem tissues. Nakamura GR, et al. **J Anal Toxicol** 1981 Jul–Aug;5(4):162–4

An update of approaches toward the fluorescence immunoassay of drugs. Quattrone AJ, et al. **J Anal Toxicol** 1981 Sep–Oct;5(5):245–8

Identification of a new phencyclidine analog, 1–(1–phenylcyclohexyl)–4–methylpiperidine, as a drug of abuse. Soine WH, et al. **J Anal Toxicol** 1982 Jan–Feb; 6(1):41–3

Removal of interfering phenolic compounds in the analysis of drugs in biological material. Street HV. **J Anal Toxicol** 1981 Jul–Aug;5(4):187–93

Detection of drugs in vitreous humor with an enzyme immunoassay technique. Vogel J, et al. **J Anal Toxicol** 1981 Nov–Dec;5(6):307–9

Colorimetric determination of certain phenol derivatives in pharmaceutical preparations. Hassan SM, et al. **J Assoc Off Anal Chem** 1981 Nov;64(6):1442–5

Liquid chromatographic identification of cis– and trans–cinnamoylcocaine in illicit cocaine. Noggle FT Jr, et al. **J Assoc Off Anal Chem** 1982 May;65(3):756–61

Separation and characterization of standard propoxyphene diastereomers and their determination in pharmaceutical and illicit preparations. Soni SK, et al. **J Assoc Off Anal Chem** 1981 Jul;64(4):875–83

Analytical methods for drugs in the next decade. Zarembo JE. **J Assoc Off Anal Chem** 1982 May;65(3):542–50

Gas–liquid chromatographic retention indices of 1318 substances of toxicological interest on SE–30 or OV–1 stationary phase. Ardrey RE, et al. **J Chromatogr** 1981 Dec 25;220(3):195–252 (39 ref.)

Identification of major drugs of abuse using chromatography. Gough TA, et al. **J Chromatogr Sci** 1982 Jul;20(7):289–329 (362 ref.)

A rapid isolation technique for drugs from tissues and fluids: use of the Du Pont Prep 1 system. Balkon J, et al. **J Forensic Sci** 1982 Jan;27(1):23–31

Drug detection at autopsy: a prospective study of 247 cases. Norton LE, et al. **J Forensic Sci** 1982 Jan;27(1):66–71

Identification of drugs using capillary gas liquid chromatography. Caddy B, et al. **J Forensic Sci Soc** 1982 Jan;22(1):3–31

Urine screening for drugs by EMIT. Fletcher SM. **J Forensic Sci Soc** 1981 Oct;21(4):327–32

A review of the use of saliva in the forensic detection of drugs and other chemicals. Idowu OR, et al. **J Forensic Sci Soc** 1982 Apr;22(2):123–35 (111 ref.)

The evolution of a community based drug analysis program. Falck R. **J Psychoactive Drugs** 1981 Oct–Dec;13(4):381–3

Concentrations of basic drugs in postmortem human myocardium. Bailey DN, et al. **J Toxicol Clin Toxicol** 1982 Apr;19(2):197–202

Spin immunoassay. Yang GC, et al. **Methods Enzymol** 1981; 74 Pt C:140–51

Analysis of creams. II. Quantitative determination of drugs in creams by titration in non–aqueous solvents. Van de Vaart FJ, et al. **Pharm Weekbl [Sci]** 1982 Feb 19;4(1):16–20

Drug content of the mother's milk. Szórády I. **Ther Hung** 1980;28(1):5–9

[Photoacoustic spectroscopy – a prospective method for evaluating drugs and their effects] Sladký P, et al. **Cesk Farm** 1981 Nov;30(9):310–8 **(Cze)**

[Defense and illustration of biological levels] Damas J. **Rev Med Liege** 1981 Oct 15;36(20):741–5 **(Fre)**

[Acetylprocaine in heroin preparations. Determination and quantification with high pressure liquid chromatography] Bernhauer D, et al. **Arch Kriminol** 1982 Jan–Feb; 169(1–2):25–30 **(Ger)**

[Drug determination in biological materials] Vycudilik W. **Beitr Gerichtl Med** 1981;39:397–427 (Eng. Abstr.) **(Ger)**

[Determination of drugs in the saliva] Mühlenbruch B. **Pharm Unserer Zeit** 1982 Mar;11(2):41–7 (74 ref.) **(Ger)**

[Color reactions of aldehyde and aromatic acids, intermediate stages and colored salts in an example of various drug substances (a contribution to structure determination in drug analysis)] Pindur U. **Pharm Unserer Zeit** 1982 May; 11(3):74–82 **(Ger)**

[Stability testing of solid drugs using preferentially thin–layer chromatography and differential thermal analysis. Part 7: The stability of drugs and preparations (author's transl)] Wollmann H, et al. **Pharmazie** 1981;36(7):453–6 (67 ref.) (Eng. Abstr.) **(Ger)**

[Identification of drugs in toxic doses in biological fluids using infrared Spectrophotometry] Bondoli A, et al. **Minerva Anestesiol** 1981 Dec;47(12):821–5 (Eng. Abstr.) **(Ita)**

BLOOD

Extent of analyst bias in drug–assay results. Lesko LJ, et al. **Am J Hosp Pharm** 1982 Mar;39(3):486–7

Pharmacokinetics service for ambulatory patients. Robinson JD. **Am J Hosp Pharm** 1981 Nov;38(11):1713–6

Pitfalls in deriving pharmacokinetic variables [letter] **Anesthesiology** 1982 Mar;56(3):235–9

Therapeutic drug monitoring and clinical pharmacokinetics. Paxton JW. **Aust NZ J Med** 1981 Oct;11(5):558–61

The assessment of fractional drug removal by extracorporeal dialysis. Lee CS. **Biopharm Drug Dispos** 1982 Apr–Jun; 3(2):165–73

Use of programmable calculator for the prediction of drug serum concentrations. Messori A, et al. **Boll Chim Farm** 1981 Nov;120(11):649–56

Acceptable sampling times at plateau for drug analysis. Rowland M, et al. **Br J Clin Pharmacol** 1981 Nov; 12(5):687–9

New fluorescence probes for drug–albumin interaction studies. Goya S, et al. **Chem Pharm Bull (Tokyo)** 1982 Apr; 30(4):1363–9

Effects of drug binding on the esterase–like activity of human serum albumin. IV. Application of an analog computer to determination of the multiple dissociation constants. Kurono Y, et al. **Chem Pharm Bull (Tokyo)** 1981 Oct; 29(10):2993–3002

A model independent approach to describe the blood disappearance profile of intravenously administered drugs. Takada K, et al. **Chem Pharm Bull (Tokyo)** 1981 May; 29(5):1462–6

Isolation of drugs from blood serum by the Du Pont Prep I Automated Sample Processor and a C18 bonded phase adsorption column. Repique EV, et al. **Clin Biochem** 1981 Aug;14(4):196–200

Free drug concentrations are constant in serial fractions of plasma ultrafiltrate [letter] Judd RL, et al. **Clin Chem** 1982 Jul;28(7):1726–7

Instrumentation and techniques for therapeutic drug monitoring. Dito WR. **Clin Lab Med** 1981 Sep;1(3):451–66

Organization of a laboratory service for therapeutic drug monitoring. Walters MI, et al. **Clin Lab Med** 1981 Sep; 1(3):439–50

Nonfatty acid–modulated variations in drug binding due to heparin. Naranjo CA, et al. **Clin Pharmacol Ther** 1982 Jun; 31(6):746–52

Kinetics of drug effect by distributed lags analysis: an application to cocaine. Zahler R, et al. **Clin Pharmacol Ther** 1982 Jun;31(6):775–82

Parameter optimisation in clinical pharmacokinetics. Kelman AW, et al. **Comput Programs Biomed** 1982 Jun;14(3):239–48

Comment on therapeutic monitoring [letter] Buchanan C, et al. **Drug Intell Clin Pharm** 1982 Jul–Aug;16(7–8):621–2

A calculator program to project serum drug concentration profiles during dosing schedules comprised of two fixed dosing intervals. Jones EM. **Int J Biomed Comput** 1982 Mar;13(2):97–107

Pharmacokinetic curve fitting and parameter determination by non–linear, iterative least squares regression analysis using a programmed minicalculator. Nielsen–Kudsk F. **Int J Biomed Comput** 1981 Nov;12(6):503–17

The significance of the arterial–venous plasma concentration difference in clearance studies. Chiou WL, et al. **Int J Clin Pharmacol Ther Toxicol** 1982 May;20(5):197–203

Fluorescence polarization immunoassay for the determination of therapeutic drug levels in human plasma. Jolley ME. **J Anal Toxicol** 1981 Sep–Oct;5(5):236–40

Rapid method for screening toxic drugs in serum with liquid chromatography. Kabra PM, et al. **J Anal Toxicol** 1981 Jul–Aug;5(4):177–82

Optimization of EMIT reagent system using a COBAS–BIO centrifugal analyzer. Ou CN, et al. **J Anal Toxicol** 1981 Sep–Oct;5(5):249–52

Alkylation with alkylhalides as a derivatization method for the gas chromatographic determination of acidic pharmaceuticals. Hulshoff A, et al. **J Chromatogr** 1981 Dec 25;220(3):275–311 (172 ref.)

Quantitative selected ion monitoring (QSIM) of drugs and/or drug metabolites in biological matrices. Garland WA, et al. **J Chromatogr Sci** 1981 Aug;19(8):392–434 (613 ref.)

Importance of protein binding for the interpretation of serum or plasma drug concentrations. Greenblatt DJ, et al. **J Clin Pharmacol** 1982 May–Jun;22(5–6):259–63

Circular dichroic examination of the interaction of some planar acidic drugs with tryptophan–modified human serum albumin. Vallner JJ, et al. **J Pharm Pharmacol** 1981 Nov;33(11):697–700

Effect of plasma protein binding on clearance of drugs metabolized by Michaelis–Menten kinetics. Bachmann K, et al. **J Pharm Sci** 1982 Mar;71(3):374–5

Importance of radiochemical purity of radiolabeled drugs

used for determining plasma protein binding of drugs. Bjornsson TD, et al. **J Pharm Sci** 1981 Dec;70(12):1372–3

Changes in plasma protein binding of drugs after blood collection from pregnant rats. Chou RC, et al. **J Pharm Sci** 1982 Apr;71(4):471–3

Area under the plasma concentration–time curve resulting from constant–rate drug input. Mayersohn M. **J Pharm Sci** 1981 Nov;70(11):1296–7

Use of unbound drug concentration in blood to discriminate between two models of hepatic drug elimination. Morgan DJ, et al. **J Pharm Sci** 1982 May;71(5):600–2

Properties of the recirculation model: matrix description and conditions for a monotonic decreasing single pass response. Cutler DJ. **J Pharmacokinet Biopharm** 1981 Apr; 9(2):217–23

Properties of the recirculation model: calculation of the amount of drug in the body from blood concentration data, with application to absorption rate calculations. Cutler DJ. **J Pharmacokinet Biopharm** 1981 Apr;9(2):225–34

The efficient use of NONLIN for unbalanced multiple dose data. Elfring GL, et al. **J Pharmacokinet Biopharm** 1981 Aug;9(4):497–501

The effect of duration of intravenous infusion on maximum and threshold blood concentration for drugs exhibiting biexponential elimination kinetics. Morgan DJ, et al. **J Pharmacokinet Biopharm** 1982 Feb;10(1):93–107

Heterogeneity of interstitial fluid space demonstrated by simultaneous kinetic analysis of the distribution and elimination of inulin and gallamine. Henthorn TK, et al. **J Pharmacol Exp Ther** 1982 Aug;222(2):389–94

Elementary pharmacokinetics in clinical practice. 6: Drug concentration monitoring. Paxton JW. **NZ Med J** 1982 Mar 10;95(703):150–3

Disposition of drugs in man by radioimmunoassay. Spector S. **Pharmacol Rev** 1982 Mar;34(1):73–6

Progress in therapeutic drug monitoring: clinical laboratory considerations. Jatlow P. **Prog Clin Pathol** 1981;8:153–73 (103 ref.)

Arterial–venous plasma concentration differences of six drugs in the dog and rabbit after intravenous administration. Chiou WL, et al. **Res Commun Chem Pathol Pharmacol** 1981 Apr;32(1):27–39

Effect of arterial–venous plasma concentration differences on the determination of mean residence time of drugs in the body. Chiou WL, et al. **Res Commun Chem Pathol Pharmacol** 1982 Jan;35(1):17–26

Are plasma drug levels clinically relevant? Sommers DK. **S Afr Med J** 1982 Jan 2;61(1):12–3

Pharmacokinetic principles in relation to serum drug sample collections. Breland BD, et al. **South Med J** 1981 Dec; 74(12):1439–42

[The red cell: pharmacological indicator to be re–evaluated? (editorial)] Jadot G, et al. **Nouv Presse Med** 1981 Nov 14; 10(41):3369–70 **(Fre)**

[A general method of simulating blood levels from dissolution data. 1. Single dose] Gueurten D, et al. **Pharm Acta Helv** 1981;56(9–10):276–80 (Eng. Abstr.) **(Fre)**

[Plasma binding and pharmacokinetics of drugs] Tillement JP, et al. **Rev Med Interne** 1982 Mar;3(1):75–80 (Eng. Abstr.) **(Fre)**

[Advantages of knowing the plasma concentration of a drug in pharmacovigilance (author's transl)] Gouedard H, et al. **Therapie** 1981 May–Jun;36(3):381–4 (Eng. Abstr.) **(Fre)**

[The use of the XAD–2 and XAD–4 isolation technics in toxicologic studies] Rengei B. **Morphol Igazsagugyi Orv Sz** 1981 Oct;21(4):297–302 (Eng. Abstr.) **(Hun)**

[Drug level monitoring and optimization of therapy (author's transl)] Ishizaki T. **Rinsho Byori** 1982 Apr;30(4):402–7 **(Jpn)**

[Therapeutic drug level monitoring (author's transl)] Saitoh Y. **Rinsho Byori** 1982 Apr;30(4):396–401 **(Jpn)**

[Therapeutic drug level monitoring in pediatric practice (author's transl)] Yoshioka H, et al. **Rinsho Byori** 1982 Apr; 30(4):390–5 **(Jpn)**

CHEMICAL SYNTHESIS

Potential misrepresentation of 3,4–methylenedioxyamphetamine (MDA). A toxicological warning. Shulgin AT, et al. **J Anal Toxicol** 1982 Mar–Apr; 6(2):71–5

Pro–drugs of amides, imides, and amines. Pitman IH. **Med Res Rev** 1981 Summer;1(2):189–214 (96 ref.)

Prodrug design. Notari RE. **Pharmacol Ther** 1981;14(1):25–53 (56 ref.)

CLASSIFICATION

Modes and classes of modes of action of physiologically active substances of receptor type under conditions of screening. Dmitrieva NV, et al. **Biol Bull Acad Sci USSR** 1980 May–Jun;7(3):223–8

DIAGNOSTIC USE

Drugs as indicators of hepatic function. Branch RA. **Hepatology** 1982 Jan–Feb;2(1):97–105

HISTORY

The opening up of Africa. Slotow M. **S Afr Med J** 1981 Oct 3;60(14):557–8

[Recently discovered medical preparations going back to Roman times] Apostolov M, et al. **Med Secoli** 1981 Jan–Apr;18(1):65–78 **(Ita)**

ISOLATION & PURIFICATION

Design of solvent extraction methods. Bush MT. **Methods Enzymol** 1981;77:353–72 (43 ref.)

[Extraction of drugs from biological material using kieselguhr] Volf K, et al. **Soud Lek** 1981 May;26(2):27–9 **(Cze)**

METABOLISM

Interaction between drug acetylation and ethanol, acetate, pyruvate, citrate, and L(–) carnitine in isolated rat liver parenchymal cells. Olsen H. **Acta Pharmacol Toxicol (Copenh)** 1982 Jan;50(1):67–74

Diphenylhydantoin stimulation of various pathways of hepatic microsomal drug metabolism in rabbits. Gut I, et al. **Acta Univ Carol [Med] (Praha)** 1980;26(1–2):105–14

Biochemical basis for dose response relationships in reactive metabolite toxicity. Jollow DJ, et al. **Adv Exp Med Biol** 1981;136 Pt A:99–113

Reactive metabolites as key intermediates in pharmacologic and toxicologic responses: examples from chemical carcinogenesis. Miller EC, et al. **Adv Exp Med Biol** 1981; 136 Pt A:1–21

Drug metabolism in rats with arthritis induced by 6–sulfanilamidoindazole (6–SAI). Müller D, et al. **Agents Actions** 1981 Dec;11(6–7):736–40

Clinical usefulness of tests of hepatic drug metabolism. Bircher J. **Agressologie** 1982 Jan;23(A):31–4

The biotransformation of drugs. Remmer H. **Agressologie** 1982 Jan;23(A):1–6

The distribution of drugs between blood and cerebro–spinal fluid man. Scherber A, et al. **Agressologie** 1981 Nov; 22(E):37–8

Quality assurance program for a clinical pharmacokinetic service. Lawson LA, et al. **Am J Hosp Pharm** 1982 Apr; 39(4):607–9

Collaborative clinical pharmacokinetic services. Maddox RR, et al. **Am J Hosp Pharm** 1981 Apr;38(4):524–9

National survey of pharmacokinetic consultation services. Rich DS, et al. **Am J Hosp Pharm** 1981 Apr;38(4):551–2

Integrated calculator programs for pharmacokinetic calculations. Robb RA, et al. **Am J Hosp Pharm** 1982 May; 39(5):825–8

Drug entry into and distribution within brain and cerebrospinal fluid: [14C]urea pharmacokinetics. Rapoport SI, et al. **Am J Physiol** 1982 Mar;242(3):R339–48

Pharmacokinetics in the ovine maternal–fetal unit. Szeto HH. **Annu Rev Pharmacol Toxicol** 1982;22:221–43 (70 ref.)

New toxicology for old. A critique of accepted requirements and methodology. Proceedings of the European Society of Toxicology. Dublin, August 17–19, 1981. **Arch Toxicol [Suppl]** 1982;5:1–394

In vitro—in vivo correlation, a time scaling problem? Basic considerations on in vitro dissolution testing. Brockmeier D, et al. **Arzneimittelforsch** 1982;32(3):248–51

Therapeutic drug monitoring and clinical pharmacokinetics. Paxton JW. **Aust NZ J Med** 1981 Oct;11(5):558–61

Hepatic drug transport in the rat. A comparison between isolated hepatocytes, the isolated perfused liver and the liver in vivo. Blom A, et al. **Biochem Pharmacol** 1982 Apr 15;31(8):1553–65

Effect of honeybee (Apis mellifera) venom on the course of adjuvant–induced arthritis and depression of drug metabolism in the rat. Eiseman JL, et al. **Biochem Pharmacol** 1982 Mar 15;31(6):1139–46

Further studies on the in vivo effect of diisopropyl 1,3–dithiol–2–ylidenemalonate (NKK–105) on the liver microsomal drug oxidation system in rats. Katoh M, et al. **Biochem Pharmacol** 1981 Oct;30(20):2759–65

Stimulation of drug and carcinogen metabolism by prolonged oral tobacco consumption. Kaur S, et al. **Biochem Pharmacol** 1982 Apr 15;31(8):1595–7

Differential effects of chronic ethanol feeding on cytochrome P–448– and P–450–mediated drug metabolism in the rat. Mitchell MC, et al. **Biochem Pharmacol** 1982 Mar 1; 31(5):695–9

Elevated serum cholesterol in drug–oxidation–deficient rats. Nadir HH, et al. **Biochem Pharmacol** 1982 Apr 15; 31(8):1665–8

Inhibition of microsomal drug metabolism by mitochondria and cytochrome c oxidation of extramitochondrial NADPH. Tihanyi K, et al. **Biochem Pharmacol** 1982 Mar 1;31(5):661–3

An alternative method for calculating simple pharmacokinetic parameters for zero–order absorption and first–order elimination processes. Bialer M. **Biopharm Drug Dispos** 1981 Oct–Dec;2(4):323–7

Model–independent linear pharmacokinetic equations for variable dosing regimens. Faed EM. **Biopharm Drug Dispos** 1981 Jul–Sep;2(3):299–302

Inhibition of oxidative drug metabolism by beta–adrenoceptor antagonists in related to their lipid solubility [letter] Deacon CS, et al. **Br J Clin Pharmacol** 1981 Sep;12(3):429–31

Should clearance be normalised to body surface or to lean body mass? Hallynck TH, et al. **Br J Clin Pharmacol** 1981 May;11(5):523–6

OPT: a package of computer programs for parameter optimisation in clinical pharmacokinetics. Kelman AW, et al. **Br J Clin Pharmacol** 1982 Aug;14(2):247–56

A simple pharmacokinetic method for separating the three acetylation phenotypes: a preliminary report. Lee EJ, et al. **Br J Clin Pharmacol** 1982 Mar;13(3):375–8

Microsomal enzyme induction after halothane anaesthesia [letter] Nimmo WS, et al. **Br J Clin Pharmacol** 1981 Sep; 12(3):433–4

Measurement of the renal clearance of drugs. Tucker GT. **Br J Clin Pharmacol** 1981 Dec;12(6):761–70 (56 ref.)

Electromagnetic mediated pharmacokinetics in a three–layer diffusional system. Seto YJ, et al. **Bull Math Biol** 1982; 44(2):215–29

Peak drug levels in linear pharmacokinetic systems—I. Effect of rate of injection. Thron CD. **Bull Math Biol** 1981; 43(6):693–703

Peak drug levels in linear pharmacokinetic systems—II. Conditions for a paradoxical injection rate effect with rectangular input. Thron CD. **Bull Math Biol** 1981; 43(6):705–15

The Upjohn Award Lecture 1981/La Conférence Upjohn 1981. The metabolism of xenobiotics in different populations. Kalow W. **Can J Physiol Pharmacol** 1982 Jan; 60(1):1–12 (91 ref.)

Therapeutic review: harmony with drugs with food. Tuttle CB. **Can Med Assoc J** 1982 May 15;126(10):1161–2

alpha–Naphthylisothiocyanate induced alterations in hepatic drug metabolizing enzymes and liver morphology: implications concerning anticarcinogenesis. Leonard TB, et al. **Carcinogenesis** 1981;2(6):473–82

The effect of trans–stilbene oxide and other structurally related inducers of drug–metabolizing enzymes on glucuronidation. Seidegård J, et al. **Chem Biol Interact** 1982 May;40(1):15–25

A non–invasive method for the study of hepatic drug metabolism in rodents: antineoplastic drug effects on antipyrine metabolism in mice. Wilson VL, et al. **Chem Biol Interact** 1982 Jun;40(2):159–68

Studies on the absorption of practically water–insoluble drugs following injection. I. Intramuscular absorption from water–immiscible oil solutions in rats. Hirano K, et al. **Chem Pharm Bull (Tokyo)** 1981 Feb;29(2):519–31

Studies on the absorption of practically water–insoluble drugs following injection. IV. An approach for predicting relative intramuscular absorption rates of a drug in oily solution, aqueous suspension and aqueous surfactant solution in rats. Hirano K, et al. **Chem Pharm Bull (Tokyo)** 1981 May; 29(5):1410–5

Factors affecting ultrafiltration–assessed values for drug binding [letter] Tasker RA, et al. **Clin Chem** 1982 May; 28(5):1244–6

Symposium on therapeutic drug monitoring. **Clin Lab Med** 1981 Sep;1(3):437–601

Therapeutic drug monitoring. Pharmacokinetic and pharmacodynamic principles. Howanitz JH, et al. **Clin Lab Med** 1981 Sep;1(3):467–78

The fate of drugs in pregnancy. Wood SM, et al. **Clin Obstet Gynaecol** 1981 Aug;8(2):255–9

Pharmacokinetics of drugs in obesity. Abernethy DR, et al. **Clin Pharmacokinet** 1982 Mar–Apr;7(2):108–24 (54 ref.)

Defective oxidation of drugs: pharmacokinetic and therapeutic implications. Eichelbaum M. **Clin Pharmacokinet** 1982 Jan–Feb;7(1):1–22 (85 ref.)

Binding and displacement of basic, acidic and neutral drugs in normal and orosomucoid–deficient plasma. Pike E, et al. **Clin Pharmacokinet** 1981 Sep–Oct;6(5):367–74

Drug metabolites in renal failure: pharmacokinetic and clinical implications. Verbeeck RK, et al. **Clin Pharmacokinet** 1981 Sep–Oct;6(5):329–45 (137 ref.)

The artifactual nature of heparin–induced drug protein–binding alterations. Brown JE, et al. **Clin Pharmacol Ther** 1981 Nov;30(5):636–43

Altered plasma drug binding in cancer: role of alpha 1–acid glycoprotein and albumin. Jackson PR, et al. **Clin Pharmacol Ther** 1982 Sep;32(3):295–302

On the significance of host factors that affect drug disposition. Vesell ES. **Clin Pharmacol Ther** 1982 Jan; 31(1):1–7

Drug therapy in renal failure. Muther RS, et al. **Compr Ther** 1982 May;8(5):44–57

A pocket calculator program to fit first order kinetic curves. Osborne MR. **Comput Biol Med** 1982;12(2):159–62

Parameter estimation for the one compartment open model. McMillan I, et al. **Comput Biomed Res** 1981 Jun;14(3):232–9

Symbolic programs for structural identification of linear pharmacokinetic systems. Manaka RC, et al. **Comput Programs Biomed** 1981 Sep–Dec;13(3–4):203–16

A minicomputer program for estimation of first–order absorption rate in a one–compartment model by the Wagner–Nelson method. Rocchetti M, et al. **Comput Programs Biomed** 1982 Feb;14(1):3–6

Pharmacokinetic and pharmacodynamic modeling in vivo. Holford NH, et al. **CRC Crit Rev Bioeng** 1981;5(4):273–322 (150 ref.)

Spectroscopic analysis of drug–nucleic acid interactions. Dougherty G, et al. **CRC Crit Revbiochem** 1982 Feb; 12(2):103–32 (71 ref.)

Cimetidine as an inhibitor of drug metabolism: therapeutic implications and review of the literature. Bauman JH, et al. **Drug Intell Clin Pharm** 1982 May;16(5):380–6 (91 ref.)

Pharmacokinetics of the 1.73–cm2 person: are they the same for a 70–kg person? [letter] Rich DS, et al.

Drug Intell Clin Pharm 1981 Mar;15(3):214
Significance of apparent half-lives of a metabolite with a higher elimination rate than its parent drug. Vree TB, et al. **Drug Intell Clin Pharm** 1982 Feb;16(2):126–31
Preparation of N-dealkylated drug metabolites by electrochemical simulation of biotransformation. Shono T, et al. **Drug Metab Dispos** 1981 Sep–Oct;9(5):481–2
The current status of attempts to predict species differences in drug metabolism. Caldwell J. **Drug Metab Rev** 1981; 12(2):221–37 (30 ref.)
Metabolism, pharmacokinetics, and toxicokinetics defined. Di Carlo FJ. **Drug Metab Rev** 1982;13(1):1–4
Drug-metabolizing enzymes as evolutionary probes Jondorf WR. **Drug Metab Rev** 1981;12(2):379–430 (277 ref.)
The role of nonenzymatic reactions of glutathione in xenobiotic metabolism. Ketterer B. **Drug Metab Rev** 1982; 13(1):161–87 (75 ref.)
Recent advances in capillary gas chromatography related to drug research. Novotny M. **Drug Metab Rev** 1981; 12(2):279–92 (34 ref.)
The reaction of amines with carbonyls: its significance in the nonenzymatic metabolism of xenobiotics. O'Donnell JP. **Drug Metab Rev** 1982;13(1):123–59 (108 ref.)
Nonenzymatic contributions to xenobiotic metabolism. Testa B. **Drug Metab Rev** 1982;13(1):25–50 (55 ref.)
Excretion of drugs in human breast milk. Welch RM, et al. **Drug Metab Rev** 1981;12(2):261–77 (41 ref.)
Genetic differences in drug metabolism associated with ocular toxicity. Shichi H, et al.
Environ Health Perspect 1982 Apr;44:107–17 (34 ref.)
Estimation of absorption ratios and their variation for orally administered drugs. Betzien G, et al.
Eur J Clin Pharmacol 1982;22(3):265–72
Protein binding of drugs in plasma, interstitial fluid and tissues: effect on pharmacokinetics. Faed EM.
Eur J Clin Pharmacol 1981;21(1):77–81
Pharmacokinetic concepts - drug binding, apparent volume of distribution and clearance. Gibaldi M, et al.
Eur J Clin Pharmacol 1981;20(4):299–305
The unsteady model. An alternative approach to nonlinear pharmacokinetics. Smith MT, et al.
Eur J Clin Pharmacol 1981;20(5):387–98
Prediction of bioavailability for drugs with a high first-pass effect using oral clearance data. Somogyi A, et al.
Eur J Clin Pharmacol 1982;22(1):85–90
An assessment of short-cut procedures for studying drug metabolism in vivo using amobarbital as a model drug. Tang BK, et al. **Eur J Clin Pharmacol** 1982;22(3):229–33
Biotransformation of drugs during aging. Kiechel JR.
Gerontology 1982;28 Suppl 1:101–12 (40 ref.)
Biological determinants of altered pharmacokinetics in the elderly. Shand DG. **Gerontology** 1982;28 Suppl 1:8–17 (34 ref.)
Some clinical aspects of the blood–brain barrier. Oldendorf WH. **Hosp Pract** 1982 Feb;17(2):143–4, 151, 154 passim
Identifiability: its role in design of pharmacokinetic experiments. Brown RF. **IEEE Trans Biomed Eng** 1982 Jan;29(1):49–54
Drug disposition during the perinatal period. Heimann G.
Int J Biol Res Pregnancy 1981;2(1):1–14
Pharmacokinetics during pregnancy and delivery. Nöschel H, et al. **Int J Biol Res Pregnancy** 1982;3(2):66–8
New physiologically based methods for calculating the apparent steady-state volume of distribution in pharmacokinetic studies. Chiou WL.
Int J Clin Pharmacol Ther Toxicol 1982 Jun;20(6):255–8
Ecgonine methyl ester, a major metabolite of cocaine. Ambre JJ, et al. **J Anal Toxicol** 1982 Jan–Feb;6(1):26–9
The clinical relevance of pharmacokinetics. Wright N.
J Antimicrob Chemother 1982 Jul;10(1):2–4
The physiological significance of total body clearance in pharmacokinetic studies. Chiou WL.
J Clin Hosp Pharm 1982 Mar;7(1):25–30
A mathematical model of drug absorption. Goodacre BC, et al. **J Clin Hosp Pharm** 1981 Jun;6(2):117–33
Pharmacokinetic considerations in the haemodialysis of drugs. Parker PR, et al. **J Clin Hosp Pharm** 1982 Jun; 7(2):87–99 (21 ref.)
Manual of symbols, equations & definitions in pharmacokinetics. **J Clin Pharmacol** 1982 Jul;22(7):1S–23S
Unstructured two-point estimation of one-compartment linear pharmacokinetic parameters. Bail WD.
J Clin Pharmacol 1982 Jul;22(7):326–34
Cardiovascular and metabolic considerations in prolonged cannabinoid administration in man. Benowitz NL, et al. **J Clin Pharmacol** 1981 Aug–Sep;21(8–9 Suppl):214S–223S
Potential influence of body weight on the clearance of polymorphically acetylated drugs. Chapron DJ, et al.
J Clin Pharmacol 1982 May–Jun;22(5–6):271–5
Scientific evidence on the role of Ayurvedic herbals on bioavailability of drugs. Atal CK, et al.
J Ethnopharmacol 1981 Sep;4(2):229–32
The effect of psoralens on hepatic and cutaneous drug metabolizing enzymes and cytochrome P-450. Bickers DR, et al. **J Invest Dermatol** 1982 Sep;79(3):201–5
Phase partition: its use in the prediction of membrane permeation and drug action in the eye. Lien EJ, et al.
J Parenter Sci Technol 1982 Mar–Apr;36(2):86–93
Drug replacement following exchange transfusion. Lackner TE. **J Pediatr** 1982 May;100(5):811–4
Free fraction change with differing volume ratios in equilibrium dialysis: cases of non-linear drug–protein binding. Behm HL, et al. **J Pharm Pharmacol** 1981 May; 33(5):283–9
A model for the pH dependence of drug–protein binding. Henry JA, et al. **J Pharm Pharmacol** 1981 Mar;33(3):179–82
A comparison of the behaviour of tablet and capsule formulations in vivo. Hunter E, et al.
J Pharm Pharmacol 1981 Sep;33(9):617–8
Simplified physiologically based method to estimate steady-state volume of distribution [letter] Chiou WL, et al. **J Pharm Sci** 1981 Aug;70(8):967–8
Contribution of lungs to total body clearance: linear and nonlinear effects. Collins JM, et al. **J Pharm Sci** 1982 Jan; 71(1):66–70
Sequential organ first-pass effects: simple methods for constructing compartmental pharmacokinetic models from physiological models of drug disposition by several organs. Gillette JR. **J Pharm Sci** 1982 Jun;71(6):673–7
Studies on the absorption of practically water-insoluble drugs following injection VI: Subcutaneous absorption from aqueous suspensions in rats. Hirano K, et al.
J Pharm Sci 1982 May;71(5):500–5
Studies on the absorption of practically water-insoluble drugs following injection V: Subcutaneous absorption in rats from solutions in water immiscible oils. Hirano K, et al.
J Pharm Sci 1982 May;71(5):495–500
Distribution volume related to body weight and protein binding. Jusko WJ, et al. **J Pharm Sci** 1982 Apr; 71(4):469–70
Determination of tissue to blood partition coefficients in physiologically-based pharmacokinetic studies. Lam G, et al. **J Pharm Sci** 1982 Apr;71(4):454–6
Presystemic elimination of drugs: theoretical considerations for quantifying the relative contribution of gut and liver. Minchin RF, et al. **J Pharm Sci** 1982 Apr;71(4):458–60
Noncompartmental determination of the steady-state volume of distribution for any mode of administration. Perrier D, et al. **J Pharm Sci** 1982 Mar;71(3):372–3
General derivation of the equation for time to reach a certain fraction of steady state. Perrier D, et al. **J Pharm Sci** 1982 Apr;71(4):474–5
A comparison of frozen and reconstituted cattle and human skin as barriers to drug penetration. Pitman IH, et al.
J Pharm Sci 1982 Apr;71(4):427–30
A time-lag model for pharmacokinetics of drugs subject to enterohepatic circulation. Steimer JL, et al.
J Pharm Sci 1982 Mar;71(3):297–302
Model-independent steady-state volume of distribution. Straughn AB. **J Pharm Sci** 1982 May;71(5):597–8
Effect of anesthesia on drug disposition in the rat. Higashi Y, et al. **J Pharmacobiodyn** 1982 Feb;5(2):112–9
Effect of taurine on drug absorption from the rat gastrointestinal tract. Kimura T, et al.
J Pharmacobiodyn 1981 Jan;4(1):35–41
Studies on the trimethadione metabolism as a tool for the assessment of drug-metabolizing capacity using plasma and urine of rats pretreated with phenobarbital and 3-methylcholanthrene. Tanaka E, et al.
J Pharmacobiodyn 1982 Mar;5(3):162–71
A pharmacokinetic analysis program (multi) for microcomputer. Yamaoka K, et al. **J Pharmacobiodyn** 1981 Nov;4(11):879–85
On the solution to the Michaelis–Menten equation. Beal SL.
J Pharmacokinet Biopharm 1982 Feb;10(1):109–19
Simultaneous pharmacokinetic and pharmacodynamic modeling. Colburn WA. **J Pharmacokinet Biopharm** 1981 Jun;9(3):367–88
Optimal sampling times for pharmacokinetic experiments. D'Argenio DZ. **J Pharmacokinet Biopharm** 1981 Dec; 9(6):739–56
A liner mode of reversible metabolism and its application to bioavailability assessment. Hwang S, et al.
J Pharmacokinet Biopharm 1981 Dec;9(6):693–709
Metabolite to parent drug concentration ratio as a function of parent drug extraction ratio: cases of nonportal route of administration. Lane EA, et al.
J Pharmacokinet Biopharm 1981 Aug;9(4):489–96
Metabolite pharmacokinetics: the area under the curve of metabolite and the fractional rate of metabolism of a drug after different routes of administration for renally and hepatically cleared drugs and metabolites. Pang KS.
J Pharmacokinet Biopharm 1981 Aug;9(4):477–87
Some suggestions for measuring predictive performance. Sheiner LB, et al. **J Pharmacokinet Biopharm** 1981 Aug; 9(4):503–12
Analysis of the contributions of permeability and flow of intercompartmental clearance. Stec GP, et al.
J Pharmacokinet Biopharm 1981 Apr;9(2):167–80
A technique to study hepatic and intestinal drug metabolism separately in the dog. Effeney DJ, et al.
J Pharmacol Exp Ther 1982 May;221(2):507–11
A unique pharmacogenetic expression of the N-acetylation polymorphism in the inbred hamster. Hein DW, et al.
J Pharmacol Exp Ther 1982 Jan;220(1):8–15
Effects of liver congestion on hepatic drug metabolism in the rat. Knodell RG, et al. **J Pharmacol Exp Ther** 1982 Apr;221(1):52–7
Age-related changes in hepatic microsomal drug metabolism are substrate selective. Rikans LE, et al.
J Pharmacol Exp Ther 1982 Mar;220(3):574–8
Flow measurement of blood radioactivity in animals. Simonnet F, et al. **J Pharmacol Methods** 1982 Jan; 7(1):65–74
A simple restraining device for chronic pharmacokinetic and metabolism studies in rats. Toon S, et al.
J Pharmacol Methods 1981 Jun;5(4):321–3
A practical method for monitoring drug excretion and enterohepatic circulation in the rat. Tse FL, et al.
J Pharmacol Methods 1982 Mar;7(2):139–44
Estimation of molecular diffusivity in isolated animal tissues. Shirazi MA, et al. **J Theor Biol** 1981 Dec 21;93(4):1033–6
Placental transfer and fetal uptake of drugs. Welsch F.
J Vet Pharmacol Ther 1982 Jun;5(2):91–104
Drugs—some basic concepts. Sweeney GD.
Med Sci Sports Exerc 1981;13(4):247–51
Detoxication and drug metabolism: conjugation and related systems. **Methods Enzymol** 1981;77:1–476
Exhalation of isotopic CO2. Bircher J, et al.
Methods Enzymol 1981;77:3–9
Isolation of pulmonary cells and use in studies of xenobiotic metabolism. Devereux TR, et al. **Methods Enzymol** 1981; 77:147–54
Preparation of mammalian hepatocytes. Fry JR.
Methods Enzymol 1981;77:130–7
Collection of feces for studies of xenobiotic metabolism and disposition. Mathews HB. **Methods Enzymol** 1981;77:31–4
Isolated perfused rat liver technique. Meijer DK, et al.
Methods Enzymol 1981;77:81–94
Collection of metabolites in bile and urine from the rat. Mulder GJ, et al. **Methods Enzymol** 1981;77:21–30
Isolated perfused rat kidney. Newton JF Jr, et al.
Methods Enzymol 1981;77:94–105
Preparation and characteristics of isolated kidney cells. Ormstad K, et al. **Methods Enzymol** 1981;77:137–46
Separation and use of enterocytes. Pinkus LM.
Methods Enzymol 1981;77:154–62
Covalent binding of electrophilic metabolites to macromolecules. Pohl LR, et al. **Methods Enzymol** 1981; 77:43–50
Lung perfusion techniques for xenobiotic metabolism and toxicity studies. Smith BR, et al. **Methods Enzymol** 1981; 77:105–20
Whole-body autoradiography. Ullberg S, et al.
Methods Enzymol 1981;77:64–80
Vascular autoperfusion of rat small intestine in situ. Windmueller HG, et al. **Methods Enzymol** 1981;77:120–9
How clinical is clinical pharmacology? Special consideration of clinical pharmacokinetics. Ritschel WA.
Methods Find Exp Clin Pharmacol 1981;3 Suppl 1:9S–16S
Interferon-mediated depression of cytochrome P-450-dependent drug biotransformation. Singh G, et al.
Mol Pharmacol 1981 Nov;20(3):681–4
Drug therapy: drug disposition in old age. Greenblatt DJ, et al. **N Engl J Med** 1982 May 6;306(18):1081–8 (111 ref.)
Gastrointestinal clearance of drugs with activated charcoal [editorial] Levy G. **N Engl J Med** 1982 Sep 9;307(11):676–8
Supplementary dose after hemodialysis. Keller F, et al.
Nephron 1982;30(3):220–7
Uremia and the liver. II. Drugs and the liver in the uremic patient. Simon P, et al. **Nephron** 1981;29(1–2):7–13 (89 ref.)
Pharmacokinetics of inhaled gases and vapors. Andersen ME.
Neurobehav Toxicol Teratol 1981 Winter;3(4):383–9
Normal changes in aging and nursing implications of drug therapy. Hayes JE. **Nurs Clin North Am** 1982 Jun; 17(2):253–62
Effect of folate deficiency on microsomal drug metabolism and heme content in the intestinal mucosa of guinea pigs. Clement RP, et al. **Nutr Cancer** 1981;3(2):63–71
Elementary pharmacokinetics in clinical practice I: drug absorption and disposition. Paxton JW. **NZ Med J** 1981 Oct 28;94(694):304–6
Elementary pharmacokinetics in clinical practice. 3: Practical pharmacokinetic applications. Paxton JW. **NZ Med J** 1981 Nov 25;94(696):381–4
Elementary pharmacokinetics in clinical practice 4: genetic, environmental and age influences on pharmacokinetics. Paxton JW. **NZ Med J** 1981 Dec 9;94(697):423–5
Elementary pharmacokinetics in clinical practice 2: Basic concepts of drug pharmacokinetics. Paxton JW.
NZ Med J 1981 Nov 11;94(695):342–5
Elementary pharmacokinetics in clinical practice. 5: The effect of pathological condition on pharmacokinetics. Paxton JW. **NZ Med J** 1982 Feb 24;95(702):116–8
Pharmacologic considerations of drug use in the lactating mother. Berlin CM Jr. **Obstet Gynecol** 1981 Nov;58(5 Suppl):17S–23S (34 ref.)
Pharmacokinetics of fetal and neonatal exposure to drugs. Levy G. **Obstet Gynecol** 1981 Nov;58(5 Suppl):9S–16S (22 ref.)
Drugs in lactating women. Kochenour NK, et al.
Obstet Gynecol Annu 1981;10:107–26 (104 ref.)
Adverse drug effects in the elderly patient. Bressler R.
Otolaryngol Clin North Am 1982 May;15(2):451–63
Effect of growth hormone on human drug metabolism: time course and substrate specificity. Redmond GP, et al.
Pediatr Pharmacol (New York) 1980;1(1):63–70
Saliva-plasma drug concentration ratios during absorption: theoretical considerations and pharmacokinetic implications. Posti J. **Pharm Acta Helv** 1982;57(3):83–92
Lack of effect of vanadyl trichloride on hepatic drug metabolism in the rat. Earnshaw KR, et al.
Pharmacol Res Commun 1981 Apr;13(4):323–30
Assessment of rate and extent of drug absorption. Cutler D.
Pharmacol Ther 1981;14(2):123–60
Smoking and drug metabolism. Dawson GW, et al.

Pharmacol Ther 1981;15(2):207–21 (129 ref.)
Methods for Quantifying the transport of drugs across brain barrier systems. Fenstermacher JD, et al. **Pharmacol Ther** 1981;14(2):217–48 (90 ref.)
Drug metabolite kinetics. Houston JB. **Pharmacol Ther** 1981; 15(3):521–52 (32 ref.)
Estimation of pharmacokinetic parameters: statistical considerations. Metzler CM. **Pharmacol Ther** 1981; 13(3):543–56 (55 ref.)
Quantitative structure–pharmacokinetic relationships and drug design. Seydel JK, et al. **Pharmacol Ther** 1981; 15(2):131–82 (242 ref.)
Transfer of drugs across the placenta. Waddell WJ, et al. **Pharmacol Ther** 1981;14(3):375–90 (107 ref.)
History of pharmacokinetics. Wagner JG. **Pharmacol Ther** 1981;12(3):537–62 (269 ref.)
Potentials of chromatographic methods in assessing the bioavailability and the pharmacokinetics of drugs. de Zeeuw RA. **Pharmazie** 1981 Mar;36(3):178–84
Clinical pharmacology—pro-drugs. Wise R. **Practitioner** 1982 Jun;226(1368):1143–7
Food intake and drug bioavailability. Melander A. **Prog Clin Biol Res** 1981;77:747–56
The perinatal development of drug-metabolizing enzymes: what factors trigger their onset? Dutton GJ, et al. **Prog Drug Res** 1981;25:189–273 (278 ref.)
Biliary excretion of drugs and other xenobiotics. Levine WG. **Prog Drug Res** 1981;25:361–420 (565 ref.)
Noninvasive pharmacodynamic and bioelectrometric methods for elucidating the bioavailability mechanisms of ophthalmic drug preparations. Smolen VF. **Prog Drug Res** 1981;25:421–60 (40 ref.)
Food & medicine incompatibility. Rogers HJ. **R Soc Health J** 1982 Feb;102(1):24–8
The influence of host factors on drug response. VII. Renal diseases. Vesell ES. **Ration Drug Ther** 1981 Nov;15(11):1–9
The physiological significance of the apparent volume of distribution, Vdarea or Vd beta, in pharmacokinetic studies. Chiou WL. **Res Commun Chem Pathol Pharmacol** 1981 Sep; 33(3):499–508
Drug absorption: a practical method to estimate the absorption rate constant. Lambert C, et al. **Res Commun Chem Pathol Pharmacol** 1981 Nov; 34(2):217–29
Intrahepatic disposition of xenobiotics in relation with their partition coefficient. Ong H, et al. **Res Commun Chem Pathol Pharmacol** 1982 Feb; 35(2):237–58
Cadmium inhibition of in vitro hepatic oxidative drug metabolism in the rat: comparison between ionic cadmium and cadmium–thionein. Roberts SA, et al. **Res Commun Chem Pathol Pharmacol** 1982 Feb; 35(2):349–52
Drug metabolism and fetal toxicity: changes in fetal toxicity of aminopyrine by variation of drug metabolizing enzyme activity in mice. Saito H, et al. **Res Commun Chem Pathol Pharmacol** 1981 Oct;34(1):141–4
Interaction between selenium and phenobarbital on drug response and hepatic microsomal enzyme activity in the male rat. Schnell RC, et al. **Res Commun Chem Pathol Pharmacol** 1981 Apr;32(1):181–4
Drug therapy considerations in the elderly. Herman RA. **S Afr Med J** 1982 Apr 10;61(15):544–6 (25 ref.)
Pharmacokinetic factors influencing variability in human drug response. Marchant B. **Scand J Rheumatol [Suppl]** 1981;39:5–14
Overview of alkylation and peroxidation mechanisms in acute lethal hepatocellular injury by chemically reactive metabolites. Mitchell JR, et al. **Semin Liver Dis** 1981 May; 1(2):143–50
Drug-induced changes in the biologic distribution of radiopharmaceuticals. Hladik WB 3d, et al. **Semin Nucl Med** 1982 Apr;12(2):184–218 (302 ref.)
Genetic control of drug metabolism: relationship to birth defects. Nebert DW, et al. **Semin Perinatol** 1982 Apr; 6(2):105–15 (28 ref.)
Pharmacokinetic principles in relation to serum drug sample collections. Breland BD, et al. **South Med J** 1981 Dec; 74(12):1439–42
Alterations in drug-metabolizing enzymes during feeding of the carcinogen 2-aminoanthraquinone. Ramanathan R, et al. **Toxicol Appl Pharmacol** 1981 Sep 15;60(2):204–12
The comparison of in vivo plasma radioactivity clearance and 14CO2 breath elimination of model drugs in the rat: a study in regional hepatocyte function. Willson RA, et al. **Toxicol Appl Pharmacol** 1981 Nov;61(2):177–84
Applications of high-voltage paper electrophoresis for the characterization of drug metabolites. Bell JA, et al. **Xenobiotica** 1981 Dec;11(12):841–7
The state of the art: a commentary on the current practice of metabolism and pharmacokinetic studies in the pharmaceutical industry. Case DE. **Xenobiotica** 1981 Dec; 11(12):803–14
Dose-dependent effects of vinyltoluene inhalation on non-protein thiols and drug biotransformation in liver and kidneys of the rat. Heinonen T, et al. **Xenobiotica** 1981 Apr;11(4):285–9
Xenobiotic biotransformation in wild birds: activity, induction, characterization and comparison with rat and mouse microsomal enzymes. Husain MM, et al. **Xenobiotica** 1981 Nov;11(11):785–93
Techniques for microfloral and associated metabolic studies in relation to the absorption and enterohepatic circulation of drugs. Illing HP. **Xenobiotica** 1981 Dec;11(12):815–30 (69 ref.)
[Drug kinetics in patients with renal failure] Walters L. **S Afr Med J** 1982 May 8;61(19):705–7 (Eng. Abstr.) (Afr)
[Computing pharmacokinetic parameters from blood level—time data of equi-interval samplings (author's transl)] Zhou HW. **Chung Kuo Yao Li Hsueh Pao** 1980 Dec;1(2):65–70 (Eng. Abstr.) (Chi)
[Receptor occupation theory and its parameter estimates (author's transl)] Xu DZ. **Sheng Li Ko Hsueh Chin Chan** 1981 Oct 25;12(4):318–24 (Chi)
[Comments on 'an improvement on the Wagner–Nelson method for computing drug absorption rate constant' (author's transl)] Ping QN. **Yao Hsueh Hsueh Pao** 1982 Feb;17(2):98–100 (Chi)
[Calculation of absorption rate constant from average absorption rate data (author's transl)] Zeng YL, et al. **Yao Hsueh Hsueh Pao** 1982 Mar;17(3):171–5 (Chi)
[Sampling design of linear one compartment open model for drug administered via non-blood–vessel way (author's transl)] Zhang WG. **Yao Hsueh Hsueh Pao** 1981 Oct; 16(10):732–40 (Eng. Abstr.) (Chi)
[Drugs and foods] Elis J, et al. **Cesk Farm** 1981 Dec; 30(10):367–72 (Cze)
[Role of clinical pharmacokinetics in the causal treatment of acute drug poisoning] Lesne M. **Bull Mem Acad R Med Belg** 1981;136(8–9):443–72 (40 ref.) (Fre)
[Validity of simulated passive drug absorption profiles for various active principles] Lefebvre C. **Farmaco [Prat]** 1982 Apr;37(4):116–27 (Eng. Abstr.) (Fre)
[Drug disposition in cirrhosis (author's transl)] Métreau JM. **Gastroenterol Clin Biol** 1981 Nov;5(11):1052–7 (Fre)
[Pharmacokinetics and nephrology (editorial)] **Nephrologie** 1980;1(4):171–2 (Fre)
[Problems posed by drugs during breast-feeding] Sann L, et al. **Pediatrie** 1982 Jan–Feb;37(1):63–72 (Fre)
[Does the elimination of medication interest the physician?] Singlas E. **Sem Hop Paris** 1981 Oct 18–25; 57(39–40):1648–52 (Fre)
[Reciprocal actions between the hepatic systems in the biotransformation of drugs and alcohol (author's transl)] Bechtel P. **Therapie** 1981 May–Jun;36(3):257–60 (Eng. Abstr.) (Fre)
[Principal concepts of pharmacokinetics for use by the physician] Hirtz-Mantel P. **Therapie** 1982 Jan–Feb; 37(1):23–44 (Fre)
[Clinical pharmacokinetics in the causal treatment of acute intoxications (author's transl)] Lesne M, et al. **Therapie** 1981 Sep–Oct;36(5):511–23 (41 ref.) (Eng. Abstr.) (Fre)
[Species differences in pharmaco-kinetics of chemicals. Correlations with toxicity (author's transl)] Keck G. **Toxicol Eur Res** 1981 Jul;3(4):207–15 (Eng. Abstr.) (Fre)
[Nitrosatable drugs (author's transl)] Ziebarth D. **Arch Geschwulstforsch** 1981;51(7):587–95 (Eng. Abstr.) (Ger)
[Initial peak as a result of an adaptation (author's transl)] Kaemmerer K. **DTW** 1981 Jun 5;88(6):211–4 (Eng. Abstr.) (Ger)
[In vitro assays on the resorption of a drug (author's transl)] Telser E. **DTW** 1981 Jun 5;88(6):231–5 (Eng. Abstr.) (Ger)
[Drug effects on embryo and fetus. 2. Diaplacental transport of drugs] Reinhardt D, et al. **Fortschr Med** 1981 Sep 17; 99(35):1394–8 (Eng. Abstr.) (Ger)
[Effect of drugs on neonates, infants and school children. 2. Pharmacokinetics and pharmacodynamics] Reinhardt D, et al. **Fortschr Med** 1982 Feb 18;100(7):271–6 (Ger)
[Presystemic elimination and biological availability of drugs] Klotz U. **Med Lab (Stuttg)** 1981 Jul–Aug;34(7–8):171–6 (Ger)
[The use of the concepts of 'half-life' and 'clearance' in practice and in pharmacokinetics] Raaflaub J. **Schweiz Med Wochenschr** 1981 Sep 19;111(38):1406–11 (Eng. Abstr.) (Ger)
[Pharmacokinetics in multiple dosage—2 examples] Biebler KE. **Z Arztl Fortbild (Jena)** 1981 May 15;75(10):470–2 (Ger)
[Changes in pharmacokinetics in the aged and their practical consequences] Höffler D. **Z Gerontol** 1981 Sep–Oct; 14(5):382–7 (Eng. Abstr.) (Ger)
[Alcohol and drug biotransformation] Klinger W. **Z Gesamte Inn Med** 1981 Aug 15;36(16):543–7 (Eng. Abstr.) (Ger)
[Polypragmasy at the treatment of old people (author's transl)] Siering H. **ZFA (Dresden)** 1982 Jan–Feb;37(1):11–6 (Eng. Abstr.) (Ger)
[Bioavailability of drugs] Finzi GF, et al. **Arch Sci Med (Torino)** 1982 Jan–Mar;139(1):51–5 (Ita)
[N-nitrosamines from drugs] Pifferi G. **Boll Chim Farm** 1981 Jul;120(7):373–82 (Ita)
[Possibility of in vivo formation of N-nitroso compounds from drugs and nitrite (author's transl)] Tanimura A, et al. **Eisei Shikenjo Hokoku** 1981;99:1–16 (100 ref.) (Eng. Abstr.) (Jpn)
[Species differences in drug metabolism – overview from animals to man (author's transl)] Kato R. **Jikken Dobutsu** 1981 Oct;30(4):507–17 (Jpn)
[Circadian rhythms in metabolism and susceptibility of drugs (author's transl)] Kato R, et al. **Tanpakushitsu Kakusan Koso** 1982 Jan 5;27(2):158–69 (36 ref.) (Jpn)
[Effect of drugs and poisons on the synthesis and activity of microsomal enzymes participating in their metabolism] Hanke J. **Folia Med Cracov** 1980;22(3–4):263–78 (15 ref.) (Eng. Abstr.) (Pol)
[Computation of the parameters of complex formation of chemical compounds with serum albumin according to the degree of completeness of conformational transitions ion the protein molecule] Luik AI. **Farmakol Toksikol** 1982 Mar–Apr;45(2):122–6 (Eng. Abstr.) (Rus)
[Drug pharmacokinetics and pharmacodynamics in children] Markova IV. **Farmakol Toksikol** 1982 May–Jun;45(3):27–31 (Rus)
[Clinical significance of the induction and repression of the enzymes of drug metabolism] Bushma MI, et al. **Klin Med (Mosk)** 1982 May;60(5):16–21 (Rus)
[Pharmacokinetics of drug preparations metabolized by N-acetyltransferase] Skakun NP. **Klin Med (Mosk)** 1982 Jan;60(1):24–7 (49 ref.) (Rus)
[Pharmacokinetics in individualizing therapy] Plavšić F, et al. **Srp Arh Celok Lek** 1981 Mar;109(3):391–402 (Eng. Abstr.) (Scc)
[Before or after meals?] Segarra Domenech J, et al. **Med Clin (Barc)** 1981 Jul 15;77(3):124–9 (Spa)
[Transfer of drugs and other chemical substances into breast milk and its effect on the infant] Valdivia I, et al. **Rev Chil Obstet Ginecol** 1981;46(2):81–7 (Spa)

STANDARDS

Relationship of USP–NF to NDA and ANDA 'Standards'. Belson JJ. **Am J Hosp Pharm** 1982 May;39(5):869–70
The importance of drug standards. Heller WM. **Am J Hosp Pharm** 1982 Apr;39(4):652–3
Antibiotics standards versus standards for other drugs. Wright WW. **Am J Hosp Pharm** 1982 Jun;39(6):1046–7
Validation in perspective–1981. Broker CG. **J Parenter Sci Technol** 1981 Jul–Aug;35(4):167–9
Particulate inspection of parenteral products: from biophysics to automation. Knapp JZ, et al. **J Parenter Sci Technol** 1982 May–Jun;36(3):121–7
Drug licensing or innovation [editorial] **Lancet** 1981 Oct 10; 2(8250):788
Drug regulation in Brazil: troubles building [letter] Bazin M. **Nature** 1982 Jan 14;295(5845):90
[Pharmacopoeias and official quality standards for pharmaceutical evaluation in the Hungarian People's Republic] Laszlovszky J. **Pharmazie** 1981 Nov;36(11):778–9 (Ger)
[Analytical error in the acceptance criteria and testing of homogenous drugs by health authorities] Vianello S. **Boll Chim Farm** 1981 Jun;120(6):313–29 (Ita)

SUPPLY & DISTRIBUTION

Pharmaceuticals in third world markets. Special opportunities, special problems. Griffin RJ Jr. **Am Pharm** 1982 Mar;22(3):18–21
Too few drugs, too many poppies. Smith R. **Br Med J [Clin Res]** 1982 Jan 2;284(6308):38–9
Pharmacy in Ethiopia. Sekhar CC. **East Afr Med J** 1981 Nov;58(11):838–42
Drug use intervention concepts: availability [editorial] Einstein S. **Int J Addict** 1981 Apr;16(3):iii–iv
The problem of the availability of drugs in hospital: the example of Makurdi, Nigeria. Leke JT. **Int Nurs Rev** 1982 Mar–Apr;29(2):46–7
Essential drugs for primary-health-care standard packages. Simmonds SP, et al. **Lancet** 1982 Feb 20;1(8269):435–6

TOXICITY

Alkylation and peroxidation injury from chemically reactive metabolites. Mitchell JR, et al. **Adv Exp Med Biol** 1981; 136 Pt A:199–223
Bound residues of veterinary drugs: bioavailability and toxicological implications. Burgat-Sacaze V, et al. **Ann Rech Vet** 1981;12(3):277–89
Saturable metabolism and its relationship to toxicity. Andersen ME. **CRC Crit Rev Toxicol** 1981;9(2):105–50 (164 ref.)
Inducible repair systems and their implications for toxicology. Schendel PF. **CRC Crit Rev Toxicol** 1981; 8(4):311–62 (402 ref.)
Relationship between mutagenic effect and toxic effect in the Ames test. Fumero S, et al. **Farmaco [Sci]** 1981 Oct; 36(10):867–74
The delayed long-term effects of chemicals following neonatal exposure in laboratory animals. Balazs T. **Food Cosmet Toxicol** 1981 Oct;19(5):533–7
NMR used to study drugs' toxic effects [news] Carswell H. **JAMA** 1982 Aug 20;248(7):814, 819
Chemical phototoxicity in humans. Epstein JH. **JNCI** 1982 Jul;69(1):265–8
Human models for identification of photosensitizing chemicals. Kligman AM, et al. **JNCI** 1982 Jul;69(1):269–72
Haphazard policy on hazardous exports. Shaikh R, et al. **Lancet** 1981 Oct 3;2(8249):740–2
Minireview: role of reactive oxygen and metabolite binding in drug toxicity. Holtzman JL. **Life Sci** 1982 Jan 4;30(1):1–9 (20 ref.)

Metabolic activation and toxicology – some models of chemical protection against drug toxicity. Lesca P. **Toxicol Eur Res** 1981 May;3(3):161–6 (26 ref.)
[Investigation of bone marrow in preclinical safety tests of new drugs (author's transl)] Berger J. **Cas Lek Cesk** 1982 Jan 29;121(4):97–101 (Eng. Abstr.) **(Cze)**
[Current prospects of experimental drug embryotoxicity risk assessment (author's transl)] Jelinek R, et al. **Cas Lek Cesk** 1981 Oct 29;120(43):1309–12 (Eng. Abstr.) **(Cze)**
[General schema for safety evaluation of residues of embryotoxic drugs (author's transl)] Delatour P, et al. **Ann Rech Vet** 1981;12(2):215–8 (Eng. Abstr.) **(Fre)**
[Effect of foreign substances on carbon monoxide induced polycythemia] Pankow D, et al. **Z Gesamte Hyg** 1981; 27(5):351–7 (Eng. Abstr.) **(Ger)**
[Chemical (drug) stress: the qualitative assessment of the toxic effects of the action of physiologically active substances] Dmitrieva NV, et al. **Izv Akad Nauk SSSR [Biol]** 1982 May–Jun;(3):398–405 (Eng. Abstr.) **(Rus)**

URINE

Measurement of urinary metabolites of xenobiotics as a non-invasive technique in toxicology. Breimer DD. **Arch Toxicol [Suppl]** 1982;5:162–78
Evaluation of a colorimetric screening test for basic drugs in urine. Rio JG, et al. **J Anal Toxicol** 1981 Nov–Dec; 5(6):267–9
[Drug determination in practice, in the hospital and under supervision] Drasch G. **ZFA (Stuttgart)** 1982 Apr 10; 58(10):551–6 **(Ger)**

DRUGS, NON-PRESCRIPTION

Alcoholism, nonprescription drug and hepatotoxicity. The risk from unknown acetaminophen ingestion. Johnson MW, et al. **Am J Gastroenterol** 1981 Dec;76(6):530–3
OTC update. **Am Pharm** 1981 Oct;21(10):16–20
Cough/cold preparations. Mullan PA. **Am Pharm** 1981 Sep; 21(9):42–5
Elderly: understanding their nonprescription needs. Robinson JD, et al. **Am Pharm** 1981 Nov;21(11):48
Acetaminophen: should it be as available as ASA? Michaels E. **Can Med Assoc J** 1982 Mar 15;126(6):707–9
Self medication in management of minor health problems in Kenya. Maitai CK, et al. **East Afr Med J** 1981 Aug; 58(8):593–600
Drugs (prescription, over-the-counter, social) and the young adult: use and attitudes. Vener AM, et al. **Int J Addict** 1982 Apr;17(3):399–415
Natural substances in currently available Chinese herbal and patent medicines. Hirschhorn HH. **J Ethnopharmacol** 1982 Jul;6(1):109–19
The pressure to sell [editorial] **Lancet** 1982 Oct 2;2(8301):750
Pseudo-speed. Look-alikes or pea-shooters. Dougherty RJ. **NY State J Med** 1982 Jan;82(1):74–5
Prescribed and nonprescribed drug use in an ambulatory elderly population. May FE, et al. **South Med J** 1982 May; 75(5):522–8
[Drug consumption by students in Basel] Ackermann-Liebrich U, et al. **Soz Praventivmed** 1981 Oct; 26(5):350–1 (Eng. Abstr.) **(Ger)**

ADVERSE EFFECTS

Action called for on sale of toothache solutions [letter] Feaver F. **Br Dent J** 1982 Jan 5;152(1):3
Reactions to acetylsalicylic acid. Aaron TH, et al. **Can Med Assoc J** 1982 Mar 15;126(6):609–11
What to tell patients about over-the-counter drugs. Michocki RJ. **Geriatrics** 1982 Jun;37(6):113–6, 120, 124
Phenylpropanolamine over the counter [letter] Saltzman MB. **Lancet** 1982 May 29;1(8283):1242–3
Minimizing the menace of OTC drugs. Tabor M. **Occup Health Saf** 1982 May;51(5):14–9
Psychiatric symptoms produced by over-the-counter drugs. Gardner ER, et al. **Psychosomatics** 1982 Feb;23(2):186–90

ANALYSIS

[Identification and determination of N-docosanol in the bark extract of Pygeum africanum and in patent medicines containing it] Pierini N, et al. **Boll Chim Farm** 1982 Jan; 121(1):27–34 (Eng. Abstr.) **(Ita)**

THERAPEUTIC USE

Parents' conception of their use of over-the-counter medicines. Ames JT, et al. **Clin Pediatr (Phila)** 1982 May; 21(5):298–301

DRY SOCKET

see related
TOOTH EXTRACTION

DRUG THERAPY

Treatment of alveolar osteitis [letter] Matthews RW. **Br Dent J** 1982 May 18;152(10):335
Metronidazole in the treatment of 'dry socket'. Rood JP, et al. **Int J Oral Surg** 1981 Oct;10(5):345–7
A new combination of drugs intended to be used as a preventive measure for the postextraction complications. A preliminary report. Syrjänen SM, et al. **Int J Oral Surg** 1981 Feb;10(1):17–22
[Effectiveness of ectericide, dimethyl sulfoxide and oxacillin in treating acute, odontogenic inflammatory jaw diseases] Kolomiets LI. **Stomatologiia (Mosk)** 1981;60(4):33–5 (Eng. Abstr.) **(Rus)**

ETIOLOGY

Alveolitis after operative removal of third molars in the mandible. Krekmanov L. **Int J Oral Surg** 1981 Jun; 10(3):173–9

OCCURRENCE

[Intensive sports practice and early alveolysis] Lamendin H, et al. **Rev Odontostomatol (Paris)** 1981 Jul–Oct; 10(4–5):305–13 (Eng. Abstr.) **(Fre)**

PATHOLOGY

The clinical presentation and pathology of the dry socket syndrome. Schofield ID, et al. **Int J Oral Surg** 1981; 10(Suppl 1):107–13

PREVENTION & CONTROL

Prevention of dry socket with local application of Terra-Cortril in gelfoam. Julius LL, et al. **J Oral Maxillofac Surg** 1982 May;40(5):285–6

THERAPY

An evaluation of dextranomer granules as a new method of treatment of alveolar osteitis. Matthews RW. **Br Dent J** 1982 Mar;152(5):157–9
Treatment of alveolar osteitis [letter] Mitchell B. **Br Dent J** 1982 Apr 20;152(8):261

DTIC see **DACARBAZINE**

DTPA

Continuous measurement of DTPA-clearance in extracorporeal detoxification circuits. Falkenhagen D, et al. **Artif Organs** 1981;4 Suppl:166–8
Inhibition of iron-stimulated catecholamine degradation by the iron-chelators DETAPAC and Desferal. Potentially useful laboratory agents. Heikkila RE, et al. **Biochem Pharmacol** 1981 Nov 1;30(21):2945–7
The preparation and labeling of DTPA-coupled albumin. Hnatowich DJ, et al. **Int J Appl Radiat Isot** 1982 May; 33(5):327–32

ADMINISTRATION & DOSAGE

An improved technique for inhalation imaging. Adiseshan N. **Clin Nucl Med** 1982 Apr;7(4):180–6
Hyperdynamic radionuclide cerebrospinal fluid study. Bladwin RD, et al. **Clin Nucl Med** 1982 Feb;7(2):82
Radiation dose to bladder wall following the administration of 99mTc-microspheres and 99mTc-DTPA. Smith T. **Health Phys** 1981 Nov;41(5):777–80
Decorporation of 238PuO2 from the hamster by inhalation of chelating agents. Stather JW, et al. **Health Phys** 1982 Apr;42(4):520–5
The use of Puchel and DTPA for removing 238PuO2 from the lungs of hamsters. Stradling GN, et al. **Health Phys** 1981 Aug;41(2):387–91
[Plutonium-329 metabolic characteristics during the separate and combined administration of an iron preparation and DTPA] Shvydko NS, et al. **Radiobiologiia** 1981 Nov–Dec; 21(6):868–72 **(Rus)**

ADVERSE EFFECTS

Zinc deficiency developing in treatment for thalassaemia. Ridley CM. **J R Soc Med** 1982 Jan;75(1):38–9
Early effects of inhaled Ca-DTPA on the rat lung. Smith VH, et al. **Toxicol Lett** 1980 Nov;7(1):9–16

ANALOGS & DERIVATIVES

Decorporation of 238PuO2 from the hamster by inhalation of chelating agents. Stather JW, et al. **Health Phys** 1982 Apr;42(4):520–5
The use of Puchel and DTPA for removing 238PuO2 from the lungs of hamsters. Stradling GN, et al. **Health Phys** 1981 Aug;41(2):387–91
Investigations into techniques for removing intracellular plutonium-III. Bulman RA, et al. **Naturwissenschaften** 1981 Sep;68(9):483–5

DIAGNOSTIC USE

Glomerular filtration rate: estimation from fractional renal accumulation of 99mTc-DTPA (stannous). Gates GF. **AJR** 1982 Mar;138(3):565–70
Ureteral obstruction in a transplanted kidney renal dynamic study (99m Tc-DTPA). García M, et al. **Bol Asoc Med PR** 1981 Mar;73(3):109–10
Scintigraphic evaluation of dysphagia. Blue PW. **Clin Nucl Med** 1981 Oct;6(10):489–90
Diffuse extravasation of urine after renal transplant. Front D, et al. **Clin Nucl Med** 1981 Oct;6(10):479–80
Tc-99m DTPA uptake in soft tissue sarcoma. Tyler JL, et al. **Clin Nucl Med** 1982 Aug;7(8):357–8
Correlation of I-125 iothalamate and tc-99m DPTA measurements of GFR using the single injection method. Wiener SN, et al. **Clin Nucl Med** 1982 Aug;7(8):359–63
Quantitative comparison of 99Tcm-aerosol and 81Krm ventilation images. Agnew JE, et al. **Clin Phys Physiol Meas** 1982 Feb;3(1):21–30
Single detector renography with 131I-hippuran and 99mTc-DTPA: a comparison. Wranne B, et al. **Clin Physiol** 1982 Apr;2(2):159–62
Brain scintigraphy with 99mTc-citrate and 99mTc-DTPA: a clinical comparison of the results. Castagnoli A, et al. **Eur J Nucl Med** 1982;7(4):184–6
Determination of glomerular filtration rate by 111In-DTPA. Roos JC, et al. **Eur J Nucl Med** 1981 Dec;6(12):551–3
Tc-99m-DTPA—a new test substance for detoxification devices. Ahrenholz P, et al. **Int J Artif Organs** 1982 May; 5(3):185–90
A two-compartmental model analysis of plasma clearance and urinary excretion data of 111In-DTPA in dogs. Saha GB, et al. **Int J Nucl Med Biol** 1982;9(2):122–5
Assessment of alveolar-capillary membrane permeability of dogs by aerosolization. Huchon GJ, et al. **J Appl Physiol** 1981 Oct;51(4):955–62
Evaluation of CSF shunt patency by means of technetium-99m DTPA. Graham P, et al. **J Neurosurg** 1982 Aug;57(2):262–6
Technetium-99m DTPA splenic uptake. Pedell L, et al. **J Nucl Med** 1981 Sep;22(9):798–9
Clearance of Tc-99m DTPA in hemodialysis and peritoneal dialysis: concise communication. Wainer E, et al. **J Nucl Med** 1981 Sep;22(9):768–71
Simultaneous markers for fluid and solid gastric emptying: new variations on an old theme: concise communication. Wright RA, et al. **J Nucl Med** 1981 Sep;22(9):772–6
Evaluation of normal and pathologic ureteral dynamics: comparison of a radioisotopic method with ureteral pressure/flow perfusion study. Braren V, et al. **J Urol** 1982 May;127(5):1014–6
99mTc-DTPA and 131I-hippuran findings in liver transplant recipients treated with cyclosporin A. Klintmalm GB, et al. **Radiology** 1982 Jan;142(1):199–202
Scintillation camera renography with 99mTc-DTPA and 131I-Hippuran. Bratt CG, et al. **Scand J Clin Lab Invest** 1981 Apr;41(2):189–97
[Evaluation of renal transplant function by 99mTc-DTPA dynamic imaging (author's transl)] Berger H, et al. **Nuklearmedizin** 1980 Dec;19(6):263–70 (Eng. Abstr.) **(Ger)**
[Radionuclide angiography (RNA) with 99mTc-DTPA to follow palliative embolization of renal cell carcinoma (author's transl)] Moser E, et al. **ROFO** 1981 Sep; 135(3):267–74 (Eng. Abstr.) **(Ger)**
[The use of In-III-DTPA in the measurement of glomerular filtration in humans] Camuzzini GF, et al. **Minerva Nefrol** 1981 Oct–Dec;28(4):525–32 (Eng. Abstr.) **(Ita)**
[Photon-deficient kidney in 99mTc-DTPA serial scintigraphy (author's transl)] Seto H, et al. **Kaku Igaku** 1981 Nov;18(9):1255–61 (Eng. Abstr.) **(Jpn)**
[Kidney scintigraphy with 99mTc-DTPA in children] Zubovskiĭ GA, et al. **Pediatriia** 1982 May;(5):31–4 **(Rus)**
[Methods of radioindication in evaluating kidney function] Davydov GA. **Vestn Akad Med Nauk SSSR** 1981;(6):43–6 (Eng. Abstr.) **(Rus)**

METABOLISM

Evaluation of the viability of In-111-labeled DTPA coupled to fibrinogen. Layne WW, et al. **J Nucl Med** 1982 Jul; 23(7):627–30

PHARMACODYNAMICS

Investigations into techniques for removing intracellular plutonium-III. Bulman RA, et al. **Naturwissenschaften** 1981 Sep;68(9):483–5
[Autoradiographic visualization of the retention of 169Yb-citrate in bone and its removal by drugs (author's transl)] Chu SP, et al. **Chung Kuo Yao Li Hsueh Pao** 1981 Mar;2(1):64–6 (Eng. Abstr.) **(Chi)**
[Calcium desorption from the cornea while using complex-forming substances] Velikova TV, et al. **Biull Eksp Biol Med** 1981 Sep;92(9):299–301 (Eng. Abstr.) **(Rus)**

THERAPEUTIC USE

The prevention of alloxan-induced diabetes in mice by the iron-chelator detapac: suggestion of a role for iron in the cytotoxic process. Heikkila RE, et al. **Experientia** 1982 Mar 15;38(3):378–9
Removal of inhaled 241Am oxide particles of various sizes from beagle dogs using lung lavage and chelation treatment. Muggenburg BA, et al. **Health Phys** 1981 Jul; 41(1):123–33
Chelation of cadmium from metallothionein in vivo and its excretion in rats repeatedly injected with cadmium chloride. Cherian MG, et al. **J Pharmacol Exp Ther** 1982 Sep;222(3):699–704
[Current levels of cadmium in living organisms: physiopathological, clinical and therapeutic considerations] Mancinella A. **Clin Ter** 1981 Sep 15;98(5):545–60 (95 ref.) (Eng. Abstr.) **(Ita)**

DUAL PERSONALITY see **MULTIPLE-PERSONALITY DISORDER**

DUANE'S SYNDROME see under **OPHTHALMOPLEGIA**

DUBIN-JOHNSON SYNDROME see **JAUNDICE, CHRONIC IDIOPATHIC**

DUCK HEPATITIS VIRUS see under **ENTEROVIRUSES**

DUCKS

Amounts of twelve elements required to induce selenium-vitamin E deficiency in ducklings. Van Vleet JF. **Am J Vet Res** 1982 May;43(5):851-7

Amounts of eight combined elements required to induce selenium-vitamin E deficiency in ducklings and protection by supplements of selenium and vitamin E. Van Vleet JF. **Am J Vet Res** 1982 Jun;43(6):1049-55

Nutritional myopathy in ducklings: a growth rate-dependent symptom of 'tissue peroxidosis' due to a net nutritional shortage of vitamin E plus selenium in skeletal muscle. Vos J, et al. **Ann Nutr Metab** 1981;25(5):299-306

Superinfection in ducks persistently infected with duck plague virus. Burgess EC, et al. **Avian Dis** 1982 Jan-Mar; 26(1):40-6

Lead in preserved duck eggs: field screening test and confirmation and quantitation by atomic absorption spectrophotometry and anodic stripping voltammetry. Krinitz B, et al. **J Assoc Off Anal Chem** 1981 Jul; 64(4):1014-6

Trichobilharzia physellae (Digenea: Schistosomatidae) from endemic waterfowl on the high plains of Texas. Pence DB, et al. **J Wildl Dis** 1982 Jan;18(1):69-74

A new method for making an artificial air space on top of fertilized avian eggs. Callebaut M. **Poult Sci** 1981 Apr; 60(4):723-5

The effect of prolonged heat stress on adrenal weight, cholesterol, and corticosterone in White Pekin ducks. Hester PY, et al. **Poult Sci** 1981 Jul;60(7):1583-6

[Development of morphological changes after experimental Mycobacterium avium infection in ducks and geese] Černý L. **Vet Med (Praha)** 1982 Feb;27(2):95-100 (Eng. Abstr.) **(Cze)**

ANATOMY & HISTOLOGY

Changes in corticotropic responsiveness and mitochondrial ultrastructure of adrenocortical cells from the inner zone of the duck (Anas platyrhynchos) adrenal gland: the effects of cycloheximide, puromycin, and chloramphenicol. Pearce RB, et al. **Cell Tissue Res** 1981;221(1):45-57

Effect of estradiol on the Harderian gland in male domestic duckling. Gupta SK, et al. **Mikroskopie** 1981 Aug; 38(7-8):200-3

Effect of sex-hormones on the uropygial gland of the female domestic duckling. Sahu A, et al. **Mikroskopie** 1981 Aug; 38(7-8):204-12

Light and electron microscopic studies on the endocrine cells in the duck proventriculus. Okamoto T, et al. **Nippon Juigaku Zasshi** 1981 Dec;43(6):863-70

Control of air flow in bird lungs: radiographic studies. Jones JH, et al. **Respir Physiol** 1981 Aug;45(2):121-31

Light and electron microscopic investigations on stellate cells in pars distalis of the adenohypophysis of ducks and geese. Hassan AH. **Z Mikrosk Anat Forsch** 1981;95(5):855-64

[Arterial nerve cells of the base of the brain in the Peking duck] Markina LD. **Arkh Anat Gistol Embriol** 1982 Mar; 82(3):43-5 (Eng. Abstr.) **(Rus)**

BLOOD

Effects of ingested petroleum on plasma levels of ovarian steroid hormones in photostimulated mallard ducks. Cavanaugh KP, et al. **Arch Environ Contam Toxicol** 1982; 11(4):503-8

Nucleated thrombocytoid cells. II. Phase- and interference-contrast microscopic studies on blood cells of the domestic fowl. Janzarik H. **Cell Tissue Res** 1981; 219(3):497-510

Nucleotide sequence for a novel duck alpha-globin gene. Paddock GV, et al. **Eur J Biochem** 1981 Jul;117(2):269-73

Adrenocortical responses of ducks to treadmill exercise. Harvey S, et al. **J Endocrinol** 1982 Jul;94(1):141-6

Concentrations of luteinizing hormone and progesterone in plasma during sexual development of the Khaki Campbell duck. Wilson SC, et al. **J Endocrinol** 1982 Apr;93(1):47-53

Diurnal changes in the plasma concentrations of corticosterone, luteinizing hormone and progesterone during sexual development and the ovulatory cycle of Khaki Campbell ducks. Wilson SC, et al. **J Endocrinol** 1982 May;93(2):267-77

Hematological and blood chemical values of mallard, Anas p. platyrhynchos, drakes before, during and after remige moult. Driver EA. **J Wildl Dis** 1981 Jul;17(3):413-21

Leucocytic responses to progesterone in the juvenile female ducks. Gupta SK, et al. **Mikroskopie** 1981 Dec; 38(11-12):356-8

[Age and seasonal changes in the concentration of gonadotropins in the blood of ducks] Kondratiuk EA. **Fiziol Zh** 1982 Jan-Feb;28(1):97-8 **(Rus)**

EMBRYOLOGY

Effects of lindane, paraquat, toxaphene, and 2,4,5-trichlorophenoxyacetic acid on mallard embryo development. Hoffman DJ, et al. **Arch Environ Contam Toxicol** 1982;11(1):79-86

Development of species identification in ducklings: VIII. Embryonic versus postnatal critical period for the maintenance of species-typical perception. Gottlieb G. **J Comp Physiol Psychol** 1981 Aug;95(4):540-7

The haemoglobins of developing duck embryos. Cirotto C, et al. **J Embryol Exp Morphol** 1980 Dec;60:389-404

Effects of industrial effluents, heavy metals, and organic solvents on mallard embryo development. Hoffman DJ, et al. **Toxicol Lett** 1981 Sep;9(1):35-40

GROWTH & DEVELOPMENT

Effects of dietary nickel on survival and growth of mallard ducklings. Cain BW, et al. **Arch Environ Contam Toxicol** 1981 Nov;10(6):737-45

IMMUNOLOGY

Detection of influenza A viruses by sentinel domestic ducks in an ecological survey. Sinnecker H, et al. **Acta Virol (Praha)** 1982 Jan;26(1-2):102-4

Serological response of chickens, turkeys and ducks to strain V4 of Newcastle disease virus. Westbury HA. **Aust Vet J** 1981 Jul;57(7):328-32

Serological reactivity of duck sera to three electrophoretically characterized extracts of Aspergillus. Buxton IK, et al. **Comp Immunol Microbiol Infect Dis** 1981; 4(1):65-74

Isolation of yucaipa-like avian paramyxovirus from a wild mallard duck (Anas platyrhinchos) wintering in Israel. Lipkind M, et al. **Vet Rec** 1982 Jan 2;110(1):15-6

METABOLISM

Comparison of p-p'-DDE and o-p'-DDE on eggshell thickness and Ca binding activity of shell gland in ducks. Lundholm CE. **Acta Pharmacol Toxicol (Copenh)** 1980 Nov;47(5):377-84

Suppression of adrenocortical activity in mallard ducks exposed to petroleum-contaminated food. Gorsline J, et al. **Arch Environ Contam Toxicol** 1982;11(4):497-502

Effects of petroleum on adrenocortical activity and on hepatic naphthalene-metabolizing activity in mallard ducks. Gorsline J, et al. **Arch Environ Contam Toxicol** 1981 Nov;10(6):765-77

Tissue residues of dietary cadmium in wood ducks. Mayack LA, et al. **Arch Environ Contam Toxicol** 1981 Sep; 10(5):637-45

Accumulation of 14C-Naphthalene in the tissues of redhead ducks fed oil-contaminated crayfish. Tarshis IB, et al. **Arch Environ Contam Toxicol** 1982;11(2):155-9

Effects of crude oil ingestion on avian intestinal function. Eastin WC Jr, et al. **Can J Physiol Pharmacol** 1981 Oct; 59(10):1063-8

Collagen levels in tissues from selenium deficient ducks. Brown RG, et al. **Comp Biochem Physiol [A]** 1982; 72(2):383-9

Polymorphism of yolk proteins in the interspecific hybrids of ducks. Csuka J, et al. **Comp Biochem Physiol [B]** 1982; 71B(1):139-40

Hepatic mixed-function oxidase of the mallard duck (Anas platyrhynchos). Shackelford ME, et al. **Comp Biochem Physiol [C]** 1981;70(1):77-84

Adrenocortical function and hepatic naphthalene metabolism in mallard ducks (Anas platyrhynchos) consuming petroleum distillates. Gorsline J, et al. **Environ Res** 1982 Jun;28(1):139-46

Biosynthesis of soluble eye lens proteins in mallard (Anas platyrynchos) as revealed by isoelectric focusing and autoradiography. Brahma SK, et al. **Exp Eye Res** 1981 Nov; 33(5):515-24

Gas-liquid chromatographic and gas-liquid chromatographic-mass spectrometric determination of fenvalerate and permethrin residues in grasshoppers and duck tissue samples. Reichel WL, et al. **J Assoc Off Anal Chem** 1981 Sep;64(5):1196-200

Chemical and immunological properties and amino acid sequences of three lysozymes from Peking-duck egg white. Kondo K, et al. **J Biochem (Tokyo)** 1982 Feb;91(2):571-87

Ions and energy metabolism in duck salt-gland: possible role of furosemide-sensitive co-transport of sodium and chloride. Ernst SA, et al. **J Physiol (Lond)** 1982 Apr; 325:333-52

Recovery of cholinesterase activity in mallard ducklings administered organophosphorus pesticides. Fleming WJ, et al. **J Toxicol Environ Health** 1981 Nov-Dec; 8(5-6):885-97

DDE residues in young wood ducks (Aix sponsa) near a former DDT manufacturing plant. Fleming WJ, et al. **Pestic Monit J** 1981 Mar;14(4):115-8

Inhibition of monoamine oxidase in chickens and ducklings by a microbial metabolite of furazolidone. Ali BH, et al. **Q J Exp Physiol** 1982 Jan;67(1):69-79

Chlorinated hydrocarbons in diving ducks wintering in Gdańsk Bay, Baltic Sea. Falandysz J, et al. **Sci Total Environ** 1982 Jun;24(2):119-27

MICROBIOLOGY

Possible waterborne transmission and maintenance of influenza viruses in domestic ducks. Markwell DD, et al. **Appl Environ Microbiol** 1982 Jan;43(1):110-5

Growth of avian and human influenza viruses in organ cultures of duck and chicken colons. Ohta C, et al. **Arch Virol** 1981;70(2):137-45

Vertical transmission of duck plague virus (DPV) by apparently healthy DPV carrier waterfowl. Burgess EC, et al. **Avian Dis** 1981 Oct-Dec;25(4):795-800

Pathogenicity for chickens of avian influenza viruses isolated from whistling swans and a black-tailed gull in Japan. Otsuki K, et al. **Avian Dis** 1982 Apr-Jun;26(2):314-20

Chlamydia infection in ducks: preliminary communication. Bracewell CD, et al. **J R Soc Med** 1982 Apr;75(4):249-52

A common-source outbreaks of ornithosis in veterinary surgeons. Palmer SR, et al. **Lancet** 1981 Oct 10; 2(8250):798-9

Isolation of an Hswl Nav4 influenza virus from a tufted duck (Aythya fuligula) in Japan. Tsubokura M, et al. **Microbiol Immunol** 1981;25(8):819-25

Isolation and identification of paramyxoviruses from Japanese buntings (Emberiza spodocephala) and ducks (Anas crecca and Anas penelope). Kida H, et al. **Nippon Juigaku Zasshi** 1982 Apr;44(2):317-23

Chlamydia psittaci isolated from the eyes of domestic ducks (Anas platyrhynchos) with conjunctivitis and rhinitis. Farmer H, et al. **Vet Rec** 1982 Jan 16;110(3):59

Isolation of a haemagglutinating adenovirus from commercial ducks. Gough RE, et al. **Vet Rec** 1982 Mar 20;110(12):275-6

[Surveys on orthomyxoviruses and paramyxoviruses in domestic and feral ducks in China (author's transl)] Guo YJ, et al. **Chung Kuo I Hsueh Ko Hsueh Yuan Hsueh Pao** 1982; 4(1):32-6 (Eng. Abstr.) **(Chi)**

PARASITOLOGY

Granulomatous myositis in association with Sarcocystis sp. infection in wild ducks. Wobeser G, et al. **Avian Dis** 1982 Apr-Jun;26(2):412-8

Experimental transmission of Sarcocystis sp. (Protozoa: Sarcocystidae) between the shoveler (Anas clypeata) duck and the striped skunk (Mephitis mephitis). Cawthorn RJ, et al. **J Wildl Dis** 1981 Jul;17(3):389-94

Purine metabolism by the avian malarial parasite Plasmodium lophurae. Yamada KA, et al. **Mol Biochem Parasitol** 1981 Aug;3(4):253-64

Comparative migration, growth and development of Typhlocoelum cucumerinum sisowi in dabbling ducks and Typhlocoelum cucumerinum cucumerinum in diving ducks. Scott ME, et al. **Parasitology** 1982 Apr;84(Pt 2):333-50

PHYSIOLOGY

Responses to catecholamines and nerve stimulation of the perfused rete tibiotarsale and associated blood vessels in the hind limb of the Mallard (Anas platyrhynchos). Midtgård U, et al. **Acta Physiol Scand** 1981 May; 112(1):77-81

Control of diving responses by carotid bodies and baroreceptors in ducks. Lillo RS, et al. **Am J Physiol** 1982 Jan;242(1):R105-8

Ingestion of petroleum by breeding mallard ducks: some effects on neonatal progeny. Gorsline J, et al. **Arch Environ Contam Toxicol** 1982;11(2):147-53

Unweathered and weathered aviation kerosine: chemical characterization and effects on hatching success of duck eggs. Albers PH, et al. **Bull Environ Contam Toxicol** 1982 Apr;28(4):430-4

South Louisiana crude oil or DDE in the diet of mallard hens: effects on egg quality. Vangilder LD, et al. **Bull Environ Contam Toxicol** 1981 Mar;26(3):328-36

Influence of ingested petroleum on the reproductive performance and pituitary-gonadal axis of domestic ducks (Anas platyrhynchols). Harvey S, et al. **Comp Biochem Physiol [C]** 1982;72(1):83-9

Recovery from experimentally induced problem-solving deficits in neonatal Peking ducklings as a function of environmental stimulation. Heaton MB, et al. **Dev Psychobiol** 1981 Jan;14(1):59-65

The effects of castration on the seasonal pattern of plasma LH concentrations in wild mallard drakes. Haase E, et al. **Gen Comp Endocrinol** 1982 Jan;46(1):113-5

Reproductive performance and endocrine responses to ingested petroleum in domestic ducks (Anas platyrhynchos). Harvey S, et al. **Gen Comp Endocrinol** 1981 Nov;45(3):372-80

Central nervous versus total body thermosensitivity of the duck. Simon E, et al. **Int J Biometeorol** 1981 Sep; 25(3):249-56

Effect of cardiovascular variables on hyperpnea during recovery from diving in ducks. Lillo RS, et al. **J Appl Physiol** 1982 Jan;52(1):206-15

Quantitative study of synapse formation in the duck olfactory bulb. Rebiere A, et al. **J Comp Neurol** 1981 Nov 20; 203(1):103-20

Influence of insulin and glucagon on secretion of growth hormone in growing ducks (Anas platyrhynchos). Foltzer C, et al. **J Endocrinol** 1981 Nov;91(2):189-96

Properties of high Q10 units in the conscious duck's hypothalamus responsive to changes of core temperature.

Lin MT, et al. **J Physiol (Lond)** 1982 Jan;322:127–37

Brain stem sites mediating specific and non-specific temperature effects on thermoregulation in the pekin duck. Martin R, et al. **J Physiol (Lond)** 1981 May;314:161–74

In vitro inactivation of Clostridium botulinum toxins types B, C and E by digestive juices of man and ducks. Notermans S, et al. **Jpn J Med Sci Biol** 1980 Oct; 33(5):255–61

Effect of progesterone on the mitotic activity of the crop-sac of female juvenile duck. Bhat G, et al. **Mikroskopie** 1982 Jan;39(1–2):43–7

A delay in blood clotting of chickens and ducks induced by aflatoxin treatment. Bababunmi EA, et al. **Poult Sci** 1982 Jan;61(1):166–8

Influence of dietary selenium on performance, tissue selenium content, and plasma concentrations of selenium-dependent glutathione peroxidase, vitamin E, and ascorbic acid in ducklings. Dean WF, et al. **Poult Sci** 1981 Dec; 60(12):2655–63

Aortic pulse-wave velocity in chickens and ducks. Ploucha JM, et al. **Poult Sci** 1981 Oct;60(10):2337–41

Influence of water deprivation on water consumption, growth, and carcass characteristics of ducks. Veltmann JR Jr, et al. **Poult Sci** 1981 Mar;60(3):637–42

Changes in ventilatory flow rate in ducks in response to a single inspiration of air containing 5% CO2. Berger PJ. **Respir Physiol** 1981 Mar;43(3):241–8

Respiratory mechanics of Pekin ducks under four conditions: pressure breathing, anesthesia, paralysis or breathing CO2-enriched gas. Gillespie JR, et al. **Respir Physiol** 1982 Feb;47(2):177–91

Evidence of a sex related difference of transcortin level in adult ducks. Daniel JY, et al. **Steroids** 1981 Jul;38(1):29–34

Avoidance behaviour of young black ducks treated with chromium. Heinz GH, et al. **Toxicol Lett** 1981 Aug; 8(6):307–10

Tolerance of adult mallards to subacute ingestion of crude petroleum oil. Rattner BA. **Toxicol Lett** 1981 Aug; 8(6):337–42

DUCTUS ARTERIOSUS

[Lymph node tuberculosis of the ductus arteriosus in children] Borisova NK, et al. **Probl Tuberk** 1981 Jun; (6):28–30 (Eng. Abstr.) **(Rus)**

ABNORMALITIES

Failure of clinical response to prostaglandin E1 in a cyanotic infant with congenital absence of the ductus arteriosus. Hamilton WT, et al. **Cathet Cardiovasc Diagn** 1982; 8(3):273–6

DRUG EFFECTS

Prostaglandin E1 infants with ductus arteriosus-dependent congenital heart disease. Freed MD, et al. **Circulation** 1981 Nov;64(5):899–905

[Effect of obstetric drugs on the oxygen-induced contraction of the ductus arteriosus in the rabbit fetus] Endreffy E, et al. **Orv Hetil** 1981 Sep 27;122(39):2401–5 **(Hun)**

[Pharmacological contraction of the ductus arteriosus (author's transl)] Momma K. **Kokyu To Junkan** 1981 Oct; 29(10):1026–34 (104 ref.) **(Jpn)**

EMBRYOLOGY

Effects of antenatal glucocorticoid administration on ductus arteriosus of preterm lambs. Clyman RI, et al. **Am J Physiol** 1981 Sep;241(3):H415–20

ENZYMOLOGY

Evidence against a role for lipoxygenase-derived products of arachidonic acid in the lamb ductus arteriosus. Coceani F, et al. **Can J Physiol Pharmacol** 1982 Mar;60(3):345–9

METABOLISM

Formation of 6-oxoprostaglandin F1 alpha, 6,15-dioxoprostaglandin F1 alpha, and monohydroxyicosatetraenoic acids from arachidonic acid by fetal calf aorta and ductus arteriosus. Powell WS. **J Biol Chem** 1982 Aug 25;257(16):9457–63

PATHOLOGY

The morphology of the human newborn ductus arteriosus: a reappraisal of its structure and closure with special reference to prostaglandin E1 therapy. Silver MM, et al. **Hum Pathol** 1981 Dec;12(12):1123–36

PHYSIOLOGY

Oxygen-induced contraction in the guinea pig neonatal ductus arteriosus. Roulet MJ, et al. **Circ Res** 1981 Oct; 49(4):997–1002

Closure of the ductus arteriosus in normal and malformed human heart. Imamura H, et al. **Hiroshima J Med Sci** 1981 Mar;30(1):35–42

Ductus arteriosus closure may result from suppression of prostacyclin synthetase by an intrinsic hydroperoxy fatty acid. Needleman P, et al. **Prostaglandins** 1981 Oct; 22(4):675–82

[The ductus bump. Transient dilatation of the ductus arteriosus (author's transl)] Balderacchi U, et al. **J Radiol** 1982 Jan;63(1):45–7 (Eng. Abstr.) **(Fre)**

PHYSIOPATHOLOGY

Air in the ductus [letter] Salmes SH. **Pediatrics** 1981 Nov; 68(5):750–1

RADIOGRAPHY

Angiographic evaluation of the ductus diverticulum. Goodman PC, et al. **Cardiovasc Intervent Radiol** 1982; 5(1):1–4

SURGERY

Surgical treatment of patent ductus arteriosus in preterm infants. Four-year experience with ligation in the newborn intensive care unit. Eggert LD, et al. **Pediatr Cardiol** 1982; 2(1):15–8

[Patent Botalli duct with left-to-right shunt in premature infants] Fetter WP, et al. **Ned Tijdschr Geneeskd** 1982 Mar 6;126(10):415–8 (Eng. Abstr.) **(Dut)**

DUCTUS ARTERIOSUS, PATENT

Increased shunt through the patent ductus arteriosus after surfactant replacement therapy. Clyman RI, et al. **J Pediatr** 1982 Jan;100(1):101–7

BLOOD

Serum indomethacin concentrations after intravenous administration to preterm infants with patent ductus arteriosus. Petersen S, et al. **Acta Paediatr Scand** 1981 Sep; 70(5):729–33

Clinical evaluation of premature infants with patent ductus arteriosus: a scoring system with echocardiogram, acid-base, and blood gas correlations. Yeh TF, et al. **Crit Care Med** 1981 Sep;9(9):655–7

COMPLICATIONS

Interruption of the aortic arch with patent ductus arteriosus and ventricular septal defect in an adult. Sato K, et al. **Jpn Circ J** 1982 Jul;46(7):701–5

Interruption of the aortic arch with right descending aorta. A rare condition and a cause of bronchial compression. Pierpont ME, et al. **Pediatr Cardiol** 1982;2(2):153–9

[Aortic-pulmonary septal defect associated with patent ductus arteriosus----report of one case (author's transl] **Chung Hua Hsin Hsueh Kuan Ping Tsa Chih** 1981 Dec; 9(4):284–6 **(Chi)**

[Persistent neonatal thrombosis of the arterial duct (author's transl)] Mazanec K, et al. **Cas Lek Cesk** 1981; 120(50):1537–8 (Eng. Abstr.) **(Cze)**

[Successful correction of interrupted aortic arch associated with ventricular septal defect and patent ductus arteriosus (author's transl)] Kidani M, et al. **Kyobu Geka** 1982; 35(1):74–7 (Eng. Abstr.) **(Jpn)**

[Isolated levocardia with hepato-atrial discordance, interventricular communication and patent ductus arteriosus. Report of a case] Abath FG, et al. **Arq Bras Cardiol** 1981 Apr;36(4):281–5 (Eng. Abstr.) **(Por)**

[Persistent right ductus arteriosus and right type I aortic arch. Report of a case] Holden AM, et al. **Arch Inst Cardiol Mex** 1982 Jan-Feb;52(1):55–7 (Eng. Abstr.) **(Spa)**

DIAGNOSIS

Early prediction of symptomatic patent ductus arteriosus from perinatal risk factors: a discriminant analysis model. Cotton RB, et al. **Acta Paediatr Scand** 1981 Sep;70(5):723–7

Three puzzling wheezes that weren't asthma. Case presentations. Kolski G, et al. **Hosp Pract** 1981 Nov; 16(11):153, 156, 161 passim

Contrast echocardiography in diagnosis of PDA [letter] Bell EF. **J Pediatr** 1981 Oct;99(4):668–9

Detecting ductal shunting in premature infants by range-gated Doppler echocardiography. Rees A, et al. **South Med J** 1981 Sep;74(9):1101–3

[Ductus arteriosus Botalli persistens in adults with pressure compensation. Clinical symptoms and findings] Spangenberg G, et al. **Fortschr Med** 1981 Sep 24; 99(36):1447–2 **(Ger)**

[Incidence and type of diagnostic errors in congenital 'pale' heart defects] Mezentsev GD, et al. **Grudn Khir** 1982; 1:18–22 **(Rus)**

[Echocardiography and impulse echodopplercardiography in patent ductus arteriosus] Tulenov MT, et al. **Klin Med (Mosk)** 1981 Nov;59(11):70–4 (Eng. Abstr.) **(Rus)**

DRUG THERAPY

Intravenous indomethacin therapy in premature infants with patent ductus arteriosus. Causes of death and one-year follow-up. Yeh TF, et al. **Am J Dis Child** 1982 Sep; 136(9):803–7

Early indomethacin in patent ductus of the very small premature. Burnard ED, et al. **Aust Paediatr J** 1982 Mar; 18(1):28–31

Patent ductus arteriosus in premature babies [letter] **Br Med J [Clin Res]** 1982 Jan 9;284(6309):114–5

Indomethacin for closure of patent ductus arteriosus in prematures. Mullett MD, et al. **Clin Pediatr (Phila)** 1982 Apr;21(4):217–20

Pharmacologic maintenance of the ductus arteriosus. Freed MD. **Conn Med** 1982 Mar;46(3):131–4

Indomethacin in closure of patent ductus arteriosus. Vedanarayanan VV, et al. **Indian J Pediatr** 1981 Jul-Aug; 48(393):477–80

Management of tricuspid atresia with orally administered prostaglandin E2. Coe JY, et al. **J Pediatr** 1982 Mar; 100(3):496–7

Furosemide prevents the renal side effects of indomethacin therapy in premature infants with patent ductus arteriosus. Yeh TF, et al. **J Pediatr** 1982 Sep;101(3):433–7

Gastrointestinal perforation following indomethacin therapy in very low birth weight infants. Nagaraj HS, et al. **J Pediatr Surg** 1981 Dec;16(6):1003–7

Decreased plasma glucose after indomethacin therapy in premature infants with patent ductus arteriosus [letter] Yeh TF, et al. **Lancet** 1982 Jul 10;2(8289):104–5

Indomethacin for patent ductus arteriosus. **Med Lett Drugs Ther** 1981 Oct 30;23(22):95–6

Prophylactic indomethacin therapy for patent ductus arteriosus in very-low-birth-weight infants. Mahony L, et al. **N Engl J Med** 1982 Mar 4;306(9):506–10

A double blind study of the effects of oral indomethacin in preterm infants with patent ductus arteriosus who failed medical management. Neu J, et al. **Pediatr Pharmacol (New York)** 1981;1(3):245–9

Oral aqueous suspension of indomethacin should be abandoned [letter] Scanlon JW. **Pediatrics** 1982 Apr; 69(4):507

[Patent ductus arteriosus in premature newborns. Treatment with indomethacin (author's transl)] Marchal F, et al. **Arch Fr Pediatr** 1981 Aug-Sep;38(7):503–8 (Eng. Abstr.) **(Fre)**

[Prostaglandins E1 in the treatment of neonatal cardiopathies related to ductus arteriosus. 19 cases] Maesen Y, et al. **Arch Mal Coeur** 1981 May;74(5):579–85 (Eng. Abstr.) **(Fre)**

[Closure of persistent ductus arteriosus in premature infants by drug therapy] Hencz P, et al. **Orv Hetil** 1981 Oct 11; 122(41):2535–40 **(Hun)**

FAMILIAL & GENETIC

Congenital complete heart block and persistent ductus arteriosus associated with maternal systemic lupus erythematosus. Stephensen O, et al. **Br Heart J** 1981 Jul; 46(1):104–6

HISTORY

The continuous murmur of persistence of the ductus arteriosus-an historical review. Marquis RM. **Eur Heart J** 1980 Dec;1(6):465–78

IMMUNOLOGY

[Lymphocyte subpopulations of the peripheral blood in children with congenital heart defects] Matiushin IF, et al. **Pediatriia** 1982 Mar;(3):53–5 **(Rus)**

METABOLISM

A comparison of oral and intravenous indomethacin dispositions in the premature infant with patent ductus arteriosus. Evans M, et al. **Pediatr Pharmacol (New York)** 1981;1(3):251–8

PATHOLOGY

The ductus arterious and associated cardiac anomalies in interruption of the aortic arch. Oppenheimer-Dekker A, et al. **Pediatr Cardiol** 1982;2(3):185–93

Histologic findings of ductus arteriosus and pulmonary vascular disease in interrupted aortic arch. Yamaki S, et al. **Tohoku J Exp Med** 1982 Mar;136(3):291–8

PHYSIOPATHOLOGY

Echocardiographic diastolic flutter of the pulmonary valve in isolated patent ductus arteriosus. Fisher EA, et al. **Chest** 1982 Jan;81(1):74–7

The effect of patent ductus arteriosus on flow velocity in the anterior cerebral arteries: ductal steal in the premature newborn infant. Perlman JM, et al. **J Pediatr** 1981 Nov; 99(5):767–71

Continuous wave Doppler ultrasonographic quantitation of patent ductus arteriosus flow. Serwer GA, et al. **J Pediatr** 1982 Feb;100(2):297–9

Pulsatility index, patent ductus arteriosus, and brair damage. Bejar R, et al. **Pediatrics** 1982 Jun;69(6):818–22

Abnormal cerebral hemodynamics in preterm infants with patent ductus arteriosus. Lipman B, et al. **Pediatrics** 1982 Jun;69(6):778–81

[Ductus arteriosus in neonatal cyanotic cardiopathies. Value of the recording of the cutaneous partial pressure of oxygen] de Geeter B, et al. **Arch Mal Coeur** 1981 May; 74(5):573–8 (Eng. Abstr.) **(Fre)**

[Functional respiratory disorders in children with left-to-right shunt] Girardet JP, et al. **Arch Mal Coeur** 1981 Dec;74(12):1447–55 (Eng. Abstr.) **(Fre)**

[Typical and atypical variants of murmurs from persistent ductus arteriosus] Esquivel Avila J, et al. **Arch Inst Cardiol Mex** 1982 Jan-Feb;52(1):21–9 (Eng. Abstr.) **(Spa)**

RADIOGRAPHY

[Some problems in radiologic diagnosis of patent ductus arteriosus (author's transl)] Li YQ. **Chung Hua Fang She Hsueh Tsa Chih** 1981 May;15(2):111–4 **(Chi)**

RADIONUCLIDE IMAGING

Radionuclide angiography in the evaluation of ductal shunts in preterm infants. Vick GW 3d, et al. **J Pediatr** 1982 Aug; 101(2):264–8

SURGERY

Ligation of patent ductus arteriosus in very low birth weight infants. Nagle MG, et al. **Am J Surg** 1981 Dec;142(6):681–6

Mycotic aneurysm at site of formerly ligated ductus arteriosus caused by infective endarteritis. Hess J, et al. **Br Heart J** 1982 Jan;47(1):103–5

The use of TDMAC–heparin shunt in the closure of a calcified patent ducts arteriosus. O'Neill MJ Jr, et al. **J Cardiovasc Surg (Torino)** 1981 Nov–Dec;22(6):569–70

Primary definitive repair of type B interrupted aortic arch, ventricular septal defect, and patient ductus arteriosus. Early and late results. Moulton AL, et al. **J Thorac Cardiovasc Surg** 1981 Oct;82(4):501–10

Physician or technician: the surgeon in the nursery [letter] Sade RM. **J Thorac Cardiovasc Surg** 1981 Dec;82(6):938

Prophylactic indomethacin for patent ductus arteriosus [letter] Sweet AY. **N Engl J Med** 1982 Sep 2;307(10):628

Surgical treatment of patent ductus arteriosus in preterm infants. Four–year experience with ligation in the newborn intensive care unit. Eggert LD, et al. **Pediatr Cardiol** 1982; 2(1):15–8

Surgical treatment of calcified patent ductus arteriosus and coronary artery bypass surgery. A combined operative technique. Scheld HH, et al. **Thorac Cardiovasc Surg** 1982 Feb;30(1):39–40

Surgical closure of patent ductus arteriosus outside the operating theater. Pate JW, et al. **World J Surg** 1981 Nov; 5(6):873–5

[Patent Botalli duct with left–to–right shunt in premature infants] Fetter WP, et al. **Ned Tijdschr Geneeskd** 1982 Mar 6;126(10):415–8 (Eng. Abstr.) **(Dut)**

[Pulmonary gas exchange during ligation of the ductus arteriosus in premature infants (author's transl)] Metzler H, et al. **Anasth Intensivther Notfallmed** 1982 Apr; 17(2):92–5 **(Ger)**

[A case of surgical ligation of the patent ductus arteriosus in extremely premature infant (author's transl)] Kaneko K, et al. **Kyobu Geka** 1982;35(3):239–41 (Eng. Abstr.) **(Jpn)**

[A successful surgical treatment of adult patent ductus arteriosus with aortic, mitral, pulmonary and tricuspid regurgitation due to bacterial endocarditis (author's transl)] Kobayashi Y, et al. **Kyobu Geka** 1981 Oct;34(10):759–62 (Eng. Abstr.) **(Jpn)**

[A case of the ruptured aneurysm of the sinus of Valsalva and patent ductus arteriosus associated with extreme kyphoscoliosis (author's transl)] Kuribayashi R, et al. **Kyobu Geka** 1981 May;34(5):385–8 (Eng. Abstr.) **(Jpn)**

[Surgical correction of patent ductus arteriosus, associated with systemic pulmonary hypertension] Arnoni AS, et al. **Arq Bras Cardiol** 1981 Feb;36(2):121–3 **(Por)**

[Fistula between the aorta and left atrium in combination with patent ductus arteriosus] Mezentsev GD. **Grudn Khir** 1982 Mar–Apr;(2):92 **(Rus)**

THERAPY

Preschool assessment of infants with a patent ductus arteriosus: comparison of ligation and indomethacin therapy. Merritt TA, et al. **Am J Dis Child** 1982 Jun; 136(6):507–12

Patent ductus arteriosus in premature babies [letter] Barrie H. **Br Med J [Clin Res]** 1982 Jan 30;284(6312):345

Patent ductus arteriosus in premature babies [editorial] Chiswick ML. **Br Med J [Clin Res]** 1981 Dec 5; 283(6305):1490–2

Surgical and medical experience with 734 premature infants with patient ductus arteriosus. Mikhail M, et al. **J Thorac Cardiovasc Surg** 1982 Mar;83(3):349–57

[Patent ductus arteriosus in premature infants (review of the literature)] Blinova EI, et al. **Pediatriia** 1982 Jan;(1):70–2 (13 ref.) **(Rus)**

VETERINARY

Patent ductus arteriosus in a cat. Allen DG. **Can Vet J** 1982 Jan;23(1):22–3

Patent ductus arteriosus: anatomy and surgery in a cat. Jones CL, et al. **J Am Vet Med Assoc** 1981 Aug 15;179(4):364–9

Necrotizing pulmonary arteritis in a dog with patent ductus arteriosus. Turk JR, et al. **J Small Anim Pract** 1981 Sep; 22(9):603–8

Vascular ring caused by a left aortic arch, right ligamentum arteriosum and part of the right dorsal aorta in a cat. van der Linde–Sipman JS, et al. **Zentralbl Veterinarmed [A]** 1981;28(7):569–73

DUCTUS DEFERENS see **VAS DEFERENS**

DUE PROCESS see **JURISPRUDENCE**

DUFFY BLOOD–GROUP SYSTEM see under **BLOOD GROUPS**

DUHRING'S DISEASE see **DERMATITIS HERPETIFORMIS**

DULCITOL see under **SUGAR ALCOHOLS**

DUMPING SYNDROME

BLOOD

Catecholamines in the early dumping syndrome [letter] Shemerdiak WP, et al. **Clin Chem** 1982 Apr;28(4 Pt 1):722–3

[Gastrin level in blood during hypo– and hyperglycemia] Kalish Iul, et al. **Lab Delo** 1982;(4):197–9 **(Rus)**

DIAGNOSIS

Dumping and diarrhoea. Hobsley M. **Br J Surg** 1981 Oct; 68(10):681–4 (18 ref.)

[Specificity of the dumping syndrome] Polous IuM. **Vrach Delo** 1981 Mar;(3):33–6 (Eng. Abstr.) **(Rus)**

DRUG THERAPY

Low dose acarbose without symptoms of malabsorption in the dumping syndrome [letter] Jenkins DJ, et al. **Lancet** 1982 Jan 9;1(8263):109

ETIOLOGY

Gastric emptying and dumping after proximal gastric vagotomy. Kaushik SP, et al. **Am J Gastroenterol** 1982 Jun; 77(6):363–7

Neurotensin and substance P and dumping syndrome. Ito S, et al. **Tohoku J Exp Med** 1981 Sep;135(1):11–21

[Dumping syndrome after esophagoplasty using the jejunum] Rosińska T, et al. **Med Welt** 1981 Oct 9;32(41):1520–2 **(Ger)**

[The dumping syndrome. Surgical treatment] Setlacec D, et al. **Rev Chir [Chir]** 1982 Jan–Feb;31(1):9–20 (Eng. Abstr.) **(Rum)**

METABOLISM

[Kinetics of intestinal absorption in cases of dumping syndrome following partial gastrectomy and pyloric stenosis (author's transl)] Weiner R, et al. **Zentralbl Chir** 1982;107(2):78–86 (Eng. Abstr.) **(Ger)**

OCCURRENCE

[Incidence of the dumping syndrome after gastric resection for ulcer disease] Mañhal J. **Rozhl Chir** 1981 Sep; 60(9):613–8 (Eng. Abstr.) **(Cze)**

PHYSIOPATHOLOGY

[Roentgenological evaluation of the functional state of the stomach and intestines in the dumping syndrome before and after truncal vagotomy] Segalov VM, et al. **Klin Khir** 1981 Aug;(8):70–1 **(Rus)**

SURGERY

Surgical treatment of the dumping syndrome: new method [letter] Cuschieri A. **Ann R Coll Surg Engl** 1982 Mar; 64(2):134–5

A new method for the surgical treatment of the dumping syndrome. Lygidakis NJ. **Ann R Coll Surg Engl** 1981 Nov; 63(6):411–4

Dumping symptoms after vagotomy treated by reversal of pyloroplasty. Ebied FH, et al. **Br J Surg** 1982 Sep; 69(9):527–8

Surgery for dumping syndrome: a new surgical approach to an old problem. (Part I of two parts). Lygidakis NJ. **Med Chir Dig** 1982;11(1):37–40

[Surgical treatment of the dumping syndrome] Schmolke M. **Med Welt** 1981 Nov 27;32(48):1828–31 **(Ger)**

[The dumping syndrome. Surgical treatment] Setlacec D, et al. **Rev Chir [Chir]** 1982 Jan–Feb;31(1):9–20 (Eng. Abstr.) **(Rum)**

[Mortality rate after reoperation on the duodenum in the dumping syndrome] Volobuev NN. **Klin Khir** 1981 Aug; (8):46–7 (Eng. Abstr.) **(Rus)**

[Truncal supradiaphragmatic vagotomy in the treatmentr of patients with dumping syndrome] Segalov VM, et al. **Sov Med** 1982;(4):96–8 **(Rus)**

THERAPY

The dumping syndrome. Ralphs DN. **Br J Clin Pract** 1981 Sep;35(9):291–3

Postgastrectomy syndromes. Cooperman AM. **Surg Annu** 1981;13:139–61 (127 ref.)

DUODENAL DISEASES

Intraluminal duodenal diverticulum [letter] Schwartz SS. **Gastroenterology** 1982 Feb;82(2):397

CHEMICALLY INDUCED

Duodenal perforation with tolazoline therapy [letter] Matsuo M, et al. **J Pediatr** 1982 Jun;100(6):1005–6

[Spontaneous extensive duodenal hematoma during fibrinolytic treatment. Ultrasonographic diagnosis and follow–up (author's transl)] Delgoffe C, et al. **J Radiol** 1981 Mar;62(3):187–9 (Eng. Abstr.) **(Fre)**

[Partial relapsing duodenal stenosis in chronic relapsing pancreatitis (author's transl)] Otto P. **Praxis** 1982 Mar 2; 71(9):388–93 (Eng. Abstr.) **(Ger)**

COMPLICATIONS

Radiology rounds. Persistent lumbar pain and low–grade fever in a 62–year–old man. Russinovich NA, et al. **Ala J Med Sci** 1982 Jan;19(1):65–8

Small bowel obstruction due to enterolith (bezoar) formed in a duodenal diverticulum: a case report and review of the literature. Shocket E, et al. **Am J Gastroenterol** 1982 Sep;77(9):621–4

Cholangitis and pancreatitis due to juxtapapillary duodenal diverticulum. Endoscopic sphincterotomy is the other alternative in selected cases. Thomas E, et al. **Am J Gastroenterol** 1982 May;77(5):303–4

Recurrent biliary calculi: duodenal diverticula as a predisposing factor. Løtveit T, et al. **Ann Surg** 1982 Jul; 196(1):30–2

Intestinal malrotation demonstrated by small–bowel tube. Gage TP, et al. **J Clin Gastroenterol** 1982 Apr;4(2):177–9

Duodenal and jejunal diverticula causing a pneumoperitoneum. Madura MJ, et al. **J Clin Gastroenterol** 1981;3 Suppl 1:61–3

Duodenal diverticula and gallstone disease. Løtveit T. **J Oslo City Hosp** 1982 May–Jun;32(5–6):67–77

Duodenogastric intussusception causing gastric outlet obstruction. Oswald MP, et al. **J Pediatr Surg** 1982 Feb; 17(1):82–3

Juxtampullary, bile–filled duodenal duplication cyst: another surgically correctable cause of acute pancreatitis. Jones PA, et al. **J R Soc Med** 1982 Aug;75(8):662–4

Malignant duodenocolic fistula—a case report. Mori F, et al. **Jpn J Surg** 1981 Jan;11(1):50–3

The association of oesophagitis with disease in the stomach and duodenum. Bateson MC, et al. **Postgrad Med J** 1981 Apr;57(666):217–8

Duodenogastric reflux in patients with heartburn and oesophagitis. Matikainen M, et al. **Scand J Gastroenterol** 1981;16(2):253–5

The pathologic implication of duodenal diverticula. Eggert A, et al. **Surg Gynecol Obstet** 1982 Jan;154(1):62–4

Mycotic aortic pseudoaneurysm with aortoenteric fistula caused by Arizona hinshawii. McIntyre KE Jr, et al. **Surgery** 1982 Feb;91(2):173–7

[An unusual cause of postoperative ileus in a child] Stuj J. **Rozhl Chir** 1981 Oct;60(10):686–8 (Eng. Abstr.) **(Cze)**

[Annular pancreas associated with ulcerated duodenal diverticulum] Filippov AA. **Khirurgiia (Mosk)** 1982 Jan; (1):103 **(Rus)**

[Pathology of the pancreatobiliary system due to paracholedochal diverticulum of the duodenum] Radzikhovskii AP, et al. **Klin Khir** 1981 Dec;(12):46 **(Rus)**

[Duodenogastric reflux] Akimov NP, et al. **Ter Arkh** 1982; 54(4):137–9 **(Rus)**

[Digestive hemorrhage caused by aortoduodenal fistula: apropos of a new case] de la Torre JC, et al. **Rev Esp Enferm Apar Dig** 1981 Sep;60(3):285–92 (Eng. Abstr.) **(Spa)**

CONGENITAL

[Duplication of the duodenum] Hansen PK, et al. **Ugeskr Laeger** 1981 Dec 7;143(50):3394–5 (Eng. Abstr.) **(Dan)**

[Ledd's syndrome in adults] Zhardan LM, et al. **Vestn Khir** 1982 Apr;128(4):79–80 **(Rus)**

DIAGNOSIS

Duodenal hematoma [clinical conference] Vukich DJ, et al. **Ann Emerg Med** 1982 Jan;11(1):65–8

Pyelo–duodenocutaneous fistula. Barlan EV, et al. **Br J Urol** 1982 Feb;54(1):59

Management of duodenal diverticula. Scudamore CH, et al. **Can J Surg** 1982 May;25(3):311–4

Aortoduodenal fistula: endoscopic diagnosis [letter] Martin J, et al. **Dig Dis Sci** 1981 Oct;26(10):956–7

Pancreatic pseudocyst and pancreatico–duodenal fistula diagnosed by endoscopic fistulography. Hoff G, et al. **Endoscopy** 1981 Sep;13(5):221–2

Duodenal duplication: an unexpected finding at surgery. Case report. DeBoer JL. **Milit Med** 1981 Sep;146(9):656–8

Malignant duodenocolic fistulae. A report of three cases. Nakamoto K, et al. **Nippon Geka Hokan** 1982 Jan 1; 51(1):176–85

[Intraluminal diverticulum of the duodenum] Grove O, et al. **Ugeskr Laeger** 1981 Sep 7;143(37):2352–3 (Eng. Abstr.) **(Den)**

[Diagnostic and economical evaluation of upper digestive endoscopy as the initial investigation of lesions of the upper gastrointestinal tract. A prospective study in 184 unselected not bleeding patients (author's transl)] Deschamps JP, et al. **Gastroenterol Clin Biol** 1982 Mar;6(3):229–34 (Eng. Abstr.) **(Fre)**

[Calculous stenosis of the duodenum. Five observations (author's transl)] Carabalona P, et al. **Sem Hop Paris** 1981 Nov 8–25;57(41–42):1723–9 (Eng. Abstr.) **(Fre)**

[Intramural hematoma of the duodenum (author's transl)] Bühler H, et al. **Praxis** 1981 Nov 10;70(46):2094–7 (Eng. Abstr.) **(Ger)**

[Endoscopic aspects of duodenal diseases in infancy and childhood (author's transl)] Burdelski M, et al. **Praxis** 1981 Nov 10;70(46):2056–63 (Eng. Abstr.) **(Ger)**

[Choledochocele and Intraduodenal Diverticulum (author's transl)] Miederer SE, et al. **Praxis** 1981 Nov 10; 70(46):2068–76 (Eng. Abstr.) **(Ger)**

[Sonographic aspects of intramural duodenal bleeding (author's transl)] Aufschnaiter M. **ROFO** 1982 Jul; 137(1):91–4 (Eng. Abstr.) **(Ger)**

[Intraluminal diverticulum of the duodenum] Liebe S, et al. **Z Gesamte Inn Med** 1981 Jun 15;36(12):425–8 (Eng. Abstr.) **(Ger)**

[Measurement of duodenogastric reflux: standardization of a new technic with I-131 labeled sulfobromophthalein] Pires PW, et al. **Rev Paul Med** 1981 Jan–Mar;97(1–3):21–4 (Eng. Abstr.) **(Por)**

[Measurement of duodenogastric reflux by I131-labelled bromsulphalein: technical aspects and results in gastric ulcer patients] Pires PW, et al. **Rev Paul Med** 1981 Apr–Jun;97(4–6):50–3 (Eng. Abstr.) **(Por)**

[Pyeloduodenal fistula] Nguyen HZ. **Khirurgiia (Mosk)** 1981 Sep;(9):115 **(Rus)**

[Method of diagnosing retroperitoneal ruptures of the duodenum] Podoprigora AP, et al. **Klin Khir** 1982 Apr; (4):78 **(Rus)**

[Role of ultrasound in diagnosis of hepatopancreatoduodenal diseases] Minushkin ON, et al. **Ter Arkh** 1981;53(10):101–5 **(Rus)**

[Duodenal diverticula] Mamykin SN. **Vestn Khir** 1982 Feb; 128(2):15–9 **(Rus)**

[Detection of gastric and duodenal diseases by a thermovisor] Zaltseva RI. **Vrach Delo** 1981 Mar;(3):25–9 (Eng. Abstr.) **(Rus)**

[Comparative analysis of endoscopic, radiographic and histopathologic findings in gastroduodenal diseases] Naumov B, et al. **Med Pregl** 1981;34(9–10):401–9 (Eng. Abstr.) **(Scc)**

DRUG THERAPY

[Calcium gluconate in the pathogenetic treatment of Salmonella infection] Frolov AG, et al. **Sov Med** 1981; (8):117–8 **(Rus)**

ETIOLOGY

Recurrent aortoduodenal fistula: a lesson in management. Hill SL, et al. **Am Surg** 1982 Mar;48(3):137–40

Cholecystoduodenocolic fistula following abdominal trauma. Griffith CD, et al. **Br J Surg** 1982 Feb;69(2):99–100

Duodenogastric reflux: is there any progress? [letter] Thomas WE. **Br Med J [Clin Res]** 1982 Apr 24;284(6324):1266–7

Enteroduodenal fistulas in Crohn's disease. Goldwasser B, et al. **Dis Colon Rectum** 1981 Sep;24(6):485–6

Choledochoduodenal fistula due to tuberculosis. Al Nakib B, et al. **Endoscopy** 1982 Mar;14(2):64–5

Intramural hematoma of the duodenum in a patient with chronic pancreatitis. van Spreeuwel JP, et al. **Endoscopy** 1981 Nov;13(6):246–8

Fever and anemia of unknown origin. Dietrich JE, et al. **Hosp Pract** 1982 Jul;17(7):134–5, 139

Malignant duodenocolic fistulas: a case report and review of the literature. Chang AE, et al. **J Surg Oncol** 1982 Sep; 21(1):33–6

[Aortoiliac prosthesis as a cause of intestinal hemorrhage] Eerola S, et al. **Duodecim** 1981;97(19):1629–32 **(Fin)**

[Aortoduodenal fistulae following prosthetic repair of the abdominal aorta (author's transl)] Richer de Forges M, et al. **Ann Chir** 1982 Mar;36(3):197–206 (Eng. Abstr.) **(Fre)**

[Quantification of duodenogastric reflux in patients with different gastric resections (author's transl)] Kliems G, et al. **Langenbecks Arch Chir** 1981;354(4):273–9 (Eng. Abstr.) **(Ger)**

[Rare sources of duodenal hemorrhage: von Willebrand's disease, hereditary hemorrhagic telangiectasia, brunneroma and leiomyoma (author's transl)] Giger M, et al. **Praxis** 1982 Mar 2;71(9):360–4 (Eng. Abstr.) **(Ger)**

[Spontaneous duodeno–choledochal fistula] Taubert G. **Z Arztl Fortbild (Jena)** 1981 Aug 1;75(15):715–7 **(Ger)**

[A case of duodenocolic fistula caused by duodenal ulcer] Guzzetti A. **Chir Ital** 1981 Aug;33(4):934–7 **(Ita)**

[Duodenal stenosis caused by right traumatic diaphragmatic hernia (author's transl)] Ota H, et al. **Rinsho Hoshasen** 1982 Jan;27(1):135–8 (Eng. Abstr.) **(Jpn)**

[Cyst of the anterior duodenal wall associated with polycystic kidney] Głuszek S, et al. **Wiad Lek** 1981 Mar 1;34(5):407–9 (Eng. Abstr.) **(Pol)**

[Duodenocolic fistula as a complication of chronic duodenal ulcer] Tuguzbaev GIa, et al. **Khirurgiia (Mosk)** 1982 Mar; (3):68 **(Rus)**

[Microbial factor in the pathogenesis of organic diseases of the „epatopancreatoduodenal area] Umovist MN, et al. **Vrach Delo** 1982 Jun;(6):40–2 **(Rus)**

[Entero-paraprosthetic fistula: presentation of a case] Viver Manresa E, et al. **Angiologia** 1981 Jul–Aug;33(4):179–85 (Eng. Abstr.) **(Spa)**

[Biliary ileus: analysis of 25 cases with 4 Bouveret's syndrome] Zurita Romero M, et al. **Rev Esp Enferm Apar Dig** 1981 Sep;60(3):257–69 (Eng. Abstr.) **(Spa)**

[Aortoduodenal fistula after aortic reconstruction] Weibull H, et al. **Lakartidningen** 1982 Feb 10;79(6):421 **(Swe)**

METABOLISM

Biliary pigment and cholesterol calculi in patients with and without juxtapapillary duodenal diverticula. Løtveit T, et al. **Scand J Gastroenterol** 1981;16(2):241–4

[Levels of various trace elements in the saliva and urine of children with pathology of the digestive organs] Fedorova EV, et al. **Pediatriia** 1982 May;(5):14–6 **(Rus)**

OCCURRENCE

[Results of subjective and endoscopic studies on the incidence of upper digestive tract pathology among industrial workers] Popiela T, et al. **Med Pr** 1981;32(3):173–82 (Eng. Abstr.) **(Pol)**

PATHOLOGY

Endoscopic small intestinal biopsy. Scott BB, et al. **Gastrointest Endosc** 1981 Aug;27(3):162–7

Mucosal biopsy of the esophagus, stomach, and proximal duodenum. Goldman H, et al. **Hum Pathol** 1982 May; 13(5):423–48

Ultrastructure and electron-probe x-ray analysis of the pigment in melanosis duodeni. Pounder DJ, et al. **J Submicrosc Cytol** 1982 Apr;14(2):389–400

[Duodenal diverticula combined with peptic ulcer] Viiachki I, et al. **Khirurgiia (Sofiia)** 1982;35(2):218–20 **(Bul)**

[Aortic aneurysm and aortoduodenal fistula (author's transl)] De Peyer R, et al. **Praxis** 1982 Mar 2;71(9):365–7 (Eng. Abstr.) **(Fre)**

[Involvement of the duodenum in amyloidosis (author's transl)] Widgren S. **Praxis** 1981 Aug 18;70(34):1467–9 (Eng. Abstr.) **(Fre)**

[Stenosing abnormal configuration of the duodenum (author's transl)] Berthold S, et al. **Praxis** 1981 Nov 10;70(46):2091–3 (Eng. Abstr.) **(Ger)**

[Depositions of amyloid in the duodenum (author's transl)] Bosseckert H. **Praxis** 1981 Nov 10;70(46):2053–5 (Eng. Abstr.) **(Ger)**

[Bleeding vascular lesions (TAP) of the duodenum (author's transl)] Fehr HF. **Praxis** 1982 Mar 2;71(9):351–4 (Eng. Abstr.) **(Ger)**

[Duodenal diaphragm in adults (3 case reports) (author's transl)] Klaiber C, et al. **Praxis** 1981 Nov 10;70(46):2077–85 (Eng. Abstr.) **(Ger)**

[Nodular lymphoid hyperplasia of the small intestine associated with common variable immunodeficiency (author's transl)] Müller E, et al. **Praxis** 1981 Aug 18; 70(34):1472–6 (Eng. Abstr.) **(Ger)**

[Internal fistulae between the extrahepatic bile ducts, stomach and duodenum] Matveev NK, et al. **Klin Khir** 1981 Sep; (9):58–9 **(Rus)**

PHYSIOPATHOLOGY

Gastric emptying and postprandial duodenogastric reflux in dogs with Heineke-Mikulicz pyloroplasty. Müller-Lissner SA, et al. **Br J Surg** 1982 Jun;69(6):323–7

Effect of truncal vagotomy on functional and morphological changes produced by duodenogastric reflux. Thomas WE. **Dig Dis Sci** 1982 Jul;27(7):609–14

[Electrogastrographic bioretroaction. Importance in psychosomatic medicine. Apropos of 4 cases of gastroduodenal dyskinesia] Voisinet C, et al. **Ann Med Psychol (Paris)** 1981 Feb;139(2):236–45 **(Fre)**

[Functional disorders of the upper gastrointestinal tract in diseases of the pyloroduodenal area] Zlatkina AR, et al. **Sov Med** 1981;(6):16–21 (Eng. Abstr.) **(Rus)**

RADIOGRAPHY

Crohn's disease of the stomach and duodenum. Marshak RH, et al. **Am J Gastroenterol** 1982 May;77(5):340–1

Gastroduodenal erosions: radiological findings. Catalano D, et al. **Gastrointest Radiol** 1982;7(3):235–40

X-ray casebook: The case of the Bouveret's syndrome. Seaman WB. **Hosp Pract** 1982 Jul;17(7):143–4

Renoduodenal fistula involving an ectopic kidney. Schreiber S, et al. **J Belge Radiol** 1981;64(3):277–80

Computed tomographic diagnosis of internal hernia. Harbin WP. **Radiology** 1982 Jun;143(3):736

[Endoluminal duodenal diverticulum (author's transl)] Marchal M, et al. **Ann Radiol (Paris)** 1981;24(8):656–60 (Eng. Abstr.) **(Fre)**

[Uncommon diverticula of the upper digestive tract (author's transl)] Gallina F, et al. **J Belge Radiol** 1981;64(6):507–9 (Eng. Abstr.) **(Fre)**

[Intraluminal duodenal diverticulum] Hanssens JF, et al. **J Belge Radiol** 1981;64(5):425–7 (Eng. Abstr.) **(Fre)**

[Multiple intraluminal duodenal diverticula] Manoiakis PG, et al. **ROFO** 1982 May;136(5):608–10 **(Ger)**

[Clinical and roentgenologic aspects of high gallstone ileus] Rupp HG, et al. **ROFO** 1982 Feb;136(2):215–7 **(Ger)**

[Intraluminal duodenal diverticulum. Roentgenologic and surgical findings] Wolf KJ, et al. **ROFO** 1982 Jul; 137(1):108–10 **(Ger)**

[A case of intraluminal duodenal diverticulum (author's transl)] Koganemaru M, et al. **Rinsho Hoshasen** 1981 Aug 26;26(8):893–6 (Eng. Abstr.) **(Jpn)**

[Use of cerucal and galanthamine in the x-ray diagnosis of stomach and duodenal diseases] Butvin GK, et al. **Sov Med** 1981;(7):115–7 **(Rus)**

RADIONUCLIDE IMAGING

Scintigraphic evaluation of disorders of the esophagus, stomach, and duodenum. Malmud LS, et al. **Med Clin North Am** 1981 Nov;65(6):1291–310

[Giant duodenal diverticula with heterotopic gastric mucosa. Its demonstration with technetium 99] Kerzberg E, et al. **Acta Gastroenterol Latinoam** 1981;11(2):301–8 (Eng. Abstr.) **(Spa)**

SURGERY

Successful repair of three primary aortoduodenal fistulae. Pfeiffer RB Jr. **Arch Surg** 1982 Aug;117(8):1098–9

A technique for the operative closure of persistent external small-bowel fistulas. Hill GL, et al. **Aust NZ J Surg** 1981 Oct;51(5):477–85

Biliary enteric fistula. Glenn F, et al. **Surg Gynecol Obstet** 1981 Oct;153(4):527–31

[Management of external duodenal fistula (author's transl)] Jiang GJ. **Chung Hua Wai Ko Tsa Chih** 1981 Jul;19(7):407–9 (Eng. Abstr.) **(Chi)**

[Isolated varicose veins of the bulbus duodeni in portal hypertension] Ullrich F, et al. **Chirurg** 1981 Aug; 52(8):540–1 **(Ger)**

[Intraluminal duodenal diverticulosis] Koch W, et al. **Med Welt** 1981 Oct 9;32(41):1518–9 **(Ger)**

[Gastrointestinal bleedings: bleeding from the distal duodenum, the liver, the pancreas, the jejunum and the ileum (author's transl)] Largiadèr F. **Praxis** 1981 Dec 1; 70(49):2213–5 **(Ger)**

[Intraduodenal diverticulum as a result of a congenital membrane] Bischof B, et al. **Zentralbl Chir** 1981; 106(19):1309–12 **(Ger)**

[Reoperation because of early complications after gastroduodenal surgery] Liavåg I. **Tidsskr Nor Laegeforen** 1981 Nov 30;101(33):1875–7 (Eng. Abstr.) **(Nor)**

[Gastric resection with triple gastrojejunal, duodenojejunal and jejunojejunal anastomosis on omega loops] Bancu EV, et al. **Rev Chir [Chir]** 1981 Nov–Dec;30(6):441–4 **(Rum)**

[Combined treatment of external intestinal fistulae] Volkolakov IaV, et al. **Khirurgiia (Mosk)** 1981 Sep; (9):47–50 (Eng. Abstr.) **(Rus)**

THERAPY

Gastroduodenal disorders: common dilemmas in management. Austad WI. **Drugs** 1982 Jan–Feb; 23(1–2):158–64

Management of lateral duodenal fistulas: a study of fourteen cases. Malangoni MA, et al. **Surgery** 1981 Oct;90(4):645–51

[Intramural duodenal hematoma: conservative treatment in six cases (author's transl)] Eizaguirre I, et al. **An Esp Pediatr** 1982 Jan;16(1):53–9 (Eng. Abstr.) **(Spa)**

DUODENAL NEOPLASMS

[Duodenal leiomyosarcoma with left hepatic metastasis treated by total exeresis (author's transl)] Cagetti M, et al. **Sem Hop Paris** 1982 May 20;58(20):1261–3 (Eng. Abstr.) **(Fre)**

CHEMICALLY INDUCED

Enhancing effect of hydrogen peroxide upon duodenal and upper jejunal carcinogenesis in rats. Hirota N, et al. **Gan** 1981 Oct;72(5):811–2

Induction of duodenal tumors in mice by oral administration of hydrogen peroxide. Ito A, et al. **Gan** 1981 Feb; 72(1):174–5

COMPLICATIONS

Gastrin-secreting tumor of the duodenum (G-cell apudoma) associated with secondary biliary cirrhosis. Lee WM, et al. **Cancer** 1982 Jun 15;49(12):2596–601

Gastrointestinal bleeding from large angiomas. Sutton D, et al. **Clin Radiol** 1981 Nov;32(6):629–32

Malignant duodenocolic fistula--a case report. Mori F, et al. **Jpn J Surg** 1981 Jan;11(1):50–3

Malignant duodenocolic fistulae. A report of three cases. Nakamoto K, et al. **Nippon Geka Hokan** 1982 Jan 1; 51(1):176–85

[Rare sources of duodenal hemorrhage: von Willebrand's disease, hereditary hemorrhagic telangiectasia, brunneroma and leiomyoma (author's transl)] Giger M, et al. **Praxis** 1982 Mar 2;71(9):360–4 (Eng. Abstr.) **(Ger)**

DIAGNOSIS

Clinically diagnosed small intestinal tumors in an urban Swedish area. A 10-year survey. Ahlman H, et al. **Acta Chir Scand** 1981;147(5):371–6

Primary malignant lymphoma of the duodenum. Case report. Hermansen C, et al. **Acta Chir Scand** 1981;147(4):303–4

Leiomyosarcoma of the duodenum. Two case reports and a literature review. Barkan A, et al. **Am J Proctol Gastroenterol Colon Rectal Surg** 1981 Aug; 32(8):18–21, 28 (34 ref.)

Localized duodenal lymphoma masquerading as a duodenal ulcer. Grischkan D, et al. **Can J Surg** 1982 Mar;25(2):213–5

Brunner's gland adenoma: diagnostic considerations. Maglinte DD, et al. **J Clin Gastroenterol** 1982 Apr; 4(2):127–31

Endoscopic diagnosis of duodenal neoplasms causing upper

gastrointestinal bleeding. Sharon P, et al. **J Clin Gastroenterol** 1982 Feb;4(1):35–8

Heterotopic gastric mucosa in the duodenum. Lessells AM, et al. **J Clin Pathol** 1982 Jun;35(6):591–5

Intestinal leiomyosarcoma in childhood—case report and review of the literature. Angerpointner TA, et al. **J Pediatr Surg** 1981 Aug;16(4):491–5

Leiomyosarcoma of the duodenum simulating pancreatic carcinoma: case report. Pope TL Jr, et al. **Va Med** 1982 Jun;109(6):398–400

[Clinical manifestations of aberrant pancreas] Vobořil Z, et al. **Rozhl Chir** 1980 Jul;59(7):490–3 (Eng. Abstr.) **(Cze)**

[Leiomyosarcoma of the duodenum. A new case and review of the literature (author's transl)] Saubier EC, et al. **J Chir (Paris)** 1981 Sep;118(8–9):473–81 (30 ref.) (Eng. Abstr.) **(Fre)**

[Villous tumors of the duodenum: a precancerous lesion? (author's transl)] Bosseckert H. **Praxis** 1982 May 25; 71(21):903–6 (Eng. Abstr.) **(Ger)**

[Primary malignant lymphoma of the duodenum (author's transl)] Kobler E, et al. **Praxis** 1982 May 25;71(21):924–7 (Eng. Abstr.) **(Ger)**

[Duodenal polyps (author's transl)] Ottenjann R, et al. **Praxis** 1982 May 25;71(21):895–902 (Eng. Abstr.) **(Ger)**

[7 cases of heterotopic pancreatic islands simulating gastroduodenal ulcer] Rizzi B, et al. **Chir Ital** 1981 Jun; 33(3):674–92 **(Ita)**

[Cases and diagnosis of duodenal tumors originated from other organs (author's transl)] Sakata T, et al. **Rinsho Hoshasen** 1981 Sep;26(9):973–6 (Eng. Abstr.) **(Jpn)**

[Leiomyosarcoma with ulceration of the duodenum and jejunum (author's transl)] Zuguchi M, et al. **Rinsho Hoshasen** 1982 Apr;27(4):469–72 **(Jpn)**

[Preoperative cytological diagnosis of duodenal neoplasms] Shimkevich LL, et al. **Lab Delo** 1982;(2):83–7 (Eng. Abstr.) **(Rus)**

[Diagnosis of cancer of the organs of the pancreatoduodenal area in jaundice patients] Kariakin AM, et al. **Vestn Khir** 1982 May;128(5):28–31 **(Rus)**

[Benign nonepithelial tumors of the small intestine] Prikupets VL, et al. **Vestn Khir** 1981 Dec;127(12):83–5 **(Rus)**

ETIOLOGY

[Extracolonic manifestations in Gardner's syndrome] Shemesh E, et al. **Harefuah** 1981 May 1;100(9):413–5 (Eng. Abstr.) **(Heb)**

FAMILIAL & GENETIC

[Juvenile carcinoma of the duodenum in two brothers (author's transl)] Kukleta JF, et al. **Praxis** 1982 May 25; 71(21):920–3 **(Ger)**

PATHOLOGY

Histopathological study of early lesions of pancreatoduodenal cancer. Miwa A, et al. **Acta Pathol Jpn** 1982 Mar; 32(2):293–305

Premalignant lesions of the periampullary region. Report of two cases. Benediktsdottir K, et al. **Ann Chir Gynaecol** 1981;70(2):86–9

Villous adenoma of the duodenum: cellular composition and histochemical findings. Mingazzini PL, et al. **Histopathology** 1982 Mar;6(2):235–44

Report of a case of precancerous primary duodenal polyp and a review of the related literature. Nakano K, et al. **Jpn J Surg** 1981 Jan;11(1):43–9

Primary adenocarcinoma of the duodenum associated with cutaneous neurofibromatosis (von Recklinghausen's disease). McGlinchey JJ, et al. **Postgrad Med J** 1982 Feb; 58(676):115–6

[Villous adenoma of the duodenum] Wied U, et al. **Ugeskr Laeger** 1981 Jun 8;143(24):1537–8 (Eng. Abstr.) **(Dan)**

[Does the polyps cancer sequence apply to the duodenum? (author's transl)] Widgren S. **Praxis** 1982 May 25; 71(21):907–10 (Eng. Abstr.) **(Fre)**

[Megaduodenum in stenosing duodenal cancer] Hölscher AH. **Chirurg** 1981 Dec;52(12):786–8 **(Ger)**

[Primary carcinoma of the duodenum (author's transl)] Fehr HF, et al. **Praxis** 1982 May 25;71(21):911–9 (Eng. Abstr.) **(Ger)**

[Multiple adenomas of Brunner's glands (author's transl)] Meister H, et al. **Zentralbl Allg Pathol** 1982;126(1–2):170–3 **(Ger)**

[Villous polyp of the duodenum] Bruno P, et al. **Ann Ital Chir** 1981;53(5):551–9 **(Ita)**

[Duodenal leiomyoma] Dasaev AN, et al. **Khirurgiia (Mosk)** 1981 Nov;(11):92–3 **(Rus)**

[Case of a giant polyp of the duodenum] Saenko VF, et al. **Klin Khir** 1982 May;(5):51 **(Rus)**

[Malignant glomic tumor of the duodenum] Pomelov VS, et al. **Sov Med** 1981;(10):120–3 **(Rus)**

[Carcinoid of the stomach and duodenum] Pomomarev AA. **Vopr Onkol** 1981;27(12):74–80 **(Rus)**

[Gastroduodenal tumors of the smooth muscle: clinico-pathological study of 12 cases] Arnal Monreal FM, et al. **Rev Esp Enferm Apar Dig** 1981 Aug;60(2):107–16 (Eng. Abstr.) **(Spa)**

PREVENTION & CONTROL

[Ascorbic acid and cancer of the duodenum. An experimental study (author's transl)] Werner B, et al. **Langenbecks Arch Chir** 1981;354(2):101–9 (Eng. Abstr.) **(Ger)**

RADIOGRAPHY

Carcinoid tumors of the duodenal cap presenting as multiple polypoid defects. Seymour EQ, et al. **Gastrointest Radiol** 1982;7(1):19–21

[Radiographic appearance of gastro-duodenal lymphomas] Matelart AL, et al. **J Belge Radiol** 1981;64(5):385–93 (Eng. Abstr.) **(Fre)**

SECONDARY

Involvement of the duodenum by gastric carcinoma [letter] Cronstedt JL, et al. **Gastrointest Endosc** 1982 Feb; 28(1):44–5

Direct metastatic spread of right colonic adenocarcinoma to duodenum—barium and computed tomographic findings. Diamond RT, et al. **Gastrointest Radiol** 1981; 6(4):339–41

Local duodenal metastasis from colonic carcinoma. Alfonso A, et al. **J Clin Gastroenterol** 1979 Jun;1(2):149–52

Carcinoma of the cervix involving the duodenum: case report and review of the literature. Gurian L, et al. **J Clin Gastroenterol** 1981 Sep;3(3):291–4

[Metastasis of a cervical cancer to the gastrointestinal tract (1 case)] Ivan'ko AI, et al. **Vopr Onkol** 1982;28(3):99–100 **(Rus)**

SURGERY

Brunner's gland adenoma of the duodenal bulb. Peison B, et al. **Am J Gastroenterol** 1982 Apr;77(4):276–8

Pancreatic and periampullary carcinoma. Experience with 200 patients over a 12 year period. Piorkowski RJ, et al. **Am J Surg** 1982 Feb;143(2):189–93

Obstructing hamartoma of Brunner's glands of the duodenum. Strutynsky N, et al. **Dig Dis Sci** 1982 Mar; 27(3):279–82

Endoscopic removal of the duodenal polyp in a patient with Gardner's syndrome. Sweeney BF, et al. **Dig Dis Sci** 1982 Jun;27(6):557–60

Management of the pancreatic remnant in pancreatoduodenectomy. Papachristou DN, et al. **J Surg Oncol** 1981;18(1):1–7

[Polypectomy during gastric endoscopy] Popov P. **Vutr Boles** 1982;21(2):51–5 (Eng. Abstr.) **(Bul)**

[Duodenal leiomyosarcoma with left hepatic metastasis treated by total exeresis (author's transl)] Cagetti M, et al. **Ann Chir** 1981 Dec;35(10):854–6 (Eng. Abstr.) **(Fre)**

[Endoscopic removal of a duodenal villous tumor. Review of the literature (author's transl)] Slama JL, et al. **Sem Hop Paris** 1982 Jun 17;58(24):1513–8 (Eng. Abstr.) **(Fre)**

[Pancreas heterotopy of Winslow's lesser pancreas] Mättig H, et al. **Zentralbl Chir**. 1982;107(4):240–3 **(Ger)**

ULTRASTRUCTURE

A comparative electron microscopic study of leiomyosarcoma and leiomyoma of the duodenum. Murao T. **Acta Pathol Jpn** 1982 Jul;32(4):621–32

DUODENAL OBSTRUCTION

COMPLICATIONS

Umbilical hernia with duodenal obstruction. Bjørgsvik D, et al. **Acta Chir Scand** 1981;147(4):295

[Evaluation of the pathogenesis of the shock produced by experimental hypoperfusion of the superior mesenteric artery] Zucchetti F, et al. **Chir Patol Sper** 1979 Dec; 27(6):543–57 **(Ita)**

[Congenital duodenal obstruction, Malrotation of the intestine associated with annular pancreas (author's transl)] Della Giustina E, et al. **Pediatr Med Chir** 1981 Sep–Oct; 3(5):431–6 (Eng. Abstr.) **(Ita)**

[Biliary dyskinesias] Vitebskiĭ IaD. **Ter Arkh** 1981;53(10):86–8 (Eng. Abstr.) **(Rus)**

CONGENITAL

Congenital duodenal obstruction: a survey of mortality. Pintér A, et al. **Acta Paediatr Acad Sci Hung** 1980; 21(4):187–93

Vertebral anomalies and duodenal atresia. Atwell JD, et al. **J Pediatr Surg** 1982 Jun;17(3):237–40

Outlook after surgery for congenital intrinsic duodenal obstruction in Down syndrome [letter] Puri P. **Lancet** 1981 Oct 10;2(8250):802

[Ultrasound prenatal diagnosis of congenital duodenal atresia (author's transl)] Moggian G, et al. **J Gynecol Obstet Biol Reprod (Paris)** 1981;10(6):587–9 (Eng. Abstr.) **(Fre)**

[Shaping duodenoplasty as treatment of congenital stenoses in adults (author's transl)] Barbier J, et al. **Nouv Presse Med** 1981 Oct 31;10(39):3241–2 (Eng. Abstr.) **(Fre)**

[The problem of congenital duodenal obstruction – A report of 123 cases (author's transl)] Daum R, et al. **Z Kinderchir** 1982 Apr;35(4):125–9 (Eng. Abstr.) **(Ger)**

[Intraduodenal diverticulum as a result of a congenital membrane] Bischof B, et al. **Zentralbl Chir** 1981; 106(19):1309–12 **(Ger)**

DIAGNOSIS

Antenatal diagnosis of congenital gastro-intestinal obstruction by ultrasonography. A case report. Opaneye AA. **Int J Gynaecol Obstet** 1981 Apr;19(2):141–3

Duodenal and common bile duct obstruction in pancreatitis simulating carcinoma. Kozarek RA, et al. **J Clin Gastroenterol** 1981 Mar;3(1):53–9

Value of serial sonography in the in utero detection of duodenal atresia. Nelson LH, et al. **Obstet Gynecol** 1982 May;59(5):657–60

Antenatal diagnosis of duodenal atresia by ultrasound: a case report. Collier D. **Radiography** 1982 May;48(569):102–3

Ultrasonic demonstration in utero of surgically correctable fetal small-bowel obstruction. Osler GE, et al. **S Afr Med J** 1982 Jul 17;62(3):83–6

The superior mesenteric artery syndrome. Wang YH, et al. **Taiwan I Hsueh Hui Tsa Chih** 1982 Jan;81(1):9–17

[Chronic intermittent arterio-mesenteric duodenal compression syndrome] Adolph W. **Z Gesamte Inn Med** 1981 Aug 1;36(15):533–6 **(Ger)**

[Malrotation—neglected diagnosis acute abdominal symptoms in older children] Olsen L. **Lakartidningen** 1981 Sep 16;78(38):3283–4 (Eng. Abstr.) **(Swe)**

ETIOLOGY

Abdominal aortic aneurysm with initial symptom of duodenal obstruction. Hough DR, et al. **Am J Gastroenterol** 1981 Dec;76(6):538–41

Acute vascular compression of the duodenum in anorexia nervosa. Pentlow BD, et al. **Br J Surg** 1981 Sep;68(9):665–6

Duodenal stenosis in chronic pancreatitis: clinicopathological correlations. Makrauer FL, et al. **Dig Dis Sci** 1982 Jun; 27(6):525–32

Annular pancreas: a case report and review of the literature. Andrews EC. **Tex Med** 1981 Oct;77(10):60–1

Obstruction of duodenum secondary to giant hydronephrosis. Crooks KK, et al. **Urology** 1982 Feb;19(2):190–2

[A case of multifocal adenocarcinoma of the small intestine (author's transl)] Lamote J, et al. **Acta Chir Belg** 1982 Mar–Apr;(2):97–102 (Eng. Abstr.) **(Dut)**

[An usual observation of Bouveret syndrome (author's transl)] Pissas A, et al. **Sem Hop Paris** 1981 Nov 8–25; 57(41–42):1740–2 (Eng. Abstr.) **(Fre)**

[Tricho-phytobezoar as a rare cause of ileus in childhood (author's transl)] Oberhammer E, et al. **Z Kinderchir** 1981 Feb;32(2):179–81 **(Ger)**

[Duodenal stenosis due to acute pancreatitis. Presentation of 2 cases and review of literature] Grassano G, et al. **Minerva Chir** 1981 Sep 30;36(18):1199–202 (8 ref.) **(Ita)**

[Extrapancreatic abdominal complications of chronic pancreatitis and pancreatic carcinoma] Naccarato R, et al. **Recenti Prog Med** 1981 Jul;71(1):22–9 (Eng. Abstr.) **(Ita)**

[Duodenal obstruction due to gallbladder lithiasis] Săvulescu V, et al. **Rev Chir [Chir]** 1981 Jul–Aug;30(4):313–5 **(Rum)**

[Rare case of duodenal obstruction] Nifant'ev OE. **Khirurgiia (Mosk)** 1981 Aug;(8):110–1 **(Rus)**

[Gallstone-induced intestinal obstruction as a complication of internal biliary fistulas] Sakhautdinov VG, et al. **Vestn Khir** 1981 Sep;127(9):55–8 **(Rus)**

[Intramural duodenal hematoma of traumatic origin: diagnosis and therapeutic options] Artigas Raventos V, et al. **Rev Esp Enferm Apar Dig** 1981 Sep;60(3):293–8 (Eng. Abstr.) **(Spa)**

PATHOLOGY

[Megaduodenum in stenosing duodenal cancer] Hölscher AH. **Chirurg** 1981 Dec;52(12):786–8 **(Ger)**

RADIOGRAPHY

Extrinsic compression of the third part of the duodenum. Anderson JR, et al. **Clin Radiol** 1982 Jan;33(1):75–81

X-ray casebook: The case of the Bouveret's syndrome. Seaman WB. **Hosp Pract** 1982 Jul;17(7):143–4

Intestinal malrotation demonstrated by small-bowel tube. Gage TP, et al. **J Clin Gastroenterol** 1982 Apr;4(2):177–9

Duodenal hematoma: case report. Kelley JE. **Milit Med** 1982 Feb;147(2):106–8

[Diagnosis of mesenteric artery compression of the duodenum] Nesterenko IuA, et al. **Vestn Rentgenol Radiol** 1981 Jul–Aug;(4):40–5 (Eng. Abstr.) **(Rus)**

SURGERY

A rapid technique for biliary and duodenal bypass in nonresectable pancreatic carcinoma. Levi JU, et al. **Arch Surg** 1982 Mar;117(3):375–6

Obstructing hamartoma of Brunner's glands of the duodenum. Strutynsky N, et al. **Dig Dis Sci** 1982 Mar; 27(3):279–82

[Impaired passage through the duodenum] Ludvíkovský J, et al. **Rozhl Chir** 1980 Jul;59(7):443–7 (Eng. Abstr.) **(Cze)**

[Enlargement surgery of duodenal stenosis caused by chronic pancreatitis with a pedicled open jejunal graft] Littmann

K, et al. **Chirurg** 1982 Feb;53(2):109–11 (Eng. Abstr.) **(Ger)**

[Importance of safety drainage in duodenal stump insufficiency] Schiebold KD, et al. **Zentralbl Chir** 1982; 107(7):409–12 **(Ger)**

[Duodenal biliary ileus] Simici P, et al. **Rev Chir [Chir]** 1981 Jul–Aug;30(4):307–11 (Eng. Abstr.) **(Rum)**

VETERINARY

Partial duodenal obstruction in a dog. McGowan D. **Mod Vet Pract** 1981 Dec;62(12):939–41

DUODENAL PAPILLA, MAJOR see **VATER'S AMPULLA**

DUODENAL PAPILLA, MINOR see **PANCREATIC DUCTS**

DUODENAL ULCER

Gastric acid secretion, smoke and duodenal ulcer healing [letter] Bianchi Porro G, et al. **Gastroenterology** 1982 Feb; 82(2):394–5

Duodenal ulcer [editorial] Spiro HM. **J Clin Gastroenterol** 1982 Feb;4(1):9–10

Peptic ulcer: the changing scene. Bouchier IA. **Scott Med J** 1981 Oct;26(4):297–302

BLOOD

The effect of long-term cimetidine treatment on PRL and TSH response capacity to TRH in male patients with duodenal ulcer. Knigge U, et al. **Acta Med Scand** 1982; 211(5):331–4

Effect of prolonged administration of ranitidine on pituitary and thyroid hormones, and their response to specific hypothalamic-releasing factors. Pasquali R, et al. **Clin Endocrinol (Oxf)** 1981 Nov;15(5):457–62

Serum gastrin levels in response to exogenous secretin in patients with duodenal ulcer—false positive response occurring in case of endoscopically active ulcer. Shiratori K, et al. **Gastroenterol Jpn** 1982 Apr;17(2):80–6

Effect of the new H2-receptor antagonist ranitidine on plasma prolactin levels in duodenal ulcer patients. Robins AH, et al. **J Pharm Pharmacol** 1981 Sep;33(9):615–6

The effect of 15(R)-15-methyl prostaglandin E2 on basal and meal stimulated serum gastrin in duodenal ulcer patients. Tytgat GN, et al. **Prostaglandins** 1981;21 Suppl:53–6

Plasma Aluminum levels of patients on long term sucralfate therapy. Kinoshita H, et al. **Res Commun Chem Pathol Pharmacol** 1982 Mar;35(3):515–8

[Changes in total protein, protein fractions, urea and creatine in duodenal ulcer and cholelithiasis before and after surgery] Dimitrov D, et al. **Khirurgiia (Sofiia)** 1981; 34(6):522–6 (Eng. Abstr.) **(Bul)**

[Comparative study of cimetidine plasma kinetics and gastric acid output in patients with healed and unhealed duodenal ulcer (author's transl)] Labayle D, et al. **Gastroenterol Clin Biol** 1982 May;6(5):430–4 (Eng. Abstr.) **(Fre)**

[Tissue fibrinolysis in the mechanism of gastroduodenal hemorrhage in patients with peptic ulcer] Belousov AS, et al. **Klin Med (Mosk)** 1981 Feb;59(2):23–8 **(Rus)**

[Blood sugar and blood insulin levels in duodenal peptic ulcer] Shvarts VIa, et al. **Klin Med (Mosk)** 1982 Feb; 60(2):40–4 (Eng. Abstr.) **(Rus)**

[Hormone level in the blood during food loading in peptic ulcer and chronic gastritis] Vakhrushev IaM. **Klin Med (Mosk)** 1982 Feb;60(2):37–40 (Eng. Abstr.) **(Rus)**

[Clinical role of the lipid spectrum of the blood in children with duodenal ulcer] Gudzenko PN, et al. **Pediatriia** 1982 May;(5):16–9 **(Rus)**

[Content of blood proteins participating in iron metabolism in children with ulcer disease and gastroduodenitis] Mazurin AV, et al. **Sov Med** 1982;(3):18–22 **(Rus)**

[Fibrinolytic system of the blood in peptic ulcer complicated by hemorrhage (retrospective data)] Fisher AA, et al. **Ter Arkh** 1982;54(2):28–32 (Eng. Abstr.) **(Rus)**

[Disorders of the hemostatic function of blood platelets in peptic ulcer complicated by hemorrhage] Iumashkina AG, et al. **Ter Arkh** 1982;54(2):32–5 (Eng. Abstr.) **(Rus)**

[Effect of histamine on blood coagulation and fibrinolysis in duodenal ulcer] Kuznik BI, et al. **Ter Arkh** 1982; 54(2):35–8 (Eng. Abstr.) **(Rus)**

[Somatostatin and neurotensin in duodenal ulcer] Smagin VG, et al. **Ter Arkh** 1982;54(4):108–10 (Eng. Abstr.) **(Rus)**

[Lipid peroxidation reactions in circulating erythrocytes and certain systems regulating them in ulcer patients] Kulikov VIu, et al. **Vopr Med Khim** 1981;27(4):463–5 (Eng. Abstr.) **(Rus)**

[Bile acid content of the blood in peptic ulcer] Biazrova VV. **Vrach Delo** 1982 Jun;(6):34–7 (Eng. Abstr.) **(Rus)**

CHEMICALLY INDUCED

Perforated duodenal ulcer after perioperative steroid treatment. Beynon JL, et al. **Br Med J [Clin Res]** 1981 Dec 12;283(6306):1591–2

Mepirizole-induced duodenal ulcers in rats and their pathogenesis. Okabe S, et al. **Dig Dis Sci** 1982 Mar; 27(3):242–9

Production of gastric and duodenal ulceration in the guinea pig using a long-acting form of histamine. Szelenyi I, et al. **J Pharmacol Methods** 1982 Jan;7(1):75–82

[Studies on pathogenesis of cysteamine-induced duodenal ulcer in rats (1st report) (author's transl)] Ikeda Y, et al. **Nippon Shokakibyo Gakkai Zasshi** 1981 Dec 1; 78(12):2308–15 (Eng. Abstr.) **(Jpn)**

CLASSIFICATION

An endoscopic study on the duodenal ulcer. An endoscopic classification of the duodenal ulcer and its clinical implications. Pan S, et al. **Taiwan I Hsueh Hui Tsa Chih** 1981 Aug;80(8):815–29

COMPLICATIONS

Acute, severe afferent loop syndrome with duodenal ulcer rebleeding. Edna TH, et al. **Acta Chir Scand** 1981; 147(3):223–4

Duodenal ulcer, suicide, psychopathology and alcoholism. Knop J, et al. **Acta Psychiatr Scand** 1981 Apr;63(4):346–55

Gastric carcinoma in patients with unoperated duodenal ulcer disease. Lewis JH, et al. **Am J Gastroenterol** 1982 Jun; 77(6):368–73

Bacteria and septic complications in patients with perforated duodenal ulcers. Boey J, et al. **Am J Surg** 1982 May; 143(5):635–9

Operative management of stress ulcers in children. Morden RS, et al. **Ann Surg** 1982 Jul;196(1):18–20

Comparison of surgical and medical management of bleeding peptic ulcers. Vellacott KD, et al. **Br Med J [Clin Res]** 1982 Feb 20;284(6315):548–50

Alpha heavy chain disease lacking secretory alpha chain, with cobblestone appearance of the small intestine and duodenal ulcer demonstrated by endoscopy. Hibi T, et al. **Gut** 1982 May;23(5):422–7

Measurements of intestinal villi non-specific and ulcer-associated duodenitis-correlation between area of microdissected villus and villus epithelial cell count. Hasan M, et al. **J Clin Pathol** 1981 Oct;34(10):1181–6

Life-threatening complications of duodenal ulcer. Glover JL, et al. **J Indiana State Med Assoc** 1982 Jan;75(1):33–6

Perforated stress ulcers in infants. Bell MJ, et al. **J Pediatr Surg** 1981 Dec;16(6):998–1002 (38 ref.)

Upper gastrointestinal haemorrhage. Bown SG, et al. **J R Coll Physicians Lond** 1981 Oct;15(4):265–8

Surgical management of bleeding duodenal ulcer in children. Irving AD, et al. **J R Coll Surg Edinb** 1981 Nov;26(6):360–1

A case report of Henoch-Schoenlein purpura nephritis associated with a postbulbar duodenal ulcer. Miura M, et al. **Tokai J Exp Clin Med** 1982 Mar;7(2):245–50

The coexistence of gastric cancer and duodenal ulcers. Miwa M, et al. **Tokai J Exp Clin Med** 1981 Apr;6(2):203–5

[Criteria for the choice of treatment method in perforated duodenal ulcer] Deredzhian A, et al. **Khirurgiia (Sofiia)** 1982;35(1):37–41 (Eng. Abstr.) **(Bul)**

[Gastroduodenal perforations of ulcerous origin in Senegal. Therapeutic considerations of apropos of 67 cases collected at the Surgical Clinic of the A. Le Dantec Hospital] Sow ML, et al. **Dakar Med** 1981;26(4):397–403 (Eng. Abstr.) **(Fre)**

[Surgical intervention in cases of gastro-duodenal ulcer bleeding (author's transl)] Schramm H, et al. **Dtsch Z Verdau Stoffwechselkr** 1980;40(6):219–24 (Eng. Abstr.) **(Ger)**

[Prognostic criteria for ulcer closure (author's transl)] Schumpelick V, et al. **Langenbecks Arch Chir** 1982; 357(2):93–103 (Eng. Abstr.) **(Ger)**

[Perforated gastroduodenal ulcer. Plication or primary definitive treatment?] Otten G, et al. **Med Welt** 1982 Jan 29;33(4):130–4 **(Ger)**

[On some peculiarities of antrum accompanying gastritis in duodenal ulcers (author's transl)] Sokolov JuN, et al. **Radiol Diagn (Berl)** 1981;22(5):615–24 (Eng. Abstr.) **(Ger)**

[The classic resection in perforated duodenal ulcer (author's transl)] Köle W, et al. **Wien Med Wochenschr** 1981 Sep 30;131(18):453–6 (Eng. Abstr.) **(Ger)**

[Spontaneous duodeno-choledochal fistula] Taubert G. **Z Arztl Fortbild (Jena)** 1981 Aug 1;75(15):715–7 **(Ger)**

[Acquired double pylorus disappearing by recurrent ulcer (author's transl)] Blaich E, et al. **Z Gastroenterol** 1981 Dec; 19(12):782–4 **(Ger)**

[Relations between myocardial infarct, gastroduodenal ulcer and endarteritis obliterans] Simone S, et al. **Boll Soc Ital Cardiol** 1980;25(6):677–82 (Eng. Abstr.) **(Ita)**

[A case of duodenocolic fistula caused by duodenal ulcer] Guzzetti A. **Chir Ital** 1981 Aug;33(4):934–7 **(Ita)**

[A case of perforated duodenal ulcer in echinococcal cyst of the liver] Cianci F, et al. **Minerva Chir** 1982 Mar 15; 37(5):359–62 **(Ita)**

[Acute ulcers of the digestive tract as a complication of orthopedic surgery] Faczyński A, et al. **Chir Narzadow Ruchu Ortop Pol** 1981;46(5):487–9 (Eng. Abstr.) **(Pol)**

[Perforated post-bulbar ulcer. Anatomoclinical characteristics and surgical treatment] Suteu I, et al. **Rev Chir [Chir]** 1981 Jul-Aug;30(4):273–7 (Eng. Abstr.) **(Rum)**

[Annular pancreas associated with ulcerated duodenal diverticulum] Filippov AA. **Khirurgiia (Mosk)** 1982 Jan; (1):103 **(Rus)**

[Surgical treatment of pyloroduodenal stenosis of ulcerative etiology (a review of the literature)] Postolov PM, et al. **Khirurgiia (Mosk)** 1981 Dec;(12):74–81 (176 ref.) **(Rus)**

[Duodenocolic fistula as a complication of chronic duodenal ulcer] Tuguzbaev GIa, et al. **Khirurgiia (Mosk)** 1982 Mar; (3):68 **(Rus)**

[Cirrhosis of the liver associated with duodenal ulcer and uterine fibroma with fetal death] Zemskov VS, et al. **Khirurgiia (Mosk)** 1982 Jan;(1):103–4 **(Rus)**

[Vagotomy in surgical treatment of peptic ulcer hemorrhage] Abakimian VA. **Klin Khir** 1981 Aug;(8):36–8 (Eng. Abstr.) **(Rus)**

[Atypical gastroduodenal ulcer perforations] Podonenko-Bogdanova AP, et al. **Klin Khir** 1981 Aug; (8):64–6 **(Rus)**

[Conservative surgery in hemorrhagic duodenal ulcer] Zaitsev VT, et al. **Klin Khir** 1982 Apr;(4):9–13 **(Rus)**

[Blood kallikrein-kinin system in peptic ulcer complicated by gastroduodenal hemorrhage] Belousov AS, et al. **Klin Med (Mosk)** 1982 Feb;60(2):34–7 (Eng. Abstr.) **(Rus)**

[Characteristics of stenosing and perforating duodenal ulcers] Khachiev LG, et al. **Sov Med** 1981;(7):101–4 **(Rus)**

[Selective proximal vagotomy in the treatment of complicated pyloroduodenal ulcers] Onopriev VI, et al. **Sov Med** 1982;(3):68–71 (58 ref.) **(Rus)**

[Modern surgical treatment methods in perforating ulcers located in the pyloroduodenum] Pomelov VS, et al. **Sov Med** 1981;(7):57–62 (75 ref.) **(Rus)**

[Parathyroid adenoma in a patient with duodenal ulcer] Pomelov VS, et al. **Sov Med** 1981;(11):111–2 **(Rus)**

[Reflux esophagitis in duodenal ulcer and therapeutic problems] Grigor'ev PIa, et al. **Ter Arkh** 1982;54(2):38–41 (Eng. Abstr.) **(Rus)**

[Hemodynamics in patients operated on for peptic ulcer hemorrhage] Aniskevich VS. **Vestn Khir** 1981 Sep; 127(9):39–43 (Eng. Abstr.) **(Rus)**

[Choice of the emergency surgical method in gastric and duodenal peptic ulcer complications] Bachev II. **Vestn Khir** 1982 Jan;128(1):57–9 (Eng. Abstr.) **(Rus)**

[Vagotomy in the treatment of complicated stomach and duodenal ulcer] Khokholia VP. **Vestn Khir** 1981 Sep; 127(9):143–6 (46 ref.) **(Rus)**

[Acute gastroduodenal hemorrhage in young persons suffering from peptic ulcer] Dorofeev GI, et al. **Voen Med Zh** 1982 Jun;(6):52–3 **(Rus)**

[Perforated stomach and duodenal ulcers in military personnel] Tsybuliak GN, et al. **Voen Med Zh** 1982 Feb; (2):62–4 **(Rus)**

DIAGNOSIS

Occult duodenal perforation complicating cerebral infarction: new problems in diagnosis of Cushing's ulcer. Walsh TJ, et al. **Am J Gastroenterol** 1982 Sep;77(9):608–10

Localized duodenal lymphoma masquerading as a duodenal ulcer. Grischkan D, et al. **Can J Surg** 1982 Mar;25(2):213–5

Diffuse multifocal lymphoma of the small intestine presenting as a duodenal ulcer. Freeman HJ, et al. **Can Med Assoc J** 1981 Sep 15;125(6):599–602

Ulcer and epigastric tenderness [letter] Kern F Jr. **Gastroenterology** 1982 Jun;82(6):1481–4

Most patients with active symptomatic duodenal ulcers fail to develop ulcer-type pain in response to gastroduodenal acidification. Harrison A, et al. **J Clin Gastroenterol** 1982 Apr;4(2):105–8

[Gastric acidity in a double ulcer (of the stomach and duodenum)] Ivanov S, et al. **Vutr Boles** 1981;20(5):49–54 (Eng. Abstr.) **(Bul)**

[Role of stomach fibroscopy in indications for surgery] Kodlová E, et al. **Rozhl Chir** 1981 Feb;60(2):97–100 (Eng. Abstr.) **(Cze)**

[Gastric and duodenal ulcers in the child: diagnostic problems. Apropos of 53 cases] Chapoy P, et al. **Pediatrie** 1981 Sep;36(6):425–36 (Eng. Abstr.) **(Fre)**

[The intravenous pentagastrin test in gastroduodenal pathology (author's transl)] Ligny G, et al. **Rev Med Brux** 1981 Oct;2(8):737–45 (Eng. Abstr.) **(Fre)**

[Radioimmunoassay in determination of pepsinogen I in the blood: new diagnostic test of gastric fuaction. Personal results and review of literature] Sategna-Guidetti C, et al. **Recenti Prog Med** 1981 Sep;71(3):306–15 (38 ref.) (Eng. Abstr.) **(Ita)**

[Roentgeno-functional diagnosis of peptic ulcer formed after inadequate vagotomy] Gravirovskaia NG, et al. **Klin Khir** 1981 Aug;(8):11–3 (Eng. Abstr.) **(Rus)**

[Difficulties in the detection of gastric and duodenal ulcers during laparotomy] Spivak VP, et al. **Klin Khir** 1981 Aug; (8):66–7 **(Rus)**

[Symptomatic characteristics of ulcerative lesions of the stomach and duodenum] Potashov LV, et al. **Klin Med (Mosk)** 1981 Oct;59(10):57–60 **(Rus)**

[Clinico-endoscopic characteristics of gastroduodenal pathology in children] Kozhonazarov KK, et al. **Pediatriia** 1982 May;(5):9–11 **(Rus)**

[Evaluation of proteolytic activity in the stomach and duodenum in gastroduodenal pathology in children] Novik AV, et al. **Pediatriia** 1981 Dec;(12):15–8 (Eng. Abstr.) **(Rus)**

[Possibilities of prognosis of the recurrence of primary duodenal ulcer in young patients] Kruchinin EZ, et al. **Ter Arkh** 1981;53(12):90–3 (Eng. Abstr.) **(Rus)**

[Combination of duodenal peptic ulcer and cholelithiasis] Kushnir VE, et al. **Vrach Delo** 1982 May;(5):81–2 **(Rus)**

[Course of gastric and duodenal peptic ulcer in young persons] Malov IuS. **Vrach Delo** 1982 Feb;(2):18–22 (Eng. Abstr.) **(Rus)**

[Clinico–endoscopic data on multiple gastric and duodenal ulcers] Nikol'skaia OM, et al. **Vrach Delo** 1982 May;(5):86–8 **(Rus)**

[Value of endoscopic examination of patients with peptic ulcer in polyclinics] Tolmach DV, et al. **Vrach Delo** 1981 Mar;(3):36–8 **(Rus)**

[Thermographic control of the conservative treatment of peptic ulcer] Zaĭtseva RI. **Vrach Delo** 1982 Jun;(6):28–32 (Eng. Abstr.) **(Rus)**

DIET THERAPY

Is milk all that bad for the ulcer patient? [editorial] Spiro HM. **J Clin Gastroenterol** 1981 Sep;3(3):219–20

[Treatment of gastric and duodenal peptic ulcer by a diet containing large amounts of protein] Shchedrunov VV, et al. **Vopr Pitan** 1981 Jul–Aug;(4):67–8 **(Rus)**

DRUG THERAPY

Cimetidine treatment of patients with duodenal ulcer referred to a surgical clinic. Kjaergaard J, et al. **Acta Chir Scand** 1981;147(2):151–4

A double–blind comparative study of cimetidine and placebo in adult Nigerian duodenal ulcer patients with special reference to gastroduodenal mucosal morphology and intestinal bacterial activity. Falaiye JM, et al. **Afr J Med Med Sci** 1979 Mar–Jun;8(1–2):61–70

Double–blind multicenter comparison of 1,200 mg. and 1,000 mg. cimetidine in hospitalized and ambulatory duodenal ulcer patients. Graham DY, et al. **Am J Gastroenterol** 1981 Dec;76(6):500–5

Ulcers and anti–inflammatory agents. Mitchell WS, et al. **Br Med J [Clin Res]** 1982 Mar 6;284(6317):731

Effect of transdermally administered hyoscine methobromide on nocturnal acid secretion in patients with duodenal ulcer. Walt RP, et al. **Br Med J [Clin Res]** 1982 Jun 12; 284(6331):1736–8

Gastric acid inhibition and oxmetidine kinetics in duodenal ulcer. Gugler R, et al. **Clin Pharmacol Ther** 1982 Apr; 31(4):501–8

Cimetidine or propantheline combined with antacid therapy for short–term treatment of duodenal ulcer. Adami HO, et al. **Dig Dis Sci** 1982 May;27(5):388–93

Are anticholinergics plus antacids truly as effective as cimetidine plus antacids in the treatment of duodenal ulcer? Comments on a clinical trial. Isenberg JI. **Dig Dis Sci** 1982 May;27(5):385–7

Ranitidine in duodenal ulcer: incidence of healing and effect of smoking. Korman MG, et al. **Dig Dis Sci** 1982 Aug; 27(8):712–5

Cimetidine and colloidal bismuth in treatment of chronic duodenal ulcer. Comparison of initial healing and recurrence after healing. Kang JY, et al. **Digestion** 1982; 23(2):73–9

Pirenzepine versus cimetidine in duodenal ulcer. A double–blind, placebo–controlled, short–term clinical trial. Porro GB, et al. **Digestion** 1982;23(2):110–5

Long–term cimetidine for duodenal ulceration? **Drug Ther Bull** 1982 Apr 16;20(8):31–2

The treatment of duodenal and gastric ulcer with ranitidine—a controlled, multicentre clinical trial. Gibinski K, et al. **Dtsch Z Verdau Stoffwechselkr** 1982;42(2–3):64–9

Sucralfate approved for duodenal ulcer. **FDA Drug Bull** 1982 Apr;12(1):3–4

Comparison of the healing capacities of sucralfate and cimetidine in the short–term treatment of duodenal ulcer: a double–blind randomized trial. Martin F, et al. **Gastroenterology** 1982 Mar;82(3):401–5

Effect of 15(R)–15–methyl prostaglandin E2 (arbaprostil) on the healing of duodenal ulcer: a double–blind multicenter study. Vantrappen G, et al. **Gastroenterology** 1982 Aug; 83(2):357–63

Smoking and ulcer healing [letter] Young GP, et al. **Gastroenterology** 1982 Jan;82(1):163

Clinical trial value of trimipramine versus placebo in duodenal ulcer healing. Daneshmend TK, et al. **Gut** 1981 Dec;22(12):1045–7

Bedtime cimetidine maintenance treatment: optimum dose and effect on subsequent natural history of duodenal ulcer. Fitzpatrick WJ, et al. **Gut** 1982 Mar;23(3):239–42

Mitogen stimulation of peripheral blood lymphocytes of duodenal ulcer patients during treatment with cimetidine or ranitidine. Peden NR, et al. **Gut** 1982 May;23(5):398–403

Double blind controlled trial with oxmetidine and cimetidine in the short–term treatment of duodenal ulcer. Corinaldesi R, et al. **Hepatogastroenterology** 1981 Dec;28(6):319–21

Multicentre double blind clinical trial on ranitidine for gastroduodenal ulcer. Gibinski K, et al. **Hepatogastroenterology** 1981 Aug;28(4):216–7

Comparison of twice–daily ranitidine and placebo in the treatment of duodenal ulcer—a multicentre study in the United Kingdom. Lee FI, et al. **Hepatogastroenterology** 1982 Jun;29(3):127–9

Cimetidine in the treatment of duodenal ulcer. Misra RC, et al. **J Assoc Physicians India** 1981 Sep;29(9):705–9

Effect of food and antacid on binding of sucralfate to normal and ulcerated gastric and duodenal mucosa in rats. Giesing DH, et al. **J Clin Gastroenterol** 1981;3(Suppl 2):111–6

Efficacy of sucralfate for duodenal ulcers: a multicenter, double–blind trial. Hollander D. **J Clin Gastroenterol** 1981; 3(Suppl 2):153–7

A multicenter, double–blind trial of sucralfate and placebo in duodenal ulcer. McHardy GG. **J Clin Gastroenterol** 1981;3(Suppl 2):147–52

A second look at cimetidine. Mangla JC. **J Clin Gastroenterol** 1981 Dec;3(4):341–5

Ulcer healing and relapse rates after initial treatment with cimetidine or sucralfate. Marks IN, et al. **J Clin Gastroenterol** 1981;3(Suppl 2):163–5

Short– and long–term studies of duodenal ulcer with sucralfate. Moshal MG, et al. **J Clin Gastroenterol** 1981; 3(Suppl 2):159–61

Doxepin and cimetidine in the treatment of duodenal ulcer: an open clinical and endoscopic study. Ruud TE, et al. **J Clin Psychiatry** 1982 Aug;43(8 Pt 2):56–60

Effects of therapeutic doses of cimetidine and oxmetidine on the parietal cell population, gastric mucosal glycoproteins and surface gastric epithelium, in duodenal ulcer patients. Emmanouilidis A, et al. **J Int Med Res** 1982; 10(2):113–7

Uses and abuses of cimetidine. Phillips TE, et al. **J Iowa Med Soc** 1982 Apr;72(4):157–62

Ranitidine and duodenal ulceration: a short–term and maintenance study. Sheers R, et al. **J R Soc Med** 1982 May;75(5):323–6

Five–year study of cimetidine or surgery for severe duodenal ulcer dyspepsia. Gray GR, et al. **Lancet** 1982 Apr 3; 1(8275):787–8

New drug evaluation: cimetidine. Neuhauser D. **Med Care** 1982 Aug;20(8):755–7

Colloidal bismuth subcitrate tablets and placebo in chronic duodenal ulceration: a double–blind, randomised trial. Wilson P, et al. **Med J Aust** 1982 Mar 6;1(5):222–3

Sucralfate—a new drug for duodenal ulcer. **Med Lett Drugs Ther** 1982 Jan 8;24(600):2–3

Duodenal ulcer: an update. Wormsley KG. **Mt Sinai J Med (NY)** 1981 Sep–Oct;48(5):391–6 (53 ref.)

Controlled trial with ranitidine in the treatment of peptic ulcer. Nelis GF. **Neth J Med** 1981;24(6):224–8

Cimetidine: twice daily administration in duodenal ulcer. A multicentre group study. **Practitioner** 1982 May; 226(1367):978–80

The effect of tri–potassium di–citrato bismuthate on the duodenal mucosa during ulceration. An ultrastructural study. Gregory MA, et al. **S Afr Med J** 1982 Jul 10; 62(2):52–5

Ranitidine heals duodenal ulcers. Marks IN, et al. **S Afr Med J** 1982 Jan 30;61(5):152–4

Tri–potassium di citrato bismuthate chewing tablets and cimetidine tablets in the treatment of duodenal ulcers. A double–blind double–dummy comparative study. Moshal MG, et al. **S Afr Med J** 1981 Sep 12;60(11):420–3

Ranitidine in uncomplicated duodenal ulceration. A double–blind endoscopically controlled trial. Moshal MG, et al. **S Afr Med J** 1981 Sep 5;60(10):393–4

Bicitropeptide powder and placebo in the treatment of duodenal ulcers. A double–blind endoscopically controlled clinical trial. Moshal MG, et al. **S Afr Med J** 1982 Feb 13;61(7):234–5

Pirenzepine, cimetidine and placebo in the long–term treatment of duodenal ulceration. A comparative study. Moshal MG, et al. **S Afr Med J** 1982 Jul 3;62(1):12–4

Relapse of duodenal ulcer after treatment with trimipramine/antacids or cimetidine/antacids. Berstad A, et al. **Scand J Gastroenterol** 1981;16(7):933–6

Cimetidine treatment of recurrent ulcer after proximal gastric vagotomy. Berstad A, et al. **Scand J Gastroenterol** 1981; 16(7):891–6

Inhibition by pirenzepine of nocturnal gastric acid secretion in duodenal ulcer patients. Corinaldesi R, et al. **Scand J Gastroenterol** 1981;16(7):929–31

Doxepin in the treatment of duodenal ulcer. An open clinical and endoscopic study comparing doxepin and cimetidine. Hoff GS, et al. **Scand J Gastroenterol** 1981;16(8):1041–2

Trimipramine in the treatment of active duodenal ulceration. Moshal MG, et al. **Scand J Gastroenterol** 1981;16(2):295–8

Antacid/anticholinergic, cimetidine, and placebo in treatment of active peptic ulcers. Ström M, et al. **Scand J Gastroenterol** 1981;16(5):593–602

Placebo controlled studies with ranitidine in duodenal ulcer. Dobrilla G, et al. **Scand J Gastroenterol [Suppl]** 1981 Jun; 69:101–7

Ranitidine and cimetidine for duodenal ulcer. Langman MJ, et al. **Scand J Gastroenterol [Suppl]** 1981 Jun;69:115–7

[Treanntment of duodenal ulcers and gastroduodenitis with a herbal combination of Symphitum officinalis and Calendula officinalis with and without antacids] Chakürski I, et al. **Vutr Boles** 1981;20(6):44–7 (Eng. Abstr.) **(Bul)**

[Use of an herbal combination with laxative action on duodenal peptic ulcer and gastroduodenitis patients with a concomitant obstipation syndrome] Matev M, et al. **Vutr Boles** 1981;20(6):48–51 (Eng. Abstr.) **(Bul)**

[Cetraxate in duodenal ulcer, a double–blind clinical study (author's transl)] Yu JY, et al. **Taiwan I Hsueh Hui Tsa Chih** 1981 Apr;80(4):442–8 (Eng. Abstr.) **(Chi)**

[Rational pharmacotherapy in gastric ulcer] Rune SJ. **Nord Med** 1982 Mar;97(3):72–3 (Eng. Abstr.) **(Dan)**

[Medical maintenance treatment in ulcer disease (author's transl)] Mignon M, et al. **Chirurgie** 1981 Jun;107(7):527–32 (Eng. Abstr.) **(Fre)**

[Treatment of duodenal ulcer with cimetidine] Davčev P, et al. **God Zb Med Fak Skopje** 1979 Jan;25:303–6 **(Fre)**

[Duodenal ulcer – conservative treatment, success and limitations] Demling L, et al. **Chirurg** 1982 Jan;53(1):1–8 **(Ger)**

[Treatment of duodenal ulcer with cimetidine: comparison of two dosage regimens (author's transl)] Eckardt VF, et al. **Dtsch Med Wochenschr** 1982 Jan 15;107(2):60–2 (Eng. Abstr.) **(Ger)**

[Treatment failure of cimetidine in duodenal ulcer (author's transl)] Gugler R, et al. **Dtsch Med Wochenschr** 1982 Jul 9;107(27):1054–7 (Eng. Abstr.) **(Ger)**

[Results of a controlled comparative study between cimetidine and pirenzepin in 60 patients with ulcera ventriculi or duodeni] Mittelstaedt A, et al. **Fortschr Med** 1981 Nov 12;99(42):1764–8 **(Ger)**

[Calcium–containing antacids in the therapy of duodenal ulcers] Weingart J, et al. **Fortschr Med** 1981 Feb 26; 99(8):278–82 (Eng. Abstr.) **(Ger)**

[Still first rate in the treatment of duodenal ulcers: antacids] von Bock U, et al. **Med Klin** 1981 Sep 25;76(20):570–3 **(Ger)**

[Efficacy of a new antacid in duodenal ulcer] Panijel M. **Med Welt** 1982 Mar 19;33(11):415–7 **(Ger)**

[Treatment and prevention of recurrence of duodenal ulcer with pirenzepin and cimetidine] Eichenberger PM, et al. **Schweiz Med Wochenschr** 1982 Jan 2;112(1):25–30 (Eng. Abstr.) **(Ger)**

[Acid secretion and serum gastrin during acute and chronic treatment with pirenzepine in duodenal ulcer (author's transl)] Scholten T, et al. **Z Gastroenterol** 1981 Jul; 19(7):323–8 (Eng. Abstr.) **(Ger)**

[Gastritis, stomach ulcer, reflux diseases. Motility effective therapy with Motilium] Heinkelein J. **ZFA (Stuttgart)** 1982 Jun 30;58(18):1028–30 **(Ger)**

[Effect of a histamine H2 receptor antagonist (cimetidine) on gastrin and insulin secretion in peptic ulcer patients] Elicio N, et al. **Arch E Maragliano Patol Clin** 1978; 34(2):121–8 **(Ita)**

[Multicentric study of the effectiveness of bromopride in the treatment of duodenal ulcer: comparison with metoclopramide and placebo] Blasi A. **Clin Ter** 1982 Apr 30;101(2):167–77 (Eng. Abstr.) **(Ita)**

[Prolonged cimetidine treatment in duodenal and gastric ulcer. Clinical experience] Cagianelli MA, et al. **Clin Ter** 1981 Sep 15;98(5):511–5 (Eng. Abstr.) **(Ita)**

[Acid anti–secretion therapy in gastric and duodenal ulcer] Lattanzi A. **Clin Ter** 1981 Oct 31;99(2):187–205 (76 ref.) **(Ita)**

[Acidrine in the treatment of diseases caused by hydrochloropeptic hypersecretion] Corazza GR, et al. **Minerva Dietol Gastroenterol** 1981 Oct–Dec;27(4):585–91 (Eng. Abstr.) **(Ita)**

[Acid and gastrin secretion before and after treatment with pirenzepine in patients with duodenal ulcer] Sternini C, et al. **Minerva Dietol Gastroenterol** 1982 Jan–Mar; 28(1):59–64 (Eng. Abstr.) **(Ita)**

[Ranitidine, a new histamine H2 receptor antagonist. First experimental and clinical data] Simon B, et al. **Minerva Med** 1981 Oct 20;72(40):2657–61 (Eng. Abstr.) **(Ita)**

[Effects of a new histamine H2–receptor antagonist, ranitidine, on experimental acute gastric and duodenal ulcers (author's transl)] Okabe S, et al. **Nippon Yakurigaku Zasshi** 1981 Apr;77(4):397–406 (Eng. Abstr.) **(Jpn)**

[Duodenal ulcer. Randomized study with 8 therapeutic schedules] Cordeiro F. **Arq Gastroenterol** 1981 Jan–Mar; 18(1):3–7 (Eng. Abstr.) **(Por)**

[Effect of enkephalin and cimetidine on the occurrence and course of duodenal ulcers in rats] Vinogradov VA, et al. **Biull Eksp Biol Med** 1982 May;93(5):40–2 (Eng. Abstr.) **(Rus)**

[Experience with the therapeutic use of Gastropharm in peptic ulcer] Litinskaia EV. **Vrach Delo** 1982 Jan;(1):70–3 (Eng. Abstr.) **(Rus)**

[Drug therapy of ulcer disease] Andrejević M. **Srp Arh Celok Lek** 1981 Jan;109(1):31–44 **(Sec)**

[A comparative study of the treatment of duodenal ulcers using cimetidine and the usual drug therapy] Vukašinović R, et al. **Vojnosanit Pregl** 1982 May–Jun;39(3):190–3 **(Ser)**

[Medical treatment of duodenal peptic ulcer (author's transl)] Ugarte G. **Rev Med Chil** 1981 Apr;109(4):346–8 (Eng. Abstr.) **(Spa)**

ENZYMOLOGY

[Biochemical evaluation of reparative processes in duodenal ulcer] Alekseeva LM, et al. **Klin Med (Mosk)** 1981 Feb; 59(2):53–5 (Eng. Abstr.) **(Rus)**

ETIOLOGY

Penetrating duodenal ulcer associated with an operatively implanted arterial chemotherapy infusion catheter. Crowley ML. **Gastroenterology** 1982 Jul;83(1 Pt 1):118–20

Development of duodenal ulcer during cimetidine treatment for gastric ulcer [letter] Emmanouilidis A, et al. **Gastrointest Endosc** 1982 May;28(2):115–6

Neural and hormonal factors in peptic ulcer disease. Feldman

M. **J Clin Gastroenterol** 1981;3(Suppl 2):51–6
Herpes simplex virus and duodenal ulceration [letter] van der Merve CF, et al. **Lancet** 1982 Oct 2;2(8301):762
The role of anxiety in duodenal ulceration [letter] Magni G, et al. **S Afr Med J** 1982 Feb 20;61(8):262
The role of intelligence and depression in Indian and black duodenal ulcer patients in South Africa. Schlebusch L, et al. **S Afr Med J** 1981 Oct 17;60(16):613–4
Massive gastroduodenal hemorrhage and perforation in acute spinal cord injury. Leramo OB, et al. **Surg Neurol** 1982 Mar;17(3):186–90
The role of gastrin in duodenal ulcer. McGuigan JE, et al. **Trans Am Clin Climatol Assoc** 1980;92:199–207
[Duodenal ulcer and short common bile duct. Duodeno-choledochal reflux (author's transl)] Juvara I, et al. **Chirurgie** 1981;107(8):585–91 (Eng. Abstr.) **(Fre)**
[Is there a connection between viral infections and the appearance of duodenal ulcers? (editorial)] Hallak A, et al. **Harefuah** 1981 Dec 1;101(11):322–3 **(Heb)**
[Correlation between the study of gastric secretion and the levels of blood gastrin in duodenal ulcer patients] de la Fuente Perucho A, et al. **Rev Esp Enferm Apar Dig** 1981 Jun;59(6):697–700 (Eng. Abstr.) **(Spa)**

FAMILIAL & GENETIC

Estimation of fitness reduction due to a chronic disease in man. Nei M, et al. **Ann Hum Genet** 1981 Jul;45(Pt 3):261–5
Family studies of hypergastrinemic, hyperpepsinogenemic I duodenal ulcer. Taylor IL, et al. **Ann Intern Med** 1981 Oct;95(4):421–5
[Genealogic analysis of peptic ulcer of the duodenum] Stanchev IN. **Vutr Boles** 1982;21(2):55–60 (Eng. Abstr.) **(Bul)**

IMMUNOLOGY

HLA antigens in relationship to duodenal ulceration, gastric acid secretion and the clinical result following vagotomy. Gough MJ, et al. **Br J Surg** 1982 Feb;69(2):105–7
Peripheral blood T lymphocytes in patients with duodenal ulcers treated with cimetidine. Gigi MR, et al. **Clin Exp Immunol** 1982 Apr;48(1):186–8
Are there immunologic forms of duodenal ulcer? Rotter JI, et al. **J Clin Lab Immunol** 1982 Jan;7(1):1–6 (92 ref.)
[Changes in the content of peripheral blood T- and B-lymphocytes in complicated duodenal ulcer after selective proximal vagotomy] Kirichenko BB. **Klin Khir** 1981 Aug;(8):8–11 (Eng. Abstr.) **(Rus)**

METABOLISM

Free amino acids of human gastric juice. Komorowska M, et al. **Acta Physiol Pol** 1981 Sep-Oct;32(5):559–67
Histochemical changes in mucus in duodenal ulceration. Morrissey SM, et al. **Adv Exp Med Biol** 1982;144:239–41
Assay and identification of histamine in human gastric aspirate by a fluorometric--fluoroenzymatic technique. Its application in patients with chronic duodenal ulcer. Parkin JV, et al. **Agents Actions** 1982 Apr;12(1–2):17–25
Nocturnal gastric acid secretion in duodenal ulcer: inhibition by cimetidine. Broor SL, et al. **Am J Med Sci** 1981 Nov-Dec;282(3):120–4
Sucralfate: pharmacokinetics, metabolism and selective binding to experimental gastric and duodenal ulcers in animals. Steiner K, et al. **Arzneimittelforsch** 1982; 32(5):512–8
Duodenal pepsinogens in experimental duodenal ulcer in rats. Mangla JC, et al. **Biochem Med** 1982 Feb;27(1):82–5
Dynamics of gastric acid inhibition by ranitidine in duodenal ulcer patients. Konturek SJ, et al. **Digestion** 1981; 22(3):119–25
Effect of bethanechol (urecholine) on gastric acid and nonparietal secretion in normal subjects and duodenal ulcer patients. Comparison with atropine, pentagastrin, and histamine. Feldman M, et al. **Gastroenterology** 1982 Jul;83(1 Pt 2):262–5
Cholecystokinin-like activity in the duodenal mucosa of duodenal ulcer patients. Kataoka S. **Gut** 1982 May; 23(5):390–7
Distribution of a liquid meal within the stomach and gastric emptying after vagotomy and drainage operations. Lawaetz O, et al. **Gut** 1982 Aug;23(8):683–91
Effect of cimetidine on the amounts of histamine in the gastric mucosa of patients with gastric or duodenal ulcers. Man WK, et al. **Gut** 1981 Nov;22(11):923–6
Effect of pentagastrin on histamine output from the stomach in patients with duodenal ulcer. Man WK, et al. **Gut** 1981 Nov;22(11):916–22
Gastric mucosal histamine and histamine methyltransferase in patients with duodenal ulcer. Peden NR, et al. **Gut** 1982 Jan;23(1):58–62
Gut reactions - control of antral hormone release. Hayes JR. **Ir J Med Sci** 1981 Aug;150(8):230–5 (22 ref.)
Antral gastrin and somatostatin concentrations in peptic ulcer patients. Sumii K, et al. **Peptides (Fayetteville)** 1981;2 Suppl 2:281–3
The assessment of mucus substances in gastric juice from duodenal ulcer patients and normal subjects. Donaldson JD, et al. **Scand J Gastroenterol** 1981;16(2):235–9
The pharmacokinetics of ranitidine in patients with chronic duodenal ulceration. McFadyen ML, et al. **Scand J Gastroenterol [Suppl]** 1981 Jun;69:109–13
[The behaviour of basal gastric secretion during exercise and restitution in chronic gastric and duodenal ulcer patients (author's transl)] Zach E, et al. **Dtsch Z Verdau Stoffwechselkr** 1982;42(2–3):53–63 (Eng. Abstr.) **(Ger)**
[The role of gastrin in duodenal ulceration (author's transl)] Lorenz D, et al. **Zentralbl Chir** 1982;107(4):193–9 (Eng. Abstr.) **(Ger)**
[Studies on gastric mucosal gastrin and somatostatin concentrations in the same sample of duodenal ulcer patients (author's transl)] Dan A. **Nippon Shokakibyo Gakkai Zasshi** 1982 Jan;79(1):122 **(Jpn)**
[Relations between natural immunity and functional state of mast cells of the gastric mucosa in patients with duodenal ulcer] Lopunova ZhK, et al. **Ter Arkh** 1981;53(11):66–8 (Eng. Abstr.) **(Rus)**
[Effect of cimetidine on lactose activity in patients with duodenal ulcer] Gaón D, et al. **Acta Gastroenterol Latinoam** 1981;11(2):285–90 (Eng. Abstr.) **(Spa)**

OCCURRENCE

Duodenal ulcer disease in the hospitalized elderly patient. Permutt RP, et al. **Dig Dis Sci** 1982 Jan;27(1):1–6
The complex wane of peptic ulcer. II. Trends in duodenal and gastric ulcer admissions to 790 hospitals, 1974–1979. Wylie CM. **J Clin Gastroenterol** 1981 Dec;3(4):333–9
[Ulcer disease as a medical and social problem in the region of Vojvodina] Zivanović M, et al. **Med Pregl** 1981; 34(11–12):545–8 **(Scr)**

PATHOLOGY

Clinic-pathological study of gastro-duodenal ulcers from the standpoint of aging of the patients. Yamagiwa H, et al. **Acta Pathol Jpn** 1981 Sep;31(5):783–90
The antral gastrin-producing cells in duodenal ulcer patients. Study of the relationship between G-cell density, gastric acid secretion and fasting serum-gastrin. Nielsen HO, et al. **Acta Pathol Microbiol Scand [A]** 1981 Jul;89(4):293–6
Healing and recurrence of duodenal ulcers in relation to the acid-secreting area. Tatsuta M, et al. **Endoscopy** 1982 Jan; 14(1):11–3
Duodenal mucosal architecture in non-specific and ulcer-associated duodenitis. Hasan M, et al. **Gut** 1981 Aug; 22(8):637–41
Peptic perforation of a Meckel's diverticulum. Russell C. **J R Coll Surg Edinb** 1982 Jan;27(1):63–5
The antrum in duodenal ulcer patients. Relationship between antrum size, nerve of Latarjet, gastrin cell quantity, and gastric acid secretion. Nielsen HO, et al. **Scand J Gastroenterol** 1981;16(4):491–5
Brunner's glands of the rat during cysteamine ulceration. Poulsen SS, et al. **Scand J Gastroenterol** 1981;16(4):459–64
Gastric mucosa after selective proximal vagotomy at stomach and duodenal ulcers. Zufarov KA, et al. **Z Mikrosk Anat Forsch** 1982;96(2):346–60
[Duodenal diverticula combined with peptic ulcer] Viiachki I, et al. **Khirurgiia (Sofiia)** 1982;35(2):218–20 **(Bul)**
[The role of duodenal erosions in bleeding of the gastrointestinal tract] Preisich P, et al. **Orv Hetil** 1981 Dec 6;122(49):3015–9 **(Hun)**
[Cytomegalovirus inclusion disease with ulcerative changes of gastrointestinal tract (author's transl)] Kurihara T, et al. **Nippon Shokakibyo Gakkai Zasshi** 1981 Aug; 78(8):1658–62 **(Jpn)**
[Morphofunctional state of the gastric mucosa in primary, combined and secondary stomach ulcer] Khachiev LG, et al. **Arkh Patol** 1982;44(5):25–30 (Eng. Abstr.) **(Rus)**
[Combination of cholelithiasis and peptic ulcer against a background of duodenal anomaly] Khizhniak VV, et al. **Klin Khir** 1981 Sep;(9):57–8 **(Rus)**
[Regeneration of gastric mucosa and its clinical significance] Aruin LI. **Klin Med (Mosk)** 1981 Feb;59(2):55–63 (Eng. Abstr.) **(Rus)**
[Clinical course of peptic ulcer in young patients with a double localization of the ulcer] Popov DT, et al. **Sov Med** 1981;(6):108–10 **(Rus)**
[Ultrastructure of the microcirculatory network of the duodenal mucosa in duodenal ulcer] Iumashkina AG, et al. **Ter Arkh** 1982;54(3):120–4 (Eng. Abstr.) **(Rus)**

PHYSIOPATHOLOGY

A critical analysis of the gastric secretory response of patients with duodenal ulcer in dependence of their age and duration of complaints. Mózsik G, et al. **Acta Med Acad Sci Hung** 1981;38(2):117–28
Frequency of swallowing in duodenal ulceration and hiatus hernia. Calloway SP, et al. **Br Med J [Clin Res]** 1982 Jul 3;285(6334):23–4
Rapid gastric emptying in duodenal ulcer patients. Lam SK, et al. **Dig Dis Sci** 1982 Jul;27(7):598–604
Inhibition of basal acid, chloride, and pepsin secretion in duodenal ulcer by graded doses of ranitidine and atropine with studies of pharmacokinetics of ranitidine. Hirschowitz BI, et al. **Gastroenterology** 1982 Jun;82(6):1314–26
Acid output and ulcer healing [letter] Lam SK. **Gastroenterology** 1982 Jan;82(1):166–7
Predictors of duodenal ulcer healing and relapse. Sonnenberg A, et al. **Gastroenterology** 1981 Dec;81(6):1061–7
Gastric secretory and plasma hormonal responses to sham-feeding of varying duration in patients with duodenal ulcer. Konturek SJ, et al. **Gut** 1981 Dec;22(12):1003–10
Patterns of small intestinal motility in duodenal ulcer patients before and after vagotomy. Thompson DG, et al. **Gut** 1982 Jun;23(6):517–23
Anatomic-functional behaviour of the gastric mucosa in different clinical phases (acute, quiescent, relapsing) of duodenal ulcer. Giacosa A, et al. **Hepatogastroenterology** 1982 Jun;29(3):124–6
Differential effect of changing central and peripheral catecholamine levels in cysteamine-induced duodenal ulcer in the rat. Horner HC, et al. **Life Sci** 1981 Dec 7; 29(23):2437–43
Acid secretion and duodenal ulcer healing in patients on medical treatment. Angorn IB, et al. **S Afr Med J** 1982 Feb 6;61(6):199–201
Kinetics and duration of action of ranitidine on gastric secretion and its effect on pancreatic secretion in duodenal ulcer patients. Konturek SJ, et al. **Scand J Gastroenterol [Suppl]** 1981 Jun;69:91–9
The effect of ranitidine and cimetidine on the twenty-four hour intragastric acidity profile and nocturnal acid secretion in duodenal ulcer patients. Walt RP, et al. **Scand J Gastroenterol [Suppl]** 1981 Jun;69:33–7
[Contact transendoscopic thermometry via a tube in active gastric and duodenal ulcer] Tenev T. **Vutr Boles** 1982; 21(3):21–5 (Eng. Abstr.) **(Bul)**
[Effect of acute administration of proglumide on serum gastrin and basal gastric acid secretion in normal subjects and patients with duodenal ulcer] Marletta F, et al. **Clin Ter** 1981 Apr 15;97(1):35–42 (Eng. Abstr.) **(Ita)**
[Evaluation of the coagulation and fibrinolysis systems in gastric and duodenal peptic ulcer patients] Kempf Z. **Folia Med Cracov** 1981;23(2):257–67 (Eng. Abstr.) **(Pol)**
[Clinical usefulness of the study of gastric secretion] Sadowski J, et al. **Wiad Lek** 1981 Aug 1;34(15):1251–4 (Eng. Abstr.) **(Pol)**
[Effect of vagotomy on the formation and development of a chronic experimental (acetate) ulcer of the duodenum in rats] Eletskii IuK, et al. **Arkh Patol** 1982;44(1):54–8 (Eng. Abstr.) **(Rus)**
[Characteristics of gastric secretion in duodenal ulcer associated with chronic duodenal obstruction] Kliminskii IV, et al. **Khirurgiia (Mosk)** 1981 Aug;(8):37–40 (Eng. Abstr.) **(Rus)**
[Local regulatory mechanisms of hydrochloric acid evacuation from the stomach of patients with duodenal ulcer] Masevich TsG, et al. **Klin Med (Mosk)** 1980 Jul; 58(7):74–9 (Eng. Abstr.) **(Rus)**
[Functional disorders of the upper gastrointestinal tract in diseases of the pyloroduodenal area] Zlatkina AR, et al. **Sov Med** 1981;(6):16–21 (Eng. Abstr.) **(Rus)**
[The nature of gastric hypersecretion] Gadzhiev KhE, et al. **Ter Arkh** 1981;53(10):56–8 (Eng. Abstr.) **(Rus)**
[Possibilities of x-ray examination in evaluation of the functional state of the stomach and duodenum in patients with duodenal ulcer] Neporent MI. **Ter Arkh** 1982; 54(3):117–20 (Eng. Abstr.) **(Rus)**
[Effect of intraduodenal oil administration on the gastric secretion in the patients with duodenal ulcer] Saakian AG, et al. **Ter Arkh** 1981;53(10):83–6 (Eng. Abstr.) **(Rus)**
[Functional state of enteroinsular system in duodenal ulcer] Shvarts VIa, et al. **Ter Arkh** 1981;53(10):61–5 (Eng. Abstr.) **(Rus)**
[Characteristics of gastric acid secretion disorders in duodenal ulcer] Vakhrushev IaM. **Ter Arkh** 1982;54(2):26–8 (Eng. Abstr.) **(Rus)**
[Secretory function indices of the stomach in peptic ulcer of varying severity] Chirkov IuV. **Vestn Khir** 1982 Mar; 128(3):27–30 (Eng. Abstr.) **(Rus)**
[Functional state of the hepatobiliary system in gastric and duodenal peptic ulcer] Ivancho ES. **Vrach Delo** 1982 Feb; (2):23–5 (Eng. Abstr.) **(Rus)**
[Characteristics of the course of gastric and duodenal peptic ulcer as a function of the site of the ulcer] Valenkevich LN, et al. **Vrach Delo** 1981 Dec;(12):20–3 (Eng. Abstr.) **(Rus)**
[Maximal gastric secretory capacity in gastric and duodenal ulcer: its relation to the blood groups of the patients (1)] Gutiérrez Cabano CA. **Rev Esp Enferm Apar Dig** 1981 Oct; 60(4):347–50 (Eng. Abstr.) **(Spa)**

PREVENTION & CONTROL

Does treatment with cimetidine extended beyond initial healing of duodenal ulcer reduce the subsequent relapse rate? [letter] **Br Med J [Clin Res]** 1982 Apr 17; 284(6323):1193–4
Does treatment with cimetidine extended beyond initial healing of duodenal ulcer reduce the subsequent relapse rate? Bardhan KD, et al. **Br Med J [Clin Res]** 1982 Feb 27;284(6316):621–3
Prophylactic effect of dietary fibre in duodenal ulcer disease. Rydning A, et al. **Lancet** 1982 Oct 2;2(8301):736–9
[Long-term prevention of duodenal ulcer with cimetidine. Effect of the rhythm of ingestion and drug compliance on the incidence of recurrence] Massarrat S, et al. **Dtsch Med Wochenschr** 1982 Jul 16;107(28):1085–8 (Eng. Abstr.) **(Ger)**

PSYCHOLOGY

Life events and chronic duodenal ulcer: a case control study. Piper DW, et al. **Gut** 1981 Dec;22(12):1011–7

Psychological characteristics of hypertensive and ulcer patients. Lyketsos G, et al. **J Psychosom Res** 1982; 26(2):255–62

Serum gastrin and the family environment in duodenal ulcer disease. Wolcott DL, et al. **Psychosom Med** 1981 Dec; 43(6):501–7

The effect of stressful life situations on the healing of duodenal ulceration. Mason JB, et al. **S Afr Med J** 1981 Nov 7;60(19):734–7

[Psychological factors in duodenal ulcers] Bauer B, et al. **Dtsch Z Verdau Stoffwechselkr** 1981;41(6):288–94 (Eng. Abstr.) **(Ger)**

[Psychosomatics of the operated ulcer patient. A critical catamnesis after 4 years' treatment (author's transl)] Möhlen K, et al. **Psychother Psychosom Med Psychol** 1982 Jan; 32(1):19–26 (Eng. Abstr.) **(Ger)**

[Clinical session of the Brazilian Institute for Study and Research in Gastroenterology: duodenal ulcer] **Arq Gastroenterol** 1981 Jul–Sep;18(3):132–7 **(Por)**

RADIOGRAPHY

[Evidence of air in the peritoneal cavity in perforated gastroduodenal ulcers during insufflation] Kleinau W, et al. **Zentralbl Chir** 1980;105(15):997–1001 **(Ger)**

RADIONUCLIDE IMAGING

Demonstration of delayed duodenal bleeding by 99Tc labeled red cells. Bauer R, et al. **Nuklearmedizin** 1982 Feb; 21(1):46–7

[Liver function in peptic ulcer based on dynamic hepatoscintigraphy] Mil'ko VI, et al. **Vrach Delo** 1981 Jul; (7):59–62 (Eng. Abstr.) **(Rus)**

REHABILITATION

[Comparative analysis of the efficacy of step-by-step-rehabilitation of patients with different localization of peptic ulcer] Elizavetina GA, et al. **Ter Arkh** 1982; 54(1):105–8 (Eng. Abstr.) **(Rus)**

SURGERY

Treatment of perforated duodenal ulcer by vagotomy-associated antrectomy. Kotsis L, et al. **Acta Chir Acad Sci Hung** 1980;21(1):25–30

The acid secretory response to betazole and insulin hypoglycemia after selective proximal vagotomy for duodenal ulcer. Nilsell K, et al. **Acta Chir Scand** 1981; 147(6):431–4

Mucosal changes of the Billroth II resected stomach. A follow-up study of patients resected for duodenal ulcer,with special reference to gastritis, atypia and cancer. Graem N, et al. **Acta Pathol Microbiol Scand [A]** 1981 May; 89(3):227–34

Effect of parietal cell vagotomy on gastric emptying in duodenal ulcer disease. Horton JW, et al. **Am J Surg** 1982 Jan;143(1):86–9

Giant duodenal ulcer. Morrow CE, et al. **Am J Surg** 1982 Sep;144(3):330–1

Exclusion pyloroplasty [letter] Fraser I. **Ann R Coll Surg Engl** 1982 May;64(3):201–2

Treatment of bleeding duodenal ulcer [letter] Nazarian NA. **Ann R Coll Surg Engl** 1982 Sep;64(5):352

Revision operations after primary gastric surgery. Wilson WW. **Ann R Coll Surg Engl** 1982 Jul;64(4):225–8

Immediate definitive surgery for perforated duodenal ulcers: a prospective controlled trial. Boey J, et al. **Ann Surg** 1982 Sep;196(3):338–44

A prospective study of operative risk factors in perforated duodenal ulcers. Boey J, et al. **Ann Surg** 1982 Mar; 195(3):265–9

Cimetidine versus surgery for recurrent ulcer after gastric surgery. Koo J, et al. **Ann Surg** 1982 Apr;195(4):406–12

Surgical treatment of duodenal ulcer: a prospective randomized study. Mulholland M, et al. **Arch Surg** 1982 Apr;117(4):393–7

Recurrent ulcer. Amdrup E. **Br J Surg** 1981 Oct; 68(10):679–81 (21 ref.)

Recurrent ulceration after highly selective vagotomy for duodenal ulcer. Blackett RL, et al. **Br J Surg** 1981 Oct; 68(10):705–10

Late results of proximal gastric vagotomy without drainage for duodenal ulcer: 5—9-year follow-up. de Miguel J. **Br J Surg** 1982 Jan;69(1):7–10

When vagotomy fails [editorial] Gillespie IE. **Br Med J [Clin Res]** 1982 Jun 19;284(6332):1815–6

Proximal Gastric vagotomy without drainage for treatment of perforated duodenal ulcer. Jordan PH Jr. **Gastroenterology** 1982 Jul;83(1 Pt 2):179–83

Treatment of bleeding canine duodenal and esophageal ulcers with argon laser and bipolar electrocoagulation. Machicado GA, et al. **Gastroenterology** 1981 Nov;81(5):859–65

Bile acid and lysolecithin concentrations in the stomach in patients with duodenal ulcer before operation and after treatment by highly selective vagotomy, partial gastrectomy, or truncal vagotomy and drainage. Dewar P, et al. **Gut** 1982 Jul;23(7):569–77

Proximal gastric vagotomy after five years. Storey DW, et al. **Gut** 1981 Sep;22(9):702–4

Follow-up study in 402 patients after parietal cell vagotomy for duodenal ulcer. Romeo G, et al. **Int Surg** 1981 Oct–Dec; 66(4):303–6

Mucous antrectomy associated with vagotomy in duodenal ulcer. Tinoco RC, et al. **Int Surg** 1982 Jan–Mar;67(1):37–40

Development of surgery for peptic ulcer: a review. Kirk RM, et al. **J R Soc Med** 1981 Nov;74(11):828–30

Possible physiological advantages of parietal cell vagotomy. Jordan PH Jr. **Jpn J Surg** 1981;11(6):485–92 (44 ref.)

Surgical research and duodenal ulcer. Part I. Kay AW. **Nebr Med J** 1982 Mar;67(3):44–51

Surgical treatment in asymptomatic patients with duodenal ulcers as a prophylaxis against haemorrhage. Bucknall TE, et al. **Postgrad Med J** 1982 Jan;58(675):30–1

Recurrent peptic ulcer. An approach to this surgical disappointment. Lygidakis NJ. **Practitioner** 1981 Dec; 225(1362):1821–4

The response of plasma gastric-inhibitory polypeptide (GIP) to slow and fast glucose ingestion in Billroth II resected patients and normal controls. Jorde R, et al. **Regul Pept** 1981 Nov;2(6):391–9

Perforations in acute duodenal ulcers. Boey J, et al. **Surg Gynecol Obstet** 1982 Aug;155(2):193–6

Clinical study of extended proximal gastric vagotomy for duodenal ulcer. Wei TC, et al. **Taiwan I Hsueh Hui Tsa Chih** 1981 Dec;80(12):1275–82

Numerical variation of parietal cells after vagotomy in cases of duodenal ulcer. Amano K. **Tohoku J Exp Med** 1981 Oct;135(2):165–78

[Duodenal ulcer and chronic pancreatitis] Merdzhanov A, et al. **Khirurgiia (Sofiia)** 1982;35(2):158–61 (Eng. Abstr.) **(Bul)**

[Highly selective vagotomy for treatment of duodenal ulcer (author's transl)] Jiang ZM, et al. **Chung Kuo I Hsueh Ko Hsueh Yuan Hsueh Pao** 1981 Mar; 3(1):14–7 (Eng. Abstr.) **(Chi)**

[The early results of highly selective vagotomy in the treatment of duodenal ulcer (author's transl)] Wang CS, et al. **Taiwan I Hsueh Hui Tsa Chih** 1982 Jan;81(1):119–26 (Eng. Abstr.) **(Chi)**

[Duodenal ulcer and esophageal reflux] Serý Z, et al. **Cesk Gastroenterol Vyz** 1981 Aug;35(6):265–75 (Eng. Abstr.) **(Cze)**

[Vagotomy in the treatment of ulcers] Anděl Z, et al. **Rozhl Chir** 1981 Sep;60(9):593–9 (Eng. Abstr.) **(Cze)**

[The significance and role of transthoracic truncal vagotomy in the treatment of recurring ulcers] Tomšu M, et al. **Rozhl Chir** 1982 Jun;61(6):391–4 **(Cze)**

[Duodenal ulcer treated with truncal vagotomy and drainage. 259 consecutive operations in a Danish central hospital] Cetti R, et al. **Ugeskr Laeger** 1982 Mar 8;144(10):707–10 (Eng. Abstr.) **(Dan)**

[Parietal cell vagotomy in duodenal ulcer. Results in 119 patients 1–9 year after operation] Schulze S, et al. **Ugeskr Laeger** 1982 Mar 8;144(10):710–3 (Eng. Abstr.) **(Dan)**

[One hundred cases of highly selective vagotomy without pyloroplasty for duodenal ulcer, with a follow-up of 4 to 8 years (author's transl)] Henrion C, et al. **Acta Chir Belg** 1982 Mar–Apr;(2):85–9 (Eng. Abstr.) **(Fre)**

[Supra-selective vagotomy in the treatment of perforated duodenal ulcers. Thirty cases report (author's transl)] Ronsse H, et al. **Ann Chir** 1981 Sep;35(7):480–3 (Eng. Abstr.) **(Fre)**

[Surgical treatment, excluding proximal vagotomy, of uncomplicated peptic ulcers (author's transl)] Guillet R, et al. **Chirurgie** 1981 Jun;107(7):536–45 (Eng. Abstr.) **(Fre)**

[The value of endoscopy in the assessment of results supra-selective vagotomy (author's transl)] Rives J, et al. **Chirurgie** 1981;107(6):467–74 (Eng. Abstr.) **(Fre)**

[Surgery of posterior hemorrhagic ulcers of the duodenal bulb] **J Chir (Paris)** 1981 Jul–Aug;118(6–7):433–40 **(Fre)**

[Severe digestive hemorrhage from ulcers on the posterior surface of the first part of the duodenum: clinical aspects and therapeutical results in 107 cases (author's transl)] Hollender LF, et al. **J Chir (Paris)** 1981 Jul–Aug; 118(6–7):389–93 (Eng. Abstr.) **(Fre)**

[Supra-selective vagotomy in the treatment of perforated duodenal ulcers. Thirty cases report (author's transl)] Ronsse H, et al. **Sem Hop Paris** 1982 Feb 18;58(7):407–10 (Eng. Abstr.) **(Fre)**

[Ulcer recurrence after surgical therapy of duodenal ulcer] Feifel G, et al. **Chirurg** 1982 Jan;53(1):23–8 **(Ger)**

[Electrostimulation test for intraoperative vagotomy control. Results of a prospective randomized study] Junginger T, et al. **Chirurg** 1981 Aug;52(8):519–24 (Eng. Abstr.) **(Ger)**

[Elective surgical procedures in duodenal ulcer therapy] Müller C, et al. **Chirurg** 1982 Jan;53(1):9–15 **(Ger)**

[Emergency procedures in duodenal ulcer] Siewert JR, et al. **Chirurg** 1982 Jan;53(1):16–22 **(Ger)**

[Proximal gastric vagotomy – an interim balance] Siewert R, et al. **Chirurg** 1981 Aug;52(8):511–8 (Eng. Abstr.) **(Ger)**

[The recurrent ulcer patient following selective proximal vagotomy in the treatment of duodenal ulcer (author's transl)] Linder MM, et al. **Langenbecks Arch Chir** 1982; 356(3):175–80 (Eng. Abstr.) **(Ger)**

[Surgical treatment of gastroduodenal ulcers in the elderly (author's transl)] Seitz W, et al. **Langenbecks Arch Chir** 1982;356(2):95–103 (Eng. Abstr.) **(Ger)**

[Analysis of therapeutic failures of three surgical concepts for treatment of duodenal ulcer-results of a prospective consecutive study (author's transl)] Vestweber KH, et al. **Langenbecks Arch Chir** 1982;357(1):41–51 (Eng. Abstr.) **(Ger)**

[Early and late results of surgical therapy of duodenal ulcer] Kummer D, et al. **Med Welt** 1982 Feb 5;33(5):165–71 (22 ref.) **(Ger)**

[Bleeding ulcers in the pyloric channel and in the proximal duodenum (author's transl)] Martinoli S. **Praxis** 1981 Dec 1;70(49):2209–12 (Eng. Abstr.) **(Ger)**

[Is the intraoperative electrical stimulation test of Burge indispensable in order to ensure complete denervation in selective proximal vagotomy? (author's transl)] Müller G, et al. **Wien Klin Wochenschr** 1981 Aug 7;93(15):479–84 (Eng. Abstr.) **(Ger)**

[Total transgastric highly selective vagotomy (author's transl)] Petropoulos PC. **Zentralbl Chir** 1981; 106(21):1409–20 (Eng. Abstr.) **(Ger)**

[Surgical treatment of non-complicated gastric and duodenal ulcers] Alagni G, et al. **Minerva Chir** 1981 Dec 15–31; 36(23–24):1703–6 **(Ita)**

[Technical solution in a case of peptic ulcer of the 2d duodenum (juxtapapillary)] Berardi S, et al. **Minerva Chir** 1981 Nov 30;36(22):1519–22 **(Ita)**

[Gastric and duodenal ulcer (chronic, bleeding, perforating). Criteria for the choice of treatment] Navarra S. **Minerva Chir** 1981 Dec 15–31;36(23–24):1695–9 **(Ita)**

[The lower esophageal sphincter and superselective vagotomy. Manometric study with the method of rapid pull-through of the catheter] Rossi R, et al. **Minerva Chir** 1981 Aug 15–31;36(15–16):1001–4 (Eng. Abstr.) **(Ita)**

[Our experience in the use of gastric secretion inhibitors in surgery] Catrambone G, et al. **Minerva Med** 1981 Nov 14; 72(45):2999–3002 **(Ita)**

[Effect of Rydygier gastrectomy with vagotomy on gastric secretory function in duodenal ulcer] Sarosiek J, et al. **Pol Tyg Lek** 1981 May 25;36(21):763–6 (Eng. Abstr.) **(Pol)**

[Proximal gastric vagotomy – operative technic] Gama-Rodriques JJ, et al. **Rev Hosp Clin Fac Med Sao Paulo** 1981 Apr;36(2):91–5 (Eng. Abstr.) **(Por)**

[Gastric resection with triple gastrojejunal, duodenojejunal and jejunojejunal anastomosis on omega loops] Bancu EV, et al. **Rev Chir [Chir]** 1981 Nov–Dec;30(6):441–4 **(Rum)**

[Secretory function of the stomach after selective proximal vagotomy] Pomelov VS, et al. **Khirurgiia (Mosk)** 1981 Sep; (9):33–6 (Eng. Abstr.) **(Rus)**

[Vagotomy in surgical treatment of stomach and duodenal ulcer] Vinnichenko AG, et al. **Khirurgiia (Mosk)** 1981 Sep; (9):30–2 (Eng. Abstr.) **(Rus)**

[Comparative evaluation of the results of vagotomy and gastrectomy in pyloroduodenal ulcers] Mansur AKh. **Klin Khir** 1981 Aug;(8):39–41 (Eng. Abstr.) **(Rus)**

[Effectiveness of surgical treatment of duodenal ulcer based on morpho-functional studies] Pruglo IuV, et al. **Klin Khir** 1981 Aug;(8):13–5 (Eng. Abstr.) **(Rus)**

[Surgical treatment of duodenal ulcer in patinets with diabetes mellitus] Vitebskiĭ IaD, et al. **Klin Khir** 1981 Aug; (8):44–5 (Eng. Abstr.) **(Rus)**

[Clinical evaluation of vagotomy in peptic ulcer] Astrozhnikov IuV, et al. **Vestn Khir** 1982 Apr;128(4):23–7 (26 ref.) **(Rus)**

[Late results of the surgical treatment of gastroduodenal ulcers] Avakimian VA. **Vestn Khir** 1982 Apr;128(4):33–7 **(Rus)**

[Surgical treatment in complicated stomach and duodenal ulcers] Grinevich VA, et al. **Vestn Khir** 1981 Nov; 127(11):31–3 **(Rus)**

[Kallikrein-kinin system of the blood and microcirculation following surgical treatment of gastric and duodenal ulcer] Kerimov GM, et al. **Vestn Khir** 1982 Apr;128(4):27–33 **(Rus)**

[Necrosis of sclerosed lesser curvature of the stomach after proximal selective vagotomy] Kissin EA, et al. **Vestn Khir** 1981 Dec;127(12):80–1 **(Rus)**

[Surgical treatment of duodenal ulcer] Maiat VS, et al. **Vestn Khir** 1982 Mar;128(3):19–23 (Eng. Abstr.) **(Rus)**

[Causes of unreliability of parietal pH-metry of the stomach as the method of intraoperative monitoring of completeness of vagotomy] Merkulov OA, et al. **Vestn Khir** 1981 Dec; 127(12):30–3 (Eng. Abstr.) **(Rus)**

[Autohemotransfusion in the surgical treatment of stomach and duodenal ulcers] Piksin IN, et al. **Vestn Khir** 1981 Aug; 127(8):89–93 **(Rus)**

[Late results of vagotomy and gastric resection for pyloroduodenal ulcers] Sibul' UF, et al. **Vestn Khir** 1982 Apr;128(4):19–22 **(Rus)**

[Surgical treatment of duodenal ulcer (concerning A.A. Rusanov's article 'Vagotomy in gastric and duodenal ulcer')] Sitenko VM, et al. **Vestn Khir** 1981 Sep; 127(9):29–38 (Eng. Abstr.) **(Rus)**

[Case of cicatricial stenosis of the colon] Kalenov VE, et al. **Vestn Rentgenol Radiol** 1982;(2):79–81 **(Rus)**

[Recurrent ulcers in the Zollinger-Ellison syndrome] Sekulovski K, et al. **Acta Chir Iugosl** 1981;28(2):239–45 (Eng. Abstr.) **(Scr)**

[Evaluation of the Billroth I method for the treatment of ulcer disease—experience gained by the operation of 2,344 patients (author's transl)] Kučišec A, et al. **Lijec Vjesn** 1980 Jul–Aug;102(7–8):427–31 (Eng. Abstr.) **(Scr)**

[Proximal gastric vagotomy; effect on parietal and

non-parietal components of gastric secretion. Comparison with effects obtained with cimetidine] Castro Rial M, et al. **Rev Esp Enferm Apar Dig** 1981 Aug;60(2):137–48 (Eng. Abstr.) **(Spa)**

[Pre-pyloric antrectomy with truncal vagotomy and anterior pylorectomy as a treatment for duodenal ulcer] López Gibert J, et al. **Rev Esp Enferm Apar Dig** 1981 Sep; 60(3):277–84 (Eng. Abstr.) **(Spa)**

[Gastric resection with or without vagotomy for gastric or duodenal ulcer. Late follow-up (author's transl)] Csendes A, et al. **Rev Med Chil** 1981 Aug;109(8):720–7 (Eng. Abstr.) **(Spa)**

[Proximal gastric vagotomy for duodenal ulcer. Experience with 56 patients (author's transl)] Jara L, et al. **Rev Med Chil** 1981 Nov;109(11):1076–8 (Eng. Abstr.) **(Spa)**

THERAPY

Parietal cell vagotomy and truncal vagotomy as treatment of duodenal ulcer. A prospective randomized trial. Selking O, et al. **Acta Chir Scand** 1981;147(7):561–7

Tubeless post-operative care of elective cases of duodenal ulcer: a controlled study of 170 cases. Adekunle OO, et al. **Afr J Med Med Sci** 1979 Sep–Dec;8(3–4):85–8

Controls of gastric secretion. A roadmap to the choice of treatment for duodenal ulcer. Hirschowitz BI. **Am J Gastroenterol** 1982 May;77(5):281–93

Selective gastric vagotomy and drainage for duodenal ulcer: a 10–13-year follow-up study. Siim C, et al. **Ann Surg** 1981 Dec;194(6):687–91

Evaluation of vagotomy by the Hollander–Congo red test. Ziliotto A Jr, et al. **Surg Gynecol Obstet** 1982 Aug; 155(2):212–20

Highly selective vagotomy for chronic duodenal ulcer a clinical report. Raje D, et al. **West Indian Med J** 1981 Sep; 30(3):137–41

[The medical treatment of gastric ulcer and of duodenal ulcer in acute exacerbation (in the absence of complications) (author's transl)] Descos L. **Chirurgie** 1981 Jun;107(7):524–6 (Eng. Abstr.) **(Fre)**

[Treatment of gastro duodenal ulcer (author's transl)] Edelmann G, et al. **Chirurgie** 1981;107(6):402–6 (Eng. Abstr.) **(Fre)**

[Fundus (proximal) vagotomy for uncomplicated duodenal ulcer (author's transl)] Hautefeuille P. **Chirurgie** 1981 Jun; 107(7):533–5 (Eng. Abstr.) **(Fre)**

[Choice of therapy in uncomplicated gastric and duodenal ulcers, excluding the Zollinger–Ellison syndrome (author's transl)] Soulé JC. **Chirurgie** 1981 Jun;107(7):546–56 (Eng. Abstr.) **(Fre)**

[Treatment of perforated duodenal ulcers (author's transl)] Ladecky A, et al. **J Chir (Paris)** 1982 Jan;119(1):43–6 (Eng. Abstr.) **(Fre)**

[Clinical and secretory results of the highly selective vagotomy. Study of sixty cases (author's transl)] Cabrera JJ, et al. **Sem Hop Paris** 1981 Nov 8–25;57(41–42):1731–5 (Eng. Abstr.) **(Fre)**

[Proximal gastric vagotomy at a local hospital] Hansen MB, et al. **Tidsskr Nor Laegeforen** 1982 Jan 10;102(1):40–1 **(Nor)**

[Effect of subdiaphragmatic vagotomy on the pH profile of the wall of the gastrointestinal' tract of rats with chronic experimental duodenal ulcers] Tsibulevskiĭ AIu, et al. **Patol Fiziol Eksp Ter** 1982 Jan–Feb;(1):30–3 (Eng. Abstr.) **(Rus)**

[Peptic ulcer associated with reflux esophagitis and its treatment] Grigor'ev PIa, et al. **Sov Med** 1981;(8):30–4 (Eng. Abstr.) **(Rus)**

[Various aspects of reflexotherapy in peptic ulcer] Durinian RA, et al. **Ter Arkh** 1982;54(2):41–6 **(Rus)**

[Use of aminokrovin in the complex treatment of peptic ulcer] Splavskiĭ OI, et al. **Vopr Pitan** 1982 May–Jun;(3):13–5 **(Rus)**

DUODENITIS

Gastritis, duodenitis, and peptic ulcer disease: Fourth International Symposium. **J Clin Gastroenterol** 1981; 3(Suppl 2):1–184

BLOOD

[Content of blood proteins participating in iron metabolism in children with ulcer disease and gastroduodenitis] Mazurin AV, et al. **Sov Med** 1982;(3):18–22 **(Rus)**

COMPLICATIONS

[Gastroduodenal pathology in urinary tract diseases in children] Lobanova LA, et al. **Pediatriia** 1982 May;(5):26–8 **(Rus)**

DIAGNOSIS

Is gastroduodenitis part of the spectrum of peptic ulcer disease? DeLuca VA Jr, et al. **J Clin Gastroenterol** 1981; 3(Suppl 2):17–22

Functional and provocative tests for gastroduodenal disorders. Walsh JH. **J Clin Gastroenterol** 1981;3(Suppl 2):73–8

The diagnosis and classification of gastritis and duodenitis. Weinstein WM. **J Clin Gastroenterol** 1981;3(Suppl 2):7–16

Gastroduodenitis and peptic ulcer in a rural Liberian community. An endoscopic prospective study. Stahel E, et al. **Trop Geogr Med** 1981 Jun;33(2):155–60

[Clinico-endoscopic characteristics of gastroduodenal pathology in children] Kozhonazarov KK, et al. **Pediatriia** 1982 May;(5):9–11 **(Rus)**

[Evaluation of proteolytic activity in the stomach and duodenum in gastroduodenal pathology in children] Novik AV, et al. **Pediatriia** 1981 Dec;(12):15–8 (Eng. Abstr.) **(Rus)**

[Lymphocyte and gastric mucosal succinate dehydrogenase activity in digestive organ diseases of noninfectious etiology in children] Studenikin MIa, et al. **Pediatriia** 1981 Dec; (12):12–5 (Eng. Abstr.) **(Rus)**

[Duodenitis in adolescence (problems of diagnosis)] Matushkin OI, et al. **Ter Arkh** 1982;54(2):20–2 **(Rus)**

[Crohn disease of the stomach and duodenum (literature review)] Ponomarev AA. **Vrach Delo** 1981 Nov;(11):19–24 (99 ref.) **(Rus)**

[Chronic, non-specific duodenitis. Diagnostic use of endoscopy compared with biopsy] Vecilla MC, et al. **Rev Esp Enferm Apar Dig** 1981 Oct;60(4):351–6 (Eng. Abstr.) **(Spa)**

DRUG THERAPY

Cimetidine in the management of symptomatic patients with duodenitis: a double-blind controlled trial. Mackinnon M, et al. **Dig Dis Sci** 1982 Mar;27(3):217–9

[Treanntment of duodenal ulcers and gastroduodenitis with a herbal combination of Symphitum officinalis and Calendula officinalis with and without antacids] Chakürski I, et al. **Vutr Boles** 1981;20(6):44–7 (Eng. Abstr.) **(Bul)**

[Use of an herbal combination with laxative action on duodenal peptic ulcer and gastroduodenitis patients with a concomitant obstipation syndrome] Matev M, et al. **Vutr Boles** 1981;20(6):48–51 (Eng. Abstr.) **(Bul)**

[Pirenzepin in the treatment of duodenal bulbitis (author's transl)] Dítě P, et al. **Cas Lek Cesk** 1982 Mar 19; 121(11):347–8 (Eng. Abstr.) **(Cze)**

[Controlled clinical studies of the action of a drug combination in the pathology of the upper digestive tract] Crespi M, et al. **Minerva Dietol Gastroenterol** 1981 Oct–Dec;27(4):599–610 (Eng. Abstr.) **(Ita)**

[Effectiveness of using decamethoxine in chronic gastritis and gastroduodenitis combined with biliary tract diseases] Mokhun' IK, et al. **Vrach Delo** 1982 Apr;(4):23–6 **(Rus)**

[Use of ethonium in the combined treatment of chronic gastritis and gastroduodenitis associated with biliary tract diseases] Vladkovskiĭ IK, et al. **Vrach Delo** 1981 Mar; (3):38–41 (Eng. Abstr.) **(Rus)**

ETIOLOGY

Parasitic duodenitis. Corachan M, et al. **Trans R Soc Trop Med Hyg** 1981;75(3):385–8

[Duodenitis caused by Giardia lamblia] Gómez Maganda y Silva T, et al. **Rev Gastroenterol Mex** 1981 Jan–Mar; 46(1):11–5 (Eng. Abstr.) **(Spa)**

FAMILIAL & GENETIC

[Characteristics of the course of chronic gastroduodenitis in children with concomitant allergic reactions] Apostolov BG, et al. **Pediatriia** 1981 May;(5):19–21 **(Rus)**

IMMUNOLOGY

[Immunoglobulins of the duodenal secretion proper in gastroduodenitis with a past history of viral hepatitis] Makos' RP, et al. **Klin Med (Mosk)** 1981 Oct;59(10):73–5 (Eng. Abstr.) **(Rus)**

[Immunological shifts during the exacerbation of chronic gastroduodenitis in children] Bushuev SL. **Pediatriia** 1981 May;(5):18–9 **(Rus)**

PATHOLOGY

Duodenal mucosal architecture in non-specific and ulcer-associated duodenitis. Hasan M, et al. **Gut** 1981 Aug; 22(8):637–41

Measurements of intestinal villi non-specific and ulcer-associated duodenitis-correlation between area of microdissected villus and villus epithelial cell count. Hasan M, et al. **J Clin Pathol** 1981 Oct;34(10):1181–6

Duodenitis. Cockel R, et al. **Praxis** 1982 Mar 2;71(9):368–73

Crohn's disease of the duodenum. Thompson H, et al. **Praxis** 1982 Mar 2;71(9):374–7

[State of the duodenal and jejunal endocrine system in chronic duodenitis and enteritis in childhood] Paĭkov VL, et al. **Pediatriia** 1981 Dec;(12):18–21 (Eng. Abstr.) **(Rus)**

[Morphofunctional changes of the gastroduodenal region during experimental erosive-ulcerative gastroduodenitis] Vrublevskiĭ PK, et al. **Vrach Delo** 1981 Nov;(11):3–6 **(Rus)**

PHYSIOPATHOLOGY

[Use of an electrogastrographic study method for evaluating the effectiveness of the combined treatment of children with chronic gastroduodenitis] Bychkova MA, et al. **Pediatriia** 1981 May;(5):21–2 (Eng. Abstr.) **(Rus)**

[Current aspects of assessing the functional state of the hepatobiliary system in gastroduodenal diseases in children] Mazurin AV, et al. **Pediatriia** 1981 May;(5):7–11 (Eng. Abstr.) **(Rus)**

[Exocrine function of the pancreas in patients with secondary chronic gastroduodenitis] Khristich TN, et al. **Vrach Delo** 1981 Nov;(11):24–8 (Eng. Abstr.) **(Rus)**

SURGERY

[Diagnostic and therapeutic aspects of gastroduodenal Crohn disease] Merkle P, et al. **Chirurg** 1981 Dec;52(12):758–62 (Eng. Abstr.) **(Ger)**

DUODENOSCOPY

Serum gastrin levels following upper gastrointestinal endoscopy. Joske RA, et al. **Aust NZ J Med** 1981 Oct; 11(5):563–4

Duodenoscopic placement of biliary prostheses to relieve malignant obstructive jaundice. Cotton PB. **Br J Surg** 1982 Sep;69(9):501–3

Duodenoscopic sphincterotomy in the treatment of the 'sump syndrome'. Siegel JH. **Dig Dis Sci** 1981 Oct;26(10):922–8

An endoscopic study on the duodenal ulcer. An endoscopic classification of the duodenal ulcer and its clinical implications. Pan S, et al. **Taiwan I Hsueh Hui Tsa Chih** 1981 Aug;80(8):815–29

Analysis of fibreoptic gastroduodenoscopy in 1084 Ethiopians. Tsega E. **Trop Geogr Med** 1981 Jun; 33(2):149–54

[Treatment of choledocholithiasis and papillary stricture by fibroduodenoscopic sphincterotomy (author's transl)] An R. **Chung Hua Nei Ko Tsa Chih** 1981 Feb;20(2):75–7 **(Chi)**

[The value of endoscopy in the assessment of results supra-selective vagotomy (author's transl)] Rives J, et al. **Chirurgie** 1981;107(6):467–74 (Eng. Abstr.) **(Fre)**

[Endoscopic electrocoagulation of gastroduodenal hemorrhage. Experience with a suction electrode] Kempelen I, et al. **Orv Hetil** 1981 Dec 27;122(52):3211–4 **(Hun)**

[Chronic, non-specific duodenitis. Diagnostic use of endoscopy compared with biopsy] Vecilla MC, et al. **Rev Esp Enferm Apar Dig** 1981 Oct;60(4):351–6 (Eng. Abstr.) **(Spa)**

ADVERSE EFFECTS

Acute pancreatitis following gastrointestinal endoscopy without ampullary cannulation. Deschamps JP, et al. **Endoscopy** 1982 May;14(3):105–6

INSTRUMENTATION

Recent advances in the cleaning and disinfection of fibrescopes. Babb JR, et al. **J Hosp Infect** 1981 Dec; 2(4):329–40

METHODS

A new method for the endoscopic determination of gastrointestinal ulcer area. Dancygier H, et al. **Endoscopy** 1981 Sep;13(5):214–6

[Upper digestive fiberoptic endoscopy in children] Mougenot JF, et al. **Arch Fr Pediatr** 1981 Dec;38(10):807–14 (87 ref.) **(Fre)**

[Does emergency endoscopy effect the prognosis of acute hemorrhage of the upper gastrointestinal tract?] Erckenbrecht J, et al. **Internist (Berlin)** 1981 Dec; 22(12):744–8 **(Ger)**

[Endoscopic aspects of duodenal diseases in infancy and childhood (author's transl)] Burdelski M, et al. **Praxis** 1981 Nov 10;70(46):2056–63 (Eng. Abstr.) **(Ger)**

[Emergency endoscopy of the upper gastrointestinal tract and therapeutic endoscopic procedures in childhood (author's transl)] Paquet KJ. **Z Kinderchir** 1981 Jun; 33(2):122–7 (Eng. Abstr.) **(Ger)**

DUODENUM

Protein content of gastroduodenal juice: concentration and significance. Somos Z, et al. **Acta Med Acad Sci Hung** 1981; 38(2):135–43

The continuing clinical enigma of duodenal diverticulum. Manny J, et al. **Am J Surg** 1981 Nov;142(5):596–600

Myoepithelial hamartoma of Brunner's gland in the stomach [letter] Jacob CO, et al. **Gastrointest Endosc** 1982 Feb; 28(1):48–9

Duodenal bezoar: a case report and review of the literature. Madura MJ, et al. **Gastrointest Endosc** 1982 Feb;28(1):26–8

A study of pancreatic enzymes by duodenal intubation in normal subjects after prostigmine administration. Patney NL, et al. **Indian J Physiol Pharmacol** 1981 Apr–Jun; 25(2):144–50

Brunner's gland adenoma: diagnostic considerations. Maglinte DD, et al. **J Clin Gastroenterol** 1982 Apr; 4(2):127–31

[First-line exploration: fiberoptic gastroscopy or barium meal? A pragmatic evaluation (author's transl)] Pariente EA, et al. **Nouv Presse Med** 1981 Nov 21;10(42):3477–80 (Eng. Abstr.) **(Fre)**

[Multiple adenomas of Brunner's glands (author's transl)] Meister H, et al. **Zentralbl Allg Pathol** 1982;126(1–2):170–3 **(Ger)**

[Lactoferrin of duodenal juice in chronic pancreatitis (author's transl)] Ito K, et al. **Nippon Shokakibyo Gakkai Zasshi** 1981 Apr;78(4):914–22 (Eng. Abstr.) **(Jpn)**

[A simple and specific determination of duodenal chymotrypsin and its diagnostic value (author's transl)]

Mizuno R, et al. **Nippon Shokakibyo Gakkai Zasshi** 1982 Mar;79(3):858–63 (Eng. Abstr.) **(Jpn)**

[Appraisal of the use of duodenal aspirate in the bacteriologic diagnosis of cholecystitis] Burcoveanu C, et al. **Rev Med Chir Soc Med Nat Iasi** 1981 Apr–Jun;85(2):327–31 (Eng. Abstr.) **(Rum)**

[Diagnostic value of duodenal intubation] Kurshin MA. **Pediatriia** 1981 Sep;(9):57–8 **(Rus)**

[Foreign body of the duodenum causing compression of the terminal portion of the common bile duct] Rustamov IR, et al. **Vestn Khir** 1982 Apr;128(4):78–9 **(Rus)**

ABNORMALITIES

Duodenal duplication in the adult. Knight J, et al. **Mo Med** 1981 Oct;78(10):644–6

Food-stimulated gastroesophageal sphincter pressure in patients with abnormal duodenal loop compared with controls. Funch-Jensen P, et al. **Scand J Gastroenterol** 1981;16(4):527–30

[Duplication of the duodenum] Hansen PK, et al. **Ugeskr Laeger** 1981 Dec 7;143(50):3394–5 (Eng. Abstr.) **(Dan)**

[Duplications of the duodenum in the adult (author's transl)] Nicole A, et al. **Praxis** 1982 Feb 9;71(6):219–24 (Eng. Abstr.) **(Fre)**

[Stenosing abnormal configuration of the duodenum (author's transl)] Berthold S, et al. **Praxis** 1981 Nov 10;70(46):2091–3 (Eng. Abstr.) **(Ger)**

[Duplications of the duodenum (author's transl)] Hammer B, et al. **Praxis** 1981 Nov 10;70(46):2086–90 (Eng. Abstr.) **(Ger)**

[Duodenal diaphragm in adults (3 case reports) (author's transl)] Klaiber C, et al. **Praxis** 1981 Nov 10;70(46):2077–85 (Eng. Abstr.) **(Ger)**

[Intraduodenal diverticulum as a result of a congenital membrane] Bischof B, et al. **Zentralbl Chir** 1981; 106(19):1309–12 **(Ger)**

[Inverted duodenum. Embryology, pathogenesis. Report of a case] Cividanes JP, et al. **AMB** 1981 Aug;27(8):227–30 (Eng. Abstr.) **(Por)**

[Combination of cholelithiasis and peptic ulcer against a background of duodenal anomaly] Khizhniak VV, et al. **Klin Khir** 1981 Sep;(9):57–8 **(Rus)**

[Accessory pancreas in the wall of the stomach and duodenum] Kulemin VV, et al. **Klin Med (Mosk)** 1981; 59(7):15–8 **(Rus)**

[Accessory loops of a mobile duodenum] Sokolov AV, et al. **Klin Med (Mosk)** 1981 Feb;59(2):106–7 **(Rus)**

ANALYSIS

Composition and structure of rat Brunner's glands and gastric mucous glycoprotein. Smits HL, et al. **Adv Exp Med Biol** 1982;144:159–61

Isolation and partial characterization of rat duodenal-gland (Brunner's-gland) mucus glycoprotein. Smits HL, et al. **Biochem J** 1982 Jun 1;203(3):779–85

Determination of transferrin-like immunoreactivity in the mucosal homogenate of the duodenum, jejunum, and ileum of normal and iron deficient rats. Osterloh K, et al. **Blut** 1981 Oct;43(4):227–35

Detection of vitamin D-dependent calcium-binding protein in the region of apical glycocalyx of chick enterocytes. Galvanovsky YY, et al. **FEBS Lett** 1981 Aug 31; 131(2):359–62

Primary Translation product of mRNA coding for rat duodenal vitamin D-dependent calcium-binding protein. Thomasset M, et al. **FEBS Lett** 1981 Nov 16;134(2):178–82

Localization of motilin-containing cells in the intestinal tract of mammals: a further comparison using region-specific motilin antisera. Smith PH, et al. **Gen Comp Endocrinol** 1981 Jul;44(3):288–91

Postembedding staining of Brunner's gland with lectin-ferritin conjugates. Suzuki S, et al. **J Histochem Cytochem** 1981 Aug;29(8):946–52

Histamine receptors in the guinea-pig duodenum. Bertaccini G, et al. **J Pharm Pharmacol** 1981 Sep;33(9):590–3

Isolation and structure of dynorphin, an opioid peptide, from porcine duodenum. Tachibana S, et al. **Nature** 1982 Jan 28;295(5847):339–40

Mucosal secretion of the duodenum in peptic ulcer disease. Koizumi F, et al. **Tohoku J Exp Med** 1981 Mar;133(3):301–5

ANATOMY & HISTOLOGY

Relationships between pancreaticobiliary ductal anatomy and pancreatic ductal and parenchymal histology. DiMagno EP, et al. **Cancer** 1982 Jan 15;49(2):361–8

The suspensory muscle of the duodenum. Repciuc E, et al. **Morphol Embryol (Bucur)** 1981 Apr–Jun;27(2):123–6

BLOOD SUPPLY

Therapeutic embolization of the gastroduodenal artery in hepatic artery infusion chemotherapy. Kuribayashi S, et al. **AJR** 1981 Dec;137(6):1169–72

Pancreatic polypeptide in acute pancreatitis and small-bowel infarction in dogs. Pappas TN, et al. **Dig Dis Sci** 1981 Nov; 26(11):1013–8

Duodenal varices: endoscopic diagnosis of an unusual source of upper gastrointestinal hemorrhage. Rappazzo JA, et al. **Gastrointest Endosc** 1981 Nov;27(4):227–8

Ruptured mycotic aneurysm of the inferior pancreaticoduodenal artery. Poon HK. **J Arkansas Med Soc** 1981 Oct;78(5):184–8 (22 ref.)

Effect of timepidium bromide, an anticholinergic agent, on gastric and duodenal blood flow distribution in rabbits. Naito K, et al. **Jpn J Pharmacol** 1982 Feb;32(1):73–80

Arterio venous malformations of the duodenum: a report of three cases. Criado FJ, et al. **Md State Med J** 1982 Apr; 31(4):63–5

[Hemodynamics of the gastroduodenal circulation (author's transl)] Rau W. **Langenbecks Arch Chir** 1981;354(4):281–91 (Eng. Abstr.) **(Ger)**

[Duodenal varices (author's transl)] Rösch W. **Praxis** 1981 Nov 10;70(46):2098–100 (Eng. Abstr.) **(Ger)**

[Gastrointestinal hemorrhage caused by rupture of an aneurysm of the pancreaticoduodenal artery] Saenko VF, et al. **Klin Khir** 1981 Aug;(8):77–8 **(Rus)**

[Kallikrein-kinin system of the blood and bulbar microcirculation in peptide ulcer] Kerimov GM, et al. **Sov Med** 1981;(6):21–5 (Eng. Abstr.) **(Rus)**

[Ultrastructure of the microcirculatory network of the duodenal mucosa in duodenal ulcer] Iumashkina AG, et al. **Ter Arkh** 1982;54(3):120–4 (Eng. Abstr.) **(Rus)**

[Visceral circulatory state in experimental stenosis of the celiac trunk] Potashov LV, et al. **Vestn Khir** 1981 Nov; 127(11):21–4 (Eng. Abstr.) **(Rus)**

CYTOLOGY

A study of two enteroendocrine cells in the duodenum of the gerbil-Meriones unguiculatus. Kapur SP. **Acta Anat (Basel)** 1982;112(2):97–104

Morphological and histochemical observations on the duodenal glands of eight wild ungulate species native to North America. Krause WJ. **Am J Anat** 1981 Oct; 162(2):167–81

Whole population cell kinetics of mouse duodenal, jejunal, ileal, and colonic epithelia as determined by radioautometry and flow cytometry. Cheng H, et al. **Anat Rec** 1982 Jun;203(2):251–64

Effect of fixation on the light microscopical visualization of mast cells in the mucosa and connective tissue of the human duodenum. Ruitenberg EJ, et al. **Int Arch Allergy Appl Immunol** 1982 Mar;67(3):233–8

Immunohistochemical studies on enteric substance P of extrinsic origin in the cat. Hayashi H, et al. **J Auton Nerv Syst** 1982 Mar;5(2):207–17

An improved method for combined autoradiography and histochemistry: the simultaneous detection of 6-3H thymidine and acid phosphatase activity in cryostat sections of mouse thymus and duodenum. Lewis GH, et al. **J Microsc** 1982 May;126(Pt 2):183–9

Paneth cells in the pig-a controversial issue [letter] Myer MS. **J S Afr Vet Assoc** 1982 Mar;53(1):69

[Interepithelial lymphocytes in human gastric and duodenal mucosa] Aruin LI, et al. **Arkh Anat Gistol Embriol** 1982 Apr;82(4):58–61 (Eng. Abstr.) **(Rus)**

DRUG EFFECTS

Effect of intraduodenal load of endogenous acid on secretin release in patients with peptic ulcer. Kurokawa M, et al. **Am J Gastroenterol** 1982 Jul;77(7):471–6

Effects of betazole hydrochloride and cimetidine on common bile pressure and duodenal myoelectric activity in the dog. Maples MD, et al. **Am Surg** 1981 Dec;47(12):519–21

Dose-dependent stimulation of antroduodenal coordination by domperidone via specific dopamine-receptors. Schuurkes JA, et al. **Arch Int Pharmacodyn Ther** 1982 Apr; 256(2):311–4

Thyroxine-stimulated synthesis of microvillus membrane glycoproteins during culture of chick embryonic duodenum. Yoneyama Y, et al. **Biochim Biophys Acta** 1982 Jan 26;696(1):23–30

Cysteamine-induced inhibition of acid neutralization and the increase in hydrogen ion back-diffusion in duodenal mucosa. Ohe K, et al. **Dig Dis Sci** 1982 Mar;27(3):250–6

(Gln4)-neurotensin changes the motility pattern of the duodenum and proximal jejunum from a fasting-type to a fed-type. Thor K, et al. **Gastroenterology** 1982 Sep; 83(3):569–74

Effects of 24 hours of aspirin, Bufferin, paracetamol and placebo on normal human gastroduodenal mucosa. Hoftiezer JW, et al. **Gut** 1982 Aug;23(8):692–7

Morphine: a dual effect at the canine choledochoduodenal junction. Johnson EE. **J Pharmacol Exp Ther** 1981 Oct; 219(1):274–80

Long term effects of H2-receptor antagonists (cimetidine and ranitidine) on the human gastric and duodenal mucosa. Ribet A, et al. **Scand J Gastroenterol [Suppl]** 1981;70:155–74

[Effect of pentagastrin on the periodic activity of gastroduodenal organs in dogs with intact and disrupted innervation of the stomach] Lebedev NN, et al. **Biull Eksp Biol Med** 1981 Nov;92(11):539–42 (Eng. Abstr.) **(Rus)**

[Effect of prolonged administration of prednisolone on the functional and morphological state of mast cells in the gastric and duodenal mucosa] Uspenskii VM, et al. **Farmakol Toksikol** 1981 Sep–Oct;44(5):594–7 **(Rus)**

[Organic secretory and motor reactions of the gastroduodenal area to pentagastrin in experimental pancreatitis in the dog] Lebedev NN, et al. **Patol Fiziol Eksp Ter** 1982 Mar–Apr; (2):51–7 (Eng. Abstr.) **(Rus)**

EMBRYOLOGY

Biochemical characterization of 1,25(OH)2D3 receptors in chick embryonal duodenal cytosol. Seino Y, et al. **Calcif Tissue Int** 1982 May;34(3):265–9

ENZYMOLOGY

Stability of pancreatic enzyme activities in duodenal juice after pancreatic stimulation by a test meal or exogenous hormones. Muller DP, et al. **Ann Clin Biochem** 1982 Mar; 19(Pt 2):89–93

Ornithine decarboxylase activity in chick duodenum induced by 1 alpha, 25-dihydroxycholecalciferol. Shinki T, et al. **Biochem J** 1981 Jun 1;195(3):685–90

Phosphorylated intermediates of Ca2+ -ATPase and alkaline phosphatase in plasma membranes from rat duodenal epithelium. De Jonge HR, et al. **Biochim Biophys Acta** 1981 Sep 21;647(1):140–9

Significance of duodenal disaccharidases. A comparative study of duodenal and jejunal values. Bergoz R, et al. **Digestion** 1981;22(2):108–12

Effect of pancreozymin anu secretin on intraluminal enterokinase, trypsin, and chymotrypsin activities of cystic fibrosis and control children. Lebenthal E, et al. **Digestion** 1982;23(1):39–47

Immunoactive trypsins in duodenal juice from children with gastrointestinal disorders. Borulf S, et al. **Gut** 1982 Jul; 23(7):564–8

Intestinal microflora and aging: age-related change of enzymes in the liver and the small intestine of germ-free and conventional rats. Yazawa K, et al. **Mech Ageing Dev** 1981 Oct;17(2):173–82

[Significance of disaccharidase assays in endoscopic biopsies from the duodenum (author's transl)] Bergoz R, et al. **Praxis** 1981 Aug 18;70(34):1453–5 (Eng. Abstr.) **(Fre)**

[Pepsinogen activity of human gastro-duodenal mucosa in biopsy specimens--using the methods of succinylated albumin as substrate (author's transl)] Miki K, et al. **Nippon Shokakibyo Gakkai Zasshi** 1981 Nov; 78(11):2079–86 (Eng. Abstr.) **(Jpn)**

[Diagnostic importance of determining intraduodenal proteolytic activity in the exacerbation of chronic pancreatitis] Masevich TsG, et al. **Klin Med (Mosk)** 1982 Mar;60(3):59–62 **(Rus)**

[Method for the complex simultaneous study of gastric and duodenal function] Panfilov DN. **Lab Delo** 1982;(2):67–8 (Eng. Abstr.) **(Rus)**

[Evaluation of proteolytic activity in the stomach and duodenum in gastroduodenal pathology in children] Novik AV, et al. **Pediatriia** 1981 Dec;(12):15–8 (Eng. Abstr.) **(Rus)**

GROWTH & DEVELOPMENT

Histology and mucosubstances histochemistry of the duodenum in suckling, prepuberal and puberal zebus (Bos indicus). Nogueira JC, et al. **Anat Anz** 1981;149(5):437–45

IMMUNOLOGY

Pancreozymin and secretin enhance duodenal fluid antibody levels to cow's milk proteins. Shah PC, et al. **Gastroenterology** 1982 Oct;83(4):916–21

[Data to the gastrointestinal defense mechanism. The role of the local immunity (author's transl)] Somos S, et al. **Dermatol Monatsschr** 1981 Sep;167(9):573–8 (Eng. Abstr.) **(Ger)**

[Immunoglobulins of the duodenal secretion proper in gastroduodenitis with a past history of viral hepatitis] Makos' RP, et al. **Klin Med (Mosk)** 1981 Oct;59(10):73–5 (Eng. Abstr.) **(Rus)**

INJURIES

Management and complications of duodenal injuries. Ghuman SS, et al. **Am Surg** 1982 Mar;48(3):109–13

Traumatic duodenal injuries. Chew KH, et al. **Ann Acad Med Singapore** 1981 Apr;10(2):194–7

Management of duodenal injury. Hua JD, et al. **Chin Med J [Engl]** 1982 Mar;95(3):191–3

A test to help diagnosis of rupture in the injured duodenum. Brotman S, et al. **Injury** 1981 May;12(6):464–5

Surgical management of duodenal injury. Abu-Dalu K, et al. **Int Surg** 1981 Apr–Jun;66(2):171–3

[Traumatic retroperitoneal rupture of duodenum (author's transl)] Wang ZP. **Chung Hua Wai Ko Tsa Chih** 1980 Apr; 18(2):132–3 **(Chi)**

[Duodenal perforation into the retroperitoneal space. Rare complication of endoscopic papillotomy] Dolder A, et al. **ROFO** 1981 Sep;135(3):367–8 **(Ger)**

[Acid and alkali burns of the esophagus, stomach and duodenum] Widmer F, et al. **Schweiz Med Wochenschr** 1982 May 22;112(21):742–50 (Eng. Abstr.) **(Ger)**

[Diagnostic delay of abdominal injuries due to alcoholic intoxication. subtotal rupture of the stomach from the duodenum] Schmidt A. **Zentralbl Chir** 1981;106(6):392–4 **(Ger)**

[Duodenal rupture due to blunt trauma (author's transl)] Oba S. **Rinsho Hoshasen** 1981 Nov;26(12):1355–6 **(Jpn)**

[Closed injuries of the duodenum] Vitsyn BA, et al. **Khirurgiia (Mosk)** 1981 Sep;(9):42–4 (Eng. Abstr.) **(Rus)**

[Injury to the duodenum and right kidney pelvis in multiple knife wounds of the abdomen] Bocharov IuV, et al. **Vestn Khir** 1982 May;128(5):75–6 **(Rus)**

[Favorable outcome of combined injuries of the vena cava inferior, pancreas and small intestine] Sysuev GN, et al. **Vestn Khir** 1981 Sep;127(9):88–9 **(Rus)**

[Injuries to the duodenum] Usov DV, et al. **Vestn Khir** 1982 Jan;128(1):86–91 (Eng. Abstr.) **(Rus)**

[Closed injuries of the retroperitoneal portion of the duodenum] Vuković M. **Acta Chir Iugosl** 1982;29(1):41–6 (Eng. Abstr.) **(Scr)**

INNERVATION

Analysis of the innervation of the gastroduodenal region. Papasova M, et al. **Acta Physiol Pharmacol Bulg** 1981; 7(4):3–9

Effect of spinal ganglionectomy on substance P-like immunoreactivity in the gastroduodenal tract of cats. Hayashi H, et al. **Brain Res** 1982 Jan 28;232(1):227–30

Characterization of the neurons of the submucosal ganglia of the choledocho–duodenal junction of the cat. Kyösola K, et al. **Cell Mol Biol** 1981;27(2–3):139–46

Vasoactive intestinal polypeptidergic nerves and Brunner's gland secretion in the rat. Kirkegaard P, et al. **Gastroenterology** 1981 Nov;81(5):872–8

Degeneration of axons in the ureteric and duodenal nerve plexuses of the adult rat following in vivo treatment with capsaicin. Hoyes AD, et al. **Neurosci Lett** 1981 Aug 7; 25(1):19–24

METABOLISM

Tricaine (MS–222) induced modification on the metabolism of foreign compounds in the liver and duodenal mucosa of the splake (Salvelinus fontinalis X Salvelinus namaycush). Laitinen M, et al. **Acta Pharmacol Toxicol (Copenh)** 1981 Aug;49(2):92–7

The neutral carbohydrate chains of gastric and duodenal mucosubstances. Hough L, et al. **Adv Exp Med Biol** 1982; 144:137–9

The effect of dietary zinc on intestinal copper absorption. Fischer PW, et al. **Am J Clin Nutr** 1981 Sep;34(9):1670–5

Calcium transport in the ileum of uremic rats. Koller M, et al. **Am J Physiol** 1982 Feb;242(2):G128–34

Transport of calcium by duodenum of spontaneously hypertensive rat. Toraason MA, et al. **Am J Physiol** 1981 Oct;241(4):G344–7

Evidence for a 1,25–dihydroxycholecalciferol–dependent spermine–binding protein in chick duodenal mucosa. Mezzetti G, et al. **Biochem Biophys Res Commun** 1981 Sep 16;102(1):287–94

Oxygen–dependent 1,25–dihydroxycholecalciferol–induced calcium ion transport in rat intestine. Kendrick NC, et al. **Biochem J** 1981 Jan 15;194(1):178–86

Calcium uptake in isolated brush–border vesicles from rat small intestine. Miller A 3d, et al. **Biochem J** 1981 May 15;196(2):391–401

Duodenal pepsinogens in experimental duodenal ulcer in rats. Mangla JC, et al. **Biochem Med** 1982 Feb;27(1):82–5

Spectral and other studies on the intestinal haem receptor of the pig. Gräsbeck R, et al. **Biochim Biophys Acta** 1982 Jan 18;700(2):137–42

Comparison of benzo(a)pyrene metabolism in bronchus, esophagus, colon, and duodenum from the same individual. Autrup H, et al. **Cancer Res** 1982 Mar;42(3):934–8

Potential peptic activity of pepsinogen of human gastroduodenal mucosa determined by fluorescent microassay method using succinyl albumin. Miki K, et al. **Clin Chim Acta** 1982 Jun 3;121(3):337–44

Gastrointestinal metabolism of gallium and indium: effect of iron deficiency. Valberg LS, et al. **Clin Invest Med** 1981; 4(2):103–8

Absorption of iron from gut into blood: sex– and time–related studies in rats. Richter GW, et al. **Experientia** 1982 May 15;38(5):583–5

Effect of feeding zinc–deficient Bengal gram (Cicer arietenum) diet to rats on the in vitro absorption of L–histidine monohydrochloride. Verma U, et al. **Experientia** 1981 Dec 15;37(12):1295

Molecular and transport effects of 1,25–dihydroxyvitamin D3 in rat duodenum. Bronner F, et al. **Fed Proc** 1982 Jan; 41(1):61–5

Role of changes in membrane lipid structure in the action of 1,25–dihydroxyvitamin D3. Rasmussen H, et al. **Fed Proc** 1982 Jan;41(1):72–7

Prostacyclin content of gastric and duodenal biopsies. Rózsa I, et al. **Gastroenterol Jpn** 1982;17(1):1–3

Kinetics of calcium transport in the hamster duodenum and ileum. Iskandarani M, et al. **Gastroenterology** 1981 Nov; 81(5):903–9

Evidence that gastrin 34 is preferentially released from the human duodenum. Lamers CB, et al. **Gastroenterology** 1982 Jul;83(1 Pt 2):233–9

Cholecystokinin–like activity in the duodenal mucosa of duodenal ulcer patients. Kataoka S. **Gut** 1982 May; 23(5):390–7

Duodenal calcium binding protein: induction by 1, 25 dihydroxy vitamin D3 in in vivo & in vitro. Singh RP, et al. **Indian J Exp Biol** 1982 Feb;20(2):107–11

Transport of vitamin D3 from rat intestine. Evidence for transfer of vitamin D3 from chylomicrons to alpha–globulins. Dueland S, et al. **J Biol Chem** 1982 Jan 10;257(1):146–50

Increased tissue concentrations of histamine in the duodenal mucosa of children with coeliac disease. Challacombe DN, et al. **J Clin Pathol** 1982 Jun;35(6):596–8

Experimental protein malnutrition decreases calcium–binding protein in rat intestinal mucosa. Gleason WA, et al. **J Nutr** 1982 Aug;112(8):1609–13

A micro–electrode study of oligopeptide absorption by the small intestinal epithelium of Necturus maculosus. Boyd CA, et al. **J Physiol (Lond)** 1982 Mar;324:411–28

Cytotoxic effects and metabolism of benzo[a]pyrene and 7,12–dimethylbenz[a]anthracene in duodenal and ileal epithelial cell cultures. Quaroni A, et al. **JNCI** 1981 Dec; 67(6):1353–62

The role of duodenal mucosal ferritin in controlling iron absorption in rats. Setsuda T, et al. **Nippon Ketsueki Gakkai Zasshi** 1981 Jul;44(4):819–27

Intestinal calcium–binding protein in the developing rat duodenum. Gleason WA Jr, et al. **Pediatr Res** 1982 Jun; 16(6):403–6

Purification of chicken intestinal receptor for 1 alpha, 25–dihydroxyvitamin D3 to apparent homogeneity. Simpson RU, et al. **Proc Natl Acad Sci USA** 1982 Jan; 79(1):16–20

Stimulation of duodenal epithelial HCO3– transport in the guinea pig and cat by luminal prostaglandin E2. Flemström G, et al. **Prostaglandins** 1981;21 Suppl:47–52

Influence of luminal acidification on bicarbonate transport by gastric and duodenal isolated mucosae. Heylings JR, et al. **Prostaglandins** 1981;21 Suppl:67–71

Effects of solution of low pH and taurocholate on release of beta–endorphin–like immunoreactivity from human duodenal mucosa in vitro. Matsumura M, et al. **Regul Pept** 1982 Mar;3(3–4):173–81

The molecular nature of vascularly released cholecystokinin from the isolated perfused porcine duodenum. Rehfeld JF, et al. **Regul Pept** 1982 Jan;3(1):15–28

Glucose–induced release of immunoreactive gastric inhibitory polypeptide (IR–GIP) into the duodenal lumen in man. Jorde R, et al. **Scand J Gastroenterol** 1981; 16(5):653–6

DNA synthesis in human duodenal biopsies maintained in organ culture. Fluge G, et al. **Virchows Arch [Cell Pathol]** 1981;38(2):141–8

[Homeostasis of glucose and gastric resection. The influence of the food passage through the duodenum (author's transl)] Bittner R, et al. **Z Gastroenterol** 1981 Nov;19(11):698–707 (Eng. Abstr.) **(Ger)**

[A study on continuous simultaneous recordings of gastrointestinal motility and intraduodenal pH in human healthy subjects (author's transl)] Nishioka T, et al. **Nippon Shokakibyo Gakkai Zasshi** 1981 Nov; 78(11):2065–73 (Eng. Abstr.) **(Jpn)**

[Effects of lidocaine upon CCK–PZ and secretin producing paraneurons in the canine duodenum responding to luminal chemical stimuli (author's transl)] Sato K, et al. **No To Shinkei** 1982 Apr;34(4):375–81 (Eng. Abstr.) **(Jpn)**

[Effect of a paste–like diet on the formation of the enteric environment during natural digestion] Briuzgina MI, et al. **Kosm Biol Aviakosm Med** 1981;15(3):85–7 **(Rus)**

[Diagnostic importance of duodenal content indices in inflammatory and functional diseases of the gastroduodenal and biliary system in children] Kozhonazarov KK, et al. **Pediatriia** 1981 Jul;(7):69–71 **(Rus)**

[Dependence between the rate of RNA synthesis and the CTP–synthetase activity of different rat and chicken tissue] Kokunin VA, et al. **Ukr Biokhim Zh** 1981 Nov–Dec; 53(6):54–7 (Eng. Abstr.) **(Rus)**

MICROBIOLOGY

Endoscopic aspiration of duodenal juice in the diagnosis of small bowel bacterial colonisation. Hamilton I, et al. **Endoscopy** 1982 May;14(3):89–91

Correlation of growth depression of chicks with the presence of Streptococcus faecium in the gut. Houghton SB, et al. **J Appl Bacteriol** 1981 Aug;51(1):113–20

Age–dependent rotavirus–enterocyte interactions. Riepenhoff–Talty M, et al. **Proc Soc Exp Biol Med** 1982 Jun;170(2):146–54

[Bacteriological findings in the upper gastrointestinal tract of children] Klimmt G, et al. **Kinderarztl Prax** 1981 Sep; 49(9):466–73 (Eng. Abstr.) **(Ger)**

[Microflora of the gastric and duodenal mucosa in peptic ulcer] Sytnik SI. **Klin Khir** 1981 Aug;(8):21–4 (Eng. Abstr.) **(Rus)**

PARASITOLOGY

Filtration of duodenal fluid for the diagnosis of opisthorchiasis. Feldmeier H, et al. **Ann Trop Med Parasitol** 1981 Aug;75(4):463–5

[Our experience of diagnosing giardiasis with the techniques of coprology and duodenal juice tests (author's transl)] Skračiková J, et al. **Cas Lek Cesk** 1982 Apr 16; 121(15):467–9 (Eng. Abstr.) **(Slo)**

PATHOLOGY

Crohn's disease in endoscopic biopsies of the gastric antrum and duodenum. Korelitz BI, et al. **Am J Gastroenterol** 1981 Aug;76(2):103–9

Brunner's gland adenoma of the duodenal bulb. Peison B, et al. **Am J Gastroenterol** 1982 Apr;77(4):276–8

Gastric secretion, gastroduodenal histological changes, and serum gastrin in chronic alcoholic pancreatitis. Piubello W, et al. **Am J Gastroenterol** 1982 Feb;77(2):105–10

Automated analysis of morphological change in the duodenal mucosa of children with coeliac disease. Tulloh EA, et al. **Arch Dis Child** 1981 Nov;56(11):860–3

Obstructing hamartoma of Brunner's glands of the duodenum. Strutynsky N, et al. **Dig Dis Sci** 1982 Mar; 27(3):279–82

Endoscopic small intestinal biopsy. Scott BB, et al. **Gastrointest Endosc** 1981 Aug;27(3):162–7

Duodenal mucosal architecture in non–specific and ulcer–associated duodenitis. Hasan M, et al. **Gut** 1981 Aug; 22(8):637–41

Enteropathy of coeliac disease in adults: increased number of enterochromaffin cells the duodenal mucosa. Sjölund K, et al. **Gut** 1982 Jan;23(1):42–8

Measurements of intestinal villi non–specific and ulcer–associated duodenitis–correlation between area of microdissected villus and villus epithelial cell count. Hasan M, et al. **J Clin Pathol** 1981 Oct;34(10):1181–6

Ethanol induced duodenal lesions in man. Protective effect of prostaglandin. Tarnawski A, et al. **Prostaglandins** 1981; 21 Suppl:147–53

Morphological and morphometric assessment of human duodenal biopsies maintained in organ culture. In vitro influences of gluten in coeliac disease. Fluge G, et al. **Scand J Gastroenterol** 1981;16(4):555–67

Brunner's glands of the rat during cysteamine ulceration. Poulsen SS, et al. **Scand J Gastroenterol** 1981;16(4):459–64

Mitotic rate and mitotic time in coeliac and non–coeliac duodenal biopsies maintained in organ culture. Fluge G, et al. **Virchows Arch [Cell Pathol]** 1981;38(2):159–67

Evidence against a systemic humoral factor controlling the intestinal compensatory response following X–irradiation. Sharp JG, et al. **Virchows Arch [Cell Pathol]** 1981; 37(1):71–8

Relationship between diseases of the pancreas and hyperplasia of Brunner's glands. Stolte M, et al. **Virchows Arch [Pathol Anat]** 1981;394(1–2):75–87

[Abnormalities of the duodenal mucosa in diseases of the small intestine (author's transl)] Hofstetter JR, et al. **Praxis** 1981 Aug 18;70(34):1456–9 (Eng. Abstr.) **(Fre)**

[Megaduodenum in stenosing duodenal cancer] Hölscher AH. **Chirurg** 1981 Dec;52(12):786–8 **(Ger)**

[Lipid islands in the duodenum (author's transl)] Clémençon G, et al. **Praxis** 1981 Aug 18;70(34):1470–1 **(Ger)**

[Mucosal findings of duodenum in Waldenstrom's disease (author's transl)] Müller M. **Zentralbl Allg Pathol** 1981; 125(5):429–32 (Eng. Abstr.) **(Ger)**

[The role of duodenal erosions in bleeding of the gastrointestinal tract] Preisich P, et al. **Orv Hetil** 1981 Dec 6;122(49):3015–9 **(Hun)**

[Peroral duodeno–jejunal biopsy in children. Indications and personal cases] de Angelis GL, et al. **Acta Biomed Ateneo Parmense** 1981;52(2–3):165–73 (Eng. Abstr.) **(Ita)**

[Endoscopic jejunal biopsy in child chronic malabsorption (author's transl)] Paterlini A, et al. **Pediatr Med Chir** 1981 Sep–Oct;3(5):407–9 **(Ita)**

[Morphological changes in the gastric and duodenal mucosa after bile drainage into the stomach] Matveenko ME, et al. **Klin Khir** 1981 Sep;(9):60 **(Rus)**

[Characteristics of the mucosal changes in the gastroduodenal system in chronic nonspecific lung diseases] Zhits MZ, et al. **Klin Med (Mosk)** 1982 Apr;60(4):29–31 **(Rus)**

[State of the duodenal and jejunal endocrine system in chronic duodenitis and enteritis in childhood] Palkov VL, et al. **Pediatriia** 1981 Dec;(12):18–21 (Eng. Abstr.) **(Rus)**

[Gastric and duodenal mucosa in diseases of the large intestine] Ermakov EV, et al. **Sov Med** 1981;(12):25–8 (Eng. Abstr.) **(Rus)**

[Morphofunctional changes of the gastroduodenal region during experimental erosive–ulcerative gastroduodenitis] Vrublevskii PK, et al. **Vrach Delo** 1981 Nov;(11):3–6 **(Rus)**

PHYSIOLOGY

Changes in the myoelectric complex of the stomach and the small intestine under the influence of the intrinsic nervous system. Atanassova E, et al. **Acta Physiol Pharmacol Bulg** 1981;6(3):11–8

Effect of intraantral and intrabulbar pH on somatostatin–like immunoreactivity in peripheral venous blood of conscious dogs. The possible function of somatostatin as an inhibitory hormone of gastric acid secretion and its possible identity with bulbogastrone and antral chalone. Uvnäs–Wallensten K, et al. **Acta Physiol Scand** 1981 Apr;111(4):397–408

Presence of duodenopancreatic feedback in minipigs and possible interference from the bile. Vantini I, et al. **Am J Gastroenterol** 1982 Mar;77(3):154–7

Blood sugar oscillations and duodenal migrating myoelectric complexes. Fioramonti J, et al. **Am J Physiol** 1982 Jan; 242(1):G15–20

Gastric emptying and postprandial duodenogastric reflux in pylorectomized dogs. Müller–Lissner SA, et al. **Am J Physiol** 1982 Jan;242(1):G9–14

Duodenogastric reflux in the dog. Sonnenberg A, et al. **Am J Physiol** 1982 Jun;242(6):G603–7

Effect of liquid meals on duodenogastric reflux in humans. Sonnenberg A, et al. **Am J Physiol** 1982 Jul;243(1):G42–7

Bicarbonate absorption by in vitro amphibian small intestine. White JF, et al. **Am J Physiol** 1981 Nov;241(5):G389–96

Factors affecting food intake in the domestic chicken: the

effect of infusions of nutritive and non-nutritive substances into the crop and duodenum. Shurlock TG, et al. **Br Poult Sci** 1981 Jul;22(4):323-31

Glucagon immunoreactivity and antidiabetic action of somatostatin in the totally duodeno-pancreatectomized and gastrectomized human. Bringer J, et al. **Diabetes** 1981 Oct; 30(10):851-6

Release of avian pancreatic polypeptide by various intraluminal contents in the stomach, duodenum, or ileum of turkeys. Duke GE, et al. **Dig Dis Sci** 1982 Sep; 27(9):782-8

Effects of duodenal perfusion with sodium taurocholate on biliary and pancreatic secretion in man. Björnsson OG, et al. **Eur J Clin Invest** 1982 Apr;12(2):97-105

Modifications in gastroduodenal motility induced by the extramucosal section of circular duodenal musculature in dogs. Bortolotti M, et al. **Gastroenterology** 1981 Nov; 81(5):910-4

Inhibition of canine duodenal interdigestive myoelectric complex by nutrient perfusion of jejunal and ileal Thirty-Vella loops. Schang JC, et al. **Gut** 1981 Sep; 22(9):738-43

Immunoneutralization of motilin. Borody T, et al. **Horm Metab Res** 1981 Aug;13(8):470-1

Pattern recognition of canine duodenal contractile activity. Reddy SN, et al. **IEEE Trans Biomed Eng** 1981 Oct; 28(10):696-701

The interplay between hydrogen ions, bicarbonate ions and osmolality in the anterior duodenum modulating gastric function in the conscious calf. Bell FR, et al. **J Physiol (Lond)** 1981 May;314:331-41

Gastric pH changes associated with duodenal motility in fasted dogs. Bueno L, et al. **J Physiol (Lond)** 1981 Jul; 316:319-25

Effect of duodenal cannulation on abomasal emptying and secretion in the preruminant calf. Sissons JW, et al. **J Physiol (Lond)** 1982 Jan;322:409-17

Chloride transport and intracellular chloride activity in the presence of theophylline in Amphiuma small intestine. White JF. **J Physiol (Lond)** 1981 Dec;321:331-41

Effect of duodenal cooling on small intestinal pacing. Berg KR, et al. **Mayo Clin Proc** 1982 Aug;57(8):511-4

Lack of CCK-like pancreatic stimulation by intraduodenal amino acids in the anesthetized cat. Johnson C, et al. **Peptides (Fayetteville)** 1982 Mar-Apr;3(2):129-31

Computer analysis of mechanical activity of gastroduodenal junction in unanaesthetized dogs. Ehrlein HJ, et al. **Q J Exp Physiol** 1982 Jan;67(1):17-29

Esophageal and duodenal approach for testing duodenogastric reflux in dogs. Hollinger A, et al. **Res Exp Med (Berl)** 1982;180(2):139-46

Serum pancreatic polypeptide responses to food and secretion in patients with Billroth I and Billroth II gastrectomies and in normal subjects. Lamers CB, et al. **Surgery** 1982 Mar;91(3):288-92

Motor and electrical activity of the gastroduodenal junction before and after submucosal pyloroplasty. Reiser SB, et al. **World J Surg** 1982 Mar;6(2):231-5

[Relations between the electric activity of the pyloric sphincter and activities of the stomach and duodenum] Papazova MP, et al. **Fiziol Zh SSSR** 1982 Apr;68(4):470-7 (Eng. Abstr.) **(Rus)**

PHYSIOPATHOLOGY

[Duodenogastric reflux and stomach ulcer in chronic liver and biliary tract diseases] Koba S, et al. **Pol Tyg Lek** 1981 Jul 20;36(29):1099-101 (Eng. Abstr.) **(Pol)**

[Acid-peptic activity and mechanisms of resistance of the duodenal mucosa in children with gastroduodenal diseases] Novik AV, et al. **Pediatriia** 1982 May;(5):6-9 **(Rus)**

[Possibilities of x-ray examination in evaluation of the functional state of the stomach and duodenum in patients with duodenal ulcer] Neporent MI. **Ter Arkh** 1982; 54(3):117-20 (Eng. Abstr.) **(Rus)**

[Interrelation of duodenal motility and pancreatic enzyme activity in pancreatitis] Karaman NV, et al. **Vrach Delo** 1982 Feb;(2):25-8 **(Rus)**

RADIATION EFFECTS

[Radiation injury to the duodenum (author's transl)] Linhart P, et al. **Praxis** 1982 Mar 2;71(9):383-7 (Eng. Abstr.) **(Ger)**

RADIOGRAPHY

Hypotonic duodenography and endoscopic retrograde pancreatography in the diagnosis of pancreatic disease. Lukes PJ, et al. **Acta Radiol [Diagn] (Stockh)** 1981; 22(2):145-50

Ultrasound and hypotonic duodenography in biliary obstruction. Lukes PJ, et al. **Acta Radiol [Diagn] (Stockh)** 1981;22(3A):267-70

Duodenal radiographic findings in hemophilia. Rose JS, et al. **Am J Gastroenterol** 1981 Aug;76(2):160-5

The minimum effective dose of glucagon in upper gastrointestinal radiography. Maglinte DD, et al. **Gastrointest Radiol** 1982;7(2):119-22

Cigarette smoking and duodenal coating with barium. Rose C, et al. **J Can Assoc Radiol** 1982 Jun;33(2):77-9

A new, tubeless radiological test for duodenogastric reflux. Keet AD. **S Afr Med J** 1982 Jan 16;61(3):78-81

Resolution of a pancreatic pseudocyst by spontaneous rupture into the duodenum. Willard MR, et al. **South Med J** 1982 May;75(5):618-20

[Urgent X-ray examinations of new-born babies II. Duodenum-colon (author's transl)] Ponhold W, et al. **Padiatr Padol** 1982;17(1):111-4 (Eng. Abstr.) **(Ger)**

[Unusual foreign body in the duodenal bulb: a mucus plug] Lanyi M, et al. **ROFO** 1982 Jul;137(1):111 **(Ger)**

SECRETION

Alkaline secretion by amphibian duodenum. III. Effect of DBcAMP, theophylline, and prostaglandins. Simson JN, et al. **Am J Physiol** 1981 Dec;241(6):G528-36

The release of biologically active secretin-like immunoreactivity into duodenal lumen of dogs. Chang TM, et al. **J Physiol (Lond)** 1981 Nov;320:393-401

Secretin release from the isolated, vascularly perfused pig duodenum. Holst JJ, et al. **J Physiol (Lond)** 1981 Sep; 318:327-37

Neural and hormonal control of Brunner's gland secretion. Lang IM, et al. **Life Sci** 1982 Feb 1;30(5):409-17 (31 ref.)

Radioimmunoassay of gastric inhibitory polypeptide (GIP) and the effect of intraduodenal acidification on glucose-stimulated and unstimulated GIP release in humans. Flaten O. **Scand J Gastroenterol** 1981;16(4):545-54

[C-reactive protein in the duodenal secretion in viral hepatitis] Makos' RP. **Vrach Delo** 1982 Feb;(2):119-20 **(Rus)**

SURGERY

Healing of incisional wounds in stomach and duodenum. The influence of aging. Gottrup F. **Acta Chir Scand** 1981; 147(5):363-9

Modified gastrointestinal reconstruction after pancreaticoduodenal resection with particular reference to the prevention of postoperative biliary and pancreatic fistulas. Semb BK, et al. **Acta Chir Scand** 1981; 147(8):685-91

Efficacy of antibiotic prophylaxis in high risk gastroduodenal operations. Nichols RL, et al. **Am J Surg** 1982 Jan; 143(1):94-8

Improved technique for pancreaticogastrostomy after pancreaticoduodenectomy. Telford GL, et al. **Am J Surg** 1981 Sep;142(3):386-7

Hepaticoduodenostomy at the hepatic hilum after excision of choledochal cyst. Todani T, et al. **Am J Surg** 1981 Nov; 142(5):584-7

Surgical treatment of morbid obesity with reflux esophagitis. Buckwalter JA. **Am Surg** 1982 Mar;48(3):128-30

Applications of choledochoduodenostomy in biliary tract obstruction. Fry DE, et al. **Am Surg** 1982 Apr;48(4):149-52

Microsurgery for hepatic portoenterostomy in cases of biliary atresia. Suruga K. **Ann Acad Med Singapore** 1981 Oct; 10(4):427-33

Pancreaticoduodenectomy. A 40-year experience. Cohen JR, et al. **Ann Surg** 1982 May;195(5):608-17

Long-term results of Roux-en-Y hepaticojejunostomy and hepaticojejunoduodenostomy. Pappalardo G, et al. **Ann Surg** 1982 Aug;196(2):149-52

Gastric mycosis following gastric resection and vagotomy. Rehnberg O, et al. **Ann Surg** 1982 Jul;196(1):21-5

An unusual cholecystoduodenostomy. Muthukumaraswamy S. **Australas Radiol** 1981 Nov;25(3):253-4

Follow-up results of the reconstruction after total gastrectomy with figure-6 loop small intestine. Kondo T, et al. **Br J Clin Pract** 1981 Jun;35(6):209-14

Choledochoduodenostomy in calculous biliary tract disease. Lygidakis NJ. **Br J Surg** 1981 Nov;68(11):762-5

The Whipple procedure and other standard operative approaches to pancreatic cancer. Longmire WP Jr, et al. **Cancer** 1981 Mar 15;47(6 Suppl):1706-11

Endoscopic removal of the duodenal polyp in a patient with Gardner's syndrome. Sweeney BF, et al. **Dig Dis Sci** 1982 Jun;27(6):557-60

The efficacy of biliary diversion for benign disease: long-term follow-up. Samhouri F, et al. **Henry Ford Hosp Med J** 1980;28(1):27-30

Mucous antrectomy associated with vagotomy in duodenal ulcer. Tinoco RC, et al. **Int Surg** 1982 Jan-Mar;67(1):37-40

A clinical judgement of pancreaticoduodenectomy (Whipple procedure) in tumors of the periampullary region : report of 4 cases without mortality. Teparut V, et al. **J Med Assoc Thai** 1981 Oct;64(10):498-505

Acute afferent loop syndrome with necrosis of the duodenum salvaged by total duodenectomy. Mori H, et al. **Jpn J Surg** 1981 Mar;41(2):105-7

Plasma secretin levels in total pancreatectomy and pancreaticoduodenectomy. Ogasahara K, et al. **Jpn J Surg** 1981;11(6):433-9

Radical pancreatoduodenectomy--a procedure to be abandoned? van Heerden JA, et al. **Mayo Clin Proc** 1981 Oct;56(10):601-6

Surgical procedure for modifying the duodenum in cattle to measure bile flow and the diurnal variation in biliary manganese, iron, copper and zinc excretion. Symonds HW, et al. **Res Vet Sci** 1982 Jan;32(1):6-11

'Sump syndrome' after choledochoduodenostomy. Weed TE, et al. **South Med J** 1982 Mar;75(3):370-2

Surgical applications of sphincteroplasty and choledochoduodenostomy. Moody FG. **Surg Clin North Am** 1981 Aug;61(4):909-22 (27 ref.)

Common bile duct stones and biliary-intestinal anastomoses. McSherry CK, et al. **Surg Gynecol Obstet** 1981 Nov; 153(5):669-76

Protective choledochoduodenostomy in multiple common duct stones in the aged. Moesgaard F, et al. **Surg Gynecol Obstet** 1982 Feb;154(2):232-4

Dynamic evaluation of long term patency of choledochoduodenostomy compared with sphincteroplasty. Papadimitriou J, et al. **Surg Gynecol Obstet** 1982 Jul;155(1):17-20

Pancreatoduodenal resection and total pnacreatectomy--an institutional review. Cooperman AM, et al. **Surgery** 1981 Oct;90(4):707-12

A technique for transduodenal sphincteroplasty. Strom PR, et al. **Surgery** 1982 Sep;92(3):546-50

Zinc and magnesium output in pancreatic juice after pancreaticoduodenectomy. Matsuno S, et al. **Tohoku J Exp Med** 1982 Jan;136(1):11-22

[Extraperitonization of the duodenal stump in a Billroth II resection: technic and results] Nikolov I. **Khirurgiia (Sofiia)** 1981;34(6):535-8 (Eng. Abstr.) **(Bul)**

[Pancreatoduodenectomy: report of 2 cases (author's transl)] Hu PM. **Chung Hua Wai Ko Tsa Chih** 1980 Apr;18(2):176 **(Chi)**

[Choledochoduodenal anastomosis in the treatment of biliary lithiasis] Rettori R, et al. **Chirurgie** 1981;107(6):475-6 **(Fre)**

[Shaping duodenoplasty as treatment of congenital stenoses in adults (author's transl)] Barbier J, et al. **Nouv Presse Med** 1981 Oct 31;10(39):3241-2 (Eng. Abstr.) **(Fre)**

[Extended resection of pancreatic and periampullar carcinoma: regional, total and partial duodenopancreatectomy (author's transl)] Gall FP, et al. **Leber Magen Darm** 1981 Aug;11(4):179-84 (Eng. Abstr.) **(Ger)**

[Total duodenopancreatectomy--a no longer defensible intervention in chronic pancreatitis] Steegmüller. **Med Klin** 1982 Jan 29;77(3):51-4 **(Ger)**

[Gastric replacement of the Tübingen type] Kieninger G. **Med Welt** 1982 Feb 19;33(7):235-6 **(Ger)**

[X-ray findings after passage reconstruction by iso- and anisoperistaltic jejunal interposition] Wolf KJ. **Med Welt** 1982 Feb 19;33(7):256-9 **(Ger)**

[Radiological evaluation of a new method for gastric replacement by the interposition of an isoanisoperistaltic jejunal segment (author's transl)] Wolf KJ, et al. **ROFO** 1981 Aug;135(2):169-76 (Eng. Abstr.) **(Ger)**

[Quality of life after duodenopancreatectomy in patients with carcinoma of Vater's ampulla (author's transl)] Seliner F, et al. **Wien Med Wochenschr** 1981 Oct 31;131(20):507-9 (Eng. Abstr.) **(Ger)**

[Total duodenopancreatectomy in chronic relapsing pancreatitis: report of 18 cases.] Steegmüller KW, et al. **Z Gastroenterol** 1980 Dec;18(12):633-8 (Eng. Abstr.) **(Ger)**

[Care of the difficult duodenal stump in stomach resection according to Billroth I] Lennert KA, et al. **Zentralbl Chir** 1981;106(17):1164-7 **(Ger)**

[Methods of reconstruction after total gastrectomy] Colombati M, et al. **Ann Ital Chir** 1981;53(3):291-307 (26 ref.) **(Ita)**

[Indications and limitations of papillostomy and choledochoduodenostomy in biliary pathology] Pontone P. **Ann Ital Chir** 1981;53(1):63-70 **(Ita)**

[Double esophago-jejuno-duodenal and esophago-jejunal recanalization after total gastrectomy. Technical note and preliminary results] Paletto AE, et al. **Minerva Chir** 1981 Oct 31;36(20):1285-9 **(Ita)**

[Results of choledochoduodenostomy and papillosphincterotomy in the surgical treatment of cholestasis as a result of cholelithiasis] Santoro A, et al. **Minerva Chir** 1982 Jan 15-31;37(1-2):67-74 (Eng. Abstr.) **(Ita)**

[Zinc and magnesium output in pancreatic juice after pancreaticoduodenectomy (author's transl)] Matsuno S, et al. **Nippon Shokakibyo Gakkai Zasshi** 1981 Jul;78(7):1452-8 (Eng. Abstr.) **(Jpn)**

[Biliodigestive anastomosis in non-malignant bile duct diseases] Goffi FS, et al. **AMB** 1981 Oct;27(10):278-80 (Eng. Abstr.) **(Por)**

[Cephalic pancreato-duodenectomy in neoplastic and sclero-inflammatory diseases] Dolinescu C, et al. **Rev Med Chir Soc Med Nat Iasi** 1981 Jul-Sep;85(3):457-61 (Eng. Abstr.) **(Rum)**

[Comparative experimental morphological evaluation of the complications of choledochoduodenal anastomosis] Muradaliev MA, et al. **Biull Eksp Biol Med** 1982 May; 93(5):96-7 (Eng. Abstr.) **(Rus)**

[Choice of the method for the reconstructive stage of pancreatoduodenal resection in reoperated patients] Danilov MV, et al. **Khirurgiia (Mosk)** 1981 Oct;(10):84-9 (Eng. Abstr.) **(Rus)**

[End-to-side choledochoduodenostomy] Kotov IA, et al. **Khirurgiia (Mosk)** 1982 Jan;(1):90-3 **(Rus)**

[Method of reinforcing duodenal stump sutures in gastric resection] Mitasov IG, et al. **Khirurgiia (Mosk)** 1982 Mar; (3):22-4 (Eng. Abstr.) **(Rus)**

[Terminolateral gastroduodenal anastomosis in peptic ulcer surgery] Myshkin KI, et al. **Khirurgiia (Mosk)** 1982 Mar; (3):3-6 (Eng. Abstr.) **(Rus)**

[Duodenoplasty and selective proximal vagotomy] Onopriev VI, et al. **Khirurgiia (Mosk)** 1982 Mar;(3):77-81 **(Rus)**

[Duodenal stump incompetence after gastric resection in peptic ulcer] Telia AV, et al. **Khirurgiia (Mosk)** 1982 Mar; (3):62–5 **(Rus)**

[Principles of applying a choledochoduodenal anastomosis] Vinogradov VV, et al. **Klin Khir** 1981 Sep;(9):11–3 (Eng. Abstr.) **(Rus)**

[Mortality rate after reoperation on the duodenum in the dumping syndrome] Volobuev NN. **Klin Khir** 1981 Aug; (8):46–7 (Eng. Abstr.) **(Rus)**

[Immediate results of gastrectomies for cancer with the creation of an invaginated esophago–intestinal anastomosis] Erko IP, et al. **Vopr Onkol** 1982;28(1):63–5 **(Rus)**

TRANSPLANTATION

Preliminary report. The transposition of a living sphincter. Ger R, et al. **J Surg Res** 1982 Jul;33(1):69–73

ULTRASTRUCTURE

Regulation of Na+–Pi cotransport by 1,25–dihydroxyvitamin D3 in rabbit duodenal brush–border membrane. Hildmann B, et al. **Am J Physiol** 1982 May; 242(5):G533–9

Ultrastructure and electron–probe x–ray analysis of the pigment in melanosis duodeni. Pounder DJ, et al. **J Submicrosc Cytol** 1982 Apr;14(2):389–400

Basal processes on duodenal epithelial cells of man, mouse and rat. Partridge BT, et al. **Pathology** 1981 Jul; 13(3):463–72

The effect of tri–potassium di–citrato bismuthate on the duodenal mucosa during ulceration. An ultrastructural study. Gregory MA, et al. **S Afr Med J** 1982 Jul 10; 62(2):52–5

Ultrastructural changes in the lysosomes of rachitic intestinal absorptive cells. Jones RG, et al. **Tissue Cell** 1981; 13(4):739–46

DUPLICATING PROCESSES see COPYING PROCESSES

DUPUYTREN'S CONTRACTURE

COMPLICATIONS

Hand symptoms associated with diabetes mellitus. An investigation of 765 patients based on a questionnaire. Sturfelt G, et al. **Acta Med Scand** 1981;210(1–2):35–8

Dupuytren's disease and the sickle–cell trait in a female black patient. Haeseker B. **Br J Plast Surg** 1981 Oct;34(4):438–40

DIAGNOSIS

The table top test. Hueston JT. **Hand** 1982 Feb;14(1):100–3

Dupuytren's diathesis: a broad–spectrum disease. Wheeler ES, et al. **Plast Reconstr Surg** 1981 Nov;68(5):781–3

[Fibromatosis plantaris Ledderhose (Dupuytren's contracture of the foot sole] Villiger KJ. **Schweiz Med Wochenschr** 1982 May 1;112(18):653–8 (Eng. Abstr.) **(Ger)**

DRUG THERAPY

[Furazolidone therapy of Dupuytren's disease] Skliarenko ET, et al. **Ortop Travmatol Protez** 1982 Feb;(2):45–7 (Eng. Abstr.) **(Rus)**

ENZYMOLOGY

A comparative study of the activity of lysosomal and main metabolic pathway enzymes in tissue biopsies and cultured fibroblasts from Dupuytren's disease and palmar fascia. On the pathobiochemistry of connective tissue proliferation, I. Delbrück A, et al. **J Clin Chem Clin Biochem** 1981 Sep; 19(9):931–41

ETIOLOGY

Dupuytren's contracture in manual workers. Bennett B. **Br J Ind Med** 1982 Feb;39(1):98–100

A vibration injury: Dupuytrens contracture. Roberts FP. **J Soc Occup Med** 1981 Oct;31(4):148–50

FAMILIAL & GENETIC

Dupuytren's contracture: a genetically predisposed disorder? [letter] Bocanegra TS, et al. **J Rheumatol** 1981 Nov–Dec; 8(6):1026–7

Identification of an inherited form of Peyronie's disease with autosomal dominant inheritance and association with Dupuytren's contracture and histocompatibility B7 cross–reacting antigens. Nyberg LM Jr, et al. **J Urol** 1982 Jul;128(1):48–51

HLA phenotypes in Dupuytren's contracture. Tait BD, et al. **Tissue Antigens** 1982 Mar;19(3):240–1

IMMUNOLOGY

The distribution of histocompatibility antigens in patients with Dupuytren's contracture [letter] Hunter T, et al. **Arthritis Rheum** 1981 Sep;24(9):1218–9

METABOLISM

The glycosaminoglycans of Dupuytren's disease. Flint MH, et al. **Connect Tissue Res** 1982;9(3):173–9

[Palmar aponeurosis collagen in Dupuytren's contracture] Jethon J, et al. **Chir Narzadow Ruchu Ortop Pol** 1981; 46(5):445–8 (Eng. Abstr.) **(Pol)**

PATHOLOGY

Location of Dupuytren's disease on the radial aspect of the hand. Tubiana R, et al. **Clin Orthop** 1982 Aug;(168):222–9

A study of Dupuytren's tissue with the scanning electron microscope. Legge JW, et al. **J Hand Surg** 1981 Sep; 6(5):482–92

Prediction of the spiral nerve in Dupuytren's contracture. Short WH, et al. **J Hand Surg** 1982 Jan;7(1):84–6

A study of Dupuytren's tissue with the scanning electron microscope [letter] Smith RJ. **J Hand Surg** 1982 Mar; 7(2):208

Ultrastructural relationship of skin to nodule and cord in Dupuytren's contracture. VandeBerg JS, et al. **Plast Reconstr Surg** 1982 May;69(5):835–44

SURGERY

Recurrence and other complications in surgery of Dupuytren's contracture. Tubiana R, et al. **Clin Plast Surg** 1981 Jan;8(1):45–50

Dupuytren's disease of the plantar fascia. Cavolo DJ, et al. **J Foot Surg** 1982 Spring;21(1):12–5

[Aponeurectomy in the surgical treatment of Dupuytren's disease] Chiandussi D, et al. **Chir Organi Mov** 1979 Nov–Dec;65(6):747–55 (Eng. Abstr.) **(Ita)**

[Dupuytren's disease (statistical considerations and evaluation of the results of various methods of incision of the palmar skin)] Corrado EM, et al. **Chir Organi Mov** 1979 Nov–Dec; 65(6):741–6 **(Ita)**

DURA MATER

Delayed development of extradural haematomas. Fankhauser H, et al. **Acta Neurochir (Wien)** 1982;60(1–2):29–35

Cranial subdural metastases: a clinicopathological study. Sieben G, et al. **Clin Neurol Neurosurg** 1981;83(2):81–6

Extradural aerocele. Case report with 20–year follow–up results. Alexander E Jr, et al. **J Neurosurg** 1982 Feb; 56(2):296–8

Spinal cord compression by extradural fat after prolonged corticosteroid therapy. Guegan Y, et al. **J Neurosurg** 1982 Feb;56(2):267–9

Evidence of remodeling in dura mater cardiac valves. Allen DJ, et al. **J Thorac Cardiovasc Surg** 1982 Aug;84(2):267–81

Surgical management of dural and temporal lobe herniation into the radical mastoid cavity. Graham MD. **Laryngoscope** 1982 Mar;92(3):329–31

Erosion of the orbital plate (frontal bone) by a benign tumor of the lacrimal gland. Hornblass A, et al. **Ophthalmic Surg** 1981 Oct;12(10):737–43

Biomechanics of lumbosacral dural sac. A study of flexion–extension myelography. Penning L, et al. **Spine** 1981 Jul–Aug;6(4):398–408

Intracranial plasmacytoma arising from the dura mater. Kaneko D, et al. **Surg Neurol** 1982 Apr;17(4):295–300

[Consequences of suction drainage when applied in spinal posterior approach with opening of the dura–mater. Experimental study (author's transl)] Bisserié M, et al. **Ann Chir** 1981 Sep;35(7):498–9 (Eng. Abstr.) **(Fre)**

[Urethroplasty with a dura mater patch in rupture of the urethra] Ferrando U, et al. **Minerva Urol** 1981 Jul–Sep; 33(3):163–8 **(Ita)**

[A case of intracranial plasmacytoma with extradural growth (author's transl)] Namba S, et al. **No Shinkei Geka** 1981 Nov;9(12):1439–45 (Eng. Abstr.) **(Jpn)**

[A large intracranial fibromyxoma—case report (author's transl)] Shimura T, et al. **No Shinkei Geka** 1981 Jul; 9(8):975–80 (Eng. Abstr.) **(Jpn)**

[Pneumocranium] Jegliński T. **Otolaryngol Pol** 1981; 35(3):275–9 (Eng. Abstr.) **(Pol)**

ABNORMALITIES

[Saccoradiculography in congenital malformations of the cauda and dural sac] Borghi A, et al. **Chir Organi Mov** 1979 May–Jun;65(3):243–52 **(Ita)**

ANATOMY & HISTOLOGY

[Structure and physicomechanical properties of the human dura mater from the age aspect] Ziablov VI, et al. **Arkh Anat Gistol Embriol** 1982 Mar;82(3):29–36 (Eng. Abstr.) **(Rus)**

BLOOD SUPPLY

Bilateral proptosis, dilatation of conjunctival veins, and papilloedema: a neuro–ophthalmological syndrome caused by arteriovenous malformation of the torcular herophili. Buchanan TA, et al. **Br J Ophthalmol** 1982 Mar;66(3):186–9

Intractable hiccups and a posterior fossa arteriovenous malformation: a case report. Laing TJ, et al. **Henry Ford Hosp Med J** 1981;29(3):145–7

Case report. Aneurysmal dilatation of the galenic venous system caused by a dural arteriovenous malformation. O'Reilly GV, et al. **J Comput Assist Tomogr** 1981 Dec; 5(6):899–903

Scintiangiographic demonstration of a dural arteriovenous malformation. Wallner RJ, et al. **J Nucl Med** 1982 Sep; 23(9):793–4

Dural arteriovenous malformation in the posterior fossa—case report. Shigemori M, et al. **Kurume Med J** 1981; 28(2):147–51

Dural arteriovenous malformation in the anterior fossa. Case report. Bioh S, et al. **Neurol Med Chir (Tokyo)** 1981 Jan; 21(1):131–4

[A case of dural AVM during pregnancy (author's transl)] Chen MN, et al. **No Shinkei Geka** 1982 May;10(5):549–55 (Eng. Abstr.) **(Jpn)**

[Surgical treatment of arteriovenous aneurysms of the dura mater] Nekipelov EF. **Zh Vopr Neirokhir** 1981 Jul–Aug; (4):34–7 (Eng. Abstr.) **(Rus)**

[Tortuous arterioles of the dura mater of the human spinal cord] Reshetilov VI. **Zh Vopr Neirokhir** 1981 Jul–Aug; (4):38–41 **(Rus)**

DRUG EFFECTS

The reaction of the dura to bone morphogenetic protein (BMP) in repair of skull defects. Takagi K, et al. **Ann Surg** 1982 Jul;196(1):100–9

EMBRYOLOGY

[Micromorphology of the epidural rostral rete mirabile and the sinus cavernosus of sheep (Ovis aries)] Godynicki S, et al. **Anat Histol Embryol** 1981;10(3):227–37 (Eng. Abstr.) **(Ger)**

ENZYMOLOGY

The influence of psychotropic drugs on the phosphodiesterase activity in the rat brain meninges. Janiec W, et al. **Pol J Pharmacol Pharm** 1980 May–Jun; 32(3):297–303

INJURIES

Epidural morphine for the prevention of headache following dural puncture [letter] Boskovski N, et al. **Anaesthesia** 1982 Feb;37(2):217–8

Treatment of dural tears associated with spinal surgery. Eismont FJ, et al. **J Bone Joint Surg [Am]** 1981 Sep; 63A(7):1132–6

Unusual optic nerve compression by a flap of dura mater. Ise H, et al. **Surg Neurol** 1981 Oct;16(4):242–4

[Animal–experimental examinations on spontaneous regeneration of rhino–basic fractures and dura fistulas (author's transl)] Kessler L, et al. **Laryngol Rhinol Otol (Stuttg)** 1981 Sep;60(9):471–3 (Eng. Abstr.) **(Ger)**

PATHOLOGY

Primary epiduritis. Gonzalez–Scarano F, et al. **Hum Pathol** 1981 Jul;12(7):673–5

Spinal cord herniation into a congenital extradural arachnoid cyst causing Brown–Séquard syndrome. Case report. Masuzawa H, et al. **J Neurosurg** 1981 Dec;55(6):983–6

Cervical myelopathy due to dural compression in mucopolysaccharidosis. Kaufman HH, et al. **Surg Neurol** 1982 Jun;17(6):404–10

New embolization method using estrogen for dural arteriovenous malformation and meningioma. Suzuki J, et al. **Surg Neurol** 1981 Dec;16(6):438–42

PHYSIOLOGY

Redevelopment of the calvaria after partial craniectomy in growing rabbits: the effect of altering dural continuity. Mossaz CF, et al. **Acta Anat (Basel)** 1981;109(4):321–31

The mechanical properties of human dura mater and the effects of storage media. van Noort R, et al. **Clin Phys Physiol Meas** 1981 Aug;2(3):197–203

Skull growth after coronal suturectomy, periostectomy, and dural transection. Babler WJ, et al. **J Neurosurg** 1982 Apr; 56(4):529–35

[Changes of epidural pulse waveform in increased intracranial pressure: an experimental study (author's transl)] Hirai O, et al. **No To Shinkei** 1981 Dec;33(12):1235–42 (Eng. Abstr.) **(Jpn)**

[Circadian rhythm in the activity of adrenergic nerve fibers of the rat dura mater] Karedina VS. **Biull Eksp Biol Med** 1981 Oct;91(10):485–6 (Eng. Abstr.) **(Rus)**

PHYSIOPATHOLOGY

[Elasticity of the craniospinal system in patients with severe forms of stroke] Fedin AI, et al. **Zh Nevropatol Psikhiatr** 1982;82(1):66–74 (Eng. Abstr.) **(Rus)**

RADIOGRAPHY

Postsurgical calcified pseudocyst of the lumbar spine. Carollo C, et al. **J Comput Assist Tomogr** 1982 Jun;6(3):627–9

SURGERY

Meningioma of the falx cerebri, optic atrophy, and erosion of the clinoids: coincidence or cause and effect. Avisar R, et al. **Ann Ophthalmol** 1982 Apr;14(4):378–9

Autologous fat transplants for the protection and repair of the spinal dura. Mayfield FH. **Clin Neurosurg** 1980; 27:349–61

Medium term fate of dura mater valvular bioprostheses. Permanyer–Miralda G, et al. **Eur Heart J** 1980 Jun; 1(3):195–9

Operative treatment of lesions in the region of the tentorial notch. Samii M, et al. **Neurosurg Rev** 1981;4(1):3–10

Absorbable or nonabsorbable suture materials for closure of the dura mater? Vällfors B, et al. **Neurosurgery** 1981 Oct; 9(4):407–13

[Postoperative complications in 139 cases of basilar impression and/or Arnold–Chiari deformity] Gonçalves da Silva JA, et al. **Arq Neuropsiquiatr** 1981 Sep;39(3):306–16 (Eng. Abstr.) **(Por)**

[Use of amnion to repair a dural defect] Kudriashov AF, et al. **Zh Vopr Neirokhir** 1981 Sep–Oct;(5):37–40 (Eng. Abstr.) **(Rus)**

TRANSPLANTATION

Electron microscopic evaluation and x ray microanalysis of prosthetic dural cardiac valves surgically recovered. Allen DJ, et al. **Bull Assoc Anat (Nancy)** 1981 Sep;65(190):275–85

Freeze-dried cadaveric dural grafts can stimulate a damaging immune response in the host. Johnson MH, et al. **Eur Neurol** 1981;20(6):445–7

[Experimental transplantation of human cadaveric dura mater preserved by a new method] Mechkarski S, et al. **Khirurgiia (Sofiia)** 1981;34(3):295–9 **(Bul)**

[Dura mater in the treatment of orbital floor fractures] Agenos B, et al. **Bull Soc Ophtalmol Fr** 1981 Jun–Jul; 81(6–7):683–4 **(Fre)**

[Artificial vagina through lyodura (dura mater cerebri) (author's transl)] Beller FK, et al. **Geburtshilfe Fraunheilkd** 1982 Apr;42(4):313–5 (Eng. Abstr.) **(Ger)**

[Histological study on the transplanted lyophilized dura (lyodura) (author's transl)] Anazawa K. **Nippon Ganka Gakkai Zasshi** 1981 Sep 10;85(9):1258–66 (Eng. Abstr.) **(Jpn)**

[Heterologous implantation of the dura mater in the trachea. Experimental study] Dias AR, et al. **AMB** 1981 Mar; 27(3):99–102 (Eng. Abstr.) **(Por)**

[Closure of a bronchial stump with a flap of homologous dura mater preserved in glycerin] Stolf NA, et al. **AMB** 1981 Jul;27(7):211–3 (Eng. Abstr.) **(Por)**

[Immunomorphologic basis for using fetal tissue of the same kind to repair defects in the dura mater] Umakhanov RU. **Zh Vopr Neirokhir** 1981 May–Jun;(3):39–43 **(Rus)**

DURSBAN

ADMINISTRATION & DOSAGE

Effect of spray and paint-on applications of a slow-release formulation of chlorpyrifos on German cockroach control and human exposure. Gold RE, et al. **J Econ Entomol** 1981 Oct;74(5):552–4

ANALOGS & DERIVATIVES

Rapid cleanup procedure for gas-liquid chromatographic determination of chlorpyrifos-methyl residues in cat food. Simonaitis RA, et al. **J Assoc Off Anal Chem** 1981 Sep; 64(5):1227–31

Residues of chlorpyrifos-methyl in balsam fir foliage, forest litter, soil, stream water, sediment and fish tissue after double aerial applications of Reidan. Szeto S, et al. **J Environ Sci Health [B]** 1981;B16(6):743–66

ANALYSIS

Diazinon and chlorpyrifos in the air of moving and stationary pest control vehicles. Wright CG, et al. **Bull Environ Contam Toxicol** 1982 Jan;28(1):119–21

Simultaneous electron capture detection of chlorpyrifos and 3, 5, 6-trichloro-2-pyridinol residues in peach and bahia grass field samples following gel permeation cleanup. Guinivan RA, et al. **J Assoc Off Anal Chem** 1982 Mar; 65(2):210–4

METABOLISM

Chlorpyrifos and 3,5,6-trichloro-2-pyridinol: residues in the body tissues of sheep treated with chlorpyrifos for sheep ked control. Ivey MC, et al. **J Econ Entomol** 1981 Apr; 74(2):136–7

PHARMACODYNAMICS

Cytogenetic effects of pesticides. I. Induction of micronuclei in mouse bone marrow by the insecticide Dursban. Amer SM, et al. **Mutat Res** 1982 May;101(3):247–55

POISONING

Organophosphate poisoning in marmosets. Brack M, et al. **Lab Anim** 1982 Apr;16(2):186–8

TOXICITY

Chlorpyrifos (Dursban 44r) toxicity in diary bulls. Lein DH, et al. **Cornell Vet** 1982 Jan;72(1):suppl 3–58

DUST

see related

PNEUMOCONIOSIS

Horse dander allergens in a house dust mite extract. Aas K. **Allergy** 1981 Aug;36(6):433–4

Antigens Common to Scabies and House dust Mites. Falk ES, et al. **Allergy** 1981 May;36(4):233–8

Regulation toxic and harmful substances--the supreme court's decision upholding OSHA's cotton dust standard. McElveen JC, et al. **Am Ind Hyg Assoc J** 1981 Sep; 42(9):A20, A22

Preventive measures in hose-dust allergy. Korsgaard J. **Am Rev Respir Dis** 1982 Jan;125(1):80–4

Study of immunological changes after hyposensitization in house dust sensitive asthmatic children. Hsieh KH. **Ann Allergy** 1982 Jan;48(1):25–31

The penetration of dust through porous foam filter media. Gibson H, et al. **Ann Occup Hyg** 1981;24(2):205–15

On the quantitative definition of the inhalability of airborne dust. Vincent JH, et al. **Ann Occup Hyg** 1981;24(2):245–8

Ventilatory function in workers exposed to tea and wood dust. Al Zuhair YS, et al. **Br J Ind Med** 1981 Nov; 38(4):339–45

The microbiology of spent mushroom compost and its dust. Kleyn JG, et al. **Can J Microbiol** 1981 Aug;27(8):748–53

The influence of mineral dusts on metabolic co-operation between mammalian cells in tissue culture. Chamberlain M. **Carcinogenesis** 1982;3(3):337–9

House dust mite counts in different types of mattresses, sheepskins and carpets, and a comparison of brushing and vacuuming collection methods. Abbott J, et al. **Clin Allergy** 1981 Nov;11(6):589–95

Bronchial asthma due to inhaled wood dust: Tanganyika aningré. Paggiaro PL, et al. **Clin Allergy** 1981 Nov; 11(6):605–10

Characterization of precipitation reaction between grain dust and normal human serum and comparison of reactive and nonreactive grain handlers. Broder I, et al. **Clin Immunol Immunopathol** 1981 Nov;21(2):141–53

Baker's asthma (grain-dust-induced asthma). Tse CS, et al. **Drug Intell Clin Pharm** 1982 Jan;16(1):14–8

Early lung events following low-dose asbestos exposure. Bégin R, et al. **Environ Res** 1981 Dec;26(2):392–401

Changes in pulmonary lipid composition of rabbits exposed to nickel dust. Casarett-Bruce M, et al. **Environ Res** 1981 Dec;26(2):353–62

Comparative damage to alveolar macrophages after phagocytosis of respirable particles. Hill JO, et al. **Environ Res** 1982 Feb;27(1):95–109

Translocation of asbestos dust through the bronchiolar wall. Holt PF. **Environ Res** 1982 Apr;27(2):255–60

The biological reactivity of calcium silicate composites: in vivo studies. Richards RJ, et al. **Environ Res** 1981 Dec; 26(2):243–57

Pulmonary toxicity of Mount St. Helens volcanic ash. Sanders CL, et al. **Environ Res** 1982 Feb;27(1):118–35

Immunological alterations in the mouse following injection or inhalation of silica and olivine dusts. Scheuchenzuber WJ, et al. **Environ Res** 1982 Apr;27(2):398–411

Comparative effects of fibrous and nonfibrous minerals on cells and liposomes. Woodworth CD, et al. **Environ Res** 1982 Feb;27(1):190–205

Serum neutrophil chemotactic activity and leukocyte count after house dust induced bronchospasm. Nagy L. **Eur J Respir Dis** 1981 Jun;62(3):198–203

Dust exposure, chronic bronchitis and emphysema. Smidt U. **Eur J Respir Dis [Suppl]** 1982;118:59–67

Effect of dust from magnesite works on avian embryo. Reichertová E, et al. **Folia Morphol (Praha)** 1981; 29(3):280–3

A prospective analysis of the potential risk associated with inhalation of aflatoxin-contaminated grain dusts. Baxter CS, et al. **Food Cosmet Toxicol** 1981 Dec;19(6):765–9

On the radiological significance of inhaled uranium and thorium ore dust. Hannibal L. **Health Phys** 1982 Mar; 42(3):367–71

A sterile method for testing the dissolution of radionuclides from neutron-activated coal dust. Leyko MA, et al. **Health Phys** 1981 Sep;41(3):547–8

Standardization of allergens: lectins and monoclonal antibodies as primary standards for house dust mite allergens. Krilis S, et al. **Int Arch Allergy Appl Immunol** 1981;66 Suppl 1:252–8

Intake and health effects of thallium among a population living in the vicinity of a cement plant emitting thallium containing dust. Brockhaus A, et al. **Int Arch Occup Environ Health** 1981;48(4):375–89

The prevalence of house dust mites, Dermatophagoides spp. and associated environmental conditions in homes in Ohio. Arlian LG, et al. **J Allergy Clin Immunol** 1982 Jun; 69(6):527–32

Immunologic and nonimmunologic mechanisms in asthma due to western red cedar (Thuja plicata). Chan-Yeung M. **J Allergy Clin Immunol** 1982 Jul;70(1):32–7

Altitude and house dust mites. Vervloet D, et al. **J Allergy Clin Immunol** 1982 Mar;69(3):290–6

Present status and ecology of house dust mites in Egypt as approaches to environmental control of mites and preparation of specific diagnostic antigen before resort to any desensitizing vaccine. Gamal-Eddin FM, et al. **J Egypt Soc Parasitol** 1982 Jun;12(1):253–82

Relationship between pathogenicity and physicochemical properties of bituminous coal dusts. Dinkelis SS, et al. **J Hyg Epidemiol Microbiol Immunol** 1981;25(4):393–400

Grain dust and alveolar macrophages: an experimental study of the effects of grain dust on the mouse lung. Armanious M, et al. **J Pathol** 1982 Apr;136(4):265–72

Gastric cancer in coal miners: some hypotheses for investigation. Ames RG. **J Soc Occup Med** 1982 Apr; 32(2):73–81

Evaluation of an occupational respiratory exposure to a zirconium-containing dust. Hadjimichael OC, et al. **JOM** 1981 Aug;23(8):543–7

Acinetobacter pneumonia [editorial] **Lancet** 1982 Mar 27; 1(8274):722

Retinyl palmitate and ascorbic acid inhibit pulmonary neoplasms in mice exposed to fiberglass dust. Morrison DG, et al. **Nutr Cancer** 1981;3(2):81–5

Inhibition of the late asthmatic response to house dust mite by non-steroidal anti-inflammatory drugs. Fairfax AJ. **Prostaglandins Leukotrienes Med** 1982 Mar;8(3):239–48

House dust mite hypersensitivity: morning dipping and severity of wheeze. Connolly CK. **Respiration** 1981; 42(4):258–62

Organic dust diseases and endotoxins. Edwards JH. **Rev Epidemiol Sante Publique** 1981;29(2):199–207

Human response to controlled levels of combinations of sulfur dioxide and inert dust. Andersen I, et al. **Scand J Work Environ Health** 1981 Mar;7(1):1–7

Toxic bacterial dusts associated with plants. Salkinoja-Salonen MS, et al. **Soc Appl Bacteriol Symp Ser** 1982;(10):219–33 (37 ref.)

A study of the ecology of the house dust mite in dwelling houses. Uchikoshi S, et al. **Tokai J Exp Clin Med** 1982 Mar;7(2):233–43

Coir fibre toxicity: in vivo and in vitro studies. Saxena RP, et al. **Toxicol Lett** 1982 Mar;10(4):359–65

Comparison of skin reactions in asthmatic children to various house dust and mite extracts. Adalioğlu G, et al. **Turk J Pediatr** 1981 Oct–Dec;23(4):235–41

Determination of pulmonary deposition, translocation and clearance using neutron activation techniques. Wehner AP, et al. **Z Erkr Atmungsorgane** 1981;157(3):238–46

[Induction of lung cancer in rats by intratracheal instillation of arsenic containing ore dust (author's transl)] **Chung Hua Chung Liu Tsa Chih** 1982 Feb;4(1):14–6 **(Chi)**

[Development of serum IgE and house dust-specific IgE antibodies in normal Chinese from birth to adult and its clinical usefulness in the diagnosis and treatment of childhood asthma (author's transl)] Huang LS, et al. **Chung Hua Min Kuo Wei Sheng Wu Chi Mien I Hsueh Tsa Chih** 1982 Feb;15(1):23–9 (Eng. Abstr.) **(Chi)**

[Study of methods for establishing allowable concentrations of pneumoconiosis dusts (author's transl)] Liu ZY. **Chung Hua Yu Fang I Hsueh Tsa Chih** 1981 Jan;15(1):17–20 **(Chi)**

[Experiment lung fibrosis in rabbits produced by inhalation of blast furnace slag and cement products (author's transl)] Zhou X. **Chung Hua Yu Fang I Hsueh Tsa Chih** 1982 Mar; 16(2):88–90 (Eng. Abstr.) **(Chi)**

[Study of DNA content in the lungs of rats after dust application (author's transl)] Havránková J, et al. **Bratisl Lek Listy** 1981 Nov;76(5):552–62 (Eng. Abstr.) **(Cze)**

[Allergenic activity of mites in house dust] David B. **Arch Inst Pasteur Tunis** 1981 Sep–Dec;58(3):329–44 (Eng. Abstr.) **(Fre)**

[The role of various mites in allergy to house dust in children (apropos of a survey of 300 children)] Lelong M, et al. **Lille Med** 1981 Mar;26(3):85–9 **(Fre)**

[Comparative study of different measurement methods and gravimetric evaluation of dust in the coal mines in the countries of the European Community] Cartigny S. **Rev Inst Hyg Mines (Hasselt)** 1981;36(2):83–123 (Eng. Abstr.) **(Fre)**

[Air quality and high volume sampling methods of atmospheric dusts] Bernhard CA. **Soz Praventivmed** 1981 Oct;26(5):313–4 (Eng. Abstr.) **(Fre)**

[Wood dust: health risks and health surveillance of exposed workers] Goulet L, et al. **Union Med Can** 1981 Oct; 110(10):865–70 (Eng. Abstr.) **(Fre)**

[The treatment of housedustmite-allergy-three years' experience with hyposensitization with D.pteronyssinus-Preparations (D.P.) (author's transl)] Stammberger H. **Laryngol Rhinol Otol (Stuttg)** 1980; 59(12):820–8 (Eng. Abstr.) **(Ger)**

[Efficacy of oral hyposensitization treatment in house dust mite allergy (author's transl)] Urbanek R, et al. **Monatsschr Kinderheilkd** 1982 Mar;130(3):150–2 (Eng. Abstr.) **(Ger)**

[Allergy to D. pteronyssinus in librarians (author's transl)] Cernelč D. **Prax Klin Pneumol** 1982 May;36(5):249–52 (Eng. Abstr.) **(Ger)**

[Relation between emission density and environmental impact as exemplified by SO2 and sedimentation dust in heavily populated centers] Bredel H, et al. **Z Gesamte Hyg** 1982 Apr;28(4):237–41 (Eng. Abstr.) **(Ger)**

[Emission of industrial and community gases and dusts and the incidence of malignant neoplasms of the trachea, bronchi and lungs in the autochtonous population of Zabrze in the years 1965–1975 given the character of industrialization] Zemla B, et al. **Pol Tyg Lek** 1981 Apr 20;36(16):561–4 (Eng. Abstr.) **(Pol)**

[Evaluation of the fibrogenicity of industrial dust by the duration of the prefibrosis stage] Babushkina LG, et al. **Gig Sanit** 1982;(1):48–51 **(Rus)**

[Action, on animals, of dusts from mixed feeds used in commercial animal husbandry] Mosendz SA. **Gig Sanit** 1982 Feb;(2):66–8 (28 ref.) **(Rus)**

[Occupational hygiene in the production of potassium fertilizers] Arkhangel'skiĭ VA, et al. **Gig Tr Prof Zabol** 1982

Feb;(2):39–40 (Rus)
[Pathogenic action of different types of coal dust depending on their composition] Balychev IuV. **Gig Tr Prof Zabol** 1982 Jan;(1):48–50 (Rus)
[Supramolecular organization of coal and characteristics of the pathogenic action of coal dust] Galkina KA, et al. **Gig Tr Prof Zabol** 1981 Aug;(8):4–11 (Eng. Abstr.) (Rus)
[Characteristics of the health standard for nicotinic acid dust in the air of a work area] Germanova AL, et al. **Gig Tr Prof Zabol** 1981 Sep;(9):34–6 (Eng. Abstr.) (Rus)
[Effect of coal dust exposure on histamine and serotonin metabolism in the body (clinico-experimental study)] Gridneva NV, et al. **Gig Tr Prof Zabol** 1982 Apr;(4):19–22 (Eng. Abstr.) (Rus)
[Removal of various types of quartz and coal dust from the lungs of rats] Kapitanov IuT, et al. **Gig Tr Prof Zabol** 1982 Apr;(4):50–3 (Rus)
[Changes in the peripheral blood and hemolytic activity of the dust in animals receiving beryllium and pure quartz dust] Kazantseva SV, et al. **Gig Tr Prof Zabol** 1981; (12):55–6 (Rus)
[Determination of the information value of signs for the early diagnosis and differentiation of the stages of dust-generated bronchitis] Kleiner AI, et al. **Gig Tr Prof Zabol** 1982 Jun; (6):41–3 (Rus)
[Various data on the effect of dust on the health of workers producing asbestos cement products] Kurova EG, et al. **Gig Tr Prof Zabol** 1982 Mar;(3):16–25 (Eng. Abstr.) (Rus)
[Acetylcholine-acetylcholinesterase and sympathetic-adrenal systems in dust bronchitis] Makotchenko VM, et al. **Gig Tr Prof Zabol** 1982 Apr;(4):12–5 (Eng. Abstr.) (Rus)
[Granulometric composition of zinc dust and its role in the etiology of foundryman's fever] Nishchii RA. **Gig Tr Prof Zabol** 1982 Mar;(3):49–51 (Rus)
[Effect of ferrite dusts on the body and the hygienic standard for their content in the air of a work area] Prilipko VA. **Gig Tr Prof Zabol** 1982 Apr;(4):23–6 (Eng. Abstr.) (Rus)
[Use of pyrolytic gas chromatography to monitor atmospheric dust] Sotnikov EE, et al. **Gig Tr Prof Zabol** 1982 Feb;(2):49–52 (Rus)
[Rehabilitation in dust-induced bronchitis and ways of improving it] Volkova VM, et al. **Gig Tr Prof Zabol** 1982 Feb;(2):8–11 (Eng. Abstr.) (Rus)
[Current aspects of the diagnosis and work capacity expertise in chronic bronchitis of dust etiology] Mal'tseva LM. **Sov Med** 1981;(6):106–8 (Kus)
[Local specific treatment of dust-induced bronchial asthma] Moshkevich VS, et al. **Ter Arkh** 1982;54(4):72–6 (Eng. Abstr.) (Rus)
[Ultrasonic inhalations in treating upper respiratory tract pathology in workers in enterprises with a high dust content] Brofman AV. **Vestn Otorinolaringol** 1982 Mar-Apr;(2):45–51 (Rus)
[Quantitative characteristics of the pathomorphological changes in the lungs of miners exposed to coal dust] Sukhanov VV, et al. **Vrach Delo** 1981 Jul;(7):103–5 (Eng. Abstr.) (Rus)
[A rare type of biological response to inhalation of asbestos dust (multiple lung asbestomas)] Mešič J, et al. **Arh Hig Rada Toksikol** 1981;32(3):279–85 (Eng. Abstr.) (Scr)
[Biological effect of environmental exposure to cement dust] Tomić T, et al. **Arh Hig Rada Toksikol** 1982;33(1):3–16 (Eng. Abstr.) (Scr)
[Factors influencing the house dust mite population IV. Altitude] Gómez MS, et al. **Allergol Immunopathol (Madr)** 1981 Mar-Apr;9(2):123–30 (Eng. Abstr.) (Spa)

ANALYSIS

Chemotaxins in cotton mill dust: possible etiologic agent(s) in byssinosis. Ainsworth SK, et al. **Am Rev Respir Dis** 1981 Sep;124(3):280–4
The distribution of dust mite allergen in the houses of patients with asthma. Tovey ER, et al. **Am Rev Respir Dis** 1981 Nov;124(5):630–5
Allergens in commercial house dust. Mansfield LE, et al. **Ann Allergy** 1982 Apr;48(4):205–9
Reference material for the quantitation of alpha quartz in respirable dust by x-ray diffraction. Altree-Williams S, et al. **Ann Occup Hyg** 1981;24(4):347–56
The basis of dust sampling in occupational hygiene: a critical review. Vincent JH, et al. **Ann Occup Hyg** 1981; 24(4):375–90 (20 ref.)
Dissipation of parathion and paraoxon on citrus foliage dust and dry soil surfaces in a treated orchard. Winterlin W, et al. **Arch Environ Contam Toxicol** 1982;11(1):111–21
Atomic absorption spectrophotometric and X-ray studies of respirable dusts in Indian coal mines. Rawat NS, et al. **Arch Environ Health** 1982 Jan-Feb;37(1):32–5
Pulmonary reaction to durum wheat; a constituent of grain dust. doPico GA, et al. **Chest** 1982 Jan;81(1):55–61
Magnetic lung measurements of relation to occupational exposure in asbestos miners and millers of Quebec. Cohen D, et al. **Environ Res** 1981 Dec;26(2):535–50
The Arnhem Lead Study. II. Indoor pollution, and indoor/outdoor relationships. Diemel JA, et al. **Environ Res** 1981 Aug;25(2):449–56
An ecological survey of lead contents in roadside dusts and soils in Hong Kong. Lau WM, et al. **Environ Res** 1982 Jun;28(1):39–54
Thin layer chromatographic determination of aflatoxin in corn dust. Shotwell OL, et al. **J Assoc Off Anal Chem** 1981 Sep;64(5):1060–3
Algal forms in house dust samples and their role in respiratory allergy—a preliminary report. Mittal A. **J Assoc Physicians India** 1981 Mar;29(3):197–200
Aflatoxin in respirable corn dust particles. Sorenson WG, et al. **J Toxicol Environ Health** 1981 Mar-Apr; 7(3-4):669–72
Analyses of some mite antigens found in house dust and in food material. Yago A, et al. **Jpn J Exp Med** 1980 Dec; 50(6):407–14
Distribution of inorganic elements of poultry house dust. Nakaue HS, et al. **Poult Sci** 1981 Jul;60(7):1386–91
A study of physicochemical characteristics of respirable dust in an Indian coal mine. Rawat NS. **Sci Total Environ** 1982 Apr;23:47–54
Dust in workroom air of dental laboratories. Brune D, et al. **Swed Dent J** 1981;5(5-6):247–51
Pulmonary asbestos and dust content in East Africa. Stovin PG, et al. **Thorax** 1982 Mar;37(3):185–92
[The effect of feeding technics on dust levels in pig fattening barns] Drybčák J. **Vet Med (Praha)** 1981 Aug;26(8):491–5 (Eng. Abstr.) (Cze)
[Comparative study of the various gravimetric methods for measuring and evaluating dust in coal mines of the member countries of the European Community] Cartigny S. **Rev Inst Hyg Mines (Hasselt)** 1981;36(3):129–55 (Dut)
[Evaluation of various methods of determining crystalline silicon dioxide in comparison with results of industrial dust analysis] Dobreva M, et al. **Z Gesamte Hyg** 1982 May; 28(5):317–20 (Eng. Abstr.) (Ger)
[Mycologic studies on the detection and incidence of mold fungus in agricultural dusts] Gemeinhardt H, et al. **Z Gesamte Hyg** 1981 Oct;27(10):745–7 (Eng. Abstr.) (Ger)
[Theoretical study of asbestos fiber residues in air] Altieri A, et al. **Ann Ist Super Sanita** 1981;17(3):363–8 (Ita)
[Selenium determination in the dusts of work environments] Bianchi A, et al. **Ann Ist Super Sanita** 1981;17(3):379–83 (Ita)
[Use of various technics of isolating atmospheric dusts in a mining environment and the importance of a granulometric distribution study] Casula D, et al. **Ann Ist Super Sanita** 1981;17(3):347–9 (Ita)
[Pollution from dust residues in the city of Cagliari. Preliminary results of an annual study] Casula D, et al. **Ann Ist Super Sanita** 1981;17(3):597–600 (Ita)
[Assessment of the environmental dustiness in the textile industry by different sampling methods] De Rosa E, et al. **Ann Ist Super Sanita** 1981;17(3):359–62 (Ita)
[Analysis and the respiratory risks in a cement plant] Fabri G, et al. **Ann Ist Super Sanita** 1981;17(3):581–6 (Ita)
[Identification of the dusts from exotic woods] Marini Bettolo G, et al. **Ann Ist Super Sanita** 1981;17(2):189–97 (Ita)
[Various methods of assessing the atmospheric dustiness in cotton mills] Patroni M, et al. **Ann Ist Super Sanita** 1981; 17(3):351–7 (Ita)
[Distribution of dust risk factors in cement plants and casting foundries] Pozzoli L, et al. **Ann Ist Super Sanita** 1981; 17(3):575–80 (Ita)
[Dust and noise pollution in the refractory materials industry] Valente T, et al. **Ann Ist Super Sanita** 1981;17(3):593–5 (Ita)
[Quantitative measurement of the magnetic dust in the lungs (author's transl)] Kotani M, et al. **Iyodenshi To Seitai Kogaku** 1981 Oct;19(6):442–5 (Eng. Abstr.) (Jpn)
[Hygienic evaluation of the dust factor in the manufacturing environment of a porcelain plant] Dupliankin SA. **Gig Sanit** 1981 Oct;(10):83–4 (Rus)
[Hygienic evaluation of the effect of mine waters on the microclimate and air dust content in the underground mining of refractory clays] Fishman BB. **Gig Sanit** 1981 Sep;(9):74–6 (Rus)
[Determination of free silicon dioxide in the dust from cement manufacture] Balobolkina VS, et al. **Gig Tr Prof Zabol** 1981 Aug;(8):55–7 (Rus)
[Properties of the soil dust released during sugar beet cultivation] Gromova VS. **Gig Tr Prof Zabol** 1982 May; (5):48–9 (Rus)
[Dust content of the working environment in work with polyvinyl chloride] Natov M, et al. **Gig Tr Prof Zabol** 1981; (12):7–10 (Eng. Abstr.) (Rus)
[Effect of various properties of coal seams on miner morbidity] Vasilenko ES. **Gig Tr Prof Zabol** 1982 Feb; (2):12–5 (Eng. Abstr.) (Rus)
[Biological aspects of mites in house dust and their importance in house dust allergy. I] Makovcová S, et al. **Fysiatr Reumatol Vestn** 1982 Apr;60(2):69–74 (Eng. Abstr.) (Slo)

PREVENTION & CONTROL

[Dust control in Belgian coal mines. Status at the beginning of the year 1981] Preat B, et al. **Rev Inst Hyg Mines (Hasselt)** 1981;36(1):51–65 (Eng. Abstr.) (Dut, Fre)
[Hygienic and economic evaluation of the standards for the expenditure of industrial surface-active substances for controlling dust] Bolotov AM. **Gig Tr Prof Zabol** 1981; (12):10–2 (Eng. Abstr.) (Rus)
[Biological effects of coal dust forming during extraction of seams after physicochemical treatment] Sukhanov VV, et al. **Gig Tr Prof Zabol** 1982 Mar;(3):20–4 (Eng. Abstr.) (Rus)

DWARFISM

The social problems of little people (Dwarfs) [editorial] Danks DM. **Med J Aust** 1981 Sep 19;2(6):269–70

BLOOD

Dwarfism in the pygmy. An isolated deficiency of insulin-like growth factor I. Merimee TJ, et al. **N Engl J Med** 1981 Oct 22;305(17):965–8
Decrease of thymic hormone serum level in Cockayne syndrome. Bensman A, et al. **Pediatr Res** 1982 Feb; 16(2):92–4
[Oral clonidine test for growth hormone release (author's transl)] Moreno Romero F, et al. **An Esp Pediatr** 1981 Apr; 14(4):254–8 (Eng. Abstr.) (Spa)

CLASSIFICATION

Studies of microcephalic primordial dwarfism II: the osteodysplastic type II of primordial dwarfism. Majewski F, et al. **Am J Med Genet** 1982 May;12(1):23–35
Studies of microcephalic primordial dwarfism I: approach to a delineation of the Seckel syndrome. Majewski F, et al. **Am J Med Genet** 1982 May;12(1):7–21 (49 ref.)
Studies of microcephalic primordial dwarfism III: an intrauterine dwarf with platyspondyly and anomalies of pelvis and clavicles—osteodysplastic primordial dwarfism type III. Majewski F, et al. **Am J Med Genet** 1982 May; 12(1):37–42

COMPLICATIONS

Cutaneous manifestations of leprechaunism. Roth SI, et al. **Arch Dermatol** 1981 Sep;117(9):531–5
Obstructive cardiomyopathy in a male dwarf with cryptorchidism. Fatourechi V, et al. **Clin Cardiol** 1982 Apr; 5(4):301–3
Progressive retinopathy with improved control in diabetic dwarfism (Mauriac's syndrome). Daneman D, et al. **Diabetes Care** 1981 May-Jun;4(3):360–5
Spinal disorders of dwarfism. Review of the literature and report of eighty cases. Bethem D, et al. **J Bone Joint Surg [Am]** 1981 Dec;63-A(9):1412–25
A new malformation syndrome of long palpebral fissures, large ears, depressed nasal tip, and skeletal anomalies associated with postnatal dwarfism and mental retardation. Kuroki Y, et al. **J Pediatr** 1981 Oct;99(4):570–3
[Comments on coxa vara infantum with shearing of the epiphysis of the femoral head in Seckel's syndrome (author's transl)] Mitzkat K, et al. **Z Orthop** 1981 Feb; 119(1):85–8 (Eng. Abstr.) (Ger)
[Spondylo-metaphyseal dysostosis of the Murdock type] Di Stefano A, et al. **Minerva Pediatr** 1982 Apr 15;34(7):303–8 (Eng. Abstr.) (Ita)
[The Leopard syndrome. Description of a case] Isaia B, et al. **Minerva Pediatr** 1982 Feb 15;34(3):117–24 (Eng. Abstr.) (Ita)
[Cranio-cerebral malformation in 2 hyposomic dizygotic twins] Vesi G, et al. **Minerva Pediatr** 1982 Apr 15; 34(7):315–24 (Eng. Abstr.) (Ita)
[A case of Cockayne syndrome with cerebellar ataxia improved after TRH therapy (author's transl)] Naito H. **Horumon To Rinsho** 1982 Mar;30(3):261–6 (Jpn)
[Hyperinsulinism and peripheral resistance to insulin in a case of leprechaunism] Lambruschini N, et al. **An Esp Pediatr** 1981 Nov;15(5):492–7 (Eng. Abstr.) (Spa)
[Thanatophoric dwarfism. Apropos of 2 cases, one of them with cytomegalic inclusion disease and hepatic hamartoma] Palomero Dominguez MA, et al. **An Esp Pediatr** 1981 Apr; 14(4):279–82 (Spa)

CONGENITAL

Thanatophoric dysplasia of identical twins. Sato D, et al. **Acta Pathol Jpn** 1981 Sep;31(5):895–902
Disproportionate micromelia (Dmm): an incomplete dominant mouse dwarfism with abnormal cartilage matrix. Brown KS, et al. **J Embryol Exp Morphol** 1981 Apr; 62:165–82
Testicular cancer in a Russell-Silver dwarf. Weiss GR, et al. **J Urol** 1981 Dec;126(6):836–7
[Spondylocostal dysostosis. An easily recognizable syndrome with a difficult genetic counselling (author's transl)] Calabro A, et al. **Pediatr Med Chir** 1981 Nov-Dec; 3(6):559–62 (Eng. Abstr.) (Ita)
[Fatal congenital spondylo-epiphysial dysplasia or hypochondrogenesis] Sandomenico C, et al. **Radiol Med (Torino)** 1982;68(3):147–9 (Ita)

DIAGNOSIS

Cartilage-hair hypoplasia. Fryns JP, et al. **Acta Paediatr Belg** 1980 Oct-Dec;33(4):265–7
Prenatal diagnosis of campomelic dwarfism. Fryns JP, et al. **Clin Genet** 1981 Mar;19(3):199–201

Achondrogenesis. Aithala G, et al. **Indian Pediatr** 1981 Sep; 18(9):672–5

Lethal neonatal dwarfism: a plea for recognition and diagnosis. Fitzsimons RB, et al. **Ir Med J** 1981 Jun; 74(6):177–8

Achondroplasia and hypochondroplasia. Clinical variation and spinal stenosis. Wynne–Davies R, et al. **J Bone Joint Surg [Br]** 1981;63B(4):508–15

Keratan sulphate excretion in a patient with Kniest dysplasia. Pennock CA, et al. **J Inherited Metab Dis** 1980;2(3):75–8

[Fetal face syndrome (Robinow syndrome] Zižka J, et al. **Cesk Pediatr** 1981 Jun;36(6):328–30 (Eng. Abstr.) **(Cze)**

[Seckel's syndrome. Seckel's dwarfism with bird–head] Zižka J, et al. **Cesk Pediatr** 1981 Nov;36(11):648–50 (Eng. Abstr.) **(Cze)**

[The art of diagnosing dwarfism and the diagnosis of dwarfism in art] Silverman FN. **J Radiol** 1982 Feb; 63(2):133–40 **(Fre)**

[Prenatal diagnosis of thanatophoric dysplasia] Tóth Z, et al. **Orv Hetil** 1981 Dec;122(51):3127–31 **(Hun)**

[Primary Russell's dwarfism in a child] Balcar–Boroń A, et al. **Wiad Lek** 1981 Mar 1;34(5):415–7 (Eng. Abstr.) **(Pol)**

DRUG THERAPY

Growth and somatomedin–C responses to growth hormone in dwarfed children. Hayek A, et al. **J Pediatr** 1981 Dec; 99(6):868–72

[Treatment with hGH. Factors influencing response in children with somatotrophic insufficiency (author's transl)] Kurtz F, et al. **Arch Fr Pediatr** 1981 Jun–Jul;38(6):405–9 (Eng. Abstr.) **(Fre)**

ETIOLOGY

Dysmorphology and short stature. Parkin JM. **Br Med Bull** 1981 Sep;37(3):297–302 (62 ref.)

[Sleep stage IV deficit in psychosocial dwarfism (author's transl)] Guilhaume A, et al. **Ann Med Interne (Paris)** 1982; 133(4):272–5 **(Fre)**

FAMILIAL & GENETIC

Familial osteochondritis dissecans and dwarfism. Andrew TA, et al. **Acta Orthop Scand** 1981 Oct;52(5):519–23

3–M slender–boned nanism. An intrauterine growth retardation syndrome. Cantú JM, et al. **Am J Dis Child** 1981 Oct;135(10):905–8

Achondrogenesis: a review with special consideration of achondrogenesis type II (Langer–Saldino). Chen H, et al. **Am J Med Genet** 1981;10(4):379–945 (56 ref.)

A previously unreported, dominantly inherited syndrome of shortness of stature, ear malformations, and hip dislocation: the coxoauricular syndrome--autosomal or X–linked male–lethal. Duca D, et al. **Am J Med Genet** 1981; 8(2):173–80

Brief clinical report: corneal dermoids and short stature in brother and sister--a new syndrome? Guizar–Vázquez J, et al. **Am J Med Genet** 1981;8(2):229–34

Brief clinical report: early recognition of the Coffin–Lowry syndrome. Wilson WG, et al. **Am J Med Genet** 1981; 8(2):215–20

A new growth deficiency syndrome. Myhre SA, et al. **Clin Genet** 1981 Jul;20(1):1–5

Familial dwarfism with high IR–GH: report of two affected sibs with genetic and epidemiologic considerations. Saldanha PH, et al. **Hum Genet** 1981;59(4):367–72

A clinical study of a family with Cockayne's syndrome. Proops R, et al. **J Med Genet** 1981 Aug;18(4):288–93

A deficiency in the repair of UV and gamma–ray damaged DNA in fibroblasts from Cockayne's syndrome. Rainbow AJ, et al. **Mutat Res** 1982 Mar;93(1):235–47

Genetic complementation groups in cockayne syndrome. Tanaka K, et al. **Somatic Cell Genet** 1981 Jul;7(4):445–55

Cockayne syndrome in siblings (Clinico–pathological study). Ozdirim E, et al. **Turk J Pediatr** 1981 Jan–Mar;23(1):47–56

[Familial pelvi–scapulary dysplasia with anomalies of the epiphyses, dwarfism and dysmorphy: a new syndrome? (author's transl)] Cousin J, et al. **Arch Fr Pediatr** 1982 Mar; 39(3):173–5 (Eng. Abstr.) **(Fre)**

[Mesomelic dwarfism of the Langer type as a homozygous form of dyschondrosteosis (author's transl)] Kemperdick H, et al. **ROFO** 1982 May;136(5):583–7 **(Ger)**

[Mesomelic nanism. Clinico–radiologic study in 2 sisters] Di Gruttola G, et al. **Pediatria (Napoli)** 1981 Sep 30; 89(3):435–55 (Eng. Abstr.) **(Ita)**

[Cartilage–hair hypoplasia: clinical and immunological study] Pinto L, et al. **Pediatria (Napoli)** 1981 Mar 31;89(1):41–51 **(Ita)**

[Costovertebral dysplasia] Vergara MD, et al. **Bol Med Hosp Infant Mex** 1981 Jul–Aug;38(4):657–63 (Eng. Abstr.) **(Spa)**

METABOLISM

Failure of RNA synthesis to recover after UV irradiation: an early defect in cells from individuals with Cockayne's syndrome and xeroderma pigmentosum. Mayne LV, et al. **Cancer Res** 1982 Apr;42(4):1473–8

Deficiency of dopamine in the median eminence of Snell dwarf mice. Morgan WW, et al. **Endocrinology** 1981 Dec; 109(6):2069–75

Growth hormone and prolactin synthesis in normal and homozygous Snell and Ames dwarf mice. Slabaugh MB, et al. **Endocrinology** 1981 Oct;109(4):1040–6

Collagen synthesis by fibroblasts in a patient with the Cockayne syndrome. Keren G, et al. **Eur J Pediatr** 1981 Nov;137(3):339–42

Ultraviolet hypersensitivity of Cockayne's syndrome fibroblasts. Effects of nicotinamide adenine dinucleotide and poly(ADP–ribose) synthesis. Fujiwara Y, et al. **Exp Cell Res** 1982 May;139(1):207–15

DNA synthesis and hypersensitivity to ultraviolet radiation in Cockayne's syndrome cells. Yatani R, et al. **Exp Mol Pathol** 1982 Jun;36(3):361–72

Cell culture studies on patients with extreme insulin resistance. I. Receptor defects on cultured fibroblasts. Podskalny JM, et al. **J Clin Endocrinol Metab** 1982 Feb; 54(2):261–8

Cell culture studies on patients with extreme insulin resistance. II. Abnormal biological responses in cultured fibroblasts. Podskalny JM, et al. **J Clin Endocrinol Metab** 1982 Feb;54(2):269–75

MORTALITY

[A case of thanatophoric dysplasia with long survival (author's transl)] Hamada S, et al. **Rinsho Hoshasen** 1981 Sep;26(9):989–92 (Eng. Abstr.) **(Jpn)**

PATHOLOGY

Picture of the month. Short–rib polydactyly dwarfism: Saldino–Noonan type. Kataria S, et al. **Am J Dis Child** 1982 Jul;136(7):639–40

Normal reconstruction of DNA supercoiling and chromatin structure in cockayne syndrome cells during repair of damage from ultraviolet light. Cleaver JE. **Am J Hum Genet** 1982 Jul;34(4):566–75

The morbid anatomy of the skeleton in osteogenesis imperfecta. Bullough PG, et al. **Clin Orthop** 1981 Sep; (159):42–57

In vitro culture of rabbit growth plate chondrocytes. 2. Chondrodystrophic mutants. Webber RJ, et al. **Growth** 1981 Autumn;45(3):269–78

Analysis of the dentition and orofacial skeleton in Seckel's bird–headed dwarfism. Tsuchiya H, et al. **J Maxillofac Surg** 1981 Aug;9(3):170–5

Fine structure of somatotrophs and mammotrophs in the pituitary pars distalis of the little (lit) mutant mouse. Christensen E, et al. **Virchows Arch [Cell Pathol]** 1981; 37(1):89–96

[Dysmorphic idiopathic dwarfisms and their ocular manifestations] François J. **J Fr Ophtalmol** 1981; 4(6–7):511–24 (92 ref.) **(Fre)**

[Seckel's syndrome: a form of chondrodysplasia? (author's transl)] Rodriguez JI, et al. **An Esp Pediatr** 1982 May; 16(5):406–15 (Eng. Abstr.) **(Spa)**

PHYSIOPATHOLOGY

A social study of dwarfing conditions. II. The experience of children with bone dysplasias, and of their parents. Stace L, et al. **Aust Paediatr J** 1981 Sep;17(3):172–6

Fibroblasts from a patient with leprechaunism are resistant to insulin, epidermal growth factor, and somatomedin C. Kaplowitz PB, et al. **J Clin Endocrinol Metab** 1982 Oct; 55(4):741–8

Insulin–like growth factor in pregnancy: studies in a growth hormone–deficient dwarf. Merimee TJ, et al. **J Clin Endocrinol Metab** 1982 Jun;54(6):1101–3

Relationship between sleep stage IV deficit and reversible HGH deficiency in psychosocial dwarfism. Guilhaume A, et al. **Pediatr Res** 1982 Apr;16(4 Pt 1):299–303

Decreased host cell reactivation of UV–irradiated adenovirus 5 by fibroblasts from Cockayne's syndrome patients. Day RS 3d, et al. **Photochem Photobiol** 1981 Nov;34(5):603–7

Immunochemical determination of pituitary growth hormone separated by polyacrylamide disc gel electrophoresis in normal and dwarf chickens. Hoshino S, et al. **Poult Sci** 1982 Apr;61(4):813–5

[The Cockayne syndrome. Endocrinological study apropos of a case] Ivaldi M, et al. **Minerva Pediatr** 1982 Feb 15; 34(3):107–16 (Eng. Abstr.) **(Ita)**

PREVENTION & CONTROL

[Auxological studies of 50 children with beta–thalassemia major] Agnello D, et al. **Pediatria (Napoli)** 1981; 89(2):207–17 (Eng. Abstr.) **(Ita)**

PSYCHOLOGY

A social study of dwarfing conditions. I. The reactions and questions of parents of children with bone dysplasias. Stace L, et al. **Aust Paediatr J** 1981 Sep;17(3):167–71

A social study of dwarfing conditions. III. The social and emotional experiences of adults with bone dysplasias. Stace L, et al. **Aust Paediatr J** 1981 Sep;17(3):177–82

RADIOGRAPHY

The spectrum of x–ray manifestations in Cockayne's syndrome. Bensman A, et al. **Skeletal Radiol** 1981; 7(3):173–7

[Diastrophic dwarfism—report on 2 cases] Borbolla L, et al. **Beitr Orthop Traumatol** 1981 Nov;28(11):586–92 (Eng. Abstr.) **(Ger)**

VETERINARY

Chondrodysplasia in the Norwegian Elkhound. Bingel SA, et al. **Am J Pathol** 1982 May;107(2):219–29

Dwarfism in Alaskan malamutes: a disease resembling metaphyseal dysplasia in human beings. Sande RD, et al. **Am J Pathol** 1982 Feb;106(2):224–36

Dwarfism in diverse genetic backgrounds. 4. Effects of dietary energy. Cherry JA, et al. **Poult Sci** 1981 Mar; 60(3):683–5

Changes in a somatomedin–like factor and immunoassayable growth hormone during growth of normal and dwarf pullets and cockerels. Hoshino S, et al. **Poult Sci** 1982 Apr; 61(4):777–84

Immunochemical determination of pituitary growth hormone separated by polyacrylamide disc gel electrophoresis in normal and dwarf chickens. Hoshino S, et al. **Poult Sci** 1982 Apr;61(4):813–5

DWARFISM, PITUITARY

BLOOD

Effect of growth hormone on the metabolic activity of phagocytes of peripheral blood in pituitary dwarfs and acromegaly. Rovenský J, et al. **Endocrinol Exp (Bratisl)** 1982;16(2):129–34

The assessment of GH reserve in normal and pituitary dwarfed children by L–proline loading in high dosage (500 mg/kg). Popa M, et al. **Endocrinologie** 1982 Jan–Mar; 20(1):37–41

Somatomedin peptide distribution and somatomedin–binding protein content in cord plasma: comparison to normal and hypopituitary plasma. Borsi L, et al. **J Clin Endocrinol Metab** 1982 Feb;54(2):223–8

Patterns of TSH response to TRH in children with hypopituitarism. Gruneiro de Papendieck L, et al. **J Pediatr** 1982 Mar;100(3):387–92

[The study of serum dehydroepiandrosterone sulfate levels in normal children and children with pituitary dwarfism (author's transl)] Tokuhiro E, et al. **Nippon Naibunpi Gakkai Zasshi** 1981 Sep 20;57(9):1186–98 (Eng. Abstr.) **(Jpn)**

[Laron's dwarfism] Demura R. **Nippon Rinsho** 1981 Sep; 39(9):3078–80 **(Jpn)**

[Oral clonidine test for growth hormone release (author's transl)] Moreno Romero F, et al. **An Esp Pediatr** 1981 Apr; 14(4):254–8 (Eng. Abstr.) **(Spa)**

DIAGNOSIS

[Diagnosis of hypothalmo–pituitary diseases (author's transl)] Kumahara Y. **Horumon To Rinsho** 1981 Jun;29(6):633–7 **(Jpn)**

DRUG THERAPY

Longitudinal anthropometric measurements in patients with growth hormone deficiency. Effect of human growth hormone treatment. Sorgo W, et al. **Eur J Pediatr** 1982 Feb;138(1):38–45

[Effect of sulfonylurea compounds on insulin secretion and growth rate in children with hypothalamo–pituitary dwarfism] Amendt P, et al. **Kinderarztl Prax** 1981 Sep; 49(9):473–9 (Eng. Abstr.) **(Ger)**

[Hormonal treatment of hypophyseal dwarfism, a cause of epiphyseolisthesis capitis femoris? (author's transl)] Möhler W, et al. **Z Orthop** 1981 Feb;119(1):89–91 (Eng. Abstr.) **(Ger)**

[Pituitary dwarfism. Evaluation of our cases] Bartolotta E, et al. **Minerva Med** 1982 May 12;73(20):1421–4 **(Ita)**

[Effectiveness of a Soviet human somatotropin in treating hypothalamo–hypophyseal nanism] Lashene DG. **Probl Endokrinol (Mosk)** 1982 May–Jun;28(3):39–43 **(Rus)**

[Pituitary dwarfism. Our experience with human growth hormone treatment] Sanz Moreno J, et al. **Rev Clin Esp** 1981 Oct 31;163(2):105–10 (Eng. Abstr.) **(Spa)**

FAMILIAL & GENETIC

Familial isolated growth hormone deficiency. van Gelderen HH, et al. **Clin Genet** 1981 Aug;20(2):173–5

Pituitary function in 8 patients with familial pituitary dwarfism. Batrinos ML, et al. **Helv Paediatr Acta** 1981 Nov; 36(5):417–27

Marfan syndrome and pituitary dwarfism. Endo Y. **Jinrui Idengaku Zasshi** 1981 Jun;26(2):91–6

Molecular basis of growth hormone deficiency [news] Wallis M. **Nature** 1982 Mar 11;296(5853):112–3

METABOLISM

Immunohistological study of the anterior pituitary gland - pars distalis and pars intermedia - in dwarf mice. Roux M, et al. **Cell Tissue Res** 1982;223(2):415–20

OCCURRENCE

Occurrence of four types of growth hormone–related dwarfism in Israeli communities. Adam A, et al. **Eur J Pediatr** 1981 Sep;137(1):35–9

[A clinical study on dwarfism (author's transl)] Watanabe N. **Fukuoka Igaku Zasshi** 1982 Feb;73(2):90–108 (Eng. Abstr.) **(Jpn)**

PATHOLOGY

Fine structure of somatotrophs and mammotrophs during development of the dwarf (dw) mutant mouse. Wilson DB, et al. **J Anat** 1981 Oct;133(Pt 3):407–17

PHYSIOPATHOLOGY

Cellular growth in organs of dwarf mice during treatment with growth hormone, thyroxine and plasma fractions containing somatomedin activity. van Buul-Offers S, et al. **Acta Endocrinol (Copenh)** 1982 Jan;99(1):150–60

Cellular growth in several organs of normal and dwarfed Snell mice. van Buul-Offers S, et al. **Acta Endocrinol (Copenh)** 1982 Jan;99(1):141–9

PSYCHOLOGY

Cognitive and emotional functioning in hypopituitary short-statured children. Abbott D, et al. **Schizophr Bull** 1982;8(2):310–9

THERAPY

[Treatment of growth hormone secretion disorders] Manojlović D. **Srp Arh Celok Lek** 1981 May–Jun; 109(5–6):723–9 (Eng. Abstr.) **(Scc)**

DYCLONINE see under **PROPIOPHENONES**

DYDROGESTERONE

THERAPEUTIC USE

Dehydrogesterone versus vaginal progesterone in the treatment of the endometrial luteal phase deficiency. Balasch J, et al. **Fertil Steril** 1982 Jun;37(6):751–4

[Treatment of juvenile dysmenorrhea with 6-dehydro-retro-progesterone] Ohlenroth G, et al. **Med Welt** 1982 Apr 30;33(17):645–6 **(Ger)**

DYE DILUTION TECHNIC

Simultaneous computer-calculated carbon dioxide and oxygen direct Fick and dye dilution measurements of cardiac output in dogs. Noe FE, et al. **Acta Anaesthesiol Scand** 1981 Feb;25(1):12–6

Measurement of coronary reactive hyperemia during clinical angiography by video dilution technique. Foerster JM, et al. **Acta Radiol [Diagn] (Stockh)** 1981;22(3A):209–16

Ejection fraction derived using dye dilution and angiographic methods. French WJ, et al. **Am Heart J** 1982 Jul; 104(1):104–8

[Comparative evaluation of impedance cardiographic and dye dilution methods in determining hemodynamic indices] Kaloianova A. **Vutr Boles** 1981;20(4):93–8 (Eng. Abstr.) **(Bul)**

[A modified dye dilution method to estimate leakage during regional isolated perfusion of the extremity (author's transl)] Ghussen F, et al. **Res Exp Med (Berl)** 1982; 180(2):179–87 (Eng. Abstr.) **(Ger)**

[Non-invasive and quantitative method for making the diagnosis of congenital heart disease having shunt. Analysis of dye dilution curve recorded by earpiece, following injection into the peripheral vein (author's transl)] Kawagoe S. **Nippon Ika Daigaku Zasshi** 1982;49(3):403–20 **(Jpn)**

INSTRUMENTATION

Indicator dilution using a fluorescent indicator. Elings VB, et al. **J Appl Physiol** 1982 May;52(5):1368–74

DYES

see related

STAINS AND STAINING

An evaluation of the azocoll colorimetric assay for quantitating proteolytic enzymes. O'Reilly S, et al. **Acta Cient Venez** 1981;32(1):105–8

Orseillein–aniline blue. A new stain for erythroblasts. Kass L. **Am J Clin Pathol** 1981 Sep;76(3):302–4

Advantages of ferric ferricyanide to detect certain peptides and proteins on chromatograms. Lutz WB, et al. **Anal Biochem** 1982 Mar 1;120(2):410–3

The purification of SP1-beta (pregnancy-specific beta 1-glycoprotein) using immobilized triazine dyes. McFarthing KG, et al. **Anal Biochem** 1982 May 1; 122(1):186–93

Studies on the distribution of feulgen-DNA content in normal and pathological human spermatozoa. Ebert L, et al. **Andrologia** 1982 May–Jun;14(3):229–35

Spectral changes induced in Cibacron Blue F3GA by salts, organic solvents, and polypeptides: implications for blue dye interaction with proteins. Subramanian S. **Arch Biochem Biophys** 1982 Jun;216(1):116–25

A trichrome stain for intrahepatic localization of hepatitis B surface antigen. Sajjad SM, et al. **Arch Pathol Lab Med** 1982 Jun;106(6):298–9

Effects of ionophores and metabolic inhibitors on the mitochondrial membrane potential within isolated hepatocytes as measured with the safranine method. Akerman KE, et al. **Biochem J** 1980 Oct 15;192(1):183–90

The molecular composition of the volutin granule of yeast. Jacobson L, et al. **Biochem J** 1982 Mar 1;201(3):473–9

The effect of ligand presaturation on the interaction of serum albumins with an immobilized Cibacron Blue 3G-A studied by affinity gel electrophoresis. Metcalf EC, et al. **Biochem J** 1981 Dec 1;199(3):465–72

Interaction of bromophenol blue and related dyes with bovine neurophysin-I: use as a probe of neurophysin chemistry. Carlson JD, et al. **Biochemistry** 1981 Aug 18; 20(17):5062–72

The measurement of membrane potential using optical indicators. Bashford CL. **Biosci Rep** 1981 Mar;1(3):183–96 (57 ref.)

Sudan Black B positivity in acute lymphoblastic leukaemia. Tricot G, et al. **Br J Haematol** 1982 Aug;51(4):615–21

Feulgen staining with picric and m-phosphoric acid Schiff reagents and their shelf-life. Dutt MK. **Cell Mol Biol** 1981; 27(2–3):175–9

Interactions of different albumins and animal sera with insolubilized Cibacron Blue, Evaluation of apparent affinity constants. Naval J, et al. **Comp Biochem Physiol [B]** 1982; 71(3):403–7

Interactions between pairs of DNA-binding dyes: results and implications of chromosome analysis. Latt SA, et al. **Cytometry** 1980 Jul;1(1):2–12

Separation of erythrocyte enzymes from hemoglobin by chromatography on Blue-Sepharose. Porumb H, et al. **FEBS Lett** 1982 Mar 8;139(1):41–4

Quantification of nuclear non-histone proteins by Feulgen—Naphthol Yellow S cytophotometry. Gaub J. **Histochem J** 1981 Sep;13(5):717–22

Quantitative cytochemistry of nuclear and cytoplasmic proteins using the Naphthol Yellow S and dinitrofluorobenzene staining methods. Tas J, et al. **Histochem J** 1981 Sep;13(5):711–6

Combined staining procedures for cytophotometry of protein and DNA. Feulgen–Naphthol Yellow S and dinitrofluorobenzene–Feulgen. Mitchell JP, et al. **Histochemistry** 1981;73(2):211–23

The addition of SDS to the Bradford dye-binding protein assay, a modification with increased sensitivity to collagen. Duhamel RC, et al. **J Biochem Biophys Methods** 1981 Aug; 5(2):67–74

Stain removal from a silicone maxillofacial elastomer. Yu R, et al. **J Dent Res** 1981 Oct;60(10):1754–8

Feulgen–deoxyribonucleic acid analysis of rabbit aortic smooth muscle cells using scanning- integrating microdensitometry. Anthony A, et al. **J Histochem Cytochem** 1981 Oct;29(10):1164–70

National cancer institute monographs. **Natl Cancer Inst Monogr** 1981 Dec;(58):1–258

N-Substituted aryl compounds in carcinogenesis and mutagenesis. Weisburger EK. **Natl Cancer Inst Monogr** 1981 Dec;(58):1–7

Induction of hepatoma in mice by direct deep Black-Extra (DDB-EX) and occurrence of serum AFP. Asada I, et al. **Nippon Geka Hokan** 1981 Jan 1;50(1):45–55

Preparation of homogeneous alkaline phosphatase from calf intestine by dye-ligand chromatography. Kirchberger J, et al. **Prep Biochem** 1982;12(1):29–47

Hibiscin for mucin. Gowali FM. **Stain Technol** 1982 Jan; 57(1):57–8

ASTRIN - a new trichrome staining technique. Balogh G, et al. **Z Mikrosk Anat Forsch** 1982;96(1):138–44

Adaptation of Mallory's trichrome stain to insect tissue epoxy sections. Weyda F. **Z Mikrosk Anat Forsch** 1982; 96(1):79–80

[Fluorescence histochemical demonstration of elastic fibers with rhodamine 6 G extra (ethyl ester)] Schmidt T. **Gegenbaurs Morphol Jahrb** 1981;127(5):680–2 **(Ger)**

[Sanitary microbiological evaluation of the effectiveness of treating waste waters from the aniline dye industry for the purpose of their reuse] Zotova VI, et al. **Gig Sanit** 1982 May;(5):18–21 (Eng. Abstr.) **(Rus)**

[Group-specific adsorbents linked with dyes - structural analogs of coenzymes used for isolation and purification of enzymes: a review] Pesliakas IgI, et al. **Prikl Biokhim Mikrobiol** 1981 May–Jun;17(3):456–71 (75 ref.) (Eng. Abstr.) **(Rus)**

[Development and the characteristics of using the Kolorit set of dyes for tinting the porcelain in preparing fixed dentures] Inozemtseva AA, et al. **Stomatologiia (Mosk)** 1982 May–Jun;61(3):56–7 (Eng. Abstr.) **(Rus)**

[Cytochemistry of the binding of dyes and fluorochromes with DNA and chromatin] Stockert JC, et al. **Medicina (B Aires)** 1981;41 Suppl:96–100 (Eng. Abstr.) **(Spa)**

ADMINISTRATION & DOSAGE

Effect of triple dye cord care on bacterial colonization in newborn infants. Kumar A, et al. **Ohio State Med J** 1981 Nov;77(11):667–9

ADVERSE EFFECTS

Dermatitis from an azo-dye in industrial leather protective shoes. Ancona A, et al. **Contact Dermatitis** 1982 May; 8(3):220–1

Modified Draize sensitization test with D&C yellow no. 10 in combination dye systems. Aust LB, et al. **Contact Dermatitis** 1981 Nov;7(6):357

Sensitizing anthraquinone dye in spectacle frames. Dooms-Goossens A, et al. **Contact Dermatitis** 1981 Jul; 7(4):214–5

Allergy to chalk dyes. Lovell CR, et al. **Contact Dermatitis** 1981 Nov;7(6):345

Occupational contact dermatitis from C.I. Acid Red 85 (C.I. 22245). Pedersen NB. **Contact Dermatitis** 1982 Mar;8(2):142

Some aromatic amines and azo dyes in the general and industrial environment. **IARC Sci Publ** 1981;4(40):1–347

Pseudolymphomatous reaction to tattoos. Report of three cases. Blumental G, et al. **J Am Acad Dermatol** 1982 Apr; 6(4 Pt 1):485–8

Specific aromatic amines as occupational bladder carcinogens. Clayson DB. **Natl Cancer Inst Monogr** 1981 Dec;(58):15–9

Urinary bladder carcinogenesis with N-substituted aryl compounds: initiation and promotion. Cohen SM. **Natl Cancer Inst Monogr** 1981 Dec;(58):63–7

Occupational exposure to aromatic amines: benzidine and benzidine-based dyes. Walker B Jr, et al. **Natl Cancer Inst Monogr** 1981 Dec;(58):11–3

Sensitivity to Patent Blue dye during skin-prick testing and lymphography. A retrospective and prospective study. Kalimo K, et al. **Radiology** 1981 Nov;141(2):365–7

[Red pigment dyes and acne. Clinical observations and experimental investigations (author's transl)] Franz E, et al. **Z Hautkr** 1982 May 1;57(9):655–61 (Eng. Abstr.) **(Ger)**

[Allergic reaction to Patent Bleu V during lymphoadenographic examination. 2 case reports] Fuochi C, et al. **Radiol Med (Torino)** 1982 May;68(5):363–5 **(Ita)**

[Allergic manifestations due to dyes, in the ocular sphere] Mihail S, et al. **Rev Chir [Oftalmol]** 1981 Jul–Sep; 25(3):175–6 **(Rum)**

[Current problems in improving periodic medical examinations in machine manufacturing and aniline dye industries] Dynnik VI, et al. **Gig Tr Prof Zabol** 1981 Jul; (7):45–6 **(Rus)**

ANALYSIS

The feulgen-deoxyribonucleic acid absorption spectra in salivary glands of the dipteran, Bradysia spatitergum. Mello ML, et al. **Cell Mol Biol** 1981;27(4):353–8

Photometric studies on Xylidine Ponceau–collagen interaction. Pimentel ER, et al. **Cell Mol Biol** 1981; 27(4):347–52

Occurrence and fate of certain triphenylmethane blue dyestuffs in the aquatic environment. Richardson ML, et al. **Ecotoxicol Environ Safety** 1981 Dec;5(4):424–36

Results of product examination of coal–tar dyes including dye aluminum lakes from April in 1979 till March in 1981 (on the product examination of coal–tar dyes XIX) Iwaida M, et al. **Eisei Shikenjo Hokoku** 1981;99:189–90

Chemoelectronic mobilization of chemical species in low-conductivity fluids: new electrokinetic effect. Haber N. **Proc Natl Acad Sci USA** 1982 Jan;79(2):272–6

[Comparison of methods of determining trace amounts of lead (II) in dyes and cosmetics] Masłowska J, et al. **Rocz Panstw Zakl Hig** 1981;32(4):327–32 (Eng. Abstr.) **(Pol)**

DIAGNOSTIC USE

Outlines of the Feulgen acid hydrolysis. Kjelstrand P. **Acta Histochem [Suppl] (Jena)** 1979;20:37–9

Acriflavine–Feulgen–Stilbene: a combined DNA–protein staining procedure. Tanke HJ, et al. **Acta Histochem [Suppl] (Jena)** 1979;20:65–8

A new approach to the staining of lipids with Sudan Black B: a study by means of polyacrylamide model films containing liposomes. Tas J, et al. **Acta Histochem [Suppl] (Jena)** 1980;21:123–9

Nonspecific esterase activity in plastic-embedded tissues using Meldola Blue. Cannon MS, et al. **Am J Clin Pathol** 1982 Apr;77(4):465–7

Staining of granulocytic cells by Chlorazol black E. Kass L. **Am J Clin Pathol** 1981 Dec;76(6):810–2

The trichrome-stained smear as a screening method for intestinal parasites: evaluation in a San Francisco Bay Area population. Takahashi H. **Am J Med Technol** 1982 Jun; 48(6):531–3

Sudan IV stain. Its limitations in evaluating parathyroid functional status. Dufour DR, et al. **Arch Pathol Lab Med** 1982 May;106(5):224–7

New simple dye-uptake assay for interferon. Imanishi J, et al. **Biken J** 1981 Sep;24(3):103–8

Detection of luxol-fast-blue positive cells in human promyelocytic leukemia cell line HL-60. Lu L, et al. **Exp Hematol** 1981 Oct;9(9):887–92

Comparison of direct wet mount and trichrome staining techniques for detecting Entamoeba species trophozoites in stools. Gardner BB, et al. **J Clin Microbiol** 1980 Nov; 12(5):656–8

A simple stain for differentiating semen constituents. Alford LM, et al. **J Urol** 1981 Nov;126(5):609–10

Optical recording of conducted action potential in heart muscle using a voltage-sensitive dye. Sawanobori T, et al. **Jpn J Physiol** 1981;31(3):369–80

Measurement of SCE frequencies in plants: a simple Feulgen-staining procedure for vicia faba. Tempelaar MJ, et al. **Mutat Res** 1982 Mar;103(3–6):321–6

Detection of Toxoplasma infectionin pork by Sabin–Feldman's dye test with meat extract. Hagiwara T, et al. **Nippon Juigaku Zasshi** 1981 Oct;43(5):763–5

[Staining with naphthol yellow S. 1. Evaluation of the Keq of the protein-dye binding reaction] Bignone FA, et al. **Boll Soc Ital Biol Sper** 1981 May 15;57(9):944–9 (Eng. Abstr.) **(Ita)**

[Staining with naphthol yellow S. 2. Study of the reversibility of the protein-dye binding reaction] Bignone FA, et al. **Boll Soc Ital Biol Sper** 1981 May 15;57(9):950–5 (Eng. Abstr.) **(Ita)**

[Magnifying observation of gastric mucosal surface in fresh resected specimens by cresyl violet staining (author's transl)] Furuta Y. **Nippon Shokakibyo Gakkai Zasshi** 1982 Jan;79(1):121 **(Jpn)**

[Use of x-ray prints with dyes] Vintergal'ter SF, et al. **Vestn Rentgenol Radiol** 1981 Sep-Oct;(5):57–9 **(Rus)**

IMMUNOLOGY

[Sensitizing action of new synthetic dyes intended for the printing design of packaging materials used in the food industry] Shvaĭko II, et al. **Vrach Delo** 1982 Apr;(4):104–6 **(Rus)**

ISOLATION & PURIFICATION

The extraction and classification of dyes from cellulose acetate fibres. Beattie B, et al. **J Forensic Sci Soc** 1981 Jul;21(3):233–7

METABOLISM

Decreased drug binding in uraemia: effect of indoxyl sulphate and other endogenous substances on the binding of drugs and dyes to human albumin. Bowmer CJ, et al. **Biochem Pharmacol** 1982 Feb 1;31(3):319–23

Stoichiometry of the reactions of calcium with the metallochromic indicator dyes antipyrylazo III and arsenazo III. Ríos E, et al. **Biophys J** 1981 Dec;36(3):607–21

Rat liver microsomal azoreductase activity on four azo dyes derived from benzidine, 3,3'-dimethylbenzidine or 3,3'-dimethoxybenzidine. Martin CN, et al. **Carcinogenesis** 1981;2(4):307–12

Absorption, distribution and excretion of [14C]carmoisine in mice after oral and intravenous administration. Galli CL, et al. **Food Cosmet Toxicol** 1981 Aug;19(4):413–8

Metabolic activation of aromatic amines and azo dyes. Bartsch H. **IARC Sci Publ** 1981;4(40):13–30 (76 ref.)

Effect of liposome encapsulation of a fluorescent dye on its uptake by the lymphatics of the rat. Parker RJ, et al. **Pharmacology** 1981;23(3):128–36

Chemical monitoring of urine from workers potentially exposed to benzidine-derived azo dyes. Lowry LK, et al. **Toxicol Lett** 1980 Nov;7(1):29–36

[Selective, time dependent accumulation of the triphenylmethane dyes bromphenol blue, bromoresol green and iodophenol blue in mouse tumors] Graffi A. **Z Exp Chir** 1981 Dec;14(6):325–35 (Eng. Abstr.) **(Ger)**

[Reaction between x-ray contrast media and dyes and hepatocyte plasma membranes] Sergeev PV, et al. **Farmakol Toksikol** 1981 Mar-Apr;44(2):195–200 (Eng. Abstr.) **(Rus)**

[Benzidine content of the urine of rats after the administration of benzidine-based dyes] Zhdan VM, et al. **Gig Tr Prof Zabol** 1982 Jan;(1):32–5 (Eng. Abstr.) **(Rus)**

PHARMACODYNAMICS

Effect of alizarin red S on rat blood and its calcium content. Isotupa K, et al. **Acta Anat (Basel)** 1981;109(4):355–9

Variations of some parameters of enzyme induction in chemical workers. Dolara P, et al. **Ann Occup Hyg** 1982; 25(1):27–32

Mutagenicity testing of some commonly used dyes. Chung KT, et al. **Appl Environ Microbiol** 1981 Oct;42(4):641–8

Inhibitory effect of Cibacron Blue F3GA on the O2-generating enzyme of guinea pig polymorphonuclear leukocytes. Yamaguchi T, et al. **Biochem Biophys Res Commun** 1982 Jan 15;104(1):200–6

The interaction of yeast hexokinase with Procion Green H-4G. Clonis YD, et al. **Biochem J** 1981 Jul 1; 197(1):203–11

Specific requirement for inorganic phosphate for induction of bilayer membrane conductance by the cationic uncoupler carbocyanine dye. Terada H, et al. **Biochim Biophys Acta** 1981 Sep 7;646(3):488–90

Inhibition by clinically used dyes of prostaglandin inactivation in rat and human lung. Bakhle YS. **Br J Pharmacol** 1981 Apr;72(4):715–21

Structural and functional degradation of Ca2+:Mg2+-ATPase rich sarcoplasmic reticulum vesicles photosensitized by erythrosin B. Watson BD, et al. **Chem Biol Interact** 1982 Sep;41(3):313–25

Interaction of organic dyes with hepatic microsomal drug-metabolizing monooxygenases in vitro. Beyhl FE. **Experientia** 1981;37(9):943–5

Inhibition of iodothyronine deiodinase by phenolphthalein dyes: structure--activity relationship. Fekkes D, et al. **FEBS Lett** 1982 Jan 11;137(1):40–4

Inhibition of mitochondrial nucleotide transport and phosphorylation by Cibacron blue 3G-A. Petrescu I, et al. **FEBS Lett** 1982 May 17;141(2):148–52

Disparate in vivo and in vitro immunomodulatory activities of rhodamine B. Wess JA, et al. **Food Chem Toxicol** 1982 Feb;20(1):9–14

The effect of dyes used to evaluate the in situ, ex-vivo, and perfused kidney. Burleson RL, et al. **Invest Urol** 1981 Nov; 19(3):165–8

Effects of xanthene dyes in cattle diets for insect control: diet digestibility and fecal excretion. Fairbrother TE, et al. **J Anim Sci** 1982 Mar;54(3):632–9

Magnetic susceptibility studies of native and thionine-oxidized molybdenum-iron protein from Azotobacter vinelandii nitrogenase. Smith JP, et al. **J Biol Chem** 1982 Mar 10;257(5):2310–3

Interaction of aromatic dyes with the coenzyme A binding site of choline acetyltransferase. Mautner HG, et al. **J Med Chem** 1981 Dec;24(12):1534–7

The mechanism of voltage-sensitive dye responses on sarcoplasmic reticulum. Beeler TJ, et al. **J Membr Biol** 1981;62(1–2):113–37

Dye-sensitized photodynamic inactivation of cells. Pooler JP, et al. **Med Phys** 1981 Sep-Oct;8(5):614–28

Effect of Cibachron Blue F3GA on the polymerization of actin. Shanbhag VP, et al. **Mol Cell Biochem** 1981 Jul 7; 37(2):71–4

A review of the genotoxicity of food, drug and cosmetic colours and other azo, triphenylmethane and xanthene dyes. Combes RD, et al. **Mutat Res** 1982 Mar;98(2):101–248 (365 ref.)

Photodynamic effects of dyes on bacteria. V. Mutagenesis by acridine orange and 460-nm or 500-nm light in strains of Escherichia coli that differ in repair capability. Hass BS, et al. **Mutat Res** 1982 May;94(1):39–51

Analysis of a method for testing azo dyes for mutagenic activity in Salmonella typhimurium in the presence of flavin mononucleotide and hamster liver S9. Prival MJ, et al. **Mutat Res** 1982 Apr;97(2):103–16

Effects of trypan blue and related compounds on production and activity of streptolysin S. Taketo Y, et al. **Z Naturforsch [C]** 1982 May-Jun;37(5–6):385–9

[Bactericidal activity of the dye Erio acid red XB 400 towards Bacillus thuringiensis] Smirnoff WA. **Can J Microbiol** 1981 Sep;27(9):952–5 (Eng. Abstr.) **(Fre)**

[Effect of various chemical compounds on induction of the reversion of histidine mutants of Salmonella typhimurium] Gałkiewicz E, et al. **Med Dosw Mikrobiol** 1980; 32(4):243–51 (Eng. Abstr.) **(Pol)**

[Action of acridine dyes on antibiotic, pigment and aerial mycelium formation in streptomycete producers of multicomponent antibiotics] Lapchinskaia OA, et al. **Antibiotiki** 1981 Nov;26(11):809–13 (Eng. Abstr.) **(Rus)**

[Experimental study of the blastomogenic properties of Basic Blue K] Seliuzhitskiĭ GV, et al. **Gig Sanit** 1982 Apr;(4):30–2 (Eng. Abstr.) **(Rus)**

POISONING

Chrysoidine-dyed bait: a possible carcinogenic hazard to anglers? [letter] Searle CE, et al. **Lancet** 1982 Mar 6; 1(8271):564

The importance of accurate recording and optimal treatment of dye ingestions. Orzeck D, et al. **Vet Hum Toxicol** 1981 Aug;23(4):276–8

RADIATION EFFECTS

Preparation & cytochemical properties of Schiff-type dye-SO2 reagents: role of UV rays. Dutt MK. **Indian J Exp Biol** 1981 Jul;19(7):617–20

Hydroxyanthraquinone dye solutions for radiation dosimetry. Bedear El-Assy N, et al. **Int J Appl Radiat Isot** 1982 Jun; 33(6):433–8

Radiation damage and hydrogen bonding in some aminoanthraquinone dyes. Sekkina MM, et al. **Int J Appl Radiat Isot** 1981 Nov;32(11):847–9

TOXICITY

Handle with care [letter] Savage RA. **Am J Clin Pathol** 1982 Apr;77(4):511

Comparative toxicity of rhodamine B and rhodamine 6G to the house fly (Musca domestica l.). Respicio NC, et al. **Bull Environ Contam Toxicol** 1981 Aug;27(2):274–81

Mutagenicity in Salmonella of dyes used by defence personnel for the detection of liquid chemical warfare agents. Nestmann ER, et al. **Carcinogenesis** 1981; 2(9):879–83

Carcinogenicity of 4-chloro-o-phenylenediamine, 4-chloro-m-phenylenediamine, and 2-chloro-p-phenylenediamine in Fischer 344 rats and B6C3F1 mice. Weisburger EK, et al. **Carcinogenesis** 1980 Jun;1(6):495–9

D & C Yellow Nos. 10 and 11: delayed contact hypersensitivity in the guinea pig. Lamson SA, et al. **Contact Dermatitis** 1982 May;8(3):200–3

Mutagenicity tests of fabric-finishing agents in Salmonella typhimurium: fiber-reactive wool dyes and cotton flame retardants. MacGregor JT, et al. **Environ Mutagen** 1980; 2(3):405–18

Action of dyes and indicators on rat-liver regeneration. Gershbein LL. **Food Chem Toxicol** 1982 Feb;20(1):1–8

Carcinogenicity of aromatic amines and azo dyes and their role in the development of human cancer. Chernozemsky IN, et al. **IARC Sci Publ** 1981;4(40):3–12

Residual benzidine in imported and domestic benzidine dyes. Boeniger MF, et al. **Toxicol Lett** 1981 Dec;9(4):415–20

[Hygienic study of a new polymeric thickening agent and a printing ink based on it] Chekal' VN, et al. **Gig Sanit** 1981 Aug;(8):87 **(Rus)**

URINE

Possible carcinogenic metabolites of azo dye and pigment: trace-level determination of benzidine, 3,3'-dichlorobenzidine and their acetylated and conjugated products in human and hamster urine. Bowman MC, et al. **IARC Sci Publ** 1981;4(40):193–217

DYFONATE see under **INSECTICIDES, ORGANOTHIOPHOSPHATE**

DYNEIN see under **ADENOSINE TRIPHOSPHATASE**

DYPHYLLINE see under **THEOPHYLLINE**

DYSARTHRIA see under **SPEECH DISORDERS**

DYSAUTONOMIA, FAMILIAL

COMPLICATIONS

A new type of non-progressive sensory neuropathy in children with atypical dysautonomia. Nordborg C, et al. **Acta Neuropathol (Berl)** 1981;55(2):135–41

Aseptic necrosis in familial dysautonomia. Mitnick JS, et al. **Radiology** 1982 Jan;142(1):89–91

FAMILIAL & GENETIC

Congenital cholinergic nervous system dysfunction in identical twins. Kien CL, et al. **Ann Neurol** 1981 Dec; 10(6):576–9

MORTALITY

Familial dysautonomia: a prospective study of survival. Axelrod FB, et al. **J Pediatr** 1982 Aug;101(2):234–6

PATHOLOGY

Depletion of substance P-containing axons in substantia gelatinosa of patients with diminished pain sensitivity. Pearson J, et al. **Nature** 1982 Jan 7;295(5844):61–3

PHYSIOPATHOLOGY

Hypersensitivity to N-methyl-N'-nitro-N-nitrosoguanidine in fibroblasts from patients with Huntington disease, familial dysautonomia, and other primary neuronal degenerations. Scudiero DA, et al. **Proc Natl Acad Sci USA** 1981 Oct;78(10):6451–5

PSYCHOLOGY

Behavioral effects of early deprivation of nerve growth factor: some similarities with familial dysautonomia. Bell J, et al. **Brain Res** 1982 Feb 25;234(2):409–21

Child psychiatric problems in 'autonomous dysfunction'. Meijer A, et al. **Child Psychiatry Hum Dev** 1981 Winter; 12(2):96–105

SURGERY

Gastroesophageal fundoplication and gastrostomy in familial dysautonomia. Axelrod FB, et al. **Ann Surg** 1982 Mar; 195(3):253–8

DYSBETALIPOPROTEINEMIA see **HYPERLIPOPROTEINEMIA TYPE III**

DYSCHONDROPLASIA

COMPLICATIONS

A case of Maffucci's syndrome associated with primary hyperparathyroidism. Nemoto Y, et al. **Endocrinol Jpn** 1981 Jun;28(3):363–7

Ollier's Disease. An assessment of angular deformity, shortening, and pathological fracture in twenty-one patients. Shapiro F. **J Bone Joint Surg [Am]** 1982 Jan; 64-A(1):95–103

Maffucci's syndrome with fibroadenomas of the breasts. Cheng FC, et al. **J R Coll Surg Edinb** 1981 May;26(3):181–3

Parasellar chondrosarcoma in a patient with Ollier's disease. Reuter K, et al. **Neuroradiology** 1981;22(3):151–4

[Malocclusion caused by dyschondroplasia] Funaki J. **Kokubyo Gakkai Zasshi** 1981 Dec;48(4):476 **(Jpn)**

CONGENITAL

[Neuropathological findings in a case of fetal chondrodysplasia] Galatioto S, et al. **Arch De Vecchi Anat Patol** 1980;64(1):103–5 **(Ita)**

FAMILIAL & GENETIC

Clinical variation in dyschondrosteosis. A report on 13 individuals in 8 families. Dawe C, et al. **J Bone Joint Surg [Br]** 1982;64(3):377–81

Familial osteopathia striata with cranial condensation. Cortina H, et al. **Pediatr Radiol** 1981;11(2):87–90

[Mesomelic dwarfism of the Langer type as a homozygous form of dyschondrosteosis (author's transl)] Kemperdick H, et al. **ROFO** 1982 May;136(5):583–7 **(Ger)**

METABOLISM

Histochemistry and ultrastructure of the growth plate in metaphyseal dysostosis: further observations on the structure of the cartilage matrix. Maynard JA, et al. **J Pediatr Orthop** 1981;1(2):161–9

PATHOLOGY

Abnormal pattern of segment long spacing (SLS) cartilage collagen in diastrophic dysplasia. Stanescu R, et al. **Coll Relat Res** 1982;2(2):111–6

[Seckel's syndrome: a form of chondrodysplasia? (author's transl)] Rodriguez JI, et al. **An Esp Pediatr** 1982 May; 16(5):406–15 (Eng. Abstr.) **(Spa)**

[Leri–Weill dyschondrosteosis] Fernández Mariño EA, et al. **Rev Clin Esp** 1981 Sep 15;162(5):235–7 **(Spa)**

RADIOGRAPHY

A case of Maffucci's syndrome. Tilsley DA, et al. **Br J Dermatol** 1981 Sep;105(3):331–6

Metaphyseal chondrodysplasia with ectodermal dysplasia. Jequier S, et al. **Skeletal Radiol** 1981;7(2):107–12

Generalized enchondromatosis with unusual complications of soft tissue calcifications and hemangiomas. Follow-up for over a twelve-year period. Kaibara N, et al. **Skeletal Radiol** 1982;8(1):43–6

[Diagnosis of osteochondrodysplasia with particular reference to radiological examination (author's transl)] Winkielman J, et al. **Pol Przegl Radiol** 1981 May–Jun; 45(3):169–72 (Eng. Abstr.) **(Pol)**

[Clinical x-ray characteristics of Ollier's disease] Shamatov NM, et al. **Ortop Travmatol Protez** 1981 Apr;(4):55–7 (Eng. Abstr.) **(Rus)**

VETERINARY

Chondrodysplasia in the Alaskan Malamute: involvement of arteries, as well as bone and blood. Terpin T, et al. **Am J Vet Res** 1981 Nov;42(11):1865–73

Osseous development and tibial dyschondroplasia in five lines of turkeys. Walser MM, et al. **Avian Dis** 1982 Apr–Jun; 26(2):265–71

Tibial dyschondroplasia in broilers: comparison to dietary additives and strains. Veltmann JR Jr, et al. **Poult Sci** 1981 Jul;60(7):1473–8

DYSCHONDROSTEOSIS see **DYSCHONDROPLASIA**

DYSEMBRYOMA

DIAGNOSIS

[Benign dysembryoplasic tumor and mucocele of the frontal sinus] Popescu N, et al. **Rev Chir [Otorinolaringol]** 1981 Apr–Jun;26(2):151–4 (Eng. Abstr.) **(Rum)**

[2 cases of mediastinal tumors in newborn infants] Curteanu G, et al. **Rev Pediatr Obstet Ginecol [Pediatr]** 1982 Jan–Mar;31(1):25–33 **(Rum)**

DYSENTERY

MICROBIOLOGY

Dysentery form gastroenteritis in infancy. Soeparto P, et al. **Paediatr Indones** 1981 Jul–Aug;21(7–8):161–7

OCCURRENCE

Isolation of Campylobacter fetus subsp. jejuni from Bangladeshi children. Blaser MJ, et al. **J Clin Microbiol** 1980 Dec;12(6):744–7

VETERINARY

Studies on the properties of Treponema hyodysenteriae with special regard to its systematic position. Molnár L. **Acta Vet Acad Sci Hung** 1981;29(1):17–27

Sensitivity to different chemotherapeutics of Treponema hyodysenteriae strains isolated in Hungary. Molnár L, et al. **Acta Vet Acad Sci Hung** 1981;29(2):111–8

Anti-dysenteric and growth-promoting effect of virginiamycin in pigs. Pesti L, et al. **Acta Vet Acad Sci Hung** 1981;29(2):183–91

Swine dysentery: a scanning electron microscopic investigation. Teige J Jr, et al. **Acta Vet Scand** 1981; 22(2):218–25

Induction of swine dysentery in swine by the intravenous injection of filtered Treponema hyodysenteriae. Olson LD. **Can J Comp Med** 1981 Oct;45(4):371–6

Swine dysentery: the influence of dietary vitamin E and selenium on the clinical and pathological effects of Treponema hyodysenteriae infection in pigs. Teige J, et al. **Res Vet Sci** 1982 Jan;32(1):95–100

Tiamulin feed premix in the prevention and control of swine dysentery under farm conditions in the UK. Burch DG. **Vet Rec** 1982 Mar 13;110(11):244–6

Eradication of swine dysentery from closed pig herds [letter] Coulson A. **Vet Rec** 1981 Jun 6;108(23):503

Winter dysentery: a coronavirus-like agent in the faeces of beef and dairy cattle with diarrhoea. Espinasse J, et al. **Vet Rec** 1982 Apr 17;110(16):385

Eradication of swine dysentery from closed pig herds. Muirhead MR. **Vet Rec** 1981 Jun 27;108(26):567

Tiamulin water medication in the treatment of swine dysentery under farm conditions. Pickles RW. **Vet Rec** 1982 Apr 24;110(17):403–5

Eradication of swine dysentery from closed pig herds [letter] Tasker JB, et al. **Vet Rec** 1981 Jul 18;109(3):66

Eradication of swine dysentery from closed pig herds. Tasker JB, et al. **Vet Rec** 1981 Apr 25;108(17):382

Investigation into the spread of swine dysentery in 25 herds of East Anglia and assessment of its economic significance in five herds. Windsor RS, et al. **Vet Rec** 1981 Nov 28; 109(22):482–4

[The redox potential of the large intestine in swine in relation to swine dysentery] Hornich M, et al. **Vet Med (Praha)** 1981 Oct;26(10):593–8 (Eng. Abstr.) **(Cze)**

[Mortality in sows caused by Treponema hyodysenteriae] Bouwkamp FT. **Tijdschr Diergeneeskd** 1982 Jan 1; 107(1):34–5 **(Dut)**

DYSENTERY, AMEBIC

COMPLICATIONS

Chronic colitis and arthritis with special emphasis on amoebic colitis. Kasliwal RM. **Am J Proctol Gastroenterol Colon Rectal Surg** 1981 Aug; 32(8):12, 16, 28

Amoebiasis of small intestine an unusual presentation. Lahiri B, et al. **Am J Proctol Gastroenterol Colon Rectal Surg** 1982 Mar;33(3):18–9, 24

[Multiple hepatic amebic abscesses concomitant with amebic colitis. Presentation of a case] García-Blanch de Benito G, et al. **Rev Esp Enferm Apar Dig** 1981 Aug;60(2):159–68 (Eng. Abstr.) **(Spa)**

DIAGNOSIS

Amebic colitis: correlation of proctoscopy before treatment and barium enema after treatment. Martinez CR, et al. **AJR** 1982 Jun;138(6):1089–93

The diagnostic significance of the indirect haemagglutination test in amaebiasis in children. El-Khateeb S, et al. **J Egypt Soc Parasitol** 1982 Jun;12(1):81–4

The presentation of amoebiasis. Patterson M, et al. **Med Clin North Am** 1982 May;66(3):689–705 (149 ref.)

Parasitic bowel disease: three pathogens important in primary care. Burns TW. **Postgrad Med** 1982 May;71(5):130–9 (16 ref.)

Use of enzyme linked immunosorbent assay in intestinal and extra-intestinal amoebiasis (amoebic liver abscess). Tandon A. **Trans R Soc Trop Med Hyg** 1981;75(4):574–5

DRUG THERAPY

[Clinical and therapeutic study of a group of 217 patients with intestinal giardiasis and amebiasis] Degrémont A, et al. **Schweiz Med Wochenschr** 1981 Dec 26;111(52):2039–46 (Eng. Abstr.) **(Fre)**

[Tinidazole therapy of intestinal amebiasis] Jankó M, et al. **Orv Hetil** 1981 Jul 12;122(28):1712–4 **(Hun)**

ETIOLOGY

[Discovery of a permanent passage of avian coccidia during the study of an amebiasis reservoir at a psychiatric center] Chaker E, et al. **Bull Soc Pathol Exot Filiales** 1982 Mar–Apr;75(2):151–4 **(Fre)**

IMMUNOLOGY

Use of glutaraldehyde-treated sheep erythrocytes in indirect haemagglutination test for amoebic coproantibody. Sharma P, et al. **Indian J Med Res** 1981 Aug;74:215–8

OCCURRENCE

Intestinal protozoan infections: prevalence in the San Francisco Bay Area. Markell EK, et al. **West J Med** 1981 Sep;135(3):188–90

[Intestinal amoebiasis in Zaire children (author's transl)] Omanga U, et al. **Med Trop (Mars)** 1981 Nov–Dec; 41(6):641–4 (Eng. Abstr.) **(Fre)**

[Child amoebic dysentery in New Caledonia (author's transl)] Thevenieau D, et al. **Med Trop (Mars)** 1982 Jan–Feb; 42(1):75–80 (Eng. Abstr.) **(Fre)**

PARASITOLOGY

Amoebiasis: a review. Harries J. **J R Soc Med** 1982 Mar; 75(3):190–7 (35 ref.)

[Infestation of the population with the dysentery amoeba in southern regions of the RSFSR. I. Protozoological study data] Prodeus TV. **Med Parazitol (Mosk)** 1981 Nov–Dec; 50(6):41–4 (Eng. Abstr.) **(Rus)**

PATHOLOGY

Toxic dilatation complicating fulminant amoebic colitis [letter] Luvuno FM, et al. **Br J Surg** 1982 Jan;69(1):56–7

PREVENTION & CONTROL

[Treatment and prophylaxis of amoebiasis. New therapeutics in view (author's transl)] Condat JM. **Bull Soc Pathol Exot Filiales** 1981 Nov–Dec;74(6):611–21 (Eng. Abstr.) **(Fre)**

SURGERY

[Surgical indications in acute necrosing amoebic colitis. Fifteen cases (author's transl)] Courbil JL, et al. **Chirurgie** 1981 Jun;107(7):488–92 (Eng. Abstr.) **(Fre)**

TRANSMISSION

An outbreak of amebiasis spread by colonic irrigation at a chiropractic clinic. Istre GR, et al. **N Engl J Med** 1982 Aug 5;307(6):339–42

[The 'gay bowel syndrome' and amebiasis as sexually transmitted diseases in Sweden] Pehrson PO, et al. **Lakartidningen** 1981 Aug 26;78(35):2924 **(Swe)**

DYSENTERY, BACILLARY

A study on experimental keratoconjunctivitis shigellosa. Okamoto M. **Kitasato Arch Exp Med** 1980 Dec; 53(3–4):81–96

[Intestinal Infections due to Campylobacter, Yersinia, Salmonella and Shigella] **Bull WHO** 1980;58(5):691–711 **(Fre)**

[Enterocolitis caused by Shigella in an infant (clinical conference)] Alcalá H. **Bol Med Hosp Infant Mex** 1982 Jan;39(1):45–55 **(Spa)**

BLOOD

The differential leukocyte count in shigellosis. Fried D, et al. **Infection** 1982 Jan;10(1):13–4

[Quantitative estimation of serum toxicity in acute bacterial dysentery] Akhtamov MA, et al. **Lab Delo** 1981;(9):560–1 (Eng. Abstr.) **(Rus)**

COMPLICATIONS

Reiter's syndrome following epidemic shigellosis. Simon DG, et al. **J Rheumatol** 1981 Nov–Dec;8(6):969–73

Shigella enterocolitis and acute renal failure. Goldfarb JP, et al. **South Med J** 1982 Apr;75(4):492–3

Shigella sonnei and acute pelvic peritonitis. Manzella JP, et al. **South Med J** 1981 Nov;74(11):1424–5

[Peritonitis, appendicitis and typhlitis caused by Shigella sonnei] Jonecko A, et al. **Pol Tyg Lek** 1982 Apr 5; 37(4–5):133–4 (Eng. Abstr.) **(Pol)**

[Participation of cyclic nucleotides, Ca ions and gastrin in the pathogenesis of the diarrheal syndrome in acute dysentery] Bunin KV, et al. **Sov Med** 1981;(12):32–7 **(Rus)**

[Outcomes of acute dysentery] Gebesh VV. **Vrach Delo** 1981 Sep;(9):116–9 (Eng. Abstr.) **(Rus)**

[Typical nature of th primary short-term bacteremia in experimental shigellosis] Bondarenko VM, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1981 Nov;(11):18–21 (Eng. Abstr.) **(Rus)**

DIAGNOSIS

[Diagnosis of Grigor'ev–Shiga dysentery] Pokrovskiĭ VI, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1981 Jul;(7):15–21 (Eng. Abstr.) **(Rus)**

DRUG THERAPY

Plasmid characterisation in the investigation of an epidemic caused by multiply resistant Shigella dysenteriae type 1 in Central Africa. Frost JA, et al. **Lancet** 1981 Nov 14; 2(8255):1074–6

Oral or intravenous trimethoprim–sulfamethoxazole therapy for shigellosis. Nelson JD, et al. **Rev Infect Dis** 1982 Mar–Apr;4(2):546–50

Controlled comparison of nalidixic acid or lactulose with placebo in shigellosis. Hansson HB, et al. **Scand J Infect Dis** 1981;13(3):191–3

[Experiences of aged physician of Chinese traditional medicine: 'treatment according to its symptom' in several chronic inflammatory diseases (author's transl)] Gong ZX. **Chung Hua Nei Ko Tsa Chih** 1981 May;20(5):294–7 **(Chi)**

[Epidemiological and therapeutic considerations on 46 cases of shigellosis in childhood] Pitruzzella E, et al. **Pediatria (Napoli)** 1981;89(2):219–33 (Eng. Abstr.) **(Ita)**

[Relation of dysentery drug therapy to the development of antibiotic resistance in Shigella] Kheilik AG, et al. **Antibiotiki** 1981 Aug;26(8):606–7 **(Rus)**

[Increased effectiveness of antibiotic therapy with adaptogens in dysentery and Proteus infection in children] Vereshchagin IA, et al. **Antibiotiki** 1982 Jan;27(1):65–9 (Eng. Abstr.) **(Rus)**

[Effect of kontrikal on the activity of proteolytic enzymes and their inhibitors in blood, state of the bronchoalveolar secretion and the nature of the lung damage in dysenteric intoxication] Protsenko VA, et al. **Farmakol Toksikol** 1981 Sep–Oct;44(5):589–93 (Eng. Abstr.) **(Rus)**

[Effect of antibacterial therapy on NBT test indices in dysentery and typhoid fever] Bashirova DK, et al. **Sov Med** 1982;(2):63–6 (Eng. Abstr.) **(Rus)**

[Use of calcium preparations in complex therapy of salmonellosis and acute dysentery] Bunin KV, et al. **Ter Arkh** 1981;53(10):39–43 (Eng. Abstr.) **(Rus)**

[Effect of tetracycline therapy on cyclase system in patients with acute dysentery] Tumanov FA, et al. **Ter Arkh** 1981; 53(10):76–9 (Eng. Abstr.) **(Rus)**

[Comparative randomized study on the clinico-bacteriological effectiveness of mecillinam versus

cotrimexazole in shigellosis] Prado V, et al. **Rev Chil Pediatr** 1981 Mar–Apr;52(2):118–24 (Eng. Abstr.) **(Spa)**

ETIOLOGY

Laboratory-acquired shigellosis. Ghosh HK. **Br Med J [Clin Res]** 1982 Sep 11;285(6343):695–6

Experimental model of dysentery. Galikeyev KL, et al. **J Hyg Epidemiol Microbiol Immunol** 1982;26(1):37–43

Bacillary dysentery: mechanisms and treatment. Levine MM. **Med Clin North Am** 1982 May;66(3):623–38 (70 ref.)

Shigella toxin(s): description and role in diarrhea and dysentery. Keusch GT, et al. **Pharmacol Ther** 1981; 15(3):403–38 (172 ref.)

[Role of nonspecific bacterial allergy in dysentery] Bogomolov BP, et al. **Klin Med (Mosk)** 1981 Feb; 59(2):85–90 (Eng. Abstr.) **(Rus)**

[Malnutrition, infection and immunodeficiency] García-Tamayo F. **Bol Med Hosp Infant Mex** 1982 May; 39(5):391–3 **(Spa)**

HISTORY

[The Battle of Valmy and medicine] Lanari A. **Medicina (B Aires)** 1981;41(2):257–8 **(Spa)**

IMMUNOLOGY

Direct demonstration in intestinal secretions of an IgA memory response to orally administered Shigella flexneri antigens. Keren DF, et al. **J Immunol** 1982 Jan;128(1):475–9

Bacteriological and epidemiological approaches to the prophylaxis of enteric infection. VI. In vitro studies on the mechanism of acquired resistance to Shigella flexneri infection (1). Sakaguchi T, et al. **Kitasato Arch Exp Med** 1980 Dec;53(3–4):97–109

Lymphocyte stimulation in swine dysentery. Jenkins EM, et al. **Vet Immunol Immunopathol** 1981 Feb;2(1):19–26

[Studies on phagocytosis of Shigella flexneri by peritoneal macrophages (author's transl)] Sakaguchi T, et al. **Kansenshogaku Zasshi** 1982 Feb;56(2):152–61 (Eng. Abstr.) **(Jpn)**

[Immunoglobulins A and G in the intestinal secretions of rats in different microbiologic conditions] Ruban SZ, et al. **Biull Eksp Biol Med** 1981 Jul;92(7):66–8 (Eng. Abstr.) **(Rus)**

[Systemic and local immunity problems in protracted and chronic dysentery in children] Ispolatovskaia EO, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1982 Apr;(4):65–7 (Eng. Abstr.) **(Rus)**

[Local immunity in acute dysentery. II. The content of antibody-forming cells in the large intestine mucosa in acute Flexner dysentery in the dynamics of the disease] Kasimova NB, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1982 Jan;(1):72–5 (Eng. Abstr.) **(Rus)**

[Clinico-immunological indices in different forms of dysentery] Usychenko EM, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1982 May;(5):30–3 (Eng. Abstr.) **(Rus)**

MICROBIOLOGY

A chronic carrier of trimethoprim-sulphamethoxazole-resistant Shigella flexneri serotype 1. Gebre-Yohannes A, et al. **Ethiop Med J** 1981 Apr;19(2):53–7

A survey of colicin types and phage types of Shigella sonnei in Czechoslovakia 1976–1978. Horák V, et al. **Folia Microbiol (Praha)** 1982;27(3):186–90

[Shigellosis in pediatric wards] Lahat E, et al. **Harefuah** 1981 Dec 15;101(12):342–4 (Eng. Abstr.) **(Heb)**

[Etiological factors in bacillary dysentery in Poland 1965–1979] Stypułkowska-Misiurewicz H, et al. **Przegl Epidemiol** 1981;35(4):443–53 (Eng. Abstr.) **(Pol)**

[Structural aspect of the microecology of the parietal region of the large intestine] Koval'chuk VK. **Zh Mikrobiol Epidemiol Immunobiol** 1982 Feb;(2):41–5 **(Rus)**

OCCURRENCE

Shigellosis in infants and children. Agarwal SK, et al. **Indian Pediatr** 1981 May;18(5):305–10

An outbreak of gastroenteritis caused by both rotavirus and Shigella sonnei in a private school in Rio de Janeiro. Sutmoller F, et al. **J Hyg (Lond)** 1982 Apr;88(2):285–93

Epidemiologic and clinical features of patients infected with Shigella who attended a diarrheal disease hospital in Bangladesh. Stoll BJ, et al. **J Infect Dis** 1982 Aug; 146(2):177–83

Shigellosis—United States, 1980. **MMWR** 1981 Sep 18; 30(36):462–3

Salmonella and Shigella infections in Switzerland, with special reference to typhoid vaccination for travellers. Steffen R, et al. **Scand J Infect Dis** 1981;13(2):121–7

The incidence of water-related diseases in the Brak area, Libya from 1977 to 1979, before and after the installation of water treatment plants. Ghannoum MA, et al. **Zentralbl Bakteriol Mikrobiol Hyg [B]** 1981 Sep; 173(6):501–8

[Epidemic of bacillary dysentery] Auger P, et al. **Can Med Assoc J** 1981 Oct 1;125(7):733–6 (Eng. Abstr.) **(Fre)**

[Epidemiological and therapeutic considerations on 46 cases of shigellosis in childhood] Pitruzzella E, et al. **Pediatria (Napoli)** 1981;89(2):219–33 (Eng. Abstr.) **(Ita)**

[Outbreak of Shigella sonnei dysentery epidemic in Szczecin and Szczecin district in 1979] Januszkiewicz J, et al. **Przegl Epidemiol** 1981;35(2):211–9 **(Pol)**

[Bacillary dysentery] Stypułkowska-Misiurewicz H, et al. **Przegl Epidemiol** 1981;35(1):97–104 **(Pol)**

[Nature of the epidemic process in Sonne and Flexner dysenteries and the causes of its induction] Briko NI, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1981 Jun;(6):95–9 (Eng. Abstr.) **(Rus)**

[Characteristics and trends in the development of an epidemic process of Sonne and Flexner dysentery among preschool children] Briko NI, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1982 Mar;(3):93–7 (Eng. Abstr.) **(Rus)**

[Manifestations of the cyclic nature of the epidemic process in dysentery] Vlasov VI, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1982 May;(5):26–30 (Eng. Abstr.) **(Rus)**

[Dysentery outbreak caused by Shigella sonnei in a children's day care center during the month of November] García Herruzo J, et al. **Rev Sanid Hig Publica (Madr)** 1979 Nov–Dec;53(11–12):1631–7 (Eng. Abstr.) **(Spa)**

[Prevalence of carriers of Salmonella and Shigella among food handlers] Sánchez Leyva R. **Salud Publica Mex** 1981 Jul–Aug;23(4):353–64 (Eng. Abstr.) **(Spa)**

PATHOLOGY

[Ultrastructural changes in the nerve endings in the large intestine mucosa in Sonne dysentery] Koval'chuk VK. **Arkh Patol** 1982;44(4):47–52 (Eng. Abstr.) **(Rus)**

PHYSIOPATHOLOGY

[Heart involvement in combined acute dysentery and coli infection] Bogomolov BP, et al. **Klin Med (Mosk)** 1982 Feb;60(2):95–7 **(Rus)**

PREVENTION & CONTROL

Studies on virulence of Shigella flexneri. Protective effect of outer membrane proteins. Mulczyk M, et al. **Arch Immunol Ther Exp (Warsz)** 1981;29(1):85–90

Interruption of shigellosis by hand washing. Khan MU. **Trans R Soc Trop Med Hyg** 1982;76(2):164–8

[Ribosomal dysentery vaccine. IV. Study of the reactogenicity, antigenic and protective activity of Shigella sonnei ribosomes in monkey experiments] Dzhikidze EK, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1981 Jul;(7):53–9 (Eng. Abstr.) **(Rus)**

[Comparative study of the immunogenicity of Shigella sonnei differing in enzyme activity and colicinogenicity] Toluzakova NV. **Zh Mikrobiol Epidemiol Immunobiol** 1981 Oct;(10):68–71 (Eng. Abstr.) **(Rus)**

THERAPY

Bacillary dysentery: mechanisms and treatment. Levine MM. **Med Clin North Am** 1982 May;66(3):623–38 (70 ref.)

[Use of live Flexner 2a 516M dysentery vaccine for the immunotherapy of acute and chronic dysentery] Sultanov GV, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1981 Oct; (10):33–8 (Eng. Abstr.) **(Rus)**

TRANSMISSION

Association of cockroaches with an outbreak of dysentery [letter] Burgess NR, et al. **Trans R Soc Trop Med Hyg** 1981;75(2):332–3

[Water-borne epidemic of viral hepatitis and bacillary dysentery] Sokolovski B, et al. **Vojnosanit Pregl** 1982 Jan–Feb;39(1):6–11 **(Scr)**

VETERINARY

Endemic enteric disease in vervet monkeys. Fincham JE, et al. **J S Afr Vet Assoc** 1981 Sep;52(3):177–9

DYSGAMMAGLOBULINEMIA

CEREBROSPINAL FLUID

[Cerebrospinal fluid proteins and epilepsy] Heim M, et al. **Psychiatr Neurol Med Psychol (Leipz)** 1981 Oct; 33(10):629–33 (Er.-e. Abstr.) **(Ger)**

CHEMICALLY INDUCED

[Immunological study of IgA deficiency during anticonvulsant therapy in epileptic patients. i. Surface markers of peripheral blood lymphocytes and IgA production by PWM-stimulated lymphocytes (author's transl)] Matsuoka H, et al. **Arerugi** 1981 Apr;30(4):183–9 (Eng. Abstr.) **(Jpn)**

[Disorders of humoral immunity in workers exposed to organic solvents] Moszczyński P. **Pol Tyg Lek** 1981 Jun 22;36(25):917–9 (Eng. Abstr.) **(Pol)**

COMPLICATIONS

Benign monoclonal gammapathy associated with increased risk of Fanconi syndrome [letter] Jusdado Ruiz-Capillas JJ, et al. **Acta Med Scand** 1981;210(6):527–8

Progressive systemic scleroderma with iga deficiency in a child. Jay S, et al. **Am J Dis Child** 1981 Oct;135(10):965–6

Chronic granulomatous disease and selective IgA deficiency. Gerba WM, et al. **Am J Pediatr Hematol Oncol** 1982 Summer;4(2):155–60

Decreased cord blood IgM and IgA in trisomy 21. Cederqvist LL, et al. **Am J Reprod Immunol** 1981;1(2):62–4

Isolated IgG hypogammaglobulinemia in acrodermatitis enteropathica: correction with zinc therapy. Wilson MC, et al. **Ann Allergy** 1982 May;48(5):288–91

Immunodeficiency disease and dental caries in man. Legler DW, et al. **Arch Oral Biol** 1981;26(11):905–10

Total selective deficiency of serum and secretory IgA associated with farmer's lung. Dalmasso F, et al. **Bronchopneumologie** 1980 Nov–Dec;30(6):545–55

The association between Kaposi's sarcoma and dysgammaglobulinemia. Ben-Chetrit E, et al. **Cancer** 1982 Apr 15;49(8):1649–51

Monoclonal gammopathy (IgG1) in Psoriasis [letter] San Miguel J, et al. **Dermatologica** 1982 Apr;164(4):289

Combined IgA and alpha-1-antitrypsin deficiency in a boy with severe respiratory tract infections and asthma. Ostergaard PA. **Eur J Pediatr** 1982 Feb;138(1):83–5

Nodular lymphoid hyperplasia of the small intestine with Burkitt's lymphoma and dysgammaglobulinemia. Schaefer PS, et al. **Gastrointest Radiol** 1981;6(4):325–8

Recurrent bacterial meningitis associated with C8 and IgA deficiency. Veeder MH, et al. **J Infect Dis** 1981 Nov; 144(5):399–402

Twenty-nail dystrophy (trachyonychia) associated with selective IgA deficiency. Leong AB, et al. **J Pediatr** 1982 Mar;100(3):418–20

Pernicious anemia, 18q deletion syndrome, and IgA deficiency. Stricker RB, et al. **JAMA** 1982 Sep 17; 248(11):1359–60

[A case report of selective IgA deficiency (author's transl)] Zong SJ. **Chung Kuo I Hsueh Ko Hsueh Yuan Hsueh Pao** 1981 Sep; 3(3):201–3 (Eng. Abstr.) **(Chi)**

[Intestinal malabsorption with a dissociated deficiency of immunoglobulins (author's transl)] Hillemand B, et al. **Ann Med Interne (Paris)** 1981;132(5):322–7 (Eng. Abstr.) **(Fre)**

[IgA deficiency and circulating immune complexes in Neapolitan children with fatal acute respiratory infections] Aiuti F, et al. **Ann Ist Super Sanita** 1981;17(4):749–60 **(Ita)**

[Granulocytic function in children with selective IGA deficiency and recurrent infections: demonstration of altered chemotaxis] De Martino M, et al. **Boll Ist Sieroter Milan** 1981 May;60(2):155–62 (Eng. Abstr.) **(Ita)**

[A case of IgA deficiency with systemic lupus erythematosus (author's transl)] Kudo J, et al. **Nippon Naika Gakkai Zasshi** 1981 May 10;70(5):740–5 **(Jpn)**

[A case of sarcoidosis with selective IgA deficiency (author's transl)] Namba Y, et al. **Rinsho Ketsueki** 1981 Aug; 22(8):1284–91 (Eng. Abstr.) **(Jpn)**

[Recurrent pulmonary infiltrations, atopy and IgA deficiency] Cuevas X, et al. **Rev Clin Esp** 1981 Oct 15; 163(1):49–52 **(Spa)**

DIAGNOSIS

Transitory and persistent IgA deficiency. Reevaluation of 19 pediatric patients once found to be deficient in serum IGA. Joller PW, et al. **J Clin Lab Immunol** 1981 Sep; 6(2):97–101

Neutropenia in dysgammaglobulinemia I: remission with immunoglobulin therapy. Chusid MJ, et al. **Wis Med J** 1981 Mar;80(3):32–3

[IgA deficiency in the dermatologic clinic. Frequency, clinical relevance, diagnosis and therapy] Göring HD. **Hautarzt** 1981 Oct;32(10):505–11 (Eng. Abstr.) **(Ger)**

[The selective deficiency of immunoglobulin A: epidemiological, pathogenetic, clinical, therapeutic and medicolegal considerations] Rotondo G, et al. **Riv Med Aeronaut Spaz** 1981 Jan–Jun;45(1–2):21–30 (23 ref.) **(Ita)**

[Selective IgA deficiency] Cesnak D, et al. **Cesk Pediatr** 1981 Sep;36(9):524–6 (Eng. Abstr.) **(Slo)**

DRUG THERAPY

Improvement of cellular immunity and IgA production in immunodeficient children after treatment with synthetic serum thymic factor (FTS). Bordigoni P, et al. **Lancet** 1982 Aug 7;2(8293):293–7

ETIOLOGY

Immunologic study of carcinoma of the digestive tract. Influence of tumor staging. II. Humoral immunity in the preoperative period. Sanz ML, et al. **Allergol Immunopathol (Madr)** 1982 Mar–Apr;10(2):95–100

Spontaneous recovery of selective IgA deficiency. Additional case reports and a review. Blum PM, et al. **Clin Pediatr (Phila)** 1982 Feb;21(2):77–80

Juvenile rheumatoid arthritis with IgA deficiency and appearance with febrile episode. Isobe T, et al. **Jpn J Med** 1981 Jul;20(3):211–5

Reversible IgA deficiency in hypothyroidism. Eriksson S. **Postgrad Med J** 1981 Nov;57(673):714–6

[Kinetics of continuous ambulatory peritoneal dialysis. II.

Protein and immunoglobulin losses] Ksiazek A, et al. **Pol Arch Med Wewn** 1981 Feb;65(2):107–14 (Eng. Abstr.) **(Pol)**

IMMUNOLOGY

Autoimmunity in selective IgA deficiency: relationship to anti-bovine protein antibodies, circulating immune complexes and clinical disease. Cunningham-Rundles C, et al. **Clin Exp Immunol** 1981 Aug;45(2):299–304

J chain synthesis in lymphocytes from patients with selective IgA deficiency. Yasuda N, et al. **Clin Exp Immunol** 1981 Oct;46(1):142–8

Abnormalities of regulatory T-cell subpopulations in patients with primary immunoglobulin deficiencies. Pandolfi F, et al. **Clin Immunol Immunopathol** 1982 Mar;22(3):323–30

Immunological studies in two children of a mother with IgA deficiency and anti-IgA antibodies. Weemaes C, et al. **Clin Immunol Immunopathol** 1982 Apr;23(1):145–51

IgM cryoprecipitation and anti-immunoglobulin activity in dysgammaglobulinemia type I. Winfield JB, et al. **Clin Immunol Immunopathol** 1982 Apr;23(1):58–69

Increased levels of IgG4 subclass in 5 patients with acquired respiratory disease. van Nieuwkoop JA, et al. **Int Arch Allergy Appl Immunol** 1982 Jan;67(1):61–5

Isotypes of surface immunoglobulin on B lymphocytes from patients with immune deficiency. Schwaber JF, et al. **J Clin Immunol** 1982 Jan;2(1):30–4

Naturally occurring autologous anti-idiotypic antibodies. Participation in immune complex formation in selective IgA deficiency. Cunningham-Rundles C. **J Exp Med** 1982 Mar 1;155(3):711–9

IgG2 deficiency in ataxia-telangiectasia. Oxelius VA, et al. **N Engl J Med** 1982 Mar 4;306(9):515–7

IgG2 deficiency and ataxia-telangiectasia [editorial] Yount WJ. **N Engl J Med** 1982 Mar 4;306(9):541–3

Intestinal salivary, and tonsillar IgA and J-chain production in a patient with severe deficiency of serum IgA. Brandtzaeg P, et al. **Scand J Immunol** 1981;13(4):313–25

Immunoglobulin A deficiency: genetic studies. Oen K, et al. **Tissue Antigens** 1982 Mar;19(3):174–82

Selective IgM deficiency: a case study. Endoh M, et al. **Tokai J Exp Clin Med** 1981 Jul;6(3):327–31

[Do selective deficits of digestive immunity exist?] André C. **Gastroenterol Clin Biol** 1982 Mar;6(3):218–21 **(Fre)**

[Immunological study of IgA deficiency during anticonvulsant therapy in epileptic patients. II. Study of B cell-terminal differentiation by lymphocyte co-culture with PWM (author's transl)] Matsuoka H, et al. **Arerugi** 1981 May;30(5):259–65 (Eng. Abstr.) **(Jpn)**

[Recent progress on immunoglobulin abnormalities (author's transl)] Kawai T. **Rinsho Byori** 1981 Sep;29(9):917–21 **(Jpn)**

[Clinical significance of selective deficiency of IgA] Didkovskiĭ NA, et al. **Ter Arkh** 1981;53(9):131–5 **(Rus)**

METABOLISM

Selective IgA deficiency with low molecular weight immunoglobulin-like proteins in saliva. Madaliński K, et al. **Mater Med Pol** 1981 Jul-Sep;13(3):199–206

OCCURRENCE

Selective serum IgA deficiency in Icelanders. Frequency, family studies and Ig levels. Ulfarsson J, et al. **Acta Med Scand** 1982;211(6):481–7

IgA deficiency in Israeli blood donors [letter] Sharon R, et al. **J Clin Pathol** 1982 May;35(5):582

DYSGERMINOMA

Second primary neoplasm in a dysgerminoma patient. Koriech OM, et al. **Br J Radiol** 1981 Nov;54(647):1005

Testicular tumors of germ cell origin. Kaplan JH, et al. **Postgrad Med** 1981 Dec;70(6):125–7, 130–1

Testicular tumors of germ cell origin. I. Epidemiology, pathogenesis, clinical presentation, and diagnosis. Kaplan JH, et al. **Postgrad Med** 1981 Dec;70(6):114–21

[Disgerminoma and pregnancy] Bolis GB. **Pathologica** 1980 Nov-Dec;72(1022):789–95 (Eng. Abstr.) **(Ita)**

ANALYSIS

Dysgerminoma with giant cells. A case report with immunoperoxidase. Kaplan C, et al. **Diagn Gynecol Obstet** 1981 Winter;3(4):325–9

[Immunochemical demonstration of beta-HCG in a testicular tumor of the seminomatous type] Carbone A, et al. **Pathologica** 1981 Sep-Oct;73(1027):805–10 (Eng. Abstr.) **(Ita)**

BLOOD

Alphafetoprotein in mixed germ cell tumour (seminoma and embryonal carcinoma) of testis-a case report. Deshpande AD, et al. **Indian J Pathol Microbiol** 1981 Jul;24(3):205–8

Elevated serum calcitonin associated with an extragonadal seminoma. Lee M, et al. **J Urol** 1982 Aug;128(2):392–4

CHEMICALLY INDUCED

Chemotherapy-related conversion of tumor [letter] Fribourg S. **Am J Obstet Gynecol** 1982 Jan 1;142(1):116

COMPLICATIONS

Brief clinical report: dysgerminoma in a patient with the syndrome of gonadal dysgenesis with a 45,X karyotype. Lindsay AN, et al. **Am J Med Genet** 1981;10(1):21–4

Malignant tumours of the undescended testis: a report of three cases. Quek HC, et al. **Ann Acad Med Singapore** 1981 Oct;10(4):507–12

A case of bilateral intra-abdominal testes and seminomas in a previously unrecognised hermaphrodite. Kaisary AV, et al. **Br J Urol** 1982 Jun;54(3):323

Testicular tumours in maldescended testes. Fonger JD, et al. **Can J Surg** 1981 Jul;24(4):353–5

Gonadoblastoma in a patient with gonadal dysgenesis without a Y chromosome. Dewhurst J, et al. **Obstet Gynecol** 1982 Feb;59(2):247–9

Seminoma presenting as gross splenomegaly. Willey RF, et al. **Scott Med J** 1982 Jul;27(3):254–5

[A 'normal' girl] Bouw GM, et al. **Ned Tijdschr Geneeskd** 1982 Jun 19;126(25):1121–5 **(Dut)**

[Cooley's disease and tumors (letter)] Miniero R, et al. **Haematologica (Pavia)** 1981 Apr;66(2):251–2 **(Ita)**

[Seminoma, ionizing radiation and autoimmune hemolytic anemia] Buñuel C, et al. **Sangre (Barc)** 1981;26(4):519–21 **(Spa)**

DIAGNOSIS

Natural history of dysgerminoma. De Palo G, et al. **Am J Obstet Gynecol** 1982 Aug 1;143(7):799–807

Alpha fetoprotein determinations in the management of endodermal sinus tumors and mixed germ cell tumors of the ovary. Romero R, et al. **Am J Obstet Gynecol** 1981 Sep 15;141(2):126–31

Placental alkaline phosphatase as a tumor marker for seminoma. Lange PH, et al. **Cancer Res** 1982 Aug; 42(8):3244–7

Immersion ultrasonography of scrotal and testicular pathology. Friedrich M, et al. **Eur J Radiol** 1981 Mar; 1(1):60–6

Ovarian tumors: management of cases in young patients. Magrina JF, et al. **J Kans Med Soc** 1981 Mar;82(3):119–21

Endocrine aspects and tumoral markers in intracranial germinoma: an attempt to delineate the diagnostic procedure in 14 patients. Pomarede R, et al. **J Pediatr** 1982 Sep;101(3):374–8

Impact of delay in diagnosis on clinical stage of testicular cancer. Bosl GJ, et al. **Lancet** 1981 Oct 31;2(8253):970–3

Pineal Tumors: clinical diagnosis, with special emphasis on the significance of pineal calcification. Chang CG, et al. **Neurosurgery** 1981 Jun;8(6):656–68

[Probability of survival in patients with germinal testicular tumors] Jellinghaus W, et al. **Fortschr Med** 1981 Oct 22; 99(40):1643–7 **(Ger)**

[Ovarian dysgerminoma in young women and in pregnancy] Bar-David E, et al. **Harefuah** 1981 Dec 15;101(12):347–50 (Eng. Abstr.) **(Heb)**

[Disgerminoma of the ovary. Anatomo-prognostic correlations in 26 cases] Pellegri PP, et al. **Ann Ostet Ginecol Med Perinat** 1981 Jul-Aug;102(4):291–6 (Eng. Abstr.) **(Ita)**

[Primary mediastinal seminoma in a young boy] Stoba C, et al. **Pediatr Pol** 1981 Jun;56(6):683–6 **(Pol)**

[Gonadoblastoma (case report)] Giliazutdinova ZSh, et al. **Akush Ginekol (Mosk)** 1981 Sep;(9):53 **(Rus)**

[Ovarian dysgerminoma in girls] Solovko AIu. **Pediatriia** 1981 Nov;(11):64–5 **(Rus)**

[Diagnosis and treatment of pineal body tumors in children] Zhukovskiĭ MA, et al. **Pediatriia** 1981 Nov;(11):63–4 **(Rus)**

[Gonadoblastoma and dysgerminoma of the ovaries in a woman with primary amenorrhea] Pakhomova IA, et al. **Sov Med** 1981;(8):116–7 **(Rus)**

DRUG THERAPY

Chemotherapy of germ cell tumors in women [letter] Sutherland CM, et al. **Arch Intern Med** 1982 Apr; 142(4):840–1

Chemotherapy of malignant ovarian tumors--therapeutic results with cisplatin. Tanaka T, et al. **Asia Oceania J Obstet Gynaecol** 1982 Mar;8(1):37–46

Significant factors in the optimal management of advanced stage germ cell carcinoma. Levi JA, et al. **Aust NZ J Med** 1982 Apr;12(2):147–52

Chemotherapy of disseminated seminoma with combination of cis-diamminedichloroplatinum (II) and cyclophosphamide. Vugrin D, et al. **Cancer Clin Trials** 1981 Winter;4(4):423–7

Pregnancy following combination chemotherapy for a mixed germ cell tumor of the ovary. Schwartz PE, et al. **Gynecol Oncol** 1981 Dec;12(3):373–8

Intratesticular germ cell tumors: observations on the effect of chemotherapy. Fowler JE Jr, et al. **J Urol** 1981 Sep; 126(3):412–4

Disseminated seminoma: re-evaluation of treatment protocols. Mendenhall WL, et al. **J Urol** 1981 Oct; 126(4):493–6

The development of hyponatremia following combination chemotherapy for metastatic germ cell tumors. Ginsberg SJ, et al. **Med Pediatr Oncol** 1982;10(1):7–14

Treatment of recurrent and persistent germ cell tumors with cisplatin, vinblastine, and bleomycin. Jacobs AJ, et al. **Obstet Gynecol** 1982 Jan;59(1):129–32

Experience with germ cell tumors of testicle at University of Iowa. Devine AW Jr, et al. **Urology** 1981 Sep;18(3):262–7

ENZYMOLOGY

Ovarian germinoma (dysgerminoma) with elevated serum lactic dehydrogenase: case report and review of literature. Sheiko MC, et al. **Cancer** 1982 Mar 1;49(5):994–8

ETIOLOGY

Testicular malignancy after orchiopexy. Dias PS, et al. **Br J Urol** 1982 Jun;54(3):325

Pre-natal factors in the origin of germ cell tumours of childhood. Birch JM, et al. **Carcinogenesis** 1982;3(1):75–80

Histogenesis of yolk sac carcinoma induced by fetectomy in the rat. Teshima S, et al. **Gan** 1981 Aug;72(4):524–30

FAMILIAL & GENETIC

Constitutive heterochromatin (C-banding) studies in patients with testicular malignancies. Robson MK, et al. **Cancer Genet Cytogenet** 1981 Dec;4(4):319–23

Dicentric Y chromosome in a patient with gonadal dysgenesis and seminoma. Ponzio G, et al. **Hum Genet** 1981; 58(3):282–4

Bilateral gonadoblastoma/dysgerminoma in a 46 XY individual: case report with hormonal studies. Fisher RA, et al. **J Clin Pathol** 1982 Apr;35(4):420–4

Chronic renal disease, myotonic dystrophy, and gonadoblastoma in XY gonadal dysgenesis. Simpson JL, et al. **J Med Genet** 1982 Feb;19(1):73–6

Long arm deletion of the X chromosome, 46,X,del(xX)(q21), associated with gonadoblastoma. Seki T, et al. **Jinrui Idengaku Zasshi** 1981 Dec;26(4):307–12

[A familial XY gonadal dysgenesis causing high incidence of embryonic gonadal tumors- a report of the fourth dysgerminoma in sibling suffering from 46, XY gonadal dysgenesis (author's transl)] E Z, et al. **Chung Hua Chung Liu Tsa Chih** 1981 May;3(2):89–90 (Eng. Abstr.) **(Chi)**

IMMUNOLOGY

HLA antigens in patients with germ cell cancers of the testis. Pollack MS, et al. **Cancer Res** 1982 Jun;42(6):2470–3

METABOLISM

Polyembryoma of ovary producing alpha-fetoprotein and HCG: immunoperoxidase and electron microscopic study. Takeda A, et al. **Cancer** 1982 May 1;49(9):1878–89

Gonadotrophin-producing seminoma: a distinct category of germ cell neoplasm. Morgan DA, et al. **Clin Radiol** 1982 Mar;33(2):149–53

MORTALITY

Dysgerminoma: a review of 158 cases from the Emil Novak Ovarian Tumor Registry. Gordon A, et al. **Obstet Gynecol** 1981 Oct;58(4):497–504

OCCURRENCE

Hodgkin's disease after ovarian dysgerminoma [letter] Bandini G, et al. **Haematologica (Pavia)** 1981 Apr;66(2):252

Testicular cancer in children and adolescents in Ibadan, Nigeria. Junaid TA. **Urology** 1981 Nov;18(5):510–3

PATHOLOGY

Endobronchial metastasis from testicular seminoma [letter] Varma VA, et al. **Arch Pathol Lab Med** 1981 Dec; 105(12):680

Retroperitoneal seminoma. Routh A, et al. **CA** 1982 Mar-Apr;32(2):78–81

Autopsy findings in 154 patients with germ cell tumors of the testis. Bredael JJ, et al. **Cancer** 1982 Aug 1;50(3):548–51

Malignant germ cell tumors in 57 children and adolescents. Brodeur GM, et al. **Cancer** 1981 Oct 15;48(8):1890–8

Primary retroperitoneal seminoma. Buskirk SJ, et al. **Cancer** 1982 May 1;49(9):1934–6

Primary anterior mediastinal seminoma. Hurt RD, et al. **Cancer** 1982 Apr 15;49(8):1658–63

Elevated serum alphafetoprotein and seminoma: clinical evidence for a histologic continuum? Raghavan D, et al. **Cancer** 1982 Sep 1;50(5):982–9

Bilateral incipient germ cell tumours of the testis in the incomplete testicular feminization syndrome. Nogales FF Jr, et al. **Histopathology** 1981 Sep;5(5):511–5

Germ cell tumors in man, pleiotropic mice, and continuity of germplasm and somatoplasm. Friedman NB, et al. **Hum Pathol** 1981 Sep;12(9):772–6

Unilateral gonadoblastoma with dysgerminoma in a normal fertile woman--review and report of a case. Chellam VG, et al. **Indian J Cancer** 1981 Jun;18(2):163–6

Pure seminoma. Mittal B, et al. **Int J Radiat Oncol Biol Phys** 1981 May;7(5):649–51

Microinvasive germ cell tumors of the testis. von Eyben FE, et al. **J Urol** 1981 Dec;126(6):842–4

Laminin-secreting yolk sac carcinoma of the rat. Biochemical and electron immunohistochemical studies. Martinez-Hernandez A, et al. **Lab Invest** 1982 Sep; 47(3):247–57

Metastatic anaplastic seminoma with elevated HCG marker: case report. Mabry EW, et al. **Milit Med** 1982 Feb; 147(2):104–5

Suprasellar germinoma with probable extracranial metastases. Delahunt B. **Pathology** 1982 Apr;14(2):215–8

The pathological assessment of ovarian neoplasms V: The germ cell tumours. Russell P, et al. **Pathology** 1982 Jan; 14(1):47–72

Bilateral primary germ cell tumors of testis. Hoekstra HJ, et al. **Urology** 1982 Feb;19(2):152–4

Bilateral testicular germ cell malignancy. Ware SM, et al. **Urology** 1982 Apr;19(4):366–72

Mitotic count in seminomas--an unreliable criterion for distinguishing between classical and anaplastic types. von Hochstetter AR. **Virchows Arch [Pathol Anat]** 1981; 390(1):63–9

[Germinoma of the pineal body and the wall of third ventricle--a report of four cases and review of literature (author's transl)] Chen ZL.
Chung Hua Chung Liu Tsa Chih 1981 Feb;3(1):22–5 (Eng. Abstr.) **(Chi)**

[Gonadoblastoma--light and ultrastructural. Observations of 2 cases (author's transl)] Li L, et al.
Chung Hua Chung Liu Tsa Chih 1980 Dec;2(4):292–6 (Eng. Abstr.) **(Chi)**

[Thymic seminomas (author's transl)] Kitzis M, et al.
Nouv Presse Med 1981 Nov 14;10(41):3397–400 (Eng. Abstr.) **(Fre)**

[Basal cell nevus syndrome with unusual accompanying symptoms] Zaun H. **Hautarzt** 1981 Sep;32(9):455–8 (Eng. Abstr.) **(Ger)**

[Primary mediastinal seminoma. Case reports of 4 pure seminomas and 1 teratoma with seminoma involvement] Sprenger F. **Helv Chir Acta** 1981 Aug;48(3–4):365–8 (Eng. Abstr.) **(Ger)**

[Studies on human germ cell tumor. Establishment of AFP producing tumor line (JTG-1) in nude mice from human testicular tumor (embryonal carcinoma with seminoma) and its characteristics (author's transl)] Machida T, et al.
Nippon Hinyokika Gakkai Zasshi 1981 Dec;72(12):1527–33 (Eng. Abstr.) **(Jpn)**

[Five cases of bilateral testicular tumors: a review of 118 cases in Japanese literature (author's transl)] Yoshida M, et al. **Nippon Hinyokika Gakkai Zasshi** 1981 Apr; 72(4):460–72 (Eng. Abstr.) **(Jpn)**

[Gonadoblastoma-like ovarian tumor in a 15-month-old infant] Kedzia H, et al. **Ginekol Pol** 1981 Jan;52(1):83–8 (Eng. Abstr.) **(Pol)**

[Ovarian tumor composed of gonocytes and sex cord cells] Szymańska K, et al. **Ginekol Pol** 1981 Jul;52(7):651–9 (Eng. Abstr.) **(Pol)**

[Role of atypical sex cells in the histogenesis of germinative testicular tumors] Romanenko AM, et al. **Arkh Patol** 1982; 44(2):22–8 (Eng. Abstr.) **(Rus)**

[Malignant dysgerminoma of the ovary (clinical conference)] Ajuria E, et al. **Bol Med Hosp Infant Mex** 1982 Apr; 39(4):297–309 **(Spa)**

RADIOGRAPHY

Antegrade spermatic phlebography in the diagnosis of metastases from testicular tumors. Forsberg L, et al.
Acta Radiol [Diagn] (Stockh) 1981;22(3A):255–9

Ovarian dysgerminoma with nonviable pregnancy: report of case. Nowak ML. **JAOA** 1982 Jun;81(10):721–4

CT estimations of mean attenuation values and volume in testicular tumors: a comparison with surgical and histologic findings. Husband JE, et al. **Radiology** 1982 Aug; 144(3):553–8

[Intracranial germinoma; typical CT appearances and radiation therapy (author's transl)] Schneider GH, et al. **ROFO** 1981 Oct;135(4):422–5 (Eng. Abstr.) **(Ger)**

RADIONUCLIDE IMAGING

67 Ga imaging incorporating administration of iron. Sephton R, et al. **Int J Nucl Med Biol** 1981;8(4):341–8

Gallium-67 citrate scanning in primary mediastinal seminoma. Ayulo MA, et al. **J Nucl Med** 1981 Sep; 22(9):796–7

Primary mediastinal seminoma with 67Gallium total body scan: a case report. McCombs RK, et al. **J Urol** 1981 Oct; 126(4):560–2

[Clinical evaluation of tumor positive imaging with I-125 (or -131)-labeled anti-human AFP specific antibody for AFP producing tumor line (JTG-1) and clinical cases (author's transl)] Yanagisawa M, et al.
Nippon Hinyokika Gakkai Zasshi 1981 Dec;72(12):1559–68 (Eng. Abstr.) **(Jpn)**

RADIOTHERAPY

Primary mediastinal seminoma. Bush SE, et al. **Cancer** 1981 Oct 15;48(8):1877–82

Megavoltage irradiation for pure testicular seminoma: results and patterns of failure. Dosoretz DE, et al. **Cancer** 1981 Nov 15;48(10):2184–90

Recovery from aspermia induced by low-dose radiation in seminoma patients. Hahn EW, et al. **Cancer** 1982 Jul 15; 50(2):337–40

Radiotherapy of ovarian dysgerminoma. Pirtoli L, et al. **Eur J Gynaec Oncol** 1980 Dec;1(3):175–80

Radiooncological management of very advanced extragonadal seminomas. Kärcher KH. **Eur J Radiol** 1981 Mar;1(1):71–5

'Primary mediastinal seminoma'. Rao KK, et al.
Indian J Cancer 1981 Jun;18(2):153–6

Radiotherapy in seminoma: more is not better. Einhorn LH. **Int J Radiat Oncol Biol Phys** 1982 Feb;8(2):309–10

Pineal region tumors: results of radiation therapy and indications for elective spinal irradiation. Griffin BR, et al. **Int J Radiat Oncol Biol Phys** 1981 May;7(5):605–8

Radiation therapy of seminoma of the testis. Qian T, et al. **Int J Radiat Oncol Biol Phys** 1981 Jun;7(6):717–20

Seminoma of the testis: results of treatment and patterns of failure after radiation therapy. Thomas GM, et al.
Int J Radiat Oncol Biol Phys 1982 Feb;8(2):165–74

Anaplastic seminoma: an analysis of eight cases with literature review. Jose B, et al. **J Surg Oncol** 1981; 18(4):331–4

Treatment of testicular tumors arising in patients with previous inguinal and/or scrotal surgery. Lanteri VJ, et al. **J Urol** 1982 Jan;127(1):58–9

Radiation-induced sarcoma following radiotherapy for testicular tumor. Lynch DF Jr, et al. **J Urol** 1981 Dec; 126(6):845–6

[Changes in the spermiogram in patients irradiated for testicular tumours (author's transl)] Konečný M, et al.
Cesk Radiol 1982 Mar;36(2):120–3 (Eng. Abstr.) **(Cze)**

[Testicular seminoma: apropos of 30 cases] Laverdière J.
Union Med Can 1981 Oct;110(10):905–6 (Eng. Abstr.) **(Fre)**

[Radiologic therapy of testicular seminomas] Heider KM, et al. **Radiobiol Radiother (Berl)** 1982 Jan;23(1):7–14 (Eng. Abstr.) **(Ger)**

[Radiation therapy of testicular tumors (author's transl)] Wannenmacher M. **Radiologe** 1981 Sep;21(9):414–20 (Eng. Abstr.) **(Ger)**

[Seminoma of the testis--analysis on radiation therapy and result (author's transl)] Shibuya H, et al.
Nippon Igaku Hoshasen Gakkai Zasshi 1980 Dec; 40(12):1146–52 (Eng. Abstr.) **(Jpn)**

SECONDARY

Potential for cure in metastatic ovarian teratomas and dysgerminomas. Newlands ES, et al.
Br J Obstet Gynaecol 1982 Jul;89(7):555–60

Ultrasonographic evaluation of hepatic metastases in testicular tumour. Sekiya T, et al. **Br J Radiol** 1982 May; 55(653):338–41

Metastasis of intracranial germinoma through a ventriculoperitoneal shunt. Haimovic IC, et al. **Cancer** 1981 Aug 15;48(4):1033–6

Sequential germ cell tumor without prior involvement of the testes. Pennacchio JL, et al. **J Urol** 1981 Dec;126(6):838–41

Unusual cause of increased intracranial pressure from metastatic germ cell cancer. Scalzo AJ, et al.
Med Pediatr Oncol 1982;10(1):1–5

[Examination of the growth behavior of lung metastases of testicular tumours (author's transl)] Kob D, et al.
Radiobiol Radiother (Berl) 1981;22(6):759–70 (Eng. Abstr.) **(Ger)**

[Role of retroperitoneal lymphadenectomy in the treatment of seminoma] Csapó Z, et al. **Z Urol Nephrol** 1981 Oct; 74(10):735–41 **(Ger)**

SECRETION

Fibronectin from human germ-cell tumors resembles amniotic fluid fibronectin. Ruoslahti E, et al.
Int J Cancer 1981 Jun 15;27(6):763–7

SURGERY

Surgical treatment of clinical stage I nonseminomatous germ gell tumors of the testis. Whitmore WF Jr.
Cancer Treat Rep 1982 Jan;66(1):5–10

Testicular function after unilateral orchiectomy for cancer and before further treatment. Fossâ SD, et al.
Int J Androl 1982 Apr;5(2):179–84

Retroperitoneal lymphadenectomy for germ cell tumor of testis in association with horseshoe kidney. Sogani PC, et al. **Urology** 1981 Nov;18(5):446–52

[Biopsy of retroperitoneal lymph nodes and lymph node dissection in cases of seminoma] Csapó Z, et al.
Orv Hetil 1981 Jul 12;122(28):1707–11 **(Hun)**

[Treatment of malignant ovarian tumors in girls] Durnov LA, et al. **Akush Ginekol (Mosk)** 1981 Sep;(9):26–8 (Eng. Abstr.) **(Rus)**

[Primary malignant liver tumors in children] Oleĭnik VS, et al. **Khirurgiia (Mosk)** 1982 May;5:111–2 **(Rus)**

THERAPY

Mediastinal nonseminomatous germ cell tumors: the role of combined modality therapy. Vogelzang NJ, et al.
Ann Thorac Surg 1982 Apr;33(4):333–9

Treatment of children with dysgerminoma of the ovary. Weinblatt ME, et al. **Cancer** 1982 Jun 15;49(12):2608–11

Optimal management of clinical stage I nonseminomatous testicular carcinoma: one oncologist's view. Glatstein E.
Cancer Treat Rep 1982 Jan;66(1):11–4

Clinical stage I testis tumors: the medical oncologist's view. Williams SD, et al. **Cancer Treat Rep** 1982 Jan;66(1):15–8

Patterns of care outcome studies: results of the national practice in seminoma of the testis. Hanks GE, et al.
Int J Radiat Oncol Biol Phys 1981 Oct;7(10):1413–7

Management of primary germ cell tumors of the mediastinum. Economou JS, et al. **J Thorac Cardiovasc Surg** 1982 May; 83(5):643–9

[Dysgerminoma of the ovary: a study of 13 cases (author's transl)] Nguyen TD, et al. **Bull Cancer (Paris)** 1981; 68(5):465–9 (Eng. Abstr.) **(Fre)**

[A case of primary mediastinal seminoma (author's transl)] Wakabayashi T, et al. **Kyobu Geka** 1981;34(8):634–6 (Eng. Abstr.) **(Jpn)**

[The effect of the anti-human AFP-specific antibody on AFP producing tumor line (JTG-1) in nude mice (author's transl)] Yanagisawa M, et al.
Nippon Hinyokika Gakkai Zasshi 1981 Dec;72(12):1569–76 (Eng. Abstr.) **(Jpn)**

ULTRASTRUCTURE

An ultrastructural study on germinoma cells. Koide O, et al. **Acta Pathol Jpn** 1981 Sep;31(5):755–66

Ultrastructural studies of xenografted human germ cell tumors. Monaghan P, et al. **Cancer** 1982 Feb 15; 49(4):683–97

Hypothesis: when is a seminoma not a seminoma? [letter] Prat J, et al. **J Clin Pathol** 1981 Nov;34(11):1308–9

Coexisting rete testis adenoma and gonadoblastoma. Altaffer LF 3d, et al. **J Urol** 1982 Feb;127(2):332–5

VETERINARY

Seminoma in a pigeon. Turk JR, et al. **Avian Dis** 1981 Jul-Sep;25(3):752–5

DYSGEUSIA see under **TASTE DISORDERS**

DYSKINESIA see **MOVEMENT DISORDERS**

DYSKINESIA, DRUG-INDUCED

[Cerebral side effects in metoclopramide (Cerucal) administration] Leupold H. **Z Arztl Fortbild (Jena)** 1981 Nov 1;75(21):1029–30 **(Ger)**

BLOOD

Serum prolactin and tardive dyskinesia. Glazer WM, et al. **Am J Psychiatry** 1981 Nov;138(11):1493–6

Prolactin response in tardive dyskinesia. Wolf ME, et al. **Biol Psychiatry** 1982 Apr;17(4):485–90

CHEMICALLY INDUCED

[Tardive psychosis (supersensitivity psychosis) - hypothesis or reality?] Ekbiom B, et al. **Lakartidningen** 1981 Dec 2; 78(49):4460–2 (Eng. Abstr.) **(Swe)**

CLASSIFICATION

Tardive dyskinesia: inter- and intra-rating scale comparisons. Richardson MA, et al. **Psychopharmacol Bull** 1982 Jan; 18(1):4–6

COMPLICATIONS

The coexistence of parkinsonism-like symptoms and tardive dyskinesia. Richardson MA, et al. **Am J Psychiatry** 1982 Mar;139(3):341–3

The Nithsdale Schizophrenia survey: II. Abnormal movements. McCreadie RG, et al. **Br J Psychiatry** 1982 Jun;140:587–90

Tardive dyskinesia with Tourette-like syndrome. Seeman MV, et al. **J Clin Psychiatry** 1981 Sep;42(9):357–8

Organicity and tardive dyskinesia. Wolf ME, et al.
Psychosomatics 1982 May;23(5):475–7, 480

Tardive dyskinesia--subjective discomfort from psychosocial stress [letter] Freed E. **S Afr Med J** 1982 Jul 17;62(3):80

DIAGNOSIS

Tardive dyskinesia from a neurological point of view. Starý O. **Act Nerv Super (Praha)** 1981 Dec;23(4):300–1

Differential diagnosis of tardive dyskinesia: an overview. Granacher RP Jr. **Am J Psychiatry** 1981 Oct; 138(10):1288–97

Tardive dyskinesia and factor analysis [letter] Hamer RM. **Am J Psychiatry** 1982 Sep;139(9):1218–9

More on differential diagnosis of tardive dyskinesia [letter] Kramer SI. **Am J Psychiatry** 1982 Apr;139(4):539

Perception of tardive dyskinesia in outpatients receiving maintenance neuroleptics. Rosen AM, et al.
Am J Psychiatry 1982 Mar;139(3):372–4

Hydroxyzine-associated tardive dyskinesia [letter] Clark BG, et al. **Ann Neurol** 1982 Apr;11(4):435

Research diagnoses for tardive dyskinesia [letter] Schooler NR, et al. **Arch Gen Psychiatry** 1982 Apr;39(4):486–7

Neuroleptic drugs and tardive dyskinesia. Bittker TE.
Ariz Med 1981 Sep;38(9):708–9

Reliability and validity of a tardive dyskinesia videotape rating technique. Barnes TR, et al. **Br J Psychiatry** 1982 May;140:508–15

An Ultrasound technique for the measurement of tardive dyskinesia. Resek G, et al. **Br J Psychiatry** 1981 Jun; 138:474–8

Hyperventilation as a variant of tardive dyskinesia. Greenberg DB, et al. **J Clin Psychiatry** 1981 Oct; 42(10):401–3

Intra-patient variability in the measurement of tardive dyskinesia. Richardson MA, et al.
Psychopharmacology (Berlin) 1982;76(3):269–72

[Tardive dyskinesia. AIMS (Abnormal Involuntary

Movement Scale) as a diagnostic and research tool] Burti L, et al. **Minerva Med** 1981 Oct 32;72(42):2829–36 (Eng. Abstr.) **(Ita)**

DRUG THERAPY

Tiapride in the treatment of tardive dyskinesia. Buruma OJ, et al. **Acta Neurol Scand** 1982 Jan;65(1):38–44

Efficacy of propranolol in a patient with tardive dyskinesia and extrapyramidal syndrome. Chaudhry R, et al. **Am J Psychiatry** 1982 May;139(5):674–6

Treatment of neuroleptic malignant syndrome with dantrolene sodium: a case report. Coons DJ, et al. **Am J Psychiatry** 1982 Jul;139(7):944–5

The effect of tetrahydroisoxazolopyridinol (THIP) in tardive dyskinesia: a new gamma-aminobutyric acid agonist. Korsgaard S, et al. **Arch Gen Psychiatry** 1982 Sep; 39(9):1017–21

Palliative treatment of tardive dyskinesia with combination of amantadine–neuroleptic administration. Allen RM. **Biol Psychiatry** 1982 Jun;17(6):719–27

Diazepam–induced changes in tardive dyskinesia: suggestions for a new conceptual model. Singh MM, et al. **Biol Psychiatry** 1982 Jun;17(6):729–42

Double–blind study of lecithin in the treatment of persistent tardive dyskinesia. Pérez–Cruet J, et al. **Bol Asoc Med PR** 1981 Nov;73(11):531–7

Managing tardive dyskinesia. Simpson GM. **Hosp Community Psychiatry** 1982 Feb;33(2):91–6

Diazepam in the treatment of extrapyramidal symptoms: a case report. Director KL, et al. **J Clin Psychiatry** 1982 Apr;43(4):160–1

Treatment of tardive dyskinesia with propranolol [editorial] Pitts FN Jr. **J Clin Psychiatry** 1982 Aug;43(8):304

Treatment of tardive dyskinesia with propranolol. Schrodt GR Jr, et al. **J Clin Psychiatry** 1982 Aug;43(8):328–31

Metoclopramide treatment of tardive dyskinesia. Karp JM, et al. **JAMA** 1981 Oct 23–30;246(17):1934–5

Co–dergocrine (hydergine) in the treatment of tardive dyskinesia. Rastogi SC, et al. **Psychol Med** 1982 May; 12(2):427–9

Symptomatic treatment of tardive dyskinesia: a word of caution. Kucharski LT, et al. **Schizophr Bull** 1981; 7(4):571–3

[Extrapyramidal hyperkinesia in the facial region] Hanzal F, et al. **Cesk Neurol Neurochir** 1981 Sep;44(5):314–9 (Eng. Abstr.) **(Cze)**

[Bromocriptine in the treatment of patients with parkinsonism and dyskinesias induced by levodopa] Haas JA, et al. **Ned Tijdschr Geneeskd** 1982 Apr 17;126(16):701–5 (Eng. Abstr.) **(Dut)**

ETIOLOGY

The prevalence of persistent abnormal involuntary movements among patients in a Nigerian long stay psychiatric unit. Odejide AO. **Afr J Med Med Sci** 1981 Mar–Jun;10(1–2):39–43

Physical and ethnic variables in dosage for Asians [letter] Ananth J, et al. **Am J Psychiatry** 1982 Apr;139(4):539–40

Swallowing, tardive dyskinesia and anticholinergics [letter] Craig TJ, et al. **Am J Psychiatry** 1982 Aug;139(8):1083

Fluphenazine decanoate and tardive dyskinesia: a possible association. Csernansky JG, et al. **Am J Psychiatry** 1981 Oct;138(10):1362–5

Respiratory dyskinesia and dysarthria from prolonged neuroleptic use: tardive dyskinesia? Faheem AD, et al. **Am J Psychiatry** 1982 Apr;139(4):517–8

Fluphenazine decanoate and tardive dyskinesia [letter] Schiff AA. **Am J Psychiatry** 1982 Jul;139(7):969–70

Tardive dyskinesia, fluphenazine decanoate, and haloperidol [letter] Waddington JL. **Am J Psychiatry** 1982 May; 139(5):703–4

Analysis of single–double blind procedures, maintenance of placebo effects and drug induced dyskinesia with mentally retarded persons. Breuning SE, et al. **Appl Res Ment Retard** 1980;1(3–4):175–92

Incidence and severity of tardive dyskinesia increase with age [letter] Johnson GF, et al. **Arch Gen Psychiatry** 1982 Apr;39(4):486

Depression as a risk factor in tardive dyskinesia. Rush M, et al. **Biol Psychiatry** 1982 Mar;17(3):387–92

Nomifensine and dyskinesia [letter] Gibson AC. **Br J Psychiatry** 1981 May:138:439

Tardive dyskinesia in a nonpsychiatric patient due to short–term use of a neuroleptic/anticholinergic combination drug. Chouinard G, et al. **Can Med Assoc J** 1982 Apr 1;126(7):821–2

Adverse neurologic effects of metoclopramide. Grimes JD, et al. **Can Med Assoc J** 1982 Jan 1;126(1):23–5

Drug–induced parkinsonism and tardive dyskinesia in nonpsychiatric patients [letter] Grimes JD. **Can Med Assoc J** 1982 Mar 1;126(5):468

Administering lithium carbonate and haloperidol [letter] Rosenbaum A. **Hosp Community Psychiatry** 1982 Mar; 33(3):186

A centralized data system for studies of tardive dyskinesia [letter] Gualtieri CT, et al. **J Am Acad Child Psychiatry** 1982 May;21(3):303–4

Dogma disputed: is tardive dyskinesia due to postsynaptic dopamine receptor supersensitivity? Jeste DV, et al. **J Clin Psychiatry** 1981 Dec;42(12):455–7 (36 ref.)

Tardive dyskinesia with Tourette–like syndrome [letter] Rebal RF. **J Clin Psychiatry** 1982 May;43(5):215

Tardive–dyskinesia and lithium–associated neuropathy [letter] Rogers GA. **J Clin Psychiatry** 1981 Sep;42(9):363–4

Over (or Under) prescription of antipsychotic drugs: tardive dyskinesia and other liability exposure. Fried JM. **J Clin Psychopharmacol** 1981 Jul;1(4):246–8

A tardive dyskinesia–like syndrome after amitriptyline treatment. Woogen S, et al. **J Clin Psychopharmacol** 1981 Jan;1(1):34–6

Tardive dystonia and inappropriate use of neuroleptic drugs [letter] Burke RE, et al. **Lancet** 1982 Jun 5;1(8284):1299

Long–term follow–up of tardive dyskinesia due to metoclopramide [letter] Grimes JD, et al. **Lancet** 1982 Sep 4;2(8297):563

Neuroleptic–induced tasikinesia [letter] Freed ED. **Med J Aust** 1981 Nov 14;2(10):517

Parkinsonism and tardive dyskinesia associated with long–term metoclopramide therapy [letter] Grimes JD. **N Engl J Med** 1981 Dec 3;305(23):1417

Acute dyskinesias in monkeys elicited by halopemide, mezilamine and the 'antidyskinetic' drugs, oxiperomide and tiapride. Neale R, et al. **Psychopharmacology (Berlin)** 1981; 75(3):254–7

Neuroleptic–induced acute dyskinesias in rhesus monkeys. Porsolt RD, et al. **Psychopharmacology (Berlin)** 1981; 75(1):16–21

Tardive dyskinesia in chronic schizophrenic inpatients. Kua EH, et al. **Singapore Med J** 1982 Feb;23(1):19–21

[Tardive dyskinesia following metoclopramide (Primperan)] Bjørndal F. **Ugeskr Laeger** 1982 Mar 22;144(12):878–9 (Eng. Abstr.) **(Dan)**

[Tardive dyskinesia following after small doses of neuroleptics] Bjørndal F, et al. **Ugeskr Laeger** 1982 Mar 22;144(12):871–2 (Eng. Abstr.) **(Dan)**

[Tardive dyskinesia following after neuroleptics in small doses] Rasmussen PT, et al. **Ugeskr Laeger** 1982 Mar 22; 144(12):894–5 **(Dan)**

[Dyskinesias due to veralipride (letter)] Laplane D, et al. **Nouv Presse Med** 1982 Jun 5;11(26):2015 **(Fre)**

[Prevention of tardive dyskinesia caused by neuroleptic therapy] Perényi A. **Orv Hetil** 1981 Jul 5;122(27):1627–30 **(Hun)**

[Two cases of Parkinson's disease with diphasic dyskinesia, seen during levodopa treatment (author's transl)] Mano Y, et al. **Rinsho Shinkeigaku** 1982 Mar;22(3):209–15 (Eng. Abstr.) **(Jpn)**

[Pathomechanism of dyskinesia associated with treatment of Parkinson disease with levodopa] Friedman A. **Neurol Neurochir Pol** 1981 Jul–Aug;15(4):407–9 (Eng. Abstr.) **(Pol)**

[Tardive dyskinesia – metoclopramide and thiethylperazine] **Lakartidningen** 1981 Aug 5;78(32–33):2751–2 **(Swe)**

FAMILIAL & GENETIC

Familial tardive dyskinesia. Yassa R, et al. **Am J Psychiatry** 1981 Dec;138(12):1618–9

The effect of haloperidol feeding on dopamine receptor number in ten mouse strains. Belmaker RH, et al. **Clin Genet** 1981 May;19(5):353–6

METABOLISM

The biochemical background to tardive dyskinesia. Ansell GB. **Neuropharmacology** 1981 Apr;20(4):311–7 (65 ref.)

Does homocarnosine mediate the dyskinetic movements induced by gaba–transaminase inhibitors. Robin MM, et al. **Neuropharmacology** 1982 May;21(5):479–82

NURSING

Drug–induced dyskinesias. Rosal–Greif VL. **Am J Nurs** 1982 Jan;82(1):66–9

OCCURRENCE

Tardive dyskinesia: prevalence and risk factors, 1959 to 1979. Kane JM, et al. **Arch Gen Psychiatry** 1982 Apr;39(4):473–81 (129 ref.)

Tardive dyskinesia in psychiatric outpatients: a study of prevalence and association with demographic, clinical, and drug history variables. Mukherjee S, et al. **Arch Gen Psychiatry** 1982 Apr;39(4):466–9

Prevalence of tardive dyskinesia in 3140 French inpatients. Yesavage JA, et al. **J Nerv Ment Dis** 1982 Feb;170(2):111–2

Further remarks on covert dyskinesia in ambulatory schizophrenia [letter] Carpenter WT Jr, et al. **Lancet** 1982 Jun 19;1(8286):1421

Epidemiology of tardive dyskinesia in the elderly. Blowers AJ. **Neuropharmacology** 1981 Dec;20(12B):1339–40

[Involuntary movements as a complication of treatment of extrapyramidal disorders with L–dopa] Friedman A, et al. **Neurol Neurochir Pol** 1981 Jul–Aug;15(4):437–40 (Eng. Abstr.) **(Pol)**

PHYSIOPATHOLOGY

Tardive dyskinesia and body weight in psychiatric outpatients [letter] Johnson GF, et al. **Am J Psychiatry** 1981 Oct;138(10):1398

A case report of tardive hemidyskinesia. McEntee WJ, et al. **Am J Psychiatry** 1981 Oct;138(10):1380–1

The Nithsdale schizophrenia survey: III. Handedness and tardive dyskinesia. McCreadie RG, et al. **Br J Psychiatry** 1982 Jun;140:591–4

Tardive dyskinesia and abnormal tongue movements. Pi EH, et al. **Br J Psychiatry** 1981 Dec;139:526–8

Tardive dyskinesia: pharmacology and clinical implications. Goetz CG, et al. **Clin Neuropharmacol** 1982;5(1):3–22 (91 ref.)

Evaluation fo some hepatic functions among patients undergoing long–term therapy with neuroleptics and tardive dyskinesia development. Yonchev V, et al. **Folia Med (Plovdiv)** 1981;23(1):32–6

Drug–induced extrapyramidal disorders – a neuropsychiatric interface. Goetz CG, et al. **J Clin Psychopharmacol** 1981 Sep;1(5):297–303

Neural mechanisms of tardive dyskinesia. Lidsky TI, et al. **Med Hypotheses** 1981 Sep;7(9):1117–22

The effect of methylphenidate on tardive dyskinesia. Radonjic D, et al. **Prog Neuropsychopharmacol** 1981; 5(5–6):491–4

PREVENTION & CONTROL

Schizophrenics and tranquilizers [letter] Hoffer A. **Can Med Assoc J** 1982 Jun 15;126(12):1375–6

PSYCHOLOGY

Emotional factors in oculogyric crisis. Bumpass ER, et al. **J Nerv Ment Dis** 1982 Jun;170(6):366–70

Tardive dyskinesia and perceptual dysfunction. Donnelly EF, et al. **Percept Mot Skills** 1981 Dec;53(3):689–90

REHABILITATION

Follow–up study on the reversibility of tardive dyskinesia. Wegner JT, et al. **Am J Psychiatry** 1982 Mar;139(3):368–9

THERAPY

Tardive dyskinesia. Johnson GF. **Aust NZ J Psychiatry** 1980 Dec;14(4):261–3

Management of tardive dyskinesia: current update. Simpson GM, et al. **Drugs** 1982 May;23(5):381–93 (82 ref.)

DYSKINESIA, TARDIVE see **DYSKINESIA, DRUG–INDUCED**

DYSLEXIA

Reading abilities of elderly persons in relation to the difficulty of essential documents. Walmsley SA, et al. **Gerontologist** 1982 Feb;22(1):36–8

COMPLICATIONS

Developmental dyslexia and hyperkinetic behaviour syndrome. Rao GP. **Indian J Pediatr** 1981 May–Jun; 48(392):323–6

DIAGNOSIS

Diagnosing dyslexia. A note on the need for ecological assessment. Forness SR. **Am J Dis Child** 1982 Sep; 136(9):794–9 (81 ref.)

Diagnosis of dyslexia by means of a new indicator of eye dominance. Stein JF, et al. **Br J Ophthalmol** 1982 May; 66(5):332–6

New diagnostic technique BEAmed at dyslexia [news] Cowart VS. **JAMA** 1982 Apr 16;247(15):2072–3, 2077

In search of the third dyslexia. Aaron PG, et al. **Neuropsychologia** 1982;20(2):203–8

Minnesota Percepto–Diagnostic Test and reading achievement. Putnam LR. **Percept Mot Skills** 1981 Aug; 53(1):235–8

Gray Oral Reading Tests: some reliability and validity data with learning–disabled children. Ryckman DB. **Psychol Rep** 1982 Apr;50(2):673–4

[Audiometric findings in legasthenics (author's transl)] Breuninger H, et al. **Laryngol Rhinol Otol (Stuttg)** 1982 Jan;61(1):35–7 (Eng. Abstr.) **(Ger)**

DRUG THERAPY

Methylphenidate and diazepam in severe reading retardation. Aman MG, et al. **J Am Acad Child Psychiatry** 1982 Jan; 21(1):31–7

ETIOLOGY

History of writing and its relevance for the linguistic disorder in dyslexia: discussion paper. Russell GF. **J R Soc Med** 1982 Aug;75(8):631–40

Review: neurophysiologic aspects of developmental dyslexia. Long RL, et al. **JDBP** 1982 Mar;3(1):2–6 (29 ref.)

Developmental dyslexia. The medical dimension. Harland RD. **Practitioner** 1981 Jun;225(1356):887–903

PATHOLOGY

Symmetry and asymmetry in the human posterior thalamus. II. Thalamic lesions in a case of developmental dyslexia. Galaburda AM, et al. **Arch Neurol** 1982 Jun;39(6):333–6

PHYSIOPATHOLOGY

Eye and head movements in reading–disabled and normal children. Petri JL, et al. **Am J Occup Ther** 1980 Dec; 34(12):801–8

Oculomotor functions in reading disability. Poynter HL, et al. **Am J Optom Physiol Opt** 1982 Feb;59(2):116–27

Cortical, subcortical, and brainstem dysfunction: a correlation in dyslexic children. Welsh LW, et al.
Ann Otol Rhinol Laryngol 1982 May-Jun;91(3 Pt 1):310-5
Bimanual co-ordination in adolescent boys with reading retardation. Klicpera C, et al. **Dev Med Child Neurol** 1981 Oct;23(5):617-25
[Ocular scanning modalities in dyslexic children (author's transl)] Gaberšek V, et al.
Rev Electroencephalogr Neurophysiol Clin 1981 Nov; 11(2):277-88 (Eng. Abstr.) **(Fre)**

PSYCHOLOGY

Functional cerebral lateralization in subtypes of disabled readers. Dalby JT, et al. **Brain Lang** 1981 Sep;14(1):34-48
Selective attention and laterally in good and poor readers. Milberg VW, et al. **Cortex** 1981 Dec;17(4):571-82
Cognitive profiles in reading disability. Moore MJ, et al. **Genet Psychol Monogr** 1982 Feb;105(First Half):41-93
Televised classroom events as distractors for reading-disabled children. Patton JE, et al.
J Abnorm Child Psychol 1981 Sep;9(3):355-70
Children with reading and spelling retardation: functioning of whole-word and correspondence-rule mechanisms. Jorm AF. **J Child Psychol Psychiatry** 1981 Apr;22(2):171-8
Reading retardation and antisocial behaviour. Sturge C. **J Child Psychol Psychiatry** 1982 Jan;23(1):21-31
Effects of hemisphere-specific stimulation on the reading performance of dyslexic boys: a pilot study. Bakker DJ, et al. **J Clin Neuropsychol** 1981 Jul;3(2):155-9
Performance of dyslexic children on speech perception tests. Godfrey JJ, et al. **J Exp Child Psychol** 1981 Dec; 32(3):401-24
Processing of identity and position information in normal and disabled readers. Manis FR, et al.
J Exp Child Psychol 1982 Feb;33(1):74-86
Topographic instability of spatial vision as a cause of dyslectic disorder: a case study. Nyman G, et al.
Neuropsychologia 1982;20(2):181-6
Achievement in reading, verbal language, listening comprehension and locus of control of adult illiterates in a volunteer tutorial project. Gold PC, et al.
Percept Mot Skills 1982 Jun;54(3 Pt 2):1243-50
Durations of recognition for single letters, with and without visual masking, by dyslexics and normal readers. Grosser GS, et al. **Percept Mot Skills** 1981 Dec;53(3):991-5
Language disorders and prognosis for reading disabilities in developmental age. Levi G, et al. **Percept Mot Skills** 1982 Jun;54(3 Pt 2):1119-22
Geometric figure-rotation task and face representation in dyslexia: role of spatial relations and orientation. Pontius AA. **Percept Mot Skills** 1981 Oct;53(2):607-14
Entry level achievement characteristics of youth and adults reading below fifth grade equivalent: a preliminary profile and analysis. Gold PC, et al. **Psychol Rep** 1982 Jun;50(3 Pt 1):1011-9
Selecting intelligence tests for studies of dyslexic children. Stanley G, et al. **Psychol Rep** 1982 Jun;50(3 Pt 1):787-92
Visual memory and phonological skills in reading and spelling backwardness. Bradley L, et al. **Psychol Res** 1981; 43(2):193-9
Visual and name coding in dyslexic children. Ellis N.
Psychol Res 1981;43(2):201-18
Experimental approaches to developmental dyslexia: an introduction. Frith U. **Psychol Res** 1981;43(2):97-109
Do dyslexics have difficulty accessing articulatory information? Montgomery D. **Psychol Res** 1981; 43(2):235-43
Spelling, reading and adult illiteracy. Perin D.
Psychol Res 1981;43(2):245-57
Phonemic deficits in developmental dyslexia. Snowling MJ. **Psychol Res** 1981;43(2):219-34
[Dyslexia? A case of noninterpretative child analysis which poses a question] Nievergelt HU.
Prax Kinderpsychol Kinderpsychiatr 1982 Apr;31(3):93-8 (Eng. Abstr.) **(Ger)**

RADIOGRAPHY

Cerebral asymmetry in developmental dyslexia. Haslam RH, et al. **Arch Neurol** 1981 Nov;38(11):679-82

REHABILITATION

Educationally handicapped children's locus of control and reading achievement. Rich HL. **Except Child** 1981 Nov; 48(3):244-8
Word game bingo: a behavioral treatment package for improving textual responding to sight words. Kirby KC, et al. **J Appl Behav Anal** 1981 Fall;14(3):317-26
Remediation of letter reversals. Adams GL, et al.
Percept Mot Skills 1982 Jun;54(3):1002
The effects of manual tracing on memory in normal and retarded readers: some implications for multi-sensory teaching. Hulme C. **Psychol Res** 1981;43(2):179-91
The utilization of intraword structure in poor readers: experimental evidence and a training program. Scheerer-Neumann G. **Psychol Res** 1981;43(2):155-78
A tactile approach to reading. Bradley L.
Spec Educ Forward Trends 1981 Dec;8(4):32-6

THERAPY

The significance of visual training in the treatment of reading disabilities. Broxterman J, et al. **Am Correct Ther J** 1981 Sep-Oct;35(5):122-5
Hypnotherapy of a neurotic reading problem. van Rooyen EJ. **Am J Clin Hypn** 1981 Oct;24(2):124-37
The current status of remedial intervention for children with reading problems [letter] Hewison J.
Dev Med Child Neurol 1982 Apr;24(2):183-6
Collateral gains and short-term maintenance in reading and on-task responses by inner-city adolescents as a function of their use of social reinforcement while tutoring. Greer RD, et al. **J Appl Behav Anal** 1982 Spring;15(1):123-39

DYSLEXIA, ACQUIRED

COMPLICATIONS

Vision-specific anomia and total involvement of splenium in alexia without agraphia [letter] Mori E, et al.
Arch Neurol 1982 Apr;39(4):258
Transtentorial herniation with posterior cerebral artery territory infarction. A new mechanism of the syndrome of alexia without agraphia. Kirshner HS, et al. **Stroke** 1982 Mar-Apr;13(2):243-46

DIAGNOSIS

[Status of simple partial seizures with alexia (author's transl)] Hacke W. **Nervenarzt** 1981 Oct;52(10):590-5 **(Ger)**

ETIOLOGY

Right thalamic injury, impaired visuospatial perception, and alexia. Henderson VW, et al. **Neurology (NY)** 1982 Mar; 32(3):235-40
Strokes and behavior: disorders of higher cortical functions following cerebral disease. Disorders of language and related function. Boller F. **Stroke** 1981 Jul-Aug;12(4):532-4
[Alexia without agraphia or hemianopsia in a case of CO intoxication (author's transl)] Kawamura M, et al.
Rinsho Shinkeigaku 1981 Jul;21(7):628-36 (Eng. Abstr.) **(Jpn)**
[Alexia without agraphia, right homonymous hemianopsia, and color anomia. Report of four cases with location of the lesion by computerized axial tomography of the brain (author's transl)] Martí-Massó JF, et al.
Med Clin (Barc) 1981 Jun 25;77(2):64-8 (Eng. Abstr.) **(Spa)**

PATHOLOGY

Conduction aphasia, syntactic alexia, and the anatomy of syntactic comprehension. Rothi LJ, et al. **Arch Neurol** 1982 May;39(5):272-5

PHYSIOPATHOLOGY

[A case of alexia without agraphia. Clinical and CBF study (author's transl)] Demeurisse G, et al. **Rev Med Brux** 1981 Dec;2(10):933-8 (Eng. Abstr.) **(Fre)**

PSYCHOLOGY

Word and letter reading and the mechanism of the third alexia. Kirshner HS, et al. **Arch Neurol** 1982 Feb;39(2):84-7
Surface dyslexia: a case report and some theoretical implications to reading models. Deloche G, et al.
Brain Lang 1982 Jan;15(1):12-31
Linguistic and nonlinguistic processing of narratives in aphasia. Huber W, et al. **Brain Lang** 1982 May;16(1):1-18
Spelling dyslexia: a form of cross-cuing. Speedie LJ, et al.
Brain Lang 1982 Mar;15(2):340-52
Pure alexia in a Kannada-English bilingual. Karanth P.
Cortex 1981 Jul;17(2):187-98
Intellectual performance and reading skills after localized head injury in childhood. Chadwick O, et al.
J Child Psychol Psychiatry 1981 Apr;22(2):117-39
Letter recognition and visual form discrimination in aphasic alexia. Varney NR. **Neuropsychologia** 1981;19(6):795-800
The psycholinguistic analysis of acquired dyslexias: some illustrations. Coltheart M.
Philos Trans R Soc Lond [Biol] 1982 Jun 25; 298(1089):151-64

THERAPY

Vertical reading: a new method of therapy for reading disturbances in aphasics. Gheorghita N.
J Clin Neuropsychol 1981 Jul;3(2):161-4

DYSLEXIA, CONGENITAL see **DYSLEXIA**

DYSLEXIA, DEVELOPMENTAL see **DYSLEXIA**

DYSMENORRHEA

Dysmenorrhea. Dawood MY. **Compr Ther** 1982 Jun;8(6):9-15 (13 ref.)

COMPLICATIONS

Terbutaline inhalation for alleviation of severe pain in essential dysmenorrhea. Kullander S, et al.
Acta Obstet Gynecol Scand 1981;60(4):425-7

DRUG THERAPY

Effect of salbutamol on the non-pregnant human uterus in vivo. A hysterometric study in dysmenorrheic women. Lalos O, et al. **Acta Obstet Gynecol Scand** 1981; 60(4):349-52
Prostaglandin-mediated dysmenorrhea [letter] Duvivier R. **Am J Obstet Gynecol** 1982 May 1;143(1):115-6
Intrauterine pressure changes during dysmenorrhea therapy. Smith RP, et al. **Am J Obstet Gynecol** 1982 Jun 1; 143(3):286-92
Flurbiprofen in dysmenorrhea. DeLia JE, et al.
Clin Pharmacol Ther 1982 Jul;32(1):76-80
Primary dysmenorrhea: pathogenesis and therapy. Kulig JW. **Conn Med** 1982 Mar;46(3):123-5
Treatment of primary dysmenorrhea with diclofenac sodium. Riihiluoma P, et al. **Eur J Obstet Gynaecol Reprod Biol** 1981 Sep;12(3):189-94
Antiprostaglandins for primary dysmenorrhea [letter] Budoff PW. **JAMA** 1981 Dec 4;246(22):2576-7
Role of the Radiologist [letter] Smith RP, et al. **JAMA** 1982 Apr 23;247(16):2233-4
Zomepirac sodium in the treatment of primary dysmenorrhea syndrome. Budoff PW. **N Engl J Med** 1982 Sep 16; 307(12):714-9
Prostaglandin inhibitors: new treatment for an old nemesis [editorial] Dingfelder JR. **N Engl J Med** 1982 Sep 16; 307(12):746-7
Feldene in the symptomatic treatment of primary dysmenorrhoea. Cash HC, et al. **Practitioner** 1982 Jul; 226(1369):1338-41
Combined effects of diflunisal and nifedipine on uterine contractility in dysmenorrhoeic patients. Forman A, et al. **Prostaglandins** 1982 Feb;23(2):237-46
[Indomethacin treatment of primary dysmenorrhea] Katsulov A, et al. **Akush Ginekol (Sofiia)** 1981;20(6):467-70 (Eng. Abstr.) **(Bul)**
[Combined treatment of idiopathic dysmenorrhoea by acetylsalicylic acid and guaiphenezine (author's transl)] Kraus I, et al. **Cesk Gynekol** 1981 Sep;46(8):601-5 (Eng. Abstr.) **(Cze)**
[Treatment of juvenile dysmenorrhea with 6-dehydro-retro-progesterone] Ohlenroth G, et al.
Med Welt 1982 Apr 30;33(17):645-6 **(Ger)**
[Therapy of dysmenorrhea with prostaglandin synthetase inhibitors: experiences with fluproquazone] Kunz J, et al. **Schweiz Med Wochenschr** 1981 Sep 26;111(39):1451-5 (Eng. Abstr.) **(Ger)**
[Effectiveness of indomethacin in the management of childhood and juvenile primary dysmenorrhea (letter)] Szigeti L, et al. **Orv Hetil** 1981 Jul 26;122(30):1871 **(Hun)**
[Use of indomethacin in treating primary algomenorrhea] Székely J, et al. **Akush Ginekol (Mosk)** 1982 Apr;(4):55-6 **(Rus)**
[Mefenamic acid in primary dysmenorrhea] Islas Pérez I, et al. **Ginecol Obstet Mex** 1981 Jan;48(291):33-6 (Eng. Abstr.) **(Spa)**

ENZYMOLOGY

Increased activity of lysosomal enzymes in plasma of dysmenorrhoeic women [letter] Strömberg P, et al.
Lancet 1982 Jul 17;2(8290):158-9

ETIOLOGY

Primary dysmenorrhea: current concepts. Jay MS, et al.
Am Fam Physician 1981 Nov;24(5):129-34
Uterus communicans septus, cervix duplex, and vagina septa unilateralis atretica: a previously unreported genital malformation. Toaff ME, et al. **Am J Obstet Gynecol** 1982 Aug 15;143(8):965-6

OCCURRENCE

Epidemiology of adolescent dysmenorrhea. Klein JR, et al.
Pediatrics 1981 Nov;68(5):661-4

PSYCHOLOGY

Primary dysmenorrhea. Relationship to personality and attitudes in adolescent females. Lawlor CL, et al.
J Adolesc Health Care 1981 Mar;1(3):208-12
The relationship between life change events, social supports, and dysmenorrhea. Jordan J, et al. **Res Nurs Health** 1982 Jun;5(2):73-9
Estimating perimenstrual distress: a comparison of two methods. Woods NF, et al. **Res Nurs Health** 1982 Jun; 5(2):81-91
[Dear dysmenorrhea patient!] Althof-Kruse U.
ZFA (Stuttgart) 1981 Sep 20;57(26):1733-7 **(Ger)**
[Relation between negative events and experiences during menarche, certain personality traits and dysmenorrhea] Görgényi K, et al. **Orv Hetil** 1982 Jan 24;123(4):219-20 **(Hun)**

THERAPY

The treatment of dysmenorrhea by acupuncture. Steinberger A. **Am J Chin Med** 1981 Spring;9(1):57-60
How I manage dysmenorrhoea. Elliott C.
Aust Fam Physician 1981 Aug;10(8):596-8
A comparison of skin temperature and EMG training for primary dysmenorrhea. Hart AD, et al.
Biofeedback Self Regul 1981 Sep;6(3):367-73
Adolescent endometriosis [letter] De Lia JE.
J Adolesc Health Care 1981 Jun;1(4):321-2

Primary dysmenorrhea. Brown MA. **Nurs Clin North Am** 1982 Mar;17(1):145–53

Peripheral nerve stimulation in the management of dysmenorrhea. Walker JB, et al. **Pain** 1981 Dec; 11(3):355–61

[The authors' experience with the treatment of dysmenorrhoea by means of acupuncture (author's transl)] Chovanec M, et al. **Cesk Gynekol** 1980 Nov;45(9):645–8 (Eng. Abstr.) **(Cze)**

[Laparoscopic ventrosuspension] Olsen NJ, et al. **Ugeskr Laeger** 1982 Mar 22;144(12):873–4 (Eng. Abstr.) **(Dan)**

[Dysmenorrhea. Acupuncture treatment of 40 cases coming to our attention. Clinical note] Bondi N, et al. **Minerva Med** 1981 Sep 15;72(33):2227–30 (Eng. Abstr.) **(Ita)**

DYSOSTOSIS, CLEIDOCRANIAL see **CLEIDOCRANIAL DYSOSTOSIS**

DYSOSTOSIS, CRANIOFACIAL see **CRANIOFACIAL DYSOSTOSIS**

DYSPAREUNIA

SURGERY

The improvement of fertility at women with bicervical bicornuate uterus and double vagina. Sîrbu P, et al. **Acta Eur Fertil** 1981 Sep;12(3):199–212 **(Eng, Fre)**

THERAPY

Dyspareunia. Setchell ME. **Br J Hosp Med** 1981 Nov; 26(5):538, 540–1

[Coital problems in women] Denk Z. **Cesk Gynekol** 1981 Sep;46(8):630–3 **(Cze)**

[Laparoscopic ventrosuspension] Krogh MR. **Ugeskr Laeger** 1981 Dec 7;143(50):3389–90 (Eng. Abstr.) **(Dan)**

[Laparoscopic ventrosuspension] Olsen NJ, et al. **Ugeskr Laeger** 1982 Mar 22;144(12):873–4 (Eng. Abstr.) **(Dan)**

DYSPEPSIA

[The maintenance of patients with dyspepsia] Liedberg G. **Lakartidningen** 1982 Feb 10;79(6):397–8 **(Swe)**

COMPLICATIONS

Duodeno-gastric reflux in normal and dyspeptic subjects. Hughes K, et al. **Clin Radiol** 1982 Jul;33(4):461–6

DIAGNOSIS

Indigestion and flatulence. Hecker R. **Aust Fam Physician** 1981 Jun;10(6):447–51

[Endoscopy or radiography? Choice of 1st examination in dyspepsia in the upper abdominal region] Møllmann KM. **Nord Med** 1982 Mar;97(3):70–1 (Eng. Abstr.) **(Dan)**

[Ulcer-diagnosis or complication] Löfstedt S. **Lakartidningen** 1982 Feb 10;79(6):472–4 **(Swe)**

DRUG THERAPY

Five-year study of cimetidine or surgery for severe duodenal ulcer dyspepsia. Gray GR, et al. **Lancet** 1982 Apr 3; 1(8275):787–8

[Current treatment of dyspeptic syndromes with a modern drug association evaluated with a double-blind study] Mancini V, et al. **Clin Ter** 1982 Apr 15;101(1):71–4 **(Ita)**

[Neurotensin—a peptide with unusual qualities. May serve as a base for drugs against dyspeptic disorders] Lennholm B. **Lakartidningen** 1982 Feb 3;79(5):295–7 **(Swe)**

ETIOLOGY

[Gastrointestinal changes in mixed connective tissue disease. Apropos of a clinical case] Magarò M, et al. **Minerva Med** 1981 Sep 22;72(35):2355–60 (Eng. Abstr.) **(Ita)**

[Functional disease of the stomach. A preliminary study on gastric emptying and motility (author's transl)] Medina LA, et al. **Rev Med Chil** 1981 Dec;109(12):1185–7 (Eng. Abstr.) **(Spa)**

IMMUNOLOGY

[Specific activity of fecal IgAs antibodies in infants with primary enteritis or secondary dyspepsia] Voiculescu C, et al. **Rev Ig [Bacteriol]** 1981 Jul–Sep;26(3):183–90 **(Rum)**

METABOLISM

Exocrine pancreatic function in patients with dyspepsia. Andersen BN, et al. **Hepatogastroenterology** 1982 Feb; 29(1):35–7

MICROBIOLOGY

[Intestinal microflora after stomach cancer surgery] Dronova OM, et al. **Lab Delo** 1982;(6):38–41 **(Rus)**

DYSPHAGIA see **DEGLUTITION DISORDERS**

DYSPHASIA see **APHASIA**

DYSPHONIA see **VOICE DISORDERS**

DYSPLASIA EPIPHYSIALIS PUNCTATA see **CHONDRODYSTROPHIA CALCIFICANS CONGENITA**

DYSPNEA

CHEMICALLY INDUCED

[Attacks of dyspnea and frequent asthma episodes in a painter using sprays] Baur X. **Internist (Berlin)** 1982 Mar; 23(3):171–3 **(Ger)**

COMPLICATIONS

Severe congestive heart failure with progressive dyspnea. Franklin K, et al. **Hosp Pract** 1981 Sep;16(9):139, 142–3, 148

DIAGNOSIS

Diagnosing the breathless patient [letter] Mustchin CP, et al. **Lancet** 1982 Apr 17;1(8277):907–8

Abnormal wasted ventilation fraction and normal pulmonary hemodynamics during exercise in patients with exertional dyspnea. Mohsenifar Z, et al. **Respiration** 1982;43(4):263–70

DRUG THERAPY

Effects of salbutamol, ipratropium bromide and disodium cromoglycate on breathlessness induced by exercise in normal subjects. Stark RD, et al. **Br J Clin Pharmacol** 1981 Oct;12(4):497–501

Breathlessness, alcohol, and opiates [letter] Bar-Or D, et al. **N Engl J Med** 1982 Jun 3;306(22):1363–4

[Dyspnea—what is to be done?] Nolte D. **Wien Med Wochenschr** 1982 Apr 30;132(8):169–73 **(Ger)**

ETIOLOGY

Studies on the causes of asthmatic dyspnea. (The cybernetic theory of bronchial asthma). Farrerons-Co J. **Allergol Immunopathol (Madr)** 1982 Mar–Apr;10(2):137–46

Paroxysmal nocturnal dyspnea in CHF: mechanisms and aminophylline therapy [letter] Rees PJ, et al. **Am Heart J** 1982 Feb;103(2):311

Asthma—expiratory dyspnoea? [letter] Connolly CK. **Br Med J [Clin Res]** 1982 May 29;284(6329):1632

Dyspnea. Burki NK. **Clin Chest Med** 1980 Jan;1(1):47–55 (56 ref.)

A design defect in a new ventilator [letter] Gibbs PS, et al. **Crit Care Med** 1981 Sep;9(9):687

Trepopnea resulting from large aneurysm of sinus of Valsalva and descending aorta. Acosta J, et al. **Heart Lung** 1982 Jul–Aug;11(4):342–4

Dyspnoea during generalised spasms in tetraplegic patients. Silver JR, et al. **J Neurol Neurosurg Psychiatry** 1981 Sep; 44(9):842–5

Enigmatic dyspnoea: an unusual presentation of motor-neurone disease. Nightingale S, et al. **Lancet** 1982 Apr 24;1(8278):933–5

The diagnosis and management of patients admitted to hospital with acute breathlessness. Pearson SB, et al. **Postgrad Med J** 1981 Jul;57(669):419–24

Clinicopathological Conference. Progressive dyspnoea and pulmonary nodules [clinical conference] **S Afr Med J** 1982 Aug 14;62(8):242–6

Microscopic pulmonary embolization by adenocarcinoma of prostate. Miedema EB, et al. **Urology** 1981 Oct; 18(4):399–401

[A 23-year-old Lebanese (Egypt sojourn) with stress dyspnea, syncope and liver parenchyma damage] Kluge F, et al. **Internist (Berlin)** 1981 Nov;22(11):705–9 **(Ger)**

[Stress dyspnea, hypoxemia and polycythemia after penetrating lung injury 35 years ago] Werdan K, et al. **Internist (Berlin)** 1982 Apr;23(4):233–6 **(Ger)**

[Ergometric studies in cost miners and foundry workers for differentiating the causes of dyspnea on exertion (author's transl)] Hieber AR, et al. **Prax Klin Pneumol** 1982 Jan; 36(1):7–13 (Eng. Abstr.) **(Ger)**

[Thoracic fistulas of the pancreas and their complications in childhood (author's transl)] Fritsch R, et al. **Rontgenblatter** 1981 Aug;34(8):304–9 (Eng. Abstr.) **(Ger)**

[A case of pseudocardiopathy caused by pectus excavatum] Pelucco D, et al. **Arch E Maragliano Patol Clin** 1978; 34(2):215–7 **(Ita)**

[Thymus hypertrophy as a cause of dyspnea in children] Mazurek A, et al. **Wiad Lek** 1982 Jan 1;35(1):19–24 (Eng. Abstr.) **(Pol)**

OCCURRENCE

[Results of a questionnaire study on coronary disease and its relation to electrocardiographic changes and respiratory symptoms in a North German population] Todzy I, et al. **Soz Praventivmed** 1981 Sep;26(4):237–47 (Eng. Abstr.) **(Ger)**

PHYSIOPATHOLOGY

Asthma—expiratory dyspnoea? [letter] **Br Med J [Clin Res]** 1981 Oct 24;283(6299):1121–2

Asthma—expiratory dyspnoea? Morris MJ. **Br Med J [Clin Res]** 1981 Sep 26;283(6295):838–9

Thyrotoxicosis and dyspnoea. Ayres J, et al. **Clin Endocrinol (Oxf)** 1982 Jan;16(1):65–71

Thoracoabdominal mechanics in dyspnea. Todisco T. **Respiration** 1981;42(2):77–83

PSYCHOLOGY

Psychological approaches to breathlessness and its treatment. Rosser R, et al. **J Psychosom Res** 1981;25(5):439–47

[Psychodynamic aspects of dyspnoea attacks in childhood (author's transl)] Wurst F. **Padiatr Padol** 1982;17(2):429–36 (Eng. Abstr.) **(Ger)**

[Coughs and dyspnea of breath – symptoms too often wrongly diagnosed as functional (author's transl)] Bolognini G. **Praxis** 1981 Aug 11;70(33):1427–31 (Eng. Abstr.) **(Ger)**

DYSPNEA, PAROXYSMAL

DIAGNOSIS

[Sclerodermatomyositis, paroxystic dyspnea crisis, inferior vena cava ligation, shock (clinical conference)] **Medicina (B Aires)** 1981;41(3):360–8 **(Spa)**

DYSSOCIAL BEHAVIOR see **ANTISOCIAL PERSONALITY DISORDER**

DYSTHYMIC DISORDER see **DEPRESSIVE DISORDER**

DYSTOCIA

DIAGNOSIS

Assessment of dystocia pelvis by ultrasound pelvimetry. Nakano H. **Acta Obstet Gynaecol Jpn** 1981 Jul; 33(7):1077–84

ETIOLOGY

Relationship of shoe size and cephalopelvic disproportion [letter] Muncie HL Jr. **Am J Obstet Gynecol** 1982 Apr 1;142(7):931–2

OCCURRENCE

Shoulder dystocia: fifteen years' experience in a community hospital. Hopwood HG Jr. **Am J Obstet Gynecol** 1982 Sep 15;144(2):162–6

SURGERY

Decapitation and vaginal delivery for impacted transverse lie in late labour: reports of 4 cases. Marsden DE, et al. **Aust NZ J Obstet Gynaecol** 1982 Feb;22(1):46–9

VETERINARY

Experiences with the use of a uterine muscle relaxant preparation (Hanegif inj, ad us. vet.).. Horváth G, et al. **Acta Vet Acad Sci Hung** 1981;29(1):65–9

Uterine torsion with ovarian vein rupture in a ewe. Blanchard TL. **J Am Vet Med Assoc** 1981 Dec 15;179(12):1402–3

Calving ease and growth rate of Simmental-sired calves. III. Direct and maternal effects. Burfening PJ, et al. **J Anim Sci** 1981 Nov;53(5):1210–6

Variables associated with peripartum traits in dairy cows. VIII. Hormonal profiles associated with dystocia. Erb RE, et al. **J Anim Sci** 1981 Feb;52(2):346–58

Beef x beef and dairy x beef females mated to Angus and Charolais sires. I. Pregnancy rate, dystocia and birth weight. Nelson LA, et al. **J Anim Sci** 1982 Jun; 54(6):1138–49

Interrelationships between production and reproductive diseases in holstein cows. Path analysis. Erb HN, et al. **J Dairy Sci** 1981 Feb;64(2):282–9

Interrelationships between production and reproductive diseases in Holstein cows. Conditional relationships between production and disease. Erb HN, et al. **J Dairy Sci** 1981 Feb;64(2):272–81

Age of dam and maternal effects for dystocia in Holsteins. Thompson JR, et al. **J Dairy Sci** 1981 Jul;64(7):1603–9

A limited trial of Saffan in the dog. Bomzon L. **J Small Anim Pract** 1981 Dec;22(12):769–73

DYSTONIA

CHEMICALLY INDUCED

Dystonic reaction to amitriptyline [letter] Finder E, et al. **Am J Psychiatry** 1982 Sep;139(9):1220

Meige's syndrome during long-term dopaminergic therapy in Parkinson's disease. Weiner WJ, et al. **Arch Neurol** 1982 Jul;39(7):451–2

Pimozide: adverse reaction and prolonged half-life. Logan FA, et al. **Br J Psychiatry** 1982 Apr;140:433–4

Adverse neurologic effects of metoclopramide. Grimes JD, et al. **Can Med Assoc J** 1982 Jan 1;126(1):23–5

Neuroleptics, laryngeal-pharyngeal dystonia and acute renal failure.[letter] Ravi SD, et al. **J Clin Psychiatry** 1982 Jul; 43(7):300

Dystonic reactions to Dimotapp elixir. Lewith GT, et al. **J R Coll Gen Pract** 1981 Apr;31(225):241

Decongestant-induced blepharospasm and orofacial dystonia.

Powers JM. **JAMA** 1982 Jun 18;247(23):3244–5
Alcohol–triggered–neuroleptic–induced tremor, rigidity and dystonia [letter] Freed E. **Med J Aust** 1981 Jul 11;2(1):44–5
Toxic encounters of the dangerous kind: the not–always–tranquilizing phenothiazines. Mack RB. **NC Med J** 1982 Mar;43(3):222–3
Meige syndrome (blepharospasm–oromandibular dystonia) after long–term neuroleptic therapy. Weiner WJ, et al. **Neurology (NY)** 1981 Dec;31(12):1555–6
Haloperidol: neuroleptic malignant syndrome [letter] Town IG. **NZ Med J** 1982 Mar 24;95(704):199
Decorticate posture following 'cardiac cocktail': a transient complication of sedation for catheterization. Cohen GH, et al. **Pediatr Cardiol** 1982;2(3):251–3

COMPLICATIONS

Parkinson's disease with diphasic dyskinesia and early–morning dystonia [letter] Wakayama Y, et al. **Arch Neurol** 1982 Aug;39(8):531
Management of severe postpartum hemorrhage due to uterine atony using an analogue of prostaglandin F2 alpha. Hayashi RH, et al. **Obstet Gynecol** 1981 Oct;58(4):426–9
[A case with action induced dystonia–tremor complex (author's transl)] Sunohara N, et al. **Rinsho Shinkeigaku** 1981 Apr;21(4):311–20 (Eng. Abstr.) **(Jpn)**

DIAGNOSIS

Benign paroxysmal torticollis in infancy [letter] Casteels–Van Daele M. **Arch Dis Child** 1982 Aug;57(8):638
Progressive supra–nuclear palsy. Wagstaff J, et al. **Br J Clin Pract** 1981 May;35(5):200–2
Meige's syndrome: clinical, pharmacological and radiological observations. Chopra JS, et al. **Clin Neurol Neurosurg** 1981; 83(3):145–52
Acute dystonia secondary to illicit phenothiazine usage: a report of two cases. Stallworth HF. **J Ky Med Assoc** 1981 Feb;79(2):83–4

DRUG THERAPY

Effect of L–glutamine and isoniazid on torticollis and segmental dystonia. Korein J, et al. **Ann Neurol** 1981 Sep; 10(3):247–50
Lithium therapy in torsion dystonia. Marti–Masso JF, et al. **Ann Neurol** 1982 Jan;11(1):106–7
Lisuride in generalised dystonia and spasmodic torticollis [letter] Bassi S, et al. **Lancet** 1982 Feb 27;1(8270):514–5
Bromocriptine in dystonia [letter] Stahl SM, et al. **Lancet** 1981 Oct 3;2(8249):745
Bromocriptine, physostigmine, and neurotransmitter mechanisms in the dystonias. Stahl SM, et al. **Neurology (NY)** 1982 Aug;32(8):889–92

ENZYMOLOGY

Dopamine–beta–hydroxylase (DBH) in idiopathic torsion dystonia (ITD). Korczyn AD, et al. **J Neurol Sci** 1982 Jan;53(1):91–3

ETIOLOGY

[Clinico–pathogenetic interrelation of hypoxic–dystonic and allergic states] Primak FIa, et al. **Vrach Delo** 1981 Sep: (9):45–8 **(Rus)**

FAMILIAL & GENETIC

Human leukocyte anitgen in torticollis and other idiopathic dystonic syndromes. Korein J, et al. **Ann Neurol** 1981 Dec; 10(6):573–5

PATHOLOGY

A comparative scanning electron–microscopical study of endoneurial collagen around normal mouse nerve fibres, nerve fibres following crush injury and nerve fibres of the dystonic mouse mutant (dt/dt). Moss TH, et al. **Cell Tissue Res** 1981;220(4):881–7

PHYSIOPATHOLOGY

Writers' cramp–a focal dystonia. Sheehy MP, et al. **Brain** 1982 Sep;105 (Pt 3):461–80
Postural laterality in torticollis and torsion dystonia. Stejskal L, et al. **J Neurol Neurosurg Psychiatry** 1981 Nov; 44(11):1029–34
Spinal mechanisms of motor disturbances in torsion dystonia (an electromyographic analysis). Novikova VP. **Neurosci Behav Physiol** 1981 Jul–Aug;11(4):353–7

RADIOGRAPHY

Delayed–onset posthemiplegic dystonia: CT demonstration of basal ganglia pathology. Grimes JD, et al. **Neurology (NY)** 1982 Sep;32(9):1033–5

SURGERY

Hemi–dystonia due to focal basal ganglia lesion after head injury and improved by stereotaxic thalamotomy [letter] Andrew J, et al. **J Neurol Neurosurg Psychiatry** 1982 Mar; 45(3):276

THERAPY

Surgery for involuntary movements. Andrew J. **Br J Hosp Med** 1981 Nov;26(5):522, 524, 526–8

DYSTONIA MUSCULORUM DEFORMANS

DRUG THERAPY

Dystonia musculorum deformans: implications of therapeutic response to levodopa and carbamazepine. Garg BP. **Arch Neurol** 1982 Jun;39(6):376–7
Prolonged relief of dystonic movements with diazepam. Ziegler DK. **Neurology (NY)** 1981 Nov;31(11):1457–8

FAMILIAL & GENETIC

Inheritance of torsion dystonia in Jews [letter] Eldridge R. **Ann Neurol** 1981 Aug;10(2):203–5
Dystonia musculorum deformans with hyperuricaemia – study of a family. Mehta BC, et al. **Clin Neurol Neurosurg** 1982;84(1):29–36

METABOLISM

Amino acid changes in the mouse mutant dystonia musculorum similar to those in Friedreich's ataxia. Messer A. **Can J Neurol Sci** 1982 May;9(2):185–8
Increased noradrenergic metabolism in the cerebellum of the mouse mutant dystonia musculorum. Riker DK, et al. **J Neurochem** 1981 Sep;37(3):649–54

PHYSIOPATHOLOGY

Catechol–O–methyltransferase activity in cultured human skin fibroblasts from controls and patients with dystonia musculorum deformans. Breakefield XO, et al. **J Neurosci Res** 1981;6(3):349–60

DYSTROPHIA BREVICOLLIS CONGENITA see **KLIPPEL–FEIL SYNDROME**

DYSTROPHIA MYOTONICA see **MYOTONIA ATROPHICA**

DYSTROPHY, ADIPOSOGENITAL see **FROEHLICH'S SYNDROME**

E–B VIRUS see **EPSTEIN–BARR VIRUS**

EAR

Otologic aspects of ear burns. Baers HA. **Am J Otol** 1981 Jan;2(3):235–42
Evaluation of ear oximetry in the measurement of arterial oxygen saturation. Cable JA. **JAOA** 1981 Oct;81(2):107–12
[Ear–acupuncture and endocrine secretion] Spagnoletti T, et al. **Boll Soc Ital Biol Sper** 1982 Mar 15;58(5):197–9 (Eng. Abstr.) **(Ita)**

ABNORMALITIES

A previously unreported, dominantly inherited syndrome of shortness of stature, ear malformations, and hip dislocation: the coxoauricular syndrome––autosomal or X–linked male–lethal. Duca D, et al. **Am J Med Genet** 1981; 8(2):173–80
Mondini dysplasia [letter] Phelps PD, et al. **Ann Otol Rhinol Laryngol** 1982 Mar–Apr;91(2 Pt 1):254
Anomalies of the auditory organ in Potter's syndrome. Histopathological findings in the temporal bone. Saito R, et al. **Arch Otolaryngol** 1982 Aug;108(8):484–8
The ear deformities in mandibulofacial dysostosis (Treacher Collins syndrome). Phelps PD, et al. **Clin Otolaryngol** 1981 Feb;6(1):15–28
Coalescent mastoiditis in a case of congenital aural atresia. Close LG, et al. **Int J Pediatr Otorhinolaryngol** 1982 Mar; 4(1):69–76
Relationship of oculo–auriculo–vertebral dysplasia with mandibulofacial dysostosis. De PC, et al. **J Indian Med Assoc** 1981 Oct 16;77(8):136–7
Craniofacial anomalies: a perspective for the otolaryngologist. Caldarelli DD. **Otolaryngol Clin North Am** 1981 Nov;14(4):763–7
[Factors affecting the embryogenesis of the auditory organ] Pellant A. **Cesk Otolaryngol** 1981 Aug;30(4):196–200 (Eng. Abstr.) **(Cze)**
[Surgical reconstruction of the sound conduction mechanism in congenital atresia of the ear (author's transl)] Poncet E, et al. **Ann Otolaryngol Chir Cervicofac** 1981;98(6):247–9 (Eng. Abstr.) **(Fre)**
[The G syndrome: description of a case/and familial studies] Calandi C, et al. **Arch De Vecchi Anat Patol** 1980; 64(1):59–73 (25 ref.) **(Ita)**
[Poland's syndrome: presentation of two cases diagnosed during the neonatal period (author's transl)] Barboni G, et al. **Pediatr Med Chir** 1981 Nov–Dec;3(6):567–73 (Eng. Abstr.) **(Ita)**
[Congenital contractural aracnodactyly syndrome. Clinical study of two cases (author's transl)] Guarniere J, et al. **Pediatr Med Chir** 1981 Jul–Aug;3(4):331–5 (Eng. Abstr.) **(Ita)**

ANALYSIS

Otologic manifestations of aging. Anderson RG, et al. **Otolaryngol Clin North Am** 1982 May;15(2):353–70

ANATOMY & HISTOLOGY

Structure and function of the ear and auditory nervous system. Lawrence M. **Environ Health Perspect** 1982 Apr; 44:9–13

BLOOD SUPPLY

Sympathetic nerves exert a chronic influence on the intact vasculature that is age related. Rusterholz DB, et al. **Ann Neurol** 1982 Apr;11(4):365–71
Accumulation of isotope labelled platelets in small arteries after end–to–end and end–in–end anastomoses in the rabbit. Wieslander JB, et al. **Br J Plast Surg** 1982 Apr;35(2):158–62
A reliable method for repetitively bleeding rabbits from the central artery of the ear. Gordon LK. **J Immunol Methods** 1981;44(2):241–5

DRUG EFFECTS

Gentamicin–induced ototoxicity in a carefully monitored renal–failure patient. Crass RE. **Am J Hosp Pharm** 1981 Apr;38(4):540–5
Correction to erythromycin ototoxicity [letter] Errick JK, et al. **Drug Intell Clin Pharm** 1981 Feb;15(2):133
Is the rabbit ear model, in its present state, prophetic of acnegenicity? Frank SB. **J Am Acad Dermatol** 1982 Mar; 6(3):373–7
[Influence of hydrocortisone 17–butyrate 21–propionate on the visual and the auditory organs (author's transl)] Ohshima T, et al. **J Toxicol Sci** 1981 Jul;6 Suppl:141–58 (Eng. Abstr.) **(Jpn)**
[Ototoxicity of gentamicin and furosemide (author's transl)] Ziemski Z, et al. **Otolaryngol Pol** 1981;35(4–6):339–42 **(Pol)**

EMBRYOLOGY

Cellular contacts between hindbrain and prospective ear during inductive interaction in the axolotl embryo. Model PG, et al. **J Embryol Exp Morphol** 1981 Dec;66:27–41

INJURIES

Hearing loss and vertigo secondary to head injury. Healy GB. **N Engl J Med** 1982 Apr 29;306(17):1029–31 (8 ref.)
[Case of burn of the ear caused by lightning] Betkowski A, et al. **Wiad Lek** 1981 Aug 15;34(16):1401–4 (Eng. Abstr.) **(Pol)**

INNERVATION

Innervation of the auditory system. Bredberg G. **Scand Audiol [Suppl]** 1981;13:1–10

PATHOLOGY

Fragile bones and fragile ears. Bergstrom L. **Clin Orthop** 1981 Sep;(159):58–63

PHYSIOLOGY

Peripheral basis of sound localization in anurans. Acoustic properties of the frog's ear. Feng AS, et al. **Hear Res** 1981 Nov;5(2–3):201–16
Bioelectric activity in the rabbit ear regeneration. Chang KS, et al. **J Exp Zool** 1982 Jun 10;221(2):193–203

PHYSIOPATHOLOGY

Dichotic ear preference for C–V–C words in Wernicke's and Broca's aphasias. Crosson B, et al. **Cortex** 1981 Jul; 17(2):249–58

SURGERY

The surgical management of congenital pre–auricular sinus. Chapman P. **Int J Pediatr Otorhinolaryngol** 1982 Mar; 4(1):15–21
Reconstruction of the upper helix of the ear. Koranda FC, et al. **J Dermatol Surg Oncol** 1982 Jun;8(6):477–81
[Our experience with anesthesia under induced hypotension in microsurgery of the ear] Gersdorff M, et al. **Acta Otorhinolaryngol Belg** 1981;35(2):217–24 **(Fre)**
[Use of sodium nitroprusside in otological surgery (author's transl)] Fontanel JP, et al. **Ann Otolaryngol Chir Cervicofac** 1981;98(9):465–9 (Eng. Abstr.) **(Fre)**
[Chronic suppurative labyrinthitis following an extensive cavitary operation on the ear] Dobrotin Ve, et al. **Vestn Otorinolaringol** 1982 Mar–Apr;(2):73–4 **(Rus)**
[Staged combined anesthesia in ear operations on children] Grushevskaia OA, et al. **Vestn Otorinolaringol** 1981 Jul–Aug;(4):26–30 (Eng. Abstr.) **(Rus)**

EAR CANAL

see related
CERUMEN

Recurrent acquired atresia of the external auditory canal and associated canal cholesteatoma. Haberman RS 2d, et al. **Am J Otol** 1981 Jan;2(3):269–71
Intracranial ceruminous gland adenocarcinoma. Cilluffo JM, et al. **J Neurosurg** 1981 Dec;55(6):952–6
Osteomas and exostoses of the external auditory canal – medical and surgical management. Kemink JL, et al. **J Otolaryngol** 1982 Apr;11(2):101–6
A hair in the ear canal as a cause of noise [letter] Goldman

G, et al. **N Engl J Med** 1982 Jun 24;306(25):1553

Sebaceous cell carcinoma of the external auditory canal. Doble HP 2d, et al. **Otolaryngol Head Neck Surg** 1981 Jul–Aug;89(4):685–8

Tumours of the external auditory canal and the auditory sebaceous glands in Han: WIST rats. Short communication. Deerberg F, et al. **Z Versuchstierkd** 1981;23(2):134–7

[Hearing loss caused by cleaning the external ear canal with a metal suction tube (author's transl)] Katzke D. **HNO** 1982 Mar;30(3):113 **(Ger)**

[Hemorrhage through the external auditory canal caused by mandibular osteomyelitis] Kuneevskiĭ VA, et al. **Vestn Otorinolaringol** 1981 Sep–Oct;(5):76–7 **(Rus)**

ANATOMY & HISTOLOGY

An evaluation of tympanometric estimates of ear canal volume. Shanks JE, et al. **J Speech Hear Res** 1981 Dec; 24(4):557–66

INJURIES

Posterior dislocation of the mandibular condyle into the external ear canal. Akers JO, et al. **J Oral Maxillofac Surg** 1982 Jun;40(6):369–70

MICROBIOLOGY

Bacteria in the middle ear and ear canal of patients with secretory otitis media and with non-inflamed ears. Sipilä P, et al. **Acta Otolaryngol (Stockh)** 1981 Jul–Aug; 92(1–2):123–30

Bacterial flora of the external canal in diabetics and non-diabetics. Salit IE, et al. **Laryngoscope** 1982 Jun;92(6 Pt 1):672–3

PATHOLOGY

Correlation of postoperative ear canal volumes with obliteration material and with volume of operation cavity. Ojala K, et al. **Arch Otorhinolaryngol** 1982;234(1):37–43

PHYSIOLOGY

Management of ear-canal collapse. Marshall L, et al. **Arch Otolaryngol** 1982 Jun;108(6):357–61

Effects of ear canal pressure on threshold and growth of the acoustic reflex. Ruth RA, et al. **Ear Hear** 1982 Jan–Feb; 3(1):39–41

Stimulated acoustic emissions in the ear canal of the gerbil. Schmiedt RA, et al. **Hear Res** 1981 Nov;5(2–3):295–305

Pure-tone sensitivity and ear canal pressure at threshold in children and adults. Yoneshige Y, et al. **J Acoust Soc Am** 1981 Nov;70(5):1272–6

PHYSIOPATHOLOGY

[Noninvasive electric hearing stimulation in the deaf] Hrubý J. **Cesk Otolaryngol** 1982 Jan;31(1):10–2 (Eng. Abstr.) **(Cze)**

SURGERY

Late changes in ear canal volumes after mastoid obliteration. Ojala K, et al. **Arch Otolaryngol** 1982 Apr;108(4):208–9

The use of Proplast in reconstruction of the posterior meatal wall. Johns AN. **J Laryngol Otol** 1981 Sep;95(9):899–904

Posterior meatal wall reconstruction in tympanoplasty. Vase P, et al. **J Laryngol Otol** 1981 Sep;95(9):893–8

Homograft septal cartilage for attic support in intact canal wall tympanomastoidectomy and tympanoplasty. Pappas JJ, et al. **Laryngoscope** 1981 Sep;91(9 Pt 1):1457–62

[Bone channel boring in middle ear surgery (author's transl)] Fleury P, et al. **Ann Otolaryngol Chir Cervicofac** 1982; 99(4–5):213–8 **(Fre)**

[Reconstruction of the external ear canal with a graft from the iliac crest] Barceló Gomila F, et al. **An Otorrinolaringol Ibero Am** 1981;8(3):237–43 (Eng. Abstr.) **(Spa)**

[Reconstructive surgery of the external auditory canal with proplast] Olaizola F, et al. **Rev Laryngol Otol Rhinol (Bord)** 1981 Sep–Oct; 102(9–10):393–9 (Eng. Abstr.) **(Spa)**

ULTRASTRUCTURE

Osteomas and exostoses of the external auditory canal – medical and surgical management. Kemink JL, et al. **J Otolaryngol** 1982 Apr;11(2):101–6

EAR CARTILAGES see under **EAR, EXTERNAL**

EAR DEFORMITIES, ACQUIRED

COMPLICATIONS

A slowly progressive degenerative condition characterized by mental deficiency, wasting of limb musculature and bone abnormalities, including ossification of the pinnae. Primrose DA. **J Ment Defic Res** 1982 Jun;26 (Pt2):101–6

ETIOLOGY

Recurrent acquired atresia of the external auditory canal and associated canal cholesteatoma. Haberman RS 2d, et al. **Am J Otol** 1981 Jan;2(3):269–71

[Minor esthetic failures in otoplasty for lop ears] Bermúdez Polonio R. **An Otorrinolaringol Ibero Am** 1982;9(1):5–40 (Eng. Abstr.) **(Spa)**

SURGERY

The use of the secondary island graft–flap in reconstruction of the burned ear. Erol OO, et al. **Br J Plast Surg** 1981 Oct;34(4):417–21

A simple method for correction of the pixie earlobe. Rich JD, et al. **Plast Reconstr Surg** 1982 Jan;69(1):136–8

[Medio–auricular reconstruction with a helico–lobular flap] Soussaline M, et al. **Ann Chir Plast** 1981;26(3):280–1 (Eng. Abstr.) **(Fre)**

EAR DISEASES

see related
OTORHINOLARYNGOLOGIC DISEASES

Doctors' discussion. **Am J Otol** 1982 Jan;3(3):290–2

CHEMICALLY INDUCED

Pathogenesis and detection of aminoglycoside ototoxicity. Keene M, et al. **J Otolaryngol** 1981 Jun;10(3):228–36 (49 ref.)

Contact dermatitis of the ear [letter] Sellars SL, et al. **S Afr Med J** 1982 Jul 31;62(6):153

[Electrophysiological study of the ototoxicity of kanamycin via transplacental transmission in the guinea pig (author's transl)] Dumas G, et al. **Ann Otolaryngol Chir Cervicofac** 1982;99(3):67–75 (Eng. Abstr.) **(Fre)**

[Cisplatin ototoxicity (author's transl)] Peytral C, et al. **Ann Otolaryngol Chir Cervicofac** 1981;98(3):85–8 (Eng. Abstr.) **(Fre)**

COMPLICATIONS

Hemifacial spasm caused by cholesteatoma. Davis WE, et al. **Am J Otol** 1981 Jan;2(3):272–3

Recurrent acquired atresia of the external auditory canal and associated canal cholesteatoma. Haberman RS 2d, et al. **Am J Otol** 1981 Jan;2(3):269–71

Ear dermatitis, lactose intolerance, and eczema [letter] Kirschenbaum MB. **Arch Dermatol** 1981 Sep;117(9):523

Current concepts of the etiology, diagnosis, and management of cleft palate related otopathologic disease. Rood SR, et al. **Otolaryngol Clin North Am** 1981 Nov;14(4):865–84

[Stage IV zona of the ear] Paiva A, et al. **Rev Laryngol Otol Rhinol (Bord)** 1982;103(1):65–7 (Eng. Abstr.) **(Fre)**

[Dizziness from an otological viewpoint] Hülse M. **ZFA (Stuttgart)** 1982 Mar 31;58(9):498–502 **(Ger)**

[Experimental aural cholesteatoma causing bone resorption (author's transl)] Shirahata Y, et al. **Nippon Jibiinkoka Gakkai Kaiho** 1981 Nov;84(11):1451–9 (Eng. Abstr.) **(Jpn)**

[Tinnitus as the first symptom of auricular disorders] Cernei VL, et al. **Rev Chir [Otorinolaringol]** 1982 Jan–Mar; 27(1):69–74 (Eng. Abstr.) **(Rum)**

CONGENITAL

[On the problem of the congenital (?) cholesteatoma of the petrous bone (author's transl)] Escher F, et al. **HNO** 1982 Jan;30(1):25–9 (Eng. Abstr.) **(Ger)**

[Management of the infected fistula auris congenita – irrigation of dyes into the fistula and its complete excision under surgical microscope (author's transl)] Sekitani T, et al. **Nippon Jibiinkoka Gakkai Kaiho** 1981 Dec 20; 84(12):1529–35 (Eng. Abstr.) **(Jpn)**

[Twenty-seven cases of congenital aural fistulas (author's transl)] Watanuki K, et al. **Nippon Jibiinkoka Gakkai Kaiho** 1982 Jan 20;85(1):1–10 (Eng. Abstr.) **(Jpn)**

DIAGNOSIS

A needle otoscope. An instrument of endotoscopy of the middle ear. Nomura Y. **Acta Otolaryngol (Stockh)** 1982 Jan–Feb;93(1–2):73–9

Difference limen for intensity in patients with sudden deafness and other inner ear disorders. Schorn K. **Adv Otorhinolaryngol** 1981;27:100–9

Seroma of the auricle. Lapins NA, et al. **Arch Dermatol** 1982 Jul;118(7):503–5

Practical procedures. Examination of the ear. Gray G. **Aust Fam Physician** 1981 Oct;10(10):812–6

ENT [letter] Keene M. **Br Med J [Clin Res]** 1982 Jun 26; 284(6333):1951–2

Sarcoidosis of the ear. Nova S. **Ear Nose Throat J** 1981 Sep; 60(9):387–8

Exploratory tympanotomy revisited. Paparella MM, et al. **Laryngoscope** 1982 May;92(5):531–4

Otologic manifestations of aging. Anderson RG, et al. **Otolaryngol Clin North Am** 1982 May;15(2):353–70

Otologic care in a school for the deaf. Stool SE, et al. **Otolaryngol Head Neck Surg** 1981 Jul–Aug;89(4):651–7

Ear, nose and throat examination in general practice. O'Connor F. **Practitioner** 1981 Nov;225(1361):1546–52

The diagnosis of head and neck pain. May M, et al. **Trans Pa Acad Ophthalmol Otolaryngol** 1982 Spring; 35(1):36–42

[Ear lobe granulomas] Swensson-Beck H, et al. **Hautarzt** 1982 Feb;33(2):115–6 **(Ger)**

[Tuberculosis of the middle ear] Heumann H. **HNO** 1982 Jan;30(1):43 **(Ger)**

[Microbiological diagnosis of upper respiratory tract, ear and eye infections] **Zentral Bakteriol Mikrobiol Hyg [A]** 1981; 250(1–2):9–24 **(Ger)**

ETIOLOGY

Atelectasis, retraction pockets and cholesteatoma. Sadé J, et al. **Acta Otolaryngol (Stockh)** 1981 Nov–Dec; 92(5–6):501–12

Post-operative cholesteatomas and retraction pockets after obliterative surgery in ears without cholesteatoma. Ojala K, et al. **J Laryngol Otol** 1982 May;96(5):411–6

Otological manifestations of Wegener's granulomatosis. Illum P, et al. **Laryngoscope** 1982 Jul;92(7 Pt 1):801–4

Ear disease in patients with Wegener's granulomatosis. Kornblut AD, et al. **Laryngoscope** 1982 Jul;92(7 Pt 1):713–7

The interaction between dentistry and otolaryngology. Nazif MM, et al. **Pediatr Clin North Am** 1981 Nov;28(4):997–1010

Otalgia: identifying the source. Clark JL. **Postgrad Med** 1981 Oct;70(4):99–103

[Severe forms of cholesteatomatous chronic otitis (author's transl)] Fleury P, et al. **Ann Otolaryngol Chir Cervicofac** 1982;99(4–5):175–86 (Eng. Abstr.) **(Fre)**

[Chronic otorrheas] Mélon J. **Rev Med Liege** 1982 May 1; 37(9):341–5 **(Fre)**

[Arterial aneurysms of the petrous portion of the carotid artery] Lazarev VA, et al. **Zh Vopr Neirokhir** 1982 Mar–Apr;(2):9–12 (Eng. Abstr.) **(Rus)**

OCCURRENCE

[Prevalence of chronic upper respiratory tract and ear diseases among the adult and adolescent populations living in Moscow] Kuznetsov VS, et al. **Vestn Otorinolaringol** 1982 Mar–Apr;(2):55–9 (Eng. Abstr.) **(Rus)**

PARASITOLOGY

Ear myiasis. Case report. Varledzides E, et al. **Panminerva Med** 1981 Jan–Mar;23(1):43–6

PATHOLOGY

Cholesteatoma. Experimental induction in the Mongolian Gerbil, Meriones Unguiculaus. McGinn MD, et al. **Acta Otolaryngol (Stockh)** 1982 Jan–Feb;93(1–2):61–7

Cholesteatoma: spontaneous occurrence in the Mongolian gerbil Meriones unguiculatis. Chole RA, et al. **Am J Otol** 1981 Jan;2(3):204–10

Cholesterol in cholesteatoma and in the otitis media syndrome. Sadé J, et al. **Am J Otol** 1982 Jan;3(3):203–8

An ultrastructural study of the calcification process in tympanosclerotic tissues. Bertossi M, et al. **J Submicrosc Cytol** 1981 Apr;13(2):283–9

[Cholesteatoma, oto- and tympanosclerosis: their general mechanism of tissue destruction (author's transl)] Mann W, et al. **Laryngol Rhinol Otol (Stuttg)** 1981 Aug;60(8):426–30 (Eng. Abstr.) **(Ger)**

[Cholesteatoma of the ear spreading into the area of the mastoid process, temporal and occipital squama and penetrating into the posterior cranial fossa] Gavrilin VK. **Vestn Otorinolaringol** 1982 Mar–Apr;(2):62–3 **(Rus)**

PHYSIOPATHOLOGY

Intratympanic gas–pressure in cases of SOM and atelectasis. Cohen–Boulakia J, et al. **Acta Otolaryngol (Stockh)** 1981 Jul–Aug;92(1–2):41–50

[Enhanced variability of the thermal test with patients with vestibular disease (author's transl)] Reker U. **HNO** 1982 Jan;30(1):30–3 (Eng. Abstr.) **(Ger)**

PREVENTION & CONTROL

The anterior tympanomeatal angle: the aetiology, surgery and avoidance of blunting and annular cholesteatoma. Plester D, et al. **Clin Otolaryngol** 1981 Oct;6(5):323–8

RADIOGRAPHY

Possibilities of high resolution CT scanning in ear and sinus pathology. Clement PA, et al. **ORL J Otorhinolaryngol Relat Spec** 1982;44(3):126–33

[Maxillo–temporal panoramic tomography for diagnostic screening test of ear and nose diseases (author's transl)] Shinkawa A, et al. **Nippon Jibiinkoka Gakkai Kaiho** 1981 May;84(5):531–40 (Eng. Abstr.) **(Jpn)**

SURGERY

The patulous Eustachian tube and chronic middle ear disease. Virtanen H, et al. **Acta Otolaryngol (Stockh)** 1982 Jan–Feb; 93(1–2):49–53

Abnormalities, congenital anomalies and unusual anatomic variations of the endolymphatic sac and vestibular aqueduct: clinical, surgical, and radiographic correlations. Group I abnormalities. Arenberg IK. **Am J Otol** 1981 Jan; 2(3):248–68

Cholesteatoma surgery at the otologic medical group: residual and recurrent disease. A report on 307 revision operations. Sheehy JL, et al. **Am J Otol** 1982 Jan; 3(3):209–15

Late results of obliterative cholesteatoma surgery. Ojala K, et al. **Arch Otolaryngol** 1982 Jan;108(1):1–3

Tomography and xerotomography after reconstructive middle ear surgery for cholesteatoma. Brünner S, et al. **Eur J Radiol** 1982 May;2(2):102–4

When not to do middle-ear surgery. Plester D. **J Laryngol Otol** 1982 Jul;96(7):585–90

Treatment of retraction pockets and cholesteatoma. Sadé J. **J Laryngol Otol** 1982 Aug;96(8):685–704

A ten year statistical follow-up of 1142 consecutive cases of cholesteatoma: the closed vs. the open technique. Brown JS. **Laryngoscope** 1982 Apr;92(4):390–6

Cholesteatoma in children. Glasscock ME 3d, et al. **Laryngoscope** 1981 Oct;91(10):1743–53

'How I do it' — otology and neurotology. A specific issue and its solution. Practical suggestions on the surgical management of the cholesteatomatous ear. Smyth GD. **Laryngoscope** 1982 Apr;92(4):456–7

[Treatment of cholesteatoma using the method recommended by P. Kluyskens and Gillis. 3 cases with labyrinthine fistulas] Hennebert PE. **Acta Otorhinolaryngol Belg** 1981; 35(3–4):262–4 **(Fre)**

[Surgical treatment of middle ear cholesteatoma. Open versus closed technique (author's transl)] Strauss P. **Laryngol Rhinol Otol (Stuttg)** 1982 Jan;61(1):20–5 (Eng. Abstr.) **(Ger)**

[The use of tympano-ossicular homografts in tympanoplastic surgery] Vasile C. **Rev Chir [Otorinolaringol]** 1981 Jul–Sep; 26(3):189–97 (Eng. Abstr.) **(Rum)**

THERAPY

Treatment of hearing loss, ear pain, and tinnitus in older patients. Turner JS Jr. **Geriatrics** 1982 Aug;37(8):107–11, 116, 118

Iontophoresis in the treatment of ear chondritis [clinical conference] Legge JW. **S Afr J Surg** 1982 Mar;20(1):39

Remediable eustachian tube dysfunction in diving recruits: assessment, investigation, and management. McNicoll WD. **Undersea Biomed Res** 1982 Mar;9(1):37–43

[A clinical and experimental study on precious metal ventilation tubes (author's transl)] Heumann H, et al. **Laryngol Rhinol Otol (Stuttg)** 1982 Jan;61(1):17–9 (Eng. Abstr.) **(Ger)**

[The influence of transtympanal gas insufflation on the tympanogram. Studies in cases of retracted or adhesive tympanic membranes and in middle ear models (author's transl)] Koch U, et al. **Laryngol Rhinol Otol (Stuttg)** 1981 Aug;60(8):414–7 (Eng. Abstr.) **(Ger)**

[Preliminary considerations on changes in pigmentation, structure and vascularization of the outer ear in relation to chronic organic or functional disease] Romoli M, et al. **Minerva Med** 1982 Mar 31;73(13):725–30 (Eng. Abstr.) **(Ita)**

VETERINARY

Gross and microscopic lesions of middle and inner ear infections in swine. Olson LD. **Am J Vet Res** 1981 Aug; 42(8):1433–40

Cyanoacrylate adhesive for aural hematoma. Leftwich MW, et al. **VM SAC** 1981 Aug;76(8):1155

EAR, EXTERNAL

Otologic aspects of ear burns. Baers HA. **Am J Otol** 1981 Jan;2(3):235–42

Treatment of acute otohematoma with compression sutures. Savage R, et al. **Ann Emerg Med** 1981 Dec;10(12):641–2

Auricular malignant neoplasms. When is chemotherapy (Mohs' technique) necessary? Bumsted RM, et al. **Arch Otolaryngol** 1981 Nov;107(11):721–4

Type II collagen-induced auricular chondritis. McCune WJ, et al. **Arthritis Rheum** 1982 Mar;25(3):266–73

Predictive value of the ear-crease sign in coronary artery disease. Pasternac A, et al. **Can Med Assoc J** 1982 Mar 15;126(6):645–9

Reconstruction of the external ear. Song R, et al. **Clin Plast Surg** 1982 Jan;9(1):49–52

Megavoltage electron beam therapy in the treatment of basal and squamous cell carcinomata of the pinna. Hunter RD, et al. **Clin Radiol** 1982 May 3;33(3):341–5

Postauricular fetal rhabdomyoma: light and electron microscopic study. Simha M, et al. **Hum Pathol** 1982 Jul; 13(7):673–6

Metal sensitivity or the case of the oozing earlobes. Guin JD. **J Indiana State Med Assoc** 1982 Jan;75(1):37

A new malformation syndrome of long palpebral fissures, large ears, depressed nasal tip, and skeletal anomalies associated with postnatal dwarfism and mental retardation. Kuroki Y, et al. **J Pediatr** 1981 Oct;99(4):570–3

Hairy ears [letter] Woods DL, et al. **Pediatrics** 1982 Aug; 70(2):320

Magnetic prostheses: an alternative fixation and orientation method. Swartz BE, et al. **Plast Reconstr Surg** 1982 May; 69(5):755–9

Dosimetry of auricular keloid irradiation. Fitzgerald RH Jr, et al. **Radiology** 1982 Aug;144(3):651–2

[Primary carcinoma of the external and middle ear (author's transl)] Alvares Cruz N, et al. **Ann Otolaryngol Chir Cervicofac** 1981;98(12):613–9 (Eng. Abstr.) **(Fre)**

[Pseudopyogenic granuloma of the ear. Report of case and comments] Colomb D, et al. **Dermatologica** 1981; 163(1):94–104 (Eng. Abstr.) **(Fre)**

[Perichondritis of the ear auricle after acupuncture (author's transl)] Trautermann HG, et al. **HNO** 1981 Sep;29(9):312–3 **(Ger)**

[A case of atypical malignant melanoma (pseudobotriomycomatosis) of the ear lobe treated with cryosurgery] Olariu B, et al. **Rev Chir [Otorinolaringol]** 1982 Jan–Mar;27(1):41–52 (Eng. Abstr.) **(Rum)**

[Calcification of auricular cartilage] Obradović Z, et al. **Med Pregl** 1981;34(1–2):59–60 (Eng. Abstr.) **(Scr)**

[Vestibular lesions in herpes zoster oticus] Rišavi A, et al. **Vojnosanit Pregl** 1981 Nov–Dec;38(6):453–6 **(Scr)**

[Lymphadenosis benigna cutis of the ear lobe] Odehnal F, et al. **Cesk Otolaryngol** 1981;30(6):366–72 (Eng. Abstr.) **(Slo)**

ABNORMALITIES

Megalopinna in naevus uniuslateris: a case report. Mahakrishnan A. **Acta Derm Venereol (Stockh)** 1981; 61(4):365–7

Correction of protruding ears in combination with reduction surgery of hyperplastic auricles. Wegener HE. **Aesthetic Plast Surg** 1981;5(1):57–62

Reconstruction of the auricle in microtia by bipedicled postauricular tubed flap. Sarig A, et al. **Ann Plast Surg** 1982 Mar;8(3):221–3

The surgical treatment of microtia: a long-term review of 17 patients. Fraser AG, et al. **Br J Plast Surg** 1982 Apr; 35(2):185–94

The superficial temporal artery island flap in ear reconstruction. Furukawa M, et al. **Br J Plast Surg** 1982 Apr;35(2):183–4

Non-surgical correction of a congenital lop ear deformity by splinting with Reston foam. Kurozumi N, et al. **Br J Plast Surg** 1982 Apr;35(2):181–2

Surgical repair of the congenital ear lobe cleft. Matsumoto K. **Br J Plast Surg** 1981 Oct;34(4):410–3

Diagonal earlobe crease in newborn infants and in children. Merlob P, et al. **Clin Pediatr (Phila)** 1981 Nov; 20(11):739–40

Congenital pre-auricular sinus. A study of 31 cases seen over a ten year period. Emery PJ, et al. **Int J Pediatr Otorhinolaryngol** 1981 Sep;3(3):205–12

Aplasia cutis congenita associated with ectopia of the external ear. Brooks S. **J Laryngol Otol** 1981 Oct;95(10):1059–61

Prominent ears and their surgical correction. Rhys Evans PH. **J Laryngol Otol** 1981 Sep;95(9):9881–92

Niikawa-Kuroki syndrome: a new malformation syndrome of postnatal dwarfism, mental retardation, unusual face, and protruding ears. Koutras A, et al. **J Pediatr** 1982 Sep; 101(3):417–9

Kabuki make-up syndrome: a syndrome of mental retardation, unusual facies, large and protruding ears, and postnatal growth deficiency. Niikawa N, et al. **J Pediatr** 1981 Oct;99(4):565–9

Syndrome of imperforate anus, abnormalities of hands and feet, satyr ears, and sensorineural deafness. Walpole IR, et al. **J Pediatr** 1982 Feb;100(2):250–2

Polytomography and congenital external and middle ear anomalies. Wright JW Jr. **Laryngoscope** 1981 Nov; 91(11):1806–11

Classification and multidisciplinary management of microtia. Hutchinson JC Jr, et al. **Otolaryngol Clin North Am** 1981 Nov;14(4):885–93

Facio-auriculo-vertebral anomalad and pulmonary artery sling. A hitherto undescribed but probably non-casual association. Gallo P, et al. **Pathol Res Pract** 1981 Dec; 173(1–2):172–9

Hypertrichosis pinnae in babies of diabetic mothers [letter] Rafaat M. **Pediatrics** 1981 Nov;68(5):745–6

Intrinsic auricular muscles and auricular form. Zerin M, et al. **Pediatrics** 1982 Jan;69(1):91–3

[Our experience with the surgery of the auricle I. the surgery of small deformities (author's transl)] Weerda H. **Laryngol Rhinol Otol (Stuttg)** 1982 Jul;61(7):346–9 (Ger)

[Our experience with the surgery of the auricle II. Surgery of the macrotia and the cup ear (author's transl)] Weerda H. **Laryngol Rhinol Otol (Stuttg)** 1982 Jul;61(7):350–3 (Ger)

[Tested corrective plastic surgery for protruding ears] Brandt RH, et al. **Z Arztl Fortbild (Jena)** 1981 Sep 15;75(18):861–3 (Ger)

[Congenital ossicular malformation with slight anomalies of the external ear (author's transl)] Funasaka S, et al. **Nippon Jibiinkoka Gakkai Kaiho** 1981 Feb;84(2):179–85 (Eng. Abstr.) **(Jpn)**

BLOOD SUPPLY

Morphology of irradiated microvasculature: a combined in vivo and electron-microscopic study. Narayan K, et al. **Am J Pathol** 1982 Jan;106(1):47–62

Parabiosed rabbit ears: an innovation for experimental subcutaneous implantation. Grimes LN. **Anat Rec** 1982 Feb; 202(2):297–303

Regional differences in the density of perivascular nerves and varicosities, noradrenaline content and responses to nerve stimulation in the rabbit ear artery. Griffith SG, et al. **Blood Vessels** 1982;19(1):41–52

Increased adhesiveness of granulocytes in rabbit ear-chamber blood vessels perfused with neuraminidase. Görög P, et al. **Microvasc Res** 1982 May;23(3):380–4

[The application of pH, pCO2 pO2 estimation of the 'arterialized ear-lobe blood' (author's transl)] Cai RS. **Chung Hua Nei Ko Tsa Chih** 1981 Nov,20(11):664–6 **(Chi)**

[Mineworker's dyspnea. 2. Evaluation of blood gas analysis using arterialized blood from the earlobe] Serra P, et al. **Rev Inst Hyg Mines (Hasselt)** 1981;36(1):32–50 (Eng. Abstr.) **(Dut, Fre)**

[Infusion-transfusion therapy of the microcirculatory disorders and blood rheology in experimental hemorrhagic shock] Matvienko VP, et al. **Probl Gematol Pereliv Krovi** 1982 Jun;27(6):32–9 (Eng. Abstr.) **(Rus)**

IMMUNOLOGY

Otologic allergy. Derlacki EL. **Am J Otol** 1982 Apr; 3(4):379–83

INJURIES

The traumatized auricle—care, salvage, and reconstruction. Lacher AB, et al. **Otolaryngol Clin North Am** 1982 Feb; 15(1):225–39

[Case of burn of the ear caused by lightning] Bętkowski A, et al. **Wiad Lek** 1981 Aug 15;34(16):1401–4 (Eng. Abstr.) **(Pol)**

INNERVATION

Control of pinna movements and sensorimotor register in cat superior colliculus. Stein BE, et al. **Brain Behav Evol** 1981;19(3–4):180–92

Afferent sources of a lateral midbrain tegmental zone associated with the pinnae in the cat as mapped by retrograde transport of horseradish peroxidase. Henkel CK. **J Comp Neurol** 1981 Dec 1;203(2):213–26

MICROBIOLOGY

Effect of diving and diving hoods on the bacterial flora of the external ear canal and skin. Brook I, et al. **J Clin Microbiol** 1982 May;15(5):855–9

PATHOLOGY

Scarring of the concha as a sign of lupus erythematosus [letter] Rebora A. **Br J Dermatol** 1982 Jan;106(1):122

Elephantiasis nostras verrucosa of the ears. Grant JM. **Cutis** 1982 May;29(5):441–4

Elastotic nodules of the ear. Weedon D. **J Cutan Pathol** 1981 Dec;8(6):429–33

[Preliminary considerations on changes in pigmentation, structure and vascularization of the outer ear in relation to chronic organic or functional disease] Romoli M, et al. **Minerva Med** 1982 Mar 31;73(13):725–30 (Eng. Abstr.) **(Ita)**

SURGERY

Replanting the severed auricle. An update. Bernstein L, et al. **Arch Otolaryngol** 1982 Sep;108(9):587–90

Auricular malignant neoplasms. Identification of high-risk lesions and selection of method of reconstruction. Bumsted RM, et al. **Arch Otolaryngol** 1982 Apr;108(4):225–31

Single stage total ear reconstruction without using auricular skin. Sun YL, et al. **Chin Med J [Engl]** 1982 Mar; 95(3):167–70

A personal approach to total auricular construction: case study. Brent B. **Clin Plast Surg** 1981 Apr;8(2):211–21

Repair of split earlobes. A review and a new technique. Harahap M. **J Dermatol Surg Oncol** 1982 Mar;8(3):187–91

Composite grafts from earlobes for reconstruction of defects in noses. Lipman SH, et al. **J Dermatol Surg Oncol** 1982 Feb;8(2):135–7

'How I do it'—otology and neurotology. A specific issue and its solution. Meatoplasty. Donaldson JA, et al. **Laryngoscope** 1981 Oct;91(10):1757–8

'How I do it'—otology and neurotology. A specific issue and its solution. A postauricular muscle-skin flap for conchal defects. Koopmann CF Jr, et al. **Laryngoscope** 1982 May;92(5):596–8

'How I do it' – plastic surgery. Practical suggestions on facial plastic surgery. Correction of the mildly constricted ear. Templer J, et al. **Laryngoscope** 1982 Mar;92(3):339

Reconstructive surgery of the external ear. Tenta LT, et al. **Otolaryngol Clin North Am** 1981 Nov;14(4):917–38

Neurofibroma of the ear: function and aesthetics. Trevisani TP, et al. **Plast Reconstr Surg** 1982 Aug;70(2):217–9

[Implantation of superficial temporal vessels into a tube flap on the neck: a new method to transfer long-thin tube for ear reconstruction (author's transl)] Shen ZY. **Chung Hua Wai Ko Tsa Chih** 1981 Dec;19(12):743–5 (Eng. Abstr.) **(Chi)**

[Modified Stenström procedure in the treatment of prominent ears. Apropos of 250 cases] Decaillet JM, et al. **Ann Chir Plast** 1981;26(3):282–5 (Eng. Abstr.) **(Fre)**

[Reimplantation for major loss of substance in the external ear. Apropos of 2 cases] Tarabey F. **Ann Chir Plast** 1981; 26(4):380–2 (Eng. Abstr.) **(Fre)**

[Reflections concerning the reconstruction of the pinna of the ear (author's transl)] Senechal G, et al. **Ann Otolaryngol Chir Cervicofac** 1981;98(7–8):367–70 (Eng. Abstr.) **(Fre)**

[Noise exposure of the ear during surgery (author's transl)] Moser LM, et al. **HNO** 1982 Jun;30(6):232–33 (Eng. Abstr.) **(Ger)**

[Covering of skin by local flaps in the auricular region (author's transl)] Jacobs KF.
Laryngol Rhinol Otol (Stuttg) 1981 Nov;60(11):559–63 **(Ger)**

[Management of the infected fistula auris congenita – irrigation of dyes into the fistula and its complete excision under surgical microscope (author's transl)] Sekitani T, et al. **Nippon Jibiinkoka Gakkai Kaiho** 1981 Dec 20; 84(12):1529–35 (Eng. Abstr.) **(Jpn)**

[Reconstruction of the external ear] Balenović D.
Med Pregl 1981;34(3–4):167–70 **(Scr)**

[Minor esthetic failures in otoplasty for lop ears] Bermúdez Polonio R. **An Otorrinolaringol Ibero Am** 1982;9(1):5–40 (Eng. Abstr.) **(Spa)**

TRANSPLANTATION

Obtaining auricular cartilage for reconstructive surgery. Baylis HI, et al. **Am J Ophthalmol** 1982 Jun;93(6):709–12

A new method for total reconstruction of the nose: the ears as donor areas. Orticochea M. **Clin Plast Surg** 1981 Jul; 8(3):481–505

Endaural brain hernia: repair using conchal cartilage. Jahn AF. **J Otolaryngol** 1981 Dec;10(6):471–5

Use of auricular cartilage in orbital floor reconstruction. Constantian MB. **Plast Reconstr Surg** 1982 Jun;69(6):951–5

[The shaping of the nipple with a cartilage graft from the concha of the auricle in mammary reconstruction (author's transl)] Soussaline M. **Ann Chir Plast** 1982;27(1):64–5 **(Fre)**

[The usefulness of nasal septum cartilage and auricular cartilage for laryngeal reconstruction (author's transl)] Makowski A, et al. **Otolaryngol Pol** 1982;36(1):37–42 (Eng. Abstr.) **(Pol)**

[Composite graft of skin and ear cartilage in the treatment of tracheal stenosis. Apropos of a case] Kalume RS, et al. **AMB** 1981 Nov;27(11):326–8 (Eng. Abstr.) **(Por)**

[Chondrokeratoplasty in vascularized burn leukomas] Gundorova RA, et al. **Vestn Oftalmol** 1982 May–Jun; (3):22–5 (Eng. Abstr.) **(Rus)**

ULTRASTRUCTURE

Light and electron microscopic study of ear cartilage in a case of relapsing polychondritis evolving under corticoid treatment. Linck G, et al. **Virchows Arch [Pathol Anat]** 1981;391(3):301–8

[Matrix vesicles in various 'elastic' organs] Nikolov S, et al. **Acta Anat (Basel)** 1981;110(4):345–58 (Eng. Abstr.) **(Ger)**

EAR, INTERNAL see **LABYRINTH**

EAR, MIDDLE

see related

ACOUSTIC IMPEDANCE TESTS

Diagnostic oncology case study. Kagan AR, et al. **AJR** 1982 May;138(5):943–4

Primary adenomatous neoplasms of the middle ear: light and electron microscopic features of a group distinct from the ceruminomas. Riches WG, et al. **Am J Clin Pathol** 1982 Feb;77(2):153–61 (32 ref.)

Hemifacial spasm caused by cholesteatoma. Davis WE, et al. **Am J Otol** 1981 Jan;2(3):272–3

Volume measurement of middle ear and mastoid air cell system with impedance audiometry on patients with eardrum perforations. Lindeman P, et al. **Am J Otol** 1982 Jul;4(1):46–51

Salivary gland choristoma of the middle ear. Saeger KL, et al. **Arch Pathol Lab Med** 1982 Jan;106(1):39–40

A new optical system in tympanic membrane and middle ear endoscopy. Eichner H. **Endoscopy** 1981 Sep;13(5):211–3

Embryonal rhabdomyosarcoma of the middle ear presenting as sarcoma botryoides. Favorable outcome in a 12-year-old boy. Urban C, et al. **Helv Paediatr Acta** 1982;37(1):67–71

Treatment of retraction pockets and cholesteatoma. Sadé J. **J Laryngol Otol** 1982 Aug;96(8):685–704

Upon the relationship between secretory otitis in childhood and chronic otitis and its sequelae in adults. Tos M.
J Laryngol Otol 1981 Oct;95(10):1011–22

Nevus planus of the skin associated to jugulo-tympanicum paraganglioma. A new neurocutaneous syndrome? [letter] Vaquero J, et al. **J Neurol Neurosurg Psychiatry** 1981 Aug; 44(8):740

Nasopharyngeal polyps arising in the middle ear of the cat. Lane JG, et al. **J Small Anim Pract** 1981 Aug;22(8):511–22

Epitympanum-attic irrigation. Brown LA. **Laryngoscope** 1981 Sep;91(9 Pt 1):1561

Cholesteatoma and chronic otitis media following middle ear intubation. Buckingham RA. **Laryngoscope** 1981 Sep;91(9 Pt 1):1450–6

Exploratory tympanotomy revisited. Paparella MM, et al. **Laryngoscope** 1982 May;92(5):531–4

Long-term prognostic-significance of serial tympanometry. A cohort study of preschool children. Fiellau-Nikolajsen M, et al. **ORL J Otorhinolaryngol Relat Spec** 1982 Mar–Apr;44(2):90–100

Benign adenoma of the middle ear cavity causing facial paralysis. Zahtz GD, et al.
Otolaryngol Head Neck Surg 1981 Jul–Aug;89(4):624–7

[Primary carcinoma of the external and middle ear (author's transl)] Alvares Cruz N, et al.
Ann Otolaryngol Chir Cervicofac 1981;98(12):613–9 (Eng. Abstr.) **(Fre)**

[Cholesteatoma of the ear (apropos of 16 cases)] Debrie JC, et al. **Dakar Med** 1981;26(4):415–95 **(Fre)**

[Treatment of Ménière's disease with intratympanically applied gentamycin sulphate (author's transl)] Katzke D. **Laryngol Rhinol Otol (Stuttg)** 1982 Jan;61(1):4–8 (Eng. Abstr.) **(Ger)**

[Electron microscopic studies of the matrix of a cholesteatoma of the middle ear] Tsenev IT, et al.
Vestn Otorinolaringol 1982 Mar–Apr;(2):21–5 (Eng. Abstr.) **(Rus)**

ABNORMALITIES

Course of the facial nerve in congenital ear deformities. Tomographic demonstration. Phelps PD, et al.
Acta Radiol [Diagn] (Stockh) 1981;22(4):475–83

Severe middle ear anomaly with underdeveloped facial nerve. A temporal bone histopathologic case report. Kodama A, et al. **Arch Otolaryngol** 1982 Feb;108(2):93–8

Polytomography and congenital external and middle ear anomalies. Wright JW Jr. **Laryngoscope** 1981 Nov; 91(11):1806–11

ANALYSIS

Concentrations of antimicrobial agents in middle ear fluid, saliva and tears. Nelson JD, et al.
Int J Pediatr Otorhinolaryngol 1981 Dec;3(4):327–34

ANATOMY & HISTOLOGY

Anatomy of the rat middle ear. A study under the dissection microscope. Hellström S, et al. **Acta Anat (Basel)** 1982; 112(4):346–52

Morphology of the middle ear in the rhesus monkey (Macaca mulatta). Saad MM, et al. **Acta Anat (Basel)** 1982; 112(2):117–30

Middle ear mucosa in newborn infants. A topographical and microanatomical study. Akaan-Penttilä E.
Acta Otolaryngol (Stockh) 1982 Mar–Apr;93(3–4):251–9

Contribution to the study of the styloid prominence in the posterior tympanic cavity. Garcia PJ, et al. **Anat Anz** 1982; 151(3):247–54

Comparative anatomy of eustachian tube and middle ear cavity in animal models for otitis media. Daniel HJ 3d, et al. **Ann Otol Rhinol Laryngol** 1982 Jan–Feb;91(1 Pt 1):82–9

Relationship between the shape of the reconstructed tympanic cavity and the postoperative auditory function. Dziewiszek S. **Audiology** 1982;21(1):52–4

The tympanic cavity: tomographic anatomy. Ars B.
Clin Otolaryngol 1981 Oct;6(5):311–5

Tinnitus and anatomical correlates of the auditory system: peripheral; central. Snow JB Jr.
J Laryngol Otol [Suppl] 1981;(4):13–20

[The anterior region of the tympanic cavity and the supratubal fossa] Andrea M.
An Otorrinolaringol Ibero Am 1981;8(3):245–56 (Eng. Abstr.) **(Spa)**

BLOOD SUPPLY

Agonist action of yohimbine on the perfused rabbit central ear artery. Tayo FM. **Blood Vessels** 1982;19(4):197–202

[Rheoaurography in chronic suppurative otitis media] Bikbaeva AI, et al. **Vestn Otorinolaringol** 1982 Jan–Feb; (1):26–30 (Eng. Abstr.) **(Rus)**

CYTOLOGY

Ganglia and ganglion cells in the middle ear. Their presence in the human and the cat. Goycoolea MV, et al.
Arch Otolaryngol 1982 May;108(5):276–8

Studies on melanocytes. VI. Melanocytes in the middle ear. Lin CS, et al. **Arch Otolaryngol** 1982 Aug;108(8):489–90

Tissue reactions to glass ceramics in the middle ear. Reck R. **Clin Otolaryngol** 1981 Feb;6(1):63–5

EMBRYOLOGY

[Dysembryoplastic process by ectopia of brain tissue in the middle ear. Apropos of a case] Dehesdin D, et al.
J Fr Otorhinolaryngol 1982 May;31(5):327–33 **(Fre)**

GROWTH & DEVELOPMENT

Development of the hypotympanum in the human fetus and neonate. Spector GJ, et al.
Ann Otol Rhinol Laryngol [Suppl] 1981 Nov–Dec;90(6 Pt 2 Suppl 88):1–20

IMMUNOLOGY

Otologic allergy. Derlacki EL. **Am J Otol** 1982 Apr; 3(4):379–83

Humoral and cell-mediated immunity in peripheral blood following introduction of antigen into the middle ear. Ryan AF, et al. **Ann Otol Rhinol Laryngol** 1982 Jan–Feb;91(1 Pt 1):70–5

Experimental otitis media in chinchillas. II. Comparison of the middle ear immune responses to S pneumoniae types 3 and 23. Watanabe N, et al.
Ann Otol Rhinol Laryngol [Suppl] 1982 May–Jun;93:9–16

Heterophile antibodies in middle ear effusions. Bernstein JM, et al. **Arch Otolaryngol** 1982 May;108(5):267–9

INJURIES

[Traumatic tympano-ossicular lesions. Apropos of 47 cases] Longuebray A, et al. **J Fr Otorhinolaryngol** 1982 May; 31(5):335–9 **(Fre)**

[Severe damage of middle and internal ear, caused by a knitting needle (author's transl)] Wisser F.
Laryngol Rhinol Otol (Stuttg) 1981 Aug;60(8):444–5 (Eng. Abstr.) **(Ger)**

[Ear damage in diving simulation attempt in high pressure chambers] Köhlinger A. **Med Welt** 1981 Oct 23;32(43):1620 **(Ger)**

INNERVATION

Neural connections between the middle ear, eustachian tube and brain. Implications for the reflex control of middle ear aeration. Eden AR. **Ann Otol Rhinol Laryngol** 1981 Nov–Dec;90(6 Pt 1):566–9

METABOLISM

Anomalous middle ear gas absorption in a non-human primate model of cleft palate. Doyle WJ, et al.
Cleft Palate J 1982 Jan;19(1):17–24

The penetration of erythromycin into the middle ear. Sundberg L, et al. **Infection** 1982;10 Suppl 2:S102–4

Penetration of amoxicillin, cefaclor, erythromycin-sulfisoxazole, and trimethoprim-sulfamethoxazole into the middle ear fluid of patients with chronic serous otitis media. Krause PJ, et al. **J Infect Dis** 1982 Jun;145(6):815–21

Experimental cholesterol granuloma. Histopathological and histochemical studies. Hiraide F, et al. **J Laryngol Otol** 1982 Jun;96(6):491–501

Identification of prostaglandins and other arachidonic acid metabolites in experimental otitis media. Jung TT, et al.
Prostaglandins Leukotrienes Med 1982 Mar;8(3):249–61

MICROBIOLOGY

Bacteria in the middle ear and ear canal of patients with secretory otitis media and with non-inflamed ears. Sipilä P, et al. **Acta Otolaryngol (Stockh)** 1981 Jul–Aug; 92(1–2):123–30

Bacteriological studies after obliterative mastoid operations. Ojala K, et al. **Clin Otolaryngol** 1982 Apr;7(2):81–6

[Bacteria in the middle ear and nasopharynx in patients with chronic otitis media] Ojala K, et al.
Laryngol Rhinol Otol (Stuttg) 1982 Mar;61(3):120–3 (Eng. Abstr.) **(Ger)**

PATHOLOGY

Cholesteatoma. Experimental induction in the Mongolian Gerbil, Meriones Unguiculaus. McGinn MD, et al.
Acta Otolaryngol (Stockh) 1982 Jan–Feb;93(1–2):61–7

Experimental tubal obstruction. Changes in middle ear mucosa elucidated by quantitative histology. Tos M.
Acta Otolaryngol (Stockh) 1981 Jul–Aug;92(1–2):51–61

Problems of the stapes footplate associated with tympanosclerosis. Dawes JD.
Acta Otorhinolaryngol Belg 1981;35(5–6):485–8

Clinicopathologic studies in tympanosclerosis. Makishima K, et al. **Am J Otol** 1982 Jan;3(3):260–5

Middle and inner ear changes in congenital rubella. Gussen R. **Am J Otolaryngol** 1981 Nov;2(4):314–20

Gross and microscopic lesions of middle and inner ear infections in swine. Olson LD. **Am J Vet Res** 1981 Aug; 42(8):1433–40

Bone resorption in human cholesteatomas. Bretlau P, et al.
Ann Otol Rhinol Laryngol 1982 Mar–Apr;91(2 Pt 1):131–5

Bilateral middle ear carcinomas associated with Waldenström's macroglobulinemia. Brookes GB.
Ann Otol Rhinol Laryngol 1982 May–Jun;91(3 Pt 1):299–303

Otopathological findings in a patient with bilateral cochlear implants. Johnsson LG, et al.
Ann Otol Rhinol Laryngol [Suppl] 1982 Mar–Apr;91(2 Pt 3 Suppl 91):74–89

Tympanosclerosis. Gibb AG. **Ear Nose Throat J** 1981 Dec; 60(12):565–70

[Aural and nasal meningitis (author's transl)] Khan NA.
Laryngol Rhinol Otol (Stuttg) 1982 Feb;61(2):98–101 **(Ger)**

[Cholesteatoma, oto- and tympanosclerosis: their general mechanism of tissue destruction (author's transl)] Mann W, et al. **Laryngol Rhinol Otol (Stuttg)** 1981 Aug;60(8):426–30 (Eng. Abstr.) **(Ger)**

[Morphohistochemical characteristics of tympanosclerosis and problems in its morphogenesis] Bykova VP, et al.
Arkh Patol 1982;44(1):39–44 (Eng. Abstr.) **(Rus)**

[Mucous membrane of the attic and antrum in chronic otitis media during remission] Grigor'ev VP.
Vestn Otorinolaringol 1981 Nov–Dec;(6):32–4 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

Hearing, middle ear pressure and otopathology in a cleft palate population. Møller P. **Acta Otolaryngol (Stockh)** 1981 Nov–Dec;92(5–6):521–8

Inert gas exchange in the middle ear. Ranade A, et al.
Acta Otolaryngol [Suppl] (Stockh) 1980;371:1–23

Vestibular and clinical reaction to middle ear pressure changes. Tjernström O. **Adv Otorhinolaryngol** 1982;28:61–7

Middle ear, cochlea, and Tonndorf. Zwislocki JJ. **Am J Otolaryngol** 1981 Aug;2(3):240–50

Neural connections between the middle ear, eustachian tube and brain. Implications for the reflex control of middle ear aeration. Eden AR. **Ann Otol Rhinol Laryngol** 1981 Nov–Dec;90(6 Pt 1):566–9

Normal function of the middle ear and its measurement. Zwislocki JJ. **Audiology** 1982;21(1):4–14

Analysis of the avian middle ear muscle contraction by strain gauge and volume and impedance change measures. Borg E, et al. **Comp Biochem Physiol [A]** 1982;71(4):619–21

Measurement of the acoustic input immittance of the human ear. Rabinowitz WM. **J Acoust Soc Am** 1981 Oct; 70(4):1025–35

Ipsilateral corticocortical projections related to binaural columns in cat primary auditory cortex. Imig TJ, et al. **J Comp Neurol** 1981 Nov 20;203(1):1–14

Tympanic membrane retraction and middle-ear pressure. Cable HR, et al. **J Laryngol Otol** 1982 Feb;96(2):113–7

Negative middle ear pressure induced by sniffing. A tympanometric study in persons with healthy ears. Falk B. **J Otolaryngol** 1981 Aug;10(4):299–305

Psychological correlates of spontaneous middle ear muscle activity during sleep. Ogilvie RD, et al. **Sleep** 1982; 5(1):11–27

Pneumatic otoscopy in infants and children. Cavanaugh RM Jr. **South Med J** 1982 Mar;75(3):335–8

Pressure equilibration of the middle ear during ascent. Ornhagen HC, et al. **Undersea Biomed Res** 1981 Dec; 8(4):219–27

[Changes of pressure within the middle ear during various kinds of gnaesthesia (author's transl)] Kuschnir H, et al. **Laryngol Rhinol Otol (Stuttg)** 1981 Aug;60(8):418–20 (Eng. Abstr.) **(Ger)**

[Simultaneous recording and averaging of middle ear muscle reflex measured by impedance and ear canal pressure (author's transl)] Honjo I, et al. **Nippon Jibiinkoka Gakkai Kaiho** 1980 Nov 20; 83(11):1461–7 (Eng. Abstr.) **(Jpn)**

PHYSIOPATHOLOGY

Middle ear pressure during brief pathological conditions of the nose and throat. Bonding P, et al. **Acta Otolaryngol (Stockh)** 1981 Jul–Aug;92(1–2):63–9

Intratympanic gas–pressure in cases of SOM and atelectasis. Cohen–Boulakia J, et al. **Acta Otolaryngol (Stockh)** 1981 Jul–Aug;92(1–2):41–50

The site of initial production and transport of effusion materials in otitis media serosa. A study on rat middle ear cavity. Hellström S, et al. **Acta Otolaryngol (Stockh)** 1982 May–Jun;93(5–6):435–40

Sniff–induced negative middle ear pressure: study of a consecutive series of children with otitis media with effusion. Falk B. **Am J Otolaryngol** 1982 May–Jun; 3(3):155–62

Conditioned middle ear muscle tinnitus a case report. Collard ME, et al. **Ann Otol Rhinol Laryngol** 1982 May–Jun;91(3 Pt 1):330–1

Tympanometric configurations and middle ear findings in experimental otitis media. Giebink GS, et al. **Ann Otol Rhinol Laryngol** 1982 Jan–Feb;91(1 Pt 1):20–4

Middle–ear analysis in the nose/ear distress syndrome. McNicoll WD. **J Laryngol Otol** 1982 Apr;96(4):309–23

Hearing and middle ear function in osteogenesis imperfecta. Shapiro JR, et al. **JAMA** 1982 Apr 16;247(15):2120–6

Auditory function in acute severe head injury. Hall JW 3d, et al. **Laryngoscope** 1982 Aug;92(8 Pt 1):883–90

Intracerebral hematoma: spontaneous cure by drainage into the middle ear. A case report. Bose B, et al. **Neurosurgery** 1982 Jan;10(1):103–4

Measures of middle ear admittance during experimentally induced changes in middle ear volume in the hamster. Zwillenberg D, et al. **Otolaryngol Head Neck Surg** 1981 Sep–Oct;89(5):856–60

[Electrical stimulation of the middle ear in total deafness: results in 375 cases (author's transl)] Chouard CH, et al. **Ann Otolaryngol Chir Cervicofac** 1982;99(1–2):15–22 (Eng. Abstr.) **(Fre)**

[Harmful effects of noise on the auditory apparatus] Leroux–Robert J. **Bull Acad Natl Med (Paris)** 1981 Oct; 165(7):983–92 **(Fre)**

[Intratympanic pressure changes during general anaesthesia (author's transl)] Laszig R, et al. **Laryngol Rhinol Otol (Stuttg)** 1982 Apr;61(4):196–8 (Eng. Abstr.) **(Ger)**

[Measurements of acoustic impedance of the ear in subjects exposed to harmful effects of constant noise (author's transl)] Bielska D, et al. **Otolaryngol Pol** 1982;36(1):49–55 (Eng. Abstr.) **(Pol)**

RADIOGRAPHY

Tomography and xerotomography after reconstructive middle ear surgery for cholesteatoma. Brünner S, et al. **Eur J Radiol** 1982 May;2(2):102–4

Computerized tomography in hearing loss and disequilibrium states. Hanafee WN. **Otolaryngol Head Neck Surg** 1981 Sep–Oct;89(5):861–6

[Quantitative study of cholesteatoma using polytome (author's transl)] Goto S. **Nippon Jibiinkoka Gakkai Kaiho** 1981 May;84(5):490–505 (Eng. Abstr.) **(Jpn)**

SURGERY

Deliberate hypotension for middle ear microsurgery. Scholtes JL. **Acta Anaesthesiol Belg** 1981;32(3):195–211

Computerized documentation in middle ear surgery. Methods and clinical experiences. Harris S. **Acta Otolaryngol [Suppl] (Stockh)** 1981;374:1–51

Microscopic otologic photography using a standard 35–mm camera. Hughes GB, et al. **Am J Otol** 1981 Jan;2(3):243–7

Tympanoplasty and recurrent disease: sniff–induced high negative pressure in the middle ear space. Magnuson B. **Am J Otolaryngol** 1981 Nov;2(4):277–83

Bioinert ceramic implants in middle ear surgery. Jahnke K, et al. **Ann Otol Rhinol Laryngol** 1981 Nov–Dec;90(6 Pt 1):640–2

Some pitfalls in the evaluation of auditory function after surgical procedures. Flottorp G. **Audiology** 1982;21(1):15–9

Post–operative evaluation of middle ear surgery. Marquet J, et al. **Audiology** 1982;21(1):20–32

Introduction to the round table conference on the evaluation of auditory function after surgical procedures. Sekula J. **Audiology** 1982;21(1):1–3

Tympanostomy tube therapy for otitis media. Cohen JI, et al. **Ear Hear** 1982 Mar–Apr;3(2):96–100 (45 ref.)

Post–operative cholesteatomas and retraction pockets after obliterative surgery in ears without cholesteatoma. Ojala K, et al. **J Laryngol Otol** 1982 May;96(5):411–6

When not to do middle–ear surgery. Plester D. **J Laryngol Otol** 1982 Jul;96(7):585–90

Aeration of the middle ear and mastoid in tympanoplasty. Wehrs RE. **Laryngoscope** 1981 Sep;91(9 Pt 1):1463–8

[Indication, methods and results of surgery of the middle ear] Tos M. **Nord Med** 1982 Jan;97(1):20–4 **(Dan)**

[New surgical technic for approaching the cavities of the middle ear] Ataman T. **Acta Otorhinolaryngol Belg** 1981; 35(3–4):315–21 **(Fre)**

[Piston–malleus. II (author's transl)] Elbaz P, et al. **Ann Otolaryngol Chir Cervicofac** 1982;99(4–5):191–4 (Eng. Abstr.) **(Fre)**

[Spontaneous meningeal fistula of the middle ear detected during insertion of a trans–tympanic aerator (author's transl)] Fleury P, et al. **Ann Otolaryngol Chir Cervicofac** 1982;99(4–5):203–4 (Eng. Abstr.) **(Fre)**

[Bone channel boring in middle ear surgery (author's transl)] Fleury P, et al. **Ann Otolaryngol Chir Cervicofac** 1982; 99(4–5):213–8 **(Fre)**

[Piston–malleus and re–establishment of the columella effect I (author's transl)] Fleury P, et al. **Ann Otolaryngol Chir Cervicofac** 1982;99(4–5):187–90 **(Fre)**

[Piston–malleus. III (author's transl)] Legent F, et al. **Ann Otolaryngol Chir Cervicofac** 1982;99(4–5):195–8 (Eng. Abstr.) **(Fre)**

[The role of nitroglycerin in controlled hypotension in surgery of the middle ear] Bertrand D, et al. **J Fr Otorhinolaryngol** 1982 Mar;31(3):181–5 (Eng. Abstr.) **(Fre)**

[Suprapetrosal approach] Charachon R. **J Fr Otorhinolaryngol** 1981 Nov;30(9):597–605 **(Fre)**

[Traumatic otoliquorrhoea. Fifty patients treated surgically (author's transl)] Bousquet C, et al. **Neurochirurgie** 1980; 26(6):369–75 (Eng. Abstr.) **(Fre)**

[Antibacterial therapy in surgery of the inner and middle ear. A study of co–trimoxazole penetration into the perilymph (author's transl)] Jacob M, et al. **Nouv Presse Med** 1982 Jun 19;11(29):2205–9 (Eng. Abstr.) **(Fre)**

[Demonstration of the reduction of bleeding by flunitrazepam in microsurgery of the middle ear] Joseph D, et al. **Rev Laryngol Otol Rhinol (Bord)** 1981 Nov–Dec; 102(11–12):551–6 **(Fre)**

[Changes in plasma volume during and after middle–ear procedures (author's transl)] Lühr HG, et al. **Anaesthesist** 1981 Sep;30(9):476–80 (Eng. Abstr.) **(Ger)**

[From tissue labyrinthitis and osteitis of the bony capsule of the inner ear to osteoplastic epitympanotomy. Part III (author's transl)] Wullstein HL. **HNO** 1981 Oct; 29(10):315–20 (Eng. Abstr.) **(Ger)**

[Isografts in middle ear surgery — a histological and autoradiographic study (author's transl)] Hildmann H. **Laryngol Rhinol Otol (Stuttg)** 1982 Jan;61(1):26–9 (Eng. Abstr.) **(Ger)**

[Surgical treatment of middle ear cholesteatoma. Open versus closed technique (author's transl)] Strauss P. **Laryngol Rhinol Otol (Stuttg)** 1982 Jan;61(1):20–5 (Eng. Abstr.) **(Ger)**

[Obliteration of the mastoid air cell system with porous tricalcium phosphate ceramic. An animal experiment of the bulla tympanica of the pig (author's transl)] Zöllner C, et al. **Laryngol Rhinol Otol (Stuttg)** 1981 Oct;60(10):527–33 (Eng. Abstr.) **(Ger)**

[Follow–up studies following antrotomy in infancy and early childhood] Czigány J, et al. **Orv Hetil** 1981 Aug 30; 122(35):2145–6 **(Hun)**

[A new procedure for approach to middle ear cavities] Ataman T. **Rev Chir [Otorinolaringol]** 1981 Oct–Dec; 26(4):267–72 (Eng. Abstr.) **(Rum)**

TRANSPLANTATION

Human tympanic membrane homograft. Abedi E, et al. **South Med J** 1982 Jul;75(7):805–6

EAR MOLDS see HEARING AIDS

EAR NEOPLASMS

Primary adenocarcinoma of the middle ear. Patel M, et al. **Ear Nose Throat J** 1981 Nov;60(11):527–9

ANALYSIS

Tyrosine crystals in salivary gland tumours [letter] Friedmann I, et al. **J Clin Pathol** 1982 Jan;35(1):120

COMPLICATIONS

Bilateral middle ear carcinomas associated with Waldenström's macroglobulinemia. Brookes GB. **Ann Otol Rhinol Laryngol** 1982 May–Jun;91(3 Pt 1):299–303

Benign adenoma of the middle ear cavity causing facial paralysis. Zahtz GD, et al. **Otolaryngol Head Neck Surg** 1981 Jul–Aug;89(4):624–7

DIAGNOSIS

Embryonal rhabdomyosarcoma of the middle ear presenting as sarcoma botryoides. Favorable outcome in a 12–year–old boy. Urban C, et al. **Helv Paediatr Acta** 1982;37(1):67–71

Intracranial ceruminous gland adenocarcinoma. Cilluffo JM, et al. **J Neurosurg** 1981 Dec;55(6):952–6

[Retromyringeal cholesteatoma] Fajstavr J, et al. **Cesk Otolaryngol** 1982 Apr;31(2):93–7 (Eng. Abstr.) **(Cze)**

[Meningioma of the ear simulating a glomus tumor: report on two cases (author's transl)] Fleury P, et al. **Ann Otolaryngol Chir Cervicofac** 1982;99(4–5):199–202 (Eng. Abstr.) **(Fre)**

DRUG THERAPY

[The carcinoma of the ear – indication for antineoplastic chemotherapy (author's transl)] Weidauer H. **Laryngol Rhinol Otol (Stuttg)** 1982 May;61(5):242–5 (Eng. Abstr.) **(Ger)**

EMBRYOLOGY

[Dysembryoplastic process by ectopia of brain tissue in the middle ear. Apropos of a case] Dehesdin D, et al. **J Fr Otorhinolaryngol** 1982 May;31(5):327–33 **(Fre)**

PATHOLOGY

Tumours in Iceland. 4. Tumours of the upper respiratory tract and ear. A histological classification and some etiological and epidemiological considerations. Cooper MA, et al. **Acta Pathol Microbiol Scand [A]** 1981 Sep; 89(5):377–87

Bone resorption in human cholesteatomas. Bretlau P, et al. **Ann Otol Rhinol Laryngol** 1982 Mar–Apr;91(2 Pt 1):131–5

Salivary gland choristoma of the middle ear. Saeger KL, et al. **Arch Pathol Lab Med** 1982 Jan;106(1):39–40

Postauricular fetal rhabdomyoma: light and electron microscopic study. Simha M, et al. **Hum Pathol** 1982 Jul; 13(7):673–6

Chondromyxofibroma ossificans of the ethmoidal labyrinth in a child. Szmeja Z, et al. **Int J Pediatr Otorhinolaryngol** 1981 Apr;3(2):151–6

Salivary gland choristoma of the middle ear: a case report. Quaranta A, et al. **J Laryngol Otol** 1981 Sep;95(9):953–6

Aural polypi: a histopathological and histochemical study. Gaafar H, et al. **ORL J Otorhinolaryngol Relat Spec** 1982 Mar–Apr;44(2):108–15

Sebaceous cell carcinoma of the external auditory canal. Doble HP 2d, et al. **Otolaryngol Head Neck Surg** 1981 Jul–Aug;89(4):685–8

RADIOGRAPHY

Diagnostic oncology case study. Kagan AR, et al. **AJR** 1982 May;138(5):943–4

Tomography of the internal acoustic meatus. A critical evaluation of the radiological appearance in normals and in patients with acoustic neuromas. Thomsen J, et al. **J Laryngol Otol** 1981 Dec;95(12):1191–204

Evaluation of the internal auditory canal using pluridirectional tomography with metrizamide. Curtin HD. **Radiology** 1982 Jul;144(1):115–20

RADIOTHERAPY

Megavoltage electron beam therapy in the treatment of basal and squamous cell carcinomata of the pinna. Hunter RD, et al. **Clin Radiol** 1982 May 3;33(3):341–5

SECRETION

[2 cases of chemodectoma—catecholamine secreting and non–secreting tumors] Ohtsuka A, et al. **Nippon Rinsho** 1981;39(7):2662–6 **(Jpn)**

SURGERY

Radical en bloc resection of the temporal bone. Ariyan S, et al. **Am J Surg** 1981 Oct;142(4):443–7

Insidious cutaneous lesions of the head and neck. Stahl RS, et al. **Am Surg** 1981 Sep;47(9):417–20

Auricular malignant neoplasms. When is chemotherapy (Mohs' technique) necessary? Bumsted RM, et al.

Arch Otolaryngol 1981 Nov;107(11):721–4
Auricular malignant neoplasms. Identification of high-risk lesions and selection of method of reconstruction. Bumsted RM, et al. **Arch Otolaryngol** 1982 Apr;108(4):225–31
Treating preauricular basal cell carcinoma [letter] Mora RG. **J Am Acad Dermatol** 1982 Mar;6(3):401–2
Acoustic tumors: surgical update in 42 consecutive patients. Luetje CM, et al. **J Kans Med Soc** 1982 Feb;83(2):66–8, 82
Osteomas and exostoses of the external auditory canal – medical and surgical management. Kemink JL, et al. **J Otolaryngol** 1982 Apr;11(2):101–6
'How I do it'—otology and neurotology. A specific issue and its solution. A postauricular muscle-skin flap for conchal defects. Koopmann CF Jr, et al. **Laryngoscope** 1982 May;92(5):596–8
Cerebrospinal fluid 'leaks' and meningitis following acoustic tumor surgery. Hughes GB, et al. **Otolaryngol Head Neck Surg** 1982 Jan–Feb;90(1):117–25
Neurofibroma of the ear: function and aesthetics. Trevisani TP, et al. **Plast Reconstr Surg** 1982 Aug;70(2):217–9
[Medio-auricular reconstruction with a helico-lobular flap] Soussaline M, et al. **Ann Chir Plast** 1981;26(3):280–1 (Eng. Abstr.) **(Fre)**
[Covering of skin by local flaps in the auricular region (author's transl)] Jacobs KF. **Laryngol Rhinol Otol (Stuttg)** 1981 Nov;60(11):559–63 **(Ger)**
[A case of atypical malignant melanoma (pseudobotriomycomatosis) of the ear lobe treated with cryosurgery] Olariu B, et al. **Rev Chir [Otorinolaringol]** 1982 Jan–Mar;27(1):41–52 (Eng. Abstr.) **(Rum)**

THERAPY

[Primary carcinoma of the external and middle ear (author's transl)] Alvares Cruz N, et al. **Ann Otolaryngol Chir Cervicofac** 1981;98(12):613–9 (Eng. Abstr.) **(Fre)**

ULTRASTRUCTURE

Primary adenomatous neoplasms of the middle ear: light and electron microscopic features of a group distinct from the ceruminomas. Riches WG, et al. **Am J Clin Pathol** 1982 Feb;77(2):153–61 (32 ref.)

VETERINARY

Tumours of the external auditory canal and the auditory sebaceous glands in Han: WIST rats. Short communication. Deerberg F, et al. **Z Versuchstierkd** 1981;23(2):134–7

EAR OSSICLES

see related
STAPES SURGERY
Development of a total artificial middle ear prosthesis. Grote JJ. **Rev Laryngol Otol Rhinol (Bord)** 1981 May–Jun; 102(5–6):189–93

ABNORMALITIES

Idiopathic malleus head fixation as a cause of a combined conductive and sensorineural hearing loss. Katzke D, et al. **Clin Otolaryngol** 1981 Feb;6(1):39–44
[Bone dysplasias of the face. Apropos of 2 cases, one of them in a hard of hearing patient with ossicular malformation] Claux J, et al. **J Fr Otorhinolaryngol** 1981 Oct;30(8):489–91 **(Fre)**
[Congenital ossicular malformation with slight anomalies of the external ear (author's transl)] Funasaka S, et al. **Nippon Jibiinkoka Gakkai Kaiho** 1981 Feb;84(2):179–85 (Eng. Abstr.) **(Jpn)**

ANATOMY & HISTOLOGY

The ossicular system of cats. Girgis IH, et al. **J Laryngol Otol** 1982 Mar;96(3):195–203
[The virtual image of the incus] Boedts D. **Acta Otorhinolaryngol Belg** 1981;35(3–4):281–5 (Eng. Abstr.) **(Fre)**
[A comparative anatomic contribution to the development of the ossicles and the annular ligament (author's transl)] Rauchfuss A. **Arch Otorhinolaryngol** 1981;233(1):77–87 (Eng. Abstr.) **(Ger)**
[Age-dependent structural changes in the annular ligament of stapes in the human] Leutert G, et al. **Gegenbaurs Morphol Jahrb** 1981;127(5):597–600 **(Ger)**

BLOOD SUPPLY

The mallear blush in children. Cavanaugh RM Jr. **Clin Pediatr (Phila)** 1981 Dec;20(12):802

INJURIES

[Traumatic tympano-ossicular lesions. Apropos of 47 cases] Longuebray A, et al. **J Fr Otorhinolaryngol** 1982 May; 31(5):335–9 **(Fre)**
[X-ray tomography in fractures of the temporal bone and injuries of the ossicula (author's transl)] Frey KW, et al. **Laryngol Rhinol Otol (Stuttg)** 1981 Sep;60(9):451–70 (Eng. Abstr.) **(Ger)**
[Case of traumatic rupture of the auditory ossicle chain] Gol'dman II, et al. **Vestn Otorinolaringol** 1982 Mar–Apr; (2):64 **(Rus)**

PATHOLOGY

Ossicular damage in chronic middle ear inflammation. Sade J, et al. **Acta Otolaryngol (Stockh)** 1981 Sep–Oct; 92(3–4):273–83
Otospongiosis: morphologic and microchemical investigation after NaF-treatment. Bretlau P, et al. **Otolaryngol Head Neck Surg** 1981 Jul–Aug;89(4):646–50
Test and teach number thirty-three: diagnosis: otosclerosis (otospongiosis) in an active phase involving the stapial footplate and the medial portions of both stapes crura. Iyer PV, et al. **Pathology** 1982 Apr;14(2):120, 221–2

PHYSIOLOGY

[Application of holographic interferometry to the study of hearing—vibration analysis of the stapes footplate (author's transl)] Shibata S. **Nippon Jibiinkoka Gakkai Kaiho** 1981 Apr;84(4):359–67 (Eng. Abstr.) **(Jpn)**

PHYSIOPATHOLOGY

Malleus handle probe: a middle ear diagnostic procedure. Duncan RB. **Ann Otol Rhinol Laryngol** 1982 May–Jun;91(3 Pt 1):281–4
The negative on/off effect in cochlear and early stapedial otosclerosis. Forquer BD, et al. **Ear Hear** 1981 Nov–Dec; 2(6):256–9
[Ankylosis of the stapes by post-inflammatory osteogenesis (or syndrome of Coyle Shea Jr). Report of two cases (author's transl)] Berezin A. **Ann Otolaryngol Chir Cervicofac** 1981;98(9):447–9 (Eng. Abstr.) **(Fre)**

SURGERY

Ossicular chain reconstruction with plastipore prostheses. Sanna M, et al. **Am J Otol** 1981 Jan;2(3):225–9
Fate of cartilage autografts for ossiculoplasty: an electron microscopic study. Belal A Jr, et al. **Clin Otolaryngol** 1981 Aug;6(4):231–6
Long-term histological fate of cartilage in ossicular reconstruction. Steinbach E, et al. **J Laryngol Otol** 1981 Oct;95(10):1031–9
Mastoid obliteration with primary ossicular reconstruction. Janzen VD. **J Otolaryngol** 1981 Aug;10(4):321–4
[Biocompatible ossicle prosthesis of Proplast and Plastipore. Comparative study in tympanoplasties apropos of 200 cases] Portmann M, et al. **Rev Laryngol Otol Rhinol (Bord)** 1982; 103(1):9–13 (Eng. Abstr.) **(Fre)**
[Reconstruction of the ossicular chain: Plastipore prosthesis compared with autogenous and allogenic ossicles (author's transl)] Hussl B, et al. **Laryngol Rhinol Otol (Stuttg)** 1981 Aug;60(8):421–5 (Eng. Abstr.) **(Ger)**
[The use of Plastipor in tympanoplasty (author's transl)] Sprem N. **Lijec Vjesn** 1980 Jul–Aug;102(7–8):411–3 (Eng. Abstr.) **(Scr)**

TRANSPLANTATION

'How I do it' – otology and neurotology. A specific issue and its solution. An alternative way of using TORP and PORP. Palva T. **Laryngoscope** 1981 Nov;91(11):1960–2
Homograft ossicles in tympanoplasty. Wehrs RE. **Laryngoscope** 1982 May;92(5):540–6
[Reconstruction of the ossicular chain: Plastipore prosthesis compared with autogenous and allogenic ossicles (author's transl)] Hussl B, et al. **Laryngol Rhinol Otol (Stuttg)** 1981 Aug;60(8):421–5 (Eng. Abstr.) **(Ger)**
[The use of tympano-ossicular homografts in tympanoplastic surgery] Vasile C. **Rev Chir [Otorinolaringol]** 1981 Jul–Sep; 26(3):189–97 (Eng. Abstr.) **(Rum)**

EAR PROTECTIVE DEVICES see under **PROTECTIVE DEVICES**

EARLY AMBULATION

Treatment of severe cervical spine injuries by anterior interbody fusion with early mobilization. Svendgaard NA, et al. **Acta Neurochir (Wien)** 1982;60(1–2):91–105
Early mobilization after uncomplicated myocardial infarction [letter] West RR. **Am Heart J** 1982 Feb;103(2):311–2
Immediate ambulation after planned extra-capsular cataract extraction and implant of intra-ocular lens. Parker R. **Aust J Ophthalmol** 1981 Nov;9(4):289–92
The influence of early weight-bearing on experimental total hip arthroplasties in dogs. Gitelis S, et al. **Clin Orthop** 1982 Sep;(169):291–302
Shortening and angulation of femoral shaft fractures treated by cast brace application and early ambulation. Hardy AE. **Clin Orthop** 1982 Aug;(168):139–43
Medical problems and physiologic responses during supervised inpatient cardiac rehabilitation: the patient after coronary artery bypass grafting. Dion WF, et al. **Heart Lung** 1982 May–Jun;11(3):248–55
Effects of early intermittent passive mobilization on healing canine flexor tendons. Gelberman RH, et al. **J Hand Surg** 1982 Mar;7(2):170–5
Odontoid fracture: management with early mobilization using the halo device. Ekong CE, et al. **Neurosurgery** 1981 Dec; 9(6):631–7
Dr. Paul Unna's boot and early ambulation after skin grafting the leg: a survey of burn centers and a report of 20 cases. Harnar T, et al. **Plast Reconstr Surg** 1982 Feb;69(2):359–60
Rehabilitation of the patient with myocardial infarction. Responsibility of the primary care physician. Wenger NK. **Primary Care** 1981 Sep;8(3):491–507 (28 ref.)
[The influence of early weight-bearing on the healing of tibial shaft fractures (author's transl)] Komprda J. **Acta Chir Orthop Traumatol Cech** 1982 Apr;49(2):148–54 (Eng. Abstr.) **(Cze)**
[The risk of ultrarapid mobilization in cataract extraction through inverted steplike incisions] Bordeianu CD, et al. **Rev Chir [Oftalmol]** 1981 Jul–Sep;25(3):237–40 **(Rum)**

METHODS

[Hanging cast – therapeutic possibility for early mobilization in multiple fractures of the upper extremity] Franke J, et al. **Zentralbl Chir** 1982;107(9):533–5 **(Ger)**

TRENDS

[Rehabilitation of patients with coronary cardiopathy. Early mobilization after acute myocardial infarction] Fernández de la Vega Romo PF, et al. **Arch Inst Cardiol Mex** 1981 Jul–Aug;51(4):381–9 (39 ref.) (Eng. Abstr.) **(Spa)**

EARLY MOBILIZATION see **EARLY AMBULATION**

EARTHWORMS see **OLIGOCHAETA**

EAST COAST FEVER see **THEILERIASIS**

EATING

Blood sugar changes in diabetics after a test meal containing vegetables and olive oil [letter] Katsilambros N, et al. **Acta Diabetol Lat** 1982 Apr–Jun;19(2):185–6
The effect of starvation and refeeding with oral versus intravenous glucose on serum 3,5–,3,3'–and 3'–5'–diiodothyronine and 3'–monoiodothyronine. Jaedig S, et al. **Acta Endocrinol (Copenh)** 1982 Jul;100(3):388–92
Effects of stimulation of the satiety and feeding centers on gastric, cecal and rectal motility in the rat. Lee ZL. **Acta Med Okayama** 1982 Jun;36(3):213–22
Human fetal breathing and gross body activity relative to maternal meals during insulin-dependent pregnancy. Wladimiroff JW, et al. **Acta Obstet Gynecol Scand** 1982; 61(1):65–8
Simultaneous study of the circadian rhythms of food intake, water intake and renal excretion and analysis of their interrelations in rats. Ikonomov O, et al. **Acta Physiol Pharmacol Bulg** 1981;7(1):77–84
Initial fall in peripheral plasma somatostatin-like immunoreactivity levels following feeding in humans indicating a vagal inhibitory control of somatostatin levels. Uvnäs-Moberg K, et al. **Acta Physiol Scand** 1981; 113(3):411–3
The feeding system of the pigeon (Columba livia L.). Zweers G. **Adv Anat Embryol Cell Biol** 1982;73:1–108
Postprandial alterations in cardiovascular hemodynamics in autonomic dysfunction states. Robertson D, et al. **Am J Cardiol** 1981 Dec;48(6):1048–52
The effects of ileal transposition on food intake and body weight loss in VMH-obese rats. Koopmans HS, et al. **Am J Clin Nutr** 1982 Feb;35(2):284–93
Habitual excessive dietary salt intake and blood pressure levels in renal transplant recipients. Kalbfleisch JH, et al. **Am J Med** 1982 Aug;73(2):205–10
The spoon plate: a self-feeding device. Wyckoff E, et al. **Am J Occup Ther** 1982 May;36(5):333–5
Role of the small bowel in regulating food intake in rats. Atkinson RL, et al. **Am J Physiol** 1982 May;242(5):R429–33
Sham feeding-induced cephalic phase insulin release in the rat. Berthoud HR, et al. **Am J Physiol** 1982 Apr; 242(4):E280–5
Responses to mixed meals in pancreatectomized dogs deprived of postprandial insulin. Goriya Y, et al. **Am J Physiol** 1982 May;242(5):E335–42
Metabolic response of normal man and insulin-infused diabetics to postprandial exercise. Nelson JD, et al. **Am J Physiol** 1982 May;242(5):E309–16
Effect of liquid meals on duodenogastric reflux in humans. Sonnenberg A, et al. **Am J Physiol** 1982 Jul;243(1):G42–7
Reflections on eating and breathing as models of mental functions. Food and breath 'minds'. Eigen M. **Am J Psychoanal** 1981 Summer;41(2):177–80
Glucagon, gastric inhibitory polypeptide and the gastrocolic response. Strom JA, et al. **Am J Surg** 1982 Jan;143(1):155–9
Effects of bitterweed (Hymenoxys odorata) on voluntary feed intake and serum constituents of sheep. Calhoun MC, et al. **Am J Vet Res** 1981 Oct;42(10):1713–7
Food intake of sheep exposed to hot-humid, hot-dry, and cool-humid environments. Guerrini VH. **Am J Vet Res** 1981 Apr;42(4):658–61
The ability to predict weight gain, individual organ weight, and corresponding food intake in the rat by the four-parameter model for physiological responses. Schweisthal MR, et al. **Anat Rec** 1982 Jan;202(1):131–6
Variation in circulating immune complex levels with diet, exercise, and sleep: a comparison between normal controls and patients with systemic lupus erythematosus. Isenberg DA, et al. **Ann Rheum Dis** 1981 Oct;40(5):466–9
Regulatory impairments following selective 6-OHDA lesions

of the neostriatum. Dunnett SB, et al. **Behav Brain Res** 1982 Feb;4(2):195–202

Hyperactivity, aphagia and motor disturbance following restricted lesions of midbrain in rats. Pope SG, et al. **Behav Neural Biol** 1982 Jan;34(1):63–74

Hypothalamic obesity in male rats: comparison of parasagittal, coronal, and combined knife cuts. Sclafani A. **Behav Neural Biol** 1982 Feb;34(2):201–8

Relation between eating evoked by lateral hypothalamic stimulation and tail pinch in different rat strains. Valenstein E, et al. **Behav Neural Biol** 1982 Mar;34(3):271–82

Depression, restraint and eating behavior. Frost RO, et al. **Behav Res Ther** 1982;20(2):113–21

Postprandial hypoglycemia and 'psychological'symptoms. Hale F, et al. **Biol Psychiatry** 1982 Jan;17(1):125–30

Lipogenesis in response to an oral glucose load in fed and starved rats. Sugden MC, et al. **Biosci Rep** 1981 Jun; 1(6):469–76

Effects of restricted feeding in the growing and laying periods on the performance of White Leghorn by Australorp crossbred and White Leghorn strain cross chickens. Robinson D, et al. **Br Poult Sci** 1982 May; 23(3):199–214

Evidence for hepatic glucostatic regulation of food intake in the domestic chicken and its interaction with gastro-intestinal control. Shurlock TG, et al. **Br Poult Sci** 1981 Jul;22(4):333–46

Factors affecting food intake in the domestic chicken: the effect of infusions of nutritive and non-nutritive substances into the crop and duodenum. Shurlock TG, et al. **Br Poult Sci** 1981 Jul;22(4):323–31

Trigeminal orosensory deafferentiation disrupts feeding and drinking mechanism in the rat. Jacquin MF, et al. **Brain Res** 1982 Apr 22;238(1):198–204

Inhibitory action of the ventral noradrenergic bundle on the lateral hypothalamic neurons through alpha-noradrenergic mechanisms in the rat. Miyahara S, et al. **Brain Res** 1982 Feb 25;234(2):459–63

LCEC monitoring of 5-hydroxyindolic compounds in the cerebrospinal fluid of the rat related to sleep and feeding. Danguir J, et al. **Brain Res Bull** 1982 Mar;8(3):293–7

Selection for serum cholesterol, voluntary physical activity, 56-day body weight and feed intake in randombred mice. I. Direct responses. Dunnington EA, et al. **Can J Genet Cytol** 1981;23(3):533–44

Selection for serum cholesterol, voluntary physical activity, 56-day weight and feed intake in randombred mice. II. Correlated responses. Dunnington EA, et al. **Can J Genet Cytol** 1981;23(3):545–55

Selection for feed efficiency in mice under AD libitum and restricted feeding terminated by fixed time or quantity of intake. Parker RJ, et al. **Can J Genet Cytol** 1982; 24(1):117–26

Feeding response of tumor-bearing rats to insulin and insulin withdrawal and the contribution of autonomous tumor drain to cachectic depletion. Morrison SD. **Cancer Res** 1982 Sep;42(9):3642–7

Preprandial and postprandial variations of insulin sensitivity in different times of the day assessed by the artificial pancreas in type I diabetics. Trovati M, et al. **Chronobiologia** 1981 Oct–Dec;8(4):333–40

Food-induced increase in propranolol bioavailability—relationship to protein and effects on metabolites. Walle T, et al. **Clin Pharmacol Ther** 1981 Dec; 30(6):790–5

Delays in growth and biochemical development of rat brain caused by maternal methadone administration: are the alterations in synaptogenesis and cellular maturation independent of reduced maternal food intake? Seidler FJ, et al. **Dev Neurosci** 1982;5(1):13–8

The metabolic and hormonal responses to a mixed meal in unrestrained pancreatectomised dogs chronically treated by portal or peripheral insulin infusion. Goriya Y, et al. **Diabetologia** 1981 Jul;21(1):58–64

Effect of an opiate antagonist (naloxone) on the gastric acid secretory response to sham feeding, pentagastrin, and histamine in man. Feldman M, et al. **Dig Dis Sci** 1982 Apr; 27(4):308–10

Serum gastrin responses to bombesin and food in patients with hypergastrinemia. Jansen JB, et al. **Dig Dis Sci** 1982 Apr;27(4):303–7

Feeding augments canine jejunal absorption via a hormonal mechanism. Sarr MG, et al. **Dig Dis Sci** 1981 Nov; 26(11):961–5

Increased dipropylacetic acid bioavailability from dipropylacetamide by food. Pisani F, et al. **Epilepsia** 1982 Apr;23(2):115–21

Effects of physical training on hypothalamic obesity in rats. Jenkins RR, et al. **Eur J Applied Physiol** 1982;48(3):355–9

Role of postural deficits in oro-ingestive problems caused by globus pallidus lesions. Labuszewski T, et al. **Exp Neurol** 1981 Oct;74(1):93–110

Changes in the masseteric reflex during hypothalamic aphagia in cats. Wyrwicka W, et al. **Exp Neurol** 1982 Jul; 77(1):194–207

Secretions of isolated total gastric pouches in fasting and fed rats. Levan VH, et al. **Exp Pathol** 1981;20(4):189–92

Gastric emptying and sieving of solid food and pancreatic and biliary secretion after solid meals in patients with truncal vagotomy and antrectomy. Mayer EA, et al. **Gastroenterology** 1982 Jul;83(1 Pt 2):184–92

The growth of mice selected for large and small size in relation to food intake and the efficiency of conversion. Roberts RC. **Genet Res** 1981 Aug;38(1):9–24

Gastric secretory and plasma hormonal responses to sham-feeding of varying duration in patients with duodenal ulcer. Konturek SJ, et al. **Gut** 1981 Dec;22(12):1003–10

The effect of sham-feeding on gallbladder volume and circulation of bile acids. Hansen WE, et al. **Hepatogastroenterology** 1982 Jun;29(3):108–10

Factors influencing the acute effect of food on oxygen consumption in the rat. Rothwell NJ, et al. **Int J Obes** 1982;6(1):53–9

Influence of physical activity on the thermic effect of food in young men. Samueloff S, et al. **Isr J Med Sci** 1982 Jan; 18(1):193–6

Reliability and validity of the 24-hour recall. Carter RL, et al. **J Am Diet Assoc** 1981 Nov;79(5):542–7

Accuracy of self-reports of food intake. Stunkard AJ, et al. **J Am Diet Assoc** 1981 Nov;79(5):547–51 (25 ref.)

Selection for feed conversion on efficiency and growth in mice. Gunsett FC, et al. **J Anim Sci** 1981 Jun;52(6):1280–5

Intake, digestibility, ruminal characteristics and rate of passage of orchardgrass diets fed to sheep. Robles AY, et al. **J Anim Sci** 1981 Aug;53(2):489–93

An ecobehavioral examination of a simple strategy for increasing mealtime language in residential facilities. VanBiervliet A, et al. **J Appl Behav Anal** 1981 Fall; 14(3):295–305

Body temperature, oviposition, and food intake in the hen during continuous light. Kadono H, et al. **J Appl Physiol** 1981 Nov;51(5):1145–9

The treatment of adult obesity through direct manipulation of specific eating behaviors. Rodriguez L, et al. **J Behav Ther Exp Psychiatry** 1981 Jun;12(2):159–62

A vagally mediated histaminergic component of food-related drinking in the rat. Kraly FS, et al. **J Comp Physiol Psychol** 1982 Feb;96(1):89–104

Vagotomy blocks hypothalamic hyperphagia in rats on a chow diet and sucrose solution, but not on a palatable mixed diet. Sclafani A, et al. **J Comp Physiol Psychol** 1981 Oct;95(5):720–34

Diet palatability modulates sham feeding in VMH-lesion and normal rats: implications for finickiness and evaluation of sham-feeding data. Weingarten HP. **J Comp Physiol Psychol** 1982 Apr;96(2):223–33

Effects of feeding level in late pregnancy and dietary protein concentration during early lactation on food intake, milk yield, liveweight change and nitrogen balance of cows. Cowan RT, et al. **J Dairy Res** 1981 Jun;48(2):201–12

Plasma concentrations and urinary excretion of mouse epidermal growth factor associated with the inhibition of food consumption and of wool growth in Merino wethers. Panaretto BA, et al. **J Endocrinol** 1982 Aug;94(2):191–202

Life span study of SPF Fischer 344 male rats fed ad libitum or restricted diets: longevity, growth, lean body mass and disease. Yu BP, et al. **J Gerontol** 1982 Mar;37(2):130–41

Pre-anaesthetic feeding in children. Paul AK, et al. **J Indian Med Assoc** 1981 Apr;76(7–8):121–3

Postcibal gastroesophageal reflux in children. Jolley SG, et al. **J Pediatr Surg** 1981 Aug;16(4):487–90

Effect of depressed mood in eating among obese and nonobese dieting and nondieting persons. Baucom DH, et al. **J Pers Soc Psychol** 1981 Sep;41(3):577–85

Episodic growth hormone secretion in sheep in relation to time of feeding, spontaneous meals and short term fasting. Driver PM, et al. **J Physiol (Lond)** 1981 Aug;317:413–24

Weight loss in cats which eat well. Watson AD, et al. **J Small Anim Pract** 1981 Jul;22(7):473–82

The flip side of obesity: those who undereat [news] Korcok M. **JAMA** 1982 Jan 22–29;247(4):421–2

Development and testing of an automated food dispenser for small rodents. DiGirolamo M, et al. **Lab Anim Sci** 1981 Oct;31(5 Pt 1):476–81

Effects of feeding on aminophylline induced supra-maximal thermogenesis. Wang LC. **Life Sci** 1981 Dec 14; 29(24):2459–66

Mating-induced alterations in the regulatory mechanisms of male rats. Weizenbaum FA. **Mech Ageing Dev** 1981; 16(4):303–9

Feeding and defensive conditioned reflexes to electrical stimulation of different formations of the limbic system. Asratyan EA. **Neurosci Behav Physiol** 1981 Mar–Apr; 11(2):108–15

Acute effects of food, 2-deoxy-D-glucose and noradrenaline on metabolic rate and brown adipose tissue in normal and atropinised lean and obese (fa/fa) Zucker rats. Rothwell NJ, et al. **Pflugers Arch** 1981 Dec;392(2):172–7

Food intake, body composition and blood lipids following treadmill exercise in male and female rats. Applegate EA, et al. **Physiol Behav** 1982 May;28(5):917–20

Ingestive behaviors of rats with electrolytic median raphe lesions maintained on a food deprivation schedule. Asin KE, et al. **Physiol Behav** 1982 Jan;28(1):89–93

Self-stimulation in the sheep: interactions with ingestive behaviour and light cycle. Baldwin BA, et al. **Physiol Behav** 1982 Jan;28(1):77–81

The stimulus-basis of a natural food aversion in Norway rats. Carr WJ, et al. **Physiol Behav** 1982 Feb;28(2):281–7

Dietary dilution and intake in the cat. Castonguay TW. **Physiol Behav** 1981 Sep;27(3):547–9

Interrelationships among activity, food intake and weight gain in genetically obese and lean Zucker rats. Enns MP, et al. **Physiol Behav** 1982 Jun;28(6):1059–64

Pancreatic glucagon and postprandial satiety in the rat. Geary N, et al. **Physiol Behav** 1982 Feb;28(2):313–22

Failure of periodic presentation of palatable diet to entrain feeding, drinking and activity rhythms under constant conditions. Greenwood K, et al. **Physiol Behav** 1981 Dec; 27(6):1057–66

Control of food intake and meal patterns in monkeys. Hansen BC, et al. **Physiol Behav** 1981 Nov;27(5):803–10

Investigation of body temperature as a possible feeding control in the suckling rat. Henning SJ, et al. **Physiol Behav** 1982 Apr;28(4):693–6

Olfactory bulbectomy in infant rats: survival, growth and ingestive behaviors. Hill DL, et al. **Physiol Behav** 1981 Nov;27(5):811–7

Homeostatic competition between food intake and temperature regulation in rats. Johnson KG, et al. **Physiol Behav** 1982 Apr;28(4):675–9

Transient aphagia produced following bilateral destruction of the lateral hypothalamic area and quinto-frontal tract of chicks. Kuenzel WJ. **Physiol Behav** 1982 Feb; 28(2):237–44

Effects of short-term nocturnal and diurnal food deprivation on subsequent feeding in intact and VMH lesioned rats: relation to blood glucose level. Larue-Achagiotis C, et al. **Physiol Behav** 1982 Feb;28(2):245–8

Hypothalamic paraventricular nucleus lesions produce overeating and obesity in the rat. Leibowitz SF, et al. **Physiol Behav** 1981 Dec;27(6):1031–40

The effects of subdiaphragmatic vagotomy on circadian corticosterone rhythmicity in rats with continuous or restricted food access. Moreira AC, et al. **Physiol Behav** 1982 May;28(5):787–90

Adjunctive behavior in children on fixed interval food reinforcement schedules. Porter JH, et al. **Physiol Behav** 1982 Apr;28(4):609–12

Effects of environmental temperature on dietary obesity and growth in rats. Rowe EA, et al. **Physiol Behav** 1982 Feb; 28(2):219–26

Effects of dopamine-depleting brain lesions on experimental hyperphagia in rats. Rowland N, et al. **Physiol Behav** 1982 Feb;28(2):271–7

Hyperactivity and obesity: the interaction of social isolation and cafeteria feeding. Sahakian BJ, et al. **Physiol Behav** 1982 Jan;28(1):117–24

Copulation affects body weight but not food intake or dietary self-selection in male rats. Siegel LI, et al. **Physiol Behav** 1981 Nov;27(5):943–6

Diurnal patterns of food intake and plasma corticosterone levels in lactating rats. Tachi N, et al. **Physiol Behav** 1981 Sep;27(3):481–6

Effects of wheel running on food intake and weight gain of male and female rats. Tokuyama K, et al. **Physiol Behav** 1982 May;28(5):899–903

Influence of feeding situation on stomach ulcers and organ weights in rats in the activity-stress ulcer paradigm. Tsuda A, et al. **Physiol Behav** 1982 Feb;28(2):349–52

Pavlovian conditioning of the cephalic phase of gastric acid secretion in the rat. Weingarten HP, et al. **Physiol Behav** 1981 Aug;27(2):217–21

Sham feeding as a procedure for assessing the influence of diet palatability on food intake. Weingarten HP, et al. **Physiol Behav** 1982 Mar;28(3):401–7

A comment on the practice of expressing food and water intake as a proportion of body weight. Wirtshafter D, et al. **Physiol Behav** 1982 Jan;28(1):183–5

Nutritional behaviour of patients on continuous ambulatory peritoneal dialysis. von Baeyer H, et al. **Proc Eur Dial Transplant Assoc** 1981;18:193–8

The cultural significance of food and eating. Murcott A. **Proc Nutr Soc** 1982 Jun;41(2):203–10

Effect of high ambient temperature (35 degrees), and feed intake on plasma T4 levels in sheep. Valtorta S, et al. **Proc Soc Exp Biol Med** 1982 Feb;169(2):260–5

The problem of screening for uncommon disorders – a comment on the Eating Attitudes Test. Williams P, et al. **Psychol Med** 1982 May;12(2):431–4

Bilirubin excretion following feeding or the infusion of glucose in ponies. Canning JF. **Q J Exp Physiol** 1982 Apr; 67(2):311–21

beta-Adrenergic effects on composition of parotid salivary secretion of sheep on feeding. Patterson J, et al. **Q J Exp Physiol** 1982 Jan;67(1):57–67

Changes in plasma pancreatic polypeptide and gastrin in sows after eating and atropine. Comline RS, et al. **Res Vet Sci** 1981 Sep;31(2):140–3

Dietary restriction for the prevention of disproportion and obstructed labour among the Pedis of yester-year. Mphahlele M. **S Afr Med J** 1982 May 29;61(22):842

Sham feeding disrupts the interdigestive motility complex in man. Defilippi C, et al. **Scand J Gastroenterol** 1981; 16(8):977–9

Esophageal peristalsis before, during, and after food intake in healthy people. Funch-Jensen P, et al. **Scand J Gastroenterol** 1981;16(2):209–12

Food-stimulated gastroesophageal sphincter pressure in patients with abnormal duodenal loop compared with controls. Funch-Jensen P, et al. **Scand J Gastroenterol** 1981;16(4):527–30

Meal-stimulated secretin release in man: effect of acid and bile. Schaffalitzky de Muckadell OB, et al. **Scand J Gastroenterol** 1981;16(8):981–8

Grass eating by carnivores. Beaver BV. **VM SAC** 1981 Jul;

76(7):968–9
[Changes of the sinusoid hepatic blood flow after food ingestion: decline in patients with stenosis of the splanchnic vessels (author's transl)] Bláha V, et al. **Cesk Gastroenterol Vyz** 1981 May;35(3):100–4 (Eng. Abstr.) **(Cze)**
[Is obesity just overeating? (pathogenetic consideration)] Mašek J. **Cesk Gastroenterol Vyz** 1981 Oct;35(7):341–5 **(Cze)**
[Activity rhythm of piglets and its modification by light and feeding. 2. Experimental studies of the effect of light and feeding] Schrenk HJ, et al. **Berl Munch Tierarztl Wochenschr** 1982 Feb 15;95(4):61–5 (Eng. Abstr.) **(Ger)**
[Lipoprotein profile following food intake] Mertz DP, et al. **MMW** 1982 Feb 5;124(5):98–100 **(Ger)**
[Anticipatory responses in behaviours and metabolism (author's transl)] Saito M, et al. **Tanpakushitsu Kakusan Koso** 1982 Jan 5;27(2):134–42 (44 ref.) **(Jpn)**
[Temperature and electrical responses of brain structures related to the feeding center during intense, protracted digestive system activity] Mironchik KV, et al. **Fiziol Zh** 1981 Nov–Dec;27(6):786–92 (Eng. Abstr.) **(Rus)**
[Impulse coherent component separation study of spontaneous activity of the splanchnic nerve in chronic experiments on dogs] Remizov IN, et al. **Neirofiziologiia** 1981;13(6):636–42 (Eng. Abstr.) **(Rus)**
[Before or after meals?] Segarra Domenech J, et al. **Med Clin (Barc)** 1981 Jul 15;77(3):124–9 **(Spa)**

DRUG EFFECTS

No proof of anorectic properties of pGlu–His–Gly in rats and mice. Knuth UA, et al. **Acta Endocrinol (Copenh)** 1981 Nov;98(3):477–80
Effects of oral glycerol on food intake in man. Björvell H, et al. **Am J Clin Nutr** 1982 Aug;36(2):262–5
The effect preloads of amino acid on shortterm satiety. Butler RN, et al. **Am J Clin Nutr** 1981 Oct;34(10):2045–7
Metabolic concomitants of glucagon-induced suppression of feeding in the rat. Geary N, et al. **Am J Physiol** 1981 Nov; 241(5):R330–5
Cholecystokinin suppresses food intake by inhibiting gastric emptying. Moran TH, et al. **Am J Physiol** 1982 May; 242(5):R491–7
Glucoprivic feeding is impaired by lateral or fourth ventricular alloxan injection. Ritter S, et al. **Am J Physiol** 1982 Sep;243(3):R312–7
Feeding and growth hormone after cerebroventricular carbachol in sheep. Driver PM, et al. **Ann Rech Vet** 1981; 12(1):99–101
D-glucose infusions into the basal ventromedial hypothalamus and feeding. Panksepp J, et al. **Behav Brain Res** 1981 Nov;3(3):381–92
Diazepam reverses bombesin-induced gastric spasms and food intake reduction in the rat. Yound WG, et al. **Behav Brain Res** 1982 Apr;4(4):401–10
Orally administered THIP inhibits food intake in the rat. Blavet N, et al. **Behav Neural Biol** 1982 Jan;34(1):109–12
Systemic and intraventricular naloxone administration: effects on food and water intake. Hynes MA, et al. **Behav Neural Biol** 1981 Jul;32(3):334–42
The effect of fenfluramine on the microstructure of feeding and drinking in the rat. Burton MJ, et al. **Br J Pharmacol** 1981 Apr;72(4):621–33
Feeding suppression and grooming repeatedly elicited by intraventricular bombesin. Kulkosky KV, et al. **Brain Res** 1982 Jun 17;242(1):194–6
Reduction of feeding in rats by calcitonin. Levine AS, et al. **Brain Res** 1981 Oct 5;222(1):187–91
Evidence for vagal involvement in the eating elicited by adrenergic stimulation of the paraventricular nucleus. Sawchenko PE, et al. **Brain Res** 1981 Nov 30;225(2):249–69
Hibernation 'trigger' injected in brain induces hypothermia and hypophagia in the monkey. Myers RD, et al. **Brain Res Bull** 1981 Dec;7(6):691–5
Diphosphoglycerate and phytic acid as feeding stimulants for the blood-feeding bug Rhodnius prolixus. Smith JJ, et al. **Comp Biochem Physiol [A]** 1982;72(1):133–6
Effects of antipsychotic compounds in rhesus monkeys given a choice between cocaine and food. Woolverton WL, et al. **Drug Alcohol Depend** 1981 Aug;8(1):69–78
Dose-dependent feeding in the rat following substantia nigra acetylcholinesterase blockade. Winn P, et al. **Eur J Pharmacol** 1981 Dec 17;76(4):421–5
Inhibition of food intake in the rat by cyproheptadine. Blavet N, et al. **Experientia** 1982 Feb 15;38(2):264–5
The C-terminal tetrapeptide of cholecystokinin decreases hunger in rats. Halmy L, et al. **Experientia** 1982 Jul 15; 38(7):873–4
Insect antifeedant terpenes, hot-tasting to humans. Kubo I, et al. **Experientia** 1981 Oct 15;37(10):1063–4
Eating induced by injections of 2-deoxy-D-glucose in neurologically intact hypodipsic rats. Watson PJ, et al. **Int J Neurosci** 1981;15(1–2):95–8
Influence of intrajugular administration of insulin, glucagon and propionate on voluntary feed intake of sheep. Deetz LE, et al. **J Anim Sci** 1981 Aug;53(2):427–33
Naloxone decreases food intake in obese humans. Atkinson RL. **J Clin Endocrinol Metab** 1982 Jul;55(1):196–8
Homeostatic regulation and Pavlovian conditioning in tolerance to amphetamine-induced anorexia. Poulos CX, et al. **J Comp Physiol Psychol** 1981 Oct;95(5):735–46
Atropine fails to block the overconsumption of sugar solutions by hypothalamic hyperphagic rats. Sclafani A, et al. **J Comp Physiol Psychol** 1981 Oct;95(5):708–19
Effects of hepatic denervation on the anorexic response to epinephrine, amphetamine, and lithium chloride: a behavioral identification of glucostatic afferents. Tordoff MG, et al. **J Comp Physiol Psychol** 1982 Jun;96(3):361–75
Modes of action of gallic acid in suppressing food intake of rats. Glick Z. **J Nutr** 1981 Nov;111(11):1910–6
Ethanol consumption by Syrian golden hamsters. Food intake and blood ethanol levels. McCoy GD, et al. **J Stud Alcohol** 1981 May;42(5):508–13
Effects of intracerebroventricular administration of aliphatic diamines on ingestive behavior in the rat. Kohno H, et al. **Jpn J Pharmacol** 1981 Apr;31(2):211–20
Changes in ingestive behavior, serum glucose and free fatty acids concentrations in rats following intracerebroventricular injection of spermine. Kohno H, et al. **Jpn J Pharmacol** 1981 Dec;31(6):863–73
Evidence that systemically administered salbutamol reduces food intake in rats by acting on central beta-adrenergic sites. Borsini F, et al. **Life Sci** 1982 Mar 15;30(11):905–11
Drinking, but not feeding, is opiate-sensitive in hamsters. Lowy MT, et al. **Life Sci** 1982 May 10;30(19):1639–44
Muscimol induced feeding: a model to study the hypothalamic regulation of appetite. Morley JE, et al. **Life Sci** 1981 Sep 21;29(12):1213–8
Food intake following systemic 6-hydroxydopamine injection. Kiang-Ulrich M, et al. **Med Biol** 1982 Feb; 60(1):42–4
Effects of triethyltin on ingestive behavior at ad lib, reduced, and recovered body weight. DeHaven DL, et al. **Neurobehav Toxicol Teratol** 1982 Mar–Apr;4(2):217–23
Inhibition of foot intake in the rat. Blavet N, et al. **Neurochem Res** 1982 Mar;7(3):339–48
Effects of diazepam and of serotonin agonists on hyponeophagia in rats. Shephard RA, et al. **Neuropharmacology** 1982 Apr;21(4):337–40
Comparison of TRH and anorexigenic peptide on food intake and gastrointestinal secretions. Konturek SJ, et al. **Peptides (Fayetteville)** 1981;2 Suppl 2:235–40
The effect of calcitonin on food intake in diabetic mice. Morley JE, et al. **Peptides (Fayetteville)** 1982 Jan–Feb; 3(1):17–20
Abdominal vagotomy does not block the satiety effect of bombesin in the rat. Smith GP, et al. **Peptides (Fayetteville)** 1981 Winter;2(4):409–11
The satiety effect of cholecystokinin: a progress report. Smith GP, et al. **Peptides (Fayetteville)** 1981;2 Suppl 2:57–9 (51 ref.)
Cholecystokinin and bombesin act independently to decrease food intake in the rat. Stein LJ, et al. **Peptides (Fayetteville)** 1981 Winter;2(4):431–6
Bombesin reduces food intake of normal and hypothalamically obese rats and lowers body weight when given chronically. West DB, et al. **Peptides (Fayetteville)** 1982 Jan–Feb;3(1):61–7
Ontogeny of fenfluramine and amphetamine anorexia compared in rat pups. Leshem M. **Pharmacol Biochem Behav** 1981 Dec;15(6):859–63
Peripherally administered somatostatin reduces feeding by a vagal mediated mechanism. Levine AS, et al. **Pharmacol Biochem Behav** 1982 Jun;16(6):897–902
Dynorphin-(1–13), dopamine and feeding in rats. Morley JE, et al. **Pharmacol Biochem Behav** 1982 May;16(5):701–5
Testosterone affects food intake and body weight of weanling male rats. Nunez AA, et al. **Pharmacol Biochem Behav** 1982 Jun;16(6):933–6
Naloxone suppresses insulin-induced food intake in novel and familiar environments, but does not affect hypoglycemia. Rowland N, et al. **Pharmacol Biochem Behav** 1982 Jun; 16(6):1001–3
A comparison of the effects of opiate antagonists on operant and ingestive behavior. Sanger DJ, et al. **Pharmacol Biochem Behav** 1982 Jun;16(6):1013–5
Beta-adrenoceptor antagonists may attenuate hyponeophagia in the rat through a serotonergic mechanism. Shephard RA, et al. **Pharmacol Biochem Behav** 1982 May;16(5):741–4
Endotoxin–elicited fever and anorexia and elfazepam-stimulated feeding in sheep. Baile CA, et al. **Physiol Behav** 1981 Aug;27(2):271–7
Long-term effects of insulin in weanling rats with dorsomedial hypothalamic hypophagia: food intake, efficiency of food utilization, body weight and composition. Bernardis LL, et al. **Physiol Behav** 1981 Sep;27(3):469–74
Effects of lithium on circadian cycles in food and water intake, urinary concentration and body weight in rats. Christensen S, et al. **Physiol Behav** 1982 Apr;28(4):635–40
Eating, drinking and temperature response of chicks to brain catecholamine injections. Denbow DM, et al. **Physiol Behav** 1981 Aug;27(2):265–9
Kyotorphins affect aversive pecking in chicks. Kastin AJ, et al. **Physiol Behav** 1981 Dec;27(6):1073–6
Behavioral effects of bombesin administration in rats. Kulkosky PJ, et al. **Physiol Behav** 1982 Mar;28(3):505–12
Extreme sensitivity of diabetic mice to naloxone-induced suppression of food intake. Levine AS, et al. **Physiol Behav** 1982 Jun;28(6):987–89
Centrally-administered bombesin produces effects unlike short-term satiety in operant feeding pigs. Parrott RF, et al. **Physiol Behav** 1982 Mar;28(3):521–4
Theophylline disrupts diurnal rhythms of humoral factors with loss of meal cyclicity. Sakata T, et al. **Physiol Behav** 1982 Apr;28(4):641–7
Opiate receptors, food intake and obesity. Shimomura Y, et al. **Physiol Behav** 1982 Mar;28(3):441–5
2-Deoxy-D-glucose produces delayed hypophagia and conditioned taste aversion in rats. Thompson CI, et al. **Physiol Behav** 1981 Dec;27(6):1001–4
The suppression of sucrose intake by cholecystokinin is scaled according to the magnitude of the orosensory control over feeding. Waldbillig RJ, et al. **Physiol Behav** 1982 Apr; 28(4):591–5
Effects of LH kainic acid infusions on ingestion and autonomic activity. Wayner MJ, et al. **Physiol Behav** 1981 Aug;27(2):369–76
Feeding and drinking response of young chicks to injections of serotonin into the lateral ventricle of the brain. Denbow DM, et al. **Poult Sci** 1982 Jan;61(1):150–5
Hyperphagia and weight gain in monkeys treated with clonidine. Schlemmer RF Jr, et al. **Prog Clin Biol Res** 1981; 71:197–210
THIP inhibits feeding behavior in fasted rats. Blavet N, et al. **Psychopharmacology (Berlin)** 1982;76(1):75–8
Anorexia and antagonism of thiamin utilization in poultry treated with furazolidone. Ali BH, et al. **Q J Exp Physiol** 1982 Jul;67(3):437–48
Cholecystokinin–octapeptide suppresses stress-induced eating by inducing hyperglycemia. Levine AS, et al. **Regul Pept** 1981 Nov;2(6):353–7
Purinergic regulation of food intake. Levine AS, et al. **Science** 1982 Jul 2;217(4554):77–9
[Effects of intraperitoneally administered spermine on ingestive behavior, serum glucose and free fatty acids concentrations in rats (author's transl)] Kohno H, et al. **Nippon Yakurigaku Zasshi** 1981 Apr;77(4):361–70 (Eng. Abstr.) **(Jpn)**
[Food intake in suckling rats after glycerol administration] Mózeš S, et al. **Vet Med (Praha)** 1981 Oct;26(10):631–4 (Eng. Abstr.) **(Slo)**

EATING BEHAVIOR see **FEEDING BEHAVIOR**

EATING DISORDERS see **APPETITE DISORDERS**

EATON AGENT see **MYCOPLASMA**

EBOLA VIRUS see under **RHABDOVIRIDAE**

EBSTEIN'S ANOMALY

COMPLICATIONS

The electrophysiologic basis and management of symptomatic recurrent tachycardia in patients with Ebstein's anomaly of the tricuspid valve. Smith WM, et al. **Am J Cardiol** 1982 Apr 1;49(5):1223–34
Deterioration of Ebstein disease after closure of atrial septal defect. Taguchi K, et al. **Jpn J Surg** 1982;12(2):126–9
[A case of acute myocardial infarction complicated with Ebstein's anomaly (author's transl)] Fukami K, et al. **Kokyu To Junkan** 1981 Oct;29(10):1125–31 (Eng. Abstr.) **(Jpn)**

DIAGNOSIS

Electrocardiographic abnormalities in Ebstein's anomaly. Deductions based on comparison with endomyocardial fibrosis. Jaiyesimi F. **Cardiology** 1982;69(2):61–9
Pulmonary atresia with intact ventricular septum, Ebstein's anomaly of hypoplastic tricuspid valve, and double-chamber right ventricle: two-dimensional echocardiographic-anatomic correlation. Huhta JC, et al. **Mayo Clin Proc** 1982 Aug;57(8):515–9
[Two-dimensional echocardiographic study of Ebstein's disease. Apropos of 16 cases] Roudaut R, et al. **Arch Mal Coeur** 1981 Oct;74(10):1177–84 (Eng. Abstr.) **(Fre)**

PATHOLOGY

[Congenital abnormalities of the tricuspid valve and Ebstein's anomaly with pulmonary valvular stenosis] Zghaib A, et al. **Arch Inst Cardiol Mex** 1981 Jul–Aug;51(4):331–9 (Eng. Abstr.) **(Spa)**

PHYSIOPATHOLOGY

[Ebstein anomaly (author's transl)] Hu XD, et al. **Chung Hua Hsin Hsueh Kuan Ping Tsa Chih** 1980 Dec; 8(4):273–6 (Eng. Abstr.) **(Chi)**

SURGERY

Prolonged induction with exaggerated chamber enlargement in Ebstein's anomaly. Elsten JL, et al. **Anesth Analg (Cleve)** 1981 Dec;60(12):909–10
Tricuspid valve replacement for Ebstein's anomaly. A 19 year review of the first case. Charles RG, et al. **Br Heart J** 1981 Nov;46(5):578–80
Partial atrioventricular canal in association with Ebstein's anomaly. Echocardiographic diagnosis and surgical correction. Handler JB, et al. **Chest** 1981 Oct;80(4):515–7
[Treatment of Ebstein anomaly with bioprosthetic replacement (author's transl)] Ling HS.

Chung Hua Hsin Hsueh Kuan Ping Tsa Chih 1980 Dec; 8(4):277–9 (Chi)
[The experiences of plication of the atrialized right ventricle for Ebstein's anomaly (author's transl)] Ihara K, et al. Kyobu Geka 1982;35(1):51–5 (Eng. Abstr.) (Jpn)
[Valve replacement for Ebstein's anomaly of tricuspid valve—early and long-term results of 8 cases (author's transl)] Abe T, et al. Nippon Kyobu Geka Gakkai Zasshi 1982 Feb;30(2):207–15 (Eng. Abstr.) (Jpn)
[Surgical repair of the systemic atrioventricular valve incompetence with Ebstein's anomaly in corrected transposition of the great arteries (author's transl)] Nagata M, et al. Nippon Kyobu Geka Gakkai Zasshi 1981 Aug; 29(8):1366–72 (Eng. Abstr.) (Jpn)

EBV see **EPSTEIN-BARR VIRUS**

EC-IC ARTERIAL BYPASS see **CEREBRAL REVASCULARIZATION**

ECCENTRO-OSTEOCHONDRODYSPLASIA see **MUCOPOLYSACCHARIDOSIS 4**

ECCHYMOSIS

see related
PURPURA

CHEMICALLY INDUCED

[Rare complication of oral anticoagulants] Panecka A, et al. Pol Tyg Lek 1981 Aug 24;36(34):1305–6 (Eng. Abstr.) (Pol)
[Hemorrhagic diathesis induced by intake of anticoagulants of indirect action in hysteria] Zherdeva LV, et al. Probl Gematol Pereliv Krovi 1981 Sep;26(9):55–7 (Rus)

COMPLICATIONS

[Acute hemorrhagic edema in the infant] Saggese M. Pediatria (Napoli) 1981 Dec 31;89(4):775–85 (Ita)

DIAGNOSIS

Acute blue fingers in women. Deliss LJ, et al. J Bone Joint Surg [Br] 1982;64(4):458–9
Fourth nerve palsy opposite a black eye. Two patients simulating orbital blowout fractures. Keane JR. J Clin Neuro Ophthalmol 1981 Sep;1(3):209–11
Tumor conference 37. A vascular malformation characterized by episodic hematomas and ecchymoses: a new entity? Kopf AW, et al. J Dermatol Surg Oncol 1981 Sep; 7(9):689–92

ETIOLOGY

Flank ecchymosis associated with rectus sheath hematoma. Coker R, et al. J Okla State Med Assoc 1982 Apr;75(4):80–1

ECCRINE GLANDS see under **SWEAT GLANDS**

ECDYSONE

ANALOGS & DERIVATIVES

Production of a new antiserum to arthropod molting hormone and comparison with two other antisera. Soumoff C, et al. J Steroid Biochem 1981 May;14(5):429–35

ANALYSIS

Radioimmunoassay of ecdysteroids. Delaage MA, et al. Methods Enzymol 1982;84 Pt D:350–8
Detection of ecdysteroids in the human trematode, Schistosoma mansoni. Torpier G, et al. Parasitology 1982 Feb;84(1):123–30

ANTAGONISTS & INHIBITORS

Effects of ecdysone on the metamorphosis and ecdysis prevention induced by precocene II in Rhodnius prolixus. Azambuja PD, et al. Gen Comp Endocrinol 1981 Sep; 45(1):100–4

BIOSYNTHESIS

The biosynthetic pathway of ecdysone: studies with vitellogenic ovaries of Locusta migratoria (Orthoptera). Hetru CC, et al. Mol Cell Endocrinol 1982 Apr; 26(1–2):51–80
Biosynthesis and inactivation of ecdysone during the pupal-adult development of the cabbage butterfly, Pieris brassicae L. Beydon P, et al. Steroids 1981 Dec; 38(6):633–50

IMMUNOLOGY

Production of a new antiserum to arthropod molting hormone and comparison with two other antisera. Soumoff C, et al. J Steroid Biochem 1981 May;14(5):429–35

METABOLISM

Ecdysteroid titer during larval—pupal—adult development of the tobacco hornworm, Manduca sexta. Bollenbacher WE, et al. Gen Comp Endocrinol 1981 Jul;44(3):302–6
Ecdysteroid levels during ovarian development and embryogenesis in the spider crab Acanthonyx lunulatus. Chaix JC, et al. Gen Comp Endocrinol 1982 May;47(1):7–14
Ecdysone metabolism in premolt land crabs (Gecarcinus lateralis). McCarthy JF. Gen Comp Endocrinol 1982 Jul; 47(3):323–32

PHARMACODYNAMICS

Molecular organization of a Drosophila puff site that responds to ecdysone. Meyerowitz EM, et al. Cell 1982 Jan;28(1):165–76
Cytogenetic analysis of the 2B3–4–2B11 region of the X chromosome of Drosophila melanogaster. II. Changes in 20-OH ecdysone puffing caused by genetic defects of puff 2B5. Belyaeva ES, et al. Chromosoma 1981;84(2):207–19
Isolation of a structural gene mapping to subregions 63F of Drosophila melanogaster and 90B of D. hydei polytene chromosomes. Izquierdo M, et al. Chromosoma 1981; 83(3):353–66

PHYSIOLOGY

Mutations induced by a hormonal imbalance in Drosophila melanogaster. l'Hélias C, et al. Mutat Res 1982 Mar; 93(1):125–48

SECRETION

Juvenile hormone and the development of ovarian responsiveness to a brain hormone in the mosquito, Aedes aegypti. Shapiro JP, et al. Gen Comp Endocrinol 1982 Feb; 46(2):176–83
[The circadian clock controlling the timing of gut purge and hormone release in the saturniid Samia cynthia ricini (author's transl)] Ishizaki H, et al. Tanpakushitsu Kakusan Koso 1982 Jan 5;27(2):416–29 (25 ref.) (Jpn)

THERAPEUTIC USE

[Hypocholesterolemic effect of phytoecdysones during experimental hypercholesterolemia in rats] Mironova VN, et al. Vopr Med Khim 1982 May–Jun;28(3):101–5 (Eng. Abstr.) (Rus)

ECDYSTERONE

ANALYSIS

Radioimmunoassay of ecdysteroids. Delaage MA, et al. Methods Enzymol 1982;84 Pt D:350–8

METABOLISM

Ecdysteroid titer during larval—pupal—adult development of the tobacco hornworm, Manduca sexta. Bollenbacher WE, et al. Gen Comp Endocrinol 1981 Jul;44(3):302–6
Ecdysteroid levels during ovarian development and embryogenesis in the spider crab Acanthonyx lunulatus. Chaix JC, et al. Gen Comp Endocrinol 1982 May;47(1):7–14

PHARMACODYNAMICS

The control of ecdysterone-regulated puffs in Drosophila salivary glands. Walker VK, et al. Cell 1981 Oct;26(2 Pt 2):269–77
Moulting hormone, juvenile hormone and the ultrastructure of the fat body of adult Sarcophaga bullata (Diptera). Stoppie P, et al. Cell Tissue Res 1981;221(2):233–44
The effect of 20-hydroxyecdysone on synthesis of chromosomal and cytosol proteins in imaginal discs. Hill RJ, et al. Dev Biol 1982 Apr;90(2):340–51
Catalase is induced by ecdysterone and ethanol in Drosophila cells. Best-Belpomme M, et al. Eur J Biochem 1982 Jan; 121(2):349–55
Chironomus tentans epithelial cell lines sensitive to ecdysteroids, juvenile hormone, insulin and heat shock. Wyss C. Exp Cell Res 1982 Jun;139(2):309–19
Ecdysterone, insulin and fly extract needed for the proliferation of normal Drosophila cells in defined medium. Wyss C. Exp Cell Res 1982 Jun;139(2):297–307
Ecdysteroid induction of cell surface contacts in a Drosophila cell line. Yudin AI, et al. J Exp Zool 1982 Feb 20; 219(3):399–403
Effect of ecdysterone treatment on the cyclic AMP-protein kinase system in adipose tissue. Catalan RE, et al. J Steroid Biochem 1982 Apr;16(4):573–6
Synthesis of low molecular weight heat shock peptides stimulated by ecdysterone in a cultured Drosophila cell line. Ireland RC, et al. Proc Natl Acad Sci USA 1982 Feb; 79(3):855–9
Hormonal regulation of a larval haemolymph protein in Drosophila. Jowett T, et al. Prog Clin Biol Res 1982;85 Pt A:373–80

ECHIDNA see under **MONOTREMATA**

ECHINACEA

ANALYSIS

[Non-specific increase of the body's own immunity by Echinacin administration] Schimmel KC, et al. Ther Ggw 1981 Nov;120(11):1065–76 (Ger)

ECHINOCOCCOSIS

[Problems of echinococcosis with consideration or parasitological and clinical aspects] Aktuel Probl Chir Orthop 1982;23:1–139 (Ger)
[Echinococcal cysts in the abdominal cavity] van der Horst W, et al. Med Klin 1981 Sep 11;76(19):529–33 (Ger)
[Echinococcal cyst of the popliteal region. Clinical case] Forteleoni G, et al. Chir Ital 1982 Jun;34(3):438–44 (Ita)

COMPLICATIONS

Hydatid cyst of the heart presenting as cerebral and cerebellar infarction. Chin DD, et al. Med J Aust 1981 Nov 14;2(10):556–7
Amyloidosis in experimental murine alveolar hydatidosis. Ali-Khan Z, et al. Trans R Soc Trop Med Hyg 1982; 76(2):169–71
[Metastatic pulmonary echinococcosis secondary to a primary cardiac lesion situated in the interventricular septum. One case successfully treated surgically (author's transl)] Bazelly B, et al. J Chir (Paris) 1982 Apr; 119(4):271–3 (Eng. Abstr.) (Fre)
[Complete atrioventricular block caused by single-chamber echinococcosis of the ventricular septum] Adil'gireeva LKh, et al. Grudn Khir 1981;(6):78–9 (Rus)
[Ossifluent hydatid abscesses acting as bilateral retroperitoneal cystic tumors] Santiago AM, et al. Actas Urol Esp 1981 Sep–Oct;5(5):309–12 (Eng. Abstr.) (Spa)
[Femoral embolism caused by rupture of a cardiac hydatid cyst. Presentation of a case and review of the literature] Bartolo M, et al. Angiologia 1981 Nov–Dec;33(6):341–4 (Eng. Abstr.) (Spa)
[Arterial embolism caused by hydatid cyst. Intracardiac hydatidosis] Padrón Archs W, et al. Angiologia 1981 Nov–Dec;33(6):322–4 (Eng. Abstr.) (Spa)
[Hepatic and bile duct hydatidosis] Hidalgo Pascual M, et al. Rev Esp Enferm Apar Dig 1981 Jun;59(6):671–80 (Eng. Abstr.) (Spa)

DIAGNOSIS

Cytologic detection of parasitic disorders. Kapila K, et al. Acta Cytol (Baltimore) 1982 May–Jun;26(3):359–62
Multiple primitive epidural spinal hydatid cysts: case report. Pluchino F, et al. Acta Neurochir (Wien) 1981; 59(3–4):257–62
Cardiac hydatid cyst diagnosed by two-dimensional echocardiography. Oliver JM, et al. Am Heart J 1982 Jul; 104(1):164–5
E.L.I.S.A. (enzyme-linked immunosorbent assay) for diagnosis of human hydatid disease. Dottorini S, et al. Boll Ist Sieroter Milan 1981 May;60(2):137–43
Obstetric and gynaecological presentations of hydatid disease. Rahman MS, et al. Br J Obstet Gynaecol 1982 Aug;89(8):665–70
Application of an enzyme-linked immunosorbent assay (ELISA) method to the diagnosis of human hydatidosis. Guisantes JA, et al. Bull Pan Am Health Organ 1981; 15(3):260–6
Evaluation of five immunodiagnostic techniques in echinococcosis patients. Chemtai AK, et al. Bull WHO 1981;59(5):767–72
Application of immunoelectrophoresis (IEP5) test in the diagnosis of human hydatid disease in Kenya. Chemtai AK, et al. East Afr Med J 1981 Aug;58(8):583–6
Echinococcosis of the spine and retroperitoneum: case report and review of the literature. Meyer E, et al. Henry Ford Hosp Med J 1982;30(1):11–13
A limited survey on human hydatidosis using Casoni test in Mansoura Hospitals, A.R.E. Abdel-Wahab F, et al. J Egypt Soc Parasitol 1981 Jun;11(1):213–7
A hydatid cyst of the neck. Gurtu JN. J Indian Med Assoc 1981 Apr;76(7–8):143, 146
Radiologic seminar CCXII: bone involvement in echinococcosis. Morano JU, et al. J Miss State Med Assoc 1981 Mar;22(3):55–7
Splenic cysts: (report of 2 cases and review of the literature). Desai MB, et al. J Postgrad Med 1981 Oct;27(4):251–2
Disseminated pelvic Echinococcosis simulating ovarian carcinomatosis: case report and review of pelvic hydatid disease. Milano CT, et al. Obstet Gynecol Surv 1981 Oct; 36(10):535–40 (30 ref.)
Hydatid disease. Report of 7 cases from Saudi Arabia with a review of the literature. Yu SC, et al. Taiwan I Hsueh Hui Tsa Chih 1982 Feb;81(2):262–80
Hydatid cysts in the pericardium- a new case and review of the literature. Cheng W. Thorac Cardiovasc Surg 1982 Feb;30(1):56–7
Intravital diagnosis of echinococcosis in men using immunological reactions. Zapart W. Wiad Parazytol 1980; 26(6):553–70
[Ultrasonic diagnosis for cerebral hydatid cyst—analysis of 18 cases (author's transl)] Liu DF. Chung Hua Shen Ching Ching Shen Ko Tsa Chih 1981 May; 13(2):121–2 (Chi)
[Hydatid cyst as a soft-tissue tumor] Gerdes U, et al. Ugeskr Laeger 1981 May 24;143(21):1334–5 (Eng. Abstr.) (Dan)
[Thin layer immunoassay (TIA). A rapid and simple method for the serodiagnosis of echinococcosis (author's transl)]

Ambroise-Thomas P, et al. **Ann Biol Clin (Paris)** 1982; 40(1):29–35 (Eng. Abstr.) **(Fre)**

[Pelvic hydatid cyst: atypical ultrasonographic findings in one case (author's transl)] Aimino R, et al. **J Radiol** 1982 Mar;63(3):197–9 (Eng. Abstr.) **(Fre)**

[The hydatid cyst of kidney in children. Report of 12 cases (author's transl)] Sayed S, et al. **J Urol (Paris)** 1982; 88(2):75–9 (Eng. Abstr.) **(Fre)**

[Hydatid cyst of the pancreas. One case (author's transl)] Gayral F, et al. **Nouv Presse Med** 1981 Dec 19; 10(46):3787–8 (Eng. Abstr.) **(Fre)**

[Pseudotuberculous hydatidosis of the peritoneum. Report of an autochthonous case (author's transl)] Doffoel M, et al. **Sem Hop Paris** 1982 Jan 28;58(4):246–9 **(Fre)**

[Rare abdominal and peritoneal localizations of hydatid cysts. Report on two cases (author's transl)] Karimi E. **Sem Hop Paris** 1981 Oct 8–15;57(37–38):1542–6 (Eng. Abstr.) **(Fre)**

[Clinical course and differential diagnosis of echinococcosis in man] Jenss H, et al. **Aktuel Probl Chir Orthop** 1982; 23:46–51 **(Ger)**

[Immunodiagnosis of echinococcosis] Mannweiler H. **Aktuel Probl Chir Orthop** 1982;23:56–60 **(Ger)**

[Sonography of echinococcosis] Pirschel J. **Aktuel Probl Chir Orthop** 1982;23:69–74 **(Ger)**

[Echinococcosis. Rational diagnosis and therapy] Mörl M. **Fortschr Med** 1982 Jun 24;100(24):1131–6 (Eng. Abstr.) **(Ger)**

[Quantitative standardization of the ELISA method in human hydatidosis.] Pauluzzi S, et al. **Boll Ist Sieroter Milan** 1981 May;60(2):144–9 **(Ita)**

[Cardiac echinococcosis. Two-dimensional echocardiographic diagnosis (author's transl)] Picchio E, et al. **G Ital Cardiol** 1981;11(9):1327–31 (Eng. Abstr.) **(Ita)**

[Comparative diagnostic efficacy of latex agglutination reaction and Casoni's test in echinococcosis and its recurrences] Gilevich IuS, et al. **Klin Khir** 1982 Mar; (3):34–7 **(Rus)**

[Effectiveness of different modifications of the immunoenzyme method with purified Alveococcus antigens in the diagnosis of alveolar hydatid disease. 2. The micromethod on slips] Ballad NE, et al. **Med Parazitol (Mosk)** 1982 Mar–Apr;60(2):15–20 (Eng. Abstr.) **(Rus)**

[Trial use of immunological reactions in the diagnosis of human and animal echinococcosis] Sagieva AT, et al. **Med Parazitol (Mosk)** 1982 Jan–Feb;51(1):73–5 (Eng. Abstr.) **(Rus)**

[Comparative effectiveness of an immunoenzyme reaction and the indirect hemagglutination reaction in diagnosing echinococcosis] Zorikhina VI, et al. **Med Parazitol (Mosk)** 1982 Mar–Apr;60(2):21–4 (Eng. Abstr.) **(Rus)**

[Echinococcosis of the heart] Košak M, et al. **Acta Chir Iugosl** 1981;28(2):277–80 (Eng. Abstr.) **(Scr)**

[Hydatid disease of the ovaries (author's transl)] Drobnjak P. **Lijec Vjesn** 1981 Nov;103(11):490–1 (Eng. Abstr.) **(Scr)**

[Retrovesicular hydatidosis in childhood. Possibilities of differential diagnosis] Virseda JA, et al. **Arch Esp Urol** 1981 May–Jun;34(3):207–16 (Eng. Abstr.) **(Spa)**

[Value of translumbar puncture in the diagnosis of renal hydatid cyst] Escudero Barrilero A, et al. **Rev Clin Esp** 1981 Sep 15;162(5):179–87 (Eng. Abstr.) **(Spa)**

[Hydatid cyst of the spleen. Study of 7 cases] Gil Grande R, et al. **Rev Clin Esp** 1981 Oct 15;163(1):41–2 (Eng. Abstr.) **(Spa)**

DRUG THERAPY

Mebendazole and alveolar hydatid disease. Wilson JF, et al. **Ann Trop Med Parasitol** 1982 Apr;76(2):165–73

Management of hydatid disease [letter] Ruben J. **Br J Hosp Med** 1981 Oct;26(4):434

Clinical pharmacokinetics of high dose mebendazole in patients treated for cystic hydatid disease. Braithwaite PA, et al. **Eur J Clin Pharmacol** 1982;22(2):161–9

Echinococcus granulosus: permeability of hydatid cysts to mebendazole in mice. Kammerer WS, et al. **Int J Parasitol** 1981 Jun;11(3):183–5

Treatment of hydatid cysts (Echinococcus granulosus) by Cetrimide (R). Frayha GJ, et al. **Trans R Soc Trop Med Hyg** 1981;75(3):447–50

Chemotherapy for larval echinococcosis in animals and humans: report of a workshop. Schantz PM, et al. **Z Parasitenkd** 1982;67(1):5–26 (112 ref.)

Echinococcus granulosus: the influence of mebendazole therapy on the ultrastructural morphology of the germinal layer of hydatid cysts in humans and mice. Verheyen A. **Z Parasitenkd** 1982;67(1):55–65

[Medical treatment for hydatidosis? (editorial)] Saimot AG. **Nouv Presse Med** 1981 Oct 24;10(38):3119–20 **(Fre)**

[Drug therapy of echinococcosis in humans with mebendazole] Ammann R, et al. **Aktuel Probl Chir Orthop** 1982;23:92–5 **(Ger)**

[Value of high-dosage mebendazole chemotherapy in echinococcosis] Kern P, et al. **Aktuel Probl Chir Orthop** 1982;23:104–5 **(Ger)**

ENZYMOLOGY

[Changes in the activity of blood and urine enzymes in cotton rats experimentally infected with larval alveococci] Dubinina GN, et al. **Med Parazitol (Mosk)** 1981 Sep–Oct; 50(5):21–4 (Eng. Abstr.) **(Rus)**

ETIOLOGY

[Hepatic echinococcal cyst penetrating the biliary tract and transverse colon] Sváb J, et al. **Rozhl Chir** 1981 Feb; 60(2):113–6 (Eng. Abstr.) **(Cze)**

IMMUNOLOGY

Some immunological findings in patients with hydatidosis or schistosomiasis. Nassir JK, et al. **Ann Trop Med Parasitol** 1982 Feb;76(1):71–6

Echinococcus multilocularis: immunoglobulin and antibody response in C57BL/6J mice. Ali-Khan Z, et al. **Exp Parasitol** 1982 Feb;53(1):97–104

Comparison of leucocyte migration inhibition and Casoni's skin tests in human hydatidosis. Shivananda PG, et al. **Indian J Med Res** 1981 Jan;73 Suppl:107–10

[Studies and clinical monitoring of immune complexes in echinococcal disease] La Ganga V, et al. **Minerva Med** 1982 Apr 28;73(18):1247–9 **(Ita)**

[Detection of circulating antigens in the blood serum of patients with echinococcosis, alveolar hydatid disease and trichinosis] Lelkina ES, et al. **Med Parazitol (Mosk)** 1982 Mar–Apr;60(2):7–15 (Eng. Abstr.) **(Rus)**

METABOLISM

Serum and cyst concentrations of mebendazole and flubendazole in hydatid disease. Morris DL, et al. **Br Med J [Clin Res]** 1982 Jul 17;285(6336):175

[Pharmacokinetic study of flubendazole in human hydatid disease caused by Echinococcus granulosus. Preliminary results (author's transl)] Saimot AG, et al. **Nouv Presse Med** 1981 Oct 24;10(38):3121–4 (Eng. Abstr.) **(Fre)**

OCCURRENCE

Echinococcus infections in Colombian animals. D'Alessandro A, et al. **Am J Trop Med Hyg** 1981 Nov;30(6):1263–76

Occurrence of hydatidosis in 'B' county. Panaitescu D, et al. **Arch Roum Pathol Exp Microbiol** 1981 Apr–Jun; 40(2):177–85

A three-–year review of human hydatid disease seen at the Kenyatta National Hospital. Okelo GB, et al. **East Afr Med J** 1981 Sep;58(9):695–8

Hydatid disease in man in the Negev region of Israel: a retrospective study of histologically proven cases 1970–1979. Gross EM, et al. **J Helminthol** 1981 Dec; 55(4):251–3

Hydatid disease at a peripheral hospital: a review of 25 years' experience. Civil ID, et al. **NZ Med J** 1981 Dec 23; 94(698):447–8

Comparison of three immunological tests for seroepidemiological purposes in human echinococcosis. Picardo NG, et al. **Parasite Immunol** 1981 Autumn; 3(3):191–9

[Echinococcosis in the Netherlands] van Knapen F, et al. **Ned Tijdschr Geneeskd** 1982 Jun 12;126(24):1105–6 **(Dut)**

[Hydatidosis in Provence and Corsica. Epidemiological survey] Dumon H, et al. **Bull Soc Pathol Exot Filiales** 1981 Jan–Feb;74(1):96–100 **(Fre)**

[Thoracic hydatidosis (2373 cases in 15 years] Biaz A, et al. **Maroc Med** 1981 Jun–Oct;3(2–3):639–48 (Eng. Abstr.) **(Fre)**

[Distribution of Echinococcus multilocularis in southwest Germany] Zeyhle E. **Aktuel Probl Chir Orthop** 1982; 23:26–33 **(Ger)**

[Human hydatidosis in the province of Sassari: epidemiological survey of the 1975–80 period] Mura I, et al. **Nuovi Ann Ig Microbiol** 1981 May–Jun;32(3):159–77 (Eng. Abstr.) **(Ita)**

[Distribution of alveolar hydatid disease among the world's population] Bregadze IL. **Khirurgiia (Mosk)** 1981 Dec; (12):81–3 (0 ref.) **(Rus)**

[Risk level conditioning factors of hydatid disease in the Province of Valdivia, Chile (author's transl)] Ernst S, et al. **Bol Chil Parasitol** 1980 Jul–Dec;35(3–4):75–6 (Eng. Abstr.) **(Spa)**

[The incidence of hydatidic disease in a general hospital. I. Epidemiological analysis of 1056 cases (author's transl)] Muñoz Sánchez JA, et al. **Med Clin (Barc)** 1982 May 16; 78(10):421–6 (Eng. Abstr.) **(Spa)**

PATHOLOGY

Hydatid cyst in the maxillofacial region. Shuker S. **J Oral Maxillofac Surg** 1982 Mar;40(3):171–4

Hydatid cyst of spleen. Shabbir G, et al. **JPMA** 1982 Apr; 32(4):108–9

[Primary multiple, simultaneous echinococcosis of the heart, pericardium and anterior and posterior mediastinum] Dimitrov D, et al. **Khirurgiia (Sofiia)** 1981;34(3):281–5 **(Bul)**

[Hydatid cyst of the leg: case report (author's transl)] Bourée P, et al. **Bull Soc Pathol Exot Filiales** 1982 Mar–Apr; 75(2):201–4 **(Fre)**

[Hydatid cysts with atypical location] Aguilar Luque J, et al. **Rev Esp Enferm Apar Dig** 1982 Feb;61(2):145–8 (Eng. Abstr.) **(Spa)**

PHYSIOPATHOLOGY

A rare case of cervical echinococcosis. Falivene R, et al. **J Neurosurg Sci** 1981 Jul–Dec;25(3–4):245–8

RADIOGRAPHY

Hydatid cysts of the spine. Giordano GB, et al. **J Comput Assist Tomogr** 1982 Apr;6(2):408–9

Mediastinal hydatid disease in childhood: CT documentation of response to treatment with mebendazole. Oppermann HC, et al. **J Comput Assist Tomogr** 1982 Feb;6(1):175–6

Case report. Renal echinococcosis. Petrillo G, et al. **J Comput Assist Tomogr** 1981 Dec;5(6):912–3

Multiple giant hydatid cysts of the brain. Case report. Sharma A, et al. **J Neurosurg** 1982 Sep;57(3):413–5

Intracranial and orbital hydatid cysts. Hamza R, et al. **Neuroradiology** 1982;22(4):211–4

Vertebral hydatid disease: radiological assessment. Braithwaite PA, et al. **Radiology** 1981 Sep;140(3):763–6

[The preoperative diagnosis of intracerebral hydatid cysts by scanner and its prognostic importance (author's transl)] Abbassioun K, et al. **Neurochirurgie** 1982;28(1):21–4 (Eng. Abstr.) **(Fre)**

[Computer tomographic diagnosis of echinococcosis] Hübener KH, et al. **Aktuel Probl Chir Orthop** 1982;23:75–9 **(Ger)**

[Conventional roentgendiagnosis of echinococcosis] Walther E. **Aktuel Probl Chir Orthop** 1982;23:61–8 **(Ger)**

[Rare localizations of Echinococcus cysticus] Köster O, et al. **ROFO** 1981 Sep;135(3):363–4 **(Ger)**

SURGERY

Calcified cerebral hydatid cyst. Alvarez F, et al. **Surg Neurol** 1982 Mar;17(3):163–4

Cerebral echinococciasis. Boles DM. **Surg Neurol** 1981 Oct; 16(4):280–2

[Echinococcosis of the heart] Dimitrov D, et al. **Khirurgiia (Sofiia)** 1981;34(4):313–9 (Eng. Abstr.) **(Bul)**

[Clinical analysis of 17 cases of cerebral echinococcosis (author's transl)] Shi XT. **Chung Hua Shen Ching Ching Shen Ko Tsa Chih** 1981 May; 13(2):98–100 **(Chi)**

[Clinical and therapeutic considerations on bone hydatidosis] Cozzolino F, et al. **Chir Organi Mov** 1979 Nov–Dec; 65(6):667–72 **(Ita)**

[A case of recurrent echinococcosis of the muscles] Benini P, et al. **Minerva Chir** 1982 May 15;37(9):845–52 **(Ita)**

[Surgical treatment of renal echinococcosis] Stojkovič J. **Urol Nefrol (Mosk)** 1981 Nov–Dec;(6):21–4 (Eng. Abstr.) **(Rus)**

TRANSMISSION

[Biology and epidemiology of Echinococcus granulosus and Echinococcus multilocularis] Frank W. **Aktuel Probl Chir Orthop** 1982;23:12–25 **(Ger)**

VETERINARY

Experimental infection on sheep and pigs with Echinococcus granulosus (Batsch, 1786), and the origin of pouching in hydatid cysts. Slais J. **Acta Vet Acad Sci Hung** 1981; 28(4):375–87

Echinococcosis in slaughtered reindeer (Rangifer tarandus) in northern Norway. Preliminary results of a combat/eradication program. Kummeneje K, et al. **Acta Vet Scand** 1981;22(3–4):592–3

Efficacy of praziquantel against immature Echinococcus multilocularis in dogs and cats. Andersen FL, et al. **Am J Vet Res** 1981 Nov;42(11):1978–9

Comparison of suitability of dogs and cats as hosts of Echinococcus multilocularis. Crellin JR, et al. **Am J Vet Res** 1981 Nov;42(11):1980–1

Hydatid cysts in the skeletal muscles of sheep. Aziz MA, et al. **Ann Trop Med Parasitol** 1981 Aug;75(4):467–8

The application of a food incorporating praziquantel in the treatment and control of Echinococcus granulosus infections in dogs [letter] Gemmell MA, et al. **Aust Vet J** 1982 Mar;58(3):120–1

Echinococcosis in cyprus: observations on the distribution by site of infection in sheep, cattle and goats [letter] Polydorou K. **Aust Vet J** 1982 Feb;58(2):75–6

Survey of equine hydatidosis in Great Britain. Cranley JJ. **Equine Vet J** 1982 Apr;14(2):153–7

Echinococcus granulosus cysts: early development in vitro in the presence of serum from infected sheep. Heath DD, et al. **Int J Parasitol** 1981 Aug;11(4):261–6

Immunization of sheep against cystic hydatidosis with homologous and heterologous metacestode antigens. Dada BJ, et al. **Int J Zoonoses** 1981 Jun;8(1):20–5

Experimental transmission of Echinococcus granulosus of 'camel-dog' origin to goats, sheep, cattle and donkeys. Dada BJ, et al. **Int J Zoonoses** 1981 Jun;8(1):33–43

Experience in northern Nigeria with countercurrent immunoelectrophoresis, double diffusion and indirect haemagglutination tests for diagnosis of hydatid cyst in camels. Dada BJ, et al. **J Helminthol** 1981 Sep; 55(3):197–202

Resistance to Echinococcus granulosus infection in lambs. Heath DD, et al. **J Parasitol** 1981 Dec;67(6):797–9

Murine hybridoma-derived antibodies in the processing of antigens for the immunodiagnosis of hydatid (Echinococcus granulosus) infection in sheep. Craig PS, et al.

Parasitology 1981 Oct;83(Pt 2):303–17
Observations on the epidemiology of equine hydatidosis in Britain. Edwards GT. **Vet Rec** 1982 May 29;110(22):511–4
[Echinococcosis] Eckert J.
Berl Munch Tierarztl Wochenschr 1981 Oct 1;94(19):369–78 (98 ref.) (Eng. Abstr.) **(Ger)**
[Canine echinococcosis in a rural area of Valdivia, Chile (author's transl)] Ernst S, et al. **Bol Chil Parasitol** 1980 Jul–Dec;35(3–4):76–8 (Eng. Abstr.) **(Spa)**
[Fertility of hydatid cysts in three animal species in Chile and the study of the viability of the scolices (author's transl)] González H, et al. **Bol Chil Parasitol** 1981 Jan–Jun; 36(1–2):14–9 (Eng. Abstr.) **(Spa)**

ECHINOCOCCOSIS, HEPATIC

COMPLICATIONS

Contribution of CT and ultrasound to the preoperative diagnosis of biliobronchial fistula caused by echinococcosis of the liver. Porta E, et al. **CT** 1981 Sep;5(4):349–50
Sclerosing cholangitis following the treatment of echinococcosis of the liver. Khodadadi DJ, et al.
Int Surg 1981 Oct–Dec;66(4):361–2
Double infection with Entamoeba histolytica and Echinococcus [letter] Petersen E, et al. **Lancet** 1982 May 15;1(8281):1132
Hepatobronchial fistula caused by hydatid disease. The Dunedin experience 1952–79. Borrie J, et al. **Thorax** 1981 Jan;36(1):25–8
Hydatid cyst of the liver with intrathoracic rupture. Xanthakis DS, et al. **Thorax** 1981 Jul;36(7):497–501
[Diagnostic and therapeutic problems in treating mechanical jaundice as a complication of hepatic echinococcosis] Gaidarski R, et al. **Khirurgiia (Sofiia)** 1981;34(4):364–8 (Eng. Abstr.) **(Bul)**
[Residual cavities in the liver after echinococcotomy] Manchev I. **Khirurgiia (Sofiia)** 1981;34(4):360–4 (Eng. Abstr.) **(Bul)**
[Hepatic echinococcal cyst penetrating the biliary tract and transverse colon] Svàb J, et al. **Rozhl Chir** 1981 Feb; 60(2):113–6 (Eng. Abstr.) **(Cze)**
[Hepatic hydatid cyst opening into the bile ducts and acute pancreatitis: etiopathogenic problems apropos of 3 cases] Mestiri S, et al. **Med Chir Dig** 1982;11(3):197–9 (Eng. Abstr.) **(Fre)**
[Hydatid cyst destruction of the superior biliary junction: apropos of 10 cases] Sassi S, et al. **Med Chir Dig** 1982; 11(3):193–4 (Eng. Abstr.) **(Fre)**
[Asthma and hydatic disease. Report of a case (author's transl)] Guérin JM, et al. **Poumon Coeur** 1982;38(1):43–5 (Eng. Abstr.) **(Fre)**
[Spontaneous rupture into the supra–renal inferior vena cava of a large posterior unilocular hydatid cyst] Boumghar M. **Praxis** 1982 Jun 15;71(24):1022–6 (Eng. Abstr.) **(Ger)**
[A case of empyema of the gallbladder adjacent to a suppurated echinococcal cyst] Celoria G, et al.
Arch E Maragliano Patol Clin 1980;36:67–8 **(Ita)**
[A case of perforated duodenal ulcer in echinococcal cyst of the liver] Cianci F, et al. **Minerva Chir** 1982 Mar 15; 37(5):359–62 **(Ita)**
[Relapsing parasitic embolism of the pulmonary artery in hepatic echinococcosis] Kovalenko VL, et al.
Arkh Patol 1981;43(9):64–7 (Eng. Abstr.) **(Rus)**
[Perforation of a stomach ulcer into an echinococcal cyst of the liver] Maksimov IuM, et al. **Khirurgiia (Mosk)** 1982 Jan;(1):105–6 **(Rus)**
[Rupture of a hepatic echinococcal cyst into the inferior vena cava in an 11–year–old boy] Rakhimov S, et al.
Vestn Khir 1981 Nov;127(11):93 **(Rus)**
[Uncommon complication of hepatic echinococcosis (author's transl)] Rudolf V, et al. **Bratisl Lek Listy** 1981 Oct; 76(4):508–12 (Eng. Abstr.) **(Slo)**
[Budd–Chiari syndrome caused by hepatic hydatid cyst (letter)] Martín Herrera L, et al. **Med Clin (Barc)** 1982 Jan 25;78(2):75–6 **(Spa)**
[Hepatic and bile duct hydatidosis] Hidalgo Pascual M, et al. **Rev Esp Enferm Apar Dig** 1981 Jun;59(6):671–80 (Eng. Abstr.) **(Spa)**

DIAGNOSIS

Pericystojejunostomy in the treatment of hydatid cysts of the liver. Sekar N, et al. **Aust NZ J Surg** 1982 Feb; 52(1):76–8
Echinococcosis presenting as a supraclavicular mass. Successful therapy with mebendazole. Azizi E, et al.
Clin Pediatr (Phila) 1982 Jun;21(6):372–4
[Diagnosis and treatment of suppurative echinococcal cysts of the liver] Stoianov G, et al. **Khirurgiia (Sofiia)** 1981; 34(6):530–5 (Eng. Abstr.) **(Bul)**
[The first case echinococcus multilocularis in Tunisia (author's transl)] Robbana M, et al.
Arch Anat Cytol Pathol 1981;29(5):311–2 (Eng. Abstr.) **(Fre)**
[Biliary complications of hepatic hydatid cysts. Echographic diagnosis] Abdeselem K, et al. **Med Chir Dig** 1982; 11(3):189–91 (Eng. Abstr.) **(Fre)**
[Hepatic hydatid cysts and icterus. Use of E.R.C.P.] Hamza H, et al. **Med Chir Dig** 1982;11(3):185–6 (Eng. Abstr.) **(Fre)**
[Differential diagnosis of liver echinococcosis using as example computer tomographic findings] Grabbe E. **Aktuel Probl Chir Orthop** 1982;23:80–1 **(Ger)**
[Echocardiographic findings in 2 cases of extracardiac mass] Ciociola G, et al. **Boll Soc Ital Cardiol** 1980;25(4):421–30 **(Ita)**
[Echo–angiographic correlations on hepatic hydatid cysts (author's transl)] Roversi R, et al. **Radiol Med (Torino)** 1981 Nov;67(11):815–22 **(Ita)**
[Ultrasonic liver study in echinococcosis] Tumol'skaia NI, et al. **Klin Med (Mosk)** 1982 Apr;60(4):58–62 (Eng. Abstr.) **(Rus)**
[Effectiveness of various modifications of the immunoenzyme method with purified Alveococcus multilocularis antigens in the diagnosis of human alveolar hydatid disease. I. The test tube micromethod] Ballad NE, et al.
Med Parazitol (Mosk) 1982 Jan–Feb;51(1):66–70 (Eng. Abstr.) **(Rus)**
[Clinical and morphological characteristics of variants in the course of human alveolar echinococcosis] Tumol'skaia NI, et al. **Med Parazitol (Mosk)** 1981 Sep–Oct;50(5):11–8 **(Rus)**
[Angioleiomyoma of lesser omentum stimulating liver echinococcosis] Abushakhmanov KhA, et al. **Vestn Khir** 1981 Dec;127(12):81–2 **(Rus)**

DRUG THERAPY

Treatment of hepatic hydatid disease with mebendazole: report of 16 cases. Okello GB, et al. **East Afr Med J** 1981 Aug;58(8):608–10
[Treatment of alveolar echinococcosis with flubendazole. Pharmacological study (author's transl)] Roche G, et al. **Pathol Biol (Paris)** 1982 Jun;30(6):452–7 (Eng. Abstr.) **(Fre)**
[4 years' clinical experience with mebendazole therapy of inoperable Echinococcus multilocularis or recurrence] Biedermann H. **Aktuel Probl Chir Orthop** 1982;23:98–9 **(Ger)**
[Fall in indirect hemagglutination titer (IHA), indirect immunofluorescence titer (IFA) and immunoglobulin (IgE) during 2 years' therapy with mebendazole in Echinococcus multilocularis of the liver] Härlin M, et al.
Aktuel Probl Chir Orthop 1982;23:108–10 **(Ger)**
[Drug therapy of inoperable Echinococcus multilocularis with mebendazole] Junge U, et al.
Aktuel Probl Chir Orthop 1982;23:100–3 **(Ger)**
[Successful mebendazole therapy in a case of liver echinococcosis with spontaneous perforation of the stomach] Klemm D. **Aktuel Probl Chir Orthop** 1982;23:96–7 **(Ger)**
[Therapy of Echinococcus multilocularis disease with mebendazole] Scholz A, et al. **Med Welt** 1981 Oct 9; 32(41):1541–4 **(Ger)**

IMMUNOLOGY

[False reactions in hydatic serology in order to improve its value (author's transl)] Petithory J, et al.
Bull Soc Pathol Exot Filiales 1981 Nov–Dec;74(6):685–92 (Eng. Abstr.) **(Fre)**

OCCURRENCE

Liver alveolar echinococcosis in the northwest: report of 15 patients and a collective analysis of 90 cases. Jiang CP. **Chin Med J [Engl]** 1981 Nov;94(11):771–8
[Alveolar echinococcal diseases outside known endemic areas] Kern P, et al. **Aktuel Probl Chir Orthop** 1982;23:34–5 **(Ger)**
[Epidemiology and prevention of alveolar echinococcosis] Müller B. **Aktuel Probl Chir Orthop** 1982;23:41–3 **(Ger)**

PATHOLOGY

[Formation of the parasite capsule and reactions of the surrounding tissue in echinococcosis] Rudina EV, et al. **Med Parazitol (Mosk)** 1981 Sep–Oct;50(5):18–21 **(Rus)**
[Atypical course of suppurative peritonitis in rupture of purulent hepatic echinococcosis] Kerimov GM, et al.
Vestn Khir 1982 Mar;128(3):88–90 **(Rus)**

RADIOGRAPHY

Diagnosis of intrabiliary rupture of hydatid cyst of the liver by fine–needle percutaneous transhepatic cholangiograhy. Farrelly C, et al. **Br J Radiol** 1982 May;55(653):372–4
A case of hydatid cyst ruptured towards the biliary tract and diagnosed with computerized tomography. Kelekis L, et al. **Comput Radiol** 1982 Mar–Apr;6(2):119–23
[Arteriography in liver hydatid cysts. Interest in the choice of surgical technique (author's transl)] Huguier M, et al. **J Chir (Paris)** 1981 Dec;118(12):697–700 (Eng. Abstr.) **(Fre)**
[Unusual localization of Echinococcus multilocularis] Himmelsbach KH, et al. **Aktuel Probl Chir Orthop** 1982; 23:125–7 **(Ger)**
[Angiography in liver echinococcosis] Schulze K.
Aktuel Probl Chir Orthop 1982;23:82–5 **(Ger)**
[Alveolar hydatid disease of the liver (author's transl)] Tada S. **Rinsho Hoshasen** 1981 May;26(5):619–20 **(Jpn)**
[X–ray and radioisotope studies in diagnosing hepatic echinococcosis] Gol'dfarb MG, et al.
Vestn Rentgenol Radiol 1981 Nov–Dec;(6):40–4 (Eng. Abstr.) **(Rus)**

SURGERY

Hypernatraemia after treatment of hydatid. Wanninayake HM, et al. **Br Med J [Clin Res]** 1982 May 1; 284(6325):1302–3
Pseudo–cystic patterns after removal of hydatid cysts involving the liver. Weill F, et al. **Eur J Radiol** 1981 Aug; 1(3):238–40
Operative procedures in the management of liver hydatidoses. Dugalić D, et al. **World J Surg** 1982 Jan; 6(1):115–8
[Echography in the follow–up of patients after surgery for hepatic echinococcosis] Grigorov N, et al. **Vutr Boles** 1982; 21(2):30–3 **(Bul)**
[A clinical study of 51 cases of hepatic alveolar hydatid disease (author's transl)] Ren ZY.
Chung Hua Wai Ko Tsa Chih 1981 Dec;19(12):760–2 (Eng. Abstr.) **(Chi)**
[Hydatid cysts of the liver] Donati D, et al.
Rev Med Suisse Romande 1981 Apr;102(4):379–87 **(Fre)**
[Case demonstration. The liver and echinococcosis multilocularis] Bustamante I. **Aktuel Probl Chir Orthop** 1982;23:122–4 **(Ger)**
[Surgical therapy of Echinococcus multilocularis of the liver] Kummer D, et al. **Aktuel Probl Chir Orthop** 1982;23:119–21 **(Ger)**
[Echinococcus granulosus infecting lung and liver. Report of a case (author's transl)] Sudo K, et al. **Kyobu Geka** 1982; 35(3):193–7 (Eng. Abstr.) **(Jpn)**
[Prevention of acute hepatic failure after surgical treatment of alveococcosis complicated by mechanical jaundice] Krylova NP, et al. **Khirurgiia (Mosk)** 1982 Jan;(1):69–72 (Eng. Abstr.) **(Rus)**
[Treatment of echinococcal cyst perforation into the biliary tracts] Saidov GS, et al. **Khirurgiia (Mosk)** 1981 Oct; (10):95–6 **(Rus)**
[Vascular isolation and perfusion of the liver in clinical practice] Granov AM, et al. **Vestn Khir** 1982 Apr; 128(4):44–8 **(Rus)**
[Nonstandard bile diversion operation in a female patient with hepatic alveolar hydatid disease] Krylova NP, et al.
Vestn Khir 1981 Oct;127(10):105–7 **(Rus)**
[Surgical treatment of central echinococcal cysts of the liver] Borčić V, et al. **Acta Chir Iugosl** 1982;29(1):47–53 (Eng. Abstr.) **(Scr)**
[Partial resection of the liver in the treatment of echinococcosis] Kostić V, et al. **Acta Chir Iugosl** 1981; 28(2):263–75 (Eng. Abstr.) **(Scr)**
[Changing patterns in the surgery of hepatic hydatidosis] Hidalgo Pascual M, et al. **Rev Esp Enferm Apar Dig** 1981 Sep;60(3):221–32 (Eng. Abstr.) **(Spa)**

THERAPY

[Role of intubation in the treatment of hepatic hydatidosis] Sierra Garcia A, et al. **Rev Esp Enferm Apar Dig** 1981 Dec;60(6):559–70 (Eng. Abstr.) **(Spa)**

VETERINARY

Characteristics of the larval Echinococcus vogeli Rausch and Bernstein, 1972 in the natural intermediate host, the paca, Cuniculus paca L. (Rodentia: Dasyproctidae). Rausch RL, et al. **Am J Trop Med Hyg** 1981 Sep;30(5):1043–52
The effect of mebendazole on sheep hydatid cysts as demonstrated by electron microscopy. Al–Dabagh MA, et al. **J Parasitol** 1981 Oct;67(5):709–12
Small fertile hydatid cysts in British horses. Edwards GT. **Vet Rec** 1981 May 23;108(21):460–1

ECHINOCOCCOSIS, PULMONARY

COMPLICATIONS

Bronchocentric granulomatosis and pulmonary echinococcosis. Den Hertog RW, et al.
Am Rev Respir Dis 1982 Aug;126(2):344–7
Concurrent hydatid disease and cryptococcosis in a 16–year–old girl. Dalgleish AG. **Med J Aust** 1981 Aug 8;2(3):144–5
[Pulmonary hydatid embolism of cardiac origin. 2 case reports] Morillo Pereña F, et al. **Rev Esp Cardiol** 1981; 34(3):241–4 (Eng. Abstr.) **(Spa)**

DIAGNOSIS

The cytologic diagnosis of hydatid disease. Vercelli–Retta J, et al. **Acta Cytol (Baltimore)** 1982 Mar–Apr;26(2):159–68
Paraspinous mass in a greek woman. Miller LK, et al.
Chest 1981 Dec;80(6):741–2
[Echographic aspects of pulmonary hydatid cysts in children. Review of seven cases (author's transl)] Meyer P, et al. **Ann Radiol (Paris)** 1982 Apr–May;25(4):249–53 (Eng. Abstr.) **(Fre)**
[Hydatid cysts of the lung treated surgically] Khalfallah A, et al. **Can J Surg** 1982 Jul;25(4):463–6 (Eng. Abstr.) **(Fre)**
[Atypical manifestations of autochthonous pulmonary hydatidosis: report of two cases (author's transl)] Allard P, et al. **Poumon Coeur** 1982;38(1):51–6 (Eng. Abstr.) **(Fre)**
[Ultrasonic diagnosis of spherical formations in the lungs] Koriakin VA, et al. **Probl Tuberk** 1982;(1):23–5 (Eng. Abstr.) **(Rus)**

DRUG THERAPY

Chemotherapy of alveolar echinococcosis. Comparison of plasma mebendazole concentrations in animals and man. Witassek F, et al. **Eur J Clin Pharmacol** 1981;20(6):427–33

[Cystic rupture in patients with lung echinococcosis undergoing mebendazole chemotherapy] Kern P, et al. **Aktuel Probl Chir Orthop** 1982;23:106–7 **(Ger)**

ETIOLOGY

[Metastatic pulmonary echinococcosis secondary to a primary cardiac lesion situated in the interventricular septum. One case successfully treated surgically (author's transl)] Bazelly B, et al. **J Chir (Paris)** 1982 Apr; 119(4):271–3 (Eng. Abstr.) **(Fre)**

PATHOLOGY

[Anaphylactoid reaction--a rare complication after fine needle biopsy of the lung (author's transl)] Stampfel G. **Radiologe** 1982 Jul;22(7):329–30 **(Ger)**

[Formation of the parasite capsule and reactions of the surrounding tissue in echinococcosis] Rudina EV, et al. **Med Parazitol (Mosk)** 1981 Sep–Oct;50(5):18–21 **(Rus)**

[Primary multiple pulmonary alveolar hydatid disease] Koliushko GI, et al. **Vrach Delo** 1982 Jun;(6):85–7 **(Rus)**

RADIOGRAPHY

Pulmonary and mediastinal hydatid disease. Sharma SK, et al. **Indian J Chest Dis Allied Sci** 1981 Oct–Dec;23(4):208–9

Radiologic problem of the month. Ovoid nodule in right lung. Subbarao K. **NY State J Med** 1982 Mar;82(3):335–6

[Pulmonary involvement of Echinococcus multilocularis] Treugut H. **Aktuel Probl Chir Orthop** 1982;23:86–9 (8 ref.) **(Ger)**

[Pleural echinococcosis] Kots EB, et al. **Vestn Rentgenol Radiol** 1982 Jan–Feb;(1):85–6 **(Rus)**

REHABILITATION

[Work rehabilitation of patients operated on for pulmonary echinococcosis] Gurbanaliev IG, et al. **Klin Med (Mosk)** 1982 Feb;60(2):22–4 (Eng. Abstr.) **(Rus)**

SURGERY

One-lung ventilation of children during surgical excision of hydatid cysts of the lung. Baraka A, et al. **Br J Anaesth** 1982 May;54(5):523–8

Surgical treatment of pulmonary hydatidosis. Ayuso LA, et al. **J Thorac Cardiovasc Surg** 1981 Oct;82(4):569–75

[Surgical management of complex pulmonary hydatid disease (author's transl)] Zhang SF. **Chung Hua Wai Ko Tsa Chih** 1981 Dec;19(12):724–6 (Eng. Abstr.) **(Chi)**

[Hydatid cysts of the lung treated surgically] Khalfallah A, et al. **Can J Surg** 1982 Jul;25(4):463–6 (Eng. Abstr.) **(Fre)**

[Bilateral thoracotomy. Indications and limitations] Serrano S, et al. **Minerva Chir** 1982 Feb 28;37(4):319–24 **(Ita)**

[Echinococcus granulosus infecting lung and liver. Report of a case (author's transl)] Sudo K, et al. **Kyobu Geka** 1982; 35(3):193–7 (Eng. Abstr.) **(Jpn)**

[Choice of surgical approach in pulmonary echinococcosis] Rzaev NM, et al. **Grudn Khir** 1982 May–Jun;(3):39–42 (Eng. Abstr.) **(Rus)**

VETERINARY

The effect of mebendazole on sheep hydatid cysts as demonstrated by electron microscopy. Al-Dabagh MA, et al. **J Parasitol** 1981 Oct;67(5):709–12

ECHINOCOCCUS

ANATOMY & HISTOLOGY

Characteristics of the larval Echinococcus vogeli Rausch and Bernstein, 1972 in the natural intermediate host, the paca, Cuniculus paca L. (Rodentia: Dasyproctidae). Rausch RL, et al. **Am J Trop Med Hyg** 1981 Sep;30(5):1043–52

Characterization of experimentally raised Echinococcus granulosus of 'camel-dog' origin. Dada BJ. **Int J Zoonoses** 1981 Jun;8(1):44–50

CLASSIFICATION

Intraspecific variation in Echinococcus granulosus: the Australian situation and perspectives for the future. Thompson RC, et al. **Trans R Soc Trop Med Hyg** 1982; 76(1):13–6 (33 ref.)

DRUG EFFECTS

Effect of praziquantel on adult Echinococcus granulosus in vitro: scanning electron microscopy. Conder GA, et al. **Z Parasitenkd** 1981;66(2):191–9

GROWTH & DEVELOPMENT

Experimental infection on sheep and pigs with Echinococcus granulosus (Batsch, 1786), and the origin of pouching in hydatid cysts. Slais J. **Acta Vet Acad Sci Hung** 1981; 28(4):375–87

Echinococcus granulosus cysts: early development in vitro in the presence of serum from infected sheep. Heath DD, et al. **Int J Parasitol** 1981 Aug;11(4):261–6

[Animal experiment studies on the development of Echinococcus multilocularis] Bosch D. **Aktuel Probl Chir Orthop** 1982;23:36–40 **(Ger)**

[Biology and epidemiology of Echinococcus granulosus and Echinococcus multilocularis] Frank W. **Aktuel Probl Chir Orthop** 1982;23:12–25 **(Ger)**

IMMUNOLOGY

Echinococcus multilocularis: immunoglobulin and antibody response in C57BL/6J mice. Ali-Khan Z, et al. **Exp Parasitol** 1982 Feb;53(1):97–104

Immune recognition of Echinococcus granulosus. 1. Parasite-activated, primary transformation by normal murine lymph node cells. Dixon JB, et al. **Parasite Immunol** 1982 Jan;4(1):33–45

[Serological cross-reactions between Echinococcus multilocularis and Dipetalonema viteae infected rodents (author's transl)] Hinz E, et al. **Tropenmed Parasitol** 1981 Dec;32(4):247–9 (Eng. Abstr.) **(Ger)**

[Effectiveness of various modifications of the immunoenzyme method with purified Alveococcus multilocularis antigens in the diagnosis of human alveolar hydatid disease. I. The test tube micromethod] Ballad NE, et al. **Med Parazitol (Mosk)** 1982 Jan–Feb;51(1):66–70 (Eng. Abstr.) **(Rus)**

[Effectiveness of different modifications of the immunoenzyme method with purified Alveococcus antigens in the diagnosis of alveolar hydatid disease. 2. The micromethod on slips] Ballad NE, et al. **Med Parazitol (Mosk)** 1982 Mar–Apr;60(2):15–20 (Eng. Abstr.) **(Rus)**

[Detection of circulating antigens in the blood serum of patients with echinococcosis, alveolar hydatid disease and trichinosis] Lelkina ES, et al. **Med Parazitol (Mosk)** 1982 Mar–Apr;60(2):7–15 (Eng. Abstr.) **(Rus)**

METABOLISM

Echinococcus granulosus: permeability of hydatid cysts to mebendazole in mice. Kammerer WS, et al. **Int J Parasitol** 1981 Jun;11(3):183–5

Water and electrolyte balance in protoscoleces of Echinococcus granulosus incubated in vitro: general procedures for the determination of water, sodium, potassium and chloride in protoscoleces. Reisin IL, et al. **Int J Parasitol** 1981 Oct;11(5):399–404

Water and electrolyte balance in protoscoleces of Echinococcus granulosus incubated in vitro: effect of metabolic inhibitors. Reisin IL, et al. **Int J Parasitol** 1981 Oct;11(5):405–10

Intermediary carbohydrate metabolism in protoscoleces of Echinococcus granulosus (horse and sheep strains) and E. multilocularis. McManus DP, et al. **Parasitology** 1982 Apr; 84(Pt 2):351–66

PHYSIOLOGY

Comparison of suitability of dogs and cats as hosts of Echinococcus multilocularis. Crellin JR, et al. **Am J Vet Res** 1981 Nov;42(11):1980–1

ULTRASTRUCTURE

On the nature of the proglottids of cestodes: a light and electron microscopic study on Taenia, Hymenolepis, and Echinococcus. Mehlhorn H, et al. **Z Parasitenkd** 1981; 65(3):243–59

Echinococcus granulosus: the influence of mebendazole therapy on the ultrastructural morphology of the germinal layer of hydatid cysts in humans and mice. Verheyen A. **Z Parasitenkd** 1982;67(1):55–65

ECHINODERMATA

[Spectrophotometric determination of the stichoposide A from the holothurian Stichopus japonicus S] Aminin DL, et al. **Antibiotiki** 1981 Aug;26(8):585–9 (Eng. Abstr.) **(Rus)**

CYTOLOGY

The giant neurone system in Ophiuroids. II. The hyponeural motor tracts. Stubbs TR, et al. **Cell Tissue Res** 1981; 220(2):373–85

Microinjection of echinoderm eggs: apparatus and procedures. Kiehart DP. **Methods Cell Biol** 1982;25 Pt B:13–31

PHYSIOLOGY

The giant neurone system in Ophiuroids. I. The general morphology of the radial nerve cords and circumoral nerve ring. Cobb JL, et al. **Cell Tissue Res** 1981;219(1):197–207

The stiffness change of the holothurian dermis caused by chemical and electrical stimulation. Motokawa T. **Comp Biochem Physiol [C]** 1981;70(1):41–8

Jelly coat and induction of the acrosome reaction in echinoid sperm. SeGall GK, et al. **Dev Biol** 1981 Aug;86(1):87–93

[Unusual way of regenerating intestinal epithelium during seasonal intestinal transformation in Stichopus japonicus holothurians (possibility of an 'external cambium')] Leibson NL. **Arkh Anat Gistol Embriol** 1982 Jan;82(1):74–80 (Eng. Abstr.) **(Rus)**

ULTRASTRUCTURE

Biomineralization on crinoid echinoderms. Characterization of crinoid skeletal elements using TEM and STEM microanalysis. Blake DF, et al. **Scan Electron Microsc** 1981; (Pt 3):321–8

ECHINOMYCIN see under **QUINOXALINES**

ECHINOSTOMA

IMMUNOLOGY

Further studies on resistance to Fasciola hepatica and Echinostoma revolutum in mice infected with Schistosoma sp. Christensen NO, et al. **Z Parasitenkd** 1981;65(3):293–8

PHYSIOLOGY

Selective interference with granulocyte function induced by Echinostoma paraensei (Trematoda) larvae in Biomphalaria glabrata (Mollusca). Lie KJ, et al. **J Parasitol** 1981 Dec; 67(6):790–6

[Experimental study of the life cycle of Echinostoma togoensis n. sp., a larval parasite of Biomphalaria pfeifferi in Togo (author's transl)] Jourdane J, et al. **Ann Parasitol Hum Comp** 1981;56(5):477–88 (Eng. Abstr.) **(Fre)**

ECHINOSTOMIASIS see under **TREMATODE INFECTIONS**

ECHO VIRUSES see **ECHOVIRUSES**

ECHOCARDIOGRAPHY

Echocardiographic pitfalls in the diagnosis of pulmonary hypertension. Dolara A, et al. **Acta Cardiol (Brux)** 1981; 36(6):451–3

Echocardiographic aspects of cardiac amyloidosis. Piérard L, et al. **Acta Cardiol (Brux)** 1981;36(6):455–61

Comparison of left ventricular ejection fraction assessed by radionuclide angiocardiography, echocardiography and contrast angiocardiography. Albrechtsson U, et al. **Acta Med Scand** 1982 May;211(3):147–52

Contrast echocardiography: the descending thoracic aorta and the left atrial posterior wall in neonates. Ryssing E. **Acta Paediatr Scand** 1981 Sep;70(5):735–8

Echocardiographic features of congestive cardiomyopathy in Nigerians. Adesanya CO, et al. **Afr J Med Med Sci** 1980 Mar–Jun;9(1–2):63–8

Echocardiographic studies in anaemic patients before and after blood transfusions. Gupta RC, et al. **Age Ageing** 1982 May;11(2):116–20

Echocardiography in elderly patients with systolic murmurs. Sainsbury R, et al. **Age Ageing** 1981 Nov;10(4):225–30

Two-dimensional echocardiographic detection of arrhythmogenic right ventricular dysplasia. Baran A, et al. **Am Heart J** 1982 Jun;103(6):1066–7

Two-dimensional echocardiographic features of ventricular septal aneurysm paradoxically bulging into the left ventricular outflow tract. Barron JV, et al. **Am Heart J** 1982 Jul;104(1):156–8

Primary benign intramural ventricular tumors in children: pre- and postoperative electrocardiographic, echocardiographic, and angiocardiographic evaluation. Biancaniello TM, et al. **Am Heart J** 1982 May;103(5):852–7

Role of two-dimensional echocardiography in the evaluation of patients with ventricular septal rupture postmyocardial infarction. Bishop HL, et al. **Am Heart J** 1981 Dec;102(6 Pt 1):965–71

Acute effects of hemodialysis on echographic-determined cardiac performance: improved contractility resulting from serum increased calcium with reduced potassium despite hypovolemic-reduced cardiac output. Chaignon M, et al. **Am Heart J** 1982 Mar;103(3):374–8

Diastolic prolapse in the flail mitral valve syndrome: a new observation providing differentiation from the mitral valve prolapse syndrome. Cherian G, et al. **Am Heart J** 1982 Jun;103(6):1074–5

Diagnostic accuracy of M-mode echocardiography in active infective endocarditis and prognostic implications of ultrasound-detectable vegetations. Come PC, et al. **Am Heart J** 1982 May;103(5):839–47

M-mode echogram in differential diagnosis of VT vs SVT with aberration [letter] Curione M, et al. **Am Heart J** 1982 Jun;103(6):1084

Quantification of left ventricular function by two-dimensional echocardiography: consideration of factors restricting image quality. Geiser EA, et al. **Am Heart J** 1982 May;103(5):905–10

Range gated echo-Doppler velocity and turbulence mapping in patients with valvular aortic stenosis. Goldberg SJ, et al. **Am Heart J** 1982 May;103(5):858–63

Immediate detection of early high-risk patients with acute myocardial infarction using two-dimensional echocardiographic evaluation of left ventricular regional wall motion abnormalities. Horowitz RS, et al. **Am Heart J** 1982 May;103(5):814–22

Utility of two-dimensional echocardiography in the differential diagnosis of the etiology of aortic regurgitation. Imaizumi T, et al. **Am Heart J** 1982 May;103(5):887–96

Echographic features of posterior left ventricular wall pseudoaneurysm due to Escherichia coli endocarditis.

Kessler KM, et al. **Am Heart J** 1982 Jan;103(1):139–42

Complementary roles of two-dimensional echocardiography and radionuclide ventriculography in ventricular pseudoaneurysm diagnosis. Levy R, et al. **Am Heart J** 1981 Dec;102(6 Pt 1):1066–9

Radionuclide angiographic exercise left ventricular performance in chronic aortic regurgitation: relationship to resting echographic ventricular dimensions and systolic wall stress index. Lewis SM, et al. **Am Heart J** 1982 Apr; 103(4 Pt 1):498–504

Two-dimensional echocardiographic identification of intracardiac leiomyomatosis. Maurer G, et al. **Am Heart J** 1982 May;103(5):915–7

Two-dimensional echocardiographic features diagnostic of isolated pulmonic valve endocarditis. Mehlman DJ, et al. **Am Heart J** 1982 Jan;103(1):137–9

Echographic-quantified severity of mitral anulus calcification: prognostic correlation to related hemodynamic, valvular, rhythm, and conduction abnormalities. Mellino M, et al. **Am Heart J** 1982 Feb; 103(2):222–5

Two-dimensional echocardiographic detection and diagnostic features of left ventricular papillary fibroelastoma. Ong LS, et al. **Am Heart J** 1982 May; 103(5):917–8

Two-dimensional echocardiographic evaluation of mitral bioprosthetic function in infants and children. Perry LW, et al. **Am Heart J** 1981 Dec;102(6 Pt 1):1022–8

Determination of left ventricular ejection fraction by visual estimation during real-time two-dimensional echocardiography. Rich S, et al. **Am Heart J** 1982 Sep; 104(3):603–6

Two-dimensional echocardiographic detection of circulating right atrial thrombi. Rosenzweig MS, et al. **Am Heart J** 1982 Mar;103(3):435–6

Pericardiocentesis induced intrapericardial thrombus: detection by two-dimensional echocardiography. Schuster AH, et al. **Am Heart J** 1982 Aug;104(2 Pt 1):308–11

Serial echographic development of apparent hypertrophic cardiomyopathy with biventricular outflow obstruction: documentation in Hemophilus influenzae pericarditis during hypovolemia. Sheikh MU, et al. **Am Heart J** 1981 Dec;102(6 Pt 1):1069–71

Echocardiographic diagnosis of aortic root dissection by M-mode and two-dimensional techniques. Smuckler AL, et al. **Am Heart J** 1982 May;103(5):897–904

Noninvasive detection of ventricular aneurysm by combined two-dimensional echocardiography and equilibrium radionuclide angiography. Sorensen SG, et al. **Am Heart J** 1982 Jul;104(1):145–52

Two-dimensional echocardiographic measurement of left ventricular ejection fraction: prospective analysis of what constitutes an adequate determination. Stamm RB, et al. **Am Heart J** 1982 Jul;104(1):136–44

Phonographic-echographic documentation of systolic honk in triscupid prolapse. Tei C, et al. **Am Heart J** 1982 Feb; 103(2):294–5

Assessment of tricuspid regurgitation by directional analysis of right atrial systolic linear reflux echoes with contrast M-mode echocardiography. Tei C, et al. **Am Heart J** 1982 Jun;103(6):1025–30

Preclinical abnormal segmental cardiac manifestations of thalassemia major in children on transfusion-chelation therapy: echographic alterations of left ventricular posterior wall contraction and relaxation patterns. Valdes-Cruz LM, et al. **Am Heart J** 1982 Apr;103(4 Pt 1):505–11

Effects of respiration on an atrial septal aneurysm of the fossa ovale shown by echographic study. Vandenbossche JL, et al. **Am Heart J** 1982 May;103(5):922–3

Echocardiographic study of abnormal position and motion of the posterobasal wall of the left ventricle in cases of giant left atrium. Beppu S, et al. **Am J Cardiol** 1982 Feb 1;49(2):467–72

Limitations of echocardiographic techniques in evaluation of left atrial masses. Come PC, et al. **Am J Cardiol** 1981 Nov;48(5):947–53

Two dimensional echocardiographic detection of intraatrial masses. DePace NL, et al. **Am J Cardiol** 1981 Nov; 48(5):954–60

Late effects of acute infarct dilation on heart size: a two dimensional echocardiographic study. Erlebacher JA, et al. **Am J Cardiol** 1982 Apr 1;49(5):1120–6

Future applications for the evaluation of ventricular function using echocardiography. Feigenbaum H. **Am J Cardiol** 1982 Apr 1;49(5):1330–6

Introduction: echocardiographic evaluation of ventricular function: an overview. Feigenbaum H, et al. **Am J Cardiol** 1982 Apr 1;49(5):1311–2

Echocardiographic measures in 6 to 7 year old children after an 8 month exercise program. Geenen DL, et al. **Am J Cardiol** 1982 Jun;49(8):1990–5

Left atrial volume overload in mitral regurgitation: a two dimensional echocardiographic study. Gehl LG, et al. **Am J Cardiol** 1982 Jan;49(1):33–8

Value of early two dimensional echocardiography in patients with acute myocardial infarction. Gibson RS, et al. **Am J Cardiol** 1982 Apr 1;49(5):1110–9

Evaluation of ventricular function using two dimensional echocardiography. Henry WL. **Am J Cardiol** 1982 Apr 1;49(5):1319–23

False diagnosis of subpulmonary obstruction by echocardiography in d-transposition of the great arteries. Johnson GL, et al. **Am J Cardiol** 1982 Jun;49(8):1984–9

Quantitation and significance of horizontal cardiac motion in M mode and two dimensional echocardiography. Kessler KM, et al. **Am J Cardiol** 1982 Sep;50(3):520–34

Importance of preoperative hypertrophy, wall stress and end-systolic dimension as echocardiographic predictors of normalization of left ventricular dilatation after valve replacement in chronic aortic insufficiency. Kumpuris AG, et al. **Am J Cardiol** 1982 Apr 1;49(5):1091–100

Tissue acoustic properties of fresh left ventricular thrombi and visualization by two dimensional echocardiography: experimental observations. Mikell FL, et al. **Am J Cardiol** 1982 Apr 1;49(5):1157–65

Comparison of noninvasive techniques in evaluation of the nontissue cardiac valve prosthesis. Mintz GS, et al. **Am J Cardiol** 1982 Jan;49(1):39–44

Evaluation of ventricular function using Doppler echocardiography. Pearlman AS. **Am J Cardiol** 1982 Apr 1;49(5):1324–30

M mode echocardiographic assessment of left ventricular function. Popp RL. **Am J Cardiol** 1982 Apr 1;49(5):1312–8

Two dimensional echocardiography in evaluation of right atrial masses: five cases in pediatric patients. Riggs T, et al. **Am J Cardiol** 1981 Nov;48(5):961–6

Two dimensional echocardiography and intravenous digital video subtraction angiography for diagnosis and evaluation of double aortic arch. Sahn DJ, et al. **Am J Cardiol** 1982 Aug;50(2):342–6

Echocardiography and congenital arteriovenous malformations [letter] Sapire DW, et al. **Am J Cardiol** 1982 Apr 1;49(5):1375

Limitations of comparing left ventricular volumes by two dimensional echocardiography, myocardial markers and cineangiography. Schnittger I, et al. **Am J Cardiol** 1982 Sep;50(3):512–9

Catenoidal shape of the interventricular septum in idiopathic hypertrophic subaortic stenosis: two dimensional echocardiographic confirmation. Silverman KJ, et al. **Am J Cardiol** 1982 Jan;49(1):27–32

Two dimensional echocardiographic diagnosis of aortic dissection. Victor MF, et al. **Am J Cardiol** 1981 Dec; 48(6):1155–9

Echocardiographic-cineangiographic correlation in detecting left ventricular aneurysm: a prospective study of 422 patients. Visser CA, et al. **Am J Cardiol** 1982 Aug; 50(2):337–41

Estimation of right ventricular volume with two dimensional echocardiography. Watanabe T, et al. **Am J Cardiol** 1982 Jun;49(8):1946–53

Relation of time course of plasma nitroglycerin levels to echocardiographic, arterial pressure and heart rate changes after sublingual administration of nitroglycerin. Wei JY, et al. **Am J Cardiol** 1981 Oct;48(4):778–82

Partial absence of the left pericardium. Diagnosis by two-dimensional echocardiography. Rowland TW, et al. **Am J Dis Child** 1982 Jul;136(7):628–30

Cardiac function in Duchenne's muscular dystrophy. Results of 10-year follow-up study and noninvasive tests. Hunsaker RH, et al. **Am J Med** 1982 Aug;73(2):235–8

Cardiac catheterization under echocardiographic control in a pregnant woman. Meltzer RS, et al. **Am J Med** 1981 Sep;71(3):481–4

Multiple bilateral myxomas demonstrated by two-dimensional echocardiography. Tway KP, et al. **Am J Med** 1981 Nov;71(5):896–9

Role of echocardiography in detecting the anatomic and physiologic abnormalities of constrictive pericarditis. Chandraratna PA, et al. **Am J Med Sci** 1982 May-Jun; 283(3):141–6

Case report: echocardiographic observations in patients with Friedreich's ataxia. Weiss E, et al. **Am J Med Sci** 1981 Nov-Dec;282(3):136–40

The role of echocardiography in fetal cardiac arrhythmias. Hawrylyshyn PA, et al. **Am J Obstet Gynecol** 1981 Sep 15;141(2):223–5

Comparative study of the echocardiographic findings in hypertensive and nonhypertensive cardiomyopathy. Agatston A, et al. **Angiology** 1982 Jan;33(1):17–32

M-mode echocardiographic failure to consistently identify the equally bicuspid aortic valve: correlation with orifice-view aortography. Folger GM Jr, et al. **Angiology** 1982 Feb;33(2):111–8

Study of left ventricular function by echocardiography. Gibson DG. **Ann Acad Med Singapore** 1981 Oct;10(4 Suppl):110–4

Echocardiography and paradoxical embolism [letter] Cheng TO. **Ann Intern Med** 1981 Oct;95(4):515

Severe aortic insufficiency. An echocardiographic diagnosis. Agarwal SK, et al. **Arch Intern Med** 1982 Sep;142(9):1625–8

Postoperative diastolic murmur. Andrews DF 3d, et al. **Arch Intern Med** 1982 May;142(5):1009–10

Right ventricular failure in a young man after chest trauma. Bardy GH, et al. **Arch Intern Med** 1982 Mar;142(3):615–6

New heart murmur and fever in a patient with systemic lupus erythematosus. Bomalaski J, et al. **Arch Intern Med** 1982 Apr;142(4):823–4

Contrast echocardiography in a patient with suspected cardiomyopathy. McWatters JW, et al. **Arch Intern Med** 1982 Jun;142(6):1203–4

Increasing murmur in a patient with cancer. Mehlman DJ. **Arch Intern Med** 1982 Sep;142(9):1705–6

Echocardiographic assessment and systolic time interval measurements in the evaluation of severe hypertension in Nigerian Africans. Adesanya CO, et al. **Aust NZ J Med** 1981 Aug;11(4):364–9

Pseudoaneurysm of the left ventricle diagnosed by two dimensional echocardiography. Lee L, et al. **Aust NZ J Med** 1982 Feb;12(1):56–9

The echocardiographic assessment of cardiomyopathy: diagnosis, classification and problems. Leitl GP, et al. **Aust NZ J Med** 1981 Aug;11(4):394–400

Early detection of aortic dilatation in ankylosing spondylitis using echocardiography. Thomas D, et al. **Aust NZ J Med** 1982 Feb;12(1):10–3

Two dimensional echocardiography: evaluation of a heart murmur. Rivera I, et al. **Bol Asoc Med PR** 1981 May; 73(5):248–9

Echocardiographic detection of subvalvar aortic root aneurysm extending to mitral valve annulus as complication of aortic valve endocarditis. Griffiths BE, et al. **Br Heart J** 1982 Apr;47(4):392–6

Two dimensional echocardiographic diagnosis of situs. Huhta JC, et al. **Br Heart J** 1982 Aug;48(2):97–108

Reliability and clinical relevance of detection of vegetations by echocardiography in bacterial endocarditis. Mills P. **Br Heart J** 1982 Jul;48(1):83–4

Echocardiography in Löffler's endocarditis. Rodger JC, et al. **Br Heart J** 1981 Jul;46(1):110–2

Hydraulic orifice formula for echographic measurement of the mitral valve area in stenosis. Application to M-mode echocardiography and correlation with cardiac catheterisation. Seitz WS, et al. **Br Heart J** 1981 Jul; 46(1):41–6

Two-dimensional echocardiographic assessment of common atrioventricular valves in univentricular hearts. Smallhorn JF, et al. **Br Heart J** 1981 Jul;46(1):30–4

Assessment of atrioventricular septal defects by two dimensional echocardiography. Smallhorn JF, et al. **Br Heart J** 1982 Feb;47(2):109–21

Extra echo spaces: ultrasonography and computerised tomography correlations. Wada T, et al. **Br Heart J** 1982 May;47(5):430–8

M-mode ultrasonic assessment of fetal cardiovascular dynamics. Wladimiroff JW, et al. **Br J Obstet Gynaecol** 1981 Dec;88(12):1241–5

Assessment of left ventricular function by synchronous echocardiography and apex cardiography. Martin CJ, et al. **Br J Radiol** 1982 May;55(653):342–51

Comparison of echocardiographic features of cardiac hypertrophy and hemodynamics in cardiomyopathy of hypertrophic type and hypertensive heart disease. Sonotani N. **Bull Osaka Med Sch** 1980 Oct;26(2):67–80

Echocardiography in unstable angina. Nixon JV, et al. **Cardiology** 1981;68(2):80–90

Echocardiography in the elderly. Hess TR, et al. **Cardiovasc Clin** 1981;12(1):95–104

Diagnosis of aortico-pulmonary window by two-dimensional echocardiography. Donaldson RM, et al. **Cathet Cardiovasc Diagn** 1982;8(2):185–9

Two-dimensional echocardiographic assessment of left ventricular stroke volume: experimental correlation with thermodilution and cineangiography in normal and ischemic states. Gueret P, et al. **Cathet Cardiovasc Diagn** 1981;7(3):247–58

Echocardiographic diagnosis of right ventricular hypertrophy: correlation with ECG and necropsy findings in 248 patients. Prakash R. **Cathet Cardiovasc Diagn** 1981; 7(2):179–84

Echocardiographic findings in a case of acquired pulmonic stenosis from extrinsic compression by a mediastinal cyst. Baduini G, et al. **Chest** 1981 Oct;80(4):507–9

Echocardiographic findings in endomyocardial fibrosis. Candell-Riera J, et al. **Chest** 1982 Jul;82(1):88–90

Pericardial disease in familial Mediterranean fever: an echocardiographic study. Dabestani A, et al. **Chest** 1982 May;81(5):592–5

Echocardiographic and phonocardiographic assessment of the St. Jude cardiac valve prosthesis. DePace NL, et al. **Chest** 1981 Sep;80(3):272–7

Patterns of left ventricular adaptation in borderline and mild essential hypertension. Echocardiographic findings. Dreslinski GR, et al. **Chest** 1981 Nov;80(5):592–5

Echocardiographic diastolic flutter of the pulmonary valve in isolated patent ductus arteriosus. Fisher EA, et al. **Chest** 1982 Jan;81(1):74–7

Usefulness of two-dimensional echocardiography for detection of ventricular septal aneurysm with perforation after acute inferior myocardial infarction. Gibson RS, et al. **Chest** 1982 Jan;81(1):115–8

Partial atrioventricular canal in association with Ebstein's anomaly. Echocardiographic diagnosis and surgical correction. Handler JB, et al. **Chest** 1981 Oct;80(4):515–7

Pulsus alternans. Echocardiographic evidence of reduced venous return and alternating end-diastolic fiber length as causative factors. Lee YC, et al. **Chest** 1981 Dec; 80(6):756–9

A simple echocardiographic method to detect atrioventricular dissociation. A useful aid in the differential diagnosis of regular tachycardia with wide QRS complexes. Manyari DE, et al. **Chest** 1982 Jan;81(1):67–73

Echocardiographic findings in pheochromocytoma [letter] Mardini MK. **Chest** 1982 Mar;81(3):394–5

The effect of amyl nitrite on the mitral valve echocardiogram

in presumably healthy young adults. Morise AP, et al. **Chest** 1982 Apr;81(4):483–7

Spontaneous dissection of the ascending aorta diagnosed by two-dimensional echocardiography. Rubenson DS, et al. **Chest** 1981 Nov;80(5):587–91

Echocardiographic diagnosis of a discrete membranous subaortic stenosis with aneurysm of the membrane. A hitherto undescribed entity. Schneeweiss A, et al. **Chest** 1982 Aug;82(2):194–5

Disappearance of echocardiographic mitral valve prolapse during ventricular pacing with retrograde artial activation. Srinivasan V, et al. **Chest** 1982 May;81(5):650–2

Echocardiographic evaluation of the St. Jude medical prosthetic valve. Tri TB, et al. **Chest** 1981 Sep;80(3):278–84

Abnormal echoes in the left ventricular outflow tract caused by ruptured chordae tendineae of the mitral valve. van Leeuwen K, et al. **Chest** 1982 Jan;81(1):103–5

Superiority of echocardiography over angiocardiography in diagnosing a left ventricular thrombus. van Meurs-van Woezik H, et al. **Chest** 1981 Sep;80(3):321–3

Ruptured chordae tendineae of the tricuspid valve due to nonpenetrating trauma. Echocardiographic findings. Watanabe T, et al. **Chest** 1981 Dec;80(6):751–3

Value of the pulmonary valve echogram in estimating pulmonary artery pressure. Liu HY, et al. **Chin Med J [Engl]** 1981 Nov;94(11):737–44

Echocardiography in chronic cor pulmonale. Its value in early diagnosis compared with roentgenography and electrocardiography. Ren J, et al. **Chin Med J [Engl]** 1982 Mar;95(3):203–8

Regression of myocardial hypertrophy: electrocardiographic–echocardiographic correlations after aortic valve replacement in patients with chronic aortic regurgitation. Carroll JD, et al. **Circulation** 1982 May; 65(5):980–7

Echocardiographic visualization of ventricular septal defect in infants and assessment of hemodynamic status using a contrast technique. Comparison of M-mode and two-dimensional imaging. Funabashi T, et al. **Circulation** 1981 Nov;64(5):1025–31

Two-dimensional echocardiography in experimental coronary stenosis. I. Sensitivity and specificity in detecting transient myocardial dyskinesis: comparison with sonomicrometers. Pandian NG, et al. **Circulation** 1982 Sep; 66(3):597–602

Two-dimensional echocardiography in experimental coronary stenosis. II. Relationship between systolic wall thinning and regional myocardial perfusion in severe coronary stenosis. Pandian NG, et al. **Circulation** 1982 Sep; 66(3):603–11

Echocardiographic features of patients with and without residual defects after Mustard's procedure for transposition of the great vessels. Thompson K, et al. **Circulation** 1981 Nov;64(5):1032–41

Repair of aortico-left ventricular tunnel in the neonate: surgical, anatomic and echocardiographic considerations. Turley K, et al. **Circulation** 1982 May;65(5):1015–20

Spectrum of M-mode echocardiographic findings in total anomalous pulmonary venous return. Moodie DS. **Cleve Clin Q** 1981 Fall;48(3):315–24

Invasive and noninvasive assessment of pulmonic regurgitation: clinical, angiographic, phonocardiographic, echocardiographic, and Doppler ultrasound correlations. Chandraratna PA, et al. **Clin Cardiol** 1982 Jun;5(6):360–5

Large Mobile pedunculated left ventricular thrombus: identification by two-dimensional echocardiography. Chen CC, et al. **Clin Cardiol** 1981 Jul-Aug;4(4):189–92

Echo- and electrocardiographic findings in relation to autopsy in myocardial infarction. Lindvall K, et al. **Clin Cardiol** 1982 Jan;5(1):51–61

The heart in scleroderma: noninvasive assessment. Montanes P, et al. **Clin Cardiol** 1982 Jun;5(6):383–7

Mitral valve echocardiographic pattern within the left atrium. Motro M, et al. **Clin Cardiol** 1982 Feb;5(2):136–8

Mid-diastolic aortic valve opening in bacterial endocarditis of aortic valve. Nathan MP, et al. **Clin Cardiol** 1982 Apr; 5(4):294–8

Echocardiographic detection of cardiac effects of arterio-venous dialysis fistula. Dal Canton A, et al. **Clin Exp Dial Apheresis** 1981;5(3):259–67

Cross-sectional echocardiography in the evaluation of pericardial effusion. Chandraratna PA, et al. **Compr Ther** 1981 Oct;7(10):46–51

Echocardiographic criteria for the diagnosis of congestive (dilated) cardiomyopathy. Lengyel M, et al. **Cor Vasa** 1982; 24(1):1–8

Echocardiographic study of morphological and functional signs in patients with coarctation of the aorta. Pahl L, et al. **Cor Vasa** 1982;24(1):9–15

Two-dimensional echocardiography in acquired heart diseases--Part I. Giuliani ER, et al. **Curr Probl Cardiol** 1981 Feb;5(11):1–47

Two-dimensional echocardiography in acquired heart diseases--Part II. Giuliani ER, et al. **Curr Probl Cardiol** 1981 Mar;-(12):1–54

Cardiac sound and ultrasound: echocardiographic and phonocardiographic correlations--Part I. Ronan JA Jr. **Curr Probl Cardiol** 1981 Aug;6(5):1–45

Cardiac sound and ultrasound: echocardiographic and phonocardiographic correlations--Part II. Ronan JA Jr. **Curr Probl Cardiol** 1981 Sep;6(6):1–58

Pulmonary valve vegetations and flail leaflet detected by cross-sectional echocardiography in infective endocarditis. A case report. Anderson V, et al. **Eur Heart J** 1981 Dec; 2(6):519–23

Echocardiographic findings in discrete subaortic stenosis associated with infective endocarditis of the aortic valve. García-del-Castillo H, et al. **Eur Heart J** 1981 Dec; 2(6):525–30

Left ventricular volumes and ejection fraction by single plane two-dimensional apex echocardiography. Kan G, et al. **Eur Heart J** 1981 Aug;2(4):339–43

The use of the first derivative of apex cardiogram and echocardiographic dimensions for assessing left ventricular relaxation and mean velocity of circumferential fibre lengthening in cardiomyopathy. Kolev N, et al. **Eur Heart J** 1981 Feb;2(1):13–9

Diagnosis of ischemic right ventricular dysfunction by M-mode echocardiography. Lopez-Sendon J, et al. **Eur Heart J** 1982 Jun;3(3):230–7

Clinical-echocardiographic correlations in pericardial effusion. Markiewicz W, et al. **Eur Heart J** 1982 Jun; 3(3):260–6

Echocardiographic documentation of regression of left ventricular hypertrophy in patients treated for essential hypertension. Schlant RC, et al. **Eur Heart J** 1982 Apr;3 Suppl A:171–5

Unusual echocardiographic findings in the Marfan syndrome. Schneeweiss A, et al. **Eur Heart J** 1982 Feb;3(1):88–90

Echocardiographic identification and analysis of function of the St. Jude medical heart valve prosthesis. Hidajat HC, et al. **Eur J Cardiol** 1981;12(3–4):167–76

The contribution of bidimensional echocardiography in the diagnosis of cardiac tumours. Based on 25 observed cases. Sicart M, et al. **Eur J Radiol** 1981 Aug;1(3):241–4

Comparative accuracy of cross-sectional echocardiography and cineventriculography for left ventricular evaluation after myocardial infarction. Gentile F, et al. **G Ital Cardiol** 1981;11(12):1996–2002

Subxiphoid echocardiographic assessment of left ventricular wall in old myocardial infarction. Gullace G, et al. **G Ital Cardiol** 1981;11(5):577–89

Progression of aortic root dissection and cardiac tamponade. Documented by sequential echocardiographic examinations. Nicolosi GL, et al. **G Ital Cardiol** 1981; 11(9):1319–26

Echocardiographic growth patterns of intracardiac dimensions and determination of function indices during the first year of life. Oberhänsli I, et al. **Helv Paediatr Acta** 1981 Sep;36(4):325–40

Echocardiographic evaluation of left ventricular function. Meltzer RS, et al. **Indian Heart J Teach Ser** 1980;(8):401–5

Echocardiographic features of non-rheumatic mitral insufficiency. Mintz GS, et al. **Indian Heart J Teach Ser** 1980;(8):385–90

M-mode echocardiography in congenital cyanotic heart diseases. Mody R, et al. **Indian Heart J Teach Ser** 1980; (8):413–20

Echocardiography in aortic stenosis. Its value in diagnosis and assessment of severity. Narayanan GR, et al. **Indian Heart J Teach Ser** 1980;(8):391–6

I. H. S. S. by 'M' mode echo. Pathak L, et al. **Indian Heart J Teach Ser** 1980;(8):397–400

Evaluation of mitral stenosis by echocardiography - 'M' mode. Pathak L, et al. **Indian Heart J Teach Ser** 1980; (8):379–84

Pitfalls in echocardiography. Shah AV, et al. **Indian Heart J Teach Ser** 1980;(8):421–33

Myocardial scar. An echocardiographic evaluation. Shah KD. **Indian Heart J Teach Ser** 1980;(8):406–9

Echocardiography in diagnosis of heart disease in the neonates. Sukumar IP. **Indian Heart J Teach Ser** 1980; (8):410–2

Doppler echocardiography--an overview. Allen HD, et al. **Indian Pediatr** 1982 Jan;19(1):79–87

M-mode echocardiography in the diagnosis of congenital heart disease. Marin-Garcia J. **Indian Pediatr** 1982 Jan; 19(1):33–43

Echocardiographic evaluation of mitral valve prolapse. Nanda NC. **Indian Pediatr** 1982 Jan;19(1):45–51

Echocardiographic evaluation of global left ventricular performance in infants and children. Rao PS, et al. **Indian Pediatr** 1982 Jan;19(1):21–32 (75 ref.)

Echocardiographic detection of free mitral chordae tendineae after mitral valve replacement. García Gallego F, et al. **Int J Cardiol** 1982;1(3–4):273–9

Echocardiographic diagnosis of left anterior descending coronary artery disease and left ventricular asynergy. Keren A, et al. **Isr J Med Sci** 1981 Dec;17(12):1141–7

Quantitation of regional ventricular asynergy using real-time two-dimensional echocardiography. Rein AJ, et al. **Isr J Med Sci** 1982 Apr;18(4):457–61

Echocardiography of the inferior vena cava in healthy subjects and in patients with cardiac disease. Rein AJ, et al. **Isr J Med Sci** 1982 May;18(5):581–5

Left ventricular function in marathon runners: echocardiographic assessment. Paulsen W, et al. **J Appl Physiol** 1981 Oct;51(4):881–6

Echocardiographic evaluation in surgically treated infective endocarditis. Doty WD, et al. **J Fla Med Assoc** 1981 Dec; 68(12):980–5

The five fingers of cardiology. Noble RJ, et al. **J Indiana State Med Assoc** 1981 Jul;74(7):442–3

The use of echocardiography in the diagnosis and treatment of acute myocardial infarction. Felner JM. **J Med Assoc Ga** 1982 Apr;71(4):293–5

Echocardiographic measurements and left ventricular functions in 80 normal Thai subjects. Kachacheewa U. **J Med Assoc Thai** 1981 Dec;64 Suppl 1:1–18

An evaluation of echocardiographic criteria for cardiac tamponade. Weisse AB. **J Med Soc NJ** 1981 Jul;78(7):513–7

Contrast echocardiography in diagnosis of PDA [letter] Bell EF. **J Pediatr** 1981 Oct;99(4):668–9

Echocardiographic abnormalities in thalassaemia major with multiple transfusions. Ee B, et al. **J Singapore Paediatr Soc** 1981;23(1–2):68–70

The absence of temperature effects on end-diastolic pressure-volume relations in the canine left ventricle determined by two-dimensional echocardiography. Haasler GB, et al. **J Thorac Cardiovasc Surg** 1982 Jun;83(6):878–90

Residual shunting in the early postoperative period after closure of atrial septal defect: echocardiographic comparison of patch materials. Valdes-Cruz LM, et al. **J Thorac Cardiovasc Surg** 1982 Jul;84(1):73–6

Bacterial endocarditis and right atrial vegetation. Detection by two-dimensional echocardiography. Eichhorn EJ, et al. **JAMA** 1981 Dec 11;246(23):2724–5

Echocardiography knocking at physician's office door [news] Ichinose L. **JAMA** 1982 Jul 23;248(4):411–2

Mitral anular calcification: clinical and echocardiographic findings. Papa LA, et al. **JAOA** 1982 Mar;81(7):471–5

Two-dimensional echocardiography of Lutembacher's syndrome. Alvarez H, et al. **JCU** 1981 Oct;9(8):455–60

M-mode and two-dimensional echocardiography of pulmonary emboli. Arvan S, et al. **JCU** 1982 Apr; 10(4):177–9

Mitral valve fluttering in aortic insufficiency. Chia BL. **JCU** 1981 Apr;9(4):198–200

Echocardiographic manifestations of carcinoid heart disease. Come PC, et al. **JCU** 1982 May-Jun;10(5):233–7

Real-time echocardiographic features of intrapericardial teratoma. Farooki ZQ, et al. **JCU** 1982 Mar;10(3):125–8

False echocardiographic diagnosis of ruptured acquired sinus of Valsalva aneurysm. Hopkins CB. **JCU** 1982 Mar; 10(3):145–8

M-mode and cross-sectional echocardiographic diagnosis of right ventricular cavity masses. Krivokapich J, et al. **JCU** 1981 Jan;9(1):5–10

Diagnosis of a large left atrial myxoma: the role of two-dimensional echocardiography. Kronzon I, et al. **JCU** 1982 Jan;10(1):39–41

Three-dimensional echocardiography for spatial visualization and volume calculation of cardiac structures. Matsumoto M, et al. **JCU** 1981 Apr;9(4):157–65

Spontaneous echocardiographic contrast on the right side of the heart. Meltzer RS, et al. **JCU** 1982 May-Jun; 10(5):240–2

Inferior vena cava echocardiography. Meltzer RS, et al. **JCU** 1982 Feb;10(2):47–51

Echocardiographic findings in rheumatic mitral valve disease with chordal rupture. Mourant AJ, et al. **JCU** 1982 Feb; 10(2):79–81

Initial diastolic indentation of the mitral valve in aortic insufficiency. Rowe DW, et al. **JCU** 1982 Feb;10(2):53–7

Feasibility of detailed M-mode echocardiographic examination in markedly obese adults: prospective study of 50 patients. Zema MJ, et al. **JCU** 1982 Jan;10(1):31–4

Left and right ventricular pressure diameter relationships during ventricular standstill in the dog. Mashiro I, et al. **Jpn Circ J** 1982 Mar;46(3):284–95

Echocardiographic assessment of left ventricular hypertrophy and function in renal hypertensive dogs. Morioka S, et al. **Jpn Circ J** 1982 Feb;46(2):143–50

Left ventricular function curve determined by echocardiography in patients with atrial fibrillation. Fujii J, et al. **Jpn Heart J** 1981 Jul;22(4):561–73

Evaluation of the left ventricular function in aortic regurgitation by echocardiography and indicator dilution method. Fujii J, et al. **Jpn Heart J** 1982 Jan;23(1):49–59

Influence of ergometer exercise on aortic pressure-diameter relationship in healthy men. Sugishita Y, et al. **Jpn Heart J** 1982 May;23(3):315–27

Echocardiographic observations of hemodynamic differences between mitral and aortic regurgitation. Quantitative interpretation of functional state by multivariate statistical analysis. Suwa M. **Jpn Heart J** 1982 Jan;23(1):61–78

Clinical investigation of aortic insufficiency by means of pulsed Doppler echocardiography. Toguchi M, et al. **Jpn Heart J** 1981 Jul;22(4):537–50

Reliability of echocardiography in assessing cardiac output. A comparative study with a dye dilution technique. Kiowski W, et al. **Klin Wochenschr** 1981 Oct 1; 59(19):1115–20

Echocardiography or catheterisation? [editorial] **Lancet** 1982 May 1;1(8279):998–1000

Echocardiographic assessment of left-ventricular mass [letter] Gould BA, et al. **Lancet** 1982 Apr 10;1(8276):854–5

Diagnostic contribution of echocardiography. Grimmer SF, et al. **Lancet** 1982 Feb 20;1(8269):440–1

Diagnostic contribution of echocardiography [letter] Sutton MG. **Lancet** 1982 Apr 3;1(8275):793–4

Atrioventricular and ventriculoarterial discordance (corrected transposition of the great arteries). Wide-angle two-dimensional echocardiographic assessment of ventricular morphology. Hagler DJ, et al. **Mayo Clin Proc** 1981 Oct;56(10):591–600

Pulmonary atresia with intact ventricular septum, Ebstein's anomaly of hypoplastic tricuspid valve, and double-chamber right ventricle: two-dimensional echocardiographic-anatomic correlation. Huhta JC, et al. **Mayo Clin Proc** 1982 Aug;57(8):515–9

The role of two-dimensional echocardiography in coronary artery disease: a critical appraisal. Reeder GS, et al. **Mayo Clin Proc** 1982 Apr;57(4):247–58 (81 ref.)

Visualization of aortopulmonary window by two-dimensional echocardiography. Rice MJ, et al. **Mayo Clin Proc** 1982 Aug;57(8):482–7

Echocardiography in elderly patients. D'Cruz IA, et al. **Med Instrum** 1982 Jan–Feb;16(1):12–4

Assessment of left ventricular function by echocardiography. Drăgulescu SI, et al. **Med Interne** 1981 Jul–Sep; 19(3):235–40

Use of two-dimensional contrast echocardiography in the early postoperative assessment of septal defect repairs: case report. Glover M, et al. **Milit Med** 1982 May;147(5):412–3

Pseudoaneurysm of the left ventricle diagnosed by two-dimensional echocardiography: case report. Glover MU, et al. **Milit Med** 1981 Oct;146(10):696–8

Advantages of systolic time intervals over echocardiography in the measurement of left ventricular ejection fraction. Adenle B, et al. **Minn Med** 1981 Aug;64(8):479–83

Echocardiographic estimates of pulmonary artery wedge pressure [letter] **N Engl J Med** 1982 Jul 15;307(3):188–9

Echocardiographic estimates of pulmonary artery wedge pressure. Askenazi J, et al. **N Engl J Med** 1981 Dec 24; 305(26):1566–8

Comparison of Indium-111 platelet scintigraphy and two-dimensional echocardiography in the diagnosis of left ventricular thrombi. Ezekowitz MD, et al. **N Engl J Med** 1982 Jun 24;306(25):1509–13

Occult pericardial effusion in pregnancy [letter] Haïat R, et al. **N Engl J Med** 1981 Oct 29;305(18):1096

Acute effects of haemodialysis on left heart dimensions and left ventricular function: an echocardiographic study. Ireland MA, et al. **Nephron** 1981;29(1–2):73–9

Echocardiographic diagnosis of postinfarction ventricular septal rupture. Fast JH. **Neth J Med** 1981;24(6):229–33

Indications for echocardiography in patients with ischemic stroke. Knopman DS, et al. **Neurology (NY)** 1982 Sep; 32(9):1005–11

Clinical and experimental studies of the relationship between phasic mitral flow and mitral valve echogram: echocardiographic evaluation of annuloplasty for mitral regurgitation. Ishihara H. **Nippon Geka Hokan** 1981 Sep 1;50(5):649–68

M-mode echocardiography in dehiscence of porcine xenograft in mitral position. Miceli C, et al. **NY State J Med** 1982 Mar;82(3):366–7

Mid-systolic click and echocardiographic evidence of mitral valve prolapse during electrical pacing. Klein HO, et al. **PACE** 1981 Nov;4(6):615–22

Usefulness of echocardiography in cardiac pacing. Nanda NC, et al. **PACE** 1982 Mar;5(2):222–37

Doppler echocardiography and cardiac pacing. Schuster AH, et al. **PACE** 1982 Jul;5(4):607–12

M-mode echocardiographic assessment of D-transposition of the great arteries and associated defects. Aziz KU, et al. **Pediatr Cardiol** 1982;2(2):131–40

Umbilical vascular catheters: localization by two-dimensional echocardio/aortography. George L, et al. **Pediatr Cardiol** 1982;2(3):237–43

Echocardiographic diagnosis of tricuspid valve endocarditis in a child with a normal heart. Special emphasis on surgical considerations. Goessler MC, et al. **Pediatr Cardiol** 1982; 2(2):141–3

Estimation of pulmonary artery pressure by ultrasound. A study comparing simultaneously recorded pulmonary valve echogram and pulmonary arterial pressures. Oberhänsli I, et al. **Pediatr Cardiol** 1982;2(2):123–30

Pulsed Doppler echocardiographic detection of coronary artery to right ventricle fistula. Pickoff AS, et al. **Pediatr Cardiol** 1982;2(2):145–8

Cardiac enlargement in a normal infant. Silverman NH, et al. **Pediatr Cardiol** 1982;2(3):263–4

Echocardiographically assisted balloon atrial septostomy. Perry LW, et al. **Pediatrics** 1982 Sep;70(3):403–8

Utility of M-mode echocardiography for early identification of infants with persistent pulmonary hypertension of the newborn. Valdes-Cruz LM, et al. **Pediatrics** 1981 Oct; 68(4):515–25

Echocardiographic visualization of the anatomic causes of mitral regurgitation resulting from myocardial infarction. Donaldson RM, et al. **Postgrad Med J** 1982 May; 58(679):257–63

Normal fetal cardiac anatomy--a basis for the echocardiographic detection of abnormalities. Allan LD, et al. **Prenatal Diagn** 1981 Apr;1(2):131–9

Echographic imagery of amniotic membranes in twin pregnancies. Bessis R, et al. **Prog Clin Biol Res** 1981; 69A:183–7

Handgrip exercise in normal young women: a noninvasive cardiovascular assessment. Kessler KM, et al. **South Med J** 1982 Apr;75(4):392–5

Echocardiography in patients with suspected cor pulmonale. Lesser LM, et al. **South Med J** 1982 Apr;75(4):388–91

Detecting ductal shunting in premature infants by range-gated Doppler echocardiography. Rees A, et al. **South Med J** 1981 Sep;74(9):1101–3

Structural and functional changes of the heart in hypertension--an echocardiographic study. Wu CC, et al. **Taiwan I Hsueh Hui Tsa Chih** 1981 Nov;80(11):1169–77

The value of bidimensional echocardiography in the preoperative evaluation of the anatomy of the mitral valve. Hellemans IM, et al. **Thorac Cardiovasc Surg** 1982 Apr; 30(2):113–6

Echocardiographic diagnosis of partial detachment of a St. Jude medical aortic prosthesis. Jansen W, et al. **Thorac Cardiovasc Surg** 1982 Feb;30(1):148–52

Echocardiographic and morphological features of the pulmonic valve in patients with primary pulmonary hypertension and those with secondary pulmonary hypertension resulting from left-to-right shunt. Haneda T, et al. **Tohoku J Exp Med** 1981 Aug;134(4):393–400

Effects of occlusion of fistulae on left ventricular dimensions in hemodialysis patients. Cooper MW, et al. **Trans Am Soc Artif Intern Organs** 1981;27:625–8

The concept of three dimensional resolution in echocardiographic imaging. Joynt L, et al. **Ultrasound Med Biol** 1982;8(3):237–47

Transmission of ultrasonic contrast through the lungs. Meltzer RS, et al. **Ultrasound Med Biol** 1981;7(4):377–84

Echocardiography in medical practice in the Caribbean: part I. Dianzumba SB. **West Indian Med J** 1981 Dec; 30(4):164–77

Echocardiography in medical practice in the Caribbean: Part II. Dianzumba SB. **West Indian Med J** 1982 Mar;31(1):10–9

[Echocardiographic diagnosis of congestive cardiomyopathy associated with mitral regurgitation] Kütova Ts, et al. **Vutr Boles** 1981;20(5):81–6 (Eng. Abstr.) **(Bul)**

[Follow-up study of chronic cor pulmonale by echocardiography: its diagnostic value as compared with roentgenography and electrocardiography (author's transl)] Ren JF. **Chung Hua Chieh Ho Ho Hu Hsi Hsi Chi Ping Tsa Chih** 1981 Aug;4(4):220–3 (Eng. Abstr.) **(Chi)**

[The measurement of left ventricular systolic time interval by echocardiography (author's transl)] Chen SG. **Chung Hua Hsin Hsueh Kuan Ping Tsa Chih** 1980 Jun; 8(2):108–10 **(Chi)**

[Preliminary observation of systolic time interval and echocardiography on the grading of ventricular function (author's transl)] Jia ZH. **Chung Hua Hsin Hsueh Kuan Ping Tsa Chih** 1981 Jun; 9(2):134–6 **(Chi)**

[Echocardiographic manifestations of D-transposition of the great vessels (author's transl)] Jiang L. **Chung Hua Hsin Hsueh Kuan Ping Tsa Chih** 1981 Dec; 9(4):287–91 (Eng. Abstr.) **(Chi)**

[Echocardiographic diagnosis of partial endocardial cushion defect (author's transl)] Liu HY, et al. **Chung Hua Hsin Hsueh Kuan Ping Tsa Chih** 1981 Dec; 9(4):275–9 (Eng. Abstr.) **(Chi)**

[Estimation of size of value of the orifice in mitral stenosis by echocardiography (author's transl)] Lu OL. **Chung Hua Hsin Hsueh Kuan Ping Tsa Chih** 1980 Jun; 8(2):127–8 **(Chi)**

[Preliminary observations on the echocardiographic features of 84 cases of Keshan disease (author's transl)] Kang TJ. **Chung Hua Nei Ko Tsa Chih** 1980 Nov;19(6):442–5 **(Chi)**

[Echocardiographic manifestation of cardiac lesions in 26 cases of chronic renal failure (author's transl)] Wu ZG. **Chung Hua Nei Ko Tsa Chih** 1981 Jun;20(6):331–5 **(Chi)**

[Ultrasonic study of cardiac anatomy and function in essential hypertension (author's transl)] Zhang CD. **Chung Hua Nei Ko Tsa Chih** 1981 Nov;20(11):646–9 **(Chi)**

[Echocardiographic evaluation of the effect after BN-mode heterograft valve replacement (author's transl)] Liu HY. **Chung Hua Wai Ko Tsa Chih** 1981 Oct;19(10):586–9 (Eng. Abstr.) **(Chi)**

[Echocardiographic study in systemic lupus erythematosus (author's transl)] Hsu KC, et al. **Taiwan I Hsueh Hui Tsa Chih** 1981 Nov;80(11):1227–34 (Eng. Abstr.) **(Chi)**

[Echocardiographic study of hyperthyroidism (author's transl)] Tang JL, et al. **Taiwan I Hsueh Hui Tsa Chih** 1981 Dec;80(12):1307–11 (Eng. Abstr.) **(Chi)**

[Left ventricular echographic study in normal Chinese male adults (author's transl)] Wu CC, et al. **Taiwan I Hsueh Hui Tsa Chih** 1981 May;80(5):530–6 (Eng. Abstr.) **(Chi)**

[Echocardiographical diagnosis of ruptures in mitral valve suspension apparatus (author's transl)] Cervenka V, et al. **Cas Lek Cesk** 1981 Jun 18;120(24):721–3 (Eng. Abstr.) **(Cze)**

[Two-dimensional echocardiography for left ventricular function evaluation (author's transl)] Gregor P, et al. **Cas Lek Cesk** 1982 Feb 12;121(10):300–4 (Eng. Abstr.) **(Cze)**

[Changes in left ventricular size during left ventricular diastolic pressure increase (author's transl)] Koudelková E, et al. **Cas Lek Cesk** 1981 Apr 23;120(16):475–8 (Eng. Abstr.) **(Cze)**

[Early diagnosis of acute myocardial infarction in two-dimensional echocardiography (author's transl)] Widimský P, et al. **Cas Lek Cesk** 1981 Apr 23;120(16):490–2 (Eng. Abstr.) **(Cze)**

[Echocardiography in attacks of angina pectoris (author's transl)] Widimský P, et al. **Cas Lek Cesk** 1982 Feb 19; 121(7):214–6 (Eng. Abstr.) **(Cze)**

[Echocardiographic picture of the diabetic heart] Gregor P, et al. **Vnitr Lek** 1981 Oct;27(10):976–80 (Eng. Abstr.) **(Cze)**

[Electrocardiographic and echocardiographic diagnosis of left ventricular hypertrophy in aortic defects] Koudelková E, et al. **Vnitr Lek** 1981 Apr;27(4):323–31 (Eng. Abstr.) **(Cze)**

[The size and function of the left heart ventricle after surgery for aortic coarctation evaluated with echocardiography] Novotný J, et al. **Vnitr Lek** 1981 Dec;27(12):1190–5 (Eng. Abstr.) **(Cze)**

[Exercise tolerance and working capacity of the left ventricle after pharmacologic disruption of atrial fibrillation and restoration of sinus rhythm] Zikmund M, et al. **Vnitr Lek** 1981 Oct;27(10):970–5 (Eng. Abstr.) **(Cze)**

[Contribution of echocardiography to the diagnosis of infectious endocarditis and its complications. Experiment on 90 cases (author's transl)] Neimann JL, et al. **Ann Cardiol Angeiol (Paris)** 1981 Jul–Sep;30(4):245–52 (Eng. Abstr.) **(Fre)**

[Unidimensional echocardiogram of normal infants and children (author's transl)] Palcoux MC, et al. **Arch Fr Pediatr** 1981 Dec;38(10):737–41 (Eng. Abstr.) **(Fre)**

[Importance of echocardiography in the evaluation of surgical results in the tetralogy of Fallot] Bical O, et al. **Arch Mal Coeur** 1981 May;74(5):555–62 (Eng. Abstr.) **(Fre)**

[Aneurysm of the sinus of Valsalva rupturing into the pulmonary infundibulum. Echographic study] Bourlon F, et al. **Arch Mal Coeur** 1981 May;74(5):615–21 (Eng. Abstr.) **(Fre)**

[Interauricular communication and mitral prolapse. An echocardiographic and angiographic study] Cherifi MA, et al. **Arch Mal Coeur** 1981 Jun;74(6):727–33 (Eng. Abstr.) **(Fre)**

[Echocardiography of an operated case of a myxoma of the tricuspid valve] Courdier G, et al. **Arch Mal Coeur** 1981 Jun;74(6):747–54 (Eng. Abstr.) **(Fre)**

[Comparative study of ventricular dimensions by monoplane angiography and TM echocardiography during acute volume expansion. Application to a critique of ventricular volume measurements] Curien ND, et al. **Arch Mal Coeur** 1981 Sep;74(9):1071–8 (Eng. Abstr.) **(Fre)**

[Echocardiographic changes in 10 cases of left constrictive endomyocardial fibrosis isolated or bilateral with left-sided predominance] Diénot B, et al. **Arch Mal Coeur** 1981 Sep; 74(9):1063–70 (Eng. Abstr.) **(Fre)**

[Value of echocardiography in the diagnosis of Uhl's disease. Apropos of a case in an adult] Perrenoud JJ, et al. **Arch Mal Coeur** 1982 Apr;75(4):495–500 (Eng. Abstr.) **(Fre)**

[Diagnosis and localization of ventricular septal defects by two-dimensional echocardiography. 50 cases] Piot JD, et al. **Arch Mal Coeur** 1981 Sep;74(9):1001–9 (Eng. Abstr.) **(Fre)**

[Diagnosis of a complete atrioventricular canal with infundibular pulmonary stenosis and left superior vena cava by 2-dimensional contrast echocardiography. Apropos of a surgically treated case] Piot JD, et al. **Arch Mal Coeur** 1981 Sep;74(9):1107–12 (Eng. Abstr.) **(Fre)**

[Analysis of segmental left ventricular kinetics by 2-dimensional echocardiography in chronic coronary insufficiency] Prasquier R, et al. **Arch Mal Coeur** 1981 Sep; 74(9):1053–62 (Eng. Abstr.) **(Fre)**

[The heart of patients with chronic renal failure on periodic hemodialysis: echocardiographic aspects. Apropos of 24 cases] Revillon L, et al. **Arch Mal Coeur** 1981 Aug; 74(8):969–77 (Eng. Abstr.) **(Fre)**

[Specificity and sensitivity of echocardiography in the newborn infant suspected of congenital cardiopathy] Rey C, et al. **Arch Mal Coeur** 1981 May;74(5):535–45 (Eng. Abstr.) **(Fre)**

[Monodimensional echographic study of echogenic masses in the left ventricular outflow tract in aortic valve insufficiencies. Apropos 5 cases] Schmitt R, et al. **Arch Mal Coeur** 1982 Mar;75(3):269–76 (Eng. Abstr.) **(Fre)**

[Transpulmonary contrast echocardiography. Initial experience] Serruys PW, et al. **Arch Mal Coeur** 1982 Mar; 75(3):249–60 (Eng. Abstr.) **(Fre)**

[Two-dimensional echocardiography with contrast in tricuspid insufficiency] Grison D, et al. **Cardiology** 1981; 68 Suppl 1:75–80 **(Fre)**

[Silent pericardial effusion in late pregnancy: echocardiographic detection in the third trimester of pregnancy (author's transl)] Halphen C, et al. **J Gynecol Obstet Biol Reprod (Paris)** 1982;11(2):245–8 (Eng. Abstr.) **(Fre)**

[Detection of intracardiac thrombi by scanography (letter)] Benichou M, et al. **Nouv Presse Med** 1981 Nov 7; 10(40):3322–3 **(Fre)**

[Echocardiography in pericardial effusion and tamponade (author's transl)] Schurtz C, et al. **Nouv Presse Med** 1982 Mar 13;11(12):933–6 (Eng. Abstr.) **(Fre)**

[Echocardiographic evaluation of adriamycin cardiotoxicity during polychemotherapy (author's transl)] Christmann D, et al. **Nouv Rev Fr Hematol** 1981 Sep;23(3):149–54 (Eng. Abstr.) **(Fre)**

[Echocardiography. I. Physical principles of the method and diagnostic use] Soyeur D, et al. **Rev Med Liege** 1982 Mar 15;37(6):189–96 **(Fre)**

[Atrial septum defect: comparison of pre-and postsurgery echocardiographic data in adults and children] Crittin J, et al. **Schweiz Med Wochenschr** 1980 Nov 8; 110(45):1697–1700 (Eng. Abstr.) **(Fre)**

[M-mode and two-dimensional echocardiography in evaluating mitral stenosis before and after commissurotomy] Spinnler MT, et al. **Schweiz Med Wochenschr** 1980 Nov 8;110(45):1681–4 (Eng. Abstr.) **(Fre)**

[Echocardiography in the diagnosis of diseases of the pericardium (author's transl)] Plainfosse MC, et al. **Sem Hop Paris** 1982 Feb 25;58(8):495–500 (13 ref.) (Eng. Abstr.) **(Fre)**

[Echocardiographic evaluation of valve prosthesis] Amann FW, et al. **Cardiology** 1981;68 Suppl 1:81–5 **(Ger)**

[Anatomical and functional changes in the heart caused by physical stress shown in M-mode echocardiography] Simon G. **Fortschr Med** 1982 May 6;100(17):810–4 (Eng. Abstr.) **(Ger)**

[Value and limitations of cross sectional echocardiography in the diagnosis of infective endocarditis (author's transl)] Kronik G, et al. **Klin Wochenschr** 1982 Feb 15;60(4):171–9 (36 ref.) (Eng. Abstr.) **(Ger)**

[Echocardiographic studies in primary muscular disease] Nebel W, et al. **Med Welt** 1982 Jul 2;33(26):967–9 **(Ger)**

[Echocardiography: principles and application (author's transl)] Neye K. **MMW** 1982 May 14;124(19):461–4 (Eng. Abstr.) **(Ger)**

[Diagnosis and treatment of pericardial effusions with the aid of 2-dimensional Doppler echo cardiography (author's transl)] Redel D, et al. **ROFO** 1980 Nov;133(5):501–5 (Eng. Abstr.) **(Ger)**

[How reliable is echocardiography in evaluating the severity of mitral stenosis] Speiser K, et al. **Schweiz Med Wochenschr** 1980 Nov 8;110(45):1685–8 (Eng. Abstr.) **(Ger)**

[Echocardiography] **Verh Dtsch Ges Herz Kreislaufforsch** 1981;47:133–229 **(Ger)**

[Physics and technic of ultrasonic diagnosis of the heart–status and prospects] Hertz CH. **Verh Dtsch Ges Herz Kreislaufforsch** 1981;47:133–43 **(Ger)**

[Echocardiographic values of healthy children in relation to ergometric performance (author's transl)] Bachl N, et al. **Z Kardiol** 1980 Dec;69(12):845–51 (Eng. Abstr.) **(Ger)**

[Comparison of 2-d-echocardiographic and hemodynamic findings in patients with atrial and ventricular septal defects (author's transl)] Schartl M, et al. **Z Kardiol** 1982 May; 71(5):370–6 (Eng. Abstr.) **(Ger)**

[ECG seminar IV] Doenecke P, et al. **ZFA (Stuttgart)** 1981 Aug 31;57(24):1603–7 **(Ger)**

[Two dimensional echocardiography. Its significance in the diagnosis of heart diseases] Köhler E, et al. **ZFA (Stuttgart)** 1982 May 20;58(14):781–91 **(Ger)**

[M-mode echocardiography. Its significance in the diagnosis of heart diseases] Köhler E, et al. **ZFA (Stuttgart)** 1982 May 20;58(14):771–80 **(Ger)**

[Diagnostic value of echocardiography in infectious endocarditis] Lengyel M, et al. **Orv Hetil** 1982 Feb 21; 123(8):463–7 **(Hun)**

[Echocardiographic findings in acromegaly subjects] Bertoni PD, et al. **Boll Soc Ital Cardiol** 1981;26(2):183–92 **(Ita)**

[Echocardiographic findings in 2 cases of extracardiac mass] Ciociola G, et al. **Boll Soc Ital Cardiol** 1980;25(4):421–30 **(Ita)**

[Echocardiographic evaluation of the dimensions of the left atrium and aortic root in normal adults and children] Comi LI, et al. **Boll Soc Ital Cardiol** 1980;25(6):627–36 (Eng. Abstr.) **(Ita)**

[Changes in various echocardiographic indices in hypertension] Corridoni C, et al. **Boll Soc Ital Cardiol** 1980; 25(4):369–75 **(Ita)**

[Echocardiographic aspects of obstructive hypertrophic myocardiopathy] Di Gregorio D, et al. **Boll Soc Ital Cardiol** 1980;25(4):409–20 (Eng. Abstr.) **(Ita)**

[Common truncus arteriosus: uni- and bi-dimensional echocardiography] Di Gregorio D, et al. **Boll Soc Ital Cardiol** 1980;25(5):445–9 **(Ita)**

[Echocardiographic evaluation of myocardial hypertrophy] Ganau A, et al. **Boll Soc Ital Cardiol** 1980;25(6):545–50 (Eng. Abstr.) **(Ita)**

[Bidimensional echocardiography. Univentricular heart] Magherini A, et al. **Boll Soc Ital Cardiol** 1980;25(10):1205–9 **(Ita)**

[Bidimensional echocardiography. Defects of the atrio-ventricular canal] Magherini A, et al. **Boll Soc Ital Cardiol** 1980;25(10):1179–83 **(Ita)**

[The role of hypertensive cardiopathy in the genesis of the pathological response to the ergometric test in young hypertensive patients] Mariotti G, et al. **Boll Soc Ital Cardiol** 1980;25(9):1051–3 **(Ita)**

[Calculation of left ventricular volume: comparison between cineventriculography and bidimensional echocardiography] Nicolosi GL, et al. **Boll Soc Ital Cardiol** 1980;25(11):1255–60 **(Ita)**

[Echocardiographic observations in infectious endocarditis] Pierli C, et al. **Boll Soc Ital Cardiol** 1981;26(3):263–7 (Eng. Abstr.) **(Ita)**

[Echocardiographic studies and analysis of their relation to polycardiographic indices in Marfan's syndrome] Saponaro A, et al. **Boll Soc Ital Cardiol** 1980;25(12):1357–64 (Eng. Abstr.) **(Ita)**

[Clinical use of bidimensional echocardiography in the acute phase of myocardial infarct] Spinnler MT, et al. **Boll Soc Ital Cardiol** 1980;25(9):1069–71 **(Ita)**

[Echocardiographic features of the St. Jude Medical valve prosthesis (author's transl)] Antoniucci D, et al. **G Ital Cardiol** 1981;11(12):2039–47 (Eng. Abstr.) **(Ita)**

[Echocardiography. 10 years after] Belli C, et al. **G Ital Cardiol** 1981;11 Suppl 1:119–46 (239 ref.) **(Ita)**

[Echocardiographic study of left ventricular performance during sitting bicycle exercise (author's transl)] Corallo S, et al. **G Ital Cardiol** 1981;11(8):1072–82 (Eng. Abstr.) **(Ita)**

[M.-mode and two-dimensional echocardiographic diagnosis of pseudoaneurysm of the left ventricle (author's transl)] Dander B, et al. **G Ital Cardiol** 1981;11(5):686–91 (Eng. Abstr.) **(Ita)**

[Echocardiographic diagnosis of pulmonary valve bacterial endocarditis (author's transl)] De Luca I, et al. **G Ital Cardiol** 1981;11(8):1116–27 **(Ita)**

[Echocardiographic visualization of the cardiac and vascular structures of the living human fetus] De Luca I, et al. **G Ital Cardiol** 1982;11(11):1646–56 (Eng. Abstr.) **(Ita)**

[Echocardiographic recognition of Valsalva aneurysm. A case report (author's transl)] de Martini M, et al. **G Ital Cardiol** 1981;11(9):1332–9 (Eng. Abstr.) **(Ita)**

[Echocardiography during ergometric tests in subjects with stable effort angina (author's transl)] Fedele F, et al. **G Ital Cardiol** 1981;11(3):310–20 (Eng. Abstr.) **(Ita)**

[Right ventricle myocardial infarction: scintigraphic and echocardiographic findings. A case report (author's transl)] Ferranti E, et al. **G Ital Cardiol** 1981;11(12):2249–53 (Eng. Abstr.) **(Ita)**

[Fixed subvalvular left ventricular outflow tract obstruction. Comparison of the diagnostic usefulness of mono- and bi-dimensional echocardiography] Jacovella G, et al. **G Ital Cardiol** 1981;11(7):926–32 (Eng. Abstr.) **(Ita)**

[Reliability of M-mode and B-mode echocardiography in detection of left intra-atrial masses (author's transl)] Jacovella G, et al. **G Ital Cardiol** 1982;11(11):1637–45 (Eng. Abstr.) **(Ita)**

[Hypertrophic cardiomyopathy: ECG–VCG abnormalities in absence of the echocardiographic markers in a family (author's transl)] Loperfido F, et al. **G Ital Cardiol** 1981; 11(9):1266–75 (Eng. Abstr.) **(Ita)**

[The contrast echocardiography for the diagnosis of the venous system anomalies. Echo-angiographic correlations (author's transl)] Marsico F, et al. **G Ital Cardiol** 1981; 11(8):1083–92 (Eng. Abstr.) **(Ita)**

[Echocardiographic evaluation of myocardial infarct patients undergoing rehabilitation] Pennestri F, et al. **G Ital Cardiol** 1981;11(7):933–40 (Eng. Abstr.) **(Ita)**

[Aortic root dissection: echocardiographic demonstration of a torn intimal flap (author's transl)] Pino PG, et al. **G Ital Cardiol** 1981;11(12):2258–9 **(Ita)**

[M-mode echocardiography of left heart in hypertensive patients (author's transl)] Pregnolato U, et al. **G Ital Cardiol** 1981;11(8):1093–9 (Eng. Abstr.) **(Ita)**

[Aneurysm of the membranous septum associated with interventricular patency. Echocardiographic study] Purcaro A, et al. **G Ital Cardiol** 1981;11(5):590–9 (Eng. Abstr.) **(Ita)**

[Echocardiographic diagnosis of left atrial thrombosis (author's transl)] Recusani F, et al. **G Ital Cardiol** 1981; 11(7):941–7 (Eng. Abstr.) **(Ita)**

[Comparison between M-mode echocardiography and 201thallium myocardial scintigraphy for diagnosis of transient myocardial ischemia (author's transl)] Rovai D, et al. **G Ital Cardiol** 1981;11(12):1988–95 (Eng. Abstr.) **(Ita)**

[Abnormal motion of prosthetic heart valves in pericardial diseases (author's transl)] Sparvieri F, et al. **G Ital Cardiol** 1981;11(6):758–67 (Eng. Abstr.) **(Ita)**

[Echocardiography for the evaluation of tricuspid atresia. I. Morphological analysis (author's transl)] Vitarelli A, et al. **G Ital Cardiol** 1981;11(3):321–9 (Eng. Abstr.) **(Ita)**

[Echocardiography for the evaluation of tricuspid atresia. II. Analysis of the left ventricular function (author's transl)] Vitarelli A, et al. **G Ital Cardiol** 1981;11(3):330–7 (Eng. Abstr.) **(Ita)**

[Value and limits of echocardiography of the acute or previous myocardial infarction. Mono- and bi-dimensional study (author's transl)] Zanardi F, et al. **G Ital Cardiol** 1981; 11(6):736–48 (Eng. Abstr.) **(Ita)**

[The bidimensional echocardiogram in the Lutembacher syndrome. Description of a clinical case] Binetti G, et al. **Minerva Cardioangiol** 1982 Mar;30(3):103–8 (Eng. Abstr.) **(Ita)**

[Limitations of M-mode echocardiography in evaluation of the dimensions of the right ventricle. Description of a case with massive tricuspid insufficiency] Cecchi F, et al. **Minerva Cardioangiol** 1981 Jun;29(6):335–8 (Eng. Abstr.) **(Ita)**

[Echocardiographic and vectorcardiographic findings in patients with pacemakers] Curzio G, et al. **Minerva Cardioangiol** 1981 Nov;29(11):603–12 (Eng. Abstr.) **(Ita)**

[Echocardiographic study of patients with Wolff-Parkinson-White syndrome] Monducci I, et al. **Minerva Cardioangiol** 1982 Mar;30(3):95–102 (Eng. Abstr.) **(Ita)**

[Echocardiographic evaluation of cardiac function in patients with arteriovenous fistula for chronic hemodialytic treatment] Simoni GA, et al. **Minerva Cardioangiol** 1982 Mar;30(3):115–8 (Eng. Abstr.) **(Ita)**

[Electrocardiographic and echocardiographic examinations in patients and carriers of Duchenne's progressive muscular dystrophy] Zuppiroli A, et al. **Minerva Cardioangiol** 1982 Mar;30(3):109–14 (Eng. Abstr.) **(Ita)**

[Fetal ultrasonic cardiography in real time] Grassi G. **Minerva Ginecol** 1981 Oct;33(10):965–72 **(Ita)**

[Echocardiographic study of cystic fibrosis] Ferrando A, et al. **Minerva Pediatr** 1981 Jul 31;33(14):703–12 (Eng. Abstr.) **(Ita)**

[Atrio ventricular canal defect. Two dimensional echocardiographic features (author's transl)] Hagler DJ, et al. **Pediatr Med Chir** 1981 Nov–Dec;3(6):453–8 **(Ita)**

[The echocardiography in thalassemia major (author's transl)] Musumeci S, et al. **Pediatr Med Chir** 1981 Mar–Jun; 3(2-3):219–22 (Eng. Abstr.) **(Ita)**

[Echocardiographic findings in subjects with beta-thalassemia major] Malizia R, et al. **Pediatria (Napoli)** 1981;89(2):235–44 (Eng. Abstr.) **(Ita)**

[Digital image processing of the two-dimensional echocardiogram for the evaluation of regional contractility of the left ventricular wall (author's transl)] Fujii J, et al. **J Cardiogr** 1981 Sep;11(3):901–9 (Eng. Abstr.) **(Jpn)**

[The diastolic rumble and fluttering of the ventricular wall after atrioventricular valve replacement with the Hancock xenograft (author's transl)] Futamata H, et al. **J Cardiogr** 1981 Jun;11(2):371–81 (Eng. Abstr.) **(Jpn)**

[Echocardiographic study of mitral and tricuspid valve openings in normal subjects (author's transl)] Hada Y, et al. **J Cardiogr** 1981 Dec;11(4):1181–91 (Eng. Abstr.) **(Jpn)**

[Cross-sectional echocardiographic study on left atrial thrombus: detection rate by various cross-sections (author's transl)] Hibi N, et al. **J Cardiogr** 1981 Sep;11(3):969–77 (Eng. Abstr.) **(Jpn)**

[Detection of aortic valve prolapse by cross-sectional echocardiography (author's transl)] Hirata S, et al. **J Cardiogr** 1981 Sep;11(3):741–6 (Eng. Abstr.) **(Jpn)**

[Hemodynamic responses to supine bicycle exercise in juvenile hypertensive subjects: an echocardiographic assessment (author's transl)] Imataka K, et al. **J Cardiogr** 1981 Jun;11(2):449–56 (Eng. Abstr.) **(Jpn)**

[Differential diagnosis of idiopathic congestive cardiomyopathy and ischemic heart disease by echocardiography and 201Tl-myocardial scintigraphy (author's transl)] Inoh T, et al. **J Cardiogr** 1981 Dec; 11(4):1101–12 (Eng. Abstr.) **(Jpn)**

[Clinical study of ventricular end-systolic dimension and systolic blood pressure/end-systolic dimension ratio as the indices of left ventricular function (author's transl)] Itaya M, et al. **J Cardiogr** 1981 Jun;11(2):529–41 (Eng. Abstr.) **(Jpn)**

[Detection of left ventricular thrombi by echotomography and computed tomography (author's transl)] Kanemitsu H, et al. **J Cardiogr** 1981 Sep;11(3):945–55 (Eng. Abstr.) **(Jpn)**

[M-mode echocardiographic assessment of severity of mitral stenosis: clinical significance of early diastolic anterior motion of the anterior mitral valve (author's transl)] Kondo K, et al. **J Cardiogr** 1981 Sep;11(3):717–26 (Eng. Abstr.) **(Jpn)**

[Two-dimensional echocardiographic approach to the localization of myocardial infarction: echocardiographic, electrocardiographic, and coronary arteriographic correlations (author's transl)] Mitamura H, et al. **J Cardiogr** 1981 Sep;11(3):779–90 (Eng. Abstr.) **(Jpn)**

[The echocardiographic study in 13 cases with infective endocarditis (author's transl)] Morita N, et al. **J Cardiogr** 1981 Sep;11(3):765–77 (Eng. Abstr.) **(Jpn)**

[Exercise echocardiography: relationship between interventricular septal wall dynamics and electrocardiographic changes during ischemia (author's transl)] Naito H, et al. **J Cardiogr** 1981 Dec;11(4):1205–14 (Eng. Abstr.) **(Jpn)**

[Blood flow analysis with pulsed echo Doppler cardiography in valvular pulmonary stenosis (author's transl)] Okamoto M, et al. **J Cardiogr** 1981 Dec;11(4):1291–301 (Eng. Abstr.) **(Jpn)**

[Echocardiographic observations on mechanisms for abnormal interventricular septal motion in congenital total absence of the left pericardium (author's transl)] Oki T, et al. **J Cardiogr** 1981 Jun;11(2):649–60 (Eng. Abstr.) **(Jpn)**

[Usefulness and limitation of two-dimensional echocardiography in the diagnosis of acute dissecting aneurysm of the aorta (author's transl)] Okumachi F, et al. **J Cardiogr** 1981 Dec;11(4):1169–80 (Eng. Abstr.) **(Jpn)**

[Phonocardiographic and ultrasonocardiographic findings in seven cases of coronary artery fistula (author's transl)] Sasaki Y, et al. **J Cardiogr** 1981 Dec;11(4):1303–18 (Eng. Abstr.) **(Jpn)**

[Hemodynamic significance of shoulder formation of the mitral valve echogram (author's transl)] Shiina A, et al. **J Cardiogr** 1981 Jun;11(2):517–27 (Eng. Abstr.) **(Jpn)**

[Clinical study on left atrial thrombi: comparative study between echocardiography and CT scan (author's transl)]

Shimada E, et al. **J Cardiogr** 1981 Sep;11(3):933–44 (Eng. Abstr.) **(Jpn)**

[Echocardiographic evaluation of the left ventricular contraction in cases with atrial fibrillation (author's transl)] Suzuki H, et al. **J Cardiogr** 1981 Jun;11(2):509–16 (Eng. Abstr.) **(Jpn)**

[Cross-sectional echocardiographic features of mobile left ventricular thrombi (author's transl)] Takagi Y, et al. **J Cardiogr** 1981 Sep;11(3):957–67 (Eng. Abstr.) **(Jpn)**

[Detection of exercise induced left ventricular asynergy by two-dimensional echocardiography (author's transl)] Takahashi H, et al. **J Cardiogr** 1981 Dec;11(4):1193–203 (Eng. Abstr.) **(Jpn)**

[Systolic time intervals and echocardiographic parameters in Hegglin syndrome (author's transl)] Takahashi R, et al. **J Cardiogr** 1981 Sep;11(3):871–80 (Eng. Abstr.) **(Jpn)**

[Left ventricular inflow velocity patterns of mitral stenosis by pulsed Doppler echocardiography: comparisons with two cases of left atrial myxoma (author's transl)] Takemura H, et al. **J Cardiogr** 1981 Sep;11(3):703–16 (Eng. Abstr.) **(Jpn)**

[Accuracy of echocardiographic measurements in assessing left ventricular performance (author's transl)] Tamura T, et al. **J Cardiogr** 1981 Jun;11(2):497–507 (Eng. Abstr.) **(Jpn)**

[Echocardiographic triangular patterns of the mitral valve in acute myocardial infarction: a clinical and experimental study (author's transl)] Tanimoto M, et al. **J Cardiogr** 1981 Sep;11(3):813–24 (Eng. Abstr.) **(Jpn)**

[Atrial filling fraction obtained by aortic root echocardiogram: its consecutive change in acute myocardial infarction (author's transl)] Uchida T, et al. **J Cardiogr** 1981 Sep;11(3):921–32 (Eng. Abstr.) **(Jpn)**

[Echocardiographic and non-gated computed tomographic findings of intrapericardial tumor and mediastinal tumor adjacent to the heart (author's transl)] Ueda M, et al. **J Cardiogr** 1981 Sep;11(3):979–88 (Eng. Abstr.) **(Jpn)**

[Estimation of right ventricular morphology by two-dimensional echocardiography (author's transl)] Watanabe T, et al. **J Cardiogr** 1981 Sep;11(3):891–9 (Eng. Abstr.) **(Jpn)**

[Subcostal echocardiographic approach to the interatrial septum in mitral valvular diseases (author's transl)] Yanagisawa K, et al. **J Cardiogr** 1981 Jun;11(2):341–51 (Eng. Abstr.) **(Jpn)**

[Subxiphoid echocardiographic visualization of membranous septal defect: detection of both right-to-left and left-to-right shunts with an aid of contrast technique (author's transl)] Yoshida H, et al. **J Cardiogr** 1981 Jun; 11(2):563–71 **(Jpn)**

[Abnormal left ventricular configuration and contraction in patients with mitral stenosis: a cross-sectional echocardiographic study (author's transl)] Yoshida K, et al. **J Cardiogr** 1981 Sep;11(3):693–701 (Eng. Abstr.) **(Jpn)**

[Echocardiographic application for the quantitation of the volume of pericardial effusion (author's transl)] Yoshimura T, et al. **J Cardiogr** 1981 Sep;11(3):997–1008 (Eng. Abstr.) **(Jpn)**

[Comparative study of left ventricular function using radionuclide imaging and echocardiography (author's transl)] Kambara H, et al. **Kokyu To Junkan** 1982 Mar; 30(3):241–5 **(Jpn)**

[Handgrip-exercise echocardiography for the diagnosis of ischemic heart disease (author's transl)] Mitamura H. **Kokyu To Junkan** 1981 Oct;29(10):1099–107 (Eng. Abstr.) **(Jpn)**

[Assessment of left ventricular wall motion and function by cross-sectional echocardiography: with a special reference to a comparative study with radionuclide cardioangiography (author's transl)] Ono A, et al. **Kokyu To Junkan** 1982 Mar;30(3):275–82 (Eng. Abstr.) **(Jpn)**

[Two-dimensional echocardiographic study of the spatial interrelationship between the great arteries in various congenital heart anomalies (author's transl)] Satomi G, et al. **Kokyu To Junkan** 1982 Jan;30(1):71–80 (Eng. Abstr.) **(Jpn)**

[Evaluation of left ventricular function by echocardiogram compared with left ventriculogram (author's transl)] Tamura K. **Kokyu To Junkan** 1982 Mar;30(3):247–54 **(Jpn)**

[Perfusion scintigraphy, echocardiography and computed tomography in the diagnosis of pulmonary arteriovenous fistula (author's transl)] Tsuji K, et al. **Kokyu To Junkan** 1982 Feb;30(2):225–9 (Eng. Abstr.) **(Jpn)**

[Non-invasive diagnosis of heart diseases. (3). Mitral valve insufficiency] Yoshikawa J. **Kokyu To Junkan** 1982 Jan; 30(1):54 **(Jpn)**

[Echocardiographic assessment of cardiac function in secundum atrial septal defect for aged patients (author's transl)] Yamazaki Y, et al. **Kyobu Geka** 1981 Sep; 34(9):676–81 (Eng. Abstr.) **(Jpn)**

[Evaluation of the mitral valve in patients with mitral stenosis by two-dimensional echocardiography (author's transl)] Yamamoto M. **Nippon Kyobu Geka Gakkai Zasshi** 1981 Oct;29(10):1567–75 (Eng. Abstr.) **(Jpn)**

[Pre- and postoperative evaluation of mitral stenosis by echocardiography--with special reference to the left ventricular performance (author's transl)] Yasuno K. **Nippon Kyobu Geka Gakkai Zasshi** 1982 Mar;30(3):394–404 (Eng. Abstr.) **(Jpn)**

[Hemodynamic study of essential hypertension by echocardiography (author's transl)] Kamijima J. **Nippon Naika Gakkai Zasshi** 1981 Aug 10;70(8):1123–31 **(Jpn)**

[Echocardiographic findings on ventricular septal rupture complicating acute myocardial infarction (author's transl)] Kawasaki K, et al. **Nippon Naika Gakkai Zasshi** 1981 Jun 10;70(6):872–80 **(Jpn)**

[UCG observation of multiple ventricular extrasystole] Kotake H, et al. **Nippon Rinsho** 1981 Aug;39(8):2903–7 **(Jpn)**

[Ultrasonic determination of blood flow volume in ischemic heart diseases] Ohuchi Y. **Nippon Rinsho** 1981;39(7):2541–6 (15 ref.) **(Jpn)**

[Present status of ultrasonic diagnosis in cardiology (author's transl)] Tanaka M. **Rinsho Byori** 1981;29(10):992–9 **(Jpn)**

[Echocardiography in differential diagnosis of causes of mitral valve insufficiency] Dabrowska B, et al. **Kardiol Pol** 1981;24(1):71–80 (30 ref.) (Eng. Abstr.) **(Pol)**

[Use of echocardiography for cardiac evaluation in arterial hypertension] Deka-Starosta A, et al. **Kardiol Pol** 1981; 24(11–12):815–20 (31 ref.) **(Pol)**

[Echocardiographic evaluation of pulmonary hypertension in congenital heart defects in children] Kawalec W, et al. **Kardiol Pol** 1982;25(2):107–12 (Eng. Abstr.) **(Pol)**

[Value of echocardiography in the diagnosis of obstructive and nonobstructive hypertrophic cardiomyopathy compared to catheterization] Krzemińska-Pakula M, et al. **Kardiol Pol** 1982;25(1):33–42 (Eng. Abstr.) **(Pol)**

[Marfan's syndrome in the echocardiographic image] Aleszewicz-Baranowska J, et al. **Pediatr Pol** 1981 Oct; 56(10):1165–73 (Eng. Abstr.) **(Pol)**

[Value of echocardiographic examination for evaluation of the degree of aortic valve stenosis] Ereciński J, et al. **Pediatr Pol** 1981 Oct;56(10):1149–55 (Eng. Abstr.) **(Pol)**

[Echocardiographic diagnosis of primary hypertrophic and congestive cardiomyopathies in children] Kawalec W, et al. **Pediatr Pol** 1981 Oct;56(10):1141–8 (Eng. Abstr.) **(Pol)**

[Echocardiographic aspects of infectious endocarditis] Gouveia R, et al. **Acta Med Port** 1981 Mar–Apr;3(2):77–98 (Eng. Abstr.) **(Por)**

[Echocardiographic aspects of dura mater prosthesis] Del Castilho JM, et al. **Arq Bras Cardiol** 1981 Sep;37(3):181–7 (Eng. Abstr.) **(Por)**

[Echocardiographic aspects of systemic arterial hypertension] Fuks J, et al. **Arq Bras Cardiol** 1981 May;36(5):345–8 (Eng. Abstr.) **(Por)**

[A new echocardiographic index for the evaluation of right intraventricular obstruction in isolated intraventricular communication] Morr IA, et al. **Arq Bras Cardiol** 1981 Jun; 36(6):397–401 (Eng. Abstr.) **(Por)**

[Echocardiographic diagnosis of the rupture of mitral chordae tendineae] Thevénard R, et al. **Arq Bras Cardiol** 1981 Jun;36(6):407–12 (Eng. Abstr.) **(Por)**

[Modern non-invasive examination of the myocardial infarct patient. II-A] Gherasim L, et al. **Rev Med Interna [Med Interna]** 1981 Sep–Oct;33(5):321–37 (72 ref.) **(Rum)**

[Echocardiographic evaluation of mitral valve function in healthy pregnant women and those with a combined mitral defect] Titchenko LI. **Akush Ginekol (Mosk)** 1981 May; (5):45–8 (Eng. Abstr.) **(Rus)**

[Correlation of the quantitative ECG and echocardiogram indices in left ventricular hypertrophy according to correlational analysis data] Alekperov II, et al. **Kardiologiia** 1981 Nov;21(11):90–3 (Eng. Abstr.) **(Rus)**

[Myocardial functional dynamics in hypertension based on repeated echocardiographic data] Bakhshaliev AB, et al. **Kardiologiia** 1981 Jul;21(7):74–6 (Eng. Abstr.) **(Rus)**

[Use of echocardiography in diagnosing heart failure in the acute stage of myocardial infarct] Charchoglian RA, et al. **Kardiologiia** 1981 Dec;21(12):42–4 (Eng. Abstr.) **(Rus)**

[Ultrasonic Doppler-pulse location in the diagnosis of heart diseases] Lukushkina EF, et al. **Kardiologiia** 1981 Nov; 21(11):116–8 (53 ref.) **(Rus)**

[Doppler cardiography in hypertension] Shul'ga IuD, et al. **Kardiologiia** 1982 Mar;22(3):114–5 **(Rus)**

[Echocardiographic diagnosis of the mitral valve cusp flotation syndrome] Storozhakov GI, et al. **Kardiologiia** 1981 Nov;21(11):82–5 (Eng. Abstr.) **(Rus)**

[Echocardiography in infectious endocarditis] Kasatova TB, et al. **Klin Med (Mosk)** 1981 Feb;59(2):81–5 (Eng. Abstr.) **(Rus)**

[Left ventricular contractile function in myocardial infarct based on echocardiographic data] Korytnikov KI, et al. **Klin Med (Mosk)** 1981 Jun;59(6):34–7 **(Rus)**

[Age-related characteristics of the echocardiographic indices of the healthy human being] Babin AM. **Kosm Biol Aviakosm Med** 1982 Mar–Apr;16(2):82–4 (Eng. Abstr.) **(Rus)**

[Potential information value of the ultrasonic Doppler cardiographic method in assessing coronary circulation] Bednenko VS, et al. **Kosm Biol Aviakosm Med** 1981 Sep–Oct;15(5):58–61 (Eng. Abstr.) **(Rus)**

[Echocardiography in assessing the morphofunctional state of the heart before and after open surgical correction of acquired heart defects in children] Ivanov AP, et al. **Pediatriia** 1982 Mar;(3):48–50 (Eng. Abstr.) **(Rus)**

[Echocardiography and electrocardiography in evaluating myocardial status in children with mucoviscidosis] Oskolkova MK, et al. **Pediatriia** 1982 Mar;(3):44–7 (Eng. Abstr.) **(Rus)**

[Comparative value of electro- and echocardiography in the diagnosis of left ventricular hypertrophy] Ostapiuk FE, et al. **Sov Med** 1981;(10):7–11 (Eng. Abstr.) **(Rus)**

[Echocardiographic characteristics of the hypertensive heart] Sinopal'nikov AI. **Voen Med Zh** 1982 Jun;(6):34–7 **(Rus)**

[Contractile capacity of the myocardium in acute myocardial infarct based on echocardiographic data] Latoguz IK, et al. **Vrach Delo** 1982 Apr;(4):42–4 (Eng. Abstr.) **(Rus)**

[Echocardiographic sign of SAM: systolic anterior motion of the mitral valve] Lambić IS. **Srp Arh Celok Lek** 1980 May;108(5):535–7 **(Scc)**

[Echocardiogram in infundibular pulmonary artery stenosis] Lambić IS. **Srp Arh Celok Lek** 1980 Nov;108(11):1191–2 **(Scc)**

[Clinico-echocardiographic analysis in 40 patients with acute myocardial infarction] Coló Hernández J, et al. **Arch Inst Cardiol Mex** 1982 Jan–Feb;52(1):39–49 (Eng. Abstr.) **(Spa)**

[New echocardiographic (M-mode) index for evaluation of left ventricular end-diastolic pressure in chronic aortic regurgitation (author's transl)] Dallo LO, et al. **Arch Inst Cardiol Mex** 1982 May–Jun;52(3):205–11 (Eng. Abstr.) **(Spa)**

[Ventricular rigidity in mitral stenosis measured by an echocardiographic and hemodynamic method] Rivera JM, et al. **Arch Inst Cardiol Mex** 1981 May–Jun;51(3):273–7 (Eng. Abstr.) **(Spa)**

[Echocardiographic study of corrected transposition (author's transl)] Vargas Barrón J, et al. **Arch Inst Cardiol Mex** 1982 May–Jun;52(3):219–22 (Eng. Abstr.) **(Spa)**

[Mitral valve prolapse and infectious endocarditis] Casabe JH, et al. **Medicina (B Aires)** 1981;41(2):201–8 (Eng. Abstr.) **(Spa)**

[Contribution of echocardiography to the surgical indications in infectious endocarditis] Torino A, et al. **Medicina (B Aires)** 1981;41(2):125–31 (Eng. Abstr.) **(Spa)**

[Infectious tricuspid endocarditis. Clinical and echocardiographic study] Torino AF, et al. **Medicina (B Aires)** 1981;41(5):535–42 (Eng. Abstr.) **(Spa)**

[Echocardiographic study of left ventricular function following increases in afterload] Feldstein CA, et al. **Rev Clin Esp** 1981 Jul 15–31;162(1–2):43–8 (Eng. Abstr.) **(Spa)**

[Abstracts of the International Symposium on Ultrasound in Cardiology. Madrid, 27–28 February 1981] **Rev Esp Cardiol** 1982;35(2):176–200 **(Spa)**

[Symmetrical parietal hypertrophy of inapparent cause: a key finding in the diagnosis of primary amyloidosis with a restrictive cardiac syndrome] Azpitarte J, et al. **Rev Esp Cardiol** 1982;35(2):165–70 (Eng. Abstr.) **(Spa)**

[Role of M-mode echocardiography in the diagnosis of infectious endocarditis] De Artaza M, et al. **Rev Esp Cardiol** 1981;34(5):381–7 (Eng. Abstr.) **(Spa)**

[Doppler ultrasound: an advance in the diagnosis of valvulopathies] García-Dorado AD, et al. **Rev Esp Cardiol** 1981;34(6):497–505 (Eng. Abstr.) **(Spa)**

[Aneurysm of the right sinus of Valsalva rupturing into the right ventricle: echocardiographic signs] García-Dorado D, et al. **Rev Esp Cardiol** 1982;35(2):171–3 (Eng. Abstr.) **(Spa)**

[Analysis of mathematical models for the quantification of ventricular volumes and ejection fraction by 2-dimensional echocardiography] García-Fernández MA, et al. **Rev Esp Cardiol** 1982;35(2):107–13 (Eng. Abstr.) **(Spa)**

[Echocardiography in Spain 1982] Martínez Elbal L. **Rev Esp Cardiol** 1982;35(2):103–6 **(Spa)**

[Etiological and anatomical diagnosis of rupture of the chorda tendineae by two-dimensional echocardiography] Oliver JM, et al. **Rev Esp Cardiol** 1982;35(1):39–44 (Eng. Abstr.) **(Spa)**

[Echocardiographic diagnosis of valve rupture in dura mater biological prostheses in the mitral position] Serés L, et al. **Rev Esp Cardiol** 1982;35(2):141–5 (Eng. Abstr.) **(Spa)**

[Echocardiographic determination of the changes in ventricular ejection volume caused by changes in the atrial contraction time in patients with pacemakers] Núñez Jáuregui P. **Rev Med Panama** 1982 Jan;7(1):59–71 (Eng. Abstr.) **(Spa)**

HISTORY

A historical review of echocardiographic detection of pericardial effusion. Chang S, et al. **Jpn Heart J** 1981 Sep; 22(5):789–800

INSTRUMENTATION

Systolic time intervals measured by pulsed ultrasound-Doppler. Lang-Jensen T. **Acta Anaesthesiol Scand** 1981 Dec;25(6):461–2

A mechanical arm for spatial registration of two-dimensional echocardiographic sections. Geiser EA, et al. **Cathet Cardiovasc Diagn** 1982;8(1):89–101

Echocardiography. Roy CP, et al. **J Indian Med Assoc** 1981 Oct 16;77(8):138–41

Digital Fourier techniques in the diagnosis and quantification of aortic stenosis with pulsed-Doppler echocardiography. Cannon SR, et al. **JCU** 1982 Mar;10(3):101-7

[Clinical value of the computer analysis of echocardiogram] Hanrath P. **Verh Dtsch Ges Herz Kreislaufforsch** 1981; 47:171-80 **(Ger)**

METHODS

Early echocardiographic detection of acute myocardial infarction. Kounis NG, et al. **Acta Cardiol (Brux)** 1981; 36(6):403-9

Two-dimensional echocardiographic features of Löffler's endocarditis. Lengyel M, et al. **Acta Cardiol (Brux)** 1982; 37(1):59-69

Quantitation of left ventricular function by two-dimensional echocardiography. Meltzer RS, et al. **Acta Cardiol [Suppl] (Brux)** 1981;26:73-80

Digitizing two dimensional echocardiographical images. van Ocken E, et al. **Acta Cardiol [Suppl] (Brux)** 1981;26:81-3

Two-dimensional echocardiographic features of submitral left ventricular aneurysm. Davis MD, et al. **Am Heart J** 1982 Feb;103(2):289-90

Two-dimensional echocardiographic detection of staphylococcal vegetation attached to calcified mitral anulus. D'Cruz IA, et al. **Am Heart J** 1982 Feb;103(2):295-8

High-speed echophonocardiograhic detection of tricuspid valve prolapse in mitral valve prolapse with discrepancy in onset of systolic murmur. Doi YL, et al. **Am Heart J** 1982 Feb;103(2):301-3

Two-dimensional echocardiographic identification of hemitruncus: anomalous origin of one pulmonary artery from ascending aorta with the other pulmonary artery arising normally from right ventricle. Duncan WJ, et al. **Am Heart J** 1981 Nov;102(5):892-6

High predictive accuracy for detection of left main coronary artery disease by antilog signal processing of two-dimensional echocardiographic images. Friedman MJ, et al. **Am Heart J** 1982 Feb;103(2):194-201

Dynamic three-dimensional echocardiographic reconstruction of the intact human left ventricle: technique and initial observations in patients. Geiser EA, et al. **Am Heart J** 1982 Jun;103(6):1056-65

Postoperative abnormalities of interventricular septal motion: two-dimensional and M-mode echocardiographic correlations. Kerber RE, et al. **Am Heart J** 1982 Aug;104(2 Pt 1):263-8

Echocardiographic features of ventricular septal defect patch dehiscence. Mostow N, et al. **Am Heart J** 1981 Nov; 102(5):941-2

Reliable estimation of peak left ventricular systolic pressure by M-mode echographic-determined end-diastolic relative wall thickness: identification of severe valvular aortic stenosis in adult patients. Reichek N, et al. **Am Heart J** 1982 Feb;103(2):202-3

Detection of left ventricular aneurysm on two dimensional echocardiography. Baur HR, et al. **Am J Cardiol** 1982 Jul; 50(1):191-6

Two dimensional Doppler echocardiographic/M mode echocardiographic and phonocardiographic method for study of extracardiac heterograft valved conduits in the right ventricular outflow tract position. Canale JM, et al. **Am J Cardiol** 1982 Jan;49(1):100-7

Echocardiographic pulsed Doppler features of absent pulmonary valve syndrome in the neonate. Cheatham JP, et al. **Am J Cardiol** 1982 May;49(7):1773-7

Pulsed Doppler echocardiography in the diagnosis and estimation of severity of aortic insufficiency. Ciobanu M, et al. **Am J Cardiol** 1982 Feb 1;49(2):339-43

M mode and cross-sectional echocardiographic recognition of fibrosis and calcification of the mitral valve chordae and left ventricular papillary muscles. Come PC, et al. **Am J Cardiol** 1982 Feb 1;49(2):461-6

Left and right ventricular morphology in complex congenital heart disease defined by two dimensional echocardiography. Foale R, et al. **Am J Cardiol** 1982 Jan; 49(1):93-9

Accuracy of M mode echocardiographic measurements of the left ventricle. Friedman MJ, et al. **Am J Cardiol** 1982 Mar;49(4):716-23

Sensitivity and specificity of M mode echocardiographic signs of mitral valve prolapse. Haikal M, et al. **Am J Cardiol** 1982 Jul;50(1):185-90

Two dimensional echographic imaging of the left ventricle: comparison of mechanical and phased array systems in vitro. Helak JW, et al. **Am J Cardiol** 1981 Oct;48(4):728-35

Positive contrast echocardiography in patients with patent foramen ovale and normal right heart hemodynamics. Kronik G, et al. **Am J Cardiol** 1982 May;49(7):1806-9

Noninvasive diagnosis of left coronary arteriovenous fistula communicating with the right ventricle. Kronzon I, et al. **Am J Cardiol** 1982 May;49(7):1811-3

Real time two dimensional echocardiography in constrictive pericarditis. Lewis BS. **Am J Cardiol** 1982 May; 49(7):1789-93

Two dimensional echocardiographic evaluation of exercise-induced left and right ventricular asynergy: correlation with thallium scanning. Maurer G, et al. **Am J Cardiol** 1981 Oct;48(4):720-7

Two dimensional echocardiographic analysis of wall motion abnormalities during handgrip exercise in patients with coronary artery disease. Mitamura H, et al. **Am J Cardiol** 1981 Oct;48(4):711-9

Pulsed Doppler echocardiography in diagnosis of pulmonary regurgitation: its value and limitations. Patel AK, et al. **Am J Cardiol** 1982 May;49(7):1801-5

Valve ring abscess in infective endocarditis: visualization with wide angle two dimensional echocardiography. Scanlan JG, et al. **Am J Cardiol** 1982 May;49(7):1794-800

Aortitis in ankylosing spondylitis: early detection of aortic root abnormalities with two dimensional echocardiography. Tucker CR, et al. **Am J Cardiol** 1982 Mar;49(4):680-6

Characterization of left ventricular mechanical function during arrhythmias with two dimensional echocardiography. I. Premature ventricular contractions. Uchiyama T, et al. **Am J Cardiol** 1981 Oct;48(4):679-89

Real-time--directed M-mode echocardiography: a new technique for accurate and rapid quantitation of the fetal preejection period and ventricular ejection time of the right and left ventricles. DeVore GR, et al. **Am J Obstet Gynecol** 1981 Oct 15;141(4):470-1

Cardiac amyloidosis--diagnosis by 2-dimensional echocardiography. Choo MH, et al. **Ann Acad Med Singapore** 1982 Jan;11(1):98-100

M-mode echogram as a means of distinguishing between mild and severe mitral stenosis. Hall R, et al. **Br Heart J** 1981 Nov;46(5):486-91

Two-dimensional echocardiography in infants with persistent truncus arteriosus. Houston AB, et al. **Br Heart J** 1981 Nov;46(5):492-7

Rapid estimation of echocardiographic peak velocity of circumferential fibre shortening (peak Vcf). Ko P, et al. **Br Heart J** 1981 Jul;46(1):35-40

Evaluation of left ventricular performance during supine exercise by transoesophageal M-mode echocardiography in normal subjects. Matsumoto M, et al. **Br Heart J** 1982 Jul;48(1):61-6

Transoesophageal cross-sectional echocardiography with a phased array transducer system. Technique and initial clinical results. Schlüter M, et al. **Br Heart J** 1982 Jul; 48(1):67-72

Detection and assessment of straddling and overriding atrioventricular valves by two dimensional echocardiography. Smallhorn JF, et al. **Br Heart J** 1981 Sep;46(3):254-62

Left atrial volume estimation by two-dimensional echocardiography. Schabelman S, et al. **Cathet Cardiovasc Diagn** 1981;7(2):165-78

Combined exercise echocardiography [letter] Berberich SN, et al. **Chest** 1981 Sep;80(3):336

Ventricular interdependence in severe cystic fibrosis. A two-dimensional echocardiographic study. Jacobstein MD, et al. **Chest** 1981 Oct;80(4):399-404

Real-time two-dimensional echocardiography in differentiating vascular from nonvascular mediastinal lesions. Mintz GS, et al. **Chest** 1982 Jun;81(6):718-22

M-mode and two-dimensional echocardiography in congenital absence of the pericardium. Nicolosi GL, et al. **Chest** 1982 May;81(5):610-3

Two-dimensional echocardiographic findings of cardiovascular involvement by invasive thymoma. Nishimura T, et al. **Chest** 1982 Jun;81(6):752-4

Mitral valve prolapse. Cross sectional and provocative M-mode echocardiography. Noble LM, et al. **Chest** 1982 Aug;82(2):158-63

Unreliability of M-mode left ventricular dimensions for calculating stroke volume and cardiac output in patients without heart disease. Rasmussen S, et al. **Chest** 1982 May; 81(5):614-9

Echocardiography in mitral valve prolapse [editorial] Ronan JA. **Chest** 1982 Sep;82(3):265

Circumflex coronary artery aneurysm visualized by real-time cross-sectional echocardiography. A possible sequelae of previously unrecognized coronary arteritis in the adult. Stephens DD, et al. **Chest** 1982 Apr;81(4):513-5

Two-dimensional echocardiographic evaluation of mitral valve calcification. Sensitivity and specificity. Zanolla L, et al. **Chest** 1982 Aug;82(2):154-7

Assessment of myocardial perfusion abnormalities with contrast-enhanced two-dimensional echocardiography. Armstrong WF, et al. **Circulation** 1982 Jul;66(1):166-73

Two-dimensional echocardiographic features of right ventricular infarction. D'Arcy B, et al. **Circulation** 1982 Jan;65(1):167-73

Immediate diagnosis of acute myocardial infarction by two-dimensional echocardiography. Horowitz RS, et al. **Circulation** 1982 Feb;65(2):323-9

Two-dimensional echocardiographic assessment of left ventricular volumes and ejection fraction in children. Mercier JC, et al. **Circulation** 1982 May;65(5):962-9

Detection of mitral ring abscess by two-dimensional echocardiography. Nakamura K, et al. **Circulation** 1982 Apr;65(4):816-9

Serial evaluation of myocardial thickening and thinning in acute experimental infarction: identification and quantification using two-dimensional echocardiography. Nieminen M, et al. **Circulation** 1982 Jul;66(1):174-80

Evaluation of combined valvular prolapse syndrome by two-dimensional echocardiography. Ogawa S, et al. **Circulation** 1982 Jan;65(1):174-80

Optimal resources for ultrasonic examination of the heart. Echocardiography study group. Popp RL, et al. **Circulation** 1982 Feb;65(2):423A-431A (41 ref.)

A new, simplified and accurate method for determining ejection fraction with two-dimensional echocardiography. Quinones MA, et al. **Circulation** 1981 Oct;64(4):744-53

Echocardiographic detection of left main coronary artery obstruction. Rink LD, et al. **Circulation** 1982 Apr; 65(4):719-24

A new two-dimensional echocardiographic technique for evaluating right ventricular size and performance in patients with obstructive lung disease. Starling MR, et al. **Circulation** 1982 Sep;66(3):612-20

Detection of left ventricular thrombus by two-dimensional echocardiography: sensitivity, specificity, and causes of uncertainty. Stratton JR, et al. **Circulation** 1982 Jul; 66(1):156-66

Subcostal two-dimensional echocardiographic imaging of peripheral right coronary artery in Kawasaki disease. Yoshida H, et al. **Circulation** 1982 May;65(5):956-61

Noninvasive visualization of the dilated main coronary arteries in coronary artery fistulas by cross-sectional echocardiography. Yoshikawa J, et al. **Circulation** 1982 Mar;65(3):600-3

Simultaneous contrast imaging of the left ventricle by two-dimensional echocardiography and standard ventriculography. Barrett MJ, et al. **Clin Cardiol** 1982 Mar; 5(3):208-13

The superiority of mitral E point-ventricular septum separation to other echocardiographic indicators of left ventricular performance. D'Cruz IA, et al. **Clin Cardiol** 1979 Apr;2(2):140-5

Approaches to determination of left ventricular volume and ejection fraction by real-time two-dimensional echocardiography. Parisi AF, et al. **Clin Cardiol** 1979 Aug; 2(4):257-63

Continuous Doppler echocardiography. Chandraratna PA, et al. **Compr Ther** 1982 May;8(5):68-72

Computer processing of echo-mechanocardiograms: methods and results. Aubert AE, et al. **Comput Biomed Res** 1982 Feb;15(1):57-75

M-mode and cross-sectional (2D) echocardiograms in the diagnosis of mitral valve prolapse. Brown AK, et al. **Eur Heart J** 1981 Apr;2(2):147-54

Non-invasive diagnosis of a pericardial cyst. Combined use of M-mode echocardiography and computed tomography. Daniel WG, et al. **Eur Heart J** 1980 Jun;1(3):201-6

Echocardiographic estimation of left atrial size from the apical view. Gradin-Frimmer G, et al. **Eur Heart J** 1982 Apr;3(2):159-63

Estimation of left ventricular volume from apical orthogonal 2-D echocardiograms. Jenni R, et al. **Eur Heart J** 1981 Jun;2(3):217-25

Some thoughts about cross-sectional views of two-dimensional echocardiography. Krayenbuhl HP, et al. **Eur Heart J** 1981 Apr;2(2):163-6

Critical assessment of two-dimensional echocardiographic estimation of the mitral valve area in rheumatic mitral valve disease: calcific deposits in the valve as a major determinant of the accuracy of the method. Marino P, et al. **Eur Heart J** 1981 Jun;2(3):197-203

Sector scanning views in echocardiography: a systematic approach. Relationship of 2D echo views to other cardiac imaging techniques. Meltzer RS, et al. **Eur Heart J** 1980 Oct;1(5):379-94

Contrast echocardiography: transmission of echoes to the left heart across the pulmonary vascular bed. Reale A, et al. **Eur Heart J** 1980 Apr;1(2):101-6

Echocardiographic assessment of left ventricular hypertrophy. Reichek N. **Eur Heart J** 1982 Apr;3 Suppl A:49-57 (43 ref.)

Sub-xiphoid echocardiography--a new approach to the diagnosis and differentiation of atrioventricular defects. Sutherland GR, et al. **Eur Heart J** 1980 Feb;1(1):45-54

M-mode echocardiographic evaluation of rheumatic mitral valve disease using diastolic separation of mitral leaflets. Comparison between this index and direct measurement of the two-dimensional image in predicting mitral valve orifice area. Zanolla L, et al. **Eur Heart J** 1981 Jun; 2(3):205-10

Place of M-mode echocardiography in the clinical decision. Hall RJ. **Herz** 1980 Aug;5(4):199-212

Two dimensional echocardiography. Shah HL. **Indian Heart J Teach Ser** 1980;(8):434-40

Ambulatory echocardiography. Mirvis DM. **Indian Pediatr** 1982 Jan;19(1):53-61 (41 ref.)

Correlation between cardiac catheterization and echocardiography in assessing the severity of mitral stenosis. Motro M, et al. **Int J Cardiol** 1981;1(1):25-34

Comparative echocardiographic examinations in sitting and supine position at rest and during dynamic exercise. Dickhuth HH, et al. **Int J Sports Med** 1981 Aug;2(3):178-81

A method to estimate cardiac volume by two-dimensional echocardiograms recorded from one extracorporeal point. Watanabe Y, et al. **J Biomed Eng** 1982 Apr;4(2):125-8

Transesophageal echocardiographic evaluation of left ventricular function at rest and during dynamic exercise in aortic insufficiency. Matsumoto M, et al. **J Cardiogr** 1981 Dec;11(4):1147-57

Right ventricular volume determination by two-dimensional echocardiography. Saito A, et al. **J Cardiogr** 1981 Dec; 11(4):1159-68

Two-dimensional echocardiographic diagnosis of a ventricular septal aneurysm. Akman D, et al. **J La State Med Soc** 1981 Sep;133(9):136-7

Flail mitral leaflet: an echocardiographic diagnosis. Agarwal

SK, et al. **J Med Soc NJ** 1982 May;79(5):404–8

The role of two–dimensional echocardiography in the detection of potentially embolic intracardiac masses in patients with cerebral ischaemia. Donaldson RM, et al. **J Neurol Neurosurg Psychiatry** 1981 Sep;44(9):803–9

Two–dimensional ultrasound and cardiac operations. Spotnitz HM. **J Thorac Cardiovasc Surg** 1982 Jan; 83(1):43–51

Ruptured aneurysm of the right sinus of Valsalva: two pulsed Doppler echocardiographic studies. Yokoi K, et al. **JCU** 1981 Nov–Dec;9(9):505–10

Detection of tricuspid regurgitation by contrast echocardiography. Amano K, et al. **Jpn Circ J** 1982 Apr; 46(4):395–401

Transmitral blood flow reflecting diastolic behavior of the left ventricle in health and disease—a study by pulsed Doppler technique. Kitabatake A, et al. **Jpn Circ J** 1982 Jan;46(1):92–102

Idiopathic mitral valve prolapse–analysis by real–time two–dimensional echocardiography. Nagata S, et al. **Jpn Circ J** 1982 Apr;46(4):369–76

Cross–sectional echocardiographic study on atrial septal defect: pre– and postoperative considerations. Hibi N, et al. **Jpn Heart J** 1982 Mar;23(2):147–59

Clinical study on the abnormal flow patterns in Ebstein's anomaly using pulsed Doppler echocardiography. Ichimiya S, et al. **Jpn Heart J** 1981 Sep;22(5):715–28

Aortic regurgitation with dove–coo murmur with special references to the mechanism of its generation using dual echocardiography. Kohno K, et al. **Jpn Heart J** 1981 Sep; 22(5):861–9

Severity of mitral regurgitation assessed by echocardiography. Reliability and limitations. Maione S, et al. **Jpn Heart J** 1981 Sep;22(5):707–14

Superiority of two–dimensional echocardiography in the diagnosis of congenitally bicuspid aortic valve. Raizada V, et al. **Jpn Heart J** 1982 May;23(3):305–13

Echocardiographic manifestation of acute pulmonary thromboembolism. A case report. Shina A, et al. **Jpn Heart J** 1981 Sep;22(5):853–9

Pacing echocardiography: regional wall motion, left ventricular dimension and R wave amplitude in patients with angina pectoris. Takenaka K, et al. **Jpn Heart J** 1982 Jan;23(1):1–24

Definitive diagnosis of truncus arteriosus by two–dimensional echocardiography. Rice MJ, et al. **Mayo Clin Proc** 1982 Aug;57(8):476–81

Infective endocarditis of the aorta valve––demonstration of valvular vegetations by M–Mode and Cross–Sectional echocardiography. Ng WH. **Med J Malaysia** 1981 Dec; 36(4):205–8

Two dimensional echocardiography–a new technique in clinical practice. Sidek Nontak MA. **Med J Malaysia** 1981 Mar;36(1):52–7

The flail mitral leaflet. Fortuin NJ. **Med Times** 1981 Aug; 109(8):56–9

Fetal echocardiography for evaluation of in utero congestive heart failure. Kleinman CS, et al. **N Engl J Med** 1982 Mar 11;306(10):568–75

Echocardiography in Aspergillus endocarditis. Kleiman MB. **Pediatrics** 1982 Feb;69(2):252–3

Noninvasive techniques in the diagnosis and treatment of acute myocardial infarction. Felner JM. **Primary Care** 1981 Sep;8(3):379–98 (37 ref.)

Use of ultrasound to determine the orientation of the left ventricle. Preparation for tomography with the seven–pinhole collimator. Chu RY, et al. **Radiology** 1982 Jan;142(1):241–2

High–quality imaging of a left atrial tumour using real–time two–dimensional echocardiography. Lewis BS, et al. **S Afr Med J** 1982 Jan 30;61(5):165–7

Two–dimensional echocardiography in predicting left ventricular wall motion abnormalities and left ventricular function. Glover MU, et al. **South Med J** 1982 Mar; 75(3):313–6

[Contrast echocardiography: clinical applications. Roelandt J, et al. **Verh Dtsch Ges Herz Kreislaufforsch** 1981; 47:185–92

Two–dimensional echocardiography. Costello D, et al. **West J Med** 1981 Aug;135(2):112–6

Two–dimensional echocardiographic detection of left atrial thrombi. Perry LS, et al. **Wis Med J** 1981 Nov;80(11):29–32

[2–dimensional echocardiography in cardiomyopathies] Gregor P, et al. **Vnitr Lek** 1982 Jun;28(6):534–9 (Eng. Abstr.) **(Cze)**

[2–dimensional echocardiography in acute myocardial infarct] Widimský P, et al. **Vnitr Lek** 1982 Jun;28(6):540–6 (Eng. Abstr.) **(Cze)**

[Contribution of pulmonary cardiac ultrasound for evaluation of pulmonary arterial pressure data (author's transl)] Laffay N, et al. **Ann Cardiol Angeiol (Paris)** 1981 Oct;30(5):313–8 (Eng. Abstr.) **(Fre)**

[Echo bidimensional and acquired valvulopathies (author's transl)] Lesbre JP, et al. **Ann Cardiol Angeiol (Paris)** 1981 May;30(3):191–205 (Eng. Abstr.) **(Fre)**

[Bidimensional echocardiography : principles, effects, results in the healthy subject (author's transl)] Lesbre JP, et al. **Ann Cardiol Angeiol (Paris)** 1981 Nov;30(6):411–22 (Eng. Abstr.) **(Fre)**

[TM echocardiography in emergency diagnosis of congenital cardiac disease (author's transl)] Pernot C, et al. **Ann Cardiol Angeiol (Paris)** 1981 Dec;30(7):467–74 (Eng. Abstr.) **(Fre)**

[Place of echocardiography in the diagnosis of cardiac neoplasms. Report of twenty–eight cases (author's transl)] Sicart M, et al. **Ann Radiol (Paris)** 1981 Jun–Jul;24(5):473–6 (Eng. Abstr.) **(Fre)**

[Wide–angle two–dimensional echocardiographic study of the thoracic aorta and its branches] Boisante L, et al. **Arch Mal Coeur** 1982 Jul;75(7):729–45 (Eng. Abstr.) **(Fre)**

[TM–mode contrast echocardiography in the diagnosis of congenital cardiopathies] Cloez JL, et al. **Arch Mal Coeur** 1981 May;74(5):563–71 (Eng. Abstr.) **(Fre)**

[Quantitative semi–automatic analysis of the M mode echocardiogram] Farcot JC, et al. **Arch Mal Coeur** 1981 Oct;74(10):1143–53 (Eng. Abstr.) **(Fre)**

[Identification and localization of banding of the pulmonary artery by bidimensional echocardiography] Fermont L, et al. **Arch Mal Coeur** 1982 Feb;75(2):189–95 (Eng. Abstr.) **(Fre)**

[Contribution of bidimensional echocardiography to the diagnosis of aortic dissections in emergencies] Gateau P, et al. **Arch Mal Coeur** 1982 Feb;75(2):179–88 (Eng. Abstr.) **(Fre)**

[Echocardiographic anomaly of septal contraction after open heart surgery] Gourdier M, et al. **Arch Mal Coeur** 1982 Jan;75(1):73–83 (Eng. Abstr.) **(Fre)**

[Value of correction by receiving gains in the determination of mitral valve surface area by two–dimensional echocardiography] Kulas A, et al. **Arch Mal Coeur** 1982 Jul;75(7):757–66 (Eng. Abstr.) **(Fre)**

[Two–dimensional echocardiography and mitral valve involvement] Lesbre JP, et al. **Arch Mal Coeur** 1981 Oct; 74(10):1163–76 (Eng. Abstr.) **(Fre)**

[Echographic diagnosis of pulmonary hypertension in the adult] Nihoyannopoulos P, et al. **Arch Mal Coeur** 1982 Feb; 75(2):169–76 (Eng. Abstr.) **(Fre)**

[Comparative study of uni– and bidimensional echocardiography in the diagnosis of transposition of the great vessels without pulmonary stenosis. Apropos of 40 cases] Rey C, et al. **Arch Mal Coeur** 1981 May;74(5):547–54 (Eng. Abstr.) **(Fre)**

[Two–dimensional echocardiographic study of Ebstein's disease. Apropos of 16 cases] Roudaut R, et al. **Arch Mal Coeur** 1981 Oct;74(10):1177–84 (Eng. Abstr.) **(Fre)**

[Value of the transverse section of the heart in two–dimensional echography for improving the reproducibility of left ventricular measurements in TM echography] Viossat J, et al. **Arch Mal Coeur** 1982 May; 75(5):539–44 (Eng. Abstr.) **(Fre)**

[Does echocardiography Tm permit to determine the true contractile state of the left ventricle of hemodialysis patients? (author's transl)] Barthelemy M, et al. **Nephrologie** 1981;2(2):67–72 (Eng. Abstr.) **(Fre)**

[Echocardiographic measurement of true left ventricular inotropism in patients under haemodialysis (author's transl)] Barthelemy M, et al. **Nouv Presse Med** 1981 Nov 21; 10(42):3465–8 (Eng. Abstr.) **(Fre)**

[Visualization of the left coronary artery with two–dimensional echocardiography (author's transl)] Chivoret G, et al. **Nouv Presse Med** 1982 Jul 10–17; 11(32):2389–92 (Eng. Abstr.) **(Fre)**

[The significance of the self motion of the heart for the echo–cardiographic evaluation of the left ventricle] Hörtnagl H, et al. **Acta Med Austriaca** 1981;8(4):101–6 (Eng. Abstr.) **(Ger)**

[A new method for quantification of 2–dimensional echocardiographic images of the left ventricle (author's transl)] Klicpera M, et al. **Acta Med Austriaca** 1982; 9(2):50–4 (Eng. Abstr.) **(Ger)**

[One– and two–dimensional echography for aneurysms and dissections of the aorta (author's transl)] Bubenheimer P, et al. **Herz** 1980 Aug;5(4):226–40 (Eng. Abstr.) **(Ger)**

[M–mode echocardiography in the detection of intracardiac tumors (author's transl)] Heni HE. **Herz** 1980 Aug; 5(4):241–5 (Eng. Abstr.) **(Ger)**

[Use and limitations of M–mode echocardiography in the diagnosis of congenital heart disease in the critically–ill newborn (author's transl)] Schmaltz AA, et al. **Herz** 1980 Aug;5(4):213–22 (Eng. Abstr.) **(Ger)**

[Apical left ventricular hypertrophy: a form of hypertrophic, non–obstructive cardiomyopathy with giant negative T waves (author's transl)] Sheikhzadeh A, et al. **Herz** 1981 Dec;6(6):369–76 (Eng. Abstr.) **(Ger)**

[Echocardiographic assessment of atrial septal defect size (author's transl)] Steinbauer–Rosenthal I. **Herz** 1980 Aug; 5(4):223–5 (Eng. Abstr.) **(Ger)**

[Doppler–echocardiography] Jenni R, et al. **Verh Dtsch Ges Herz Kreislaufforsch** 1981;47:181–4 **(Ger)**

[Morphological diagnosis using M–mode echocardiography in adult cardiology] Köhler E. **Verh Dtsch Ges Herz Kreislaufforsch** 1981;47:144–60 **(Ger)**

[Morphologic diagnosis using 2–dimensional echocardiography in adult cardiology] Schweizer P, et al. **Verh Dtsch Ges Herz Kreislaufforsch** 1981;47:161–70 **(Ger)**

[Diagnostic possibilities using contrast echocardiography] Wagner G, et al. **Z Gesamte Inn Med** 1981 Jul 15; 36(14):486–90 (Eng. Abstr.) **(Ger)**

[Measurement of systolic time intervals by echocardiographic and conventional methods (author's transl)] Griebenow R, et al. **Z Kardiol** 1981 Sep;70(9):687–92 (Eng. Abstr.) **(Ger)**

[The diagnostic value of M–mode–, two–dimensional echocardiography, and computed tomography in comparison to the results of cardiac catheterization in the diagnosis of tumors of the heart (author's transl)] Köhler E, et al. **Z Kardiol** 1981 Aug;70(8):571–82 (Eng. Abstr.) **(Ger)**

[Echocardiographic assessment of left ventricular size and function in patients before and after aortic valve replacement (author's transl)] Köhler E, et al. **Z Kardiol** 1981 Sep;70(9):660–9 (Eng. Abstr.) **(Ger)**

[Diagnosis of transient acute myocardial ischemia in man by M–mode echocardiography (author's transl)] Distante A, et al. **G Ital Cardiol** 1981;11(9):1252–9 (Eng. Abstr.) **(Ita)**

[Two–dimensional contrast echocardiography of hepatic veins in the diagnosis of tricuspid regurgitation (author's transl)] Gambelli G, et al. **G Ital Cardiol** 1981;11(12):2010–6 (Eng. Abstr.) **(Ita)**

[Clinical application of echocardiokymography for detection of global and sectorial dyskinesias (author's transl)] Gambelli G, et al. **G Ital Cardiol** 1981;11(12):2003–9 (Eng. Abstr.) **(Ita)**

[Echocardiokymography: a new ultrasonic technique. Patterns in normal subjects (author's transl)] Gambelli G, et al. **G Ital Cardiol** 1981;11(9):1356–9 (Eng. Abstr.) **(Ita)**

[Pulsed echo–Doppler sensitivity and specificity for evaluation of mitral and aortic valve insufficiency (author's transl)] Magherini A, et al. **G Ital Cardiol** 1981;11(9):1260–5 (Eng. Abstr.) **(Ita)**

[Segmental analysis of congenital cardiopathies. Role of 2–dimensional echocardiography] Marsico F, et al. **G Ital Cardiol** 1981;11(12):1841–4 **(Ita)**

[Cardiac echinococcosis. Two–dimensional echocardiographic diagnosis (author's transl)] Picchio E, et al. **G Ital Cardiol** 1981;11(9):1327–31 (Eng. Abstr.) **(Ita)**

[Echocardiographic study in congestive cardiomyopathy] Alcini E, et al. **Minerva Med** 1981 Sep 19;72(34):2249–54 (Eng. Abstr.) **(Ita)**

[Two–dimensional echocardiographic diagnosis of congenital malformations of the aorta in infants and children (author's transl)] Hirose O, et al. **J Cardiogr** 1981 Jun;11(2):629–47 (Eng. Abstr.) **(Jpn)**

[Relationship between vascular diameter and intracardiac pressure in tricuspid or pulmonary insufficiency detected by contrast echocardiography (author's transl)] Jinbo M, et al. **J Cardiogr** 1981 Jun;11(2):457–66 (Eng. Abstr.) **(Jpn)**

[Classification of hypertrophic cardiomyopathy by real time cross–sectional echocardiography: correlation with M–mode echocardiographic findings and clinical features (author's transl)] Kawanishi H, et al. **J Cardiogr** 1981 Jun; 11(2):431–8 (Eng. Abstr.) **(Jpn)**

[Two–dimensional echocardiography in preoperative evaluation of mitral stenosis (author's transl)] Maeda M, et al. **J Cardiogr** 1981 Jun;11(2):353–8 (Eng. Abstr.) **(Jpn)**

[Pulmonary flow velocity patterns in patients with pulmonary hypertension: a study using pulsed Doppler echocardiography combined with two–dimensional echocardiography (author's transl)] Matsuda M, et al. **J Cardiogr** 1981 Jun;11(2):603–14 (Eng. Abstr.) **(Jpn)**

[Prediction of the location of left anterior descending coronary artery disease by anterior echocardiography and esophageal echocardiography (author's transl)] Matsuzaki M, et al. **J Cardiogr** 1981 Jun;11(2):401–14 (Eng. Abstr.) **(Jpn)**

[Assessment of pulmonary regurgitation by pulsed Doppler echocardiography (author's transl)] Miyatake K, et al. **J Cardiogr** 1981 Jun;11(2):615–28 (Eng. Abstr.) **(Jpn)**

[Mitral valve prolapse associated with secundum atrial septal defect: analysis by real–time two–dimensional echocardiography (author's transl)] Nagata S. **J Cardiogr** 1981 Jun;11(2):581–90 (Eng. Abstr.) **(Jpn)**

[Echocardiographic findings of variant angina (author's transl)] Nakamura M, et al. **J Cardiogr** 1981 Jun;11(2):391–9 (Eng. Abstr.) **(Jpn)**

[Two–dimensional echocardiographic findings during syncopal attack due to obstruction in the outflow tract of the left ventricle in a patient with hypertrophic obstructive cardiomyopathy (author's transl)] Nishiyama S, et al. **J Cardiogr** 1981 Jun;11(2):439–48 (Eng. Abstr.) **(Jpn)**

[Cross–sectional echocardiographic findings of a case with ruptured aneurysm of the sinus of Valsalva into the right atrium (author's transl)] Ohuchi Y, et al. **J Cardiogr** 1981 Jun;11(2):671–80 (Eng. Abstr.) **(Jpn)**

[Fetal echocardiography: structural evaluation of the fetal heart and prenatal diagnosis of congenital heart disease (author's transl)] Rikitake N, et al. **J Cardiogr** 1981 Dec; 11(4):1319–27 (Eng. Abstr.) **(Jpn)**

[Technical evaluation of pulmonary arterial wedge contrast echocardiography (author's transl)] Satomi G, et al. **J Cardiogr** 1981 Sep;11(3):989–96 (Eng. Abstr.) **(Jpn)**

[A simple method for enhancing interatrial right–to–left shunt in the diagnosis of small atrial septal defect using contrast echocardiography (author's transl)] Tada T, et al. **J Cardiogr** 1981 Jun;11(2):573–9 (Eng. Abstr.) **(Jpn)**

[Detection of the cardiac anomalies before birth by cross-sectional echocardiography (author's transl)] Takahashi M, et al. **J Cardiogr** 1981 Jun;11(2):661–9 (Eng. Abstr.) **(Jpn)**

[The effect of the Valsalva and Müller maneuvers on right and left atrial dimensions in man studied by esophageal echocardiography (author's transl)] Toma Y, et al. **J Cardiogr** 1981 Jun;11(2):477–84 (Eng. Abstr.) **(Jpn)**

[Evaluation of cardiac function by contrast echo disappearance time (author's transl)] Tsuyuguchi N, et al. **J Cardiogr** 1981 Jun;11(2):467–75 (Eng. Abstr.) **(Jpn)**

[Determination of right ventricular volume by subxiphoid two-dimensional echocardiography (author's transl)] Yagihara T, et al. **J Cardiogr** 1981 Dec;11(4):1263–72 (Eng. Abstr.) **(Jpn)**

[Counterclockwise rotation of the heart: a correlative study with tomographic echocardiography] Yanagisawa N, et al. **J Cardiogr** 1981 Sep;11(3):881–9 (Eng. Abstr.) **(Jpn)**

[Qualitative and quantitative evaluation of left ventricular asynergy in myocardial infarction by two dimensional echocardiography (author's transl)] Fujii J, et al. **Kokyu To Junkan** 1982 Mar;30(3):301–8 (Eng. Abstr.) **(Jpn)**

[Diagnosis of the left ventricular pseudoaneurysm with M-mode and corss-sectional echocardiography (author's transl)] Yamagishi M, et al. **Kokyu To Junkan** 1981 Sep; 29(9):941–7 (Eng. Abstr.) **(Jpn)**

[Measurement of LV function by computed tomography and echocardiography (author's transl)] Yoshida H, et al. **Kokyu To Junkan** 1982 Mar;30(3):233–9 **(Jpn)**

[Echocardioangiography] Machii K. **Nippon Rinsho** 1981; 39(7):2625–41 **(Jpn)**

[Ultrasonic determination of cardiac output] Takenaka K, et al. **Nippon Rinsho** 1981;39(7):2483–91 (36 ref.) **(Jpn)**

[Test to localize stenoses in the coronary arteries based on an echocardiographic evaluation of the segmental mobility of the left ventricle] Wrabec K, et al. **Kardiol Pol** 1982; 25(1):43–9 (Eng. Abstr.) **(Pol)**

[Various methods of determining left ventricular stroke volume by using echocardiography] Belenkov IuN, et al. **Kardiologiia** 1981 Sep;21(9):57–60 (Eng. Abstr.) **(Rus)**

[2-dimensional echocardiography in the diagnosis of heart aneurysms] Golikov AP, et al. **Kardiologiia** 1981 Sep; 21(9):61–4 (Eng. Abstr.) **(Rus)**

[Approaches in the echographic examination of the heart] Bobkov VV, et al. **Ter Arkh** 1982;54(3):79–82 (Eng. Abstr.) **(Rus)**

[Possibilities of Doppler echocardiography in the diagnosis of congenital heart defects] Konstantinova BA, et al. **Ter Arkh** 1982;54(5):134–7 **(Rus)**

[2-stage echocardiography in the diagnosis of infectious endocarditis] Storozhakov GI, et al. **Ter Arkh** 1981; 53(5):84–7 (Eng. Abstr.) **(Rus)**

[Pulse echodoppler cardiography in mitral valve stenosis] Tulenov MT, et al. **Ter Arkh** 1981;53(12):14–5 (Eng. Abstr.) **(Rus)**

[Importance of echocardiography in detecting a blood supply disorder of the left ventricle during bicycle ergometry] Stadniuk LA, et al. **Vrach Delo** 1981 Sep;(9):49–51 **(Rus)**

[The septum-mitral valve echocardiographic index in the evaluation of left ventricular function] Azpitarte J, et al. **Arch Inst Cardiol Mex** 1981 Sep–Oct;51(5):423–9 (Eng. Abstr.) **(Spa)**

[The use of real-time two dimensional echocardiography in pediatric cardiology (author's transl)] Rees A, et al. **Rev Chil Pediatr** 1981 Sep–Oct;52(5):441–8 (Eng. Abstr.) **(Spa)**

[M-mode echocardiography of the interauricular septum: study of a new angle of incidence] García-Fernández MA, et al. **Rev Esp Cardiol** 1981;34(1):35–9 (Eng. Abstr.) **(Spa)**

[M-mode and 2-dimensional echocardiography of the St. Jude prosthesis] García-Fernandez MA, et al. **Rev Esp Cardiol** 1982;35(2):123–30 (Eng. Abstr.) **(Spa)**

[2-dimensional echocardiography in left auricular thrombosis] García-Fernández MA, et al. **Rev Esp Cardiol** 1982;35(2):147–50 (Eng. Abstr.) **(Spa)**

[Value of M-mode and contrast echocardiography in the diagnosis of atresia and critical pulmonary stenosis with intact septum in the newborn infant. Study of 20 cases] Girona Comas J, et al. **Rev Esp Cardiol** 1981;34(4):305–10 (Eng. Abstr.) **(Spa)**

[Correlation of bidimensional echocardiography by the subcostal approach with angiography in congenital cardiopathies] Maroto E, et al. **Rev Esp Cardiol** 1982; 35(2):159–64 (Eng. Abstr.) **(Spa)**

[Echocardiographic evaluation (M-mode) by sub-xiphoid route in atrioventricular defects] Medina A, et al. **Rev Esp Cardiol** 1982;35(2):131–5 (Eng. Abstr.) **(Spa)**

[Contrast echocardiography in the diagnosis of the surgical diversion of the inferior vena cave into the left ventricle] Mortera C, et al. **Rev Esp Cardiol** 1981;34(4):329–32 (Eng. Abstr.) **(Spa)**

[Echocardiography in interatrial communication: I. Contrast echocardiography] Oliver JM, et al. **Rev Esp Cardiol** 1982; 35(1):31–6 (Eng. Abstr.) **(Spa)**

[Echocardiographic diagnosis of interatrial communication. II. Subcostal 2-dimensional echocardiography] Oliver JM, et al. **Rev Esp Cardiol** 1982;35(2):115–21 (Eng. Abstr.) **(Spa)**

[Basal and contrast bidimensional echocardiography in complete transposition of the great arteries. Pre- and postoperative study using the Senning technic] Pasalodos Pita J, et al. **Rev Esp Cardiol** 1982;35(2):151–7 (Eng. Abstr.) **(Spa)**

STANDARDS

Recommendations for standardization of measurements from M-mode echocardiograms. Roelandt J, et al. **Eur Heart J** 1980 Oct;1(5):375–8

[Methodological aspects of the use of echocardiography in pharmacodynamic studies] Mazur NA, et al. **Ter Arkh** 1982; 54(1):60–4 **(Rus)**

UTILIZATION

Uses and abuses of two-dimensional echocardiography. Reichek N. **Int J Cardiol** 1982;1(3–4):221–7 (36 ref.)

VETERINARY

Echocardiographic study of the anesthetized cat. Allen DG. **Can J Comp Med** 1982 Apr;46(2):115–22

Echocardiographic assessment of mitral valve motion, cardiac structures, and ventricular function in dogs with atrial fibrillation. Wingfield WE, et al. **J Am Vet Med Assoc** 1982 Jul 1;181(1):46–9

ECHOENCEPHALOGRAPHY

Ultrasonographic exploration of the brain in infants. Value of the transfonticular section. Couture A, et al. **J Neuroradiol** 1981;8(2):143–62 **(Eng, Fre)**

Ultrasonic investigation of the brain in neonates. Herbert R, et al. **Radiography** 1981 Aug;47(560):187–92

Pulsatile echoencephalography. White DN. **Ultrasound Med Biol** 1981;7(4):335–64

[Recent progress and problem of ultrasonic echo encephalography (author's transl)] Narikawa H. **Rinsho Byori** 1981;29(10):971–9 **(Jpn)**

[Diagnostic potentials of echoencephalography in an influenzal lesion of the brain] Iarosh OA. **Vrach Delo** 1981 Jul;(7):114–7 **(Rus)**

[Gray-scale echoencephalography in patients with osseous discontinuities] Niño JL, et al. **Rev Clin Esp** 1981 Nov 15; 163(3):179–83 (Eng. Abstr.) **(Spa)**

METHODS

Experimental brain abscess: enhanced sonography and pathologic correlation. Enzmann DR, et al. **AJNR** 1982 Jan–Feb;3(1):41–5

Diagnosis of vein of Galen arteriovenous malformation by two-dimensional ultrasound and pulsed Doppler method. Sivakoff M, et al. **Pediatrics** 1982 Jan;69(1):84–6

Cranial real-time ultrasound in premature neonates. Reeder JD, et al. **ROFO** 1982 Jul;137(1):31–6

[Value of echoencephalography through the fontanelle in neonates and infants (author's transl)] Couture A, et al. **Arch Fr Pediatr** 1981 Aug–Sep;38(7):481–7 (Eng. Abstr.) **(Fre)**

[Two-dimensional ultrasonic examination of the cerebral ventricles (parallel-scan) in newborns and infants (author's transl)] Staudt F, et al. **Klin Padiatr** 1982 Mar;194(2):73–9 (Eng. Abstr.) **(Ger)**

[How to diagnose intracranial haemorrhages in infants by two-dimensional ultrasound scanning (author's transl)] Strassburg HM, et al. **Padiatr Padol** 1982;17(2):259–70 (Eng. Abstr.) **(Ger)**

[Reconstruction in coronal and sagittal planes of CT scans compared with two-dimensional echo-encephalography in neonates and infants (author's transl)] Fürmaier R, et al. **ROFO** 1982 Jul;137(1):37–42 (Eng. Abstr.) **(Ger)**

[Ultrasonographic (B-scan) studies of the skull in childhood (author's transl)] Hofmann V, et al. **Z Kinderchir** 1981 Nov; 34(3):209–19 (Eng. Abstr.) **(Ger)**

[Encephalography with midliner technic at a county hospital] Henriksson LE. **Lakartidningen** 1981 Dec 16;78(51):4632–4 (Eng. Abstr.) **(Swe)**

ECHOLALIA

COMPLICATIONS

Language processing and forms of immediate echolalia in autistic children. Paccia JM, et al. **J Speech Hear Res** 1982 Mar;25(1):42–7

[Echolalia in the psychotic child (author's transl)] Bouvet M, et al. **Neuropsychiatr Enfance Adolesc** 1981 Apr–May; 29(4–5):247–50 (Eng. Abstr.) **(Fre)**

ETIOLOGY

Central auditory nervous system dysfunction in echolalic autistic individuals. Wetherby AM, et al. **J Speech Hear Res** 1981 Sep;24(3):420–9

PSYCHOLOGY

Delayed echolalia in autism: some observations on differences within the term. Dyer C, et al. **Child Care Health Dev** 1981 Nov–Dec;7(6):331–45

Echolalic and spontaneous phrase speech in autistic children. Howlin P. **J Child Psychol Psychiatry** 1982 Jul;23(3):281–93

The functions of immediate echolalia in autistic children. Prizant BM, et al. **J Speech Hear Disord** 1981 Aug; 46(3):241–9

Response sets in autistic echolalia. Curcio F, et al. **Percept Mot Skills** 1981 Aug;53(1):78

ECHOLOCATION see under **ORIENTATION**

ECHOTHIOPHATE IODIDE

ADMINISTRATION & DOSAGE

Dipivefrin and echothiophate. Efficacy of combined use in human beings. Mindel JS, et al. **Arch Ophthalmol** 1981 Sep; 99(9):1583–6

DIAGNOSTIC USE

An irreversible anticholinesterase probe for studying increased permeability of the rat blood-brain barrier. Ashani Y, et al. **Biochem Pharmacol** 1981 Sep 15; 30(18):2585–92

PHARMACODYNAMICS

The effect of echothiophate on the biphasic response of rabbit ocular pressure to dipivefrin. Mindel JS, et al. **Arch Ophthalmol** 1982 Jan;100(1):147–51

Modifications of the tone, pH, ascorbic acid and lactic acid of the aqueous humour of rabbits treated with phospholine iodine. Balacco-Gabrieli, et al. **Boll Soc Ital Biol Sper** 1982 Jan;58(1–2):27–32

Controlled succinylcholine infusion in a patient receiving echothiophate eye drops. Donati F, et al. **Can Anaesth Soc J** 1981 Sep;28(5):488–90

THERAPEUTIC USE

[The influence of phospholine iodide on the squinting angle (author's transl)] Aichmair H. **Klin Monatsbl Augenheilkd** 1981 Oct;179(4):283–4 (Eng. Abstr.) **(Ger)**

[Comparative studies of the pressure-lowering effect of timolol and phospholine iodide (author's transl)] Christakis C, et al. **Klin Monatsbl Augenheilkd** 1981 Sep; 179(3):197–200 (Eng. Abstr.) **(Ger)**

ECHOVIRUS 6 see under **ECHOVIRUSES**

ECHOVIRUS 9 see under **ECHOVIRUSES**

ECHOVIRUS INFECTIONS

Pseudo relapse of Hemophilus influenzae meningitis due to echovirus type 5. Hinlicky J, et al. **Am J Dis Child** 1982 Sep;136(9):864

Perinatal echovirus infection [letter] **N Engl J Med** 1981 Dec 17;305(25):1529–30

COMPLICATIONS

Fatal echovirus type 11 infections. Halfon N, et al. **Am J Dis Child** 1981 Nov;135(11):1017–20

[Case of myasthenia gravis preceded by viral encephalitis in a 13-year-old girl] Musioł A, et al. **Neurol Neurochir Pol** 1981 May–Jun;15(3):345–8 **(Pol)**

DIAGNOSIS

Echovirus 3 infection associated with anicteric hepatitis. Leggiadro RJ, et al. **Am J Dis Child** 1982 Aug;136(8):744–5

ETIOLOGY

[Persistent meningoencephalitis caused by echovirus type 11 in a child with hypogammaglobulinemia (author's transl)] David A, et al. **Ann Pediatr (Paris)** 1982 May;29(5):357–60 **(Fre)**

MICROBIOLOGY

Echovirus type 7 meningitis in young children. Jarvis WR, et al. **Am J Dis Child** 1981 Nov;135(11):1009–12

MORTALITY

Fatal infection with echovirus 11. Berry PJ, et al. **Arch Dis Child** 1982 Jan;57(1):22–9

OCCURRENCE

A mixed epidemic associated with echovirus types 6 and 11: virologic, clinical and epidemiologic studies. Wenner HA, et al. **Am J Epidemiol** 1981 Sep;114(3):369–78

Echovirus type 11 infection in Melbourne--1953 to 1980. Kennett ML, et al. **J Hyg (Lond)** 1981 Oct;87(2):305–12

Epidemiology of an outbreak in a maternity unit of infections with an antigenic variant of Echovirus 11. Mertens T, et al. **J Med Virol** 1982;9(2):81–91

Echovirus 11 infections of newborns with mortality during the 1979 enterovirus season in Milwaukee, Wis. Piraino FF, et al. **Public Health Rep** 1982 Jul–Aug;97(4):346–53

[An epidemic of serous meningitis and febrile conditions caused by echovirus type 30] Jelić O, et al. **Acta Med Iugosl** 1982;36(1):11–22 (Eng. Abstr.) **(Scr)**

PATHOLOGY

Neonatal infection [clinical conference] Kurnetz R, et al. **J Pediatr** 1981 Nov;99(5):822–6

PREVENTION & CONTROL

Echovirus 11 infection and prophylactic antiserum [letter] Nagington J. **Lancet** 1982 Feb 20;1(8269):446

ECHOVIRUSES

GENETICS

Induction of cytopathogenicity in mammalian cell lines challenged with culturable enteric viruses and its enhancement by 5-iododeoxyuridine. Benton WH, et al. **Appl Environ Microbiol** 1982 Apr;43(4):861-8

GROWTH & DEVELOPMENT

CV-1 cells release proteins that facilitate infection by simian virus 40 and echovirus 6. Righthand VF, et al. **Arch Virol** 1982;72(1-2):55-66

ISOLATION & PURIFICATION

Echovirus 11 dense particles: isolation and preliminary characterization. Cova-Baczko L, et al. **J Gen Virol** 1982 May;60(Pt 1):159-63

Temperature sensitivity of isolates of echovirus type II causing chronic meningoencephalitis in an agammaglobulinemic patient. Hodes DS, et al. **J Infect Dis** 1981 Oct;144(4):377

ECK FISTULA see **PORTACAVAL SHUNT, SURGICAL**

ECLAMPSIA

Pregnancy termination in patients with pregnancy-induced hypertension or eclampsia at less than 22 weeks' gestation. Sampson MB, et al. **Am J Obstet Gynecol** 1982 Jun 15; 143(4):474-5

[A survey of mental development in children born by methods with eclampsia and pre-clampsia during 1973-1978 (author's transl)] Chen HY. **Chung Hua I Hsueh Tsa Chih** 1982 Jan;62(1):8-10 (Eng. Abstr.) **(Chi)**

BLOOD

Plasma antithrombin III activity: an aid in the diagnosis of preeclampsia-eclampsia. Weiner CP, et al. **Am J Obstet Gynecol** 1982 Feb 1;142(3):275-81

COMPLICATIONS

Morphologic evidence for coronary artery spasm in eclampsia. Bauer TW, et al. **Circulation** 1982 Feb; 65(2):255-9

Thyrotoxic crisis following eclampsia and induction of labour. Menon V, et al. **Postgrad Med J** 1982 May; 58(679):286-7

DIAGNOSIS

Complete recovery from late puerperal eclampsia with associated blindness. McNamee PT, et al. **Int J Cardiol** 1982;1(3-4):327-8

Eclampsia II. Clinical significance of laboratory findings. Sibai BM, et al. **Obstet Gynecol** 1982 Feb;59(2):153-7

[Eclampsia. A retrospective study of 14 cases of eclampsia] Madsen H. **Ugeskr Laeger** 1981 Sep 7;143(37):2347-9 (Eng. Abstr.) **(Dan)**

[Significance of uric acid concentration in the serum for the early recognition of the risk of EPH gestosis] Riedel H. **Fortschr Med** 1981 Oct 1;99(37):1505-10 (Eng. Abstr.) **(Ger)**

DRUG THERAPY

Dosage update [letter] Volk GE. **Am Fam Physician** 1982 Feb;25(2):47, 50

Eclampsia. I. Observations from 67 recent cases. Sibai BM, et al. **Obstet Gynecol** 1981 Nov;58(5):609-13

Eclampsia: treatment and referral. Sibai BM, et al. **South Med J** 1982 Mar;75(3):267-9

[Use of diazoxide (Hyperstat) in the treatment of acute hypertensive states in pregnancy] Tasić D. **Med Pregl** 1981; 34(1-2):61-3 (Eng. Abstr.) **(Scr)**

IMMUNOLOGY

Lymphocyte hyporesponsiveness during edema, proteinuria and hypertension (EPH) gestosis. Cagnoli L, et al. **Ric Clin Lab** 1981 Jul-Sep;11(3):229-38

Immunologic basis of preeclampsia and eclampsia [letter] Simpson G. **West J Med** 1981 Nov;135(5):428-9

MORTALITY

Complicated eclampsia: fifteen years' experience in a referral medical center. Lopez-Llera M. **Am J Obstet Gynecol** 1982 Jan 1;142(1):28-35

RADIOGRAPHY

Unusual computed tomographic scan in eclampsia. Gaitz JP, et al. **Arch Neurol** 1982 Jan;39(1):66

Value of computed tomography (CT) in an obstetrical emergency. Baker DA, et al. **Diagn Gynecol Obstet** 1982 Spring;4(1):53-6

SURGERY

[Treatment of eclampsia crisis by peridural anesthesia and cesarean operation (author's transl)] Le Camus J, et al. **Med Trop (Mars)** 1982 May-Jun;42(3):339-42 (Eng. Abstr.) **(Fre)**

THERAPY

The hypertensive diseases of pregnancy and their management. Sullivan JM. **Adv Intern Med** 1982;27:407-33 (100 ref.)

Management of pre-eclampsia and eclampsia. Turner GM. **Br J Hosp Med** 1981 Aug;26(2):120, 122, 125-6

[Treatment of pre-eclampsia and eclampsia (editorial)] Rasmussen K. **Ugeskr Laeger** 1981 Sep 7;143(37):2367-8 **(Dan)**

[Results of eclampsia treatment--analysis of 44 cases over 20 years (author's transl)] Peterseim H, et al. **Zentralbl Gynakol** 1981;103(16):957-62 (Eng. Abstr.) **(Ger)**

VETERINARY

Eclampsia in a lowland gorilla. Baird JN Jr. **Am J Obstet Gynecol** 1981 Oct 1;141(3):345-6

Unusual eclampsia [letter] Swift BJ. **Vet Rec** 1982 Jul 3; 111(1):22

ECO DNA TOPOISOMERASE II see **DNA GYRASE**

ECOLOGY

Human ecology and mental illness. Wilkinson CB, et al. **Am J Psychiatry** 1982 Aug;139(8):985-90

Screening for toxic effects on interspecies interactions: a mechanistic or an empirical approach? Hansen SR. **Arch Environ Contam Toxicol** 1981 Sep;10(5):597-603

Toward a neuroethology of mammalian vision: ecology and anatomy of rodent visuomotor behavior. Finlay BL, et al. **Behav Brain Res** 1981 Sep;3(2):133-49

The incorporation of toxic organic chemicals into food chains. Bowes GW. **Biomed Mass Spectrom** 1981 Sep; 8(9):419-25

Benthos investigations: sediment boxes or natural bottom? Flint RW, et al. **Bull Environ Contam Toxicol** 1982 Mar; 28(3):257-65

Selenium kidney/liver ratios in rock squirrel populations from grassland and pinyon-juniper ecosystems. Rail CD, et al. **Ecotoxicol Environ Safety** 1982 Feb;6(1):2-8

Effect of Cu2+ stress on an aquatic microcosm: a holistic study. Sugiura K, et al. **Environ Res** 1982 Apr;27(2):307-15

New trends in research and utilization of solar energy through biological systems. **Experientia [Suppl]** 1982; 43:1-156

Ecological illness: a factor in your caseload and perhaps in your life. Field CR. **J Rehabil** 1981 Jul-Sep;47(3):15-8, 80

Ecology, physiology, allometry and dimensionality. Platt T, et al. **J Theor Biol** 1981 Dec 21;93(4):855-60

Animal disease and conservation [news] Smith GR. **Nature** 1982 Jan 7;295(5844):16

Responses of microorganisms to physical and chemical gradients. Wimpenny JW. **Philos Trans R Soc Lond [Biol]** 1982 Jun 11; 297(1088):497-515

Man-made lakes and man-made diseases. Towards a policy resolution. Hunter JM, et al. **Soc Sci Med** 1982; 16(11):1127-45

[Nuclear ecology] Kioes C. **Bull Soc Sci Med Grand Duche Luxemb** 1981;118(1):47-51 **(Fre)**

[Biology on Clipperton Islet or the consequences on survival by a lack of balance in an ecosystem (author's transl)] Taxit R. **Med Trop (Mars)** 1981 Nov-Dec;41(6):671-4 (Eng. Abstr.) **(Fre)**

[Application of the biotic index and the diversity index to the study of macro-benthons in a river] Castagna A, et al. **Boll Soc Ital Biol Sper** 1981 Mar 30;57(6):614-20 (Eng. Abstr.) **(Ita)**

[[Applications of biotelemetry for ecology (author's transl)] Kadono H. **Iyodenshi To Seitai Kogaku** 1980 Dec; 18(7):485-91 (47 ref.) **(Jpn)**

[Strict process of stimulation of auto-oscillations in a model of the Volterra type] Bazykin AD, et al. **Biofizika** 1981 Sep-Oct;26(5):851-3 **(Rus)**

[Ecology, biogeocenology and their place in the system of sciences] Nomokonov LI. **Zh Obshch Biol** 1981; 42(6):805-13 **(Rus)**

[Importance of entomologic surveillance in the epidemiology of malaria in Yugoslavia] Vitanović R. **Vojnosanit Pregl** 1981 Sep-Oct;38(5):330-6 **(Scr)**

[Multidisciplinary surveillance program for infectious diseases in areas adjacent to the Transamazon Highway in Brazil. I. Ecology of the region] Peterson NE, et al. **Bol Of Sanit Panam** 1981 Aug;91(2):137-48 (Eng. Abstr.) **(Spa)**

EDUCATION

[The ecology course with possibilities for new instruction formats in forensic medicine] Althoff H. **Beitr Gerichtl Med** 1981;39:195-9 (Eng. Abstr.) **(Ger)**

ECOLOGY, SEALED CABIN see **SEALED CABIN ECOLOGY**

ECONAZOLE see under **IMIDAZOLES**

ECONOMIC COMPETITION see under **ECONOMICS**

ECONOMICS

see related
SOCIOECONOMIC FACTORS

Economic change and mental health in an uncontaminated setting. Frank JA. **Am J Community Psychol** 1981 Aug; 9(4):395-410

International transeconomic trends of arterial diseases in the mid-1970s. Ioannidis PJ, et al. **Am J Epidemiol** 1982 Feb; 115(2):278-97

Containing cost through competition: the new wave. Del Polito GA. **Am J Med Technol** 1981 Aug;47(8):607-11

An allied health perspective on competition. Del Polito GA. **Am J Med Technol** 1982 Mar;48(3):201-2

The economic value of life: linking theory to practice. Landefeld JS, et al. **Am J Public Health** 1982 Jun; 72(6):555-66

Presidential address. Health costs, competition and the physician. Carey LC. **Am J Surg** 1982 Jan;143(1):2-5

Selection and competitive effects of Health Maintenance Organizations. Luft HS. **Ann NY Acad Sci** 1982;387:125-30

Hospitals feel pinch as costs go up and federal funds go down. Patterson P. **AORN J** 1982 Mar;35(4):778-82

What to buy and how to get it: the cash flow factor. Dickerson JF. **Hospitals** 1982 Jan 16;56(2):99-100

Competition in health care: a second opinion. Ginzberg E. **Hospitals** 1982 Mar 16;56(6):81-5

Competition and the marketplace for health care--it won't be problem free. Heyssel RM. **Hospitals** 1981 Nov 16; 55(22):107-8, 110, 113-4

Free-market system is still the best answer. Knieser K. **Hospitals** 1982 Jan 1;56(1):31

Analysis must precede adoption of competitive strategies. Tucker SL, et al. **Hospitals** 1982 Jun 16;56(12):80, 83-4, 86 passim

The crisis of the international capitalist order and its implications for the welfare state. Navarro V. **Int J Health Serv** 1982;12(2):169-90

The social consequences of free trade in health care: a public health response to orthodox economics. Roemer MI, et al. **Int J Health Serv** 1982;12(1):111-29

Caradog Jones Lecture 1981. Natural selection, social evolution and economic strategy. Peel RA. **J Biosoc Sci** 1981 Oct;13(4):377-90

Pediatricians and family physicians: future competition for child patients? Budetti PP, et al. **J Fam Pract** 1982 Jul; 15(1):89-96

Where you stand depends on where you sit: musings on the regulation/competition dialogue. Cohodes DR. **J Health Polit Policy Law** 1982 Spring;7(1):54-79

Restoring medical markets: implications for the poor. Dunham A, et al. **J Health Polit Policy Law** 1982 Summer; 7(2):488-501

Competition in the health sector: a historical perspective. Lippincott RC, et al. **J Health Polit Policy Law** 1982 Summer;7(2):460-87

Corporate rationalization of American health care: a visitor's appraisal. Politt C. **J Health Polit Policy Law** 1982 Spring; 7(1):227-53

The embattled hospital: cost control measures versus imperatives for expansion. Reilly BJ, et al. **J Health Polit Policy Law** 1982 Spring;7(1):254-70

Reagonomics--will it work? Stanaland E. **J Med Assoc State Ala** 1981 Nov;51(5):21-2, 27

The Federal Reserve System: what is it? Stanaland E. **J Med Assoc State Ala** 1982 Feb;51(8):24, 29-31

Which retirement plan for you? Nadeau DR. **Mich Med** 1981 Dec;80(35):664

Certificate of need and low capital-cost medical technology. Cohen AB, et al. **Milbank Mem Fund Q** 1982 Spring; 60(2):307-28

Tax-exempt competition. **Mod Vet Pract** 1981 Jul;62(7):512-7

Sounding Boards. Competition, profit, and the HMO. Saward E, et al. **N Engl J Med** 1982 Apr 15;306(15):929-31

Medical school corner - dean's page. Connell AM. **Nebr Med J** 1982 Jan;67(1):14

The passing days of the passive physician. Blackwell R, et al. **Ohio State Med J** 1981 Sep;77(9):541-5

Leasing with particular reference to cleansing vehicles. Sharman PB. **R Soc Health J** 1982 Apr;102(2):79-82

[Medical and economic science] Sauvy A. **Ann Med Interne (Paris)** 1982;133(3):216-21 **(Fre)**

[The disease of legal health insurance (III). Free market regulation through competition of systems - Flat rate and individual service insurance] Metze I. **Off Gesundheitswes** 1982 Mar;44(3):187-90 **(Ger)**

LEGISLATION & JURISPRUDENCE

Antitrust in health care. Boland JM. **Colo Med** 1982 Mar; 79(3):116-8

Antitrust law developments in the health care field. Bernstein AH. **Hospitals** 1981 Nov 1;55(21):57-9 contd

Hospitals and antitrust laws: a contemporary reality. Bernstein AH. **Hospitals** 1981 Dec 1;55(23):53-5 concl

Antitrust exposure of health care professionals. Fried JM. **J Clin Psychopharmacol** 1981 Jul;1(4):248-9

On the other hand: some comments on Sigelman's palmistry. Blumstein JF. **J Health Polit Policy Law** 1982 Winter;

6(4):621–4
Response to McClure. On the potential failure of good ideas: an interview with the originator of Murphy's Law. Luft HS. **J Health Polit Policy Law** 1982 Spring;7(1):45–53
Regulation and competition: an examination of 'the consumer choice health plan'. Lynk WJ.
J Health Polit Policy Law 1982 Winter;6(4):625–36
Implementing a competitive medical care system through public policy. McClure W. **J Health Polit Policy Law** 1982 Spring;7(1):2–44
Antitrust law and collective physician negotiations with third parties: the relative value guide object lesson. Pfizenmayer RF. **J Health Polit Policy Law** 1982 Spring;7(1):128–62
Palm-reading the invisible hand: a critical examination of pro-competitive reform proposals. Sigelman DW.
J Health Polit Policy Law 1982 Winter;6(4):578–620
On 'Palm-reading the Invisible Hand: A Critical Examination of Pro-competitive Reform Proposals' (and other such critiques) [letter] Weller CD. **J Health Polit Policy Law** 1982 Spring;7(1):295–307
Reconciling the antitrust laws and the health care laws: a step backward? Berg RN. **J Med Assoc Ga** 1981 Aug; 70(8):577–9
Sounding boards. Competition and health care: a new Trojan horse? Caper P. **N Engl J Med** 1982 Apr 15;306(15):928–9
The health-sciences information struggle: the private information industry versus the National Library of Medicine. Davies NE. **N Engl J Med** 1982 Jul 15; 307(3):201–4
Competition--the claims and the controversy. Sandrick KM. **QRB** 1982 Mar;8(3):2–5

TRENDS

Will Reaganomics finally force hospitals to 'pay the price'? **Hospitals** 1982 Jun 1;56(11):62–5
Shifting the cost--and the blame. Friedman E. **Hospitals** 1982 Mar 16;56(6):93–7
Aging: issues and economic trends for the 1980s. Kingson ER, et al. **Inquiry** 1981 Fall;18(3):197–213
A lift for sagging spirits. The voice of business. Walls JW. **J Indiana State Med Assoc** 1982 Apr;75(4):240
Sounding board. Yet another look at medical cost inflation. Jellinek PS. **N Engl J Med** 1982 Aug 19;307(8):496–7
Competition in health care: Is 'consumer choice' in the consumer's interest? Winsten JA. **N Engl J Med** 1981 Nov 19;305(21):1280–2
Economic forecasting: effect of errors on OASDI fund ratios. Bartlett DK 3d, et al. **Soc Secur Bull** 1982 Jan;45(1):9–14

ECONOMICS, DENTAL

see related
OFFICE MANAGEMENT

The effects of legal constraints on dental care prices. Conrad DA, et al. **Inquiry** 1982 Spring;19(1):51–67
The problem with professional liability. Seldin LW.
NY State Dent J 1981 Nov;47(9):514, 516, 518

TRENDS

Dentistry in the marketplace: an economic forecast [interview] Conrad DA, et al. **J Am Dent Assoc** 1982 Jan; 104(1):18–24 contd
Dentistry in the marketplace: an economic forecast. Part 2 [interview] Conrad DA, et al. **J Am Dent Assoc** 1982 Feb; 104(2):148–54
Attempts to control dental health care costs: the U.S. experience. Gift HC, et al. **Soc Sci Med [a]** 1981 Dec; 15A(6):767–79

ECONOMICS, HOSPITAL

Cost of capital, target rate of return, and investment decision making. Copeland R, et al. **Health Serv Res** 1981 Fall; 16(3):335–41
Cost containment--your last chance [editorial] **Hospitals** 1981 Dec 1;55(23):57
Grantsmanship plan can enhance hospitals' fund-raising activities. Anderson J. **Hospitals** 1981 Oct 1;55(19):36, 38
Return on equity in the hospital industry: requirement or windfall? Cleverley WO. **Inquiry** 1982 Summer;19(2):150–9
[A foundation for hospital case mix measurement. Wood WR, et al. **Inquiry** 1981 Fall;18(3):247–54
Estimating hospital costs by diagnosis for population-based analysis. Shepard DS, et al. **J Community Health** 1981 Fall; 7(1):2–20
The New York cost-of-regulation study: a severe case of myopia. Cirn JT. **J Health Polit Policy Law** 1981 Summer; 6(2):321–7
Cost-based reimbursement and prospective payment: reassessing the incentives. Foster RW.
J Health Polit Policy Law 1982 Summer;7(2):407–20
Threats to tax-exempt financing for hospitals and universities [editorial] Cooper JA. **J Med Educ** 1982 Aug;57(8):649–50
Regulation for hospital cost containment [letter]
N Engl J Med 1982 Apr 22;306(16):997–8
The regulation strategy for controlling hospital costs. Schwartz WB. **N Engl J Med** 1981 Nov 19;305(21):1249–55
Finance for hospital boards [editorial] **NZ Med J** 1981 Sep 9;94(691):180–1
Capital requirements and capital financing in a hospital-based group practice prepayment plan. Vohs JA, et al.
Top Health Care Financ 1981 Winter;8(2):1–21
Cost containment. Fix LW. **W Va Med J** 1981 Nov;76(11):300
[The utilization of the resources of the hospitals] Buhaug H. **Tidsskr Nor Laegeforen** 1981 Nov 30;101(33):1905–9 **(Nor)**
[Costs of hospital care] Kolstad K, et al. **Lakartidningen** 1981 Aug 19;78(34):2864–6 (Eng. Abstr.) **(Swe)**

TRENDS

What's behind the dramatic increase in hospital costs? Vaiden RE. **AORN J** 1981 Oct;34(4):742–6
Health care costs are under control. Baltzan M.
Can Med Assoc J 1982 Jul 15;127(2):158–61
Medicare is financially sick. Richard L.
Can Med Assoc J 1982 Apr 1;126(7):838–42
Critical care tomorrow: economics and challenges. Thompson WL. **Crit Care Med** 1982 Sep;10(9):561–8
Hospital taxation: the dollars and the sense of it. Schroeder DH. **Health Care Manage Rev** 1982 Spring;7(2):7–16
July data show hospital expenses up 20 percent. **Hospitals** 1981 Nov 1;55(21):36
No more business as usual [editorial] **Hospitals** 1982 Jan 1; 56(1):53–4
It's going to hurt for more than just a little while [interview] Blendon R. **Hospitals** 1982 Jan 1;56(1):61–4
Why did hospital costs increase in 1981? Goldfarb DL, et al. **Hospitals** 1982 Jul 16;56(14):109–10, 112–4
Congress, administration beset by budget agonies in '81, face gloomy economic forecast. Lesparre M. **Hospitals** 1981 Dec 16;55(24):77–9, 81, 83–4
Hospital costs defy CPI trend. Lesparre M, et al.
Hospitals 1982 May 16;56(10):32
Selected hospital statistics--June 1981. Mitchell A.
Hospitals 1981 Oct 1;55(19):34
Medicaid's unanswered questions [interview] Newman H.
Hospitals 1982 Jan 1;56(1):65–9
Cost containment: the heat is on, and up. Richards G.
Hospitals 1982 May 16;56(10):82–6
Effects of rate regulation on selected components of hospital expenses. Melnick GA, et al. **Inquiry** 1981 Fall;18(3):240–6
The embattled hospital: cost control measures versus imperatives for expansion. Reilly BJ, et al.
J Health Polit Policy Law 1982 Spring;7(1):254–70
Problems and prospects in hospital rate regulation. Olson GT. **W Va Med J** 1982 Mar;78(3):70–5

ECONOMICS, MEDICAL

see related
OFFICE MANAGEMENT

Estimating costs of illness and injuries: a criticism. Sondik EJ, et al. **Am J Public Health** 1981 Dec;71(12):1392–3
How valuable is the Review Body? [editorial]
Br Med J [Clin Res] 1982 May 15;284(6327):1429–30
Quebec's draconian moves endanger profession's liberty. Bérubé B. **Can Med Assoc J** 1982 Jan 15;126(2):175
An argument for opting out. Krahn H. **Can Med Assoc J** 1982 Jun 1;126(11):1336–41
Medicine and mammon. Richard L. **Can Med Assoc J** 1982 Aug 15;127(4):269
On The Structure of the Market for Physicians' Services, by Robert A. McLean (Fall 1980). Stano M.
Health Serv Res 1981 Fall;16(3):361–7
Economics and medicine in the 1980s [editorial] Kahn AJ. **J Arkansas Med Soc** 1982 Jan;78(8):346–7
David X: economics and medical ethics. Hudson RP.
J Kans Med Soc 1982 Jun;83(6):299–301
Physician in the marketplace: some implications of the effects of competition and self insurance on medical practice. Sachatello CR. **J Ky Med Assoc** 1982 Feb;80(2):78–81
Teaching cost containment and health economics in U.S. medical schools, 1980. Ingbar ML, et al. **J Med Educ** 1981 Oct;56(10):851–3
A solution to the resource allocation debate? [letter] Potter B. **J Med Ethics** 1981 Sep;7(3):162–3
The crisis of excellence. Ferguson TB.
J Thorac Cardiovasc Surg 1982 Aug;84(2):161–71
Congress may resolve AMA-FTC clash [news] Gunby P. **JAMA** 1982 May 14;247(18):2472–3
Members must be 70 and retired for ama dues-exempt status. McMurray RJ. **Mich Med** 1981 Dec;80(35):678
MSMS arms physician leaders to meet difficult economic times. Marr J. **Mich Med** 1981 Dec;80(35):660–2
The grand inquisitor and the role of the state in medical economics. Orient JM. **Perspect Biol Med** 1981 Autumn; 25(1):20–38
The cost of not doing medical research. Gibson WC.
Trans Med Soc Lond 1980;96:87–95
[Financing the installation of a young ophthalmologist] Borter F. **Annee Ther Clin Ophtalmol** 1980;31:335–8 **(Fre)**
[Study of the cost of disease] Guéniot M.
Bull Acad Natl Med (Paris) 1980 Dec;164(9):829–33 (Eng. Abstr.) **(Fre)**
[Health insurance in Quebec: objectives of the medical profession and of society 1. Objectives of the medical profession] Rivard G. **Union Med Can** 1982 Jun; 111(6):584–94 (Eng. Abstr.) **(Fre)**

TRENDS

The role of medicine and health in government. Connally NT. **Am J Gastroenterol** 1982 Mar;77(3):184–7
Carel C. Koch Memorial Lecture: another new responsibility for health professionals. Phillips ML.
Am J Optom Physiol Opt 1982 Jun;59(6):465–8
Health care costs are under control. Baltzan M.
Can Med Assoc J 1982 Jul 15;127(2):158–61
Dr. Lazarus Loeb: why I won't practise in Canada [interview by David Woods] Loeb L. **Can Med Assoc J** 1982 May 15;126(10):1213–5
Ben Trevino: medicine's rain-maker from the West [interview by Evelyne Michaels] Trevino B.
Can Med Assoc J 1982 Apr 1;126(7):850–3
Viewpoint: In defense of physicians' incomes. Witt JA.
Health Care Manage Rev 1982 Summer;7(3):79–84
Medical care prices rising faster than overall CPI [news] Riffer J. **Hospitals** 1982 Jan 16;56(2):18, 22
Impact of liability insurance on health care cost in Florida. Astler VB. **J Fla Med Assoc** 1982 Mar;69(3):215–8
The Florida Medical Association's involvement in health care financing. Hayes CP Jr. **J Fla Med Assoc** 1982 Mar; 69(3):190–4
Differences by sex in economic returns associated with physician specialization. Langwell KM.
J Health Polit Policy Law 1982 Winter;6(4):752–61
Cost containment and changing physicians' practice behavior. Can the fox learn to guard the chicken coop? Eisenberg JM, et al. **JAMA** 1981 Nov 13;246(19):2195–201
Physicians may have to offer more for less to compete. Marr J. **Mich Med** 1982 May;81(24):302
The expanding physician supply and health policy: the clouded outlook. Ginzberg E, et al.
Milbank Mem Fund Q 1981 Fall;59(4):508–41
Sounding board. Yet another look at medical cost inflation. Jellinek PS. **N Engl J Med** 1982 Aug 19;307(8):496–7
Sounding board. American medical care--is it worth it? Silk AD. **N Engl J Med** 1982 Jul 8;307(2):117
[Economic and moral consequences of medical progress] Bernard J. **Rev Med Suisse Romande** 1982 Jan;102(1):83–93 **(Fre)**

ECONOMICS, NURSING

Nursing as an alternative to high-cost care. Fagin CM.
Am J Nurs 1982 Jan;82(1):56–60
Faculty practice--noble intentions gone awry? Holm K.
Nurs Outlook 1981 Nov;29(11):655–7
Financial incentive and labor supply of married professional nurses [letter] Nelson MB. **Nurs Res** 1981 Nov–Dec; 30(6):328

ECT (PSYCHOTHERAPY) see **ELECTROCONVULSIVE THERAPY**

ECTHYMA

ETIOLOGY

Spontaneous bacterial peritonitis with ecthyma gangrenosum due to Escherichia coli. Rajan RK.
J Clin Gastroenterol 1982 Apr;4(2):145–8
[Ecthyma gangrenosum] Nielsen NS, et al. **Ugeskr Laeger** 1981 Apr 6;143(15):936–7 (Eng. Abstr.) **(Dan)**

ECTHYMA, CONTAGIOUS

DIAGNOSIS

Contagious ecthyma in an adult Dall sheep (Ovis dalli dalli) in Alaska. Smith TC, et al. **J Wildl Dis** 1982 Jan;18(1):111–2
Ecthyma contagiosum (orf). Ganske JG, et al.
Plast Reconstr Surg 1981 Nov;68(5):779–80

OCCURRENCE

Contagious ecthyma in Alaskan musk-oxen and Dall sheep. Dieterich RA, et al. **J Am Vet Med Assoc** 1981 Dec 1; 179(11):1140–3
An epizootic of contagious ecthyma in rocky mountain bighorn sheep in Colorado. Lance W, et al.
J Wildl Dis 1981 Oct;17(4):601–3
[Ecthyma contagiosum epidemics in Turkey] Günes AT, et al. **Hautarzt** 1982 Jul;33(7):384–7 (Eng. Abstr.) **(Ger)**

PATHOLOGY

The inoculation of rabbits with Dermatophilus congolensis and the simultaneous infection of sheep with D. congolensis and ORF virus. Abu-Samra MT, et al. **J Comp Pathol** 1981 Jul;91(3):317–29

PREVENTION & CONTROL

[Control of ecthyma contagiosum (pustular dermatitis) of sheep with a new parenteral cell culture live vaccine] Mayr A, et al. **Zentralbl Veterinarmed [B]** 1981;28(7):535–52 (Eng. Abstr.) **(Ger)**

ECTODERM

Artificial neural induction in amphibia. III. Retina formation and autoorganization in single and double layer triturus explants. Rollhäuser ter Horst J. **Anat Embryol (Berl)** 1981; 162(1):69–80

CYTOLOGY

Morphological differentiation of an embryonic epithelium in culture. Sanders EJ, et al. **Cell Tissue Res** 1981; 220(3):539–48

Ectodermal interactions during neurogenesis in the glossiphoniid leech Helobdella triserialis. Blair SS, et al. **Dev Biol** 1982 May;91(1):64–72

An autoradiographic analysis of the potency of embryonic ectoderm in the 8th day postimplantation mouse embryo. Beddington SP. **J Embryol Exp Morphol** 1981 Aug; 64:87–104

Differential proliferation in morphogenesis of lateral body folds. Miller SA. **J Exp Zool** 1982 Jun 10;221(2):205–11

[Detection of the competence of the lateral head ectoderm of chick embryos for adenohypophysis differentiation] Barabanov VM, et al. **Dokl Akad Nauk SSSR** 1982; 265(1):196–9 **(Rus)**

METABOLISM

Accumulation in embryogenesis of five mRNAs enriched in the ectoderm of the sea urchin pluteus. Bruskin AM, et al. **Dev Biol** 1981 Oct 30;87(2):308–18

A family of proteins accumulating in ectoderm of sea urchin embryos specified by two related cDNA clones. Bruskin AM, et al. **Dev Biol** 1982 Jun;91(2):317–24

Differential localization of [35S] sulfate within ectodermal basement membrane in relation to initiation of chick limb buds. Lunt DM, et al. **J Embryol Exp Morphol** 1980 Dec; 60:189–99

PHYSIOLOGY

Avian primordial germ cells are of epiblastic origin. Eyal-Giladi H, et al. **J Embryol Exp Morphol** 1981 Oct; 65:139–47

The effect of removing posterior apical ectodermal ridge of the chick wing and leg on pattern formation. Rowe DA, et al. **J Embryol Exp Morphol** 1981 Oct;65 Suppl:309–25

Effects of excising the apical ectodermal ridge on the development of the marginal vasculature of the wing bud in the chick embryo. Feinberg RN, et al. **J Exp Zool** 1982 Feb 20;219(3):345–54

TRANSPLANTATION

Supernumerary limb structures after juxtaposing dorsal and ventral chick wing bud cells. Javois LC, et al. **Dev Biol** 1982 Mar;90(1):127–43

Morphogenetic behaviour of the rat embryonic ectoderm as a renal homograft. Svajger A, et al **J Embryol Exp Morphol** 1981 Oct;65 Suppl:243–67

ULTRASTRUCTURE

The influence of artificial and 'natural' substrates on the morphology of amphibian embryonic cells. Jumah H, et al. **Acta Embryol Morphol Exp** 1981 Aug;2(1):29–41

Bundles of intermediate filaments in early postimplantation rat embryos. Takeuchi IK. **J Electron Microsc (Tokyo)** 1981;30(1):72–6

Ectoderm–mesoderm interactions in relation to limb-bud chondrogenesis in the chick embryo: transfilter cultures and ultrastructural studies. Gumpel-Pinot M. **J Embryol Exp Morphol** 1981 Oct;65:73–87

Ultrastructural changes of nuclei after treatment with mesodermal inducing substance. Zeng MB. **Sci Sin [B]** 1982 Jul;25(7):725–9

ECTODERMAL DEFECT, CONGENITAL

[Goltz syndrome (focal dermal hypoplasia): a case report (author's transl)] Sellitto F, et al. **Pediatr Med Chir** 1981 Nov-Dec;3(6):563–6 **(Ita)**

DIAGNOSIS

[Congenital ectodermal dysplasia] Beer S, et al. **Harefuah** 1981 Mar 1;100(5):228–30 **(Heb)**

[Hypohidrotic ectodermal dysplasia in the female] Bonora G, et al. **Minerva Pediatr** 1981 Sep 30;33(18):911–6 **(Ita)**

[Anhydrotic ectodermal dysplasia] Stepanović R, et al. **Srp Arh Celok Lek** 1980 May;108(5):483–90 (Eng. Abstr.) **(Scc)**

DRUG THERAPY

Treatment of pachyonychia congenita with phenytoin [letter] Blank H. **Br J Dermatol** 1982 Jan;106(1):123

FAMILIAL & GENETIC

Dermatoglyphics findings in families with X-linked hypohidrotic(or anhidrotic) ectodermal dysplasia(HED). Rodewald A, et al. **Prog Clin Biol Res** 1982;84:451–8

PATHOLOGY

Hypohidrotic ectodermal dysplasia: a unique approach to esthetic and prosthetic management. Goepferd SJ, et al. **J Am Dent Assoc** 1981 Jun;102(6):867–9

ECTODERMAL DYSPLASIA

[Echodactyly syndrome, ectodermic dysplasia, facial cleft, and EEC syndrome : report on 12 cases (author's transl)] Psaume J, et al. **Rev Stomatol Chir Maxillofac** 1981; 82(4):226–9 (Eng. Abstr.) **(Fre)**

[Presentation of a case of neurocutaneous dysplasia of difficult nosological classification] Monterisi N, et al. **Minerva Pediatr** 1982 Mar 31;34(6):267–72 (Eng. Abstr.) **(Ita)**

CLASSIFICATION

The ectodermal dysplasias [letter] Pinheiro M, et al. **Arch Dermatol** 1982 Apr;118(4):215–6

COMPLICATIONS

An autosomal recessive ectodermal dysplasia syndrome of hypotrichosis, onychodysplasia, hyperkeratosis, kyphoscoliosis, catartact, and other manifestations. Alves AF, et al. **Am J Med Genet** 1981;10(3):213–8

Arthrogryposis and ectodermal dysplasia. Côté GB, et al. **Hum Hered** 1982;32(1):71–2

Anhidrotic ectodermal dysplasia; fever in a neonate. Estrada R, et al. **NY State J Med** 1981 Nov;81(12):1791–3

Ocular findings in a case of incontinentia pigmenti (Bloch–Sulzberger syndrome). Berbich A, et al. **Ophthalmologica** 1981;182(2):119–29

[A patient with anhidrotic ectodermal dysplasia] Wolff AA, et al. **Ned Tijdschr Geneeskd** 1981 Dec 5;125(49):2015–8 (Eng. Abstr.) **(Dut)**

[Type III shortrib–polydactyly syndrome (Verma–Naumoff) in concomitance with ectodermal dysplasia (author's transl)] Habeck JO, et al. **Zentralbl Gynakol** 1982; 104(9):568–75 (Eng. Abstr.) **(Ger)**

[The EEC or Rüdinger syndrome. Presentation of a case and orthopedic treatment] Frediani P, et al. **Chir Organi Mov** 1981;66(5):431–8 **(Ita)**

[Anhydrotic ectodermal dysplasia. Rare form with vascular purpura and myopathy] Buttitta P, et al. **Pediatria (Napoli)** 1981;89(2):253–64 (Eng. Abstr.) **(Ita)**

DIAGNOSIS

[Case of anhidrotic ectodermal dysplasia] Rujner J, et al. **Wiad Lek** 1981 Aug 1;34(15):1299–303 **(Pol)**

DRUG THERAPY

Anhidrotic ectodermal dysplasia. Therapeutic attempts. Hatzis J, et al. **Dermatologica** 1982 Jan;164(1):54–61

FAMILIAL & GENETIC

Carrier detection in Christ–Siemens–Touraine syndrome (X-linked hypohidrotic ectodermal dysplasia) [letter] Freire-Maia N, et al. **Am J Hum Genet** 1982 Jul;34(4):672–4

Rapp–Hodgkin ectodermal dysplasia syndrome. Stasiowska B, et al. **Arch Dis Child** 1981 Oct;56(10):793–5

Hypodontia and sweat pore counts in detecting carriers of X-linked hypohidrotic ectodermal dysplasia. Sofaer JA. **Br Dent J** 1981 Nov 17;151(10):327–30

Hereditary anhidrotic ectodermal dysplasia in a Zambian family. Sehgal D, et al. **East Afr Med J** 1981 May; 58(5):374–9

Christ–Siemens–Touraine syndrome. Investigations on two large Brazilian kindreds with a new estimate of the manifestation rate among carriers. Pinheiro M, et al. **Hum Genet** 1981;57(4):428–31

Hereditary ectodermal dysplasia, olivopontocerebellar degeneration, short stature, and hypogonadism. Rushton AR, et al. **J Med Genet** 1981 Oct;18(5):335–9

A dental approach to carrier screening in X linked hypohidrotic ectodermal dysplasia. Sfaer JA. **J Med Genet** 1981 Dec;18(6):459–60

X-linked hypohidrotic ectodermal dysplasia in Finland. A clinical, radiographic and genetic study. Airenne P. **Proc Finn Dent Soc** 1981;77 Suppl 1–3:1–107

[Value of sweat pores on fingerprints with organic silicium: a method for the detection of female carriers of anhydrotic ectodermal dysplasia] Laurent JM, et al. **J Genet Hum** 1981 Jun;29(2):141–9 (Eng. Abstr.) **(Fre)**

[Anhidrotic ectodermal dysplasia (Christ–Siemens–Touraine–Syndrome) in an x-linked recessive mode of inheritance (author's transl)] Kuhlwein A, et al. **Dermatol Monatsschr** 1982 Jan;168(1):34–43 (Eng. Abstr.) **(Ger)**

[Anhydrotic ectodermal dysplasia] Worret WI, et al. **Hautarzt** 1982 May;33(5):289–90 (Eng. Abstr.) **(Ger)**

IMMUNOLOGY

Anhidrotic ectodermal dysplasia with transient hypogammaglobulinemia. Huntley CC, et al. **Cutis** 1981 Oct;28(4):417–9, 419

PATHOLOGY

Incontinentia pigmenti. 6 cases of Bloch–Sulzberger syndrome. Burgess MC. **Br Dent J** 1982 Mar 16; 152(6):195–6

A previously undescribed condition: tricho–odonto–onycho–dermal syndrome. A review of the tricho–odonto–onychial subgroup of ectodermal dysplasias. Pinheiro M, et al. **Br J Dermatol** 1981 Oct;105(4):371–82

A case of focal dermal hypoplasia. Prentice FM, et al. **Clin Exp Dermatol** 1982 Mar;7(2):149–53

Sweat pore counts in ectodermal dysplasias. Kleinebrecht J, et al. **Hum Genet** 1981;57(4):437–9

Hidrotic ectodermal dysplasia. Report of a case with reticulated acropigmentation. Fulk CS. **J Am Acad Dermatol** 1982 Apr;6(4 Pt 1):476–80

[Anhidrotic ectodermal dysplasia in a 56-year-old man and its complications] Liashenko IN, et al. **Vestn Dermatol Venerol** 1981 May;(5):42–6 (Eng. Abstr.) **(Rus)**

RADIOGRAPHY

Metaphyseal chondrodysplasia with ectodermal dysplasia. Jequier S, et al. **Skeletal Radiol** 1981;7(2):107–12

ECTOHORMONES see **PHEROMONES**

ECTOPARASITIC INFESTATIONS

DIAGNOSIS

Tungiasis in Zimbabwe. Goldsmid JM. **Cent Afr J Med** 1981 Aug;27(8):151–2

DRUG THERAPY

Treatment of human tungiasis with niridazole (Ambilhar) a double-blind placebo-controlled trial. Ade-Serrano MA, et al. **Ann Trop Med Parasitol** 1982 Feb;76(1):89–92

[Therapeutic update on metazoan infestations] Santafé Oroz J, et al. **Med Clin (Barc)** 1982 Apr 16;78(8):335–43 **(Spa)**

ETIOLOGY

Anthropophilic deflection of Ctenocephalides canis (dog flea). Fagbemi BO, et al. **Int J Zoonoses** 1981 Dec; 8(2):97–99

IMMUNOLOGY

Immune responses to arthropods and their products. Wikel SK. **Annu Rev Entomol** 1982;27:21–48 (185 ref.)

Transplant of acquired resistance to Polyplax serrata (Phthiraptera: Hoplopleuridae) in skin allografts to athymic mice. Bell JF, et al. **J Med Entomol** 1982 Mar 24; 19(2):164–8

OCCURRENCE

Prevalence of tungiasis in Oto–Ijanikin village, Badagry, Lagos State, Nigeria. Ade-Serrano MA, et al. **Ann Trop Med Parasitol** 1981 Aug;75(4):471–2

PARASITOLOGY

Arthropod related diseases [letter] Tenquist JD. **NZ Med J** 1982 Jul 28;95(712):515

[Pentastomida/tongue worms (author's transl)] Mumcuoglu Y, et al. **Praxis** 1981 Oct 20;70(43):1923–6 (Eng. Abstr.) **(Ger)**

PREVENTION & CONTROL

[Dichlorvos for disinfection in zooparasitic skin diseases (author's transl)] Klíma J. **Cesk Dermatol** 1981 Dec; 56(6):401–4 (Eng. Abstr.) **(Cze)**

PSYCHOLOGY

[Delusions of infestation, dermatozooses and delusional ectoparasitoses, Ekbom syndrome] Bourgeois M, et al. **Ann Med Psychol (Paris)** 1981 Jul;139(7):819–28 **(Fre)**

THERAPY

Skin infestations. Morley WN. **Practitioner** 1982 Jul; 226(1369):1241–6

VETERINARY

Helminth parasites and arthropods of feral cats. Coman BJ, et al. **Aust Vet J** 1981 Jul;57(7):324–7

Pesticide usage on beef and dairy cattle in Scotland 1977/78. Tucker GG, et al. **Br Vet J** 1981 Nov;137(6):626–33

Efficacy of monensin as a cattle feed additive against the face fly and horn fly. Herald F, et al. **J Anim Sci** 1982 Jun;54(6):1128–31

Ectoparasites of rodents in Ismailiya Governorate Egypt. Rifaat MA, et al. **J Egypt Soc Parasitol** 1982 Jun;12(1):1–8

Diagnosis of ectoparasitism. Klayman E, et al. **Mod Vet Pract** 1981 Oct;62(10):767–71

Effect of Ctenocephalides felis strongylus infestation on the performance of West African dwarf sheep and goats. Fagbemi BO. **Vet Q** 1982 Apr;4(2):92–5

Field assessment of permethrin in the control of sheep headfly disease. Appleyard WT. **Vet Rec** 1982 Jan 2;110(1):7–10

Use of cythioate to control external parasites on cats and dogs. Bowen PM, et al. **VM SAC** 1982 Jan;77(1):79–80

[Improper and prohibited use of animal drugs or pesticides, especially lindane] Winckers H. **Tijdschr Diergeneeskd** 1982 Jan 1;107(1):43–4 **(Dut)**

[Economic losses in farm animals due to ectoparasitic infestations] Ilchmann G, et al. **Beitr Trop Landwirtsch Veterinarmed** 1982;20(1):47–56 **(Ger)**

ECTOPIA CORDIS see **HEART DEFECTS, CONGENITAL**

ECTOPIA LENTIS see under LENS DISLOCATION AND SUBLUXATION

ECTOPIC HORMONE SYNDROMES see NEOPLASTIC ENDOCRINE-LIKE SYNDROMES

ECTROMELIA

CHEMICALLY INDUCED

Dissimilar effects of thalidomide in dizygotic twins. Schmidt M, et al. **Acta Genet Med Gemellol (Roma)** 1980;29(4):295–7

COMPLICATIONS

Verruciform xanthoma in an epithelial nevus. Palestine RF, et al. **Arch Dermatol** 1982 Sep;118(9):686–91

Sirenomelia. Potter's syndrome and their relationship to monozygotic twinning: a case report and discussion. Wright JC Jr, et al. **J Reprod Med** 1982 May;27(5):291–4

DIAGNOSIS

[The Roberts syndrome. Report of a case without anomaly of the centrometric region (author's transl)] Pfeiffer RA, et al. **Monatsschr Kinderheilkd** 1982 May;130(5):296–8 (Eng. Abstr.) **(Ger)**

[Sirenomelia--the caudal regression syndrome (author's transl)] Schwartz W, et al. **Monatsschr Kinderheilkd** 1982 Jul;130(7):565–6 (Eng. Abstr.) **(Ger)**

[The value of radiological and ultrasound examination in the prenatal diagnosis of the siren syndrome (author's transl)] Fiegler W, et al. **ROFO** 1980 Nov;133(5):539–42 (Eng. Abstr.) **(Ger)**

[Clinical, radiological and genetic characteristics of various types of short-limb dwarfism in the newborn infant] Richardson V, et al. **Bol Med Hosp Infant Mex** 1982 Feb; 39(2):105–11 (Eng. Abstr.) **(Spa)**

FAMILIAL & GENETIC

Holt Oram syndrome mistaken for thalidomide embryopathy--embryological considerations. Van Regemorter N, et al. **Eur J Pediatr** 1982 Feb;138(1):77–80

Roberts'--SC phocomelia syndrome with cytogenetic findings. Leonard P, et al. **Hum Genet** 1982;60(4):379–80

Roberts syndrome: clinical and cytogenetic aspects. Mann NP, et al. **J Med Genet** 1982 Apr;19(2):116–9

[Mesomelic nanism. Clinico-radiologic study in 2 sisters] Di Gruttola G, et al. **Pediatria (Napoli)** 1981 Sep 30; 89(3):435–55 (Eng. Abstr.) **(Ita)**

[Holt-Oram syndrome. Presentation of two cases (author's transl)] Ferriols Gil EJ, et al. **An Esp Pediatr** 1981 Oct; 15(4):378–82 (Eng. Abstr.) **(Spa)**

PATHOLOGY

Unilateral Potter syndrome with amelia. Barta L, et al. **Acta Paediatr Acad Sci Hung** 1981;22(3):195–9

RADIOGRAPHY

Sirenomelia. Angiographic demonstration of vascular anomalies. Talamo TS, et al. **Arch Pathol Lab Med** 1982 Jul;106(7):347–8

[Caudal regression with sirenomelia and dysplasia renofacialis (Potter's syndrome) (author's transl)] Nöldge G, et al. **ROFO** 1982 May;136(5):587–91 **(Ger)**

REHABILITATION

[Empirical comparative study on attitudes of dysmelic and non-disabled young people in the process of choice of occupation (author's transl)] Weinert C, et al. **Rehabilitation (Stuttg)** 1981 Nov;20(4):170–6 (Eng. Abstr.) **(Ger)**

SURGERY

[Treatment of angular deformities of the leg by external distraction] Aldegheri R, et al. **Chir Organi Mov** 1981; 66(2):203–6 **(Ita)**

ECTROMELIA, INFECTIOUS see under POXVIRUS INFECTIONS

ECTROMELIA VIRUS

IMMUNOLOGY

Serological detection of ectromelia virus antibody. Collins MJ Jr, et al. **Lab Anim Sci** 1981 Oct;31(5 Pt 2):595–8

ECTROPION

COMPLICATIONS

[Bilateral congenital microblepharon with ectropion and microphthalmus (author's transl)] Klauss V, et al. **Klin Monatsbl Augenheilkd** 1981 Nov;179(5):366–7 (Eng. Abstr.) **(Ger)**

CONGENITAL

Spontaneous resolution of congenital ectropion in a collodion baby. Donoso LA, et al. **J Pediatr Ophthalmol Strabismus** 1981 Sep-Oct;18(5):23–5

ETIOLOGY

Ectropion of all four eyelids associated with severe ichthyosis congenita: a case report. Leung PC, et al. **Br J Plast Surg** 1981 Jul;34(3):302–4

Complications of blepharoplasty. Orbital hematoma, ectropion, and scleral show. Tenzel RR. **Clin Plast Surg** 1981 Oct;8(4):797–802

PATHOLOGY

The microscopic anatomy of the lower eyelid retractors. Hawes MJ, et al. **Arch Ophthalmol** 1982 Aug;100(8):1313–8

SURGERY

Tarsal ectropion from detachment of the lower eyelid retractors. Wesley RE. **Am J Ophthalmol** 1982 Apr; 93(4):491–5

Management of paralytic ectropion. Rosenberg S, et al. **Ann Ophthalmol** 1981 Sep;13(9):1063–5

Surgical correction of ectropion in lamellar ichthyosis. Peled I, et al. **Ann Plast Surg** 1982 May;8(5):429–31

The use of preputial skin to replace conjunctiva and to correct ectropion. Parkash S. **Br J Plast Surg** 1982 Apr; 35(2):206–8

Lateral tarsal strip procedure for the correction of paralytic ectropion. Becker FF. **Laryngoscope** 1982 Apr;92(4):382–4

Surgical treatment of the denervated or sagging lower lid. Wiggs EO, et al. **Ophthalmology (Rochester)** 1982 May; 89(5):428–32

[Surgical methods for ectropion of the lower lid caused by hypotonia] Morax S, et al. **Bull Soc Ophtalmol Fr** 1982 Jan;82(1):75–7 **(Fre)**

[Treatment of cicatricial ectropions of the eyelids (author's transl)] Morax S, et al. **J Fr Ophtalmol** 1981;4(10):653–60 (Eng. Abstr.) **(Fre)**

VETERINARY

Surgical correction of everted third eyelid in two cats. Albert RA, et al. **J Am Vet Med Assoc** 1982 Apr 1;180(7):763–6

ECZEMA

The management of allergic contact dermatitis. Cronin E. **Clin Exp Dermatol** 1982 May;7(3):281–3

[Vulvitis and vulvar eczema from the dermatologic viewpoint] Braun-Falco O. **Fortschr Med** 1982 Jun 3; 100(21):975–80 **(Ger)**

BLOOD

[Simultaneous determination of the number and functional state of T-, B-, D- and O-lymphocytes in patients with occupational allergoses] Grishina TI. **Vestn Akad Med Nauk SSSR** 1981;(6):30–2 (Eng. Abstr.) **(Rus)**

[Disturbance of the metabolic process in the peripheral leukocytes in eczema] Anton'ev AA, et al. **Vestn Dermatol Venerol** 1982 May;(5):12–4 (Eng. Abstr.) **(Rus)**

CHEMICALLY INDUCED

Contact sensitization to 2-monomethylol phenol in phenol formaldehyde resin as an example of the recognition and prevention of industrial dermatoses. Rycroft RJ. **Clin Exp Dermatol** 1982 May;7(3):285–90

Occupational dermatosis by vitamin K3 sodium bisulphite. Camarasa JG, et al. **Contact Dermatitis** 1982 Jul;8(4):268

Allergic contact eczema from topical corticosteroids. Förström L, et al. **Contact Dermatitis** 1982 Mar;8(2):128–33

Benzoin sensitivity. Mann RJ. **Contact Dermatitis** 1982 Jul; 8(4):263

[Nail varnish eczema] Avnstorp C, et al. **Ugeskr Laeger** 1981 Sep 21;143(39):2504–5 (Eng. Abstr.) **(Dan)**

[Cement eczema] Avnstorp C, et al. **Ugeskr Laeger** 1982 Jan 4;144(1):59–60 (Eng. Abstr.) **(Dan)**

[Tetramisol in anthelmintic nilverm - a professional eczematogenic agent in cattle-breeding (author's transl)] Pambor M, et al. **Dermatol Monatsschr** 1982 May; 168(5):314–6 **(Ger)**

[Contact allergy to epoxy resin hardeners] Rudzki E, et al. **Med Pr** 1981;32(1):59–62 (Eng. Abstr.) **(Pol)**

[Progress in environmental dermatology (selected problems)] Grzegorczyk L. **Przegl Dermatol** 1981 Jul-Aug; 68(4):515–21 (34 ref.) **(Pol)**

[Hypersensitivity to the most common allergens in workers of the drug industry] Rudzki E, et al. **Przegl Dermatol** 1981 Jul-Aug;68(4):463–6 (Eng. Abstr.) **(Pol)**

[Skin diseases in workers in petroleum refinery plants] Ruszczak Z, et al. **Przegl Dermatol** 1981 Jul-Aug; 68(4):435–9 (Eng. Abstr.) **(Pol)**

[Allergy to the most frequently used volatile oils in Poland] Grzywa Z. **Wiad Lek** 1981 Jun 1;34(11):937–40 (Eng. Abstr.) **(Pol)**

[Clinical aspects of occupational dermatoses of construction workers] Gómez Orbaneja. **Actas Dermosifiliogr** 1981 Nov-Dec;72(11-12):581–8 (Eng. Abstr.) **(Spa)**

COMPLICATIONS

Ear dermatitis, lactose intolerance, and eczema [letter] Kirschenbaum MB. **Arch Dermatol** 1981 Sep;117(9):523

Risk of hepatitis B virus infection in patients with eczema or psoriasis of the hand. Guadagnino V, et al. **Br Med J [Clin Res]** 1982 Jan 9;284(6309):84

DIAGNOSIS

Varicose eczema. Reinharez D. **Phlebologie** 1982 Jan-Mar; 35(1):259–72 **(Eng, Fre)**

[Varicose eczema] Desmons F. **Phlebologie** 1982 Apr-Jun; 35(2):639–44 (Eng. Abstr.) **(Fre)**

DIET THERAPY

[Evaluation of diet therapy in patients with eczema] Sharapova GIa, et al. **Vestn Dermatol Venerol** 1982;(1):50–5 (Eng. Abstr.) **(Rus)**

[Effect of diet therapy on the serum immunoglobulin level in chronic eczema] Samsonov MA, et al. **Vopr Pitan** 1982 Mar-Apr;(2):12–5 (Eng. Abstr.) **(Rus)**

DRUG THERAPY

Oral methoxsalen photochemotherapy (PUVA) of dyshidrotic eczema. LeVine MJ, et al. **Acta Derm Venereol (Stockh)** 1981;61(6):570–1

Treatment of eczema herpeticum with vidarabine. Braunstein BL, et al. **Arch Dermatol** 1982 Aug;118(8):597–8

A severe 'stasis eczema', associated with low plasma zinc, treated successfully with oral zinc. Owens CW, et al. **Br J Dermatol** 1981 Oct;105(4):461–4

A controlled comparison of amcinonide cream 0.1 percent and halcinonide cream 0.1 percent in the treatment of eczematous dermatitis. Guenther L, et al. **Cutis** 1981 Oct; 28(4):461–2, 464, 467

Two years' experience with Tigason treatment of pustulosis palmo-plantaris and eczema keratoticum manuum. Reymann F. **Dermatologica** 1982 Mar;164(3):209–16

[Problems in the treatment and after care of chronic dermatoses. A clinical study on hametum ointment] Pfister R. **Fortschr Med** 1981 Aug 27;99(31-32):1264–8 (Eng. Abstr.) **(Ger)**

[Baycuten and baycuten SD. Effect and tolerance] Polkowska M, et al. **Med Welt** 1982 Apr 8;33(14):525–9 **(Ger)**

[A topical combination of triamcinolone acetonide 0.1% + econazole nitrate 1% in cream, ointment and fatty ointment. A multicentre study on eczema] Schwarz KJ, et al. **Praxis** 1982 Apr 6;71(14):606–11 (Eng. Abstr.) **(Ger)**

[The risks of photochemotherapy (author's transl)] Stüttgen G, et al. **Z Hautkr** 1981 Nov 1;56(21):1379–99 (Eng. Abstr.) **(Ger)**

[Therapy of various types of eczema, dermatitis and psoriasis vulgaris. Effect and tolerance of diflorason diacetate (Florone)] Bender E. **ZFA (Stuttgart)** 1982 Jan 20; 58(2):114–7 **(Ger)**

[Treatment of eczema in general practice. Combination therapy with econazole nitrate and triamcinolone acetonide] Luderschmidt C, et al. **ZFA (Stuttgart)** 1981 Oct 10;57(28):1929–34 **(Ger)**

[Soviet corticotropin in the treatment of neurodermatitis and eczema] Korotkii NG, et al. **Vestn Dermatol Venerol** 1981 Aug;(8):55–8 (Eng. Abstr.) **(Rus)**

[Treatment of chronic recurrent dermatoses with pyridoxal phosphate] Korotkii NG, et al. **Vestn Dermatol Venerol** 1982 Feb;(2):45–8 (Eng. Abstr.) **(Rus)**

ENZYMOLOGY

[Changes in the activity of serum lactate and malate dehydrogenases and their isoenzymes in eczema patients] Sosnovskii AT, et al. **Vestn Dermatol Venerol** 1982;(1):23–7 (Eng. Abstr.) **(Rus)**

ETIOLOGY

Allergological aspects of atopic eczema in children. Berg T. **Acta Derm Venereol [Suppl] (Stockh)** 1981;95:29–32

Late-onset atopic eczema and multiple food allergies after infectious mononucleosis. Barnetson RS, et al. **Br Med J [Clin Res]** 1981 Oct 24;283(6299):1086–7

Eczema and infant diet. Fergusson DM, et al. **Clin Allergy** 1981 Jul;11(4):325–31

Allergy and atopic eczema II. Atherton DJ. **Clin Exp Dermatol** 1981 May;6(3):317–25 (38 ref.)

Violin chin rest eczema due to east-indian rosewood (Dalbergia latifolia ROXB). Haustein UF. **Contact Dermatitis** 1982 Jan;8(1):77–8

Dermatitis in loco minoris resistentiae. Zuehlke RL, et al. **J Am Acad Dermatol** 1982 Jun;6(6):1010–3

Breastfeeding and eczema/asthma [letter] Golding J, et al. **Lancet** 1982 Mar 13;1(8272):623

[Eczematous rash and periodic disease: improvement by colchicine] Guillet G, et al. **Pediatrie** 1981 Dec;36(8):623–6 (Eng. Abstr.) **(Fre)**

[On the risk for the skin of the workers in the production of synthetic fibers (author's transl)] Prinz L. **Dermatol Monatsschr** 1981 Jun;167(6):362–9 (Eng. Abstr.) **(Ger)**

[Skin changes in children with malabsorption syndrome] Kaczmarski M, et al. **Przegl Dermatol** 1981 May-Jun; 68(3):317–23 (Eng. Abstr.) **(Pol)**

[Various problems of pathogenesis and treatment of pruritic dermatoses] Grando SA. **Vrach Delo** 1981 Mar;(3):106–108 (Eng. Abstr.) **(Rus)**

FAMILIAL & GENETIC

[A syndrome: uncombable hair. Observation of 6 members of a family with pili canaliculi, associated with pili torti, progressive alopecia, atopic eczema and hamartomas] Braun-Falco O, et al. **Hautarzt** 1982 Jul;33(7):366-72 (Eng. Abstr.) **(Ger)**

[Interrelationship between the occurrence of microbial eczema and the genetic blood markers (ABO, Rhesus and MN)] Kasenov KU, et al. **Vestn Dermatol Venerol** 1981 May;(5):21-2 (Eng. Abstr.) **(Rus)**

IMMUNOLOGY

Eczema and atopy in early childhood: low IgA plasma cell counts in the jejunal mucosa. Sloper KS, et al. **Arch Dis Child** 1981 Dec;56(12):939-42

Atopic eczema after viral infection [letter] Harper J, et al. **Br Med J [Clin Res]** 1982 Jan 9;284(6309):117

Lymphocytes with receptors for IgG and IgM in atopic eczema and their relationship to serum IgE levels. Campbell MA. **Clin Allergy** 1981 Nov;11(6):509-13

Inhaled allergens in infantile atopic eczema [letter] **Lancet** 1982 Feb 27;1(8270):502-3

[Applied allergology 14. Contact dermatitis--contact eczema] Ring J. **MMW** 1982 Feb 12;124(6):102-5 **(Ger)**

[Modified leukocyte migration inhibition test with workers of the buildings and metals industries with chromium eczema] Bowszyc J, et al. **Med Pr** 1981;32(6):423-7 (Eng. Abstr.) **(Pol)**

[Immunological disorders in eczema in children and their parents] Életskii AIu. **Pediatriia** 1981 Dec;(12):36-7 (Eng. Abstr.) **(Rus)**

[Dynamics and external sensibilization relationships in contact eczema, varicose complex and dermatomycosis (author's transl)] Hegyi E, et al. **Cesk Dermatol** 1981 Aug; 56(4):215-26 (Eng. Abstr.) **(Slo)**

METABOLISM

[Alkali neutralization and alkali resistance in persons with healthy skin and in eczema patients] Schieferstein G, et al. **Derm Beruf Umwelt** 1982;30(1):7-13 (Eng. Abstr.) **(Ger)**

MICROBIOLOGY

Herpes simplex virus and eczematous skin. Noble WC, et al. **Br J Dermatol** 1981 Oct;105(4):475-6

OCCURRENCE

Occurrence of contact allergy and hand eczemas in hospital wet work. Lammintausta K, et al. **Contact Dermatitis** 1982 Mar;8(2):84-90

PATHOLOGY

[Senile changes in epidermis; electron microscopic changes seen in the epidermis of xerosis senilis (author's transl)] Tezuka T. **Nippon Hifuka Gakkai Zasshi** 1981; 91(12):1299-303 **(Jpn)**

PHYSIOPATHOLOGY

[Persistent light reaction due to phenothiazines in atopic disease (author's transl)] Amblard P, et al. **Ann Dermatol Venereol** 1982;109(3):225-8 (Eng. Abstr.) **(Fre)**

[Functional state of the skin after the resolution of the clinical signs of occupational eczema] Rasskazov NI, et al. **Vestn Dermatol Venerol** 1981 Aug;(8):52-4 (Eng. Abstr.) **(Rus)**

PREVENTION & CONTROL

Infant feeding and atopy [letter] Midwinter RE, et al. **Lancet** 1982 Feb 6;1(8267):339

PSYCHOLOGY

Sleep, scratching and dreams in eczema. A new approach to alexithymia. Tantam D, et al. **Psychother Psychosom** 1982;37(1):26-35

RADIOGRAPHY

[Changes in the kidneys and upper urinary tracts in dyshidrotic eczema based on x-ray study data] Bologan IN. **Vestn Rentgenol Radiol** 1981 Sep-Oct;(5):80 **(Rus)**

REHABILITATION

[Occupational rehabilitation of patients with hand eczema (author's transl)] Ummenhofer B, et al. **Derm Beruf Umwelt** 1982;30(2):35-40 (Eng. Abstr.) **(Ger)**

THERAPY

Chronic hand eczema strategies. Shelley WB, et al. **Cutis** 1982 Jun;29(6):569-73, 581-4, 598

The treatment of chronic eczemas of the hands. Reque PG. **J Med Assoc State Ala** 1982 Apr;51(10):41-7

VETERINARY

A facial eczema outbreak in sheep [letter] Edwards JR, et al. **Aust Vet J** 1981 Aug;57(8):392-4

ECZEMA VACCINATUM see **KAPOSI'S VARICELLIFORM ERUPTION**

EDATHAMIL see **EDTA**

EDEINE see under **ANTIBIOTICS**

EDEMA

see related
ANGIONEUROTIC EDEMA
BRAIN EDEMA
LARYNGEAL EDEMA
LYMPHEDEMA
PAPILLEDEMA
PULMONARY EDEMA

[Pathogenesis of a postoperative complication of crystalline lens extraction] Popescu MP. **Rev Chir [Oftalmol]** 1981 Oct-Dec;25(4):275-7 (Eng. Abstr.) **(Rum)**

CHEMICALLY INDUCED

On the question of seasonal variations of the carrageenin rat paw edema and of the phenylbutazone effect on it. Bekemeier H, et al. **Agents Actions [Suppl]** 1982;10:73-82

Corneal edema and the intraocular use of epinephrine. Edelhauser HF, et al. **Am J Ophthalmol** 1982 Mar; 93(3):327-33

Respiratory obstruction of unusual origin. An unexpected hazard of leisure-time activity. Hine I. **Anaesthesia** 1982 Aug;37(8):825-6

Upper airway edema--an anaphylactoid reaction to succinylcholine? Cohen S, et al. **Anesthesiology** 1982 Jun; 56(6):467-8

Acute chemotic reaction to cromolyn. Ostler HB. **Arch Ophthalmol** 1982 Mar;100(3):412-3

Oedema, a rare adverse reaction to etretinate (Trigason) [letter] Laharanta J. **Br J Dermatol** 1982 Feb;106(2):251

Peripheral oedema in patients treated with isosorbide dinitrate. Rodger JC. **Br Med J [Clin Res]** 1981 Nov 21; 283(6303):1365-6

Painful edema, erythematous rash, and burning sensation due to nifedipine. Grunwald Z. **Drug Intell Clin Pharm** 1982 Jun;16(6):492

Potentiative effects of a kinase II inhibitor (Ys980) on carrageenan-induced oedema in rat hind paw and roles of plasma kininogen. Suda H, et al. **J Pharm Pharmacol** 1982 Jan;34(1):60-1

Pharmacological modification of the edema produced by combined infusions of prostaglandin E1 and bradykinin in canine forelimbs. Prasad CM, et al. **J Pharmacol Exp Ther** 1982 Feb;220(2):293-8

Circannual variations in carrageenan-induced paw edema and in the anti-inflammatory effect of phenylbutazone in the rat. Labrecque G, et al. **Pharmacology** 1982; 24(3):169-74

[Insulin induced edema] Marthedal NJ, et al. **Ugeskr Laeger** 1982 Jan 25;144(4):244 (Eng. Abstr.) **(Dan)**

[Kinins and oedema induced by different carrageenans (author's transl)] Damas J, et al. **J Pharmacol** 1982 Apr-Jun; 13(2):225-39 (Eng. Abstr.) **(Fre)**

[Edemas following longer administration of corticosteroids? (letter)] Kaiser H. **Dtsch Med Wochenschr** 1981 Sep 11; 106(37):1192-3 **(Ger)**

COMPLICATIONS

A fluorescein angiographic study of cystoid macular edema. Jaffe NS, et al. **Am J Ophthalmol** 1981 Dec;92(6):775-7

An unusual cause of respiratory obstruction after thyroidectomy [letter] Bexton MD, et al. **Anaesthesia** 1982 May;37(5):596

Periorbital edema in systemic lupus erythematosus. Smith CA, et al. **Arch Intern Med** 1982 Sep;142(9):1711-2

Thyroid acropachy complicated by lymphatic obstruction. Rothschild BM, et al. **Arthritis Rheum** 1982 May; 25(5):588-90

Ophthalmological study of epidemic dropsy. Rathore MK. **Br J Ophthalmol** 1982 Sep;66(9):573-5

Prevention and management of corneal decompensation. Langston RH. **Int Ophthalmol Clin** 1982 Summer; 22(2):189-201 (42 ref.)

Effects of cataract surgery on corneal function. Holden BA, et al. **Invest Ophthalmol Vis Sci** 1982 Mar;22(3):343-50

Complications of late capsulotomy. Livernois R, et al. **J Am Intraocul Implant Soc** 1981 Summer;7(3):242-3

Hydrops of the gallbladder in an adult with Kawasaki disease. Liebmann LI, et al. **JAMA** 1982 Feb 12;247(6):827-9

Pancreatic enlargement and Wilson's disease [letter] Minns RA, et al. **Lancet** 1982 Aug 7;2(8293):337-8

Intraocular lenses. Experience at the Wilmer Institute. Stark WJ, et al. **Ophthalmology (Rochester)** 1982 Feb;89(2):104-8

Nonimmunologic fetal hydrops wtih theca lutein cysts. Fleming P, et al. **Radiology** 1981 Oct;141(1):169-70

A long-term follow-up study of cystoid macular edema in aphakic and pseudophakic eyes. Wilkinson CP. **Trans Am Ophthalmol Soc** 1981;79:810-39 (61 ref.)

Massive ovarian oedema with production of testosterone. Spinas GA, et al. **Virchows Arch [Pathol Anat]** 1981; 390(3):365-71

[Edema of the lower extremities. Pleurisy. Right atrial hypertrophy. Sudden death in a patient with hemochromatosis (clinical conference)] Herreman G, et al. **Ann Med Interne (Paris)** 1981;132(7):514-23 **(Fre)**

[Macular edema in pigmented retinopathy - apropos of 2 cases] Lagoutte F, et al. **Bull Soc Ophtalmol Fr** 1981 Jun-Jul;81(6-7):709-12 **(Fre)**

[Significance of EPH-gestosis symptoms for the condition of the newborn] Bender HG, et al. **Med Welt** 1982 Mar 19;33(11):398-404 **(Ger)**

CONGENITAL

Hydrops fetalis caused by maternal indomethacin treatment. Mogilner BM, et al. **Acta Obstet Gynecol Scand** 1982; 61(2):183-5

DIAGNOSIS

Hydrops of gallbladder in a premature neonate. Schrumpf JD, et al. **Am J Dis Child** 1982 Feb;136(2):172-3

Differential diagnosis of hydrops fetalis. Machin GA. **Am J Med Genet** 1981;9(4):341-50

Macular edema and cystoid macular edema. Fine BS, et al. **Am J Ophthalmol** 1981 Oct;92(4):466-81

Ultrasound diagnosis of hydrops fetalis due to fetal tachycardia. Shirley IM, et al. **Br J Radiol** 1981 Sep; 54(645):815-7

Aphakic bullous keratopathy: preoperative fluorescein angiographic screening for macular edema. Brightbill FS, et al. **Contact Intraocular Lens Med J** 1981 Apr-Jun; 7(2):144-9

A comparison between surface measurements and water displacement volumetry for the quantification of leg edema. Stranden E. **J Oslo City Hosp** 1981 Dec;31(12):153-5

Mucocutaneous lymph node syndrome with hydrops of the gallbladder diagnosed by ultrasound. Koss JC, et al. **JCU** 1981 Nov-Dec;9(9):477-9

Fetal echocardiography for evaluation of in utero congestive heart failure. Kleinman CS, et al. **N Engl J Med** 1982 Mar 11;306(10):568-75

The many faces of idiopathic oedema of women. Feely J. **Postgrad Med J** 1982 Apr;58(678):229-32

Ultrasonographic evaluation of the gallbladder in mucocutaneous lymph node syndrome. Bradford BF, et al. **Radiology** 1982 Feb;142(2):381-4

Hydrops fetalis: sonographic evaluation and clinical implications. Fleischer AC, et al. **Radiology** 1981 Oct; 141(1):163-8

Ultrasonic diagnosis of a fetal cardiac malformation. A case report. Milner S, et al. **S Afr Med J** 1982 Jul 17;62(3):105-6

[Fluorescein angiography of the iris and Irvine-Gass syndrome (selection of indications for anterior vitrectomy)] Bonnet M, et al. **Bull Soc Ophtalmol Fr** 1981 Nov; 81(11):1001-3 (Eng. Abstr.) **(Fre)**

[Acute panendothelial retinal leakage in juvenile diabetes (author's transl)] Bonnet M, et al. **J Fr Ophtalmol** 1982; 5(5):303-16 (Eng. Abstr.) **(Fre)**

[The blue tests. Current data concerning its indications and interpretation (author's transl)] Ducros R. **J Mal Vasc** 1981; 6(2):133-8 (Eng. Abstr.) **(Fre)**

[Recommendations for the execution and evaluation of epicutaneous, intracutaneous and prick tests as well as of nasal and inhalative allergen tests] Behrbohm P, et al. **Allerg Immunol (Leipz)** 1981;27(2):75-86 **(Ger)**

[Diagnosis of premenstrual edema] Kaulhausen H, et al. **Dtsch Med Wochenschr** 1982 Jul 23;107(29-30):1148-9 **(Ger)**

[Diagnosis of peripheral edema in general practice and in the hospital] Gregl A, et al. **Z Lymphol** 1981 Dec;5(2):58-64 **(Ger)**

[Acute hydrops of the gallbladder in childhood] Berant M, et al. **Harefuah** 1981 Aug;101(3-4):61-2 (Eng. Abstr.) **(Heb)**

[Early diagnosis of the edema syndrome in pregnant women by the conductometry of small volumes of blood] Ivanov IP, et al. **Akush Ginekol (Mosk)** 1982 Mar;(3):30-2 **(Rus)**

[Keratofluoropenetrometry in assessing treatment effectiveness in chronic edematous keratopathy] Kas'ianova NS, et al. **Vestn Oftalmol** 1981 Nov-Dec;(6):31-4 (Eng. Abstr.) **(Rus)**

DRUG THERAPY

Some methodical aspects of the evaluation of anti-inflammatory drugs in experimentally induced oedemas of the rat hind paw. Marek J. **Acta Univ Palacki Olomuc Fac Med** 1982;102:47-97

Antibody-induced foot oedema, hyperalgesia and monoarticular arthritis in rats, guinea-pigs and rabbits for testing anti-inflammatory, antiarthritic agents. Bianchi C. **Agents Actions** 1981 Dec;11(6-7):750-61

Comparison of the action of antiphlogistics, anti-anaphylactics and antihistaminics in the carrageenin- & immunologically-induced inflammation model in the rat and in passive cutaneous anaphylaxis. Grupe R, et al. **Agents Actions [Suppl]** 1982;10:273-87

The influence of inhibitors of RNA and protein synthesis on dexamethasone action in carrageenin paw edema and adjuvant arthritis of rats. Hirschelmann R, et al. **Agents Actions [Suppl]** 1982;10:233-40

Anti-inflammatory activity of catalase in carrageenin edema, manganese chloride edema and adjuvant arthritis of rats. Hirschelmann R, et al. **Agents Actions [Suppl]** 1982; 10:157-72

Resolution rates of artificially produced protein and amino acid oedemas and the effects of a benzopyrone. Gaffney RM. **Br J Exp Pathol** 1981 Oct;62(5):490–5

Treatment of nephrotic edema with bumetanide. Lemieux G, et al. **Can Med Assoc J** 1981 Nov 15;125(10):1111–2

Hemodynamic effects of diuretics in patients with marked peripheral edema and mild hypertension. Niarchos AP, et al. **Clin Pharmacol Ther** 1982 Mar;31(3):370–6

Diuretics in infancy. Lewy JE. **Contrib Nephrol** 1981; 27:33–44 (33 ref.)

Preclinical studies on indoprofen, a new non-steroidal analgesic-antiinflammatory agent. Buttinoni A, et al. **Eur J Rheumatol Inflamm** 1981;4(1):3–10

Diuretic therapy in pregnancy induced hypertension and pregnancy edema. **Prema K, et al. Indian J Med Res** 1982 Apr;75:545–53

Reversal of anoxic corneal swelling by breathing oxygen. Weissman BA, et al. **Invest Ophthalmol Vis Sci** 1982 Jan; 22(1):124–7

Effects of bromocriptine on renin, aldosterone, and prolactin responses to posture and metoclopramide in idiopathic edema: possible therapeutic approach. Sowers J, et al. **J Clin Endocrinol Metab** 1982 Mar;54(3):510–6

Comparative efficacy and safety of bumetanide and furosemide in long-term treatment of edema due to congestive heart failure. Dixon DW, et al. **J Clin Pharmacol** 1981 Nov-Dec;21(11–12 Pt 2):680–7

The effects of a single, intravenous dose of bumetanide versus furosemide in patients with ascites and edema due to alcoholic liver disease. Koff RS. **J Clin Pharmacol** 1981 Nov-Dec;21(11–12 Pt 2):706–11

Long-term bumetanide treatment of patients with edema due to renal disease. Cooperative studies. Stone WJ, et al. **J Clin Pharmacol** 1981 Nov-Dec;21(11–12 Pt 2):587–980

Long-term bumetanide treatment of renal edema. Comparison with furosemide. Whelton A. **J Clin Pharmacol** 1981 Nov-Dec;21(11–12 Pt 2):591–8

Idiopathic edema treated with captopril. Campieri C, et al. **Minerva Nefrol** 1981 Jul-Sep;28(3):257–9

Treatment of recurrent corneal erosion and corneal edema with topical osmotic colloidal solution. Foulks GN. **Ophthalmology (Rochester)** 1981 Aug;88(8):801–3

[Treatment with captopril of idiopathic edemas (author's transl)] Mimran A. **Nouv Presse Med** 1981 Apr 30; 10(19):1594–5 (Eng. Abstr.) **(Fre)**

[Therapy of premenstrual edema] Niesert S, et al. **Dtsch Med Wochenschr** 1982 Jul 23;107(29–30):1150–2 **(Ger)**

[The effect of epicutaneous heparin treatment] Stüttgen G. **Fortschr Med** 1982 Jun 10;100(22):1067–70 (Eng. Abstr.) **(Ger)**

[Bromocriptine in patients with idiopathic edema (author's transl)] Jungmann E, et al. **Klin Wochenschr** 1981 Dec 15; 59(24):1353–5 (Eng. Abstr.) **(Ger)**

[Nephrological aspects of diuretic therapy] Rawer P, et al. **Med Welt** 1982 Jan 29;33(4):117–20 **(Ger)**

[Treatment of postoperative edema and pain with the antiphlogistic Surgam] Bornfleth GH, et al. **Ther Ggw** 1981 Aug;120(8):719–22 **(Ger)**

[Comparative study on the shrinking effect of diclofenac-sodium and an aescin preparation in traumatology] Albrecht J. **ZFA (Stuttgart)** 1981 Oct 20; 57(29):2012–6 **(Ger)**

[Clinical experience with a molecule with anti-inflammatory action: flurbiprofen] Berti L, et al. **Clin Ter** 1982 Apr 15; 101(1):65–9 **(Ita)**

[Clinical use of bumetanide] Pellerito R, et al. **Clin Ter** 1981 Sep 30;98(6):651–60 (Eng. Abstr.) **(Ita)**

[Idiopathic edema] Shimamoto K, et al. **Nippon Rinsho** 1982; 40(3):634–41 **(Jpn)**

[The effect of naproxen suppositories on postoperative pain and edema compared with oxyphenbutazone and placebo. A single blind pilot project in rheumatoid surgery] Svendsen H. **Tidsskr Nor Laegeforen** 1982 Jan 20; 102(2):90–2 (Eng. Abstr.) **(Nor)**

[Treatment of postoperative edema of the hand with proteolytic enzymes] Osepian IA, et al. **Ortop Travmatol Protez** 1981 Aug:(8):28–30 (Eng. Abstr.) **(Rus)**

ENZYMOLOGY

Anthrax toxin edema factor: a bacterial adenylate cyclase that increases cyclic AMP concentrations of eukaryotic cells. Leppla SH. **Proc Natl Acad Sci USA** 1982 May; 79(10):3162–6

ETIOLOGY

Interstitial fluid, lymph and oedema formation. Szabó G, et al. **Acta Physiol Acad Sci Hung** 1980;56(4):367–78

Simultaneous and continuous measurement of swelling and skin temperature as well as discrete measurements of the pain threshold in paw edemas of restrained rats. Bekemeier H, et al. **Agents Actions [Suppl]** 1982;10:59–72

Bowel edema due to acute mesenteric ischemia. DeLuca SA, et al. **Am Fam Physician** 1982 Jan;25(1):175–6

Cystic meconium peritonitis associated with hydrops fetalis. Mayock DE, et al. **Am J Obstet Gynecol** 1982 Mar 15;142(6 Pt 1):704–5

Supraventricular tachycardia with edema, ascites, and hydrops in fetal sheep. Stevens DC, et al. **Am J Obstet Gynec[illegible]82** Feb 1;142(3):316–22

The acute onset of facial oedema after extubation [letter] Matsuki A. **Anaesthesia** 1982 May;37(5):596–7

Hazard of automatic noninvasive blood pressure monitoring [letter] Showman A, et al. **Anesthesiology** 1981 Dec; 55(6):717–8

Edema in the ectopic ACTH syndrome [letter] Wasserstein A. **Ann Intern Med** 1982 Jun;96(6 Pt 1):785–6

Corneal edema as a result of ischemic endothelial damage: a case report. Nielsen NV, et al. **Ann Ophthalmol** 1982 Mar;14(3):276–8

Sarcoidosis manifesting as eyelid swelling. Diestelmeier MR, et al. **Arch Dermatol** 1982 May;118(5):356–7

Intermittent touch syndrome. Drews RC. **Arch Ophthalmol** 1982 Sep;100(9):1440–1

Aphakic cystoid macular edema: occurrence in infants and children after transpupillary lensectomy and anterior vitrectomy. Hoyt CS, et al. **Arch Ophthalmol** 1982 May; 100(5):746–9

Maxillary sinusitis as a cause of cheek swelling. A rare occurrence. Shugar JM, et al. **Arch Otolaryngol** 1982 Aug; 108(8):507–8

Retroperitoneal leiomyoma with periorbital and peripheral edema. Drinkwater DC Jr, et al. **Can J Surg** 1982 Jan; 25(1):79–80

Breast edema following staging axillary node dissection in patients with breast carcinoma treated by radical radiotherapy. Clarke D, et al. **Cancer** 1982 Jun 1; 49(11):2295–9

Facial swelling: a complication of transvenous pacing. Deanfield JE, et al. **Clin Cardiol** 1982 Apr;5(4):308–9

Rose bengal induced corneal swelling: relation to inciting wavelength. Hull DS, et al. **Curr Eye Res** 1981;1(8):487–90

Edema and heart failure without cardiomegaly. Cody RJ. **Hosp Pract** 1982 May;17(5):65–6, 70

Spongiosis--a passive phenomenon? [letter] Jones RR. **J Am Acad Dermatol** 1982 Apr;6(4 Pt 1):547–9

Stromal lactate accumulation can account for corneal oedema osmotically following epithelial hypoxia in the rabbit. Klyce SD. **J Physiol (Lond)** 1981 Dec;321:49–64

Diabetic halo. A reversible ultrasonic sign. Kassam SH, et al. **J Reprod Med** 1981 Nov;26(11):588–92

Facial swelling and giant cell arteritis. Cohen MD, et al. **J Rheumatol** 1982 Mar-Apr;9(2):325–7

Acute idiopathic penile edema: a separate clinical entity? Lau JT, et al. **J Urol** 1981 Nov;126(5):704–5

Unilateral leg edema [letter] Kurz L. **JAMA** 1981 Oct 9; 246(15):1660

Protein deficiency, energy deficiency, and the oedema of malnutrition. Golden MH. **Lancet** 1982 Jun 5; 1(8284):1261–5

Nonimmunologic hydrops fetalis: a review of 61 cases. Hutchison AA, et al. **Obstet Gynecol** 1982 Mar;59(3):347–52

Cystoid macular edema after intracapsular and extracapsular cataract extraction with and without an intraocular lens. Jaffe NS, et al. **Ophthalmology (Rochester)** 1982 Jan; 89(1):25–9

Pseudophakic cystoid maculopathy: a study of 50 cases. Stern AL, et al. **Ophthalmology (Rochester)** 1981 Sep;88(9):942–6

Edema in oral rehydration. Sugijanto, et al. **Paediatr Indones** 1981 Nov-Dec;21(11–12):229–34

Lymphoma presenting as anasarca. Garland T Jr, et al. **South Med J** 1981 Sep;74(9):1157–8

Reversible ischemic optic neuropathy in severe anemia. Laibovitz RA. **Tex Med** 1982 Jan;78(1):56–8

[Unilateral breast edema in chronic heart disease] Lindhardt F. **Ugeskr Laeger** 1981 Jun 8;143(24):1536–7 (Eng. Abstr.) **(Dan)**

[The benign superior vena cava syndrome] Timmermans AJ, et al. **Ned Tijdschr Geneeskd** 1981 Dec 26;125(52):2144–8 (Eng. Abstr.) **(Dut)**

[Occurrence of Irvine-Gass syndrome after surgery to create a new pupil in a woman operated on for cataract 20 years previously] Penide JF, et al. **Bull Soc Ophtalmol Fr** 1981 Nov;81(11):955–7 **(Fre)**

[Edematous forms of Horton arteritis. Two case-reports (author's transl)] Herreman G, et al. **Sem Hop Paris** 1982 May 20;58(20):1240–1 **(Fre)**

[Varioliform gastritis revealed by edema with hypoproteinemia (author's transl)] Vesin P, et al. **Sem Hop Paris** 1982 Mar 4;58(9):559–60 (Eng. Abstr.) **(Fre)**

[Corneal edema in young glaucoma patients (author's transl)] Imre G, et al. **Klin Monatsbl Augenheilkd** 1981 Dec; 179(6):465–6 (Eng. Abstr.) **(Ger)**

[Cases from the edema consultation] **Z Lymphol** 1981 Dec; 5(2):83–9 **(Ger)**

[Post-phlebitis syndromes. Indications and limitations of surgical treatment] Mangiola A, et al. **Minerva Chir** 1980 Dec 15-31;35(23-24):1951–5 **(Ita)**

[Acute hemorrhagic edema in the infant] Saggese M. **Pediatria (Napoli)** 1981 Dec 31;89(4):775–85 **(Ita)**

[Local factors responsible for causing edema--changes in the volume of interstitial fluid] Sato T. **Nippon Rinsho** 1982; 40(3):508–13 **(Jpn)**

[Irvine's syndrome: incidence and treatment (author's transl)] Hruby K. **Klin Oczna** 1981 Apr-May;83(4–5):257–8 (Eng. Abstr.) **(Pol)**

[Comparative study of venoms of newborn and adult specimens of Bothrops asper] Gutiérrez JM, et al. **Rev Biol Trop** 1980 Dec;28(2):341–51 (Eng. Abstr.) **(Spa)**

FAMILIAL & GENETIC

Trisomy 16 in the mouse fetus associated with generalized edema and cardiovascular and urinary tract anomalies. Miyabara S, et al. **Teratology** 1982 Jun;25(3):369–80

METABOLISM

Oxygen consumption in canine skeletal muscle following massive saline infusion. Landau SE, et al. **Adv Shock Res** 1979;2:93–101

Theophylline-estrogen interaction in the rat uterus: role of the ovary. Steinsapir J, et al. **Am J Physiol** 1982 Feb; 242(2):E121–6

Abnormalities of sodium and H2O handling in chronic obstructive lung disease. Farber MO, et al. **Arch Intern Med** 1982 Jul;142(7):1326–30

Studies on mechanisms of action of emorfazone. Effects on the release of bradykinin-like substance in thermic edema of rat paws. Sato M, et al. **Arzneimittelforsch** 1982; 32(4):379–82

Acute turpentine inflammation and kinin release in rat-paw thermic oedema. Limãos EA, et al. **Br J Exp Pathol** 1981 Dec;62(6):591–4

Hormones and fluid retention in cirrhosis [editorial] **Lancet** 1982 Jun 12;1(8285):1341–2

Hormones and fluid retention in cirrhosis [letter] Espiner EA, et al. **Lancet** 1982 Aug 28;2(8296):501–2

Microgravimetric analysis of nerve edema. Costello ML, et al. **Muscle Nerve** 1982 Apr;5(4):261–4

[Retention of 99mTc-MDP in edema fluid] Vattimo A, et al. **Boll Soc Ital Cardiol** 1980;25(7):719–22 **(Ita)**

[Comparative studies of urinary electrolyte excretion, the renin-angiotensin-aldosterone system and plasma dopamine-beta-hydroxylase activity in patients with idiopathic edema and normal subjects during the menstrual cycle (author's transl)] Mikami K, et al. **Nippon Naibunpi Gakkai Zasshi** 1981 May 20;57(5):826–32 (Eng. Abstr.) **(Jpn)**

[Prostaglandin system and kallikrein-kinin-system in edematous diseases] Abe K. **Nippon Rinsho** 1982; 40(3):615–21 **(Jpn)**

[Nephritis and edema] Orita Y, et al. **Nippon Rinsho** 1982; 40(3):627–33 **(Jpn)**

[Renin-angiotensin-aldosterone system in edematous diseases] Saruta T. **Nippon Rinsho** 1982;40(3):609–14 **(Jpn)**

[Components of edematous fluid] Yabuki S, et al. **Nippon Rinsho** 1982;40(3):543–7 **(Jpn)**

PATHOLOGY

Patterns of edema in tumors vs. infarcts: visualization of white matter pathways. Monajati A, et al. **AJNR** 1982 May-Jun; 3(3):251–5

Hereditary deafness with hydrops and anomalous calcium phosphate deposits. Johnsson LG, et al. **Am J Otolaryngol** 1981 Nov;2(4):284–98

Cochlear hydrops in association with collapsed saccule an ductus reuniens. Kitamura K, et al. **Ann Otol Rhinol Laryngol** 1982 Jan-Feb;91(1 Pt 1):5–13

PEEPO: papular eruption with elimination of papillary oedema. Jones RR. **Br J Dermatol** 1982 Apr;106(4):393–9

A simple technique to measure paw volume in anti-inflammatory studies. Ignatius JX, et al. **Indian J Physiol Pharmacol** 1981 Oct-Dec;25(4):361–4

Massive edema of the ovary: two case reports. Lotgering FK, et al. **Int J Gynaecol Obstet** 1981 Jun;19(3):225–30

Quantitation of experimental postsurgical edema. Bertolami CN, et al. **J Oral Maxillofac Surg** 1982 Aug;40(8):473–6

Clinical-pathological conference. Progressive generalized edema in an 8-year-old boy with agammaglobulinemia. Junker AK, et al. **J Pediatr** 1982 Jul;101(1):147–53

Superior vena cava syndrome in a 56-year-old man. Lanteri V, et al. **J Urol** 1981 Nov;126(5):665–9

Massive edema of the ovary. Slotky B, et al. **Obstet Gynecol** 1982 Jun;59(6 Suppl):92S–4S

Massive edema of the ovary and virilization. Vasquez SB, et al. **Obstet Gynecol** 1982 Jun;59(6 Suppl):95S–9S

Rat cornea in experimental protein deficiency. Ratnakar KS, et al. **Ophthalmologica** 1982;185(1):46–50

Pathology and pathogenesis of cystoid macular edema. Tso MO. **Ophthalmologica** 1981;183(1):46–54

Test and teach. Number thirty-one. Diagnosis: Massive oedema of the ovary. Russell P, et al. **Pathology** 1982 Jan; 14(1):2–3, 97

Pathological study of cystoid macular oedema. Tso MO. **Trans Ophthalmol Soc UK** 1980 Sep;100(3):408–13

[Massive edema of the ovary. A clinicopathologic study of one case and review of the literature (author's transl)] Le Tourneau A, et al. **Sem Hop Paris** 1981 Sep 8–15; 57(29–32):1321–4 (Eng. Abstr.) **(Fre)**

[Physical alterations in cadaver legs depending upon experimentally produced conditions of swelling] Helmke U, et al. **Z Exp Chir** 1981;14(4):206–9 (Eng. Abstr.) **(Ger)**

[Fournier's fulminating gangrene] Koliadenko VG, et al. **Vestn Dermatol Venerol** 1981 Sep;(9):69–70 (Eng. Abstr.) **(Rus)**

[Hemorrhagic edema of the lower extremities] Sukolin GI. **Vestn Dermatol Venerol** 1981 Jul;(7):39–41 (Eng. Abstr.) **(Rus)**

PHYSIOPATHOLOGY

Albumin treatment following major surgery. I. Effects on plasma oncotic pressure, renal function and peripheral oedema. Zetterström H, et al. **Acta Anaesthesiol Scand** 1981 Apr;25(2):125–32

Carrageenan-induced oedema in the rat paw – histamine participation. Stochla K, et al. **Agents Actions** 1982 Apr; 12(1–2):201–2

Blood vessel reactivity on noradrenaline, vasopressin, and prostaglandin F2 alpha, resp., in the isolated perfused hind legs of rats with edemas or adjuvant arthritis. Bekemeier H, et al. **Agents Actions [Suppl]** 1982;10:135–46

Resistance of quaking mouse CNS to triethyl tin edema. Nagara H, et al. **Brain Res** 1981 Sep 28;221(2):441–5

Corneal edema in phakic and aphakic eyes. Chaston J, et al. **Curr Eye Res** 1981;1(2):119–21

Altered dopaminergic modulation of 18-hydroxycorticosterone secretion in idiopathic edema: therapeutic effects of bromocriptine. Sowers JR, et al. **J Clin Endocrinol Metab** 1982 Oct;55(4):749–59

Significance of stepwise excretion pattern in renogram: indicator of the edema in patients with chronic thyroiditis and idiopathic edema. Tamaki N, et al. **Kaku Igaku** 1981 Apr;18(3):323–7

Acute mountain sickness and the edemas of high altitude: a common pathogenesis? Hackett PH, et al. **Respir Physiol** 1981 Dec;46(3):383–90

[Transport of edematous fluid in the lymphatic system and movement of lymphatic vessels] Hirota A, et al. **Nippon Rinsho** 1982;40(3):536–42 **(Jpn)**

PREVENTION & CONTROL

Pedal edema in the cancer patient. Maxwell MB. **Am J Nurs** 1982 Aug;82(8):1225–8

Fenestration of hard contact lenses--newer techniques. Garland MA. **Contact Intraocular Lens Med J** 1981 Jul–Sep;7(3):246–9

Effects of catalase, peroxidase, superoxide dismutase and 10 scavengers of oxygen radicals in carrageenin edema and in adjuvant arthritis of rats. Hirschelmann R, et al. **Experientia** 1981 Dec 15;37(12):1313–4

Incidence of aphakic cystoid macular edema with the use of topical indomethacin. Yannuzzi LA, et al. **Ophthalmology (Rochester)** 1981 Sep;88(9):947–54

[Prevention of cystoid macula edema using indomethacin eyedrops] Fechner PU. **Klin Monatsbl Augenheilkd** 1982 Feb;180(2):169–72 **(Ger)**

RADIOGRAPHY

Retropharyngeal edema, airway obstruction, and caval thrombosis. Hayden CK Jr, et al. **AJR** 1982 Apr; 138(4):757–8

Spinal cord swelling in multiple sclerosis. Feasby TE, et al. **Can J Neurol Sci** 1981 May;8(2):151–3

Computed tomography in the investigation of leg edema following arterial reconstructions. Stranden E, et al. **Eur J Radiol** 1982 May;2(2):113–6

Two methods for isolating the lung area of a CT scan for density information. Hedlund LW, et al. **Radiology** 1982 Jul;144(2):353–7

[Edematous ileocecal valve inflammation] Baumel H, et al. **Med Chir Dig** 1981;10(5):441–2 **(Fre)**

[Lymphophlebography in the diagnosis of the postmastectomy syndrome] Rabkin IKh, et al. **Vestn Rentgenol Radiol** 1981 Nov-Dec;(6):68–72 (Eng. Abstr.) **(Rus)**

[Lymphographic changes at some reconstructive procedures on vessels of the lower extremities (author's transl)] Kutarňa A, et al. **Bratisl Lek Listy** 1981 Oct;76(4):496–507 (Eng. Abstr.) **(Slo)**

RADIONUCLIDE IMAGING

Ocular subconjunctival lymphoscintigraphy in unilateral chemosis. Taillefer R, et al. **Clin Nucl Med** 1982 Jun; 7(6):277–9

SURGERY

The fine points of valve implant surgery for hydrops: an update. Arenberg IK. **Am J Otol** 1982 Apr;3(4):359–74

Our experience in the treatment of the Irvine–Gass syndrome. Arciniegas CA, et al. **Ophthalmologica** 1982;184(1):21–5

Photocoagulation of optic disc pits. Kottow M. **Ophthalmologica** 1982;184(1):26–9

Iliopsoas bursitis--a surgically correctable cause of lower limb oedema. Grindulis KA, et al. **Practitioner** 1982 Jul; 226(1369):1336–7

Recurrent massive edema of the ovary. Elkins TE, et al. **South Med J** 1982 Apr;75(4):478–80

Kawasaki disease associated with hydrops of the gallbladder. A case presentation and review of the literature. Westfall CT, et al. **Z Kinderchir** 1981 Apr;32(4):379–83

THERAPY

External pneumatic intermittent compression for treatment of dependent pregnancy edema. Jacobs MK, et al. **Nurs Res** 1982 May-Jun;31(3):159–62, 191

Reduction of edema [letter] **Phys Ther** 1982 Mar;62(3):349–50

[Defined electrolyte nutrition in hypertension and edematous states] Weber R. **Med Monatsschr Pharm** 1982 Jan; 5(1):18–22 **(Ger)**

[Therapy of edemas of the extremities] Hohlbaum GG. **Z Lymphol** 1981 Jul;5(1):30–3 **(Ger)**

[Swelling of the hand] Lanz U. **Z Lymphol** 1981 Dec; 5(2):65–7 **(Ger)**

[Compression dressings for the legs] Schmitz R. **Z Lymphol** 1981 Dec;5(2):112–7 (Eng. Abstr.) **(Ger)**

[Medical and dietetic management of congenital and inherited nephropathies (author's transl)] Canonaco F, et al. **Pediatr Med Chir** 1981 Jan–Feb;3(1):49–54 (Eng. Abstr.) **(Ita)**

[Crush syndrome with high-grade fluid retention in the tissues] Suchan L, et al. **Pol Tyg Lek** 1981 May 18; 36(20):725–6 **(Pol)**

URINE

Renal excretion of vanillylmandelic acid and homovanillic acid in rats with paw edema or adjuvant arthritis. Krause E, et al. **Agents Actions [Suppl]** 1982;10:185–94

VETERINARY

Chronic udder edema in dairy cows. Sanders DE, et al. **J Am Vet Med Assoc** 1981 Jun 15;178(12):1273–4

Excessive oedema of the genital tract in the mare. Henry M, et al. **Zentralbl Veterinarmed [A]** 1981;28(5):390–409

EDEMA, CARDIAC see under **HEART FAILURE, CONGESTIVE**

EDEMA DISEASE OF SWINE

DIET THERAPY

Dietary manipulation of gastric pH in the prophylaxis of enteric disease in weaned pigs: some field observations. Thomlinson JR, et al. **Vet Rec** 1981 Aug 8;109(6):120–2

EDENTATA

Nine-banded armadillos in captivity: prevention of losses due to parasitic diseases. Some remarks on mycobacteria-free maintenance. Kazda JM. **Int J Lepr** 1981 Sep;49(3):345–6

Mange in newly-imported armadillos (Dasypus novemcinctus). Baskerville A, et al. **Lab Anim** 1981 Oct; 15(4):307–7

[Pathomorphologic changes in the internal organs of intact and Mycobacterium leprae-infected 9-banded armadillos] Vishnevetskii FE, et al. **Biull Eksp Biol Med** 1981 Aug; 92(8):105–9 (Eng. Abstr.) **(Rus)**

[9-Banded armadillo as a tool in biomedical research] Dushkin VA, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1982 May;(5):24–6 (38 ref.) **(Rus)**

ANATOMY & HISTOLOGY

The fine structure of the placental labyrinth in the sloth, Bradypus tridactylus. King BF, et al. **Anat Rec** 1982 Jan; 202(1):15–22

Light microscopic and ultrastructural features of the Harderian gland of the nine-banded armadillo. Weaker FJ. **J Anat** 1981 Aug;133(Pt 1):49–65

BLOOD

Day – night rhythm in plasma melatonin in a mammal lacking a distinct pineal gland, the nine-banded armadillo. Harlow HJ, et al. **Gen Comp Endocrinol** 1981 Oct;45(2):212–8

[Hemoglobins XLVI: the primary structure of the alpha-chain of armadillo (Dasypus novemcinctus, Edentata) hemoglobin (author's transl)] Kleinschmidt T, et al. **Hoppe Seylers Z Physiol Chem** 1982 Mar; 363(3):239–45 (Eng. Abstr.) **(Ger)**

IMMUNOLOGY

Intraspecies differences of resistance against leprosy in nine-banded armadillos. Kirchheimer WF, et al. **Lepr India** 1981 Oct;53(4):525–30

METABOLISM

Relaxin-like antigenicity in the armadillo prostate gland. Cameron DF, et al. **Ann NY Acad Sci** 1982;380:231–40

Autoradiographic demonstration of estrogen uptake by the armadillo pituitary gland. Herbert DC, et al. **Experientia** 1981;37(9):1035–6

Identification of target cells for estrogen in the pars distalis of the armadillo by immunocytochemistry. Herbert DC, et al. **Gen Comp Endocrinol** 1982 May;47(1):99–103

[Metabolic rate and energy balance of the armadillo Dasypus sabanicola (Mammalia-Edentata) in captivity] Fergusson-Laguna A. **Acta Cient Venez** 1981;32(1):100–4 (Eng. Abstr.) **(Spa)**

MICROBIOLOGY

Uptake of 3,4-dihydroxy[3H]phenylalanine by Mycobacterium leprae isolated from frozen (-80 degrees C) armadillo tissue. Khanolkar SR, et al. **J Gen Microbiol** 1981 Dec;127 (Pt 2):385–9

Leprosy--a zoonosis. Walsh GP, et al. **Lepr Rev** 1981 Dec; 52 Suppl 1:77–83

[Maintenance of armadillos in captivity and results of the inoculation of Mycobacterium leprae] Opromolla DV, et al. **Hansenol Int** 1980 Jun;5(1):28–36 (Eng. Abstr.) **(Por)**

PARASITOLOGY

The tree-buttress biotope: a pathobiocenose of Leishmania braziliensis. Christensen HA, et al. **Am J Trop Med Hyg** 1982 Mar;31(2):243–51

Hosts of sandfly vectors of Leishmania braziliensis guyanensis in the central Amazon of Brazil. Christensen HA, et al. **Am J Trop Med Hyg** 1982 Mar;31(2):239–42

Dipetalonema (Dasypafilaria) averyi subgen. et sp. n. (Nematoda: Filarioidea) from the nine-banded armadillo, Dasypus novemcinctus in Louisiana. Eberhard ML. **J Parasitol** 1982 Apr;68(2):325–8

Dermal leishmaniasis in French Guiana: the sloth (Choloepus didactylus) as a reservoir host [letter] Gentile B, et al. **Trans R Soc Trop Med Hyg** 1981;75(4):612–3

The importance of edentates (sloths and anteaters) as primary reservoirs of Leishmania braziliensis guyanensis, causative agent of 'pianbois' in north Brazil [letter] Lainson R, et al. **Trans R Soc Trop Med Hyg** 1981;75(4):611–2

PHYSIOLOGY

Respiratory heart rate relationships (RHRR) in the armadillo during partial A-V block. Hoff HE, et al. **Cardiovasc Res Cent Bull** 1980 Jan–Mar;18(3):61–82

Localization of 3H-estradiol in the uterus of pregnant and non-pregnant armadillos. Weaker FJ, et al. **Cell Tissue Res** 1981;220(4):773–80

[Mechanical characteristics of the myocardium of the sloth (Bradypus tridactylus)] Cingolani HE, et al. **Acta Physiol Lat Am** 1979;29(4–5):271–4 **(Spa)**

EDETATES see **EDTA**

EDROPHONIUM CHLORIDE

ANALOGS & DERIVATIVES

Effects of edrophonium bromide on neuromuscular transmission in a healthy human subject. Le Quesne PM, et al. **Neurotoxicology (Park Forest II)** 1981 Dec;2(4):675–85

BLOOD

Pharmacokinetics of edrophonium in anephric and renal transplant patients. Morris RB, et al. **Br J Anaesth** 1981 Dec;53(12):1311–4

DIAGNOSTIC USE

[A positive Tensilon test in hyperthyroidism? (author's transl)] Kresse L. **Fortschr Neurol Psychiatr** 1982 Jan; 50(1):30–1 (Eng. Abstr.) **(Ger)**

METABOLISM

The isolation of endogenous modulators of the affinity of acetylcholinesterase to cholinergic ligands. Hollunger EG, et al. **Acta Physiol Scand** 1981 Mar;111(3):335–41

PHARMACODYNAMICS

Some actions of Org NC 45 and of edrophonium in the anaesthetized cat and in man. Baird WL, et al. **Br J Anaesth** 1982 Apr;54(4):375–85

EDTA

Mucous glycoproteins from cat tracheal goblet cells and mucous glands separated with EDTA. Sherman JM, et al. **Am Rev Respir Dis** 1981 Oct;124(4):476–9

EDTA-mediated separation of cat tracheal lining epithelium. Tandler B, et al. **Am Rev Respir Dis** 1981 Oct;124(4):469–75

A requirement for EDTA in the separation of Photosystems 1 and 2 from the cyanobacterium Chlorogloea fritschii. Evans EH, et al. **Biochem J** 1981 May 15;196(2):489–93

Mechanism of light-induced reduction of biological redox centers by amino acids. A flash photolysis study of flavin photoreduction by ethylenediaminetetraacetate and nitrilotriacetate. Traber R, et al. **Biochemistry** 1982 Mar 30;21(7):1687–93

The use of duplicates to study the effect of EDTA on the storage stability of creatine kinase. Bunting PS, et al. **Clin Chim Acta** 1981 Aug 10;114(2–3):291–5

Effect of EDTA on the solid phase Clq immune complex assay. Davey MP, et al. **Int Arch Allergy Appl Immunol** 1982 Mar;67(3):275–7

EDTA inhibits in vitro increases in the GABA content of human CSF. Löscher W, et al. **J Neurochem** 1982 Jul; 39(1):251–4

Influence of 1,8-dihydroxyanthraquinone and loperamide on the paracellular permeability across colonic mucosa. Verhaeren EH, et al. **J Pharm Pharmacol** 1981 Aug; 33(8):526–8

Temperature-dependent effect of edetate disodium on neomycin stability. Hodges NA, et al. **J Pharm Sci** 1981 Aug;70(8):960–1

A chemical test to determine the end point of EDTA decalcification. Seilly DJ. **Med Lab Sci** 1982 Jan;39(1):71–3

ADMINISTRATION & DOSAGE

Change in serum bicarbonate during acute EDTA infusions in post-transplant hyperparathyroidism. Muther RS, et al. **Nephron** 1982;30(1):36–8

Alternating treatment of common bile duct stones with a

modified glyceryl-1-monooctanoate preparation and a bile acid-EDTA solution by nasobiliary tube. Leuschner U, et al. **Scand J Gastroenterol** 1981;16(4):497-503

ADVERSE EFFECTS

A unique case of grand mal seizures after fluress. Cohn HC, et al. **Ann Ophthalmol** 1981 Dec;13(12):1379-80

Multiple angiitis of mesenterial arteries in guinea pigs induced by intraperitoneal administration high doses of Na2EDTA. I. Light microscopic study. Yamaguchi H, et al. **Exp Pathol** 1981;20(1):26-30

Multiple angiitis of mesenterial arteries in guinea pigs induced by intraperitoneal administration of high doses of Na2 EDTA. II. Electron microscopic study. Yamaguchi H, et al. **Exp Pathol** 1981;20(1):31-40

[Allergy to ed-edta and formaldehyde (author's transl)] Pevny I, et al. **Derm Beruf Umwelt** 1981;29(6):151-6 (Eng. Abstr.) **(Ger)**

ANALOGS & DERIVATIVES

Tumor visualization by 99mTc-labeled ethylenediamine-N,N-diacetic acid. Karube Y, et al. **Chem Pharm Bull (Tokyo)** 1981 Aug;29(8):2385-7

Technetium-99 m complexes of EDTA analogs: studies of the radiochemistry and biodistribution. Baker RJ, et al. **Int J Nucl Med Biol** 1981;8(2-3):159-69

Clinical studies with In-111 BLEDTA, a tumor-imaging conjugate of bleomycin with a bifunctional chelating agent. Goodwin DA, et al. **J Nucl Med** 1981 Sep;22(9):787-92

The effect of EDTAC and the variation of its working time analyzed with scanning electron microscopy. Goldberg F, et al. **Oral Surg** 1982 Jan;53(1):74-7

BLOOD

[Effect of dextrans, amino acids, lipids, bilirubin, hemoglobin, penicillin, heparin and EDTA on the determination of total protein by biuret reaction] Pöge AW, et al. **Z Med Lab Diagn** 1982 Jan;23(1):43-8 (Eng. Abstr.) **(Ger)**

CHEMICAL SYNTHESIS

Synthesis and use of radio cobaltic EDTA as an extracellular marker in rabbit heart. Bridge JH, et al. **Am J Physiol** 1982 Apr;242(4):H671-6

DIAGNOSTIC USE

Studies on kidney function in subjects exposed to organic solvents. IV. Effect on 51-Cr-EDTA clearance. Askergren A, et al. **Acta Med Scand** 1981;210(5):373-6

Diagnostic significance of edetate disodium calcium testing in children with increased lead absorption. Saenger P, et al. **Am J Dis Child** 1982 Apr;136(4):312-5

Clinical limitations of the estimation of glomerular filtration rate from height/plasma creatinine ratio: a comparison with simultaneous 51Cr edetic acid slope clearance. Davies JG, et al. **Arch Dis Child** 1982 Aug;57(8):607-10

Studies of the large intestine of sheep. 2. Kinetics of liquid and solid phase markers in the caecum and proximal colon. Dixon RM, et al. **Br J Nutr** 1982 Mar;47(2):301-9

51Cr-EDTA clearance determined by one plasma sample. Groth S, et al. **Clin Physiol** 1981 Aug;1(4):417-25

Portable cadmium telluride detectors and their applicability for external measurement of 51Cr-EDTA clearance. Bojsen J, et al. **Int J Appl Radiat Isot** 1981 Oct; 32(10):719-27

Positron emission tomography with 68Ga-EDTA in the diagnosis and localization of csf fistulas. Bergstrand G, et al. **J Comput Assist Tomogr** 1982 Apr;6(2):320-4

Radioactive chromium-ethylenediaminetetraacetic acid for determination of glomerular filtration rate in rabbits. Tvedegaard E, et al. **Lab Anim Sci** 1981 Dec;31(6):688-92

Reference values for 51Cr-EDTA clearance as a measure of glomerular filtration rate. Granerus G, et al. **Scand J Clin Lab Invest** 1981 Oct;41(6):611-6

METABOLISM

The effect of fluid deprivation, antidiuretic hormone and forced fluid intake on 51-Cr-EDTA clearance. Askergren A, et al. **Acta Med Scand** 1981;210(5):377-80

Iron-ethylenediaminetetraacetic acid (EDTA)-catalyzed superoxide dismutation revisited: an explanation of why the dismutase activity of Fe-EDTA cannot be detected in the cytochrome c/Xanthine oxidase assay system. Bull C, et al. **Arch Biochem Biophys** 1982 May;215(2):551-5

The catabolism of phosphatidylinisitol by an EDTA-insensitive phospholipase A1 and calcium-dependent phosphatidylinositol phosphodiesterase in rat brain. Hirasawa K, et al. **Eur J Biochem** 1981 Nov; 120(1):53-8

EDTA-binding and acylation of the Ca2+-sensitive photoprotein aequorin. Shimomura O, et al. **FEBS Lett** 1982 Feb 22;138(2):201-4

Binding of the chromium-ethylenediaminetetraacetic acid complex (CrEDTA) to human albumin. Fogh-Andersen N. **Scand J Clin Lab Invest** 1980;40(8):805-8

Human fibrinogen binds EDTA and citrate. Nieuwenhuizen W, et al. **Thromb Res** 1981 Jun 1-25;22(5-6):659-63

PHARMACODYNAMICS

Inhibitory effects of combinations of oxytetracycline, dimethyl sulfoxide, and EDTA-tromethamine on Escherichia coli. Wooley RE, et al. **Am J Vet Res** 1981 Nov;42(11):2010-3

Antibacterial action of combinations of oxytetracycline, dimethyl sulfoxide, and EDTA-tromethamine on Proteus, Salmonella, and Aeromonas. Wooley RE, et al. **Am J Vet Res** 1982 Jan;43(1):130-3

Resealing to small solutes of white erythrocyte membranes after incubation with EDTA, Ca2+, salt, sucrose, phospholipase C. Moore RB, et al. **Arch Biochem Biophys** 1981 Oct 1;211(1):179-91

Influence of chronic MnCl2 and EDTA treatment on tissue levels and urinary excretion of trace metals in rats. Scheuhammer AM, et al. **Arch Environ Contam Toxicol** 1982;11(4):515-20

Zinc-induced self-assembly of goat brain tubulin: some novel aspects. Banerjee A, et al. **Biochem Biophys Res Commun** 1982 Apr 29;105(4):1503-10

The stimulation of glutamine hydrolysis in isolated rat liver mitochondria by Mg2+ depletion and hypo-osmotic incubation conditions. Joseph SK, et al. **Biochem J** 1981 Jan 15;194(1):35-41

Iron-EDTA stimulated reduction of indicine N-oxide by the hepatic microsomal fraction, isolated hepatocytes, and the intact rat. Powis G, et al. **Biochem Pharmacol** 1982 Feb 1;31(3):293-9

Pseudothrombocytopenia: an immunologic study on platelet antibodies dependent on ethylene diamine tetra-acetate. Pegels JG, et al. **Blood** 1982 Jan;59(1):157-61

Influence of complexans (NTA, EDTA) on the toxicity of aluminum chloride and sulfate to fish at high concentrations. Muramoto S. **Bull Environ Contam Toxicol** 1981 Aug;27(2):221-5

Capacity use-dilution test: a means of testing the effect of ethylene diamine tetraacetic acid on the bactericidal efficiency of phenol disinfectants. Giblin S, et al. **Can J Public Health** 1981 Sep-Oct;72(5):343-7

Comparison of direct harvest and cultures for karyotyping EDTA anticoagulated marrow. Houston EW, et al. **Cancer Genet Cytogenet** 1981 Aug;4(1):61-7

Ethylenediaminetetraacetic acid insoluble protein of adult human enamel. Belcourt AB, et al. **Caries Res** 1982; 16(1):72-6

Reversible changes in nuclear and cell surface topography in cells exposed to collagenase and EDTA. Moskalewski S, et al. **Cell Tissue Res** 1981;220(1):51-60

The protection of creatine kinase MM sub-bands by EDTA during storage. Chapelle JP, et al. **Clin Chim Acta** 1981 Sep;115(3):255-62

Activity of creatine kinase in sera from healthy women, carriers of Duchenne muscular dystrophy and cord blood, determined by the 'European' recommended method with NAC-EDTA activation. Moss DW, et al. **Clin Chim Acta** 1981 Oct 26;116(2):209-16

Do conventional plasma cyclic nucleotide phosphodiesterase inhibitors really work in all situations? Wood PJ, et al. **Clin Chim Acta** 1981 Sep;115(3):405-8

Immunofluorescence and histochemistry of corneal epithelial flat mounts: use of EDTA. Gillette TE, et al. **Curr Eye Res** 1981;1(4):249-53

Lytic effects of EDTA & lysozyme on virulent & avirulent strains of Agrobacterium tumefaciens. Basu M, et al. **Indian J Biochem Biophys** 1982 Feb;19(1):59-61

Ethylenediamine tetraacetic acid and histamine release from rat mast cells. West GB. **Int Arch Allergy Appl Immunol** 1982;68(4):399-401

Increased outer membrane resistance to ethylenediaminetetraacetate and cations in novel lipid A mutants. Vaara M. **J Bacteriol** 1981 Nov;148(2):426-34

Enhancement of coagglutination reactions of the Phadebact gonococcus test by ethylenediaminetetraacetate and ethylene glycol-bis(beta-aminoethyl ether)-N,N-tetraacetate. Izakson I, et al. **J Clin Microbiol** 1981 Sep;14(3):261-5

Demonstration that nonspecific bovine Brucella abortus agglutinin is EDTA-labile and not calcium-dependent. Nielsen K, et al. **J Immunol** 1982 Jul;129(1):366-9

EDTA enhancement of strontium uptake by intact human enamel. Friedman M, et al. **J Oral Rehabil** 1982 Jul; 9(4):327-33

Immunological labeling of oral bacteria after demineralization. An ultrastructural study. Lai C, et al. **J Periodont Res** 1981 May;16(3):266-74

Alterations in integrity of goldfish membrane induced by edetate disodium. Cascella PJ, et al. **J Pharm Sci** 1981 Oct; 70(10):1128-31

Differential effects of ascorbate and EDTA on high-affinity binding of 3H-apomorphine and 3H-ADTN to calf caudate membranes. Arana GW, et al. **Neuropharmacology** 1982 Jun;21(6):601-4

The demineralizing efficiency of EDTA solutions on dentin. I. Influence of pH. Cury JA, et al. **Oral Surg** 1981 Oct; 52(4):446-8

Enhanced sensitivity to the lethal and mutagenic effects of photosensitizing action of chlorpromazine in ethylenediaminetetraacetate-treated Escherichia coli. Yonei S, et al. **Photochem Photobiol** 1982 Apr;35(4):591-2

Decreased transference of 153Gd into the oocytes of Japanese quail given ethylenediaminetetraacetate. Robinson GA. **Poult Sci** 1982 Feb;61(2):375-8

In vitro effect of mercury on tissue phosphatases of Notopterus notopterus and the role of EDTA and AA in their restoration. Verma SR, et al. **Toxicol Lett** 1982 Jan; 10(1):25-9

The role of carboxylic acids in EDTA-dependent panagglutination. Howe SE, et al. **Transfusion** 1982 Mar-Apr;22(2):111-4

[EDTA sensitivity of Pseudomonas aeruginosa cells (strain ATCC/27853) surviving previous treatment with EDTA] Bucci M, et al. **Ann Sclavo** 1980 Nov-Dec;22(6):947-56 (44 ref.) (Eng. Abstr.) **(Ita)**

[A fundamental study on the dissolution and disintegration of calcium bilirubinate stone (author's transl)] Takasawa Y, et al. **Nippon Shokakibyo Gakkai Zasshi** 1982 Mar; 79(3):836-44 (Eng. Abstr.) **(Jpn)**

[Calcium desorption from the cornea while using complex-forming substances] Velikova TV, et al. **Biull Eksp Biol Med** 1981 Sep;92(9):299-301 (Eng. Abstr.) **(Rus)**

[Electron microscopic study of the chromatin in hepatocyte nuclei in the 1st hours after a partial hepatectomy. IV. Increased sensitivity of active chromatin to EDTA exposure] Manteifel' VM, et al. **Tsitologiia** 1981 Oct; 23(10):1099-103 (Eng. Abstr.) **(Rus)**

THERAPEUTIC USE

Cyanide poisoning [letter] Aw TC, et al. **J Soc Occup Med** 1981 Oct;31(4):173

[Dissolution of residual hepatic duct stones with composite bile salt solution: A preliminary experimental study and report of 16 cases (author's transl)] **Chung Hua Wai Ko Tsa Chih** 1980 Apr;18(2):142-5 **(Chi)**

[Current levels of cadmium in living organisms: physiopathological, clinical and therapeutic considerations] Mancinella A. **Clin Ter** 1981 Sep 15;98(5):545-60 (95 ref.) (Eng. Abstr.) **(Ita)**

TOXICITY

Teratogenesis studies with EDTA and its salts in rats. Schardein JL, et al. **Toxicol Appl Pharmacol** 1981 Dec; 61(3):423-8

EDUCATION

see related
LEARNING
RESEARCH SUPPORT
TRAINING SUPPORT

A comparative study of the reading lessons of deaf and hearing primary school children. Howarth SP, et al. **Br J Educ Psychol** 1981 Jun;51(Pt 2):156-62

ABC of 1 to 7. School failure. Tyson M, et al. **Br Med J [Clin Res]** 1981 Oct 24;283(6299):1102-3

Center for the Study of Ethics in the Professions. Frankel MS. **Conn Med** 1981 Dec;45(12):777-8

Information, education and related activities. Pedersen JB. **Dan Med Bull** 1982 Mar;29(3):109-13

Transition from education to working life: pointers from the European Communities' Action Programme. Maitland-Edwards J, et al. **J Adolesc** 1981 Mar;4(1):27-45

Female gender as a variable in the educational process: a review. Fishbein EG. **JNE** 1982 May;21(5):43-8

A method to help new fathers develop parenting skills. Giefer MA, et al. **JOGN Nurs** 1981 Nov-Dec;10(6):455-7

MSMS public service committee emphasizes education. Burton RD. **Mich Med** 1981 Oct;80(29):516-8

Education, income, and risk factors for disease [letter] Jenks PC. **N Engl J Med** 1982 Sep 9;307(11):689-90

Public law 94-142: comments on the pediatricians' contribution from an educator. Meyen EL. **Pediatrics** 1982 Sep;70(3):491-3

Population education in the schools. Sherris JD, et al. **Popul Rep [M]** 1982 Mar-Apr;(6):M201-43

[Hygienic and physiological evaluation of the instruction during a 5-day school week] Semova N, et al. **Probl Khig** 1981;6:143-51 (Eng. Abstr.) **(Bul)**

[On the share of education in psychotherapy (author's transl)] Bouchal M. **Cesk Psychiatr** 1981;77(4):257-60 (Eng. Abstr.) **(Cze)**

[Hospital care and school attendance. Experimental school attendance outside the hospital for children in a psychiatric department (author's transl)] Parquet PJ, et al. **Sem Hop Paris** 1981 Nov 18-25;57(43-44):1793-8 (Eng. Abstr.) **(Fre)**

[Who was Minister for Cultural Affairs during the time of Socrates?] Pfohl G. **Med Welt** 1982 Mar 5;33(9):337-8 **(Ger)**

[Liaison and freedom - elements of educational support (author's transl)] Eckmayr KA. **Wien Klin Wochenschr [Suppl]** 1981;93(128 Suppl):7-9 **(Ger)**

[Old and new trends in the use of the constructive psychotechnic of the artificial horizon and their repercussions on the mental health of student pilots] Sparvieri F. **Riv Med Aeronaut Spaz** 1980 Jul-Dec; 43(3-4):281-9 (Eng. Abstr.) **(Ita)**

[Frequency of changes occurring in the health status of subjects with primary education restricting their career choice] Kolacińska B, et al. **Przegl Lek** 1981;38(12):865-8 (Eng. Abstr.) **(Pol)**

[Hygienic characteristics of the instruction of 6-year-old children in a kindergarten with various programs] Barsukova NK. **Gig Sanit** 1982 Mar;(3):31-5 (Eng. Abstr.) **(Rus)**

[Self-training in the daily routine of students in the lower grades in a full-day school] Molchanova NM, et al. **Gig Sanit** 1981 Nov;(11):76-7 **(Rus)**

HISTORY

[Effect of child rearing and school and home education on the psychophysical development of Polish gentry youth in the 18th century] Supady J. **Wiad Lek** 1981 May 1; 34(9):789-98 **(Pol)**

STANDARDS

ASCP/CAP Distinguished Service Award address. For excellence there is no time to waste. Bostick WL. **Am J Clin Pathol** 1982 May;77(5):515-6

Three perspectives on the 1981 White House Conference on Aging. Education. Johnson HR. **Gerontologist** 1982 Apr; 22(2):125-6

The education of the biomaterialist: report of a survey, 1980-81. Black J. **J Biomed Mater Res** 1982 Mar; 16(2):159-67

Methods of grading [letter] Snyder RD. **J Med Educ** 1982 Feb;57(2):138

Measuring effects of a liberal education. Clayton ER, et al. **Nurs Outlook** 1981 Oct;29(10):582-5

TRENDS

Dilemmas in education. Judge H. **J Child Psychol Psychiatry** 1981 Apr;22(2):111-6

Education, science, and national economic competitiveness. Opel JR. **Science** 1982 Sep 17;217(4565):1116-7

Educational attainment by state. **Stat Bull Metropol Life Insur Co** 1981 Jan-Mar;62(1):8-10

EDUCATION, CONTINUING

The A.C.T.A. continuing education program. Figoni S. **Am Correct Ther J** 1981 Nov-Dec;35(6):159-62

Design and administration of a continuing education policy. Cabonor RP, et al. **Am J Med Technol** 1981 Sep; 47(9):715-22

CEUs are confining [letter] Favilla DK. **Am J Occup Ther** 1981 Aug;35(8):533

The delivery of continuing education: teleconferencing, an alternative mode. Berk RA. **Bull Med Libr Assoc** 1982 Jan; 70(1):21-7

Continuing education for psychiatrists: report on Canadian Psychiatric Association questionnaire. Thompson MG, et al. **Can J Psychiatry** 1981 Aug;26(5):316-22

Continuing ed: program planning. Conlin E. **Dimens Health Serv** 1982 Jul;59(7):36-7

Continuing ed: program development. Kamenir S. **Dimens Health Serv** 1982 Jul;59(7):38-9

Continuing education for the professional staff at the University of Maryland Health Center. Yamazaki Spear S. **J Am Coll Health Assoc** 1981 Oct;30(2):91-3

Hospital dietitians in mid-career. II. Continuing education experiences and plans. Fargen D, et al. **J Am Diet Assoc** 1982 Jul;81(1):47-53

Continuing professional learning: involvement and opinions of dietitians. Holli BB. **J Am Diet Assoc** 1982 Jul;81(1):53-7

Andrew Taylor Still Memorial Lecture: a learning plan for the osteopathic physician. Perrin WE. **JAOA** 1982 Jan; 81(5):341-3

Perinatal nursing education in Tennessee: a regional approach. Haire MF, et al. **JOGN Nurs** 1981 Nov-Dec; 10(6):451-4

Ambition and accounts: a study of working-class women in adult education. McLaren AT. **Psychiatry** 1982 Aug; 45(3):235-46

[The evaluation of courses in boarding schools for the preparation of older employees for retirement. An evaluation study] van der Zee B. **Gerontologie** 1981 Aug; 12(3):158-63 (Eng. Abstr.) **(Dut)**

[Continued education of personnel in geriatric care - an empirical report] Hundsalz A, et al. **Z Gerontol** 1981 Nov-Dec;14(6):517-25 (Eng. Abstr.) **(Ger)**

HISTORY

The continuing nursing education and adult education movements in the United States. Schor I. **Nurs Forum** 1981; 20(1):87-101

[50th anniversary of the Department of Epidemiology of the Central Institute of Physician Advanced Training] Kovaleva EP, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1981 Jun;(6):113-7 **(Rus)**

STANDARDS

Reducing costs: supervisor training can help. Clemmer J. **Dimens Health Serv** 1982 Mar;59(3):30-2

An evaluation of a workshop for teachers of nursing by comparing the members' expectations with their opinions of the outcome. Sheahan J. **J Adv Nurs** 1981 Nov; 6(6):483-9

An evaluation of an EDY course in behaviour modification techniques for teachers and care staff in an ESN(S) school. Farrell PT. **Spec Educ Forward Trends** 1982 Jun;9(2):21-5

EDUCATION, DENTAL

The Seward Report. Report of the Inter-Faculty Working Party formed to consider the implementation of the Wylie Report. **Br Dent J** 1981 Dec 1;151(11):389-91

The Wylie Report. Report of the Working Party on Training in Dental Anaesthesia. **Br Dent J** 1981 Dec 1;151(11):385-8

Nuffield and the basic sciences. Brown WA. **Br Dent J** 1981 Nov 17;151(10):347-8

Curriculum unfair to dental students? [letter] Cutler R. **Br Dent J** 1982 Feb 2;152(3):74

Practice administration in the dental curriculum. Neuman H. **Dent Clin North Am** 1981 Oct;25(4):763-8

Esthetics in dentistry. Goldstein RE. **J Am Dent Assoc** 1982 Mar;104(3):301-2

Dental education, 1980-1981, Council on Dental Education. Graham JW. **J Am Dent Assoc** 1981 Jun;102(6):832-5

Dental education: 1981-1982. Council on Dental Education. Graham JW. **J Am Dent Assoc** 1982 Jun;104(6):882-5

Curricular guidelines in human genetics. **J Dent Educ** 1982 Mar;46(3):184-7

Curricular guidelines in pharmacology. **J Dent Educ** 1982 Mar;46(3):176-83

The present status of United States dental education. Brown WE. **J Dent Educ** 1981 Oct;45(10):628-37

Resolved: that a fifth year of dental education be a requirement. Remarks for the negative. Brown WE, et al. **J Dent Educ** 1982 Jun;46(6):332-4

The patient as a declining resource in dental education. Colman HL. **J Dent Educ** 1981 Oct;45(10):657-9

The probable effects of Federal Trade Commission actions on dentistry and dental education. Conrad DA, et al. **J Dent Educ** 1982 Mar;46(3):135-42

Application of basic and medical sciences in the dental curriculum. DePaola DP. **J Dent Educ** 1981 Oct; 45(10):685-91

Laboratory grouping based on previous courses. Doemling DB, et al. **J Dent Educ** 1981 Dec;45(12):797-800

An analysis of the reliability of a laboratory evaluation system. Feil PH. **J Dent Educ** 1982 Aug;46(8):489-94

Emergency dental care in dental education. Ferraro EF, et al. **J Dent Educ** 1982 Aug;46(8):504-5

Dental education in a capitalistic society. Hein JW. **J Dent Educ** 1982 Sep;46(9):523-32

An alternative approach to teaching statistics to dental students. Hutton JG Jr, et al. **J Dent Educ** 1982 Mar; 46(3):147-52

The changing character of dental practice and its impact on dental education. Kerr IL. **J Dent Educ** 1981 Oct; 45(10):638-45

The impact of research and technologist advances on dental education. Löe H. **J Dent Educ** 1981 Oct;45(10):670-7

The swing lab and liaison committee in a preclinical restorative dentistry course. May KN, et al. **J Dent Educ** 1982 May;46(5):297-8

Involving dental students in cancer research and patient management. Meiller TF, et al. **J Dent Educ** 1981 Nov; 45(11):769-71

Characteristics of predoctoral endodontic education in the United States and Canada. Mendel RW, et al. **J Dent Educ** 1981 Nov;45(11):752-8

Current status of direct gold in teaching and licensure. Miranda FJ, et al. **J Dent Educ** 1982 May;46(5):290-2

An assessment of dental students as dental assistants. Molvar MP. **J Dent Educ** 1982 Sep;46(9):563-4

Resolved: that a fifth year of dental education be a requirement. Remarks for the affirmative. Morris AL, et al. **J Dent Educ** 1982 Jun;46(6):327-31

Formal ethics instruction in dental education. Odom JG. **J Dent Educ** 1982 Sep;46(9):553-7

A case study of a nontraditional basic science curriculum. Roth GI, et al. **J Dent Educ** 1982 Jun;46(6):314-22

Hypnosis in dental education: a survey of U.S. dental schools, 1980. Simpson RB, et al. **J Dent Educ** 1982 Feb;46(2):88-92

The role of dental education in the distribution of dental personnel. Call RL, et al. **J Public Health Dent** 1981 Fall; 41(4):245-54

Teaching pain control in the dental school. Greenfield W. **NY J Dent** 1982 Apr;52(4):126

Interpersonal skills training for dental students. Brown JC, et al. **Psychol Rep** 1982 Apr;50(2):390

Professional socialization in dentistry. A longitudinal analysis of attitude changes among dental students towards the dental profession. Eli I, et al. **Soc Sci Med** 1982;16(9):951-5

The measurement of the effect of social work on the enhancement of dental student training. Levy RL, et al. **Soc Work Health Care** 1980 Winter;6(2):33-8

[Current role of psychology in the shaping of future practitioners in dentistry] Benillouz A. **Rev Odontostomatol (Paris)** 1981 May-Jun;10(3):273-8 **(Fre)**

[Master of Sciences in Dental Biology at the University of Montreal: (School of Dental Medicine). Its objectives and its resources] Mascrès C, et al. **Rev Odontostomatol (Paris)** 1981 Jul-Oct;10(4-5):375-81 **(Fre)**

[Curriculum 'Pathobiochemistry for Students of Stomatology' at the Medical Academy of Erfurt] Lösche W, et al. **Z Med Lab Diagn** 1982 Jan;23(1):67-9 **(Ger)**

ECONOMICS

Indebtedness of dental school graduates and the effects on the type and location of their dental practice. Council on Dental Education. Graham JW. **J Am Dent Assoc** 1981 Jun;102(6):836-9

Educational costs and the decrease in dentists: one state's experience. Stahl DG, et al. **J Am Dent Assoc** 1981 Jun; 102(6):845-6

Senior survey: financial characteristics of dental school seniors. **J Dent Educ** 1982 Sep;46(9):565

The rising cost of dental education: the effect on students. August M. **J Dent Educ** 1982 Jul;46(7):469-72

The impact of federal legislation and declining financial resources on dental education. Bruce HW Jr. **J Dent Educ** 1981 Oct;45(10):646-51

Financing dental education from the viewpoint of the academic health center: retrenchment to mediocrity or enhancement for excellence. Mulvihill JE. **J Dent Educ** 1982 Jun;46(6):307-13

Dental school management in an adverse economic climate. Packer MW. **J Dent Educ** 1981 Oct;45(10):706-12

HISTORY

The history and current status of curriculum length in United States dental schools. Allen DL. **J Dent Educ** 1981 Oct; 45(10):702-5

The history and development of United States dental education. Santangelo MV. **J Dent Educ** 1981 Oct; 45(10):619-27

[50 years of university education in dentistry: a historical survey] De Boever J. **Rev Belge Med Dent** 1981 May; 36(3):101-2 **(Dut, Fre)**

[Dental medicine at the University of Liège] Eisenring R. **Rev Belge Med Dent** 1981 May;36(3):137-40 **(Fre)**

[Teaching of dental medicine at the Free University of Brussels] Mayer R. **Rev Belge Med Dent** 1981 May; 36(3):130-6 **(Fre)**

[Teaching of dental medicine at the Catholic University of Louvain] Vermeersch AG. **Rev Belge Med Dent** 1981 May; 36(3):128-9 **(Fre)**

[A long gestation and a labored childhood: dentistry today in Switzerland] Held AJ. **SSO Schweiz Monatsschr Zahnheilkd** 1981 Oct; 91(10):769-857 **(Fre)**

[100 years of Russian dental instruction] Shabunin AV. **Sov Zdravookhr** 1981;(11):52-3 **(Rus)**

STANDARDS

Curriculum unfair to dental students? [letter] **Br Dent J** 1981 Dec 1;151(11):362-3

The role of curriculum and faculty evaluation in dental education. Mackenzie RS. **J Dent Educ** 1981 Oct; 45(10):678-84

Peer review and quality assessment in complete denture education. Novetsky M, et al. **J Dent Educ** 1981 Nov; 45(11):763-4

Does accreditation foster quality assurance [letter] Wittrock JW. **J Dent Educ** 1981 Dec;45(12):785

TRENDS

Webb-Johnson Lecture. Decisions today for dentistry tomorrow. Kramer IR. **Br Dent J** 1982 Jan 19;152(2):43-7

Dental education of the future: National Conference on Dental Education, May 18-20, 1981. **J Dent Educ** 1981 Oct;45(10):617-732

Dental education of the future. Cohen DW. **J Dent Educ** 1981 Oct;45(10):713-23

Behavioral sciences in dental education: past, present, and future. Dworkin SF. **J Dent Educ** 1981 Oct;45(10):692-8

Prospects for dental education. Hogness JR. **J Dent Educ** 1982 Mar;46(3):129-34

The impact of a declining pool of applicants on dental education. Powell RA. **J Dent Educ** 1981 Oct;45(10):652-6

Predoctoral dental education in the 1980s. Terkla LG. **J Dent Educ** 1981 Dec;45(12):789-96

Current trends in training dental laboratory technicians. Resk R. **NY State Dent J** 1982 Jan;48(1):26

New York state's dental education needs. Weil RB. **NY State Dent J** 1982 May;48(5):294-5

EDUCATION, DENTAL, CONTINUING

Display of course attendance certificates [letter] **Br Dent J** 1981 Dec 1;151(11):361-2

Continuing education course listing for January through June 1982. Division of Continuing Education, Council on Dental Education. **J Am Dent Assoc** 1981 Dec;103(6):943-70

Continuing education course listing for July through December 1982. Division of Continuing Education, Council on Dental Education. **J Am Dent Assoc** 1982 Jun; 104(6):865-81

Dental education: need for a transition experience expressed by dental graduates. Council on Dental Education. Graham JW, et al. **J Am Dent Assoc** 1981 Jun;102(6):829-32

Continuing education needs assessment in dentistry: the SNAP system. Ross GR, et al. **J Dent Educ** 1981 Dec; 45(12):804-11

The effects of a continuing education course on dental hygiene practice. Young LJ, et al. **J Dent Educ** 1982 Apr; 46(4):212-5

MEDEMG: a computer-managed continuing education

course in the management of medical emergencies. Fast TB, et al. **J Oral Med** 1982 Apr-Jun;37(2):58-61

METHODS

The marketing of instructional materials to health practitioners. Emling RC, et al. **J Biocommun** 1981 Jul; 8(2):25-31

TRENDS

Problems in dental practice: a pilot study for continuing education. Blandford DH, et al. **J Am Dent Assoc** 1981 Dec;103(6):869-74

EDUCATION, DENTAL, GRADUATE

The evolution of a postgraduate training programme in orthodontics. Houston WJ. **Br J Orthod** 1982 Apr;9(2):71-2

Dental anaesthesia: two working parties. **Br Med J [Clin Res]** 1981 Dec 5;283(6305):1529-30

The effect of the availability of academic credentials on postgraduate admissions. Solomon E, et al. **J Dent Educ** 1982 Aug;46(8):506

STANDARDS

Standardization of clinical investigators for studies of restorative materials. Ryge G, et al. **Swed Dent J** 1981; 5(5-6):235-9

EDUCATION DEPARTMENT, HOSPITAL see under **HOSPITAL DEPARTMENTS**

EDUCATION, GRADUATE

Learning style preferences of bachelor's and the master's students in occupational therapy. Rogers JC, et al. **Am J Occup Ther** 1980 Dec;34(12):789-93

Personality evaluation of doctoral applicants: a survey of clinical psychology training directors. Stevens MJ. **J Clin Psychol** 1981 Oct;37(4):889-91

Suinn Test Anxiety Behavior Scale: normative data for graduate students in education. Ginter EJ, et al. **Psychol Rep** 1982 Jun;50(3 Pt 2):1116-8

[Some problems concerning training graduate students (author's transl)] Wang ZJ. **Sheng Li Ko Hsueh Chin Chan** 1982 Jan;13(1):20-2 **(Chi)**

[The postgraduate education in the United States of America (author's transl)] Xia SL. **Sheng Li Ko Hsueh Chin Chan** 1981 Oct 25;12(4):371-3 **(Chi)**

[Master of Sciences in Dental Biology at the University of Montreal: (School of Dental Medicine). Its objectives and its resources] Mascrès C, et al. **Rev Odontostomatol (Paris)** 1981 Jul-Oct;10(4-5):375-81 **(Fre)**

[The Ph.D. in sciences and the development of Chilean universities (author's transl)] **Rev Med Chil** 1981 Sep; 109(9):876-7 (Eng. Abstr.) **(Spa)**

STANDARDS

Students' perceptions of instructor performance in specialized professional training programs in deafness: recommendations for teaching strategies. Zieziula FR. **Am Ann Deaf** 1981 Dec;126(9):1037-42

Viewpoint: Impact of graduate student community planning studies. Weil TP. **Health Care Manage Rev** 1981 Summer; 6(3):75-85

Survey and recommendations point to need for improving financial management education in graduate health administration programs. Hepner JO, et al. **Hospitals** 1982 Mar 16;56(6):91-2

TRENDS

Where grow tomorrow's CEOs? Richards G. **Hospitals** 1982 Mar 16;56(6):86-91

Doctoral education in the next decade: a cautionary tale. Zimet CN. **J Clin Psychol** 1982 Jul;38(3):678-9

EDUCATION, HEALTH see **HEALTH EDUCATION**

EDUCATION, MEDICAL

Testing of clinical competence, at all? Overbosch D. **Agressologie** 1981 Dec;22(F):19-20

Thoughts regarding humanities in medical education. Stephens GG. **Ala J Med Sci** 1981 Oct;18(4):343-5

Guidelines for training in gastroenterology. Goldstein F, et al. **Am J Gastroenterol** 1981 Sep;76(3):235-8

When doctors meet numbers. Berwick DM, et al. **Am J Med** 1981 Dec;71(6):991-8

Establishing a clinical teaching associates program [letter] Sanfilippo JS, et al. **Am J Obstet Gynecol** 1981 Sep 15; 141(2):230-1

The Yale University otolaryngology training program. Pillsbury HC. **Am J Otol** 1982 Jul;4(1):98-100

Medical education and recruitment in psychiatry [editorial] Pardes H. **Am J Psychiatry** 1982 Aug;139(8):1033-5

Psychiatry's contribution to medical ethics education. Sider RC, et al. **Am J Psychiatry** 1982 Apr;139(4):498-501

Medical education in China: historical background, present status, and further development. Huang CS. **Am J Surg** 1982 Jun;143(6):660-3

From whence the next generation? Scherer WF. **Am J Trop Med Hyg** 1982 May;31(3 Pt 1):423-9

From Galen to Xerox: the authoritarian reference in medicine. Fitzgerald FT. **Ann Intern Med** 1982 Feb; 96(2):245-6

Education and general medical care. McDermott W. **Ann Intern Med** 1982 Apr;96(4):512-7

Psychiatrists are also physicians [letter] Liptzin B. **Arch Gen Psychiatry** 1982 Jan;39(1):113-4

Teaching psychiatry in medicine: the development of a unique clinical course. Rosen DH, et al. **Arch Intern Med** 1982 Jun;142(6):1113-6

Patient perspectives program: a humanistic educational experience for medical students. Guild S, et al. **Arch Phys Med Rehabil** 1981 Sep;62(9):461-6

Future needs for medical education in Queensland. Planning for co-operation with the other health professionals. Ryan JG. **Aust Fam Physician** 1981 Sep;10(9):704-6, 708-9

The teaching of radiology to medical students. Cope JR, et al. **Australas Radiol** 1981 Jul;25(2):129-31

Southampton's 10th anniversary [editorial] **Br Med J [Clin Res]** 1982 Jun 12;284(6331):1730-1

The function of criticism. Gillon R. **Br Med J [Clin Res]** 1981 Dec 19;283(6307):1633-9

Medical education in Britain. Black D. **Bull Mem Acad R Med Belg** 1980;135(9):560-3

Medical schools and affiliated teaching hospitals in the '80s. Wilson DL. **Can Med Assoc J** 1982 Jun 1;126(11):1331-5

Higher Zimbabwean medical degrees and diplomas. **Cent Afr J Med** 1981 Aug;27(8):161

Primary health care and the medical school. Waterston T. **Cent Afr J Med** 1982 Jan;28(1):11-4

Medical education, medical research and patient care--a constitutional crisis. Hatcher JD. **Clin Invest Med** 1981; 4(1):51-6

Teaching medical law II. Healey JM. **Conn Med** 1982 Jun; 46(6):357

The teaching of andrology in the United States and Canada. Amador A, et al. **Fertil Steril** 1982 Jul;38(1):12-3

On becoming a doctor: a personal reminiscence. Rosenbaum M. **Gen Hosp Psychiatry** 1981 Dec;3(4):283-8

Do the mentally disabled have the right to be physicians? Appelbaum PS. **Hosp Community Psychiatry** 1982 May; 33(5):351-2

Part or a functional medical curriculum: rehabilitation medicine. Rogers EJ. **IMJ** 1982 Mar;161(3):173-5

The nurse educator: change agent for medical student attitudes. Simoni PS. **Int J Nurs Stud** 1981;18(2):107-13

A decade of progress in education and communication in dermatology. Kopf AW. **J Am Acad Dermatol** 1982 Feb; 6(2):209-14

Establishment of a geriatrics curriculum. Campbell EW Jr, et al. **J Am Geriatr Soc** 1982 Jul;30(7):473-4

Faculty resources for teaching geriatric medicine. Coe RM, et al. **J Am Geriatr Soc** 1982 Jan;30(1):63-6

Studies in geriatric education: I Developing educational objectives. Robbins AS, et al. **J Am Geriatr Soc** 1982 Apr; 30(4):281-8

Molding a career. Romm S. **J Am Med Wom Assoc** 1982 Mar;37(3):69

Inaugural conference U.P. Chapter--Association of Physicians of India Inaugural Address. Mathur KS. **J Assoc Physicians India** 1981 Aug;29(8):659-65

The Dundee front projection study booth for medical education. Biran LA, et al. **J Audiov Media Med** 1982 Jan; 5(1):9-11

Art for education's sake. Clarke WD. **J Audiov Media Med** 1982 Apr;5(2):56-7

Left brain-right brain theory and the design of medical teaching materials. Gilder RS. **J Audiov Media Med** 1982 Apr;5(2):45-50

Reaching the region: a re-assessment of the educational technology service provided by Southampton University for the Wessex Health Region. Hart A. **J Audiov Media Med** 1981 Apr;4(2):62-5

Conventional and high-technology teaching methods for educating health professionals in developing nations. McArthur JR. **J Audiov Media Med** 1982 Jan;5(1):21-6

The medical illustrator and educational technology. Marks K. **J Audiov Media Med** 1981 Oct;4(4):130-3

Television and video in the medical school: facilities, scope and management of a small production unit. Marshall RJ, et al. **J Audiov Media Med** 1981 Jul;4(3):80-5

A survey of the use of televised consultations by teachers of general practice. Taylor R. **J Audiov Media Med** 1981 Apr;4(2):52-4

A systematic approach to medical motion picture production. Myers RL. **J Biol Photogr** 1981 Oct;49(4):123-36

Family Practice Grand Rounds. Care of a troubled family and their child with sickle cell anemia. Graham AV, et al. **J Fam Pract** 1982 Jul;15(1):23-32

Mental health training in family practice residency programs. Jones LR, et al. **J Fam Pract** 1982 Aug;15(2):329-35

The departmental assistance program [editorial] Stewart WL. **J Fam Pract** 1982 Sep;15(3):407

Medical education [editorial] Dutta GP. **J Indian Med Assoc** 1981 May 1;76(9):177-8

'The spark within.' Beering SC. **J Indiana State Med Assoc** 1982 Jan;75(1):22-4

Doctor-patient relationship and the medical student: the use of trigger films. Alroy G, et al. **J Med Educ** 1982 Apr; 57(4):334-6

Teaching community agency referrals to medical students: the case method approach. Bernheimer E, et al. **J Med Educ** 1982 Sep;57(9):718-9

Family practice as a specialty choice: effect of premedical and medical education. Brearley WD, et al. **J Med Educ** 1982 Jun;57(6):449-54

Validity of the new MCAT for predicting GPA and NBME part I examination performance. Brooks CM, et al. **J Med Educ** 1981 Sep;56(9 Pt 1):767-9

Nutrition education in the medical curriculum. Cardullo AC. **J Med Educ** 1982 May;57(5):372-5

An evaluation of simulated patients as instructors: implications for teaching medical interview skills. Carroll JG, et al. **J Med Educ** 1981 Jun;56(6):522-4

Patient simulation and team-teaching in a medical interviewing course. Coulehan JL, et al. **J Med Educ** 1982 Jul;57(7):560-2

Six-year B.S./M.D. programs: a literature review. Daubney JH, et al. **J Med Educ** 1981 Jun;56(6):497-503 (27 ref.)

A new tool for problem-based, self-directed learning. Distlehorst LH, et al. **J Med Educ** 1982 Jun;57(6):486-8

Medical student research: a program of self-education. Fisher WR. **J Med Educ** 1981 Nov;56(11):904-8

The Journal Club [letter] Fitzharris JW. **J Med Educ** 1982 Jul;57(7):580

Clinical discussion groups: verbal participation and outcomes. Foster PJ. **J Med Educ** 1981 Oct;56(10):831-8

Experiments in medical education: the pitfalls [editorial] Gonnella JS. **J Med Educ** 1982 Sep;57(9):729-30

The Morehouse Human Values in Medicine Program, 1978-1980: reinforcing a commitment to primary care. Hunter K, et al. **J Med Educ** 1982 Feb;57(2):121-3

Teaching cost containment and health economics in U.S. medical schools, 1980. Ingbar ML, et al. **J Med Educ** 1981 Oct;56(10):851-3

A clinical skills instruction program: the acute abdomen. Laube DW, et al. **J Med Educ** 1982 Sep;57(9):726-8

Evaluation of medical student training in family assessment. Leahey M, et al. **J Med Educ** 1982 Mar;57(3):197-9

A program for training physician-investigators. Lehotay DC, et al. **J Med Educ** 1982 Aug;57(8):602-8

Going against the educational grain: can learning occur backward? Linn BS, et al. **J Med Educ** 1982 Apr; 57(4):325-7

Teaching episiotomy incision and repair to medical students and junior residents. Lupe P, et al. **J Med Educ** 1981 Oct; 56(10):866

Cost containment education [letter] Manning RT. **J Med Educ** 1981 Oct;56(10):877

A required course in decision-making for preclinical medical students. Margolis CZ, et al. **J Med Educ** 1982 Mar; 57(3):184-90

Computer-based instruction in basic medical science education. Marion R, et al. **J Med Educ** 1982 Jul; 57(7):521-6

Teaching pediatric infectious diseases to medical, pharmacy, and nursing students during monthly rotations. Nahata MC, et al. **J Med Educ** 1982 Aug;57(8):640-1

Coordinated behavioral science curricula in American medical schools: 1980. Nathan RG, et al. **J Med Educ** 1982 May;57(5):401-3

Toward independent learning: curricular design for assisting students to learn how to learn. Neame RL, et al. **J Med Educ** 1981 Nov;56(11):886-93

An experiment in cross-border medical education. Nichols A, et al. **J Med Educ** 1981 Sep;56(9 Pt 1):769-71

Nutritional assessment: its significance in medical education. Ozerol NH. **J Med Educ** 1982 Jun;57(6):491-2

The effect of clinical experiences in medical school on specialty choice decisions. Paiva RE, et al. **J Med Educ** 1982 Sep;57(9):666-74

The priority of training health care teams [editorial] Pearse WH. **J Med Educ** 1982 Apr;57(4):340

Therapeutic decision-making for second-year medical students. Peck CC, et al. **J Med Educ** 1981 Dec; 56(12):1024-6

Instruction in physical facility construction for medical students. Peterson SE, et al. **J Med Educ** 1982 Apr; 57(4):323-5

Writing case reports: an educationally valuable experience for house officers. Petrusa ER, et al. **J Med Educ** 1982 May;57(5):415-7

Teaching library skills in third-year clerkships. Port J, et al. **J Med Educ** 1982 Jul;57(7):564-6

Impact of intensive education and interaction with health professionals on patient instructors. Riggs GE, et al. **J Med Educ** 1982 Jul;57(7):550-6

Physician life-style management: a selective for first-year medical students. Rudisill JR, et al. **J Med Educ** 1982 May; 57(5):367-71

The parent interview: teaching the psychosocial care of chronically ill children to third-year medical students. Sack WH. **J Med Educ** 1982 Jun;57(6):488-90

The impact of the clinical medical librarian on medical education. Sarkis J, et al. **J Med Educ** 1981 Oct; 56(10):860-2

Alcoholism education [letter] Sedlacek DA. **J Med Educ** 1982 May;57(5):428

Using simulated case studies to evaluate a clinical ethics course for junior students. Siegler M, et al.

J Med Educ 1982 May;57(5):380–5
Medical education in Indonesia: primary care and community health. Smilkstein G. **J Med Educ** 1982 May;57(5):386–92
A course on the functioning and use of groups in the practice of medicine. Stein TS, et al. **J Med Educ** 1981 Nov; 56(11):909–13
Teaching counseling skills to medical students. Wiltshire EB. **J Med Educ** 1982 Sep;57(9):722–3
Peer teaching in gross anatomy. Yeager VL. **J Med Educ** 1981 Nov;56(11):922
Towards the reality of the primary health care team: an educational approach. Brooks D, et al. **J R Coll Gen Pract** 1981 Aug;31(229):491–5
Present turmoil in medical education. Hunter WH. **J SC Med Assoc** 1981 Jul;77(7):345
Mental health in tropical medicine. Carstairs GM. **J Trop Med Hyg** 1982 Feb;85(1):13–7
Teaching geriatrics [letter] Portnoi VA. **JAMA** 1981 Dec 11;246(23):2678–9
Premedical students, admissions committees, and 'the physician as an educated person'. Rhoads PS. **JAMA** 1982 May 21;247(19):2671–3
Recent events of special interest to medication education. Ruhe CH. **JAMA** 1981 Dec 25;246(25):2911–2
History in the medical curriculum. A clinical perspective. Shortt SE. **JAMA** 1982 Jul 2;248(1):79–81
Nutrition instruction for health professions students and practitioners: strategies for the 1980s. Nestle M. **JPEN** 1982 May–Jun;6(3):191–3
Teaching nutrition in medical schools. Rana IA. **JPMA** 1981 Oct;31(10):235–7
An integrated final M. B. examination. Odling–Smee W, et al. **Lancet** 1982 May 15;1(8281):1114–6
Primary care and medical education. Ross M, et al. **Med Care** 1982 Feb;20(2):235–41
An evaluation of a workshop on educational methods for health science teachers in Lagos, Nigeria. Bamisaiye A, et al. **Med Educ** 1982 May;16(3):161–5
Training primary health care workers in Upper Volta. Cross I. **Med Educ** 1982 Mar;16(2):102–4
Medical teachers' perspectives on development and use of objectives. Williams RG, et al. **Med Educ** 1982 Mar; 16(2):68–71
A season in America. Brass A. **Med J Aust** 1981 Oct 3; 2(7):351–2
Fifteenth annual meeting of the American Association for Cancer Education. November 11–November 14, 1981, San Diego, California. Abstracts. **Med Pediatr Oncol** 1981; 9(6):537–84
Cancer education objectives for medical schools. Bakemeier RF. **Med Pediatr Oncol** 1981;9(6):585–633
Medical informatics and medical education. Anderson J. **Methods Inf Med** 1982 Jan;21(1):1–2
Sounding board. The biopsychosocial model and medical education. Who are to be the teachers? Engel GL. **N Engl J Med** 1982 Apr 1;306(13):802–5
As the twig is bent...[letter] Maren TH. **N Engl J Med** 1982 Jan 28;306(4):243
Sounding board. On teachers. Ratzan RM. **N Engl J Med** 1982 Jun 10;306(23):1420–2
System of health care delivery in Japan. Fukushima T, et al. **Neurosurgery** 1981 Oct;9(4):482–4
Teaching medical ethics in a pediatric training program. Fleischman AR. **Pediatr Ann** 1981 Oct;10(10):51–3
Behavioral science in medical education: an updated bibliography. Holmes GR, et al. **Percept Mot Skills** 1981 Dec;53(3):907–18
A brief look at medical grand rounds. Bogdonoff MD. **Pharos** 1982 Winter;45(1):16–8
The clinical arts and the arts of the word. Pellegrino ED. **Pharos** 1981 Fall;44(4):2–8
Forum: the place of prevention in medical education: past, present, and future. **Prev Med** 1981 Nov;10(6):661–740
Structured skill test in physical examination. Ber R, et al. **Psychol Rep** 1981 Apr;48(2):425–6
Relationship between retaking the medical college admission test and admission to medical school. Hynes K, et al. **Psychol Rep** 1982 Jun;50(3 Pt 1):894
Medical sex education: dogmatism and students' performance. Marcotte DB, et al. **Psychol Rep** 1981 Oct; 49(2):551–5
Attribution of control, essays, and early medical school experience. Gardner R Jr. **Psychosom Med** 1982 Mar; 44(1):93–108
Psychiatric role models for medical students [letter] Leong GB. **Psychosomatics** 1982 Feb;23(2):206
Health, society, and the medical student: a team educational program in primary care. Ripley GD. **Psychosomatics** 1981 Oct;22(10):895–7
Written and practical testing of medical students in radiology. Novelline RA, et al. **Radiology** 1982 Jun;143(3):795–7
Approach to deontology : meeting the demands of future physicians. Scripcaru G. **Rev Med Chir Soc Med Nat Iasi** 1981;85(1):161–4
The incorrect response in multiple–choice examinations. Koeslag JH, et al. **S Afr Med J** 1981 Oct 10;60(15):591–2
Methodologically oriented teaching programme for medical and biological disciplines in the Institutes of Medicine. Sychenikov IA, et al. **Sante Publique (Bucur)** 1981; 24(1):87–96
Clinical biochemistry-- problems and prospects. Whitby LG. **Scott Med J** 1982 Jan;27(1):3–6
The use of multiple choice questions in medical examination: an evaluation of scoring and analysis of results. Ho TF, et al. **Singapore Med J** 1981 Dec;22(6):361–7
Microcomputer–based medical education. Abdulla AM, et al. **South Med J** 1981 Oct;74(10):1251–4
Today's physicians in training provide a glimpse into future. **Tex Med** 1982 Jun;78(6):68–71
Bedside teaching. Morgan WL Jr. **Trans Am Clin Climatol Assoc** 1981;93:164–71
[Training of black doctors in South Africa] Retief FP. **S Afr Med J** 1982 Feb 13;61(7):236–9 (Eng. Abstr.) (Afr)
[Experiences in developing research and teaching work in the outpatient clinic of our hospital (author's transl)] Wang ZM. **Chung Hua I Hsueh Tsa Chih** 1981 May;61(5):260–1 (Eng. Abstr.) (Chi)
[2 years in Iraq] Záruba F. **Cesk Dermatol** 1982 Apr; 57(2):103–6 (Cze)
[Textbooks for medical schools and their preparation] Jarolímek J. **Cesk Zdrav** 1982 Jan;30(1):39–42 (Eng. Abstr.) (Cze)
[Practical teaching of social medicine in the 6th year of study during a time of curriculum reorganization] Nováková H. **Cesk Zdrav** 1982 Feb;30(2):69–72 (Eng. Abstr.) (Cze)
[The process of reasoning of trainee assistants during their clinical duties. A study of the ability to use medical knowledge in a clinical strategy (author's transl)] Verhey JB. **Tijdschr Diergeneeskd** 1982 Jun 1;107(11):422–7 (Dut)
[Choice of teaching method: theoretical courses or bedside training] Albano O. **Agressologie** 1981 Dec;22(F):17–8 (Fre)
[Equivalency of medical studies between France and the Federal Republic of Germany. Results of 10 years' work of the Rennes pilot study. Erlangen/Nürnberg] Bourguet J. **Bull Acad Natl Med (Paris)** 1981 May;165(5):645–51 (Fre)
[Teaching in French at the Shanghai College of Medicine No. 2 (the former Aurore University)] Kuang An Kun M. **Bull Acad Natl Med (Paris)** 1981 May;165(5):631–3 (Fre)
[Teaching of tropical medicine in France] Pene P. **Bull Acad Natl Med (Paris)** 1981 Jun;165(6):711–5 (Fre)
[National objectives in the teaching of pneumology] **Rev Fr Mal Respir** 1981;9(5 Suppl):1–21 (Fre)
[Sex education and sexological responsibility in the training of doctors (author's transl)] Pasini W, et al. **Ther Umsch** 1981 Nov;38(11):1107–11 (Eng. Abstr.) (Fre)
[The ecology course with possibilities for new instruction formats in forensic medicine] Althoff H. **Beitr Gerichtl Med** 1981;39:195–9 (Eng. Abstr.) (Ger)
[Our experiences in the instruction of medical deontology] Milčinski J. **Beitr Gerichtl Med** 1981;39:209–12 (Eng. Abstr.) (Ger)
[Creation of a course in forensic medicine at the Ruhr University in Bochum] Rittner C. **Beitr Gerichtl Med** 1981; 39:221–5 (Eng. Abstr.) (Ger)
[Forensic medicine in the mirror of judgment by students. Results of a survey] Schulz E. **Beitr Gerichtl Med** 1981; 39:215–20 (Eng. Abstr.) (Ger)
[Education in forensic medicine after the new approbation regulation] Schwerd W. **Beitr Gerichtl Med** 1981;39:189–93 (Eng. Abstr.) (Ger)
[Problems in forensic medicine education in Japan] Suzuki T. **Beitr Gerichtl Med** 1981;39:213–4 (Eng. Abstr.) (Ger)
[From regulated instruction to the open course principle. A suggestion for solving absenteeism tendencies using forensic medicine as an example] Teige K. **Beitr Gerichtl Med** 1981;39:227–31 (Eng. Abstr.) (Ger)
[The 60–percent rule unconstitutional] Rieger HJ. **Dtsch Med Wochenschr** 1982 May 14;107(19):753–5 (Ger)
[Use of a mobile video system for teaching students in internal medicine] Hagel HJ, et al. **Fortschr Med** 1982 Feb 25; 100(8):307–8 (Ger)
[Evaluation of audiovisual media. Goal and method] Dahmer J. **Med Welt** 1981 Oct 16;32(42):1596–8 (Ger)
[Medical sociology in the frame of medical education] Biefang S, et al. **MMW** 1981 Nov 27;123(48):1859–61 (Ger)
[Patient–centered teaching of students of medicine (author's transl)] Becker H, et al. **Psychother Psychosom Med Psychol** 1981 Sep;31(5):151–5 (Eng. Abstr.) (Ger)
[Psychotherapy as part of the study of medicine (author's transl)] Heigl–Evers A. **Psychother Psychosom Med Psychol** 1981 Nov;31(6):172–4 (Eng. Abstr.) (Ger)
[The place and importance of history of medicine in the medical curriculum (author's transl)] Wyklicky H. **Wien Klin Wochenschr** 1981 Nov 13;93(21):660–5 (Eng. Abstr.) (Ger)
[Training and education at the Department of Hygiene at the Medical Academy of the People's Republic of Poland] Korczak CW. **Z Gesamte Hyg** 1981 Nov;27(11):859–60 (Ger)
[Medical sociology and health educational training of students at the Medical University Szeged] Zalányi S. **Z Gesamte Hyg** 1981 Nov;27(11):860–3 (Eng. Abstr.) (Ger)
[The missing dimension in the physicians' oath] Mahler S, et al. **Harefuah** 1981 Dec 1;101(11):315–7 (Heb)
[Objective structured clinical examination] Osterweil D, et al. **Harefuah** 1981 Aug;101(3–4):71–2 (Eng. Abstr.) (Heb)
[Current training of the neoplastic radiotherapist in the European Community and in Italy] Romanini A. **Radiol Med (Torino)** 1982 Apr;68(4):225–9 (Ita)
[Experience in teaching an experimental discipline (biology) in medical school. Big problems and little suggestions] Alescio T, et al. **Recenti Prog Med** 1980 Mar;68(3):327–45 (Eng. Abstr.) (Ita)
[Pictures in scientific information] Tripodi F. **Recenti Prog Med** 1982 Mar;72(3):379–81 (Ita)
[The medical student and his teachers] Hunskår S. **Nord Med** 1982 Jun;97(6–7):184–6 (Nor)
[Students' and teachers' opinion of pass–fail as a grading system at Tromsø Medical School] Hannisdal E, et al. **Tidsskr Nor Laegeforen** 1981 Jun 10;101(16):1021–2 (Eng. Abstr.) (Nor)
[A comparison of diagnosis by non–psychiatrists and psychiatrists in patients attending for the 1st time the Mental Health Outpatient Clinic in Kielce] Plutecki A, et al. **Pol Tyg Lek** 1981 Apr 20;36(16):565–6 (Eng. Abstr.) (Pol)
[Sequel of life at the Socola Hospital or the future of the psychiatrist: to adapt, to integrate, to recover] Brânzei P. **Rev Med Interna [Neurol Psihiatr]** 1981 Apr–Jun; 26(2):155–60 (Rum)
[Organization of the work of the Pathology Department of Duke University Medical Center] Sharov VG. **Arkh Patol** 1982;44(5):77–80 (Rus)
[Tutorship and training of young medical personnel in the light of the decisions of the 26th Congress of Communist Party of the Soviet Union] Iablokov DD. **Klin Med (Mosk)** 1981 Dec;59(12):5–8 (Rus)
[Independent student work in a clinical department] Ardamatskiĭ NA. **Sov Med** 1981;(10):84–8 (Rus)
[Clinical pharmacology and medical training] Berkhin EB. **Sov Med** 1981;(6):77–8 (Rus)
[Role of the history of medicine in the deontological training of medical workers] Iarovinskiĭ MIa. **Sov Zdravookhr** 1982; (4):51–3 (Rus)
[Student deontological education] Kryzhanovskaia II, et al. **Sov Zdravookhr** 1982;(6):49–52 (Rus)
[Moral education of medical workers] Logvinenko IA, et al. **Sov Zdravookhr** 1982;(6):37–9 (Rus)
[Supply of physicians in developing countries] Rozov AA, et al. **Sov Zdravookhr** 1982;(3):56–60 (Rus)
[Improving the legal training of students and forensic physicians] Sergeev IuD. **Sud Med Ekspert** 1982 Jan–Mar; 25(1):49–50 (Rus)
[The medical science and clinical practice (author's transl)] Derežić D. **Lijec Vjesn** 1981;103(4–5):165–8 (Eng. Abstr.) (Scr)
[Problems in our health work (author's transl)] Krajina Z. **Lijec Vjesn** 1981 Jul;103(7):273–6 (Scr)
[Medical study in Osijek and Split (author's transl)] Marušić M. **Lijec Vjesn** 1981 FEB–MAR;103(2–3):95–6 (Scr)
[The Marcelo Royer lecture. The importance of clinical research in the training of the physician] Lanari A. **Acta Gastroenterol Latinoam** 1981;11(2):315–20 (Spa)
[Is the medical rounds a useful method in teaching?] Gordillo Paniagua G. **Bol Med Hosp Infant Mex** 1981 Nov–Dec; 38(6):849–53 (Spa)
[Medical ethics and medical education] Acuña HR. **Bol Of Sanit Panam** 1981 Jun;90(6):471–7 (Spa)
[Need for effective collaboration between medical education and the health services] Ferreira JR. **Educ Med Salud** 1981; 15(2):154–68 (Eng. Abstr.) (Spa)
[Programatic planning in the teaching of the International System of Units to future physicians] Piña–Garza E. **Gac Med Mex** 1981 Dec;117(12):497–8 (Spa)
[Toward an objective concept of clinical learning] Viniegra L. **Gac Med Mex** 1981 Jul;117(7):299–301 (Spa)
[Some comments on medical education in Chile (author's transl)] Alessandri H. **Rev Med Chil** 1981 May; 109(5):459–66 (Spa)
[Proposal for a new type of medical education in Linkoping: Early clinical training and education in communication technics] Areskog NH. **Lakartidningen** 1981 May 13; 78(20):2019–22 (Swe)

ECONOMICS

Good and bad news for medical schools [editorial] **Br Med J [Clin Res]** 1982 Jun 5;284(6330):1658
Death by a thousand cuts [editorial] **Br Med J [Clin Res]** 1982 Jul 3;285(6334):1–2
A medical education: only for the rich? Nieder ML. **IMJ** 1981 Aug;160(2):108
Consequences of the student loan proposals in the administration's fiscal 1983 budget [editorial] **J Med Educ** 1982 May;57(5):418–9
The consequences of a changing federal policy on support of medical education [editorial] Bowles LT. **J Med Educ** 1981 Oct;56(10):868
Medical education programs sponsored by government agencies. **JAMA** 1981 Dec 25;246(25):2955–7
Aid gone, only wealthy will apply to medical school. Morningstar L. **Mich Med** 1982 Apr;81(18):210–4
Health policy report: shrinking federal support brings new era to education in the health professions. Iglehart JK. **N Engl J Med** 1981 Oct 22;305(17):1027–32

HISTORY

To serve the people: medical education and care in the People's Republic of China. Shipp JC. **Ann Intern Med** 1982 Aug;97(2):277–9

Channel crossing: the lure of French pathology for English medical students, 1816—36. Maulitz RC. **Bull Hist Med** 1981 Winter;55(4):475–96

Women MDs in America: 100 years of progress and backlash. Rosenthal PA, et al. **J Am Med Wom Assoc** 1982 May; 37(5):129–33

Medical education in India since independence. Chatterjee PK. **J Indian Med Assoc** 1981 Sep;77(5–6):91–5

Medical education in Alabama: Part I, the early years. Pittman JA Jr. **J Med Assoc State Ala** 1982 Apr;51(10):22–9

The Abraham Flexner Award for Distinguished Service to Medical Education: Sherman M. Mellinkoff, M.D. **J Med Educ** 1982 Jan;57(1):29–30

Medical education in Mississippi. Quinn J. **J Miss State Med Assoc** 1981 Dec;22(12):325–9

Medicine in the USA: Historical vignettes. II. Medical education: the early phases. King LS. **JAMA** 1982 Aug 13;248(6):731–4

Annual address, delivered before the Medical Society of the State of New York, February 8, 1837, by James M'Naughton, M.D., president of the society. **NY State J Med** 1982 Feb;82(2):242–50

The teaching of preventive medicine in American medical schools, 1940—1980. Barker WH, et al. **Prev Med** 1981 Nov;10(6):674–88

The origins of disease orientation in American medical education. Freymann JG. **Prev Med** 1981 Nov;10(6):663–73

Medical education in Utah. Wintrobe MM. **West J Med** 1982 Apr;136(4):357–66

[History of education at the First Internal Medicine Clinic in Prague from 1881 to 1938] Adamec J. **Cas Lek Cesk** 1981;120(49):1475–7 **(Cze)**

[The 100th anniversary of Czech teaching at the 1st internal medicine clinic in Prague] Hlaváčková L. **Cas Lek Cesk** 1981 Nov 26;120(47):1478–82 (Eng. Abstr.) **(Cze)**

[Reform of medical education in 1953 and the circumstances of its development] Adamec J, et al. **Cesk Zdrav** 1981 Dec; 29(12):508–14 (Eng. Abstr.) **(Cze)**

[The role of social medicine in the history of the education and training of physicians at Charles University] Müller C, et al. **Cesk Zdrav** 1982 Jan;30(1):22–33 **(Cze)**

['Our medical examinations' by J. A. Korteweg in the Nederlands Tijdschrift voor Geneeskunde in 1882] **Ned Tijdschr Geneeskd** 1982 Jan 2;126(1):40 **(Dut)**

[Sámuel Rácz and the dawn of Hungarian medical education] Kötay P. **Orv Hetil** 1982 Jan 10;123(2):103–9 **(Hun)**

[Origins of the teaching of medicine in Portugal (editorial)] Guerra M. **Acta Med Port** 1980 Sep–Dec;2(5–6):335–6 **(Por)**

[The tradition and current status of the relation between medical education and the Society of Physicians and Naturalists] Scripcaru G. **Rev Med Chir Soc Med Nat Iasi** 1980 Oct–Dec; 84(4):629–35 (Eng. Abstr.) **(Rum)**

[Development of medicine at Vilna University (on the 200th anniversary of higher medical education in Lithuania)] Biziuliavichius SK, et al. **Sov Zdravookhr** 1982;(4):54–8 **(Rus)**

[Reforms at the end of the 18th and the beginning of the 19th centuries in the field of medical education in Russia] Palkin BN. **Sov Zdravookhr** 1981;(8):71–4 **(Rus)**

[History of the world's first Chair of ophthalmology] Brzheskil VCh. **Vestn Oftalmol** 1981 Sep–Oct;(5):69–70 **(Rus)**

[Medical personnel training at the Kiev Medical Institute] Lavrik SS. **Vrach Delo** 1982 Jun;(6):5–9 **(Rus)**

[Gabino barreda, the educator] Somolinos-Palencia J. **Gac Med Mex** 1981 Sep;117(9):377–81 **(Spa)**

[Free education vs state-control: an episode in the history of Chilean education (1872–73)] Costa-Casaretto C. **Rev Med Chil** 1981 Jun;109(6):573–81 (Eng. Abstr.) **(Spa)**

[The meaning of biomedical research for the development of a medical school (author's transl)] Neghme A. **Rev Med Chil** 1981 Sep;109(9):878–84 (Eng. Abstr.) **(Spa)**

LEGISLATION & JURISPRUDENCE

The legal side: when a student fails clinical. Poteet GW, et al. **Am J Nurs** 1981 Oct;81(10):1889–90

MANPOWER

Response to GMENAC report [letter] Tarlov AR. **J Indiana State Med Assoc** 1981 Dec;74(12):772

METHODS

Multiple pathways in medical education. Blaustein EH, et al. **J Med Educ** 1981 Sep;56(9 Pt 1):771–3

Evaluation of a nutrition education program for medical students. Cohen JD, et al. **J Med Educ** 1981 Sep;56(9 Pt 1):773–5

Retention of knowledge in clinical biochemistry and the effect of the Keller Plan. Schwartz PL. **J Med Educ** 1981 Sep;56(9 Pt 1):779–81

A logbook system for monitoring student skills and experiences. Soler NG, et al. **J Med Educ** 1981 Sep;56(9 Pt 1):775–7

ORGANIZATION & ADMINISTRATION

Integrating pharmaceutical services and education in an academic medical center. Gourley DR, et al. **Am J Hosp Pharm** 1982 Jan;39(1):77–81

STANDARDS

Rheumatology [letter] **Arch Intern Med** 1982 Jul; 142(7):1405–6

Medicine at the crossroads. North J. **Aust Fam Physician** 1981 Jun;10(6):suppl 5

Mediocrity of surgical education [editorial] **Can J Surg** 1981 Jul;24(4):337–40

Inadequacy of current requirements for licensure in family medicine [letter] McWhinney IR. **Can Med Assoc J** 1982 Jan 15;126(2):115

'A Testament of Duty' revisited. Bean WB. **J Lab Clin Med** 1981 Dec;98(6):795–806

External examinations for the evaluation of medical education achievement and for licensure. Adopted June 25, 1981, by the Executive Council of the Association of American Medical Colleges. **J Med Educ** 1981 Nov;56(11):933–62

FLEX I and II: some unanswered questions [editorial] Derbyshire RC. **J Med Educ** 1981 Nov;56(11):923–4

Five ethical doctrines for medical education. Tweel WT Jr. **J Med Ethics** 1982 Mar;8(1):37–9

The state of medical education in the United States [letter] Cooper JA. **Lancet** 1982 Sep 4;2(8297):560

A content validity analysis of neoplastic items of the National Board of Medical Examiners Part II Examination. Goetzel RZ, et al. **Med Pediatr Oncol** 1982;10(4):413–8

Content bias in the neoplastic-related items of the National Board of Medical Examiners Part II Examination. Ruckdeschel JC, et al. **Med Pediatr Oncol** 1982; 10(3):269–73

The biopsychosocial model in medical education [letter] **N Engl J Med** 1982 Sep 16;307(12):760–1

Education of physicians [letter] **N Engl J Med** 1982 Mar 25;306(12):752–4

Can the education of the physician be made more rational? Ebert RH. **N Engl J Med** 1981 Nov 26;305(22):1343–6

Nutrition education in medical schools. Brennan RE. **Penn Med** 1982 Feb;85(2):43

Health-oriented physician education. Jonas S. **Prev Med** 1981 Nov;10(6):700–9

Ways and means for solving the complex problem of optimizing education in medical institutes. Ermakov VV, et al. **Sante Publique (Bucur)** 1980;23(4):299–310

Innovation, ideology and innocence. Maddison D. **Soc Sci Med** 1982;16(6):623–8

[The preparation of medical students in our country: some clinical observations] Kraytman M. **Acta Clin Belg** 1981; 36(5):223–6 (Eng. Abstr.) **(Fre)**

[Address of the Universities Minister] Saunier-Seïté A. **Bull Acad Natl Med (Paris)** 1980 Dec;164(9):805–6 **(Fre)**

[Anatomy education in England] Nagata T. **Kaibogaku Zasshi** 1981 Apr;56(2):81–108 **(Jpn)**

[Work of the Department of Histology, Cytology and Embryology of the Kiev Medical School as the basis for a college for improving the qualifications of medical university teachers in the USSR] Kabak KS, et al. **Arkh Anat Gistol Embriol** 1981 Sep;81(9):115–7 **(Rus)**

[Academic courses in public health and the quality of physician training] Paran'ko NM. **Gig Sanit** 1982;(1):33–5 **(Rus)**

[Medical ethics—an expendable subject?] Herranz G. **Rev Med Univ Navarra** 1981 Dec;25(4):63–5 **(Spa)**

[Selection of professors, based on ability to teach?] Mårtenson D. **Nord Med** 1982 Jan;97(1):25–6 (Eng. Abstr.) **(Swe)**

TRENDS

Cos, Cnidos, and CAOG. Rhodes FH. **Am J Obstet Gynecol** 1982 Jun 1;143(3):259–64

A case for change? Higgins PM, et al. **Br Med J [Clin Res]** 1982 Apr 3;284(6321):1019–20

Philosophers prime physicians for ethical dilemmas. Kahn L. **Hospitals** 1982 Sep 16;56(18):162, 165–6

The involvement of the behavioral sciences in American medicine: a historical perspective. Riska E, et al. **Int J Health Serv** 1981;11(4):583–96

Influences on medical education in the United States. Sutnick AI, et al. **J Am Med Wom Assoc** 1981 Apr;36(4):123–6, 129–30

Another transition! so soon? (a farewell to academia: or ac anemia?). Mengel CE. **J Lab Clin Med** 1982 Jun; 99(6):788–91

Center for craniofacial anomalies: spin-offs for medical education and delivery of health care. Pruzansky S. **Otolaryngol Clin North Am** 1981 Nov;14(4):777–82

The system is failing, but the students are getting the F's. Burstein AG, et al. **Pharos** 1982 Spring;45(2):30–3

Some musings on medical education: Is it going astray? Rogers DE. **Pharos** 1982 Spring;45(2):11–4

Pedagogy, self-education, and the information explosion. Waugh D. **Pharos** 1982 Spring;45(2):20–1

The Jeremiah Metzger Lecture: the climate of patient care and medical education. Cluff LE. **Trans Am Clin Climatol Assoc** 1981;93:150–63

[Evolution of medicine and repercussions on medical education in North America] Desrosiers G. **Union Med Can** 1981 Sep;110(9):817–20 **(Fre)**

[The junior-balint-group as field of experimentation for the doctor-patient-relationship (author's transl)] Wildbolz A. **Praxis** 1981 Oct 6;70(41):1817–20 (Eng. Abstr.) **(Ger)**

[Opinion on the amendment of the rules of certification from a general medical viewpoint] Sturm E. **ZFA (Stuttgart)** 1982 Jan 31;58(3):Suppl 1013–4 **(Ger)**

[Methodological problems in the teaching of history of medicine in pediatric departments] Suvorova RV, et al. **Sov Zdravookhr** 1982;(1):58–61 **(Rus)**

[Development of medical science and public health in Leningrad: current status and trends] Beliakov VD. **Vestn Akad Med Nauk SSSR** 1981;(12):67–78 **(Rus)**

EDUCATION, MEDICAL, CONTINUING

Behavioral evaluation of fetal alcohol education for physicians. Weiner L, et al. **Alcoholism (NY)** 1982 Spring; 6(2):230–3

The impact of an educational program on gentamicin use in a teaching hospital. Johnson MW, et al. **Am J Med** 1982 Jul;73(1):9–14

Results of the 1976 APA Self-Assessment Program. Quick SK, et al. **Am J Psychiatry** 1981 Dec;138(12):1587–91

Quality assurance, medical audit and continuing medical education. Grant AK. **Ann Acad Med Singapore** 1981 Oct; 10(4):566–9

An allergy-clinical immunology training program for pediatric residents. Church JA, et al. **Ann Allergy** 1982 Apr; 48(4):227–9

Training in cardiopulmonary resuscitation for hospital attending physicians. Ornato JP, et al. **Ann Emerg Med** 1981 Nov;10(11):571–4

The craft of surgery. The anastomosis workshop, March 1981. **Ann R Coll Surg Engl** 1981 Nov;63(6):405–10

The College Course in Clinical Surgery. Shand WS. **Ann R Coll Surg Engl** 1982 Sep;64(5):348–51

A two-day sexuality workshop for OB-GYN residents. Meadow R, et al. **Ariz Med** 1981 Jan;38(1):28–32

Continuing education for GPs: a Queensland survey. Munro C, et al. **Aust Fam Physician** 1982 Jan;11(1):58–63

Overcoming isolation in London. Fellowships in general practice in St Thomas's district. Courtenay MJ, et al. **Br Med J [Clin Res]** 1982 Jan 30;284(6312):318–20

Lichfield: Academic support practice. Harrington LT. **Br Med J [Clin Res]** 1982 Mar 20;284(6319):877–8

Organising a practice. Giving the best to a trainee. Llewellyn DJ. **Br Med J [Clin Res]** 1982 Feb 6;284(6313):389–90

Practice educational meetings: a new influence in general practice. Reiss BB, et al. **Br Med J [Clin Res]** 1981 Oct 17;283(6298):1025–7

Use of microcomputers for self-assessment and continuing education in anaesthesia. Schmulian C, et al. **Br Med J [Clin Res]** 1982 Feb 6;284(6313):403–5

Northumberland Young Practitioner Group. Tayor GB. **Br Med J [Clin Res]** 1982 Jul 10;285(6335):103

A formal audit as continuing medical education: anaesthesia for neurosurgery. McIntyre JW, et al. **Can Anaesth Soc J** 1982 Mar;29(2):174–80

Guidelines for competency and training in fiberoptic bronchoscopy. Section on Bronchoscopy, American College of Chest Physicians. **Chest** 1982 Jun;81(6):739

The president's year. Weg JG. **Chest** 1981 Oct;80(4):478–80

Theory X is alive and well (in continuing medical education). Lievrouw L, et al. **J Biocommun** 1981 Jul;8(2):2–4

Continuing medical education: does it address prevention? Weinberg A, et al. **J Community Health** 1982 Spring; 7(3):211–4

Multiple choice questions for continuing education in family medicine. Dickie GL, et al. **J Fam Pract** 1981 Dec; 13(7):1031–5

Family therapy in family practice: a solution to psychosocial problems? Fosson AR, et al. **J Fam Pract** 1982 Sep; 15(3):461–5

Learning outcomes and practice changes after a postgraduate course in office orthopedics. Geyman JP, et al. **J Fam Pract** 1982 Jul;15(1):131–6

A cardiology patient simulator for continuing education of family physicians. Gordon MS, et al. **J Fam Pract** 1981 Sep;13(3):353–6

Can art be CME? Caplan RM. **J Iowa Med Soc** 1981 Oct; 71(10):439

Mandatory CME: an assessment by the Kansas medical profession. Tinterow MM. **J Kans Med Soc** 1982 Jun; 83(6):295–8

Demographics of a board review continuing education course for family physicians. Redmon JE, et al. **J Ky Med Assoc** 1982 Jun;80(6):365–8

Peer review in a primary care education program. Aronson M, et al. **J Med Educ** 1982 Jun;57(6):481–3

Increasing the educational value of medical care evaluation: a model program. Bashook PG, et al. **J Med Educ** 1982 Sep;57(9):701–7

The McMaster CME Society. Davis D, et al. **J Med Educ** 1982 Jun;57(6):476–80

Participant/observer evaluation in continuing medical education. Houge DR. **J Med Educ** 1981 Jun;56(6):527

Effect of physician tutorials on prescribing patterns of graduate physicians. Klein LE, et al. **J Med Educ** 1981 Jun;56(6):504–11

The faculty and continuing medical education: an attitude study. Lein JN, et al. **J Med Educ** 1981 Sep;56(9 Pt 1):737–41

A multi-component program to increase family physicians' faculty skills. McGaghie WC, et al. **J Med Educ** 1981 Oct; 56(10):803–11

Commitment for changes: an instrument for evaluating CME courses. Purkis IE. **J Med Educ** 1982 Jan;57(1):61–3

Divergent pediatric CME priorities in a rural area. Rosenthal JP, et al. **J Med Educ** 1982 Mar;57(3):193–4

Continuing medical education in New York County: physician attitudes and practices. Rothenberg E, et al. **J Med Educ** 1982 Jul;57(7):541–9

Teaching computer science to health professionals. Safir A, et al. **J Med Educ** 1981 Oct;56(10):858–60

Physician training for hospital information systems. Shapiro JR, et al. **J Med Educ** 1982 Jul;57(7):566–8

Weekly interdisciplinary colloquy on cardiology: a decade of experiment. Wehrmacher WH, et al. **J Med Educ** 1981 Oct;56(10):846–50

Development of a correspondence CME course for rural physicians. Wilson AL, et al. **J Med Educ** 1982 Aug; 57(8):635–7

Continuing education--identifying our needs. Fabb WE. **J R Coll Gen Pract** 1981 Jul;31(228):395–400

General practitioners and learning by audit. Freeling P, et al. **J R Coll Gen Pract** 1982 Apr;32(237):231–7

Fourth National Trainee Conference. Report, recommendations, and questionnaire. Exeter, 1980. **J R Coll Gen Pract [Occas Pap]** 1981 Oct;(18):1–84

Continuing medical education. **JAMA** 1981 Dec 25; 246(25):2945–7

Battered child syndrome: what should a physician know about it? Husain SA. **JPMA** 1982 Jan;32(1):20–4

Medical education on trial [editorial] **Lancet** 1982 Apr 10; 1(8276):837–8

Improving hypertension control: impact of computer feedback and physician education. Dickinson JC, et al. **Med Care** 1981 Aug;19(8):843–54

Therapy, counselling and small-group learning: some similarities and differences examined from a linguistic viewpoint. Sketchley J. **Med Educ** 1982 Mar;16(2):88–93

Continuing education in general practice. 2. Impact of education activities. Colditz G, et al. **Med J Aust** 1981 Nov 28;2(11):610–1

Continuing education in general practice. 1. Attitudes of general practitioners. Wilson A, et al. **Med J Aust** 1981 Nov 14;2(10):545–6

This CME course is no boondoggle [editorial] Harvey WP. **Med Times** 1981 Aug;109(8):14, 19

The Fort Carson MEDDAC Emergency War Surgery Course: an early appraisal. Wittich AC, et al. **Milit Med** 1982 May;147(5):396–9

A randomized trial of continuing medical education [letter] **N Engl J Med** 1982 Aug 19;307(8):504–6

Continuing medical education: the case for contamination [editorial] Goldfinger SE. **N Engl J Med** 1982 Mar 4; 306(9):540–1

A randomized trial of continuing medical education. Sibley JC, et al. **N Engl J Med** 1982 Mar 4;306(9):511–5

Continued learning for the professional. Hunter JD. **NZ Med J** 1981 Sep 23;94(692):219–23

An O–M–E–N of things to come. Bartfay AA. **Ohio State Med J** 1981 Aug;77(8):487

Can medical school admissions criteria identify lifelong learners? Finestone AJ, et al. **Penn Med** 1982 Feb;85(2):22, 24, 33

State physicians teach, learn as they tour China. Lamb RL. **Penn Med** 1982 Jan;85(1):8–9

Professional outreach - the state of the art. Mansell PW. **Prog Clin Biol Res** 1981;57:111–4

The reading retreat: a new format for continuing medical education. Taub RN. **Prog Clin Biol Res** 1981;57:221–2

Teleconferencing for continuing medical education. Anderson CW, et al. **SD J Med** 1982 Mar;35(3):31–2

Continuing medical education: reflections on a somewhat different approach. Grimsley WT. **South Med J** 1982 Apr; 75(4):461–2

The medical scene in Texas. Continuing medical education: what is its role? **Tex Med** 1982 Feb;78(2):68–9

Continuing medical education: needs and fulfillments. Hussey HH. **Tex Med** 1982 Feb;78(2):57–9

CME credits and medical licensure. Correll HL. **Wis Med J** 1981 Mar;80(3):24–5

[Medical education, autumn 1981] **Ugeskr Laeger** 1981; 143(33):2079–128, 1b–75b **(Dan)**

[Postgraduate education and quality evaluation of physicians' performance. A round table] **Ugeskr Laeger** 1981; 143(33):2089–98 **(Dan)**

[General practitioners' postgraduate education. Report of the Leeuwenhorst Group] Bentzen N. **Ugeskr Laeger** 1981; 143(33):2106–10 **(Dan)**

[Required postgraduate education in the USA and Canada] Kelstrup J. **Ugeskr Laeger** 1981;143(33):2101–2 **(Dan)**

[Clinical evaluation] Kelstrup J. **Ugeskr Laeger** 1981; 143(33):2104–6 **(Dan)**

[Postgraduate medical education in the USA] Kjaer C. **Ugeskr Laeger** 1981;143(33):2099–100 **(Dan)**

[The self-directed learning process] Kjaer C. **Ugeskr Laeger** 1981;143(33):2102–4 **(Dan)**

[Why a course in clinical nutrition?] Ovesen L. **Ugeskr Laeger** 1981;143(33):2128 **(Dan)**

[Microsurgery in 1982. Importance of the technique in the different surgical specialties and training possibilities (author's transl)] Boeckx W, et al. **Acta Chir Belg** 1982 May–Jun;82(3):151–60 (Eng. Abstr.) **(Dut)**

[Continuing medical education in North America. Where does it stand?] Vaillancourt G. **Union Med Can** 1982 May; 111(5):447–53 **(Fre)**

[Microsurgical possibilities in orthopedics] Walker N. **Beitr Orthop Traumatol** 1982 Feb;29(2):79–82 (Eng. Abstr.) **(Ger)**

[General medicine--attempt at a definition (II)] Schultze-Lans E. **Fortschr Med** 1982 May 20; 100(19):873–80 **(Ger)**

[Endoscopy of the digestive tract in the continuing education of internists and gastroenterologist] Classen M. **Internist (Berlin)** 1982 May;23(5):243–4 **(Ger)**

[Group hospitalization, a distinctive form of training for medical specialists] Greifeld A, et al. **Z Arztl Fortbild (Jena)** 1981 Feb 15;75(4):178–83 **(Ger)**

['Cut injuries' of the hand-- a challenge to the present status of continuing education in surgery] Segmüller G, et al. **Z Unfallmed Berufskr** 1982;75(2):85–90 **(Ger)**

[Role of the university in the education and advanced training of the specialist in occupational medicine] Ambrosi L. **Med Lav** 1981 Sep–Oct;72(5):374–9 **(Ita)**

[Training in coloproctology] Cutait DE. **AMB** 1981 Nov; 27(11):334–6 **(Por)**

[Effectiveness of the teaching of nutritional hygiene to health officers by advanced lecture series] Karpliuk IA, et al. **Gig Sanit** 1982 May;(5):40–2 **(Rus)**

[Role of the Central Institute of Physician Advanced Training in the postgraduate preparation of specialists in child and adolescent hygiene] Sukharev AG, et al. **Gig Sanit** 1981 Jul;(7):33–5 **(Rus)**

[Improvement of advanced training of surgeons] Shalimov AA, et al. **Klin Khir** 1982 Mar;(3):47–50 **(Rus)**

[Postgraduate training of gastroenterologists] Belousov AS, et al. **Sov Med** 1981;(7):84–9 **(Rus)**

[Role of the research-consulting department of the leading institute in training in oncology in the republic] Sokolova LV, et al. **Sov Med** 1982;(4):82–4 **(Rus)**

[Increasing the effectiveness of advanced training of medical personnel] Alferov VP, et al. **Sov Zdravookhr** 1982;(1):41–4 **(Rus)**

[Role of an alumni commission for contact with graduates in improving pediatrician training] Iur'ev VK, et al. **Sov Zdravookhr** 1982;(1):48–9 **(Rus)**

[Experience in improving the qualifications of dermatologists and venereologists by postgraduate lecture tours] Anton'ev AA, et al. **Vestn Dermatol Venerol** 1982 Mar;(3):29–32 (Eng. Abstr.) **(Rus)**

[Experience in training physicians in the cytological diagnosis of tumors] Agamova KA, et al. **Vopr Onkol** 1982; 28(8):69–73 **(Rus)**

[Methodology and content of seminar classes for student physicians in postgraduate training] Khisamutdinov AG, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1982 Mar; (3):116–8 **(Rus)**

[Symposium on continuing medical education] **Gac Med Mex** 1981 Jun;117(6):215–50 **(Spa)**

ECONOMICS

Education is wherever there is a television set [letter] Trelford JD. **Am J Obstet Gynecol** 1981 Nov 1; 141(5):595–6

HISTORY

Early continuing medical education in dermatology. Bauriedel K. **Int J Dermatol** 1981 Nov;20(9):614–5

[History of the Chair of Laboratory Clinical Diagnosis at the Central Institute for Advanced Medical Training] Morozova VT. **Lab Delo** 1981;(6):375–8 **(Rus)**

[Role of the Department of Pediatrics in the system of postgraduate instruction for pediatricians (on the 50th anniversary of the Order of Lenin Central Institute of Advanced Medical Training)] Matveev MP, et al. **Pediatriia** 1981 Jul;(7):77–8 **(Rus)**

[N. I. Pirogov on the advanced training of medical personnel in Russia (on the centenary of Pirogov's death 1810–1881)] Toporov GN. **Sov Zdravookhr** 1982;(2):66–8 **(Rus)**

ORGANIZATION & ADMINISTRATION

Medical information dialogues: continuing education for physicians. Jeffrey LP, et al. **Am J Hosp Pharm** 1982 Jan; 39(1):128–9

STANDARDS

Certification of vascular surgeons [letter] Mulder DG. **Ann Thorac Surg** 1982 Mar;33(3):304–5

Participation and needs among members of the Royal Australian College of Ophthalmologists. Murchland JB, et al. **Aust J Ophthalmol** 1982 Feb;10(1):72–80

Presidential address. An organizational framework for training, service, and research in clinical immunology and allergy. Austen KF. **J Allergy Clin Immunol** 1982 Jun; 69(6):479–83

AMA 1981 Interim Meeting Report. Essentials for the accreditation of sponsors of continuing medical education. **J Tenn Med Assoc** 1982 Apr;75(4):257–9

CME. How is it measuring up? Markert RJ, et al. **Ohio State Med J** 1982 Jun;78(6):409–10, 415–9

The assessment of continuing medical education. Davies IJ. **Scott Med J** 1981 Apr;26(2):125–34

Continuing medical education [editorial] Timbury GC. **Scott Med J** 1981 Apr;26(2):97–8

[Physician in Upernavik. Professional demands and suggestions for training] Bjerregaard P, et al. **Ugeskr Laeger** 1981 Nov 23;143(48):3256–9 (Eng. Abstr.) **(Dan)**

[Raising the qualifications of physicians and pharmacists, employees of the Soviet Army and Naval Fleet] Chentsov Iul. **Voen Med Zh** 1981 Oct;(10):25–7 **(Rus)**

TRENDS

Current status of continuing medical education. AMA Council on Medical Education. **Conn Med** 1981 Dec; 45(12):783–91

New directions for continuing education. Baron RH. **Dimens Health Serv** 1982 Mar;59(3):9

Chest physician innovations keep sandman out of CME [news] Gunby P. **JAMA** 1982 Aug 6;248(5):520

Patterns of continuing medical education: a generation unit analysis of physicians in three community hospitals. Savatsky PD, et al. **Soc Sci Med [a]** 1981 Sep;15(5):665–72

[Current tasks of the health officer's postgraduate education in child and adolescent hygiene in light of the decisions of the 26th CPSU Congress] Sukharev AG, et al. **Gig Sanit** 1982 Jun;(6):4–7 **(Rus)**

EDUCATION, MEDICAL, GRADUATE

Testing of training in Great Britain. The examination of the Royal College of Physicians (MRCP (UK)). Badenoch J. **Agressologie** 1981 Dec;22(F):15

Prescription writing habits of physicians in postgraduate training. Salberg DJ, et al. **Am J Hosp Pharm** 1982 Jan; 39(1):129–30

Training internists: insights from private practice. McCue JD. **Am J Med** 1981 Sep;71(3):475–9

Ocular pathology and the American Board of Ophthalmology [letter] **Am J Ophthalmol** 1982 Jun; 93(6):797–800

The anaesthetist and intensive care. Loder RE. **Anaesthesia** 1982 Jun;37(6):691–3

The microcomputer in self-assessment for examinations in anaesthesia. Parbrook GD, et al. **Anaesthesia** 1981 Dec; 36(12):1136–7

Fourth report from the House of Commons Social Services Committee (Medical Education)--the short report. Comments from the Council. **Ann R Coll Surg Engl** 1982 Mar;64(2):77–80

The College Course in Clinical Surgery. Shand WS. **Ann R Coll Surg Engl** 1982 Sep;64(5):348–51

Surgical oncology: the time for review [editorial] Clunie GJ. **Aust NZ J Surg** 1982 Aug;52(4):323–4

Higher medical training in venereology. Schofield CB. **Br J Vener Dis** 1982 Apr;58(2):86–91

Report of Joint Working Party on the Training of Clinical Medical Officers in Child Health. **Br Med J [Clin Res]** 1982 Feb 27;284(6316):637–40

Uncertainties in Bradford. Bahrami J. **Br Med J [Clin Res]** 1982 Aug 7;285(6339):411–2

Shortlisting trainees: selecting with solicitude in exeter. Bolden KJ. **Br Med J [Clin Res]** 1982 Sep 11; 285(6343):699–701

Defects in proposed regional advisory machinery [letter] Donald AG. **Br Med J [Clin Res]** 1982 Mar 13; 284(6318):828

How to get the most out of the trainee year. Donohoe M, et al. **Br Med J [Clin Res]** 1982 Jan 30;284(6312):315–6

Women in general practice. Jebb G. **Br Med J [Clin Res]** 1982 Feb 20;284(6315):566–7

Spotlight on moonshine. Pickering WG. **Br Med J [Clin Res]** 1982 Sep 11;285(6343):697–8

Seven years of running a half-day release course. Pietroni R. **Br Med J [Clin Res]** 1982 May 1;284(6325):1305–6

Flexibility in general professional training. Robson JG. **Br Med J [Clin Res]** 1982 Mar 6;284(6317):720–1

How I organise a half-day release course for trainees. Smith CH. **Br Med J [Clin Res]** 1982 Apr 24;284(6324):1240–1

Part-time medical training: 15 years' experience in the Oxford region. Swerdlow AJ, et al. **Br Med J [Clin Res]** 1981 Nov 21;283(6303):1371–3

Day-release courses in the West Midlands. Thorpe GW. **Br Med J [Clin Res]** 1982 Jul 3;285(6334):29–30

A consultation model for post-doctoral training in forensic psychiatry. Cavanaugh JL Jr, et al. **Bull Am Acad Psychiatry Law** 1980;8(4):373–80

Part-time residency training. Fisman S, et al. **Can J Psychiatry** 1981 Nov;26(7):484–6

The teaching and learning of psychotherapy in a general hospital. Greben SE, et al. **Can J Psychiatry** 1981 Nov; 26(7):449–54

Training guidelines for surgical oncology. Schweitzer RJ, et al. **Cancer** 1981 Nov 15;48(10):2336–40

Standards for physician training in sports medicine. Ryan AJ. **Clin Orthop** 1982 Apr;(164):13–7

Training and education in gastroenterology. List of available training programs. **Gastroenterology** 1982 Aug;83(2):506–18

Leadership and management in medicine in the 1980s. Strandjord PE. **Hum Pathol** 1982 Jun;13(6):515–8

Sleep deprivation in graduate medical education [editorial]

Davis RM. **IMJ** 1981 Sep;160(3):146–9
Undergraduate and postgraduate pediatric education in Czechoslovakia. Puri RK. **Indian Pediatr** 1981 Sep; 18(9):615–8
Toward performance based graduate medical education [editorial] Pinkerton RE. **J Fam Pract** 1981 Oct;13(5):735
From the Infectious Diseases Society of America. Hospital epidemiology and infection control: the changing role of the specialist in infectious diseases. Shands JW Jr, et al. **J Infect Dis** 1981 Dec;144(6):609–13
Graduate medical education: proposals for the Eighties. **J Med Educ** 1981 Sep;56(9 Pt 2):1–145
Postgraduate substance abuse teaching: cognitive knowledge before and after a required course. Cushman P Jr. **J Med Educ** 1981 Oct;56(10):866–7
Graduate medical education [editorial] Swanson AG. **J Med Educ** 1981 Sep;56(9 Pt 1):782
Graduate medical education in an HMO: an internal medicine residency program. Wolfe ES, et al. **J Med Educ** 1982 Jun; 57(6):468–71
CMDNJ and postgraduate physician training in New Jersey. Marshall C. **J Med Soc NJ** 1981 Dec;78(13):903–5
Why not retake the college examination? Brown JR, et al. **J R Coll Gen Pract** 1981 Mar;31(224):176
Moneymed: a game to develop management skills in general practice. Essex B, et al. **J R Coll Gen Pract** 1981 Dec; 31(233):735–9
Can teachers cross continents? Experiences in Sri Lanka. Metcalfe DH, et al. **J R Coll Gen Pract** 1981 Oct; 31(231):605–10
Vocational training: work in a developing country and British general practice. Peppiatt R. **J R Coll Gen Pract** 1981 Jun; 31(227):336–42
A course in collaboration for social workers and general practitioners. Samuel OW, et al. **J R Coll Gen Pract** 1981 Mar;31(224):172–5
Graduate medical education in the United States. **JAMA** 1981 Dec 25;246(25):2938–44
Medical education on trial [editorial] **Lancet** 1982 Apr 10; 1(8276):837–8
Impact of an independent-study programme upon professional careers. Blumberg P, et al. **Med Educ** 1982 May;16(3):156–60
The psychiatrist and family medicine: a different training approach. Lesser AL. **Med Educ** 1981 Nov;15(6):398–406
A method of evaluating opportunistic teaching in clinical medicine. Stanley IM, et al. **Med Educ** 1981 Nov; 15(6):389–91
Patterns of graduate medical education [letter] **N Engl J Med** 1982 May 13;306(19):1182
Sounding Boards. The development of a physician–investigator training program. Levey GS, et al. **N Engl J Med** 1981 Oct 8;305(15):887–9
Overview of the GMENAC report. Spivey BE. **Ophthalmology (Rochester)** 1982 May;89(5):61A–64A
Problems of the trainer and trainee in general practice. Gomez G. **Practitioner** 1981 Apr;225(1354):439–41
Looking back on a trainee year. Hilton S. **Practitioner** 1981 Apr;225(1354):443–4
The use of television in teaching. Hull FM. **Practitioner** 1982 Feb;226(1364):185–6
The relevance of training courses to general practice. Jobling SA. **Practitioner** 1981 Nov;225(1361):1540–1
A house officer attachment in general practice. McGuinness BW. **Practitioner** 1982 Jul;226(1369):1216–8
Vocational training. The half-day release course. Samuel O. **Practitioner** 1981 Sep;225(1359):1209–11
Always to be students. Russe HP. **Proc Inst Med Chic** 1981 Oct–Dec;34(4):116–7
Psychiatric education of the internist: a teaching conference approach. Brown JT, et al. **Psychosomatics** 1981 Dec; 22(12):1038–43
The training of a surgeon. James JI. **Rev Chir Orthop** 1981; 67(3):169–73
The micro- or home computer as a teaching aid in postgraduate medical study. La Grange PD, et al. **S Afr Med J** 1982 Mar 27;61(13):485–7
The London School of Hygiene and Tropical Medicine. Smith CE. **Trans R Soc Trop Med Hyg** 1981;75 Suppl:12–20
Tropical medicine in British clinical schools: the Oxford experiment. Weatherall DJ. **Trans R Soc Trop Med Hyg** 1981;75 Suppl:27–8
[Postgraduate oncological education in the light of documents and recommendations by UICC and WHO (author's transl)] Bek V. **Cas Lek Cesk** 1982 Mar 5; 121(9):257–60 (Eng. Abstr.) **(Cze)**
[An analysis of the education courses for examination clinics] Dohn H, et al. **Ugeskr Laeger** 1981;143(33):2116–26 **(Dan)**
[Education of physicians– a system for the development of the medical personality] Jacobsen B. **Ugeskr Laeger** 1981; 143(33):2111–6 **(Dan)**
[The specialism geriatrics and education for geriatrist] Schreuder JT, et al. **Gerontologie** 1981 Nov;12(4):224–9 (Eng. Abstr.) **(Dut)**
[Contributions to the specialty geriatrics. The geriatrician--tolerated or appreciated?] Ringoir DJ. **Tijdschr Gerontol Geriatr** 1982 Feb;13(1):12–6 (Eng. Abstr.) **(Dut)**
[Medical education in occupational medicine] Demers H, et al. **Union Med Can** 1981 Aug;110(8):687–90 (Eng. Abstr.) **(Fre)**
[Need to inform the patient and required supervision regarding novice physicians performing surgical interventions] Uhlenbruck W. **Dtsch Med Wochenschr** 1981 Nov 27;106(48):1630–2 **(Ger)**
[Shortsightedness in medicine] **MMW** 1982 Mar 26;124(12):90 **(Ger)**
[Postgraduate medical education] Trindade JC. **Rev Paul Med** 1981 Apr–Jun;97(4–6):41–5 **(Por)**
[The development and consolidation of practical skills during the postgraduate training of physicians–hygienists] Aleksianian IV, et al. **Gig Sanit** 1981 Dec;(12):29–31 **(Rus)**
[Goals and methods of the postgraduate education of surgeons] Shaposhnikov AV, et al. **Klin Khir** 1982 Mar; (3):50–2 **(Rus)**
[Methodical study aid for self-training of students in hospital internal medicine] Komarov FI, et al. **Klin Med (Mosk)** 1981 Feb;59(2):114–7 **(Rus)**
[Organization and management of the teaching process in a department of advanced surgery] Lukomskii GI, et al. **Sov Med** 1981;(10):80–4 **(Rus)**
[Teaching of social hygiene in the medical school] Lisitsyn IuP, et al. **Sov Zdravookhr** 1982;(3):52–5 **(Rus)**
[Methodology of teaching military field surgery in a medical school] Gorshkov SZ, et al. **Voen Med Zh** 1982 Apr; (4):15–7 **(Rus)**
[Improvement in the level of teaching surgery to graduate course students] Grinev MV. **Voen Med Zh** 1982 Mar; (3):20–2 **(Rus)**
[Several aspects of teaching of epidemiology as public health faculty] Popova PP, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1982 Feb;(2):107–10 **(Rus)**
[Effect of clinical practice on the results of multiple choice examinations (author's transl)] Viniegra L, et al. **Rev Invest Clin** 1981 Jul–Sep;33(3):313–7 (Eng. Abstr.) **(Spa)**
[The University Clinic of the University of Navarra] Villanueva V. **Rev Med Univ Navarra** 1981 Mar;25(1):53–6 **(Spa)**
[Notes on the planning for teaching social pediatrics at the postgraduate level in Spain] Trujillo Armas R. **Rev Sanid Hig Publica (Madr)** 1979 Jan–Feb;53(1–2):91–109 (Eng. Abstr.) **(Spa)**
[Surgical education in the Swedish neurosurgery – has the postgraduate training fulfilled the expectations?] Holmgren E. **Lakartidningen** 1982 Mar 17;79(11):970–3 **(Swe)**
[The computer as patient. Trials with computer-based simulation in medical education in Umeå] Bergin R, et al. **Nord Med** 1981 Oct;96(10):244–6 **(Swe)**

ECONOMICS

The facts: medical education and its costs. Millard CE. **RI Med J** 1982 Mar;65(3):95–7

HISTORY

Graduate medical education in Mobile 1859–1981. Jordan CA. **J Med Assoc State Ala** 1981 Oct;51(4):16, 18, 24–9
[The origin of post-graduate training at the Faculty of Medicine, University of Chile (author's transl)] Costa-Casaretto C. **Rev Med Chil** 1981 Oct; 109(10):1013–23 (Eng. Abstr.) **(Spa)**

ORGANIZATION & ADMINISTRATION

Advanced training in orthopaedic surgery in Australia. Dooley BJ. **Aust NZ J Surg** 1982 Jun;52(3):227–9
How I would organise a day-release course for trainees. Jewell MD. **Br Med J [Clin Res]** 1982 May 22; 284(6328):1537–8

STANDARDS

Monitoring ophthalmology graduate education. The Residency Review Committee. Trobe JD, et al. **Arch Ophthalmol** 1982 Jan;100(1):67–71
The orthopaedic residency review process. Samilson RL. **J Bone Joint Surg [Am]** 1982 Feb;64(2):265–9
Summary of a review of medical education in South Carolina. Sutusky JC. **J SC Med Assoc** 1982 May;78(5):279–82
The general essentials of accredited residencies in graduate medical education. Liston SE, et al. **JAMA** 1982 Jun 4; 247(21):3002–3
Postgraduate medical education in obstetrics and gynecology. Eskew PN Jr, et al. **Obstet Gynecol** 1981 Nov;58(5):642–5
Trainer–trainee problems: assessment. Hull FM. **Practitioner** 1981 Aug;225(1358):1085–9
Graduate medical evaluation: present and future. Becker EL. **Trans Am Clin Climatol Assoc** 1980;92:152–65
[Organized specialist training, the most imported demand among young Icelandic doctors] Arnason A. **Nord Med** 1982 Jun;97(6–7):171–2 **(Nor)**
[Selective examination for postgraduate residencies. Analysis and results] Quijano M, et al. **Gac Med Mex** 1981 Aug; 117(8):343–51 **(Spa)**
[Attitudes, opinions and trends of pre-graduate medical interns in a 2d-level general hospital] López Monteverde G, et al. **Salud Publica Mex** 1982 Jan–Feb;24(1):13–24 (Eng. Abstr.) **(Spa)**

TRENDS

Development in education in occupational medicine in the United Kingdom. Lee WR. **Am J Industr Med** 1981; 2(3):203–8
Is the university GP dead? [interview] Fabb W. **Aust Fam Physician** 1981 Jun;10(6)suppl 4
An essential component of training in psychiatry. Hunter RC. **Can J Psychiatry** 1981 Aug;26(5):293–4
A perspective on instructional uses of computing in medicine. Stolurow KA. **J Med Syst** 1982 Apr;6(2):165–70 (41 ref.)
MSMS position statement parallels GMENAC projections. Ray KJ. **Mich Med** 1982 Mar;81(13):144–5
Changing patterns of graduate medical education. Steinwachs DM, et al. **N Engl J Med** 1982 Jan 7;306(1):10–4
Seeds. Some thoughts on vocational training schemes in general practice. Sinson JD. **Practitioner** 1982 Jan; 226(1363):15–6
A comparison of primary care residents with conventional internal medicine and pediatric residents. Rosinski EF, et al. **West J Med** 1981 Sep;135(3):245–7
[What do we teach the students? Bloom's taxonomy clinical education] Janssen CW Jr, et al. **Tidsskr Nor Laegeforen** 1982 Jan 20;102(2):111–3 **(Nor)**

EDUCATION, MEDICAL, UNDERGRADUATE

Lack of impact of undergraduate genetic courses on the teaching of medical genetics. Steele MW, et al. **Am J Hum Genet** 1982 May;34(3):501–6
Tracking: an answer to psychiatry's recruitment problem? Weintraub W, et al. **Am J Psychiatry** 1982 Aug; 139(8):1036–9
Option term in anaesthetics for medical students. Bookallil MJ, et al. **Anaesth Intensive Care** 1981 Nov;9(4):366–70
A time efficient EMT–A course for first year medical students. Bradley K, et al. **Ann Emerg Med** 1982 Sep; 11(9):478–81
Effect of the surgical clerkship on student perception of essential skills and self-assessed abilities. Linn BS, et al. **Ann Surg** 1982 Jan;195(1):50–4
A nursing workshop for medical students. Reeder JM, et al. **AORN J** 1982 Jul;36(1):118–30
Evaluation of an objective structured clinical examination. Watson AR, et al. **Arch Dis Child** 1982 May;57(5):390–2
The right-angle laryngeal telescope in undergraduate medical education. Markus JF, et al. **Arch Otolaryngol** 1982 Jun; 108(6):344–6
Rheumatology education in United States medical school. Goldenberg DL, et al. **Arthritis Rheum** 1981 Dec; 24(12):1561–6
Predicting first professional M.B.B.S. examination score from the results of H.S.C. examination. Islam S, et al. **Bangladesh Med Res Counc Bull** 1980 Dec;6(2):61–72
St. George's University School of Medicine, Grenada: benefit or liability? [letter] **Br Med J [Clin Res]** 1982 Aug 21; 285(6341):574–5
The preregistration houseman in general practice. Freeman GK, et al. **Br Med J [Clin Res]** 1982 May 8; 284(6326):1379–83
Suicide in San Francisco. Potts SG. **Br Med J [Clin Res]** 1982 Jul 17;285(6336):198–9
Career choices, work patterns and perceptions of undergraduate education of McMaster medical graduates: comparison between men and women. Ferrier BM, et al. **Can Med Assoc J** 1982 Jun 15;126(12):1411–4
Standards for physician training in sports medicine. Ryan AJ. **Clin Orthop** 1982 Apr;(164):13–7
Teaching of diagnostic radiology in the undergraduate curriculum. A report of the education board to the Council of the Royal College of Radiologists. **Clin Radiol** 1981 Nov; 32(6):601–5
Report on the Kodak Travelling Scholarship Section I: Interventional Radiology. Section II: Undergraduate Radiology Training in North America. Chapman AH. **Clin Radiol** 1982 May 3;33(3):241–51 (87 ref.)
Teaching of integrate ' maternal and child health & family welfare. Desai AB. **Indian Pediatr** 1981 Jul;18(7):435–41
Development of MCH curriculum for the undergraduates in medical colleges. Philip E. **Indian Pediatr** 1981 Jul; 18(7):429–33
Undergraduate and postgraduate pediatric education in Czechoslovakia. Puri RK. **Indian Pediatr** 1981 Sep; 18(9):615–8
Training in medical informatics. The use of computers for diagnostic purposes. Hasman A. **Int J Biomed Comput** 1982 Mar;13(2):109–18
Learning about rehabilitation. Russell EM, et al. **Int Rehabil Med** 1981;3(2):101–4
Education in the nursing home: practical considerations. Pawlson LG. **J Am Geriatr Soc** 1982 Sep;30(9):600–2
Presentation of patient management problems using a random access slide projector. Harden RM. **J Audiov Media Med** 1982 Apr;5(2):72–4
Microfiche-based exercise in clinical microbiology—a valuable assessment technique for teachers and students. Hartwig NG, et al. **J Audiov Media Med** 1981 Jan;4(1):26–8
Audiovisual aids and blood pressure measurement: enhancements to teaching about observer variation. Hedley AJ, et al. **J Audiov Media Med** 1981 Jan;4(1):15–9
Videotaped case histories in the final MB (Psychiatry) examination at St Bartholomew's Hospital Medical College. Jolly B. **J Audiov Media Med** 1981 Oct;4(4):123–6
In-house colour offset lithography for medical education:

developments and applications. Siwek R, et al. **J Audiov Media Med** 1981 Apr;4(2):40–4
Evaluation of an educational program in health care teams. Dienst ER, et al. **J Community Health** 1981 Summer; 6(4):282–98
Teaching alcoholism to family medicine students. Coggan P, et al. **J Fam Pract** 1981 Dec;13(7):1025–8
An innovative family medicine clerkship. Smith SR, et al. **J Fam Pract** 1981 Oct;13(5):687–92
Telephone management training [letter] Smith SR. **J Fam Pract** 1982 Jan;14(1):22–4
Preceptorship in family practice. Driscoll CE. **J Iowa Med Soc** 1982 Apr;72(4):150–1
Six-year B.S./M.D. programs: a literature review. Daubney JH, et al. **J Med Educ** 1981 Jun;56(6):497–503 (27 ref.)
Science versus nonscience undergraduate studies for medical school: a study of nine classes. Yens DP, et al. **J Med Educ** 1982 Jun;57(6):429–35
Medical ethics and medical education [editorial] **J Med Ethics** 1981 Dec;7(4):171–2
Family medicine education in Mississippi. Smith RE, et al. **J Miss State Med Assoc** 1982 May;23(5):139–42
Systematic use of closed-circuit television in a general practice teaching unit. Irwin WG, et al. **J R Coll Gen Pract** 1981 Sep;31(230):557–60
William Pickles Lecture 1981. 'Verities yet in their chaos'. Richardson IM. **J R Coll Gen Pract** 1981 Jun; 31(227):328–33
A clinical clerkship in a multicenter setting: an appraisal. Talbert LM, et al. **J Reprod Med** 1981 Aug;26(8):421–4
Undergraduate medical education. **JAMA** 1981 Dec 25; 246(25):2913–30
Medical schools without walls. Self-instruction abroad. Loiterman DA, et al. **JAMA** 1981 Oct 16;246(16):1801–3
Interdisciplinarism: problems & promises. Turnbull EN. **JNE** 1982 Feb;21(2):24–31
Training in leprosy of medical students in Ethiopia [letter] Warndorff JA. **Lepr Rev** 1981 Sep;52(3):284–5
Student discussion groups on doctor-patient relationships: a critical assessment. Allison CJ, et al. **Med Educ** 1981 Nov; 15(6):392–7
Validity of students' ratings of clinical instructors. Benbassat J, et al. **Med Educ** 1981 Nov;15(6):373–6
Medical teaching—help or hindrance? Bennett MJ, et al. **Med Educ** 1982 Mar;16(2):63–7
Competence of medical students in history taking during the clinical course. Bishop JM, et al. **Med Educ** 1981 Nov; 15(6):368–72
Impact of an independent-study programme upon professional careers. Blumberg P, et al. **Med Educ** 1982 May;16(3):156–60
A computer-based test item-bank for cognitive assessment of medical students during a clinical medicine clerkship. Brooks CM, et al. **Med Educ** 1982 Jan;16(1):12–6
The impact of instructional style on the development of professional characteristics. Colditz GA, et al. **Med Educ** 1982 May;16(3):127–32
Interdisciplinary field training research and rural development programme. Hamad B. **Med Educ** 1982 Mar; 16(2):105–7
The relationship between prior clerkship experience and student performance in medicine clerkships. Implications for grading. Jackson JR, et al. **Med Educ** 1982 May; 16(3):133–6
The psychiatric contribution to general medical education. Some problems of generalization. James B, et al. **Med Educ** 1982 May;16(3):147–50
A model case-study for teaching the principles of emergency medical referrals in a rural African setting. Kale OO. **Med Educ** 1981 Nov;15(6):383–8
A first aid and CPR course for first-year medical students. Nelson M. **Med Educ** 1982 Jan;16(1):7–11
Student evaluation of instruction. A comparison of medicine and engineering. Neumann L. **Med Educ** 1982 May; 16(3):121–6
Undergraduate teaching of orthopaedic surgery. Norris SH. **Med Educ** 1982 May;16(3):166–9
Theoretical versus practical orientations in pre-clinical biochemistry teaching. Redford-Ellis M, et al. **Med Educ** 1982 Mar;16(2):76–80
A factor analytic study of teaching in off-campus general practice clerkships. Shellenberger S, et al. **Med Educ** 1982 May;16(3):151–5
A method of evaluating opportunistic teaching in clinical medicine. Stanley IM, et al. **Med Educ** 1981 Nov; 15(6):389–91
Integrated medical student teaching. A combined course in community medicine, general practice, geriatric medicine and mental health. Stout RW, et al. **Med Educ** 1982 May; 16(3):143–6
Patient preferences and the bedside manner. Thompson JA, et al. **Med Educ** 1982 Jan;16(1):17–21
A medical curriculum: evaluation by final-year students. Walker LG, et al. **Med Educ** 1981 Nov;15(6):377–82
Personality type and curriculum preference in primary care. West M, et al. **Med Educ** 1982 Mar;16(2):94–6
Teaching letter writing to medical undergraduates. Beran RG. **Med J Aust** 1982 May 15;1(10):434–5
A rosy light [letter] Colditz GA. **Med J Aust** 1981 Oct 31; 2(9):452
Human sexuality teaching in a medical school. Llewellyn-Jones D, et al. **Med J Aust** 1982 May 1; 1(9):386–7
Cost-containment training can reduce medical costs. Zannoth D. **Mich Med** 1982 May;81(24):288
The modular medical integrated curriculum: an innovation in medical education. Culbert AJ, et al. **N Engl J Med** 1982 Jun 17;306(24):1502–4
Rehabilitation [letter] Gillespie WJ, et al. **NZ Med J** 1982 Apr 28;95(706):286
Liberal arts and humanities in medicine [editorial] Nelson BW. **Pharos** 1981 Fall;44(4):36
Prevention and medical practice: the role of undergraduate medical education. Report on a national symposium, October 5–6, 1981 Bethesda, Md. **Public Health Rep** 1982 May–Jun;97(3):195–243
Prevention: current status in undergraduate medical education. Berg RL. **Public Health Rep** 1982 May–Jun; 97(3):205–9
A curricular model for a rural family practice clerkship. Smith BW, et al. **Public Health Rep** 1982 Jul–Aug; 97(4):373–9
Educational objectives for undergraduate radiology. Mosier NR, et al. **Radiology** 1981 Nov;141(2):555–9
Multiple-choice examinations—an objective view [letter] Keen EN, et al. **S Afr Med J** 1982 Sep 18;62(13):425
An undergraduate Balint group in Cape Town—a follow-up report. Levenstein S. **S Afr Med J** 1982 Jul 17;62(3):89–90
A method for demonstrating clinical trial principles to medical students. Meissner O, et al. **S Afr Med J** 1982 Jul 17;62(3):93–4
A multisite comparison of student activities in the surgery clerkship. Calhoun JG, et al. **Surgery** 1982 Jun;91(6):622–7
Tropical medicine in British clinical schools: the Oxford experiment. Weatherall DJ. **Trans R Soc Trop Med Hyg** 1981;75 Suppl:27–8
Medical Education at the University of the West Indies. Wray SR. **West Indian Med J** 1982 Mar;31(1):1–2
[The objective-structured clinical examination (OSCE)] Wassermann HP, et al. **S Afr Med J** 1982 Feb 27; 61(9):325–30 (Eng. Abstr.) (Afr)
[Undergraduate training in oncology in the light of UICC and WHO documents and recommendations (author's transl)] Bek V. **Cas Lek Cesk** 1981;120(49):1457–60 (Eng. Abstr.) (Cze)
[Medical students' attitudes to examinations (author's transl)] Strnad L, et al. **Cas Lek Cesk** 1982 Jan 22;121(3):86–9 (Eng. Abstr.) (Cze)
[The teaching of social medicine in the 3d year of study in general medicine according to the new study program] Skalská H, et al. **Cesk Zdrav** 1982 Apr;30(4):172–6 (Eng. Abstr.) (Cze)
[Delivery of diplomas from a member of honor of the French College of Vascular Pathology] Olivier C. **J Mal Vasc** 1981; 6(2):79–80 (Fre)
[Effects of curriculum changes on cognitive acquisition and attitude towards basic sciences] Dauphinée WD, et al. **Union Med Can** 1981 Aug;110(8):733–7 (Eng. Abstr.) (Fre)
[Observations of a student on a geriatric service] Reid D. **Union Med Can** 1981 Nov;110(11):1015–6 (Eng. Abstr.) (Fre)
[Legal position of medical students during the practical year] Rieger HJ. **Dtsch Med Wochenschr** 1981 Oct 30; 106(44):1471–4 (Ger)
[Practical course of 'stationary medical care' training for medical students (selected results of a survey)] Kiehl H, et al. **Z Gesamte Hyg** 1981 Apr;27(4):312–7 (Eng. Abstr.) (Ger)
[Problems in the teaching of radioanatomy] Triasuchev PM. **Arkh Anat Gistol Embriol** 1982 Jan;82(1):108–9 (Rus)
[Training of foreign students in surgery] Mokhniuk IuN, et al. **Klin Khir** 1982 Mar;(3):52–3 (Rus)
[Possibilities of improving of medical rounds] Krikshtopaitis MI, et al. **Klin Med (Mosk)** 1981 Aug;59(8):110–2 (Eng. Abstr.) (Rus)
[Clinical evaluation of patients in lectures and practical studies] Saperov Vn. **Klin Med (Mosk)** 1981 Aug; 59(8):108–9 (Rus)
[Independent student work as a basis for optimizing training and education] Chetvertakova EP, et al. **Pediatriia** 1982 Jan;(1):55–6 (Rus)
[Teaching of students at the I. M. Sechenov Moscow Medical Institute] Sychenikov IA, et al. **Sov Med** 1982;(3):83–8 (Rus)
[Improvement of the teaching of internal diseases at the department of therapeutics] Makolkin VI, et al. **Ter Arkh** 1982;54(3):132–4 (Eng. Abstr.) (Rus)
[Several aspects of teaching of epidemiology as public health faculty] Popova PP, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1982 Feb;(2):107–10 (Rus)
[Training in psychiatry] Díez Manrique JF, et al. **Actas Luso Esp Neurol Psiquiatr** 1981 Sep–Oct;9(5):367–72 (Spa)
[Practical introduction of the medical student to biomedical research] Leighton F, et al. **Educ Med Salud** 1981; 15(3):219–31 (Eng. Abstr.) (Spa)

MANPOWER

The staffing of preclinical and paraclinical departments in Irish medical schools. Hooper AC. **Ir Med J** 1982 May; 75(5):145–8
Neurosurgery faculty participation in undergraduate medical education in American medical schools: a preliminary report by the Subcommittee on Undergraduate Education of the Joint Committee on Education of the American Association of Neurological Surgeons and the Congress of Neurological Surgeons. Foltz EL, et al. **Neurosurgery** 1982 Jan;10(1):122–5

STANDARDS

Teach us so we may see [editorial] Klein HC. **Arch Otolaryngol** 1982 Jun;108(6):343
Undergraduate pediatric education in India. Kaul KK. **Indian Pediatr** 1981 Oct;18(10):695–9
The 1980 Reith Lectures—some reactions. A medical student's response. Schamroth A. **J Med Ethics** 1981 Dec; 7(4):191–3
Efficacy of sex education courses in medical school. Schnarch DM, et al. **J Sex Marital Ther** 1981 Winter; 7(4):307–17
Health orientation in medical education, Australia. Clarke RM, et al. **Prev Med** 1981 Nov;10(6):719–25
Development of a competency-based approach to teaching preventive medicine. Segall A, et al. **Prev Med** 1981 Nov; 10(6):726–35
The long pipeline (from pre-med to practice). **Tex Med** 1981 Nov;77(11):34–5

TRENDS

The psychiatric training of medical students. Voineskos G, et al. **Can J Psychiatry** 1981 Aug;26(5):301–8
The 1981 entering class. Baker GL. **J Iowa Med Soc** 1982 Apr;72(4):146–7
[Training at a department of anesthesiology and resuscitation] Usenko LV, et al. **Anesteziol Reanimatol** 1982 Mar–Apr; (2):3–7 (Rus)
[Problems of medical student training] Kryzhanovskaia II, et al. **Vrach Delo** 1981 Mar;(3):1–4 (Rus)

EDUCATION, NURSING

The orthogonal Frank electrocardiogram in 257 nurse students. Zenner RJ, et al. **Acta Cardiol (Brux)** 1981; 36(4):275–87
Conducting pre- and postconferences. Mitchell CA, et al. **Am J Nurs** 1982 May;82(5):823–5
The effects of modularized instruction and traditional teaching techniques on cognitive and affective behaviors of student nurses [letter] Thompson MA. **ANS** 1981 Oct; 4(1):x–xi
Geriatric medicine and the nursing home: a mechanism for mutual excellence. Libow LS. **Gerontologist** 1982 Apr; 22(2):134–41
Anergy: The hidden danger. Conry KM. **Heart Lung** 1982 Jan–Feb;11(1):85–92
Nursing education in the Arabian Gulf: the Bahrain model. Kronfol NM, et al. **Int J Nurs Stud** 1982;19(2):89–98
Preparation of nursing students for health care teams. Snyder M. **Int J Nurs Stud** 1981;18(2):115–22
Introducing the nursing process in Papua New Guinea. Gosnell DJ. **Int Nurs Rev** 1981 Jul–Aug;28(4):108–9, 115
Models of nursing as the basis for curriculum development: some rationales and implications. Smith L. **J Adv Nurs** 1982 Mar;7(2):117–27
The effect of a workshop on attitudes of female nursing students toward male homosexuality. Anderson CL. **J Homosex** 1981 Fall;7(1):57–69
Teaching pediatric infectious diseases to medical, pharmacy, and nursing students during monthly rotations. Nahata MC, et al. **J Med Educ** 1982 Aug;57(8):640–1
Moving toward interdependence: strategies for collaboration. Baker CM. **J Nurs Adm** 1981 Apr;11(4):34–9
Working together: a positive experience in service-education collaboration. Poulin MA, et al. **J Nurs Adm** 1981 Nov–Dec;11(11–12):44–8
Structured experiential learning exercises: a facilitation to more effective learning in clinical settings. Brockhaus JP, et al. **J Psychosoc Nurs Ment Health Serv** 1981 Oct; 19(10):27–32
Towards the reality of the primary health care team: an educational approach. Brooks D, et al. **J R Coll Gen Pract** 1981 Aug;31(229):491–5
Effectiveness of a community program to promote early breast cancer detection. Boyle M, et al. **J Surg Oncol** 1981; 18(2):183–8
Advocacy-a tool for radical nursing curriculum planners. Jones EW. **JNE** 1982 Jan;21(1):40–5
Moral development: a prerequisite. Munhall PL. **JNE** 1982 Jun;21(6):11–5
New direction [letter] Fuentes B. **Nurs Outlook** 1981 Oct; 29(10):558–9
In quest of the perfect test. Okolowski RS, et al. **Nurs Outlook** 1981 Oct;29(10):579–81
The integrated curriculum from a developmental perspective. Smith EC. **Nurs Outlook** 1981 Oct;29(10):577–8
Program articulation: what it is and what it is not. Stevens BJ. **Nurs Outlook** 1981 Dec;29(12):700–6
Survey of cancer content and utilization of resources in curricula of Illinois schools of nursing. Stewart M, et al. **Prog Clin Biol Res** 1982;83:485–98
[Training in gynecologic-obstetrical nursing] Uhlíř M, et al. **Cesk Gynekol** 1982 Jun;47(5):321–3 (Cze)

ECONOMICS

Capitol report: money and politics. Johnson J. **Nurse Pract** 1981 Sep-Oct;6(5):9, 57

HISTORY

Mrs. Chase: a noble and enduring figure. Herrmann EK. **Am J Nurs** 1981 Oct;81(10):1836
Educational problems in a woman's profession. Bullough B, et al. **JNE** 1981 Sep;20(7):6-17 (50 ref.)

LEGISLATION & JURISPRUDENCE

Washington scene: what lies ahead in '82? Verville RE. **AANA J** 1982 Feb;50(1):84-6

STANDARDS

Standardized education for nursing. Nichols B. **Am J Hosp Pharm** 1981 Oct;38(10):1455-8
You can't generalize about competency from nursing degrees. Gatch G. **AORN J** 1981 Dec;34(6):1004-6
Clinical instruction in nursing: a national survey. Meleca CB, et al. **JNE** 1981 Oct;20(8):32-40
Toward a new psychology for nurses. Whitman M. **Nurs Outlook** 1982 Jan;30(1):48-52
The effects of nursing education on job effectiveness: an overview of the literature. McCloskey JC. **Res Nurs Health** 1981 Dec;4(4):355-73

TRENDS

Nursing unification in principal teaching hospitals. Allison RF. **Health Care Manage Rev** 1981 Summer;6(3):55-61
Frontiers of nursing in the 21st century: lessons from the past and present for future directions in nursing education. Cox C. **Int J Nurs Stud** 1982;19(1):1-9
Innovation, change, decision-making, and the key variables in nursing curriculum implementation. Greaves F. **Int J Nurs Stud** 1982;19(1):11-9
Technology and nursing education: a scenario for 1990. Ackerman WB. **J Adv Nurs** 1982 Jan;7(1):59-68
Feminine attributes in a masculine world. Pinch WJ. **Nurs Outlook** 1981 Oct;29(10):596-9

EDUCATION, NURSING, ASSOCIATE

Providing preceptors for nursing students: what questions should you ask? Limón S, et al. **J Nurs Adm** 1982 Jun; 12(6):16-9
Keeping students successful: an interdisciplinary approach. Lambert J, et al. **JNE** 1981 Sep;20(7):18-22

STANDARDS

Concurrent validity of ACT-PEP and NLN achievement tests: a pilot study. Barhyte DY, et al. **JNE** 1981 Sep; 20(7):37-41
Associated degree nursing: faculty preparation and commitment. Heller BR. **Nurs Outlook** 1982 May; 30(5):310-1

TRENDS

Associate degree nursing: implications for the 1980s and beyond. Huber ML. **JNE** 1982 Jun;21(6):24-33

EDUCATION, NURSING, BACCALAUREATE

Student experiences in surgical day care. Dresen SE. **Am J Nurs** 1982 Jan;82(1):104-7
Reality shock in reverse. Higgins PG, et al. **Am J Nurs** 1981 Nov;81(11):2062-3
Churches as settings for teaching physical assessment. Nappy JE. **Am J Nurs** 1982 Aug;82(8):1235-6
BSN doors are opening for RN students. Nayer DD. **Am J Nurs** 1981 Nov;81(11):2056-64
An externship in OR nursing. Johnson MC. **AORN J** 1982 Aug;36(2):260-7
From RN to BSN: pursuing the degree. Sullivan TJ. **AORN J** 1981 Dec;34(6):1050-7
Controversy over clinical competencies. Canfield AB. **Heart Lung** 1982 May-Jun;11(3):197-9
Nurse-extern program eases 'reality shock' for new staff nurses. Edwards R, et al. **Hospitals** 1982 Jan 1;56(1):42
Foreign nursing students in the USA: problems in their educational experiences. Abu-Saad H, et al. **J Adv Nurs** 1981 Sep;6(5):397-403
Unifying education and practice: one medical center's design. Part 2. Sovie MD. **J Nurs Adm** 1981 Feb;11(2):30-2
Rules of Thumb: Hints for the psychiatric nursing student. Karshmer JF. **J Psychosoc Nurs Ment Health Serv** 1982 Mar;20(3):25-8
Public schools as a clinical experience for nursing students. Schmidt CK. **J Sch Health** 1981 Sep;51(8):492-5
Health education in baccalaureate nursing curriculum: myth or reality? Ackerman AM, et al. **JNE** 1982 Jan;21(1):15-22
One approach to teaching cultural similarities and differences. Baker CM, et al. **JNE** 1982 Apr;21(4):17-22
The effect of freedom on the learning of gifted nursing students. Becktell PJ. **JNE** 1981 Nov;20(9):24-30
The West Virginia Plan: a portrait of curriculum development. Borgman MF, et al. **JNE** 1981 Nov; 20(9):37-44
Faculty and student perceptions of effective clinical teachers. Brown ST. **JNE** 1981 Nov;20(9):4-15
Self-actualization and professional socialization of nursing students in the clinical laboratory experience. Cotanch PH. **JNE** 1981 Oct;20(8):4-14
Role transition: a practicum for baccalaureate nursing students. Dear MR, et al. **JNE** 1982 Feb;21(2):32-7
Client assessment: an integrated model. Hill L, et al. **JNE** 1981 Nov;20(9):16-23
Evaluating a curriculum. Koehler ML. **JNE** 1982 Jan; 21(1):32-9
Development and implementation of a contract grading system. Kruse LC, et al. **JNE** 1982 May;21(5):31-7
Teaching psychiatric/mental health nursing via the contract for learning activities. Lord AS, et al. **JNE** 1982 Apr; 21(4):23-8
The use of case studies in bioethics courses. Mitchell JJ Jr. **JNE** 1981 Nov;20(9):31-6
Strategies for faculty: teaching the RN student in a BSN program. Parlocha P, et al. **JNE** 1982 May;21(5):22-5
Experience in posology. Ptaszynski EM, et al. **JNE** 1981 Oct; 20(8):41-6
Organizing approaches used in curriculum design. Quiring J, et al. **JNE** 1982 Feb;21(2):38-44
Development and validation of a trigger tape on therapeutic communication. Smith IK, et al. **JNE** 1982 Apr;21(4):42-7
On promoting creativity. Stafford L. **JNE** 1981 Sep; 20(7):27-30
Geriatric and gerontology nursing curricular trends. Tollett SM, et al. **JNE** 1982 Jun;21(6):16-23
Interdisciplinarism: problems & promises. Turnbull EN. **JNE** 1982 Feb;21(2):24-31
Increasing spatial awareness in undergraduate nursing students: a viable concept. Tyler LW. **JNE** 1982 Apr; 21(4):12-6
Districting: an alternative community health experience. Andresen P, et al. **Nurs Outlook** 1981 Sep;29(9):528-30
Issues in competency-based testing. Benner P. **Nurs Outlook** 1982 May;30(5):303-9
Assessing the adequacy of clinical learning settings. Bevil CW, et al. **Nurs Outlook** 1981 Nov;29(11):658-61
Matching students with clinical experiences by computer. Ellis PJ. **Nurs Outlook** 1982 Jan;30(1):29-30
Quality assurance: an educational approach. Griffith NL, et al. **Nurs Outlook** 1981 Nov;29(11):670-3
The use of testing to modify curricula for RNs. Gross LC, et al. **Nurs Outlook** 1981 Sep;29(9):541-5
Accommodating RN students in baccalaureate nursing programs. Hale SL, et al. **Nurs Outlook** 1981 Sep; 29(9):535-40
Predictors of student success. Kissinger JF, et al. **Nurs Outlook** 1982 Jan;30(1):53-4
Health assessment skills in the baccalaureate program. Natapoff JN, et al. **Nurs Outlook** 1982 Jan;30(1):44-7
Establishment of a nursing clinic for faculty and student clinical practice. Ossler CC, et al. **Nurs Outlook** 1982 Jul-Aug;30(7):402-5
The challengers, interactors and mainstreamers: second step education and nursing roles. Little M, et al. **Nurs Res** 1982 Jul-Aug;31(4):239-45

MANPOWER

Sharing a faculty position. O'Kane PK, et al. **Nurs Outlook** 1982 Jul-Aug;30(7):411-3

STANDARDS

Follow-up study of the Tel Aviv University nursing graduates. Bergman R, et al. **Int J Nurs Stud** 1982; 19(2):79-88
Educators, employees, and new graduates define essential skills for baccalaureate graduates. Sweeney MA, et al. **J Nurs Adm** 1982 Sep;12(9):36-42
The critical incident technique applied to the evaluation of the clinical practicum setting. Dachelet CZ, et al. **JNE** 1981 Oct;20(8):15-31
A multidimensional approach to evaluation. Dean PR, et al. **JNE** 1982 Feb;21(2):18-23
Contract grading in clinical evaluation. Schoolcraft V, et al. **JNE** 1982 Jan;21(1):6-14
Process evaluation: a second look at psychomotor skills. Sweeney MA, et al. **JNE** 1982 Feb;21(2):4-17
Strategies for dealing with students whose clinical performance is unsatisfactory. Welborn P, et al. **JNE** 1982 May;21(5):26-30

EDUCATION, NURSING, CONTINUING

Programmed unit in clinical nursing practice. Cox TR. **Am J Infect Control** 1982 May;10(2):62A-3A
A surgical orientation for obstetrical nurses. Doll BC. **AORN J** 1981 Nov;34(5):851-2
A regional course in OR nursing. Fitzpatrick CY, et al. **AORN J** 1982 Mar;35(4):735-42
Determining learning needs for OR staff. Merrill S. **AORN J** 1981 Jun;33(7):1232-3
OR instructor's notebook: a teaching plan for positioning. Merrill S. **AORN J** 1982 Jan;35(1):63-6
AORN consultants offer assistance on education questions. Merrill S. **AORN J** 1982 Mar;35(4):640-2
From RN to BSN: pursuing the degree. Sullivan TJ. **AORN J** 1981 Dec;34(6):1050-7
Nursing administration program expands. Boulerice M. **Dimens Health Serv** 1982 May;59(5):40
Nursing education, self-taught. Cook R. **Dimens Health Serv** 1982 Apr;59(4):36-7
Meeting the challenge of critical care nursing. Jackson T, et al. **Dimens Health Serv** 1981 Aug;58(8):20-1
The effect of inservice education provided by consultant pharmacists on the behavior of nurses in long-term care facilities. Westfall LK, et al. **Drug Intell Clin Pharm** 1981 Oct;15(10):777-81
Use of the pulmonary arterial catheter in the critically ill patient. Bodai BI, et al. **Heart Lung** 1982 Sep-Oct; 11(5):406-16
Understanding starvation in the critically ill patient. Stotts NA, et al. **Heart Lung** 1982 Sep-Oct;11(5):469-78
The educational needs of coronary care nurses ten years later. Torrez MR. **Heart Lung** 1982 Jan-Feb;11(1):24-5
Role, selection and preparation of unit head nurses--III. Bergman R, et al. **Int J Nurs Stud** 1981;18(4):237-50
Implementing a competency-based orientation program. del Bueno DJ, et al. **J Nurs Adm** 1981 Feb;11(2):24-9
An educational forum for primary nurses. Kleinberg D. **J Nurs Adm** 1981 Apr;11(4):10
Assisting nurses toward professional growth: a career development model. Kleinknecht MK, et al. **J Nurs Adm** 1982 Jul-Aug;12(7-8):30-6
Trainers' workshop for internal OHNC course part 1. The ICI experience. Deacon SP, et al. **J Soc Occup Med** 1981 Oct;31(4):171-2
Nursing continuing education: California to Texas via teleconference. Graham LE, et al. **JNE** 1982 Feb;21(2):45-7
Faculty development in nursing education: a teaching consultation service. Sorcinelli MD, et al. **JNE** 1982 Apr; 21(4):35-41
An in-house program of continuing education for perinatal nurses. Pirong GG, et al. **JOGN Nurs** 1982 Mar-Apr; 11(2):109-11
Nursing fellowship opportunities for advanced studies. Detherage KS, et al. **Nurs Outlook** 1982 Feb;30(2):115-21
When former students fail state boards. Kopala B, et al. **Nurs Outlook** 1982 May;30(5):314-7
Discovering resources for continuing education. Presler EP, et al. **Nurs Outlook** 1982 Sep-Oct;30(8):454-8
Development of a statewide network for professional education. Arenth L. **Prog Clin Biol Res** 1981;57:163-6
Primary health care nurse training in Kwazulu. An evaluation of diagnostic flow charts versus a conventional training method. Solarsh G, et al. **S Afr Med J** 1982 Jul 17; 62(3):100-4
[The continuing education in specialist intensive care from a surgical viewpoint] Encke A. **Chirurg** 1982 Feb;53(2):16-8 **(Ger)**

ECONOMICS

Nursing fellowship opportunities for advanced studies. Detherage KS, et al. **Nurs Outlook** 1982 Feb;30(2):115-21

HISTORY

The continuing nursing education and adult education movements in the United States. Schor I. **Nurs Forum** 1981; 20(1):87-101

LEGISLATION & JURISPRUDENCE

Continuing education. Can it be legislated? Eichhorn E. **Nurs Forum** 1981;20(1):102-8

STANDARDS

Approval process aids in planning effective education offerings. Stiles P. **AORN J** 1982 Aug;36(2):172-5
Tests give answers about effectiveness of inservice programs. Stiles P. **AORN J** 1981 Nov;34(5):811-2

TRENDS

Future trends in post-basic nursing education. Conway-Rutkowski B. **JNE** 1982 Jun;21(6):5-10

EDUCATION, NURSING, DIPLOMA PROGRAMS

Hospital nursing school turns to television ads to increase enrollment. **Hospitals** 1982 Mar 16;56(6):60
Effects of nursing education on attitudes of nursing students toward dying patients in the Nigerian sociocultural environment. Jinadu MK, et al. **Int J Nurs Stud** 1982; 19(1):21-7
Variables important in the selection of New Zealand nurses: implementation and evaluation of a multivariate selection technique. Long NR, et al. **Int J Nurs Stud** 1981; 18(4):227-35
The reliability and validity of rating scales in assessing the clinical progress of psychiatric nursing students. Squier RW. **Int J Nurs Stud** 1981;18(3):157-69
The selection and organization of curricular experience in nursing. Wong J, et al. **J Adv Nurs** 1981 Sep;6(5):391-6
Teaching nursing in China--an exchange program. Dirschel KM. **Nurs Outlook** 1981 Dec;29(12):722-5

TRENDS

Priorities in nurse education. Clough F. **R Soc Health J** 1981 Oct;101(5):196–9

EDUCATION, NURSING, GRADUATE

Nursing theory and scholarliness in the doctoral program. Meleis AI, et al. **ANS** 1981 Oct;4(1):31–41

The preparation of primary care nurse practitioners. Booth RZ. **Int Nurs Rev** 1981 Jul–Aug;28(4):110–3, 115

Psychiatric–mental health nursing: an Iowa update. Kerfoot KM, et al. **J Iowa Med Soc** 1982 Feb;72(2):62–5

Practical suggestions for applying to doctoral programs. Binger JL. **J Nurs Adm** 1981 Nov–Dec;11(11–12):40–3

Clinical components in graduate programs in nursing. Connelly CE. **JNE** 1981 Sep;20(7):31–6

Teaching biomedical science. Dubin LF. **JNE** 1982 May; 21(5):38–42

Shining brightly [letter] **Nurs Outlook** 1982 Mar;30(3):150–1

Synthesis of public health science and nursing science. Archer SE. **Nurs Outlook** 1982 Sep–Oct;30(8):442–6

Faculty role modeling. Archer SE, et al. **Nurs Outlook** 1981 Oct;29(10):586–9

Public health nursing practice – an educator's view. Barkauskas VH. **Nurs Outlook** 1982 Jul–Aug;30(7):384–9

A student's perspective on the doctoral dilemma. Gorney–Fadiman MJ. **Nurs Outlook** 1981 Nov; 29(11):650–4

Mentorship for scholarliness: opportunities and dilemmas. May KM, et al. **Nurs Outlook** 1982 Jan;30(1):22–8

A doctorate––necessary but not sufficient. Perry SE. **Nurs Outlook** 1982 Feb;30(2):95–8

Nursing education for college graduates. Slavinsky AT, et al. **Nurs Outlook** 1982 May;30(5):292–7

The National Research Service Awards with emphasis on the mentor relationship. Conway ME. **Nurs Res** 1981 Nov–Dec;30(6):376–8

Discriminant analysis to predict graduation––nongraduation in a master's degree program in nursing. Tripp A, et al. **Res Nurs Health** 1981 Dec;4(4):345–53

STANDARDS

Comparison of psychiatric–mental health nursing education objectives: consumers, educators, and practitioners. Mansfield E, et al. **J Psychosoc Nurs Ment Health Serv** 1982 May;20(5):29–36

TRENDS

Doctoral education in, of, and for nursing: an historical analysis. Murphy JF. **Nurs Outlook** 1981 Nov;29(11):645–9

EDUCATION OF MENTALLY DEFECTIVE see EDUCATION OF MENTALLY RETARDED

EDUCATION OF MENTALLY RETARDED

Effects of camera cuts and music on selective attention and verbal and motor imitation by mentally retarded adults. Gadberry S, et al. **Am J Ment Defic** 1981 Nov;86(3):309–16

Effects of strategy training on the free–recall performance of mildly and moderately mentally retarded adolescents. Hamre–Nietupski S, et al. **Am J Ment Defic** 1982 Jan; 86(4):421–4

Use of independence training to teach shopping skills to mildly mentally retarded adults. Matson JL. **Am J Ment Defic** 1981 Sep;86(2):178–83

Stimulus overselectivity by mentally retarded adolescents: effects of pretraining on cue identification. Meisel CJ. **Am J Ment Defic** 1981 Nov;86(3):317–22

Effects of the advance organizer with oral and written presentation on recall and inference of EMR adolescents. Peleg ZR, et al. **Am J Ment Defic** 1982 May;86(6):621–6

Teacher feedback to mentally retarded and nonretarded children. Raber SM, et al. **Am J Ment Defic** 1981 Sep; 86(2):148–56

A group response–cost system mediated by free tokens: an alternative to token reinforcement. Salend SJ, et al. **Am J Ment Defic** 1981 Sep;86(2):184–7

Intraclassroom comparison of two arrangements for teaching profoundly mentally retarded children. Westling DL, et al. **Am J Ment Defic** 1982 May;86(6):601–8

Control of disruptive behavior by manipulation of reinforcement density and item difficulty subsequent to errors. Altman K, et al. **Appl Res Ment Retard** 1980; 1(3–4):193–208

Teaching addition and subtraction to mentally retarded children: a self–instruction program. Johnston MB, et al. **Appl Res Ment Retard** 1980;1(3–4):141–60

Training procedures for acquisition and retention of reading in retarded youth. McGee GG, et al. **Appl Res Ment Retard** 1981;2(3):263–76

A comparison of leisure skills training procedures for the mentally retarded. Matson JL, et al. **Appl Res Ment Retard** 1980;1(1–2):113–22

Generalization and maintenance of skills acquired in Non–Speech Language Initiation Program training. Porter PB, et al. **Appl Res Ment Retard** 1980;1(1–2):71–84

Correspondence between effectiveness and staff use of instructions for severely retarded persons. Repp AC, et al. **Appl Res Ment Retard** 1981;2(3):237–45

An analysis of self–assessment and self–reinforcement in a self–managed token economy with mentally retarded children. Shapiro ES, et al. **Appl Res Ment Retard** 1980; 1(3–4):227–40

A program for teaching behavior modification skills to institutional staff. Watson LS Jr, et al. **Appl Res Ment Retard** 1980;1(1–2):41–53

Independence training as a method of enhancing self–help skills acquisition of the mentally retarded. Matson JL, et al. **Behav Res Ther** 1981;19(5):399–405

Structured play for pre–school mentally–handicapped children: a replication. Reeler AP, et al. **Cent Afr J Med** 1982 Feb;28(2):32–6

Abbreviated procedure for obtaining sum scores on the Adaptive Behavior Scale. Roszkowski MJ, et al. **Except Child** 1981 Nov;48(3):265–7

An analysis of the Forum: Issues in education of the severely and profoundly retarded. Tawney JW, et al. **Except Child** 1981 Sep;48(1):5–21

Rehabilitation of the mentally handicapped in India. Sinclair S. **Indian J Pediatr** 1981 Nov–Dec;48(395):715–20

New horizons in education for the mentally handicapped. Sinclair S. **Indian Pediatr** 1981 Dec;18(12):859–62

Activity group failure: verbal group therapy success in a special education program. Moore CL. **Int J Group Psychother** 1981 Apr;31(2):223–31

Investigation on housing and activities of mentally handicapped young persons and adults. Favez F. **Int J Rehabil Res** 1981;4(2):215–7

Self–instructional training – an aid to the severely mentally retarded? Lauth G. **Int J Rehabil Res** 1981;4(2):218–20

Job enrichment and the mentally retarded worker. Morris JL, et al. **Int J Rehabil Res** 1981;4(2):217–8

Teaching a parent to train a spouse in child management techniques. Adubato SA, et al. **J Appl Behav Anal** 1981 Summer;14(2):193–205

Involving institutional staff in the development and maintenance of sign language skills with profoundly retarded persons. Faw GD, et al. **J Appl Behav Anal** 1981 Winter;14(4):411–23

Teachers' generalized use of delay as a stimulus control procedure to increase language use in handicapped children. Halle JW, et al. **J Appl Behav Anal** 1981 Winter; 14(4):389–409

Normal children as tutors to teach social responses to withdrawn mentally retarded schoolmates: training, maintenance, and generalization. Lancioni GE. **J Appl Behav Anal** 1982 Spring;15(1):17–40

The relation of food quantity to rumination behavior. Rast J, et al. **J Appl Behav Anal** 1981 Summer;14(2):121–30

Teaching leisure skills to severely handicapped adults: an age–appropriate darts game. Schleien SJ, et al. **J Appl Behav Anal** 1981 Winter;14(4):513–9

Effects of spaced responding DRL on the stereotyped behavior of profoundly retarded persons. Singh NN, et al. **J Appl Behav Anal** 1981 Winter;14(4):521–6

Training and generalization of laundry skills: a multiple probe evaluation with handicapped persons. Thompson TJ, et al. **J Appl Behav Anal** 1982 Spring;15(1):177–82

Treatment of food refusal by the overcorrective functional movement training method. Duker PC. **J Behav Ther Exp Psychiatry** 1981 Dec;12(4):337–40

Reduction of aggressive behavior in a retarded boy using a water squirt. Gross AM, et al. **J Behav Ther Exp Psychiatry** 1982 Mar;13(1):95–8

Automatic detection and modification of aberrant behaviors: two case studies. Leboeuf A, et al. **J Behav Ther Exp Psychiatry** 1981 Jun;12(2):153–7

Reducing chronic drooling in a retarded female using a multi–treatment package. Thorbecke PJ, et al. **J Behav Ther Exp Psychiatry** 1982 Mar;13(1):89–93

Treatment of a retarded adult's mannequin phobia through in vivo desensitization and shaping approach responses. Waranch HR, et al. **J Behav Ther Exp Psychiatry** 1981 Dec;12(4):359–62

Changes in IQ, environmental and individual factors: a follow–up study of educable mentally retarded children. Svendsen D. **J Child Psychol Psychiatry** 1982 Jan; 23(1):69–74

Teaching awareness of strategic behavior in combination with strategy training: effects on children's memory performance. Kramer JJ, et al. **J Exp Child Psychol** 1981 Dec;32(3):513–30

Reliability in the use of the Tennessee Self–Concept Scale for educable mentally retarded adolescents. Lund NL, et al. **J Psychol** 1981 Nov;109(Second Half):205–11

Mainstreaming at the early childhood level: current and future perspectives. Blacher–Dixon J, et al. **Ment Retard** 1981 Oct;19(5):235–41 (43 ref.)

Integrating a Down's syndrome child in a classwide peer tutoring system: a case report. Cooke NL, et al. **Ment Retard** 1982 Feb;20(1):22–5

Treatment of spelling deficits in mentally retarded children. Matson JL, et al. **Ment Retard** 1982 Apr;20(2):76–81

Group versus individual training in establishing generalization of language skills with severely handicapped individuals. Oliver PR, et al. **Ment Retard** 1981 Dec; 19(6):285–9

Behavioral weight reduction procedures for obese mentally retarded individuals: a review. Rotatori A, et al. **Ment Retard** 1981 Aug;19(4):157–61

A program for developing professional services at a residential institution. Ulrey G, et al. **Ment Retard** 1981 Aug;19(4):163–7

Time compressed speech and the listening comprehension of educable mentally retarded students. Zucker SH, et al. **Ment Retard** 1981 Aug;19(4):177–9

Effects of social reinforcement on motor performance of trainable retarded students on speed and persistence tasks. Heitman RJ, et al. **Percept Mot Skills** 1982 Apr;54(2):391–4

Reasons for staff turnover at a summer camp for mentally retarded children and adults. Osborne N, et al. **Percept Mot Skills** 1982 Jun;54(3 Pt 2):1062

Operant conditioning of mental retardates' visual monitoring. Perryman RE, et al. **Percept Mot Skills** 1981 Oct; 53(2):507–12

Free time as a reinforcer for on–task behavior in a special education classroom. Couch JV, et al. **Psychol Rep** 1981 Apr;48(2):369–70

Aversive control of bruxism in a mentally retarded child: a case study. Kramer JJ. **Psychol Rep** 1981 Dec;49(3):815–8

The changing–criterion design: assessment of running behavior of a handicapped youth. Morgan RL, et al. **Psychol Rep** 1982 Jun;50(3 Pt 2):1287–93

Factor structure of the Henderson Environmental Learning Process Scale. Silverstein AB, et al. **Psychol Rep** 1982 Jun; 50(3 Pt 1):856–8

Assessment of relationship among measures of social competence and cognition in educable mentally retarded–emotionally disturbed students. Wolf TM, et al. **Psychol Rep** 1982 Jun;50(3 Pt 1):695–700

Caught in the mainstream: the severely and profoundly retarded learner and the least restrictive environment. Icabone DG, et al. **Rehabil Lit** 1982 Mar–Apr; 43(3–4):66–71

The significance of prospective longitudinal study of somato–psychic development in infant–juvenile period in mental debilities. Pirozynski T, et al. **Rev Med Chir Soc Med Nat Iasi** 1981 Apr–Jun;85(2):289–92

Education without understanding? McConkey R. **Spec Educ Forward Trends** 1981 Sep;8(3):8–10

Social integration of school age ESN(S) children in a regular school. Rose CD. **Spec Educ Forward Trends** 1981 Dec; 8(4):17–22

Starting a special school in Indonesia. Truscott F. **Spec Educ Forward Trends** 1981 Dec;8(4):28

Activities to help communication. Watson J. **Spec Educ Forward Trends** 1982 Mar;9(1):35–6

[Gamma globulin as a prophylactic measure in an outbreak of hepatitis A in an institution for mentally retarded children (author's transl)] Hofmann H, et al. **Wien Klin Wochenschr** 1981 Oct 2;93(18):584–7 (Eng. Abstr.) **(Ger)**

[Effects of various kinds of trainings on the discrimination learning in mental retarded children (author's transl)] Matsumura T. **Shinrigaku Kenkyu** 1981 Jun;52(2):120–3 (Eng. Abstr.) **(Jpn)**

ECONOMICS

The right to humane treatment: where has it gone? Braun P. **J Clin Psychopharmacol** 1981 Sep;1(5):325–7

STANDARDS

Relationship of state educational criteria and demographic variables to school–system prevalence of mental retardation. Patrick JL, et al. **Am J Ment Defic** 1982 Jan; 86(4):351–60

TRENDS

Mainstreaming: fulfilling the promise? Gottlieb J. **Am J Ment Defic** 1981 Sep;86(2):115–26

A survey of sexual attitudes and sex education programs among facilities for the mentally retarded. Coleman EM, et al. **Appl Res Ment Retard** 1980;1(3–4):269–76

Teaching generative grammar to mentally retarded children: A review and analysis of a decade of behavioral research. Welch SJ. **Ment Retard** 1981 Dec;19(6):277–84 (25 ref.)

A new outlook with the computer. Rostron A, et al. **Spec Educ Forward Trends** 1981 Dec;8(4):29–31

EDUCATION OF PATIENTS see PATIENT EDUCATION

EDUCATION, PHARMACY

Structured competency–based hospital pharmacy internship program. Bair JN, et al. **Am J Hosp Pharm** :981 Nov; 38(11):1705–8

Pharmaceutical education in perspective. Brodie DC. **Am J Hosp Pharm** 1982 Apr;39(4):587–94

Pharmaceutical education revisited [editorial] Zellmer WA. **Am J Hosp Pharm** 1982 Apr;39(4):585

Students learn about drug abuse. Coster JM. **Am Pharm** 1981 Sep;21(9):54–5

The basic undergraduate nuclear pharmacy program. Coupal JJ. **Am Pharm** 1981 Oct;21(10):40

Research by academic clinical pharmacists. Powell JR. **Drug Intell Clin Pharm** 1982 Feb;16(2):154–6

Preceptors' views of community pharmacy clerkships: a national survey. Tannenbaum RP, et al. **Drug Intell Clin Pharm** 1981 Oct;15(10):766–74

Pharmacists' tasks, skills and attributes. Their professional importance and desirable teaching environment in the Australian state of Tasmania. Roberts MS, et al.

J Clin Hosp Pharm 1981 Mar;6(1):11–25
Teaching pediatric infectious diseases to medical, pharmacy, and nursing students during monthly rotations. Nahata MC, et al. **J Med Educ** 1982 Aug;57(8):640–1
Current trends in pharmacy education. Hancox D. **NZ Med J** 1982 Feb 24;95(702):121–2
Health knowledge of pharmacy students. Fendley C, et al. **Psychol Rep** 1981 Dec;49(3):849–50
[Use of the young patient in a modern pharmacy] Chánová H. **Cesk Farm** 1981 Sep;30(7):248–9 **(Cze)**
[The scientific world view on the training and practice activity of pharmacists] Sommer J. **Cesk Farm** 1982 Jan; 31(1):2–4 **(Cze)**
[Pharmacy education and the curriculum] Solich J, et al. **Cesk Zdrav** 1981 Sep;29(8–9):325–31 (Eng. Abstr.) **(Cze)**

ORGANIZATION & ADMINISTRATION

The development of a regional scheme for preregistration training in hospital. Greene RJ, et al. **J Clin Hosp Pharm** 1981 Jun;6(2):77–91

STANDARDS

Professionalisation: the case of pharmacy in Ghana. Bennell P. **Soc Sci Med** 1982;16(5):601–7

TRENDS

A matter of degrees. Rodowskas CA Jr. **Drug Intell Clin Pharm** 1982 Jul–Aug;16(7–8):607–12

EDUCATION, PHARMACY, CONTINUING

Continuing education: continuing competence or legal compliance? Johnson VB. **Am Pharm** 1981 Sep;21(9):8–9
Utilizing teaching modules in conjunction with hospital pharmacy standards [letter] Gumpert NF. **Drug Intell Clin Pharm** 1982 Mar;16(3):253–5
Pharmacists' knowledge in the area of alcohol, and alcohol and drug interactions. Barnes GE, et al. **Soc Sci Med [a]** 1981 Sep;15(5):649–57
[Elaboration and development of a family planning program for pharmacists in Mexico] Gutiérrez Martínez C, et al. **Salud Publica Mex** 1981 Jul–Aug;23(4):405–11 (Eng. Abstr.) **(Spa)**

ECONOMICS

Continuing education support as a fringe benefit. Herbert W., et al. **Am J Hosp Pharm** 1982 May;39(5):852–3
Tax deductions allowed for CE. **Am Pharm** 1981 Oct; 21(10):51
How to plan for cost effective continuing education. Jobe BD. **Am Pharm** 1981 Oct;21(10):50–2

LEGISLATION & JURISPRUDENCE

Legality of mandatory continuing professional education. Fink JL 3d. **Am J Hosp Pharm** 1981 Nov;38(11):1768–74

STANDARDS

[Raising the qualifications of physicians and pharmacists, employees of the Soviet Army and Naval Fleet] Chentsov IuI. **Voen Med Zh** 1981 Oct;(10):25–7 **(Rus)**

EDUCATION, PHARMACY, GRADUATE

Residency in mental–health pharmacy with a research component. Little MJ, et al. **Am J Hosp Pharm** 1982 Jun; 39(6):1021–5
Locus of control dimensions among senior pharmacy students electing post–Pharm.D. residencies. Gourley DR, et al. **Drug Intell Clin Pharm** 1981 Jan;15(1):43–8
Fellowship training for clinical pharmacists in family practice. Helling DK, et al. **J Fam Pract** 1982 Sep;15(3):562, 564
The diploma in pharmaceutical medicine. Bax RP, et al. **J R Coll Physicians Lond** 1982 Apr;16(2):105–6
Evaluation of a toxicologic controversy in a clinical toxicology course. Czajka PA. **Vet Hum Toxicol** 1981 Apr; 23(2):108–9

ECONOMICS

Salaries and benefits received by pharmacy residents. Jeffrey LP, et al. **Am J Hosp Pharm** 1981 Oct;38(10):1521–2
Postgraduate pharmacy fellowships. Kaul AF, et al. **Drug Intell Clin Pharm** 1981 Dec;15(12):981–5

STANDARDS

ASHP supplemental standard and learning objectives for residency training in oncology pharmacy practice. **Am J Hosp Pharm** 1982 Jul;39(7):1214–5
ASHP accreditation standard for residency training in nuclear pharmacy (with guide to interpretation). Hladik W, et al. **Am J Hosp Pharm** 1981 Dec;38(12):1964–71
ASHP supplemental standard and learning objectives for residency training in nutritional support pharmacy practice. Vanderveen T, et al. **Am J Hosp Pharm** 1981 Dec; 38(12):1971–3
Nuclear pharmacy PhD programs. Ice RD, et al. **Am Pharm** 1981 Oct;21(10):44–5
The Master of Science in radiopharmacy. Wolf W, et al. **Am Pharm** 1981 Oct;21(10):41–3

EDUCATION, PREDENTAL

UCLA's professional school seminar for general campus students. Ting GK. **J Am Coll Dent** 1982 Spring;49(1):11–3
A predental career program in a postgraduate institution. Jensen OE, et al. **J Dent Educ** 1982 Jun;46(6):323–5
College major and its relation to performance in dental school and on licensing examinations. Waldman HB. **J Dent Educ** 1982 Mar;46(3):163–5

EDUCATION, PREMEDICAL

Lack of impact of undergraduate genetic courses on the teaching of medical genetics. Steele MW, et al. **Am J Hum Genet** 1982 May;34(3):501–6
Predicting first professional M.B.B.S. examination score from the results of H.S.C. examination. Islam S, et al. **Bangladesh Med Res Counc Bull** 1980 Dec;6(2):61–72
Family practice as a specialty choice: effect of premedical and medical education. Brearley WD, et al. **J Med Educ** 1982 Jun;57(6):449–54
Premedical internship in Arizona. Corder B, et al. **J Med Educ** 1981 Jun;56(6):527
The Med–COR study: preparing high school students for health careers. Davis JA, et al. **J Med Educ** 1982 Jul; 57(7):527–34
Admission data: their use in health planning, legislative presentations, and premedical programs. Krowka MJ, et al. **J Med Educ** 1981 Sep;56(9 Pt 1):777–9
Concerning the appropriate preparation for medical education [editorial] Reader GG. **J Med Educ** 1982 Jun; 57(6):493–4
Influence of the MCAT on Premedical curricula [letter] Markel H, et al. **JAMA** 1982 Apr 23;247(16):2232–3
Premedical training, personal characteristics and performance in medical school. Herman MW, et al. **Med Educ** 1981 Nov;15(6):363–7

TRENDS

An analysis of the human genetics content of 13 general biology textbooks. Mertens TR, et al. **J Hered** 1981 Sep–Oct;72(5):364–8
Liberal arts in pre–medical education. Cohn JH. **J Med Assoc State Ala** 1982 May;51(11):41–2

EDUCATION, PROFESSIONAL, RETRAINING see under **EDUCATION, CONTINUING**

EDUCATION, SPECIAL

Characteristics of teachers of emotionally disturbed adolescents. Algozzine B, et al. **Adolescence** 1982 Spring; 17(65):167–75
Symposium on research and utilization of educational media for teaching the deaf. Hearing–impaired learner with special needs. **Am Ann Deaf** 1981 Sep;126(6):563–788
Roster of members of the Convention of American Instructors of the Deaf 1981. **Am Ann Deaf** 1981 Aug; 126(5):540–55
Roster of educators of the deaf 1982. **Am Ann Deaf** 1982 Apr;127(2):249–77
EPIC Experimental project in instructional concentration. Report of a study of the influence of intensifying instruction for elementary–school age deaf children. Central Institute for the Deaf, St. Louis, Missouri. **Am Ann Deaf** 1981 Nov; 126(8):867–974
Assessment of multiply handicapped deaf students for program development. Arkell C. **Am Ann Deaf** 1981 Aug; 126(5):526–32
Structure of Canadian instructional systems for the hearing impaired. Boyd J. **Am Ann Deaf** 1982 Apr;127(2):74–9
Utilization of technology in the education of the deaf–blind. Bravin PW. **Am Ann Deaf** 1981 Sep;126(6):707–14
EPIC Experimental project in instructional concentration. Genesis of the project. Calvert DR. **Am Ann Deaf** 1981 Nov;126(8):869–71
The instructional technologist and hearing–impaired learner: determining a need for professional development support. Carroll J. **Am Ann Deaf** 1982 Jun;127(3):365–8
Media for ability, not disability. Chapman D. **Am Ann Deaf** 1981 Sep;126(6):612–8
The many uses of Apple computers at the Western Pennsylvania School for the Deaf. Comden T. **Am Ann Deaf** 1981 Sep;126(6):591–9
Lens curve instructional media. Coyle PG. **Am Ann Deaf** 1981 Sep;126(6):747–50
Facilitating readiness skills and early communication in developmentally delayed deaf students. Dierksen CA, et al. **Am Ann Deaf** 1981 Sep;126(6):736–46
Creating instructional media to meet the needs of preschool hearing–impaired children with developmental disabilities. Evans JF. **Am Ann Deaf** 1981 Sep;126(6):689–702
Use of media in teaching the hearing–impaired student who has additional learning problems. Flores R. **Am Ann Deaf** 1981 Sep;126(6):662–8
EPIC. Experimental project in the instructional concentration. Evaluation and results. Geers AE, et al. **Am Ann Deaf** 1981 Nov;126(8):929–64
EPIC. Experimental project in instructional concentration. Design of the project. Geers AE. **Am Ann Deaf** 1981 Nov; 126(8):872–6
Dormitory language project. Gillette SW. **Am Ann Deaf** 1981 Sep;126(6):703–6
Report of communication method usage by teachers of deaf–blind children—Part IV. Jensema CK. **Am Ann Deaf** 1981 Oct;126(7):798–801
Report of communication method usage by teachers of deaf–blind children—Part III. Jensema CK. **Am Ann Deaf** 1981 Aug;126(5):488–91
Rationale and strategies for planning communication individualized education programs (CIEP) for deaf students. Johnson DD, et al. **Am Ann Deaf** 1981 May; 126(3):370–81
Hearing–impaired children and youth in Canada: student characteristics in relation to manual communication patterns in four special education settings. Karchmer MA, et al. **Am Ann Deaf** 1982 Apr;127(2):89–104
The use of a multi–image slide presentation and experiential strategies to enhance personal/social development of deaf students with developmental disabilities. Kessler MI. **Am Ann Deaf** 1981 Sep;126(6):727–30
Use of educational media in preparing 'gifted' hearing–impaired children for early mainstreaming. Lieding R. **Am Ann Deaf** 1981 Sep;126(6):607–11
An interdisciplinary approach to instructional media production. McLean BM, et al. **Am Ann Deaf** 1981 Sep; 126(6):669–74
Toward Development of a computer programming ability in deaf pre–high–school students: a pilot study. McLeod R Jr. **Am Ann Deaf** 1981 Dec;126(9):1010–6
A model for providing comprehensive speech services within a total communication program for the deaf. Miller MS. **Am Ann Deaf** 1981 Oct;126(7):803–5
EPIC. Experimental project in instructional concentration. Conclusions. Moog JS, et al. **Am Ann Deaf** 1981 Nov; 126(8):965–9
EPIC. Experimental project in instructional concentration. Instructional program. Moog JS. **Am Ann Deaf** 1981 Nov; 126(8):877–928
School–wide talented and gifted program for the deaf. Pollard G, et al. **Am Ann Deaf** 1981 Sep;126(6):600–6
Creative thinking and dance/movement skills of hearing–impaired youth: an experimental study. Reber R, et al. **Am Ann Deaf** 1981 Dec;126(9):1004–9
Teaching metaphor to deaf children. Rittenhouse RK, et al. **Am Ann Deaf** 1982 Feb;127(1):12–7
Metric education in schools for the deaf—are we ready? Robinson VJ. **Am Ann Deaf** 1981 Aug;126(5):533–5
Turned on poetry: creating poetic mood with media. Schmitt RJ, et al. **Am Ann Deaf** 1981 Sep;126(6):646–53
The acquisition of creative thought processes via the study of creative people. Shaw CC. **Am Ann Deaf** 1981 Sep; 126(6):675–80
How the use of media will develop the 'gift of gab' in gifted hearing–impaired students. Solomon J. **Am Ann Deaf** 1981 Sep;126(6):578–81
The hearing–impaired learner with special needs: introduction. Stepp RE Jr. **Am Ann Deaf** 1981 Sep; 126(6):570–1
Hearing–impaired learner with special needs: summary. Stepp RE Jr. **Am Ann Deaf** 1981 Sep;126(6):769–74
Communication modes used with hearing–impaired students: investigations and applications to a school/home program. Van Metre PD, et al. **Am Ann Deaf** 1981 Aug; 126(5):499–504
Comparison of the attitudes of physical education, recreation, and special education majors toward the disabled. Aufsesser PM. **Am Correct Ther J** 1982 Mar–Apr;36(2):35–41
Physical education training implications of a Public Law about handicapped children. Broadhead GD, et al. **Am Correct Ther J** 1982 Jan–Feb;36(1):9–13
From courthouse to schoolhouse: using the legal system to secure the right to an appropriate education. Bersoff DN. **Am J Orthopsychiatry** 1982 Jul;52(3):506–17
Labeling the learning disabled child: the social ecology of educational practice. Rist RC, et al. **Am J Orthopsychiatry** 1982 Jan;52(1):146–60
Educational intervention with multiply handicapped preschool children. Kaminer RK, et al. **Arch Phys Med Rehabil** 1982 Feb;63(2):82–6
Caring for school children with special needs. Worthington J. **Aust Fam Physician** 1981 Oct;10(10):806–7
Visual handicap in children. Bull M, et al. **Aust J Ophthalmol** 1982 May;10(2):107–13
A survey of referral problems to a psychiatric preschool program: patient characteristics and therapeutic considerations. Beitchman JH, et al. **Can J Psychiatry** 1981 Aug;26(5):323–9
Is an intervention program necessary in order to improve economically disadvantaged children's IQ scores? Zigler E, et al. **Child Dev** 1982 Apr;53(2):340–8
School involvement in the treatment of seizure disorders. Gadow KD. **Epilepsia** 1982 Apr;23(2):215–24
Special education services for normal children: better safe than sorry? Algozzine B, et al. **Except Child** 1981 Nov; 48(3):239–43
Educating handicapped migrants: issues and options. Barresi JG. **Except Child** 1982 Apr;48(6):473–88
Naturalistic observation of exceptional children: a response to Gitler and Gordon. Barton LE, et al. **Except Child** 1981

Nov;48(3):260–3
Noncategorical teacher preparation: problems and promises. Blackhurst AE. **Except Child** 1981 Nov;48(3):197–205
Principals' attitudes and knowledge about handicapped children. Cline R. **Except Child** 1981 Oct;48(2):172–4
Differential perceptions of role responsibilities among professionals in the public school. Crossland CL, et al. **Except Child** 1982 Apr;48(6):536–8
Concepts of learning and behavior disorders: implications for research and practice. Forness SR. **Except Child** 1981 Sep;48(1):56–64
A special education course with pediatric components. Freund JH, et al. **Except Child** 1982 Jan;48(4):348–51
Strategies to increase parent participation in IEP conferences. Goldstein S, et al. **Except Child** 1982 Jan;48(4):360–1
Pediatrics, special education, and handicapped children: new relationships. Guralnick MJ. **Except Child** 1982 Jan; 48(4):294–5
Noncategorical teacher training in a state with categorical certification requirements. Heward WL, et al. **Except Child** 1981 Nov;48(3):206–12
A noncategorical approach to direct service and teacher education. Idol-Maestas L, et al. **Except Child** 1981 Nov; 48(3):213–20
A policy study of P. L. 94–142. Joiner LM, et al. **Except Child** 1981 Sep;48(1):24–32
Effect of inservice training intensity on teachers' attitudes toward mainstreaming. Larrivee B. **Except Child** 1981 Sep; 48(1):34–9
Modifying teacher trainers' attitudes toward mainstreaming. Lombardi TP, et al. **Except Child** 1982 Apr;48(6):544–5
Effect of small-group instruction on language-delayed preschoolers. Lowenthal B. **Except Child** 1981 Oct; 48(2):178–9
Parents' role in the decision process. Lusthaus CS, et al. **Except Child** 1981 Nov;48(3):256–7
The ECS Interstate Migrant Education Project. Perry J. **Except Child** 1982 Apr;48(6):496–500
Compliance with Public Law 94–142 and consumer satisfaction. Polifka JC. **Except Child** 1981 Nov;48(3):250–3
A study of the implementation of Public Law 94–142 for handicapped migrant children. Pyecha JN, et al. **Except Child** 1982 Apr;48(6):490–5
Expanded use of captioned films for learning disabled students. Reilly SS, et al. **Except Child** 1982 Jan;48(4):361–3
Transfer of training: an overlooked component of mainstreaming programs. Rose TL, et al. **Except Child** 1981 Oct;48(2):175–7
Teachers' perceptions of competencies for instructing bilingual/multicultural exceptional children. Rueda RS, et al. **Except Child** 1981 Nov;48(3):268–70
Issues in the education of migrants and other mobile handicapped students. Sauer RA. **Except Child** 1982 Apr; 48(6):503–5
Teachers' and nonteachers' attitudes toward mainstreaming. Schmelkin LP. **Except Child** 1981 Sep;48(1):42–7
Status of due process hearings. Smith TE. **Except Child** 1981 Nov;48(3):232–6
Survey of special education coursework in school psychology training programs. Sullivan PD, et al. **Except Child** 1982 Apr;48(6):541–3
Due process hearing officers: characteristics, needs, and appointment criteria. Turnbull AP, et al. **Except Child** 1981 Sep;48(1):48–54
Extending the benefits of a demonstration program for handicapped preschool children to community based programs. Tymchuk AJ, et al. **Except Child** 1981 Sep; 48(1):70–2
Major developments and trends in deafness. Vernon M, et al. **Except Child** 1981 Nov;48(3):254–6
Judgment under uncertainty: how many children are handicapped? Ysseldyke JE, et al. **Except Child** 1982 Apr; 48(6):531–4
Factor structure of classroom behavior problems for mainstreamed and regular students. Larrivee B, et al. **J Abnorm Child Psychol** 1981 Sep;9(3):399–406
Parenting the autistic child. Dudziak D. **J Psychosoc Nurs Ment Health Serv** 1982 Jan;20(1):11–6
Effects of group and individual contingencies on academic performance and social relations of special needs students. Nevin A, et al. **J Soc Psychol** 1982 Feb;116(First Half):41–59
Educational rights of all handicapped children in Maryland. Clemmens RL, et al. **Md State Med J** 1982 Feb;31(2):32–4
Teachers' expectations for handicapped and non-handicapped children in mainstreamed physical education classes. Martinek TJ, et al. **Percept Mot Skills** 1981 Aug;53(1):327–30
Behavior modification, motivation, psychotherapy, and remedial teaching for children in a special class. Ney PG, et al. **Psychiatr J Univ Ottawa** 1982 Mar;7(1):13–9
Concerns of secondary students with a history of learning disabilities: a pilot study. Abelson AG, et al. **Psychol Rep** 1981 Aug;49(1):10
Specific perceptual remediation: effects related to sex, IQ, and parents' occupational status; behavioral change pattern by scale factors; and mechanism of benefit hypothesis tested. Arnold LE, et al. **Psychol Rep** 1981 Aug;49(1):198
Free time as a reinforcer for on-task behavior in a special education classroom. Couch JV, et al. **Psychol Rep** 1981 Apr;48(2):369–70
Physically impaired mainstreamed pupils' reactions to school. Rich Y. **Psychol Rep** 1981 Dec;49(3):929–30
Predicting special needs from information available at birth. Wallick MM, et al. **Psychol Rep** 1981 Apr;48(2):371–5
New video materials from ILEA. Andrews S. **Spec Educ Forward Trends** 1982 Mar;9(1):30
Five years at Beaumont College. Brindley A, et al. **Spec Educ Forward Trends** 1982 Jun;9(2):15–8
Linking home and residential school. Colledge D, et al. **Spec Educ Forward Trends** 1982 Mar;9(1):17–8
A special education service centre. Hallmark N, et al. **Spec Educ Forward Trends** 1982 Mar;9(1):6–8
Signs of speech: cooperating in deaf education. Kyle JG. **Spec Educ Forward Trends** 1981 Sep;8(3):21–8
Integration and teaching styles. Lynas W. **Spec Educ Forward Trends** 1981 Sep;8(3):11–4
Teaching with precision. Raybould T, et al. **Spec Educ Forward Trends** 1982 Jun;9(2):9–13
The Paget-Gorman Sign System. Rowe J. **Spec Educ Forward Trends** 1981 Dec;8(4):25–7
REBUS at Rees Thomas School. van Oosterom J, et al. **Spec Educ Forward Trends** 1982 Mar;9(1):31–3
Challenges in the 1981 Act. Wedell K, et al. **Spec Educ Forward Trends** 1982 Jun;9(2):6–8
Educational attainments of spina bifida children attending ordinary or special schools. Carr J, et al. **Z Kinderchir** 1981 Dec;34(4):364–70
[Mental deficiency in children and adolescents] Matějček Z. **Cesk Pediatr** 1981 Apr;36(4):198–200 (Eng. Abstr.) **(Cze)**
[Study of the functioning of Departmental Commissions on Special Education] Zucman E, et al. **Int J Rehabil Res** 1982;5(1):27–34 (Eng. Abstr.) **(Fre)**
[The school doctor's participation in determining the need for special schooling] Weber HG. **Off Gesundheitswes** 1981 Aug;43(8):396–9 **(Ger)**
[Motivation-psychology considerations in the planning and implementing of education in a school for the handicapped] Merkens L. **Prax Kinderpsychol Kinderpsychiatr** 1981 Nov-Dec;30(8):305–13 (Eng. Abstr.) **(Ger)**
[Lighting of the work place in schools for the vision-impaired] Egorova TS. **Gig Sanit** 1982 Feb;(2):93–4 **(Rus)**
[Function and dynamics of the work capacity of children with impaired vision in a specialized preschool institution] Maimulov VG. **Gig Sanit** 1982 May;(5):35–7 **(Rus)**
[Functional preparedness of deaf children for school instruction] Sukharev AG, et al. **Gig Sanit** 1981 Jun;(6):25–7 (Eng. Abstr.) **(Rus)**

ECONOMICS

State special education fiscal policy: the quest for equity. McCarthy EF, et al. **Except Child** 1982 Feb;48(5):414–9

HISTORY

[Edouard Seguin and special education] Pelicier Y. **Bull Acad Natl Med (Paris)** 1981 May;165(5):627–30 (Eng. Abstr.) **(Fre)**
[Beginnings of organized care for the blind in Croatia (author's transl)] Dugački V. **Lijec Vjesn** 1981 Nov; 103(11):521–3 (Eng. Abstr.) **(Ser)**

LEGISLATION & JURISPRUDENCE

Developing goals and objectives for handicapped children. O'Neill DL, et al. **Phys Ther** 1982 Mar;62(3):295–8

METHODS

Teaching young deaf people: an instructional strategy. DeCaro JJ, et al. **Am Ann Deaf** 1981 Oct;126(7):853–9
Helping the deaf community college student improve his reading skills. Rompf SA. **Am Ann Deaf** 1981 Oct; 126(7):825–8
Increasing probability of sign language learning by severely mentally retarded individuals: a discussion of learner, sign production, and linguistic variables. Luftig RL. **Appl Res Ment Retard** 1982;3(1):81–97 (65 ref.)
Educating migrant students: the paraprofessional component. Frith GH. **Except Child** 1982 Apr;48(6):506–7
Policy issues in special education for migrant students. Hunter B. **Except Child** 1982 Apr;48(6):469–72
A statewide network for training special education paraprofessionals. Kelly P, et al. **Except Child** 1982 Apr; 48(6):535–6
Time management training for providers of special services. Maher CA. **Except Child** 1982 Apr;48(6):523–8
Bilingual vocational education for handicapped students. Plata M, et al. **Except Child** 1982 Apr;48(6):538–40
Summary of research on individual education. Pratt AB, et al. **J Individ Psychol** 1981 Nov;37(2):232–46
Critical incidents: traditional and individual education responses. Whittington ER. **J Individ Psychol** 1981 Nov; 37(2):247–71
Application of differential reinforcement to control disruptive behaviours of mentally retarded students during remedial instruction. Luiselli JK, et al. **J Ment Defic Res** 1981 Dec;25 Pt 4:265–73
[New developments in the area of education of the hearing impaired] Hamilton JH. **S Afr Med J** 1981 Nov 28; 60(22):856–8 (Eng. Abstr.) **(Afr)**

ORGANIZATION & ADMINISTRATION

Interagency collaboration: driving and restraining forces. Johnson HW, et al. **Except Child** 1982 Feb;48(5):395–9

STANDARDS

Students' perceptions of instructor performance in specialized professional training programs in deafness: recommendations for teaching strategies. Zieziula FR. **Am Ann Deaf** 1981 Dec;126(9):1037–42
Intervention, accountability, and efficiency indices: a rejoinder. Simeonsson RJ. **Except Child** 1982 Jan; 48(4):358–9
Teaching one's child at home? Bowie L. **Spec Educ Forward Trends** 1982 Jun;9(2):14
[Pedagogical care extended to children with poor health and developmental disorders] Kopczyńska-Sikorska J. **Pediatr Pol** 1981 May;56(5):565–71 **(Pol)**

TRENDS

Reaching for that golden ring: some thoughts on educating gifted/talented handicapped students. Higgins S. **Am Ann Deaf** 1981 Sep;126(6):572–7
Future directions in the education of deaf-blind multihandicapped children and youth. Tweedie D, et al. **Am Ann Deaf** 1981 Oct;126(7):829–34
Occupational therapy and special education: some issues and concerns related to Public Law 94–142. Ottenbacher K. **Am J Occup Ther** 1982 Feb;36(2):81–4
Misguided mainstreaming: the case for social skills training with handicapped children. Gresham FM. **Except Child** 1982 Feb;48(5):422–33 (94 ref.)
A tactile approach to reading. Bradley L. **Spec Educ Forward Trends** 1981 Dec;8(4):32–6
Special education in Holland. Foster G, et al. **Spec Educ Forward Trends** 1982 Jun;9(2):19
The growth of special centres. Hegarty S. **Spec Educ Forward Trends** 1982 Mar;9(1):27–9
A law to last the century? Hermelin R. **Spec Educ Forward Trends** 1981 Dec;8(4):6–7
Signs and symbols: the 1980 survey. Jones L, et al. **Spec Educ Forward Trends** 1982 Jun;9(2):34–7
A new outlook with the computer. Rostron A, et al. **Spec Educ Forward Trends** 1981 Dec;8(4):29–31

EDUCATION, VETERINARY

Teaching pharmacology and toxicology. Frens J. **Tijdschr Diergeneeskd** 1981 Oct;106(20):suppl 3:176–8
Veterinary education in Norway. Lyngset O. **Vet Rec** 1981 Dec 5;109(23):510–2
Basic science teaching for veterinary students. Michell A. **Vet Rec** 1981 Jun 27;108(26):566–7
[Report of the Pan-American Health Organization Committee on the Textbook Program for the teaching of veterinary medicine] **Educ Med Salud** 1981;15(2):176–84 **(Spa)**

HISTORY

[From the history of veterinary education] Dimitrov D. **Vet Med Nauki** 1981;18(7):112–5 **(Bul)**

STANDARDS

Competence of veterinary graduates, who is responsible? Thomson RG. **Can Vet J** 1982 Jan;23(1):31–3

TRENDS

Current trends in veterinary education. Owen NC. **J S Afr Vet Assoc** 1982 Mar;53(1):7–9

EDUCATIONAL MEASUREMENT

Student selection and preference types. Gaskey NJ. **AANA J** 1982 Feb;50(1):60–3
The scalogram of the school-achievement test. Komenda S, et al. **Acta Univ Palacki Olomuc Fac Med** 1982;102:189–225
Monte Carlo verification of the scalogram model. Lukš A, et al. **Acta Univ Palacki Olomuc Fac Med** 1982;102:227–44
Testing of training in Great Britain. The examination of the Royal College of Physicians (MRCP (UK)). Badenoch J. **Agressologie** 1981 Dec;22(F):15
School performance of children with birth weights of 1,000 g or less. Nickel RE, et al. **Am J Dis Child** 1982 Feb; 136(2):105–10
Cheating by medical students on examinations. Stimmel B, et al. **Am J Med** 1982 Aug;73(2):160–4
What the new test will test. Jacobs AM, et al. **Am J Nurs** 1982 Apr;82(4):625–8
BSN doors are opening for RN students. Nayer DD. **Am J Nurs** 1981 Nov;81(11):2056–64
Fieldwork performance, academic grades, and pre-selection criteria of occupational therapy students. Katz GM, et al. **Am J Occup Ther** 1980 Dec;34(12):794–800
Results of the 1976 APA Self-Assessment Program. Quick SK, et al. **Am J Psychiatry** 1981 Dec;138(12):1587–91
Observations on the American Board of Surgery In-Training examination, board results, and conference attendance. Shetler PL. **Am J Surg** 1982 Sep;144(3):292–4
Tests give answers about effectiveness of inservice programs. Stiles P. **AORN J** 1981 Nov;34(5):811–2
Dental students at the University of Queensland. Entrance and performance 1960 to 1979. Savage NW, et al. **Aust Dent J** 1981 Jun;26(3):146–52

Predicting first professional M.B.B.S. examination score from the results of H.S.C. examination. Islam S, et al. **Bangladesh Med Res Counc Bull** 1980 Dec;6(2):61–72
An investigation into the validity and reliability of the marking of students' orthodontic practical work. Brown ID, et al. **Br J Orthod** 1982 Apr;9(2):107–10
Shortlisting trainees: selecting with solicitude in exeter. Bolden KJ. **Br Med J [Clin Res]** 1982 Sep 11; 285(6343):699–701
A-level grades and medical school admission. McManus IC. **Br Med J [Clin Res]** 1982 May 29;284(6329):1654–6
Tertiary educational assessment with mean individual level knowledge. Shanks CA, et al. **Br Med J [Clin Res]** 1981 Dec 19;283(6307):1677–8
Variables important in the selection of New Zealand nurses: implementation and evaluation of a multivariate selection technique. Long NR, et al. **Int J Nurs Stud** 1981; 18(4):227–35
The reliability and validity of rating scales in assessing the clinical progress of psychiatric nursing students. Squier RW. **Int J Nurs Stud** 1981;18(. :157–69
Psychiatric problems and first year examinations in overseas students at Edinburgh University. Cox JL, et al. **J Adolesc** 1981 Sep;4(3):261–70
An investigation into the validity of specifying 5 'O' levels in the General Certificate of Education as an entry requirement for the education and training of district nurses. Jarvis P, et al. **J Adv Nurs** 1981 Nov;6(6):471–82
Putting objectivity in the allied health student selection process. Dietrich MC. **J Allied Health** 1981 Nov; 10(4):226–39
Videotaped case histories in the final MB (Psychiatry) examination at St Bartholomew's Hospital Medical College. Jolly B. **J Audiov Media Med** 1981 Oct;4(4):123–6
A multiple-choice quiz board for health education. Paton JS, et al. **J Audiov Media Med** 1980 Jul;3(3):107–8
Do students cheat--or are they just good guessers? Swallow JN. **J Dent** 1982 Mar;10(1):78–80
A structured interview for dental school admissions. Graham JW, et al. **J Dent Educ** 1982 Feb;46(2):78–82
Professional performance among dental students: a factor analysis. Potter RH, et al. **J Dent Educ** 1982 Apr; 46(4):216–20
Planned enrollment decreases and first-year GPAs. Solomon E. **J Dent Educ** 1982 Sep;46(9):566–7
Science GPAs and the applicant-to-enrollee ratio. Solomon E. **J Dent Educ** 1982 Apr;46(4):233
The effect of the availability of academic credentials on postgraduate admissions. Solomon E, et al. **J Dent Educ** 1982 Aug;46(8):506
The admission index in the dental school admissions process. Staat RH, et al. **J Dent Educ** 1982 Aug;46(8):500–3
Field dependence-independence and dental students' clinical performance. Suddick RP, et al. **J Dent Educ** 1982 Apr; 46(4):227–32
College major and its relation to performance in dental school and on licensing examinations. Waldman HB. **J Dent Educ** 1982 Mar;46(3):163–5
Student, parent, and school effects on the stress of college application. Hansell S. **J Health Soc Behav** 1982 Mar; 23(1):38–51
The 1981 entering class. Baker GL. **J Iowa Med Soc** 1982 Apr;72(4):146–7
Medical school selection [letter] Stephens GL. **J Ky Med Assoc** 1981 Nov;79(11):745–6
External examinations for the evaluation of medical education achievement and for licensure. Adopted June 25, 1981, by the Executive Council of the Association of American Medical Colleges. **J Med Educ** 1981 Nov;56(11):933–62
Validity of the new MCAT for predicting GPA and NBME part I examination performance. Brooks CM, et al. **J Med Educ** 1981 Sep;56(9 Pt 1):767–9
FLEX I and II: some unanswered questions [editorial] Derbyshire RC. **J Med Educ** 1981 Nov;56(11):923–4
Comparative predictive validity of the new MCAT using different admissions criteria. Golmon ME, et al. **J Med Educ** 1981 Dec;56(12):981–6
The new MCAT and its relationship to medical student performance-year two. McGuire FL. **J Med Educ** 1982 Jan;57(1):60–1
Description of the interview process in selecting students for admission to U.S. medical schools. Puryear JB, et al. **J Med Educ** 1981 Nov;56(11):881–5
The predictive value of the premedical grade-point average. Sarnacki RE. **J Med Educ** 1982 Mar;57(3):163–9
An evaluation of the simulated minority admissions exercise. Sedlacek WE, et al. **J Med Educ** 1982 Feb;57(2):119–20
Practical suggestions for applying to doctoral programs. Binger JL. **J Nurs Adm** 1981 Nov-Dec;11(11–12):40–3
Improving the candidate selection process [editorial] Laskin DM. **J Oral Maxillofac Surg** 1982 Jun;40(6):328
Why not retake the college examination? Brown JR, et al. **J R Coll Gen Pract** 1981 Mar;31(224):176
Beyond the basic four: what does Johnny know about nutrition? O'Rourke TW, et al. **J Sch Health** 1982 Apr; 52(4):212–6
The heart rate of students in examinations. Edmonds OP. **J Soc Occup Med** 1982 Jan;32(1):32–6
Influence of the MCAT on Premedical curricula [letter] Markel H, et al. **JAMA** 1982 Apr 23;247(16):2232–3
Premedical students, admissions committees, and 'the physician as an educated person'. Rhoads PS. **JAMA** 1982 May 21;247(19):2671–3
Concurrent validity of ACT-PEP and NLN achievement tests: a pilot study. Barhyte DY, et al. **JNE** 1981 Sep; 20(7):37–41
Student grade appeals- procedure and process. Miller P. **JNE** 1982 Jun;21(6):34–8
Strategies for dealing with students whose clinical performance is unsatisfactory. Welborn P, et al. **JNE** 1982 May;21(5):26–30
How to select medical students? [editorial] **Lancet** 1981 Nov 7;2(8254):1029
Premedical training, personal characteristics and performance in medical school. Herman MW, et al. **Med Educ** 1981 Nov;15(6):363–7
The relationship between prior clerkship experience and student performance in medicine clerkships. Implications for grading. Jackson JR, et al. **Med Educ** 1982 May; 16(3):133–6
Trends in assessment [editorial] Katz FM. **Med Educ** 1982 Mar;16(2):61–2
A survey of opinion among different occupational groups toward selection of medical students. Linke RD, et al. **Med Educ** 1981 Nov;15(6):414–21
Analysis of examinations in curriculum review. Rotem A, et al. **Med Educ** 1982 Jan;16(1):3–6
A content validity analysis of neoplastic items of the National Board of Medical Examiners Part II Examination. Goetzel RZ, et al. **Med Pediatr Oncol** 1982;10(4):413–8
Bakke decision revisited [letter] **N Engl J Med** 1982 Feb 4; 306(5):306–7
Sounding Boards. Three years after Bakke: a reaffirmation. Fitzgerald FT. **N Engl J Med** 1981 Oct 8;305(15):886–7
Measuring effects of a liberal education. Clayton ER, et al. **Nurs Outlook** 1981 Oct;29(10):582–5
The use of testing to modify curricula for RNs. Gross LC, et al. **Nurs Outlook** 1981 Sep;29(9):541–5
Accommodating RN students in baccalaureate nursing programs. Hale SL, et al. **Nurs Outlook** 1981 Sep; 29(9):535–40
Predictors of student success. Kissinger JF, et al. **Nurs Outlook** 1982 Jan;30(1):53–4
When former students fail state boards. Kopala B, et al. **Nurs Outlook** 1982 May;30(5):314–7
Clinical evaluation--an instructor's dilemma. Meisenhelder JB. **Nurs Outlook** 1982 Jun;30(6):348–51
Nursing education for college graduates. Slavinsky AT, et al. **Nurs Outlook** 1982 May;30(5):292–7
Nurses, physicians, and pharmacists: their knowledge of hazards of medications. Markowitz JS, et al. **Nurs Res** 1981 Nov-Dec;30(6):366–70
Non-clinical problems: clinical self-evaluation for the NP. Ryan JW, et al. **Nurse Pract** 1982 Mar;7(3):52–8
Can medical school admissions criteria identify lifelong learners? Finestone AJ, et al. **Penn Med** 1982 Feb;85(2):22, 24, 33
Minority recruitment; an illusion? [letter] McLaurin SE. **Phys Ther** 1982 Aug;62(8):1177
Affirmative action in medical school admissions. Case for discussion. Basson M, et al. **Prog Clin Biol Res** 1981;76:13–6
Affirmative action in medical school admissions. Cohen C. **Prog Clin Biol Res** 1981;76:17–38
Affirmative action in medical school admissions. Geiger HJ. **Prog Clin Biol Res** 1981;76:39–45
Test anxiety level and test format preference. Green KE. **Psychol Rep** 1981 Apr;48(2):537–8
Relationship between retaking the medical college admission test and admission to medical school. Hynes K, et al. **Psychol Rep** 1982 Jun;50(3 Pt 1):894
The community health knowledge among senior school students in the University Community Health Project Area - Kotte, Sri Lanka. Jayasinha RT. **R Soc Health J** 1981 Oct;101(5):214–5
How satisfactory are our examinations? A limited analysis of the UK statistics of the College of Radiographers, qualifying examinations. Newton J. **Radiography** 1981 Aug; 47(560):171–7
The interview process for the selection of student radiographers. Chapman LJ. **Radiol Technol** 1981 Jul-Aug; 53(1):37–43
Admission criteria for a college-based radiologic technology program: relationship of entry levels to subsequent performance in selected program courses. Kavanagh LK. **Radiol Technol** 1981 Sep-Oct;53(2):113–7
Written and practical testing of medical students in radiology. Novelline RA, et al. **Radiology** 1982 Jun;143(3):795–7
Discriminant analysis to predict graduation--nongraduation in a master's degree program in nursing. Tripp A, et al. **Res Nurs Health** 1981 Dec;4(4):345–53
Selecting medical students at MEDUNSA. A preliminary report. Elliot J. **S Afr Med J** 1981 Nov 7;60(19):749–50
Anxiety and performance on oral examination. Linn BS, et al. **Soc Sci Med [E]** 1981 Aug;15(3):211–4
The integration (mainstreaming) of spina bifida children into ordinary schools. Lonton AP. **Z Kinderchir** 1981 Dec; 34(4):356–64
[Medical students' attitudes to examinations (author's transl)] Strnad L, et al. **Cas Lek Cesk** 1982 Jan 22;121(3):86–9 (Eng. Abstr.) **(Cze)**
['Our medical examinations' by J. A. Korteweg in the Nederlands Tijdschrift voor Geneeskunde in 1882] **Ned Tijdschr Geneeskd** 1982 Jan 2;126(1):40 **(Dut)**
[Pharmacological education, analysis of results and thoughts on certain factors] Lavigne JG. **Union Med Can** 1981 Dec; 110(12):1066–73 (Eng. Abstr.) **(Fre)**
[The 60-percent rule unconstitutional] Rieger HJ. **Dtsch Med Wochenschr** 1982 May 14;107(19):753–5 **(Ger)**
[Changes in body height of schoolchildren from the elementary school grades 1 to 8 and the children's school situation] Polus-Szeniawska E. **Rocz Panstw Zakl Hig** 1981; 32(3):291–7 (Eng. Abstr.) **(Pol)**
[Prevention of neuroemotional stress in students during exams] Kalashnikov AA, et al. **Gig Sanit** 1982 Feb;(2):32–5 (Eng. Abstr.) **(Rus)**
[Physical exercises in examinations as a means of increasing the student's mental and physical work capacity] Sergeev VN, et al. **Gig Sanit** 1982 Jun;(6):22–5 (Eng. Abstr.) **(Rus)**
[Emotional stress against a background of fake and real state exams] Volkind NIa. **Gig Sanit** 1982 Jun;(6):81–3 **(Rus)**
[Myocardial bioelectrical activity of students during the taking of exams] Volkind NIa. **Gig Sanit** 1981 Jun;(6):87–8 **(Rus)**
[Effect of examination stress on student heart activity (based on hemodynamic data)] Volkind NIa. **Gig Sanit** 1981 Aug; (8):28–30 (Eng. Abstr.) **(Rus)**
[Self-training and self-control of knowledge assimilation in a course in graduate-level therapy] Kiumov AD, et al. **Sov Med** 1982;(1):74–6 **(Rus)**
[Methods of students' testing in epidemiology] Pokrovskii VI, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1981; (8):108–9 **(Rus)**
[Selective examination for postgraduate residencies. Analysis and results] Quijano M, et al. **Gac Med Mex** 1981 Aug; 117(8):343–51 **(Spa)**
[Effect of clinical practice on the results of multiple choice examinations (author's transl)] Viniegra L, et al. **Rev Invest Clin** 1981 Jul-Sep;33(3):313–7 (Eng. Abstr.) **(Spa)**
[Lack of predictive validity of multiple choice examination in clinical medicine (author's transl)] Viniegra L, et al. **Rev Invest Clin** 1981 Oct-Dec;33(4):413–7 (Eng. Abstr.) **(Spa)**

METHODS

A comparison of deaf students performance on true-false and multiple-choice items. McKee BG, et al. **Am Ann Deaf** 1982 Feb;127(1):49–54
A critique of the American and Canadian procedures of examination in dermatopathology. Jakubovic HR. **Am J Dermatopathol** 1982 Jun;4(3):283–4
Assessing assessment: the content and quality of the psychiatry in-training examination. Strauss GD, et al. **Am J Psychiatry** 1982 Jan;139(1):85–8
The microcomputer in self-assessment for examinations in anaesthesia. Parbrook GD, et al. **Anaesthesia** 1981 Dec; 36(12):1136–7
Examinations in paediatrics. Jackson AD. **Arch Dis Child** 1981 Nov;56(11):820–1
Evaluation of an objective structured clinical examination. Watson AR, et al. **Arch Dis Child** 1982 May;57(5):390–2
A comparison between over-the-shoulder and computer-derived measurement procedures in assessing student performance in radar air traffic control. Boone JO, et al. **Aviat Space Environ Med** 1981 Oct;52(10):589–93
An investigation into the validity and reliability of the marking of students' orthodontic practical work. Brown ID, et al. **Br J Orthod** 1982 Apr;9(2):107–10
Uncertainties in Bradford. Bahrami J. **Br Med J [Clin Res]** 1982 Aug 7;285(6339):411–2
Computerized test grading and analysis--it can improve clinical instruction. Riley DA, et al. **Drug Intell Clin Pharm** 1982 Jul-Aug;16(7–8):597–9
Evaluation of student nurse clinical performance--a continuing problem. Wood V. **Int Nurs Rev** 1982 Jan-Feb; 29(1):11–8
A critique of Bendall's So you passed, Nurse. Hutchings MJ. **J Adv Nurs** 1981 Sep;6(5):405
An analysis of the reliability of a laboratory evaluation system. Feil PH. **J Dent Educ** 1982 Aug;46(8):489–94
Student self-evaluation in preclinical restorative dentistry. Forehand LS, et al. **J Dent Educ** 1982 Apr;46(4):221–6
Nonrestricted multiple-choice examination items. Kolstad R, et al. **J Dent Educ** 1982 Aug;46(8):485–8
Analysis of disagreement in the evaluation of clinical products. Mackenzie RS, et al. **J Dent Educ** 1982 May; 46(5):284–9
Multiple choice questions for continuing education in family medicine. Dickie GL, et al. **J Fam Pract** 1981 Dec; 13(7):1031–5
A multidimensional approach to evaluation. Dean PR, et al. **JNE** 1982 Feb;21(2):18–23
Development and implementation of a contract grading system. Kruse LC, et al. **JNE** 1982 May;21(5):31–7
Contract grading in clinical evaluation. Schoolcraft V, et al. **JNE** 1982 Jan;21(1):6–14
A computer-based test item-bank for cognitive assessment of medical students during a clinical medicine clerkship. Brooks CM, et al. **Med Educ** 1982 Jan;16(1):12–6
Patient management problems. Issues of validity. Newble DI, et al. **Med Educ** 1982 May;16(3):137–42
Issues in competency-based testing. Benner P. **Nurs Outlook** 1982 May;30(5):303–9
In quest of the perfect test. Okolowski RS, et al.

Nurs Outlook 1981 Oct;29(10):579–81
The new state board exam. Smeltzer SO. **Nurs Outlook** 1982 May;30(5):312–3
Physical therapy competencies in clinical education. Nethery JC. **Phys Ther** 1981 Oct;61(10):1442–6
Students as assessors in a performance test. Report of a pilot study. Wadsworth H. **Physiotherapy** 1981 Dec;67(12):364–7
Trainer–trainee problems: assessment. Hull FM. **Practitioner** 1981 Aug;225(1358):1085–9
Assessments of students by the use of multichoice questions. de la Haye GW. **Radiography** 1981 Sep;47(561):195–9
Clinical evaluations—who needs them? Wesolowski WE. **Radiol Technol** 1981 Nov–Dec;53(3):221–5
Multiple-choice examinations—an objective view [letter] Keen EN, et al. **S Afr Med J** 1982 Sep 18;62(13):425
The incorrect response in multiple-choice examinations. Koeslag JH, et al. **S Afr Med J** 1981 Oct 10;60(15):591–2
Multiple-choice and true-false questions—a test of ignorance? Koeslag JH. **S Afr Med J** 1982 May 8;61(19):687
The use of multiple choice questions in medical examination: an evaluation of scoring and analysis of results. Ho TF, et al. **Singapore Med J** 1981 Dec;22(6):361–7
Daily evaluation in the classroom. Muncey J, et al. **Spec Educ Forward Trends** 1981 Sep;8(3):31–4
[The objective-structured clinical examination (OSCE)] Wassermann HP, et al. **S Afr Med J** 1982 Feb 27; 61(9):325–30 (Eng. Abstr.) **(Afr)**
[The application of Fischer's linear logistic test model in order to evaluate effectivity of higher education courses – some new results (author's transl)] Kubinger KD. **Arch Psychol (Frankf)** 1980;133(1):69–79 (Eng. Abstr.) **(Ger)**
[Objective structured clinical examination] Osterweil D, et al. **Harefuah** 1981 Aug;101(3–4):71–2 (Eng. Abstr.) **(Heb)**
[Students' and teachers' opinion of pass-fail as a grading system at Tromsø Medical School] Hannisdal E, et al. **Tidsskr Nor Laegeforen** 1981 Jun 10;101(16):1021–2 (Eng. Abstr.) **(Nor)**
[Examination on human anatomy conducted with standard questions] Zagrebin AM, et al. **Arkh Anat Gistol Embriol** 1982 Mar;82(3):113–4 **(Rus)**
[Introduction of objective quality control over student knowledge in an exam on pathological anatomy] Chekareva GA, et al. **Arkh Patol** 1981;43(9):50–2 (Eng. Abstr.) **(Rus)**
[Form change in the exams on hygiene disciplines] Daulbaev FA, et al. **Gig Sanit** 1981 Jun;(6):66 **(Rus)**
[Experience in using tests via written exams on hygiene in medical departments] Rumiantsev GI, et al. **Gig Sanit** 1981 Oct;(10):54–5 **(Rus)**
[Programmed examination test on a course of propedeutics in internal diseases] Shedov VV, et al. **Klin Med (Mosk)** 1981 Oct;59(10):107–10 **(Rus)**
[Improved methods of assessing the knowledge of medical institute students] Kononov AG. **Sov Zdravookhr** 1982; (1):44–7 (Eng. Abstr.) **(Rus)**
[Comparison of the usefulness of two types of theoretical examinations to evaluate clinical learning (author's transl)] Viniegra L, et al. **Rev Invest Clin** 1982 Jan–Mar;34(1):73–8 (Eng. Abstr.) **(Spa)**

STANDARDS

An integrated final M. B. examination. Odling-Smee W, et al. **Lancet** 1982 May 15;1(8281):1114–6

EDUCATIONAL STATUS

Knowledge of anatomy and physiology as a determinant of biofeedback performance. Montgomery GT, et al. **Am J Phys Med** 1982 Aug;61(4):193–7
Educational achievement, IQ and affective disorder in the adult offspring of bipolar manic-depressives. Waters BG, et al. **Br J Psychiatry** 1981 Nov;139:457–62
Effect of informed consent and educational background on patient knowledge, anxiety, and subjective responses to cardiac catheterization. Freeman WR, et al. **Cathet Cardiovasc Diagn** 1981;7(2):119–34
Pictorial maternal and neonatal records for illiterate traditional birth attendants. Kumar V, et al. **Int J Gynaecol Obstet** 1981 Aug;19(4):281–4
Visual communication with non-literates: a review of current knowledge including research in northern India. Moynihan M, et al. **Int J Health Educ** 1981;24(4):251–62
An investigation into the validity of specifying 5 'O' levels in the General Certificate of Education as an entry requirement for the education and training of district nurses. Jarvis P, et al. **J Adv Nurs** 1981 Nov;6(6):471–82
The relationship between income, education and hypertension. Sear AM, et al. **J Biosoc Sci** 1982 Apr; 14(2):213–21
Sex, race, age, and education variables in Shipley-Hartford scores of alcoholic inpatients. Dalton JE, et al. **J Clin Psychol** 1981 Oct;37(4):885–8
Prediction of achievement in reading, self-esteem, auding, and verbal language by adult illiterates in a psychoeducational tutorial program. Gold PC, et al. **J Clin Psychol** 1982 Jul;38(3):513–22
Association of marital status and years of schooling with perinatal outcome: the influence of pre-natal care as an intermediate variable. Faundes A, et al. **J Perinat Med** 1982; 10(2):105–13
Literacy and hemispheric specialization for language: digit dichotic listening in illiterates. Tzavaras A, et al. **Neuropsychologia** 1981;19(4):565–70
Associated degree nursing: faculty preparation and commitment. Heller BR. **Nurs Outlook** 1982 May; 30(5):310–1
A technique for administering a questionnaire to a group with low reading ability. Wilson CM, et al. **Prog Clin Biol Res** 1982;83:511–6
Spelling, reading and adult illiteracy. Perin D. **Psychol Res** 1981;43(2):245–57
Faculty qualifications and student achievement in radiologic technology. Weinstein RD. **Radiol Technol** 1981 Mar–Apr; 52(5):521–8
Education and accuracy of age reporting among Yoruba females in Western Nigeria. Sembajwe IS. **Soc Biol** 1980 Winter;27(4):294–303
[A case of aphasia in an illiterate patient. Critical reflections on brain functions in conjunction with language] Metellus J, et al. **Ann Med Psychol (Paris)** 1981 Nov;139(9):992–1001 **(Fre)**
[Relationship between age, weight, educational status and the prevalence of arterial hypertension in the suburbs of Québec] Robitaille NM, et al. **Union Med Can** 1981 Nov; 110(11):977–8, 983–4 (Eng. Abstr.) **(Fre)**
[Relationship between food habits and educational status of Warsaw women] Narojek L, et al. **Rocz Panstw Zakl Hig** 1981;32(2):145–51 (Eng. Abstr.) **(Pol)**

EDWARDS PERSONAL PREFERENCE SCHEDULE see under **PERSONALITY INVENTORY**

EEL, CONGO see **URODELA**

EEL, ELECTRIC see **ELECTROPHORUS**

EELS

ANATOMY & HISTOLOGY

The parapineal and pineal organs of the elver (glass eel), Anguilla anguilla L. van Veen T. **Cell Tissue Res** 1982; 222(2):433–44
Choroidal supply and Bruch's membrane in the eel. Neetens A, et al. **Exp Eye Res** 1982 Apr;34(4):493–8
Micromorphology of the third ventricular ependyma and infundibular recess in the mud-eel Amphipnous cuchia (Ham.). Thomas PC, et al. **J Hirnforsch** 1982;23(1):101–7
Different axoneme patterns in cilia and flagella of the same animal. Baccetti B, et al. **J Submicrosc Cytol** 1981 Jul; 13(3):479–81

BLOOD

Catecholamines in head and body blood of eels and rats. Epple A, et al. **Comp Biochem Physiol [C]** 1982; 71C(1):115–8
Effects of anaesthesia and surgery on levels of adrenaline and noradrenaline in blood plasma of the eel (Anguilla anguilla L.). Le Bras YM. **Comp Biochem Physiol [C]** 1982; 72(1):141–4
Effect of glucagon administration on serum calcium and inorganic phosphorus in the freshwater mud eel, Amphipnous cuchia. Srivastav AK, et al. **Experientia** 1981 Oct 15;37(10):1113–4

GENETICS

Further evidence for calcitonin gene duplication: the identification of two different calcitonins in a fish, a reptile and two mammals. Perez Cano R, et al. **Acta Endocrinol (Copenh)** 1982 Jun;100(2):256–61

METABOLISM

Induction of mixed function oxidases by petroleum in the American eel, Anguilla rostrata. Nava ME, et al. **Arch Environ Contam Toxicol** 1982;11(2):141–5
Isolation and characterization of gonadotropin isohormones from the pituitary gland of pike eel (Muraenesox cinereus). Huang FL, et al. **Int J Pept Protein Res** 1981 Jul; 18(1):69–78

PHYSIOLOGY

Ultrastructural changes in the calcium-sensitive (PAS-positive) cells of the pars intermedia of eels kept in deionized water and in normal and concentrated sea water. Olivereau M, et al. **Cell Tissue Res** 1981;219(1):9–26
Calcium-sensitive cells of the pars intermedia and osmotic balance in the eel. I. Responses to changes in the environmental calcium and magnesium. Olivereau M, et al. **Cell Tissue Res** 1982;222(2):231–41
Calcemic responses of Stannius corpuscle extract in parrots Psittacula psittacula. Srivastav AK, et al. **Experientia** 1982 Jul 15;38(7):869–70
Changes in vascular and extravascular volumes of eel muscle in response to catecholamines: the function of the caudal lymphatic heart. Davie PS. **J Exp Biol** 1982 Feb;96:195–208
Physiological evidence for the occurrence of pathways shunting blood away from the secondary lamellae of eel gills. Hughes GM, et al. **J Exp Biol** 1982 Jun;98:277–88

EFFERENT PATHWAYS

ANATOMY & HISTOLOGY

Afferent and efferent innervation of the labyrinth. Gacek RR. **Adv Otorhinolaryngol** 1982;28:1–13
Projections of the nuclei of the lateral lemniscus in the cat: an autoradiographic study. Kudo M. **Brain Res** 1981 Sep 21;221(1):57–69
Afferent and efferent connections of the optic tectum in the carp (Cyprinus carpio L.). Luiten PG. **Brain Res** 1981 Sep 7;220(1):51–65
Divergent axon collaterals of rat locus coeruleus neurons: demonstration by a fluorescent double labeling technique. Room P, et al. **Brain Res** 1981 Sep 28;221(2):219–30
Projections from the spinal trigeminal nucleus to the entire length of the spinal cord in the rat. Ruggiero DA, et al. **Brain Res** 1981 Nov 30;225(2):225–33
Zonal organization of the floccular Purkinje cells projecting to the vestibular nucleus in cats. Sato Y, et al. **Brain Res** 1982 Jan 28;232(1):1–15
Efferent projections of the neonatal superior colliculus: extraoculomotor-related brain stem structures. Stein BE, et al. **Brain Res** 1982 May 6;239(1):17–28
Conjugates of horseradish peroxidase (HRP) with cholera toxin and wheat germ agglutinin are superior to free HRP as orthogradely transported markers. Trojanowski JQ, et al. **Brain Res** 1981 Nov 2;223(2):381–5
The central distribution of the cervical vagus nerve and gastric afferent and efferent projections in the rat. Leslie RA, et al. **Brain Res Bull** 1982 Jan;8(1):37–43
The cerebellar corticonuclear and nucleocortical projections in the cat as studied with anterograde and retrograde transport of horseradish peroxidase. IV. The paraflocculus. Dietrichs E. **Exp Brain Res** 1981;44(3):235–42
An autoradiographic study of the efferent connections of the entorhinal cortex in the rat. Wyss JM. **J Comp Neurol** 1981 Jul 10;199(4):495–512
An autoradiographic study of the projections of the central nucleus of the monkey amygdala. Price JL, et al. **J Neurosci** 1981 Nov;1(11):1242–59
Autoradiographic demonstration of VIIIth nerve projections in Rana pipiens. Aitken PG. **Neurosci Lett** 1981 Jul 17; 24(3):237–42
Demonstration of zonal projections from the cerebellar flocculus to vestibular nuclei in monkeys (Macaca fuscata). Balaban CD, et al. **Neurosci Lett** 1981 Dec 11;27(2):101–5
Origin of sympathetic efferent axons in the renal nerves of the cat. Kuo DC, et al. **Neurosci Lett** 1982 Apr 26; 29(3):213–8
Cortico-recipient and tecto-recipient visual zones in the rat's lateral posterior (pulvinar) nucleus: an anatomical study. Mason R, et al. **Neurosci Lett** 1981 Sep 1;25(2):107–12
The origin of centrifugal fibers to the inner ear in Caiman crocodilus. A horseradish peroxidase study. Strutz J. **Neurosci Lett** 1981 Dec 11;27(2):95–100

ENZYMOLOGY

A histochemical study of GABA-transaminase in the efferents of the pallidum. Vincent SR, et al. **Brain Res** 1982 Jun 3;241(1):162–5
The histochemical localization of GABA-transaminase in the efferents of the striatum. Vincent SR, et al. **Brain Res** 1981 Oct 5;222(1):198–203

PHYSIOLOGY

Sinusal afferents supplying superior cervical ganglion. Tuttle RS, et al. **Am J Physiol** 1982 Feb;242(2):H168–71
Extratelencephalic pathways and feeding behavior in the pigeon (Columba livia). Levine RR, et al. **Brain Behav Evol** 1981;19(1–2):56–92
Neonatal capsaicin does not affect unmyelinated efferent fibers of the autonomic nervous system: functional evidence. Cervero F, et al. **Brain Res** 1982 May 6; 239(1):283–8
Efferent projections of the A1 catecholamine cell group in the rat: an autoradiographic study. McKellar S, et al. **Brain Res** 1982 Jun 3;241(1):11–29
The use of anterogradely transported wheat germ agglutinin-horseradish peroxidase conjugate to visualize cutaneous sensory nerve endings. Robertson B, et al. **Brain Res** 1982 May 27;240(2):327–30
Projections from areas 17 and 18 of the visual cortex to the nucleus of the optic tract. Schoppmann A. **Brain Res** 1981 Oct 26;223(1):1–17
The sprouting of septal afferents to the dentate gyrus after lesions of the entorhinal cortex in adult rats. Stanfield BB, et al. **Brain Res** 1982 Jan 28;232(1):162–70
Hippocampal deafferentation and deefferentation and gastric pathology in rats. Henke PG, et al. **Brain Res Bull** 1981 Oct;7(4):395–8
Fluorescent retrograde double labeling technique combined with wet histofluorescence method used to demonstrate divergent axonal projections of central catecholamine neurons. Nagai T, et al. **Cell Mol Biol** 1981;27(5):403–12
Role of globus pallidus and substantia nigra efferent pathways in striatally evoked head turning in the rat. Lee LA, et al. **Exp Brain Res** 1981;44(2):170–6
Autoradiographic studies of efferent nerves from the celiac ganglion in the cat. Dickhans MJ, et al. **Experientia** 1982 Apr 15;38(4):497–8

Retrograde axonal transport and transneuronal transference of horseradish peroxidase in the rat ciliary ganglion. Gomez-Ramos P, et al. **Experientia** 1981 Dec 15; 37(12):1337-9

Afferent and efferent components of the bronchial vagal branches in cats. Jammes Y, et al. **J Auton Nerv Syst** 1982 Mar;5(2):165-76

The neural pathway involved in 'efferent inhibition' of chemoreceptors in the cat carotid body. McDonald DM, et al. **J Comp Neurol** 1981 Sep 20;201(3):457-76

Morphometric synaptology of gracilo-diencephalic relay cells: an electron microscopic study in the cat using retrograde transport of horseradish peroxidase. Blomqvist A. **J Neurocytol** 1981 Aug;10(4):709-24

Efferents to the retina have multiple sources in teleost fish. Ebbesson SO, et al. **Science** 1981 Nov 20;214(4523):924-6

[Do we know how the motor nerve controls the phenotype of the skeletal muscle fiber?] Ulumbekov EG. **Arkh Anat Gistol Embriol** 1981 Jun;80(6):102-8 **(Rus)**

EFFICIENCY

see related
FATIGUE

A laboratory productivity monitoring system. Olsen KE, et al. **Am J Med Technol** 1981 Aug;47(8):631-7

Treatment outcome and efficiency in surgery. Haig TH. **Can J Surg** 1982 May;25(3):293-6

INfluence of an employee fitness programme upon fitness, productivity and absenteeism. Cox M, et al. **Ergonomics** 1981 Oct;24(10):795-806

Productivity versus cost control: considerations for health care managers. Soulier MZ, et al. **Health Care Manage Rev** 1982 Winter;7(1):15-20

Measuring social work productivity in health care. Coulton CJ, et al. **Health Soc Work** 1981 Aug;6(3):4-12

Participative approach to productivity monitoring promises better control of future resources. **Hospitals** 1982 May 16; 56(10):45-6

Assessing productivity in the laboratory. Holloway LA. **Hospitals** 1982 Aug 16;56(16):92-100

The influence of negative air ions on human performance and mood. Tom G, et al. **Hum Factors** 1981 Oct;23(5):633-6

Dynamics of psychophysiological and cardiovascular indices during operator activity involving expectation and tracking. Sapova NI, et al. **Hum Physiol** 1981 Jan-Feb; 7(1):37-41

Cardiac frequency as a means of predicting working capacity. Voronin LG, et al. **Hum Physiol** 1981 Jan-Feb;7(1):29-33

Mode of production and population patterns: policy implications for West African development. Franke RW. **Int J Health Serv** 1981;11(3):361-87

Productivity in biocommunications. Hudspeth D. **J Biocommun** 1982 Mar;9(1):2-4

Episode-based efficiency comparisons for physicians and nurse practitioners. Salkever DS, et al. **Med Care** 1982 Feb; 20(2):143-53

Productivity analysis as a means of cost containment in physical medicine and rehabilitation centers. Murer CC. **Rehabil Lit** 1982 May-Jun;43(5-6):146-8

The effects of nursing education on job effectiveness: an overview of the literature. McCloskey JC. **Res Nurs Health** 1981 Dec;4(4):355-73

Selective primary health care: is efficient sufficient? Berman PA. **Soc Sci Med** 1982;16(10):1054-9

[Evaluation of effectiveness of interventions in public health (author's transl)] Montoya-Aguilar C. **Rev Epidemiol Sante Publique** 1981;29(3):233-44 (Eng. Abstr.) **(Fre)**

[Medical occupational guidance of construction brigade students as a factor in preventing morbidity and raising work productivity] Koroleva VA, et al. **Gig Sanit** 1981 Sep;(9):82-3 **(Rus)**

DRUG EFFECTS

Effects of iron and ascorbic acid supplementation on hemoglobin level and work efficiency of anemic women. Florencio CA. **JOM** 1981 Oct;23(10):699-704

PHYSIOLOGY

Worker productivity and the nutritional status of Kenyan road construction laborers. Wolgemuth JC, et al. **Am J Clin Nutr** 1982 Jul;36(1):68-78

[Changes of effort capacity in women professionally working in conditions of varying energetic expenses (author's transl)] Drewczyński A. **Przegl Lek** 1981;38(9):685-8 (Eng. Abstr.) **(Pol)**

[The role of physical capacity as an index of the level of basic physiological parameters during physical work (author's transl)] Makowiec-Dąbrowska T. **Przegl Lek** 1981;38(9):689-91 (Eng. Abstr.) **(Pol)**

[Means of increasing the efficiency of intellectual work] Fedotov VV. **Voen Med Zh** 1981 Aug;(8):24-9 **(Rus)**

EFFORT see **EXERTION**

EFFORT SYNDROME see **NEUROCIRCULATORY ASTHENIA**

EGG see **OVUM**

EGG PROTEINS

Lipid domains in the crystalline lipovitellin/phosvitin complex: a phosphorus-31 and deuterium nuclear magnetic resonance study. Banaszak LJ, et al. **Biochemistry** 1982 May 11;21(10):2436-43

Lipid environments in the yolk lipoprotein system. A spin-labeling study of the lipovitellin/phosvitin complex from Xenopus laevis. Birrell GB, et al. **Biochemistry** 1982 May 11;21(10):2444-52

Independent thermal unfolding of ovomucoid domains. Matsuda T, et al. **Biochim Biophys Acta** 1981 Jun 29; 669(1):109-12

Disulfide bonds in egg-white riboflavin-binding protein. Chemical reduction studies. Kozik A. **Eur J Biochem** 1982 Jan;121(2):395-400

Electron spin echo studies of the copper complexes of conalbumin. Zweier JL, et al. **J Biol Chem** 1982 Sep 10; 257(17):10314-6

A pmr study of the effects of pH and anion and metal ion binding of the histidyl residues of ovotransferrin. Alsaadi BM, et al. **J Inorg Biochem** 1981 Aug;15(1):1-10

A symmetric lipovitellin-phosvitin dimer in cyclostome yolk platelet crystals: structural and biochemical observations. Lange RH, et al. **J Mol Biol** 1981 Jun 5;148(4):487-91

Crystallization, crystal structure analysis and molecular model of the third domain of Japanese quail ovomucoid, a Kazal type inhibitor. Weber E, et al. **J Mol Biol** 1981 Jun 15;149(1):109-23

ADVERSE EFFECTS

Clinical and metabolic abnormalities in a boy with dietary deficiency of biotin. Sweetman L, et al. **Pediatrics** 1981 Oct;68(4):553-8

ANALYSIS

Analytical ion exchange chromatography of proteins. Ardelt W, et al. **Anal Biochem** 1982 Feb;120(1):198-203

The location of structural difference between ovotransferrin types A and B in hens. Rashid AM. **Anim Blood Groups Biochem Genet** 1981;12(4):241-8

Polymorphism of yolk proteins in the interspecific hybrids of ducks. Csuka J, et al. **Comp Biochem Physiol [B]** 1982; 71B(1):139-40

Translational diffusion in the plasma membrane of sea urchin eggs. Peters R, et al. **Dev Biol** 1981 Sep;86(2):285-93

The primary structure of hen ovotransferrin. Williams J, et al. **Eur J Biochem** 1982 Feb;122(2):297-303

Comparison of the nucleotide sequence of cloned DNA coding for an apolipoprotein (apo VLDL-II) from avian blood and the amino acid sequence of an egg-yolk protein (apovitellenin I): equivalence of the two sequences. Dugaiczyk A, et al. **Gene** 1981 Aug;14(3):175-82

Comparative study of aggregated and disaggregated ovomucin during egg white thinning. Kato A, et al. **J Agric Food Chem** 1981 Jul-Aug;29(4):821-3

Identification of the trimannosyl-chitobiose structure in sugar moieties of Japanese quail ovomucoid. Hase S, et al. **J Biochem (Tokyo)** 1982 Feb;91(2):735-7

Thermodynamics of association of 8-substituted riboflavins with egg white riboflavin binding protein. Matsui K, et al. **J Biochem (Tokyo)** 1982 Feb;91(2):469-75

BIOSYNTHESIS

Autoradiographic studies of protein and polysaccharide synthesis during vitellogenesis in Drosophila. Koch EA, et al. **Cell Tissue Res** 1982;224(2):315-33

Reevaluation of cell surface protein release at fertilization and its role in regulation of sea urchin egg protein synthesis. Carroll EJ Jr, et al. **Dev Biol** 1981 Oct 30;87(2):374-8

The mechanism for increased protein synthesis during Xenopus oocyte maturation. Richter JD, et al. **Dev Biol** 1982 Jan;89(1):159-67

Translationally mediated changes in patterns of protein synthesis during maturation of starfish oocytes. Rosenthal ET, et al. **Dev Biol** 1982 May;91(1):215-20

Protein synthesis during maturation promoting factor- and progesterone-induced maturation in Xenopus oocytes. Wasserman WJ, et al. **Dev Biol** 1982 Jan;89(1):152-8

The role of the maturation-promoting factor in controlling protein synthesis in Xenopus oocytes. Wasserman WJ. **Dev Biol** 1982 Apr;90(2):445-7

Hormonal control of yolk protein synthesis in the amphibian liver: a model for the study of estrogen action. Wittliff JL, et al. **Prog Clin Biol Res** 1981;74:339-73 (41 ref.)

GENETICS

Thiamin deposition in eggs is not dependent on riboflavin-binding protein. Miller MS, et al. **Biochem J** 1981 Jul 15;198(1):225-6

Evolutionary mechanisms for eucaryotic genes. O'Malley BW, et al. **Cardiovasc Res Cent Bull** 1980 Oct-Dec; 19(2):41-55

The organization and amplification of two chromosomal domains containing Drosophila chorion genes. Spradling AC. **Cell** 1981 Nov;27(1 Pt 2):193-201

The complete nucleotide sequence of the chicken ovotransferrin mRNA. Jeltsch JM, et al. **Eur J Biochem** 1982 Feb;122(2):291-5

Transcript maps of Drosophila yolk protein genes. Hung MC, et al. **J Mol Biol** 1982 Feb 5;154(4):581-602

The evolution of a complex eucaryotic gene. O'Malley BW, et al. **Metabolism** 1982 Jul;31(7):646-53

Evolution of a multigene family of chorion proteins in silkmoths. Rodakis GC, et al. **Mol Cell Biol** 1982 May; 2(5):554-63

Vitellogenin in Drosophila melanogaster: a comparison of the YP1 and YP11 genes and their transcription products. Hovemann B, et al. **Nucleic Acids Res** 1982 Apr 10; 10(7):2261-74

The sequence of the Drosophila melanogaster gene for yolk protein 1. Hung MC, et al. **Nucleic Acids Res** 1981 Dec 11;9(23):6407-19

Hybridization-selected translation of Bombyx mori high-cysteine chorion proteins in Xenopus laevis oocytes. Bock SC, et al. **Proc Natl Acad Sci USA** 1982 Feb; 79(4):1032-6

The conalbumin 'TATA' box sequence and the SV40 72 base-pair repeat region influence expression of a chimeric gene in vivo. Wasylyk B, et al. **Prog Clin Biol Res** 1982; 85 Pt A:13-24

IMMUNOLOGY

Egg globulins in rapid virus diagnosis. Gardner PS, et al. **J Virol Methods** 1982 May;4(4-5):257-62

ISOLATION & PURIFICATION

Nature of the thiamin-binding protein from chicken egg yolk. Muniyappa K, et al. **Biochem J** 1981 Mar 1;193(3):679-85

Isolation, characterization, and amino acid sequence of a ubiquitin-like protein from insect eggs. Gavilanes JG, et al. **J Biol Chem** 1982 Sep 10;257(17):10267-70

METABOLISM

Calorimetric studies of flavin-binding proteins: FMN and FAD binding to hen egg riboflavin-binding proteins. Nowak HP, et al. **Arch Biochem Biophys** 1982 Mar; 214(1):231-8

Evolutionary significance of the renal excretion of transferrin half-molecule fragments. Williams J, et al. **Biochem J** 1982 Feb 1;201(2):417-9

The identification of protected tyrosine residues in iron-ovotransferrin. Williams J. **Biochem J** 1982 Mar 1; 201(3):647-51

Carbohydrate compositional effects on tissue distribution of chicken riboflavin-binding protein. Miller MS, et al. **Biochim Biophys Acta** 1982 Mar 15;715(1):126-36

An affinity label for the anion binding site in ovotransferrin. Implications for iron release to reticulocytes. Patch MG, et al. **Biochim Biophys Acta** 1982 Jan 18;700(2):217-20

Effects of cholera toxin and actinomycin on synthesis of [35s]methionine-labeled proteins during progesterone-induced maturation of Xenopus laevis oocytes. YoungLai EV, et al. **Dev Biol** 1982 May; 91(1):36-42

Secretion of protein by the fertilized mouse ovum. Brinster RL, et al. **Exp Cell Res** 1981 Aug;134(2):291-6

Thermodynamics of association of egg yolk riboflavin binding protein with 8-substituted riboflavins. Comparison with the egg white protein. Matsui K, et al. **J Biochem (Tokyo)** 1982 Apr;91(4):1357-62

The binding of flavin derivatives to the riboflavin-binding protein of egg white. A kinetic and thermodynamic study. Becvar J, et al. **J Biol Chem** 1982 May 25;257(10):5607-17

Structure and function of ovotransferrin. II. Iron-transferring activity of iron-binding fragments of ovotransferrin with chicken embryo red cells. Keung WM, et al. **J Biol Chem** 1982 Feb 10;257(3):1184-8

Structure and function of ovotransferrin. I. Production of iron-binding fragments from iron-ovotransferrin by the action of immobilized subtilisin. Purification and characterization of the fragments. Keung WM, et al. **J Biol Chem** 1982 Feb 10;257(3):1177-83

Dephosphorylation of chicken riboflavin-binding protein and phosvitin decreases their uptake by oocytes. Miller MS, et al. **J Biol Chem** 1982 Jun 25;257(12):6818-24

Sciatin is a transferrin-like polypeptide. Markelonis GJ, et al. **J Neurochem** 1982 Aug;39(2):315-20

Plasma variation of transferrin-iron and phosvitin-iron during the laying period in chicken hens. Lopez-Berjes MA, et al. **Poult Sci** 1981 Aug;60(8):1951-6

PHARMACODYNAMICS

Antibacterial activity of matrix-bound ovotransferrin. Valenti P, et al. **Antimicrob Agents Chemother** 1982 May; 21(5):840-1

Ozone inactivation of anti-elastase activity of chicken ovoinhibitor and human alpha-1-proteinase inhibitor. Sharman MC, et al. **Biochem Biophys Res Commun** 1981 Sep 30;102(2):640-5

Thermodynamics and kinetics of single residue replacements in avian ovomucoid third domains: effect on inhibitor interactions with serine proteinases. Empie MW, et al. **Biochemistry** 1982 May 11;21(10):2274-84

Resistance of genus Proteus to ovotransferrin. Valenti P, et al. **Boll Ist Sieroter Milan** 1981;60(4):284-7

Inhibition of porcine elastase II by chicken ovoinhibitor. Vered M, et al. **Int J Pept Protein Res** 1981 Aug; 18(2):169-79

Study of a growth factor for Mycobacterium lepraemurium grown in the Ogawa yolk medium. II. Egg yolk protein

fraction and effect of reducing reagents. Mori T, et al. **Nippon Rai Gakkai Zasshi** 1981 Jul-Sep;50(3):105-15

Iron mediated methylthiolation of tRNA as a regulator of operon expression in Escherichia coli. Buck M, et al. **Nucleic Acids Res** 1982 Apr 24;10(8):2609-24

[Effect of conalbumin on stimulation by phytomitogens and on rosette E formation of human peripheral lymphocytes of normal subject] Mantovani G, et al. **Boll Ist Sieroter Milan** 1981;60(6):526-34 (Eng. Abstr.) **(Ita)**

PHYSIOLOGY

Mammalian sperm-egg interaction: fertilization of mouse eggs triggers modification of the major zona pellucida glycoprotein, ZP2. Bleil JD, et al. **Dev Biol** 1981 Aug; 86(1):189-97

Mechanism of foetal wastage following immunoneutralisation of riboflavin carrier protein in the pregnant rat. Murty CV, et al. **FEBS Lett** 1981 Dec 7;135(2):281-4

EGG SHELL

Comparison of p-p'-DDE and o-p'-DDE on eggshell thickness and Ca binding activity of shell gland in ducks. Lundholm CE. **Acta Pharmacol Toxicol (Copenh)** 1980 Nov;47(5):377-84

Effect of p-p'-DDE administered in vivo and in vitro on Ca2+ binding and Ca2+-Mg2+-ATPase activity in egg shell gland mucose of ducks. Lundholm CE. **Acta Pharmacol Toxicol (Copenh)** 1982 Feb;50(2):121-9

The influence of gas composition in the air cell on pipping and liver metabolism in embryonic chicks. Wittmann J, et al. **Biochem Exp Biol** 1980;16(4):383-90

Evidence of involvement of aluminum in causation of defective formation of eggshells and of impaired breeding in wild passerine birds. Nyholm NE. **Environ Res** 1981 Dec; 26(2):363-71

Role of diffusion in gas exchange of the avian egg. Rahn H, et al. **Fed Proc** 1982 Apr;41(6):2134-6

Disorders of cholecalciferol metabolism in old egg-laying hens. Abe E, et al. **J Nutr** 1982 Mar;112(3):436-46

Pimpling of egg shells and hatchability in several strains of turkeys. Nestor KE, et al. **Poult Sci** 1981 Aug;60(8):1939-43

In vivo O2 and water vapor permeability of the hen's eggshell during early development. Ackerman RA, et al. **Respir Physiol** 1981 Jul;45(1):1-8

Oxygen permeability of the shell and membranes of chicken eggs during development. Kayar SR, et al. **Respir Physiol** 1981 Dec;46(3):209-21

What is the effective delta PO2 in a gas-phase diffusion system? Paganelli CV, et al. **Respir Physiol** 1981 Jul; 45(1):9-11

ANALYSIS

Chemical characterization of the hen eggshell matrix: isolation of an alkali-resistant peptide. Cortivo R, et al. **J Chromatogr** 1982 Mar 5;237(1):127-35

The relationship of serum calcium to shell weight and other criteria in hens laying a low or high incidence of shell-less eggs. Lennards R, et al. **Poult Sci** 1981 Nov;60(11):2501-5

ULTRASTRUCTURE

Helicoidal architecture of fish eggshell. Grierson JP, et al. **Tissue Cell** 1981;13(4):819-30

EGG WHITE

see related

OVALBUMIN

Complete amino acid sequence of ostrich (Struthio camelus) egg-white lysozyme, a goose-type lysozyme. Schoentgen F, et al. **Eur J Biochem** 1982 Apr;123(3):489-97

Ascaridia galli (Shrank, 1788): An erratic parasite in a fowl's egg albumin. Omran LA. **J Egypt Soc Parasitol** 1982 Jun; 12(1):167-8

Minimum and optimum physiological doses of egg albumin and mutton protein in newly weaned rats. Dibák O, et al. **Physiol Bohemoslov** 1982;31(2):183-92

ADVERSE EFFECTS

A follow-up study of children with food allergy. Clinical course in relation to serum IgE- and IgG-antibody levels to milk, egg and fish. Dannaeus A, et al. **Clin Allergy** 1981 Nov;11(6):533-9

ANALYSIS

Purification and characterization of an acidic trypsin/subtilisin inhibitor from tortoise egg white. Ray AK, et al. **Biochim Biophys Acta** 1982 May 27; 716(2):126-32

Comparative study of aggregated and disaggregated ovomucin during egg white thinning. Kato A, et al. **J Agric Food Chem** 1981 Jul-Aug;29(4):821-3

Identification of residue 103 in hen egg-white lysozyme. Imoto T, et al. **J Biochem (Tokyo)** 1981 Oct;90(4):991-5

Chemical and immunological properties and amino acid sequences of three lysozymes from Peking-duck egg white. Kondo K, et al. **J Biochem (Tokyo)** 1982 Feb;91(2):571-87

Thermodynamics of association of egg yolk riboflavin binding protein with 8-substituted riboflavins. Comparison with the egg white protein. Matsui K, et al. **J Biochem (Tokyo)** 1982 Apr;91(4):1357-62

EGG YOLK

Peripheral avian yolk assemblage and its persistence in the blastoderm, studied by trypan blue-induced fluorescence. Callebaut M, et al. **Anat Embryol (Berl)** 1981;163(1):55-69

Ultrastructural indications for autosynthetic proteinaceous yolk formation in amphibian oocytes. Kress A. **Experientia** 1982 Jul 15;38(7):761-71 (95 ref.)

Eggs: conveniently packaged antibodies. Methods for purification of yolk IgG. Jensenius JC, et al. **J Immunol Methods** 1981;46(1):63-8

Mouse gallbladder emptying by egg yolk: a possible new rapid method for antispasmodic activity evaluation in vivo. Valsecchi B, et al. **J Pharmacol Methods** 1982 May; 7(3):193-5

Hen egg yolk as a source of antiviral antibodies in the enzyme-linked immunosorbent assay (ELISA): a comparison of two plant viruses. Bar-Joseph M, et al. **J Virol Methods** 1980;1(3):179-83

Egg yolk-induced lipolysosome proliferation and fat infiltration of rat liver. Lee M, et al. **Lab Invest** 1982 Aug; 47(2):194-7

Effect of 3-nitro-10 on egg yolk pigmentation. Janky DM, et al. **Poult Sci** 1982 Mar;61(3):573-4

[Changes in the colloidal properties of a water-barium suspension as affected by egg yolk] Tusupbekov ST, et al. **Vestn Rentgenol Radiol** 1981 Jul-Aug;(4):19-22 (Eng. Abstr.) **(Rus)**

ANALYSIS

Formation of antibodies to prostaglandins in the yolk of chicken eggs. Fertel R, et al. **Biochem Biophys Res Commun** 1981 Oct 15;102(3):1028-33

Nature of the thiamin-binding protein from chicken egg yolk. Muniyappa K, et al. **Biochem J** 1981 Mar 1;193(3):679-85

Polymorphism of yolk proteins in the interspecific hybrids of ducks. Csuka J, et al. **Comp Biochem Physiol [B]** 1982; 71B(1):139-40

Spin-label characterisation of the lamellar-to-hexagonal (HII) phase transition in egg phosphatidylethanolamine aqueous dispersions. Hardman PD. **Eur J Biochem** 1982 May;124(1):95-101

Is there really actin around Xenopus laevis yolk platelets? Colombo R. **Experientia** 1982 Mar 15;38(3):408-9

Hen's egg yolk alkaline phosphatase: general characterization and kinetic study with inhibitors. Debruyne I. **Int J Biochem** 1982;14(6):519-28

Transphosphorylation mechanism of hen's egg yolk alkaline phosphatase. Debruyne I. **Int J Biochem** 1982;14(6):529-34

Phospholipase C activity in egg yolk sac of Japanese quail during embryonic development. Fujii M, et al. **Int J Biochem** 1982;14(5):355-7

Thermodynamics of association of egg yolk riboflavin binding protein with 8-substituted riboflavins. Comparison with the egg white protein. Matsui K, et al. **J Biochem (Tokyo)** 1982 Apr;91(4):1357-62

The lipoprotein crystals of cyclostome yolk platelets (Myxine glutinosa L., Lampetra planeri [Bloch], L. fluviatilis [L.]). Lange RH. **J Ultrastruct Res** 1982 Apr;79(1):1-17

Egg globulins in rapid virus diagnosis. Gardner PS, et al. **J Virol Methods** 1982 May;4(4-5):257-62

Study of a growth factor for Mycobacterium lepraemurium grown in the Ogawa yolk medium. II. Egg yolk protein fraction and effect of reducing reagents. Mori T, et al. **Nippon Rai Gakkai Zasshi** 1981 Jul-Sep;50(3):105-15

Lipid composition of tissue and egg yolk from chickens fed yeast grown on N-paraffins. Fujimoto K, et al. **Poult Sci** 1982 May;61(5):1015-8

[Glycoprotein complexes in bull seminal fluid diluted with yolk media] Kichev G, et al. **Vet Med Nauki** 1981; 18(6):52-7 (Eng. Abstr.) **(Bul)**

METABOLISM

Hormonal control of yolk protein synthesis in the amphibian liver: a model for the study of estrogen action. Wittliff JL, et al. **Prog Clin Biol Res** 1981;74:339-73 (41 ref.)

TOXICITY

Production of egg taint by fish meal [letter] Fenwick GR, et al. **Vet Rec** 1981 Sep 26;109(13):292

EGGS

Effect of dietary eggs and ascorbic acid on plasma lipid and lipoprotein cholesterol levels in healthy young men. Buzzard IM, et al. **Am J Clin Nutr** 1982 Jul;36(1):94-105

Does egg feeding (i.e., dietary cholesterol) affect plasma cholesterol levels in humans? The results of a double-blind study. Roberts SL, et al. **Am J Clin Nutr** 1981 Oct; 34(10):2092-9

Major histocompatibility genes in egg-laying hens. Simonsen M, et al. **Am J Reprod Immunol** 1982 Jun;2(3):148-52

Viability of some Salmonella strains in Algerian eggs. Elsarnagawy D. **Arch Inst Pasteur Alger** 1978-79;53:282-90

Selection for high specific gravity of eggs in a flock of Australorp hens. McPhee CP, et al. **Br Poult Sci** 1982 May; 23(3):215-23

South Louisiana crude oil or DDE in the diet of mallard hens: effects on egg quality. Vangilder LD, et al. **Bull Environ Contam Toxicol** 1981 Mar;26(3):328-36

An experience of hen-egg membrane as a biological dressing. Maeda K, et al. **Burns Incl Therm Inj** 1982 May;8(5):313-6

Cryoprotectant penetration and supercooling in the eggs of salmonid fishes. Harvey B, et al. **Cryobiology** 1982 Feb; 19(1):29-40

Eggs: conveniently packaged antibodies. Methods for purification of yolk IgG. Jensenius JC, et al. **J Immunol Methods** 1981;46(1):63-8

Protein requirements of young Chinese male adults on ordinary Chinese mixed diet and egg diet at ordinary levels of energy intake. Huang PC, et al. **J Nutr** 1982 May; 112(5):897-907

Posthatch growth and development of a circadian rhythm for thyroid hormones in chicks incubated at different temperatures. Kühn ER, et al. **Poult Sci** 1982 Mar; 61(3):540-9

Field evaluation of the membrane filter-disc immunoimmobilization technique in the detection of salmonellae in egg products. LaRoche RN, et al. **Poult Sci** 1981 Oct;60(10):2265-9

Relationship between progesterone and egg production in pheasants. Mashaly MM, et al. **Poult Sci** 1982 May; 61(5):982-7

Hatching performance of Cryovac enclosed hatching eggs stored in a high humidity environment. Reinhart BS, et al. **Poult Sci** 1982 Mar;61(3):564-6

The hygienic treatment of turkey eggs by dipping in an antibiotic and disinfectant solution. Voeten AC, et al. **Vet Q** 1982 Apr;4(2):79-83

[Effect of starch and egg products on the development of Bacillus cereus in milk] Stec E. **Rocz Panstw Zaki Hig** 1981;32(2):101-6 (Eng. Abstr.) **(Pol)**

[Causes of wastage of incubated goose eggs. I. Contaminating internal bacterial flora] Cubillos A, et al. **Zentralbl Veterinarmed [B]** 1981;28(2):111-7 (Eng. Abstr.) **(Spa)**

ADVERSE EFFECTS

A case of hyperimmunoglobulinemia E treated with cow's milk and egg-free diet. Rossi P, et al. **Ann Allergy** 1982 Sep;49(3):159-64

Transient cerebral ischaemic attacks related to egg consumption. Ellis ME, et al. **Postgrad Med J** 1981 Oct; 57(672):642-4

[Estimation of specific IgE and IgG antibodies to egg white, ovalbumin and ovomucoid in hen's egg allergy (author's transl)] Mukoyama T, et al. **Arerugi** 1982 Feb;31(2):106-113 (Eng. Abstr.) **(Jpn)**

ANALYSIS

Mercury and organochlorines in eggs from a Norwegian gannet colony. Fimreite N, et al. **Bull Environ Contam Toxicol** 1982 Jan;28(1):58-60

Acid pH and chorionase activity of Atlantic salmon (Salmo salar) eggs. Haya K, et al. **Bull Environ Contam Toxicol** 1981 Jul;27(1):7-12

Determination of residual diaveridine and sulfaquinoxaline in Hen's egg, chicken plasma and tissues by high-performance liquid chromatography. Sakano T, et al. **Chem Pharm Bull (Tokyo)** 1981 Aug;29(8):2290-5

Lead in preserved duck eggs: field screening test and confirmation and quantitation by atomic absorption spectrophotometry and anodic stripping voltammetry. Krinitz B, et al. **J Assoc Off Anal Chem** 1981 Jul; 64(4):1014-6

An investigation into the toxic principle in eggs of the tick Amblyomma hebraeum. Neitz AW, et al. **Onderstepoort J Vet Res** 1981 Jun;48(2):109-117

Organochlorine and metal residues in eggs of waterfowl nesting on islands in Lake Michigan off Door County, Wisconsin, 1977-78. Haseltine SD, et al. **Pestic Monit J** 1981 Sep;15(2):90-7

Effects of branched and straight chain amines and azasteroids on blood and egg cholesterol of White Leghorn chickens. Cecil HC, et al. **Poult Sci** 1981 Apr;60(4):795-804

Residues of strirofos (rabon) in eggs of laying hens treated for northern fowl mite control by dipping. Ivey MC, et al. **Poult Sci** 1982 Mar;61(3):443-6

Total organically-bound chlorine and bromine in Lake Ontario herring gull eggs, 1977, by instrumental neutron activation and chromatographic methods. Norstrom RJ, et al. **Sci Total Environ** 1981 Oct;20(3):217-30

[The effect of adding dried pig feces to the diet of egg-laying hens on the quality of eggs] Gilka J, et al. **Vet Med (Praha)** 1981 Sep;26(9):553-66 (Eng. Abstr.) **(Cze)**

[Method of determining grisin residues in animal husbandry products] Danielova LT, et al. **Antibiotiki** 1981 Oct; 26(10):769-73 (Eng. Abstr.) **(Rus)**

RADIATION EFFECTS

[60Co irradation facility for hens eggs, radiation field parameters and energy absorption in the egg (author's transl)] Giese W, et al. **DTW** 1981 Oct 5;88(10):424-7 (Eng. Abstr.) **(Ger)**

SUPPLY & DISTRIBUTION

Human dilemmas in the production and consumption of food

products of animal origin. Reid JT, et al. **Prog Clin Biol Res** 1981;67:459–69

EGO

An investigation of the influence of parental communications on adolescent ego development. Rashkis HA, et al. **Adolesc Psychiatry** 1981;9:227–35

Expressive language deficits in preschool children and faulty development of the self: description and case study. Rubin SS. **Am J Orthopsychiatry** 1982 Jan;52(1):58–64

Treatment of ego deficits in anorexia nervosa. Zeller CL. **Am J Orthopsychiatry** 1982 Apr;52(2):356–9

Empirical test of Vaillant's hierarchy of ego functions. Battista JR. **Am J Psychiatry** 1982 Mar;139(3):356–7

Self-psychology illustrated on the issue of moral masochism: clinical implications. Menaker E. **Am J Psychoanal** 1981 Winter;41(4):297–305

The self-psychologies of Heinz Kohut and Karen Horney: a comparative examination. van den Daele L. **Am J Psychoanal** 1981 Winter;41(4):327–36

The self: a nodal issue in culture and psyche – an Eastern perspective. Chang SC. **Am J Psychother** 1982 Jan; 36(1):67–81

Level of ego development and psychotherapy outcome in phobic patients. Rock MH, et al. **Br J Med Psychol** 1981 Dec;54(Pt 4):319–28

Intellectual realism: implications for investigations of perceptual perspective taking in young children. Liben LS, et al. **Child Dev** 1981 Sep;52(3):921–4

Reality testing: a neurophysiological fantasy. Noshpitz JD. **Compr Psychiatry** 1982 Jan–Feb;23(1):25–32

Temporal levels and reality testing. Fraser JT. **Int J Psychoanal** 1981;62(Pt 1):3–26

Ego ideal functions and the psychoanalytical process. Mancia M, et al. **Int J Psychoanal** 1981;62(Pt 2):243–9

The ego: an evolving construct. Rothstein A. **Int J Psychoanal** 1981;62(Pt 4):435–45

Ego stage and identity status development: a cross-lag analysis. Adams GR, et al. **J Adolesc** 1981 Jun;4(2):163–71

Psychoanalytic psychotherapy among poverty populations and the therapist's use of the self. Lawrence MM. **J Am Acad Psychoanal** 1982 Apr;10(2):241–55

Multiple identity processes and the development of the observing ego. Scialli JV. **J Am Acad Psychoanal** 1982 Jul; 10(3):387–405

Loss of reality in perversions—with special reference to fetishism. Chasseguet-Smirgel J. **J Am Psychoanal Assoc** 1981;29(3):511–34

Aggression in the service of the ego and the self. Rudolph J. **J Am Psychoanal Assoc** 1981;29(3):559–79

Paternal psychopathology and the emerging ego. Kay DL. **J Anal Psychol** 1981 Jul;26(3):203–19

On ego regression and prior time information effect in schizophrenia. Mo SS, et al. **J Clin Psychol** 1982 Jan; 38(1):34–8

Self psychology and psychotherapy with the elderly: theory and practice. Lazarus LW. **J Geriatr Psychiatry** 1980; 13(1):69–88

Personal identity in the light of brain physiology and cognitive psychology. Wilke JT. **J Med Philos** 1981 Aug; 6(3):323–33

Ego development in opiate addicts. An application of Loevinger's stage model. Wilber CH, et al. **J Nerv Ment Dis** 1982 Apr;170(4):202–8

Effect of insight-oriented group psychotherapeutic processes on client self-actualization. Peretti PO, et al. **Panminerva Med** 1981 Oct–Dec;23(4):253–7

Ego phenomenology in the human twin. Gedda L, et al. **Prog Clin Biol Res** 1981;69 Pt B:149–53

Development and pathology of the self. **Psychiatr Clin North Am** 1981 Dec;4(3):427–560

Physical aspects of the self. A review of some aspects of body image development in childhood. Bauman S. **Psychiatr Clin North Am** 1981 Dec;4(3):455–70

The emergence of meanings and intentions. Mothers' dialogue with normal and language-imparied children. Cohen DJ, et al. **Psychiatr Clin North Am** 1981 Dec; 4(3):489–508

The birth of the psychotherapeutic dialogue and the self. From the autistic prelogue and monologue to the interpersonal dialogue and plurilogue. Ekstein R, et al. **Psychiatr Clin North Am** 1981 Dec;4(3):533–48

Alternative treatment of a young boy with a traumatic psychosis: the rediscovery and reconstitution of the self. McDonald M. **Psychiatr Clin North Am** 1981 Dec; 4(3):509–32

The psychoanalytic concept of the self. McDonald M. **Psychiatr Clin North Am** 1981 Dec;4(3):429–34

Self-pathology in childhood: developmental and clinical considerations. Ornstein A. **Psychiatr Clin North Am** 1981 Dec;4(3):435–53

The pathological sense of self in anorexia nervosa. Rizzuto AM, et al. **Psychiatr Clin North Am** 1981 Dec;4(3):471–87

Some observations on reality testing as a clinical concept. Abend SM. **Psychoanal Q** 1982 Apr;51(2):218–38

Self, identity, and narcissism. Beres D. **Psychoanal Q** 1981; 50(4):515–34

The ego and the vestibulocerebellar system: some theoretical perspectives. Frick RB. **Psychoanal Q** 1982;51(1):93–122

Transference, psychic reality, and countertransference. McLaughlin JT. **Psychoanal Q** 1981;50(4):639–64

Anxiety, symptom formation, and ego autonomy. Ritvo S. **Psychoanal Study Child** 1981;36:339–64

Failure of the defensive functions of the ego in dreams of psychosomatic patients. Levitan HL. **Psychother Psychosom** 1981;36(1):1–7

[The ego functions. A psychoanalytical objective in psychopharmacological research? (author's transl)] D'Haenen H. **Acta Psychiatr Belg** 1981 Sep–Oct; 81(5):452–9 (Eng. Abstr.) **(Fre)**

[Development neurologic principles self consciousness] Berger E, et al. **Acta Paedopsychiatr (Basel)** 1981 Dec; 47(5):253–9 (Eng. Abstr.) **(Ger)**

[Ego–psychopathology of the schizophrenic syndrome. Empirical evidence for a phenomenological model (author's transl)] Scharfetter C, et al. **Nervenarzt** 1982 May; 53(5):262–7 **(Ger)**

[The self and the ego] Fetscher R. **Psyche (Stuttg)** 1981 Jul; 35(7):616–41 (Eng. Abstr.) **(Ger)**

[The American psychoanalysis between ego psychology and self psychology] Köhler L. **Psyche (Stuttg)** 1982 Apr; 36(4):343–54 **(Ger)**

[Diagnostic and therapeutic problems connected with the 'borderline syndrome' or disturbances in the 'self-system' (author's transl)] Rohde-Dachser C. **Psychother Psychosom Med Psychol** 1982 Jan;32(1):14–8 (Eng. Abstr.) **(Ger)**

[The self and happiness feelings] Adam R. **Z Psychosom Med Psychoanal** 1981 Oct–Dec;27(4):301–6 (Eng. Abstr.) **(Ger)**

[Regression in inpatient-analytic psychotherapy. Reflections on indications and treatment strategy from the viewpoint of applied ego psychology] Ermann M. **Z Psychosom Med Psychoanal** 1982;28(2):176–88 (Eng. Abstr.) **(Ger)**

[Experimental study on ego functions of the blind: plastics Rorschach techniques (1) (author's transl)] Betsumiya A. **Shinrigaku Kenkyu** 1981 Jun;52(2):69–77 (Eng. Abstr.) **(Jpn)**

[Psychological aspects of the pregnant woman from the viewpoint of the theory of the ego nucleus] Sevastano H, et al. **Rev Saude Publica** 1981 Feb;15(1):101–10 (Eng. Abstr.) **(Por)**

EGTA see under **ETHYLENE GLYCOLS**

EGYPT 101 VIRUS see **WEST NILE VIRUS**

EHDP see **SODIUM ETIDRONATE**

EHLERS-DANLOS SYNDROME

Ehlers–Danlos syndrome: a case report. Abbas KA, et al. **JPMA** 1981 Jun;31(6):130–2

COMPLICATIONS

Ehlers–Danlos syndrome with abnormal collagen fibrils, sinus of Valsalva aneurysms, myocardial infarction, panacinar emphysema and cerebral heterotopias. Cupo LN, et al. **Am J Med** 1981 Dec;71(6):1051–8

Spontaneous rectus hematoma: occurrence in a patient with Ehlers–Danlos Syndrome Type IV. Nanfro JJ. **Arch Dermatol** 1982 Sep;118(9):695–6

Vascular manifestations in patients with Ehlers–Danlos syndrome. Hunter GC, et al. **Arch Surg** 1982 Apr; 117(4):495–8

Haemoptysis and non–organic upper airways obstruction in a patient with previously undiagnosed Ehlers–Danlos syndrome. Ayres J, et al. **Br J Dis Chest** 1981 Jul; 75(3):309–10

Two cases of Ehlers–Danlos syndrome with gastrointestinal complications. Hayakawa A, et al. **Gastroenterol Jpn** 1982; 17(1):61–7

Aortic rupture in a previously undiagnosed case of the Ehlers–Danlos syndrome. Blickman JG, et al. **Pediatr Radiol** 1982;12(2):86–8

[Pregnancy and labor in patients with Chernogubov–Ehlers–Danlos syndrome] Khechinashvili GG, et al. **Akush Ginekol (Mosk)** 1982 May;(5):34–7 **(Rus)**

DIAGNOSIS

Ehlers–Danlos syndrome: a case report. Wells HH. **J SC Med Assoc** 1982 Jan;78(1):34–5

[Ehlers–Danlos syndrome] Zorin PM, et al. **Khirurgiia (Mosk)** 1981 Aug;(8):75–7 (Eng. Abstr.) **(Rus)**

[Clinical characteristics of a patient with Ehlers–Danlos syndrome] Bochkova DN, et al. **Klin Med (Mosk)** 1982 Feb;60(2):90–3 **(Rus)**

ENZYMOLOGY

Human lysyl hydroxylase: purification to homogeneity, partial characterization and comparison of catalytic properties with those of a mutant enzyme from Ehlers–Danlos syndrome type VI fibroblasts. Turpeenniemi-Hujanen TM, et al. **Coll Relat Res** 1981 Jul; 1(4):355–66

FAMILIAL & GENETIC

An unusual connective tissue disease in mother and son: a 'new' type of Ehlers–Danlos syndrome? Friedman JM, et al. **Clin Genet** 1982 Mar;21(3):168–73

Third case of a distinct variant of the Ehlers–Danlos Syndrome (EDS). Hernández A, et al. **Clin Genet** 1981 Sep;20(3):222–4

METABOLISM

Molecular defects in the Ehlers–Danlos syndrome. Pinnell SR. **J Invest Dermatol** 1982 Jul;79 Suppl 1:90s–92s

PATHOLOGY

Ehlers–Danlos syndrome – type unknown. Stevanović DV, et al. **Dermatol Monatsschr** 1982 Feb;168(2):87–95

PHYSIOPATHOLOGY

Muscle formation in Ehlers–Danlos syndrome. Bilkey WJ, et al. **Arch Phys Med Rehabil** 1981 Sep;62(9):444–8

Molecular mechanisms of connective tissue abnormalities in the Ehlers–Danlos syndrome. Byers PH, et al. **Coll Relat Res** 1981 Sep;1(5):475–89 (54 ref.)

EHRLICH ASCITES TUMOR see **CARCINOMA, EHRLICH TUMOR**

EHRLICHIA see under **RICKETTSIACEAE**

EICOSANOATES see under **EICOSANOIC ACIDS**

EICOSANOIC ACIDS

Eicosanoids: prostaglandins, thromboxanes, leukotrienes, and other derivatives of carbon–20 unsaturated fatty acids. Wolfe LS. **J Neurochem** 1982 Jan;38(1):1–14 (230 ref.)

BLOOD

Metabolism of radioactive 5,8,11,14,17–eicosapentaenoic acid by human platelets. McKean ML, et al. **Prog Lipid Res** 1981;20:435–8

DIAGNOSTIC USE

Diagnosis of Refsum's disease using [1–14C]phytanic acid as substrate. Poulos A. **Clin Genet** 1981 Oct;20(4):247–53

ISOLATION & PURIFICATION

Separation of icosenoic acids, monohydroxyicosenoic acids, and prostaglandins by high–pressure liquid chromatography on a silver ion–loaded cation–exchange column. Powell WS. **Anal Biochem** 1981 Aug;115(2):267–77

METABOLISM

Metabolism of phytanic acid in Refsum's disease. Billimoria JD, et al. **Lancet** 1982 Jan 23;1(8265):194–6

Refsum's disease and metabolism of phytanic acid [letter] Stokke O, et al. **Lancet** 1982 Apr 17;1(8277):906–7

Nutritional and pharmacological factors in eicosanoid biology. Willis AL. **Nutr Rev** 1981 Aug;39(8):289–301 (139 ref.)

The influence of ambient peroxides on the conversion of 5,8,11,14,17–eicosapentaenoic acid to prostaglandins. Lands WE, et al. **Prog Lipid Res** 1981;20:287–90

Tetraene and pentaene leukotrienes: selective production from murine mastocytoma cells after dietary manipulation. Murphy RC, et al. **Prostaglandins** 1981 Oct;22(4):613–22

PHARMACODYNAMICS

Effects of 11–week increases in dietary eicosapentaenoic acid on bleeding time, lipids, and platelet aggregation. Thorngren M, et al. **Lancet** 1981 Nov 28;2(8257):1190–3

Platelet – vessel wall interaction: influence of diet. Dyerberg J. **Philos Trans R Soc Lond [Biol]** 1981 Aug 18; 294(1072):373–81

Effect of precursors of the 1, 2, and 3 series prostaglandins on renin release and renal blood flow in the dog. Gerkens JF, et al. **Prostaglandins** 1981 Oct;22(4):513–20

EICOSATETRAENOIC ACIDS see **ARACHIDONIC ACIDS**

5,8,11,14–EICOSATETRAYNOIC ACID see under **FATTY ACIDS, UNSATURATED**

8,11,14–EICOSATRIENOIC ACID see under **FATTY ACIDS, UNSATURATED**

EIDETIC IMAGERY

'Idiot savants' or special skills [letter] Hill AL. **Am J Psychiatry** 1982 Sep;139(9):1221

Tests of hallucinations of 'Ruth'. Harris J, et al. **Perception** 1981;10(3):351–4

EIMERIA

CLASSIFICATION

Studies on the coccidial species of livestock in Nigeria. I. – Preliminary observation on the prevalence of Eimeria species among a static herd of N'dama cattle. Majaro OM. **Rev Elev Med Vet Pays Trop** 1980;33(3):285–8

DRUG EFFECTS

The treatment of coccidiosis: studies on the sensitivity of recent field isolates of Eimeria acervulina type to anticoccidial drugs given in the drinking water. Chapman HD. **J Comp Pathol** 1982 Apr;92(2):213–8

Studies on the stage of action of ionophorous antibiotics against Eimeria. Long PL, et al. **J Parasitol** 1982 Jun; 68(3):363–71

Experimental development of resistance of amprolium or dinitolmide in Eimeria acervulina and its effect on inhibition of sporulation of oocysts. Mathis GF, et al. **J Parasitol** 1981 Dec;67(6):956–7

Effect of amprolium and dinitolmide on sporulation of oocysts of field isolates of Eimeria acervulina. Mathis GF, et al. **Parasitology** 1981 Oct;83(Pt 2):281–4

Ultrastructural changes in the macrogamete and early oocyst of Eimeria maxima resulting from drug treatment. Pittilo RM, et al. **Parasitology** 1981 Oct;83(Pt 2):285–91

Drug responsiveness of field isolates of chicken Coccidia. Mathis GF, et al. **Poult Sci** 1982 Jan;61(1):38–45

The sensitivity of field isolates of Eimeria acervulina type to monensin. Chapman HD. **Vet Parasitol** 1982 Feb; 9(3–4):179–83

Anticoccidial activity of arprinocid and halofuginone. McQuistion TE, et al. **Vet Parasitol** 1981 Oct;9(1):27–33

[Possibilities of disinfection in coccidiosis (Eimeria, Isospora, Toxoplasma, and Sarcocystis)] Barutzki D, et al. **Berl Munch Tierarztl Wochenschr** 1981 Nov 15; 94(22):451–5 (Eng. Abstr.) **(Ger)**

GROWTH & DEVELOPMENT

Parasite–host relationships during the development of Eimeria dispersa Tyzzer 1929, in the turkey (Meleagris gallopavo gallopavo) with a description of intestinal intra–epithelial leucocytes. Millard BJ, et al. **Parasitology** 1982 Feb;84(1):13–20

Eimeria acervulina and E. mivati: oocysts, life–cycle and ability to develop in the chicken embryo. Norton CC, et al. **Parasitology** 1981 Oct;83(Pt 2):269–79

Eimeria spp. from the chicken: from merozoites to oocysts in embryonated eggs. Shirley MW, et al. **Parasitology** 1981 Oct;83(Pt 2):259–67

Scanning electron microscopy of merogonous stages of Eimeria falciformis var. pragensis in Mus musculus. Pollari FL, et al. **Z Parasitenkd** 1981;66(1):99–108

[Life cycle and cytochemical study of the endogenous developmental stages of Eimeria akeriana (coccidiida, Eimeriidae) from the Asia Minor gerbil] Musaev MA, et al. **Parazitologiia** 1982 Jan–Feb;16(1):18–22 (Eng. Abstr.) **(Rus)**

IMMUNOLOGY

Coccidia parasitism increases resistance of mice to subcutaneous inoculation with Salmonella abortus ovis. Lantier F, et al. **Ann Rech Vet** 1981;12(2):169–72

Development of hybridoma–produced antibodies directed against Eimeria tenella and E. mitis. Danforth HD. **J Parasitol** 1982 Jun;68(3):392–7

Sensitivity and specificity of the indirect fluorescent antibody test in the study of four murine coccidia. Tilahun G, et al. **J Protozool** 1982 Feb;29(1):129–32

A preliminary study of the nature of infection and immunity in chickens given an attenuated line of Eimeria acervulina. McDonald V, et al. **Parasitology** 1982 Feb;84(1):21–30

Influence of hormonal and chemical bursectomy on the development of acquired immunity to coccidia in broiler chickens. Giambrone JJ, et al. **Poult Sci** 1981 Dec; 60(12):2612–8

ISOLATION & PURIFICATION

Attenuation of a strain of Eimeria mivati of U.S. origin by serial embryo passage. Long PL, et al. **Avian Dis** 1982 Apr–Jun;26(2):305–13

The occurrence in Australia of the bovine coccidia Eimeria Bukidnonensis Tubangui 1931 and E. wyomingensis Huizinga and Winger 1942. Parker R. **J Parasitol** 1981 Oct; 67(5):724–5

Eimeria and sarcocystis in raccoons in Illinois. Adams JH, et al. **J Protozool** 1981 May;28(2):221–2

[Dynamics of the incidence of coccidiosis in calves in 4 breeding cycles at the Stará Hlina cattle farm] Pavlásek I. **Vet Med (Praha)** 1982 Apr;27(4):199–208 (Eng. Abstr.) **(Cze)**

[Development of Eimeria tenella, agent of cecal coccidiosis in chickens, in non–specific hosts: existence of an infective exointestinal form] Naciri M, et al. **C R Seances Acad Sci [III]** 1982 Jan 25;294(4):219–21 (Eng. Abstr.) **(Fre)**

[Various aspects of the parasite infestation of Micromesistius poutassou] Lorenz H. **Angew Parasitol** 1981 Nov; 22(4):221–4 **(Ger)**

METABOLISM

Purine metabolism in the protozoan parasite Eimeria tenella. Wang CC, et al. **Proc Natl Acad Sci USA** 1981 Nov; 78(11):6618–22

[Utilization by Eimeria tenella sporozoites (Coccidiida, Sporozoa) of (14C)aspartic and (14C)orotic acids for the biosynthesis of pyrimidine nucleotides] Krylov IuM. **Parazitologiia** 1982 May–Jun;16(3):204–8 **(Rus)**

PATHOGENICITY

The biology and pathogenicity of a recent field isolate of Eimeria praecox Johnson, 1930. Gore TC, et al. **J Protozool** 1982 Feb;29(1):82–5

An egg–adapted (attenuated) line of Eimeria necatrix: further studies on its reproduction, pathogenicity and immunogenicity. Shirley MW, et al. **Parasitology** 1982 Apr; 84(Pt 2):215–26

PHYSIOLOGY

Effect of aging on survival and pathogenicity of Eimeria acervulina and Eimeria acervulina and Eimeria tenella. Ruff MD, et al. **Avian Dis** 1981 Jul–Sep;25(3):595–9

The effect of silica injections on the rejection of Eimeria from nonspecific hosts. Kogut MH, et al. **J Parasitol** 1981 Dec;67(6):960–1

RADIATION EFFECTS

Effect of ultra–violet irradiation on the oocystic zygotes of Eimeria stiedae. Mikhail EG, et al. **J Egypt Soc Parasitol** 1981 Jun;11(1):183–6

ULTRASTRUCTURE

Three–dimensional study of the intact cytoskeleton of coccidian sporozoites. Russell DG, et al. **Int J Parasitol** 1982 Jun;12(2–3):221–6

The role of the cytoskeleton in the motility of coccidian sporozoites. Russell DG, et al. **J Cell Sci** 1981 Aug; 50:345–59

Cytochemical observations on sporozoites of chicken coccidia, Eimeria acervulina, E. hagani, E. maxima, and E. tenella. Nakai Y, et al. **Nippon Juigaku Zasshi** 1981 Oct; 43(5):767–9

Fine structure of the oocyst wall and excystation of Eimeria procyonis from the American raccoon (Procyon lotor). Duszynski DW, et al. **Z Parasitenkd** 1981;65(2):131–6

Fine structural study of Eimeria truncata from the domestic goose (Anser anser dom.). Entzeroth R, et al. **Z Parasitenkd** 1981;66(1):1–7

Fine structure of nuclear division and microgametogony of Eimeria nieschulzi Dieben, 1924. Sibert GJ, et al. **Z Parasitenkd** 1981;66(2):179–89

EIMERIA INFECTIONS see **COCCIDIOSIS**

EISENMENGER COMPLEX

COMPLICATIONS

Fat embolism in Eisenmenger syndrome. Merrill SB. **Anaesthesia** 1981 Nov;36(11):1048–50

[Lumbar epidural and caudal anesthesia for vaginal delivery in Eisenmenger's syndrome (author's transl)] Kubo N, et al. **Masui** 1981 Dec;30(12):1388–95 (Eng. Abstr.) **(Jpn)**

PATHOLOGY

[Evolution and prognosis of the adult Eisenmenger syndrome] Siegert D, et al. **Z Gesamte Inn Med** 1981 Sep 1;36(17):607–11 (Eng. Abstr.) **(Ger)**

PHYSIOPATHOLOGY

Eisenmenger complex and pregnancy. Gummerus M, et al. **Ann Chir Gynaecol** 1981;70(6):339–41

EJACULATION

Motility and morphology of human spermatozoa in split ejaculates. Cohen J, et al. **Andrologia** 1981 Sep–Oct; 13(5):491–8

Freezing of retrograde ejaculate for AIH. Merckx M, et al. **Arch Androl** 1982 Feb;8(1):73–5

Influence of abstinence and ejaculation–to–analysis delay on semen analysis parameters of suspected infertile men. Mortimer D, et al. **Arch Androl** 1982 Jun;8(4):251–6

Influence of electroejaculation on peripheral blood concentrations of corticosteroids, progesterone, LH, and testosterone in bulls. Welsh TH Jr, et al. **Arch Androl** 1981 Nov;7(3):245–50

Surface components of ejaculated chimpanzee sperm. Young LG, et al. **Arch Androl** 1982 Feb;8(1):15–20

Radiographic examinations of electroejaculation in marsupials. Rodger JC, et al. **Biol Reprod** 1981 Jun; 24(5):1125–34

A new proteinaceous factor participating in the rat ejaculate coagulation—identification, isolation and function. Schön E, et al. **Biol Reprod** 1982 Jun;26(5):875–84

Pain on ejaculation after vasectomy [letter] Edwards IS, Errey B. **Br Med J [Clin Res]** 1982 Jun 5;284(6330):1710

An unusual case of retrograde ejaculation and a brief review of management. Virupannavar C, et al. **Fertil Steril** 1982 Feb;37(2):275–6

Effect of long term ejaculation at high frequency on output of sperm, sexual behavior, and fertility of Holstein bulls; relation of reproductive capacity to high nutrient allowance. Almquist JO. **J Dairy Sci** 1982 May; 65(5):814–23

Thoracic spinal cord ependymoma presenting with ejaculatory failure. Case report. Berciano J, et al. **J Neurosurg** 1982 Jan;56(1):143–4

Current concepts of the mechanisms of ejaculation. Normal and abnormal states. Lipshultz LI, et al. **J Reprod Med** 1981 Oct;26(10):499–507

Retarded ejaculation as a function of non–aversive conditioning and discrimination: a hypothesis. Dow MG. **J Sex Marital Ther** 1981 Spring;7(1):49–53

Ejaculation and fertility after extended retroperitoneal lymph node dissection for testicular cancer. Narayan P, et al. **J Urol** 1982 Apr;127(4):685–8

Comparison of the two methods of electroejaculation in the Japanese monkey (Macaca fuscata). Matsubayashi K. **Jikken Dobutsu** 1982 Jan;31(1):1–6

Semen characteristics and fertility of rabbits subjected to exhaustive use. Adams CE, et al. **Lab Anim** 1981 Apr; 15(2):157–61

Urethral plug—a new secondary male sex characteristic in rat and other rodents. Kunstýř I, et al. **Lab Anim** 1982 Apr;16(2):151–5

Reflex ejaculation under vibratory stimulation in paraplegic men. Brindley GS. **Paraplegia** 1981;19(5):299–302

Ejaculation is important for mating–induced testosterone increases in male rhesus monkeys. Herndon JG, et al. **Physiol Behav** 1981 Nov;27(5):873–7

Contribution of prostatic fluid components to the ejaculate. Zaneveld LJ, et al. **Prog Clin Biol Res** 1981;75A:265–77

The female prostate [letter] Longo VJ. **Urology** 1982 Jul; 20(1):108–9

Physical basis of emission, ejaculation, and orgasm in the male. Newman HF, et al. **Urology** 1982 Apr;19(4):341–50 (96 ref.)

[Premature ejaculation, new sex therapies and behavior therapy (author's transl)] Wilmotte J, et al. **Acta Psychiatr Belg** 1981 May–Jun;81(3):308–20 (Eng. Abstr.) **(Fre)**

[Ejaculation inadequacy in sexual disorders] Schröder KH, et al. **Hautarzt** 1982 Jan;33(1):22–5 (Eng. Abstr.) **(Ger)**

[Changes in sexual activity after direct or indirect hyperemization surgery] Lapilli A, et al. **Minerva Urol** 1981 Oct–Dec;33(4):239–44 (Eng. Abstr.) **(Ita)**

[A case report of posterior urethral valve complaining of retrograde ejaculation (author's transl)] Hama T, et al. **Nippon Hinyokika Gakkai Zasshi** 1981 Sep;72(9):1184–7 (Eng. Abstr.) **(Jpn)**

DRUG EFFECTS

Ejaculatory disturbances with amoxapine. **Am J Nurs** 1982 Sep;82(9):1431–2

Case report of painful ejaculation as a side effect of amoxapine. Kulik FA, et al. **Am J Psychiatry** 1982 Feb; 139(2):234–5

Case report of inhibition of ejaculation and retrograde ejaculation as side effects of amoxapine. Schwarcz G. **Am J Psychiatry** 1982 Feb;139(2):233–4

Female orgasmic inhibition by amoxapine [letter] Shen WW. **Am J Psychiatry** 1982 Sep;139(9):1220–1

Partial ejaculatory incompetence: the therapeutic effect of midodrine, an orally active selective alpha–adrenoceptor agonist. Riley AJ, et al. **Eur Urol** 1982;8(3):155–60

Ejaculatory impairment from both phenelzine and imipramine, with tinnitus from phenelzine. Glass RM. **J Clin Psychopharmacol** 1981 May;1(3):152–4

Mechanisms of PCA–induced hypothermia, ejaculation, salivation and irritability in rats. Humphries CR, et al. **Pharmacol Biochem Behav** 1981 Aug;15(2):197–200

Male sexual dysfunction and psychoactive drug use: review of a common relationship. Segraves RT. **Postgrad Med** 1982 Jan;71(1):227–33

Treatment of retrograde ejaculation using imipramine [letter] Brooks ME, et al. **Urology** 1981 Dec;18(6):633

Effect of phenoxybenzamine (dibenzyline) on sexual function in man. Kedia KR, et al. **Urology** 1981 Dec;18(6):620–1

EJACULATORY DUCTS

BLOOD SUPPLY

Microvasculature of the mouse testis and excurrent duct system. Suzuki F. **Am J Anat** 1982 Apr;163(4):309–25

EJECTION SEATS

[Significance of bone density in spinal injuries resulting from seat ejection] Kozlovskiĭ AP, et al. **Kosm Biol Aviakosm Med** 1982 Jan–Feb;16(1):62–3 (Eng. Abstr.) **(Rus)**

EKBOM'S SYNDROME see **RESTLESS LEGS**

ELAEOPHORIASIS see under **FILARIASIS**

ELANTRINE see under **DIBENZAZEPINES**

ELAPID VENOMS

Isolation and properties of lysophospholipases from the venom of an Australian elapid snake, Pseudechis australis. Takasaki C, et al. **Biochem J** 1982 Apr 1;203(1):269–76

Amino–acid sequence of the alpha–subunit of taipoxin, an extremely potent presynaptic neurotoxin from the Australian snake taipan (Oxyuranus s. scutellatus). Lind P, et al. **Eur J Biochem** 1982 Jun;124(3):441–7

The amino acid sequence of a weak trypsin inhibitor B from Dendroaspis Polylepis polylepis (black mamba) venom.

Strydom DJ, et al. **Hoppe Seylers Z Physiol Chem** 1981 Oct;362(10):1377–84

ANALYSIS

Preliminary circular dichroism study of the conformations of intermediates trapped during protein folding. Hollecker M, et al. **Biochimie** 1981 Nov–Dec;63(11–12):835–9

Amino acid sequences of three beta-bungarotoxins (beta 3–, beta 4–, and beta 5– bungarotoxins) from Bungarus multicinctus venom. Amino acid substitutions in the A chains. Kondo K, et al. **J Biochem (Tokyo)** 1982 May; 91(5):1531–48

Amino acid sequence of beta 2-bungarotoxin from Bungarus multicinctus venom. The amino acid substitutions in the B chains. Kondo K, et al. **J Biochem (Tokyo)** 1982 May; 91(5):1519–30

Identification and estimation of a cholinomimetic substance in the venom of Dendroaspis polylepis. Mbugua PM, et al. **Res Commun Chem Pathol Pharmacol** 1982 May; 36(2):187–98

[Effect of postsynaptic neurotoxin XIV from Bungarus fasciatus venom on neuromuscular junction (author's transl)] Sun YA, et al. **Chung Kuo Yao Li Hsueh Pao** 1982 Jun;3(2):90–3 (Eng. Abstr.) **(Chi)**

ANTAGONISTS & INHIBITORS

Protection by atropine against synergistic lethal effects of the Angusticeps-type toxin F7 from eastern green mamba venom and toxin I from black mamba venom. Lee CY, et al. **Toxicon** 1982;20(3):665–7

ISOLATION & PURIFICATION

Isolation, properties and amino acid sequence of a long-chain neurotoxin, Acanthophis antarcticus b, from the venom of an Australian snake (the common death adder, Acanthophis antarcticus). Kim HS, et al. **Biochem J** 1981 Mar 1; 193(3):899–906

The amino acid sequence and position of the free thiol group of a short-chain neurotoxin from common-death-adder (Acanthophis antarcticus) venom. Kim HS, et al. **Biochem J** 1981 Oct 1;199(1):211–8

METABOLISM

The amino acid sequence and position of the free thiol group of a short-chain neurotoxin from common-death-adder (Acanthophis antarcticus) venom. Kim HS, et al. **Biochem J** 1981 Oct 1;199(1):211–8

PHARMACODYNAMICS

Mechanism of neuromuscular blocking effect of the venom of Dendroaspis angusticeps. Identification of pre-and post-synaptic fractions isolated by column chromatography. Wangai J, et al. **Agressologie** 1982 Mar; 23(1):37–40

Myotoxic activity of the crude venom and the principal neurotoxin, taipoxin, of the Australian taipan, Oxyuranus scutellatus. Harris JB, et al. **Br J Pharmacol** 1982 May; 76(1):61–75

Skeletal neuromuscular and smooth muscle effects of whole venom of the green mamba, Dendroaspis angusticeps – I. Wangai J, et al. **Indian J Physiol Pharmacol** 1981 Apr–Jun; 25(2):176–9

Notexin preferentially inhibits the release of newly synthesized acetylcholine from rat brain synaptosomal fractions. Gundersen CB, et al. **J Neurosci** 1981 Oct; 1(10):1113–6

Effects of beta-bungarotoxin and taipoxin on contractions of canine airways caused by nerve stimulation. Hyatt MC, et al. **Life Sci** 1981 Oct 26;29(17):1755–9

A study of the major Australian snake venoms in the monkey (Macaca fascicularis). II. Myolytic and haematological effects of venoms. Sutherland SK, et al. **Pathology** 1981 Oct;13(4):705–15

TOXICITY

In vitro coagulant properties of venoms from Australian snakes. Chester A, et al. **Toxicon** 1982;20(2):501–4

ELASTASE see **PANCREATOPEPTIDASE**

ELASTIC TISSUE

Elastosis perforans serpiginosa associated with systemic sclerosis [letter] May NC, et al. **J Am Acad Dermatol** 1982 May;6(5):945

Congo blue: a rapid stain for elastic fibres. Davies JD, et al. **J Clin Pathol** 1982 Jul;35(7):789–91

[A case of elastosis perforans serpiginosa associated with Pseudoxanthoma elasticum (author's transl)] Takahashi H, et al. **Nippon Hifuka Gakkai Zasshi** 1982 Feb;92(2):91–101 **(Jpn)**

ANALYSIS

Structural studies on the microfibrillar proteins of wool: characterization of the alpha-helix-rich particle produced by chymotryptic digestion. Woods EF, et al. **Aust J Biol Sci** 1981;34(5–6):515–26

[Fluorescence histochemical demonstration of elastic fibers with rhodamine 6 G extra (ethyl ester)] Schmidt T. **Gegenbaurs Morphol Jahrb** 1981;127(5):680–2 **(Ger)**

ANATOMY & HISTOLOGY

The elastic system in the thymus of the opossum Didelphis marsupialis aurita. Savino W. **Anat Anz** 1982;151(1):70–3

Elastic (pseudoelastic tissue in arterioles of the human and dog dental pulp. Hals E, et al. **Scand J Dent Res** 1981 Jun;89(3):218–27

CYTOLOGY

An improved alum hematoxylin method with application of Mayer's hemalum for staining of elastic fibers. Akita M, et al. **Stain Technol** 1981 Sep;56(5):327–8

DRUG EFFECTS

Elastic fiber changes induced by penicillamine [letter] Bardach H, et al. **J Am Acad Dermatol** 1982 Mar; 6(3):398–400

[Penicillamine-induced elastosis perforans serpiginosa and pulmonary cyst in Wilson's disease (author's transl)] Bardach H, et al. **Wien Klin Wochenschr** 1981 Feb 20; 93(4):117–22 (Eng. Abstr.) **(Ger)**

EMBRYOLOGY

Collagen fibril diameters and elastic fibres in the annulus fibrosus of human fetal intervertebral disc. Hickey DS, et al. **J Anat** 1981 Oct;133(Pt 3):351–7

METABOLISM

The role of actinically provoked systemic elastolysis in polymyalgic vascular disease. A study based on serum fluorescence and haptoglobin. O'Brien JP, et al. **Am J Dermatopathol** 1981 Fall;3(3):273–86

The nature of the microfibrillar glycoproteins of elastic fibres. A biosynthetic study. Sear CH, et al. **Biochem J** 1981 Feb 15;194(2):587–98

2-hydroxystilbamidine isethionate: a new fluorochrome for use in general pathology. I. The selective staining of DNA, mucosubstances and elastic fibres. Murgatroyd LB. **Histochemistry** 1982;74(1):107–14

On the molecular mechanism of elastic fiber calcification. Long MM, et al. **Trans Am Soc Artif Intern Organs** 1981; 27:690–6

PATHOLOGY

'Lumpy-bumpy' elastic fibers: a marker signifying long-term administration of penicillamine [letter] Leder LD. **Am J Dermatopathol** 1982 Jun;4(3):285–7

Neurofibroma and elastosis of the gallbladder. Report of an unusual case. Eggleston JF, et al. **Am J Gastroenterol** 1982 May;77(5):335–7

An elastic tissue defect in dermatofibrosis lenticularis disseminata. Buschke-Ollendorff syndrome. Cole GW, et al. **Arch Dermatol** 1982 Jan;118(1):44–6

The formation of elastic fibers in livers with massive hepatic necrosis. Thung SN, et al. **Arch Pathol Lab Med** 1982 Sep; 106(9):468–9

Bronchial collapse in obstructive lung disease. Bowen JH, et al. **Chest** 1981 Oct;80(4):510–3

Prognostic value of measurement of elastosis in breast carcinoma [letter] Davies JD, et al. **J Clin Pathol** 1982 Feb;35(2):245

Elastotic nodules of the ear. Weedon D. **J Cutan Pathol** 1981 Dec;8(6):429–33

Unusual calcified bodies in the submucosal connective tissue of the maxillary sinus. Ide F, et al. **J Nihon Univ Sch Dent** 1981 Dec;23(4):188–94

Elastosis in breast carcinoma. Gădăleanu V, et al. **Morphol Embryol (Bucur)** 1981 Oct–Dec;27(4):347–51

Elastic tissue injury in human acute pancreatitis. Helin H, et al. **Pathol Res Pract** 1981 Jul;172(1–2):170–5

PHYSIOLOGY

On a class of finite deformations of elastic soft tissues. Demiray H, et al. **Bull Math Biol** 1982;44(2):175–92

Comments on 'Static linear and nonlinear elastic properties of normal and arterialized venous tissue in dog and man' which appeared in Circ. Res. 37: 509–520, 1975 [letter] Weigel RJ. **Circ Res** 1981 Dec;49(6):1363–4

PHYSIOPATHOLOGY

Studies on elastic tissue of aorta in aortic dissections and Marfan syndrome. Derouette S, et al. **Pathol Biol (Paris)** 1981 Nov;29(9):539–47

RADIATION EFFECTS

Studies in cutaneous aging: I. The elastic fiber network. Braverman IM, et al. **J Invest Dermatol** 1982 May; 78(5):434–43

ULTRASTRUCTURE

Elastic fibre arrangement in the skin of the pig. Meyer W, et al. **Arch Dermatol Res** 1981;270(4):391–401

Oxytalan fibers in Fuch's endothelial dystrophy. Alexander RA, et al. **Arch Ophthalmol** 1981 Sep;99(9):1622–7

Scanning electron microscopy of dermal elastic fibres in transverse section. Tsuji T. **Br J Dermatol** 1982 May; 106(5):545–50

Elastic fibers associated with collagenous fibrils surrounded by reticular cells in lymph nodes of the rat as revealed by electron microscopy after orcein staining. Miyata K, et al. **Cell Tissue Res** 1981;220(2):445–8

Ultrastructural studies of elastotic material and elastic fibers in aged skin before and after autoclaving. Tsuji T. **J Invest Dermatol** 1981 Dec;77(6):452–7

Contribution of cryotechniques to the study of elastin ultrastructure. Fornieri C, et al. **J Microsc** 1982 Apr;126(Pt 1):87–93

Effect of oxidation upon demonstration of corneal oxytalan fibres: a light and electron microscopical study. Alexander RA, et al. **Med Lab Sci** 1981 Mar;38(2):91–101

[Ultrastructural similarities of secretory processes in arterial smooth muscle cells and elastic cartilage chondrocytes. vacuolar apparatus and microtubules (author's transl)] Chaldakov GN, et al. **Anat Anz** 1981;150(3):327–34 (Eng. Abstr.) **(Ger)**

[Electron microscopic studies of age related changes and changes after topical application of steroid in hairy and hairless mice (author's transl)] Izutani K, et al. **Nippon Hifuka Gakkai Zasshi** 1981 Jun;91(7):763–9 **(Jpn)**

[Relationship between aging of the lung and pulmonary diseases. Comparative study of ultrastructure for senile and emphysematous lungs—on elastic fibers and alveolar fenestrae (author's transl)] Kawakami M. **Nippon Ronen Igakkai Zasshi** 1981 Jul;18(4):220–4 **(Jpn)**

ELASTICA see **RUBBER**

ELASTICITY

Characterization of anisotropic elastic properties of the arteries by exponential and polynomial strain energy functions. Hudetz AG, et al. **Acta Physiol Acad Sci Hung** 1981;57(2):111–22

Effect of acute regional ischemia on pressure in the subepicardium and subendocardium. Sabbah HN, et al. **Am J Physiol** 1982 Feb;242(2):H240–4

Volume elasticity of the ocular avascular compartment in vivo and post mortem. Malessa P, et al. **Biol Cybern** 1982; 43(1):29–34

Solute effects on the mechanical properties of arterial elastin. Bush K, et al. **Connect Tissue Res** 1982;9(3):157–63

Effects of clonidine on aortic elastic modulus and aortic stress in anesthetized rabbits. Friggi A, et al. **Experientia** 1981 Jul 15;37(7):763–4

A viscoelastic model for the mechanical properties of biological materials. Sanjeevi R. **J Biomech** 1982; 15(2):107–9

The mechanical properties of soft tissues—II: the elastic response of arterial segments. Vito RP, et al. **J Biomech** 1980;13(11):951–7

Dynamical study of couple stress effects in human compact bone. Lakes RS. **J Biomech Eng** 1982 Feb;104(1):6–11

Ultrasonic analysis of the Youngs modulus of cortical bone. Bonfield W, et al. **J Biomed Eng** 1982 Jan;4(1):23–7

Uniaxial tension test of human skin in vivo. Wan Abas WA, et al. **J Biomed Eng** 1982 Jan;4(1):65–71

Transvascular fluid shift after blood volume modification in relation to compliances of the total vascular bed and interstitial fluid space. Morimoto T, et al. **Jpn J Physiol** 1981;31(6):869–78

Error analysis for measurement of tissue elastic constant and its practical application. Ohara K, et al. **Nagoya J Med Sci** 1981 Nov;44(1–2):31–40

The elastic constant of tissue in the body estimated from computerized tomography and ultrasonography—theoretical analysis. Sakuma S, et al. **Nagoya J Med Sci** 1981 Nov;44(1–2):41–6

Decrease in stiffness during shortening in calcium activated skinned muscle fibers. Tsuchiya T, et al. **Pflugers Arch** 1982 Feb;392(4):322–6

The elastic constants and ultrastructure organization of regenerated basement membrane (lens capsule). Fisher RF, et al. **Q J Exp Physiol** 1982 Apr;67(2):213–24

[Rheological properties of the terminal intestine in Hirschsprung's disease] Arhan P, et al. **Bull Acad Natl Med (Paris)** 1981 Dec;165(9):1251–7 (Eng. Abstr.) **(Fre)**

ELASTIN

Staining of collagen and elastin in tissue slices with the methyl-benzothiazol-2-on-hydrazone reagent. Horvath A, et al. **Acta Anat (Basel)** 1981;111(4):314–9

Compounding of elastin polypentapeptide to collagen analogue: a potential elastomeric prosthetic material. Urry DW, et al. **Biomater Med Devices Artif Organs** 1981; 9(3):181–94

On fundamental and phenomenological models, structure and mechanical properties of collagen, elastin and glycosaminoglycan complexes. Viidik A, et al. **Biorheology** 1982;19(3):437–51

Solute effects on the mechanical properties of arterial elastin. Bush K, et al. **Connect Tissue Res** 1982;9(3):157–63

Guanidination of the lysine residues present in fibrous elastin and in soluble elastin peptides. Guay M, et al. **Connect Tissue Res** 1981;9(2):127–30

Irradiation crosslinking of the polytetrapeptide of elastin and compounding to dacron to produce a potential prosthetic

material with elasticity and strength. Urry DW, et al. **J Biomed Mater Res** 1982 Jan;16(1):11–6

Structure of the elastic fiber: an overview. Sandberg LB, et al. **J Invest Dermatol** 1982 Jul;79 Suppl 1:128s–132s

Contribution of cryotechniques to the study of elastin ultrastructure. Fornieri C, et al. **J Microsc** 1982 Apr;126(Pt 1):87–93

Analysis of the crosslinking components in collagen and elastin. Robins SP. **Methods Biochem Anal** 1982;28:329–79 (185 ref.)

ANALOGS & DERIVATIVES

Resistance of tropoelastin and elastin peptides to degradation by alpha 2-macroglobulin-protease complexes. Kueppers F, et al. **Arch Biochem Biophys** 1981 Oct 1;211(1):143–50

Primary structure of a chick tropoelastin peptide: evidence for a collagen-like amino acid sequence. Smith DW, et al. **Biochem Biophys Res Commun** 1981 Dec 15;103(3):880–5

Modulation of tropoelastin production and elastin messenger ribonucleic acid activity in developing sheep lung. Shibahara SU, et al. **Biochemistry** 1981 Nov 10; 20(23):6577–84

Interaction of a tropoelastin model with connective tissue components. Velebný V, et al. **Connect Tissue Res** 1981; 9(1):63–8

Chemotactic responses of fibroblasts to tropoelastin and elastin-derived peptides. Senior RM, et al. **J Clin Invest** 1982 Sep;70(3):614–8

Preparation of antiserum to tropoelastin. Foster JA, et al. **Methods Enzymol** 1982;82 Pt A:762–5

Biosynthesis of soluble elastin in organ and cell culture. Rosenbloom J. **Methods Enzymol** 1982;82 Pt A:716–31

ANALYSIS

Conclusive evidence for the presence of elastin in human and monkey cervix. Leppert PC, et al. **Am J Obstet Gynecol** 1982 Jan 15;142(2):179–82

A collagen-like glycoprotein from elastin-rich tissues. Gibson MA, et al. **Biochem Biophys Res Commun** 1982 Apr 29;105(4):1288–95

Liquid-chromatographic measurement of elastin. Covault HP, et al. **Clin Chem** 1982 Jul;28(7):1465–8

Correct for hydroxyproline in elastin when measuring collagen in tissues with a high elastin content [letter] Dietz AA, et al. **Clin Chem** 1982 Jul;28(7):1709

Distribution of pseudo-elastica and elastin in some human tissues during postnatal life. A light microscopy study. Fakan F, et al. **Folia Morphol (Praha)** 1982;30(1):64–9

Primary structure of insoluble elastin. Anwar RA. **Methods Enzymol** 1982;82 Pt A:606–15

Characterization of soluble peptides of elastin by physical techniques. Urry DW. **Methods Enzymol** 1982;82 Pt A:673–716

Partial characterization of peptide fragment purified by isoelectrofocusing after organo alkaline hydrolysis of bovine ligamentum nuchae elastin. Han KK, et al. **Paroi Arterielle** 1981;7(2):77–83

[Determination of aortic medial tissue elastin and collagen in stroke-prone spontaneously hypertensive rats (author's transl)] Hasegawa M, et al. **Nippon Ronen Igakkai Zasshi** 1981 Sep;18(5):336–41 (Eng. Abstr.) **(Jpn)**

BIOSYNTHESIS

Optimal conditions for cell-free synthesis of elastin. Karr SR, et al. **Coll Relat Res** 1981;1(1):73–81

The synthesis of elastin, collagen, and glycosaminoglycans by high density primary cultures of neonatal rat aortic smooth muscle. An ultrastructural and biochemical study. Oakes BW, et al. **Eur J Cell Biol** 1982 Apr;27(1):34–46

Effects of soybean phospholipid, chlorella phospholipid, and clofibrate on collagen and elastin synthesis in the aorta and on the serum and liver lipid contents in rats. Hashimoto S, et al. **Exp Mol Pathol** 1982 Feb;36(1):99–106

Elastin synthesis by ligamentum nuchae fibroblasts: effects of culture conditions and extracellular matrix on elastin production. Mecham RP, et al. **J Cell Biol** 1981 Aug; 90(2):332–8

Control of elastin synthesis. Burnett W, et al. **J Invest Dermatol** 1982 Jul;79 Suppl 1:138s–145s

Abnormalities in copper metabolism and disturbances in the synthesis of collagen and elastin. Kivirikko KI, et al. **Med Biol** 1982 Apr;60(2):45–8 (26 ref.)

Elastin structure and biosynthesis: an overview. Foster JA. **Methods Enzymol** 1982;82 Pt A:559–70

Cell-free translation of elastin mRNAs. Foster JA, et al. **Methods Enzymol** 1982;82 Pt A:731–43

Biosynthesis of insoluble elastin in cell and organ cultures. Franzblau C, et al. **Methods Enzymol** 1982;82 Pt A:615–37

Lysyl oxidase: preparation and role in elastin biosynthesis. Kagan HM, et al. **Methods Enzymol** 1982;82 Pt A:637–50

Biosynthesis of soluble elastin in organ and cell culture. Rosenbloom J. **Methods Enzymol** 1982;82 Pt A:716–31

Production and isolation of soluble elastin from copper-deficient swine. Sandberg LB, et al. **Methods Enzymol** 1982;82 Pt A:659–65

Roles for iron and copper in connective tissue biosynthesis. O'Dell BL. **Philos Trans R Soc Lond [Biol]** 1981 Aug 14; 294(1071):91–104

BLOOD

Solid-phase radioimmunoassay for estimation of elastin peptides in human sera. Darnule TV, et al. **Anal Biochem** 1982 May 15;122(2):302–7

DIAGNOSTIC USE

[Results of leukocyte migration inhibition test against elastin in joint diseases (author's transl)] Loeper J, et al. **Pathol Biol (Paris)** 1981 Dec;29(10):609–12 (Eng. Abstr.) **(Fre)**

GENETICS

Modulation of tropoelastin production and elastin messenger ribonucleic acid activity in developing sheep lung. Shibahara SU, et al. **Biochemistry** 1981 Nov 10; 20(23):6577–84

Differential expression of aortic and lung elastin genes during chick embryogenesis. Barrineau LL, et al. **Dev Biol** 1981 Oct 15;87(1):46–51

Analysis of elastin gene expression in the developing chick aorta using cloned elastin cDNA. Burnett W, et al. **J Biol Chem** 1982 Feb 25;257(4):1569–72

Regulation of elastin synthesis in developing sheep nuchal ligament by elastin mRNA levels. Davidson JM, et al. **J Biol Chem** 1982 Jan 25;257(2):747–54

The molecular aspects of elastin gene expression. Davidson JM, et al. **J Invest Dermatol** 1982 Jul;79 Suppl 1:133s–137s

IMMUNOLOGY

Antigenicity of elastin: characterization of major antigenic determinants on purified insoluble elastin. Mecham RP, et al. **Biochemistry** 1982 Feb 16;21(4):669–73

Antibodies to insoluble and solubilized elastin. Mecham RP, et al. **Methods Enzymol** 1982;82 Pt A:744–59

ISOLATION & PURIFICATION

A simple procedure for the separation of insoluble collagen and elastin. Davis PF, et al. **Anal Biochem** 1981 Jul 15; 115(1):11–7

The microfibrillar components of porcine lung elastic fiber. Richmond VL. **Biochim Biophys Acta** 1981 Jul 28; 669(2):193–205

Elastin isolation and cross-linking. Paz MA, et al. **Methods Enzymol** 1982;82 Pt A:571–87

Isolation of soluble elastin-lathyrism. Rich CB, et al. **Methods Enzymol** 1982;82 Pt A:665–73

Isolation of soluble elastin from copper-deficient chick aorta. Rucker RB. **Methods Enzymol** 1982;82 Pt A:650–7

METABOLISM

Resistance of tropoelastin and elastin peptides to degradation by alpha 2-macroglobulin-protease complexes. Kueppers F, et al. **Arch Biochem Biophys** 1981 Oct 1;211(1):143–50

3-Hydroxypyridinium cross-links in lathyritic tissues. Deyl Z, et al. **Biochem Biophys Res Commun** 1981 Aug 14; 101(3):1026–30

Variations in aortal elastin composition after atherogenic diet feeding in rats. Possible involvement of two different elastin types. Deyl Z, et al. **Biochem Biophys Res Commun** 1982 May 14;106(1):94–100

Elastin degradation by proteases from cultured human breast cancer cells. Kao RT, et al. **Biochem Biophys Res Commun** 1982 Mar 15;105(1):383–9

Reactivity of human leukocyte elastase and porcine pancreatic elastase toward peptide 4-nitroanilides containing model desmosine residues. Evidence that human leukocyte elastase is selective for cross-linked regions of elastin. Yasutake A, et al. **Biochemistry** 1981 Jun 23; 20(13):3675–9

The effect of age on the unfolding of elastin lamellae and collagen fibers with stretch in human carotid arteries. Samila ZJ, et al. **Can J Physiol Pharmacol** 1981 Oct; 59(10):1050–7

Interaction of a tropoelastin model with connective tissue components. Velebný V, et al. **Connect Tissue Res** 1981; 9(1):63–8

Rapid method for the purification of the elastin cross-links, desmosine and isodesmosine. Skinner SJ. **J Chromatogr** 1982 Apr 16;229(1):200–4

Structure-function relationship in the evolution of elastin. Sage H. **J Invest Dermatol** 1982 Jul;79 Suppl 1:146s–153s

Elastin in diseases. Uitto J, et al. **J Invest Dermatol** 1982 Jul;79 Suppl 1:160s–168s

Elastases and elastin degradation. Werb Z, et al. **J Invest Dermatol** 1982 Jul;79 Suppl 1:154s–159s (40 ref.)

Dietary cadmium, zinc and copper: effects on chick lung morphology and elastin cross-linking. Lefevre M, et al. **J Nutr** 1982 Jul;112(7):1344–52

Changes in pyridinoline content of elastin during ontogeny. Deyl Z, et al. **Mech Ageing Dev** 1981 Dec;17(4):321–5

Proteolysis of insoluble elastin. Stone PJ, et al. **Methods Enzymol** 1982;82 Pt A:588–605

Corneal elastosis in lattice corneal dystrophy: a clinicopathologic report. Dubord PJ, et al. **Ophthalmology (Rochester)** 1981 Dec;88(12):1239–43

Accessibility of epsilon-amino groups of lysine to guanidination in kappa-elastin from bovine ligamentum nuchae. Han K, et al. **Paroi Arterielle** 1981;7(1):37–40

Pharmacological studies on elastin peptides (kappa-elastin). Blood clearance, percutaneous penetration and tissue distribution. Ménasche M, et al. **Pathol Biol (Paris)** 1981 Nov;29(9):548–54

The interaction of tumor localizing porphyrins with collagen and elastin. Musser DA, et al. **Res Commun Chem Pathol Pharmacol** 1982 May; 36(2):251–9

[Resistance of native and fixed fibrillar proteins of the blood vessel wall to the action of proteases] Rebrova GA, et al. **Vopr Med Khim** 1981 Sep-Oct;27(5):694–8 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

The retained elasticity of elastin under fixation agents. Fung YC, et al. **J Biomech Eng** 1981 May;103(2):121–2

The effect of incomplete fixation of elastin on the appearance of pulmonary alveoli. Sobin SS, et al. **J Biomech Eng** 1982 Feb;104(1):68–71

Chemotactic responses of fibroblasts to tropoelastin and elastin-derived peptides. Senior RM, et al. **J Clin Invest** 1982 Sep;70(3):614–8

ELASTOMERS see **RUBBER**

ELASTOMERS, SILICONE see **SILICONE ELASTOMERS**

ELBOW

Avulsion of the triceps tendon. Farrar EL 3d, et al. **Clin Orthop** 1981 Nov-Dec;(161):242–6

Ulnar nerve palsy as a complication of synovial osteochondromatosis of the elbow. Fahmy NR, et al. **Hand** 1981 Oct;13(3):308–10

Pronator syndrome due to thickened bicipital aponeurosis. Martinelli P, et al. **J Neurol Neurosurg Psychiatry** 1982 Feb;45(2):181–2

Osteochondritis dissecans of the capitellum. Mitsunaga MM, et al. **J Trauma** 1982 Jan;22(1):53–5

Electronic games [letter] Greene JS, et al. **JAMA** 1982 Sep 17;248(11):1308

Pronator syndrome. Wiggins CE. **South Med J** 1982 Feb; 75(2):240–1

[Median nerve compression syndrome at the elbow (author's transl)] Souquet R, et al. **Ann Chir** 1981 Nov;35(9 Pt 2):718–802 (Eng. Abstr.) **(Fre)**

ABNORMALITIES

[Radiocubital congenital synostosis. Report on one case in two uniovular female twins (author's transl)] de la Caffiniere JY, et al. **Chir Pediatr** 1982 Mar-Apr; 23(2):129–32 **(Fre)**

BLOOD SUPPLY

Patterns of superficial veins of the cubital fossa in Nigerian subjects. Singh JD. **Acta Anat (Basel)** 1982;112(3):217–9

DRUG EFFECTS

The activity of anconeus during voluntary elbow extension: the effect of lidocaine blocking of the muscle. Le Bozec S, et al. **Electromyogr Clin Neurophysiol** 1982 May-Jun; 22(4):265–75

INJURIES

The radial head, capitellum view: useful technique in elbow trauma. Greenspan A, et al. **AJR** 1982 Jun;138(6):1186–8

Elbow injury in women's gymnastics. Priest JD, et al. **Am J Sports Med** 1981 Sep-Oct;9(5):288–95

Fractures and dislocations about the elbow in the head-injured adult. Garland DE, et al. **Clin Orthop** 1982 Aug;(168):38–41

Fracture of the proximal shaft of the radius associated with posterior dislocation of the elbow. A case report and review of the literature. Walker RH, et al. **Clin Orthop** 1982 Aug;(168):35–7

Fractures of the elbow in children. D'Ambrosia R, et al. **Pediatr Ann** 1982 Jun;11(6):541–8, 550–3

Elbow injuries in the Himalayas. Horsley J, et al. **Practitioner** 1982 Apr;226(1366):725–8

[Life and death of an aneurysmal cyst (author's transl)] Gaillard S, et al. **Ann Radiol (Paris)** 1981 Sep-Oct; 24(6):535–8 (Eng. Abstr.) **(Fre)**

[Techniques for stabilization of fractures of the elbow, wrist and base of the first metacarpal bone using Kirschner pins] Ferro RM. **Med Trop (Mars)** 1982 Mar-Apr;42(2):215–9 **(Fre)**

[Is there a typical Olecranon Fracture? A classification according to anatomical and biomechanical considerations (author's transl)] Lorenz R. **ROFO** 1981 Dec; 135(6):699–703 **(Ger)**

INNERVATION

Ulnar nerve entrapment at the elbow by persistent epitrochleoanconeus muscle. Case report. Gessini L, et al. **J Neurosurg** 1981 Nov;55(5):830–1

[Recurrent dislocation of the ulnar nerve at the elbow (an unusual non-traumatic case)] Gemmati U, et al. **Chir Organi Mov** 1981 May-Jun;66(3):411–4 (Eng. Abstr.) **(Ita)**

MICROBIOLOGY

[Skin flora of the hands, elbow-hollow and fore-arm (author's transl)] Reverdy ME, et al. **Sem Hop Paris** 1982 Jul 1;58(26-27):1617-21 (Eng. Abstr.) **(Fre)**

PHYSIOLOGY

Elbow flexorplasty. An analysis of long-term results. Dutton RO, et al. **J Bone Joint Surg [Am]** 1981 Sep;63A(7):1064-9

PHYSIOPATHOLOGY

Extraneural pressures affecting the ulnar nerve at the elbow. Macnicol MF. **Hand** 1982 Feb;14(1):5-11

SURGERY

Anterior submuscular transposition of the ulnar nerves by the Learmonth technique. Leffert RD. **J Hand Surg** 1982 Mar;7(2):147-55

Latissimus dorsi musculocutaneous flap for elbow flexion. Stern PJ, et al. **J Hand Surg** 1982 Jan;7(1):25-30

[Results of a denervating operation in radial and ulnar humeral epicondylitis] Meine J, et al. **Handchirurgie** 1981; 13(3-4):254-9 (Eng. Abstr.) **(Ger)**

[Surgical rehabilitation of the upper extremity in quadriplegics] Moberg E. **Handchirurgie** 1980; 12(3-4):151-3 (Eng. Abstr.) **(Ger)**

ELBOW JOINT

Left elbow pain and death in a young woman with sickle-cell anemia. **Am J Med** 1982 Aug;73(2):268-82

A magnetically augmented elbow prosthesis: design and biomechanical evaluation. Esformes I, et al. **Bull Hosp Joint Dis** 1981;41:69-80

Adaptation of the VA / USMC electric hand to the Liberty Mutual myoelectric Boston elbow for above-elbow amputees. Leal JM, et al. **Bull Prosthet Res** 1981 Spring; 18(1):56-60

Heterotopic periarticular ossification in burns. Heslop JH. **Burns Incl Therm Inj** 1982 Jul;8(6):436-8

Septic and aseptic olecranon bursitis in patients on maintenance hemodialysis. Jain VK, et al. **Clin Exp Dial Apheresis** 1981;5(4):405-14

Recurrent dislocation of the elbow accompanied by ulnar neuropathy: a case report and review of the literature. Malkawi H. **Clin Orthop** 1981 Nov-Dec;(161):270-4

Personal experience with cryotherapy as a pretreatment procedure in patients undergoing rehabilitation for elbow joint contractures. Yonkov S, et al. **Folia Med (Plovdiv)** 1981;23(3-4):30-3

Silastic prosthetic replacement for the radical head [letter] **J Bone Joint Surg [Am]** 1981 Oct;63A(8):1348-9

Intra-articular osteoid-osteoma of the humerus simulating synovitis of the elbow. A case report. Cronemeyer RL, et al. **J Bone Joint Surg [Am]** 1981 Sep;63A(7):1172-4

Cubitus varus: a new and simple technique for correction. Carlson CS Jr, et al. **J Pediatr Orthop** 1982 Jun; 2(2):199-201

Rupture of a posterior synovial cyst of the elbow. Pirani M, et al. **J Rheumatol** 1982 Jan-Feb;9(1):94-6

Ulnar palsy caused by synovial chondromatosis. Lister JR, et al. **Surg Neurol** 1981 Jun;15(6):428-30

[What is your diagnosis?] Wessinghage D. **Med Klin** 1981 Oct 9;76(21):46, 70 **(Ger)**

[The elbow] **Orthopade** 1981 Sep;10(4):251-343 **(Ger)**

[Osteochondritis dissecans of the elbow joint (author's transl)] Hermans GP. **Orthopade** 1981 Sep;10(4):335-7 **(Ger)**

[Osteochondritis dissecans of the elbow--conservative and operative treatment (author's transl)] Wiasmitinow NP, et al. **Orthopade** 1981 Sep;10(4):330-4 **(Ger)**

[Double-blind comparative trial of lonazolac-Ca versus naproxen in spinal osteoarthrosis, coxarthrosis and gonarthrosis (author's transl)] Siegmeth W, et al. **Wien Klin Wochenschr** 1982 Mar 19;94(6):145-7 (Eng. Abstr.) **(Ger)**

[Congenital ulnar and digital aplasia with elbow dislocation (author's transl)] Arany L, et al. **Magy Traumatol Orthop Helyreallito Sebesz** 1981; 24(4):313-5 **(Hun)**

[Epitrochleitis. Maneuver of obstructed flexion of the hand. Clinical aspects and therapy] Gospodinoff A, et al. **Clin Ter** 1982 Apr 15;101(1):59-64 **(Ita)**

ABNORMALITIES

[Differential diagnosis: patella cubiti] Scholbach M. **Beitr Orthop Traumatol** 1981 Dec;28(12):680-2 **(Ger)**

[Thoughts on the so-called 'radius-capitellum axis' (author's transl)] Schild H, et al. **ROFO** 1982 Feb;136(2):177-81 (Eng. Abstr.) **(Ger)**

ANATOMY & HISTOLOGY

The effect of elbow angle on the isometric strength and endurance of the elbow flexors in men and women. Petrofsky JS, et al. **J Hum Ergol (Tokyo)** 1980 Dec; 9(2):125-31

[Anatomical basis for dislocations and recurring dislocations of the elbow] Ciaudo O, et al. **Bull Assoc Anat (Nancy)** 1980 Dec;64(187):465-76 (Eng. Abstr.) **(Fre)**

BLOOD SUPPLY

[Static scintigraphy using technetium 99 labelled red blood cells] Rigalt JC, et al. **Phlebologie** 1981 Jul-Sep; 34(3):431-44 (Eng. Abstr.) **(Fre)**

INJURIES

Traumatic dislocation of the radial head at birth. Danielsson LG, et al. **Acta Radiol [Diagn] (Stockh)** 1981;22(3B):379-82

The radial head-capitellum view: another example of its usefulness [letter] Greenspan A, et al. **AJR** 1982 Jul; 139(1):193

Elbow problems associated with baseball during childhood and adolescence. Pappas AM. **Clin Orthop** 1982 Apr; (164):30-41

Recurrent traumatic elbow dislocation. Zeier FG. **Clin Orthop** 1982 Sep;(169):211-4

A bipedicled chest wall flap to cover an open elbow joint in a burned infant. Abu-Dalu K, et al. **Injury** 1982 Jan; 13(4):292-3

Fracture of the head of the radius with ulnar displacement of separated fragments. Eid AM. **Injury** 1982 Mar; 13(5):395-9

Fracture of the head of the radius with a tear or avulsion of the triceps tendon. A new syndrome? Levy M, et al. **J Bone Joint Surg [Br]** 1982;64(1):70-2

Entrapment of the median nerve after dislocation of the elbow. St Clair Strange FG. **J Bone Joint Surg [Br]** 1982; 64(2):224-5

Large geode in elbow with spontaneous fracture [letter] Jacobs AJ, et al. **J Rheumatol** 1982 Mar-Apr;9(2):340-1

Post-traumatic osteochondral 'loose body' of the olecranon fossa. An entity which can be mistaken for a normal anatomical variant or osteoid osteoma. Bassett LW, et al. **Radiology** 1981 Dec;141(3):635-8

[Fractures in the elbow region in children] Havránek P, et al. **Rozhl Chir** 1980 Jul;59(7):466-73 (Eng. Abstr.) **(Cze)**

[Recurrent dislocation of the elbow (author's transl)] Ciaudo O, et al. **Rev Chir Orthop** 1982;68(3):207-10 (Eng. Abstr.) **(Fre)**

[Combined fracture-dislocation of both bones of the forearm at the elbow (author's transl)] Marotte JH, et al. **Rev Chir Orthop** 1982;68(2):103-14 (Eng. Abstr.) **(Fre)**

[Fracture of condylus radialis humeri during skeletal growth (author's transl)] von Laer L. **Arch Orthop Trauma Surg** 1981;98(4):275-83 (Eng. Abstr.) **(Ger)**

[A follow-up on traumatic elbow dislocations (author's transl)] de Roguin B, et al. **Orthopade** 1981 Sep; 10(4):287-90 **(Ger)**

[Sport lesions and damages in the elbow (author's transl)] Segesser B. **Orthopade** 1981 Sep;10(4):323-7 **(Ger)**

[Late effects after elbow injuries in children and adolescents--cause, primary treatment (author's transl)] von Laer L. **Orthopade** 1981 Sep;10(4):264-73 **(Ger)**

[Contrast arthrography in the diagnosis of soft tissue injuries round the elbow joint (author's transl)] Weismann J, et al. **ROFO** 1982 Mar;136(3):313-20 (Eng. Abstr.) **(Ger)**

[Posttraumatic soft tissue sarcoma: a case study of a malignant fibrous histiocytoma of the elbow joint which appeared six and a half years after a severe injury] Joss R, et al. **Schweiz Med Wochenschr** 1980 Dec 27;110(52):2021-4 (Eng. Abstr.) **(Ger)**

[Bicondylar intra-articular fractures of the distal end of the humerus. Treatment and results (author's transl)] Müller-Färber J, et al. **Unfallheilkunde** 1981 Dec; 84(12):488-502 (Eng. Abstr.) **(Ger)**

[The primary operative treatment of the ligament lesions following to cubital dislocation (author's transl)] Bárány I, et al. **Magy Traumatol Orthop Helyreallito Sebesz** 1981; 24(3):167-70 (Eng. Abstr.) **(Hun)**

[Fractures of the medial humeral epicondyle in children (author's transl)] Kiss A, et al. **Magy Traumatol Orthop Helyreallito Sebesz** 1981;24(1):1-7 (Eng. Abstr.) **(Hun)**

[ulnar nerve neuropathy at the epitrochlear sulcus] Catalano F, et al. **Arch Putti Chir Organi Mov** 1980;30:143-53 (Eng. Abstr.) **(Ita)**

[Surgical trends in treatment of fractures of the external humeral condyle in children] Bocchi L, et al. **Chir Organi Mov** 1978 Nov-Dec;64(6):605-10 (Eng. Abstr.) **(Ita)**

[Injury of the brachial artery in elbow joint dislocation] Moczydłowski Z, et al. **Chir Narzadow Ruchu Ortop Pol** 1981;46(5):499-501 (Eng. Abstr.) **(Pol)**

[Injuries of the proximal end of the radius in children] Doletskiĭ SIa, et al. **Khirurgiia (Mosk)** 1981 Sep;(9):74-9 (Eng. Abstr.) **(Rus)**

[Acupuncture reflexotherapy of painful contractures in children with fractures in the elbow joint region] Plakseĭchuk IuA, et al. **Ortop Travmatol Protez** 1981 Sep; (9):50-1 **(Rus)**

[Dislocation of elbow joint with lesion of brachial artery] Höier-Madsen K, et al. **Lakartidningen** 1982 Mar 3; 79(9):735 **(Swe)**

INNERVATION

Functional organization of the motor process underlying the transition from movement to posture. Lestienne F, et al. **Brain Res** 1981 Dec 28;230(1-2):121-31

PHYSIOLOGY

Electromyographic response of the elbow flexors to a changing, dislocating force. Hanson CT, et al. **Arch Phys Med Rehabil** 1981 Dec;62(12):631-4

Muscles across the elbow joint: a biomechanical analysis. An KN, et al. **J Biomech** 1981;14(10):659-69

Contribution of kinesthesia on human visuomotor elbow tracking movements. Nagaoka M, et al. **Neurosci Lett** 1981 Nov 4;26(3):245-9

[Biomechanical examinations of the elbow joint (author's transl)] Walker N, et al. **Orthopade** 1981 Sep;10(4):253-5 **(Ger)**

[Orthopedic gravitational geniometer-rotatometer] Isaev ZIa, et al. **Ortop Travmatol Protez** 1981 Oct;(10):58 **(Rus)**

PHYSIOPATHOLOGY

Charcot's elbow (a case report). Bhaskaran R, et al. **J Postgrad Med** 1981 Jul;27(3):194-6

Restoration of elbow flexion and arm contour with the latissimus dorsi myocutaneous flap. Brones MF, et al. **Plast Reconstr Surg** 1982 Feb;69(2):329-32

A functional study of the rheumatoid elbow. Amis AA, et al. **Rheumatol Rehabil** 1982 Aug;21(3):151-7

[The problem of joint function in Monteggia fracture-dislocations] Gualtieri I. **Chir Organi Mov** 1979 Sep-Oct;65(5):575-8 (Eng. Abstr.) **(Ita)**

RADIOGRAPHY

Elbow arthrography. Hudson TM. **Radiol Clin North Am** 1981 Jun;19(2):227-41

Elbow fat pads: a radiography perspective. Griswold R. **Radiol Technol** 1982 Jan-Feb;53(4):303-8

[Opaque arthrography of the elbow. Anatomical and radiological correlations and technical considerations (author's transl)] Godefroy D, et al. **J Radiol** 1981 Aug-Sep;62(8-9):441-7 (Eng. Abstr.) **(Fre)**

[X-ray examination of the elbow joint (author's transl)] Meuli HC. **Orthopade** 1981 Sep;10(4):256-63 **(Ger)**

[A clinical study on arthrography of the elbow joint (author's transl)] Saegusa K. **Nippon Seikeigeka Gakkai Zasshi** 1982 Jan;56(1):1-20 (Eng. Abstr.) **(Jpn)**

[X-ray image of the cavity of a normal elbow joint] Velʹman IuA, et al. **Vestn Rentgenol Radiol** 1982 Jan-Feb;(1):63-6 **(Rus)**

SURGERY

Plastic repairment of interosseal ligaments in the intercrural syndesmosis and distal radioulnar articulation. Evseyev VI. **Acta Chir Plast (Prague)** 1982;24(1):60-7

Median nerve compression on the level of the ligament of Struthers. Case report. Rofes Capo S, et al. **Acta Orthop Belg** 1981;47(6):884-9

Silastic radial head prosthesis in rheumatoid arthritis. Mackay I, et al. **Acta Orthop Scand** 1982 Feb;53(1):63-6

Our operative approach to the elbow joint. Gschwend N. **Arch Orthop Trauma Surg** 1981;98(2):143-6

Total elbow arthroplasty: a clinical review of 30 cases employing the Mayo and AHSC prostheses. Brumfield RH Jr, et al. **Clin Orthop** 1981 Jul-Aug;(158):137-41

Extensive posterior exposure of the elbow. A triceps-sparing approach. Bryan RS, et al. **Clin Orthop** 1982 Jun; (166):188-92

A new technique of fusion for tuberculous arthritis of the elbow. Arafiles RP. **J Bone Joint Surg [Am]** 1981 Dec; 63-A(9):1396-400

Total elbow arthroplasty. A five-year experience at the Mayo Clinic. Morrey BF, et al. **J Bone Joint Surg [Am]** 1981 Sep;63A(7):1050-63

[Radical treatment of prepatellar and radiohumeral bursitis by excision and capitonnage (author's transl)] Bastien J, et al. **Nouv Presse Med** 1982 Mar 13;11(12):937-8 (Eng. Abstr.) **(Fre)**

[Results of synovectomy of the elbow joint (author's transl)] Gschwend N. **Orthopade** 1981 Sep;10(4):338-9 **(Ger)**

[Arthroplastic of the elbow with the gsb-elbow prosthesis (author's transl)] Scherer M, et al. **Orthopade** 1981 Sep; 10(4):340-3 **(Ger)**

[Results of the arthrolysis operation in elbow rigidity] Gualtieri I. **Chir Organi Mov** 1979 Jul-Aug;65(4):463-7 (Eng. Abstr.) **(Ita)**

ELECTRIC ANESTHESIA see **ELECTRONARCOSIS**

ELECTRIC CONDUCTANCE, SKIN see **GALVANIC SKIN RESPONSE**

ELECTRIC CONDUCTIVITY

Electrochemical study of electrode behaviour during bioelectric impedance measurements. Georges B, et al. **Acta Orthop Scand [Suppl]** 1982;196:9-14

Application of the z-transform to biological impedance measurements. Pegoff S, et al. **Acta Orthop Scand [Suppl]** 1982;196:15-8

Microwave-induced increase of water and conductivity in submaxillary salivary gland of rats. Mikolajczyk H. **Bioelectromagnetics** 1981;2(1):51-60

Computer interface and algorithm determines bioelectrode impedance. Scobey RP. **Comput Programs Biomed** 1981 Mar-Jun;13(1-2):3-8

Frequency parameters of the myoelectric signal as a measure of muscle conduction velocity. Stulen FB, et al. **IEEE Trans Biomed Eng** 1981 Jul;28(7):515–23

The kinetics of monazomycin–induced voltage–dependent conductance. I. Proof of the validity of an empirical rate equation. Muller RU, et al. **J Gen Physiol** 1981 Aug; 78(2):171–200

The kinetics of monazomycin–induced voltage–dependent conductance. II. Theory and a demonstration of a form of memory. Muller RU, et al. **J Gen Physiol** 1981 Aug; 78(2):201–29

Conductivity studies of suspension systems in different states of aggregation. Ecanow B, et al. **J Pharm Sci** 1982 Apr; 71(4):456–7

Measurement of direct currents in biological fluids. Barker AT. **Med Biol Eng Comput** 1981 Jul;19(4):507–8

Methods of filtering the heart–beat artefact from the breathing waveform of infants obtained by impedance pneumography. Wilson AJ, et al. **Med Biol Eng Comput** 1982 May;20(3):293–8

Measures of middle ear admittance during experimentally induced changes in middle ear volume in the hamster. Zwillenberg D, et al. **Otolaryngol Head Neck Surg** 1981 Sep–Oct;89(5):856–60

ELECTRIC COUNTERSHOCK

The sparkling joules of internal cardiac stimulation: cardioversion, defibrillation, and ablation. Fisher JD, et al. **Am Heart J** 1982 Jul;104(1):177–81 (16 ref.)

Cardioversion of atrial fibrillation: consideration of embolization, anticoagulation, prophylactic pacemaker, and long–term success. Mancini GB, et al. **Am Heart J** 1982 Sep;104(3):617–21

Clinical transvenous cardioversion of recurrent life–threatening ventricular tachyarrhythmias: low energy synchronized cardioversion of ventricular tachycardia and termination of ventricular fibrillation in patients using a catheter electrode. Zipes DP, et al. **Am Heart J** 1982 May; 103(5):789–94

Management of atrial fibrillation in the post–thyrotoxic state. Nakazawa HK, et al. **Am J Med** 1982 Jun;72(6):903–6

Determinants of intracardiac current in defibrillation. Experimental studies in dogs. Hoyt R, et al. **Circulation** 1981 Oct;64(4):818–23

Hazards associated with chest application of nitroglycerin ointments [letter] Parke JD, et al. **JAMA** 1982 Jul 23; 248(4):427

Abstracts of the Fourth Purdue Conference on Cardiac Defibrillation and Cardiopulmonary Resuscitation. Purdue University September 15–17, 1981. **Med Instrum** 1981 Sep–Oct;15(5):319–28

Determining transthoracic impedance, delivered energy, and peak current during defibrillation episodes. Jones VC, et al. **Med Instrum** 1981 Nov–Dec;15(6):380–2

Influence of paddle–electrode location and size on success of cardioversion [letter] Ewy GA. **N Engl J Med** 1982 Jan 21;306(3):174–5

[Successful cardioversion for auricular fibrillation in pre–excitation syndrome–––2 cases report (author's transl)] Jia GA. **Chung Hua Hsin Hsueh Kuan Ping Tsa Chih** 1980 Sep;8(3):207 **(Chi)**

[An analysis and follow–up study of 229 cardioversions for auricular fibrillation and flutter (author's transl)] Rong WH. **Chung Hua Hsin Hsueh Kuan Ping Tsa Chih** 1981 Jun; 9(2):122–4 **(Chi)**

[Long–term therapeutic effect of cardioversion in atrial fibrillation––with long–term follow up data of 109 cases (author's transl)] Chen CG. **Chung Hua Nei Ko Tsa Chih** 1982 Apr;21(4):193–7 **(Chi)**

[Limits of efficient ventricular defibrillation in myocardial ischemia (experimental documents)] Arnulf G. **Bull Acad Natl Med (Paris)** 1981 Feb;165(2):255–60 (Eng. Abstr.) **(Fre)**

[Abnormal pacing following defibrillation – exit block after microdislocation of the electrode (author's transl)] Wehr M, et al. **Z Kardiol** 1980 Dec;69(12):840–4 (Eng. Abstr.) **(Ger)**

[Extrathoracic stimulation in the management of patients with implanted demand pacemakers] Lőrincz I, et al. **Orv Hetil** 1981 Jul 5;122(27):1647–50 **(Hun)**

[Short–term hospitalization in the treatment of hyperexcitation arrhythmia by electric countershock] Rumiński W, et al. **Wiad Lek** 1981 Oct 1;34(19):1585–90 (Eng. Abstr.) **(Pol)**

[15–year experience with electric countershock in auricular fibrillation] Arrigoni IM, et al. **Kardiologiia** 1981 Oct; 21(10):55–9 (Eng. Abstr.) **(Rus)**

[Value of anti–arrhythmia treatment after correction of stable auricular fibrillation] Arrizoni IM, et al. **Klin Med (Mosk)** 1981 Feb;59(2):70–3 (Eng. Abstr.) **(Rus)**

[Prognosis of late results of electric countershock in the stable form of auricular fibrillation by the statistical analysis of cardiac rhythm] Medostup AV, et al. **Ter Arkh** 1981; 53(8):87–92 (Eng. Abstr.) **(Rus)**

[Case of multiple electric defibrillations of the heart] Vlasenko MA, et al. **Vrach Delo** 1982 Jun;(6):75–8 **(Rus)**

ADVERSE EFFECTS

Acute myocardial infarction due to intracoronary occlusion after elective cardioversion for atrial fibrillation in a patient with angiographic nearly normal coronary arteries. Gonzalez M, et al. **Am Heart J** 1981 Nov;102(5):932–4

Electrical–induced sustained myocardial depolarization as a possible cause for transient ST elevation post–DC elective cardioversion. Zelinger AB, et al. **Am Heart J** 1982 Jun; 103(6):1073–4

Ultrastructural alterations in the fibrous sheath, endocardium, and myocardium of dogs shocked with chronically implanted automatic defibrillator leads. Van Vleet JF, et al. **Am J Vet Res** 1982 May;43(5):909–15

Safety of electrical cardioversion in patients without digitalis toxicity. Ditchey RV, et al. **Ann Intern Med** 1981 Dec; 95(6):676–9

Acceleration of ventricular tachycardia induced by a chest thump. Sclarovsky S, et al. **Chest** 1981 Nov;80(5):596–9

Pacemaker malfunction following transthoracic countershock. Das G, et al. **PACE** 1981 Sep;4(5):487–90

External defibrillation and implanted cardiac pacemakers [editorial] Furman S. **PACE** 1981 Sep;4(5):485–6

Pacemaker failure following external defibrillation. Gould L, et al. **PACE** 1981 Sep;4(5):575–7

[Auricular dissociation evoked by carotid sinus stimulation] Bódis L, et al. **Orv Hetil** 1981 Jul 12;122(28):1719–22 **(Hun)**

[Myocardial damage following cardioversion] Verdejo París J, et al. **Arch Inst Cardiol Mex** 1981 Jul–Aug;51(4):361–4 (Eng. Abstr.) **(Spa)**

INSTRUMENTATION

Successful conversion of out–of–hospital life–threatening arrhythmias with the implanted automatic defibrillator. Mirowski M, et al. **Am Heart J** 1982 Jan;103(1):147–8

Implantable automatic defibrillators: their potential in prevention of sudden coronary death. Mirowski M, et al. **Ann NY Acad Sci** 1982;382:371–80

Low–energy synchronous cardioversion of ventricular tachycardia using a catheter electrode in a canine model of subacute myocardial infarction. Jackman WM, et al. **Circulation** 1982 Jul;66(1):187–95

Automatic defibrillation in man. The initial surgical experience. Watkins L Jr. et al. **J Thorac Cardiovasc Surg** 1981 Oct;82(4):492–500

Trials of automatic implantable defibrillator proceeding well [news] Gunby P. **JAMA** 1982 Mar 19;247(11):1533–4

The modern monitor–defibrillator. A potential source of falsely abnormal ECG recordings. Stein RA, et al. **JAMA** 1981 Oct 9;246(15):1697–8

Clinical conferences at The Johns Hopkins Hospital: ventricular tachycardia and the internal defibrillator. Reid PR, et al. **Johns Hopkins Med J** 1982 Jul;151(1):24–9

Use of an automated external defibrillator–pacemaker by ambulance staff. Jaggarao NS, et al. **Lancet** 1982 Jul 10; 2(8289):73–5

New defibrillator–monitor–pacer [letter] Pacy H. **Med J Aust** 1982 Apr 3;1(7):289

The automatic implantable defibrillator. New Modality for treatment of life–threatening ventricular arrhythmias. Mirowski M, et al. **PACE** 1982 May;5(3):384–401

Pharmacologic and pathologic effects of an automatic implantable defibrillator. Deeb GM, et al. **Trans Am Soc Artif Intern Organs** 1981;27:1–6

METHODS

[Low energy cardiac defibrillation in open heart surgery: report of 100 cases. Shang DY, et al. **Chin Med J [Engl]** 1982 Jan;95(1):53–4

Fentanyl–etomidate anesthesia for cardioversion. Hagemeijer F, et al. **Eur Heart J** 1982 Apr;3(2):155–8

Traceable calibration of a cardiac defibrillator energy meter. Stockton JR, et al. **Med Biol Eng Comput** 1981 Jan; 19(1):40–8

Electrical defibrillation thresholds with transventricular simple–capacitor discharge under conditions of ischemia by acute coronary occlusion. Arredondo MT, et al. **Med Prog Technol** 1982;8(4):175–81

Catheter technique for closed–chest ablation of the atrioventricular conduction system. Gallagher JJ, et al. **N Engl J Med** 1982 Jan 28;306(4):194–200

A tactic of last resort [editorial] Surawicz B. **N Engl J Med** 1982 Jan 28;306(4):234–6

Pacemaker damage due to external countershock in patients with implanted cardiac pacemakers [letter] Alferness CA. **PACE** 1982 May;5(3):457–8

Defibrillation in the calf with bidirectional trapezoidal wave shocks applied via chronically implanted epicardial electrodes. Schuder JC, et al. **Trans Am Soc Artif Intern Organs** 1981;27:467–70

[Experimental study of low–energy intraventricular defibrillation (author's transl)] Zhu Z, et al. **Chung Hua Hsin Hsueh Kuan Ping Tsa Chih** 1981 Jun; 9(2):140–3 (Eng. Abstr.) **(Chi)**

[The transesophageal approach to the heart in electrotherapy of tachycardia. II. Transesophageal cardioversion by means of direct current shock] Volkmann H, et al. **Z Gesamte Inn Med** 1981 Dec 15;36(24):951–7 (Eng. Abstr.) **(Ger)**

[Experience with ambulatory chemical cardioversion] Várnai G. **Orv Hetil** 1982 Jun 27;123(26):1609–13 **(Hun)**

[Experience in using multiple electric defibrillation for atrial fibrillation in ischemic heart disease] Lukoshevichiute AI, et al. **Kardiologiia** 1981 Sep;21(9):38–40 (Eng. Abstr.) **(Rus)**

[Electropulse therapy in the preoperative preparation and postoperative period in thyrotoxic goiter complicated by atrial fibrillation] Bulynin VI, et al. **Vestn Khir** 1982 Jan; 128(1):131–4 **(Rus)**

STANDARDS

Additional observations on transvenous cardioversion of recurrent ventricular tachycardia. Zipes DP, et al. **Am Heart J** 1982 Jul;104(1):163–4

ELECTRIC INJURIES

Laparoscopic bladder injury. Deshmukh AS. **Urology** 1982 Mar;19(3):306–7

COMPLICATIONS

A histopathologic study of bilateral aphakia with a unilateral intraocular lens in a child. Reynolds JD, et al. **Am J Ophthalmol** 1982 Mar;93(3):289–93

Spinal cord injury from electric current: a case report. Vincent FM. **Arch Phys Med Rehabil** 1981 Oct; 62(10):498–500

[Successful plasma exchange in a case of electrical injury complicated with acute renal failure (author's transl)] Hayashi T, et al. **Nippon Naika Gakkai Zasshi** 1982 Apr 10;71(4):507–12 **(Jpn)**

[Papilloedema followed by partial atrophy after electric shock from a high–voltage arc (author's transl)] Janotka H, et al. **Klin Oczna** 1981 Apr–May;83(4–5):263–4 **(Pol)**

[Paralysis of pharyngeal and laryngeal muscles following a high–voltage electric injury complicated by severe head injury] Ozerov KK, et al. **Anesteziol Reanimatol** 1982 May–Jun;(3):75–6 **(Rus)**

DIAGNOSIS

[Is cardiac monitoring required after electrical injuries? (author's transl)] Kirchmair W, et al. **Dtsch Med Wochenschr** 1982 Jun 4;107(22):857–9 (Eng. Abstr.) **(Ger)**

ETIOLOGY

Follow–up of a survivor of intrauterine lightning exposure. Flannery DB, et al. **Am J Obstet Gynecol** 1982 Jan 15; 142(2):238–9

Death from electrocution during auto–erotic procedures. Cairns FJ, et al. **NZ Med J** 1981 Oct 14;94(693):259–60

Little shocks. Lee WR. **Practitioner** 1981 Nov; 225(1361):1679–83

[Sudden death after 'home electrotherapy'] Kósa F, et al. **Arch Kriminol** 1981 Jan–Feb;167(1–2):43–51 (Eng. Abstr.) **(Ger)**

[A remarkable case of suicide by electricity. (A contribution to the problem of Vital Reaction) (author's transl)] Schneider V. **Z Rechtsmed** 1981;87(4):305–13 **(Ger)**

[Myocardial damage following cardioversion] Verdejo París J, et al. **Arch Inst Cardiol Mex** 1981 Jul–Aug;51(4):361–4 (Eng. Abstr.) **(Spa)**

PREVENTION & CONTROL

How can electrical accidents in the operating room be prevented? Monies–Chass I, et al. **Ann Plast Surg** 1982 Mar; 8(3):264–5

['Zemlia–1' device for controlling the protective grounding circuit in medical equipment] Livenson AR, et al. **Med Tekh** 1981 Jul–Aug;(4):47–9 **(Rus)**

REHABILITATION

Rehabilitation following electrical injury [letter] Luce EA. **Ann Plast Surg** 1982 May;8(5):442

THERAPY

High–voltage electrical injury. A case report and review of the literature. Diamond TH, et al. **S Afr Med J** 1982 Feb 27;61(9):318–21 (16 ref.)

[Changes in cardiodynamics in dogs resuscitated after electric trauma] Lanovenko II. **Fiziol Zh** 1982 May;28(3):290–7 (Eng. Abstr.) **(Rus)**

VETERINARY

[Picture report No. 7: accumulation of accidents caused by lightning to cattle in a practice in Schleswig] Genz. **DTW** 1981 Jul 5;88(7):285 **(Ger)**

ELECTRIC ORGAN

ANALYSIS

An analysis by low–angle neutron scattering of the structure of the acetylcholine receptor from Torpedo californica in detergent solution. Wise DS, et al. **Biophys J** 1979 Dec; 28(3):473–96

31P–NMR analysis of synaptic vesicles. Status of ATP and internal pH. Füldner HH, et al. **Eur J Biochem** 1982 Jan; 121(3):519–24

Reconstitution of a functional acetylcholine receptor.

Incorporation into artificial lipid vesicles and pharmacology of the agonist-controlled permeability changes. Popot JL, et al. **Eur J Biochem** 1981 Aug; 118(2):203–14

Antigenic similarities between the subunits of acetylcholine receptor from Torpedo marmorata. Mehraban F, et al. **FEBS Lett** 1982 May 3;141(1):1–5

Enzymatic methylation of the membrane-bound nicotinic acetylcholine receptor. Flynn DD, et al. **J Biol Chem** 1982 Aug 25;257(16):9513–7

Properties of proteoliposomes reconstituted with acetylcholine receptor from Torpedo californica. Huganir RL, et al. **J Biol Chem** 1982 Aug 25;257(16):9372–8

Identification of actin in highly purified synaptic vesicles from the electric organ of Torpedo marmorata. Zechel K, et al. **J Neurochem** 1982 Sep;39(3):788–95

[Experimental rabbit model of myasthenia gravis produced with acetylcholine receptor of nicotinic type from the 'generating organ' of electric ray (author's transl)] Tu LH. **Chung Hua Shen Ching Ching Shen Ko Tsa Chih** 1981 Feb; 14(1):16–8 **(Chi)**

DRUG EFFECTS

Cholinergic inhibition of acetylcholine release in the electric organ of Torpedo. Dunant Y, et al. **Eur J Pharmacol** 1982 Feb 26;78(2):201–12

EMBRYOLOGY

Increase in the translatable mRNA for acetylcholine receptor during embryonic development of Torpedo ocellata electric organ. Soreq H, et al. **FEBS Lett** 1982 Mar 8; 139(1):32–40

Organotypic culture of embryonic electromotor system tissues from Torpedo marmorata. Richardson GP, et al. **Neuroscience** 1981;6(6):1181–200

ENZYMOLOGY

Noncompetitive inhibition by aluminum, scandium and yttrium of acetylcholinesterase from Electrophorus electricus. Marquis JK, et al. **Biochem Pharmacol** 1982 Apr 1;31(7):1437–40

Attempted direct visualization of negatively stained amplified immune complex of synaptic acetylcholinesterase using cryoultramicrotomy sections. Tsuji S. **Histochemistry** 1981; 72(3):369–75

Changes in acetylcholinesterase molecular forms during the embryonic development of Torpedo marmorata. Witzemann V, et al. **J Neurochem** 1982 Sep;39(3):747–55

[Purification and S value determination of acetylcholinesterase from electric organ of electric skate (Narke japonica) from the Nanhai Sea (author's transl)] Cai LW, et al. **Chung Kuo I Hsueh Ko Hsueh Yuan Hsueh Pao** 1981 Jun; 3(2):132–3 (Eng. Abstr.) **(Chi)**

INNERVATION

Fluorescent staining of neuromuscular junctions by using the antibody against acetylcholine receptors of Narke japonica, and double staining with the antibody and erabutoxin b. Ishikawa Y, et al. **Brain Res** 1981 Nov 9;224(1):45–54

The distribution of acetylcholinesterase and choline acetyl transferase in the cerebellum and posterior lateral line lobe of weakly electric fish (Gymnotidae). Maler L, et al. **Brain Res** 1981 Dec 7;226(1–2):320–5

The developmental morphology of Torpedo marmorata: electric lobe–electromotoneuron proliferation and cell death. Fox GQ, et al. **J Comp Neurol** 1982 May 10; 207(2):183–90

Binding of beta-bungarotoxin to Torpedo electric organ synaptosomes. A high resolution autoradiographic study. Esquerda JE, et al. **Neuroscience** 1982 Mar;7(3):751–8

METABOLISM

Vidicon flame emission spectroscopy of Li+, Na+, and K+ fluxes mediated by acetylcholine receptor in Electrophorus electricus membrane vesicles. Ramseyer GO, et al. **Anal Biochem** 1981 Jul 15;115(1):34–41

Some neurochemical properties of thiamin. Doerge DR, et al. **Ann NY Acad Sci** 1982;378:422–34

Uncoupling of acetylcholine uptake from the Torpedo cholinergic synaptic vesicle ATPase. Anderson DC, et al. **Biochem Biophys Res Commun** 1981 Nov 30;103(2):422–8

Amino acid sequence homology between 'alpha' subunits from Torpedo and Electrophorus acetylcholine receptor. Conti-Tronconi BM, et al. **Biochem Biophys Res Commun** 1982 May 31;106(2):312–8

Proton gradient linkage to active uptake of [3H]acetylcholine by Torpedo electric organ synaptic vesicles. Anderson DC, et al. **Biochemistry** 1982 Jun 22;21(13):3037–43

Comparison of the interactions of a specific neurotoxin (alpha-bungarotoxin) with the acetylcholine receptor in Torpedo californica and Electrophorus electricus membrane preparations. Leprince P, et al. **Biochemistry** 1981 Sep 15;20(19):5565–70

Tetrodotoxin receptors in membrane fragments: purification from Electrophorus electricus electroplax and binding properties. Grünhagen HH, et al. **Biochim Biophys Acta** 1981 Apr 6;642(2):267–85

Chloride permeability of membrane vesicles isolated from Torpedo californica electroplax. White MM, et al. **Biophys J** 1981 Aug;35(2):455–62

Molecular forms and hydrodynamic properties of acetylcholine receptor from electric tissue. Rüchel R, et al. **Eur J Biochem** 1981 Oct;119(2):215–23

The isolation, from electromotor neurone perikarya, of messenger RNAs coding for synaptic proteins. Schmid D, et al. **Eur J Biochem** 1982 Mar 1;122(3):633–9

Relative locations of the beta and delta chains of the acetylcholine receptor determined by electron microscopy of isolated receptor trimer. Wise DS, et al. **J Biol Chem** 1981 Dec 25;256(24):12624–7

ADP-ribosylation of membrane proteins in cholinergic nerve terminals. Lester HA, et al. **J Neurochem** 1982 Apr; 38(4):1080–6

The synthesis, storage, and release of propionylcholine by the electric organ of Torpedo marmorata. O'Regan S. **J Neurochem** 1982 Sep;39(3):764–72

Isolation from cholinergic synapses of a protein that binds to membranes in a calcium-dependent manner. Walker JH. **J Neurochem** 1982 Sep;39(3):815–23

The kinetics of acetylcholine turnover in a resting cholinergic nerve terminal and the magnitude of the cytoplasmic compartment. Weiler M, et al. **J Neurochem** 1982 May; 38(5):1187–91

Acetylcholine changes underlying transmission of a single nerve impulse in the presence of 4-aminopyridine in Torpedo. Corthay J, et al. **J Physiol (Lond)** 1982 Apr; 325:461–79

Acetylcholine measured at short time intervals during transmission of nerve impulses in the electric organ of Torpedo. Dunant Y, et al. **J Physiol (Lond)** 1982 Apr; 325:441–60

Cholinergic binding to the receptor proteolipid from Torpedo electroplax separated by ion exchange chromatography. Criado M, et al. **J Recept Res** 1980; 1(2):169–98

Detection of nicotinic cholinergic transmission in Malapterurus electricus electroplax. Eldefrawi ME, et al. **Life Sci** 1981 Sep 7;29(10):1033–7

Interaction of tricyclic antidepressants with the ionic channel of the acetylcholine receptor of Torpedo electric organ. Shaker N, et al. **Mol Pharmacol** 1981 Nov;20(3):511–8

Comparison of acetylcholine receptor–controlled cation flux in membrane vesicles from Torpedo californica and Electrophorus electricus: chemical kinetic measurements in the millisecond region. Hess GP, et al. **Proc Natl Acad Sci USA** 1982 Feb;79(4):963–7

Change in state of phosphorylation of acetylcholine receptor during maturation of the electromotor synapse in Torpedo marmorata electric organ. Saitoh T, et al. **Proc Natl Acad Sci USA** 1981 Jul;78(7):4430–4

Antibodies to acetylcholine receptors as probes of receptor structure and pathological agents in myasthenia gravis. Lindstrom J. **Prog Clin Biol Res** 1981;63:419–28

Macromolecular organization of the nicotinic acetylcholine receptors. Malhotra SK. **Subcell Biochem** 1981;8:273–309 (146 ref.)

PHYSIOLOGY

Laminar organization of the afferent and efferent systems of the torus semicircularis of gymnotiform fish: morphological substrates for parallel processing in the electrosensory system. Carr CE, et al. **J Comp Neurol** 1981 Dec 20;203(4):649–70

Continuous determination by a chemiluminescent method of acetylcholine release and compartmentation in Torpedo electric organ synaptosomes. Israël M, et al. **J Neurochem** 1981 Dec;37(6):1475–83

Properties of a modifiable efference copy in an electric fish. Bell CC. **J Neurophysiol** 1982 Jun;47(6):1043–56

Determination of delta psi, delta pH and the proton electrochemical gradient in isolated cholinergic synaptic vesicles. Angel I, et al. **Life Sci** 1981 Jul 27;29(4):411–6

An efference copy which is modified by reafferent input. Bell CC. **Science** 1981 Oct 23;214(4519):450–53

ULTRASTRUCTURE

Consequences of alkaline treatment for the ultrastructure of the acetylcholine-receptor-rich membranes from Torpedo marmorata electric organ. Cartaud J, et al. **J Cell Biol** 1981 Aug;90(2):418–26

Nicotinic postsynaptic membranes from Torpedo: sidedness, permeability to macromolecules, and topography of major polypeptides. St. John PA, et al. **J Cell Biol** 1982 Feb; 92(2):333–42

Cytoplasmic surface structure in postsynaptic membranes from electric tissue visualized by tannic-acid–mediated negative contrasting. Sealock R. **J Cell Biol** 1982 Feb; 92(2):514–22

Distribution of cytochemically detectable cholesterol in the electric organ of Torpedo marmorata. Perrelet A, et al. **Proc Natl Acad Sci USA** 1982 Apr;79(8):2598–602

ELECTRIC POWER PLANTS see **POWER PLANTS**

ELECTRIC RAY see **TORPEDO**

ELECTRIC STIMULATION

see related
CARDIAC PACING, ARTIFICIAL

CHRONAXY

Morphological effect of electromagnetic stimulation on the skeleton of fetal or newborn mice. Hinsenkamp MG, et al. **Acta Orthop Scand [Suppl]** 1982;196:39–50

Histochemical modifications induced 'in vitro' by electromagnetic stimulation of growing bone tissues. Rooze MA, et al. **Acta Orthop Scand [Suppl]** 1982;196:51–62

Dorsal column stimulation in man: facilitation of primary afferent depolarization. Shimoji K, et al. **Anesth Analg (Cleve)** 1982 May;61(5):410–3

Acute morphological changes in guinea pig cochlea following electrical stimulation. A preliminary scanning electron microscope study. Duckert LG, et al. **Ann Otol Rhinol Laryngol** 1982 Jan–Feb;91(1 Pt 1):33–40

Propriospinal mechanisms involved in the effects of spinal cord stimulation. Murthy KS. **Appl Neurophysiol** 1981; 44(1–3):22–9

Possible modes of action of extradural electrical stimulation on the spinal cord. Phillips CG. **Appl Neurophysiol** 1981; 44(1–3):16–21

The effect of intra-oral stimulation on the human masticatory cycle. Hannam AG, et al. **Arch Oral Biol** 1981; 26(11):865–70

Influence of direct current on the electrical activity of the heart and on its susceptibility to ventricular fibrillation. Hohnloser S, et al. **Basic Res Cardiol** 1982 May–Jun; 77(3):237–49

Radiographic examinations of electroejaculation in marsupials. Rodger JC, et al. **Biol Reprod** 1981 Jun; 24(5):1125–34

The effect of low frequency and direct current stimulation on the kindling phenomenon in rats. Gaito J. **Can J Neurol Sci** 1981 Aug;8(3):249–53

Electrostimulation and undetected malignant tumors. Becker RO, et al. **Clin Orthop** 1981 Nov–Dec;(161):336–9

Age-related decline in brain stimulation reward: rejuvenation by amphetamine. Lewis MJ. **Exp Aging Res** 1981 Fall; 7(3):225–34

On the nature and elimination of stimulus artifact in nerve signals evoked and recorded using surface electrodes. McGill KC, et al. **IEEE Trans Biomed Eng** 1982 Feb; 29(2):129–37

Muscular training through localized in vivo electrical stimulations. Moorthy CV, et al. **Indian J Physiol Pharmacol** 1981 Jul–Sep;25(3):229–36

Pattern of skeletal muscle chemical composition during in vivo electrical stimulations. Reddanna P, et al. **Indian J Physiol Pharmacol** 1981 Jan–Mar;25(1):33–40

Effect of electrical stimulation on human skeletal muscle. Eriksson E, et al. **Int J Sports Med** 1981 Feb;2(1):18–22

Investigation of over-the-skin electrical stimulation parameters for different normal muscles and subjects. Moreno-Aranda J, et al. **J Biomech** 1981;14(9):587–93

Force response to electrical stimulation of canine skeletal muscles. Moreno-Aranda J, et al. **J Biomech** 1981; 14(9):595–9

Electrical conditioning of in situ skeletal muscle for replacement of myocardium. Macoviak JA, et al. **J Surg Res** 1982 May;32(5):429–39

Scope of a technique for electrical stimulation of human brain, spinal cord, and muscle. Merton PA, et al. **Lancet** 1982 Sep 11;2(8298):597–600

Effect of duodenal cooling on small intestinal pacing. Berg KR, et al. **Mayo Clin Proc** 1982 Aug;57(8):511–4

Why pace the pacesetter potential of the small intestine? [editorial] Szurszewski JH. **Mayo Clin Proc** 1982 Aug; 57(8):530–1

The effects of electrical stimulation of normal quadriceps on strength and girth. Romero JA, et al. **Med Sci Sports Exerc** 1982;14(3):194–7

Electrical stimulation of denervated muscle prevents decreases in oxidative enzymes. Nemeth PM. **Muscle Nerve** 1982 Feb;5(2):134–9

Intracardiac electric stimulation in conscious rabbits. A new model for screening membrane-stabilizing antiarrhythmics. Thormählen D, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1981 Aug; 317(1):81–5

Parametric effects in the discrimination of intracranial stimulation: some methodological and analytical issues. Colpaert FC, et al. **Physiol Behav** 1982 Jun;28(6):1047–58

Nasal vasodilation induced by electrical stimulation of the vagus nerve. Eccles KS, et al. **Rhinology** 1982 Jun; 20(2):89–92

Initiation of ventricular tachyarrhythmia with programmed stimulation: sensitivity and specificity in an experimental canine model. Wetstein L, et al. **Surgery** 1982 Aug; 92(2):206–11

[Electrostimulation test for intraoperative vagotomy control. Results of a prospective randomized study] Junginger T, et al. **Chirurg** 1981 Aug;52(8):519–24 (Eng. Abstr.) **(Ger)**

[Osteogenesis and bone growth. Modification by electrical and electromagnetic effects] Ungethüm M. **MMW** 1982 Jul 2;124(26):621–2 **(Ger)**

[Investigation of maximal motor nerve conductivity and distal latency before and after galvanic cell bath (author's transl)] Trnavsky G. **Wien Med Wochenschr** 1982 Apr 30; 132(8):179–81 (Eng. Abstr.) **(Ger)**

[The influence of intravesical electrostimulation on the urinary bladder in animals (author's transl)] Schwock G, et al. **Z Kinderchir** 1981 Feb;32(2):161–6 (Eng. Abstr.) **(Ger)**

ADVERSE EFFECTS

Pneumothorax: a complication of nerve conduction studies using needle stimulation. Peake JB, et al. **Arch Phys Med Rehabil** 1982 Apr;63(4):187–8

Long-lasting cardiovascular depression induced by acupuncture-like stimulation of the sciatic nerve in unanaesthetized spontaneously hypertensive rats. Yao T, et al. **Brain Res** 1982 May 20;240(1):77–85

Electrical parameters for over-the-skin muscle stimulation. Moreno-Aranda J, et al. **J Biomech** 1981;14(9):579–85

Histological evaluation of neural damage from electrical stimulation: considerations for the selection of parameters for clinical application. Yuen TG, et al. **Neurosurgery** 1981 Sep;9(3):292–9

INSTRUMENTATION

A new multifunction nerve stimulator. Drummond GB, et al. **Anaesthesia** 1982 Aug;37(8):842–6

Comparison of promontory and cochlear implants within a single subject. Edgerton BJ, et al. **Ann Otol Rhinol Laryngol [Suppl]** 1982 Mar–Apr;91(2 Pt 3 Suppl 91):100–3

The design of a clinical electromagnetic bone stimulator. Barker AT. **Clin Phys Physiol Meas** 1981 Feb;2(1):9–16

Stimulation with micropipettes. Marchand JE, et al. **Exp Neurol** 1982 Mar;75(3):764–7

Miniature implantable tantalum/tantalum oxide stimulating electrodes. Lerner H, et al. **IEEE Trans Biomed Eng** 1982 Apr;29(4):290–2

Programmable miniature backpack stimulator for chronic biomedical studies. Livnat A, et al. **IEEE Trans Biomed Eng** 1981 Apr;28(4):359–62

Multichannel implantable stimulator for control of paralyzed muscle. Peckham PH, et al. **IEEE Trans Biomed Eng** 1981 Jul;28(7):530–6

Physiological stimulators: from electric fish to programmable implants. Seligman LJ. **IEEE Trans Biomed Eng** 1982 Apr; 29(4):270–84

Electrocutaneous stimulation for sensory communication in rehabilitation engineering. Szeto AY, et al. **IEEE Trans Biomed Eng** 1982 Apr;29(4):300–8

Percutaneous switching of an implantable muscle stimulator via an optical link. Brown J, et al. **J Biomed Eng** 1981 Jul;3(3):206–8

Intracortical capacitor electrodes: preliminary evaluation. Schmidt EM, et al. **J Neurosci Methods** 1982 Jan; 5(1–2):33–9

Burr-hole ring-cap and electrode anchoring device. Technical note. Ray CD. **J Neurosurg** 1981 Dec; 55(6):1004–6

Electrical stimulation and myoelectric control. A theoretical and applied study relevant to prosthesis sensory feedback. Almström C, et al. **Med Biol Eng Comput** 1981 Sep; 19(5):645–53

Accurate isolated and microprocessor-controlled current source for a wide range of applications. Goovaerts HG, et al. **Med Biol Eng Comput** 1981 Jul;19(4):491–6

Theoretical and practical considerations concerning an active current source for intracellular recording and stimulation. McClellan AD. **Med Biol Eng Comput** 1981 Sep; 19(5):659–61

[A microcomputer-controlled 3-channel stimulator for investigating atrial and ventricular vulnerability of the heart (author's transl)] Heuer H, et al. **Biomed Tech (Berlin)** 1981 Jun;26(6):130–5 (Eng. Abstr.) **(Ger)**

[A computer based test setup for an experiment in electrostimulation of pain under analgesia (author's transl)] Seus R, et al. **Biomed Tech (Berlin)** 1981 Nov;26(11):278–82 (Eng. Abstr.) **(Ger)**

[Threshold for electric stimulation of taste in diabetes mellitus] Kleinschmidt EG, et al. **Z Gesamte Inn Med** 1981 Jun 15;36(12):407–11 (Eng. Abstr.) **(Ger)**

METHODS

Pain relief in labor by transcutaneous electrical nerve stimulation. Safety aspects. Bundsen P, et al. **Acta Obstet Gynecol Scand** 1982;61(1):1–5

Use of 100-Hertz tetanus as an index of recovery from pancuronium-induced non-depolarizing neuromuscular blockade. Kopman AF, et al. **Anesth Analg (Cleve)** 1982 May;61(5):439–41

Stimulating and recording methods used in obtaining short-latency somatosensory evoked potentials (SEPs) in patients with central and peripheral neurologic disorders. Wiederholt WC, et al. **Ann NY Acad Sci** 1982;388:349–58

Electrical stimulation in the treatment of the painful hand. Peled I, et al. **Ann Plast Surg** 1982 May;8(5):434–7

Monopolar versus bipolar stimulation. Comte P. **Appl Neurophysiol** 1982;45(1–2):156–9

Transdermal transcutaneous electric nerve stimulation for pain: the search for an optimal waveform. Jenkner FL, et al. **Appl Neurophysiol** 1981;44(5–6):330–7

Relief of pain and spasticity by posterior column stimulation. A proposed mechanism. Spiegel EA. **Arch Neurol** 1982 Mar;39(3):184–5

Cerebellar pacemaker patients: an update. Heath RG, et al. **Biol Psychiatry** 1981 Oct;16(10):953–62

Transcutaneous sympathetic stimulation: effects of autonomic nervous function. Bajada S, et al. **Clin Exp Neurol** 1981; 17:139–45

Electrically induced osteogenesis: relationship between charge, current density, and the amount of bone formed: introduction of a new cathode concept. Brighton CT, et al. **Clin Orthop** 1981 Nov–Dec;(161):122–32

Peripheral nerve electrical stimulation. Goldner JL, et al. **Clin Orthop** 1982 Mar;(163):33–41

Effects of electric current on chondrogenesis in vitro. Nogami H, et al. **Clin Orthop** 1982 Mar;(163):243–7

Short latency somatosensory evoked spinal and scalp-recorded potentials following posterior tibial nerve stimulation in man. Kakigi R, et al. **Electroencephalogr Clin Neurophysiol** 1982 Jun; 53(6):602–11

Confirming evidence of an effective treatment for brain dysfunction in alcoholic patients. Smith RB. **J Nerv Ment Dis** 1982 May;170(5):275–8

Evaluation of ipsilateral and contralateral brainstem auditory evoked potentials in multiple sclerosis patients. Barajas JJ. **J Neurol Sci** 1982 Apr;54(1):69–78

Long-term effects on speech of chronic cerebellar stimulation in cerebral palsy. Wolfe VI, et al. **J Speech Hear Disord** 1981 Aug;46(3):286–90

Comparison of the two methods of electroejaculation in the Japanese monkey (Macaca fuscata). Matsubayashi K. **Jikken Dobutsu** 1982 Jan;31(1):1–6

Identification of the motor laryngeal nerves – a new electrical stimulation technique. Spahn JG, et al. **Laryngoscope** 1981 Nov;91(11):1865–8

Stimulation of nerve trunks with time-varying magnetic fields. Polson MJ, et al. **Med Biol Eng Comput** 1982 Mar; 20(2):243–4

Myelin and axon degeneration following direct current peripheral nerve stimulation: a prospective controlled experimental study. Hughes GB, et al. **Otolaryngol Head Neck Surg** 1981 Sep–Oct;89(5):767–75

A comparison of analgesic ablative and stimulation techniques. Hitchcock E. **Zentralbl Neurochir** 1981; 42(4):189–202

[Electric stimulation of non-denervated muscles by the 'dynatron' current and a medium frequency modulated impulse current] Bankov S, et al. **Electrodiagn Ther** 1981; 18(1):23–32 **(Fre)**

[Bone healing and dynamic interferential current (DIC) (author's transl)] Laabs WA, et al. **Langenbecks Arch Chir** 1982;356(4):231–41 (Eng. Abstr.) **(Ger)**

[Epidural spinal electrostimulation (ESES) in patients with chronic pain and central motor disturbances (author's transl)] Klingler D, et al. **Wien Klin Wochenschr** 1981 Nov 27;93(22):688–95 (Eng. Abstr.) **(Ger)**

[Is the intraoperative electrical stimulation test of Burge indispensable in order to ensure complete denervation in selective proximal vagotomy? (author's transl)] Müller G, et al. **Wien Klin Wochenschr** 1981 Aug 7;93(15):479–84 (Eng. Abstr.) **(Ger)**

[Induction and termination of paroxysmal supraventricular tachycardia by electrical stimulation of the right atrium (author's transl)] Nakayama K. **Nippon Ika Daigaku Zasshi** 1981 Feb;48(1):49–68 (Eng. Abstr.) **(Jpn)**

[Simple method of standardized application of electric stimuli] Al'bertin SV, et al. **Fiziol Zh SSSR** 1981 Nov; 67(11):1750–2 **(Rus)**

ELECTRIC WIRING see under **ELECTRICITY**

ELECTRICITY

see related
BIOELECTRIC ENERGY SOURCES
LIGHTNING

Static electrification of airborne asbestos: a study of its causes, assessment and effects on deposition in the lungs of rats. Vincent JH, et al. **Am Ind Hyg Assoc J** 1981 Oct; 42(10):711–21

Psychoelectric measurements and results from cochlear implant patients. Helmerich LF, et al. **Ann Otol Rhinol Laryngol [Suppl]** 1982 Mar–Apr;91(2 Pt 3 Suppl 91):35–40

Suture material and static electricity. Noe JM, et al. **Ann Plast Surg** 1982 Feb;8(2):179–8

Endocrinological effects of strong 60-Hz electric fields on rats. Free MJ, et al. **Bioelectromagnetics** 1981;2(2):105–21

Cardiovascular response of rats exposed to 60-Hz electric fields. Hilton DI, et al. **Bioelectromagnetics** 1980;1(1):55–64

Chronic exposure to a 60-Hz electric field: effects on synaptic transmission and peripheral nerve function in the rat. Jaffe RA, et al. **Bioelectromagnetics** 1980;1(2):131–47

Comparison of the coupling of grounded humans, swine and rats to vertical, 60-Hz electric fields. Kaune WT, et al. **Bioelectromagnetics** 1980;1(2):117–29

Electrical phenomena in biorheology. Fukada E. **Biorheology** 1982;19(1/2):15–27

Electrotonically mediated delayed conduction and reentry in relation to 'slow responses' in mammalian ventricular conducting tissue. Antzelevitch C, et al. **Circ Res** 1981 Nov; 49(5):1129–39

Flexible sorting decision and droplet charging control electronic circuitry for flow cytometer-cell sorters. McCutcheon MJ, et al. **Cytometry** 1982 Jan;2(4):219–25

Kallikrein inhibitors decrease short-circuit current by inhibiting sodium uptake. Orce GG, et al. **Hypertension** 1981 Nov–Dec;3(6 Pt 2):II-92–5

Non-specific binding by macrophages: evaluation of the influence of medium-range electrostatic repulsion and short-range hydrophobic interaction. Capo C, et al. **Immunol Commun** 1981;10(1):35–43

Behavioral responses of dairy cows subjected to controlled voltages. Lefcourt A. **J Dairy Sci** 1982 Apr;65(4):672–74

Organic synthesis from reducing models of the atmosphere of the primitive earth with UV light and electric discharges. Bossard AR, et al. **J Mol Evol** 1982;18(3):173–8

Orientation of neurite growth by extracellular electric fields. Patel N, et al. **J Neurosci** 1982 Apr;2(4):483–96

The direction of growth of differentiating neurones and myoblasts from frog embryos in an applied electric field. Hinkle L, et al. **J Physiol (Lond)** 1981 May;314:121–35

Antigenic changes as a determinant of immune complex localization in the rat glomerulus. Border WA, et al. **Lab Invest** 1981 Nov;45(5):442–9

Fatalities caused by electrically operated garage doors. Satran L. **Pediatrics** 1981 Sep;68(3):422–3

Averaging, selective averaging and latency-corrected averaging. Peregrin J, et al. **Pflugers Arch** 1981 Aug; 391(2):154–8

Little shocks. Lee WR. **Practitioner** 1981 Nov; 225(1361):1679–83

Killing of bacteria with electric pulses of high field strength. Hülsheger H, et al. **Radiat Environ Biophs** 1981;20(1):53–65

Forces between membranes approaching contact. Parsegian VA. **Scand J Clin Lab Invest [Suppl]** 1981;156:89–94 (22 ref.)

Electric pulse-induced fusion of 3T3 cells in monolayer culture. Teissie J, et al. **Science** 1982 Apr 30; 216(4545):537–8

Microbiological implications of electric field effects. III. Stimulation of yeast protoplast fusion by electric field pulses. Weber H, et al. **Z Allg Mikrobiol** 1981;21(7):555–62

[Static electricity. A literature review and study of 80 office workers] Pedersen LM, et al. **Ugeskr Laeger** 1981 Sep 14; 143(38):2459–63 (Eng. Abstr.) **(Dan)**

[Investigations on the effect of a 50 Hz-AC-field on the immunity of the mouse following chronic exposure (author's transl)] Fischer G, et al. **Zentralbl Bakteriol Mikrobiol Hyg [B]** 1981;173(5):308–18 (Eng. Abstr.) **(Ger)**

[Bioclimatological significance of atmospheric electric factors. Report on the present state of research (author's transl)] Fischer G. **Zentralbl Bakteriol Mikrobiol Hyg [B]** 1981 Dec; 174(4):287–98 (70 ref.) (Eng. Abstr.) **(Ger)**

[Gonadal function in the rat exposed to a high intensity electric field of 50 Hz] Margonato V, et al. **Boll Soc Ital Biol Sper** 1982 Mar 30;58(6):275–81 (Eng. Abstr.) **(Ita)**

[Electrical phenomena in biorheology (author's transl)] Fukada E. **Iyodenshi To Seltai Kogaku** 1981 Dec; 19(7):475–9 (24 ref.) **(Jpn)**

[Effect of electrical fields on the kinetics of biological processes] Timashev SF. **Biofizika** 1981 Jul–Aug; 26(4):642–6 (Eng. Abstr.) **(Rus)**

[Effect of a low-frequency (50 Hz) electrical field on animals of different ages] Koziarin IP. **Gig Sanit** 1981 Aug;(8):18–9 (Eng. Abstr.) **(Rus)**

['Zemlia-1' device for controlling the protective grounding circuit in medical equipment] Livenson AR, et al. **Med Tekh** 1981 Jul–Aug;(4):47–9 **(Rus)**

[Effect of an electrical field on Alcaligenes eutropha cells] Ksenzhek OS, et al. **Mikrobiologiia** 1981 Sep–Oct; 50(5):864–8 (Eng. Abstr.) **(Rus)**

[Action of decimeter-range waves and of sinusoidal modulated currents on the nuclear DNA content of brain nerve cells (an experimental study)] Mikhailik LV. **Vopr Kurortol Fizioter Lech Fiz Kult** 1982 Mar–Apr; (2):22–5 **(Rus)**

[Estimation of the density of the surface charge in lipoproteins from human blood plasma] Formaziuk VE, et al. **Vopr Med Khim** 1982 Jan–Feb;28(1):119–22 **(Rus)**

ADVERSE EFFECTS

Prolonged exposure of mice to 350 kV/m electrostatic field. Fam WZ. **IEEE Trans Biomed Eng** 1981 Jun;28(6):453–9

Purkinje nerve cell changes caused by electric fields – ultrastructural studies on long-term effects on rabbits. Hansson HA. **Med Biol** 1981 Apr;59(2):103–10

Mortality from leukemia in workers exposed to electrical and magnetic fields [letters] Milham S Jr. **N Engl J Med** 1982 Jul 22;307(4):249

[Cytogenetic and gonadotoxic action of a static electrical field] Stankevich KI, et al. **Gig Sanit** 1981 Oct;(10):9–11 (Eng. Abstr.) **(Rus)**

ELECTROACOUSTIC IMPEDANCE TESTS see **ACOUSTIC IMPEDANCE TESTS**

ELECTROANESTHESIA see **ELECTRONARCOSIS**

ELECTROCARDIOGRAPHY

Spontaneous reversion to normal sinus rhythm after prolonged atrial fibrillation. Ciaccheri M, et al. **Acta Cardiol (Brux)** 1981;36(2):125–9

The orthogonal Frank electrocardiogram in 257 nurse students. Zenner RJ, et al. **Acta Cardiol (Brux)** 1981; 36(4):275–87

Effect of premature ventricular depolarisation on the arterial pulse wave analysed by an on-line algorithm. Bachy JL, et al. **Acta Cardiol [Suppl] (Brux)** 1981;26:43–8

Effect of image computer processing on the sensitivity and specificity of stress myocardial scintigraphy. Lenaers A, et al. **Acta Cardiol [Suppl] (Brux)** 1981;26:95–103

Computer ECG analysis: a review. Willems JL. **Acta Cardiol [Suppl] (Brux)** 1981;26:11–7

Alterations of surface electrocardiogram in 35 patients during upper fiberendoscopy. Felix SM, et al. **Acta Med Port** 1981 Jul–Aug;3(4):281–9

Post exercise T wave changes in patients with normal and abnormal coronary arteriogram. Forssel G, et al. **Acta Med Scand** 1981;210(6):451–4

QT prolongation and ventricular fibrillation in acute myocardial infarction. Forssell G, et al. **Acta Med Scand** 1981;210(4):309–11

48-lead electrocardiogram in the diagnosis of non-acute myocardial infarction. Forssell G. **Acta Med Scand** 1982 May;211(3):153–6

Correlation of Electrophysiology and morphology in myocardial sarcoidosis. A case report. la Cour Petersen E, et al. **Acta Med Scand** 1982;211(5):407–10

QT interval in relation to ventricular arrhythmias and sudden cardiac death in postmyocardial infarction patients. Møller M. **Acta Med Scand** 1981;210(1–2):73–7

Factors of importance for QRS complex recovery after acute myocardial infarction. Yusuf S, et al. **Acta Med Scand** 1982 May;211(3):157–62

Investigation of the mechanisms and consequences of transient myocardial ischaemia. Allan RM, et al. **Acta Med Scand [Suppl]** 1981;651:133–8

Detection of early onset neonatal hypocalcaemia in low birth weight infants by Q–Tc and Q–oTc interval measurement. Nekvasil R, et al. **Acta Paediatr Acad Sci Hung** 1980; 21(4):203–10

Myocardial metabolism in relation to electrocardiographic changes and cardiac function during graded hypoxia in the fetal lamb. Hökegård KH, et al. **Acta Physiol Scand** 1981 Sep;113(1):1–7

Transient appearance of Q waves in coronary disease during exercise electrocardiography: consideration of mechanisms and clinical importance. Bateman T, et al. **Am Heart J** 1982 Jul;104(1):182–4

Clinical confirmation of ECG criteria for left atrial rhythm. Beder SD, et al. **Am Heart J** 1982 May;103(5):848–52

Vasospastic ischemic mechanism of frequent asymptomatic transient ST-T changes during continuous electrocardiographic monitoring in selected unstable angina patients. Biagini A, et al. **Am Heart J** 1982 Jan;103(1):13–20

Primary benign intramural ventricular tumors in children: pre- and postoperative electrocardiographic, echocardiographic, and angiocardiographic evaluation. Biancaniello TM, et al. **Am Heart J** 1982 May;103(5):852–7

The electrocardiogram in normal pregnancy. Carruth JE, et al. **Am Heart J** 1981 Dec;102(6 Pt 1):1075–8

Characteristic electrocardiographic pattern indicating a critical stenosis high in left anterior descending coronary artery in patients admitted because of impending myocardial infarction. de Zwaan C, et al. **Am Heart J** 1982 Apr;103(4 Pt 2):730–6

ECG changes associated with iatrogenic left pneumothorax simulating anterior myocardial infarction. Diamond JR, et al. **Am Heart J** 1982 Feb;103(2):303–5

ST segment performance of ambulatory ECG monitoring systems [letter] Gallant SL. **Am Heart J** 1982 Aug;104(2 Pt 1):322–3

Prolonged and decremental antegrade conduction properties in right anterior accessory connections: Wide QRS antidromic tachycardia of left bundle branch block pattern without Wolff–Parkinson–White configuration in sinus rhythm. Gillette PC, et al. **Am Heart J** 1982 Jan; 103(1):66–74

Continuous electrocardiographic monitoring in patients with unstable angina pectoris: Identification of high-risk subgroup with severe coronary disease, variant angina, and/or impaired early prognosis. Johnson SM, et al. **Am Heart J** 1982 Jan;103(1):4–12

Objective evidence of occult myocardial dysfunction in patients with frequent ventricular ectopy without clinically apparent heart disease. Kennedy HL, et al. **Am Heart J** 1982 Jul;104(1):57–65

Evaluation of postextrasystolic T wave alterations in identification of patients with coronary artery disease or left ventricular dysfunction. Leachman DR, et al. **Am Heart J** 1981 Oct;102(4):658–63

Flecainide-induced QT prolongation and ventricular tachycardia. Lui HK, et al. **Am Heart J** 1982 Apr;103(4 Pt 1):567–9

Negative U waves and peaked T waves without ST changes during spontaneous and ergonovine-induced vasospastic angina. Matsuguchi T, et al. **Am Heart J** 1982 May; 103(5):918–20

Midsystolic click accompanying isolated bicuspid pulmonic valve. Mehlman DJ, et al. **Am Heart J** 1982 Jan; 103(1):145–7

The long QT syndrome; effects of drugs and left stellate ganglion block. Milne JR, et al. **Am Heart J** 1982 Aug; 104(2 Pt 1):194–8

QTc interval in torsades de pointes [letter] Motro M, et al. **Am Heart J** 1981 Dec;102(6 Pt 1):1080–1

Accurate rapid compact analog method for the quantification of frequency and duration of myocardial ischemia by semiautomated analysis of 24-hour Holter ECG recordings. Nademanee K, et al. **Am Heart J** 1982 May;103(5):802–13

Sudden death in aortic stenosis monitored by ear densitographic pulse and ECG. Nikolic G, et al. **Am Heart J** 1982 Aug;104(2 Pt 1):311–2

Clinical electrophysiologic study of antiarrhythmic properties of flecainide: acute intraventricular delayed conduction and prolonged repolarization in regular paced and premature beats using intracardiac monophasic action potentials with programmed stimulation. Olsson SB, et al. **Am Heart J** 1981 Nov;102(5):864–71

Early pronounced ST segment depression with marked J point decline heralding acute lethal clinical myocardial infarction: Necropsy-electrocardiographic correlative study. Raunio H, et al. **Am Heart J** 1982 Jan;103(1):32–7

Variable exercise capacity in variant angina and greater exertional thallium-201 myocardial defect during vasospastic ischemic ST segment elevation than with ST depression. Shimokawa H, et al. **Am Heart J** 1982 Jan; 103(1):142–5

Sustained macroreentrant ventricular tachycardia. Welch WJ, et al. **Am Heart J** 1982 Jul;104(1):166–9

Variability of electrocardiographic responses to repeated ergonovine provocation in variant angina patients with coronary artery spasm. Whittle JL, et al. **Am Heart J** 1982 Feb;103(2):161–7

Current status of ambulatory electrocardiography. Winkle RA. **Am Heart J** 1981 Oct;102(4):757–70

Electrical-induced sustained myocardial depolarization as a possible cause for transient ST elevation post-DC elective cardioversion. Zelinger AB, et al. **Am Heart J** 1982 Jun; 103(6):1073–4

Observations in patients showing A–V junctional echoes with a shorter P–R than R–P interval. Brugada P, et al. **Am J Cardiol** 1981 Oct;48(4):611–22

Time course and rate dependence of Q–T interval changes during noncomplicated acute transmural myocardial infarction in human beings. Cinca J, et al. **Am J Cardiol** 1981 Dec;48(6):1023–8

Detection of acute right ventricular infarction by right precordial electrocardiography. Croft CH, et al. **Am J Cardiol** 1982 Sep;50(3):421–7

Clinical implications of anterior S–T segment depression in patients with acute inferior myocardial infarction. Croft CH, et al. **Am J Cardiol** 1982 Sep;50(3):428–36

Anterior S–T segment depression in acute inferior myocardial infarction: indicator of posterolateral infarction. Goldberg HL, et al. **Am J Cardiol** 1981 Dec;48(6):1009–15

Electrotonic modulation of the T wave. Hoffman BF. **Am J Cardiol** 1982 Aug;50(2):361–2

Effect of changes in perfusion pressure on the position of the electrophysiologic border zone in acute regional ischemia in isolated perfused dog and pig hearts. Janse MJ, et al. **Am J Cardiol** 1982 Jul;50(1):74–82

Large dose sublingual nitroglycerin in acute myocardial infarction: relief of chest pain and reduction of Q wave evolution. Kim YI, et al. **Am J Cardiol** 1982 Mar; 49(4):842–8

Negative U wave: a highly specific but poorly understood sign of heart disease. Kishida H, et al. **Am J Cardiol** 1982 Jun;49(8):2030–6

Noninvasive His Bundle electrogram: value of three vector lead recordings. Mehra R, et al. **Am J Cardiol** 1982 Feb 1;49(2):344–8

Comparative clinical electrophysiologic effects of diltiazem, verapamil and nifedipine: a review. Mitchell LB, et al. **Am J Cardiol** 1982 Feb 18;49(3):629–35

Role of early cycle ventricular extrasystoles in initiation of ventricular tachycardia and fibrillation: evaluation of the R on T phenomenon during acute ischemia in a canine model. Naito M, et al. **Am J Cardiol** 1982 Feb 1; 49(2):317–22

Electrophysiologic effects of diltiazem in canine myocardium, with special reference to conduction delay during ischemia. Peter T, et al. **Am J Cardiol** 1982 Feb 18;49(3):602–5

Electrotonic modulation of the T wave and cardiac memory. Rosenbaum MB, et al. **Am J Cardiol** 1982 Aug;50(2):213–22

Electrophysiologic effects of diltiazem hydrochloride on supraventricular tachycardia. Rozanski JJ, et al. **Am J Cardiol** 1982 Feb 18;49(3):621–8

Significance of reciprocal S–T segment depression in anterior precordial leads in acute inferior myocardial infarction: concomitant left anterior descending coronary artery disease? Salcedo JR, et al. **Am J Cardiol** 1981 Dec; 48(6):1003–8

Implications of precordial S–T segment depression in acute inferior myocardial infarction. Shah PK, et al. **Am J Cardiol** 1981 Dec;48(6):1167–8

Polymorphous ventricular tachycardia associated with normal and long Q–T intervals. Soffer J, et al. **Am J Cardiol** 1982 Jun;49(8):2021–9

Transient T wave abnormalities in intermittent bundle branch block. Surawicz B. **Am J Cardiol** 1982 Aug;50(2):363–4

Electrophysiologic residua and sequelae of surgery for congenital heart defects. Vetter VL, et al. **Am J Cardiol** 1982 Sep;50(3):588–604 (149 ref.)

Effect of isoproterenol on the anterograde refractory period of the accessory pathway in patients with the Wolff–Parkinson–White syndrome. Wellens HJ, et al. **Am J Cardiol** 1982 Jul;50(1):180–4

New method for measuring QRS duration using high-frequency electrocardiography. Bhargava V, et al. **Am J Physiol** 1982 Apr;242(4):H507–11

Relationship of resting ejection fraction and extent of coronary arterial disease with changes of QRS amplitude during exercise stress testing. Moreyra AE, et al. **Angiology** 1981 Nov;32(11):788–96

Interpreting normal electrocardiograms. Athayde MP. **AORN J** 1981 Jun;33(7):1267–77

The mechanism of exercise-induced R-wave amplitude changes in coronary heart disease. Still controversial. Ellestad MH. **Arch Intern Med** 1982 May;142(5):963–5

The ECG in normal pregnancy [editorial] Wenger NK. **Arch Intern Med** 1982 Jun;142(6):1088–9

ECG poor R-wave progression: review and synthesis. Zema MJ, et al. **Arch Intern Med** 1982 Jun;142(6):1145–8

Cardiac beat to beat variation: age related changes in the normal population and abnormalities in diabetics. Chipps DR, et al. **Aust NZ J Med** 1981 Dec;11(6):614–20

Acceleration induced voltage variations in the electrocardiogram during exhaustive simulated aerial combat maneuvering. Whinnery JE. **Aviat Space Environ Med** 1982 Feb;53(2):147–52

Electrocardiographic evidence for a cardioprotective effect of nifedipine during experimental hypercalcemia. Schäfer W, et al. **Basic Res Cardiol** 1982 Jan–Feb;77(1):12–25

Mechanocardiographic assessment of systolic time intervals in normal children. Ulmer HE, et al. **Basic Res Cardiol** 1982 Mar–Apr;77(2):197–212

Alterations in the rat electrocardiogram induced by stationary magnetic fields. Gaffey CT, et al. **Bioelectromagnetics** 1981;2(4):357–70

Electrocardiogram of the month. Cox RA, et al. **Bol Asoc Med PR** 1981 Jun;73(6):295–9

Electrocardiogram and vectorcardiogram of the month. Johnson CD. **Bol Asoc Med PR** 1981 Jul;73(7):353–6

Electrocardiogram of the month. Johnson CD. **Bol Asoc Med PR** 1981 Oct;73(10):506–9

Sympathoadrenal and cardiovascular responses to mental stress, isometric handgrip, and cold pressor test in asymptomatic young men with primary T wave abnormalities in the electrocardiogram. Atterhög JH, et al. **Br Heart J** 1981 Sep;46(3):311–9

Electrocardiograms and 13 year cardiovascular mortality in Busselton study. Cullen K, et al. **Br Heart J** 1982 Mar; 47(3):209–12

Clinical significance of exercise-induced ST segment elevation. Correlative angiographic study in patients with ischaemic heart disease. de Feyter PJ, et al. **Br Heart J** 1981 Jul;46(1):84–92

Abnormal Q waves in right sided chest leads provoked by onset of right bundle-branch block in patients with anteroseptal infarction. Rosenbaum MB, et al. **Br Heart J** 1982 Mar;47(3):227–32

Prolongation of the Q–T interval (Romano–Ward syndrome): anaesthetic management. Ponte J, et al. **Br J Anaesth** 1981 Dec;53(12):1347–50

Telemetry of ECG waveforms via the GPO telephone system. Grant LJ. **Br J Hosp Med** 1981 May;25(5):510–2

Effects of calcium antagonists on the alternation of the ST–T complex and associated conduction abnormalities during coronary occlusion in dogs. Hashimoto H, et al. **Br J Pharmacol** 1981 Oct;74(2):371–80

Perverse T waves and chronic beta-blocker treatment. Griffith TM, et al. **Br Med J [Clin Res]** 1982 Jan 2; 284(6308):19–20

Mitral valve prolapse in a runner. Dodek A. **Can J Appl Sport Sci** 1982 Jun;7(2):134–7

Electrocardiography, cardioenzymes and myocardial imaging to detect perioperative myocardial infarction. Ko PT, et al. **Can J Surg** 1982 Mar;25(2):225–9

Acute ECG changes associated with AMSA treatment [letter] Miller CF, et al. **Cancer Treat Rep** 1982 Aug; 66(8):1678–80

Prognostic values of exercise testing and drug effects on the exercise ECG. **Cardiology** 1981;68 Suppl 2:1–214

Prognosis of women with exercise-induced ECG changes--results from a longitudinal population study. Bengtsson C, et al. **Cardiology** 1981;68 Suppl 2:9–14

Evaluation of antianginal drug treatment by precordial exercise electrocardiography. Cokkinos DV, et al. **Cardiology** 1981;68 Suppl 2:141–6

Analysis of exercise-induced R-wave-amplitude changes in detection of coronary artery disease in patients with typical or atypical chest pain under digitalis treatment. Degre S, et al. **Cardiology** 1981;68 Suppl 2:178–85

The dose-response effects of nifedipine of ST-segment changes in exercise testing: preliminary studies. Fox KM, et al. **Cardiology** 1981;68 Suppl 2:209–12

R-wave amplitude and left ventricular volume: changes with nitroglycerine and atrial pacing. Ilsley C, et al. **Cardiology** 1981;68 Suppl 2:153–60

Electrocardiographic abnormalities in Ebstein's anomaly. Deductions based on comparison with endomyocardial fibrosis. Jaiyesimi F. **Cardiology** 1982;69(2):61–9

Sudden disappearance and reappearance of the pathologic Q waves after successive myocardial necrosis: electrocardiographic and pathologic correlations. Luca C, et al. **Cardiology** 1981;67(2):103–9

Evaluation of effect of drugs on the exercise ECG. Sanchez-Cascos A. **Cardiology** 1981;68 Suppl 2:190–4

Antianginal effect of nifedipine after intracoronary and

intravenous administration judged by reduction of ischemic ST-segment depression in exercise tests. Schulz W, et al. **Cardiology** 1981;68 Suppl 2:200–8

The effects of drugs on the exercise electrocardiogram. Simoons ML, et al. **Cardiology** 1981;68 Suppl 2:124–32

Relationship between ventricular arrhythmias detected by ambulatory ECG monitoring and subsequent sudden cardiac death. Stern Z, et al. **Cardiology** 1981;67(2):90–102

The electrocardiogram in the aged. Fisch C. **Cardiovasc Clin** 1981;12(1):65–74

Ischaemia-induced negative U waves in electrocardiograms (an experimental study in canine hearts). Fu LT, et al. **Cardiovasc Res** 1982 May;16(5):240–8

Analysis of QT interval in patients with idiopathic mitral valve prolapse. Bekheit SG, et al. **Chest** 1982 May; 81(5):620–5

Linear relationship between electrical systole, mechanical systole, and heart rate. Boudoulas H, et al. **Chest** 1981 Nov; 80(5):613–7

Triple tachycardia. Brugada P, et al. **Chest** 1982 Jun; 81(6):730–2

AV block and pseudo sinus exit block in a patient with PSVT due to dual AV nodal pathways. Herbstman BL, et al. **Chest** 1981 Nov;80(5):627–8

Spontaneous angina in the coronary care unit. 2. Electrocardiographic changes during and after chest pain. Madias JE. **Chest** 1982 Sep;82(3):279–84

Electrocardiographic diagnosis of dual AV nodal pathways complicating the Wolff-Parkinson-White syndrome. Rosen KM, et al. **Chest** 1982 May;81(5):639–42

Ventricular tachycardia 'pleomorphism' induced by chest thump. Sclarovsky S, et al. **Chest** 1982 Jan;81(1):97–8

Twenty-four hour continuous ECG recordings in long-distance runners. Talan DA, et al. **Chest** 1982 Jul; 82(1):19–24

Inhibition of programmable demand pacemaker by pacemaker-induced myopotentials. Widmann WD, et al. **Chest** 1981 Sep;80(3):328–31

Parasystole arising in the accessory pathway. Zaman L, et al. **Chest** 1981 Dec;80(6):743–4

Electrotonic interactions across an inexcitable region as a cause of ectopic activity in acute regional myocardial ischemia. A study in intact porcine and canine hearts and computer models. Janse MJ, et al. **Circ Res** 1982 Apr; 50(4):527–37

Sequential QRS vector subtractions in acute myocardial infarction in humans. Time course and relationship to serial changes in serum CK-MB concentration. Wikswo JP Jr, et al. **Circ Res** 1981 Oct;49(4):1055–62

Influence of heart rate and inhibition of autonomic tone on the QT interval. Ahnve S, et al. **Circulation** 1982 Mar; 65(3):435–9

Regression of myocardial hypertrophy: electrocardiographic-echocardiographic correlations after aortic valve replacement in patients with chronic aortic regurgitation. Carroll JD, et al. **Circulation** 1982 May; 65(5):980–7

Significance of the HV interval in 517 patients with chronic bifascicular block. Dhingra RC, et al. **Circulation** 1981 Dec; 64(6):1265–71

Effects of 12 months of intense exercise training on ischemic ST-segment depression in patients with coronary artery disease. Ehsani AA, et al. **Circulation** 1981 Dec; 64(6):1116–24

Deceleration-dependent left bundle branch block: a spectrum of bundle branch conduction delay. Fisch C, et al. **Circulation** 1982 May;65(5):1029–32

The differential diagnosis of acute pericarditis from the normal variant: new electrocardiographic criteria. Ginzton LE, et al. **Circulation** 1982 May;65(5):1004–9

The QT interval and sudden infant death syndrome. Guntheroth WG. **Circulation** 1982 Sep;66(3):502–4

Suppression of ventricular ectopic depolarizations by flecainide acetate, a new antiarrhythmic agent. Hodges M, et al. **Circulation** 1982 May;65(5):879–85

Etiology, warning signs and therapy of torsade de pointes. A study of 10 patients. Keren A, et al. **Circulation** 1981 Dec;64(6):1167–74

Electrophysiologic effects of disopyramide phosphate in patients with Wolff-Parkinson-White syndrome. Kerr CR, et al. **Circulation** 1982 May;65(5):869–78

The high-risk angina patient. Identification by clinical features, hospital course, electrocardiography and technetium-99m stannous pyrophosphate scintigraphy. Olson HG, et al. **Circulation** 1981 Oct;64(4):674–84

Electrocardiographic measures of left ventricular hypertrophy in children across the distribution of blood pressure: the Muscatine study. Schieken RM, et al. **Circulation** 1982 Aug;66(2):428–32

The QT interval throughout the first 6 months of life: a prospective study. Schwartz PJ, et al. **Circulation** 1982 Sep; 66(3):496–501

Effect of heart rate and autonomic tone on the QT interval [letter] Susmano A. **Circulation** 1982 Aug;66(2):478

Improved electrocardiographic criteria for the diagnosis of inferior myocardial infarction. Warner R, et al. **Circulation** 1982 Aug;66(2):422–8

Prognostic implications of diagnostic Q waves after myocardial infarction. Wasserman AG, et al. **Circulation** 1982 Jun;65(7):1451–5

Determinants of ventricular tachycardia in patients with ventricular aneurysms: results of intraoperative epicardial and endocardial mapping. Wiener I, et al. **Circulation** 1982 May;65(5):856–61

Myocardial cell damage during attacks of vasospastic angina in the absence of persistent electrocardiographic changes. Biagini A, et al. **Clin Cardiol** 1981 Nov-Dec;4(6):315–9

Nitroglycerin in acute myocardial infarction. X. Effect of small and large doses of nitroglycerin on sigma ST segment deviation — experimental and clinical results. Bussmann WD, et al. **Clin Cardiol** 1979 Apr;2(2):106–12

PR interval in middle-aged men with overt and latent coronary heart disease compared to PR in angionegative and normal men of similar age. Erikssen J, et al. **Clin Cardiol** 1982 Jun;5(6):353–9

Echo- and electrocardiographic findings in relation to autopsy in myocardial infarction. Lindvall K, et al. **Clin Cardiol** 1982 Jan;5(1):51–61

Transient giant R waves in the early phase of acute myocardial infarction: association with ventricular fibrillation. Madias JE, et al. **Clin Cardiol** 1981 Nov-Dec; 4(6):339–49

Standard ECG versus 24-hour Holter monitoring in the detection of ventricular arrhythmias. Møller M. **Clin Cardiol** 1981 Nov-Dec;4(6):322–4

PISA: a noninvasive method in detection and quantification of acid-induced myocardial infarction in dogs. Prasad K, et al. **Clin Cardiol** 1981 Jul-Aug;4(4):180–7

Alterations in the electrocardiogram of spontaneously hypertensive rats by chronic antihypertensive therapy with captopril. Kleber FX, et al. **Clin Exp Hypertens [A]** 1982; 4(6):977–87

ECG conduction disturbance in the first-degree relatives of children with ventricular septal defect. Mészáros M, et al. **Clin Genet** 1981;19(4):298–301

Sotalol prolongation of the QTc interval in hypertensive patients. Neuvonen PJ, et al. **Clin Pharmacol Ther** 1982 Jul;32(1):25–32

Pocket calculator program to compute normal values for echocardiographic measurements in children. Latson LA, et al. **Comput Biol Med** 1981;11(3):161–5

Piecewise analysis of EEGs using AR-modeling and clustering. Jansen BH, et al. **Comput Biomed Res** 1981 Apr; 14(2):168–78

Syntactic filtering of ECG waveforms. Papakonstantinou G, et al. **Comput Biomed Res** 1981 Apr;14(2):158–67

Computerized electrocardiography. Jenkins JM. **CRC Crit Rev Bioeng** 1981 Nov;6(4):307–50 (118 ref.)

Ventricular fibrillation masquerading as ventricular standstill. Ewy GA, et al. **Crit Care Med** 1981 Dec;9(12):841–4

Metabolic and cardiac effects of mild exercise in non-insulin diabetes. Karamanos BG, et al. **Curr Probl Clin Biochem** 1982;11:147–54

Elimination of EKG artifacts from EEGs recorded with balanced non-cephalic reference electrode method. Ishiyama Y, et al. **Electroencephalogr Clin Neurophysiol** 1982 Jun;53(6):662–5

Electrocardiography and vectocardiography in the evaluation of left ventricular hypertrophy due to pressure overload. Clementy J, et al. **Eur Heart J** 1982 Apr 3 Suppl A:37–47

Diagnostic incapacity of exercise-induced QRS wave amplitude changes to detect coronary artery disease and left ventricular dysfunction. De Feyter PJ, et al. **Eur Heart J** 1982 Feb;3(1):9–16

Retrograde P wave polarity in reciprocating tachycardia utilizing lateral bypass tracts. Garcia Civera R, et al. **Eur Heart J** 1980 Apr;1(2):137–45

Exercise testing and ambulatory electrocardiographic monitoring following surgical repair of tetralogy of Fallot. Irving JB, et al. **Eur Heart J** 1980 Apr;1(2):117–21

The use of the first derivative of apex cardiogram and echocardiographic dimensions for assessing left ventricular relaxation and mean velocity of circumferential fibre lengthening in cardiomyopathy. Kolev N, et al. **Eur Heart J** 1981 Feb;2(1):13–9

Prolongation of the Q-T interval caused by sotalol--possible association with ventricular tachyarrhythmias. Laakso M, et al. **Eur Heart J** 1981 Aug;2(4):353–8

Partial atrial electrical standstill: report of three cases and review of clinical and electrophysiological features. Lévy S, et al. **Eur Heart J** 1980 Apr;1(2):107–16

Multivariate analysis of exercise ST depression and coronary risk factors in asymptomatic men. Manca C, et al. **Eur Heart J** 1982 Feb;3(1):2–8

Double ventricular response in dual AV nodal pathways mimicking supraventricular as well as ventricular tachycardia. Neuss H, et al. **Eur Heart J** 1982 Apr; 3(2):146–54

Electrocardiographic findings and their association with mortality in the Copenhagen City Heart Study. Ostör E, et al. **Eur Heart J** 1981 Aug;2(4):317–28

Torsades de pointes: occurrence in myocardial ischaemia as a separate entity. Multiform ventricular tachycardia or not? Zilcher H, et al. **Eur Heart J** 1980 Feb;1(1):63–71

Electrocardiogram in primary pulmonary hypertension. Kanemoto N. **Eur J Cardiol** 1981;12(3–4):181–93

The electrophysiological effects of intravenous labetalol in man. Harley A, et al. **Eur J Clin Pharmacol** 1981; 20(4):241–4

A few remarks on the physiology of the chick embryo heart (Gallus gallus). Seidl W, et al. **Folia Morphol (Praha)** 1981; 29(3):237–42

Contribution of additional precordial leads to the diagnosis of existence and real extent of myocardial infarction. Doliopoulos T, et al. **G Ital Cardiol** 1982;11(11):1657–62

Age-associated change in QRS axis: intrinsic or extrinsic ageing? Evans JG, et al. **Gerontology** 1982;28(2):132–7

Electrocardiographic changes during the chronic respiratory insufficiency. Dimitrovski M, et al. **God Zb Med Fak Skopje** 1979 Jan;25:325–9

The diagnosis of myocardial infarction in patients with permanent pacemakers. Part I. Arcebal AG, et al. **Heart Lung** 1981 Nov-Dec;10(6):1111–5

The diagnosis of myocardial infarction in patients with permanent pacemakers. Part II. Arcebal AG, et al. **Heart Lung** 1982 Jan-Feb;11(1):99–103

Alternating Wolff-Parkinson-White pattern. Chia BL. **Heart Lung** 1981 Sep-Oct;10(5):883–5

A study in atrioventricular block. Jacobs ML, et al. **Heart Lung** 1982 May-Jun;11(3):278–9

Bretylium tosylate--induced stabilization of electrical systole duration in patients with acute myocardial infarction. Jouve R, et al. **Heart Lung** 1982 Sep-Oct;11(5):399–405

Variant angina: clinical spectrum, pathophysiology, and management. Kennedy GT. **Heart Lung** 1981 Nov-Dec; 10(6):1073–83

A study of aberrant ventricular conduction vs. ventricular ectopy. Martell RW, et al. **Heart Lung** 1981 Sep-Oct; 10(5):886–8

A study in atrial fusion. Schamroth L, et al. **Heart Lung** 1982 Mar-Apr;11(2):181–2

A study in intracardiac conduction with special reference to the Ashman phenomenon. Schamroth L, et al. **Heart Lung** 1982 Jul-Aug;11(4):381–2

Pediatric electrocardiography overview. Slota MC, et al. **Heart Lung** 1982 Jan-Feb;11(1):69–84

Precordial pain and electrocardiographic abnormalities simulating myocardial infarction associated with increased intracranial pressure in a child. Zelikovic IN, et al. **Helv Paediatr Acta** 1981 Nov;36(5):483–7

The case of the sudden severe dyspnea and chest pain after bronchoscopy. **Hosp Pract** 1981 Sep;16(9):63–4

RV infarction: a diagnostic dispute [letter] Cheng TO. **Hosp Pract** 1982 Aug;17(8):16

ECG casebook: irregular tachycardia after cardiac surgery. Hancock EW. **Hosp Pract** 1982 Jul;17(7):63–4

Wheezing and possible anterior infarct. Hancock EW. **Hosp Pract** 1982 Sep;17(9):111–2

The case of the emergency room visit for paroxysmal tachycardia. Hancock EW. **Hosp Pract** 1981 Dec; 16(12):75–6

The case of the unstable preoperative ECG before aortic valve replacement. Hancock EW. **Hosp Pract** 1981 Nov; 16(11):30, 36

The case of the possibly abnormal ECG in a teenage life insurance applicant. Hancock EW. **Hosp Pract** 1981 Oct; 16(10):46, 51

The case of the dropped beats after cardiac surgery. Hancock EW. **Hosp Pract** 1982 Apr;17(4):49, 55

ECG casebook: the case of the young woman with acute chest pain. Hancock EW. **Hosp Pract** 1982 Feb;17(2):33, 41

Ecg casebook: The case of the wide complexes and uncertain rhythm. Hancock EW. **Hosp Pract** 1982 Mar;17(3):107, 111

The case of the dropped beats in acute MI: is it heart block? Hancock EW. **Hosp Pract** 1982 May;17(5):29, 32

Effects of geometrical uncertainties on electrocardiography. Choi J, et al. **IEEE Trans Biomed Eng** 1981 Apr; 28(4):325–34

Theoretical analyses and computer simulation of ECG ventricular gradient and recovery waveforms. Cohn RL, et al. **IEEE Trans Biomed Eng** 1982 Jun;29(6):413–23

The simulation of the abdominal MECG. Meijer WJ, et al. **IEEE Trans Biomed Eng** 1981 Apr;28(4):354–7

A circuit for contact monitoring in electrocardiography. Oberg T. **IEEE Trans Biomed Eng** 1982 May;29(5):361–4

Multichannel signal processing based on logic averaging. Shvartsman V, et al. **IEEE Trans Biomed Eng** 1982 Jul; 29(7):531–6

A method for evaluation of QRS shape features using a mathematical model for the ECG. Sörnmo L, et al. **IEEE Trans Biomed Eng** 1981 Oct;28(10):713–7

A battery-powered digital modem for telephone transmission of ECG data. Thakor NV, et al. **IEEE Trans Biomed Eng** 1982 May;29(5):355–9

EKG of the month: Congestive heart failure with complications. **IMJ** 1982 Jun;161(6):385, 396

EKG of the month. Atrial fibrillation. **IMJ** 1981 Aug; 160(2):87–130

EKG of the month: coronary artery disease with sick sinus syndrome. **IMJ** 1981 Mar;159(3):136, 52

EKG of the month. Sinus tachycardia. Short runs of supraventricular tachycardia with aberrant intraventricular conduction. **IMJ** 1981 Sep;160(3):143, 196

EKG of the month: acute spontaneous intracranial hemorrhage. **IMJ** 1981 Nov;160(5):284, 401

EKG of the month. Aortic stenosis and heart block. **IMJ** 1981 Dec;160(6):422, 443

EKG of the month. **IMJ** 1982 Feb;161(2):81, 90

Electrocardiographic changes in oral penicillin anaphylaxis. Cheng TC, et al. **IMJ** 1981 Sep;160(3):172–4

Transient pathological Q waves in the electrocardiogram induced by exercise. Chacko KA, et al. **Indian Heart J** 1981 May-Jun;33(3):109–13

Value of His bundle electrocardiography in arrhythmias. Jain

SC, et al. **Indian Heart J Teach Ser** 1980;(7):306–10
His bundle electrocardiography. Atrioventricular conduction disorders. Mehta AB, et al. **Indian Heart J Teach Ser** 1980; (7):311–24
Wide QRS tachycardias. Sapru RP. **Indian Heart J Teach Ser** 1980;(7):332–42
Clinical and prognostic significance of precordial Q wave mapping in anterior myocardial infarction. Kaul U, et al. **Indian J Chest Dis Allied Sci** 1981 Oct–Dec;23(4):163–72
Electrocardiographic changes in experimental drowning. Bhardwaj PK, et al. **Indian J Physiol Pharmacol** 1982 Jan–Mar;26(1):85–90
Electrocardiographic 'changes on sublethal poisoning of Vacor and Silmurin to Bandicota bengalensis. Ushadevi SV, et al. **Indian J Physiol Pharmacol** 1981 Jan–Mar; 25(1):48–52
Electrocardiographic observations in high altitude residents of Nepal and Bolivia. Raynaud J, et al. **Int J Biometeorol** 1981 Sep;25(3):205–17
Electrocardiographic changes after cervical laminectomy. Baur HR, et al. **Int J Cardiol** 1981;1(1):37–40
The relationship of marked left axis deviation to the risk of ischemic heart disease. Rabkin SW, et al. **Int J Cardiol** 1981;1(2):169–78
Normal mean manifest electrical qRS in dysplastic pulmonary valve associated with hypertrophic non-obstructive left ventricular cardiomyopathy. Schneeweiss A, et al. **Int J Cardiol** 1981;1(2):145–9
Electrocardiographic changes after long-term treatment with sotalol in hypertensive patients. Castro M, et al. **Int J Clin Pharmacol Ther Toxicol** 1982 Feb;20(2):88–91
Electrocardiographic changes in acute arsenic poisoning. Fennell JS, et al. **Ir J Med Sci** 1981 Nov;150(11):338–9
Electrocardiography vs. vectorcardiography in the diagnosis of left anterior hemiblock associated with inferior wall myocardial infarction: a critical analysis. Naschitz JE, et al. **Isr J Med Sci** 1982 Apr;18(4):463–6
Utilization of fetal scalp pH and direct fetal electrocardiogram in the intrapartum management of congenital complete heart block in an adolescent primigravida. Katz AR, et al. **J Adolesc Health Care** 1980 Dec;1(2):152–4
Preventable sudden death: the 'long Q–T syndrome'. Neel EU. **J Adolesc Health Care** 1981 Sep;2(1):49–51
Electrocardiogram of the month: hyperkalemia. Watson JW. **J Arkansas Med Soc** 1982 Jan;78(8):338, 355
Electrocardiographic and serum magnesium levels during diuretic therapy. Govil MK, et al. **J Assoc Physicians India** 1981 Oct;29(10):807–11
A report of an ECG showing unusual manifest and concealed trigeminy. Ramachandra Rao AV, et al. **J Assoc Physicians India** 1981 May;29(5):429–31
Effect of 2-phenylaminoadenosine (CV-1808) on ischemic ST-segment elevation in anesthetized dogs. Matsumoto N, et al. **J Cardiovasc Pharmacol** 1981 Nov–Dec;3(6):1184–92
ECG findings in elderly patients with and without senile cardiac amyloidosis. Cattin L, et al. **J Chronic Dis** 1981; 34(9–10):503–9
Electrocardiographic changes and serum concentrations in thioridazine-treated patients. Axelsson R, et al. **J Clin Psychiatry** 1982 Aug;43(8):332–5
Electrocardiographic changes following intravenous administration of thioridazine to macaque monkeys. Moore RH, et al. **J Clin Psychiatry** 1982 May;43(5 Pt 2):41–3
The QT interval in drug-free depressed patients. Rainey JM Jr, et al. **J Clin Psychiatry** 1982 May;43(5 Pt 2):39–40
The QRST deflection area of electrograms during global alterations of ventricular repolarization. Abildskov JA, et al. **J Electrocardiol** 1982 Apr;15(2):103–7
His-bundle electrogram in the convalescent stage of inferior myocardial infarction complicated with complete A–V block. Aizawa Y, et al. **J Electrocardiol** 1982 Apr; 15(2):127–30
Q–T interval in sinus arrhythmia. Anderson RC. **J Electrocardiol** 1981 Oct;14(4):407–8
Effects of sympathetic stimulation on refractory periods of ischemic canine ventricular myocardium. Burgess MJ, et al. **J Electrocardiol** 1982 Jan;15(1):1–8
Electrocardiographic changes of atrial injury [letter] Byrd MD. **J Electrocardiol** 1982 Jan;15(1):99
Dose-related effects of manganese on the canine electrocardiogram. Charash B, et al. **J Electrocardiol** 1982 Apr;15(2):149–52
Natural history of electrical interventricular septal force in the course of left ventricular hypertrophy in man. Das G, et al. **J Electrocardiol** 1981;14(2):109–14
Effect of nitroglycerin on ST potentials in the post-acute phase of myocardial infarction. De Ambroggi L, et al. **J Electrocardiol** 1981 Oct;14(4):351–6
Repolarization abnormalities of left ventricular hypertrophy. Clinical, echocardiographic and hemodynamic correlates. Devereux RB, et al. **J Electrocardiol** 1982 Jan;15(1):47–53
The electrocardiogram in obesity. Eisenstein I, et al. **J Electrocardiol** 1982 Apr;15(2):115–8
Cor pulmonale in cystic fibrosis. Fowler RS, et al. **J Electrocardiol** 1981 Oct;14(4):319–24
Arrival of excitation at the left ventricular apical endocardium in Wolff-Parkinson-White syndrome type B. Garcia OL, et al. **J Electrocardiol** 1982 Apr;15(2):165–72
Use of P wave morphology for inferring pacemaker localization along the sulcus terminalis in the dog. Goldberg JM, et al. **J Electrocardiol** 1981;14(2):115–24
Electrocardiographic normalization after cerebral vascular accident. Gould L, et al. **J Electrocardiol** 1981;14(2):191–4
Ischemic nature of pseudo normalization of the repolarization [letter] Haïat R. **J Electrocardiol** 1982 Jan;15(1):100
Electrocardiographic abnormalities associated with malignant hyperthermia susceptibility. Huckell VF, et al. **J Electrocardiol** 1982 Apr;15(2):137–41
The electrocardiogram in patients with scoliosis. Hwang B, et al. **J Electrocardiol** 1982 Apr;15(2):131–6
Pseudo right atrial overloading pattern in complete defect of the left pericardium. Inoue H, et al. **J Electrocardiol** 1981 Oct;14(4):413–8
Sequential changes in high frequency notches on QRS complexes in progressive muscular dystrophy of the Duchenne type—a 3-year follow-up study. Ishikawa K, et al. **J Electrocardiol** 1982 Jan;15(1):23–30
Changes in R wave during exercise: correlation with left ventricular function and volumes. Iskandrian AS, et al. **J Electrocardiol** 1982 Apr;15(2):199–203
The supernormal phase of intraventricular conduction: normalization of intraventricular conduction of premature atrial beats. Klein HO, et al. **J Electrocardiol** 1982 Jan; 15(1):89–97
The electrocardiographic diagnosis of myocardial infarction in the presence of ventricular conduction defects. A new attempt to solve an old problem. Lopez EA Jr, et al. **J Electrocardiol** 1981 Oct;14(4):325–32
Concomitant presence of left anterior hemiblock and inferior myocardial infarction: electrocardiographic recognition of each entity. Louridas G, et al. **J Electrocardiol** 1981 Oct; 14(4):365–70
Idiopathic long QT syndrome: association of ventricular tachycardia with alternating left and right bundle branch block. McVay MR, et al. **J Electrocardiol** 1982 Apr; 15(2):189–94
Isoarea distributions during ectopic stimulation of isolated rabbit hearts. Mirvis DM. **J Electrocardiol** 1981; 14(2):159–68
A case of coexisting tachycardia- and bradycardia-dependent bilateral bundle branch block. Mitamura H, et al. **J Electrocardiol** 1981;14(2):195–200
Noninvasive assessment of T-wave abnormalities on precordial electrocardiograms in middle-aged professional bicyclists. Nishimura T, et al. **J Electrocardiol** 1981 Oct; 14(4):357–64
Electrogenesis of the initial forces in LVH [letter] Piccolo E, et al. **J Electrocardiol** 1982 Jan;15(1):100–2
QT interval measurement by a computer assisted program: a potentially useful clinical parameter. Puddu PE, et al. **J Electrocardiol** 1982 Jan;15(1):15–21
Long term followup of incomplete right bundle branch block: the risk of development of complete right bundle branch block. Rabkin SW, et al. **J Electrocardiol** 1981 Oct; 14(4):379–86
A classification of ventricular ectopic beats. Rabkin SW, et al. **J Electrocardiol** 1982 Jan;15(1):55–60
Acute and chronic effects of diltiazem on A–V conduction at rest and during exercise. Ritterman JB, et al. **J Electrocardiol** 1982 Jan;15(1):41–6
Electrocardiograms in Fabry's disease. Sheth KJ, et al. **J Electrocardiol** 1982 Apr;15(2):153–6
Influence of age on atrioventricular conduction intervals in children with and without atrial septal defect. Shiku DJ, et al. **J Electrocardiol** 1982 Jan;15(1):9–13
The effect of left ventricular aneurysmectomy on the electrocardiogram: a study of 77 patients and review of the literature. Vasilomanolakis EC, et al. **J Electrocardiol** 1982 Apr;15(2):173–9
Persistent atrial quiescence in adult rheumatic heart disease. Zema MJ, et al. **J Electrocardiol** 1982 Jan;15(1):85–8
Electrocardiographic findings among the young urban unemployed. Pinkerton RE, et al. **J Fam Pract** 1982 Feb; 14(2):363–4, 369
The five fingers of cardiology. Noble RJ, et al. **J Indiana State Med Assoc** 1982 May;75(5):332–3
Necromimetics. Martinez-Lopez JI. **J La State Med Soc** 1982 Mar–Apr;134(2):58–60
Electrocardiogram of the month. Old concepts never die... supraventricular tachycardia. Martinez-Lopez JI. **J La State Med Soc** 1981 Aug;133(8):126–8
Electrocardiogram of the month. Far to the rear. Inferior and true posterior wall myocardial infarction. Martinez-Lopez JI. **J La State Med Soc** 1981 Jul; 133(7):109–10
Mighty T's. Martinez-Lopez JI. **J La State Med Soc** 1981 Nov;133(11):179–80
Electrocardiogram of the month: complete left bundle branch block. Martinez-Lopez JI. **J La State Med Soc** 1981 Sep; 133(9):146–8
Sentence first; verdict afterwards (with apologies to Lewis Carroll). Report of a case of uniform premature ventricular beats. Martinez-Lopez JI. **J La State Med Soc** 1982 Jan–Feb;134(1):28–30
Electrocardiogram of the month. Ventricular premature beats in bigeminy. Martinez-Lopez JI. **J La State Med Soc** 1981 Dec;133(12):193–5
Results of long-term ECG monitoring in patients submitting to tonsillectomy under local anaesthesia. Pekkarinen H, et al. **J Laryngol Otol** 1982 Aug;96(8):725–30
The atrial repolarization wave and spurious ST segment deviation. Agarwal SK, et al. **J Med Soc NJ** 1982 Apr; 79(4):315–6
Torsade de pointes. Agarwal SK. **J Natl Med Assoc** 1981 Oct;73(10):993–5
Electrocardiographic alterations in subarachnoid haemorrhage. Correlation between spasm of the arteries of the left side on the brain and T inversion and QT prolongation. Stober T, et al. **J Neurol** 1982;227(2):99–113
Home recording of arrhythmias by patients using a portable electrocardiograph. Brown AK, et al. **J R Coll Physicians Lond** 1982 Jul;16(3):175–7
EKG of the month. (1) Muscular tremor (simulating atrial flutter); (2) Inferior lateral infarction probably evolving, with strictly posterior component. Campbel WB. **J Tenn Med Assoc** 1981 Oct;74(10):746
EKG of the month: torsades de pointes. Campbell WB. **J Tenn Med Assoc** 1981 Mar;74(3):195–6
EKG of the month. Campbell WB. **J Tenn Med Assoc** 1981 Jul;74(7):516–7
EKG of the month: left bundle branch block. Campbell WB. **J Tenn Med Assoc** 1981 Nov;74(11):829–30
EKG of the month: myocardial infarction. Campbell WB. **J Tenn Med Assoc** 1981 Sep;74(9):663–4
EKG of the month (pericarditis). Campbell WB. **J Tenn Med Assoc** 1982 Feb;75(2):130–1
EKG of the month. Subventricular tachycardia and AV dissociation diagnosed as digitalis toxicity. Campbell WB. **J Tenn Med Assoc** 1982 Jan;75(1):51–2
EKG of the month: heart block. Campbell WB. **J Tenn Med Assoc** 1981 Nov–Dec;75(3):205–6
EKG of the month: second degree (2:1) AV block with calcific aortic valve disease. Campbell WB. **J Tenn Med Assoc** 1982 Apr;75(4):276–7
Baseline ECGs [letter] Selzer A. **JAMA** 1981 Oct 16; 246(16):1770–1
Firefighters' reaction to alarm, an ECG and heart rate study. Kuorinka I, et al. **JOM** 1981 Nov;23(11):762–6
Clinical significance of exercise-induced ST changes in patients with prior myocardial infarction: comparison of electrocardiographic and angiographic findings. Fukui S, et al. **Jpn Circ J** 1981 Oct;45(10):1131–7
Identification of patients with coronary artery disease using a scoring system of coronary risk factors, electrocardiography and myocardial perfusion imaging. Kambara H, et al. **Jpn Circ J** 1982 Mar;46(3):235–44
Applications of multipole expansion. Mashima S. **Jpn Circ J** 1981 Nov;45(11):1331–4
Dynamic behavior of equivalent cardiac dipoles. Musha T, et al. **Jpn Circ J** 1981 Nov;45(11):1323–4
Clinical estimation of left ventricular size: precordial electrocardiographic voltage corrected by the measurement of thorax. Nishio T, et al. **Jpn Circ J** 1981 Dec;45(12):1430–2
Effects of injury to the right ventricular conducting tissue of canine hearts on epicardial activation sequence and electrocardiograms. Ohno M, et al. **Jpn Circ J** 1981 Sep; 45(9):1056–67
Architectural alteration of the myocardium and asymmetry in left ventricular hypertrophy of known etiologies with special reference to correlation with electrocardiographic changes. Okada R. **Jpn Circ J** 1982 Sep;46(9):1001–11
Heart disease program for school children and high school students in Osaka City: an introduction of computer assisted ECG analysis system as a screening tool. Uheda K, et al. **Jpn Circ J** 1981 Dec;45(12):1433–7
A relation between forward and inverse problems on electrocardiography. Yasuura K. **Jpn Circ J** 1981 Nov; 45(11):1310–1
Estimation of inter-electrode distance for body surface mapping: application of Fourier analysis to potential distribution due to the epicardial breakthrough. Yoyama J, et al. **Jpn Circ J** 1981 Nov;45(11):1325–30
'Entrainment' phenomenon during reciprocating tachycardia in the Wolff-Parkinson-White syndrome. Inoue H, et al. **Jpn Heart J** 1982 Jan;23(1):129–35
Significance of the automaticity recovery phase following tachycardic overdrive. Otsuka K, et al. **Jpn Heart J** 1982 Mar;23(2):161–8
Effects of N-(2-hydroxyethyl)nicotinamide nitrate (SG-75) on methacholine-induced ECG changes in intact anesthetized rats. Aono J, et al. **Jpn J Pharmacol** 1981 Oct; 31(5):823–30
Viral studies in patients presenting with 'normal variant African ECG' [letter] Blackett K. **Lancet** 1982 Jul 3; 2(8288):40
Sotalol and the Q–Tc interval [letter] Lockhart EA, et al. **Lancet** 1981 Oct 3;2(8249):757–8
Probucol and the QT interval [letter] McCaughan D. **Lancet** 1982 Jul 17;2(8290):161
Probucol and the QT interval [letter] Martz BL. **Lancet** 1982 Jun 12;1(8285):1365
Sudden death during ambulatory electrocardiography [letter] Møller M, et al. **Lancet** 1981 Nov 14;2(8255):1117–8
Sotalol, prolonged Q–Tc interval, and tachyarrhythmias [letter] Neuvonen PJ, et al. **Lancet** 1982 Jan 9;1(8263):106
Prolongation of Q–Tc or Q–Uc interval and sotalol [letter] Pellinen T, et al. **Lancet** 1981 Oct 17;2(8251):878
Probucol and the QT interval [letter] Troendle G, et al. **Lancet** 1982 May 22;1(8282):1179
Computational assessment of electrocardiographic measurement sensitivity. Bones PJ, et al. **Med Biol Eng Comput** 1981 Nov;19(6):717–24
Sources of common computer-cardiologist discord in e.c.g. interpretations in an ambulatory population. Carel RS, et

al. **Med Biol Eng Comput** 1982 May;20(3):264–8
Computerised dynamic 3-dimensional joint interval histogram display for arrhythmia monitoring. Mahler Y, et al. **Med Biol Eng Comput** 1982 Mar;20(2):129–33
Separation of His–Purkinje potentials from coinciding atrium signals: removal of the P-wave from the electrocardiogram. Peper A, et al. **Med Biol Eng Comput** 1982 Mar;20(2):195–201
Evaluation methodology for selection of computerized clinical ECG interpretation systems. Finkelstein SM, et al. **Med Instrum** 1981 Nov–Dec;15(6):388–92
Long-term Holter ECG monitoring of athletes. Hanne-Paparo N, et al. **Med Sci Sports Exerc** 1981; 13(5):294–8
Another view of an old enemy: wide QRS tachycardia. Nelson WP. **Med Times** 1981 Aug;109(8):47–50
Delayed repolarization (QT or QTU prolongation) and malignant ventricular arrhythmias. Moss AJ, et al. **Mod Concepts Cardiovasc Dis** 1982 Mar;51(3):85–90
A QRS scoring system for assessing left ventricular function after myocardial infarction [letter] Gitler B, et al. **N Engl J Med** 1982 Jun 10;306(23):1423–4
A QRS scoring system for assessing left ventricular function after myocardial infarction. Palmeri ST, et al. **N Engl J Med** 1982 Jan 7;306(1):4–9
Prognosis of medically treated patients with coronary-artery disease with profound ST-segment depression during exercise testing. Podrid PJ, et al. **N Engl J Med** 1981 Nov 5;305(19):1111–6
Electrocardiograms of the month. Rubin IL, et al. **NY State J Med** 1982 Mar;82(3):333–4
Computer quantitated evaluation of cardiac arrhythmias. Attuel P, et al. **PACE** 1981 Jan;4(1):23–35
Electrical alternans of pacemaker spike amplitude: an unusual manifestation of permanent pacemaker generator malfunction. Austin SM, et al. **PACE** 1981 May;4(3):313–6
Pacemaker rhythms. Apparent VVI (or ? VOO) pacing by AV sequential demand (DVI) pulse generator. Barold SS, et al. **PACE** 1981 May;4(3):321–7
Interpretation of electrocardiograms produced by a new unipolar multiprogrammable 'committed' AV sequential demand (DVI) pulse generator Barold SS, et al. **PACE** 1981 Nov;4(6):692–708
The use of atrial pacing to evaluate patients with definite or suspected Wolff-Parkinson-White syndrome. Bassan MM, et al. **PACE** 1982 Mar;5(2):208–16
Definition of positive and negative hysteresis [letter] Bathen J. **PACE** 1982 Mar;5(2):283–5
Electrophysiological properties of a new permanent endocardial lead for uni- and bipolar pacing. Breivik K, et al. **PACE** 1982 Mar;5(2):268–74
'Invisible' pseudo–pseudofusion beats. Castellanos A, et al. **PACE** 1982 Mar;5(2):260–3
Dual mode sensing by a variable cycle ventricular synchronous pulse generator. Edwards LM, et al. **PACE** 1981 May;4(3):309–12
A specific ECG triad associated with congestive heart failure. Goldberger AL. **PACE** 1982 Jul;5(4):593–9
Subtle ECG sign of acute infarction: prominent reciprocal ST depression with minimal primary ST elevation. Goldberger AL, et al. **PACE** 1981 Nov;4(6):709–12
Pacemaker rhythms. Goldschlager N. **PACE** 1981 May; 4(3):317–20
The ventricular paced QT interval--the effects of rate and exercise. Milne JR, et al. **PACE** 1982 May;5(3):352–8
Pulse width dependent increase in the pacemaker automatic interval. Ohm OJ, et al. **PACE** 1982 May;5(3):329–40
Occurrence of ST segmental electrical alternans during exercise test [letter] Rozanski JJ, et al. **PACE** 1981 May; 4(3):339–40
T wave sensing with a programmable pacemaker [editorial] Tyers GF. **PACE** 1981 Sep;4(5):599–601
Rapid AV nodal re-entrant tachycardias presenting with syncope or pre-syncope: use of electrophysiological studies to select therapy. Wiener I, et al. **PACE** 1982 Mar; 5(2):173–9
Transient early T wave sensing by implanted programmable demand pulse generator. Yokoyama M, et al. **PACE** 1981 Jan;4(1):68–74
Transmural distribution of myocardial high energy phosphates and lactate in relation to the epicardial ECG in the underperfused canine heart. Higuchi M, et al. **Pflugers Arch** 1981 Aug;391(2):101–4
Electroencephalograms, electrocardiograms, and blood pressure of seizure-prone chicks (Gallus domesticus). Rhody JL, et al. **Physiol Behav** 1981 Jun;26(6):1007–11
The predictive value of V3R--V4R precordial leads in the occurrence of conduction disturbances in inferior acute myocardial infarction (AMI). Nistor-Hemmert D, et al. **Physiologie** 1982 Apr–Jun;19(2):87–90
The enigma of the false-positive stress test. Savitz SP, et al. **Postgrad Med** 1982 Apr;71(4):84–5, 88–93, 96
ECG diagnostic pearls and pitfalls. 2. Fascicle block and ventricular hypertrophy. Scheinman MM, et al. **Postgrad Med** 1981 Nov;70(5):136–41
ECG diagnostic pearls and pitfalls. 3. Drug and electrolyte effects. Scheinman MM, et al. **Postgrad Med** 1981 Nov; 70(5):145–51
ECG diagnostic pearls and pitfalls. 1. Acute myocardial infarction and pseudoinfarction. Scheinman MM, et al. **Postgrad Med** 1981 Nov;70(5):125–32
Subarachnoid haemorrhage and the electrocardiogram – a review. Harries AD. **Postgrad Med J** 1981 May; 57(667):294–6 (26 ref.)
The value of electrocardiography in general practice. Bruce JD. **Practitioner** 1982 Mar;226(1365):469–70, 472, 475
The role of the electrocardiogram in the diagnosis of myocardial infarction. Clements SD Jr. **Primary Care** 1981 Sep;8(3):355–70 (10 ref.)
Differences between deaf and hearing adults in task-related EEG asymmetries. Suter S. **Psychophysiology** 1982 Mar; 19(2):124–8
Recurrent ventricular fibrillation associated with normal QT intervals. Shaw TR. **Q J Med** 1981 Autumn;50(200):451–62
ECG changes in exercise-induced asthma. Ahonen A, et al. **Respiration** 1982 May–Jun;43(3):186–93
Progress in neurology. Electrocardiographic and cardiac enzyme abnormalities in acute cerebrovascular disorders. Kiley K, et al. **RI Med J** 1982 Feb;65(2):63–4
The prolonged QT syndrome in childhood. Case reports. Benatar A, et al. **S Afr Med J** 1982 Jul 24;62(4):139–41
Lack of correlation between the clinical assessment of cardiovascular status and exercise electrocardiography. Davidoff R, et al. **S Afr Med J** 1982 Apr 10;61(15):542–3
Correlation of ventricular ectopic activity and exercise-related ST-segment changes. Davidoff R, et al. **S Afr Med J** 1982 Apr 10;61(15):539–42
The natural history of the Q wave in inferoposterior myocardial infarction. Davidoff R, et al. **S Afr Med J** 1982 Apr 24;61(17):611–2
Electrocardiographic manifestations of penetrating cardiac injury. Joshi P, et al. **S Afr Med J** 1981 Dec 19;60(25):955–8
Correlation technique and its application in the His bundle electrocardiogram. Wang XS. **Sci Sin** 1980 Dec; 23(12):1599–607
'Torsade de pointes' – A unique ventricular arrhythmia report of eight cases and review of the literature. Chia BL, et al. **Singapore Med J** 1981 Aug;22(4):219–23
Electrocardiographic changes in acute pancreatitis. Mautner RK, et al. **South Med J** 1982 Mar;75(3):317–20
Hemodynamic and electrocardiographic studies in rheumatic mitral valvular disease. Liau CS, et al. **Taiwan J Hsueh Hui Tsa Chih** 1981 Jan;80(1):104–18
The frequency of mitral valve prolapse in electrocardiographic disturbances of unknown origin. Saraçlar M, et al. **Turk J Pediatr** 1981 Jan–Mar;23(1):23–8
Can you diagnose this? Hypothermia. Romhilt DW. **Va Med** 1981 Aug;108(8):563–4
Can you diagnose this (dextrocardia)? Romhilt DW. **Va Med** 1982 Apr;109(4):259–60
Electrocardiograms in ischemic heart disease. Goldberger A. **West J Med** 1981 Aug;135(2):104–9
[Prognostic capacity of electrocardiography in myocardial infarct patients] Belov Iu, et al. **Vutr Boles** 1982; 21(2):105–11 **(Bul)**
[Comparison of the electrocardiographic and pathologo-anatomic data in 110 fresh myocardial infarct patients] Urumov G, et al. **Vutr Boles** 1981;20(4):67–73 (Eng. Abstr.) **(Bul)**
[Follow-up study of chronic cor pulmonale by echocardiography: its diagnostic value as compared with roentgenography and electrocardiography (author's transl)] Ren JF. **Chung Hua Chieh Ho Ho Hu Hsi Hsi Chi Ping Tsa Chih** 1981 Aug;4(4):220–3 (Eng. Abstr.) **(Chi)**
[An analysis of electrocardiographic changes during artificial abortion in 51 cases (author's transl)] **Chung Hua Fu Chan Ko Tsa Chih** 1979 Apr;14(2):116–7 **(Chi)**
[Diagnostic significance of electrocardiographic P wave n chronic cor pulmonale (author's transl)] Cheng XS. **Chung Hua Hsin Hsueh Kuan Ping Tsa Chih** 1981 Dec; 9(4):257–61 (Eng. Abstr.) **(Chi)**
[Torsade de pointes: a report of 39 cases (author's transl)] Duan BX. **Chung Hua Hsin Hsueh Kuan Ping Tsa Chih** 1980 Dec;8(4):264–7 **(Chi)**
[The Wenckebach phenomenon in concealed incomplete right bundle branch block (author's transl)] Fu XX. **Chung Hua Hsin Hsueh Kuan Ping Tsa Chih** 1980 Jun; 8(2):154–5 **(Chi)**
[The value of delta R on increasing the positive rate of treadmill exercise test in suspicious coronary heart disease with right bundle branch block (author's transl)] Guo JH. **Chung Hua Hsin Hsueh Kuan Ping Tsa Chih** 1982 Mar; 10(1):30–2 **(Chi)**
[Analysis of cardiac arrhythmias in 12,232 electrocardiograms (author's transl)] He QG. **Chung Hua Hsin Hsueh Kuan Ping Tsa Chih** 1980 Dec; 8(4):268–70 **(Chi)**
[Electrocardiograms of the mice with high frequency response and high paper speed (author's transl)] He YX. **Chung Hua Hsin Hsueh Kuan Ping Tsa Chih** 1981 Dec; 9(4):320–2 (Eng. Abstr.) **(Chi)**
[Familial Q-T prolongation syndrome (author's transl)] Qi SS. **Chung Hua Hsin Hsueh Kuan Ping Tsa Chih** 1980 Jun; 8(2):132–3 **(Chi)**
[The value and limitations of the electrocardiogram in the diagnosis of ventricular aneurysm (author's transl)] Sun RL, et al. **Chung Hua Hsin Hsueh Kuan Ping Tsa Chih** 1980 Dec;8(4):255–9 (Eng. Abstr.) **(Chi)**
[ECG in normal dogs (author's transl)] Wang H. **Chung Hua Hsin Hsueh Kuan Ping Tsa Chih** 1980 Jun; 8(2):145–7 **(Chi)**
[QRS mapping with multiple precordial leads in diagnosis of myocardial infarction (author's transl)] Wen YM. **Chung Hua Hsin Hsueh Kuan Ping Tsa Chih** 1981 Dec; 9(4):262–5 (Eng. Abstr.) **(Chi)**
[The value of electrocardiographic P-wave in the diagnosis of left atrial enlargement (author's transl)] Xia HM. **Chung Hua Hsin Hsueh Kuan Ping Tsa Chih** 1981 Sep; 9(3):206–8 **(Chi)**
[Left atrial rhythm: a report of 21 cases (author's transl)] Xia HQ. **Chung Hua Hsin Hsueh Kuan Ping Tsa Chih** 1980 Dec;8(4):280–2 **(Chi)**
[Isolated U-wave inversion (author's transl)] Ye WQ. **Chung Hua Hsin Hsueh Kuan Ping Tsa Chih** 1980 Dec; 8(4):286–7 **(Chi)**
[Observations of the heart rate, blood pressure and ECG during teeth extraction (author's transl)] Sun FX. **Chung Hua Kou Chiang Ko Tsa Chih** 1980 Mar;15(1):8–10 **(Chi)**
[Analysis of 254 dynamic electrocardiograms—comparison of 125 normal adults with 129 patients suffering from angina pectoris (author's transl)] Ding ZC. **Chung Hua Nei Ko Tsa Chih** 1981 Dec;20(12):750–6 **(Chi)**
[Analysis of 24-hour ambulatory electrocardiography in 55 normal persons (author's transl)] Fan MZ. **Chung Hua Nei Ko Tsa Chih** 1981 Feb;20(2):89–91 **(Chi)**
[The relationship between the change of QT interval and the prognosis of acute myocardial infarction (author's transl)] Zhang SW. **Chung Hua Nei Ko Tsa Chih** 1982 Feb; 21(2):93–5 **(Chi)**
[Effect of psychotolytic drugs on the heart and their toxic action—ECG analysis of 183 cases (author's transl)] Chen ZG. **Chung Hua Shen Ching Ching Shen Ko Tsa Chih** 1979 Jun;12(2):109–11 **(Chi)**
[Effect of chloropromazine and trifluoperazine on electrocardiogram—report of 99 cases (author's transl)] Xiang TW. **Chung Hua Shen Ching Ching Shen Ko Tsa Chih** 1981 Nov; 14(4):226–8 **(Chi)**
[Statistical analysis of the electrocardiograms of 200 healthy young athletes, age 12–15 years (author's transl)] Jiang BM, et al. **Chung Hua Yu Fang I Hsueh Tsa Chih** 1982 Mar; 16(2):77–80 (Eng. Abstr.) **(Chi)**
[Thyroid function and its effect on arterial pulse propagation time (author's transl)] Ceňková V, et al. **Cas Lek Cesk** 1982 Jun 11;121(23):710–3 (Eng. Abstr.) **(Cze)**
[ECG and its significance for pulmonary hypertension diagnosis and for the estimation of prognosis in cryptogenic fibrosing pulmonary alveolitis (author's transl)] Ježková L, et al. **Cas Lek Cesk** 1981 Sep 3;120(35):1050–4 (Eng. Abstr.) **(Cze)**
[The diagnostic value of ventricular complex amplitude changes in exercise ECG (author's transl)] Král J. **Cas Lek Cesk** 1981 Oct 1;120(39):1178–82 (Eng. Abstr.) **(Cze)**
[Reversibility of left ventricular hypertrophy after surgery for renovascular hypertension (author's transl)] Widimský J, et al. **Cas Lek Cesk** 1982 Feb 19;121(7):193–7 (Eng. Abstr.) **(Cze)**
[Use of cardiotocography in studying irregular pregnancy] Křikal Z, et al. **Cesk Gynekol** 1982 Mar;47(2):136 **(Cze)**
[Electrocardiographic artifacts in a neonatal intensive care unit] Nekvasil R, et al. **Cesk Pediatr** 1982 Jan;37(1):16–8 (Eng. Abstr.) **(Cze)**
[Diagnostic problems of the preexcitation syndrome in children (author's transl)] Tesařová A, et al. **Sb Lek** 1982 Mar;84(3):85–9 (Eng. Abstr.) **(Cze)**
[The effect of the WPW syndrome on systolic intervals] Homola D, et al. **Vnitr Lek** 1982 Feb;28(2):129–35 (Eng. Abstr.) **(Cze)**
[Electrocardiographic and echocardiographic diagnosis of left ventricular hypertrophy in aortic defects] Koudelková E, et al. **Vnitr Lek** 1981 Apr;27(4):323–31 (Eng. Abstr.) **(Cze)**
[Differences in the course of atrioventricular block in acute myocardial infarction based on the site of origin] Lukl J. **Vnitr Lek** 1981 Mar;27(3):218–28 (Eng. Abstr.) **(Cze)**
[Electrocardiographic manifestations of calcium antagonists] Panoš J, et al. **Vnitr Lek** 1981 Oct;27(10):1026–9 (Eng. Abstr.) **(Cze)**
[Analysis of complete atrioventricular block with accelerated rhythm in acute myocardial infarction from the viewpoint of the trifascicular theory] Stejfa M, et al. **Vnitr Lek** 1981 Nov;27(11):1114–25 (Eng. Abstr.) **(Cze)**
[Status of the circulatory system in hikers from 40 to 67 years of age participating in long hikes] Vizinová H. **Vnitr Lek** 1981 Aug;27(8):779–85 (Eng. Abstr.) **(Cze)**
[Prolonged Q-T syndrome. Report of a case with dominant heredity in a deaf-mute] Christensen O. **Ugeskr Laeger** 1982 Feb 15;144(7):472–5 (Eng. Abstr.) **(Dan)**
[Calculation of serum calcium by means of QaTc intervals] Fallingborg J, et al. **Ugeskr Laeger** 1981 Oct 19; 143(43):2816–8 (Eng. Abstr.) **(Dan)**
[Jervell-Lang Nielsen syndrome. Differential diagnosis in epilepsy and angina pectoris] Hansen PH. **Ugeskr Laeger** 1981 Jun 22;143(26):1662–3 (Eng. Abstr.) **(Dan)**
[Long-term ECG registration. Practical experiences] Jakobsen I, et al. **Ugeskr Laeger** 1982 Apr 19; 144(16):1149–52 (Eng. Abstr.) **(Dan)**
[Value of resting ECG recordings for demonstration of ventricular arrhythmias] Møller M. **Ugeskr Laeger** 1982 Apr 19;144(16):1152–4 (Eng. Abstr.) **(Dan)**

[Clinical physiology of the electric activity of the heart: a gangplank between ship and shore] Durrer D. **Ned Tijdschr Geneeskd** 1982 Apr 3;126(14):625–9 **(Dut)**

[Electrocardiograms of women carriers of Duchenne-type muscular dystrophy : a study of a family with a case of complete atrioventricular heart block (author's transl)] Pailloncy M, et al. **Ann Cardiol Angeiol (Paris)** 1982 Jan-Feb;31(1):47–50 (Eng. Abstr.) **(Fre)**

[Prolonged Q–T interval with functional A–V block in neonates and young infants (author's transl)] Batisse A, et al. **Arch Fr Pediatr** 1981 Nov;38(9):657–62 (Eng. Abstr.) **(Fre)**

[Spontaneous T wave reversal in coronary artery disease. Proof of an ischemic origin] Haiat R. **Arch Mal Coeur** 1981 Jul;74(7):863–4 **(Fre)**

[Difficulties of persistent repolarization following normalization of the QRS wave in the Wolff–Parkinson–White syndrome] Laham J, et al. **Arch Mal Coeur** 1982 Jun;75(6):663–70 (Eng. Abstr.) **(Fre)**

[Comparison of data from exercise tests and continuous electrocardiographic recording in patients with ventricular extrasystole. Apropos of 131 cases] Laurent M, et al. **Arch Mal Coeur** 1982 Jun;75(6):653–62 (Eng. Abstr.) **(Fre)**

[Ventricular arrhythmia following myocardial infarction. Value of continuous electrocardiographic recordings. Preliminary results] Medvedowsky JL, et al. **Arch Mal Coeur** 1981 Jul;74(7):809–19 (Eng. Abstr.) **(Fre)**

[Cardiac electrophysiological effects of endotoxin shock] Pellet J, et al. **Arch Mal Coeur** 1981 Oct;74(10):1217–26 (Eng. Abstr.) **(Fre)**

[Acute phase of ventricular fibrillation in myocardial infarct. Importance of studying electrical systole by determining the QTc] Puddu PE, et al. **Arch Mal Coeur** 1981 Jun; 74(6):649–55 (Eng. Abstr.) **(Fre)**

[Holter recording of electrocardiograms. Evaluation of current methods] Hessel F, et al. **Cardiology** 1981;68 Suppl 1:91–6 **(Fre)**

[Pulmonary embolism diagnosis: contribution of the E.C.G. and lung radiography (author's transl)] D'Orbcastel OR, et al. **J Mal Vasc** 1982;7(2):135–7 **(Fre)**

[Left axial deviation and anterior left fascicular block] Zamfirescu NR, et al. **Physiologie** 1981 Jan–Mar;18(1):61–4 **(Fre)**

[The ECG in physiologic pacing (author's transl)] Scheibelhofer W, et al. **Acta Med Austriaca** 1982;9(2):72–7 (Eng. Abstr.) **(Ger)**

[Electricity and stiffness of the isolated rat heart] Kresnik V. **Acta Med Iugosl** 1982;36(2):131–44 **(Ger)**

[Relative bioavailability and influence of a quinidine retard-formulation on blood-pressure and ECG in healthy volunteers (author's transl)] Knapp W, et al. **Arzneimittelforsch** 1981;31(9):1482–6 (Eng. Abstr.) **(Ger)**

[Myocardial scintigraphy with Tc-99m-diphosphonate in patients with coronary heart disease: a comparison with ECG and hemodynamic examinations at rest and during exertion] Neumann G, et al. **Cor Vasa** 1981;23(6):467–72 (Eng. Abstr.) **(Ger)**

[Clinical relevance of non-invasively recorded late ventricular potentials (author's transl)] Breithardt G, et al. **Dtsch Med Wochenschr** 1982 Apr 30;107(17):643–8 (Eng. Abstr.) **(Ger)**

[Thoracic radiography and ECG in newly detected hypertension. Their value in diagnosis and therapy planning] Sturm A. **Dtsch Med Wochenschr** 1981 Nov 27; 106(48):1603–6 **(Ger)**

[Use of intracardial R-potential measurement at pacemaker implantation (author's transl)] Sabin G, et al. **Herz** 1980 Aug;5(4):257–61 (Eng. Abstr.) **(Ger)**

[Computerized cardiac rhythm and heart analysis in children with mitral valve prolapse (author's transl)] Schmaltz AA, et al. **Herz** 1982 Feb;7(1):50–6 (Eng. Abstr.) **(Ger)**

[Stellatum blockade and long-QT syndrome (author's transl)] Theisen K. **Klin Wochenschr** 1981 Oct 15;59(20):1175 **(Ger)**

[Neurogenic changes in the end interval of the ECG] Diederich KW, et al. **Med Klin [Prax]** 1982 Jun 18; 77(13):28–35, 61 **(Ger)**

[ECG during rest as an indicator of vascular changes in diabetic patients] Janka HU, et al. **Med Klin [Prax]** 1982 Mar 26;77(7):42–9 (Eng. Abstr.) **(Ger)**

[Glucose tolerance and electrocardiographic findings in occupants of middle age in a village on Crete] Katsilambros N, et al. **Med Welt** 1981 Oct 23;32(43):1627–9 **(Ger)**

[The J wave in the ECG as a sign of hypothermia] Fink M, et al. **MMW** 1982 Apr 16;124(15):381–2 **(Ger)**

[Changes in the T-wave of the ECG in brain injuries] Polzien P, et al. **MMW** 1981 Oct 23;123(43):1619–20 **(Ger)**

[Assessment of haemodynamic parameters using a scintillation camera and ECG-triggered data acquisition (author's transl)] Bauer R, et al. **Nuklearmedizin** 1981 Aug; 20(4):157–62 (Eng. Abstr.) **(Ger)**

[The electrocardiogram in myocardial diseases] Hess OM, et al. **Schweiz Med Wochenschr** 1982 Mar 6;112(10):333–8 (Eng. Abstr.) **(Ger)**

[Results of a questionnaire study on coronary disease and its relation to electrocardiographic changes and respiratory symptoms in a North German population] Todzy I, et al. **Soz Praventivmed** 1981 Sep;26(4):237–47 (Eng. Abstr.) **(Ger)**

[Effect of betapressin on respiratory measurements and stress ECG in patients with coronary disease] Felder K. **Ther Ggw** 1981 Jun;120(6):559–70 **(Ger)**

[Recommendations for the interpretation and evaluation of electrocardiograms of juveniles and adults. A short programmed course. 3. Introduction and partial program I: Rhythm forms, heart rate and position type 3. Demonstration of selected electrocardiograms] Assmann I, et al. **Z Arztl Fortbild (Jena)** 1981 Nov 15;75(22):1050–60 **(Ger)**

[Recommendations on the evaluation and interpretation of electrocardiograms of adolescents and adults. Brief programmed course. 5. Partial program II: Morphology, time variables and amplitude variables (2)] Mücke D, et al. **Z Arztl Fortbild (Jena)** 1982 Apr 15;76(8):348–57 **(Ger)**

[Recommendations for the interpretation and evaluation of electrocardiographs of juveniles and adults. A short programmed course. 2. Report. Partial program I. Form of rhythm, heart rate, position type. 2.] Mücke D, et al. **Z Arztl Fortbild (Jena)** 1981 Nov 1;75(21):1011–8 **(Ger)**

[ECG in acute myocardial infarct: misinterpretation due to delay of the characteristic infarct signs, bundle-branch block picture and extrasystoles] Schüffler J. **Z Arztl Fortbild (Jena)** 1982 Mar 1;76(5):186–90 **(Ger)**

[Relation between HDL cholesterol and ECG findings] Bergert KD, et al. **Z Gesamte Inn Med** 1981 Jul 1; 36(13):462–4 (Eng. Abstr.) **(Ger)**

[ECG changes in the late postoperative course of patients following alloplastic heart valve replacement] Panzner B, et al. **Z Gesamte Inn Med** 1981 Nov 1;36(21):806–10 (Eng. Abstr.) **(Ger)**

[The effect of beta-receptor blockers and cardiac glycosides on the heart rate, systolic blood pressure and ST interval in submaximal ergometer exertion] Schaller K, et al. **Z Gesamte Inn Med** 1982 Jan 15;37(2):50–3 (Eng. Abstr.) **(Ger)**

[Problems of so-called functional ECG changes] Ziesenhenn K, et al. **Z Gesamte Inn Med** 1982 Mar 1;37(5):155–8 (Eng. Abstr.) **(Ger)**

[Electrophysiological effects of flecainide on stimulus-inducible ventricular tachycardia] Breithardt G, et al. **Z Kardiol** 1982 Apr;71(4):278–83 (Eng. Abstr.) **(Ger)**

[ST-segment depression and R-amplitude changes during bicycle stress test in patients with coronary artery disease (author's transl)] Hoberg E, et al. **Z Kardiol** 1981 Oct; 70(10):776–80 (Eng. Abstr.) **(Ger)**

[Comparison of 24-hour long-term electrocardiogram and exercise testing in the detection of ventricular arrhythmias (author's transl)] Tiso B, et al. **Z Kardiol** 1982 May; 71(5):365–9 (Eng. Abstr.) **(Ger)**

[ECG changes and risk factors in the elderly] Kinner B, et al. **ZFA (Dresden)** 1981;36(3):177–83 **(Ger)**

[ECG findings in cardiomyopathies] Pech HJ. **ZFA (Dresden)** 1981;36(3):225–6 **(Ger)**

[ECG--review and quiz. 1.] **ZFA (Stuttgart)** 1982 Jan 10; 58(1):32–4 **(Ger)**

[ECG--repetition and quiz (9)] Doenecke P. **ZFA (Stuttgart)** 1982 Apr 10;58(10):564–6 **(Ger)**

[Electrophysiological diagnosis of paroxysmal atrio-ventricular block] Belhassen B, et al. **Harefuah** 1981 Dec 1;101(11):311–3 **(Heb)**

[Ventricular tachycardia exhibiting the 'Torsade de Pointes' (editorial)] Grenadier E, et al. **Harefuah** 1981 Oct; 101(7–8):188–9 **(Heb)**

[Cardiac arrhythmias and electrocardiographic abnormalities in amitriptyline poisoning] Nissimov R, et al. **Harefuah** 1981 Sep;101(5–6):105–8 (Eng. Abstr.) **(Heb)**

[Electrocardiographic changes during and after upper gastrointestinal tract endoscopy] Rattan J, et al. **Harefuah** 1982 Jan 1;102(1):13–4 (Eng. Abstr.) **(Heb)**

[Myocardial infarct suspected by changes in the ST and T leads during pacemaker therapy] Lőrincz I, et al. **Orv Hetil** 1981 Jul 19;122(29):1765–71 **(Hun)**

[Alternating Wenckebach period] Szabó Z, et al. **Orv Hetil** 1982 Jan 17;123(3):163–5 **(Hun)**

[Frequency of electrocardiographic changes in patients with cerebrovascular insufficiency] Ferrara AL, et al. **Acta Neurol [Quad] (Napoli)** 1980;41:39–42 **(Ita)**

[R wave variations during the bicycle exercise test] Malvezzi A, et al. **Boll Soc Ital Biol Sper** 1981 May 15;57(9):931–6 (Eng. Abstr.) **(Ita)**

[Effect of isometric force (handgrip) on R wave amplitude] Malvezzi A, et al. **Boll Soc Ital Biol Sper** 1981 May 15; 57(9):937–43 (Eng. Abstr.) **(Ita)**

[Influence of blood potassium variations on changes in electrocardiographic patterns during oral glucose tolerance test] Strollo G, et al. **Boll Soc Ital Biol Sper** 1981 Oct 30; 57(20):2029–35 (Eng. Abstr.) **(Ita)**

[Relation between the blood potassium and blood glucose responses and electrocardiographic changes, specifically the T wave, during the oral glucose tolerance test] Strollo G, et al. **Boll Soc Ital Biol Sper** 1981 Oct 30;57(20):2036–42 (Eng. Abstr.) **(Ita)**

[The dynamic ECG of premature infants in the 1st days of life] Brusoni B, et al. **Boll Soc Ital Cardiol** 1980;25(9):1092 **(Ita)**

[Evaluation of ischemic damage in acute myocardial infarct, using the Frank orthogonal leads] Cantelli I, et al. **Boll Soc Ital Cardiol** 1980;25(5):521–4 (Eng. Abstr.) **(Ita)**

[Correlation between the Q–T interval and ventricular arhythmias in acute myocardial infarct] Chella P, et al. **Boll Soc Ital Cardiol** 1980;25(7):723–9 (Eng. Abstr.) **(Ita)**

[The QT interval in acute myocardial infarct] Corsini G, et al. **Boll Soc Ital Cardiol** 1980;25(8):931–6 **(Ita)**

[Study of right ventricular activation with the endocardiac mapping technic in subjects with normal QRS and with right branch block] D'Este D, et al. **Boll Soc Ital Cardiol** 1980;25(10):1211–4 **(Ita)**

[Indications, contraindications and limitations of the ergonovine maleate test in electrocardiography. Study of 210 cases] Di Lorenzo M, et al. **Boll Soc Ital Cardiol** 1980; 25(9):1085–91 **(Ita)**

[Flexibility and increased reliability of a new program for computer analysis of the ECG] Feruglio GA, et al. **Boll Soc Ital Cardiol** 1980;25(8):921–8 **(Ita)**

[Use of the dynamic ECG in the diagnosis of spontaneous angina] Iannetti M, et al. **Boll Soc Ital Cardiol** 1980; 25(8):873–7 **(Ita)**

[Evaluation of the postinfarction dyssynergic area by thoracic electrocardiographic maps] Landolina M, et al. **Boll Soc Ital Cardiol** 1980;25(11):1303–6 **(Ita)**

[Electrocardiographic behavior in pulmonary thromboembolism] Lapi PR, et al. **Boll Soc Ital Cardiol** 1980;25(4):355–68 (Eng. Abstr.) **(Ita)**

[Interrelation of pressure and ventricular dimensions in the ECG pattern of biventricular involvement in mitral and aortic defects] Loperfido F, et al. **Boll Soc Ital Cardiol** 1980;25(9):1145–7 **(Ita)**

[Evaluation of autonomic neuropathy in uremic patients by electrocardiographic study of the R–R interval] Maiorano G, et al. **Boll Soc Ital Cardiol** 1981;26(5):481–7 **(Ita)**

[Computerized analysis of the changes in the R wave amplitude during exercise tests of normal subjects and coronary disease patients] Manca C, et al. **Boll Soc Ital Cardiol** 1980;25(5):495–501 (Eng. Abstr.) **(Ita)**

[Dynamic electrocardiography in ambulatory cardiology practice] Marchini L, et al. **Boll Soc Ital Cardiol** 1980; 25(6):611–8 (Eng. Abstr.) **(Ita)**

[Accuracy of the dynamic electrocardiogram in the diagnosis of coronary insufficiency] Massa D, et al. **Boll Soc Ital Cardiol** 1980;25(8):879–81 **(Ita)**

[Monitoring anti-arrhythmic therapy with dynamic ECG and serum levels] Meoli P, et al. **Boll Soc Ital Cardiol** 1980; 25(9):1081–3 **(Ita)**

[Effects of unilateral stellate ganglion block on the ST–T segment and QT interval in a group of subjects with normal cardiovascular systems] Morage G, et al. **Boll Soc Ital Cardiol** 1980;25(10):1173–8 **(Ita)**

[Electrocardiographic differential diagnosis of ischemic and aspecific anomalies of ventricular repolarization] Mosti GB, et al. **Boll Soc Ital Cardiol** 1980;25(7):731–45 (Eng. Abstr.) **(Ita)**

[Evaluation with dynamic ECG of the spontaneous and circadian variations of the frequency of complicated ventricular extrasystole] Naccarella F, et al. **Boll Soc Ital Cardiol** 1980;25(5):525–31 (Eng. Abstr.) **(Ita)**

[Analysis of the individual curves of the systolic intervals during uninterrupted exercise in normal subjects and hypertensive patients] Ravizza P, et al. **Boll Soc Ital Cardiol** 1980;25(11):1249–53 **(Ita)**

[Value of the use of dynamic in monitoring ambulatory patients: personal cases] Rossi A, et al. **Boll Soc Ital Cardiol** 1980;25(3):281–9 (Eng. Abstr.) **(Ita)**

[Interference of various quinidine-like drugs with the ventricular recovery stage in heart disease] Santinelli V, et al. **Boll Soc Ital Cardiol** 1981;26(2):131–6 **(Ita)**

[Diagnosis of myocardial infarct in presence of anterior fascicular block. Electrocardiographic and vectorcardiographic studies] Tullio D. **Boll Soc Ital Cardiol** 1980;25(4):397–408 (Eng. Abstr.) **(Ita)**

[Significance of electro-vectorcardiographic changes in patients and carriers of Duchenne muscular dystrophy] Wu SC, et al. **Boll Soc Ital Cardiol** 1981;26(1):29–39 **(Ita)**

[Dynamic ECG monitoring in ischemic cardiopathy] Zacà F, et al. **Boll Soc Ital Cardiol** 1980;25(6):563–8 (Eng. Abstr.) **(Ita)**

[Dynamic ECG monitoring in arrhythmias] Zacà F, et al. **Boll Soc Ital Cardiol** 1980;25(6):557–61 (Eng. Abstr.) **(Ita)**

[Sick sinus syndrome: electrophysiological evaluation and long-term prognosis] Capucci A, et al. **G Clin Med** 1981 Oct;62(10):711–21 (Eng. Abstr.) **(Ita)**

[Standardization of the terminology and diagnostic criteria of ventricular activation delays. Italian Electrocardiography Study Group] **G Ital Cardiol** 1981; 11(10):1564–9 **(Ita)**

[Paroxysmal supraventricular tachycardias due to re-entry via concealed retrograde atrio-His bypass (author's transl)] Alboni P, et al. **G Ital Cardiol** 1981;11(12):1871–82 (Eng. Abstr.) **(Ita)**

[Unusual electrocardiographic pattern caused by anatomical dextroposition] Balducci G, et al. **G Ital Cardiol** 1981; 11(5):692–7 (Eng. Abstr.) **(Ita)**

[Electrocardiographic and vectorcardiographic aspects of tricuspid atresia] Calabrò R, et al. **G Ital Cardiol** 1981; 11(5):569–76 (Eng. Abstr.) **(Ita)**

[Natural course of the ST-segment evaluated by the orthogonal leads of the Frank vector system in the early stage of acute myocardial infarction (author's transl)] Cantelli I, et al. **G Ital Cardiol** 1982;11(11):1663–8 (Eng. Abstr.) **(Ita)**

[ST-segment trend in patients with acute myocardial infarction treated with antithrombotic drugs (author's transl)] Compostella L, et al. **G Ital Cardiol** 1982; 11(11):1762–74 (Eng. Abstr.) **(Ita)**

[Long-term electrical stimulation of tachycardias: control by ambulatory electrocardiographic monitoring (author's transl)] Critelli G, et al. **G Ital Cardiol** 1981;11(10):1433–40 (Eng. Abstr.) **(Ita)**

[Effect of age on heart rate and systolic time intervals in children, adolescents and young adults (author's transl)] De Caprio L, et al. **G Ital Cardiol** 1981;11(6):724–7 (Eng. Abstr.) **(Ita)**

[The right ventricular activation in ventricular activation delays. An endocardial mapping study (author's transl)] Delise P, et al. **G Ital Cardiol** 1981;11(8):1044–54 (Eng. Abstr.) **(Ita)**

[Dynamic electrocardiography. Current status] Fazzini PF, et al. **G Ital Cardiol** 1981;11 Suppl 1:407–27 (74 ref.) **(Ita)**

[Automation of the laboratory of clinical electrocardiography. Almost 10 years' experience in a large hospital] Feruglio GA. **G Ital Cardiol** 1981;11 Suppl 1:8–20 **(Ita)**

[Atrial dissociation caused by complete intra-atrial block] Greco F, et al. **G Ital Cardiol** 1981;11(10):1542–7 **(Ita)**

[Hypertrophic cardiomyopathy: ECG–VCG abnormalities in absence of the echocardiographic markers in a family (author's transl)] Loperfido F, et al. **G Ital Cardiol** 1981; 11(9):1266–75 (Eng. Abstr.) **(Ita)**

[Electrocardiographic and vectorcardiographic examinations in differential diagnosis of cyanotic congenital cardiopathies with interventricular defect and obstruction of pulmonary outflow] Marsico F, et al. **G Ital Cardiol** 1981;11(5):559–68 (Eng. Abstr.) **(Ita)**

[Precordial mapping of the QRS complex and Frank's orthogonal ECG in evaluation of the myocardial infarct area. Comparison of the 2 methods] Melandri G, et al. **G Ital Cardiol** 1981;11(5):600–7 (29 ref.) (Eng. Abstr.) **(Ita)**

[Comparison between holter dynamic ECG and exercise stress test in the evaluation of ventricular arrhythmias in patients with ischaemic heart disease (author's transl)] Minardi G, et al. **G Ital Cardiol** 1981;11(8):1063–71 (Eng. Abstr.) **(Ita)**

[Progress of electrocardiography and vectorcardiography in the past 10 years] Piccolo E, et al. **G Ital Cardiol** 1981;11 Suppl 1:73–102 (181 ref.) **(Ita)**

['Left bundle branch block' pattern induced by premature right atrial stimulation. Electrogenetic and clinical considerations (author's transl)] Raviele A, et al. **G Ital Cardiol** 1981;11(8):1026–43 (Eng. Abstr.) **(Ita)**

[Vectorcardiographic study in elderly subjects with a normal ECG (author's transl)] Tullio D, et al. **G Ital Cardiol** 1981; 11(12):1957–67 (Eng. Abstr.) **(Ita)**

[Changes in the Q–T interval in the acute phase of myocardial infarct] Cantelli I, et al. **Minerva Cardioangiol** 1981 Jul–Aug;29(7–8):417–22 (Eng. Abstr.) **(Ita)**

[Unusual ECG and vectorcardiographic aspects of hypertrophic cardiomyopathy] Labriola E, et al. **Minerva Cardioangiol** 1981 Sep;29(9):461–70 (Eng. Abstr.) **(Ita)**

[Dynamic electrocardiography. A new approach to chronobiology] Lucente M, et al. **Minerva Cardioangiol** 1981 Jul–Aug;29(7–8):399–408 (Eng. Abstr.) **(Ita)**

[The electrocardiogram of patients with thalassemia major in childhood] Oreto G, et al. **Minerva Cardioangiol** 1981 Jun;29(6):331–4 (Eng. Abstr.) **(Ita)**

[Possible use of diphenylhydantoin in the treatment of ventricular tachycardia with torsade de pointe] Puccinelli G, et al. **Minerva Cardioangiol** 1981 Jul–Aug; 29(7–8):423–30 (Eng. Abstr.) **(Ita)**

[Continuous electrocardiographic recording in the late phase of hospitalization and in ambulatory care of the myocardial infarct patient] Racco F, et al. **Minerva Cardioangiol** 1981 Jul–Aug;29(7–8):409–15 (Eng. Abstr.) **(Ita)**

[Left deviation of the QRS electrical axis in relation to age] Wu SC, et al. **Minerva Cardioangiol** 1981 Sep;29(9):471–5 **(Ita)**

[Electrocardiographic and echocardiographic examinations in patients and carriers of Duchenne's progressive muscular dystrophy] Zuppiroli A, et al. **Minerva Cardioangiol** 1982 Mar;30(3):109–14 (Eng. Abstr.) **(Ita)**

[The value of continued dynamic electrocardiography in the sick sinus syndrome] Baratta L, et al. **Minerva Med** 1982 Apr 2;73(14):837–9 (Eng. Abstr.) **(Ita)**

[Use of systolic times and electrocardiography for the evaluation of left ventricle involvement in aortic valve diseases] Gemelli A, et al. **Minerva Med** 1981 Oct 13; 72(39):2611–6 (Eng. Abstr.) **(Ita)**

[Notes on electrocardiograms of patients over 70] Sgarbi M, et al. **Minerva Med** 1982 Apr 2;73(14):787–90 (Eng. Abstr.) **(Ita)**

[Role of the sympathetic nervous system in repolarization changes] Morace G, et al. **Recenti Prog Med** 1981 Nov; 71(5):532–40 (46 ref.) (Eng. Abstr.) **(Ita)**

[Dynamic ECG monitoring of military pilots in flight] Ramacci CA, et al. **Riv Med Aeronaut Spaz** 1981 Jan–Jun; 45(1–2):31–52 (Eng. Abstr.) **(Ita)**

[Central venous catheterization using ECG monitoring and its obstetrical application (author's transl)] Ohta C, et al. **Acta Obstet Gynaecol Jpn** 1981 Jul;33(7):1025–34 (Eng. Abstr.) **(Jpn)**

[Factors affecting ECG diagnosis of myocardial infarcts in aged people. An electrocardiographic–pathologic correlation study (author's transl)] Hirata M, et al. **Fukuoka Igaku Zasshi** 1981 May;72(5):300–10 (Eng. Abstr.) **(Jpn)**

[Value of ECG–ratio–telemetry in cardiac patients (author's transl)] Iwamoto M, et al. **Iyodenshi To Seitai Kogaku** 1980 Dec;18(7):474–8 **(Jpn)**

[A method of evaluating the performance of pre-procedure of the P-wave recognition program with the adaptive correlating filter and its application to the evaluation of templates used in the P-wave segmentation procedure (author's transl)] Murakami K, et al. **Iyodenshi To Seitai Kogaku** 1981 Jun;19(3):224–7 (Eng. Abstr.) **(Jpn)**

[Evaluation of myocardial infarction by ECG gated cardiac computed tomography (author's transl)] Inoue E, et al. **J Cardiogr** 1981 Sep;11(3):803–12 (Eng. Abstr.) **(Jpn)**

[Cineangiographical and histopathological studies on hypertrophic myocardial disease with giant negative T wave (author's transl)] Kudo K, et al. **J Cardiogr** 1981 Sep; 11(3):837–46 (Eng. Abstr.) **(Jpn)**

[Assessment of hypertrophic cardiomyopathy by ECG gated cardiac computed tomography (author's transl)] Takeuchi K, et al. **J Cardiogr** 1981 Sep;11(3):847–58 (Eng. Abstr.) **(Jpn)**

[Analysis of the cardiac motion in myocardial infarction by the ECG–synchronized CT (author's transl)] Watanabe S, et al. **J Cardiogr** 1981 Jun;11(2):415–23 (Eng. Abstr.) **(Jpn)**

[Evaluation of regional wall motion using phase analysis of gated blood pool study (author's transl)] Mukai T, et al. **Kaku Igaku** 1981 Jun;18(5):609–12 (Eng. Abstr.) **(Jpn)**

[RV function evaluation using volume-pressure loop by ECG-gated equilibrium radionuclide angiography and simultaneously acquired RV pressure data (author's transl)] Watanabe S, et al. **Kaku Igaku** 1981 Feb;18(1):75–80 (Eng. Abstr.) **(Jpn)**

[The clinical significance of exercise-induced ST-segment elevation–electrocardiographic and arteriographic evaluation in 23 patients (author's transl)] Aizawa T, et al. **Kokyu To Junkan** 1981 Nov;29(11):1203–11 (Eng. Abstr.) **(Jpn)**

[On high incidence of exercise-induced ischemic electrocardiographic changes in female over 4th decade (author's transl)] Fukuda I. **Kokyu To Junkan** 1981 Nov; 29(11):1185–93 **(Jpn)**

[T wave change in the exercise electrocardiography (author's transl)] Harumi K, et al. **Kokyu To Junkan** 1981 Nov; 29(11):1161–7 **(Jpn)**

[Exercise testing and electrocardiographic P wave (author's transl)] Hiasa Y, et al. **Kokyu To Junkan** 1981 Nov; 29(11):1135–9 **(Jpn)**

[Clinical significance of R wave amplitude with special reference to 'Brody' effect (author's transl)] Ishikawa K. **Kokyu To Junkan** 1982 Feb;30(2):125–31 **(Jpn)**

[The qualitative and quantitative evaluations of septal hypertrophy in primary myocardial disease by body surface mapping (author's transl)] Ishikawa T, et al. **Kokyu To Junkan** 1981 May;29(5):545–51 (Eng. Abstr.) **(Jpn)**

[Mechanisms and clinical significance of exercise-induced ST segment deviation (author's transl)] Kato K. **Kokyu To Junkan** 1981 Nov;29(11):1149–59 **(Jpn)**

[R wave change with time during exercise test (author's transl)] Nakamura T. **Kokyu To Junkan** 1982 Jun; 30(6):617–24 (Eng. Abstr.) **(Jpn)**

[R-wave voltage criteria in electrocardiographic exercise testing (author's transl)] Sotobata I, et al. **Kokyu To Junkan** 1981 Nov;29(11):1141–8 **(Jpn)**

[The U wave change after exercise test (author's transl)] Toyama S, et al. **Kokyu To Junkan** 1981 Nov; 29(11):1169–74 **(Jpn)**

[Electrocardiographic studies on acute pericarditis—especially with ventricular involvement of idiopathic pericarditis (author's transl)] Yoneda S, et al. **Kokyu To Junkan** 1982 Feb;30(2):213–9 (Eng. Abstr.) **(Jpn)**

[An E. C. G. alteration from normal to WPW conduction induced by prostaglandin F2 alpha (author's transl)] Fuke N, et al. **Masui** 1982 Apr;31(4):381–6 (Eng. Abstr.) **(Jpn)**

[A study on the negative U wave in variant angina pectoris (author's transl)] Otsu F. **Nippon Ika Daigaku Zasshi** 1981 Jun;48(3):410–27 (Eng. Abstr.) **(Jpn)**

[Clinical profiles of variant angina pectoris in comparison with those of angina pectoris at rest showing ST depression] Suzuki K. **Nippon Ika Daigaku Zasshi** 1981 Dec;48(6):719–34 (Eng. Abstr.) **(Jpn)**

[Study of computer display of epicardial map. Part II: Epicardial map in the Wolff–Parkinson–White syndrome (author's transl)] Iwase T. **Nippon Kyobu Geka Gakkai Zasshi** 1981 Aug;29(8):1345–58 (Eng. Abstr.) **(Jpn)**

[A case of pheochromocytoma with transient fluctuation of blood pressure and electrocardiographic findings after administration of alpha-methyldopa (authors' transl)] Hamashige N, et al. **Nippon Naika Gakkai Zasshi** 1981 Oct 10;70(10):1414–20 **(Jpn)**

[Studies on early diagnosis of acute myocardial infarction —with special reference to ECG changes immediately after the attack of infarction and clinical findings (author's transl)] Shiohara Y, et al. **Nippon Naika Gakkai Zasshi** 1981 Aug 10;70(8):1112–22 **(Jpn)**

[Genetic control of PQ prolongation of the electrocardiogram in the mouse immunized with the killed group A streptococci (author's transl)] Matsunaga K, et al. **Ryumachi** 1981 Mar;21(1):16–21 (Eng. Abstr.) **(Jpn)**

[EKG changes for chronic cor pulmonale in silicosis and silicotuberculosis (author's transl)] Orušev T. **God Zb Med Fak Skopje** 1979 Jan;25:285–8 (Eng. Abstr.) **(Mac)**

[Heart position-related ECG changes suggesting right-ventricular hypertrophy] Hawrylkiewicz I, et al. **Kardiol Pol** 1981;24(9):631–4 **(Pol)**

[Hemodilution effect on the electrocardiogram and left-ventricular contraction dynamics in patients with obliterative arteriosclerosis] Dąbrowski A, et al. **Pol Tyg Lek** 1982 Apr 5;37(4–5):117–9 (Eng. Abstr.) **(Pol)**

[Abnormal Q waves and QS complexes as a manifestation of intraventricular conduction disorders] Dąbrowski A, et al. **Pol Tyg Lek** 1981 May 25;36(21):759–62 (Eng. Abstr.) **(Pol)**

[Value of the analysis of the ECG P wave for the evaluation of hemodynamic disorders in myocardial infarct in the light of invasive studies] Dubejko J, et al. **Pol Tyg Lek** 1981 Jun 29;36(26):957–62 (Eng. Abstr.) **(Pol)**

[Electrocardiographic changes in acute poisoning] Forycki Z, et al. **Pol Tyg Lek** 1980 Dec 15;35(50):1941–4 (Eng. Abstr.) **(Pol)**

[Usefulness of P wave change evaluation in the electrocardiograms of myocardial infarction patients in the diagnosis of latent left ventricular failure] Dubejko J, et al. **Wiad Lek** 1982 Apr 15;35(2):85–91 (Eng. Abstr.) **(Pol)**

[Clinical examination of patients with various electrocardiographic forms of Wenckebach's period] Kolber-Postępska B, et al. **Wiad Lek** 1981 Jun 1; 34(11):881–7 (Eng. Abstr.) **(Pol)**

[Central venous pressure changes in patients with myocardial infarct in relation to the electrocardiographic location of necrosis] Ruminski W, et al. **Wiad Lek** 1982 May 15; 35(5):275–81 (Eng. Abstr.) **(Pol)**

[Prinzmetal's variant angina - report of 7 cases] Benchimol AB, et al. **Arq Bras Cardiol** 1981 May;36(5):357–71 **(Por)**

[QS deflection in right ventricle infarction: cavitary theory and vectorial theory - report of 2 cases] de Mesquita QH, et al. **Arq Bras Cardiol** 1981 Feb;36(2):125–31 (Eng. Abstr.) **(Por)**

[Relation of the degree of S-T segment displacement and the initial course of acute myocardial infarct] López M, et al. **Arq Bras Cardiol** 1981 May;36(5):305–8 (Eng. Abstr.) **(Por)**

[Modern non-invasive examination of the myocardial infarct patient. II-A] Gherasim L, et al. **Rev Med Interna [Med Interna]** 1981 Sep–Oct;33(5):321–37 (72 ref.) **(Rum)**

[Electrocardiographic changes in a group of students and their relation to several risk factors] Mincu L, et al. **Rev Med Interna [Med Interna]** 1982 Jan–Mar;34(1):29–33 **(Rum)**

[ECG changes in freezing] Lukoshiavichiute AI, et al. **Anesteziol Reanimatol** 1982 Mar–Apr;(2):56–60 **(Rus)**

[Correlation of the quantitative ECG and echocardiogram indices in left ventricular hypertrophy according to correlational analysis data] Alekperov II, et al. **Kardiologiia** 1981 Nov;21(11):90–3 (Eng. Abstr.) **(Rus)**

[Prolongation of the Q–T interval of the ECG: classification and clinical significance] Doshchitsin VL, et al. **Kardiologiia** 1981 Oct;21(10):22–8 (Eng. Abstr.) **(Rus)**

[ECG changes and their comparison with x-ray data in the late period after an operation for a secondary interatrial septal defect] Konstantinov BA, et al. **Kardiologiia** 1981 Nov;21(11):63–8 (Eng. Abstr.) **(Rus)**

[Dynamics of electrocardiographic, cardiohemodynamic and biochemical indices as affected by intensive bicycle ergometer training in stenocardia patients] Kudinov VI, et al. **Kardiologiia** 1982;22(7):21–5 (Eng. Abstr.) **(Rus)**

[ECG in arterial hypertension in 15 and 16-year-old adolescents] Loginova TI, et al. **Kardiologiia** 1981 Jul; 21(7):96–9 (Eng. Abstr.) **(Rus)**

[Electrocardiographic diagnosis of chronic cor pulmonale] Matveev LN. **Kardiologiia** 1982 Apr;22(4):26–30 (Eng. Abstr.) **(Rus)**

[Modern concepts of the ECG changes in branch block of the bundle of His and of the ramifications of the left branch] Orlov VN. **Kardiologiia** 1981 Sep;21(9):48–52 (Eng. Abstr.) **(Rus)**

[Electro- and phonocardiograms in postinfarct defect of the interventricular septum] Gel'shtein GG, et al. **Klin Med (Mosk)** 1981 Jun;59(6):20–5 (Eng. Abstr.) **(Rus)**

[Anesthetizing effect of dipidolor and its influence on electrocardiogram dynamics in acute myocardial infarct] Tsimmerman IaS, et al. **Klin Med (Mosk)** 1982 May; 60(5):63–5 **(Rus)**

[Echocardiography and electrocardiography in evaluating

myocardial status in children with mucoviscidosis] Oskolkova MK, et al. **Pediatriia** 1982 Mar;(3):44–7 (Eng. Abstr.) **(Rus)**

[Comparative value of electro- and echocardiography in the diagnosis of left ventricular hypertrophy] Ostapiuk FE, et al. **Sov Med** 1981;(10):7–11 (Eng. Abstr.) **(Rus)**

[Interdependence of blood coagulation indices, circulating antibody titers and the ECG in ischemic heart disease] Selivanov II, et al. **Sov Med** 1982;(1):10–5 (Eng. Abstr.) **(Rus)**

[Comparison of biochemical and electrocardiographic methods of determining the size of a myocardial infarct] Sysoeva NA, et al. **Sov Med** 1981;(11):6–10 (Eng. Abstr.) **(Rus)**

[EKG changes in recurrent thromboembolism of the pulmonary artery] Ashikhmina AA, et al. **Ter Arkh** 1982; 54(4):83–7 (Eng. Abstr.) **(Rus)**

[Changes of the T wave and ST segment of the EKG in certain variants of hypertrophic cardiomyopathy] Popov VG. **Ter Arkh** 1982;54(1):84–9 (Eng. Abstr.) **(Rus)**

[Role of necrosis in physiopathological changes of the heart and in electrocardiographic indices characteristic for myocardial infarction] Udel'nov MG. **Ter Arkh** 1982; 54(3):33–7 (Eng. Abstr.) **(Rus)**

[Significance of electrocardiographic findings in prospective studies of samples of male population] Kokurina EV, et al. **Vestn Akad Med Nauk SSSR** 1981;(9):72–9 **(Rus)**

[Functional electrocardiographic methods in the diagnosis of nonrheumatic myocardities] Novikov IuI, et al. **Vopr Revm** 1982 Jan–Mar;(1):55–64 (17 ref.) **(Rus)**

[Transient ECG changes in the diagnosis of focal myocarditis complicating influenza] Panteleeva SE, et al. **Vopr Revm** 1982 Apr–Jun;(2):15–20 (Eng. Abstr.) **(Rus)**

[Post-extrasystole phenomenon due to a functional etiology] Vasić V. **Srp Arh Celok Lek** 1981 Oct;109(10):1355–62 **(Scc)**

[Regression of the Q wave after myocardial infarct] Vrcelj S, et al. **Srp Arh Celok Lek** 1981 May–Jun;109(5–6):755–61 (Eng. Abstr.) **(Scc)**

[Alcohol consumption and changes in the electrocardiogram] Mimica M, et al. **Arh Hig Rada Toksikol** 1981;32(2):173–80 (Eng. Abstr.) **(Scr)**

[Electrocardiographic changes in the course of intravenous urography using enlarged quantities of contrast media (author's transl)] Boschi S, et al. **Lijec Vjesn** 1981 Oct; 103(10):427–30 (Eng. Abstr.) **(Scr)**

[Right bundle branch block in the electrocardiogram – a prospective study (author's transl)] Durakovič Z, et al. **Lijec Vjesn** 1981 Aug;103(8):323–6 (Eng. Abstr.) **(Scr)**

[ECG changes in patients with enterovirus infections during an epidemic in 1979 (author's transl)] Lisić M, et al. **Lijec Vjesn** 1981 June;103(6):234–7 (Eng. Abstr.) **(Scr)**

[Group hierarchy and vegetative control of cardiac function in Macaques (author's transl)] Cerkovičová GM, et al. **Bratisl Lek Listy** 1982 May;77(5):516–25 (Eng. Abstr.) **(Slo)**

[Isopotential maps of the Q wave in acute myocardial infarction (author's transl)] Filipová S, et al. **Bratisl Lek Listy** 1981 Oct;76(4):422–55 (Eng. Abstr.) **(Slo)**

[Postural changes in the orthogonal electrocardiogram in healthy adolescents (author's transl)] Hulín I, et al. **Bratisl Lek Listy** 1981 Oct;76(4):423–41 (Eng. Abstr.) **(Slo)**

[Relationship between plasma HDL-cholesterol and ECG signs of myocardial ischemia and increased blood pressure (author's transl)] Strec V, et al. **Bratisl Lek Listy** 1981 Apr; 75(4):427–37 (Eng. Abstr.) **(Slo)**

[Computer evaluation of the electrocardiogram in the District Health System] Renker B, et al. **Vnitr Lek** 1982 Mar; 28(3):241–7 (Eng. Abstr.) **(Slo)**

[Repeated pulmonary thromboembolism. Correlation between electrocardiographic and hemodynamic findings] Alatriste VM, et al. **Arch Inst Cardiol Mex** 1981 Sep–Oct; 51(5):453–62 (Eng. Abstr.) **(Spa)**

[External fetal electrocardiograms with P wave. Report of 6 cases] Domínguez de Costa C, et al. **Arch Inst Cardiol Mex** 1981 May–Jun;51(3):227–31 (Eng. Abstr.) **(Spa)**

[Electrocardiographic evaluation of the cardiotoxicity of N-methylglucamine antimonate (R glucantime)] García Muller R, et al. **Arch Inst Cardiol Mex** 1982 Mar–Apr; 52(2):155–9 (Eng. Abstr.) **(Spa)**

[Experimental electro-vectorcardiographic study of anterior septal necrosis with extension to the anterior surface of the right ventricle] Medrano GA, et al. **Arch Inst Cardiol Mex** 1981 May–Jun;51(3):207–19 (Eng. Abstr.) **(Spa)**

[Graphics] Jiménez O, et al. **Bol Asoc Med PR** 1981 Jun; 73(6):300–2 **(Spa)**

[Cases of pediatric electrocardiography] Villavicencio R. **Bol Asoc Med PR** 1981 Jul;73(7):351–2 **(Spa)**

[Cases of pediatric electrocardiography. Ventricular bigeminy] Villavicencio R. **Bol Asoc Med PR** 1981 May; 73(5):245–7 **(Spa)**

[Cases of pediatric electrocardiography. Junctional rhythm] Villavicencio R. **Bol Asoc Med PR** 1981 Jun;73(6):293–4 **(Spa)**

[Cases of pediatric electrocardiography. Sinus arrhythmia] Villavicencio R. **Bol Asoc Med PR** 1981 Sep;73(9):431–3 **(Spa)**

[Case of pediatric electrocardiography. Migratory atrial pacemaker] Villavicencio R. **Bol Asoc Med PR** 1981 Nov; 73(11):574–6 **(Spa)**

[Cases of pediatric electrocardiography. Atrial extrasystole] Villavicencio R. **Bol Asoc Med PR** 1981 Oct;73(10):503–5 **(Spa)**

[Cases of pediatric electrocardiography] Villavicencio R. **Bol Asoc Med PR** 1981 Dec;73(12):670–3 **(Spa)**

[Acute myocardial infarction of the right ventricle: hemodynamic and electrocardiographic correlation (author's transl)] Fiol Sala M, et al. **Med Clin (Barc)** 1981 Sep 25;77(5):195–9 (Eng. Abstr.) **(Spa)**

[Electrocardiographic changes in central nervous system diseases (cerebral T wave). Clinical study of 20 cases] Foyé R, et al. **Medicina (B Aires)** 1981;41(4):407–18 (Eng. Abstr.) **(Spa)**

[Auricular dissociation. Unilateral auricular arrest] Peyregne EA, et al. **Medicina (B Aires)** 1981;41(3):354–9 (Eng. Abstr.) **(Spa)**

[A case of atypical ventricular arrythmia: 'torsade de pointes' (author's transl)] de las Mulas Béjar M, et al. **Rev Esp Anestesiol Reanim** 1981 Jul;28(4):254–5 (Eng. Abstr.) **(Spa)**

[Electrocardiographic maps of the chest] Cosín Aguilar J. **Rev Esp Cardiol** 1981;34(6):491–6 (Eng. Abstr.) **(Spa)**

[Natural development of the ST-segment in acute myocardial infarction by precordial 35-lead mapping. Significance for the evalustion of drug effects. Simplification of the method.] Rucabado L, et al. **Rev Esp Cardiol** 1981; 34(6):433–9 (Eng. Abstr.) **(Spa)**

ADVERSE EFFECTS

ECG ink as a cause of asthma. Keskinen H, et al. **Allergy** 1981 May;36(4):275–6

Severe skin damage from EKG electrodes [letter] Chandra P. **Anesthesiology** 1982 Feb;56(2):157–8

Bronchial asthma following exposure to ECG ink. Rodenstein D, et al. **Ann Allergy** 1982 Jun;48(6):351–2

CLASSIFICATION

The electrocardiogram in epidemiologic investigations. A new classification system. Pipberger HV, et al. **Circulation** 1982 Jun;65(7):1456–64

ECONOMICS

Cost-effectiveness analysis of computerized ECG interpretation system in an ambulatory health care organization. Carel RS. **J Med Syst** 1982 Apr;6(2):121–30

HISTORY

Waller before Einthoven in the clinical development of noninvasive ECG [letter] Besterman E. **Am Heart J** 1982 Apr;103(4 Pt 1):572

[History of electrocardiography in Brazil] Leme C de A. **Rev Hosp Clin Fac Med Sao Paulo** 1981 Aug;36(4):179–83 (Eng. Abstr.) **(Por)**

[Zelenin and his role in the development of clinical electrocardiography and functional diagnosis] Kuz'min MK. **Klin Med (Mosk)** 1981 Aug;59(8):115–8 **(Rus)**

INSTRUMENTATION

Frequency response characteristics of ambulatory ECG monitoring systems and their implications for ST segment analysis. Bragg-Remschel DA, et al. **Am Heart J** 1982 Jan; 103(1):20–31

Comparison of CB5 and V5 leads for intraoperative electrocardiographic monitoring. Bazaral MG, et al. **Anesth Analg (Cleve)** 1981 Dec;60(12):849–53

Right atrial catheter placement: use of a wire guide as the intravascular ECG lead. Westheimer DN. **Anesthesiology** 1982 Jun;56(6):478–80

Ambulatory ECG monitoring for diagnosis of angina pectoris. Kimura E. **Ann Acad Med Singapore** 1981 Oct; 10(4 Suppl):59–62

Application of the Cardiotrak pacemaker monitor to prehospital care. Bandy R, et al. **Ann Emerg Med** 1981 Nov;10(11):579–81

Design of a portable powerline-operated ECG recorder — a student-faculty project. Ferris CD. **Biomed Sci Instrum** 1981;17:91–5

Distortions in the ECG caused by instruments for ambulatory electrocardiography Holter monitoring [letter] McCall VR. **Biotelem Patient Monit** 1981;8(4):246–7

The Pathfinder High-Speed E.C.G. Analyser. Use in detection of arrhythmias during oral surgery. Barker GL, et al. **Br J Anaesth** 1981 Oct;53(10):1079–82

Computerized measurement of the first derivative of the QRS complex: theoretical and practical considerations. Goldberger AL, et al. **Comput Biomed Res** 1981 Oct; 14(5):464–71

Factitious atrial tachycardia [letter] Tilelli JA. **Crit Care Med** 1982 Mar;10(3):201

The quality of ambulatory ECG-recordings and accuracy of semi-automatic arrhythmia analysis. An evaluation of the Medilog-Pathfinder system. Bjerregaard P. **Eur Heart J** 1980 Dec;1(6):417–25

Evaluation of arrhythmia detectors. Murray A. **Eur Heart J** 1980 Dec;1(6):425–7

The nuclear cardiac probe. Wagner HN Jr. **Hosp Pract** 1982 Apr;17(4):163–5, 169–77

Adaptive QRS detection based on maximum a posteriori estimation. Börjesson PO, et al. **IEEE Trans Biomed Eng** 1982 May;29(5):341–51

Comments on 'ground-free ECG recording with two electrodes'. Towe BC. **IEEE Trans Biomed Eng** 1981 Dec; 28(12):838–9

Vector disc [letter] Singh MM. **Indian J Physiol Pharmacol** 1981 Jan–Mar;25(1):83–4

Pseudobradycardia during Holter monitoring. The electronic Munchausen syndrome? Mitchell CC, et al. **JAMA** 1982 Jul 23;248(4):469–70

Detection of pacemaker abnormalities by Holter monitoring. Wright MF. **JAOA** 1981 Dec;81(4):255–63

MYO-MAP—a fast recording system for epicardial mapping. Dagan J, et al. **Med Biol Eng Comput** 1981 May; 19(3):297–301

Movement-induced potentials in surface electrodes. Odman S, et al. **Med Biol Eng Comput** 1982 Mar;20(2):159–66

Microprocessor-based signal averager for analysis of the foetal e.c.g. Wickham PJ. **Med Biol Eng Comput** 1982 Mar; 20(2):253–6

Ambulatory ECG recordings: a spectrum of technology. Graboys TB, et al. **Med Instrum** 1981 Jul–Aug;15(4):237–41

A digital timer for on-line interval measurement. Kasell JH, et al. **PACE** 1981 Sep;4(5):497–502

[The AZU computerized ECG system] Meijler FL, et al. **Ned Tijdschr Geneeskd** 1982 May 1;126(18):813–20 (Eng. Abstr.) **(Dut)**

['Sudden death during continuous electrocardiographic recording with the Holter method' (letter)] Cassagneau B. **Arch Mal Coeur** 1982 Jan;75(1):119–20 **(Fre)**

[Present situation of interpreting computerized electrocardiography] Bernard P, et al. **Union Med Can** 1982 Feb;111(2):101–6 (Eng. Abstr.) **(Fre)**

[Is cardiac monitoring required after electrical injuries? (author's transl)] Kirchmair W, et al. **Dtsch Med Wochenschr** 1982 Jun 4;107(22):857–9 (Eng. Abstr.) **(Ger)**

[The significance of the spinal averaging technique in cardiology (author's transl)] Hombach V, et al. **Klin Wochenschr** 1982 Apr 15;60(8):379–91 (Eng. Abstr.) **(Ger)**

[Automatic arrhythmia analysis] Meyer J. **Verh Dtsch Ges Herz Kreislaufforsch** 1981;47:34–44 **(Ger)**

[Supplemental device for the electrocardiograph 6 NEK 4 for the recording of esophageal electrocardiograms] Ismer B, et al. **Z Gesamte Inn Med** 1982 Feb 1;37(3):96–7 (Eng. Abstr.) **(Ger)**

[The performance of ECG telemetry in the analysis of rhythm disorders] Lange R, et al. **Z Gesamte Inn Med** 1982 May 15;37(10):299–303 (Eng. Abstr.) **(Ger)**

[Development and trial of a monitoring vehicle for data collection in work physiology field studies] Ballé W, et al. **Zentralbl Arbeitsmed Arbeitsschutz Prophyl Ergonomie** 1982 Jun;32(6):214–8 (Eng. Abstr.) **(Ger)**

[Possibilities of analyzing disorders of heart rhythm using cassette recording apparatus] Schulz J, et al. **ZFA (Dresden)** 1981;36(3):173–5 **(Ger)**

[Experience with the Holter monitoring in ischemic heart disease] Böszörményi E, et al. **Orv Hetil** 1982 Apr 25; 123(17):1041–5 **(Hun)**

[Holter monitoring in the rehabilitation of ischemic heart disease] Gyökössy J, et al. **Orv Hetil** 1982 Apr 25; 123(17):1047–50 **(Hun)**

[Telemetric study of the atrioventricular conduction system] Rostás L, et al. **Orv Hetil** 1981 Nov 15;122(46):2835–41 **(Hun)**

[Proposed standardization of methods in ambulatory monitoring. I. Choice of leads] Germanò G, et al. **Boll Soc Ital Cardiol** 1980;25(11):1307–13 (Eng. Abstr.) **(Ita)**

[Device for recording electrocardiotopograms] Bugaenko VV. **Fiziol Zh** 1981 Sep–Oct;27(5):713–4 **(Rus)**

[Diagram for the rapid analysis of electrocardiograms in the white rat] Govorunova NN. **Gig Sanit** 1982 Feb;(2):58 **(Rus)**

[Experience in developing and using telemetric computer systems in cardiology] Chepaĭtis ZhV, et al. **Kardiologiia** 1981 Sep;21(9):112–5 (Eng. Abstr.) **(Rus)**

[Testing experience with an automatic ECG analysis system in the cardiology clinic] Korsakas SL, et al. **Kardiologiia** 1981 Sep;21(9):109–12 (Eng. Abstr.) **(Rus)**

[The KMB-01 balneology cardiomonitor] Katonov EL, et al. **Med Tekh** 1982 Mar–Apr;(2):21–4 (Eng. Abstr.) **(Rus)**

[Cardiorhythmograph] Tsvetovskiĭ SB, et al. **Med Tekh** 1981 Nov–Dec;(6):49–52 (Eng. Abstr.) **(Rus)**

[Use of a portable unit for recording hemodynamic indices in cardiovascular diseases] Shchepotin BM, et al. **Vrach Delo** 1982 Jun;(6):72–5 **(Rus)**

METHODS

Computer-assisted interpretation of orthogonal electrocardiograms and vectorcardiograms by the Louvain system. Brohet C, et al. **Acta Cardiol [Suppl] (Brux)** 1981; 26:19–28

Development of a microprocessor-based arrhythmia monitoring system. Demeester M, et al. **Acta Cardiol [Suppl] (Brux)** 1981;26:39–42

Intracardiac electrography in patients with bifascicular bundle branch block. Thomsen PE.

Acta Med Scand [Suppl] 1982;653:1–197

ECG synchronized computed tomography in clinical evaluation of total and regional cardiac motion: comparison of postmyocardial infarction to normal hearts by rapid sequential imaging. Masuda Y, et al. **Am Heart J** 1982 Feb; 103(2):230–8

Electrocardiographic observations in severe aortic valve stenosis: correlative necropsy study to clinical, hemodynamic,, and ECG variables demonstrating relation of 12-lead QRS amplitude to peak systolic transaortic pressure gradient. Siegel RJ, et al. **Am Heart J** 1982 Feb; 103(2):210–21

Prevalence and magnitude of S-T segment and T wave abnormalities in normal men during continuous ambulatory electrocardiography. Armstrong WF, et al. **Am J Cardiol** 1982 May;49(7):1638–42

Mechanisms of regular, wide QRS tachycardia in infants and children. Benson DW Jr, et al. **Am J Cardiol** 1982 May; 49(7):1778–88

Multiformity if induced unifocal ventricular premature beats in human subjects: electrocardiographic and angiographic correlations. Booth DC, et al. **Am J Cardiol** 1982 May; 49(7):1643–53

Prognostic implications of ventricular arrhythmias during 24 hour ambulatory monitoring in patients undergoing cardiac catheterization for coronary artery disease. Califf RM, et al. **Am J Cardiol** 1982 Jul;50(1):23–31

Changes in R wave amplitude during aerobic exercise stress testing in hypertensive adolescents. Falkner B, et al. **Am J Cardiol** 1982 Jul;50(1):152–6

Techniques of intraoperative electrophysiologic mapping. Gallagher JJ, et al. **Am J Cardiol** 1982 Jan;49(1):221–40 (113 ref.)

Intracavitary electrogram in right ventricular infarction [letter] Humphreys GS. **Am J Cardiol** 1981 Oct;48(4):809

Evaluation of a QRS scoring system for estimating myocardial infarct size. II. Correlation with quantitative anatomic findings for anterior infarcts. Ideker RE, et al. **Am J Cardiol** 1982 May;49(7):1604–14

Ventricular activation during ventricular endocardial pacing. II. Role of pace-mapping to localize origin of ventricular tachycardia. Josephson ME, et al. **Am J Cardiol** 1982 Jul; 50(1):11–22

Atrioventricular alternating Wenckebach periodicity: conduction patterns in multilevel block. Littmann L, et al. **Am J Cardiol** 1982 Mar;49(4):855–62

Q-T prolongation and polymorphous ('torsade de pointes') ventricular arrhythmias associated with organophosphorus insecticide poisoning. Ludomirsky A, et al. **Am J Cardiol** 1982 May;49(7):1654–8

Evaluation of normal variations in S-T segment patterns by body surface isopotential mapping: S-T segment elevation in absence of heart disease. Mirvis DM. **Am J Cardiol** 1982 Jul;50(1):122–8

Reentry confined to the atrioventricular node: electrophysiologic and anatomic findings. Sheinman MM, et al. **Am J Cardiol** 1982 May;49(7):1814–8

Posterior fascicular block versus posteroinferior myocardial infarction in left posterior excitation disturbances. Watt TB Jr, et al. **Am J Cardiol** 1982 Mar;49(4):707–15

Ventricular activation during ventricular endocardial pacing: I. Electrocardiographic patterns related to the site of pacing. Waxman HL, et al. **Am J Cardiol** 1982 Jul; 50(1):1–10

Importance of V3R and V4R in patients with acute inferior myocardial infarction for detection of associated right ventricular infarction [letter] Cheng TO. **Am J Med** 1982 Apr;72(4):559

Esophageal lead for intraoperative electrocardiographic monitoring. Kates RA, et al. **Anesth Analg (Cleve)** 1982 Sep;61(9):781–5

Inferior and posterior myocardial infarction [letter] Hopkins CB. **Ann Intern Med** 1982 Apr;96(4):538

Four-contact glove probe method for rapid recording of cardiac electrograms during surgery. Spotnitz HM, et al. **Ann Thorac Surg** 1982 Apr;33(4):403–5

Simultaneous noise filtering and data compression of ECGs. Hsu K, et al. **Biomed Sci Instrum** 1981;17:47–52

Precordial surface mapping of the exercise ECG. Fox K, et al. **Br J Hosp Med** 1982 Mar;27(3):291–2, 295, 297–9

The relationship between frequent and complex ventricular ectopy during 24 h ambulatory electrocardiographic monitoring. Messineo FC, et al. **Cardiology** 1981; 68(2):91–102

Documentation of sporadic d· rhythmia. Bauernfeind RA. **Chest** 1982 Apr;81(4):401–2

Electrocardiogram recording by telephone in antiarrhythmic drug trials. Pritchett EL, et al. **Chest** 1982 Apr;81(4):473–6

Electrocardiogram of the month: endocardial mapping of a para-Hisian PVC. Strasberg B, et al. **Chest** 1982 Feb; 81(2):239–41

Multiple precordial leads QRS mapping and its clinical application: a preliminary report. Wen YM, et al. **Chin Med J [Engl]** 1981 Nov;94(11):755–64

Evolution of QRS and ST-T-wave body surface potential distributions during the first year of life. Benson DW Jr, et al. **Circulation** 1982 Jun;65(6):1247–58

Localization of the site of ventricular preexcitation with body surface maps in patients with Wolff-Parkinson-White syndrome. Benson DW Jr, et al. **Circulation** 1982 Jun; 65(6):1259–68

Independent contribution of electrocardiographic abnormalities to risk of death from coronary heart disease, cardiovascular diseases and all causes. Findings of three Chicago epidemiologic studies. Cedres BL, et al. **Circulation** 1982 Jan;65(1):146–53

Transient qrs changes simulating ami [letter] Chacko KA, et al. **Circulation** 1982 Apr;65(4):836

Intramyocardial conduction: a major determinant of R-wave amplitude during acute myocardial ischemia. David D, et al. **Circulation** 1982 Jan;65(1):161–7

The pathologic correlates of the electrocardiogram: complete left bundle branch block. Havelda CJ, et al. **Circulation** 1982 Mar;65(3):445–51

Changes in ventriculoatrial intervals with bundle branch block aberration during reciprocating tachycardia in patients with accessory atrioventricular pathways. Kerr CR, et al. **Circulation** 1982 Jul;66(1):196–201

Sudden death recorded during Holter monitoring. Laniado S, et al. **Circulation** 1982 Jul;66(1):218–25

Concealed reentry: a mechanism of atrioventricular nodal alternating Wenckebach periodicity. Littmann L, et al. **Circulation** 1982 Jun;65(6):1269–75

Surgery for ventricular tachycardia: efficacy of left ventricular aneurysm resection compared with operation guided by electrical activation mapping. Mason JW, et al. **Circulation** 1982 Jun;65(6):1148–55

The effect of high lung conductivity on electrocardiographic potentials. Results from human subjects undergoing bronchopulmonary lavage. Rudy Y, et al. **Circulation** 1982 Mar;65(3):440–5

Torsade de pointes [letter] Santinelli V, et al. **Circulation** 1982 Jul;66(1):250–1

QRS scoring system for estimating infarct size [letter] Seino Y, et al. **Circulation** 1982 Jul;66(1):251–2

Evaluation of a QRS scoring system for estimating myocardial infarct size. I. Specificity and observer agreement. Wagner GS, et al. **Circulation** 1982 Feb; 65(2):342–7

Evaluation of technician audiovisual scanning of ambulatory electrocardiographic recordings utilizing the rapid oscillographic printout technique of validation. DiBianco R, et al. **Clin Cardiol** 1982 Jan;5(1):39–45

The applicability of the signal averaging technique in clinical cardiology. Hombach V, et al. **Clin Cardiol** 1982 Feb; 5(2):107–24 (92 ref.)

A computerized approach to evaluating rest and exercise-induced ECG/VCG changes after cardiac rehabilitation. Watanabe K, et al. **Clin Cardiol** 1982 Jan; 5(1):27–34

Conventional versus computer-aided interpretation of long-term ECG recordings--aspects of precision and economy. Pahlm O, et al. **Clin Physiol** 1981 Aug; 1(4):427–35

The waveforms' alignment procedure in the averaging process for external recording of the His bundle activity. Abboud S, et al. **Comput Biomed Res** 1982 Jun;15(3):212–9

Peak-to-peak amplitude of the high-frequency QRS: a simple, quantitative index of high-frequency potentials. Goldberger AL, et al. **Comput Biomed Res** 1981 Oct; 14(5):399–406

A program for processing of multiple-lead exercise ECGs in real time. Falk KJ, et al. **Comput Programs Biomed** 1982 Apr;14(2):133–44

The usefulness of multipoles in electrocardiography. Pilkington TC, et al. **Crit Rev Biomed Eng** 1982 Mar; 7(3):175–92

The isopotential plot--a new method for the assessment of ST amplitude changes provoked by an exercise test. Bjurö TI, et al. **Eur Heart J** 1980 Jun;1(3):213–23

Correlative study of simultaneous surface and intracardiac recordings of electrical activity from the specific atrioventricular conduction pathways. Héron F, et al. **Eur Heart J** 1981 Oct;2(5):419–27

Reliability of serial 24 h ambulatory electrocardiography in predicting cardiac death after myocardial infarction. Møller M. **Eur Heart J** 1982 Feb;3(1):67–74

Computer-aided visual analysis of long-term ECG recordings. Pahlm O, et al. **Eur Heart J** 1981 Dec; 2(6):487–98

A comparative study of the effects of documentation on arrhythmia detection efficiency. Breu CS, et al. **Heart Lung** 1981 Nov-Dec;10(6):1058–62

An unusual complication of acute myocardial infarction [letter] Forester D. **Heart Lung** 1981 Sep-Oct;10(5):906

A new data-reduction algorithm for real-time ECG analysis. Abenstein JP, et al. **IEEE Trans Biomed Eng** 1982 Jan; 29(1):43–8

A new technique for the suppression of the MECG. Bergveld P, et al. **IEEE Trans Biomed Eng** 1981 Apr;28(4):348–54

The effects of torso geometry on magnetocardiographic lead fields. Cuffin BN. **IEEE Trans Biomed Eng** 1981 Nov; 28(11):742–9

Fetal electrocardiogram enhancement by time-sequenced adaptive filtering. Ferrara ER, et al. **IEEE Trans Biomed Eng** 1982 Jun;29(6):458–60

Body surface isopotential mapping. Mirvis DM. **Indian Pediatr** 1982 Jan;19(1):63–6

An evaluation of falls, syncope, and dizziness by prolonged ambulatory cardiographic monitoring in a geriatric institutional setting. Gordon M, et al. **J Am Geriatr Soc** 1982 Jan;30(1):6–12

Comparison of methods for obtaining a heart rate variability signal from 60 x real time ECG data. Bason PT, et al. **J Biomed Eng** 1981 Jul;3(3):239–43

A method for compression - reconstruction of ECG signals. Metaxaki-Kossionides C, et al. **J Biomed Eng** 1981 Jul; 3(3):214–6

Sensitivity for Telemed diagnosis of myocardial infarction by use of 12-lead electrocardiogram derived from Frank XYZ leads. Bruce RA, et al. **J Electrocardiol** 1982 Apr; 15(2):157–63

His bundle electrogram recording using a multipolar electrode catheter via the arm veins. Giuffrida G, et al. **J Electrocardiol** 1981;14(2):125–8

Temporal stability of the high frequency QRS waveform in normal subjects. Goldberger AL, et al. **J Electrocardiol** 1981;14(2):153–7

The missing waveform and diagnostic information in the standard 12 lead electrocardiogram. Kornreich F, et al. **J Electrocardiol** 1981 Oct;14(4):341–50

Body surface distributions of repolarization potentials after acute myocardial infarction. III. Dipole ranging in normal subjects and in patients with acute myocardial infarction. Mirvis DM, et al. **J Electrocardiol** 1981 Oct;14(4):387–98

His bundle electrogram recording via the arm veins [letter] Rakovec P. **J Electrocardiol** 1982 Apr;15(2):204

The determination of the human ventricular gradient from body surface potential map data. Sridharan MR, et al. **J Electrocardiol** 1981 Oct;14(4):399–406

Accuracy of localization of acute myocardial infarction by 12 lead electrocardiography. Yasuda T, et al. **J Electrocardiol** 1982 Apr;15(2):181–8

Electrocardiogram of the month. Now you see it; now you don't. Martinez-Lopez JI. **J La State Med Soc** 1981 Feb; 133(2):26–8

Antepartal analysis of fetal heart rate variability by abdominal electrocardiography. Kariniemi V, et al. **J Perinat Med** 1982;10(2):114–8

Clinical application of body surface mapping. Satellite symposium of the 44th annual scientific meeting of the Japanese Circulation Society. March 28, 1980, Nagoya. **Jpn Circ J** 1981 Oct;45(10):1171–220

The processed map of the body surface potential. Harumi K. **Jpn Circ J** 1981 Oct;45(10):1179–81

Identification of the site of origin of ventricular premature beats and its activation sequence by body surface isopotential map. Hayashi H, et al. **Jpn Circ J** 1981 Oct, 45(10):1182–6

Correlation between localization of accessory conduction pathway and body surface maps in the Wolff-Parkinson-White syndrome. Iwa T, et al. **Jpn Circ J** 1981 Oct;45(10):1192–8

Body surface isopotential maps of experimentally induced transient right bundle branch block. Kohbe T, et al. **Jpn Circ J** 1981 Oct;45(10):1147–57

Treadmill stress test using body surface mapping in coronary artery disease--the clinical significance of ST depression. Kubota I, et al. **Jpn Circ J** 1982 Jan;46(1):8–15

Characteristics of body surface mapping in the aged. Matsushita S, et al. **Jpn Circ J** 1981 Oct;45(10):1199–202

Recognition of the epicardial breakthrough on body surface isopotential maps: influence of the inter-electrode distance on the patterns reflecting the epicardial breakthrough. Toyama J, et al. **Jpn Circ J** 1981 Oct;45(10):1172–8

Relation between the infarcted area and the ischemic area of the mapping in myocardial infarction. Toyama S, et al. **Jpn Circ J** 1981 Oct;45(10):1218–20

Exercise stress body surface isopotential map in patients with coronary artery disease: comparison with coronary angiographic and stress myocardial perfusion scintigraphic findings. Wada M, et al. **Jpn Circ J** 1981 Oct;45(10):1203–7

Inverse solution in electrocardiography: determining epicardial from body surface maps by using the finite element method. Yamashita Y. **Jpn Circ J** 1981 Nov; 45(11):1312–22

Quantitative evaluation of treadmill test induced ST-T changes using body surface mapping. Yasui S, et al. **Jpn Circ J** 1981 Oct;45(10):1208–11

Correlation between body surface isopotential maps and left ventriculograms in patients with old anterior myocardial infarction. Ohta T, et al. **Jpn Heart J** 1981 Sep;22(5):747–61

Preliminary results in display and abnormality recognition of Hilbert transformed e.c.g.s. Bolton R, et al. **Med Biol Eng Comput** 1981 May;19(3):377–84

Forward and inverse high-frequency electrocardiography. Kim Y, et al. **Med Biol Eng Comput** 1981 Jan;19(1):11–22

Simple microprocessor-based system for on-line e.c.g. arrhythmia analysis. Morizet-Mahoudeaux P, et al. **Med Biol Eng Comput** 1981 Jul;19(4):497–500

The relationship of subtle differences in fasting blood glucose with subtle differences in the electrocardiogram: a study of the PR interval. McDonagh EW, et al. **Med Hypotheses** 1982 Mar;8(3):261–8

Cardiac phase: amplitude analysis using macro programming. Logan KW, et al. **Med Phys** 1981 Nov-Dec;8(6):897–9

Real-time processing of multiple-lead exercise electrocardiograms. Falk KJ, et al. **Med Prog Technol** 1982; 8(4):159–74

Continuous ambulatory simultaneous EEG/ECG recording [letter] **Neurology (NY)** 1982 Apr;32(4):458

ECG simulators of infarction. Part II: Pathophysiology and differential diagnosis of pseudo-infarction ST-T patterns. Goldberger AL. **PACE** 1982 May;5(3):414–30

Natural history of severe sinus bradycardia discovered by 24 hour Holter monitoring. Lichstein E, et al. **PACE** 1982

Mar;5(2):185–9
Noninvasive recording of the His bundle electrogram: value of supplementary verapamil. McKenna WJ, et al. **PACE** 1981 May;4(3):281–8
Alternans of the ST segment of T wave. A sign of electrical instability in Prinzmetal's angina. Rozanski JJ, et al. **PACE** 1982 May;5(3):359–65
Continuous on-line beat-to-beat analysis of AV conduction time. Waxman MB, et al. **PACE** 1981 May;4(3):262–73
Sinoatrial node electrical activity recording through intracavitary leads. Cotoi S, et al. **Physiologie** 1981; 18(3):209–12
Fusion beat demonstrated by suction electrode technique in man. Cotoi S, et al. **Physiologie** 1981 Oct–Dec;18(4):261–4
Observations with endocardial electrography on ventricular tachycardia by intracoronary saline in dogs. Abe S. **Tohoku J Exp Med** 1982 Mar;136(3):323–35
[Potentials and limits of intracardiac electrocardiography] Belov Iu, et al. **Vutr Boles** 1981;20(5):7–11 (0 ref.) **(Bul)**
[Comparative studies with 4 orthogonal electrocardiographic systems of left ventricular hypertrophy patients] Popiliev I. **Vutr Boles** 1981;20(6):92–7 (Eng. Abstr.) **(Bul)**
[Assessment of sinus node function using electrophysiological methods] Tsenov I, et al. **Vutr Boles** 1981;20(4):73–84 (Eng. Abstr.) **(Bul)**
[Monitoring heart rhythm disorders in advanced obstructive bronchitis using the Memoport system. I. Methods of examination, incidence and characteristics of rhythm disorders] Dolenský J, et al. **Vnitr Lek** 1981 Aug; 27(8):773–8 (Eng. Abstr.) **(Cze)**
[Ambulatory ECG recording Technics, methods and indications] Fillette F, et al. **Ann Med Interne (Paris)** 1981; 132(4):267–83 (69 ref.) **(Fre)**
[Value of the automated analysis of the electrocardiogram by the Telemed program (V version)] Bernard P, et al. **Arch Mal Coeur** 1981 Oct;74(10):1155–62 (Eng. Abstr.) **(Fre)**
[A method of global evaluation of a program for automatic ECG analysis. The Demeester–Saget program] Dragodanne C, et al. **Arch Mal Coeur** 1981 Jul;74(7):771–80 (Eng. Abstr.) **(Fre)**
[Indirect evaluation of intrasinusal displacements of the dominant pacemaker in the open-chest dog] Le Heuzey JY, et al. **Arch Mal Coeur** 1982 Feb;75(2):127–35 (Eng. Abstr.) **(Fre)**
[Continuous ambulatory electrocardiographic recording (Holter method) in coronary pathology] Quiret JC, et al. **Arch Mal Coeur** 1982 Apr;75(4):417–27 (Eng. Abstr.) **(Fre)**
[Electrocardiography in endomyocardial fibrosis] Soria R, et al. **Arch Mal Coeur** 1982 Jan;75(1):65–72 (Eng. Abstr.) **(Fre)**
[Detection of rhythm and conduction disorders by long-term electrocardiographic recording. Holter technic] Leclercq JF, et al. **Nouv Presse Med** 1982 Jan 9;11(1):17–9 **(Fre)**
[Sinus node disease – diagnosis and treatment] Medvedowsky JL, et al. **Schweiz Med Wochenschr** 1981 Nov 7; 111(45):1671–8 (Eng. Abstr.) **(Fre)**
[Computer assisted long-term ECG analysis: method and clinical importance (author's transl)] Weber H, et al. **Acta Med Austriaca** 1982;9(2):78–83 (Eng. Abstr.) **(Ger)**
[Left precordial ECG lead (V5) in patients with coronary artery disease (author's transl)] Lindner KH. **Anaesthesist** 1982 Mar;31(3):129–34 (Eng. Abstr.) **(Ger)**
[Demonstration of complex ventricular tachy-arrhythmias by long-term ECG monitoring: relationship to duration of monitoring] Andresen D, et al. **Dtsch Med Wochenschr** 1982 Apr 16;107(15):571–4 (Eng. Abstr.) **(Ger)**
[Electrocardiographic and electrophysiologic studies after the senning procedure in patients with complete transposition of the great arteries (author's transl)] Henglein D, et al. **Herz** 1981 Dec;6(6):356–63 (Eng. Abstr.) **(Ger)**
[Principles of ergometry. Part I. Physiologic basis and methodology] Niederberger M. **Herz** 1982 Feb;7(1):1–19 (Eng. Abstr.) **(Ger)**
[Apical left ventricular hypertrophy: a form of hypertrophic, non-obstructive cardiomyopathy with giant negative T waves (author's transl)] Sheikhzadeh A, et al. **Herz** 1981 Dec;6(6):369–76 (Eng. Abstr.) **(Ger)**
[ECG diagnosis in myocardial infarct] Lehmann HU. **Med Klin** 1981 Aug 28;76(18):498–503 **(Ger)**
[Practical sports medicine. Part 3. Physiological variants in the ECG of athletes. 1. Rate changes] Rost R, et al. **MMW** 1981 Sep 18;123(38):60–3 **(Ger)**
[Recommendations on the interpretation and evaluation of juvenile electrocardiograms. Short programmed course. 17. On various practical aspects of the interpretation of juvenile unipolar chest-wall leads] Mücke D, et al. **Z Arztl Fortbild (Jena)** 1981 Apr 1;75(7):332–9 **(Ger)**
[Recommendations on the interpretation and evaluation of electrocardiograms of adolescents and adults--short programmed course. 4. Partial program II: Morphology, time and amplitude parameters (1)] Mücke D, et al. **Z Arztl Fortbild (Jena)** 1982 Apr 1;76(7):291–8 **(Ger)**
[Suspicion in rupture of the uterus even by external routine cardiotokogram? (author's transl)] Bernaschek G. **Z Geburtshilfe Perinatol** 1981 Oct;185(5):296–7 (Eng. Abstr.) **(Ger)**
[The usefulness of mechanocardiography in the mass screening of workers] Maintz G, et al. **Z Gesamte Hyg** 1981 Oct;27(10):742–4 (Eng. Abstr.) **(Ger)**
[A new method of recording spike potentials of the atria from the body surface] Rugienius J, et al. **Z Gesamte Inn Med** 1981 Jul 15;36(14):480–5 (Eng. Abstr.) **(Ger)**
[Measurement of systolic time intervals by echocardiographic and conventional methods (author's transl)] Griebenow R, et al. **Z Kardiol** 1981 Sep;70(9):687–92 (Eng. Abstr.) **(Ger)**
[Prognostic significance of complex ventricular ectopy in 24-hour ambulatory electrocardiographic monitoring (author's transl)] Spielberg C, et al. **Z Kardiol** 1982 Apr; 71(4):271–7 (Eng. Abstr.) **(Ger)**
[An electrocardiographic study of cardiac damage following post-operative radiation in patients with mammary carcinoma on the left (author's transl)] Wehr M, et al. **Z Kardiol** 1982 Jan;71(2):112–8 (Eng. Abstr.) **(Ger)**
[Electrophysiological findings and follow-up in patients with syncope (author's transl)] Yeh HL, et al. **Z Kardiol** 1982 Apr;71(4):263–70 (Eng. Abstr.) **(Ger)**
[ECG--review and quiz (3)] Doenecke P. **ZFA (Stuttgart)** 1982 Jan 31;58(3):150–2 **(Ger)**
[ECG--survey and quiz (5)] Doenecke P. **ZFA (Stuttgart)** 1982 Feb 20;58(5):271–3 **(Ger)**
[Detection with the Holter method of asymptomatic arrhythmias and silent ischemias in myocardial infarct patients transferred from the coronary unit] Abrate M, et al. **Boll Soc Ital Cardiol** 1980;25(8):883–6 **(Ita)**
[The dynamic electrocardiogram in the rehabilitation of ischemic cardiopathic patients] Maisano G, et al. **Boll Soc Ital Cardiol** 1980;25(8):887–90 **(Ita)**
[Vectorcardiogram and electrocardiogram processing service dedicated to clinical research] Manzoni P, et al. **G Ital Cardiol** 1981;11(12):2170–84 **(Ita)**
[Dynamic ECG, exercise stress testing and coronary arteriography for the diagnosis of ischaemic heart disease. A Bayesian analysis of probability (author's transl)] Vassanelli C, et al. **G Ital Cardiol** 1981;11(12):1935–43 (Eng. Abstr.) **(Ita)**
[Recognition of the epicardial breakthrough by body surface isopotential maps (author's transl)] Tabata O, et al. **Iyodenshi To Seitai Kogaku** 1981 Apr;19(2):100–5 (Eng. Abstr.) **(Jpn)**
[Noninvasive recording of His-bundle potential (author's transl)] Kurimoto T, et al. **Kokyu To Junkan** 1982 Feb; 30(2):203–11 (Eng. Abstr.) **(Jpn)**
[Study on the assessment of antiarrhythmic drug efficacy by Holter electrocardiography (author's transl)] Suzuki Y, et al. **Nippon Naika Gakkai Zasshi** 1982 Apr 10;71(4):421–30 **(Jpn)**
[Role of cardiotachography in the diagnosis of the severity of chronic fetal anoxia during pregnancy] Got'e ES, et al. **Akush Ginekol (Mosk)** 1982 Jan;(1):9–12 (Eng. Abstr.) **(Rus)**
[Prognostic importance of electrocardiotopogram indices in macrofocal myocardial infarct] Gritsiuk AI, et al. **Kardiologiia** 1982 Jan;22(1):22–5 (Eng. Abstr.) **(Rus)**
[Diagnostic value of quantitative ECG indices in ischemic heart disease] Isakhanian GS. **Kardiologiia** 1982 Jan; 22(1):102–3 **(Rus)**
[Diagnosis of an infarct of the interventricular septum by integral cardiotopography] Mirrakhimov MM, et al. **Kardiologiia** 1981 Sep;21(9):52–7 (Eng. Abstr.) **(Rus)**
[P-terminal index based on the additionally amplified ECG in healthy persons and ischemic heart disease patients] Pranevichius AA. **Kardiologiia** 1981 Sep;21(9):44–8 (Eng. Abstr.) **(Rus)**
[Significance of a differentially amplified ECG in the diagnosis of paroxysmal tachycardias] Rugenius IuIu, et al. **Kardiologiia** 1981 Sep;21(9):32–7 (Eng. Abstr.) **(Rus)**
[Dynamics of a necrotic focus development based on data from determining the activity of the MB CPK fraction and from precardiac mapping] Vinogradov AV, et al. **Kardiologiia** 1981 Dec;21(12):38–42 (Eng. Abstr.) **(Rus)**
[Precardiac mapping method in assessing the severity of acute myocardial infarct] Vinogradov AV, et al. **Kardiologiia** 1981 Dec;21(12):38–42 (Eng. Abstr.) **(Rus)**
[Tele-electrocardiography in myocardial infarct] Virs EA, et al. **Klin Med (Mosk)** 1981 Jun;59(6):48–50 **(Rus)**
[Relationship between the standard 12-lead electrocardiogram and the ortogonal electrocardiogram in the Frank lead system (author's transl)] Trong LN, et al. **Bratisl Lek Listy** 1981 Apr;75(4):409–18 (Eng. Abstr.) **(Slo)**
[Esophageal electrocardiography and myocardial infarct of the strictly posterior surface] Almazán Ceballos A, et al. **Rev Esp Cardiol** 1981;34(2):147–53 (Eng. Abstr.) **(Spa)**
[Use of precordial cartography (mapping) in the diagnosis of ventricular akinesis and dyskinesias] Roig E, et al. **Rev Esp Cardiol** 1981;34(6):479–82 (Eng. Abstr.) **(Spa)**

STANDARDS

Electrocardiographic classification and abbreviated lead system for population-based studies of Chagas' disease. Maguire JH, et al. **Bull Pan Am Health Organ** 1982; 16(1):47–58
Electrocardiographic artifacts caused by defective marker circuitry [letter] James WC. **JAMA** 1982 Mar 19; 247(11):1564–5
The modern monitor-defibrillator. A potential source of falsely abnormal ECG recordings. Stein RA, et al. **JAMA** 1981 Oct 9;246(15):1697–8
[Telemetric transmission of fetal cardiac rhythm in monitoring high risk pregnancies (author's transl)] Crépin G, et al. **J Gynecol Obstet Biol Reprod (Paris)** 1981; 10(8):797–806 (Eng. Abstr.) **(Fre)**
[Stress-ECG after myocardial infarct. Does myocardial infarct reduce the significance of stress ECG in the diagnosis of severe stenosis of the anterior interventricular ramus, the diagonal ramus and the marginal ramus of the coronary artery] Kreul HG, et al. **Fortschr Med** 1981 Sep 3;99(33):1307–11 (Eng. Abstr.) **(Ger)**
[Principles of ergometry. – Part II: criteria for assessment of the exercise test. Criteria for interpretation (author's transl)] Niederberger M. **Herz** 1982 Feb;7(1):20–8 (114 ref.) (Eng. Abstr.) **(Ger)**
[Simulator of the R-wave sequence in an electrocardiac signal based on a standard generator] Agizim GM, et al. **Med Tekh** 1982 Mar–Apr;(2):53–5 (Eng. Abstr.) **(Rus)**

UTILIZATION

ECG recorder distribution and hospital utilization. Haslam KR. **Med Instrum** 1982 Mar–Apr;16(2):111–3

VETERINARY

Electrocardiographic values for anesthetized cats in lateral and sternal recumbencies. Calvert CA, et al. **Am J Vet Res** 1981 Aug;42(8):1453–5
Heart rate- and ECG-recording in the rat by biotelemetry. Schlatter J, et al. **Arch Toxicol [Suppl]** 1982;5:179–83
Effect of xylazine on the electrocardiogram of the sheep. Freire AC, et al. **Br Vet J** 1981 Nov;137(6):590–5
The equine electrocardiogram with standardized body and limb positions. Fregin GF. **Cornell Vet** 1982 Jul; 72(3):304–24
ECG of the month. Congestive cardiomyopathy in a dog. Jacobs G. **J Am Vet Med Assoc** 1982 Apr 15;180(8):860–1
Electrocardiographic findings in 45 cats with hyperthyroidism. Peterson ME, et al. **J Am Vet Med Assoc** 1982 Apr 15;180(8):934–7
ECG of the month: an 11-year-old quarter horse following a maxillary laceration. Raffe MR, et al. **J Am Vet Med Assoc** 1981 Apr 15;178(8):803–4
ECG of the month: a 17-year-old mare with placenta retention. Scarratt K, et al. **J Am Vet Med Assoc** 1981 Jun 15;178(12):1258–9
Establishment of normal electrocardiographic values for a colony of rhesus monkeys (Macaca mulatta) under sedated and unsedated conditions. Kupper JL, et al. **J Med Primatol** 1981;10(6):329–35
[ECG in normal rats (author's transl)] Li ZX. **Chung Hua Hsin Hsueh Kuan Ping Tsa Chih** 1980 Jun; 8(2):148–50 **(Chi)**
[ECG similarities in the parents and offspring of thoroughbred horses] Hanák J, et al. **Vet Med (Praha)** 1982 Feb;27(2):87–93 (Eng. Abstr.) **(Cze)**
[Computerized study of vectorial loops and parameters in the ECG of the dog] Grauerholz H. **Berl Munch Tierarztl Wochenschr** 1982 Jun 15;95(12):221–7 (Eng. Abstr.) **(Ger)**
[Changes in the configuration of the QRS complex in ECG of racehorses during their 1st year of training] Fister D, et al. **Zentralbl Veterinarmed [A]** 1981;28(2):102–12 (Eng. Abstr.) **(Ger)**
[A study on heart weight and electrocardiogram of germfree, ex-germfree and conventional ICR mice (author's transl)] Shinoda M, et al. **Jikken Dobutsu** 1981 Oct;30(4):481–5 (Eng. Abstr.) **(Jpn)**

ELECTROCHEMISTRY

INSTRUMENTATION

Electrochemical study of electrode behaviour during bioelectric impedance measurements. Georges B, et al. **Acta Orthop Scand [Suppl]** 1982;196:9–14
Analysis of phosphate in serum with the phosphate redox electrode system. Montalvo JG Jr, et al. **Clin Chem** 1982 Apr;28(4 Pt 1):655–8
A combined transcutaneous PO2-PCO2 electrode with electrochemical HCO3- stabilization. Severinghaus JW. **J Appl Physiol** 1981 Oct;51(4):1027–32
Realization of a new multifiber electrochemical device allowing continuous in vivo measurements of neuromediators. Forni C. **J Neurosci Methods** 1982 Jan; 5(1–2):167–71
Acetaminophen as an internal standard for calibrating in vivo electrochemical electrodes. Morgan ME, et al. **J Pharmacol Exp Ther** 1981 Oct;219(1):49–53
Use of a single compartment LCEC cell in the determinations of biogenic amine content and turnover. Co C, et al. **Pharmacol Biochem Behav** 1982 Apr;16(4):641–6
[Electrochemical oxygen analyzer with automatic temperature compensation] Lysak VA, et al. **Med Tekh** 1982 Jan–Feb;(1):16–9 (Eng. Abstr.) **(Rus)**

METHODS

Differential pulse voltammetry in the anaesthetized rat: identification of ascorbic acid, catechol and indoleamine oxidation peaks in the striatum and frontal cortex. Brazell MP, et al. **Br J Pharmacol** 1982 Mar;75(3):539–47

ELECTROCOAGULATION

The doubtful value of transitory contraception after laparoscopic electrocoagulation of the fallopian tubes. Kjer JJ, et al. **Acta Obstet Gynecol Scand** 1981;60(4):403–5

Corneal sensation after thermocoagulation of the trigeminal ganglion [letter] Lewis RA, et al. **Am J Ophthalmol** 1981 Sep;92(3):440–1

Five year survival in patients with carcinoma of the rectum treated by electrocoagulation. Eisenstat TE, et al. **Am J Surg** 1982 Jan;143(1):127–32

Cryotherapy versus electrocautery in the treatment of genital warts. Simmons PD, et al. **Br J Vener Dis** 1981 Aug; 57(4):273–4

Electrocoagulation of rectal cancer. Hughes EP Jr, et al. **Dis Colon Rectum** 1982 Apr;25(3):215–8

Comparison of endoscopic electrocoagulation and laser photocoagulation of bleeding canine gastric ulcers. Johnston JH, et al. **Gastroenterology** 1982 May;82(5 Pt 1):904–10

Treatment of bleeding canine duodenal and esophageal ulcers with argon laser and bipolar electrocoagulation. Machicado GA, et al. **Gastroenterology** 1981 Nov;81(5):859–65

Successful endoscopic electrocoagulation of gastric lesions of hereditary hemorrhagic telangiectasia responsible for repeated hemorrhage. Weaver GA, et al. **Gastrointest Endosc** 1981 Aug;27(3):181–3

The conservative treatment of ameloblastoma, using diathermy or cryosurgery. A 29-year review. Holland PS, et al. **Int J Oral Surg** 1981;10(Suppl 1):32–6

Transthoracic electrocoagulation (T.T.E.C.)—a new and simple approach to upper limb sympathectomy. Malone PS, et al. **Ir Med J** 1982 Jan;75(1):20–1

Radiofrequency neurolysis in a clinical model [letter] Broggi G, et al. **J Neurosurg** 1982 May;56(5):738

The antigenicity of electrocauterized allogeneic tumor cells in mice. Devereux DF, et al. **J Surg Res** 1982 Jul; 33(1):17–22

'How I do it'–head and neck and plastic surgery. A targeted problem and its solution. Innovative surgical procedure for adenoidectomy. Sherman G. **Laryngoscope** 1982 Jun;92(6 Pt 1):700–1

Partial splenectomy with CO2 laser: an experimental study. Snider WR, et al. **Lasers Surg Med** 1981;1(4):357–60

Preliminary report of Los Alamos Keratoplasty Techniques. Rowsey JJ, et al. **Ophthalmology (Rochester)** 1981 Aug; 88(8):755–60

Ureterocele in adults. A follow-up study of 28 adult patients treated with transurethral diathermy incision. Abrahamsson LO, et al. **Scand J Urol Nephrol** 1981;15(3):239–42

Electrocautery circumcision. Belman AB. **Urology** 1981 Nov; 18(5):506–7

[Cryosurgery and thermocoagulation of benign lesions of the uterine cervix (author's transl)] Laitl J. **Cesk Gynekol** 1982 Jun;47(5):340–9 **(Cze)**

[Is wound healing modified by the use of diathermy incision (author's transl)] Arnaud JP, et al. **Acta Chir Belg** 1981 Jul–Aug;80(4):171–5 (Eng. Abstr.) **(Fre)**

[Electrocoagulation in the treatment of rectal cancer (author's transl)] Delarue D, et al. **Ann Chir** 1981 Dec; 35(10):870–2 (Eng. Abstr.) **(Fre)**

[Colonic explosion during an endoscopic electrocoagulation after preparation with mannitol [letter] Raillat A, et al. **Gastroenterol Clin Biol** 1982 Mar;6(3):301–2 **(Fre)**

[Condylomata acuminata gigantea in pregnancy—treatment of a clinical case] Jeske D. **Z Arztl Fortbild (Jena)** 1982 Mar 15;76(6):249–50 **(Ger)**

[Controlled thermorhizotomy using the Sweet method in essential trigeminal neuralgia] Camici S, et al. **Arch E Maragliano Patol Clin** 1979;35(2):141–4 **(Ita)**

[The current role of colpocytology, colposcopy and diathermocoagulation in lesions of the uterine cervix] Mutti P, et al. **Minerva Ginecol** 1981 Nov;33(11):1033–44 (69 ref.) (Eng. Abstr.) **(Ita)**

[Clinical and histopathological studies on the treatment of cervical erosion and cervical intraepithelial neoplasia by the electrocauterization method (author's transl)] Harada K. **Nippon Gan Chiryo Gakkai Shi** 1981 Dec 20; 16(7):1445–55 (Eng. Abstr.) **(Jpn)**

[Efficacy of prophylactic diathermic coagulation of the sclera in diascleral removal of intraocular foreign bodies] Manoilova IK, et al. **Vestn Oftalmol** 1981 Jul–Aug; (4):59–62 (Eng. Abstr.) **(Rus)**

[Trial of an anabolic-antibiotic combination in benign cervicopathies] Escudero P, et al. **Rev Chil Obstet Ginecol** 1981;46(2):71–5 (Eng. Abstr.) **(Spa)**

[Anesthetic management in dorsal rhizotomy by selective cryotherapy and percutaneous thermocoagulation] Horno González R, et al. **Rev Esp Anestesiol Reanim** 1981 Nov; 28(6):326–8 (Eng. Abstr.) **(Spa)**

ADVERSE EFFECTS

Endosalpingosis ('endosaipingoblastosis') following laparoscopic tubal coagulation as an etiologic factor of ectopic pregnancy. McCausland A. **Am J Obstet Gynecol** 1982 May 1;143(1):12–24

Bladder perforation owing to a unipolar coagulating device. Pakter J, et al. **Am J Obstet Gynecol** 1981 Sep 15;141(2):227

Experimental gastric ulcer produced by electrocoagulation. Mann NS, et al. **Am J Proctol Gastroenterol Colon Rectal Surg** 1982 Mar; 33(3):14–7, 20

Bipolar bimanual diathermy [letter] Charles S. **Arch Ophthalmol** 1981 Oct;99(10):1868

Influence of oral mannitol bowel preparation on colonic microflora and the risk of explosion during endoscopic diathermy. Keighley MR, et al. **Br J Surg** 1981 Aug; 68(8):554–6

Deaths following female sterilization with unipolar electrocoagulating devices. Centers for Disease Control H.E.W., Public Health Service, Atlanta, GA. **Conn Med** 1982 Jan;46(1):31–2

There is no place in gynecological endoscopy for unipolar of bipolar high-frequency current. Riedel HH, et al. **Endoscopy** 1982 Mar;14(2):51–4

Inadvertent injuries during gynecologic endoscopy [letter] Grunert GM. **Fertil Steril** 1982 Feb;37(2):284–5

Menstrual pattern changes following laparoscopic sterilization: a comparative study of electrocoagulation and the tubal ring in 1,025 cases. Bhiwandiwala PP, et al. **J Reprod Med** 1982 May;27(5):249–55

Urethral strictures following transurethral resection of posterior urethral valves. Crooks KK. **J Urol** 1982 Jun; 127(6):1153–4

Mutagenicity of smoke condensates induced by CO2-laser irradiation and electrocauterization. Tomita Y, et al. **Mutat Res** 1981 Jun;89(2):145–9

Blood pressure response during percutaneous rhizotomy for trigeminal neuralgia. Kehler CH, et al. **Neurosurgery** 1982 Feb;10(2):200–2

A comparative study on application of Nd-YAG laser radiation and electrocautery in canine gastric mucosa--magnified observations by dissecting microscopy and scanning electron microscopy, and histological examinations. Suzuki S, et al. **Tokai J Exp Clin Med** 1982 Jan;7(1):111–26

Caution advised on electrocautery circumcisions [letter] Pearlman CK. **Urology** 1982 Apr;19(4):453

Electrocautery circumcision [letter] Perlstein GB. **Urology** 1982 Jul;20(1):110

Electrocautery circumcision [letter] Sharpe JR, et al. **Urology** 1982 Feb;19(2):228

[Trigeminal trophic syndrome; clinical case] Coeckelenbergh A. **Acta Otorhinolaryngol Belg** 1981;35(2):213–4 **(Fre)**

[A case of cardiac arrest caused by electrocautery during surgical pacemaker implanting (author's transl)] Omote T, et al. **Masui** 1981 Oct;30(10):1126–9 (Eng. Abstr.) **(Jpn)**

[Hemorrhage after endoscopic polypectomy] Vasil'ev VS, et al. **Klin Med (Mosk)** 1981 Oct;59(10):80–4 (Eng. Abstr.) **(Rus)**

INSTRUMENTATION

Evaluation of the anode and cathode for transcatheter electrocoagulation. Hirschfeld B, et al. **Acta Radiol [Diagn] (Stockh)** 1981;22(2):133–9

Lesions made in the rabbit brain to assist the design and use of electrodes for amygdalotomy in man. Levi FP, et al. **Appl Neurophysiol** 1981;44(5–6):338–44

A stereotactic frame for trigeminal ganglionectomy. Waltregny AJ. **Appl Neurophysiol** 1982;45(4–5):516–7

Diathermy and cautery equipment. Jourdan M. **Br J Hosp Med** 1981 Jul;26(1):89–92

Endoscopic bipolar electrocoagulation: development of a new bipolar coagulator for stopping gastrointestinal bleeding. Yamamoto H, et al. **Gastroenterol Jpn** 1982 Apr; 17(2):75–9

Surgical diathermy – a review. Taunton JC. **J Med Eng Technol** 1981 Jul;5(4):175–83 (31 ref.)

Suction coagulation forceps for augmentation mammaplasty. Tegtmeier RE. **Plast Reconstr Surg** 1981 Dec;68(6):955–6

Visual urethrotomy in management of male urethral duplication. Goldstein HR, et al. **Urology** 1981 Oct; 18(4):374–6

[Endoscopic electrocoagulation of gastroduodenal hemorrhage. Experience with a suction electrode] Kempelen I, et al. **Orv Hetil** 1981 Dec 27;122(52):3211–4 **(Hun)**

METHODS

Percutaneous stereotactic thermocoagulation for trigeminal neuralgia. Choi CR, et al. **Appl Neurophysiol** 1982; 45(4–5):512–5

Observation of radiofrequency trigeminal gangliolysis by stereotactic method. Modesti LM, et al. **Appl Neurophysiol** 1982;45(4–5):518–9

Technique and results of 800 percutaneous radiofrequency thermocoagulations for trigeminal neuralgia. Nugent GR. **Appl Neurophysiol** 1982;45(4–5):504–7

Cortical-evoked responses before and after percutaneous thermocoagulation of the Gasserian ganglion. Preliminary report. Salar G, et al. **Appl Neurophysiol** 1981; 44(5–6):355–62

Indication of Gasserian ganglion coagulation for trigeminal neuralgia. Yamada S, et al. **Appl Neurophysiol** 1982; 45(4–5):508–11

Power and time factors in electrocautery and diathermy. Paver K, et al. **Cutis** 1982 May;29(5):497–8

Endoscopic control of post-adenomectomy bleedings. Kisbenedek L, et al. **Eur Urol** 1982;8(3):161–2

Comparison of argon laser photocoagulation and bipolar electrocoagulation for endoscopic hemostasis in the canine colon. Jensen DM, et al. **Gastroenterology** 1982 Oct; 83(4):830–5

Effect of increasing current and decreasing blood flow for transcatheter electrocoagulation (TCEC). Ralston MD, et al. **Invest Radiol** 1982 Mar-Apr;17(2):171–7

An initial comparison of coagulation techniques of sterilization. Riedel HH, et al. **J Reprod Med** 1982 May; 27(5):261–7

'How I do it' — head and neck. A targeted problem and its solution. Electrocoagulation of the vidian nerve via the nasal passage. Portmann M, et al. **Laryngoscope** 1982 Apr; 92(4):453–5

Physical methods of dermatologic surgery. Sulica VI. **Med Times** 1981 Sep;109(9):82–5, 89–90

Application of a microwave tissue coagulator to hepatic surgery the hemostatic effects on spontaneous rupture of hepatoma and tumor necrosis. Tabuse K, et al. **Nippon Geka Hokan** 1981 Jul 1;50(4):571–9

Electrothrombosis as a treatment of cirsoid angioma in the face and scalp and varicosis of the leg. Ogawa Y, et al. **Plast Reconstr Surg** 1982 Sep;70(3):310–8

Endovascular diathermic vessel occlusion. Cragg AH, et al. **Radiology** 1982 Jul;144(2):303–8

Uterine cornual cauterization as a sterilization method. Ishikawa M, et al. **Reproduccion** 1981 Jul–Sep;5(3):157–62

Linear cauterization for the treatment of rectal prolapse in infants and children. Hight DW, et al. **Surg Gynecol Obstet** 1982 Mar;154(3):400–2

Endoscopical polypectomy using high frequency current: double-snare method of polypectomy for prevention of incidental bleeding and perforation. Asaki S. **Tohoku J Exp Med** 1982 Feb;136(2):215–8

[Resection of polyps through fibrocolonoscope with high frequency electric coagulation—experience with 81 cases (author's transl)] Zhou DY. **Chung Hua Nei Ko Tsa Chih** 1981 Feb;20(2):67–70 **(Chi)**

[Endodiathermy of retinal tears and holes] Ruellan YM, et al. **Bull Soc Ophtalmol Fr** 1981 Dec;81(12):1141–4 **(Fre)**

[Superficial and deep myogalvanocauterization: a selective complementary surgical technique in esotropia due to the blocking syndrome (author's transl)] Vukov B. **J Fr Ophtalmol** 1981;4(4):293–6 (Eng. Abstr.) **(Fre)**

[Pretreatment of carcinoma in situ and microcarcinoma of the cervix by conization and endocoagulation (author's transl)] Dietl J, et al. **Geburtshilfe Fraunheilkd** 1982 Jun; 42(6):472–5 (Eng. Abstr.) **(Ger)**

[Wound healing of liver and kidney after repeated thermocoagulation (author's transl)] Helpap B. **Langenbecks Arch Chir** 1981;354(4):255–63 (Eng. Abstr.) **(Ger)**

[Elimination of pain by percutaneous thermorhizolysis in patients with inoperable bronchial carcinoma (author's transl)] John F, et al. **Wien Med Wochenschr** 1981 Sep 15; 131(17):427–30 (Eng. Abstr.) **(Ger)**

[Thoughts on the radical intervention of transurethral electroresection in bladder cancer] Matz M. **Z Urol Nephrol** 1982 Apr;75(4):259–64 (Eng. Abstr.) **(Ger)**

[Results of glaucoma treatment by tautomy (author's transl)] Gluza J, et al. **Klin Oczna** 1981 Jun;83(6):301–2 (Eng. Abstr.) **(Pol)**

[Treatment of hemangiomas with deep electrocoagulation] Generalov AI, et al. **Sov Med** 1982;(5):108–10 **(Rus)**

TRENDS

Recent advances in surgical diathermy. Mitchell JP. **JPMA** 1981 Jul;31(7):136–7

ELECTROCONVULSIVE THERAPY

see related
ELECTRONARCOSIS

Factors influencing prolactin release induced by electroconvulsive therapy. Balldin J. **Acta Psychiatr Scand** 1982 May;65(5):365–9

Electroconvulsive therapy: a comparison of seizure duration as monitored with electroencephalograph and electromyograph. Sørensen P, et al. **Acta Psychiatr Scand** 1981 Sep;64(3):193–8

Behavioral and neurochemical effects of electroconvulsive shock in the withdrawal syndrome of morphine dependent rats. Ng LK, et al. **Acupunct Electrother Res** 1981; 6(1):33–46

A case of acute fulminating ulcerative colitis: a complete cure and its urgent implications. Eisenhammer S. **Am J Proctol Gastroenterol Colon Rectal Surg** 1982 Jun; 33(6):10–1, 24

ECT use for a patient with malignant hyperthermia. Franks RD, et al. **Am J Psychiatry** 1982 Aug;139(8):1065–6

ECT and diabetes mellitus [letter] Jenike MA. **Am J Psychiatry** 1982 Jan;139(1):136

Cardiac effects of electroconvulsive therapy [letter] O'Leary J. **Anaesth Intensive Care** 1981 Nov;9(4):400–1

Atropine in electroconvulsive therapy [letter] Verheecke G, et al. **Anaesth Intensive Care** 1982 May;10(2):166

Electroconvulsive therapy: an effective treatment. Ahern L. **AORN J** 1981 Sep;34(3):463–70

Receptors and the mechanism of action of ECT. Lerer B, et al. **Biol Psychiatry** 1982 Apr;17(4):497–511

Changes in neuropsychological test performance after electroconvulsive therapy. Malloy FW, et al. **Biol Psychiatry** 1982 Jan;17(1):61–7

Effect of ECT on the neuroendocrine response to

apomorphine in severely depressed patients. Christie JE, et al. **Br J Psychiatry** 1982 Mar;140:268–73
Lithium continuation therapy following electroconvulsive therapy. Coppen A, et al. **Br J Psychiatry** 1981 Oct; 139:284–7
Benzodiazepines and effectiveness of ECT [letter] D'Elia G. **Br J Psychiatry** 1982 Mar;140:322–3
Trilingualism [letter] Kalinowsky LB. **Br J Psychiatry** 1982 Apr;140:435
The present status of electroconvulsive therapy. Kendell RE. **Br J Psychiatry** 1981 Oct;139:265–83 (85 ref.)
Placebo–controlled studies of ECT [letter] Mendelson G. **Br J Psychiatry** 1982 Mar;140:322
Electroconvulsive treatment in Great Britain. Pippard J, et al. **Br J Psychiatry** 1981 Dec;139:563–8
Electroconvulsive therapy in a rural teaching general hospital in India. Shukla GD. **Br J Psychiatry** 1981 Dec;139:569–71
Electroconvulsive therapy [letter] Wyant GM. **Can Anaesth Soc J** 1981 Sep;28(5):491
Electroconvulsive therapy in patients on anticoagulants. Alexopoulos GS, et al. **Can J Psychiatry** 1982 Feb; 27(1):46–8
ECT in psychogeriatric practice––a study of risk factors, indications and outcome. Gaspar D, et al. **Compr Psychiatry** 1982 Mar–Apr;23(2):170–5
Monitored electroconvulsive therapy. An alternative to conventional methods. Clemmesen L, et al. **Dan Med Bull** 1981 Oct;28(5):193–6
Electroconvulsive therapy – new evidence. **Drug Ther Bull** 1982 Mar 5;20(5):19–20
Electroconvulsive shock prevents dopamine receptor supersensitivity. Lerer B, et al. **Eur J Pharmacol** 1982 May 7;80(1):131–4
Depression by chronic electroconvulsive treatment of clonidine hypotherma and [3H]clonidine binding to rat cortical membranes. Pilc A, et al. **Eur J Pharmacol** 1982 May 7;80(1):109–13
Opiate–like electroencephalographic and behavioral effects of electroconvulsive shock in rats. Tortella FC, et al. **Eur J Pharmacol** 1981 Dec 3;76(2–3):121–8
ECT: underused and misunderstood. Kalinowsky LB. **Hosp Community Psychiatry** 1982 Jun;33(6):425
Influence of single ECT on dopamine, noradrenaline and 5–hydroxytryptamine concentrations in CSF of schizophrenics. Udayakumar MA, et al. **Indian J Med Res** 1981 Nov;74:757–62
Treatment of unipolar depression following electroconvulsive therapy. Relapse rate comparisons between lithium and tricyclics therapies following ECT. Perry P, et al. **J Affective Disord** 1979 Jun;1(2):123–9
Can ECT prevent premature death and suicide in 'schizoaffective' patients? Tsuang MT, et al. **J Affective Disord** 1979 Sep;1(3):167–71
Electroconvulsive therapy does not change serum CK, LD, or LD isoenzymes [letter] Lott JA, et al. **J Clin Psychiatry** 1982 Apr;43(4):169–70
Predictors for improvement after electroconvulsive therapy in parkinsonian patients with on–off symptoms. Balldin J, et al. **J Neural Transm** 1981;52(3):199–211
Effects of electroconvulsive shock on mouse–killing behavior (muricide) in olfactory bulbectomized rats. Shibata S, et al. **Jpn J Pharmacol** 1981 Apr;31(2):275–80
ECT in Britain: a shameful state of affairs [editorial] **Lancet** 1981 Nov 28;2(8257):1207–8
Electroconvulsive therapy and the brain: evidence for increased dopamine–mediated responses. Costain DW, et al. **Lancet** 1982 Aug 21;2(8295):400–4
Electroconvulsion treatment in Great Britain 1980. Pippard J, et al. **Lancet** 1981 Nov 21;2(8256):1160–1
Electrotherapy and 'placebo' electrotherapy. A review. Mendelson G. **Med J Aust** 1981 Aug 8;2(3):125–6, 128
Electroconvulsive shock results in a functional activation of endorphin systems. Holaday JW, et al. **Mod Probl Pharmacopsychiatry** 1981;17:142–57
Neuroendocrine study of the mechanism of action of electroconvulsive therapy. Arató M, et al. **Neuropsychobiology** 1982;8(3):162–8
Influence of unilateral ECT on tryptophan metabolism in endogenous depression. Smith DF, et al. **Pharmacopsychiatria** 1981 Jul;14(4):135–8
Substance P–like immunoreactivity in plasma of psychotic patients and effects of neuroleptics and electroconvulsive therapy. Kaiya H, et al. **Psychiatry Res** 1981 Aug; 5(1):11–21
Electroconvulsive therapy (ECT) increases plasma growth hormone, prolactin, luteinising hormone and follicle–stimulating hormone but not thyrotropin or substance P. Skrabanek P, et al. **Psychoneuroendocrinology** 1981;6(3):261–7
Assessing the effects of electroconvulsive therapy (ECT). **Psychopharmacol Bull** 1982 Jan;18(1):27–35
Clinical prediction of ECT response in depressed patients. Abrams R. **Psychopharmacol Bull** 1982 Apr;18(2):48–50
ECT and tricyclic antidepressants in the treatment of endogenous depression. Abrams R. **Psychopharmacol Bull** 1982 Apr;18(2):73–5
Predictors of outcome in convulsive therapy. Fink M. **Psychopharmacol Bull** 1982 Apr;18(2):50–7
Relevance of neuroendocrine strategies for electroconvulsive therapy research. Haskett RF, et al. **Psychopharmacol Bull** 1982 Apr;18(2):57–62
Factors affecting outcome after successful electroconvulsive therapy. Haskett RF. **Psychopharmacol Bull** 1982 Apr; 18(2):75–8
Electroconvulsive therapy update. Small JG, et al. **Psychopharmacol Bull** 1981 Oct;17(4):29–42 (114 ref.)
The importance of diagnostic criteria for depression in the study of ECT. Taylor MA. **Psychopharmacol Bull** 1982 Apr;18(2):44–8
Electroencephalographic correlates of ECT. Weiner RD. **Psychopharmacol Bull** 1982 Apr;18(2):78–81
The role of stimulus waveform in therapeutic and adverse effects of ECT. Weiner RD. **Psychopharmacol Bull** 1982 Apr;18(2):71–2
[Experiences of electric shock therapy carried out in the out–patient department — clinical analysis of 800 cases (author's transl)] Lu LK. **Chung Hua Shen Ching Ching Shen Ko Tsa Chih** 1981 Feb; 14(1):45–6 **(Chi)**
[A clinical study of electric shock therapy of epileptic mental disturbances — analysis of 32 cases (author's transl)] Wang ZC. **Chung Hua Shen Ching Ching Shen Ko Tsa Chih** 1981 Feb;14(1):42–4 **(Chi)**
[The role of high–dosage neuroleptic therapy and electroshock in the treatment of the acute phase of schizophrenia] Ungvári G, et al. **Psychiatr Neurol Med Psychol (Leipz)** 1981 Aug; 33(8):458–63 (Eng. Abstr.) **(Ger)**
[Electroshock in psychiatry] Csiky K, et al. **Rev Med Interna [Neurol Psihiatr]** 1981 Oct–Dec; 26(4):259–66 (21 ref.) **(Rum)**

ADVERSE EFFECTS

ECT and cerebral atrophy. A computed tomographic study. Calloway SP, et al. **Acta Psychiatr Scand** 1981 Nov; 64(5):442–5
Diazoxide in the management of severe hypertension after electroconvulsive therapy. Kraus RP, et al. **Am J Psychiatry** 1982 Apr;139(4):504–5
Memory and electroconvulsive therapy [letter] Squire LR. **Am J Psychiatry** 1982 Sep;139(9):1221
Guedel airway and tooth damage [letter] Pollard BJ, et al. **Anaesth Intensive Care** 1981 Nov;9(4):395
Cardiovascular and hormonal responses to electroconvulsive therapy. Modification of an exaggerated response in an hypertensive patient by beta–receptor blockade. Jones RM, et al. **Anaesthesia** 1981 Aug;36(8):795–9
Does ECT produce kindling? Small JG, et al. **Biol Psychiatry** 1981 Aug;16(8):773–8
Acute pulmonary oedema following grand mal epilepsy and as a complication of electric shock therapy. Buisseret P. **Br J Dis Chest** 1982 Apr;76(2):194–5
Ect and cerebral damage [letter] Calloway SP, et al. **Br J Psychiatry** 1982 Jan;140:103
ECT and cerebral damage [letter] Levy R, et al. **Br J Psychiatry** 1982 May;140:548–9
Follow–up study of memory deficits after ECT. Shellenberger W, et al. **Can J Psychiatry** 1982 Jun; 27(4):325–9
Adrenal hemorrhagic necrosis following electroconvulsive therapy [letter] Donald IP, et al. **Lancet** 1982 Jul 31; 2(8292):277
Nonmemory higher cognitive function and electroconvulsive treatment. Berenbaum SA, et al. **Psychopharmacol Bull** 1982 Apr;18(2):101–9
Convulsive therapy: a risk–benefit analysis. Fink M. **Psychopharmacol Bull** 1982 Apr;18(2):110–6
Short– and long–term cognitive effects of ECT: Part I––Effects on memory. Price TR. **Psychopharmacol Bull** 1982 Apr;18(2):81–91
Short– and long–term cognitive effects of ECT: Part II––Effects on nonmemory associated cognitive functions. Price TR. **Psychopharmacol Bull** 1982 Apr;18(2):91–101

INSTRUMENTATION

Electric convulsion therapy apparatus [letter] Robin A. **Br Med J [Clin Res]** 1982 Aug 7;285(6339):441–2

METHODS

Electroconvulsive therapy. Pretreatment medical evaluation. Elliot DL, et al. **Arch Intern Med** 1982 May;142(5):979–81 (29 ref.)
ECT: misconceptions and attitudes. Kerr RA, et al. **Aust NZ J Psychiatry** 1982 Mar;16(1):43–9
Relationship between clinical and cognitive change with bilateral and unilateral ETC. Small IF, et al. **Biol Psychiatry** 1981 Aug;16(8):793–4
Diagonal electroconvulsive therapy [letter] Shawcross CR, et al. **Br J Psychiatry** 1982 Jan;140:102–3
A review of the use of electroconvulsive therapy. O'Connell RA. **Hosp Community Psychiatry** 1982 Jun;33(6):469–73
The treatment of mania. A retrospective evaluation of the effects of ECT, chlorpromazine, and lithium. Thomas J, et al. **J Affective Disord** 1982 Jun;4(2):85–92
A comparison of multiple and single electroconvulsive therapy. Berens ES, et al. **J Clin Psychiatry** 1982 Apr; 43(4):126–8
ECT as a possible treatment for SIADH: case report. Brent RH, et al. **J Clin Psychiatry** 1982 Feb;43(2):73–4
The identification and management of patients with a high risk for cardiac arrhythmias during modified ECT. Gerring JP, et al. **J Clin Psychiatry** 1982 Apr;43(4):140–3
Unilateral or bilateral ECT? [letter] Abrams R. **Lancet** 1982 Jan 9;1(8263):112
Electroconvulsive therapy in the medically ill patient. Bidder TG. **Psychiatr Clin North Am** 1981 Aug;4(2):391–405 (60 ref.)
Electroconvulsive therapy in the elderly patient. Salzman C. **Psychiatr Clin North Am** 1982 Apr;5(1):191–7
Hypothalamic–pituitary–adrenal axis abnormality and ECT response. Coryell W. **Psychiatry Res** 1982 Jun;6(3):283–91
The relative efficacy of unilateral nondominant and bilateral stimulation. Welch CA. **Psychopharmacol Bull** 1982 Apr; 18(2):68–70
[Use of electroconvulsive therapy in psychiatric treatment centres in West Germany (author's transl)] Reimer F, et al. **Nervenarzt** 1981 Sep;52(9):554–6 **(Ger)**

TRENDS

Present status and practice of electroconvulsive therapy at the Psychiatric Hospital, Enugu, Nigeria. Ihezue HU, et al. **Acta Psychiatr Scand** 1981 Apr;63(4):325–32

ELECTRODERMAL RESPONSE see **GALVANIC SKIN RESPONSE**

ELECTRODES

Electrochemical study of electrode behaviour during bioelectric impedance measurements. Georges B, et al. **Acta Orthop Scand [Suppl]** 1982;196:9–14
Use of an oxygen electrode in assaying biodegradability. Mountcastle WR Jr, et al. **Anal Biochem** 1982 Jan 1; 119(1):78–81
Development and application of a histidine–selective biomembrane electrode. Kovach PM, et al. **Anal Chem** 1982 Feb;54(2):217–20
Electrode polarity and peripheral nerve stimulation. Berger JJ, et al. **Anesthesiology** 1982 May;56(5):402–4
Comparison of the sutureless and suture–type epicardial electrodes in pediatric cardiac pacing. DeLeon SY, et al. **Ann Thorac Surg** 1982 Mar;33(3):273–6
The effect of electrode placement on frontalis EMG measurement in headache patients. Sanders SH, et al. **Biofeedback Self Regul** 1981 Dec;6(4):473–81
Cyclic voltammetry for the study of polymer film adhesion to platinum neurological electrodes. Nichols MF, et al. **Biomaterials** 1981 Jul;2(3):161–5
Effect of electrode temperatures on monitoring of transcutaneous carbon dioxide (TcPCO2) in prematures. Vesterager P. **Biotelem Patient Monit** 1982;9(1):18–27
A sandwich electrode for multi–gas analysis: a prototype. Hahn CE, et al. **Br J Anaesth** 1982 Jun;54(6):681–7
Ion–selective electrodes. Lawrence CA. **Br J Hosp Med** 1981 Dec;26(6):625–30
Computer interface and algorithm determines bioelectrode impedance. Scobey RP. **Comput Programs Biomed** 1981 Mar–Jun;13(1–2):3–8
A new multielectrode array for the simultaneous recording of field potentials and unit activity. Barna JS, et al. **Electroencephalogr Clin Neurophysiol** 1981 Nov;52(5):494–6
Practical considerations in the positioning of EEG electrodes. Binnie CD, et al. **Electroencephalogr Clin Neurophysiol** 1982 Apr;53(4):453–8
Action potentials recorded by fluid electrodes. Nakanishi T. **Electroencephalogr Clin Neurophysiol** 1982 Mar;53(3):343–5
On the nature and elimination of stimulus artifact in nerve signals evoked and recorded using surface electrodes. McGill KC, et al. **IEEE Trans Biomed Eng** 1982 Feb; 29(2):129–37
A reaction cell with short optical path and oxygen electrode compartment for convenient quantitative determination of oxygen binding by hemoglobin. Horiuchi K, et al. **Int J Biochem** 1982;14(5):359–62
A combined transcutaneous PO2–PCO2 electrode with electrochemical HCO3– stabilization. Severinghaus JW. **J Appl Physiol** 1981 Oct;51(4):1027–32
A gold–plated suction electrode for extracellular recording and dye infusion. Theophilidis G, et al. **J Exp Biol** 1982 Jun;98:455–7
On the use of monocrystalline antimony pH electrodes in gastro–oesophageal functional disorders. Ask P, et al. **Med Biol Eng Comput** 1982 May;20(3):383–9
Longitudinal electrode arrays for electromyography. Emerson ND, et al. **Med Biol Eng Comput** 1981 Jul; 19(4):504–6
Internally charged palladium hydride reference electrode: II. Automatically controlled palladium hydride electrode. Kelly JF, et al. **Med Biol Eng Comput** 1981 May;19(3):333–9
Movement–induced potentials in surface electrodes. Odman S, et al. **Med Biol Eng Comput** 1982 Mar;20(2):159–66
Linear and nonlinear properties of platinum electrode polarisation. Part 1: frequency dependence at very low frequencies. Onaral B, et al. **Med Biol Eng Comput** 1982 May;20(3):299–306
Influence of paddle–electrode location and size on success of cardioversion [letter] Ewy GA. **N Engl J Med** 1982 Jan 21;306(3):174–5
Ear–canal compared to mastoid electrode placement in BRA. Harder H, et al. **Scand Audiol [Suppl]** 1981;13:55–7
An improved technique for the non–invasive recording of auditory brain–stem responses with a specially constructed meatal electrode. Lang AH, et al. **Scand Audiol [Suppl]** 1981;13:59–62
Bioselective membrane electrode probes. Rechnitz GA.

Science 1981 Oct 16;214(4518):287–91

[GKM 01: a new measuring system for enzyme electrodes] Jänchen M, et al. **Z Med Lab Diagn** 1982 Jan;23(1):39–42 (Eng. Abstr.) **(Ger)**

[Clinical experience of self-anchoring silicon tined lead (author's transl)] Koshikawa M, et al. **Kyobu Geka** 1982; 35(3):212–4 (Eng. Abstr.) **(Jpn)**

[Measurement and hygienic evaluation of electromagnetic fields in the environment of diathermy, welding machines and induction heaters] Aniolczyk H. **Med Pr** 1981; 32(2):119–28 (Eng. Abstr.) **(Pol)**

[Electrode block for studying the human H-reflex] Zborovskaia VI, et al. **Kosm Biol Aviakosm Med** 1981 Nov–Dec;15(6):82–3 **(Rus)**

STANDARDS

Design considerations for oxygen-sensing electrodes. Ferris CD, et al. **Biomed Sci Instrum** 1981;17:103–8

Construction and testing of miniature, dry pH electrodes. Nichols MF, et al. **Biomed Sci Instrum** 1981;17:97–102

ELECTRODES, IMPLANTED

Controlled prehension and release in the C5 quadriplegic elicited by functional electrical stimulation of the paralyzed forearm musculature. Peckham PH, et al. **Ann Biomed Eng** 1980;8(4–6):369–88

Single neuron recording from motor cortex as a possible source of signals for control of external devices. Schmidt EM. **Ann Biomed Eng** 1980;8(4–6):339–49

Temporary pacemaker wire insertion: a simple, safe, and effective technique. Edgerton JR, et al. **Ann Thorac Surg** 1981 Dec;32(6):615–7

Permanent atrial electrode placement. Gordon R, et al. **Ann Thorac Surg** 1982 Jan;33(1):86–7

The adhesion of glow—discharge polymers, Silastic and Parylene to implantable platinum electrodes: results of tensile pull tests after exposure to isotonic sodium chloride. Sadhir RK, et al. **Biomaterials** 1981 Oct;2(4):239–43

Chronic cortical electrode array for seizure investigation. Levy WJ, et al. **Childs Brain** 1982;9(1):48–52

Electrically induced osteogenesis: relationship between charge, current density, and the amount of bone formed: introduction of a new cathode concept. Brighton CT, et al. **Clin Orthop** 1981 Nov–Dec;(161):122–32

Continuous intravascular monitoring of plasma potassium using potassium-selective electrode catheters. Linton RA, et al. **Crit Care Med** 1982 May;10(5):337–40

Long-term neuroelectric signal recording from severed nerves. De Luca CJ, et al. **IEEE Trans Biomed Eng** 1982 Jun;29(6):393–403

Carbon fiber as an electrode material. Starrenburg AJ, et al. **IEEE Trans Biomed Eng** 1982 May;29(5):352–5

Electroneurographic recordings with polymer cuff electrodes in paralyzed cats. Julien C, et al. **J Neurosci Methods** 1982 Mar;5(3):267–72

Stereotaxic device for percutaneous twist-drill insertion of depth electrodes and for brain biopsy. Technical note. Olivier A, et al. **J Neurosurg** 1982 Feb;56(2):307–8

Polarisation impedance of pacemaker electrodes: in vitro studies simulating practical operation. Fischler H, et al. **Med Biol Eng Comput** 1981 Sep;19(5):579–88

A variation on the introducer technique for unlimited access to the subclavian vein. Belott PH. **PACE** 1981 Jan;4(1):43–8

Corrosion of pacemaker electrodes. Parsonnet V, et al. **PACE** 1981 May;4(3):289–96

The use of fluoride for the prevention of chronic intracranial implant dislodgment. Yamamoto BK, et al. **Pharmacol Biochem Behav** 1981 Oct;15(4):663–4

[Multipolar His bundle catheter electrode (author's transl)] Sun JC. **Chung Hua Hsin Hsueh Kuan Ping Tsa Chih** 1980 Sep;8(3):235–7 **(Chi)**

[Implantation of electrodes and permanent cardiac stimulators by the axillary route] Cypro B, et al. **Rozhl Chir** 1981 Aug;60(8):574–6 **(Cze)**

[Clinical use of a new myocardial permanent electrode (author's transl)] Jausseran JM, et al. **Ann Chir** 1981 Oct; 35(8):529–32 (Eng. Abstr.) **(Fre)**

[Transvenous retrieval of endocardial pacemaker electrode fragments (author's transl)] Grosse-Heitmeyer W, et al. **Herz** 1982 Jun;7(3):198–201 (Eng. Abstr.) **(Ger)**

[Experience with 208 'screw-in' type pacemaker leads with particular reference to atrial positioning (author's transl)] Machraoui A, et al. **Herz** 1981 Dec;6(6):364–8 (Eng. Abstr.) **(Ger)**

[Tissue reaction with platinum-iridium insulated electrodes (author's transl)] Theopold HM, et al. **Laryngol Rhinol Otol (Stuttg)** 1981 Oct;60(10):534–7 (Eng. Abstr.) **(Ger)**

[Technic and long term results of pacemaker treatment with atrial electrodes] Kappenberger L, et al. **Schweiz Med Wochenschr** 1981 Nov 7;111(45):1706–8 (Eng. Abstr.) **(Ger)**

[A rapid method for control of the position of chronically implanted electrodes in the rat brain] Pohle W, et al. **Z Med Lab Diagn** 1981;22(2):100–2 (Eng. Abstr.) **(Ger)**

[Biomedical electrode with silicon nitride film (author's transl)] Susuki J. **Iyodenshi To Seitai Kogaku** 1981 Apr; 19(2):114–9 (Eng. Abstr.) **(Jpn)**

[Atrial electrodes for permanent pacemaker therapy] Gundersen T, et al. **Tidsskr Nor Laegeforen** 1981 Nov 30; 101(33):1872–4 (Eng. Abstr.) **(Nor)**

[Initial experience with endocardiac electrode insertion by puncture for the permanent stimulation of the heart via the subclavian veins] Lautsiavichius A, et al. **Kardiologiia** 1981 Dec;21(12):102–3 **(Rus)**

[Use of the internal jugular vein for electrode and cava-filter implantation] Bredikis IuIu, et al. **Vestn Khir** 1982 Apr; 128(4):10–2 **(Rus)**

ADVERSE EFFECTS

[Method of preventing accidental electrostimulation of the skeletal muscles during implantation of the EKS-2 electrostimulators] Pavliuk MS, et al. **Klin Khir** 1981 Jul; (7):68–9 **(Rus)**

STANDARDS

Glow discharge polymers as coatings for implanted devices. Hahn AW, et al. **Biomed Sci Instrum** 1981;17:109–13

[Unusual dislocation of a pacemaker electrode] Wendt KD, et al. **Z Gesamte Inn Med** 1981 Sep 15;36(18):685–8 (Eng. Abstr.) **(Ger)**

ELECTRODES, MINIATURIZED see **MICROELECTRODES**

ELECTRODIAGNOSIS

Surgical treatment of ventricular tachycardia guided by ventricular mapping in 23 patients without coronary artery disease. Guiraudon G, et al. **Ann Thorac Surg** 1981 Nov; 32(5):439–50

Familial spastic paraplegia: a clinical and electrodiagnostic evaluation. Owens LA, et al. **Arch Phys Med Rehabil** 1982 Aug;63(8):357–61

[Denervation and re-innervation processes, electrological diagnosis and therapy] Dumoulin J, et al. **Electrodiagn Ther** 1981;18(3):95–110 **(Fre)**

[Features of the polygraphic picture of natural sleep in patients with subacute sclerosing panencephalitis] Iakhno NN, et al. **Zh Nevropatol Psikhiatr** 1982;82(2):212–6 (Eng. Abstr.) **(Rus)**

[Botulism: diagnostic confirmation by electrophysiological study] Alted López E, et al. **Med Clin (Barc)** 1982 Jan 25;78(2):77–8 **(Spa)**

INSTRUMENTATION

Microprocessor-assisted screening techniques. Sollish BD, et al. **Isr J Med Sci** 1981 Sep–Oct;17(9–10):859–64

Comparisons of home sleep recordings and polysomnograms in older adults with sleep disorders. Ancoli-Israel S, et al. **Sleep** 1981 Sep;4(3):283–91

[An electrogustometer for routine clinical practice] Tománek Z, et al. **Cesk Otolaryngol** 1981;30(6):381–2 (Eng. Abstr.) **(Cze)**

[Clinical experience with an electrogustometer of our design] Tománek Z, et al. **Cesk Otolaryngol** 1982 Jan;31(1):41–4 (Eng. Abstr.) **(Cze)**

[A project of electrogustometer (author's transl)] Krzeski A, et al. **Otolaryngol Pol** 1982;36(2–3):177–9 **(Pol)**

METHODS

The use of oesophageal pH-monitoring for the evaluation of gastrooesophageal reflux after resection of the cardia and total gastrectomy. Orel J, et al. **Acta Chir Iugosl** 1981; 28(2):203–9

Electroneurography in the prognostication of Bell's palsy. Thomander L, et al. **Acta Otolaryngol (Stockh)** 1981 Sep–Oct;92(3–4):221–37

Generalized, bilaterally synchronous bursts of slow waves in the EEG. Schaul N, et al. **Arch Neurol** 1981 Nov; 38(11):690–2

An algorithm for the detection of peaks in biological signals. Dumpala SR, et al. **Comput Programs Biomed** 1982 Jun; 14(3):249–56

Clinical electroneurography: statistical analysis of controlled measures in twenty-two normal subjects. Hughes GB, et al. **Laryngoscope** 1981 Nov;91(11):1834–46

[Electrodiagnosis of non-traumatic peripheral facial paralysis] de Bisschop G, et al. **Electrodiagn Ther** 1980; 17(4):191–245 (68 ref.) **(Fre)**

[New approaches to detection and estimation of the shape of evoked potentials (author's transl)] Coatrieux JL, et al. **Rev Electroencephalogr Neurophysiol Clin** 1982 Apr; 12(1):96–100 (21 ref.) **(Fre)**

[Selective proximal vagotomy with intraoperative monitoring using Burge's test] Pimpl W, et al. **Z Exp Chir** 1981 Dec; 14(6):345–8 (Eng. Abstr.) **(Ger)**

[Differential evaluation of excitatory conduction rats along different segments of motor nerves and functional tests in the diagnosis of diseases of the human peripheral neuromotor apparatus] Gekht BM, et al. **Zh Nevropatol Psikhiatr** 1982;82(4):5–11 (Eng. Abstr.) **(Rus)**

[Method of highly sensitive electrothermometry for intraoperative diagnosis of supratentorial brain tumors] Irger IM, et al. **Zh Vopr Neirokhir** 1981 Sep–Oct;(5):3–7 (Eng. Abstr.) **(Rus)**

ELECTROENCEPHALOGRAPHY

Evoked responses after head trauma. Harmony T, et al. **Act Nerv Super (Praha)** 1981 Dec;23(4):303–10

EEG changes in the limbic system after the administration of leu5-enkephalin. Herink J, et al. **Act Nerv Super (Praha)** 198! Dec;23(4):290–2

Hippocampal theta activity in the acute cerveau isolé cat. Gottesmann C, et al. **Acta Neurobiol Exp (Warsz)** 1981; 41(2):251–5

Changes in local cerebral blood flow, local EEG, and flow in the distal stump of the middle cerebral artery in cats with occlusion of the middle cerebral artery. Tulleken CA, et al. **Acta Neurochir (Wien)** 1982;61(1–3):227–40

The electroencephalogram in dementia. Differential diagnostic value in Alzheimer's disease, senile dementia and multi-infarct dementia. Striano S, et al. **Acta Neurol (Napoli)** 1981 Dec;36(6):727–34

Reduction of blood flow in cerebral white matter in alcoholics related to hepatic function. Jóhannesson G, et al. **Acta Neurol Scand** 1982 Mar;65(3):190–202

Personality correlates of sphenoidal EEG-foci in temporal lobe epilepsy. Nielsen H, et al. **Acta Neurol Scand** 1981 Oct;64(4):289–300

Dependence between the P3-wave and the prestimulus EEG negative shift under conditions of probability prediction. Angelov A, et al. **Acta Physiol Pharmacol Bulg** 1981; 7(3):55–62

Changes in the P3-wave in a situation of verbal stimulus prediction. Angelov A, et al. **Acta Physiol Pharmacol Bulg** 1981;7(3):47–54

Influence of immobilization and motor loading on the 4.5—12 Hz frequency range of the EEG in rats. Chereshatov L, et al. **Acta Physiol Pharmacol Bulg** 1981;7(4):29–35

EEG antecedents of thievery. Petersén KG, et al. **Acta Psychiatr Scand** 1982 May;65(5):331–8

Electroconvulsive therapy: a comparison of seizure duration as monitored with electroencephalograph and electromyograph. Sørensen P, et al. **Acta Psychiatr Scand** 1981 Sep;64(3):193–8

Effect of levomepromazine on EEG and on clinical side effects after lumbar myelography with metrizamide. Standnes B, et al. **Acta Radiol [Diagn] (Stockh)** 1982; 23(2):111–4

Tricyclic antidepressants and EEG sleep in depressed patients. Kupfer DJ. **Adv Biochem Psychopharmacol** 1982; 32:269–79

Pharmaco-EEG profiles of typical and atypical antidepressants. Saletu B. **Adv Biochem Psychopharmacol** 1982;32:257–68

Carotid and vertebral artery surgery, EEG monitoring, and the operating room. Anderson EM, et al. **Adv Neurol** 1981; 30:361–77

EEG in the vascular laboratory. Anderson EM, et al. **Adv Neurol** 1981;30:325–34

EEG and carotid cutaneous plethysmographic monitoring during carotid reconstructive surgery. Fuster B, et al. **Adv Neurol** 1981;30:379–92

Evoked brain potential deficits in alcoholism and aging. Porjesz B, et al. **Alcoholism (NY)** 1982 Winter;6(1):53–63

Primary VF during EEG in a psychiatric patient. Morrison D, et al. **Am Heart J** 1982 Jun;103(6):1081–3

EEG pattern in phenylketonuria under early initiated dietary treatment. Blaskovics M, et al. **Am J Dis Child** 1981 Sep; 135(9):802–8

Prolonged EEG and videotape monitoring in children. Holmes GL, et al. **Am J Dis Child** 1982 Jul;136(7):609–11

Lithium encephalopathy: a clinical, psychiatric, and EEG evaluation. Fetzer J, et al. **Am J Psychiatry** 1981 Dec; 138(12):1622–3

An electroencephalographic study of 4-aminopyridine. Sia RL, et al. **Anesth Analg (Cleve)** 1982 Apr;61(4):354–7

Hypothermia plus thiopental: prolonged electroencephalographic suppression. Quasha AL, et al. **Anesthesiology** 1981 Dec;55(6):636–40

Virus-induced electrotonic coupling: hypothesis on the mechanism of periodic EEG discharges in Creutzfeldt-Jakob disease. Traub RD, et al. **Ann Neurol** 1981 Nov;10(5):405–10

Neurons in human epileptic cortex: correlation between unit and EEG activity. Wyler AR, et al. **Ann Neurol** 1982 Mar; 11(3):301–8

Psychogenic seizures. A study of 42 attacks in six patients, with intensive monitoring. Desai BT, et al. **Arch Neurol** 1982 Apr;39(4):202–9

Transient eyelid opening associated with postanoxic EEG suppression-burst pattern. McCarty GE, et al. **Arch Neurol** 1981 Dec;38(12):754–6

Generalized, bilaterally synchronous bursts of slow waves in the EEG. Schaul N, et al. **Arch Neurol** 1981 Nov; 38(11):690–2

Carotid endarterectomy. The unreliability of intraoperative monitoring in patients having had stroke or reversible ischemic neurologic deficit. Rosenthal D, et al. **Arch Surg** 1981 Dec;116(12):1569–75

Lack of effect of pulsed ultrasound on the mammalian EEG. Amin A, et al. **Aviat Space Environ Med** 1981 Oct; 52(10):604–7

The aerospace screening electroencephalogram: an analysis of benefits and costs in the U.S. Air Force. Everett WD, et al. **Aviat Space Environ Med** 1982 May;53(5):495–501

Frequency analysis of EEG in rats during the preconvulsive period of O2 poisoning. Torbati D, et al. **Aviat Space Environ Med** 1981 Oct;52(10):598–603

alpha-Adrenoceptive influences on hippocampal theta rhythm in the rat. Monmaur P, et al.

Behav Neural Biol 1981 Sep;33(1):129–32

Controllability of an aversive stimulus in depressed patients and health controls: a study using slow brain potentials. Bolz J, et al. **Biol Psychiatry** 1981 May;16(5):441–52

Electrocortical frequencies in hyperactive, learning-disabled, mixed, and normal children. Dykman RA, et al. **Biol Psychiatry** 1982 Jun;17(6):675–85

EEG studies of sleep in the diagnosis of depression. Feinberg M, et al. **Biol Psychiatry** 1982 Mar;17(3):305–16

Nortriptyline and EEG sleep in depressed patients. Kupfer DJ, et al. **Biol Psychiatry** 1982 May;17(5):535–46

A preliminary attempt to relate individual differences in EEG test dose response to clinical effect. May PR, et al. **Biol Psychiatry** 1982 May;17(5):599–603

Sleep EEG and dexamethasone suppression test findings in outpatients with unipolar major depressive disorders. Rush AJ, et al. **Biol Psychiatry** 1982 Mar;17(3):327–41

Neuropsychological assessment and EEG sleep in affective disorders. Shipley JE, et al. **Biol Psychiatry** 1981 Oct; 16(10):907–18

Handedness and EEG correlation in autistic children. Tsai LY, et al. **Biol Psychiatry** 1982 May;17(5):595–8

A symposium on the psychological significance of the ERP. **Biol Psychol** 1981 Dec;13:1–298

Effects of personality and semantic content of stimuli on augmenting and reducing in the event-related potential. Davidson RJ, et al. **Biol Psychol** 1980 Nov–Dec; 11(3–4):249–55

Effects of information processing demands on slow negative shift latencies and N100 amplitude in selective and divided attention. Parasuraman R. **Biol Psychol** 1980 Nov–Dec; 11(3–4):217–33

Some electrocardiographic faces of hyperkalemia. Johnson CD. **Bol Asoc Med PR** 1981 Mar;73(3):102–8

Plasma concentration and E.E.G. after various regimens of etomidate. Doenicke A, et al. **Br J Anaesth** 1982 Apr; 54(4):393–400

Systemic availability of oral verapamil and effect on PR interval in man. Johnston A, et al. **Br J Clin Pharmacol** 1981 Sep;12(3):397–400

EEG correlates of hemisphere differences during a rapid calculation task. Shepherd R, et al. **Br J Psychol** 1982 Feb; 73(Pt 1):73–84

Sex and handedness differences in EEG measures of hemispheric specialization. Galin D, et al. **Brain Lang** 1982 May;16(1):19–55

Two types of diencephalically driven RSA (theta) as a means of studying memory formation in mice. Destrade C. **Brain Res** 1982 Feb 25;234(2):486–93

Simulation of post-synaptic activities in hippocampal cells during theta rhythm. Fuentes J, et al. **Brain Res Bull** 1981 Aug;7(2):157–62

EEG during attacks of common and classical migraine. Lauritzen M, et al. **Cephalalgia** 1981 Jun;1(2):63–6

Event-related brain potentials to human faces in infants. Courchesne E, et al. **Child Dev** 1981 Sep;52(3):804–11

EEG in cerebrotendinous xanthomatosis (CTX). Berginer VM, et al. **Clin Electroencephalogr** 1982 Apr;13(2):89–96

Rhythmic mid-temporal discharges in the EEG of normal children and adolescents. Eeg-Olofsson O, et al. **Clin Electroencephalogr** 1982 Jan;13(1):40–5

A new type of epilepsy: benign partial epilepsy of childhood with occipital spike-waves. Gastaut H. **Clin Electroencephalogr** 1982 Jan;13(1):13–22

Triphasic delta waves in a case of hyperthyroidism with psychotic symptoms. Hirano M, et al. **Clin Electroencephalogr** 1982 Apr;13(2):97–102

An EEG-psychological study of a family. Jurko MF, et al. **Clin Electroencephalogr** 1982 Apr;13(2):108–15

Complexities of primary generalized epilepsy. Niedermeyer E. **Clin Electroencephalogr** 1981 Oct;12(4):177–91

Prediction of outcome in neonates using EEG. Obrecht R, et al. **Clin Electroencephalogr** 1982 Jan;13(1):46–9

Evoked potentials and head injury. 2. Clinical applications. Rappaport M, et al. **Clin Electroencephalogr** 1981 Oct; 12(4):167–76

Evoked potentials and head injury. 1. Rating of evoked potential abnormality. Rappaport M, et al. **Clin Electroencephalogr** 1981 Oct;12(4):154–66

The aphasia-epilepsy syndrome in children: electroencephalographic aspects. Rodriguez I, et al. **Clin Electroencephalogr** 1982 Jan;13(1):23–35

Relation between EEG and disability scores in multiple sclerosis. Colon E, et al. **Clin Neurol Neurosurg** 1981; 83(3):163–8

Migraine with interparoxysmal sharp complexes in the EEG: clinical features and response to anticonvulsant drugs. Radhakrishnan K, et al. **Clin Neurol Neurosurg** 1981; 83(2):87–94

Pharmacoelectroencephalographic study of brotizolam, a novel hypnotic. Fink M, et al. **Clin Pharmacol Ther** 1981 Sep;30(3):336–42

Identification and labeling of EEG graphic elements using autoregressive spectral estimates. Jansen BH, et al. **Comput Biol Med** 1982;12(2):97–106

Spectral analysis: prediction and extrapolation. Childers DG, et al. **CRC Crit Rev Bioeng** 1981;6(2):133–75 (88 ref.)

Abnormal electroencephalograms in male alcoholics after methohexital (brevital) injection. A pilot study. Brumback RA, et al. **Curr Alcohol** 1981;8:57–77

EEG differences between male alcoholics in withdrawal and those stabilized in treatment. Coger RW, et al. **Curr Alcohol** 1981;8:85–96

Atypical benign partial epilepsy of childhood. Aicardi J, et al. **Dev Med Child Neurol** 1982 Jun;24(3):281–92

Clinical application of evoked EEG responses in infants. III: congenital hypothyroidism. Hrbek A, et al. **Dev Med Child Neurol** 1982 Apr;24(2):164–72

Enuresis and hyperventilation response in the EEG. Kaada B, et al. **Dev Med Child Neurol** 1981 Oct;23(5):591–9

Development dysphasia and electroencephalographic abnormalities. Maccario M, et al. **Dev Med Child Neurol** 1982 Apr;24(2):141–55

Results and perspectives of electroencephalography in toxicology. Mellerio F. **Dev Toxicol Environ Sci** 1980; 8:401–4

American Electroencephalographic Society, 1981 Annual Meeting, Chicago, Ill, June 11–13, 1981. Abstracts. **Electroencephalogr Clin Neurophysiol** 1982 Mar;53(3):suppl 19P–40P

Society proceedings: Società Italiana di Elettroencefalografia e Neurofisiologia Clinica. Capri, May 29–31, 1980. Abstracts. **Electroencephalogr Clin Neurophysiol** 1982 Jul; 54(1):1P–18P

Power spectral analysis of EEG drug response in the kindled rat brain. Adamec RE, et al. **Electroencephalogr Clin Neurophysiol** 1981 Nov; 52(5):451–60

Effects of post-ictal depression on experimental spike and wave discharges. Avoli M, et al. **Electroencephalogr Clin Neurophysiol** 1981 Oct;52(4):372–4

Eye movement artifact nulling in EEGs by multichannel on-line EOG subtraction. Barlow JS, et al. **Electroencephalogr Clin Neurophysiol** 1981 Nov; 52(5):418–23

Effects of age and body lead burden on CNS function in young children. II. EEG spectra. Benignus VA, et al. **Electroencephalogr Clin Neurophysiol** 1981 Oct;52(4):240–8

Principal component analysis of pain-related cerebral potentials to mechanical and electrical stimulation in man. Bromm B, et al. **Electroencephalogr Clin Neurophysiol** 1982 Jan;53(1):94–103

Amplitude and spectral quantification of the effects of morphine on the cortical EEG of the rat. Bronzino JD, et al. **Electroencephalogr Clin Neurophysiol** 1982 Jan; 53(1):14–26

A new system for gray-level surface distribution maps of electrical activity. Buchsbaum MS, et al. **Electroencephalogr Clin Neurophysiol** 1982 Feb; 53(2):237–42

The effects of constant light on EEG and seizure activity in the epileptic baboon. Ehlers CL, et al. **Electroencephalogr Clin Neurophysiol** 1982 Aug; 54(2):187–93

Local electrographic effects of leu-enkephalin microinjections into the brain. Elazar Z, et al. **Electroencephalogr Clin Neurophysiol** 1982 Jul;54(1):91–5

Respiratory pauses and apnea during daytime sleep in normal infants during the first year of life: longitudinal observations. Ellingson RJ, et al. **Electroencephalogr Clin Neurophysiol** 1982 Jan;53(1):48–59

Neuroradiological correlates of frontally predominant intermittent rhythmic delta activity (FIRDA). Fariello RG, et al. **Electroencephalogr Clin Neurophysiol** 1982 Aug; 54(2):194–202

Effects of perceptual and cognitive difficulty on P3 and RT in young and old adults. Ford JM, et al. **Electroencephalogr Clin Neurophysiol** 1982 Sep; 54(3):311–21

Application of digital filtering and automatic peak detection to brain stem auditory evoked potential. Fridman J, et al. **Electroencephalogr Clin Neurophysiol** 1982 Apr; 53(4):405–16

Pattern processing and slow waves in visual cortex of visually deprived cats. Glass JD, et al. **Electroencephalogr Clin Neurophysiol** 1982 Mar;53(3):334–7

Prognostic value of the electroencephalogram in neonatal asphyxia. Holmes G, et al. **Electroencephalogr Clin Neurophysiol** 1982 Jan;53(1):60–72

Trigeminal evoked potentials in the cat. Huang CM, et al. **Electroencephalogr Clin Neurophysiol** 1982 Jul;54(1):63–70

Central somatosensory conduction time from 10 to 79 years. Hume AL, et al. **Electroencephalogr Clin Neurophysiol** 1982 Jul;54(1):49–54

Spectral difference index: a single EEG measure of drug effect. Irwin P. **Electroencephalogr Clin Neurophysiol** 1982 Sep;54(3):342–6

Electroencephalographic correlates of near-drowning encephalopathy in children. Janati A, et al. **Electroencephalogr Clin Neurophysiol** 1982 Feb; 53(2):182–91

Laminar analysis of spindles and of spikes of the spike and wave discharge of feline generalized penicillin epilepsy. Kostopoulos G, et al. **Electroencephalogr Clin Neurophysiol** 1982 Jan;53(1):1–13

Classification of somatic evoked potentials through maximum entropy spectral analysis. Lam CF, et al. **Electroencephalogr Clin Neurophysiol** 1982 May; 53(5):491–500

EEG and slow brain potentials during anticipation and control of painful stimulation. Larbig W, et al. **Electroencephalogr Clin Neurophysiol** 1982 Mar; 53(3):298–309

Spectral characteristics of the hippocampal EEG in the freely moving rat. Leung LW, et al. **Electroencephalogr Clin Neurophysiol** 1982 Aug; 54(2):203–19

Readiness-potentials preceding unrestricted 'spontaneous' vs. pre-planned voluntary acts. Libet B, et al. **Electroencephalogr Clin Neurophysiol** 1982 Sep; 54(3):322–35

Changes in the excitability of rat cerebral cortex after a self-sustained after-discharge. Mareš J, et al. **Electroencephalogr Clin Neurophysiol** 1982 Mar;53(3):283–8

Recognition of REM sleep in standard EEG. Matsuo F. **Electroencephalogr Clin Neurophysiol** 1981 Nov;52(5):490–3

EEG and clinical features in epileptic children during halothane anaesthesia. Mecarelli O, et al. **Electroencephalogr Clin Neurophysiol** 1981 Nov;52(5):486–9

Pattern-reversal visual evoked potentials and retinal eccentricity. Meredith JT, et al. **Electroencephalogr Clin Neurophysiol** 1982 Mar; 53(3):243–53

The effects of methadone on cortical and subcortical EEG in the rat. Mitra J, et al. **Electroencephalogr Clin Neurophysiol** 1981 Oct; 52(4):345–52

Unilateral dopamine deficit and lateral eeg asymmetry: sleep abnormalities in hemi-Parkinson's patients. Myslobodsky M, et al. **Electroencephalogr Clin Neurophysiol** 1982 Aug; 54(2):227–31

Effects of age and body lead burden on CNS function in young children. I. slow cortical potentials. Otto DA, et al. **Electroencephalogr Clin Neurophysiol** 1981 Oct; 52(4):229–39

Influence of test parameter combinations on the auditory evoked late response. Owen JH, et al. **Electroencephalogr Clin Neurophysiol** 1982 Mar; 53(3):329–30

The early wave of the visual evoked potential to sinusoidal gratings: responses to quadrant stimulation as a function of spatial frequency. Parker DM, et al. **Electroencephalogr Clin Neurophysiol** 1982 Apr; 53(4):427–35

Correlations between CT scan and sensorimotor EEG rhythms in patients with cerebrovascular disorders. Pfurtscheller G, et al. **Electroencephalogr Clin Neurophysiol** 1981 Nov; 52(5):473–85

Short latency visual evoked potentials in man. Pratt H, et al. **Electroencephalogr Clin Neurophysiol** 1982 Jul; 54(1):55–62

The contribution of the cortical layers to the generation of the EEG: field potential and current source density analyses in the rabbit's visual cortex. Rappelsberger P, et al. **Electroencephalogr Clin Neurophysiol** 1982 Mar; 53(3):254–69

Auditory evoked magnetic fields: response amplitude vs. stimulus intensity. Reite M, et al. **Electroencephalogr Clin Neurophysiol** 1982 Aug; 54(2):147–52

MEG and EEG auditory responses to tone, click and white noise stimuli. Reite M, et al. **Electroencephalogr Clin Neurophysiol** 1982 Jun; 53(6):643–51

Auditory stimulus intensity effects on components of the late positive complex. Roth WT, et al. **Electroencephalogr Clin Neurophysiol** 1982 Aug; 54(2):132–46

Dissociation of alpha and theta activity as a function of verbal and visuospatial tasks. Rugg MD, et al. **Electroencephalogr Clin Neurophysiol** 1982 Feb;53(2):201–7

Simultaneous recording and separation of early and middle latency auditory evoked potentials. Scherg M. **Electroencephalogr Clin Neurophysiol** 1982 Sep; 54(3):339–41

Concurrent occurrence of rapid eye movement with spindle burst during nocturnal sleep in mentally retarded children. Shibagaki M, et al. **Electroencephalogr Clin Neurophysiol** 1982 Jan;53(1):27–35

Cortical potentials associated with voluntary foot movement in man. Shibasaki H, et al. **Electroencephalogr Clin Neurophysiol** 1981 Dec; 52(6):507–16

Characteristics and origin of frontal paroxysmal responses induced by light stimulation in the Papio papio under allylglycine. Silva-Comte C, et al. **Electroencephalogr Clin Neurophysiol** 1982 May; 53(5):479–90

Spectral analysis of photic stimulation in migraine. Simon RH, et al. **Electroencephalogr Clin Neurophysiol** 1982 Mar; 53(3):270–6

Developmental comparison of sleep EEG power spectral patterns in infants at low and high risk for sudden death. Sterman MB, et al. **Electroencephalogr Clin Neurophysiol** 1982 Feb; 53(2):166–81

Specific and non-specific multiple unit activities during pentylenetetrazol seizures in animals with mesencephalic transections. Velasco F, et al. **Electroencephalogr Clin Neurophysiol** 1982 Mar; 53(3):289–97

Subcortical correlates of the auditory brain stem potentials in man: bipolar EEG and multiple unit activity and electrical stimulation. Velasco M, et al. **Electroencephalogr Clin Neurophysiol** 1982 Feb;

53(2):133–42
Spectral analysis of the electroencephalographic response in experimental concussion in the rat. West M, et al. **Electroencephalogr Clin Neurophysiol** 1982 Feb; 53(2):192–200
Scalp distribution of human auditory evoked potentials. II. Evidence for overlapping sources and involvement of auditory cortex. Wood CC, et al. **Electroencephalogr Clin Neurophysiol** 1982 Jul;54(1):25–38
Epileptiform activity in aphasia of childhood: an epiphenomenon? Holmes GL, et al. **Epilepsia** 1981 Dec; 22(6):631–9
Focal epileptic EEG discharges in children not suffering from clinical epilepsy: etiology, clinical significance, and management. Lerman P, et al. **Epilepsia** 1981 Oct; 22(5):551–8
Neuropathological findings following temporal lobectomy related to surface and deep EEG patterns. Lieb JP, et al. **Epilepsia** 1981 Oct;22(5):539–49
Surface and deep EEG correlates of surgical outcome in temporal lobe epilepsy. Lieb JP, et al. **Epilepsia** 1981 Oct; 22(5):515–38
Changes in intelligence following temporal lobectomy: relationship to EEG activity, seizure relief, and pathology. Lieb JP, et al. **Epilepsia** 1982 Feb;23(1):1–13
Absorption of diazepam from the rectum and its effect on interictal spikes in the EEG. Milligan N, et al. **Epilepsia** 1982 Jun;23(3):323–31
Partial epilepsy in childhood: clinical and EEG study of 261 cases. Scarpa P, et al. **Epilepsia** 1982 Jun;23(3):333–41
Quantification of slow-wave EEG induced by atropine: effects of physostigmine, amphetamine and haloperidol. Santucci V, et al. **Eur J Pharmacol** 1981 Jul 17; 73(2–3):113–22
Opiate-like electroencephalographic and behavioral effects of electroconvulsive shock in rats. Tortella FC, et al. **Eur J Pharmacol** 1981 Dec 3;76(2–3):121–8
Experimental basis for a neurophysiological understanding of hypnoid states. Barolin GS. **Eur Neurol** 1982 Jan–Feb; 21(1):59–64
EEG power and coherence during non-REM and REM phases in humans in all-night sleep analyses. Dumermuth G, et al. **Eur Neurol** 1981;20(6):429–34
Electroencephalographic and cranial computed tomographic findings in children with hemiplegic cerebral palsy. Ito M, et al. **Eur Neurol** 1981;20(4):312–8
Dentate granule cell discharge during conditioning. Relation to movement and theta rhythm. West MO, et al. **Exp Brain Res** 1981;44(3):287–94
Interaction of cortex and thalamus in spike and wave discharges of feline generalized penicillin epilepsy. Avoli M, et al. **Exp Neurol** 1982 Apr;76(1):196–217
Kindling in sensory systems: neocortex. Cain DP. **Exp Neurol** 1982 May;76(2):276–83
Fine-structure differences of unit firing patterns in penicillin-induced primary and secondary epileptogenic foci. Sherwin I. **Exp Neurol** 1982 May;76(2):263–75
Sparing of rhythmic slow activity (RSA or theta) in two hippocampal generators after kainic acid CA3 and CA4 lesions. Whishaw IQ, et al. **Exp Neurol** 1982 Mar; 75(3):711–28
Electroencephalographic effects of two short chain ACTH analogues. Tartara A, et al. **Farmaco [Sci]** 1981 Jun; 36(6):476–8
Clinico-electroencephalographic correlations in infants of mothers with toxicoses in late pregnancy. Chakova L, et al. **Folia Med (Plovdiv)** 1981;23(2):27–31
The effect of music on brain electrical activity and hemodynamics and on some vegetative parameters. Mitkov V, et al. **Folia Med (Plovdiv)** 1981;23(3–4):41–6
EEG study on the effect of anticonvulsant prophylaxis in enterovirus 71 induced morbid conditions. Zahariev ZI. **Folia Med (Plovdiv)** 1981;23(3–4):35–40
Slow negative potentials during problem-solving. Kadobayashi I, et al. **Folia Psychiatr Neurol Jpn** 1982; 36(1):53–8
Epileptic cases of late onset with the diffuse slow spike-wave. Kawai I, et al. **Folia Psychiatr Neurol Jpn** 1981;35(2):139–46
Eye movement as an indicator of brain function. Kojima T, et al. **Folia Psychiatr Neurol Jpn** 1981;35(4):425–35
Melancholia and excessive CNV recovery after nonresponse condition. Nakamura M, et al. **Folia Psychiatr Neurol Jpn** 1982;36(1):81–8
Epilepsy, migraine, and EEG abnormalities in children: a review and hypothesis. Jay GW. **Headache** 1982 May; 22(3):110–4
Temporal relationship of EEG abnormalities in migraine to headache and medication. Slevin JT, et al. **Headache** 1981 Nov;21(6):251–4
Frontal intermittent rhythmic delta activity. Impairment of consciousness and migraine. Walser H, et al. **Headache** 1982 Mar;22(2):74–80
Electroencephalographic manifestation of paired functions of the cerebral hemispheres. Zhirmunskaya EA, et al. **Hum Physiol** 1981 May–Jun;7(3):195–205
Location of sources of evoked scalp potentials: corrections for skull and scalp thicknesses. Ary JP, et al. **IEEE Trans Biomed Eng** 1981 Jun;28(6):447–52
Classification of cortical responses using features from single EEG records. Childers DG, et al. **IEEE Trans Biomed Eng** 1982 Jun;29(6):423–38
Spectral decomposition of EEG intervals using walsh and fourier transforms. Jansen BH, et al. **IEEE Trans Biomed Eng** 1981 Dec;28(12):836–8
Acute hemiconvulsive encephalopathy of childhood with prominent unilateral delta activity in the electroencephalogram. Markand ON. **Indian J Pediatr** 1981 Mar–Apr;48(391):137–48
Experimental spike and wave EEG pattern from thalamic stimulation in anaesthetized juvenile monkeys. David J, et al. **Indian J Physiol Pharmacol** 1981 Jul–Sep;25(3):201–8
Arrest reaction with concomitant spike and wave afterdischarge following thalamic stimulation in conscious juvenile monkeys with Al (OH)3 focal premotor lesions. David J, et al. **Indian J Physiol Pharmacol** 1981 Jul–Sep; 25(3):209–18
Monitoring the safe levels of hypotension. III. The role of electroencephalography. Blume WT. **Int Anesthesiol Clin** 1982 Summer;20(2):125–34
An investigation into EEG asymmetry in young children. Waterfall RC, et al. **Int J Biomed Comput** 1982 May; 13(3):199–212
Short-term longitudinal effects of the transcendental meditation technique on EEG power and coherence. Dillbeck MC, et al. **Int J Neurosci** 1981;14(3–4):147–51
EEG phase coherence, pure consciousness, creativity, and TM-–Sidhi experiences. Orme-Johnson DW, et al. **Int J Neurosci** 1981;13(4):211–7
Nocturnal electrographic features of frequently changing-irregular sleep-wakefulness rhythms. Taub JM. **Int J Neurosci** 1981;14(3–4):227–37
Comparative effects of diazepam and buspirone on subjective feelings, psychological tests and the EEG. Bond AJ, et al. **Int Pharmacopsychiatry** 1981;16(4):212–20
Brain death. Jennett B. **Intensive Care Med** 1982 Jan;8(1):1–3
Neurological and electroencephalographic abnormalities after febrile seizures. Possible association with cytomegalovirus. Iannetti P, et al. **Ital J Neurol Sci** 1981 May;2(2):153–7
The problem of subclinical localised paroxysmal rhythmic discharges (psychomotor variant discharges). Report of two cases. Maione R, et al. **Ital J Neurol Sci** 1981 Dec; 2(4):343–9
CT and EEG investigations in 100 patients with multiple sclerosis (MS). Quattrini A, et al. **Ital J Neurol Sci** 1981 Jan;2(1):25–34
EEG sleep in primary depression. A longitudinal placebo study. Coble PA, et al. **J Affective Disord** 1979 Jun; 1(2):131–8
Electroencephalogram in the septuagenarian: studies in a normal geriatric population. Katz RI, et al. **J Am Geriatr Soc** 1982 Apr;30(4):273–5
Changes in the sleep and waking EEGs of nondemented and demented elderly subjects. Prinz PN, et al. **J Am Geriatr Soc** 1982 Feb;30(2):86–93
The electroencephalogram, blood flow, and oxygen uptake in rabbit cerebrum. Pearce WJ, et al. **J Cereb Blood Flow Metab** 1981;1(4):419–28
Neurophysiological studies of sleep in infants and children. Anders TF. **J Child Psychol Psychiatry** 1982 Jan; 23(1):75–83
Utilization of factor analysis for the evaluation of ontogenetic and functional changes in the electrical activity of the brain. Pratusevich YuM, et al. **J Hyg Epidemiol Microbiol Immunol** 1981;25(3):259–69
Behavioral and electrocortical effects of beta-endorphin after intracerebral infusion in rats. Nisticò G, et al. **J Med** 1981; 12(6):463–74
An introduction to the coherence function and its use in EEG signal analysis. Shaw JC. **J Med Eng Technol** 1981 Nov; 5(6):279–88
Bilateral electrodermal habituation-dishabituation and resting EEG in remitted schizophrenics. Iacono WG. **J Nerv Ment Dis** 1982 Feb;170(2):91–101
Electroencephalographic sleep in unipolar depressive subtypes: support for a biological and familial classification. Kupfer DJ, et al. **J Nerv Ment Dis** 1982 Aug;170(8):494–8
Periodic ataxia: an unusual non-familial variation with paroxysmal EEG features. Braham J, et al. **J Neurol** 1982; 227(1):55–9
Simple tics in Gilles de la Tourette's syndrome are not prefaced by a normal premovement EEG potential. Obeso JA, et al. **J Neurol Neurosurg Psychiatry** 1981 Aug; 44(8):735–8
Subacute sclerosing panencephalitis: serial electroencephalographic studies. Wulff CH. **J Neurol Neurosurg Psychiatry** 1982 May;45(5):418–21
Methods for finding single generators, with application to auditory driving of the human EEG by complex stimuli. Rogers LJ, et al. **J Neurosci Methods** 1981 Oct;4(3):257–65
EEG findings in leukemia [letter] Ch'ien LT. **J Pediatr** 1981 Nov;99(5):827
Continuous monitoring of the electroencephalogram following perinatal asphyxia. Coen RW, et al. **J Pediatr** 1982 Apr;100(4):628–30
Differential electroencephalographic and behavioral cross tolerance to morphine and methadone in the l-alpha-acetylmethadol (LAAM)-maintained · rat. Lukas SE, et al. **J Pharmacol Exp Ther** 1982 Mar;220(3):561–7
Stochastic aspects of the generation of the electroencephalogram. Siegel A. **J Theor Biol** 1981 Oct 7;92(3):317–39
Neurometrics [letter] Flitter MA. **JAMA** 1982 Sep 17; 248(11):1308–9
Central action of bradykinin (I). Electroencephalogram of bradykinin and its degradation system in rat brain. Kariya K, et al. **Jpn J Pharmacol** 1981 Apr;31(2):261–7
Some examples for the possibilities and limitations of pharmacoelectroencephalography as a method in clinical pharmacology. Herrmann WM. **Methods Find Exp Clin Pharmacol** 1981;3 Suppl 1:55S–76S
Experimental electroencephalographic study of piracetam in cats. Nikolova M. **Methods Find Exp Clin Pharmacol** 1981 Nov–Dec;3(6):367–75
Chest pain and abnormal electrocardiogram associated with minoxidil. Bennion SD. **Milit Med** 1982 May;147(5):367–8
Automatic computerized investigation on EEG interictal spikes of human focal epilepsies. Angeleri F, et al. **Monogr Neural Sci** 1981;5:63–73
Neurometric evaluation of epileptic children who do well and poorly in school. John ER, et al. **Monogr Neural Sci** 1981;5:46–55
Spectral analysis of the interictal EEG activity with Berg-Fourier analyzer in kindled cats. Majkowski J, et al. **Monogr Neural Sci** 1981;5:82–8
On the problem of nonepileptic drop attacks. Müller D. **Monogr Neural Sci** 1981;5:298–300
Aicardi's syndrome: clinical and electroencephalographic observations on two cases. Paolozzi C, et al. **Monogr Neural Sci** 1981;5:290–4
The value of electroencephalography and ocular pneumoplethysmography in carotid shunting. Moll FL, et al. **Neth J Surg** 1982 May;34(2):53–6
Electroencephalographic map – a new computer processing method for diagnosis in clinical and experimental neurophysiology. Poliac M, et al. **Neurol Psychiatr (Bucur)** 1981 Oct–Dec;19(4):289–302
Electroencephalographic studies on hepato-cerebral degeneration. Popoviciu L, et al. **Neurol Psychiatr (Bucur)** 1981 Apr–Jun;19(2):125–33
Similarities and dissimilarities in the waking EEG of three types of mental retardation. Psatta DM, et al. **Neurol Psychiatr (Bucur)** 1981 Jul–Sep;19(3):183–96
A study of periodicity and rhythmicity of the Radermecker-type complexes. Tudosie M, et al. **Neurol Psychiatr (Bucur)** 1982 Jan–Mar;20(1):53–65
Sleep and temporal lobe epilepsy: a case study with depth electrodes. Montplaisir J, et al. **Neurology (NY)** 1981 Oct; 31(10):1352–6
Phenobarbital therapy in neonatal seizures and the prognostic value of the EEG. Staudt F, et al. **Neuropediatrics** 1982 Feb;13(1):24–33
Neurophysiological study of newborns with hypocalcemia. Watanabe K, et al. **Neuropediatrics** 1982 Feb;13(1):34–8
Effects of intraventricular injection of bradykinin on the EEG and the blood pressure in conscious rats. Kariya K, et al. **Neuropharmacology** 1981 Dec;20(12A):1221–4
Effects of chronic treatment with imipramine on the behavioural and electroencephalographic modifications induced by clonidine in the rat. Passarelli F, et al. **Neuropharmacology** 1982 Jun;21(6):591–3
An investigation of the relationship between the dopaminergic and electroencephalographic effects of gamma-butyrolactone. Snead OC 3d. **Neuropharmacology** 1982 Jun;21(6):539–43
Interhemispheric EEG interactions during voluntary movement. Inouye T, et al. **Neuropsychologia** 1982; 20(2):219–24
Spatial abilities, sex differences and EEG functioning. Ray WJ, et al. **Neuropsychologia** 1981;19(5):719–22
Effect of serotonin injected into the amygdala on conditioned and unconditioned food reflexes and the EEG in cats. Gasanov GG, et al. **Neurosci Behav Physiol** 1981 May–Jun; 11(3):207–12
EEG biofeedback: physiological behavior modification. Sterman MB. **Neurosci Biobehav Rev** 1981 Fall;5(3):405–12
Radioautographic analysis of [14C]2-deoxyglucose uptake in hippocampal formation of the rat during physostigmine-induced theta. Monmaur P, et al. **Neurosci Lett** 1982 Mar 5;28(3):229–34
Terbutaline-induced changes in ovine, fetal and maternal hemodynamics, and fetal electroencephalogram. Ayromlooi J, et al. **Pediatr Pharmacol (New York)** 1981; 1(4):321–30
Power spectral analysis of the neonatal primate electroencephalogram during acute hypoxemia. Guthrie RD, et al. **Pediatr Res** 1982 Jan;16(1):30–4
Note on the EEG orienting response in children. Bryan JW. **Percept Mot Skills** 1982 Apr;54(2):675–7
Spontaneous EEG correlates of intellectual functioning in talented and handicapped adolescents. Fischer DG, et al. **Percept Mot Skills** 1982 Jun;54(3):751–62
Effect of brain serotonin level on induced hippocampal paroxysmal activity in rats. Cavalheiro EA, et al. **Pharmacol Biochem Behav** 1981 Sep;15(3):363–6
Inverse relationship between onset and duration of EEG effects of six peripherally administered peptides. Millet LH, et al. **Pharmacol Biochem Behav** 1981 Dec;15(6):845–8
Guidelines for pharmaco-EEG studies in man. Expert group, organized of the Federal Health Office, Institute for Drugs, Berlin (West), Germany. **Pharmacopsychiatria** 1982 May; 15(3):107–8
Relationship between EEG dynamics and pharmacokinetics of the benzodiazepine lormetazepam. Kurowski M, et al. **Pharmacopsychiatria** 1982 May;15(3):77–83
The use of sodium pentobarbital for the study of

immobility-related (Type 2) hippocampal theta. Bland BH, et al. **Physiol Behav** 1981 Aug;27(2):363–8

Evoked potentials and concept formation in man. Grinberg-Zylberbaum J, et al. **Physiol Behav** 1981 Oct; 27(4):749–51

Hippocampal theta rhythms from CA1 and dentate generators during paradoxical sleep of the rat: differential alterations after septal lesion. Monmaur P. **Physiol Behav** 1982 Mar;28(3):467–71

Electroencephalograms, electrocardiograms, and blood pressure of seizure-prone chicks (Gallus domesticus). Rhody JL, et al. **Physiol Behav** 1981 Jun;26(6):1007–11

The effects of selective septal lesions on theta production in CA1 and the dentate gyrus of the hippocampus. Sainsbury RS, et al. **Physiol Behav** 1981 Jun;26(6):1097–101

Antiandrogenic effects of cyproterone acetate and chloromadinone acetate on the rat hypothalamus as revealed by electroencephalographic responses. Kaur C, et al. **Physiol Bohemoslov** 1981;30(4):365–73

Low power microwave effects on the human electroencephalogram: supporting results of Bise. Stocklin PL, et al. **Physiol Chem Phys** 1981;13(2):175–7

Diagnosis of narcolepsy using a 24-hour portable recorder. Riley TL, et al. **Postgrad Med** 1982 Jul;72(1):142–3, 146

Evaluation of neurologic dysfunction in children with chronic renal disease by neurometrics. Polinsky M, et al. **Proc Clin Dial Transplant Forum** 1980;10:299–301

Neurophysiological abnormalities in uraemic encephalopathy. Albertazzi A, et al. **Proc Eur Dial Transplant Assoc** 1981;18:652–7

Assessing the adequacy of dialysis. Teschan PE, et al. **Proc Eur Dial Transplant Assoc** 1981;18:697–705

Theoretical and practical importance of plasma levels of haloperidol. Correlations with clinical and computerized EEG data. De Buck RP, et al. **Prog Neuropsychopharmacol** 1981;5(5–6):499–502

Changes in physiological, EEG and psychological parameters in women during the spontaneous menstrual cycle and following oral contraceptives. Becker D, et al. **Psychoneuroendocrinology** 1982;7(1):75–90

Electroencephalographic correlates of ECT. Weiner RD. **Psychopharmacol Bull** 1982 Apr;18(2):78–81

The influence of some neurotransmitter agonists and antagonists on the response of hippocampal units and the cortical EEG to ethanol in the awake rat. Grupp LA. **Psychopharmacology (Berlin)** 1981;75(4):327–34

Patterns of feedback EEG response and control in depressed patient. Danesino A, et al. **Psychophysiology** 1982 Jan; 19(1):71–4

P300 and uncertainty reduction in a concept-identification task. De Swart JH, et al. **Psychophysiology** 1981 Nov; 18(6):619–29

Computer measures of sleep EEG reliably sort visual stage 2 epochs by NREM period of origin. Fein G, et al. **Psychophysiology** 1981 Nov;18(6):686–93

Event-related potentials and auditory signal detection: their diurnal variation for morning-type and evening-type subjects. Kerkhof GA. **Psychophysiology** 1982 Jan; 19(1):94–103

The effects of slow cortical potentials on response speed. Rockstroh B, et al. **Psychophysiology** 1982 Mar;19(2):211–7

Controlled electroencephalographic investigation of patients with neurotic excoriations. Fruensgaard K, et al. **Psychother Psychosom** 1980;34(4):273–81

Regional cerebral blood flow and EEG in organic dementia. A brief review. Ingvar DH, et al. **Rev Electroencephalogr Neurophysiol Clin** 1981 Jul-Sep; 10(3):270–5

The electro-encephalogram in clinical practice. Murdoch BD. **S Afr Med J** 1982 Jan 30;61(5):158–60

The benefits of open-heart surgery as reflected in the EEG. Sotaniemi KA. **Scand J Thorac Cardiovasc Surg** 1981; 15(2):205–12

Characteristics of spindle activity and their use in evaluation of hypnotics. Azumi K, et al. **Sleep** 1982;5(1):95–105

Development of sleep spindle bursts during the first year of life. Ellingson RJ. **Sleep** 1982;5(1):39–46

Sleep spindles: pharmacological effects in humans. Hirshkowitz M, et al. **Sleep** 1982;5(1):85–94

Dynamic relation of sleep spindles and K-complexes to spontaneous phasic arousal in sleeping human subjects. Naitoh P, et al. **Sleep** 1982;5(1):58–72

Spindle evolution in normal and mentally retarded children: a review. Shibagaki M, et al. **Sleep** 1982;5(1):47–57

Intraoperative electroencephalographic monitoring: an indicator of shunt function. Brown OW, et al. **South Med J** 1982 May;75(5):637–8

Assessment of a clinical and electroencephalographic classification of epileptic patients and its clinical correlation to the findings of computer tomography. Hsi MS, et al. **Taiwan I Hsueh Hui Tsa Chih** 1981 May;80(5):493–9

Quantitative EEG and behavioral effects in volunteers of a new benzodiazepine (SAS 643) in relation to drug plasma concentration. Sannita WG, et al. **Ther Drug Monit** 1981; 3(4):341–9

The calcium carbimide-ethanol interaction: lack of relation between electroencephalographic response and cerebrospinal fluid acetaldehyde. Hillbom ME, et al. **Toxicol Lett** 1981 Oct;9(2):113–9

Sub-acute toxicity of hexachlorobenzene in female beagles, including electroencephalographic changes. Sundlof SM, et al. **Vet Hum Toxicol** 1981 Apr;23(2):92–6

[Clinico-electroencephalographic studies on multiple sclerosis (author's transl)] Feng YK. **Chung Kuo I Hsueh Ko Hsueh Yuan Hsueh Pao** 1981 Jun; 3(2):100–5 (Eng. Abstr.) **(Chi)**

[Effects of anisodine on EEG and behavior of cats (author's transl)] Peng JZ, et al. **Chung Kuo Yao Li Hsueh Pao** 1982 Jun;3(2):78–81 (Eng. Abstr.) **(Chi)**

[Vigilance, nonREM and REM sleep, and epileptic seizure. Four states or systems: formator-complex (author's transl)] Faber J, et al. **Cas Lek Cesk** 1981 Nov 5;120(44):1338–44 (Eng. Abstr.) **(Cze)**

[Inconsistent findings between electroencephalography and computerized axial tomography (author's transl)] Seidl Z, et al. **Cas Lek Cesk** 1982 Feb 12;121(6):167–9 (Eng. Abstr.) **(Cze)**

[Development of electrical activity in the central nervous system in central hypotonic syndromes of various cerebral and cerebellar disorders] Rössler M, et al. **Cesk Neurol Neurochir** 1981 Jul;44(4):266–71 (Eng. Abstr.) **(Cze)**

[Activating effect of sleep deprivation on paroxysmal activity in various types of epilepsy] Zouhar A, et al. **Cesk Neurol Neurochir** 1981 Jul;44(4):210–6 (Eng. Abstr.) **(Cze)**

[Somatic, laboratory and EEG findings in anorexia nervosa] Paclt I. **Cesk Pediatr** 1981 Nov;36(11):663–4 **(Cze)**

[Primary and secondary causes of petit mal epilepsy] Fiedlerová D, et al. **Sb Ved Pr Lek Fak Univ Karlovy [Suppl]** 1981;24(3):313–20 (Eng. Abstr.) **(Cze)**

[Changes in paroxysmal activity in the EEG during valproate (Deprakine, Orfiril) therapy] Gulmann NC, et al. **Ugeskr Laeger** 1981 Aug 3;143(32):2035–6 (Eng. Abstr.) **(Dan)**

[Benign epilepsy with occipital spike waves in children] Gastaut H. **Bull Mem Acad R Med Belg** 1981 Nov 28; 136(11):540–55 (Eng. Abstr.) **(Fre)**

[Quantitative EEG in depression (author's transl)] Badr G, et al. **Encephale** 1981;7(4 Suppl):421–7 (Eng. Abstr.) **(Fre)**

[Discriminant analysis of graphic elements of the EEG. Application to the detection of episodes of diffuse spike-waves] Pinon JM, et al. **Int J Biomed Comput** 1982 May;13(3):237–61 (Eng. Abstr.) **(Fre)**

[Two forerunners of the encephalopathy of hemodialysed patients : osteomalacic osteodystrophy and electroencephalographic alterations. Influence of the aluminium concentration in the dialysis fluid (author's transl)] Vecchierini-Blineau MF, et al. **Nephrologie** 1980; 1(1):29–32 (Eng. Abstr.) **(Fre)**

[Correlations between E.E.G. spectral and plasma prolactin levels in elderly subjects (author's transl)] Agnoli A, et al. **Rev Electroencephalogr Neurophysiol Clin** 1981 Jul-Sep; 10(3):242–8 (Eng. Abstr.) **(Fre)**

[Spatio-temporal organisation of EEG during sleep induction and awakening (author's transl)] Banquet JP. **Rev Electroencephalogr Neurophysiol Clin** 1981 Sep; 11(1):68–74 (Eng. Abstr.) **(Fre)**

[Spatio-temporal organisation of EEG in sleep stages (author's transl)] Banquet JP. **Rev Electroencephalogr Neurophysiol Clin** 1981 Sep; 11(1):75–81 (Eng. Abstr.) **(Fre)**

[Factor analysis of EEG and polygraphic data during sleep onset in children (author's transl)] Burger D, et al. **Rev Electroencephalogr Neurophysiol Clin** 1981 Sep; 11(1):59–67 (Eng. Abstr.) **(Fre)**

[Comparative study of changes in electroencephalographic and rheoencephalographic recordings with advancing age (author's transl)] Dekoninck W, et al. **Rev Electroencephaiogr Neurophysiol Clin** 1981 Jul-Sep; 10(3):236–41 (Eng. Abstr.) **(Fre)**

[The mu rhythm of the vertex and its reactivity: an infrequent observation (author's transl)] Farnarier G, et al. **Rev Electroencephalogr Neurophysiol Clin** 1980 Oct-Dec; 10(4):357–65 (Eng. Abstr.) **(Fre)**

[Variations in temporal relationships between electroencephalogram and muscular jerks. Polygraphic study of a case of subacute sclerosing panencephalitis (author's transl)] Feuerstein J, et al. **Rev Electroencephalogr Neurophysiol Clin** 1982 Apr; 12(1):26–31 (27 ref.) (Eng. Abstr.) **(Fre)**

[Comparison of the waking EEG with the subjective impressions of the waking individual (author's trans)] Hedouin M, et al. **Rev Electroencephalogr Neurophysiol Clin** 1981 Sep; 11(1):110–5 (Eng. Abstr.) **(Fre)**

[Multivariate correspondence analysis of a visually screened EEG. Application to a study of psychotropic drugs compared with placebos (author's transl)] Isik E, et al. **Rev Electroencephalogr Neurophysiol Clin** 1982 Apr; 12(1):86–95 (19 ref.) (Eng. Abstr.) **(Fre)**

[Epileptics with EEG independent multifocal spike discharges (author's transl)] Loiseau P, et al. **Rev Electroencephalogr Neurophysiol Clin** 1981 Nov; 11(2):259–66 (Eng. Abstr.) **(Fre)**

[Critical follow-up study of subjects with senile plaques: neuropathological, clinical, and electroencephalographic data (author's transl)] Michaud P, et al. **Rev Electroencephalogr Neurophysiol Clin** 1981 Jul-Sep; 10(3):259–69 (Eng. Abstr.) **(Fre)**

[Correlations between E.E.G. findings and intracranial pressure (ICP) during treatment of acute post-traumatic intracranial hypertension (preliminary report) (author's transl)] Munari C, et al. **Rev Electroencephalogr Neurophysiol Clin** 1980 Oct-Dec; 10(4):319–30 (Eng. Abstr.) **(Fre)**

[Anesthesia with pure enflurane in children: an electroencephalographic study (author's transl)] Plouin P, et al. **Rev Electroencephalogr Neurophysiol Clin** 1980 Oct-Dec;10(4):393–9 (Eng. Abstr.) **(Fre)**

[EEG appearance during waking and falling asleep in children aged 1–4 years (without serious pathology)(author's transl)] Plouin P, et al. **Rev Electroencephalogr Neurophysiol Clin** 1981 Sep; 11(1):45–50 (Eng. Abstr.) **(Fre)**

[EEG sleep activity in a phenylketonuric child of the 'new variant' type, before and after treatment with 5-HTP and L-DOPA (author's transl)] Salomon F, et al. **Rev Electroencephalogr Neurophysiol Clin** 1981 Nov; 11(2):212–7 (Eng. Abstr.) **(Fre)**

[EEG recording during drowsiness in normal babies aged 2 to 12 months (author's transl)] Samson-Dollfus D, et al. **Rev Electroencephalogr Neurophysiol Clin** 1981 Sep; 11(1):23–7 (Eng. Abstr.) **(Fre)**

[Value of quantitative serial EEG analysis during supervision of evolutive cerebral diseases (author's transl)] Schneider J, et al. **Rev Electroencephalogr Neurophysiol Clin** 1981 Nov;11(2):245–52 (Eng. Abstr.) **(Fre)**

[Electroencephalographic studies in phacomatosis (author's transl)] Van Sweden B, et al. **Rev Electroencephalogr Neurophysiol Clin** 1980 Oct-Dec; 10(4):299–318 (124 ref.) (Eng. Abstr.) **(Fre)**

[Herpes simplex encephalitis in neuro-surgery. Electro-encephalographic contribution to early diagnosis (author's transl)] Gaches J, et al. **Sem Hop Paris** 1982 Mar 25;58(12):748–53 (Eng. Abstr.) **(Fre)**

[Analysis of the efficacy of EEG after maprotiline administration] Libiger J, et al. **Act Nerv Super (Praha)** 1982 May;24(2):106–11 **(Ger)**

[Effects of carbamazepine on EEG. Neuroendocrinological and psychometric examinations (author's transl)] Clarenbach P, et al. **Arch Psychiatr Nervenkr** 1981; 230(3):197–207 (Eng. Abstr.) **(Ger)**

[The EEG of patients with acute manic psychoses before, during and after treatment with high doses of d-propranolol and dl-propranolol (author's transl)] Coulin K, et al. **Arch Psychiatr Nervenkr** 1982;231(4):323–31 (Eng. Abstr.) **(Ger)**

[Neurological, psychomotor and electroencephalographic findings in patients suffering from primary and secondary hypoparathyroidism and idiopathic calcification of the basal ganglia (author's transl)] Hubener K, et al. **Nervenarzt** 1982 Jun;53(6):308–17 **(Ger)**

[Association between E.E.G. and C.A.T. findings following head injury (author's transl)] Koufen H, et al. **Nervenarzt** 1981 Nov;52(11):655–9 **(Ger)**

[Results of an electroencephalographic cross-sectional study of 2- to 4-year-old children after risk-birth in comparison with to normal-birth children of the same age] Klepel H, et al. **Psychiatr Neurol Med Psychol (Leipz)** 1981 Jul; 33(7):417–22 (Eng. Abstr.) **(Ger)**

[Electroencephalographic studies on a dimenhydrinate in a chewing-gum for motion sickness] Reimann HJ, et al. **Ther Ggw** 1981 Sep;120(9):837–44 **(Ger)**

[Recommendations for the evaluation and interpretation of electrocardiograms of adolescents and adults. Brief programmed course. 6. Partial program II: Morphology, time variables and amplitude variables (3) demonstration of selected electrocardiograms] Assmann I, et al. **Z Arztl Fortbild (Jena)** 1982 May 1;76(9):403–11 **(Ger)**

[The value of EEG for the medical evaluation of fitness in traffic] Lietz S. **Z Arztl Fortbild (Jena)** 1981 Dec 1; 75(23):1093–5 **(Ger)**

[Comparison of different stimulation procedures of the calculation of so-called sinoatrial conduction time] Volkmann H, et al. **Z Gesamte Inn Med** 1981 Jul 1; 36(13):449–54 (Eng. Abstr.) **(Ger)**

[Periodic and pseudoperiodic paroxysmal EEG discharges] Cohn DF, et al. **Harefuah** 1980 Dec 1;99(11):353–6 (Eng. Abstr.) **(Heb)**

[Epileptic EEG discharges without clinical entity] Lerman P. **Harefuah** 1982 Jan 15;102(2):53–5 (Eng. Abstr.) **(Heb)**

[A case of Creutzfeldt-Jakob disease. Electroencephalographic and immunobiological aspects] Caputo D, et al. **Minerva Med** 1982 Feb 11;73(5):199–206 (Eng. Abstr.) **(Ita)**

[Spectrum analysis of the electroencephalogram during electrohypoalgesia (combined with electroacupuncture) and pharmacological anesthesia] Caracausi SR, et al. **Minerva Med** 1981 Sep 15;72(33):2209–14 (Eng. Abstr.) **(Ita)**

[Electroencephalographic changes in multiple sclerosis] Ghezzi A, et al. **Minerva Med** 1982 Sep 8;73(34):2189–91 (Eng. Abstr.) **(Ita)**

[Behavior of the electroencephalographic examination in the acute period and in the follow-up of purulent meningitis in children] Nurchi AM, et al. **Minerva Pediatr** 1981 Sep 30;33(18):891–6 (Eng. Abstr.) **(Ita)**

[Value of the electroencephalogram in newborn infants with neurological risk without convulsive phenomena] Della Giustina E, et al. **Pediatr Med Chir** 1981 Sep-Oct; 3(5):391–6 (14 ref.) **(Ita)**

[Diagnostic contribution of the electroencephalogram in the

premature infant: personal casuistry (author's transl)] Ferrari F. **Pediatr Med Chir** 1981 Nov–Dec;3(6):495–505 (Eng. Abstr.) **(Ita)**

[Electroencephalographic findings in patients subjected to endarterectomy for obstruction of the internal carotid] Garello L, et al. **Riv Neurobiol** 1981 Jan–Mar;27(1):140–50 (Eng. Abstr.) **(Ita)**

[Electroencephalographic monitoring of carotid surgery] Infuso L, et al. **Riv Neurobiol** 1981 Jan–Mar;27(1):97–104 **(Ita)**

[Neurologic complications of acute viral hepatitis. Electroencephalographic and biohumoral aspects] Battistella PA, et al. **Riv Neurol** 1982 Mar–Apr;52(2):83–96 **(Ita)**

[Studies on physiological changes due to prolonged standing posture (author's transl)] Sugawara M. **Hokkaido Igaku Zasshi** 1981 May;56(3):267–80 (Eng. Abstr.) **(Jpn)**

[Effects of diazepam and thiamylal on reticular multi–unit activity, visual evoked responses, EEG and arterial blood pressure in rabbits (author's transl)] Ueda Y. **Nippon Geka Hokan** 1980 Sep 1;49(5):595–607 (Eng. Abstr.) **(Jpn)**

[The responses of EEGs of healthy adults to periodic somatosensory stimulation (author's transl)] Miyamoto H. **Nippon Ika Daigaku Zasshi** 1982 Apr;49(2):159–70 (Eng. Abstr.) **(Jpn)**

[Correlation of automated frequency analysis of electroencephalogram and various biochemical factors on hepatic encephalopathy (author's transl)] Matsumoto H. **Nippon Shokakibyo Gakkai Zasshi** 1981 Dec 1; 78(12):2357–66 (Eng. Abstr.) **(Jpn)**

[Behavioral and electroencephalographic effects of alprazolam and its metabolites (author's transl)] Ueki S, et al. **Nippon Yakurigaku Zasshi** 1981 May;77(5):483–509 (Eng. Abstr.) **(Jpn)**

[An autopsy case of Alzheimer's disease accompanied with periodic synchronous discharge and myoclonus (author's transl)] Miyanaga K, et al. **Rinsho Shinkeigaku** 1982 Feb; 22(2):128–34 (Eng. Abstr.) **(Jpn)**

[Four cases of carbon monoxide poisoning treated with oxygen at high atmospheric pressure. Ameliorating process and longitudinal electroencephalographic findings (author's transl)] Kato H, et al. **Seishin Shinkeigaku Zasshi** 1980; 82(7):393–406 (Eng. Abstr.) **(Jpn)**

[A case of complete recovery from the interval form of carbon monoxide poisoning with apallic syndrome treated with oxygen under high pressure and its EEG findings (author's transl)] Kawasaki T, et al. **Seishin Shinkeigaku Zasshi** 1982;84(2):77–84 (Eng. Abstr.) **(Jpn)**

[Prophylactic inoculations and seizure activity in the EEG] Ciżewska S, et al. **Neurol Neurochir Pol** 1981 Sep–Dec; 15(5–6):553–7 (Eng. Abstr.) **(Pol)**

[Electroencephalographic studies in thrombosis of extracranial arteries] Dąbrowska K. **Neurol Neurochir Pol** 1981 May–Jun;15(3):265–70 (Eng. Abstr.) **(Pol)**

[Effect of physical exertion on seizure discharges in the EEG of epilepsy patients] Horyd W, et al. **Neurol Neurochir Pol** 1981 Sep–Dec;15(5–6):545–52 (Eng. Abstr.) **(Pol)**

[EEG changes in children with acute leukemia: clinico–hematological correlations] Sidor K, et al. **Pediatr Pol** 1981 Sep;56(9):1039–46 (Eng. Abstr.) **(Pol)**

[Changes in the bioelectrical activity of the brain in children with acute leukemia] Sroczyńska M, et al. **Pediatr Pol** 1981 Sep;56(9):1047–52 (Eng. Abstr.) **(Pol)**

[Cerebral bioelectric activity and urinary catecholamine elimination in thermal stress in children] Stratone A, et al. **Rev Med Chir Soc Med Nat Iasi** 1981;85(1):113–6 (Eng. Abstr.) **(Rum)**

[Changes in the bioelectric activity of the brain during electroacupuncture] Beloiartsev FF, et al. **Anesteziol Reanimatol** 1982 Mar–Apr;(2):13–5 **(Rus)**

[Simple means of computed evaluation of human EEG potentials] Shimoliunas A. **Biofizika** 1981 Sep–Oct; 26(5):894–6 (Eng. Abstr.) **(Rus)**

[Depth contours of the electrocorticogram] Zhadin MN. **Biofizika** 1981 Sep–Oct;26(5):864–70 (Eng. Abstr.) **(Rus)**

[Electroencephalographic correlates of the accuracy of the human reproduction of the time interval] Fonsova NA, et al. **Biol Nauki** 1981;(12):51–4 **(Rus)**

[Intracerebral pressure and the EEG following graded changes in cerebrospinal fluid volume] Sirovskii EB, et al. **Biull Eksp Biol Med** 1981 Jun;91(6):661–3 (Eng. Abstr.) **(Rus)**

[Role of the reticular nucleus of the thalamus in synchronizing the electrical activity of the cerebral cortex] Voloshin MIa, et al. **Fiziol Zh** 1981 Jul–Aug;27(4):459–64 (Eng. Abstr.) **(Rus)**

[Effect of acute hypoxia on the EEG and neuronal pulse activity of various brain structures in rats] Akopian NS, et al. **Fiziol Zh SSSR** 1982 May;68(5):576–82 (Eng. Abstr.) **(Rus)**

[Analysis of the cortical EEG spectral characteristics in activation of the serotonin–reactive structures of the neocortex] Mamedov ZG, et al. **Fiziol Zh SSSR** 1982 May; 68(5):705–8 **(Rus)**

[Rhythmic activity of the brain induced by the local administration of carbocholine into the subcortical nuclei] Oleshko NN, et al. **Fiziol Zh SSSR** 1982 May;68(5):569–75 **(Rus)**

[Statistical structure of the interaction of EEG rhythms and individual properties of cerebral autoregulatory mechanisms] Soroko SI, et al. **Fiziol Zh SSSR** 1981 Dec; 67(12):1765–73 (Eng. Abstr.) **(Rus)**

[Assessment of the mental work capacity of schoolchildren by the EEG] Pratusevich IuM, et al. **Gig Sanit** 1981 Jul; (7):24–7 (Eng. Abstr.) **(Rus)**

[Clinico–electroencephalographic characteristics of micromercurialism] Antoniuzhenko VA, et al. **Gig Tr Prof Zabol** 1982 May;(5):34–8 (Eng. Abstr.) **(Rus)**

[EEG dynamics in the hemosorption treatment of cholestasis complicated by hepatocerebral insufficiency] Ender LA, et al. **Sov Med** 1981;(4):50–5 (Eng. Abstr.) **(Rus)**

[Electroencephalographic correlates of functional asymmetry of the cerebral hemispheres in man] Zhirmunskaia EA, et al. **Usp Fiziol Nauk** 1982 Jan–Mar;13(1):42–65 **(Rus)**

[Electroencephalographic characteristics of acute stroke] Zhirmunskaia EA, et al. **Voen Med Zh** 1981 Dec;(12):42–5 **(Rus)**

[Dynamics of integral parameters of the background EEG during treatment with neuroleptics] Bochkarev VK, et al. **Zh Nevropatol Psikhiatr** 1982;82(2):258–64 (Eng. Abstr.) **(Rus)**

[Electroencephalographic profile and dynamics of individual changes in the EEG of paranoid schizophrenics during treatment with aminazine (clinico–electroencephalographic correlation)] Bochkarov VK, et al. **Zh Nevropatol Psikhiatr** 1981;81(8):1192–9 (Eng. Abstr.) **(Rus)**

[Correlations between biological and clinical indices in children with intellectual deficiencies] Ermolina LA, et al. **Zh Nevropatol Psikhiatr** 1982;82(3):59–62 (Eng. Abstr.) **(Rus)**

[Compressed spectral EEG analysis in patients with consciousness disorders complicating stroke] Fedin AI. **Zh Nevropatol Psikhiatr** 1981;81(9):1337–42 (Eng. Abstr.) **(Rus)**

[Sleep disorders in the Unverricht–Lundborg myoclonic epilepsy syndrome] Iakhno NN. **Zh Nevropatol Psikhiatr** 1982;82(6):66–73 (Eng. Abstr.) **(Rus)**

[Clinico–electrophysiologic correlations in epilepsy with primarily generalized peak–wave phenomena on the EEG] Karlov VA, et al. **Zh Nevropatol Psikhiatr** 1982;82(6):10–4 **(Rus)**

[Characteristics of the EEG and systemic activity in classical phenylketonuria] Lastochkina NA. **Zh Nevropatol Psikhiatr** 1981;81(11):1684–90 (Eng. Abstr.) **(Rus)**

[Paroxysmal EEG disorders in various forms of schizophrenia among children and adolescents] Leibovich FA, et al. **Zh Nevropatol Psikhiatr** 1982;82(1):86–91 (Eng. Abstr.) **(Rus)**

[Various achievements of modern neurophysiology in the area of psychiatry (review of the foreign literature)] Paniushkina SV. **Zh Nevropatol Psikhiatr** 1981; 81(8):1229–32 (46 ref.) **(Rus)**

[Algorhythm for EEG description for use in clinical practice and disability evaluation] Povorinskii AG, et al. **Zh Nevropatol Psikhiatr** 1981;81(8):1130–3 (Eng. Abstr.) **(Rus)**

[Rheo– and electroencephalographic studies in transient cerebral circulatory disorders] Raichev IR. **Zh Nevropatol Psikhiatr** 1982;82(1):52–5 (Eng. Abstr.) **(Rus)**

[Electrocortico– and electrosubcorticographic correlates of temporal epilepsy seizures] Savchenko IuN, et al. **Zh Nevropatol Psikhiatr** 1981;81(6):859–65 (Eng. Abstr.) **(Rus)**

[Study of the associative activity of schizophrenic patients by the technic of remote synchronization of cortical biopotentials] Sviderskaia NE, et al. **Zh Nevropatol Psikhiatr** 1982;82(5):76–82 (Eng. Abstr.) **(Rus)**

[Informational significance of the dynamics of slow electrical processes in craniocerebral injuries] Trokhachev AI, et al. **Zh Nevropatol Psikhiatr** 1982;82(5):23–6 (Eng. Abstr.) **(Rus)**

[Value of electroencephalography in the differential diagnosis of temporal and hypothalamic paroxysms] Zaboloinykh VA, et al. **Zh Nevropatol Psikhiatr** 1981;81(12):1772–7 (Eng. Abstr.) **(Rus)**

[Response of cerebral bioelectrical activity to changes in the cerebrospinal fluid pressure of neurooncologic patients] Sivorovskii EB, et al. **Zh Vopr Neirokhir** 1981 Jul–Aug; (4):46–52 (Eng. Abstr.) **(Rus)**

[Electroencephalographic correlates of differentiating verbal stimuli during natural human nighttime sleep] Arons EK, et al. **Zh Vyssh Nerv Deiat** 1981 Jul–Aug;31(4):839–41 **(Rus)**

[Significance of theta–rhythm phases for excitatory transmission in the cerebral cortex] Balashova AN, et al. **Zh Vyssh Nerv Deiat** 1981 May–Jun;31(3):616–22 (Eng. Abstr.) **(Rus)**

[Spectral–correlation analysis of high–frequency EEG components of the rabbit cerebral cortex during orienting and defensive responses] Efremova TM, et al. **Zh Vyssh Nerv Deiat** 1981 Nov–Dec;31(6):1207–16 (Eng. Abstr.) **(Rus)**

[Dynamics of the cortical EEG during successive inhibition of a conditioned response to cues of a different sensory modality] Kogan EA. **Zh Vyssh Nerv Deiat** 1981 Nov–Dec; 31(6):1298–1300 **(Rus)**

[EEG correlates of the functional organization of damaged cat brain following restoration of conditioned activity] Mordvinov EF. **Zh Vyssh Nerv Deiat** 1981 Sep–Oct; 31(5):940–9 (Eng. Abstr.) **(Rus)**

[Features of the spatial organization of cerebral electrical activity in children during the 1st month of life] Posikera IN, et al. **Zh Vyssh Nerv Deiat** 1982 Jan–Feb;32(1):165–7 **(Rus)**

[Spectral analysis of the EEG and intracortical connections in the presence of a pathologic focus at different levels of the human brain] Rusinov VS, et al. **Zh Vyssh Nerv Deiat** 1981 Sep–Oct;31(5):984–93 (Eng. Abstr.) **(Rus)**

[Intrahemispheric correlations among EEG slow–wave components in patients with focal brain lesions] Sharova EV, et al. **Zh Vyssh Nerv Deiat** 1982 May–Jun;32(3):546–8 **(Rus)**

[Effect of stimulation of the acetylcholinergic system of the caudate nucleus on EEG indices of feeding behavior in the cat] Shugalev NP. **Zh Vyssh Nerv Deiat** 1982 May–Jun; 32(3):411–6 (Eng. Abstr.) **(Rus)**

[Changes in the spatial synchronization of the cerebral cortex in mice after elaboration of a defensive conditioned reflex] Uteshev VK, et al. **Zh Vyssh Nerv Deiat** 1982 Jan–Feb; 32(1):175–7 **(Rus)**

[EEG evaluation of mental stress] Volkova IM, et al. **Zh Vyssh Nerv Deiat** 1981 Sep–Oct;31(5):1071–5 **(Rus)**

[Correlation between EEG driving responses and defensive conditioned reflex dynamics in the rabbit] Vorob'ev VV, et al. **Zh Vyssh Nerv Deiat** 1982 Mar–Apr;32(2):330–2 **(Rus)**

[Generalized and focal paroxysmal findings in the EEG without seizure manifestations] González Anido L, et al. **Actas Luso Esp Neurol Psiquiatr** 1981 Jul–Aug;9(4):263–6 (Eng. Abstr.) **(Spa)**

[Syndromic diversities in Creutzfeldt–Jakob disease: neurophysiological and histopathological correlates] Ferrer S, et al. **Arq Neuropsiquiatr** 1982 Mar;40(1):39–53 (Eng. Abstr.) **(Spa)**

CLASSIFICATION

[Characterization of genetic EEG–variations with the amplitude–interval–analysis. III. Assignment of new obtained EEGs to well–known types of bioelectric activities on the basis of data of amplitude–interval–analysis (author's transl)] Krüger J, et al. **EEG EMG** 1981 Sep; 12(3):113–9 (Eng. Abstr.) **(Ger)**

INSTRUMENTATION

Topographic display of evoked potentials: clinical applications of brain electrical activity mapping (BEAM). Duffy FH. **Ann NY Acad Sci** 1982;388:183–96

A new highly sensitive DC–amplifier for steady biopotential recording. Bauer H, et al. **Arch Psychol (Frankf)** 1980; 133(4):333–7

Fetal electroencephalography using a new, flexible electrode. Weller C, et al. **Br J Obstet Gynaecol** 1981 Oct;88(10):983–6

Mass screening electroencephalography. Tsuchiya S. **Brain Dev** 1981;3(3):313–22

Innovation in electroencephalography. The use of acupuncture needles as sphenoidal electrodes. A report of observations on 648 cases. Feng YK, et al. **Clin Exp Neurol** 1981;17:39–45

Frequency content of EEG and EMG at seizure onset: possibility of removal of EMG artefact by digital filtering. Gotman J, et al. **Electroencephalogr Clin Neurophysiol** 1981 Dec;52(6):626–39

EEG computer analysis in patients with migraine. Jonkman EJ, et al. **Electroencephalogr Clin Neurophysiol** 1981 Dec; 52(6):652–5

Analog delay line artifact rejector for evoked potential studies. Pratt H, et al. **Electroencephalogr Clin Neurophysiol** 1982 May; 53(5):565–67

A modern frequency and phase indicating toposcope. Shipton HW, et al. **Electroencephalogr Clin Neurophysiol** 1981 Dec; 52(6):659–62

Multiprocessor architecture for rapid EEG frequency analysis. Yakush SA, et al. **IEEE Trans Biomed Eng** 1982 Jan;29(1):55–6

Topographic electroencephalographic study of cerebral infarction using computed mapping of the EEG. Nagata K, et al. **J Cereb Blood Flow Metab** 1982;2(1):79–88

Continuous EEG recording: a new diagnostic tool. Lai CW, et al. **J Kans Med Soc** 1981 Mar;82(3):107–10

A reliable multichannel commutator for making electrical contact with conscious, freely moving rats. Andrews CD, et al. **J Neurosci Methods** 1982 Jan;5(1–2):73–6

An adaptive and learning system for feedback–controlled evoked response studies. Wagner J, et al. **Methods Inf Med** 1981 Jul;20(3):169–73

Ambulatory EEG monitoring with a 24 hour cassette recorder in epileptic patients. Bruens JH, et al. **Monogr Neural Sci** 1981;5:295–7

An EEG test device [letter] Greeley HP. **Phys Med Biol** 1982 Feb;27(2):311–4

Modification of the EEG time constant by digital filtering. Gasser T, et al. **Psychophysiology** 1982 Mar;19(2):237–40

Some characteristics of sleep spindles derived from automatic analysis. Matsubayashi K, et al. **Sleep** 1981;4(4):392–9
Sleep spindle characteristics as a function of age. Principe JC, et al. **Sleep** 1982;5(1):73–84
[Use and significance of the Cerebral Function Monitor in anesthesia during heart surgery] Matkó I, et al. **Orv Hetil** 1981 Aug 16;122(33):2007–11 **(Hun)**
[Effect of filters on somatosensory evoked potentials by mechanical stimuli (author's transl)] Sakamoto J, et al. **Rinsho Byori** 1982 Feb;30(2):232–6 **(Jpn)**

METHODS

EEG monitoring of focal lesions of the blood–brain barrier. Remler MP, et al. **Acta Neurol Scand** 1982 Jan;65(1):51–8
EEG findings in senile dementia and normal aging. Soininen H, et al. **Acta Neurol Scand** 1982 Jan;65(1):59–70
Neurometric evaluation of brain dysfunction related to learning disorders. John ER. **Acta Neurol Scand [Suppl]** 1981;89:87–100
Quantitative EEG and neurochemical aspects of memory and learning. Rosadini G, et al. **Acta Neurol Scand [Suppl]** 1981; 89:109–20
Scalp and cortical recordings of initial somatosensory cortex activity to median nerve stimulation in man. Allison T. **Ann NY Acad Sci** 1982;388:671–8
Simultaneous electroretinograms and evoked potentials. Armington JC. **Ann NY Acad Sci** 1982;388:572–9
Short-latency somatosensory evoked potentials to median and peroneal nerve stimulation: studies in normal subjects and patients with neurologic disease. Cracco RQ, et al. **Ann NY Acad Sci** 1982;388:412–25
Somatosensory evoked potentials in man: subcortical and cortical components and their neural basis. Desmedt JE, et al. **Ann NY Acad Sci** 1982;388:388–411
Clinical applications of short-latency somatosensory evoked potentials. Jones SJ. **Ann NY Acad Sci** 1982;388:369–87
Magnetic location of cortical activity. Kaufman L, et al. **Ann NY Acad Sci** 1982;388:197–213
Event-related potentials in the evaluation of high-risk infants. Kurtzberg D. **Ann NY Acad Sci** 1982;388:557–71
Chronotopographical analysis of the human evoked potential in relation to the visual field (data from normal individuals and hemianopic patients). Lesevre N. **Ann NY Acad Sci** 1982;388:156–82
Scalp-recorded somatosensory evoked potentials to stimulation of nerves in the lower extremities and evaluation of patients with spinal cord trauma. Perot PL Jr, et al. **Ann NY Acad Sci** 1982;388:359–68
Intraoperative monitoring of evoked potentials. Raudzens PA. **Ann NY Acad Sci** 1982;388:308–26
Distribution of auditory brainstem potentials over the scalp and nasopharynx in humans. Starr A, et al. **Ann NY Acad Sci** 1982;388:427–42
Brainstem auditory evoked potentials in adult and infant sleep apnea syndromes, including sudden infant death syndrome and near-miss for sudden infant death. Stockard JJ. **Ann NY Acad Sci** 1982;388:443–65
The neural origins of human event-related potentials. Vaughan HG Jr. **Ann NY Acad Sci** 1982;388:125–38
Stimulating and recording methods used in obtaining short-latency somatosensory evoked potentials (SEPs) in patients with central and peripheral neurologic disorders. Wiederholt WC, et al. **Ann NY Acad Sci** 1982;388:349–58
Application of dipole localization methods to source identification of human evoked potentials. Wood CC. **Ann NY Acad Sci** 1982;388:139–55
Analysis of inphase interaction pattern in EEG. Meleis H, et al. **Bioelectromagnetics** 1982;3(1):133–46
EEG spectral analysis in vital depression: ultradian cycles. Lange H. **Biol Psychiatry** 1982 Jan;17(1):3–21
Effect of task and stimulus probability on evoked potentials. Banquet JP, et al. **Biol Psychol** 1981 Dec;13:203–14
EEG and slow cortical potentials in anticipation of mental tasks with different hemispheric involvement. Birbaumer N, et al. **Biol Psychol** 1981 Dec;13:251–60
Brain potentials, perceptual mechanisms and semantic categorisation. Boddy J, et al. **Biol Psychol** 1981 Feb; 12(1):43–61
Evoked potentials and the dynamics of language processing. Boddy J. **Biol Psychol** 1981 Dec;13:125–40
Late positive components and stimulus evaluation time. Brookhuis KA, et al. **Biol Psychol** 1981 Dec;13:107–23
Asymmetries of the contingent negative variation (CNV) and its after positive wave (APW) related to differential hemispheric involvement in verbal and non-verbal tasks. Butler SR, et al. **Biol Psychol** 1981 Dec;13:157–71
The P300 component of the event-related brain potential as an index of information processing. Duncan-Johnson CC, et al. **Biol Psychol** 1982 Feb–Mar;14(1–2):1–52
The relationship between P3-latency and reaction time in depression. Giedke H, et al. **Biol Psychol** 1981 Dec; 13:31–49
Cerebral potentials during skilled slow positioning movements. Grünewald-Zuberbier E, et al. **Biol Psychol** 1981 Dec;13:71–87
P3 latency in threshold signal detection. Kerkhof GA, et al. **Biol Psychol** 1981 Dec;13:89–105
Mismatch negativity in a phonetic discrimination task. Lawson EA, et al. **Biol Psychol** 1981 Dec;13:281–8
Principal component analysis of slow brain potentials during six second anticipation intervals. Lutzenberger W, et al. **Biol Psychol** 1981 Dec;13:271–9
Biofeedback produced slow brain potentials and task performance. Lutzenberger W, et al. **Biol Psychol** 1982 Feb–Mar;14(1–2):99–111
A correlation study of contingent negative variation, reaction time, and EEG power spectrum in control and psychopathological populations. Mantanus H, et al. **Biol Psychol** 1981 Dec;13:227–37
Stimulus deviance and evoked potentials. Näätänen R, et al. **Biol Psychol** 1982 Feb–Mar;14(1–2):53–98
Slow negative shifts of the human event-related potential associated with selective information processing. Okita T. **Biol Psychol** 1981 Feb;12(1):63–75
EEG and cardiac correlates of neuroticism: a psychophysiological comparison of neurotics and normal controls in relation to personality. Plooij-van Gorsel E. **Biol Psychol** 1981 Dec;13:141–56
P300, as a function of S–R compatibility and motor programming. Ragot R, et al. **Biol Psychol** 1981 Dec; 13:289–94
Principal components and varimax-rotated components in event-related potential research: some remarks on their interpretation. Rösler F, et al. **Biol Psychol** 1981 Dec; 13:3–26
On the correlated nature of evoked brain activity: biophysical and statistical considerations. Wastell DG. **Biol Psychol** 1981 Dec;13:51–69
PCA and varimax rotation: some comments on Rösler and Manzey. Wastell DG. **Biol Psychol** 1981 Dec;13:27–9
Some quantitative hemispheric EEG measures reflecting the affective profile of students differing in university academic success. Wiet SG. **Biol Psychol** 1981 Feb;12(1):25–42
A statistical Wiener filter using complex analysis of variance. Woestenburg JC, et al. **Biol Psychol** 1981 Dec;13:215–25
The influence of information on habituation of the 'Wiener' filtered visual even related potential and the skin conductance reaction. Woestenburg JC, et al. **Biol Psychol** 1981 Dec;13:189–201
Cross correlation analysis of averaged slow wave field potentials related to auditory stimuli. Turbes CC, et al. **Biomed Sci Instrum** 1981;17:53–9
Standardization vs. normalization in the power spectral analysis of the EEG signal. Balestra V, et al. **Boll Soc Ital Biol Sper** 1981 Sep 15;57(17):1823–9
The evolution of visual and auditory evoked potentials in infants with perinatal disorder. Hakamada S, et al. **Brain Dev** 1981;3(4):339–44
Febrile convulsions and rolandic discharges. Kajitani T, et al. **Brain Dev** 1981;3(4):351–9
Electroencephalographical-anatomical correlation of brain tumours in infancy and childhood. Chiofalo N, et al. **Childs Brain** 1981;8(6):417–22
Chronic cortical electrode array for seizure investigation. Levy WJ, et al. **Childs Brain** 1982;9(1):48–52
Electroencephalograms in patients with progressive dialytic encephalopathy. Chokroverty S, et al. **Clin Electroencephalogr** 1982 Apr;13(2):122–7
How to read EEGs. Gibbs FA. **Clin Electroencephalogr** 1982 Apr;13(2):67–70
Correlation of evoked potentials (SEP and VEP), EEG and CT in the diagnosis of brain tumors and cerebrovascular diseases. Niazy HM, et al. **Clin Electroencephalogr** 1982 Apr;13(2):71–81
The method of source derivation for the EEG. Basser LS. **Clin Exp Neurol** 1981;17:85–91
Clinico-electroencephalographic studies of multiple sclerosis. Feng YK. **Clin Exp Neurol** 1981;17:47–57
Period-peak analysis of the EEG with microprocessor applications. Palem K, et al. **Comput Programs Biomed** 1982 Apr;14(2):145–55
Short latency SEPs to median nerve stimulation: comparison of recording methods and origin of components. Anziska BJ, et al. **Electroencephalogr Clin Neurophysiol** 1981 Dec; 52(6):531–9
Practical considerations in the positioning of EEG electrodes. Binnie CD, et al. **Electroencephalogr Clin Neurophysiol** 1982 Apr;53(4):453–8
Positive rolandic sharp waves in neonatal EEG; types and significance. Blume WT, et al. **Electroencephalogr Clin Neurophysiol** 1982 Mar; 53(3):277–82
Non-cephalic reference recording of early somatosensory potentials to finger stimulation in adult or aging normal man: differentiation of widespread N18 and contralateral N20 from the prerolandic P22 and N30 components. Desmedt JE, et al. **Electroencephalogr Clin Neurophysiol** 1981 Dec;52(6):553–70
Transformations towards the normal distribution of broad band spectral parameters of the EEG. Gasser T, et al. **Electroencephalogr Clin Neurophysiol** 1982 Jan;53(1):119–24
Elimination of EKG artifacts from EEGs recorded with balanced non-cephalic reference electrode method. Ishiyama Y, et al. **Electroencephalogr Clin Neurophysiol** 1982 Jun;53(6):662–5
An 'interference' approach to the study of somatosensory evoked potentials in man. Jones SJ. **Electroencephalogr Clin Neurophysiol** 1981 Dec; 52(6):517–30
Visual evoked potentials in hemiparkinsonism. Mintz M, et al. **Electroencephalogr Clin Neurophysiol** 1981 Dec; 52(6):611–6
A multivariate comparison between two EEG analysis techniques: period analysis and fast Fourier transform. Pigeau RA, et al. **Electroencephalogr Clin Neurophysiol** 1981 Dec;52(6):656–8
Wave form analysis of the brain stem auditory evoked potential. Robinson K, et al. **Electroencephalogr Clin Neurophysiol** 1981 Dec; 52(6):583–94
Short latency somatosensory evoked potentials to peroneal nerve stimulation: scalp topography and the effect of different frequency filters. Rossini PM, et al. **Electroencephalogr Clin Neurophysiol** 1981 Dec; 52(6):540–52
Scalp distribution of human auditory evoked potentials. I. Evaluation of reference electrode sites. Wolpaw JR, et al. **Electroencephalogr Clin Neurophysiol** 1982 Jul;54(1):15–24
Spectral analysis of the EEG in hepatic encephalopathy treated with levodopa. Yaar I, et al. **Electroencephalogr Clin Neurophysiol** 1981 Dec; 52(6):617–25
Visual signal detection and lambda responses. Yagi A. **Electroencephalogr Clin Neurophysiol** 1981 Dec; 52(6):604–10
Extreme somatosensory evoked potential (ESEP): an EEG sign forecasting the possible occurrence of seizures in children. de Marco P, et al. **Epilepsia** 1981 Oct;22(5):569–75
Prediction of spike-wave bursts in absence epilepsy by EEG power-spectrum signals. Siegel A, et al. **Epilepsia** 1982 Feb; 23(1):47–60
A new method of evaluating the postimperative negative variation (PINV). Iida H, et al. **Folia Psychiatr Neurol Jpn** 1982;36(1):75–80
Utilization of amplitude histographs to quantify the EEG effects of systemic administration of morphine in the chronically implanted rat. Bronzino JD, et al. **IEEE Trans Biomed Eng** 1981 Oct;28(10):673–8
Autoregressive estimation of short segment spectra for computerized EEG analysis. Jansen BH, et al. **IEEE Trans Biomed Eng** 1981 Sep;28(9):630–8
Walsh versus Fourier estimators of the EEG power spectrum. Smith WD. **IEEE Trans Biomed Eng** 1981 Nov; 28(11):790–3
Medulloblastoma in young children: some EEG aspects. Battaglia A, et al. **Ital J Neurol Sci** 1981 Jan;2(1):11–5
A longitudinal electroencephalographic study in acute leukaemia. Sideri G, et al. **Ital J Neurol Sci** 1981 May; 2(2):147–51
Discriminating good sleepers from insomniacs using all-night polysomnograms conducted at home. Coates TJ, et al. **J Nerv Ment Dis** 1982 Apr;170(4):224–30
Computerized EEG as a predictor of drug response in treatment resistant schizophrenics. Itil TM, et al. **J Nerv Ment Dis** 1981 Oct;169(10):629–37
Telemetered EEG in schizophrenia: spectral analysis during abnormal behaviour episodes. Stevens JR, et al. **J Neurol Neurosurg Psychiatry** 1982 May;45(5):385–95
Continuous ambulatory simultaneous EEG/ECG recording [letter] **Neurology (NY)** 1982 Apr;32(4):458
Pseudoseizures: ictal phenomena. Gulick TA, et al. **Neurology (NY)** 1982 Jan;32(1):24–30
EEG monitoring of clinical coma: the compressed spectral array. Karnaze DS, et al. **Neurology (NY)** 1982 Mar; 32(3):289–92
Pseudoseizures: diagnostic evaluation. King DW, et al. **Neurology (NY)** 1982 Jan;32(1):18–23
Nonketotic hyperglycinemia: electroencephalographic and evoked potential abnormalities. Markand ON, et al. **Neurology (NY)** 1982 Feb;32(2):151–6
Effect of depressant drugs on ECoG and on glutamate and ACh-excited cortical neurones in rats. Forrester PA, et al. **Neuropharmacology** 1981 Sep;20(9):803–11
P300 wave elicited by a stimulus-change paradigm in acutely prepared rats. O'Brien JH. **Physiol Behav** 1982 Apr; 28(4):711–3
Delusional misidentification syndromes and cerebral 'dysrhythmia'. Christodoulou GN, et al. **Psychiatr Clin (Basel)** 1981;14(4):245–51
EEG sleep patterns in schizophrenic patients undergoing hemodialysis. Gillin JC, et al. **Psychiatry Res** 1981 Dec; 5(3):287–91
REM density in the differential diagnosis of psychiatric from medical-neurologic disorders: a replication. King D, et al. **Psychiatry Res** 1981 Dec;5(3):267–76
EEG states of the brain, information processing, and schizophrenic primary symptoms. Koukkou M. **Psychiatry Res** 1982 Apr;6(2):235–44
Electroencephalographic sleep findings in depressed outpatients. Reynolds CF 3d, et al. **Psychiatry Res** 1982 Feb;6(1):65–75
Presidential address, 1980. Surprise!...Surprise? Donchin E. **Psychophysiology** 1981 Sep;18(5):493–513
First night effects in good sleepers and sleep-maintenance insomniacs when recorded at home. Coates TJ, et al. **Sleep** 1981 Sep;4(3):293–8
K-complexes and sleep spindles before transient activation during sleep. Ehrhart J, et al. **Sleep** 1981;4(4):400–7
Spindle density in sleep of normal subjects. Gaillard JM, et al. **Sleep** 1981;4(4):385–91
Sleep spindles in the human hippocampus: normal or epileptic activity? Montplaisir J, et al. **Sleep** 1981;4(4):423–8
Sensorimotor electroencephalogram rhythmic activity: a functional gate mechanism. Sterman MB, et al. **Sleep** 1981; 4(4):408–22
Prolonged EEG recording with unrestricted patient mobility.

Wanner AL, et al. **W Va Med J** 1982 May;78(5):113–6
[Clinical evaluation of EEG telemetry and videomonitoring in 212 patients with epilepsy] Overweg J, et al. **Ned Tijdschr Geneeskd** 1981 Oct 3;125(40):1600–4 (Eng. Abstr.) **(Dut)**
[Application in psychogeriatrics of new technics for evaluating cerebral electrical activity] Laurian S. **Schweiz Arch Neurol Neurochir Psychiatr** 1982; 130(1):89–103 (Eng. Abstr.) **(Fre)**
[Recommendations for pharmacoelectroencephalographic examinations in humans] **EEG EMG** 1982 Mar;13(1):1–2 **(Ger)**
[Primary reading epilepsy; a case report (author's transl)] Atassi M. **EEG EMG** 1981 Sep;12(3):128–31 (Eng. Abstr.) **(Ger)**
[Electroencephalographically determined sedative effects (vigilosomnography) of the new Thienodiazepin-derivate clotiazepam (author's transl)] Aufdembrinke B, et al. **EEG EMG** 1981 Sep;12(3):148–54 (Eng. Abstr.) **(Ger)**
[Diagnostic value of periodic lateralized complexes in the EEG (author's transl)] Bauer G, et al. **EEG EMG** 1981 Sep;12(3):135–41 (Eng. Abstr.) **(Ger)**
[Activities in the alpha band in unresponsive patients (author's transl)] Bauer G, et al. **EEG EMG** 1982 Mar; 13(1):28–33 (Eng. Abstr.) **(Ger)**
[Study on the constancy of EEG characteristics in epileptic patients (author's transl)] Fröscher W. **EEG EMG** 1982 Mar;13(1):9–13 (Eng. Abstr.) **(Ger)**
[Perceptibility and differentiation of local effects–comparison between Hjorths source–derivation and conventional recordings (author's transl)] Gabel U, et al. **EEG EMG** 1982 Mar;13(1):42–50 (Eng. Abstr.) **(Ger)**
[The benigne epilepsy in childhood with occipital spike wave complexes (author's transl)] Gastaut H. **EEG EMG** 1982 Mar;13(1):3–8 (Eng. Abstr.) **(Ger)**
[The EEG in necrotizing herpes encephalitis (author's transl)] Geréby G. **EEG EMG** 1981 Dec;12(4):205–11 (Eng. Abstr.) **(Ger)**
[Electroencephalogram in congenital anophthalmia (author's transl)] Gibbs EL, et al. **EEG EMG** 1981 Dec;12(4):171–3 (Eng. Abstr.) **(Ger)**
[EEG–slowing after high–dose Methotrexate with citrovorumfactor–rescue. A spectralanalytic study (author's transl)] Korinthenberg R, et al. **EEG EMG** 1982 Mar;13(1):22–7 (Eng. Abstr.) **(Ger)**
[The value of the EEG in patients with transient global amnesia (author's transl)] Logar C, et al. **EEG EMG** 1981 Sep;12(3):158–60 (Eng. Abstr.) **(Ger)**
[Investigation to clarify the origin of scalp recorded high frequency potentials (author's transl)] Röske W. **EEG EMG** 1981 Sep;12(3):161–7 (Eng. Abstr.) **(Ger)**
[Alpha–sleep pattern–a distinctive activity within the alpha–frequency range superimposed on EEG sleep patterns (author's transl)] Scheuler W, et al. **EEG EMG** 1982 Mar;13(1):34–41 (Eng. Abstr.) **(Ger)**
[Spindles and spike waves in the sleep EEG of epileptic patients under administration of phenobarbital (PB) and phenytoin (DPH) (author's transl)] Sengoku A, et al. **EEG EMG** 1981 Sep;12(3):132–4 (Eng. Abstr.) **(Ger)**
[The effect of kryptopyrrole on the brain–activity of cats: a quantitative EEG–analysis (author's transl)] Somogyi I, et al. **EEG EMG** 1981 Dec;12(4):212–5 (Eng. Abstr.) **(Ger)**
[Prognostic value of EEG in acute posttraumatic coma (author's transl)] Walser H, et al. **EEG EMG** 1981 Dec; 12(4):198–204 (Eng. Abstr.) **(Ger)**
[EEG in phenytoin intoxication (author's transl)] Wessely P, et al. **EEG EMG** 1981 Sep;12(3):142–7 (Eng. Abstr.) **(Ger)**
[Diagnostic value of cerebral evoked potentials in neurology (author's transl)] Vogel P. **Nervenarzt** 1981 Oct; 52(10):565–73 **(Ger)**
[The value of pentetrazol (Deumacard) provocation in EEG for the evaluation of driving ability] Lietz S, et al. **Psychiatr Neurol Med Psychol (Leipz)** 1981 Dec; 33(12):726–33 (Eng. Abstr.) **(Ger)**
[Computerized electroencephalography in acute cerebral ischaemia (author's transl)] Bossi L, et al. **Ann Osp Maria Vittoria Torino** 1981 Jan–Jun;24(1–6):26–32 (Eng. Abstr.) **(Ita)**
[Differentiation of brain tumors and vascular diseases based on electroencephalographic tracings after relanium administration using automatic EEG analysis] Zawadzka–Tołłoczko W. **Neurol Neurochir Pol** 1981 Sep–Dec;15(5–6):531–6 **(Pol)**
[Electroencephalographic signs in cerebrovascular disorders and brain tumors after administration of mannitol (using automatic EEG analysis)] Zawadzka–Tołłoczko W. **Pol Tyg Lek** 1981 May 25;36(21):755–7 (Eng. Abstr.) **(Pol)**
[Neurophysiological changes in hypertension detectable in an EEG analysis by the BERG–Fourier method] Shkhvatsabaia IK, et al. **Kardiologiia** 1982 Jan;22(1):60–5 (Eng. Abstr.) **(Rus)**
[Compressed spectral EEG analysis of patients with acute cerebral circulatory disorders] Gusev EI, et al. **Zh Nevropatol Psikhiatr** 1981;81(8):1133–41 (Eng. Abstr.) **(Rus)**
[Spatial localization of sources of slow EEG activity by the equivalent dipole method] Gnezditskiĭ VV, et al. **Zh Vyssh Nerv Deiat** 1981 Jul–Aug;31(4):780–8 (Eng. Abstr.) **(Rus)**

VETERINARY

Toxic Bermuda grass tremor in the goat: an electroencephalographic study. Strain GM, et al. **Am J Vet Res** 1982 Jan;43(1):158–62

ELECTROENCEPHALOGRAPHY, ALPHA RHYTHM see **ALPHA RHYTHM**

ELECTROFOCUSING see **ISOELECTRIC FOCUSING**

ELECTROGALVANISM, INTRAORAL

The prevalence of copper–, silver–, tin–, mercury– and zinc–ions in human saliva. Nilner K, et al. **Swed Dent J** 1982;6(2):71–7
Intraoral currents and taste thresholds. Nilner K, et al. **Swed Dent J** 1982;6(3):105–13
Studies of electrochemical action in the oral cavity. Nilner K. **Swed Dent J [Suppl]** 1981;(9):1–42
[Oval galvanism] **Nor Tannlaegeforen Tid** 1981 Sep;91(12):418 **(Nor)**
[What is oral galvanism and what symptoms/diseases is it connected with?] Holland RI. **Nor Tannlaegeforen Tid** 1981 Nov;91(14):507–8 **(Nor)**
[Effect of metal inclusions in the oral cavity on the general state of the body] Ivanova AF. **Stomatologiia (Mosk)** 1981 Sep–Oct;60(5):63–7 (Eng. Abstr.) **(Rus)**

ELECTROKYMOGRAPHY

[Detection of exercise–induced abnormalities of cardiac wall motion in coronary heart disease by modified cardiokymography (author's transl)] Aoki T. **Nippon Ronen Igakkai Zasshi** 1982 Mar;19(2):153–67 (Eng. Abstr.) **(Jpn)**

METHODS

[Cinekymography in the multiple x–ray study of the contractile capacity of the left ventricle in ischemic heart disease] Nikolaev GG, et al. **Vestn Rentgenol Radiol** 1981 Sep–Oct;(5):42–6 (Eng. Abstr.) **(Rus)**

ELECTROLYSIS

Electrolysis and surgery in experimental tumours in the rat. Samuelsson L. **Acta Radiol [Diagn] (Stockh)** 1981; 22(2):129–31
Ferric chloride leach–electrolysis process for production of lead. Sandberg RG, et al. **Am J Industr Med** 1980; 1(3–4):283–91
Recycle of dialysate from the artificial kidney by electrochemical degradation of waste metabolites: continuous reactor investigations. Fels M. **Med Biol Eng Comput** 1982 May;20(3):257–63
Urea removal in closed–loop hemodialysis by direct electrolysis. Wolfson SK Jr, et al. **Proc Clin Dial Transplant Forum** 1980;10:29–34
[Measurement of regional blood flow using hydrogen gas generated by electrolysis (author's transl)] Koshu K, et al. **No Shinkei Geka** 1981 Oct;9(11):1261–6 (Eng. Abstr.) **(Jpn)**
[On the electrolytic separation factor of tritium (author's transl)] Kitaoka K. **Radioisotopes** 1981 May;30(5):247–52 (Eng. Abstr.) **(Jpn)**

ADVERSE EFFECTS

Contact dermatitis from cyanide plating solutions. Mathias CG. **Arch Dermatol** 1982 Jun;118(6):420–2

INSTRUMENTATION

Constant–current source for an electrolytic microinfusion transducer system. Mundl WJ. **J Neurosci Methods** 1981 Oct;4(3):287–90
[Galvanodent apparatus for the electrochemical coating of dental prostheses] Poluev VI, et al. **Med Tekh** 1982 May–Jun;(3):49–50 **(Rus)**

ELECTROLYTES

see related
FLUID THERAPY
WATER–ELECTROLYTE BALANCE

Electrolyte versus blood cardioplegia: randomized clinical and myocardial ultrastructural study. Singh AK, et al. **Ann Thorac Surg** 1982 Mar;33(3):218–27
Polyelectrolyte theory of charged–ligand binding to nucleic acids. Guéron M, et al. **Biochimie** 1981 Nov–Dec; 63(11–12):821–5
More on 'Golytely' [letter] Soergel KH, et al. **Gastroenterology** 1982 Sep;83(3):729–30
Patient acceptance and effectiveness of a balanced lavage solution (Golytely) versus the standard preparation for colonoscopy. Thomas G, et al. **Gastroenterology** 1982 Mar; 82(3):435–7
[A method for the polarographic measurement of oxygen solubility coefficients in hydrous solutions of electrolytes (author's transl)] Hutten H, et al. **Biomed Tech (Berlin)** 1982 Jan–Feb;27(1–2):7–13 (Eng. Abstr.) **(Ger)**
[Effects of pH, electrolytes, and surface charges on colloidal stability of lecithin liposomes (author's transl)] Nakagaki M, et al. **Yakugaku Zasshi** 1982 Jan;102(1):17–22 (Eng. Abstr.) **(Jpn)**

ADMINISTRATION & DOSAGE

Electrolyte content of Vivonex [letter] Robinson MB, et al. **Am J Hosp Pharm** 1982 Jul;39(7):1147–8
A study of intravenous emulsion compatibility: effects of dextrose, amino acids, and selected electrolytes. Black CD, et al. **Drug Intell Clin Pharm** 1981 Mar;15(3):184–93
Evaluation of rapid colonoscopy preparation using a new gut lavage solution. Goldman J, et al. **Gastrointest Endosc** 1982 Feb;28(1):9–11
Rice–powder electrolyte solution as oral–therapy in diarrhoea due to Vibrio cholerae and Escherichia coli. Molla AM, et al. **Lancet** 1982 Jun 12;1(8285):1317–9
Rice powder and electrolyte solutions [letter] Nalin DR, et al. **Lancet** 1982 Jul 17;2(8290):155–6
Home oral sugar salt solution using the 'blue spoon' for acute infantile gastroenteritis. Azis AL, et al. **Paediatr Indones** 1981 May–Jun;21(5–6):107–14

ADVERSE EFFECTS

Water hardness, myocardial metal concentrations, and sudden coronary death [letter] Chipperfield B. **Am Heart J** 1982 Jun;103(6):1085–6
Edema in oral rehydration. Sugijanto, et al. **Paediatr Indones** 1981 Nov–Dec;21(11–12):229–34

ANALYSIS

Measuring the electrolyte concentration of intravenous admixtures. Stiles ML, et al. **Am J Hosp Pharm** 1982 May; 39(5):846–7
Electrolyte instrumentation: then and now. Karselis TC. **Am J Med Technol** 1982 May;48(5):329–35
Four clinical chemistry analyses for pediatric patients: glycosylated hemoglobin, free bilirubin, sweat electrolytes, neonatal thyroxine. Randoiph VS. **Am J Med Technol** 1982 Jan;48(1):15–22 (87 ref.)
Renal cortex ion composition and Na–K–ATPase activity in gentamicin nephrotoxicity. Cronin RE, et al. **Am J Physiol** 1982 May;242(5):F477–83
Effect of Streptococcus pneumoniae infection in rats on hepatic water content, electrolyte concentration, and chemical composition. Little JS, et al. **Am J Vet Res** 1981 Aug;42(8):1328–31
Effect of ovulation on the ionic and water content of rabbit oviduct. Johns A, et al. **Biol Reprod** 1982 Apr;26(3):367–77
Measurement of the skin electrolysis by neutron activation. Barberis ML, et al. **Burns Incl Therm Inj** 1982 Jan; 8(3):203–6
Muscle tissue electrolytes in burned subjects. Novarini A, et al. **Burns Incl Therm Inj** 1982 Jan;8(3):210–4
X–ray microanalysis of electrolyte content of normal, preneoplastic, and neoplastic mouse mammary tissue. Smith NK, et al. **Cancer Res** 1981 Oct;41(10):3877–80
Changes in cellular and subcellular composition during potassium deficiency. Southon S, et al. **Comp Biochem Physiol [A]** 1982;72(2):415–9
A program for calculation of activity coefficients at selected concentrations and temperatures. Baumgarten CM. **Comput Biol Med** 1981;11(4):189–96
Factors affecting the amniotic fluid electrolytes. Mistry KP, et al. **Indian J Med Res** 1982 Feb;75:248–53
Plasma and CSF electrolytes in tuberculous meningitis. A concurrent study. Kumar D, et al. **Indian Pediatr** 1981 Jul; 18(7):473–7
Enzyme electrodes as practical biosensors. Vadgama P. **J Med Eng Technol** 1981 Nov;5(6):293–8 (45 ref.)
Quantitative analysis of electrolytes in frozen dried sections. Rick R, et al. **J Microsc** 1982 Feb;125(2):239–47
Protein and electrolyte changes in experimental cerebral edema. Clasen RA, et al. **J Neuropathol Exp Neurol** 1982 Mar;41(2):113–28
Familial cholestasis with elevated sweat electrolyte concentrations. Lloyd–Still JD. **J Pediatr** 1981 Oct; 99(4):580–3
The effects of exercise on protein and electrolyte secretion in parotid saliva. Dawes C. **J Physiol (Lond)** 1981 Nov; 320:139–48
Brain water and electrolytes in response to respiratory acidosis and brain edema in the mutant mouse, jimpy. Nattie EE, et al. **Life Sci** 1982 Mar 29;30(13):1129–33
Investigations on vasogenic and cytotoxic brain edema, comparing results from X–ray microanalysis and flame photometry. Hürter T, et al. **Microsc Acta** 1982 Jan; 85(3):285–93
The x–ray microanalysis of frozen–hydrated sections in scanning electron microscopy: an evaluation. Gupta BL, et al. **Tissue Cell** 1981;13(4):623–43 (73 ref.)
Skeletal muscle ionic composition and sodium transport activity in chronic alcoholism. Ferguson ER, et al. **Trans Assoc Am Physicians** 1981;94:61–72
[Normal values of the main stool constituents from age 1 year to puberty (author's transl)] Fraisse F, et al. **Arch Fr Pediatr** 1981 Nov;38(9):667–70 (Eng. Abstr.) **(Fre)**
[Carbohydrate, electrolyte and water contents in the cataractous lens of streptozotocin diabetic rats (author's transl)] Ono H, et al. **Nippon Ganka Gakkai Zasshi** 1981 Dec 10;85(12):2115–9 (Eng. Abstr.) **(Jpn)**
[Kinetics of continuous ambulatory peritoneal dialysis. III. Urea, creatinine, inulin, sodium, potassium and phosphorus

in the blood plasma and dialysate] Majdan M, et al. **Pol Arch Med Wewn** 1981 Feb;65(2):131–40 (Eng. Abstr.) **(Pol)**

BLOOD

Sodium, potassium, and rate of constants for sodium efflux in leucocytes from hypertensive Jamaicans [letter] **Br Med J [Clin Res]** 1981 Sep 26;283(6295):860

Estimation of antemortem serum electrolytes and urea concentrations from vitreous humor collected postmortem. Wilkie IW, et al. **Can J Comp Med** 1982 Apr;46(2):146–9

Changes in sodium, potassium, and adenosine triphosphate contents of red blood cells in sepsis and septic shock. Illner H, et al. **Circ Shock** 1982;9(3):259–67

Influence of family history of hypertension on the relationships between blood pressure, body weight, electrolyte metabolism, renin, prolactin and parathormone. Wessels F, et al. **Clin Sci [Suppl]** 1981 Dec;61(7):359s–362s

Intracellular cation activities and concentrations in spontaneously hypertensive and normotensive rats. Zidek W, et al. **Clin Sci [Suppl]** 1981 Dec;61(7):41s–43s

The kinetics of red blood cell electrolyte alterations following digoxin administration. A report of two pediatric cases. Loes MW, et al. **Dev Pharmacol Ther** 1981;3(1):50–4

The effects of hypophysectomy and replacement therapy with prolactin, cortisone, or their combination on the blood of the black bullhead Ictalurus melas. Fortner NA, et al. **Gen Comp Endocrinol** 1982 May;47(1):111–9

Evaluation of serum and urinary electrolytes. Harrington JT. **Hosp Pract** 1982 Mar;17(3):28–32, 39

Effect of acetazolamide in blood acid–base and electrolyte values in dogs. Haskins SC, et al. **J Am Vet Med Assoc** 1981 Oct 15;179(8):792–6

Acid–base and electrolyte values in dogs with acute gastric dilatation–volvulus. Wingfield WE, et al. **J Am Vet Med Assoc** 1982 May 1;180(9):1070–2

Acid–base and electrolyte status in carp (Cyprinus carpio) exposed to low environmental pH. Ultsch GR, et al. **J Exp Biol** 1981 Aug;93:65–80

Effect of Anaplasma marginale infection upon blood gases and electrolytes in splenectomized calves. Allen PC, et al. **J Parasitol** 1981 Dec;67(6):954–6

Correlation of changes in blood chemistry with pathological changes in the animal's body: II Electrolytes, kidney function tests, serum enzymes, and liver function tests. Stogdale L. **J S Afr Vet Assoc** 1981 Jun;52(2):155–64

Spurious increases in the anion gap due to exposure of serum to air [letter] Nanji AA, et al. **N Engl J Med** 1982 Jul 15;307(3):190–1

Lithium delays biochemical circadian rhythms in rats. McEachron DL, et al. **Neuropsychobiology** 1982 Jan–Feb; 8(1):12–29

[Intravenous neonatal maintenance solutions (letter)] Thom JC. **S Afr Med J** 1982 Jun 12;61(24):896–7 **(Afr)**

[Changes in electrolyte homeostasis in acute loading of the right heart] Lolov R, et al. **Eksp Med Morfol** 1981; 20(3):139–43 (Eng. Abstr.) **(Bul)**

[Effect of a combined geriatric preparation on the ion and mineral metabolism of the organism (author's transl)] Kocián J, et al. **Cesk Gastroenterol Vyz** 1981 May; 35(3):123–6 (Eng. Abstr.) **(Cze)**

[Effect of a single dose of captopril on arterial pressure, electrolytes and hormonal parameters. Study in 20 patients with long–term treatment in 8 patients] Guillevin L, et al. **Rev Med Interne** 1981 Oct;2(3):341–07 (Eng. Abstr.) **(Fre)**

[Various constituents and trace elements in blood plasma of boars] Steinhardt M, et al. **Arch Exp Veterinarmed** 1981; 35(6):903–15 (Eng. Abstr.) **(Ger)**

[Electrolyte determination using ion–selective electrodes] Paschen K. **Med Lab (Stuttg)** 1981;34(5):119–24 **(Ger)**

[Effect of indomethacin on serum electrolytes in limited kidney function] Lison AE, et al. **Med Welt** 1982 Jun 18; 33(24):885–6 **(Ger)**

[Electrolyte trace elements] Zumkley H. **ZFA (Stuttgart)** 1981 Sep 10;57(25):1633–55 **(Ger)**

[Arterial hypertension with excessive mineraloactive hormone activity caused by overuse of a nasal spray containing fluorohydrocortisone] Casellato F, et al. **G Ital Cardiol** 1981;11(7):1014–8 **(Ita)**

[Changes in cation transport in the erythrocytes of normotensive young persons predisposed to essential hypertension] Cusi D, et al. **Minerva Nefrol** 1981 Jul–Sep; 28(3):283–7 (Eng. Abstr.) **(Ita)**

[The effect of MT–M solution on the serum electrolytes, metabolites and subcellular metabolic changes in rabbits (author's transl)] Adachi H, et al. **Masui** 1981 Jul; 30(7):694–702 (Eng. Abstr.) **(Jpn)**

[Blood cell counter and electrolytes measurement in primary care and emergency in hospital (author's transl)] Kono T. **Rinsho Byori** 1981 Jan;29(1):48–52 **(Jpn)**

[Role of hormonal compounds in regulating electrolyte metabolism in emotional stress] Afonin BV, et al. **Kosm Biol Aviakosm Med** 1982 May–Jun;16(3):13–6 (Eng. Abstr.) **(Rus)**

[Effect of obsidan on blood electrolyte content in toxic goiter] Shikhsaidov II. **Probl Endokrinol (Mosk)** 1981 Jul–Aug;27(4):3–6 (Eng. Abstr.) **(Rus)**

ISOLATION & PURIFICATION

Prediction of the pH dependence of the separation of weak electrolytes by ion–exchange: amino acid chromatography with competitive buffer ion eluents. LeMaster DM, et al. **Anal Biochem** 1982 May 15;122(2):223–37

METABOLISM

Effect of sympathectomy with 6–hydroxydopamine on the renal excretion of water and electrolytes in developing rats. Appenroth D, et al. **Acta Biol Med Ger** 1981;40(12):1715–21

Energy–rich phosphagens, electrolytes and free amino acids in leg skeletal muscle of patients with chronic obstructive lung disease. Möller P, et al. **Acta Med Scand** 1982 May; 211(3):187–93

Dietary potassium and heavy exercise: effects on muscle water and electrolytes. Costill DL, et al. **Am J Clin Nutr** 1982 Aug;36(2):266–75

Calcium dependence of basal electrolyte transport in rabbit ileum. Donowitz M, et al. **Am J Physiol** 1982 Jul; 243(1):G28–35

Chloroquine stimulates absorption and inhibits secretion of ileal water and electrolytes. Fogel R, et al. **Am J Physiol** 1982 Aug;243(2):G117–26

Endogenous norepinephrine release induced by tyramine modulates intestinal ion transport. Tapper EJ, et al. **Am J Physiol** 1981 Sep;241(3):G264–9

The effect of somatostatin and enkephalin on ion transport in the intestine. Dobbins JW, et al. **Ann NY Acad Sci** 1981; 372:594–612

Neurohumoral control of ileal electrolyte transport. Miller RJ, et al. **Ann NY Acad Sci** 1981;372:571–93

Effects of two consecutive experimental Haemonchus contortus infections on abomasal pepsin and electrolytes and serum pepsinogen and electrolytes of sheep. Dakkak A, et al. **Ann Rech Vet** 1981;12(1):65–70

Excretion of water and electrolytes by the kidneys in chronic irritation of the peripheral nerves. Azhipa YaI, et al. **Biol Bull Acad Sci USSR** 1980 Sep–Oct;7(5):346–52

Electrophysiologic effects and electrolyte changes in total myocardial ischemia. Nguyen–Thi A, et al. **Can J Physiol Pharmacol** 1981 Aug;59(8):876–83

Pathophysiology of diarrhoea: alterations in fluid and electrolyte transport. Dobbins JW, et al. **Clin Gastroenterol** 1981 Sep;10(3):605–25 (55 ref.)

Water and electrolyte composition of urine and ileal fluid and its relationship to renin and aldosterone during dietary sodium deprivation in patients with ileostomies. Moss S, et al. **Clin Sci** 1981 Oct;61(4):407–15

Membranes, ions and hypertension. Tosteson DC, et al. **Clin Sci [Suppl]** 1981 Dec;61(7):5s–10s

Electrolyte interactions in cervical mucus and their relationship to circulating hormone levels. Gould KG, et al. **Contraception** 1981 May;23(5):507–16

Cyclic guanosine monophosphate effects on nutrient and electrolyte transport in rabbit ileum. Guandalini S, et al. **Gastroenterology** 1982 Jul;83(1 Pt 1):15–21

The levels of zinc, copper, calcium and magnesium in serum and urine after heart–valve replacement. Effects of oxygenator type and postoperative parenteral nutrition. Nuutinen LS, et al. **Infusionsther Klin Ernahr** 1981 Oct; 8(5):214–7

Water and electrolyte balance in protoscoleces of Echinococcus granulosus incubated in vitro: effect of metabolic inhibitors. Reisin IL, et al. **Int J Parasitol** 1981 Oct;11(5):405–10

Water and electrolyte balance in protoscoleces of Echinococcus granulosus incubated in vitro: general procedures for the determination of water, sodium, potassium and chloride in protoscoleces. Reisin IL, et al. **Int J Parasitol** 1981 Oct;11(5):399–404

Pericapillary permeability of the ciliary processes: role of molecular charge. Peress NS, et al. **Invest Ophthalmol Vis Sci** 1982 Aug;23(2):168–75

Regional differences in bioelectric properties and ion flow in excised canine airways. Boucher RC, et al. **J Appl Physiol** 1981 Sep;51(3):706–14

Electrolyte excretion patterns. Intravenous and oral doses of bumetanide compared to furosemide. Brater DC, et al. **J Clin Pharmacol** 1981 Nov–Dec;21(11–12 Pt 2):599–603

Renal electrolyte excretion pattern in response to bumetanide in healthy volunteers. Hutcheon DE, et al. **J Clin Pharmacol** 1981 Nov–Dec;21(11–12 Pt 2):604–9

Effects of urea on electrolyte transport in the dog kidney. Wong NL, et al. **J Lab Clin Med** 1981 Nov;98(5):741–50

Stray light correction for microspectrophotometric determination of intracellular ion concentration. Zucker RS. **J Neurosci Methods** 1982 May;5(4):389–94

Osmotic and osmotic–loop diuresis in brain surgery. Effects on plasma and CSF electrolytes and ion excretion. Schettini A, et al. **J Neurosurg** 1982 May;56(5):679–84

Neurohumoral control of ileal electrolyte transport. I. Bombesin and related peptides. Kachur JF, et al. **J Pharmacol Exp Ther** 1982 Mar;220(3):449–55

Neurohumoral control of ileal electrolyte transport. II. Neurotensin and substance P. Kachur JF, et al. **J Pharmacol Exp Ther** 1982 Mar;220(3):456–63

Transport of weak bases across rat gastric mucosa in vivo and in vitro. Tai CY, et al. **J Pharmacol Exp Ther** 1982 Aug;222(2):372–8

Pancreatic acinar cell function: measurement of intracellular ions and pH and their relation to secretion. Preissler M, et al. **J Physiol (Lond)** 1981 Dec;321:437–48

Cation imbalance in erythrocytes, serum and 24–hour urine from patients with essential hypertension and adolescents with high blood pressure. Tochikubo O, et al. **Jpn Circ J** 1982 May;46(5):512–22

Estimation of intracellular pH from distribution of weak electrolytes. Roos A, et al. **KROC Found Ser** 1981;15:55–9

Ionic shift in cerebral ischemia. Yanagihara T, et al. **Life Sci** 1982 May 31;30(22):1921–5

Studies on the role of Na+, K+ and Cl– ion permeabilities in K+–induced release of 3H–noradrenaline from rat brain slices and synaptosomes and in its presynaptic alpha–adrenergic modulation. Wemer J, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1981 Sep; 317(2):103–9

The significance of nephron heterogeneity. Burg MB. **Nippon Jinzo Gakkai Shi** 1981 Jul;23(7):957–64

Differences in functional properties between the early and the late segments of the distal tubule of amphibian (triturus) kidney. Hoshi T, et al. **Nippon Jinzo Gakkai Shi** 1981 Jul; 23(7):889–96

Driving forces for volume absorption along the proximal nephron. Schafer JA, et al. **Nippon Jinzo Gakkai Shi** 1981 Jul;23(7):965–72

Body electrolytes, renin–angiotensin system and aldosterone secretion in essential hypertension. Borghetti A, et al. **Panminerva Med** 1981 Apr–Jun;23(2):105–14

Parotid acinar cells: ionic dependence of isoprenaline–evoked membrane potential changes. Iwatsuki N, et al. **Pflugers Arch** 1982 Apr;393(2):123–9

Influences of tetrodotoxin, amiloride, phenytoin, aconitine, tetraethylammonium on ACTH–an isoproterenol–mediated lipolysis in isolated rat adipocytes. Nencini P, et al. **Pharmacol Res Commun** 1982 Mar;14(3):205–16

Energy dispersive x–ray microanalysis of monovalent electrolytes in large brain cortical cells of rats after chronic reserpine treatment. Pieri C, et al. **Pharmacol Res Commun** 1981 Sep;13(8):797–805

Lithium–induced polydipsia in birds: a comparative study and analysis of electrolyte excretion. Hardy WT, et al. **Physiol Behav** 1981 Oct;27(4):575–83

Morphological correlates of weak electrolyte transport in the small intestine. Jackson MJ, et al. **Prog Clin Biol Res** 1981;73:83–96

Role of prostaglandins in the regulation of intestinal electrolyte transport. Field M, et al. **Prostaglandins** 1981; 21 Suppl:73–9

Mathematical evaluation of the effects of tizolemide, furosemide and placebo in healthy adults. Leary WP, et al. **S Afr Med J** 1982 Mar 13;61(11):398–401

Effect of phenylbutazone on electrolyte metabolism in ponies. Alexander F. **Vet Rec** 1982 Mar 20;110(12):271–2

[Study of the intra– and extracellular electrolyte content in Paramecia cultures carried out during a space flight (author's transl)] Tixador R, et al. **Biochim Biophys Acta** 1981 Dec 7;649(2):175–8 (Eng. Abstr.) **(Fre)**

[The role of the colon in the absorption of water and electrolytes. Pathogenesis of diarrhea] Debongnie JC. **Gastroenterol Clin Biol** 1981;5(8–9):747–57 **(Fre)**

[Cerebrospinal fluid protein levels and blood–cerebrospinal fluid ratio of glucose and electrolytes in infants and children] Heine W, et al. **Helv Paediatr Acta** 1981 Jul; 36(3):217–27 (Eng. Abstr.) **(Ger)**

[Immediate effect of beta receptor blockaders on electrolyte metabolism] Zumkley H, et al. **Med Welt** 1982 Mar 26; 33(12):453–5 **(Ger)**

[Electrolytes, free water clearance and blood viscosity measurements in subjects with mucoviscidosis. Preliminary findings] De Sanctis C, et al. **Minerva Pediatr** 1982 Feb 15;34(3):99–106 (Eng. Abstr.) **(Ita)**

[The changes on plasma aldosterone concentration during acute respiratory acidosis in dogs. The relationship to renin–angiotensin system and electrolyte metabolism (author's transl)] Sunada K. **Nippon Naibunpi Gakkai Zasshi** 1982 Jan 20;58(1):24–32 (Eng. Abstr.) **(Jpn)**

[Comparison of estimation values by computer with experimental values on reverse permeation and overshooting phenomenon of ions (author's transl)] Kitagawa S, et al. **Yakugaku Zasshi** 1982 Jan;102(2):127–36 (Eng. Abstr.) **(Jpn)**

[Minimal and possible optimal protein and electrolyte requirements in anorexia nervosa] Hasik J, et al. **Pol Arch Med Wewn** 1981 Nov–Dec;66(5–6):363–72 (Eng. Abstr.) **(Pol)**

[Cerebrospinal fluid dynamics, electrolyte composition and acid–base equilibrium in acquired heart defect patients during operations under artificial circulation] Avrutskii MIa, et al. **Anesteziol Reanimatol** 1982 Jan–Feb;(1):22–6 (Eng. Abstr.) **(Rus)**

[Effect of vasodilator agents on the electrolyte balance and the transmural potential difference in the wall of blood vessels] Erikov VM. **Farmakol Toksikol** 1982 Jan–Feb; 45(1):42–6 (Eng. Abstr.) **(Rus)**

[Effect of a magnesium–enriched diet on electrolyte metabolism and oxalate excretion in kidney diseases in children] Gurvich DB, et al. **Vopr Pitan** 1981 Jul–Aug; (4):27–30 (Eng. Abstr.) **(Rus)**

[Clinical significance of the electrolyte barrier and the regenerative capacity of the gastric mucosa] Geller LI, et al. **Vrach Delo** 1981 Dec;(12):23–6 (Eng. Abstr.) **(Rus)**

PHARMACODYNAMICS

Cationic polyelectrolytes, liquoid and leukocyte extract

modulate the binding of IgG to group A streptococcal Fc-receptors. Ginsburg I, et al. **Acta Pathol Microbiol Immunol Scand [B]** 1982 Apr; 90(2):161–8

Divalent cation, ATP-dependent [3H]leu-enkephalin uptake by synaptic vesicle fraction isolated from bovine caudate nucleus. Takeda M, et al. **Brain Res** 1982 Feb 25; 234(2):319–26

Sodium, divalent cations, and guanine nucleotides regulate the affinity of the rat mesenteric artery angiotensin II receptor. Wright GB, et al. **Circ Res** 1982 Apr;50(4):462–9

Role of leukocyte factors and cationic polyelectrolytes in phagocytosis of group A streptococci and Candida albicans by neutrophils, macrophages, fibroblasts and epithelial cells: modulation by anionic polyelectrolytes in relation to pathogenesis of chronic inflammation. Ginsburg I, et al. **Inflammation** 1981 Dec;5(4):289–312

Suppression of mucus secretion in the ciliated epithelium of frog palatine mucosa by perfusion with electrolyte solution. Maruyama I, et al. **Jpn J Pharmacol** 1982 Apr;32(2):237–45

Role of ions in generation of taste nerve responses to electrical tongue stimulation in rats. Ninomiya Y, et al. **Jpn J Physiol** 1981;31(6):891–902

[Ion-sensitivity of arterial baroreceptor (author's transl)] Zhu JL. **Sheng Li Ko Hsueh Chin Chan** 1981 Mar;12(3):223–7 **(Chi)**

[Activation of the antihemophilic globulin A (factor VIII). 3. Activation by servalyte] Liebe S, et al. **Z Gesamte Inn Med** 1982 Mar 1;37(5):153–5 (Eng. Abstr.) **(Ger)**

SECRETION

Hormonal control of secretion in shark rectal gland. Epstein FH, et al. **Ann NY Acad Sci** 1981;372:613–25

Fluid and electrolyte secretion from the isolated, perfused submandibular and sublingual glands of the rat. Compton J, et al. **Arch Oral Biol** 1981;26(7):555–61

Effects of pancreatic polypeptide on the secretion of enzymes and electrolytes by in vitro preparations of rat and cat pancreas. Kim KH, et al. **Yonsei Med J** 1980;21(2):99–105

THERAPEUTIC USE

Balanced salt solution in blood loss replacement. Mattila MA. **Ann Clin Res** 1981;13 Suppl 33:18–20 (20 ref.)

Human kidney preservation by intracellular electrolyte flush followed by cold storage for over 24 hours. Barry JM, et al. **Transplantation** 1981 Dec;32(6):485–7

[Diagnosis and therapy of acute intermittent hepatic porphyria] Anders O, et al. **Z Arztl Fortbild (Jena)** 1981 Apr 15;75(8):362–4 **(Ger)**

URINE

Effects of hydroflumethiazide in congestive heart failure: renal electrolyte excretion related to urinary thiazide excretion and aldosterone. Brørs O, et al. **Acta Pharmacol Toxicol (Copenh)** 1981 Nov;49(5):399–406

Acute effects of increased meat protein on urinary electrolytes and cyclic adenosine monophosphate and serum parathyroid hormone. Licata AA. **Am J Clin Nutr** 1981 Sep;34(9):1779–84

Structural aspects of adaptive changes in renal electrolyte excretion. Kaissling B. **Am J Physiol** 1982 Sep; 243(3):F211–26 (152 ref.)

Spironolactone dose-response relationships in healthy subjects. McInnes GT, et al. **Br J Clin Pharmacol** 1982 Apr;13(4):513–8

Effects of hydrogen peroxide on chemical determinations in urine [letter] Renoe BW, et al. **Clin Chem** 1982 Jul; 28(7):1720–1

Measurement of urine electrolytes: clinical significance and methods. Winter SD. **CRC Crit Rev Clin Lab Sci** 1981; 14(3):163–87 (87 ref.)

The effect of dexamethasone on renal electrolyte excretion in the adrenalectomized rat. Bia JM, et al. **Endocrinology** 1982 Sep;111(3):882–8

Parathyroid hormone, cAMP, electrolytes and uric acid after high dose CaCl2 in patients with idiopathic stone formation. Dunzendorfer U, et al. **Endokrinologie** 1981 Mar; 77(3):353–9

Effects of captopril on urinary excretion of prostaglandins and electrolytes in spontaneously hypertensive rats. Miyamoto M, et al. **Eur J Pharmacol** 1981 Dec 3; 76(2–3):187–92

Evaluation of serum and urinary electrolytes. Harrington JT. **Hosp Pract** 1982 Mar;17(3):28–32, 39

Effects of tienilic acid used alone and in association with triamterene or amiloride on urinary excretion of electrolytes. Ambrosioni E, et al. **Int J Clin Pharmacol Ther Toxicol** 1981 Oct;19(10):445–9

Effects of loop diuretics on carbohydrate metabolism and electrolyte excretion. Robinson DS, et al. **J Clin Pharmacol** 1981 Nov–Dec;21(11–12 Pt 2):637–46

The relationship between plasma renin activity and renal electrolyte excretion in the fetal sheep. Stevens AD, et al. **J Dev Physiol** 1981 Apr;3(2):101–10

Morphine antidiuresis in the rat: biphasic effect of the opiate on the excretion of urine electrolytes. Huidobro F, et al. **J Pharm Pharmacol** 1981 Dec;33(12):815–6

Renal tubule transport and electrolyte effects of amiloride in the chicken. Besseghir K, et al. **J Pharmacol Exp Ther** 1981 Nov;219(2):435–41

Mental symptoms, weight changes, and electrolyte excretion in the first post partum week. Stein G, et al. **J Psychosom Res** 1981;25(5):395–408

Urinary excretion of prostaglandins and electrolytes in developing children. Benzoni D, et al. **Kidney Int** 1981 Sep; 20(3):386–8

Effects of zomepirac and indomethacin on renal blood flow and electrolyte excretion in anesthetized monkeys. Moore GK, et al. **Life Sci** 1981 Sep 28;29(13):1309–15

The influence of intravenous infusion of electrolytes on the diurnal excretory rhythms. Roelfsema F, et al. **Life Sci** 1982 Mar 1;30(9):771–8

Fluid and electrolyte excretion in sheep: comparison of the effect of reduced food and water intake with oestrus. Michell AR. **Q J Exp Physiol** 1981 Oct;66(4):515–24

Effect of exogenous adenosine 3':5'-cyclic monophosphate, parathyroid hormone and acetazolamide on electrolyte hormone and acetazolamide on electrolyte excretion by the isolated perfused rat kidney. Besarab A, et al. **Renal Physiol** 1982 May–Jun;5(3):124–35

Changes in blood composition and urinary mineral excretion in the sheep in response to acute acid–base disturbance. Scott D, et al. **Res Vet Sci** 1981 Jul;31(1):43–7

[Circadian rhythms in rat and mouse urinary electrolytes and nitrogen derivatives excretion (author's transl)] Cambar J, et al. **J Physiol (Paris)** 1981 Mar;77(8):887–90 (Eng. Abstr.) **(Fre)**

[Relationship among urine, urinary electrolyte excretions, renin aldosterone- and kallikrein-system in healthy young Japanese and American women--analysis of circadian rhythm by Cosinor method and correlation of acrophase and amplitude in circadian rhythm among the variables (author's transl)] Ueno M. **Fukuoka Igaku Zasshi** 1982 Feb; 73(2):109–24 (Eng. Abstr.) **(Jpn)**

[Investigations of the causes of urolithiasis. 2. The influence of menstrual cycle on the excretion of citric acid and electrolytes (author's transl)] Iguchi M, et al. **Nippon Hinyokika Gakkai Zasshi** 1981 Jul;72(7):856–64 (Eng. Abstr.) **(Jpn)**

[The pharmacology of salicylates. VI. Its effect on the kidneys and water and salt metabolism] Buchanec J, et al. **Cesk Pediatr** 1982 Feb;37(2):62–5 (Eng. Abstr.) **(Slo)**

ELECTROMAGNETIC FIELDS see under **ELECTROMAGNETICS**

ELECTROMAGNETIC RADIATION see **RADIATION**

ELECTROMAGNETIC RADIATION, IONIZING see **RADIATION, IONIZING**

ELECTROMAGNETIC RADIATION, NON-IONIZING see **RADIATION, NON-IONIZING**

ELECTROMAGNETICS

Electromagnetic and electric field configurations produced by two coils. Dierickx M, et al. **Acta Orthop Scand [Suppl]** 1982;196:19–38

Morphological effect of electromagnetic stimulation on the skeleton of fetal or newborn mice. Hinsenkamp MG, et al. **Acta Orthop Scand [Suppl]** 1982;196:39–50

Histochemical modifications induced 'in vitro' by electromagnetic stimulation of growing bone tissues. Rooze MA, et al. **Acta Orthop Scand [Suppl]** 1982;196:51–62

Magnetic location of cortical activity. Kaufman L, et al. **Ann NY Acad Sci** 1982;388:197–213

The effect of a constant and uniform magnetic field on mouse brain: a study by magnetic nuclear resonance. Bellossi A, et al. **Aviat Space Environ Med** 1981 Sep;52(9):537–9

Behavioral responses of pigeons to high-intensity 60-Hz electric fields. Cooper LJ, et al. **Behav Neural Biol** 1981 Jun;32(2):214–28

Corticosterone levels in mice exposed to high-intensity electric fields. Hackman RM, et al. **Behav Neural Biol** 1981 Jun;32(2):201–13

Sub-microsecond chlorophyll a delayed fluorescence from photosystem I. Magnetic field-induced increase of the emission yield. Sonneveld A, et al. **Biochim Biophys Acta** 1981 Jun 12;636(1):39–49

The interaction of acoustical and electromagnetic fields with biological systems. **Bioelectromagnetics** 1982;3(1):1–177

Electromagnetic absorption in a multilayered slab model of tissue under near-field exposure conditions. Chatterjee I, et al. **Bioelectromagnetics** 1980;1(4):379–88

Plane-wave spectrum approach for the calculation of electromagnetic absorption under near-field exposure conditions. Chatterjee I, et al. **Bioelectromagnetics** 1980; 1(4):363–77

Studies of exposure of rabbits to electromagnetic pulsed fields. Cleary SF, et al. **Bioelectromagnetics** 1980; 1(3):345–52

What are non-thermal electric biological effects? Fröhlich H. **Bioelectromagnetics** 1982;3(1):45–6

Electromagnetic absorption in an inhomogeneous model of man for realistic exposure conditions. Gandhi OP. **Bioelectromagnetics** 1982;3(1):81–90

Determination of electric current distributions in animals and humans exposed to a uniform 60-Hz high-intensity electric field. Guy AW, et al. **Bioelectromagnetics** 1982;3(1):47–71

Growth and metabolism of rodents exposed to 60-Hz electric fields. Hilton DI, et al. **Bioelectromagnetics** 1981; 2(4):381–90

Effects of 60-Hz electric fields on avoidance behavior and activity of rats. Hjeresen DL, et al. **Bioelectromagnetics** 1980;1(3):299–312

Immunologic and hematopoietic alterations by 2,450-MHz electromagnetic radiation. Huang AT, et al. **Bioelectromagnetics** 1980;1(1):77–87

Chronic exposure to a 60-Hz electric field: effects on neuromuscular function in the rat. Jaffe RA, et al. **Bioelectromagnetics** 1981;2(3):227–39

Equalizing the electric field intensity within chick brain immersed in buffer solution at different carrier frequencies. Joines WT, et al. **Bioelectromagnetics** 1981;2(4):411–3

Power-frequency electric fields averaged over the body surfaces of grounded humans and animals. Kaune WT. **Bioelectromagnetics** 1981;2(4):403–6

Physiologic regulation in electromagnetic fields. Michaelson SM. **Bioelectromagnetics** 1982;3(1):91–103

Radiofrequency electromagnetic fields in Swedish radio stations and tall FM/TV towers. Mild KH. **Bioelectromagnetics** 1981;2(1):61–9

Inhibition of growth rate of Escherichia coli induced by extremely low-frequency weak magnetic fields. Ramon C, et al. **Bioelectromagnetics** 1981;2(3):285–9

Effects of intermittent 60-Hz high voltage electric fields on metabolism, activity, and temperature in mice. Rosenberg RS, et al. **Bioelectromagnetics** 1981;2(4):291–303

Temporal variation of the static electric field inside an animal cage. Shigemitsu T, et al. **Bioelectromagnetics** 1981; 2(4):391–402

A thermal model of the human body exposed to an electromagnetic field. Spiegel RJ, et al. **Bioelectromagnetics** 1980;1(3):253–70

Chronic exposure to 60-Hz electric fields: effects on pineal function in the rat. Wilson BW, et al. **Bioelectromagnetics** 1981;2(4):371–80

Evaluation of electrical fields inside a biological structure. Drago GP, et al. **Br J Cancer [Suppl]** 1982 Mar;45(5):215–9

Temperature distributions produced by 13–56 MHz EM radiation in various phantoms. Herbst M, et al. **Br J Cancer [Suppl]** 1982 Mar;45(5):41–5

Nonthermal cellular effects of electromagnetic fields AC-field induced ponderomotoric forces. Schwan HP. **Br J Cancer [Suppl]** 1982 Mar;45(5):220–4

Pulsing electromagnetic fields: a new method to modify cell behavior in calcified and noncalcified tissues. Bassett CA. **Calcif Tissue Int** 1982 Jan;34(1):1–8

Effects of a pulsed electromagnetic field on a mixed chondroblastic tissue culture. Norton LA. **Clin Orthop** 1982 Jul;(167):280–90

Remanent magnetic fields for measuring particle retention and distribution in the lungs. Halpern M, et al. **Exp Lung Res** 1981 Mar;2(1):27–35

Hygienic norms for radiofrequency electromagnetic fields in the People's Republic of Bulgaria [letter] Dobrev B, et al. **Health Phys** 1981 Jul;41(1):201–2

ELF electric field coupling to dielectric spheroidal models of biological objects. Shiau Y, et al. **IEEE Trans Biomed Eng** 1981 Jun;28(6):429–37

Embryological changes induced by weak, extremely low frequency electromagnetic fields. Delgado JM, et al. **J Anat** 1982 May;134 (Pt 3):533–51

The treatment of fibrous non-union of fractures by pulsing electromagnetic stimulation. Sharrard WJ, et al. **J Bone Joint Surg [Br]** 1982;64(2):189–93

Thyroid blood flow rate in man. Electromagnetic flowmetry during operation in euthyroid normal gland, nontoxic goiter, and hyperthyroidism. Tegler L, et al. **J Endocrinol Invest** 1981 Jul–Sep;4(3):335–41

Magnetic enrichment of antibody-secreting cells. Owen CS, et al. **J Immunol Methods** 1982 Jun 11;51(2):171–81

Hyperthermia production for cancer therapy: a review of fundamentals and methods. Christensen DA, et al. **J Microwave Power** 1981 Jun;16(2):89–105 (44 ref.)

Alexander Popov. Shampo MA, et al. **JAMA** 1982 Sep 10; 248(10):1189

Hans Christian Orsted. Shampo MA, et al. **JAMA** 1982 Aug 27;248(8):939

The use of rare-earth magnet couplers in cochlear implants. Dormer KJ, et al. **Laryngoscope** 1981 Nov;91(11):1812–20

Circular planar coil as electromagnetic movement detector of inside organs in biosystems: the fundamental design relationships. Bramanti M. **Med Biol Eng Comput** 1982 Mar; 20(2):202–6

Influence on frog retina of alternating magnetic fields with special reference to ganglion cell activity. Lövsund P, et al. **Med Biol Eng Comput** 1981 Nov;19(6):679–85

Magnetic field resulting from action currents on cylindrical fibres. Plonsey R. **Med Biol Eng Comput** 1981 May; 19(3):311–5

Analysis of the coupling of electromagnetic interference to unipolar cardiac pacemakers. Smith GS, et al. **Med Biol Eng Comput** 1981 Jan;19(1):97–109

Reduction of capsular contracture with two-stage augmentation mammaplasty and pulsed electromagnetic energy (Diapulse therapy). Silver H. **Plast Reconstr Surg** 1982 May;69(5):802–8

The interaction of acoustical and electromagnetic fields with biological systems. A collection of papers from the symposium honoring Professor Herman P. Schwan on the occasion of his 65th birthday. Philadelphia, November 24 and 25, 1980. **Prog Clin Biol Res** 1982;86:1–183

Molecular electrostatic potential of the nucleic acids. Pullman A, et al. **Q Rev Biophys** 1981 Aug;14(3):289–380 (151 ref.)
Electromagnetic power transfer system. Brueschke EE, et al. **Trans Am Soc Artif Intern Organs** 1981;27:84–9
[Pulse magnetic fields in different algic conditions of the locomotor apparatus (author's transl)] Jeřábek J. **Cas Lek Cesk** 1981 Oct 22;120(42):1277–9 (Eng. Abstr.) **(Cze)**
[The effect of magnetic fields on coxarthroses] Reháček J, et al. **Fysiatr Reumatol Vestn** 1982 Apr;60(2):66–8 (Eng. Abstr.) **(Cze)**
[A measuring apparatus for pacemaker interference by electromagnetic fields] van Nimwegen C. **Ned Tijdschr Geneeskd** 1981 Oct 17;125(42):1709–10 **(Dut)**
[An intra-ocular electromagnet (author's transl)] Buffet JM, et al. **J Fr Ophtalmol** 1981;4(6-7):509–10 (Eng. Abstr.) **(Fre)**
[Osteogenesis and bone growth. Modification by electrical and electromagnetic effects] Ungethüm M. **MMW** 1982 Jul 2;124(26):621–2 **(Ger)**
[Measurement of animal movements by magnet induction] Petry H. **Z Tierphysiol Tiernahr Futtermittelkd** 1982; 47(4):210–20 (Eng. Abstr.) **(Ger)**
[Critical notes on thermodosimetry and a hypothesis on the use of computerized tomography in electromagnetic oncologic hyperthermia] Bistolfi F. **Minerva Med** 1982 Jun 30;73(27):1891–8 (Eng. Abstr.) **(Ita)**
[Measurement of aortic input impedance in children with a catheter-tip electromagnetic velocity probe (author's transl)] Matsumoto H, et al. **Kokyu To Junkan** 1982 Mar; 30(3):283–8 **(Jpn)**
[Measurement and hygienic evaluation of electromagnetic fields in the environment of diathermy, welding machines and induction heaters] Aniołczyk H. **Med Pr** 1981; 32(2):119–28 (Eng. Abstr.) **(Pol)**
[Glycosaminoglycans in the brain of rats subjected to electromagnetic field action] Matych S. **Med Pr** 1981; 32(6):393–402 (Eng. Abstr.) **(Pol)**
[Action of low-intensity electromagnetic fields on human and animal erythrocytes] Shabaev VP. **Kosm Biol Aviakosm Med** 1982 May-Jun;16(3):91–2 **(Rus)**
[Effect of magnetic field and cholinergic preparations on intraocular pressure under experimental conditions] Komissarov IV, et al. **Oftalmol Zh** 1981;36(6):335–7 (Eng. Abstr.) **(Rus)**
[Effect of continuous and impulse magnetic fields on the ultrastructure of various parts of the eye] Skrinnik AV, et al. **Oftalmol Zh** 1981;36(6):331–4 (Eng. Abstr.) **(Rus)**
[Biological system reactions to adequate weak low-frequency electromagnetic fields] Kislovskiĭ LD. **Probl Kosm Biol** 1982;43:148–66 (36 ref.) **(Rus)**
[Biological effectiveness of an infralow-frequency weak electromagnetic field] Temur'iants NA. **Probl Kosm Biol** 1982;43:128–39 **(Rus)**
[Neural and cardiac activity changes in animals of various ages exposed to low-frequency and low-intensity electromagnetic fields] Volynskiĭ AM. **Probl Kosm Biol** 1982;43:98–108 **(Rus)**
[Effect of a 50-Hz electromagnetic field on cell passage of mitotic cycle periods] Panchuk AS, et al. **Tsitol Genet** 1981 Jul-Aug;15(4):19–22 **(Rus)**
[Metabolic changes in experimental animals as one of the indices of the biological action of 50-Hz electromagnetic fields] Tomashevskaia LA, et al. **Vrach Delo** 1981 Jul; (7):98–100 **(Rus)**

ADVERSE EFFECTS

Alterations in the rat electrocardiogram induced by stationary magnetic fields. Gaffey CT, et al. **Bioelectromagnetics** 1981;2(4):357–70
Biological effects of a 765-kV transmission line: exposures and thresholds in honeybee colonies. Greenberg B, et al. **Bioelectromagnetics** 1981;2(4):315–28
Inhibition and recovery of growth processes in roots of Pisum sativum L. exposed to 60-Hz electric fields. Robertson D, et al. **Bioelectromagnetics** 1981;2(4):329–40
Environmental power-frequency magnetic fields and suicide. Perry FS, et al. **Health Phys** 1981 Aug;41(2):267–77
Effects of high-intensity power-frequency electric fields on implanted modern multiprogrammable cardiac pacemakers. Butrous GS, et al. **J R Soc Med** 1982 May;75(5):327–31
[Protection of personnel exposed to very high frequency electromagnetic fields (author's transl)] Servantie B. **Bull Cancer (Paris)** 1981;68(3):255–60 (Eng. Abstr.) **(Fre)**
[Neurological status and EEG studies in workers exposed to electromagnetic fields of 27-30 MHz] Sinczuk-Walczak H, et al. **Med Pr** 1981;32(3):227–31 (Eng. Abstr.) **(Pol)**
[Pathomorphological reactions of the cerebral cortex nerve elements during treatment with an alternating magnetic field] Toroptsev IV, et al. **Arkh Patol** 1981;43(11):33–6 (Eng. Abstr.) **(Rus)**
[Meteorological radars as an energy source of a superhigh-frequency range electromagnetic field and environmental hygiene problems] Dumanskiĭ IuD, et al. **Gig Sanit** 1982 Feb;(2):7–11 (Eng. Abstr.) **(Rus)**
[Effect of a superhigh-frequency electromagnetic field on animals of different ages] Shutenko OI, et al. **Gig Sanit** 1981 Oct;(10):35–8 (Eng. Abstr.) **(Rus)**
[Pathologico-anatomic characteristics of experimental myocardial infarct in exposure to low-frequency low-intensity electromagnetic fields] Artishchenko VA, et al. **Probl Kosm Biol** 1982;43:139–47 **(Rus)**

DIAGNOSTIC USE

'The vibrometer'. An electro magnetic transducer as an attempt to examine sensibility of the hand in quantitative terms. Mansat M, et al. **Hand** 1981 Jun;13(2):202–10
Measurement of eye movement with a ferromagnetic contact ring. Zeevi YY, et al. **IEEE Trans Biomed Eng** 1982 Jul; 29(7):511–22
Noninvasive flowmetry in vascular surgery: use of a noninvasive electromagnetic flowmeter. Lee BY, et al. **Jpn J Surg** 1981;11(4):219–25

INSTRUMENTATION

An amplitude and phase regulating magnetic field generator for an eye movement monitor. Optican LM, et al. **IEEE Trans Biomed Eng** 1982 Mar;29(3):206–9
Electromagnetic blood flowmetry [letter] Nigra CA. **Plast Reconstr Surg** 1981 Oct;68(4):647
[A device for the preparation of crushed cortical bone (author's transl)] Meiss L, et al. **Unfallchirurgie** 1981 Aug; 7(4):191–3 (Eng. Abstr.) **(Ger)**
[Methods of dynamic calibration of electromagnetic flowmeters] Meshcherskiĭ EL, et al. **Biull Eksp Biol Med** 1981 Jul;92(7):122–4 **(Rus)**
[Use of electromagnetic flowmetering in cardiovascular surgery] Zaretskiĭ VV, et al. **Khirurgiia (Mosk)** 1982 Apr; (4):102–6 **(Rus)**
[Energy spectrum of electromagnetic radiation in the linear electron accelerator] Vatnitskiĭ SM, et al. **Med Radiol (Mosk)** 1982 Feb;27(2):65–8 (Eng. Abstr.) **(Rus)**

METHODS

Estimation of body composition: a new approach based on electromagnetic principles. Harrison GG, et al. **Am J Clin Nutr** 1982 May;35(5 Suppl):1176–9

THERAPEUTIC USE

Electromagnetic stimulation of bone growth and repair. An interdisciplinary study. **Acta Orthop Scand [Suppl]** 1982; 196:1–91
Treatment of non-unions by electromagnetic stimulation. Hinsenkamp MG. **Acta Orthop Scand [Suppl]** 1982; 196:63–79
Results of non unions treatment by pulsed electromagnetic field stimulation. Sedel L, et al. **Acta Orthop Scand [Suppl]** 1982;196:81–91
False claims for magnetotherapy [letter] Orpin JA. **Can Med Assoc J** 1982 Jun 15;126(12):1375
Congenital pseudoarthrosis of the tibia: treatment with pulsing electromagnetic fields. Kort JS, et al. **Clin Orthop** 1982 May;(165):124–37
The treatment of congenital pseudarthrosis of the tibia with pulsing electromagnetic fields. A survey of 52 cases. Sutcliffe ML, et al. **Clin Orthop** 1982 Jun;(166):45–57
Hyperthermia: electromagnetic heating of deep-seated tumors. Elliott RS, et al. **IEEE Trans Biomed Eng** 1982 Jan;29(1):61–4
Modification of fracture repair with selected pulsing electromagnetic fields. Bassett CA, et al. **J Bone Joint Surg [Am]** 1982 Jul;64(6):888–95
Pulsing electromagnetic fields in the treatment of non-union of fractures. Caullay JM, et al. **J R Coll Surg Edinb** 1982 Mar;27(2):102–7
Pulsing electromagnetic field treatment in ununited fractures and failed arthrodeses. Bassett CA, et al. **JAMA** 1982 Feb 5;247(5):623–8
Electromagnetic fields and bones [editorial] Compere CL. **JAMA** 1982 Feb 5;247(5):669
Pulsing electromagnetic field treatment [letter] Irvine RD. **JAMA** 1982 Aug 27;248(8):921
Effects of high peak pulsed electromagnetic fields on degeneration and regeneration of the common peroneal nerve in rats [letter] Raji AR, et al. **Lancet** 1982 Aug 21; 2(8295):444–5
Electromagnetic stimulation of the rat pancreas and the lowering of serum glucose levels. Milch PO, et al. **Trans Am Soc Artif Intern Organs** 1981;27:246–9
[Treatment of pseudoarthrosis by electromagnetic stimulation] Hinsenkamp MG. **Rev Med Brux** 1982 Jan; 3(1):19–28 (Eng. Abstr.) **(Fre)**
[Radiologic evaluation of bone union of the radius in fresh fractures in rats subjected to magnetic field action] Synder M. **Chir Narzadow Ruchu Ortop Pol** 1981;46(6):517–21 (Eng. Abstr.) **(Pol)**
[Acute experimental emotional stress in rabbits in a modulated electromagnetic field] Gorbunova AV, et al. **Izv Akad Nauk SSSR [Biol]** 1981 Sep-Oct;(5):774–80 (Eng. Abstr.) **(Rus)**
[Experimental substantiation of the possible use of magnetophoresis and magnetophonophoresis in ophthalmology] Marmur RK, et al. **Oftalmol Zh** 1981; 36(4):231–4 (Eng. Abstr.) **(Rus)**
[Results of the use of magnetic field in ophthalmology] Skripka VK. **Oftalmol Zh** 1981;36(6):321–5 (Eng. Abstr.) **(Rus)**
[Alternating magnetic field in the treatment of various eye diseases of vascular etiology] Vaĭnshteĭn ES, et al. **Oftalmol Zh** 1981;36(6):325–8 (Eng. Abstr.) **(Rus)**
[Use of continuous magnetic field of magnetoelasts in ophthalmological practice] Zaĭkova MV, et al. **Oftalmol Zh** 1981;36(6):328–31 (Eng. Abstr.) **(Rus)**
[Effect of sinusoid modulated currents on circulation in the organs of the minor pelvis in patients with chronic salpingo-oophoritis (adhesive variant)] Iasnogorodskiĭ VG, et al. **Vopr Kurortol Fizioter Lech Fiz Kult** 1981 Nov-Dec; (6):41–3 (Eng. Abstr.) **(Rus)**
[Cerebral hemodynamics in children with cerebral palsy and dysarthria during treatment with sinusoid modulated currents] Strelkova NI, et al. **Vopr Kurortol Fizioter Lech Fiz Kult** 1981 Nov-Dec; (6):37–41 (Eng. Abstr.) **(Rus)**
[Efficacy of physical factors in the complex rehabilitation of children after the surgical setting of the congenital hip dislocation] Vadbol'skaia ZI, et al. **Vopr Kurortol Fizioter Lech Fiz Kult** 1981 Nov-Dec; (6):33–7 (Eng. Abstr.) **(Rus)**
[Heat distribution in the tissues of animals exposed to UHF radiation] Svetitskiĭ PV. **Vopr Onkol** 1981;27(12):39–43 **(Rus)**
[Treatment of lumbosacral radiculitis] Chopchik DI. **Vrach Delo** 1981 Mar;(3):105–6 (Eng. Abstr.) **(Rus)**
[Effectiveness of decimeter wave and magnetophore therapy in hypertension] Orzheshkovskiĭ VV, et al. **Vrach Delo** 1982 Jan;(1):65–7 **(Rus)**
[Decimeter wave therapy in the rehabilitation of stroke patients] Sitel' AB. **Zh Nevropatol Psikhiatr** 1981; 81(8):1166–72 (Eng. Abstr.) **(Rus)**
[Status of cerebral circulation in patients with hemiplegia of vascular and traumatic origin treated with decimeter therapy and an alternating magnetic field] Strelkova NI, et al. **Zh Nevropatol Psikhiatr** 1981;81(8):1162–6 (Eng. Abstr.) **(Rus)**

ELECTROMYOGRAPHY

Electromyographic findings in Steinert's disease. Hausmanowa-Petrusewicz I, et al. **Acta Neurol Belg** 1982 May-Jun;82(3):138–44
Bell's palsy – part of a polyneuropathy? Sandstedt P, et al. **Acta Neurol Scand** 1981 Jul;64(1):66–73
Quantitative electromyography in polymyositis and dermatomyositis. Sandstedt PE, et al. **Acta Neurol Scand** 1982 Feb;65(2):110–21
A clinical evaluation of anorectal electromyography in the diagnosis of Hirschsprung's disease. Sharma LK, et al. **Acta Paediatr Scand** 1981 Nov;70(6):865–7
Blood pressure and heart rate response to static exercise in relation to electromyographic activity and force development. Schibye B, et al. **Acta Physiol Scand** 1981 Sep;113(1):61–6
Electroconvulsive therapy: a comparison of seizure duration as monitored with electroencephalograph and electromyograph. Sørensen P, et al. **Acta Psychiatr Scand** 1981 Sep;64(3):193–8
Single fiber electromyography. A method for the evaluation of motor axonopathy during toxicity studies in dogs. Schaeppi U, et al. **Agents Actions** 1981 Nov;11(5):510–4
Electromyographic study of several lower limb muscles during maintenance of dynamic balance in the frontal plane. Dvir Z, et al. **Agressologie** 1982 Apr;23(2):71–3
Independently controlled EMG responses in treadmill locomotion by cats. Wetzel MC. **Am J Phys Med** 1981 Dec;60(6):292–310
Patellar pain and quadriceps rehabilitation. An EMG study. Wild JJ Jr, et al. **Am J Sports Med** 1982 Jan-Feb;10(1):12–5
Electrical and mechanical activity of the diaphragm accompanying body position in severe chronic obstructive pulmonary disease. Druz WS, et al. **Am Rev Respir Dis** 1982 Mar;125(3):275–80
Diaphragmatic and genioglossal electromyogram responses to isocapnic hypoxia in humans. Onal E, et al. **Am Rev Respir Dis** 1981 Sep;124(3):215–7
How to validate myasthenia gravis in the patient with a diagnostic problem. Desmedt JE. **Ann NY Acad Sci** 1981; 377:583–605
Electromyographic evidence of inferior gluteal nerve compromise: an early representation of recurrent colorectal carcinoma. LaBan MM, et al. **Arch Phys Med Rehabil** 1982 Jan;63(1):33–5
Electromyographic feedback: effects on voluntary muscle contractions in normal subjects. Middaugh SJ, et al. **Arch Phys Med Rehabil** 1982 Jun;63(6):254–60
Electromyographic findings in various forms of progressive systemic sclerosis. Hausmanowa-Petrusewicz I, et al. **Arthritis Rheum** 1982 Jan;25(1):61–5
Comparative effectiveness of patterned biofeedback vs meditation training on EMG and skin temperature changes. Credidio SG. **Behav Res Ther** 1982;20(3):233–41
Effectiveness of multiple muscle-site EMG biofeedback and relaxation training in reducing the aversiveness of cancer chemotherapy. Burish TG, et al. **Biofeedback Self Regul** 1981 Dec;6(4):523–35
Effects of EMG and thermal feedback training on tinnitus: a case study. Elfner LF, et al. **Biofeedback Self Regul** 1981 Dec;6(4):517–21
A comparison of skin temperature and EMG training for primary dysmenorrhea. Hart AD, et al. **Biofeedback Self Regul** 1981 Sep;6(3):367–73

A comparison of EMG feedback and alternative anxiety treatment programs. Hiebert BA, et al. **Biofeedback Self Regul** 1981 Dec;6(4):501–16

Using biofeedback to reduce left arm extensor EMG of string players during musical performance. Morasky RL, et al. **Biofeedback Self Regul** 1981 Dec;6(4):565–72

The effect of electrode placement on frontalis EMG measurement in headache patients. Sanders SH, et al. **Biofeedback Self Regul** 1981 Dec;6(4):473–81

CNV and EMG preceding a plantar flexion of the foot. Brunia CH, et al. **Biol Psychol** 1980 Nov–Dec; 11(3–4):181–91

Progressive relaxation, EMG biofeedback and biofeedback placebo in the treatment of sleep–onset insomnia. Nicassio PM, et al. **Br J Med Psychol** 1982 Jun;55(Pt 2):159–66

Digital approaches to myoelectric state control of prostheses. Philipson L, et al. **Bull Prosthet Res** 1981 Fall;18(2):3–11

Variability of electromyographic patterns for level–surface walking through a range of self–selected speeds. Shiavi R, et al. **Bull Prosthet Res** 1981 Spring;18(1):5–14

Electromyographic findings in patients with low back pain due to unsuspected primary and metastatic spinal or paraspinal muscle disease. Boruta PM, et al. **Clin Orthop** 1981 Nov–Dec;(161):235–41

EMG–force relationships in skeletal muscle. Perry J, et al. **Crit Rev Biomed Eng** 1981;7(1):1–22 (151 ref.)

Society proceedings: Società Italiana di Elettroencefalografia e Neurofisiologia Clinica. Capri, May 29–31, 1980. Abstracts. **Electroencephalogr Clin Neurophysiol** 1982 Jul; 54(1):1P–18P

Is the functional stretch response servo controlled or preprogrammed? Chan CW, et al. **Electroencephalogr Clin Neurophysiol** 1982 Mar; 53(3):310–24

An adaptable, multiple plate dynamometer and electromyograph for the study of quadruped postural responses. Di Fabio RP, et al. **Electroencephalogr Clin Neurophysiol** 1982 Aug;54(2):235–6

Calculation and registration of the same motor unit action potential. Griep PA, et al. **Electroencephalogr Clin Neurophysiol** 1982 Apr; 53(4):388–404

A simulation model for the study of EMG signals in normal and pathological conditions. Maranzana Figini M, et al. **Electroencephalogr Clin Neurophysiol** 1981 Oct; 52(4):378–81

Electromyographic study of quadriceps femoris in man. Duarte Cintra AI, et al. **Electromyogr Clin Neurophysiol** 1981 Sep–Oct;21(6):539–54

Spreading of potentials along the muscle, investigated by averaging of the summated EMG. Gydikov A. **Electromyogr Clin Neurophysiol** 1981 Sep–Oct;21(6):525–38

dT–dL analysis of surface electromyogram during muscle fatigue. 7. On the two types of EMG pattern with fatigue. Ohkoshi K. **Electromyogr Clin Neurophysiol** 1981 Nov–Dec;21(7):643–50

EMG aspects of the facial muscles reinnervation after seventh nerve autogenous grafts. Valli G, et al. **Electromyogr Clin Neurophysiol** 1981 Sep–Oct;21(6):575–84

Computer–based analysis of electromyographic silent period parameters in jaw muscles during clenching in man. van der Glas HW, et al. **Electromyogr Clin Neurophysiol** 1981 Nov–Dec;21(7):627–41

The effect of acoustic masking on the silent period in the Masseter electromyogram in man during sustained isometric contraction. van Steenberghe D, et al. **Electromyogr Clin Neurophysiol** 1981 Nov–Dec; 21(7):611–25

Evaluation of EMG parameters for analysis and quantification of hemiparesis. Visser SL, et al. **Electromyogr Clin Neurophysiol** 1981 Nov–Dec; 21(7):591–610

Serial action potential analysis in Guillain–Barré syndrome. Takahashi K, et al. **Folia Psychiatr Neurol Jpn** 1981; 35(4):511–20

Dynamic gait electromyography study in Duchenne muscular dystrophy (DMD) patients. Melkonian GJ, et al. **Foot Ankle** 1980 Sep;1(2):78–83

EMG pattern analysis and classification for a prosthetic arm. Saridis GN, et al. **IEEE Trans Biomed Eng** 1982 Jun; 29(6):403–12

Spectral analysis of surface motor unit action potentials and surface interference electromyogram. Tanzi F, et al. **IEEE Trans Biomed Eng** 1981 Apr;28(4):318–24

Influence of the motor unit action potential morphology (MUAP) on the EMG signal: theoretical and experimental study. Figini MM, et al. **Int J Biomed Comput** 1981 Nov; 12(6):471–82

EMG changes in chronically dialyzed uraemic subjects undergoing d, l–Carnitine treatment. Rossini PM, et al. **Ital J Neurol Sci** 1981 Aug;2(3):255–62

Value and limitations of electro–myography and of radiculography in the diagnosis of lumbar disc hernia (retrospective analysis of 150 cases operated on). Cavina C, et al. **Ital J Orthop Traumatol** 1981 Apr;7(1):115–21

Conduction velocity and EMG power spectrum changes in fatigue of sustained maximal efforts. Bigland–Ritchie B, et al. **J Appl Physiol** 1981 Nov;51(5):1300–5

Effect of pH on sensation and vastus lateralis electromyogram during cycling exercise. Kostka CE, et al. **J Appl Physiol** 1982 May;52(5):1181–5

EMG to force processing I: An electrical analogue of the Hill muscle model. Hof AL, et al. **J Biomech** 1981; 14(11):747–58

Characteristics of chronically anxious patients who respond to EMG feedback training. Lavellée YJ, et al. **J Clin Psychiatry** 1982 Jun;43(6):229–30

Abnormal force–-EMG relations in paretic limbs of hemiparetic human subjects. Tang A, et al. **J Neurol Neurosurg Psychiatry** 1981 Aug;44(8):690–8

Imagery encouragement absorption capacity, and relaxation during electromyograph biofeedback. Qualls PJ, et al. **J Pers Soc Psychol** 1981 Aug;41(2):370–9

Amplitude– and instruction–dependent modulation of movement–related electromyogram activity in humans. Brown SH, et al. **J Physiol (Lond)** 1981 Jul;316:97–107

Abdominal wall electromyography: a noninvasive technique to improve pediatric urodynamic accuracy. Koff SA, et al. **J Urol** 1982 Apr;127(4):736–9

Investigations on the origin of hallux valgus by electromyographic analysis. Shimazaki K, et al. **Kobe J Med Sci** 1981 Aug;27(4):139–58

Diaphragmatic EMG in studies of inspiratory 'off–switch' threshold in humans. Onal E, et al. **Lung** 1981;159(5):265–73

Analogue automated analysis of small intestinal electromyogram. Crenner F, et al. **Med Biol Eng Comput** 1982 Mar;20(2):151–8

Effects of respiratory movement on the amplitude and configuration of H–wave. Ohnuki Y, et al. **Med J Osaka Univ** 1981 Mar;31(3–4):63–5

Electromyographic manifestations of muscular fatigue. Moritani T, et al. **Med Sci Sports Exerc** 1982;14(3):198–202

Pathophysiology of fasciculations in ALS as studied by electromyography of single motor units. Conradi S, et al. **Muscle Nerve** 1982 Mar;5(3):202–8

EMG in detection of heterozygote carriers of recessive generalized myotonia [letter] Streib EW, et al. **Muscle Nerve** 1982 Feb;5(2):179–81

A new method for quantitative analysis of myoelectric spikes synchronization. Neştianu V, et al. **Neurol Psychiatr (Bucur)** 1981 Oct–Dec;19(4):283–8

Electromyographic distinction between paramyotonia congenita and myotonia congenita: effect of cold. Nielsen VK, et al. **Neurology (NY)** 1982 Aug;32(8):827–32

Posttetanic potentiation in a patient with myasthenia gravis. Singer P, et al. **Neurology (NY)** 1981 Oct;31(10):1345–7

Effects of health locus of control and health value upon EMG biofeedback training. Carlson RH, et al. **Percept Mot Skills** 1982 Feb;54(1):111–8

Relationship between frontalis muscle tension and digital skin temperature during EMG biofeedback. Cinciripini PM. **Percept Mot Skills** 1982 Jun;54(3):895–8

EMG biofeedback training for a mentally retarded individual with cerebral palsy. Asato H, et al. **Phys Ther** 1981 Oct; 61(10):1447–51

Pelvic floor function in women with detrusor instability. Mayo ME. **Prog Clin Biol Res** 1981;78:91–9

Frequency power spectrum analysis of sphincter electromyography. Puers B, et al. **Prog Clin Biol Res** 1981; 78:151–60

Urodynamic and neurophysiologic significance of sacral somatic activity in the retention state of spinal shock patients. Rossier AB, et al. **Prog Clin Biol Res** 1981; 78:161–78

Urethral sphincter electromyography in urinary voiding disorders. Whitfield HN, et al. **Prog Clin Biol Res** 1981; 78:85–90

Electromyographic assessment of neonatal muscle tone. Marcus J, et al. **Psychiatry Res** 1982 Feb;6(1):31–40

Comparison of frontal EMG biofeedback and several types of relaxation instructions in reducing multiple indices of arousal. Burish TG, et al. **Psychophysiology** 1981 Sep; 18(5):594–602

Electromyographic specificity during covert information processing. Cacioppo JT, et al. **Psychophysiology** 1981 Sep; 18(5):518–23

The electromyographic silent period in Huntington's chorea–-a comparison between childhood and adult values. Sandyk R. **S Afr Med J** 1982 Feb 27;61(9):316–7

Comparative analysis of paraspinal and frontalis EMG, heart rate and skin conductance in chronic low back pain patients and normals to various postures and stress. Collins GA, et al. **Scand J Rehabil Med** 1982;14(1):39–46

[Electromyographic studies of the intestinal tract in emergency abdominal surgery] Zlatarski G, et al. **Khirurgiia (Sofiia)** 1981;34(3):240–5 (Eng. Abstr.) **(Bul)**

[Value and limitation of electromyography in evaluation of nerve injury (author's transl)] Shen DG. **Chung Hua Wai Ko Tsa Chih** 1981 Sep;19(9):553–7 (Eng. Abstr.) **(Chi)**

[The F response of the cubital nerve] Bodros A, et al. **Electrodiagn Ther** 1981;18(4):141–9 **(Fre)**

[Facial asymmetry upon crying. Electromyographic study of 18 newborn infants] Renault F, et al. **Electrodiagn Ther** 1981;18(2):59–70 **(Fre)**

[Value of electromyography in the thoracic outlet syndrome (author's transl)] Vila A, et al. **Rev Electroencephalogr Neurophysiol Clin** 1980 Oct–Dec; 10(4):343–56 (Eng. Abstr.) **(Fre)**

[Electromyography ... children with polymyositis (author's transl)] Renault F, et al. **Sem Hop Paris** 1982 Jan 28; 58(4):220–4 (Eng. Abstr.) **(Fre)**

[Electromyography in the differential diagnosis of infant hypotonia] Vanasse M, et al. **Union Med Can** 1982 Apr; 111(4):347–51, 397 (Eng. Abstr.) **(Fre)**

[Electromyographic study during sleep in checking the bite plates of patients with clinically demonstrated temporomandibular joint compression] Schubert R, et al. **Dtsch Zahnarztl Z** 1981 May;36(5):310–3 (Eng. Abstr.) **(Ger)**

[Electromyographic studies on determining tessitura in children] Lehmann M. **Folia Phoniatr (Basel)** 1981; 33(6):329–37 (Eng. Abstr.) **(Ger)**

[Electromyograms of dynamically arm muscles during simultaneous activity, passive rests and change of the hand under close–to–real laboratory conditions] Weber H, et al. **Z Gesamte Hyg** 1981;27(8):586–91 (Eng. Abstr.) **(Ger)**

[The use of electromyography in the monitoring of exposure to neurotoxic substances] Violante FS, et al. **G Clin Med** 1982 Mar;63(3):154–8 **(Ita)**

[The mechanism of action of biofeedback electromyography in muscle tension headache] Nattero G, et al. **Minerva Med** 1982 Apr 2;73(14):801–4 (Eng. Abstr.) **(Ita)**

[Chronic constitutional tetany. Clinical and electromyographic aspects of 50 cases] Del Conte I, et al. **Riv Neurol** 1981 Sep–Oct;51(5):245–60 (33 ref.) (Eng. Abstr.) **(Ita)**

[Studies on physiological changes due to prolonged standing posture (author's transl)] Sugawara M. **Hokkaido Igaku Zasshi** 1981 May;56(3):267–80 (Eng. Abstr.) **(Jpn)**

[A study on quantification of weight sensation by EMG (author's transl)] Ide H. **Iyodenshi To Seitai Kogaku** 1981 Apr;19(2):94–9 (Eng. Abstr.) **(Jpn)**

[Computer analysis of the electromyogram of the external urethral sphincter (author's transl)] Morita T, et al. **Nippon Heikatsukin Gakkai Zasshi** 1981 Sep;17(3):107–13 (Eng. Abstr.) **(Jpn)**

[An electromyographical study on the duration histogram of motor units in patients with lumbar intervertebral disc herniations (author's transl)] Hiki T. **Nippon Ika Daigaku Zasshi** 1981 Apr;48(2):168–77 (Eng. Abstr.) **(Jpn)**

[F response in spastic spinal paralysis (author's transl)] Komori T, et al. **Rinsho Shinkeigaku** 1981 Jun;21(6):517–21 (Eng. Abstr.) **(Jpn)**

[Critical evaluation of the EMG method in diagnosis of non–tumoral laryngeal diseases] Drașoveanu C, et al. **Rev Chir [Otorinolaringol]** 1981 Jul–Sep;26(3):213–4 **(Rum)**

[Clinical electromyographic indices in the assessment of the work capacity of patients with progressive muscular dystrophies] Shvetsova VS, et al. **Klin Med (Mosk)** 1982 Jan;60(1):82–7 **(Rus)**

[Electromyographic evaluation of the conservative treatment results in spastic torticollis in children] Lagutina TS, et al. **Ortop Travmatol Protez** 1981 Sep;(9):45–6 **(Rus)**

[Electromyographic and morphological analysis of the changes in the motor units in myasthenia, combined myasthenia with thymoma and polymyositis and terminal polyneuropathy with myasthenic syndrome] Gekht BM, et al. **Zh Nevropatol Psikhiatr** 1981;81(11):1624–32 (Eng. Abstr.) **(Rus)**

[Electromyographic characteristics of the neuromuscular disorders in botulism] Ivanova TV, et al. **Zh Nevropatol Psikhiatr** 1981;81(11):1633–7 (Eng. Abstr.) **(Rus)**

[Correlation between clinical findings and indices of stimulation electromyography in the acute stage of strokes] Novikov AE. **Zh Nevropatol Psikhiatr** 1981;81(9):1321–6 (Eng. Abstr.) **(Rus)**

[Clinicoelectroneuromyographic study of neuromuscular syndromes combined with connective tissue pathology] Skvortsov IA, et al. **Zh Nevropatol Psikhiatr** 1981; 81(11):1655–60 (Eng. Abstr.) **(Rus)**

[Electromyographic indices in parkinsonism] Starikov AS. **Zh Nevropatol Psikhiatr** 1981;81(12):1766–72 (Eng. Abstr.) **(Rus)**

[Clinicoelectroneuromyographic characteristics of neuralgic amyotrophy] Viatkina SIa, et al. **Zh Nevropatol Psikhiatr** 1981;81(11):1650–5 (Eng. Abstr.) **(Rus)**

[Electromyography of the urethral and anal sphincter] Jušić A. **Acta Med Iugosl** 1981;35(5):311–8 (Eng. Abstr.) **(Scr)**

[Reticulofugal effects in relation to muscles of extremities (author's transl)] Saling M, et al. **Bratisl Lek Listy** 1981 Apr;75(4):400–8 (Eng. Abstr.) **(Slo)**

ADVERSE EFFECTS

After–effect of microneurography in humans. Part IV. Littell EH. **Phys Ther** 1981 Nov;61(11):1585–6

INSTRUMENTATION

Electromyographic monitoring of neuromuscular block. Lam HS, et al. **Br J Anaesth** 1981 Dec;53(12):1351–7

Frequency content of EEG and EMG at seizure onset: possibility of removal of EMG artefact by digital filtering. Gotman J, et al. **Electroencephalogr Clin Neurophysiol** 1981 Dec;52(6):626–39

Digital analysis of electromyograms. A Fortran package. Jackson KM. **Electromyogr Clin Neurophysiol** 1982 Jan–Feb;22(1–2):65–87

Longitudinal electrode arrays for electromyography. Emerson ND, et al. **Med Biol Eng Comput** 1981 Jul;

19(4):504–6
Adaptive filtering of canine electrogastrographic signals. Part 1: system design. Kentie MA, et al. **Med Biol Eng Comput** 1981 Nov;19(6):759–64
A kinesiologic electromyography system for the computer-controlled analog and digital recording and processing of muscle action potentials of walking subjects. Bodem F, et al. **Med Prog Technol** 1981;8(3):129–39
Carbon fiber used as urethral electromyographic electrodes and a urethral sensor. Takaiwa M, et al. **Prog Clin Biol Res** 1981;78:179–97
[Comparison of the blink-reflex obtained using needle electrodes and surface electrodes (author's transl)] Hacke W, et al. **EEG EMG** 1981 Dec;12(4):190–4 (Eng. Abstr.) **(Ger)**
[Use of a computer-controlled kinematic-electromyographic motion analysis system to investigate gait patterns of healthy subjects on the level walkway and the treadmill (author's transl)] Blümlein H, et al. **Z Orthop** 1982 May–Jun;120(3):283–93 (Eng. Abstr.) **(Ger)**
[Development and trial of a monitoring vehicle for data collection in work physiology field studies] Ballé W, et al. **Zentralbl Arbeitsmed Arbeitsschutz Prophyl Ergonomie** 1982 Jun;32(6):214–8 (Eng. Abstr.) **(Ger)**
[Potential use of recording systems with a low upper frequency limit value in the telemetric transmission of EMGs] Weber H, et al. **Glg Tr Prof Zabol** 1981;(12):42–3 **(Rus)**

METHODS

Electromyographic feedback and taped relaxation instructions to modify hypnotic susceptibility and amnesia. Simon MJ, et al. **Am J Clin Hypn** 1981 Jul;24(1):14–21
Thoracic root pain in diabetes: the spectrum of clinical and electromyographic findings. Kikta DG, et al. **Ann Neurol** 1982 Jan;11(1):80–5
Nerve stimulation test in murine experimental autoimmune myasthenia gravis. Pachner AR, et al. **Ann Neurol** 1982 Jan;11(1):48–52
Clinical application of evoked electro-myography (frequency depression curve) in the diagnosis and treatment of vertigo. Matsunaga T, et al. **Auris Nasus Larynx** 1980;7(3):125–39
A new method for laryngeal electromyography. Guindi GM, et al. **Clin Otolaryngol** 1981 Aug;6(4):271–8
A quantitative electromyographic index that is independent of the force of contraction. Cenkovich F, et al. **Electroencephalogr Clin Neurophysiol** 1982 Jul;54(1):79–86
A new technique for acute and chronic recording of crural diaphragm EMG in cats. Treiease RB, et al. **Electroencephalogr Clin Neurophysiol** 1982 Apr; 53(4):459–62
A quantitative method to analyze the H reflex latencies from vastus medialis muscle: normal values. Aiello I, et al. **Electromyogr Clin Neurophysiol** 1982 May–Jun;22(4):251–4
Study of simulated motor unit action potential shape. Coatrieux JL. **Electromyogr Clin Neurophysiol** 1982 Jul–Sep;22(5):419–30
Diagnostic yield of single fiber electromyography and other electrophysiological techniques in myasthenia gravis. II. Jitter and motor unit fiber density studies. Clinical remission and thymectomy evaluation. Cruz Martinez A, et al. **Electromyogr Clin Neurophysiol** 1982 Jul–Sep; 22(5):395–417
Diagnostic yield of single fiber electromyography and other electrophysiological techniques in myasthenia gravis. I. Electromyography, automatic analysis of the voluntary pattern, and repetitive nerve stimulation. Cruz Martinez A, et al. **Electromyogr Clin Neurophysiol** 1982 Jul–Sep; 22(5):377–93
Occurrence of transient positive sharp wave like activity in the paraspinal muscles following lumbar puncture. Danner R. **Electromyogr Clin Neurophysiol** 1982 Jan–Feb; 22(1–2):149–54
Reliability of the motor unit count in the facial muscles. Delbeke J. **Electromyogr Clin Neurophysiol** 1982 May–Jun; 22(4):277–90
Electromyographic analysis of the mentalis and depressor labii inferior muscles in the production of speech. Farret SM, et al. **Electromyogr Clin Neurophysiol** 1982 Jan–Feb; 22(1–2):137–48
Electromyographic analysis of the upper and lower orbicularis oris muscles in the production of speech. Farret SM, et al. **Electromyogr Clin Neurophysiol** 1982 Jan–Feb; 22(1–2):125–36
New investigations by averaging of the summated EMG on the propagation of the muscle potentials. Gydikov A. **Electromyogr Clin Neurophysiol** 1982 Jan–Feb; 22(1–2):89–103
Volume conduction of motor unit potentials from different human muscles to long distances. Gydikov A, et al. **Electromyogr Clin Neurophysiol** 1982 Jan–Feb; 22(1–2):105–16
Single fibre EMG for the investigation of extraocular eye muscles. Huber A, et al. **Electromyogr Clin Neurophysiol** 1982 May–Jun; 22(4):303–14
Identification of movement artefacts in electromyograph recordings. Miles TS, et al. **Electromyogr Clin Neurophysiol** 1982 May–Jun;22(4):245–9
The thoracic outlet syndrome: an electrophysiological study. Morales-Blanquez G, et al. **Electromyogr Clin Neurophysiol** 1982 May–Jun; 22(4):255–63
dT–dL analysis of difference of surface electromyogram pattern between right and left hand in m. biceps brachii of left-handed person. Ohkoshi K, et al. **Electromyogr Clin Neurophysiol** 1982 Jan–Feb; 22(1–2):117–23
Spectral analysis of perineal muscles EMG. Vereecken RL, et al. **Electromyogr Clin Neurophysiol** 1982 May–Jun; 22(4):321–6
Review of quantitative and automated needle electromyographic analyses. Richfield EK, et al. **IEEE Trans Biomed Eng** 1981 Jul;28(7):506–14
Frequency parameters of the myoelectric signal as a measure of muscle conduction velocity. Stulen FB, et al. **IEEE Trans Biomed Eng** 1981 Jul;28(7):515–23
Testing and modelling of spasticity. Bajd T, et al. **J Biomed Eng** 1982 Apr;4(2):90–6
Adaptive filtering of canine electrogastrographic signals. Part 2: filter performance. Kentie MA, et al. **Med Biol Eng Comput** 1981 Nov;19(6):765–9
Low-frequency spectral analysis of the e.m.g. Lago PJ, et al. **Med Biol Eng Comput** 1981 Nov;19(6):779–82
Representing and clustering electromyographic gait patterns with multivariate techniques. Shiavi R, et al. **Med Biol Eng Comput** 1981 Sep;19(5):605–11
A simple method of EMG analysis to determine patterns for use in the recognition of clinical conditions: a preliminary report. Farrer J, et al. **Med Inf (Lond)** 1981 Apr–Jun; 6(2):109–13
The diagnostic yield of quantified electromyography and quantified muscle biopsy in neuromuscular disorders. Buchthal F, et al. **Muscle Nerve** 1982 Apr;5(4):265–80
A new in vivo method of recording of the electrical activities of the renal pelvis. Tsuchida S, et al. **Tohoku J Exp Med** 1982 Feb;136(2):233–4
[Evaluation of fine neuromuscular control in Duchenne's progressive muscular dystrophy I. A basic and clinical study in the rehabilitation of 10 non-ambulatory patients] Simard T. **Union Med Can** 1982 Jun;111(6):569–74 (Eng. Abstr.) **(Fre)**
[Results of electromyographical and mechanographical investigations in myotonia congenita (author's transl)] Wagner A, et al. **EEG EMG** 1982 Mar;13(1):14–21 (Eng. Abstr.) **(Ger)**
[The F-wave in healthy subjects – origin, derivation, standardization] Müller D, et al. **Psychiatr Neurol Med Psychol (Leipz)** 1981 Jul;33(7):409–16 (Eng. Abstr.) **(Ger)**
[Tocometry and rheobase measurement for cervical insufficiency—contribution to pathogenesis of premature birth (author's transl)] Diener L, et al. **Zentralbl Gynakol** 1981;103(14):797–803 (Eng. Abstr.) **(Ger)**
[Electromyography and electroneurography in peripheral nerve lesions. Part II] Wagner A, et al. **Zentralbl Neurochir** 1981;42(4):209–20 (Eng. Abstr.) **(Ger)**
[Estimation of the number of motor units by processing mass electromyogram (author's transl)] Yoshida M, et al. **Iyodenshi To Seitai Kogaku** 1981 Jun;19(3):187–94 (Eng. Abstr.) **(Jpn)**
[Electromyographic and morphological analysis of the changes in the motor units in myasthenia, combined myasthenia with thymoma and polymyositis and terminal polyneuropathy with myasthenic syndrome] Gekht BM, et al. **Zh Nevropatol Psikhiatr** 1981;81(11):1624–32 (Eng. Abstr.) **(Rus)**
[Use of stimulation electromyography in the diagnosis of peripheral nervous system lesions in herpes zoster patients] Smirnov IuK, et al. **Zh Nevropatol Psikhiatr** 1982; 82(4):11–6 **(Rus)**

ELECTRON MICROSCOPY see **MICROSCOPY, ELECTRON**

ELECTRON PARAMAGNETIC RESONANCE see **ELECTRON SPIN RESONANCE**

ELECTRON PROBE MICROANALYSIS

The measurement of proteoglycan in the mineralizing region of the rat growth plate. Mitchell N, et al. **J Bone Joint Surg [Am]** 1982 Jan;64-A(1):32–8
Elemental distribution in guinea-pig skin as revealed by X-ray microanalysis in the scanning transmission microscope. Wei X, et al. **J Invest Dermatol** 1982 Sep; 79(3):167–9
Intracochlear microprobe analysis. Bone RC, et al. **Laryngoscope** 1982 Apr;92(4):385–9
Investigations on vasogenic and cytotoxic brain edema, comparing results from X-ray microanalysis and flame photometry. Hürter T, et al. **Microsc Acta** 1982 Jan; 85(3):285–93
Observations on electron probe x-ray microanalysis compared to other methods for measuring intracellular elemental concentration. Smith NK, et al. **Scan Electron Microsc** 1981;(Pt 2):395–408 (55 ref.)
Electron probe microanalysis of frozen dried sections of heart muscle prepared using low temperature techniques. Wendt-Gallitelli MF, et al. **Scan Electron Microsc** 1981;(Pt 2):455–62
Electron probe and electron energy loss analysis in biology. Somlyo AP, et al. **Ultramicroscopy** 1982;8(1–2):219–33 (122 ref.)
[X-ray line analysis of the Asgar–Mahler reaction zone of an HCD amalgam] Herzog M, et al. **Dtsch Zahnarztl Z** 1982 Jun;37(6):526–30 (Eng. Abstr.) **(Ger)**

INSTRUMENTATION

Electron beam microanalysis: several instrumental developments germane to biology. Fiori CE. **J Histochem Cytochem** 1981 Sep;29(9):1029–31 (13 ref.)
A low x-ray background low temperature specimen stage for biological microanalysis in the TEM. Nicholson WA, et al. **J Microsc** 1982 Jun;126(Pt 3):307–16
[Exact x-ray analysis with an energy analyzer and a wave length analyser. Application to the recognition of asbestos fibers] Cecchetti G, et al. **Ann Ist Super Sanita** 1981; 17(3):569–73 **(Ita)**

METHODS

[Electron-probe X-ray microanalysis: techniques and recent applications in biology. Moreton RB. **Biol Rev** 1981 Aug; 56(3):409–61 (170 ref.)
X-ray microanalysis of animal tissues by means of the field emission scanning electron microscope. Becker CH, et al. **Experientia** 1982 Jul 15;38(7):856–7
Specimen chamber geometry--a possible source of error in quantitative x-ray microanalysis in STEM. Grote M, et al. **J Electron Microsc (Tokyo)** 1981;30(4):359–61
Thin frozen-dried cryosections and biological x-ray microanalysis. Barnard T. **J Microsc** 1982 Jun;126(Pt 3):317–32
Quantification for the x-ray microanalysis of cryosections. Hall TA, et al. **J Microsc** 1982 Jun;126(Pt 3):333–45
Quantitative analysis of electrolytes in frozen dried sections. Rick R, et al. **J Microsc** 1982 Feb;125(2):239–47
Cryopreparation of mammalian tissue for X-ray microanalysis in STEM. Zierold K. **J Microsc** 1982 Feb; 125(2):149–56
Ideal standards for quantitative x-ray microanalysis of biological specimens. de Bruijn WC. **Scan Electron Microsc** 1981;(Pt 2):357–67
Foqus: a FORTRAN program for the quantitative analysis of x-ray spectra from thin biological specimens. Fuchs H, et al. **Scan Electron Microsc** 1981;(Pt 2):377–94
Quantitative EPMA of biological tissue using mixtures of salts as standards. Krefting ER, et al. **Scan Electron Microsc** 1981;(Pt 2):369–76, 368
Simultaneous use of EDS, windowless EDS, BE and SE detectors and digital real-time line scanning for the x-ray microanalysis of frozen-hydrated biological specimens. Marshall AT. **Scan Electron Microsc** 1981;(Pt 2):327–43
Quantitative electron probe x-ray microanalysis of biological bulk specimens. Roomans GM. **Scan Electron Microsc** 1981; (Pt 2):345–56, 344
X-ray microanalysis of tissue culture cells in SEM and STEM. Zierold K. **Scan Electron Microsc** 1981;(Pt 2):409–18 (29 ref.)
Scattered electrons in microscopy and microanalysis. Ottensmeyer FP. **Science** 1982 Jan 29;215(4532):461–6
The x-ray microanalysis of frozen-hydrated sections in scanning electron microscopy: an evaluation. Gupta BL, et al. **Tissue Cell** 1981;13(4):623–43 (73 ref.)
Cryoultramicrotomy as a preparative method for x-ray microanalysis in pathology. Roomans GM, et al. **Ultrastruct Pathol** 1982 Jan–Mar;3(1):65–84
[Energy dispersion microanalysis applied to the study of enamel surfaces] Daculsi G, et al. **SSO Schweiz Monatsschr Zahnheilkd** 1982 Mar; 92(3):188–94 (Eng. Abstr.) **(Fre)**

ELECTRON SPIN RESONANCE

Paramagnetism in melanins: pH dependence. Chio SS, et al. **Arch Biochem Biophys** 1982 Apr 15;215(1):100–6
How does limited trypsinization influence the surface structure and binding of calcium to lipoprotein (a): a spin-labeling study. Nöthig-Laslo V, et al. **Arch Biochem Biophys** 1982 Apr 15;215(1):329–38
Electron spin resonance studies on intact cells and isolated lipid droplets from fatty acid-modified L1210 murine leukemia. Simon I, et al. **Cancer Res** 1982 Jul;42(7):2715–21
Mössbauer and EPR studies on nitrite reductase from Thiobacillus denitrificans. Huynh BH, et al. **J Biol Chem** 1982 Aug 25;257(16):9576–81
[EPR study of bovine enamel samples from the milk and permanent teeth, normal and fluoridated and X- and beta-ray irradiated: Part 2] Azzoni CB, et al. **Bull Group Int Rech Sci Stomatol Odontol** 1981 Mar; 24(1):5–9 **(Fre)**
[Spin label analysis of subclasses of high density lipoproteins] Gorshkova IN, et al. **Vopr Med Khim** 1982 Jan–Feb; 28(1):106–13 (Eng. Abstr.) **(Rus)**

METHODS

A comparison of resolution-enhancement methods in saturation-transfer EPR. 15N isotopically substituted spin labels and 35 GHz high-frequency operation. Johnson ME, et al. **Biophys J** 1982 Feb;37(2):563–7
pH dependence of EPR spectra of nitroxides containing ionizable groups. Nakaie CR, et al.

Braz J Med Biol Res 1981 Jul;14(2–3):173–80

Use of spin label and the flow-induced ESR spectral difference for studying erythrocyte deformation. Noji S, et al. **J Biochem Biophys Methods** 1981 Dec;5(5):251–8

Eumelanins and pheomelanins: characterization by electron spin resonance spectroscopy. Sealy RC, et al. **Science** 1982 Aug 6;217(4559):545–7

ELECTRON TRANSPORT

The respiratory system of Pseudomonas putida: participation of cytochromes in electron transport. Sweet WJ, et al. **Arch Biochem Biophys** 1981 Jun;209(1):256–65

Solvent effects of flavin electron transfer reactions. Ahmad I, et al. **Biochemistry** 1981 Sep 29;20(20):5925–8

Electrogenic proton ejection coupled to electron transport through the energy-conserving site 2 and K+/H+ exchange in yeast mitochondria. Villalobo A, et al. **Biochim Biophys Acta** 1981 Aug 12;637(1):124–9

Investigation of electron-transfer reactions of proteins by electrochemical methods. Eddowes MJ, et al. **Biosci Rep** 1981 Jul;1(7):521–32 (47 ref.)

A generalised model for the equilibration of quinone pools with their biological donors and acceptors in membrane-bound electron transfer chains. Rich PR. **FEBS Lett** 1981 Aug 3;130(2):173–8

Intermediate electron-acceptors in quantitative cytochemistry. Comparison of phenazine methosulphate and Meldola Blue. Henderson B, et al. **Histochemistry** 1981; 72(4):617–23

Regulation of electron transfer by sidedness-dependent surface pH. Dependence of the rate of cytochrome c-555 reduction on H+ concentration in the surface region on the periplasmic side of photosynthetic membranes in whole cells, spheroplasts and chromatophores of Chromatium vinosum. Hashimoto K, et al. **J Biochem (Tokyo)** 1981 Mar; 89(3):909–18

Relationship between the density distribution of intramembrane particles and electron transfer in the mitochondrial inner membrane as revealed by cholesterol incorporation. Schneider H, et al. **J Cell Biol** 1982 Aug; 94(2):387–93

Molecular interpretation of kinetic-ionic strength effects. Feinberg BA, et al. **J Inorg Biochem** 1981 Nov;15(3):187–99

Steroidogenic electron transport in adrenal cortex mitochondria. Lambeth JD, et al. **Mol Cell Biochem** 1982 May 28;45(1):13–31 (85 ref.)

Electronic processes in biology. The seventeenth Douglas Lea Lecture. Lewis TJ. **Phys Med Biol** 1982 Mar; 27(3):335–52

[Free radical migration in long-chain hydrocarbons as an electron (ion) transfer mechanism in membrane systems] Ivanov II. **Biofizika** 1982 Mar-Apr;27(2):326–7 (Eng. Abstr.) **(Rus)**

[Structure of the Micrococcus lysodeikticus respiratory chain using low concentrations of Triton X-100 and glutaric aldehyde] Turgenbaeva DA, et al. **Biokhimiia** 1981 Apr; 46(4):642–51 (Eng. Abstr.) **(Rus)**

DRUG EFFECTS

Picrate as an inhibitor of photosystem II in photosynthetic electron transport. Oettmeier W, et al. **Eur J Biochem** 1982 Feb;122(1):163–7

Disodium tetrachloropalladate (Na2PdCl4), an inhibitor of rat liver mitochondrial electron transport. Biagini RE, et al. **Toxicol Lett** 1982 Jul;12(2–3):165–70

[Effect of tyrosine-74-modified cytochrome C on electron transfer in Keilin-Hartree submitochondrial particles] Mitovska M, et al. **Eksp Med Morfol** 1981;20(3):129–34 (Eng. Abstr.) **(Bul)**

ELECTRONARCOSIS

see related
ELECTROTHERAPY

Role of the subsequently activated receptors in electro-acupuncture of the rat. Kawakita K, et al. **Am J Chin Med** 1981 Summer;9(2):164–70

Failure of transcutaneous electrical stimulation to alleviate experimental tourniquet pain. Rosenblatt RM, et al. **Anesth Analg (Cleve)** 1981 Oct;60(10):720–2

Postoperative analgesia by percutaneous electrical stimulation in gynecology and obstetrics. Evron S, et al. **Eur J Obstet Gynecol Reprod Biol** 1981 Nov;12(5):305–13

Effect of electroanesthesia on local cerebral glucose utilization in the cat. Arinos-Shehori M, et al. **Isr J Med Sci** 1982 Jan;18(1):51–7

Epidural stimulation for pain control in the 'failed disc' syndrome. Leclercq TA. **RI Med J** 1982 Jan;65(1):25–8

[Sympathetic activity and blood pressure in normotensive and hypertensive patients undergoing ophthalmic surgery under electrostimulation anaesthesia (author's transl)] Abdulla W, et al. **Anaesthesist** 1981 Oct;30(10):497–9 (Eng. Abstr.) **(Ger)**

[Haemodynamic effect of naloxone during electrostimulation analgesia with special reference to the role of endorphin (author's transl)] Lüben V, et al. **Anasth Intensivther Notfallmed** 1981 Aug;16(4):180–3 (Eng. Abstr.) **(Ger)**

[Electroanalgesia in recurrent lumbago and lumbosciatalgia] Spada G, et al. **Chir Organi Mov** 1981;66(5):415–9 (Eng. Abstr.) **(Ita)**

[Effect of electroacupuncture analgesia on various biochemical changes in children in postoperative and post-traumatic periods] Musin NO, et al. **Pediatriia** 1981; (8):52–3 (Eng. Abstr.) **(Rus)**

[Use of electrosleep in treating neuroses in children] Poliakova NN, et al. **Vopr Kurortol Fizioter Lech Fiz Kult** 1981 Jul-Aug;(4):62 **(Rus)**

INSTRUMENTATION

Clinical use of dental electroanalgesia. Savage M. **Br Dent J** 1982 Apr 6;152(7):242–4

Studies of electrosleep on normal adults, insomniacs, and hypertensive patients. Nagata K, et al. **Tokushima J Exp Med** 1981 Dec;28(3–4):69–83

[INAAN-3 automatic dental electroanesthesia device] Nesmeianov NA, et al. **Med Tekh** 1982 May-Jun;(3):52–3 **(Rus)**

METHODS

Pain relief in labor by transcutaneous electrical nerve stimulation. Testing of a modified stimulation technique and evaluation of the neurological and biochemical condition of the newborn infant. Bundsen P, et al. **Acta Obstet Gynecol Scand** 1982;61(2):129–36

[Anesthesia by transcutaneous electrical nerve stimulation in the postoperative period in gynecologic operations] Smilov I, et al. **Akush Ginekol (Sofiia)** 1981;20(3):245–9 (Eng. Abstr.) **(Bul)**

[Transcutaneous electrical nerve stimulation as a method of anesthesia in labor] Stoianov E, et al. **Akush Ginekol (Sofiia)** 1981;20(3):185–90 (Eng. Abstr.) **(Bul)**

[Electric activity of the brain during central electroanalgesia in labor] Golubeva LIa, et al. **Akush Ginekol (Mosk)** 1982 Jan;(1):52–3 **(Rus)**

[Central electroanalgesia in arresting the acute pain-ischemic syndrome at the prehospital stage] Estrin VA, et al. **Kardiologiia** 1981 Dec;21(12):81–5 (Eng. Abstr.) **(Rus)**

[Analgesia in the acute period of myocardial infarct under hemodynamic and respiratory functional control] Zakin AM, et al. **Kardiologiia** 1981 Dec;21(12):77–81 (Eng. Abstr.) **(Rus)**

[Electroacupuncture analgesia in tooth preparation] Miroshnichenko IT, et al. **Stomatologiia (Mosk)** 1982 Mar-Apr;(2):57–9 (Eng. Abstr.) **(Rus)**

[Experimental clinical study of the analgesic action of various components of general electroanesthesia without pharmacologic anesthetics and analgesics] Sachkov VI, et al. **Vestn Akad Med Nauk SSSR** 1981;(8):45–50 (Eng. Abstr.) **(Rus)**

[Electrosleep treatment methods] Kuleshova ZS. **Vopr Kurortol Fizioter Lech Fiz Kult** 1981 Sep-Oct; (5):68–70 **(Rus)**

[Changes in the content of opiate-like substances in auricular electroacupuncture anesthesia of rats] Bragin EO, et al. **Vopr Med Khim** 1982 Jul-Aug;28(4):102–5 (Eng. Abstr.) **(Rus)**

STANDARDS

Electroanesthesia in the cat: standardization of electric current parameters and anesthetic criteria. Papir-Kricheli D, et al. **Isr J Med Sci** 1982 Jan;18(1):99–103

ELECTRONIC DATA PROCESSING see **AUTOMATIC DATA PROCESSING**

ELECTRONICS

see related
TAPE RECORDING

Signal processing electronics for multiple electronic and optical measurements on cells. Steinkamp JA, et al. **Cytometry** 1982 Jan;2(4):232–7

Feedback provides stable bath ground for intracellular recording and stimulation. McClellan AD. **IEEE Trans Biomed Eng** 1981 Apr;28(4):362–4

A rapid miniaturized solid-phase radioimmunoassay technique for secreted immunoglobulins, employing microtiter plates, antibody bound to polyacrylamide beads, and filter strip harvesting. Nash GS, et al. **J Immunol Methods** 1982 Mar 26;49(3):261–9

Computers and electronics [editorial] Abelson PH. **Science** 1982 Feb 12;215(4534):749

Microelectronics and computers in medicine. Meindl JD. **Science** 1982 Feb 12;215(4534):792–7

Occupational asthma in electronics workers caused by colophony fumes: follow-up of affected workers. Burge PS. **Thorax** 1982 May;37(5):348–53

LEDs: convenient, inexpensive sources for visual experimentation. Nygaard RW, et al. **Vision Res** 1982; 22(4):435–40

[Visual demands and capacity for performance in special working places in microelectronics] Methling D, et al. **Z Gesamte Hyg** 1981;27(8):596–601 (Eng. Abstr.) **(Ger)**

[Selected physiological parameters of evaluation of work noxiousness at some work stands in electrotechnical porcelain industry (author's transl)] Tomas T, et al. **Przegl Lek** 1981;38(9):703–7 (Eng. Abstr.) **(Pol)**

[Solderer's asthma (author's transl)] Kovač S, et al. **Lijec Vjesn** 1981;103(4–5):143–5 (Eng. Abstr.) **(Ser)**

INSTRUMENTATION

A digital display revolution counter. Brodie DA, et al. **Br J Sports Med** 1981 Jun;15(2):133–5

Modular electronics for flow cytometry and sorting: the LACEL system. Hiebert RD, et al. **Cytometry** 1981 Mar; 1(5):337–41

Measurement of membrane potential in isolated small cells with the help of a peak detector. Voûte CL, et al. **Med Biol Eng Comput** 1981 Jul;19(4):514–6

Good vibrations: Abrams's oscilloclast and the instrumental cure. Roth N. **Med Instrum** 1981 Nov-Dec;15(6):383–4

Switches – the vital link. Jefcoate R. **Spec Educ Forward Trends** 1981 Dec;8(4):11–3

[Construction of an electronic sheep birth guard device] Finger KH, et al. **Berl Munch Tierarztl Wochenschr** 1982 Apr 1;95(7):130–2 (Eng. Abstr.) **(Ger)**

METHODS

Miniaturization of beta-galactosidase immunoassays using chromogenic and fluorogenic substrates. Labrousse H, et al. **J Immunol Methods** 1982;48(2):133–47

Analogue implementation of analytic signal processing for pulse-echo systems. Gammell PM. **Ultrasonics** 1981 Nov; 19(6):279–83

ELECTRONICS, MEDICAL

Application of robotics to prosthetic control. Orin DE. **Ann Biomed Eng** 1980;8(4–6):305–16

Microelectronics and neural prostheses. White RL. **Ann Biomed Eng** 1980;8(4–6):317–32

A step-sensing device for blind wheelchair users: a preliminary evaluation. Farmer LW. **Bull Prosthet Res** 1981 Spring;18(1):73–9

VA / USMC electric hand with below-elbow cineplasty. Leal JM, et al. **Bull Prosthet Res** 1981 Spring;18(1):52–6

Adaptation of the VA / USMC electric hand to the Liberty Mutual myoelectric Boston elbow for above-elbow amputees. Leal JM, et al. **Bull Prosthet Res** 1981 Spring; 18(1):56–60

Electronic fetal monitoring during labor. Kurse J. **J Fam Pract** 1982 Jul;15(1):35–42

Determination of the physiologic equilibrium point of the mandible by electronic means. Tradowsky M, et al. **J Prosthet Dent** 1982 Jul;48(1):89–98

EDUCATION

A course in electronics and instrumentation. Rogers BS, et al. **Am J Med Technol** 1981 Nov;47(11):919–22

INSTRUMENTATION

A postoperative pain recorder. A patient-controlled recording device for assessing postoperative pain. Welchew EA. **Anaesthesia** 1982 Aug;37(8):838–41

Electronic device producing various temperatures for testing cold and heat urticaria. Tóth-Kása I, et al. **Arch Dermatol Res** 1981;271(4):447–9

A high-sensitivity, low-cost, voltage-to-frequency integrator for laboratory strip-chart recorders. Kolesar ES Jr. **Aviat Space Environ Med** 1982 Jun;53(6):599–603

An implantable RF-powered dual channel stimulator. Poon CW, et al. **Biotelem Patient Monit** 1981;8(3):180–8

An implantable micropower command receiver for telemetry battery power switching. Sweeney JD, et al. **Biotelem Patient Monit** 1981;8(3):173–9

Maximum frequency indication: minima counting versus zero-crossing counting. Becker A, et al. **IEEE Trans Biomed Eng** 1982 Mar;29(3):213–5

An improved instrument for pacemaker analysis based on the CCD techniques. Bedini R, et al. **IEEE Trans Biomed Eng** 1982 Mar;29(3):209–13

New developments in mobility and orientation aids for the blind. Brabyn JA. **IEEE Trans Biomed Eng** 1982 Apr; 29(4):285–9

Development of the Utah artificial arm. Jacobsen SC, et al. **IEEE Trans Biomed Eng** 1982 Apr;29(4):249–69

A circuit for contact monitoring in electrocardiography. Oberg T. **IEEE Trans Biomed Eng** 1982 May;29(5):361–4

Physiological stimulators: from electric fish to programmable implants. Saligman LJ. **IEEE Trans Biomed Eng** 1982 Apr; 29(4):270–84

A stimulator-regulated rapid-freeze clamp for terminating metabolic processes of the heart during normal physiological working conditions. Wikman-Coffelt J, et al. **IEEE Trans Biomed Eng** 1982 Jun;29(6):448–53

The life of neurological prostheses. Donaldson PE. **J Biomed Eng** 1981 Oct;3(4):294–6

Computer-analysed movements in three dimensions recorded by light-emitting diodes. A study of methodological errors and of evaluation of chewing behaviour in a group of young adults. Jemt T, et al. **J Oral Rehabil** 1982 Jul;9(4):317–26

Design for an inexpensive unit for measuring tail flick latencies. Isabel G, et al. **J Pharmacol Methods** 1981 May; 5(3):241–7

Versatile peak-detector circuit for physiological signs. Grip A, et al. **Med Biol Eng Comput** 1982 Mar;20(2):240–2

Amplification of biosignals by body potential driving. Levkov CL. **Med Biol Eng Comput** 1982 Mar;20(2):248–50

Portable voiding alarm for use with spinal-cord injured patients. Patterson RP, et al. **Med Biol Eng Comput** 1981 Sep;19(5):654–6

Battery saving circuit for children's prostheses. Richard PD, et al. **Med Biol Eng Comput** 1982 Mar;20(2):251–2

[General waveform generator with real time adjustment (author's transl)] Takemae T. **Iyodenshi To Seitai Kogaku** 1982 Feb;20(1):10–11 **(Jpn)**

[Construction of a system for the automatic design of printed-circuit boards for medical electronic apparatus] Kukhlevskiĭ VS, et al. **Med Tekh** 1981 Nov–Dec;(6):41–6 (Eng. Abstr.) **(Rus)**

[Quality improvement of the medical images in digital and optoelectronic devices] Shlychkoiv VI, et al. **Med Tekh** 1981 Nov–Dec;(6):26–32 (Eng. Abstr.) **(Rus)**

METHODS

Long-term neuroelectric signal recording from severed nerves. De Luca CJ, et al. **IEEE Trans Biomed Eng** 1982 Jun;29(6):393–403

Phase-locked loop measurement of sarcomere length with high time resolution. Myers J, et al. **IEEE Trans Biomed Eng** 1982 Jun;29(6):463–6

EMG pattern analysis and classification for a prosthetic arm. Saridis GN, et al. **IEEE Trans Biomed Eng** 1982 Jun; 29(6):403–12

Simple technique for determining a recorder's lower 3 db point. Fennigkoh L. **Med Instrum** 1981 May–Jun; 15(3):195–6

Computer analysis of motor performance. Kornhauser D, et al. **Med Instrum** 1981 May–Jun;15(3):197–200

ELECTRONS

Electron beams with mean energies at the phantom surface below 15 MeV. Supplement to the recommendations by the Nordic Association of Clinical Physics (NACP) 1980. **Acta Radiol [Oncol]** 1981;20(6):401–15

Electron beam dose planning using discrete Gaussian beams. Mathematical background. Brahme A, et al. **Acta Radiol [Oncol]** 1981;20(2):147–58

Calibration and use of plane-parallel ionization chambers for the determination of absorbed dose in electron beams. Mattsson LO, et al. **Acta Radiol [Oncol]** 1981;20(6):385–99

Gas bremsstrahlung from electron storage rings. Rindi A. **Health Phys** 1982 Feb;42(2):187–93

Is the major part of the photoreactivable lethal damage induced in Escherichia coli by X-or gamma-rays due to Cerenkov ultraviolet radiation emitted by secondary electrons? Munson RJ. **Int J Radiat Biol** 1981 Oct; 40(4):435–40

Inactivation of biologically active DNA by hydrated electrons. Nabben FJ, et al. **Int J Radiat Biol** 1982 Jul; 42(1):23–30

Use of variable thickness bolus to control electron beam penetration in chest wall irradiation. Archambeau JO, et al. **Int J Radiat Oncol Biol Phys** 1981 Jun;7(6):835–42

Electron beam energy degradation by low density scattering material. Karolis C, et al. **Int J Radiat Oncol Biol Phys** 1981 Mar;7(3):371–8

Late skin changes following twice-weekly electron beam radiation to post-mastectomy chest walls. Sause WT, et al. **Int J Radiat Oncol Biol Phys** 1981 Nov;7(11):1541–4

Destruction of Leishmania mexicana amazonensis amastigotes within macrophages in culture by phenazine methosulfate and other electron carriers. Rabinovitch M, et al. **J Exp Med** 1982 Feb 1;155(2):415–31

The problem of obliquely incident beams in electron-beam treatment planning. Ekstrand KE, et al. **Med Phys** 1982 Mar-Apr;9(2):276–8

Analytic representation of electron central-axis depth dose data. Jette D, et al. **Med Phys** 1981 Nov–Dec;8(6):877–81

Comparisons of electron beam dose measurements in water and polystyrene using various dosimeters. Kase KR, et al. **Med Phys** 1982 Jan–Feb;9(1):13–9

The dosimetric properties of an applicator system for intraoperative electron-beam therapy utilizing a Clinac-18 accelerator. McCullough EC, et al. **Med Phys** 1982 Mar–Apr;9(2):261–8

Prediction of electron beam output factors. Mills MD, et al. **Med Phys** 1982 Jan–Feb;9(1):60–8

Radiation parameters of 6 to 20 MeV scanning electron beams from the Saturne linear accelerator. Pfalzner PM, et al. **Med Phys** 1982 Jan–Feb;9(1):117–20

Concerning the perturbation correction in electron-beam dosimetry [letter] Schulz RJ. **Med Phys** 1982 Jan–Feb; 9(1):131

Perturbation of electron beam doses as a function of SSD due to the use of shielding blocks on the Clinac-18a. Thomadsen BR, et al. **Med Phys** 1981 Jul–Aug;8(4):507–9

A model for calculating electron beam scattering in treatment planning. Werner BL, et al. **Med Phys** 1982 Mar–Apr; 9(2):180–7

Chirality of electrons from beta-decay and the left-handed asymmetry of proteins. Mann AK, et al. **Orig Life** 1981 Sep;11(3):255–65

Calcium accumulation and retention by synaptosomes irradiated with high-energy electrons. Ely MJ, et al. **Radiat Res** 1981 Dec;88(3):623–30

Lethality of Auger electrons from the decay of bromine-77 in the DNA of mammalian cells. Kassis AI, et al. **Radiat Res** 1982 May;90(2):362–73

Contamination of a 15-MV photon beam by electrons and scattered photons. Mackie TR, et al. **Radiology** 1982 Jul; 144(2):403–9

Scattered electrons in microscopy and microanalysis. Ottensmeyer FP. **Science** 1982 Jan 29;215(4532):461–6

Calculation of high-energy electron dose distributions in tissue-equivalent media. I. Determination of the dose function of point unidirectional sources. Kozlov AP, et al. **Strahlentherapie** 1982 May;158(5):298–304

[EPR study of bovine enamel samples from the milk and permanent teeth, normal and fluoridated and X- and beta-ray irradiated: Part 2] Azzoni CB, et al. **Bull Group Int Rech Sci Stomatol Odontol** 1981 Mar; 24(1):5–9 **(Fre)**

[The use of high-energy electrons in the treatment of malignant orbital tumors (author's transl)] Lommatzsch PK, et al. **Klin Monatsbl Augenheilkd** 1982 Mar; 180(3):198–202 (Eng. Abstr.) **(Ger)**

[The influence of pulmonary tissue on dose distribution in the radiation therapy with fast electrons (author's transl)] Afanas'ev BP, et al. **Radiobiol Radiother (Berl)** 1981; 22(6):779–86 (Eng. Abstr.) **(Ger)**

[Radiotherapy of bladder malignomas with rapid electrons (author's transl)] Dietz R, et al. **Strahlentherapie** 1982 Apr; 158(4):202–5 (Eng. Abstr.) **(Ger)**

[Lipowitz metal as attenuating material for electron rays with an energy of 3 to 45 MeV (author's transl)] Roth J. **Strahlentherapie** 1982 Feb;158(2):94–6 (Eng. Abstr.) **(Ger)**

[Whole body electron therapy in mycosis fungoides] Mandelzweig Y, et al. **Harefuah** 1981 May 15;100(10):452–4 (Eng. Abstr.) **(Heb)**

[Development of scintillators for alpha- and beta-rays -comparison of relative luminescence of scintillation and photoluminescence of various phosphors (author's transl)] Ato Y, et al. **Radioisotopes** 1981 Feb;30(2):73–9 (Eng. Abstr.) **(Jpn)**

[An automatic dew-point hygrometer making use of beta-ray backscattering (author's transl)] Matsumoto S, et al. **Radioisotopes** 1981 Apr;30(4):200–4 (Eng. Abstr.) **(Jpn)**

[Picosecond spectroscopy of porphyrin-Ni(II) complexes. Excited electron states and the photodissociation of axial ligands] Chirvonyĭ VS, et al. **Dokl Akad Nauk SSSR** 1981; 259(5):1256–60 **(Rus)**

[Potentials of electron therapy in nontumorous diseases of the osteoarticular system] Fil'kova EM, et al. **Med Radiol (Mosk)** 1981 Dec;26(12):8–10 (Eng. Abstr.) **(Rus)**

[Dosimetric basis for using bremsstrahlung and electron beams for the treatment of lymphogranulomatosis and oral cavity tumors] Gyenes D, et al. **Med Radiol (Mosk)** 1981 Nov;26(11):23–9 (Eng. Abstr.) **(Rus)**

[Energy spectrum of electromagnetic radiation in the linear electron accelerator] Vatnitskiĭ SM, et al. **Med Radiol (Mosk)** 1982 Feb;27(2):65–8 (Eng. Abstr.) **(Rus)**

[Interstitial beta therapy of cystic craniopharyngiomas] Volkov AA, et al. **Med Radiol (Mosk)** 1982 Jan;27(1):42–6 (Eng. Abstr.) **(Rus)**

[Possibilities of using enzymatic criteria of a body lesion in an external beta radiation field] Matiushichev VB, et al. **Radiobiologiia** 1981 Nov–Dec;21(6):915–8 (Eng. Abstr.) **(Rus)**

[Bioindicator potentials of enzyme tests in external beta irradiation of the body] Matiushichev VB, et al. **Radiobiologiia** 1981 Nov–Dec;21(6):906–9 **(Rus)**

[Effect of the anatomicophysiological characteristics of white rats on the degree of the severity of the skin lesions caused by external whole-body beta irradiation] Rappoport IA, et al. **Radiobiologiia** 1981 Nov–Dec;21(6):925–8 (Eng. Abstr.) **(Rus)**

[Treatment of plantar warts by irradiation with an extracted electron beam] Beliaeva TL, et al. **Vestn Dermatol Venerol** 1981;(10):43–5 (Eng. Abstr.) **(Rus)**

THERAPEUTIC USE

Mean energy in electron beams. Andreo P, et al. **Med Phys** 1981 Sep–Oct;8(5):682–7

Lead shielding for electrons. Khan FM, et al. **Med Phys** 1981 Sep–Oct;8(5):712–3

ELECTRONYSTAGMOGRAPHY

Mechanisms underlying modulations of thermal nystagmic responses in parabolic flight. Graybiel A, et al. **Acta Otolaryngol [Suppl] (Stockh)** 1981;378:1–16

Recovery nystagmus in Ménière's disease. McClure JA, et al. **Laryngoscope** 1981 Oct;91(10):1727–37

A non-invasive method of qualitative and quantitative measurement of drugs. Westerman ST, et al. **Laryngoscope** 1981 Sep;91(9 Pt 1):1536–47

Spike artefact associated with fast eye movements in electronystagmography and its importance in the automatic analysis of saccades. Jäntti V. **ORL J Otorhinolaryngol Relat Spec** 1982;44(4):216–25

The postnatal development of monocular optokinetic nystagmus in infants. Naegele JR, et al. **Vision Res** 1982; 22(3):341–6

[Alternating nystagmus] Krejčová H, et al. **Cesk Neurol Neurochir** 1982 May;45(3):188–92 **(Cze)**

[ERA audiometry and electronystagmography in unilateral deafness after infectious parotitis] Kočka J, et al. **Cesk Otolaryngol** 1982 Jan;31(1):7–9 (Eng. Abstr.) **(Cze)**

[Optokinetic reactivity and vestibular disorders of central origin (author's transl)] Gabersek V, et al. **Rev Electroencephalogr Neurophysiol Clin** 1981 Nov; 11(2):267–76 (Eng. Abstr.) **(Fre)**

[Value and limitations of electronystagmography in the medicolegal assessment of the sequelae of head injuries (author's transl)] Carre J. **Rev Otoneuroophtalmol** 1981 Jul–Sep;53(4):357–61 (Eng. Abstr.) **(Fre)**

[The contribution of electronystagmographic recording of the pneumatic test to the clinical assessment of chronic otitis. 'Threatening nystagmus' (author's transl)] Pouyat PM, et al. **Rev Otoneuroophtalmol** 1981 Jul–Sep; 53(4):349–56 (Eng. Abstr.) **(Fre)**

[Experiences with electronystagmography in neuro-ophthalmological diagnosis (author's transl)] Gruber H. **Klin Monatsbl Augenheilkd** 1981 Dec;179(6):486–7 (Eng. Abstr.) **(Ger)**

[Electronystagmography and correction of congenital nystagmus by means of prisms] Radian AB. **Rev Chir [Oftalmol]** 1980 Jul–Sep;24(3):173–6 **(Rum)**

[Opto-vestibular interaction based on nystagmometric data] Levashov MM, et al. **Kosm Biol Aviakosm Med** 1982 May–Jun;16(3):51–5 (Eng. Abstr.) **(Rus)**

[The importance of optokinetic nystagmus examinations in otoneurology diagnosis] Kitanoski B, et al. **Vojnosanit Pregl** 1982 Mar–Apr;39(2):91–4 **(Scr)**

[Otoneurologic aspects of the pathogenesis and treatment of acute myalgias and disk diseases] Pichanič M. **Cesk Otolaryngol** 1982 Apr;31(2):86–92 (Eng. Abstr.) **(Slo)**

ECONOMICS

Developing a computer laboratory for neurotologic diagnosis. Konrad HR, et al. **Ann Otol Rhinol Laryngol [Suppl]** 1981 Jul–Aug;90(4 Pt 3 Suppl 86):7–9

INSTRUMENTATION

An amplitude and phase regulating magnetic field generator for an eye movement monitor. Optican LM, et al. **IEEE Trans Biomed Eng** 1982 Mar;29(3):206–9

[A portable calibrator with a dark chamber for electronystagmography] Tománek Z, et al. **Cesk Otolaryngol** 1981 Aug;30(4):248–51 (Eng. Abstr.) **(Cze)**

[Interactive program for the analysis of nystagmus] Gavilán C, et al. **An Otorrinolaringol Ibero Am** 1981;8(6):479–86 (Eng. Abstr.) **(Spa)**

METHODS

Effect of state on nystagmus duration in the Southern California Postrotary Nystagmus Test. Montgomery PC, et al. **Am J Occup Ther** 1982 Mar;36(3):177–82

The optokinetic test and the ENG test battery. Hart CW. **Ann Otol Rhinol Laryngol [Suppl]** 1981 Jul–Aug;90(4 Pt 3 Suppl 86):2–6

Effects of ocular fixation on perrotatory nystagmus in damped pendular rotation test. Kanzaki J. **Arch Otorhinolaryngol** 1981;230(2):209–19

Electronystagmographic recording superimposed on a videotape sequence of eye movements. Longridge NS. **J Otolaryngol** 1981 Dec;10(6):493–4

'How I do it'- otology and neurotology. A specific issue and its solution. A rapid ENG mounting technique. Anthony PF, et al. **Laryngoscope** 1982 Jun;92(6 Pt 1):702–3

[Nystagmography with highest temperature: first results in disseminated sclerosis (author's transl)] Coll J, et al. **Rev Otoneuroophtalmol** 1981 Mar–Apr;53(2):185–7 (Eng. Abstr.) **(Fre)**

[Collection and computer analysis of electronystagmographic data from pendular tests in normal subjects and in Meniere's disease] Maurizi M, et al. **Rev Otoneuroophtalmol** 1981 Jul–Sep;53(4):371–85 (Eng. Abstr.) **(Fre)**

TRENDS

[Current trends in electronystagmography] Carre J. **J Fr Otorhinolaryngol** 1981 Oct;30(8):529–32 **(Fre)**

ELECTROOCULOGRAPHY

Ocular electrophysiology: principles and clinical applications. Favilla I, et al. **Aust J Ophthalmol** 1981 May;9(2):163–7

The inverse electro-oculogram. Doft BH, et al. **Br J Ophthalmol** 1982 Jun;66(6):379–81

Eye movement artifact nulling in EEGs by multichannel on-line EOG subtraction. Barlow JS, et al. **Electroencephalogr Clin Neurophysiol** 1981 Nov; 52(5):418–23

Eye movement as an indicator of brain function. Kojima T, et al. **Folia Psychiatr Neurol Jpn** 1981;35(4):425–35

Differences in eye movement data recorded by electro-oculography and corneal reflection techniques. Lehtelä J. **Hum Factors** 1981 Dec;23(6):661–5

The fast oscillation of the electro-oculogram. Influence of stimulus intensity and adaptation time on amplitude and peak latency. Thaler AR, et al. **Ophthalmic Res** 1982; 14(3):210–4

Normal values of the basic level of the standing potential and its light rise. Momirov D, et al. **Ophthalmologica** 1982 Apr;184(4):225–31

The electro-oculogram in eyes with choroidal melanoma. Markoff JI, et al. **Ophthalmology (Rochester)** 1981 Nov;

88(11):1122-5

Automatic analysis of electro-oculographic (EOG) recordings. Application to audio-vestibular diagnosis. Bergenius J, et al. **Scand Audiol** 1981;10(3):193-6

[Electro-oculographie study of vergence movements. II. Asymmetric vergence (author's transl)] Quere MA, et al. **J Fr Ophtalmol** 1981;4(5):421-30 (Eng. Abstr.) **(Fre)**

[Electro-oculography and the glaucomatous eye (author's transl)] Saraux H, et al. **J Fr Ophtalmol** 1982;5(4):243-7 (Eng. Abstr.) **(Fre)**

[Value of retinal electrophysiology during treatments by synthetic antimalarial drugs (author's transl)] Perdriel G. **Med Trop (Mars)** 1981 Sep-Oct;41(5):493-6 **(Fre)**

[Scotopic and photopic parts of light and dark vibrations in the electrooculograph] Aschoff U. **Dev Ophthalmol** 1981; 4:149-66 **(Ger)**

[Electro-ophthalmology for the clinician (author's transl)] Henkes HE. **Nippon Ganka Gakkai Zasshi** 1981 Dec 10; 85(12):2055-63 (Eng. Abstr.) **(Jpn)**

[Studies on clinical application of electro-oculography. Part 4 Differential diagnosis of bull's eye mascular lesion with macular dystrophies (author's transl)] Yuzawa M. **Nippon Ganka Gakkai Zasshi** 1981 Oct 10;85(10):1821-34 (Eng. Abstr.) **(Jpn)**

[Electrooculographic data as an index of the functional state of the external retinal layers in blunt trauma of the eye] Val'kova IV. **Oftalmol Zh** 1982;37(1):36-7 (Eng. Abstr.) **(Rus)**

INSTRUMENTATION

Report of the committee on instrumentation and procedures in visual electrophysiology at the request of the Concilium Ophthalmologicum Universale. Van Der Tweel LH, et al. **Doc Ophthalmol** 1981 Nov;51(4):383-95

Digital automatic circuit for over-range correction. Maas AJ, et al. **Med Biol Eng Comput** 1982 Mar;20(2):245-7

[Device for recording the slow potentials of the eye from the electro-oculogram (author's transl)] Lessel MR, et al. **Biomed Tech (Berlin)** 1982 May;27(5):108-10 **(Ger)**

METHODS

Examination of the fast oscillation of the corneoretinal potential under clinical conditions. Rohde N, et al. **Albrecht Von Graefes Arch Klin Exp Ophthalmol** 1981; 217(2):79-90

Electroretinography and nystagmus: subtraction of eye movement artefact. Coupland SG, et al. **Can J Ophthalmol** 1981 Oct;16(4):192-4

Kinetic electro-oculography: aims - disadvantages and limitations. Quéré MA, et al. **Ophthalmologica** 1981; 182(2):73-80

[Mathematical model of dyssynergia] Pastor-Jimeno JC, et al. **Bull Soc Ophtalmol Fr** 1982 Feb;82(2):231-4 **(Fre)**

[Digital recording of electro-oculogram (author's transl)] Tamura O, et al. **Nippon Ganka Gakkai Zasshi** 1981 Sep 10;85(9):1509-12 (Eng. Abstr.) **(Jpn)**

ELECTROPHORESIS

see related
BLOOD PROTEIN ELECTROPHORESIS
IMMUNOELECTROPHORESIS

E-UFA test in multiple sclerosis. Caputo D, et al. **Acta Neurol (Napoli)** 1981 Apr;36(2):409-13 (9 ref.)

On the supernumerary serum lactate dehydrogenase isoenzyme bands [letter] Papadopoulos NM. **Am J Clin Pathol** 1981 Oct;76(4):503-4

Microcomputer assisted interpretative reporting of protein electrophoresis data. Talamo TS, et al. **Am J Clin Pathol** 1982 Jun;77(6):726-30

Nonuniform field gel electrophoresis. Dennison C, et al. **Anal Biochem** 1982 Feb;120(1):12-8

A unifying model for the ionic composition of steady-state electrophoresis systems. Schafer-Nielsen C, et al. **Anal Biochem** 1981 Jul 1;114(2):244-62

A method for rapid quantitation and preparation of antithrombin III--high-affinity heparin fractions. Takahashi HK, et al. **Anal Biochem** 1981 Sep 15; 116(2):456-61

A model of random fiber networks that describes the sieving of particles during gel electrophoresis. Cobbs G. **Biophys J** 1981 Aug;35(2):535-42

Male and female forms of human follicle-stimulating hormone in serum. Wide L. **J Clin Endocrinol Metab** 1982 Oct;55(4):682-8

On the relationship of CSF pleocytosis to immunoglobulin levels as estimated by different techniques. Thompson EJ, et al. **J Neuroimmunol** 1982 Jun;2(3-4):321-30

[Electrophoresis of serum lipoproteins in man and normal adult dogs. Remarks on experiments] Groulade P, et al. **Bull Acad Natl Med (Paris)** 1981 Dec;165(9):1243-50 (Eng. Abstr.) **(Fre)**

[Phoresis of neoplastic cells] Shishido H. **Nippon Rinsho** 1981 Aug;39(8):2856-61 **(Jpn)**

[Electrophoresis on sheets of cellulose acetate in the examination of material evidence] Gurtovaia SV, et al. **Sud Med Ekspert** 1982 Jan-Mar;25(1):38-9 **(Rus)**

[Study of cerebrospinal fluid proteins in multiple sclerosis using multifractionated electrophoresis on cellulose acetate and immunofixation electrophoresis] Dupelj M, et al. **Acta Med Iugosl** 1981;35(4):209-25 (Eng. Abstr.) **(Scr)**

INSTRUMENTATION

Two-dimensional spectroscopy of electrophoretic gels. Klebe RJ, et al. **Biochem Genet** 1981 Aug;19(7-8):655-72

Simple equipment for enzyme electrophoresis of Schistosoma, Biomphalaria, and Bulinus species. Jelnes JE. **Z Parasitenkd** 1981;66(1):117-9

[A new multipurpose electrophoretic apparatus (author's transl)] Yoshida K. **Tanpakushitsu Kakusan Koso** 1981 Mar; 26(3):258-60 **(Jpn)**

[A new simplified flat bed electrophoretic apparatus with a self-made power supply and its application methods (author's transl)] Yoshida K. **Tanpakushitsu Kakusan Koso** 1981 Jul;26(8):1052-8 **(Jpn)**

[Electrophoretic separation of creatine phosphokinase isoenzymes on acetate cellulose film] Filippov IK, et al. **Lab Delo** 1981;(5):293-7 (Eng. Abstr.) **(Rus)**

[Method of separating creatine phosphokinase isoenzymes Soviet-made acetate film for electrophoresis] Voronkov GS, et al. **Vopr Med Khim** 1982 Mar-Apr;28(2):136-7 **(Rus)**

METHODS

A multi-enzyme electrophoretic system for the identification of seminal fluid from postmortem specimens. Shaler RC. **Am J Forensic Med Pathol** 1981 Dec;2(4):315-21

The use of agar for gel electrophoresis of DNA. Bush CN, et al. **Anal Biochem** 1982 Jan 1;119(1):164-6

Preparative isoelectric focusing in agarose. Chapuis-Cellier C, et al. **Anal Biochem** 1981 May 15;113(2):325-31

Protease-facilitated transfer of high-molecular-weight proteins during electrotransfer to nitrocellulose. Gibson W. **Anal Biochem** 1981 Nov 15;118(1):1-3

A rapid, inexpensive, quantitative technique for the analysis of two-dimensional electrophoretograms. Mariash CN, et al. **Anal Biochem** 1982 Apr;121(2):388-94

A new continuous, monodimensional electrophoretic system for the separation and quantitation of individual glycosaminoglycans. Schuchman EH, et al. **Anal Biochem** 1981 Nov 1;117(2):419-26

Analytical gel electrophoresis of high-molecular-weight RNA in acrylamide-agarose gels containing methylmercuric hydroxide. Sebo TJ, et al. **Anal Biochem** 1982 Feb;120(1):136-45

Two-dimensional electrophoresis on the layers of cellulose acetate membrane. Toda T, et al. **Anal Biochem** 1982 Jan 1;119(1):167-76

Detection limits for protein after electrophoresis on cellulose acetate. Goodland FC. **Ann Clin Biochem** 1982 Mar;19(Pt 2):117-9

Visualization of isozymes which generate inorganic phosphate. Klebe RJ, et al. **Biochem Genet** 1981 Oct; 19(9-10):921-7

The effect of ligand presaturation on the interaction of serum albumins with an immobilized Cibacron Blue 3G-A studied by affinity gel electrophoresis. Metcalf EC, et al. **Biochem J** 1981 Dec 1;199(3):465-72

The automated analytical electrophoresis microscope. Bartels PH, et al. **Cell Biophys** 1981 Dec;3(4):371-86

Comparison of an agarose electrophoresis method and four ion-exchange methods for the measurement of the creatine kinase MB fraction in human serum. Desjardins PR. **Clin Biochem** 1981 Apr;14(2):61-6

The method of multilayer gel plates for the analytical immunochemical techniques. Constantinescu G, et al. **Endocrinologie** 1981 Jul-Sep;19(3):195-8

Reversed immunofixation agar gel electrophoresis. Ottó S. **Immunol Lett** 1982 Feb;4(2):85-6

A study on heat-stable enterotoxins of enteropathogenic E. coli: Part I. Fractionation by agar gel electrophoresis. Tewari L, et al. **Indian J Med Sci** 1981 May;35(5):99-103

Interactions between DNA-binding fluorochromes and mucopolysaccharides in agarose-diffusion test. Grossgebauer K, et al. **Klin Wochenschr** 1981 Sep 15; 59(18):1065-6

Modification of the Helena electrophoretic procedure for urinary VMA for paediatric purposes. Ersser RS, et al. **Med Lab Sci** 1982 Jan;39(1):63-5

Separation of closed circular DNA from linear DNA by electrophoresis in two dimensions in agarose gels. Oppenheim A. **Nucleic Acids Res** 1981 Dec 21; 9(24):6805-12

Detection of viral capsid-DNA complexes. Serwer P, et al. **Prog Clin Biol Res** 1981;64:231-8

Evaluation of a method for quantitative serum lipoprotein analysis. Parra H, et al. **Ric Clin Lab** 1982 Jan-Mar; 12(1):173-80

Improvement of the electrophoretic mobility test to measure lymphocyte sensitization. Zwergel T, et al. **Urol Int** 1981; 36(4):217-24

The use of high-voltage electrophoresis in the toxicological chemistry of a clinical laboratory. Hofmann F, et al. **Z Med Lab Diagn** 1981;22(2):89-93

[A new buffer for cellulose acetate foil electrophoresis] Töpfer G. **Z Med Lab Diagn** 1981;22(3):129-34 (Eng. Abstr.) **(Ger)**

[Biosynthetic and analytical method of hemoglobin - a new technique for the diagnosis of thalassemia (author's transl)] Harano T, et al. **Rinsho Byori** 1981;29(7):670-9 **(Jpn)**

[The new method for agarose gel electrophoresis of LDH isozymes using Tego-51 (author's transl)] Saito T, et al. **Rinsho Byori** 1981 Dec;29(12):1263-6 **(Jpn)**

[Separation of mouse bone marrow cells by preparative electrophoresis] Kotel'nikov VM, et al. **Biull Eksp Biol Med** 1982 May;93(5):102-4 (Eng. Abstr.) **(Rus)**

ELECTROPHORESIS, AGAR GEL see under **ELECTROPHORESIS**

ELECTROPHORESIS, CELLULOSE ACETATE see under **ELECTROPHORESIS**

ELECTROPHORESIS, DISC

Micro disc gradient gel electrophoresis of seminal plasma proteins before and after vasectomy and in different split ejaculate fractions. Perwein E, et al. **Andrologia** 1982 Mar-Apr;14(2):130-4

METHODS

A simple method for purification of rat alpha-fetoprotein by affi-gel blue chromatography and disc electrophoresis. Miyazaki M, et al. **Acta Med Okayama** 1981 Dec; 35(6):427-30

Microdisc gel electrophoresis in sodium dodecyl sulfate of organic material from rat otoconial complexes. Ross MD, et al. **Ann NY Acad Sci** 1981;374:808-19

ELECTROPHORESIS, PAPER

[Electrophoresis of serum lipoproteins in man and normal adult dogs. Remarks on experiments] Groulade P, et al. **Bull Acad Natl Med (Paris)** 1981 Dec;165(9):1243-50 (Eng. Abstr.) **(Fre)**

METHODS

Determination of ionization constants by paper electrophoresis. Tate ME. **Biochem J** 1981 May 1; 195(2):419-26

ELECTROPHORESIS, POLYACRYLAMIDE GEL

Electrophoretic separation and identification of perilymph proteins in cases of acoustic neuroma. O'Connor AF, et al. **Acta Otolaryngol (Stockh)** 1982 Mar-Apr; 93(3-4):195-200

A rapid and highly sensitive method of identifying lymphocyte hybridomas by electrophoresis of glucose-phosphate isomerase isozymes. Rogers TJ, et al. **Anal Biochem** 1981 Sep 15;116(2):389-92

A method for the preparation of low-pH dodecyl sulphate/polyacrylamide-gradient gels. Jones GD, et al. **Biochem J** 1981 Mar 1;193(3):1013-5

Two-dimensional gel electrophoresis. **Clin Chem** 1982 Apr; 28(4 Pt 2):737-1092

The Human Protein Index. Anderson NG, et al. **Clin Chem** 1982 Apr;28(4 Pt 2):739-48

Some extensions to the GELLAB two-dimensional electrophoretic gel analysis system. Lemkin PF, et al. **Clin Chem** 1982 Apr;28(4 Pt 2):840-9

Computer analysis of two-dimensional gels: semi-automatic matching. Miller MJ, et al. **Clin Chem** 1982 Apr;28(4 Pt 2):867-75

Differential effect of urea on the migration of collagenous and non-collagenous polypeptides in SDS gels: basis for their separation by two-dimensional electrophoresis. Duhamel RC, et al. **Coll Relat Res** 1981 Feb;1(2):201-7

Tumor-associated serum proteins in rats as detected by two-dimensional gel electrophoresis. Hirano N, et al. **Gan** 1981 Jun;72(3):346-53

The use of globin chain electrophoresis in polyacrylamide gels for the quantitation of the G gamma to A gamma ratio in fetal hemoglobin. Efremov GD, et al. **Hemoglobin** 1981;5(7-8):637-51

Rapid, simple method of preparing rotaviral double-stranded ribonucleic acid for analysis by polyacrylamide gel electrophoresis. Theil KW, et al. **J Clin Microbiol** 1981 Sep;14(3):273-80

Immunochemical determination of pituitary growth hormone separated by polyacrylamide disc gel electrophoresis in normal and dwarf chickens. Hoshino S, et al. **Poult Sci** 1982 Apr;61(4):813-5

[Application of two-dimensional electrophoresis to the analysis of speciation in Anopheles hyrcanus complex (author's transl)] Imajoh S. **Seikagaku** 1981;53(3):159-64 **(Jpn)**

[Effect of the inter- and intramolecular disulfide bonds on the electrophoretic properties of influenza virus proteins] Selimova LM, et al. **Vopr Virusol** 1981 May-Jun;(3):358-65 (Eng. Abstr.) **(Rus)**

INSTRUMENTATION

A new method of sample application for horizontal slab polyacrylamide gel electrophoresis. Every D. **Anal Biochem** 1981 Jul 15;115(1):7-10

A small-volume electrophoretic concentrator. Rhodes DG, et al. **Anal Biochem** 1981 Sep 15;116(2):379-82

The TYCHO system for computer analysis of two-dimensional gel electrophoresis patterns. Anderson NL, et al. **Clin Chem** 1981 Nov;27(11):1807-20

GELLAB: a computer system for 2D gel electrophoresis

analysis I. Segmentation of spots and system preliminaries.. Lemkin PF, et al. **Comput Biomed Res** 1981 Jun; 14(3):272–97

Cherchez les femmes (or the personal touch in the laboratory). Seller MJ. **J Med Genet** 1981 Dec;18(6):463–4

[Device for the electrophoretic decolorizing of polyacrylamide gel columns] Avdeev GI. **Lab Delo** 1982; (5):311 **(Rus)**

[Device for removing polyacrylamide gel from tubes] Mitsenko MD. **Lab Delo** 1981;(6):375 **(Rus)**

[Apparatus for plate gel electrophoresis] Polokaĭnen AP, et al. **Lab Delo** 1982;(5):294–6 (Eng. Abstr.) **(Rus)**

METHODS

Separation of allelic variants by two-dimensional electrophoresis. Wanner LA, et al. **Am J Hum Genet** 1982 Mar;34(2):209–15

Simplified techniques for elution of proteins from polyacrylamide gel, staining, destaining, and isoelectric focusing. Bodhe AM, et al. **Anal Biochem** 1982 Jun; 123(1):133–42

Quantitative measurement of protease activities in slab polyacrylamide gel electrophoretograms. Every D. **Anal Biochem** 1981 Sep 15;116(2):519–23

Two-dimensional gel electrophoresis of chicken skeletal muscle proteins with agarose gels in the first dimension. Hirabayashi T. **Anal Biochem** 1981 Nov 1;117(2):443–51

Demonstration, by renaturation in O'Farrell gels, of heterogeneity in Dictyostelium uridine diphosphoglucose pyrophosphorylase. Manrow RE, et al. **Anal Biochem** 1982 Feb;120(1):181–8

A triton X-100 acid urea electrophoresis system for the rapid analysis of low specific activity globins. Mezl VA, et al. **Anal Biochem** 1981 Nov 1;117(2):452–8

Improved polyacrylamide gel electrophoresis with different amino acids as the trailing constituent. Parkinson AM, et al. **Anal Biochem** 1981 Oct;117(1):6–11

A new discontinuous buffer system for the electrophoresis of cationic proteins at near-neutral pH. Thomas JM, et al. **Anal Biochem** 1981 Nov 15;118(1):194–6

Adaptation of gel electrophoresis for the quantitative study of specific ion binding: interaction of phosphate with ovalbumin. Ward LD, et al. **Arch Biochem Biophys** 1981 Jul;209(2):650–4

Double-label reductive methylation of tissue proteins for precision two-dimensional polyacrylamide–gel electrophoretic analysis. Finger JM, et al. **Biochem J** 1981 Jan 1;193(1):371–4

Chiroptical properties of chlorophyll-protein complexes separated on Deriphat/polyacrylamide gel. Gregory RP, et al. **Biochem J** 1982 Jan 15;202(1):25–9

A convenient zymogram stain for cellulases. McHale A, et al. **Biochem J** 1981 Oct 1;199(1):267–8

Denaturation of proteins and nucleic acids by thermal-gradient electrophoresis. Thatcher DR, et al. **Biochem J** 1981 Jul 1;197(1):105–9

SDS-glycerol polyacrylamide gel electrophoresis of plasma apolipoproteins. Connelly PW, et al. **Biochim Biophys Acta** 1982 May 13;711(2):245–51

The influence of polymerization conditions on the 3-ketosteroid delta 1-dehydrogenase activity of Mycobacterium globiforme cells included in a gel. Koshcheenko KA, et al. **Biol Bull Acad Sci Ussr** 1981 Mar–Apr;8(2):97–102

A computer program using Gaussian fitting for evaluation of two-dimensional gels. Brown WT, et al. **Clin Chem** 1982 Apr;28(4 Pt 2):1041–4

Some relatively simple steps toward a computer system for the analysis of two-dimensional gel-electrophoresis autoradiographs. Fox SH. **Clin Chem** 1982 Apr;28(4 Pt 2):932–4

An approach to completely automatic comparison of two-dimensional electrophoresis gels. Skolnick MM. **Clin Chem** 1982 Apr;28(4 Pt 2):979–86

Computer programs for adapting two-dimensional gels to the study of mutation. Skolnick MM, et al. **Clin Chem** 1982 Apr;28(4 Pt 2):969–78

Two-dimensional electrophoresis of the alpha-chains of collagens and its application to the determination of their isoelectric points. Tanaka S, et al. **Coll Relat Res** 1981 Apr; 1(3):237–46

GELLAB: a computer system for two-dimensional gel electrophoresis analysis. III. Multiple two-dimensional gel analysis. Lemkin PF, et al. **Comput Biomed Res** 1981 Oct; 14(5):407–46

Quantitation of monomeric and non-monomeric forms of albumin. Tankersley DL, et al. **Dev Biol Stand** 1980; 48:113–21

Electrophoretic assay of folylpolyglutamate synthetase activity. Priest DG, et al. **J Biochem Biophys Methods** 1981 Dec;5(5):273–7

A simple and reliable method for the drying of polyacrylamide slab gels. Wallevik K, et al. **J Biochem Biophys Methods** 1982 Apr;6(1):17–21

Human rotavirus RNA prepared from stool samples by a simple procedure suitable for the determination of electropherotypes. Cash P. **J Virol Methods** 1982 Mar; 4(2):107–15

Rapid electronic autofluorography of labeled macromolecules on two-dimensional gels. Davidson JB, et al. **Science** 1982 Mar 12;215(4538):1398–400

[Electrophoretic separation of frozen sections (description of a method)] Runde H, et al. **Gegenbaurs Morphol Jahrb** 1981;127(5):698–701 **(Ger)**

[Controlled electrophoresis of serum proteins on polyacrylamide gel (author's transl)] Syuto B, et al. **Nippon Juigaku Zasshi** 1981 Feb;43(1):71–7 (Eng. Abstr.) **(Jpn)**

[Polyacrylamide gradient gel electrophoresis - isozyme study of alkaline phosphatase (author's transl)] Hattori Y, et al. **Rinsho Byori** 1981;29(7):643–8 **(Jpn)**

[Electric transfer of peptides from acrylamide gels to nitrocellulose sheets: Procedure and some applications of 'Western blotting' (author's transl)] Ochiai H. **Seikagaku** 1982;54(2):107–9 **(Jpn)**

[Micro-scale peptide mapping technique (author's transl)] Tanabe K. **Seikagaku** 1981;53(5):337–40 **(Jpn)**

[Polyacrylamide gel electrophoretic study of cattle pancreatic proteins] Kniazeva LA, et al. **Biol Nauki** 1982; (1):24–7 **(Rus)**

[Polyacrylamide gel electrophoresis of the cerebrospinal fluid] Cherepnina NP, et al. **Lab Delo** 1982;(5):312–3 **(Rus)**

[Method of mixing components for pouring polyacrylamide gels in electrophoresis] Polokaĭnen AP. **Lab Delo** 1981; (8):488–9 **(Rus)**

[Method of locating the protein bands on an electrophoregram] Polokaĭnen AP. **Lab Delo** 1982;(1):17–9 (Eng. Abstr.) **(Rus)**

[Use of preparative electrophoresis for isolating the light-chain hemagglutinin of the influenza virus] Kharitonenkov IG, et al. **Vopr Virusol** 1982 Mar–Apr; 27(2):181–4 (Eng. Abstr.) **(Rus)**

ELECTROPHORESIS, STARCH GEL

Genetic monitoring of inbred strains of mice using electrophoresis and electrofocusing. Bulfield G, et al. **Lab Anim** 1981 Apr;15(2):147–9

METHODS

Filarial enzymes by the horizontal starch-gel electrophoresis technique. Lim HH, et al. **Southeast Asian J Trop Med Public Health** 1981 Dec; 12(4):513–7

[A starch gel electropheresis micromethod for the study of isolated microarthropods] Dujardin JP, et al. **Ann Soc Belg Med Trop** 1981 Dec;61(4):467–75 (Eng. Abstr.) **(Fre)**

ELECTROPHORUS

METABOLISM

Spontaneously reactivation of acetylcholinesterase inhibited by diisopropylfluorophosphate. Lanks KW, et al. **Biochim Biophys Acta** 1981 Jul 24;660(1):91–5

Modification of the tetrodotoxin receptor in Electrophorus electricus by phospholipase A2. Reed JK. **Biochim Biophys Acta** 1981 Aug 6;646(1):43–50

Agents related to a potent activator of the acetylcholine receptor of Electrophorus electricus. Wassermann NH, et al. **Chem Biol Interact** 1981 Sep;36(3):251–8

Internal flexibility of inhibitors bound to Electrophorus electricus acetylcholinesterase: proton nuclear magnetic resonance spectroscopy. Marshall AG, et al. **Mol Pharmacol** 1981 Jul;20(1):89–97

ELECTROPHYSIOLOGY

Mechanism of cycling of migrating myoelectric complexes: effect of morphine. Sarna S, et al. **Am J Physiol** 1982 Jun; 242(6):G588–95

An electrophysiological correlate of phonemic discrimination. Jacobson GP, et al. **Audiology** 1981; 20(6):480–7

Biological effects of oscillating electric fields: role of voltage-sensitive ion channels. Cain CA. **Bioelectromagnetics** 1981;2(1):23–32

General properties of the interaction between animals and ELF electric fields. Kaune WT, et al. **Bioelectromagnetics** 1981;2(1):1–11

Interactive effects in 60-Hz electric-field exposure systems. Kaune WT. **Bioelectromagnetics** 1981;2(1):33–50

Controllability of an aversive stimulus in depressed patients and health controls: a study using slow brain potentials. Bolz J, et al. **Biol Psychiatry** 1981 May;16(5):441–52

CNV and EMG preceding a plantar flexion of the foot. Brunia CH, et al. **Biol Psychol** 1980 Nov–Dec; 11(3–4):181–91

Asymmetries of the contingent negative variation (CNV) and its after positive wave (APW) related to differential hemispheric involvement in verbal and non-verbal tasks. Butler SR, et al. **Biol Psychol** 1981 Dec;13:157–71

A correlation study of contingent negative variation, reaction time, and EEG power spectrum in control and psychopathological populations. Mantanus H, et al. **Biol Psychol** 1981 Dec;13:227–37

Slow potential correlates of attention dysfunction in senile dementia: I. O'Conner KP. **Biol Psychol** 1980 Nov–Dec; 11(3–4):193–202

Slow potential correlates of attention dysfunction in senile dementia: II. O'Connor KP. **Biol Psychol** 1980 Nov–Dec; 11(3–4):203–16

The measurement of the high frequency electrical properties of tissue. Sheppard RJ. **Br J Cancer [Suppl]** 1982 Mar; 45(5):5–8

Electrical properties of compact bone. Chakkalakal DA, et al. **Clin Orthop** 1981 Nov–Dec;(161):133–45

CNV rebound and aging. Tecce JJ, et al. **Electroencephalogr Clin Neurophysiol** 1982 Aug; 54(2):175–86

Precentral cortex unit activity during the M-wave and contingent negative variation in behaving squirrel monkeys. Boyd EH, et al. **Exp Neurol** 1982 Mar;75(3):535–54

A new method of evaluating the postimperative negative variation (PINV). Iida H, et al. **Folia Psychiatr Neurol Jpn** 1982;36(1):75–80

Slow negative potentials during problem-solving. Kadobayashi I, et al. **Folia Psychiatr Neurol Jpn** 1982; 36(1):53–8

Recovery of CNV area after nonresponse condition: inverted-U relation with arousal. Nakamura M, et al. **Folia Psychiatr Neurol Jpn** 1981;35(2):159–65

Melancholia and excessive CNV recovery after nonresponse condition. Nakamura M, et al. **Folia Psychiatr Neurol Jpn** 1982;36(1):81–8

Natural electrical RF oscillation from cells. Pohl HA. **J Bioenerg Biomembr** 1981 Aug;13(3–4):149–69

The contingent negative variation as an indicator of speech discrimination difficulty. Jacobson GP, et al. **J Speech Hear Res** 1981 Sep;24(3):345–50

Electrophysiological approaches to human cognitive processing. Based on an NRP work session. **Neurosci Res Program Bull** 1981 Nov;20(2):141–265

[Study of CNV in patients with chronic respiratory insufficiency (author's transl)] Hausman J. **Rev Electroencephalogr Neurophysiol Clin** 1981 Nov; 11(2):253–8 (Eng. Abstr.) **(Fre)**

[Inversion of the polarity of contingent negative variation during falling asleep (author's transl)] Timsit-Berthier M, et al. **Rev Electroencephalogr Neurophysiol Clin** 1981 Sep; 11(1):82–8 (Eng. Abstr.) **(Fre)**

[Concerning the interpretation of the contingent negative variation in psychiatry (author's transl)] Timsit-Berthier M. **Rev Electroencephalogr Neurophysiol Clin** 1981 Nov; 11(2):236–44 (Eng. Abstr.) **(Fre)**

[Olfactory stimulation and contingent negative variation (CNV) (author's transl)] Gerull G, et al. **EEG EMG** 1981 Sep;12(3):125–7 (Eng. Abstr.) **(Ger)**

[Induced parasystole as a method of electrophysiological investigation] Adinolfi L, et al. **Boll Soc Ital Cardiol** 1980; 25(3):321–7 (Eng. Abstr.) **(Ita)**

[Cerebral psychophysiology: contingent negative variation and its application in psychology and psychopathology] de la Parra G, et al. **Rev Neuropsiquiatr** 1980 Mar; 43(1):55–64 (Eng. Abstr.) **(Spa)**

HISTORY

Electric Medicine and Mesmerism. Sutton G. **Isis** 1981 Sep; 72(263):375–92

The first reported case of electrical stimulation of the human brain. Margan JP. **J Hist Med Allied Sci** 1982 Jan; 37(1):51–64

[Electrotherapy in the 18th century. Electrophysiology and electrotherapy research by Piedmont scholars] Cremona GF. **Ann Osp Maria Vittoria Torino** 1981 Jan–Jun; 24(1–6):167–77 **(Ita)**

INSTRUMENTATION

A dual-channel signal averager for spontaneous signals. Fabiato A, et al. **Am J Physiol** 1982 Feb;242(2):H291–6

A circuit for measuring peak potential. McGillivray R, et al. **Am J Physiol** 1981 Sep;241(3):H455–8

The development of a micro-computer system for electrophysiological assessment. Stark DJ, et al. **Aust J Ophthalmol** 1981 May;9(2):129–33

A control and data processing instrument for kidney tubule research. Hauser SE, et al. **Biomed Sci Instrum** 1981;17:13–9

Cross correlation analysis of averaged slow wave field potentials related to auditory stimuli. Turbes CC, et al. **Biomed Sci Instrum** 1981;17:53–9

Control methods of stimulating artifacts recorded extracellularly in a volume conductor -- an electronic approach. Young MS, et al. **Biomed Sci Instrum** 1981; 17:61–4

A miniature, moveable electrode for brain stimulation in small animals. Miliaressis E. **Brain Res Bull** 1981 Dec;7(6):715–8

Continuous registration of blood velocity and cardiac output with a hot-film anemometer probe, mounted on a Swan-Ganz thermodilution catheter. Paulsen PK, et al. **Eur Surg Res** 1981;13(5):376–86

Physiological stimulators: from electric fish to programmable implants. Seligman LJ. **IEEE Trans Biomed Eng** 1982 Apr; 29(4):270–84

A control and data processing instrument for kidney tubule research. Hauser SE, et al. **ISA Trans** 1982;21(1):31–5

Electroneurographic recordings with polymer cuff electrodes in paralyzed cats. Julien C, et al. **J Neurosci Methods** 1982 Mar;5(3):267–72

Rapid freezing of neural tissues for electron microscopy: a specimen carrier for correlative electrophysiological studies. Pysh JJ, et al. **J Neurosci Methods** 1982 Mar; 5(3):273–81

Neurophysiological field potential analysis by

microcomputer. Teyler TJ, et al. **J Neurosci Methods** 1982 Mar;5(3):291–303

The detection of unipolar and bipolar cardiac electrograms with a movable coaxial electrode. Hughes HC, et al. **J Surg Res** 1981 Dec;31(6):469–74

Simple digital instrument for time measurement in muscle mechanics. Burke DJ, et al. **Med Biol Eng Comput** 1981 Nov;19(6):786–8

Computer interface for electrophysiological applications: simple modifications to a commercial (Datel) single-board data-aquisition system. Demjanenko V, et al. **Med Biol Eng Comput** 1982 Jan;20(1):65–9

Comparison of electrode impedances of Pt, PtIr (10% Ir) and Ir-AIROF electrodes used in electrophysiological experiments. Gielen FL, et al. **Med Biol Eng Comput** 1982 Jan;20(1):77–83

Fast microelectrode headstage for voltage clamp. Sachs F, et al. **Med Biol Eng Comput** 1981 May;19(3):316–20

A window amplitude discriminator which reproduces the waveforms of accepted action potentials. Sundet WD, et al. **Med Biol Eng Comput** 1981 Jan;19(1):23–7

Time to buy a squid? [news] Stowell H. **Nature** 1981 Oct 22;293(5834):610

Improved patch-clamp techniques for high-resolution current recording from cells and cell-free membrane patches. Hamill OP, et al. **Pflugers Arch** 1981 Aug; 391(2):85–100

A low-cost precision electrode impedance meter. Dunseath WJ. **Psychophysiology** 1982 Jan;19(1):117–9

[An integrator for recording the unit discharge of different neurons (author's transl)] Liu GS. **Sheng Li Ko Hsueh Chin Chan** 1981 Mar;12(3):275–7 **(Chi)**

[A universal instrumentation amplifier with a DC-compensation path providing equal resolution in all measuring ranges (author's transl)] Möller DP. **Biomed Tech (Berlin)** 1982 Jun;27(6):147–52 (Eng. Abstr.) **(Ger)**

[Device for the measurement of magnetically-induced interference voltage in the leakage of electrophysiological values] Wach P, et al. **Biomed Tech (Berlin)** 1981 Nov; 26(11):274–7 (Eng. Abstr.) **(Ger)**

[Modification of the single sucrose gap method] Artemenko DP, et al. **Fiziol Zh** 1982 May;28(3):374–80 **(Rus)**

[Instrument for microelectrode studies of isolated warm-blooded preparations] Nazaruk IA, et al. **Fiziol Zh** 1981 Sep–Oct;27(5):714–7 **(Rus)**

[Photorecorder with a controlling mechanism and special marker] Al'bertin SV, et al. **Fiziol Zh SSSR** 1981 Sep; 67(9):1407–9 **(Rus)**

[Floating microelectrode for recording the spike activity of the cerebral neurons of homeothermic animals] Butukhanov VV, et al. **Fiziol Zh SSSR** 1981 May; 67(5):764–7 **(Rus)**

[Device for recording muscle minitremor from the surface of the body] Butukhanov VV, et al. **Fiziol Zh SSSR** 1982 Jan;68(1):123–6 **(Rus)**

[Differentiator for microelectrode studies of cells] Karpushov EN, et al. **Fiziol Zh SSSR** 1981 Nov;67(11):1752–5 **(Rus)**

[Device for protracted recording of neuronal activity in chronic experiments] Mikhailov AV, et al. **Fiziol Zh SSSR** 1981 May;67(5):767–71 **(Rus)**

[Use of a magnetic coupling in a system for sharpening microelectrodes] Pogorelov AG, et al. **Fiziol Zh SSSR** 1981 Jul;67(7):1110–1 **(Rus)**

[Electrophysiologic study of cat urinary bladder ganglia in a special thermostatically controlled chamber] Reimar [illegible], et al. **Fiziol Zh SSSR** 1981 Oct;67(10):1564–8 **(Rus)**

[Electrometric amplifier for work with ion-selective microelectrodes] Riabov BT. **Fiziol Zh SSSR** 1982 Jan; 68(1):120–3 **(Rus)**

[Uncoupling single-transformer amplifier of biopotentials] Bol'shov VM, et al. **Med Tekh** 1982 Mar–Apr;(2):24–8 **(Rus)**

[Device for pharmacologic and electrophysiologic studies of subcortical brain structures in chronic experiments in animals] Shuvaev VT, et al. **Zh Vyssh Nerv Deiat** 1981 Sep–Oct;31(5):1093–6 **(Rus)**

[Phase-sensitive differential amplitude discriminator for identifying the spiking of individual neurons in the midst of multineuronal activity] Sil'kis IG, et al. **Zh Vyssh Nerv Deiat** 1981 May–Jun;31(3):651–3 **(Rus)**

METHODS

The measurement of membrane potential using optical indicators. Bashford CL. **Biosci Rep** 1981 Mar;1(3):183–96 (57 ref.)

Solution methods of electrical field problems in physiology. Heringa A, et al. **IEEE Trans Biomed Eng** 1982 Jan; 29(1):34–42

Numerical method for correcting the series resistance error in voltage clamp experiments. Palti Y, et al. **Isr J Med Sci** 1982 Jan;18(1):19–24

Water sorption-desorption test of the skin in vivo for functional assessment of the stratum corneum. Tagami H, et al. **J Invest Dermatol** 1982 May;78(5):425–8

Autocorrelation, cross correlation and coherence analyses of the electrical activity of the human stomach in the postoperative period. Aldrete JS, et al. **Surg Gynecol Obstet** 1982 Mar;154(3):359–65

['Micro-lead' technic for recording ion currents through the membranes of individual myocardial cells] Zil'berter IuI, et al. **Biull Eksp Biol Med** 1981 Dec;92(12):759–61 (Eng. Abstr.) **(Rus)**

[Use of voltage clamping in studies of the electrical and contractile properties of excitable tissue] Rekalov VV, et al. **Fiziol Zh** 1981 Jul–Aug;27(4):564–5 **(Rus)**

[Simple method of standardized application of electric stimuli] Al'bertin SV, et al. **Fiziol Zh SSSR** 1981 Nov; 67(11):1750–2 **(Rus)**

[Method of microelectrode scanning of the cerebral cortex] Chebkasov SA. **Fiziol Zh SSSR** 1981 Dec;67(12):1886–90 **(Rus)**

[A procedure for the simultaneous recording of electrophysiological parameters and biochemical indices of the blood] Sapegin DI, et al. **Gig Sanit** 1981 Dec;(12):36–7 **(Rus)**

ELECTRORETINOGRAPHY

Electroretinogram in parkinsonism and effects of L-DOPA. Filipová M, et al. **Act Nerv Super (Praha)** 1981 Dec; 23(4):301–2

The c-wave of the electroretinogram in vitelliruptive macular degeneration (älvdalssjukan). Skoog KO, et al. **Acta Ophthalmol (Copenh)** 1981 Oct;59(5):756–8

The hypoxic retinopathy syndrome. Nickel BL, et al. **Am J Ophthalmol** 1982 May;93(5):589–93

Simultaneous electroretinograms and evoked potentials. Armington JC. **Ann NY Acad Sci** 1982;388:572–9

Electroretinographic and visual cortical potentials in response to alternating gratings. Maffei L. **Ann NY Acad Sci** 1982;388:1–10

Ocular electrophysiology: principles and clinical applications. Favilla I, et al. **Aust J Ophthalmol** 1981 May;9(2):163–7

The photomyoclonic reflex: an artefact in the clinical electroretinogram. Johnson MA, et al. **Br J Ophthalmol** 1982 Jun;66(6):368–78

Abnormal electroretinograms and visual evoked potentials in chronic papilledema using time-difference analysis. Kirkham TH, et al. **Can J Neurol Sci** 1981 Aug;8(3):243–8

Resistance in clinical electroretinography: its role in amplitude variability. Lemagne JM, et al. **Can J Ophthalmol** 1982 Apr;17(2):67–9

Dependence of the b-wave on the potassium concentration in the isolated superfused rabbit retina. Hanitzsch R. **Doc Ophthalmol** 1981 Jul 15;51(3):235–40

Effect of optic nerve sectioning on e.r.g. (A electrophysiological and histological experimental study). Khosla PK, et al. **Indian J Ophthalmol** 1981 OCT; 29(3):263–7

Human pattern-evoked retinal responses are altered by optic atrophy. Dawson WW, et al. **Invest Ophthalmol Vis Sci** 1982 Jun;22(6):796–803

Vulnerability of the rabbit eye to torsion and pulling-out — a functional study, monitored by ERG and VECP. Kawano S, et al. **Ophthalmic Surg** 1981 Nov;12(11):830–3

Advantages and drawbacks of some ERG stimulation and data-processing methods. Tóth S, et al. **Ophthalmologica** 1981;183(4):197–204

Electroretinography and visual evoked responses in paediatric practice. Leary PM, et al. **S Afr Med J** 1982 Apr 3;61(14):515–7

Origins of the ERG waves. Tomita T, et al. **Vision Res** 1981; 21(11):1703–7

[Experimental observations on the C-wave of the electroretinogram (author's transl)] Wu LZ. **Chung Hua Yen Ko Tsa Chih** 1981 Jul;17(4):193–6 **(Chi)**

[Nephrogenic hypertension and electric activity of the retina in patients with chronic renal insufficiency subjected to periodical dialysis therapy (author's transl)] Svěrák J, et al. **Cas Lek Cesk** 1981 Nov 12;120(45):1381–5 (Eng. Abstr.) **(Cze)**

[Long-term changes of ERG in retinal detachments(author's transl)] Hrachovina V, et al. **Cesk Oftalmol** 1982 May; 38(3):162–7 (Eng. Abstr.) **(Cze)**

[Electroretinography and acquired disorders of the optic nerve and papilla] Coulon JJ. **Bull Mem Soc Fr Ophtalmol** 1981;93:320–5 **(Fre)**

[The presence of an albino ERG in the pigmented rat: genetic implications (author's transl)] Weidner C. **J Physiol (Paris)** 1981 Mar;77(8):813–21 (Eng. Abstr.) **(Fre)**

[Value of retinal electrophysiology during treatments by synthetic antimalarial drugs (author's transl)] Perdriel G. **Med Trop (Mars)** 1981 Sep–Oct;41(5):493–6 **(Fre)**

[Variability of visual acuity, dark adaptation and electroretinogram in retinitis pigmentosa] Niemeyer G, et al. **Klin Monatsbl Augenheilkd** 1982 May;180(5):401–4 (Eng. Abstr.) **(Ger)**

[Electro-ophthalmology for the clinician (author's transl)] Henkes HE. **Nippon Ganka Gakkai Zasshi** 1981 Dec 10; 85(12):2055–63 (Eng. Abstr.) **(Jpn)**

[Effects of cervical sympathetic nerve block on the change of electroretinogram by raising intra-ocular pressure in rabbits (author's transl)] Matsuura M, et al. **Nippon Ganka Gakkai Zasshi** 1982;86(3):307–14 (Eng. Abstr.) **(Jpn)**

[Simultaneous recording of local ERG and VER under direct fundus observation with infrared television fundus camera (author's transl)] Miyake Y, et al. **Nippon Ganka Gakkai Zasshi** 1981 Oct 10;85(10):1521–33 (Eng. Abstr.) **(Jpn)**

[Suppression of electroretinographic b-wave and oscillatory potential by aminoadipic acid (author's transl)] Nakata Y, et al. **Nippon Ganka Gakkai Zasshi** 1982;86(2):148–53 (Eng. Abstr.) **(Jpn)**

[Abnormal spectral sensitivity of electroretinographic off-response in protanopia and protanomalia (author's transl)] Nakazato H, et al. **Nippon Ganka Gakkai Zasshi** 1981 Oct 10;85(10):1513–20 (Eng. Abstr.) **(Jpn)**

[Electroretinogram in juvenile-onset diabetes mellitus (author's transl)] Okumura T, et al. **Nippon Ganka Gakkai Zasshi** 1981;85(11):2016–22 (Eng. Abstr.) **(Jpn)**

[Electroretinogram in adult-onset diabetes mellitus (author's transl)] Okumura T, et al. **Nippon Ganka Gakkai Zasshi** 1981;85(11):2023–9 (Eng. Abstr.) **(Jpn)**

[Oscillatory potential and renal function in adult-onset diabetes mellitus (author's transl)] Okumura T, et al. **Nippon Ganka Gakkai Zasshi** 1981;85(11):2046–53 (Eng. Abstr.) **(Jpn)**

[Studies on the nature of the oscillatory potential of the human electroretinogram. Effects of background and stimulus light intensities upon the implicit time (author's transl)] Shinzato K. **Nippon Ganka Gakkai Zasshi** 1982; 86(2):181–7 (Eng. Abstr.) **(Jpn)**

[Effects of oral administration of kallidinogenase (onokrein . P) on the oscillatory potential in the scotopic ERG in diabetic retinopathy (author's transl)] Tamai A, et al. **Nippon Ganka Gakkai Zasshi** 1981 Oct 10;85(10):1814–20 **(Jpn)**

[Luminance-duration relationship in the electroretinogram (author's transl)] Watanabe I, et al. **Nippon Ganka Gakkai Zasshi** 1981 Sep 10;85(9):1449–55 (Eng. Abstr.) **(Jpn)**

[A property of the photopic monochromatic ERG in congenital color blindness (author's transl)] Yoshida T, et al. **Nippon Ganka Gakkai Zasshi** 1981 Sep 10;85(9):1456–62 (Eng. Abstr.) **(Jpn)**

INSTRUMENTATION

Abnormal spectral sensitivity of the electroretinographic off-response in protanopia and protanomalia. Kawasaki K, et al. **Doc Ophthalmol** 1982 May 14;53(1):51–60

Report of the committee on instrumentation and procedures in visual electrophysiology at the request of the Concilium Ophthalmologicum Universale. Van Der Tweel LH, et al. **Doc Ophthalmol** 1981 Nov;51(4):383–95

A microcomputer-based averager. van Marle GW, et al. **Ophthalmic Res** 1982 Jan–Feb;14(1):22–8

A portable ERG system with an automatic driven LED Ganzfeld stimulation contact lens. Kooijman AC, et al. **Ophthalmologica** 1981;182(4):224–8

METHODS

Oscillatory potential and nyctometry in insulin-dependent diabetics. Frost-Larsen K, et al. **Acta Ophthalmol (Copenh)** 1980 Dec;58(6):879–88

Non corneal closed eye electroretinography in healthy persons and in patients with neuronal ceroid lipofuscinosis (Stengel-Batten-Spielmeyer-Vogt disease). Ganes T, et al. **Acta Ophthalmol (Copenh)** 1981 Aug;59(4):595–602

The value of the oscillatory potential in selecting juvenile diabetics at risk of developing proliferative retinopathy. Simonsen SE. **Acta Ophthalmol (Copenh)** 1980 Dec; 58(6):865–78

Further studies of the chemical sensitivity of the oscillatory potentials of the electroretinogram (ERG). III. Some omega amino acids and ethanol. Wachtmeister L. **Acta Ophthalmol (Copenh)** 1981 Aug;59(4):609–19

The C-wave of the rabbit electroretinogram during dark-adaptation and the steady-state. Wu L, et al. **Acta Ophthalmol (Copenh)** 1981 Aug;59(4):603–8

The amplitude of the c wave in the human ERG as a function of the luminous energy of the stimulus. Röver J, et al. **Albrecht Von Graefes Arch Klin Exp Ophthalmol** 1981; 217(4):299–307

Loss in pattern-elicited electroretinograms in optic nerve dysfunction. May JG, et al. **Am J Ophthalmol** 1982 Apr; 93(4):418–22

ERG off-effects produced by short duration stimuli. Walters JW, et al. **Am J Optom Physiol Opt** 1981 Oct;58(10):792–6

Clinical and experimental evidence that the pattern electroretinogram (PERG) is generated in more proximal retinal layers than the focal electroretinogram (FERG). Arden GB, et al. **Ann NY Acad Sci** 1982;388:580–607

Simultaneous pattern-reversal electroretinograms and visual evoked potentials in diseases of the macula and optic nerve. Sherman J. **Ann NY Acad Sci** 1982;388:214–26

Falsely extinguished bright-flash electroretinogram. Its association with dense vitreous hemorrhage. Abrams GW, et al. **Arch Ophthalmol** 1982 Sep;100(9):1427–9

Electroretinography and retinitis pigmentosa. No discrimination between genetic subtypes. Rothberg DS, et al. **Arch Ophthalmol** 1982 Sep;100(9):1422–6

Electroretinography and nystagmus: subtraction of eye movement artefact. Coupland SG, et al. **Can J Ophthalmol** 1981 Oct;16(4):192–4

Abnormal pattern electroretinograms with macular cherry-red spots: evidence for selective ganglion cell damage. Kirkham TH, et al. **Curr Eye Res** 1981;1(6):367–72

Retinitis pigmentosa and allied diseases: applications of electroretinographic testing. Berson EL. **Int Ophthalmol**

1981 Aug;4(1-2):7-22 (54 ref.)
The ERG in response to alternating gratings in patients with diseases of the peripheral visual pathway. Fiorentini A, et al. **Invest Ophthalmol Vis Sci** 1981 Sep;21(3):490-3
Effects of apomorphine on the rabbit electroretinogram. Jagadeesh JM, et al. **Invest Ophthalmol Vis Sci** 1981 Oct; 21(4):620-4
Advantages of a cross-correlation technique for ERG measurement in children. Fricker SJ, et al. **J Pediatr Ophthalmol Strabismus** 1982 Jul-Aug;19(4):26-32
Quantitative evaluation of the electroretinogram. van Lith G. **Ophthalmologica** 1981;182(4):218-23
Nonrecordable electroretinogram in vitreous hemorrhage. Mandelbaum S, et al. **Ophthalmology (Rochester)** 1982 Jan; 89(1):73-5
Fractional recording and component analysis of primate LERG: separation of photoreceptor and other retinal potentials. Valeton JM, et al. **Vision Res** 1982;22(3):381-91
[A new method of evaluating the human electroretinogram] Svěrák J, et al. **Cesk Oftalmol** 1982 Mar;38(2):65-71 (Eng. Abstr.) **(Cze)**
[Ocular foreign bodies and dynamic electroretinography] Peyresblanques J. **Bull Soc Ophtalmol Fr** 1982 Feb; 82(2):227-9 **(Fre)**
[Fluorescein- and indocyanine green angiography, fluorescence electroretinography] **Buch Augenarzt** 1981; (86):1-49 **(Ger)**

VETERINARY

Effect of reversible upper respiratory bypass on the electroretinogram in sheep. Ohale LO, et al. **Am J Vet Res** 1982 Apr;43(4):633-8
A standardized procedure for electroretinographic examination of rhesus monkeys (Macaca mulatta). Buist DP, et al. **Lab Anim Sci** 1982 Feb;32(1):91-3
Effect of ammeline on the chick electroretinogram. Ookawa T, et al. **Nippon Juigaku Zasshi** 1981 Aug;43(4):501-7

ELECTROSHOCK

Cytophotometric and morphometric studies of postnatal rat hippocampal neurons and perineuronal gliocytes after electroconvulsive shock. Pevzner L. **Acta Histochem (Jena)** 1981;69(2):302-6
Pseudoconditioning as a control procedure for aversive learning: effect of the number and density of footshocks on pseudoconditioned responses in a shuttle-box. Vendite DA, et al. **Acta Physiol Lat Am** 1979;29(2-3):151-5
Effect of tones, footshocks, shuttle avoidance, and electroconvulsive shock on met-encephalin immunoreactivity of rat brain. Carrasco MA, et al. **Behav Neural Biol** 1982 Jan;34(1):1-4
Effect of electroconvulsive shock on beta-endorphin immunoreactivity of rat brain, pituitary gland, and plasma. Dias RD, et al. **Behav Neural Biol** 1981 Jun;32(2):265-8
Selective sensitization induced by lithium malaise and footshock in rats. Miller V, et al. **Behav Neural Biol** 1981 Jan;31(1):42-55
Unilateral Versus bilateral electroconvulsive shock in albino rats: comparison of behavioral symptomatology and neocortical reactivity changes. Myslobodsky MS, et al. **Biol Psychiatry** 1982 Mar;17(3):363-80
The effect of task difficulty and threat of aversive electric shock upon tonic physiological changes. Svebak S. **Biol Psychol** 1982 Feb-Mar;14(1-2):113-28
Antagonism of experimentally induced tonic seizures following a lesion in the midbrain tegmentum. Browning RA, et al. **Epilepsia** 1981 Oct;22(5):595-601
Effect of midbrain and pontine tegmental lesions on the maximal electroshock seizure pattern in rats. Browning RA, et al. **Epilepsia** 1981 Oct;22(5):583-94
The effect of some anti-epilepsy drugs on enhancement of the monoamine-mediated behavioural responses following the administration of electroconvulsive shocks to rats. Bhavsar VH, et al. **Eur J Pharmacol** 1981 Sep 11; 74(2-3):243-7
Repeated electroconvulsive shock attenuates clonidine-induced hypoactivity in rodents. Heal DJ, et al. **Eur J Pharmacol** 1981 Nov 5;75(4):231-7
Enhancement of responsiveness of the central serotonergic system and serotonin-2 receptor density in rat frontal cortex by electroconvulsive treatment. Vetulani J, et al. **Eur J Pharmacol** 1981 Nov 19;76(1):81-5
Labeling of rabbit cerebral cortex poly(A) RNA 24 hours after a single electroconvulsive shock. Cupello A, et al. **Exp Neurol** 1982 Jun;76(3):670-4
Alterations of amygdaloid kindling phenomenon following repeated electroconvulsive shocks in rats. Tsuru N, et al. **Folia Psychiatr Neurol Jpn** 1981;35(2):167-74
Transferability of electro-convulsive shock induced short term memory impairment by brain homogenates in rats. Ullal GR, et al. **Indian J Physiol Pharmacol** 1981 Apr-Jun; 25(2):105-10
Cerebral [K+]e increase as an index of the differential susceptibility of brain structures to terminal anoxia and electroconvulsive shock. Bureš J, et al. **J Neurobiol** 1981 May;12(3):211-20
Electroconvulsive shock and reserpine: effects on beta-adrenergic receptors in rat brain. Kellar KJ, et al. **J Neurochem** 1981 Oct;37(4):830-6
Effect of single and repeated convulsions on glutamate decarboxylase (GAD) activity and [3H]muscimol binding in the rat brain. Atterwill CK, et al. **J Pharm Pharmacol** 1981 May;33(5):329-31
The effect of electroconvulsive shock at a clinically equivalent schedule on rat cortical beta-adrenoceptors. Belmaker RH, et al. **J Pharm Pharmacol** 1982 Apr;34(4):275
Effects of phenobarbital on plasma concentration of phenytoin and mortality of mice treated with phenytoin after electroshock. Kanematsu M, et al. **J Pharmacobiodyn** 1981 Aug;4(8):639-42
Repeated electroconvulsive shock (ECS) and morphine tolerance: demonstration of cross-sensitivity in the rat. Belenky GL, et al. **Life Sci** 1981 Aug 10;29(6):553-63
Home remedies revisited [letter] Berke JH. **N Engl J Med** 1982 Jan 21;306(3):180
Chronic electroconvulsive shock and chronic haloperidol administration are not additive in effects on dopamine receptors. Globus M, et al. **Neuropharmacology** 1981 Nov; 20(11):1125-8
Increased sensitivity to dopaminergic agonists after repeated electroconvulsive shock (ECS) in rats. Wielosz M. **Neuropharmacology** 1981 Oct;20(10):941-5
Clozapine effects on responding maintained under shock presentation and shock termination schedules. Bacotti AV. **Pharmacol Biochem Behav** 1981 Sep;15(3):415-8
Dietary tryptophan reversal of septal lesion and 5,7-DHT lesion elicited shock-induced fighting. Kantak KM, et al. **Pharmacol Biochem Behav** 1981 Sep;15(3):343-50
Effect of minor tranquilizers, tryptamine antagonists and amphetamine on behavior punished by brain stimulation. Morato de Carvalho S, et al. **Pharmacol Biochem Behav** 1981 Sep;15(3):351-6
Naloxone potentiates shock-induced aggressive behavior in mice. Puglisi-Allegra S, et al. **Pharmacol Biochem Behav** 1981 Sep;15(3):513-4
Weight gain in young Mongolian gerbils (Meriones unguiculatus) of mothers treated with neurotropic substances, hypoxia or electroconvulsive shock. Blösch M. **Physiol Behav** 1981 Sep;27(3):425-9
Electroconvulsive shock and water deprivation: effects on drinking behavior and locomotor activity in rats. Dokla CP, et al. **Physiol Behav** 1981 Aug;27(2):231-6
Interaction of developmental and environmental variables on shock-induced jumping behavior in rats. Nishikawa T, et al. **Physiol Behav** 1981 Sep;27(3):539-41
Inescapable shock alters mescaline's disruption of active avoidance acquisition. Gibbons JL, et al. **Psychopharmacology (Berlin)** 1981;74(4):336-8
The effect of repeated electroconvulsive shocks on growth hormone secretion and growth hormone responses to clonidine in the intact rat. Steiner JA, et al. **Psychopharmacology (Berlin)** 1982;76(1):98-100
Electroconvulsive shock increases tyrosine hydroxylase activity in the brain and adrenal gland of the rat. Masserano JM, et al. **Science** 1981 Nov 6;214(4521):662-5
[Synthesis of serotonin at the spinal level in the rat: modifications induced by nociceptive somatic stimulation associated or not with administration of morphine] Weil-Fugazza J, et al. **C R Seances Acad Sci [III]** 1981 Jul 6;293(1):89-91 (Eng. Abstr.) **(Fre)**
[The method of electric stimulation as a psychotherapeutic means (author's transl)] Molčan J, et al. **Bratisl Lek Listy** 1982 Apr;77(4):468-70 (Eng. Abstr.) **(Slo)**
[The effect of electroconvulsive shock on protein synthesis in Japanese quail] Lamošová D. **Vet Med (Praha)** 1981 Sep; 26(9):567-72 (Eng. Abstr.) **(Slo)**

ELECTROSHOCK THERAPY see **ELECTROCONVULSIVE THERAPY**

ELECTROSLEEP see **ELECTRONARCOSIS**

ELECTROSURGERY

Endoscopic applications of electrosurgery: a review of basic principles. Barlow DE. **Gastrointest Endosc** 1982 May; 28(2):73-6
A comparative study of scalpel and electrosurgical incision on subsequent wound healing. Allan SN, et al. **J Pediatr Surg** 1982 Feb;17(1):52-4
The type of current frequency used in transurethral resection of prostate (TURP) affects the androgen receptor. Albert J, et al. **Prostate** 1982;3(3):221-4
[Transurethral resection in the treatment of benign prostatic hypertrophy (author's transl)] Lindenberg K. **Ther Umsch** 1982 Apr;39(4):272-6 (Eng. Abstr.) **(Ger)**
[Advances in transurethral resection of bladder carcinoma (author's transl)] Bichler KH, et al. **Urologe [Ausg A]** 1982 Jan;21(1):3-8 (Eng. Abstr.) **(Ger)**
[Emergency adenomectomy and transurethral electroresection of prostatic adenoma] Lopatkin NA, et al. **Urol Nefrol (Mosk)** 1982 Mar-Apr;(2):3-7 (Eng. Abstr.) **(Rus)**

ADVERSE EFFECTS

Intraoperative explosion: methane gas and diet. Freund PR, et al. **Anesthesiology** 1981 Dec;55(6):700-1

INSTRUMENTATION

Distributed equivalent-circuit models for circular dispersive electrodes. Wiley JD, et al. **IEEE Trans Biomed Eng** 1982 May;29(5):385-9
Analysis and control of the current distribution under circular dispersive electrodes. Wiley JD, et al. **IEEE Trans Biomed Eng** 1982 May;29(5):381-5

METHODS

Resection of obstructive bronchial fibrolipoma through the flexible fiberoptic bronchoscope. Spinelli P, et al. **Endoscopy** 1982 Mar;14(2):61-3
Endoscopic polypectomy for the removal of polyps of the small intestine. Tada M, et al. **Gastroenterol Jpn** 1982 Apr; 17(2):177-81
Healing of electrosurgical incisions in gingiva: early histologic observations in adult men. Kalkwarf KL, et al. **J Prosthet Dent** 1981 Dec;46(6):662-72
Electrohydraulic lithotripsy with aspiration of the fragments under vision--304 consecutive cases. Bülow H, et al. **J Urol** 1981 Oct;126(4):454-6
Catheter-induced ablation of the atrioventricular junction to control refractory supraventricular arrhythmias. Scheinman MM, et al. **JAMA** 1982 Aug 20;248(7):851-5
A clinical evaluation of arthroscopic synovectomy of the knee joint with the electric resectoscope. Aritomi H, et al. **Ryumachi** 1981;21 Suppl:11-20
Transcutaneous ileopyelostomy fiberoptic fulguration (TIFF). New treatment of renal pelvic tumors in solitary kidney. Rogers B, et al. **Urology** 1982 Aug;20(2):162-5

VETERINARY

Electrosurgical excision of a mass in the cloacal region of a male Galapagos tortoise. Ensley PK, et al. **J Am Vet Med Assoc** 1981 Dec 1;179(11):1289-91

ELECTROTHERAPY

see related
ELECTRONARCOSIS
Transcutaneous electrical nerve stimulation for relief of pain. van Doorn JN, et al. **Acta Anaesthesiol Belg** 1981; 32(1):21-31
Experimental and clinical pruritus. Studies on some putative peripheral mediators. The influence of ultraviolet light and transcutaneous nerve stimulation. Fjellner B. **Acta Derm Venereol [Suppl] (Stockh)** 1981;97:1-34
Pain relief in labor by transcutaneous electrical nerve stimulation. A prospective matched study. Bundsen P, et al. **Acta Obstet Gynecol Scand** 1981;60(5):459-68
The influence of electrostimulation on hexobarbital induced loss of righting reflex in rats. Capel ID, et al. **Acupunct Electrother Res** 1982;7(1):17-26
Transcutaneous electrical stimulation in low back pain: a critical evaluation. Procacci P, et al. **Acupunct Electrother Res** 1982;7(1):1-6
Electrical stimulation for scoliosis. Friedman HG, et al. **Am Fam Physician** 1982 Apr;25(4):155-60
Ineffective transcutaneous nerve stimulation following epidural anaesthesia. Davies JR. **Anaesthesia** 1982 Apr; 37(4):453-4
Proceedings of the Third International Meeting on Spinal Cord Stimulation. Houston, Tex, May, 1980. **Appl Neurophysiol** 1981;44(1-3):1-176
Neural prosthesis and neurostimulation. Part I of the proceedings of the 8th meeting of the World Society and the 5th meeting of the European Society for Stereotactic and Functional Neurosurgery. Zurich, July 9-11, 1981. **Appl Neurophysiol** 1982;45(1-2):1-208
Seminar on spinal cord stimulation for the control of pain and other neurological disorders. New York, April 1980. **Appl Neurophysiol** 1981;44(4):181-257
Parafascicular-center median nuclei stimulation for intractable pain and dyskinesia (painful-dyskinesia). Andy OJ. **Appl Neurophysiol** 1980;43(3-5):133-44
Autonomic effects of electrostimulation. Augustinsson LE, et al. **Appl Neurophysiol** 1982;45(1-2):185-9
Epidural nerve stimulation of the lower spinal cord and cauda equina for the relief of intractable pain in failed low back surgery. Blume H, et al. **Appl Neurophysiol** 1982; 45(4-5):456-60
Examination of possible mechanisms by which stimulation of the spinal cord in man relieves pain. Campbell JN. **Appl Neurophysiol** 1981;44(4):181-6
Clinical evaluation of the effect of spinal cord stimulation on motor performance in patients with upper motor neuron lesions. Campos RJ, et al. **Appl Neurophysiol** 1981; 44(1-3):141-51
Reversibility of chronic neurologic deficits. Some effects of electrical stimulation of the thalamus and internal capsule in man. Cooper IS, et al. **Appl Neurophysiol** 1980; 43(3-5):244-58
Chronic cerebellar stimulation (CCS) and deep brain stimulation (DBS) in involuntary movement disorders. Cooper IS, et al. **Appl Neurophysiol** 1982;45(3):209-17
Underlying mechanisms of the effects of spinal cord stimulation in motor disorders. A review of the discussion. Dimitrijevic MR, et al. **Appl Neurophysiol** 1981; 44(1-3):133-40
A system for epidural spinal cord stimulation. Dimitrijevic MR, et al. **Appl Neurophysiol** 1982;45(4-5):465-7
Treatment of patients with degenerative diseases of the central nervous system by electrical stimulation of the spinal cord. Dooley DM, et al. **Appl Neurophysiol** 1981;

44(1-3):71-6
Electrical stimulation of the spinal cord in patients with demyelinating and degenerative diseases of the central nervous system. Dooley DM, et al. **Appl Neurophysiol** 1981; 44(4):218-24
Long-term results of cerebellar chronic electrostimulation in involuntary movement disorders. Fasano VA, et al. **Appl Neurophysiol** 1982;45(3):218-20
Dorsal column stimulation in multiple sclerosis: effects on bladder, leg blood flow and peptides. Hawkes CH, et al. **Appl Neurophysiol** 1981;44(1-3):62-70
Quantification of the effect of epidural spinal electrostimulation (ESES) in central motor disorders. Klingler D, et al. **Appl Neurophysiol** 1982;45(3):221-4
Assessment of functional effect of epidural electrostimulation and selective posterior rhizotomy in spasticity. Laitinen LV, et al. **Appl Neurophysiol** 1982;45(3):331-4
Importance and documentation of an epidural stimulating position. Law JD, et al. **Appl Neurophysiol** 1982; 45(4-5):461-4
Stimulation of the spinal neuraxis by biocompatible electrical current in the human. LeRoy PL. **Appl Neurophysiol** 1981; 44(4):187-93
Electrical stimulation of the spinal cord and peripheral nerves for pain control. A 10-year experience. Long DM, et al. **Appl Neurophysiol** 1981;44(4):207-17
An electrode for prolonged stimulation of the brain. Miles J, et al. **Appl Neurophysiol** 1982;45(4-5):449-55
Electrical stimulation of the conus medullaris to control the bladder in the paraplegic patient. A 10-year review. Nashold BS Jr, et al. **Appl Neurophysiol** 1981;44(4):225-32
Spinal epidural electrical stimulation for pain control. Practical details and results. Ray CD. **Appl Neurophysiol** 1981;44(4):194-206
Cerebellar stimulation in four patients with cerebral palsy. Reynolds AF, et al. **Appl Neurophysiol** 1980;43(3-5):114-7
Remarks on spinal cord stimulation and the placebo effect. Sharkey PC, et al. **Appl Neurophysiol** 1981;44(1-3):119-25
Electrical spinal cord stimulation for spastic movement disorders. Siegfried J, et al. **Appl Neurophysiol** 1981; 44(1-3):77-92
Quantification and documentation of changes produced by spinal cord stimulation. Struppler A, et al. **Appl Neurophysiol** 1981;44(1-3):114-8
Electroacupuncture in the treatment of post-traumatic sympathetic dystrophy (Sudeck's atrophy). Chan CS, et al. **Br J Anaesth** 1981 Aug;53(8):899-902
Retrograde electrical pacing of the small intestine--a new treatment for the short bowel syndrome? Layzell T, et al. **Br J Surg** 1981 Oct;68(10):711-3
Electrically induced short-lasting tetanus of the calf muscles for prevention of deep vein thrombosis. Lindström B, et al. **Br J Surg** 1982 Apr;69(4):203-6
Chronic cerebellar stimulation in cerebral palsy. Ivan LP, et al. **Childs Brain** 1982;9(2):121-5
Electrical suppression of tinnitus. Aran JM, et al. **Ciba Found Symp** 1981;85:217-31
The orthopaedic-industrial complex, the clinical applications of bioelectrical effects and a reminder from Ben Franklin [editorial] Connolly JF. **Clin Orthop** 1981 Nov-Dec; (161):2-3
Detection of synovial pseudarthrosis by 99mTc scintigraphy: application to treatment of traumatic nonunion with constant direct current. Esterhai JL Jr, et al. **Clin Orthop** 1981 Nov-Dec;(161):15-23
Electrical stimulation of experimental nonunions. Jacobs RR, et al. **Clin Orthop** 1981 Nov-Dec;(161):146-53
The effects of varying current levels of electrical stimulation. Paterson DC, et al. **Clin Orthop** 1982 Sep;(169):303-12
The treatment of nonunions without electrical stimulation. Weber BG, et al. **Clin Orthop** 1981 Nov-Dec;(161):24-32
Power and non-significant research results [letter] Ottenbacher K. **Dev Med Child Neurol** 1981 Oct; 23(5):663-6
The treatment of fibrous non-union of fractures by pulsing electromagnetic stimulation. Sharrard WJ, et al. **J Bone Joint Surg [Br]** 1982;64(2):189-93
Electrical stimulation of the auditory system and tinnitus control. Aran JM. **J Laryngol Otol [Suppl]** 1981;(4):153-61
Reduction of tinnitus in cochlear-implant patients. Brackmann DE. **J Laryngol Otol [Suppl]** 1981;(4):163-5
Electrical phenomena associated with bones and fractures and the therapeutic use of electricity in fracture healing. Dealler SF. **J Med Eng Technol** 1981 Mar;5(2):73-9
Changes of cutaneous sensory thresholds induced by non-painful transcutaneous electrical nerve stimulation in normal subjects and in subjects with chronic pain. Zoppi M, et al. **J Neurol Neurosurg Psychiatry** 1981 Aug; 44(8):708-17
Epidural stimulation for vascular disease of extremities [letter] Cook AW. **J Neurosurg** 1981 Oct;55(4):664
Combined epidural and peripheral nerve stimulation for relief of pain. Description of technique and preliminary results. Urban BJ, et al. **J Neurosurg** 1982 Sep;57(3):365-9
Cerebellar stimulation for cerebral palsy-placebo [letter] Whittaker CK. **J Neurosurg** 1982 May;56(5):739
Scope of a technique for electrical stimulation of human brain, spinal cord, and muscle. Merton PA, et al. **Lancet** 1982 Sep 11;2(8298):597-600
Therapeutic effects of functional electrical stimulation of extremities. Vodovnik L. **Med Biol Eng Comput** 1981 Jul; 19(4):470-8
The treatment of bladder calculi by the electrolithotrite (Urat-1). van Helsdingen PJ. **Neth J Surg** 1982 May; 34(2):86-9
Chronic cerebellar stimulation for cerebral palsy: a review. Penn RD. **Neurosurgery** 1982 Jan;10(1):116-21
Diaphragm pacing in spinal muscular atrophy: case report. Richardson RR, et al. **Neurosurgery** 1981 Sep;9(3):317-9
The effects of non-painful transcutaneous electrical nerve stimulation on cutaneous pain threshold and muscular reflexes in normal men and in subjects with chronic pain. Francini F, et al. **Pain** 1981 Aug;11(1):49-63
Peripheral nerve stimulation in the management of dysmenorrhea. Walker JB, et al. **Pain** 1981 Dec; 11(3):355-61
Diaphragmatic pacing. A new procedure for high spinal cord lesions. Collier PS, et al. **Physiotherapy** 1982 Feb;68(2):47
Pain control with the aid of transcutaneous nerve stimulation. Frampton VM. **Physiotherapy** 1982 Mar;68(3):77-81
Control of head pain in migraine using transcutaneous electrical nerve stimulation. Hay KM. **Practitioner** 1982 Apr;226(1366):771, 773-5
Transcutaneous nerve stimulation in rheumatoid neuropathy [letter] Duncan ME. **Rheumatol Rehabil** 1982 Aug; 21(3):187-8
Electrical pacing for short bowel syndrome. Gladen HE, et al. **Surg Gynecol Obstet** 1981 Nov;153(5):697-700
[Augmentation of bone repair by electrical stimulation: experiment and clinical observation (author's transl)] Ni RX. **Chung Hua Wai Ko Tsa Chih** 1982 Feb;20(2):103-5 (Eng. Abstr.) (Chi)
[Denervation and re-innervation processes, electrological diagnosis and therapy] Dumoulin J, et al. **Electrodiagn Ther** 1981;18(3):95-110 (Fre)
[Transformation of body scheme caused by thalamic stimulation. Thalamic stimulation for painful phantom limb (author's transl)] Merienne L, et al. **Neurochirurgie** 1981; 27(2):121-3 (Eng. Abstr.) (Fre)
[Postoperative loco-regional analgesic treatment using transcutaneous electric neurostimulation in orthopedic surgery (letter)] de la Caffinière JY, et al. **Nouv Presse Med** 1981 Sep 26;10(34):2827 (Fre)
[Treatment of tabetic pain by neurostimulation of the posterior funiculus of the spinal cord (letter)] Laporte A, et al. **Nouv Presse Med** 1981 Sept 12;10(32):2665-6 (Fre)
[Original clinical case. Therapeutic achievement] Arlaud R, et al. **Phlebologie** 1981 Apr-Jun;34(2):305-6 (Fre)
[Physiological basis for acupuncture, electro-acupuncture and transcutaneous electrostimulation] Franchimont P, et al. **Rev Med Liege** 1982 May 1;37(9):382-8 (Fre)
[Bone healing and dynamic interferential current (DIC) (author's transl)] Laabs WA, et al. **Langenbecks Arch Chir** 1982;356(3):219-29 (Eng. Abstr.) (Ger)
[Transcutaneous electrical nerve stimulation (TNS) in the treatment of chronic neurological pain (author's transl)] Klingler D, et al. **Nervenarzt** 1981 Aug;52(8):477-80 (Ger)
[Diagnosis electrostimulation for determining indications in electrotherapy of the heart] Lüderitz B. **Verh Dtsch Ges Inn Med** 1981;87:1380-7 (Ger)
[Therapeutic electrostimulation] Stauch M. **Verh Dtsch Ges Inn Med** 1981;87:1387-93 (Ger)
[The use of diadynamic currents in minor sports injuries] Tonazzi A, et al. **Arch Putti Chir Organi Mov** 1981; 31:195-205 (Eng. Abstr.) (Ita)
[Use of trans-cutaneous electro-analgesia for symptomatic treatment of somc pain syndrome] Bellucci G, et al. **Chir Organi Mov** 1979 Nov-Dec;65(6):717-28 (29 ref.) (Ita)
[Therapy of pain with transcutaneous electrostimulation in the postoperative period in vertebro-medullary surgery] Nori R, et al. **Minerva Anestesiol** 1981 Aug;47(8):561-3 (Ita)
[Electric stimulation of bone regeneration in the treatment of ununited fractures and pseudarthroses] Tkachenko SS, et al. **Ortop Travmatol Protez** 1982 Jan;(1):4-8 (Eng. Abstr.) (Pol)
[Treatment of neonatal hypoxia by electroanalgesia] Tiurina VP, et al. **Akush Ginekol (Mosk)** 1981 Aug;(8):43-5 (Eng. Abstr.) (Rus)
[Electron microscopic study of reparative osteogenesis following electric stimulation of bony tissue regeneration] Mikhallova LN, et al. **Biull Eksp Biol Med** 1981 Jun; 91(6):719-22 (Eng. Abstr.) (Rus)
[Effect of motropin and naloxone on electroacupuncture analgesia] Zakusov VV, et al. **Biull Eksp Biol Med** 1981 Oct;91(10):440-2 (Eng. Abstr.) (Rus)
[Neuropharmacological analysis of electroacupuncture analgesia] Iasnetsov VV. **Farmakol Toksikol** 1982 Mar-Apr;45(2):44-8 (Eng. Abstr.) (Rus)
[Results of electrostimulation of bone regeneration during the surgical treatment of tibial fractures] Tkachenko SS, et al. **Ortop Travmatol Protez** 1982 Mar;(3):4-9 (Rus)
[Role of the dorsomedial hypothalamus in mechanisms of stimulation and electroacupuncture analgesia] Golanov EV. **Vestn Akad Med Nauk SSSR** 1981;(5):64-8 (Eng. Abstr.) (Rus)
[Efficacy of electroacupuncture in the treatment of hypertension] Boiko EV, et al. **Vopr Kurortol Fizioter Lech Fiz Kult** 1982 Jan-Feb; (1):59-60 (Rus)
[Treatment of paroxysmal ventricular tachycardia with paired electric cardiac stimulation] Briskin VR, et al. **Vrach Delo** 1981 Mar;(3):95-6 (Rus)
[Bioelectrical stimulation in the rehabilitative treatment of poststroke patients] Kurako IuL, et al. **Vrach Delo** 1982 Apr;(4):66-70 (Eng. Abstr.) (Rus)

ADVERSE EFFECTS

Electrochemical skin burn after transcutaneous electronerve analgesia [letter] Etchin A, et al. **Anesth Analg (Cleve)** 1982 Sep;61(9):801-2
Dermatitis from transcutaneous electric nerve stimulation. Zugerman C. **J Am Acad Dermatol** 1982 May;6(5):936-9
Management of infected cerebellar stimulation systems. Davis R, et al. **Neurosurgery** 1982 Mar;10(3):340-3
[Sudden death after 'home electrotherapy'] Kósa F, et al. **Arch Kriminol** 1981 Jan-Feb;167(1-2):43-51 (Eng. Abstr.) (Ger)

HISTORY

A brief historical note on the use of electricity in the treatment of fractures. Peltier LF. **Clin Orthop** 1981 Nov-Dec;(161):4-7
Electric Medicine and Mesmerism. Sutton G. **Isis** 1981 Sep; 72(263):375-92
[Electro-osteo stimulation, Part 1. Historical development and stimulation hypotheses (author's transl)] Ungethüm M, et al. **Biomed Tech (Berlin)** 1982 Jun;27(6):130-5 (Eng. Abstr.) (Ger)
[Electrotherapy in the 18th century. Electrophysiology and electrotherapy research by Piedmont scholars] Cremona GF. **Ann Osp Maria Vittoria Torino** 1981 Jan-Jun; 24(1-6):167-77 (Ita)

INSTRUMENTATION

Simple custom-made disposable surface electrode system for non-invasive 'electro-acupuncture' or TNS and its clinical applications including treatment of cephalic hypertension and hypotension syndromes as well as temporo-mandibular joint problems, tinnitus, shoulder and lower back pain, etc. Omura Y. **Acupunct Electrother Res** 1981;6(2-3):109-34
Technical problems and advances in the cerebellar-stimulating systems used for reduction of spasticity and seizures. Davis R, et al. **Appl Neurophysiol** 1980;43(3-5):230-43
Technical factors important to dorsal column stimulation. Davis R, et al. **Appl Neurophysiol** 1981;44(1-3):160-70
Biomedical engineering aspects of spinal cord stimulation. Sherwood AM. **Appl Neurophysiol** 1981;44(1-3):126-32
An implantable muscle stimulation unit. Stöhr H, et al. **Int J Artif Organs** 1982 May;5(3):215-6
A practical system for clinical radiofrequency hyperthermia. Brezovich IA, et al. **Int J Radiat Oncol Biol Phys** 1981 Mar;7(3):423-30
Transcutaneous nerve stimulation: its significance and applications in podiatry. Grosack MA, et al. **J Foot Surg** 1981 Fall;20(3):127-35
Electronic bladder stimulation in the management of children with myelomeningocele. Wheatley JK, et al. **J Urol** 1982 Feb;127(2):283-5
Electrical stimulation of muscles replaces braces for scoliosis [news] Macek C. **JAMA** 1982 Feb 26;247(8):1097-8
Electric stimulation for the control of micturition. Rajaratnam MR. **NZ Med J** 1982 Jun 9;95(709):390-1
[Low frequency electro-stimulation and ultrasonic therapy (author's transl)] Bernau A, et al. **Z Orthop** 1981 Feb; 119(1):126-37 (Eng. Abstr.) (Ger)
[Transcutaneous electrostimulation in the treatment of benign somatic chronic pain: evaluation of a new stimulator] Bianchi GP, et al. **Chir Ital** 1981 Apr;33(2):620-5 (Eng. Abstr.) (Ita)
[Use of vaginal electrostimulation in urinary incontinence] Fischer W, et al. **Akush Ginekol (Mosk)** 1981 Dec;(12):32-3 (Rus)
[GE-5-03 apparatus for galvanization of the oral cavity] Kolobov VA. **Med Tekh** 1982 May-Jun;(3):55-6 (Rus)

METHODS

Chronic cerebellar stimulation in the modulation of behavior. Correa AJ, et al. **Acta Neurol Latinoam** 1980;26(3):143-53
Obstructive apnea and paradoxical rib cage movements induced by diaphragm pacing: a probable mechanism and suggestions for treatment [letter] Trenchard D, et al. **Am Rev Respir Dis** 1982 Jun;125(6):784-5
Varying electrical acupuncture stimulation intensity: effects on dental pain-evoked potentials. Schimek F, et al. **Anesth Analg (Cleve)** 1982 Jun;61(6):499-503
Transcutaneous electrical nerve stimulation: an alternative approach to the management of postoperative pain. Tyler E, et al. **Anesth Analg (Cleve)** 1982 May;61(5):449-56 (27 ref.)
Results of spinal cord stimulation in multiple sclerosis. Cook AW, et al. **Appl Neurophysiol** 1981;44(1-3):55-61
Beneficial augmentation following dorsal column stimulation in some neurological diseases. Davis R, et al. **Appl Neurophysiol** 1981;44(1-3):37-49
Experimental studies on therapeutic effect of electrical stimulation of the brain on muscular hypertonus. Fujita S. **Appl Neurophysiol** 1980;43(6):298-304
Neurostimulation as used in a large clinical practice. Ray

CD, et al. **Appl Neurophysiol** 1982;45(1-2):160-6
Technological problems of spinal cord stimulation systems: a clinical perspective. Sharkey PC. **Appl Neurophysiol** 1981; 44(1-3):50-4
Indirect spinal cord stimulation. Some engineering viewpoints. Vodovnik L. **Appl Neurophysiol** 1981; 44(1-3):97-113
Multiple-lead spinal cord stimulation: technique. Waltz JM, et al. **Appl Neurophysiol** 1981;44(1-3):30-6
Computerized percutaneous multi-level spinal cord stimulation in motor disorders. Waltz JM. **Appl Neurophysiol** 1982;45(1-2):73-92
Multi-lead spinal cord stimulation for control of motor disorders. Waltz JM, et al. **Appl Neurophysiol** 1981; 44(4):244-57
Electrical and chemical stimulation of the CNS by direct means for pain control: present and future. Ray CD. **Clin Neurosurg** 1981;28:564-88
The electrical treatment of scaphoid nonunion. Bora FW Jr, et al. **Clin Orthop** 1981 Nov-Dec;(161):33-8
Selection, evaluation and indications for electrical stimulation of ununited fractures. Connolly JF. **Clin Orthop** 1981 Nov-Dec;(161):39-53
Electrical stimulation in the treatment of ununited fractures. Day L. **Clin Orthop** 1981 Nov-Dec;(161):54-7
Transcutaneous muscle stimulation as a method to retard disuse atrophy. Gould N, et al. **Clin Orthop** 1982 Apr; (164):215-20
Nonunion treatment with pulsed electromagnetic fields. Heckman JD, et al. **Clin Orthop** 1981 Nov-Dec;(161):58-66
Asymmetrical slow-pulsating direct current. Jørgensen TE. **Clin Orthop** 1981 Nov-Dec;(161):67-70
Treatment of pseudarthroses with electrodynamic potentials of low frequency range. Lechner F, et al. **Clin Orthop** 1981 Nov-Dec;(161):71-81
Surgical and electrical methods in the treatment of congenital and posttraumatic pseudarthrosis of the tibia. von Satzger G, et al. **Clin Orthop** 1981 Nov-Dec;(161):82-104
Silver anode treatment of chronic osteomyelitis. Webster DA, et al. **Clin Orthop** 1981 Nov-Dec;(161):105-14
Repair of nonunions by electrically pulsed current stimulation. Zichner L. **Clin Orthop** 1981 Nov-Dec; (161):115-21
Functional electrical stimulation for control of locomotor systems. Vodovnik L, et al. **CRC Crit Rev Bioeng** 1981; 6(2):63-131 (231 ref.)
Rehabilitation of micturition in patients with incomplete spinal cord lesions by transurethral electrostimulation of the bladder. Madersbacher H, et al. **Eur Urol** 1982; 8(2):111-6
Boosting healing power in humans. Kent S. **Geriatrics** 1981 Oct;36(10):129-32
In acute cervical hyperextension- hyperflexion injuries. Richardson RR, et al. **IMJ** 1981 Apr;159(4):227-30
Long-term pain control by direct peripheral-nerve stimulation. Nashold BS Jr, et al. **J Bone Joint Surg [Am]** 1982 Jan;64-A(1):1-10
Partial matricectomy with electrodesiccation for permanent repair of ingrown nail borders. Kerman BL, et al. **J Foot Surg** 1982 Spring;21(1):54-6
Cerebellar stimulation and cerebral palsy [letter] Heimburger RF. **J Neurosurg** 1982 Sep;57(3):435-6
First clinical experience with extracorporeally induced destruction of kidney stones by shock waves. Chaussy C, et al. **J Urol** 1982 Mar;127(3):417-20
Examination of electrode placements and stimulating parameters in treating chronic pain with conventional transcutaneous electrical nerve stimulation (TENS). Rao VR, et al. **Pain** 1981 Aug;11(1):37-47
Non-opioid pathways suppress pain in humans. Walker JB, et al. **Pain** 1981 Dec;11(3):347-54
Treatment of phantom limb pain with TENS [letter] Winnem MF, et al. **Pain** 1982 Mar;12(3):299-300
Transcutaneous electrical nerve stimulation for nonunited fractures; a clinical report. Kahn J. **Phys Ther** 1982 Jun; 62(6):840-4
Maximal electrical stimulation for female urinary incontinence. Janez J, et al. **Prog Clin Biol Res** 1981; 78:369-72
Treatment of non-union of fractures by pulsing electro-magnetic fields. Hutchings J. **Radiography** 1982 Feb;48(566):25-32
Transcutaneous electrical neurostimulation in functional pain. Richardson RR, et al. **Spine** 1981 Mar-Apr;6(2):185-8
Correction of scoliosis by muscle stimulation: biomechanical analyses. Schultz A, et al. **Spine** 1981 Sep-Oct;6(5):468-76
[The use of electrical transcutaneous nerve stimulations in chronic pain. Method and preliminary results in 28 cases (author's transl)] Bergego C, et al. **Ann Med Interne (Paris)** 1981;132(6):377-80 (Eng. Abstr.) **(Fre)**
[Treatment of tinnitus by mean of electric transcutaneous stimulation (author's transl)] Chouard CH, et al. **Ann Otolaryngol Chir Cervicofac** 1982;99(1-2):1-6 (Eng. Abstr.) **(Fre)**
[Electrology in functional re-education] Wirotius JM, et al. **Electrodiagn Ther** 1981;18(2):79-89 **(Fre)**
[Epidural stimulation for pain control (author's transl)] Leclercq TA, et al. **Neurochirurgie** 1981;27(2):125-8 (Eng. Abstr.) **(Fre)**
[Prophylaxis of deep vein thrombosis using low frequency electrotherapy (author's transl)] Freund R, et al. **Dermatol Monatsschr** 1981 Jul;167(7):440-2 (Eng. Abstr.) **(Ger)**
[Our experiences with electrotherapy of nocturnal enuresis] Schwock G. **Padiatr Grenzgeb** 1981;20(3):199-201 (Eng. Abstr.) **(Ger)**
[Therapy of urine incontinence by electro-stimulation (author's transl)] Tischer W, et al. **Padiatr Padol** 1982; 17(1):73-85 (Eng. Abstr.) **(Ger)**
[The transesophageal approach to the heart in electrotherapy of trachycardiac arrhythmias. I. Transesophageal electrostimulation procedure] Volkmann H, et al. **Z Gesamte Inn Med** 1981 Dec 1;36(23):903-8 (Eng. Abstr.) **(Ger)**
[Pain-alleviating effects of the epidural stimulation--with percutaneous and implantable devices (PISCES) (author's transl)] Maruyama Y, et al. **Masui** 1982 Feb;31(2):122-8 (Eng. Abstr.) **(Jpn)**
[Transcutaneous electrical nerve stimulation for relieving pain-physiological significance of the 1/f frequency fluctuation (author's transl)] Takakura K. **No Shinkei Geka** 1982 Apr;10(4):349-57 **(Jpn)**
[Effect of continuous electric current on osteogenesis processes in rabbits] Deszczyńska H, et al. **Chir Narzadow Ruchu Ortop Pol** 1981;46(1):21-5 (Eng. Abstr.) **(Pol)**
[Electrotherapy of ectopic paroxysmal arrhythmia] Kutarski A, et al. **Kardiol Pol** 1981;24(8):579-86 (34 ref.) **(Pol)**
[Effect of cerebellar cortical electrostimulation on the frequency of epileptic seizures in severe forms of epilepsy] Bidziński J, et al. **Neurol Neurochir Pol** 1981 Sep-Dec; 15(5-6):605-9 (Eng. Abstr.) **(Pol)**
[Our experience in the treatment of paroxysmal tachycardia with high-frequency electrical stimulation] Kutarski A, et al. **Pol Tyg Lek** 1982 Mar 29;37(3):83-6 (Eng. Abstr.) **(Pol)**
[Methods and technics of electrostimulation] Sandu L. **Rev Chir [Chir]** 1980 Jul-Aug;29(4):315-20 (Eng. Abstr.) **(Rum)**
[Uterine contractile activity in biocontrolled electrostimulation of labor in premature rupture of fetal membranes] Anisimov Klu, et al. **Akush Ginekol (Mosk)** 1981 Nov;(11):43-5 (Eng. Abstr.) **(Rus)**
[Use of electrorelaxation of the uterus in the treatment of threatened abortion] Khasin AZ, et al. **Akush Ginekol (Mosk)** 1982 Jan;(1):30-2 (Eng. Abstr.) **(Rus)**
[Electropuncture treatment of juvenile hemorrhages] Kobozeva NV, et al. **Akush Ginekol (Mosk)** 1981 Dec; (12):28-30 (Eng. Abstr.) **(Rus)**
[Treatment of chronic salpingo-oophoritis with a fluctuating current] Strugatskii VM, et al. **Akush Ginekol (Mosk)** 1982 Apr;(4):38-41 (Eng. Abstr.) **(Rus)**
[Use of uterine electrostimulation for preventing complications in the afterbirth and early puerperal periods] Valiullina NZ. **Akush Ginekol (Mosk)** 1982 Mar;(3):51-2 **(Rus)**
[Electroregulation of hypothalamo-hypophyseal system functions in the combined therapy of chronic salpingo-oophoritis] Vdovin SV, et al. **Akush Ginekol (Mosk)** 1982 Apr;(4):24-6 (Eng. Abstr.) **(Rus)**
[Effect of electroacupuncture and electroacupuncture combined with narcotic analgesics on the summation-threshold index in freely moving rats] Barashkov GN, et al. **Anesteziol Reanimatol** 1982 May-Jun; (3):26-7 **(Rus)**
[Effectiveness of electroacupuncture in children with postoperative and post-traumatic pain syndrome] Mikhel'son VA, et al. **Anesteziol Reanimatol** 1981 Jul-Aug; (4):24-7 (Eng. Abstr.) **(Rus)**
[Comparative study of the therapeutic effect of multichannel programmed electrotherapy, sinusoidal modulated, diadynamic and galvanic currents] Semeniutin IP, et al. **Klin Khir** 1982 Feb;(2):10-2 (Eng. Abstr.) **(Rus)**
[Experimental basis for using a pulsed low-frequency electric current for the stimulation of reparative bony tissue regeneration] Landa VA. **Ortop Travmatol Protez** 1982 Feb;(2):52-7 (Eng. Abstr.) **(Rus)**
[Electrostimulation of reparative osteogenesis in osteoplasty of the mandible] Solov'ev MM, et al. **Stomatologiia (Mosk)** 1981;60(4):27-9 **(Rus)**
[Dynamics of the electrical activity of the brain in cerebral strokes as affected by muscle electrostimulation using sinusoidal modulated currents] Bagel' GE, et al. **Vopr Kurortol Fizioter Lech Fiz Kult** 1982 May-Jun; (3):37-40 (Eng. Abstr.) **(Rus)**
[Vacuum-d'arsonvalization in the treatment of parodontitis] Denisov LA, et al. **Vopr Kurortol Fizioter Lech Fiz Kult** 1982 Jan-Feb;(1):67 **(Rus)**
[Effect of static loads and sinusoidal modulated currents on the course of experimental arthritis of the knee joint] Derbish GV, et al. **Vopr Kurortol Fizioter Lech Fiz Kult** 1982 May-Jun; (3):55-6 **(Rus)**
[Bladder electrostimulation after radical operations for rectal cancer] Dorogova EV, et al. **Vopr Kurortol Fizioter Lech Fiz Kult** 1982 May-Jun; (3):43-6 (Eng. Abstr.) **(Rus)**
[Effect of sinusoidal modulated currents on systemic hemodynamic processes in hypertension] Komarova LA. **Vopr Kurortol Fizioter Lech Fiz Kult** 1981 Sep-Oct; (5):18-21 **(Rus)**
[Effect of decimeter waves on the cardiovascular system in exposure of the chest cavity area] Novikova NI, et al. **Vopr Kurortol Fizioter Lech Fiz Kult** 1981 Sep-Oct;(5):60-1 **(Rus)**
[Effect of decimeter waves on humoral immunity in gastric and duodenal peptic ulcer patients] Shubina AV, et al. **Vopr Kurortol Fizioter Lech Fiz Kult** 1981 Sep-Oct;(5):52-5 **(Rus)**
[Interference currents in the treatment of spinal degenerative diseases] Turzová E. **Vopr Kurortol Fizioter Lech Fiz Kult** 1982 May-Jun; (3):35-6 **(Rus)**
[Rehabilitative treatment of peptic ulcer patients after stomach surgery by including sinusoidal modulated currents and decimeter waves] Vygodner EB, et al. **Vopr Kurortol Fizioter Lech Fiz Kult** 1981 Sep-Oct;(5):41-5 (Eng. Abstr.) **(Rus)**
[Low frequency rhythmic electric stimulation of muscles distant from the bladder in the therapy of urinary bladder dysfunction of 'central' origin] Jušić A, et al. **Acta Med Iugosl** 1981;35(5):319-24 (Eng. Abstr.) **(Ser)**
[Treatment of ischemic disease of the lower extremities with diadynamic current] Hupka J, et al. **Fysiatr Reumatol Vestn** 1981 Dec;59(6):323-30 (Eng. Abstr.) **(Slo)**
[Treatment of postsympathectomy lumbar pain by subcutaneous electrical nerve stimulation] Cacciatore E, et al. **Angiologia** 1982 Jan-Feb;34(1):34-7 **(Spa)**

PSYCHOLOGY

Psychological effects of spinal cord stimulation: preliminary findings. Levita E, et al. **Appl Neurophysiol** 1981; 44(1-3):93-6

ELEDOISIN

ANALOGS & DERIVATIVES

Effects of a substance P-analogue on blood pressure and avoidance learning of rats with spontaneous hypertension. Hecht K, et al. **Acta Physiol Pharmacol Bulg** 1981;6(3):60-5

ELEMENTARY PARTICLES

Pions, protectors. Examples of a vigorous decade in radiotherapy. Kligerman MM. **Am J Clin Oncol** 1982 Apr; 5(2):101-13
Spectroscopic properties of in vivo biological systems: boson radiative equilibrium with steady-state nonequilibrium molecular systems. Illinger KH. **Bioelectromagnetics** 1982; 3(1):9-16
New modalities in cancer treatment: heavy charged particles. Hall EJ. **Br J Radiol** 1981 Sep;54(645):773-81
The effects of negative pions on spermatogonial survival in the mouse. Lambert BE, et al. **Br J Radiol** 1982 Feb; 55(650):147-50
The effect of photon absorption by breast tissue in myocardial imaging with thallium 201. Singh H, et al. **Br J Radiol** 1981 Nov;54(647):966-8
Tolerance of the mature human central nervous system to photon irradiation. Wigg DR, et al. **Br J Radiol** 1981 Sep; 54(645):787-98
Positron annihilation in enzymes. Prasad H, et al. **Indian J Biochem Biophys** 1981 Oct;18(5):363-7
A preliminary comparison of lyoluminescence dosimetry of a pi(-) meson beam with ionisation chamber measurements. Bartlett DT, et al. **Int J Appl Radiat Isot** 1981 Aug; 32(8):603-5
An interpretation of some biological results obtained in range-modulated negative pion beams. Brenner DJ, et al. **Int J Radiat Oncol Biol Phys** 1982 Jan;8(1):121-6
RBE values for neutron therapy: a simple method for converting acceptable photon dose to limiting neutron dose. Hainan KE, et al. **Int J Radiat Oncol Biol Phys** 1981 May;7(5):601-4
Dose dependence of pion RBE values for mouse foot skin reactions. Lam GK, et al. **Int J Radiat Oncol Biol Phys** 1981 Dec;7(12):1689-94
Pions, ions, neutrons, protons 'expanding scope of radiotherapy' [news] **JAMA** 1981 Dec 4;246(22):2535-6
The photon-fluence scaling theorem for Compton-scattered radiation. Pruitt JS, et al. **Med Phys** 1982 Mar-Apr; 9(2):176-9
The physics of cancer therapy with negative pions. Richman C. **Med Phys** 1981 May-Jun;8(3):273-91 (59 ref.)
Photon activation-15O decay studies of tumor blood flow. Ten Haken RK, et al. **Med Phys** 1981 May-Jun;8(3):324-36
On the transport of charged particles through spongy materials. Henkelman RM, et al. **Phys Med Biol** 1981 Nov; 26(6):1151-6
Pion capture probabilities in tissues and tissue-equivalent materials. Lewis CA, et al. **Phys Med Biol** 1982 May; 27(5):683-96
Microdosimetric parameters for photons as a function of depth in water using wall-less and walled counters. Varma MN, et al. **Radiat Res** 1981 Dec;88(3):466-75
The effects of fractionated doses of fast neutrons or photons on the canine cervical spinal cord. Zook BC, et al. **Radiat Res** 1981 Oct;88(1):165-79
Pathologic changes in the hearts of beagles irradiated with

fractionated fast neutrons or photons. Zook BC, et al. **Radiat Res** 1981 Dec;88(3):607–18

Contamination of a 15-MV photon beam by electrons and scattered photons. Mackie TR, et al. **Radiology** 1982 Jul; 144(2):403–9

[Nondestructive analysis by positron measurement (author's transl)] Ujihira Y, et al. **Radioisotopes** 1981 Sep; 30(9):511–20 (56 ref.) **(Jpn)**

[Results of measuring the charge and energy spectra of heavy nuclei on board the artificial Earth satellite Kosmos-936] Dashin SA, et al. **Kosm Biol Aviakosm Med** 1982 May-Jun; 16(3):70–3 (Eng. Abstr.) **(Rus)**

ELEMENTS

Influence of month, color, age, corticosteroids, and dietary molybdenum on mineral concentration of equine hair. Cape L, et al. **Am J Vet Res** 1982 Jul;43(7):1132–6

ANALYSIS

Elemental content of vegetables and millet grown in potted soil amended with lignite fly ash. Furr AK, et al. **Arch Environ Contam Toxicol** 1981 Sep;10(5):647–51

[Elution behaviors of elements from the hair (author's transl)] Akashi J, et al. **Radioisotopes** 1981 Mar;30(3):150–55 (Eng. Abstr.) **(Jpn)**

[Determination of trace elements in Stenopsyche griseipennis by neutron activation analysis (author's transl)] Nagatsuka S, et al. **Radioisotopes** 1981 May;30(5):253–7 (Eng. Abstr.) **(Jpn)**

METABOLISM

[Prececal and postileal digestibility of elements (Ca, P, Mg) and trace elements (Cu, Zn, Mn) in the horse] Meyer H, et al. **Fortschr Tierphysiol Tierernahr** 1982;13:61–9 (Eng. Abstr.) **(Ger)**

ELEPHANTIASIS see under **LYMPHEDEMA**

ELEPHANTS

Hazel elephant redux [letter] Jones WD Jr, et al. **Am Rev Respir Dis** 1982 Feb;125(2):270

Fatal aspiration pneumonia in an African elephant. McGavin MD, et al. **J Am Vet Med Assoc** 1981 Dec 1; 179(11):1249–50

Clinicopathologic correlations of tuberculosis in large zoo mammals. Mann PC, et al. **J Am Vet Med Assoc** 1981 Dec 1;179(11):1123–9

Papillomatosis in Indian elephants. Sundberg JP, et al. **J Am Vet Med Assoc** 1981 Dec 1;179(11):1247–8

Non-lethal poisoning of an elephant [letter] Folwell D. **Vet Rec** 1982 Mar 27;110(13):313

[Delayed dentition of an Indian elephant causing obstipation and colic (author's transl)] Schaller K. **DTW** 1981 Oct 5; 88(10):439–40 (Eng. Abstr.) **(Ger)**

ANATOMY & HISTOLOGY

Studies of the deferent ducts from the testis of the African elephant, Loxodonta africana. I. Structural differentiation. Jones RC, et al. **J Anat** 1981 May;132(Pt 3):371–86

Studies of the deferent ducts from the testis of the African elephant, Loxodonta africana. III. Ultrastructure and cytochemistry of the ductuli efferentes. Jones RC, et al. **J Anat** 1981 Sep;133(Pt 2):247–55

PHYSIOLOGY

Asian bull elephants: Flehmen-like responses to extractable components in female elephant estrous urine. Rasmussen LE, et al. **Science** 1982 Jul 9;217(4555):159–62

ELEVATORS AND ESCALATORS see under **FACILITY DESIGN AND CONSTRUCTION**

ELIGIBILITY DETERMINATION

see related
DISABILITY EVALUATION

Age as a criterion for eligibility in a lung cancer clinical trial. Lee JY, et al. **Am J Clin Oncol** 1982 Aug;5(4):449–52

Exclusion from dialysis: a sociologic and legal perspective. Fox RC. **Kidney Int** 1981 May;19(5):739–51

ECONOMICS

The flax industry in Northern Ireland twenty years on. Elwood PC, et al. **Lancet** 1982 May 15;1(8281):1112–4

LEGISLATION & JURISPRUDENCE

Attendance allowances for the disabled. Where to draw the line. Brahams D. **Practitioner** 1981 Nov;225(1361):1537–8

[Current and future medical evaluation of disability in private insurance and in civil responsibility] Choquard JL. **Z Unfallmed Berufskr** 1981;74(3–4):137–40 **(Fre)**

METHODS

[Economic effectiveness of measures aiming at lowering disability claims] Minachov FA, et al. **Sov Zdravookhr** 1981; (12):21–4 (Eng. Abstr.) **(Rus)**

ELIMINATIVE BEHAVIOR, ANIMAL see under **BEHAVIOR, ANIMAL**

ELLAGIC ACID see under **BENZOPYRANS**

ELLIPTICINES see under **ALKALOIDS**

ELLIPTOCYTOSIS, HEREDITARY

see related
ANEMIA, SIDEROBLASTIC

BLOOD

Spectrin tetramer-dimer equilibrium in hereditary elliptocytosis. Coetzer T, et al. **Blood** 1982 May;59(5):900–5

A technique to detect reduced mechanical stability of red cell membranes: relevance to elliptocytic disorders. Mohandas N, et al. **Blood** 1982 Apr;59(4):768–74

Increased heat sensitivity of red blood cells in hereditary elliptocytosis with acquired cobalamin (vitamin B12) deficiency. Schoomaker EB, et al. **Blood** 1982 Jun; 59(6):1213–9

Hereditary elliptocytosis: morphologic abnormalities during acute hepatitis. Pui CH, et al. **Clin Pediatr (Phila)** 1982 Mar;21(3):188–90

Erythrokinetics and mechanisms of anaemia in hereditary elliptocytosis and hereditary ovalocytosis. Barosi G, et al. **Haematologica (Pavia)** 1982 Apr;67(2):288–91

Defective membrane skeleton assembly in hereditary elliptocytosis. Liu SC, et al. **Prog Clin Biol Res** 1981; 56:157–69

COMPLICATIONS

Hereditary pyropoikilocytosis and elliptocytosis: clinical, laboratory, and ultrastructural features in infants and children. Prchal JT, et al. **Pediatr Res** 1982 Jun;16(6):484–9

FAMILIAL & GENETIC

Ovalocytosis in Papua New Guinea — dominantly inherited resistance to malaria. Castelino D, et al. **Southeast Asian J Trop Med Public Health** 1981 Dec; 12(4):549–55

PHYSIOPATHOLOGY

Defective spectrin dimer-dimer association with hereditary elliptocytosis. Liu SC, et al. **Proc Natl Acad Sci USA** 1982 Mar;79(6):2072–6

ELLIS-VAN CREVELD SYNDROME

COMPLICATIONS

[Ellis-Van Creveld syndrome with cardiac involvement (common atrium, persistence of the left superior vena cava and atresia of the coronary sinus)] García Gallego F, et al. **Rev Esp Cardiol** 1981;34(1):77–80 (Eng. Abstr.) **(Spa)**

DIAGNOSIS

[A case of complex morphodysplasia: Ellis-van Creveld syndrome] Cretu S, et al. **Rev Pediatr Obstet Ginecol [Pediatr]** 1980 Oct-Dec; 29(4):369–76 (Eng. Abstr.) **(Rum)**

EMACIATION

ETIOLOGY

Diencephalic syndrome of emaciation (Russell's syndrome). Waga S, et al. **Surg Neurol** 1982 Feb;17(2):141–6

PATHOLOGY

[Emaciation syndrome (wasting syndrome) in a myasthenia patient] Lobzin VS, et al. **Arkh Patol** 1981;43(11):65–7 (Eng. Abstr.) **(Rus)**

THERAPY

Long-term parenteral nutrition. I. Clinical experience in 70 patients from 1967 to 1980. Jarnum S, et al. **Scand J Gastroenterol** 1981;16(7):903–11

VETERINARY

Vomiting and wasting disease, a coronavirus infection of pigs. Andries K, et al. **Adv Exp Med Biol** 1981;142:399–408

EMBALMING

see related
MUMMIES

The study and restudy of human skeletal series: the importance of long term curation. Buikstra JE, et al. **Ann NY Acad Sci** 1981;376:449–65

METHODS

A method to eliminate free formalin from embalmed human bodies. van der Eerden WJ, et al. **Acta Morphol Neerl Scand** 1981 Dec;19(4):307–9

EMBLEMS AND INSIGNIA

[The cup of Gudea] Hausmann W. **Tierarztl Prax** 1979; 7(2):141–3 **(Ger)**

HISTORY

The radiation warning symbol [letter] Ryan MT, et al. **Health Phys** 1981 Aug;41(2):416–7

Origins of the caduceus. Muñoz P. **Md State Med J** 1981 Oct;30(10):35–40

A medical caduceus from Roman London. Hart G. **Trans Med Soc Lond** 1979;95:99–105

EMBOLISM

CHEMICALLY INDUCED

Embolic retinopathy from carotid artery self-injection. A case of true 'mainline' talc retinopathy. Keane JR. **J Clin Neuro Ophthalmol** 1981 Jun;1(2):119–21

Hepatic oil embolization following lymphangiography. A report of 12 cases. Bruneton JN, et al. **Lymphology** 1982 Jun;15(2):70–3

[Lipiodol embolism of the liver on a computer tomogram] Feuerbach S, et al. **ROFO** 1981 Nov;135(5):604–5 **(Ger)**

[Gestational trophoblastic emboli as possible cause of an acute respiratory distress syndrome (author's transl)] Hoflehner G, et al. **Wien Med Wochenschr** 1981 Oct 15;131(19):475–7 (Eng. Abstr.) **(Ger)**

[The Nicolau syndrome in children (author's transl)] Wronecki K, et al. **Z Kinderchir** 1981 Apr;32(4):367–70 (Eng. Abstr.) **(Ger)**

COMPLICATIONS

Clinicopathologic conference: progressive renal failure with hematuria in a 62 year old man. **Am J Med** 1981 Sep; 71(3):468–74

Retinal phlebitis with chorioretinal emboli. Patrinely JR, et al. **Am J Ophthalmol** 1982 Jul;94(1):49–57

Celiac artery embolism: case report. Fratesi SJ, et al. **Can J Surg** 1981 Sep;24(5):512–3

Pulmonary granulomas secondary to embolic prosthetic valve material. Robinson MJ, et al. **Hum Pathol** 1981 Aug; 12(8):759–62

Myocardial infarction of nonatheromatous origin. Kossmann CE. **J Tenn Med Assoc** 1982 Jan;75(1):39–45

Effects of transfusion of emboli and aged plasma on pulmonary capillary permeability. Mayer JE Jr, et al. **J Thorac Cardiovasc Surg** 1981 Sep;82(3):358–64

Acute myelopathy caused by fibrocartilaginous emboli. Bots GT, et al. **Neurology (NY)** 1981 Oct;31(10):1250–6

Cholesterol embolization — a cause of ureteral stricture. Sayegh NJ, et al. **Urology** 1982 Aug;20(2):166–7

[Paradoxical embolism and pulmonary embolism. Diagnosis in vitam and usefulness of echocardiography (author's transl)] Arosio G, et al. **G Ital Cardiol** 1981;11(4):529–34 **(Ita)**

[Unilateral renal artery embolism as a cause of acute renal failure] Rajewski W, et al. **Pol Arch Med Wewn** 1982 Mar; 67(3):121–4 **(Pol)**

DIAGNOSIS

Clinical correlations in patients with acute myocardial infarction and left ventricular thrombus detected by two-dimensional echocardiography. Friedman MJ, et al. **Am J Med** 1982 Jun;72(6):894–8

Paradoxical saddle embolus: case report with antemortem diagnosis. Guice K, et al. **J Trauma** 1981 Sep;21(9):815–7

Arterial embolism and thrombosis. Gaspar MR. **Major Probl Clin Surg** 1981;4:158–75 (74 ref.)

Paradoxic embolism. Wardekar AS. **South Med J** 1981 Dec; 74(12):1522–4

Arterial embolism – a persisting problem [editorial] Catchpole BN, et al. **Surgery** 1982 Feb;91(2):245

Atheroembolism as cause of graft failure [letter] Wilde WL. **Surgery** 1982 Apr;91(4):488

[Calcified tricuspid endocarditis complicated by a paradoxical aortic embolism in a child (author's transl)] Chaptal PA, et al. **Ann Chir** 1982 Feb;36(2):170–3 (Eng. Abstr.) **(Fre)**

[Pseudo-polyarteritis nodosa due to emboli from cholesterol crystals. Secondary malignant hypertension and subacute renal insufficiency (author's transl)] Faivre JM, et al. **J Mal Vasc** 1982;7(2):121–4 **(Fre)**

[Migratory embolism of the retinal artery (author's transl)] Schnell D. **Klin Monatsbl Augenheilkd** 1982 Apr; 180(4):299–302 (Eng. Abstr.) **(Ger)**

[Diagnosis and treatment of acute obstructions of the superior mesenteric artery] Avgust VK. **Vestn Khir** 1981 Nov; 127(11):24–6 (Eng. Abstr.) **(Rus)**

DRUG THERAPY

Segmental renal artery emboli treated with low-dose intra-arterial streptokinase. Rudy DC, et al. **Urology** 1982 Apr;19(4):410–3

[Differential treatment of acute peripheral arterial embolism with special reference to local lytic therapy] Pöhlmann G, et al. **Z Arztl Fortbild (Jena)** 1982 Mar 15;76(6):243–5 **(Ger)**

ETIOLOGY

Left atrial myxoma with left retinal emboli, right hemiparesis and myocardial infarction. Neurologic and echocardiographic diagnosis. Surgical treatment. Frenay JJ, et al. **Acta Neurol Belg** 1981 Jul-Aug;81(4):215-22

Atheromatous embolization to the skin. Chesney TM. **Am J Dermatopathol** 1982 Jun;4(3):271-3

Massive embolism from cardiac myxoma. Yeoh NT, et al. **Angiology** 1981 Dec;32(12):819-21

Ocular findings in the intravenous drug abuser. Lederer CM Jr, et al. **Ann Ophthalmol** 1982 May;14(5):436-8

Mural thrombus of the aorta: an important, frequently neglected cause of large peripheral emboli. Williams GM, et al. **Ann Surg** 1981 Dec;194(6):737-44

Porcine valve bioprosthesis: early thrombosis with systemic emboli. Bennett EV Jr, et al. **Ann Thorac Surg** 1982 Feb; 33(2):197-9

Strut fracture and disc embolization of a Björk-Shiley mitral valve prosthesis: localization of embolized disc by computerized axial tomography. Larrieu AJ, et al. **Ann Thorac Surg** 1982 Aug;34(2):192-5

Atrial fibrillation and arterial embolism in hyperthyroidism. Hurley DM, et al. **Aust NZ J Med** 1981 Aug;11(4):391-3

Conservative management of unintentional distal embolization following intravascular occlusive therapy. Kaisary AV, et al. **Br J Surg** 1982 Jul;69(7):422

Embolized disc from a Beall mitral valve prosthesis. Real-time echocardiographic identification. Chen CC, et al. **Chest** 1982 Jan;81(1):108-10

Cardiogenic embolism of the upper extremity. Haimovici H. **J Cardiovasc Surg (Torino)** 1982 May-Jun;23(3):209-13

Excessive strut wear allowing ball-poppet embolization in a DeBakey-Surgitool aortic valve prosthesis. Sutherland RD, et al. **J Cardiovasc Surg (Torino)** 1982 Mar-Apr; 23(2):179-80

Shotgun pellet embolization from the chest to the middle cerebral arteries. Alsofrom DJ, et al. **J Trauma** 1982 Feb; 22(2):155-7

Paradoxical bone marrow coronary embolism following cardiopulmonary resuscitation [letter] Lin OS, et al. **JAMA** 1982 Jul 2;248(1):33

A thrombotic tendency in patients with infective endocarditis. Fukuda Y, et al. **Jpn Circ J** 1982 May; 46(5):460-7

Paradoxical embolism associated with patent foramen ovale. Leonard RC, et al. **Postgrad Med J** 1981 Nov;57(673):717-8

Coronary embolism in valvular heart disease. Charles RG, et al. **Q J Med** 1982 Spring;51(202):147-61

Systemic bullet embolism. McQuaide JR, et al. **S Afr J Surg** 1981 Jun;19(2):145-9

Atheroembolism as cause of graft failure in femoral distal reconstruction. Flinn WR, et al. **Surgery** 1981 Oct; 90(4):698-706

[Fatal clinically undiagnosed embolism due to an intravenous catheter in the heart] Hanika J, et al. **Cesk Patol** 1981 Nov; 17(4):193-7 (Eng. Abstr.) **(Cze)**

[Global view of catheter embolism--one of the complications of catheterization of the central venous system (author's transl)] Fanta J Jr. **Sb Lek** 1982 Jan;84(1):15-24 (Eng. Abstr.) **(Cze)**

[20-year prognosis of closed mitral commissurotomy. II. Length of survival and postoperative embolism] Ježková L, et al. **Vnitr Lek** 1982 Apr;28(4):328-35 (Eng. Abstr.) **(Cze)**

[Anatomo-clinical conference at the Pitié-Salpêtrière. Multiple arterial embolisms in a 70-year-old man] Herson S, et al. **Ann Med Interne (Paris)** 1981;132(8):595-9 **(Fre)**

[Cholesterol embolisms. The anatomical, clinical and pathogenetic aspects. Two case reports, including one case of pseudo periarteritis nodosa (author's transl)] Justrabo E, et al. **Arch Anat Cytol Pathol** 1981;29(6):345-52 (Eng. Abstr.) **(Fre)**

[Cerebro-retinal embolization caused by depot corticosteroids] Verougstraete C. **Bull Soc Belge Ophtalmol** 1981;192:65-71 (Eng. Abstr.) **(Fre)**

[Micro-emboli of the upper limb, from arterial source (author's transl)] Melliere D, et al. **Chirurgie** 1981; 107(6):428-32 (Eng. Abstr.) **(Fre)**

[Auricular myxoma disclosed by a multiple emboli syndrome (letter)] Rimailho A, et al. **J Chir (Paris)** 1981 Jul-Aug; 118(6-7):442 **(Fre)**

[Arterial embolism in Whipple's disease] Ducloux G, et al. **Lille Med** 1981 Apr-May;26(4-5):171-2 **(Fre)**

[Cholesterol embolisms. The anatomical, clinical and pathogenetic aspects. Two case reports, including one case of pseudo periarteritis nodosa (author's transl)] Justrabo E, et al. **Sem Hop Paris** 1982 Jun 17;58(24):1489-96 (Eng. Abstr.) **(Fre)**

[Intravenous injections of dissolved pentazocin tablets (Fortalgesic)--a new aspect of drug abuse in our country?] Zeltner TB, et al. **Schweiz Med Wochenschr** 1982 Mar 6; 112(10):344-8 (Eng. Abstr.) **(Ger)**

[Factors influenced on the development of arterial embolization in mitral stenosis (author's transl)] Fujiwara T, et al. **Kyobu Geka** 1981 Feb;34(2):120-3 (Eng. Abstr.) **(Jpn)**

[Acute arterial occlusion due to malignant tumoral embolism. Report of a case and review of the literature] Miranda Junior F, et al. **AMB** 1981 Nov;27(11):329-30 (Eng. Abstr.) **(Por)**

[Sympathetico-adrenal and hypophyseal-adrenal systems in the pathogenesis of the postischemic syndrome] Sergeeva NA, et al. **Kardiologiia** 1982;22(7):75-80 (Eng. Abstr.) **(Rus)**

[Atrial flutter and peripheral embolism in a newborn (author's transl)] Salazar J, et al. **An Esp Pediatr** 1981 Nov; 15(5):478-81 (Eng. Abstr.) **(Spa)**

[Femoral embolism caused by rupture of a cardiac hydatid cyst. Presentation of a case and review of the literature] Bartolo M, et al. **Angiologia** 1981 Nov-Dec;33(6):341-4 (Eng. Abstr.) **(Spa)**

[Arterial embolism caused by hydatid cyst. Intracardiac hydatidosis] Padrón Archs W, et al. **Angiologia** 1981 Nov-Dec;33(6):322-4 (Eng. Abstr.) **(Spa)**

METABOLISM

Microembolization induced oxygen utilization impairment in the canine gracilis muscle. Ellsworth ML, et al. **Adv Shock Res** 1981;5:89-99

MORTALITY

Peripheral emboli of cardiac origin: a community experience. Sutton JP, et al. **J SC Med Assoc** 1982 Jan;78(1):13-5

PATHOLOGY

Embolus to the left main coronary artery. Waller BF, et al. **Am J Cardiol** 1982 Sep;50(3):658-60

Giant Lambl's excrescence presenting as a peripheral embolus. Fitzgerald D, et al. **Chest** 1982 Apr;81(4):516-7

[Paradoxical embolism. Diagnostic criteria, therapeutic principles and report of a case of embolus in situ cordis verified by autopsy] Mathar R, et al. **Ugeskr Laeger** 1982 Mar 8;144(10):719-20 (Eng. Abstr.) **(Dan)**

[Micro-circulatory disturbance related to the blood-retinal barrier. 1. Experimental occlusion of latex microspheres (author's transl)] Kaga N, et al. **Nippon Ganka Gakkai Zasshi** 1981 Dec 10;85(12):2138-46 (Eng. Abstr.) **(Jpn)**

PHYSIOPATHOLOGY

[The embolic disease] Marshall M. **MMW** 1982 Jun 25; 124(25):71-2 **(Ger)**

PREVENTION & CONTROL

Cardioversion of atrial fibrillation: consideration of embolization, anticoagulation, prophylactic pacemaker, and long-term success. Mancini GB, et al. **Am Heart J** 1982 Sep;104(3):617-21

Prevention of venous thromboembolism in unstable angina pectoris [letter] Salzman EW, et al. **N Engl J Med** 1982 Apr 22;306(16):991

[Prevention of arterial embolisms by the combination of dipyridamole and antivitamins K in patients with artificial valves. Apropos of a series of 314 operated valves] Cribier A, et al. **Arch Mal Coeur** 1982 Jan;75(1):89-98 (Eng. Abstr.) **(Fre)**

[Use of the internal jugular vein for electrode and cava-filter implantation] Bredikis IuIu, et al. **Vestn Khir** 1982 Apr; 128(4):10-2 **(Rus)**

RADIOGRAPHY

Digital ischemia: angiographic differentiation of embolism from primary arterial disease. Maiman MH, et al. **AJR** 1981 Dec;137(6):1183-7

Differential diagnosis of hand ischemia in the presence of an arterial cannula. Vender JS, et al. **Anesth Analg (Cleve)** 1982 May;61(5):465-8

Unilateral renal artery embolism managed conservatively. Srinivas V, et al. **Can J Surg** 1982 May;25(3):281-2

Superior mesenteric artery obstruction by intraaortic counterpulsation balloon simulating embolism: a case report. Karlson KB, et al. **Cardiovasc Intervent Radiol** 1981; 4(4):236-8

Experience with the Blue Toe Syndrome. Moore DJ, et al. **Ir Med J** 1982 Feb;75(2):46-8

SURGERY

Arterial embolism: a 44 year perspective. Abbott WM, et al. **Am J Surg** 1982 Apr;143(4):460-4

Arterial embolectomy in the leg. Results in a referral hospital. Kendrick J, et al. **Am J Surg** 1981 Dec;142(6):739-43

The early diagnosis of massive acute intestinal ischaemia. Jamieson WG, et al. **Br J Surg** 1982 Jun;69 Suppl:S52-3

Arterial embolectomy in the modern era. Sheiner NM, et al. **Can J Surg** 1982 Jul;25(4):373-5

Balloon embolectomy catheters in small arteries. II. Comparison of fluid-filled and gas-filled balloons. Dobrin PB. **Surgery** 1982 Jun;91(6):671-9

[Arterial embolectomy (problems of delayed embolectomy)] Kořístek V, et al. **Rozhl Chir** 1981 Feb;60(2):126-32 (Eng. Abstr.) **(Cze)**

[Sudden occlusion of the superior mesenteric artery] Leypold J, et al. **Rozhl Chir** 1981 Feb;60(2):139-41 (Eng. Abstr.) **(Cze)**

[Acute occlusions of arteries in the extremities] Valenta J, et al. **Rozhl Chir** 1981 Sep;60(9):600-7 (Eng. Abstr.) **(Cze)**

[Embolectomy in acute ischemia of the extremities. Analysis of failures] Giordanengo F, et al. **Minerva Chir** 1981 Oct 31;36(20):1327-32 **(Ita)**

[Superior mesenteric artery embolism as compared to the short intestine syndrome] Pelzer M, et al. **Pol Tyg Lek** 1981 Oct-Dec;36(42-52):1633-5 **(Pol)**

THERAPY

Treatment of acute peripheral arterial occlusion. Results in 125 patients. Hetland KR, et al. **J Oslo City Hosp** 1981 Dec;31(12):141-5

Transfemoral renal artery embolectomy. Maxwell DD, et al. **Radiology** 1982 Jun;143(3):653-4

New concepts in the management of emboli of the superior mesenteric artery. Boley SJ, et al. **Surg Gynecol Obstet** 1981 Oct;153(4):561-9

[Trans-catheter extraction of dispersed embolization material] Günther R. **ROFO** 1980 Nov;133(5):551-2 **(Ger)**

[Percutaneous transluminal removal of embolised catheter fragments (author's transl)] Küffer G, et al. **ROFO** 1981 Dec;135(6):691-4 (Eng. Abstr.) **(Ger)**

URINE

Epitheliuria: aid in early diagnosis of renal artery embolus. Warner RS, et al. **Urology** 1982 Jun;19(6):628-9

VETERINARY

[Acute paralysis due to cartilaginous emboli of the spinal cord of the dog. (Clinical and pathological studies)] Stünzi H, et al. **Schweiz Arch Tierheilkd** 1981 Aug;123(8):387-99 (Eng. Abstr.) **(Ger)**

EMBOLISM, AIR

BLOOD

Size distribution of intravascular air emboli produced by decompression. Hills BA, et al. **Undersea Biomed Res** 1981 Sep;8(3):163-70

COMPLICATIONS

Cardiac arrest from gas embolism in scuba diving. Cales RH, et al. **Ann Emerg Med** 1981 Nov;10(11):589-92

Dysbaric osteonecrosis: a consequence of intravascular bubble formation, endothelial damage, and platelet thrombosis. Slichter SJ, et al. **J Lab Clin Med** 1981 Oct; 98(4):568-90

Lung ultrastructure in noncardiogenic pulmonary edema induced by air embolization in dogs. Moosavi H, et al. **Lab Invest** 1981 Nov;45(5):456-64

The Macklin effect: a cause of pneumoperitoneum. Brotman S, et al. **Md State Med J** 1981 Sep;30(9):30

Successful reversal of brain damage from iatrogenic air embolism. Diethrich EB, et al. **Surg Gynecol Obstet** 1982 Apr;154(4):572-5

[Cardiac arrest caused by air embolism in the course of a partial liver resection--a rare anaesthesiological complication (author's transl)] Fritz KW, et al. **Anaesthesist** 1982 Jun;31(6):300-1 (Eng. Abstr.) **(Ger)**

DIAGNOSIS

Nitrous oxide challenge for detection of residual intravascular pulmonary gas following venous air embolism. Shapiro HM, et al. **Anesth Analg (Cleve)** 1982 Mar;61(3):304-6

ETIOLOGY

Fatal air embolus associated with pneumatosis cystoides intestinalis. Bonnell H, et al. **Am J Forensic Med Pathol** 1982 Mar;3(1):69-72

Fatal air embolism following perforation of the cecum in a patient with peritoneovenous shunt for ascites. Hirst AE, et al. **Am J Gastroenterol** 1981 Nov;76(5):453-5

Air embolism and central venous lines. Ostrow LS. **Am J Nurs** 1981 Nov;81(11):2036-8

Venous air embolism of uncertain etiology. Merrill DG, et al. **Anesth Analg (Cleve)** 1982 Jan;61(1):65-6

Gas embolism associated with use of lasers for urethral surgery [letter] Vourc'h G, et al. **Anesth Analg (Cleve)** 1982 Feb;61(2):160

Air embolism associated with pulmonary artery catheter introducer kit. Doblar DD, et al. **Anesthesiology** 1982 Apr; 56(4):307-9

Air embolism associated with pulmonary artery catheter introducer kit. Doblar DD, et al. **Anesthesiology** 1982 May; 56(5):389-91

Coronary air embolism during venous cannulation. Horrow JC, et al. **Anesthesiology** 1982 Mar;56(3):212-4

Venous air embolism [letter] Pickard LR. **Ann Thorac Surg** 1982 Jan;33(1):102-3

Oxygen embolus during mechanical ventilation with disappearance of signs after death. Rudd PT, et al. **Arch Dis Child** 1982 Mar;57(3):237-9

Systemic air embolism following manual lung inflation. Tracey JA, et al. **Can Anaesth Soc J** 1982 May;29(3):272-4

Can pulmonary barotrauma cause cerebral air embolism in a non-diver? Bayne CG, et al. **Chest** 1982 May;81(5):648-50

Pulmonary venous-bronchial fistula following left atrial pressure line insertion: iatrogenic cause of air embolism following cardiac surgery. Becker RM, et al. **Chest** 1982 Mar;81(3):378-80

Air embolism during cardiopulmonary bypass [letter] Hughes

D. **J Thorac Cardiovasc Surg** 1981 Oct;82(4):639
One caution in pneumatic antishock garment use [news] McBride G. **JAMA** 1982 Feb 26;247(8):1112
Fatal paradoxical air embolism to the brain: complication of central venous catheterization. Michel L, et al. **JPEN** 1982 Jan-Feb;6(1):68-70
Danger of evacuated bottles for phlebotomy [letter] Chwirut DJ. **N Engl J Med** 1982 Feb 4;306(5):302
Probable carbon dioxide embolism during laparoscopy; case report. Nichols SL, et al. **Wis Med J** 1981 Mar;80(3):27-9
[Effects of variations in the ascending speed on the production of circulating gas bubbles after compressed-air diving] Marroni A, et al. **Minerva Med** 1981 Dec 30; 72(52):3567-72 (Eng. Abstr.) **(Ita)**
[A new sign in the post-embolization syndrome] Navio Niño S, et al. **Actas Urol Esp** 1981 Jul-Aug;5(4):247-50 (Eng. Abstr.) **(Spa)**

PATHOLOGY

Paradoxical cerebral air embolism without an intracardiac septal defect. Case report. Marquez J, et al. **J Neurosurg** 1981 Dec;55(6):997-1000
Arterial air embolism: structural effects on the gerbil brain. Garcia JH, et al. **Stroke** 1981 Jul-Aug;12(4):414-21

PHYSIOPATHOLOGY

Hydrodynamic features of pulmonary air embolism: a model study. Chang HK, et al. **J Appl Physiol** 1981 Oct; 51(4):1002-8
Air embolism: possible role of surfactant on recompression. Hills BA, et al. **J Appl Physiol** 1982 Jan;52(1):119-23
Venous air emboli in sheep: reversible increase in lung microvascular permeability. Ohkuda K, et al. **J Appl Physiol** 1981 Oct;51(4):887-94
Air in the ductus [letter] Salmes SH. **Pediatrics** 1981 Nov; 68(5):750-1

PREVENTION & CONTROL

Prevention of air emboli in hip surgery. Femoral shaft insufflation with carbon dioxide. Harvey PB, et al. **Anaesthesia** 1982 Jul;37(7):714-7
Balloon catheter increases air capture [letter] Bunegin L, et al. **Anesthesiology** 1982 Jul;57(1):66-7
Positive end-expiratory pressure and air embolism in the sitting position [letter] Gilsanz FJ, et al. **Br J Anaesth** 1982 Jan;54(1):110-1
A simple technique for removal of residual air after cardiopulmonary bypass (CPB). Gallo JI, et al. **Thorac Cardiovasc Surg** 1982 Apr;30(2):117-9
[Micropore filters for preventing venous air embolism during infusions (author's transl)] Krier C, et al. **Anasth Intensivther Notfallmed** 1982 Feb;17(1):58-61 (Eng. Abstr.) **(Ger)**
[Monitors for venous air entrainment in a patient undergoing neurosurgery in the sitting position (author's transl)] Furuya H, et al. **Masui** 1982 Mar;31(3):256-60 (Eng. Abstr.) **(Jpn)**

RADIOGRAPHY

Pseudopneumothorax. Jackson FN, et al. **Chest** 1982 Jun; 81(6):770-1
Detection of pneumoencephaly secondary to mechanical ventilation in neonates. Mikhael MA, et al. **CT** 1981 Sep; 5(4):328-32
Massive air embolism from the pulmonary artery. Cholankeril JV, et al. **Radiology** 1982 Jan;142(1):33-4
The role of computed tomography in the management of dysbaric diving accidents. Kizer KW. **Radiology** 1981 Sep; 140(3):705-7
Radiographic manifestations of venous air embolism. Kizer KW, et al. **Radiology** 1982 Jul;144(1):35-9

SURGERY

Cardiac catheters for diagnosis and treatment of venous air embolism: a prospective study in man. Bedford RF, et al. **J Neurosurg** 1981 Oct;55(4):610-4

THERAPY

Air embolism: placement of central venous catheters [letter] Campkin TV. **Anesthesiology** 1982 May;56(5):406-7
Massive air embolism during cardiopulmonary bypass: successful treatment with immediate hypothermia and circulatory support. Spampinato N, et al. **Ann Thorac Surg** 1981 Dec;32(6):602-3
Massive arterial air embolism due to rupture of pulsatile assist device: successful treatment in the hyperbaric chamber. Tomatis L, et al. **Ann Thorac Surg** 1981 Dec;32(6):604-8
Successful therapy of cerebral air embolism with hyperbaric oxygen at 2.8 ATA. Bove AA, et al. **Undersea Biomed Res** 1982 Mar;9(1):75-80
[Successful hyperbaric therapy of cerebral air embolism causing cortical blindness] Székely A, et al. **Orv Hetil** 1981 Jun 7;122(23):1401-2 **(Hun)**
[Hyperbaric oxygenation in cerebral air embolism occurring during open-heart surgery (author's transl)] Toscano M, et al. **G Ital Cardiol** 1981;11(9):1301-4 (Eng. Abstr.) **(Ita)**

EMBOLISM, AMNIOTIC FLUID

COMPLICATIONS

[Amniotic fluid embolism with coagulation disorder--a case report (author's transl)] Oney T, et al. **Geburtshilfe Frauenheilkd** 1982 Jan;42(1):25-8 (Eng. Abstr.) **(Ger)**

DIAGNOSIS

Localized amniotic fluid embolism presenting as ovarian vein thrombosis and refractory postoperative fever. Kern SB, et al. **Am J Clin Pathol** 1981 Oct;76(4):476-80
A documented case of amniotic fluid embolism presenting as acute fetal distress. Barrows JJ. **Am J Obstet Gynecol** 1982 Jul 1;143(5):599-600
[Amniotic fluid embolism with patient survival] Marcinkowski Z, et al. **Ginekol Pol** 1981 Sep;52(9):827-32 (Eng. Abstr.) **(Pol)**

ETIOLOGY

Death from amniotic fluid embolism and disseminated intravascular coagulation after a curettage abortion. Cates W Jr, et al. **Am J Obstet Gynecol** 1981 Oct 1;141(3):346-8
[Amniotic fluid embolism. Overview and indications of predominantly disseminating intravascular coagulation] Schmid F, et al. **Gynakol Rundsch** 1982;22(2):96-106 **(Ger)**

MORTALITY

Fatal amniotic fluid embolism during legally induced abortion, United States, 1972 to 1978. Guidotti RJ, et al. **Am J Obstet Gynecol** 1981 Oct 1;141(3):257-61

PATHOLOGY

[Morphological findings in heart ventricles in unilateral over-loading] Dušek J. **Cesk Fysiol** 1981;30(2):111-2 **(Cze)**

PHYSIOPATHOLOGY

Case report: a fatal case of amniotic fluid embolism. Azzan BB. **Afr J Med Med Sci** 1979 Mar-Jun;8(1-2):71-3
Severe amniotic fluid embolism: case report with haemodynamic findings. Moore PG, et al. **Anaesth Intensive Care** 1982 Feb;10(1):40-4

EMBOLISM, FAT

BLOOD

Lipoprotein electrophoresis in fat embolism: a preliminary report. Treiman N, et al. **Injury** 1981 Sep;13(2):108-10

COMPLICATIONS

Purtscher's retinopathy associated with acute pancreatitis. Jones WL. **Am J Optom Physiol Opt** 1981 Oct;58(10):855-8
Embolism and multiple sclerosis [letter] Adams CW, et al. **Lancet** 1982 Mar 13;1(8272):621
Evidence for subacute fat embolism as the cause of multiple sclerosis. James PB. **Lancet** 1982 Feb 13;1(8268):380-6
Fat embolism in multiple sclerosis [letter] James PB. **Lancet** 1982 Jun 12;1(8285):1356
[Association of disseminated intravascular coagulation and cutaneous crystal cholesterol emboli (author's transl)] Leroy D, et al. **Ann Dermatol Venereol** 1981; 108(8-9):665-73 (Eng. Abstr.) **(Fre)**
[Delayed splenic rupture and fat embolism in childhood (author's transl)] Höllwarth M, et al. **Z Kinderchir** 1981 Aug;33(4):329-35 (Eng. Abstr.) **(Ger)**

DRUG THERAPY

[Study of principles in pathogenesis and therapy of fat embolism. IV. In vivo studies of drug-induced mobilization of embolized lung fat] Gottlob R, et al. **Z Exp Chir** 1982; 15(2):75-85 (Eng. Abstr.) **(Ger)**

ETIOLOGY

Pulmonary fat embolization in the immunocompromised patient: its relationship to steroid medication. Pastore L, et al. **Am J Surg Pathol** 1982 Jun;6(4):315-22
Fat embolism in Eisenmenger syndrome. Merrill SB. **Anaesthesia** 1981 Nov;36(11):1048-50
Fat embolism syndrome: incidence, significance and early features. Moore P, et al. **Aust NZ J Surg** 1981 Dec; 51(6):546-51
Fat embolism syndrome following bilateral total knee replacement with total condylar prosthesis: report of two cases. Lachiewicz PF, et al. **Clin Orthop** 1981 Oct; (160):106-8
[Fat embolism syndrome and its treatment] Lewandowski KB, et al. **Duodecim** 1982;98(4):251-7 (Eng. Abstr.) **(Fin)**
[Fat embolism manifested in juvenile rheumatoid arthritis in a young patient] Sariola H, et al. **Duodecim** 1982; 98(4):277-80 **(Fin)**
[Severe fat embolism after minor injury (letter)] Bonmarchand G, et al. **Nouv Presse Med** 1981 Dec 26; 10(47):3851-2 **(Fre)**
[Pulmonary fat embolism after multiple injuries (an experimental morphological study)] Zaitseva KK, et al. **Arkh Patol** 1981;43(12):40-7 (Eng. Abstr.) **(Rus)**

METABOLISM

[Pulmonary lipids in fatal burns (author's transl)] Pollak S, et al. **Wien Klin Wochenschr** 1981 Feb 20;93(4):111-7 (Eng. Abstr.) **(Ger)**
[The fatty acid metabolism in patients with fracture and fat embolism syndrome after fracture (author's transl)] Inomata Y. **Nippon Seikeigeka Gakkai Zasshi** 1981 Feb;55(2):147-66 (Eng. Abstr.) **(Jpn)**

OCCURRENCE

Occurrence of pulmonary fat and bone marrow embolism. Buchanan D, et al. **Am J Forensic Med Pathol** 1982 Mar; 3(1):73-8

PATHOLOGY

Multiple cholesterol emboli syndrome. Rosansky SJ. **South Med J** 1982 Jun;75(6):677-80
[Fat embolism; a survey (author's transl)] Wehner W. **Zentralbl Chir** 1981;106(18):1177-93 (Eng. Abstr.) **(Ger)**

PHYSIOPATHOLOGY

Electrocerebral silence associated with adequate spontaneous ventilation in a case of fat embolism. A clinical and medicolegal dilemma. Boutros AR, et al. **Arch Neurol** 1982 May;39(5):314-6
Fat embolism syndrome: a review of the pathophysiology and physiological basis of treatment. Gossling HR, et al. **Clin Orthop** 1982 May;(165):68-82 (132 ref.)
Pulmonary epithelial permeability is immediately increased after embolisation with oleic acid but not with neutral fat. Jones JG, et al. **Thorax** 1982 Mar;37(3):169-74

THERAPY

A proposal for evaluation of treatment in experimental fat embolism. McPherson JC Jr, et al. **Med Hypotheses** 1981 Jul;7(7):937-41

EMBOLIZATION, THERAPEUTIC

Conservative treatment of uterine arteriovenous fistula. Forssman L, et al. **Acta Obstet Gynecol Scand** 1982; 61(1):85-7
Preoperative embolization of hypervascular head and neck neoplasms using microfibrillar collagen. Kumar AJ, et al. **AJNR** 1982 Mar-Apr;3(2):163-8
Complications of coil embolization: prevention and management. Chuang VP, et al. **AJR** 1981 Oct; 137(4):809-13
Video dilution technique evaluation of an arteriovenous fistula: monitoring of detachable balloon embolization. Dublin AB, et al. **AJR** 1981 Dec;137(6):1249-50
Partial splenic embolization for hypersplenism in renal transplantation. Gerlock AJ Jr, et al. **AJR** 1982 Mar; 138(3):451-6
Therapeutic embolization of diffuse pulmonary arteriovenous malformations. Hatfield DR, et al. **AJR** 1981 Oct; 137(4):861-3
Capillary embolization with Ethibloc: new embolization concept tested in dog kidneys. Kauffmann GW, et al. **AJR** 1981 Dec;137(6):1163-8
Therapeutic embolization of the gastroduodenal artery in hepatic artery infusion chemotherapy. Kuribayashi S, et al. **AJR** 1981 Dec;137(6):1169-72
Hypoxic radioprotection by temporary intestinal ischemia: degradable starch microsphere embolization in the cat. Lote K. **AJR** 1981 Nov;137(5):909-14
Infarction of renal tumors using isobutyl-2 cyanoacrylate and lipiodol. Papo J, et al. **AJR** 1981 Oct;137(4):781-5
Transcatheter treatment of injuries to the profunda femoris artery. Sclafani SJ, et al. **AJR** 1982 Mar;138(3):463-6
Benefits of embolization without surgery for cerebral arteriovenous malformations. Wolpert SM, et al. **AJR** 1982 Jan;138(1):99-102
Arterial embolisation in the treatment of malignant tumours. Soimakallio S, et al. **Ann Chir Gynaecol** 1981;70(3):112-5
Embolization in renal pathology. A survey of Belgian experience : 115 embolizations. Crolla D, et al. **Ann Radiol (Paris)** 1981 Jun-Jul;24(5):394-5
Embolization of renal tumors. A survey of the Italian experience : 282 patients. Frasson F, et al. **Ann Radiol (Paris)** 1981 Jun-Jul;24(5):396-9
Catheter treatment of arterial hypertension in dialysis patients or patients with transplanted kidneys. Grosse-Vorholt R. **Ann Radiol (Paris)** 1981 Jun-Jul;24(5):353-4
Transcatheter embolization in pelvic malignancy. A summary of twenty-six cases. Klose KJ, et al. **Ann Radiol (Paris)** 1981 Jun-Jul;24(5):390-3
Clinical limitations of renal cell carcinoma preoperative embolization. Passariello R, et al. **Ann Radiol (Paris)** 1981 Jun-Jul;24(5):426-7
Spleen embolization. Struyven J, et al. **Ann Radiol (Paris)** 1981 Jun-Jul;24(5):404-5
Transcatheteral occlusion of hepatic and splenic vessels. Vogel H, et al. **Ann Radiol (Paris)** 1981 Jun-Jul;24(5):410-2
Bleeding esophageal varices: treatment with vasopressin, transhepatic embolization and selective splenorenal shunting. Johnson WC, et al. **Ann Surg** 1982 Apr;

195(4):393–400
Massive hemoptysis: control by transcatheter bronchial artery embolization. Magilligan DJ Jr, et al. **Ann Thorac Surg** 1981 Oct;32(4):392–400
Percutaneous transhepatic occlusion for bleeding oesophageal varices in polycystic disease. Laing IA, et al. **Arch Dis Child** 1981 Dec;56(12):954–63
Presurgical devascularization of a laryngeal paraganglioma. van Vroonhoven TJ, et al. **Arch Otolaryngol** 1982 Sep; 108(9):600–2
Therapeutic adrenal venous infarction in ACTH-dependent Cushing's syndrome. Rosenstock J, et al. **Br J Radiol** 1981 Oct;54(646):912–5
Renal embolisation for urinary fistula caused by irreparable ureteric injury. May AR, et al. **Br Med J [Clin Res]** 1981 Oct 24;283(6299):1086–7
Therapeutic embolisation [editorial] Young AE. **Br Med J [Clin Res]** 1981 Oct 31;283(6300):1144–5
Augmentation of natural killer cell activity after arterial embolization of renal carcinomas. Bakke A, et al. **Cancer Res** 1982 Sep;42(9):3880–3
Embolization of bleeding transverse pancreatic artery aneurysms. Knight RW, et al. **Cardiovasc Intervent Radiol** 1982;5(1):37–9
Arterial embolization for traumatic hemobilia with hepato-portal fistula. Shenoy SS, et al. **Cardiovasc Intervent Radiol** 1981;4(3):206–8
Percutaneous embolic occlusion of an inadvertent surgical aortocoronary vein fistula. Grollman JH Jr, et al. **Cathet Cardiovasc Diagn** 1982;8(3):287–92
Percutaneous interventional catheter therapy for lesions of the chest and lungs. Keller FS, et al. **Chest** 1982 Apr; 81(4):407–12
Therapeutic arterial embolisation of the spleen: a new cause of free intraperitoneal gas. Allison DJ, et al. **Clin Radiol** 1981 Nov;32(6):617–21
Hepatic telangiectasia in Osler's disease treated with arterial embolization. Report of 2 cases. Göthlin JH, et al. **Eur J Radiol** 1982 Feb;2(1):27–30
Embolization of AV intra-hepatic fistulas. Mallarini G, et al. **Eur J Radiol** 1982 May;2(2):152–6
Bilateral renal transcatheter embolization. Vogel H, et al. **Eur J Radiol** 1981 Aug;1(3):207–9
Transcatheter embolization of hepatic arteriovenous fistulas for control of hemobilia. Clark RA, et al. **Gastrointest Radiol** 1981;6(4):353–6
Management of intractable metrorrhagia in an acute leukemic patient by means of therapeutic embolization of the hypogastric arteries. Nadalini VF, et al. **Haematologica (Pavia)** 1982 Apr;67(2):267–71
Selective effect of microembolization on pulmonary removal of biogenic amines. Flink JR, et al. **J Appl Physiol** 1982 Feb;52(2):421–7
Bone metastases from renal carcinoma. The preoperative use of transcatheter arterial occlusion. Bowers TA, et al. **J Bone Joint Surg [Am]** 1982 Jun;64(5):749–54
Therapeutic embolisation [editorial] Allison DJ. **J Bone Joint Surg [Br]** 1982;64(2):151–2
Giant-cell tumour of the ischium treated by embolisation and resection. A case report. Channon GM, et al. **J Bone Joint Surg [Br]** 1982;64(2):164–5
Transcatheter embolisation therapy of an ischial aneurysmal bone cyst. Murphy WA, et al. **J Bone Joint Surg [Br]** 1982; 64(2):166–8
Non chromaffin paragangliomas of the head and neck. Diagnostic and therapeutic angiography in 19 cases explored from 1977 to 1980. Lasjaunias P, et al. **J Neuroradiol** 1981;8(4):281–99 **(Eng, Fre)**
Embolization of the cavernous and petrous segments of the internal carotid artery in severe basilar skull and petrous bone lesions. Riché MC, et al. **J Neuroradiol** 1981; 8(4):301–15 **(Eng, Fre)**
Pathology of arteriovenous malformations embolized with isobutyl-2-cyanoacrylate (bucrylate). Report of two cases. Vinters HV, et al. **J Neurosurg** 1981 Nov;55(5):819–25
Tissue oxygen exchange and reactive hyperemia following microembolization. Landau SE, et al. **J Surg Res** 1982 Jan; 32(1):38–43
Arterial embolization of renal allograft to control hemorrhage secondary to percutaneous nephropyelostomy. Eckhauser ML, et al. **J Urol** 1981 Nov;126(5):679–80
Renal ablation with the Gianturco stainless steel coil for control of massive proteinuria. Kirschbaum BB, et al. **J Urol** 1981 Dec;126(6):807–8
Post-biopsy false arterial aneurysm of a transplanted kidney: treatment by bucrylate transcatheter embolization. Moreau JF, et al. **J Urol** 1982 Jul;128(1):116–8
Successful arterial embolization of an insulinoma. Moore TJ, et al. **JAMA** 1982 Sep 17;248(11):1353–5
Bleeding esophageal varices: treatment by embolization and shunting. Nabseth DC, et al. **Jpn J Surg** 1981 Jan;11(1):8–14
Control of post renal biopsy hemorrhage by Gelfoam embolization. Farmer CD, et al. **Nephron** 1981;28(3):149–51
Vascular mass. Preoperative occlusion of feeding vessel. Randall PA. **NY State J Med** 1982 Feb;82(2):189–91
Combined therapy for vascular lesions of the head and neck with intra-arterial embolization and surgical excision. Biller HF, et al. **Otolaryngol Head Neck Surg** 1982 Jan–Feb; 90(1):37–47
Arteriovenous malformation [letter] Lewis MB. **Plast Reconstr Surg** 1982 May;69(5):904–6
Arterial embolization in the management of liver tumour with recurrent hypoglycaemia. Bell GM, et al. **Postgrad Med J** 1981 Aug;57(670):534–6
Embolisation of anomalous artery in scimitar vein syndrome. Frost B, et al. **Radiography** 1982 May;48(569):93–4
Interventional angiography in the treatment of metastases. Soo CS, et al. **Radiol Clin North Am** 1982 Sep;20(3):591–600
Minilaparotomy for occlusion of coronary veins and control of varices. Goldman ML, et al. **Radiology** 1982 Sep; 144(4):924–6
Embolization therapy in the management of congenital arteriovenous malformations. Gomes AS, et al. **Radiology** 1982 Jul;144(1):41–9
Transrenal ureteral occlusion with a detachable balloon. Günther R, et al. **Radiology** 1982 Feb;142(2):521–3
Hepatic artery embolization in the treatment of hepatic neoplasms [letter] Levin DC. **Radiology** 1982 Feb; 142(2):546–7
Experimental transcatheter splenectomy using absolute ethanol. Mineau DE, et al. **Radiology** 1982 Feb;142(2):355–9
Angiography and therapeutic blockade in the control of hemoptysis. The importance of nonbronchial systemic arteries. Vujic I, et al. **Radiology** 1982 Apr;143(1):19–23
Partial splenic embolization using polyvinyl alcohol foam, dextran, polystyrene, or silicone. An experimental study in dogs. Wright KC, et al. **Radiology** 1982 Feb;142(2):351–4
Control of intrahepatic bleeding by superselective embolization of the middle hepatic artery. Tisnado J, et al. **South Med J** 1982 Jan;75(1):70–1
Palliative embolization of renal tumors: follow-up of 19 cases. Ekelund L, et al. **Urol Radiol** 1981;3(1):13–8
Transcatheter renal artery embolization in treatment of severe urgency and incontinence in bladder metastases. Gordon RL, et al. **Urology** 1982 Jun;19(6):666–8
Segmental renal artery embolization in solitary renal carcinoma. Soo CS, et al. **Urology** 1981 Oct;18(4):420–3
Resection and embolization in the management of secondary hepatic tumors. Blumgart LH, et al. **World J Surg** 1982 Jan;6(1):32–45
An appraisal of transcatheter arterial embolization combined with transcatheter arterial infusion of chemotherapeutic agent for hepatic malignancies. Okamura J, et al. **World J Surg** 1982 May;6(3):352–7
[Experimental embolization of hepatic and renal arteries and its clinical application (author's transl)] Lin G. **Chung Hua Fang She Hsueh Tsa Chih** 1981 Nov;15(4):241–3 **(Chi)**
[Treatment of traumatic internal carotid-cavernous fistula with free muscle embolization and ligation of the common carotid artery (author's transl)] Cao ZW. **Chung Hua Wai Ko Tsa Chih** 1982 Jan;20(1):6–7 **(Chi)**
[Excision of a chemodectoma of the glomus intravagale after preceding embolization; advantages of the combined method] Vierhout RJ, et al. **Ned Tijdschr Geneeskd** 1982 Jan 16;126(3):97–101 (Eng. Abstr.) **(Dut)**
[Therapeutic embolization in ORL pathology. Indications and results] Vincent Y, et al. **Acta Otorhinolaryngol Belg** 1981;35(3–4):247–61 (Eng. Abstr.) **(Fre)**
[Embolization of a hypernephroma metastasis] Penders L, et al. **Acta Urol Belg** 1981 Oct;49(4):428–43 (Eng. Abstr.) **(Fre)**
[Therapeutic radiology of E.N.T. tumors of base of skull : middle and posterior sections excluding neuroma of N. VIII. (author's transl)] Moret J, et al. **Ann Otolaryngol Chir Cervicofac** 1981;98(4–5):243–6 (Eng. Abstr.) **(Fre)**
[Bladder hemorrhage embolization. Forty-three cases (author's transl)] Huguet JF, et al. **Ann Radiol (Paris)** 1981 Jun–Jul;24(5):456–60 (Eng. Abstr.) **(Fre)**
[Embolization of traumatic kidneys. Study of eight cases (author's transl)] Huguet JF, et al. **Ann Radiol (Paris)** 1981 Jun–Jul;24(5):450–3 (Eng. Abstr.) **(Fre)**
[Non-surgical cure of varicocele by embolization with isobutyl-2-cyano-acrylate (author's transl)] Kunnen M. **Ann Radiol (Paris)** 1981 Jun–Jul;24(5):406–9 (Eng. Abstr.) **(Fre)**
[Severe digestive hemorrhage. Place and results of arterial embolization (author's transl)] Lyonnet D, et al. **Ann Radiol (Paris)** 1981 Jun–Jul;24(5):413–8 (Eng. Abstr.) **(Fre)**
[Embolization of benign non tumoral diseases of the kidney (author's transl)] Pinet A, et al. **Ann Radiol (Paris)** 1981 Jun–Jul;24(5):420–5 (Eng. Abstr.) **(Fre)**
[Hemostatic embolization. A report on 212 cases (author's transl)] Riche MC, et al. **J Chir (Paris)** 1982 May; 119(5):363–73 (Eng. Abstr.) **(Fre)**
[Contribution of embolization to the treatment of nasopharyngeal fibromas] Lacomme Y, et al. **Rev Chir [Otorinolaringol]** 1981 Apr–Jun;26(2):121–4 **(Fre)**
[Embolization in otorhinolaryngology] Legros M, et al. **Rev Laryngol Otol Rhinol (Bord)** 1981 Nov–Dec; 102(11–12):521–30 (56 ref.) (Eng. Abstr.) **(Fre)**
[Severe digestive hemorrhage. Place and results of arterial embolization (author's transl)] Lyonnet D, et al. **Sem Hop Paris** 1982 Jan 7;58(1):39–44 (Eng. Abstr.) **(Fre)**
[Embolization of benign non tumoral diseases of the kidney (author's transl)] Pinet A, et al. **Sem Hop Paris** 1982 Jan 21;58(3):159–64 (Eng. Abstr.) **(Fre)**
[Therapeutic embolisation of large pulmonary arteriovenous fistulas--an alternative to operation (author's transl)] Günther R, et al. **Dtsch Med Wochenschr** 1981 Dec 11; 106(50):1707–10 (Eng. Abstr.) **(Ger)**
[Nephrotic syndrome as indication for one-stage bilateral renal embolisation (author's transl)] Kuhn C, et al. **Dtsch Med Wochenschr** 1982 Mar 26;107(12):461–4 (Eng. Abstr.) **(Ger)**
[Preoperative embolization of large hemangiomas] Barsekow F, et al. **Dtsch Zahnarztl Z** 1982 Jan;37(1):42–4 (Eng. Abstr.) **(Ger)**
[The angiographic diagnosis and catheter embolization in pulmonary haemorrhages (author's transl)] Rabkin IC, et al. **Radiol Diagn (Berl)** 1981;22(3):309–15 (Eng. Abstr.) **(Ger)**
[Experimental studies with new embolization material (cyanoacrylate-contrast medium mixture). Part 1 (author's transl)] Stösslein F, et al. **Radiol Diagn (Berl)** 1981; 22(5):595–601 (Eng. Abstr.) **(Ger)**
[Transrenal ureteric embolisation. Experimental and clinical results (author's transl)] Günther R, et al. **ROFO** 1980 Nov; 133(5):471–6 (Eng. Abstr.) **(Ger)**
[Radionuclide angiography (RNA) with 99mTc-DTPA to follow palliative embolization of renal cell carcinoma (author's transl)] Moser E, et al. **ROFO** 1981 Sep; 135(3):267–74 (Eng. Abstr.) **(Ger)**
[Experience with transrenal ureteral occlusion (author's transl)] Wanner K, et al. **Urologe [Ausg A]** 1981 Sep; 20(5):265–8 (Eng. Abstr.) **(Ger)**
[Successful treatment of a massive postoperative hemorrhage in a solitary kidney by 'temporary' percutaneous transcatheter embolization] Carmignani G, et al. **Z Urol Nephrol** 1981 Oct;74(10):731–4 **(Ger)**
[Preoperative renal artery embolization of malignant tumors in external patients] Stösslein F, et al. **Z Urol Nephrol** 1981 Oct;74(10):721–8 (Eng. Abstr.) **(Ger)**
[Catheter embolization of apudoma liver metastases] Horváth L, et al. **Orv Hetil** 1982 Jun 6;123(23):1423–6 **(Hun)**
[Embolization of cerebral angiomas. Prospects and limitations] Esposito S, et al. **Riv Neurobiol** 1980 Apr–Jun; 26(2):228–35 (Eng. Abstr.) **(Ita)**
[A case report of multi-transcatheter embolization of renal cell carcinoma (author's transl)] Fujii A, et al. **Nippon Hinyokika Gakkai Zasshi** 1981 Jun;72(6):752–7 (Eng. Abstr.) **(Jpn)**
[Gas formation in the hepatomas treated by hepatic arterial embolisation --a report of three cases (author's transl)] Itami M, et al. **Nippon Igaku Hoshasen Gakkai Zasshi** 1981 Mar;41(3):187–93 (Eng. Abstr.) **(Jpn)**
[Evaluation of arterial embolization therapy for hepatocellular carcinoma by ultrasonography (author's transl)] Ohishi H, et al. **Nippon Igaku Hoshasen Gakkai Zasshi** 1982 Jan 25; 42(1):8–15 (Eng. Abstr.) **(Jpn)**
[An autopsy case of hepatic cell carcinoma surviving for two and a half years after 'embolization therapy' (author's transl)] Kanno T, et al. **Nippon Shokakibyo Gakkai Zasshi** 1982 Jan;79(1):107–11 **(Jpn)**
[An autopsy case of hepatocellular carcinoma following transcatheter arterial embolization (author's transl)] Kusugami K, et al. **Nippon Shokakibyo Gakkai Zasshi** 1981 Nov;78(11):2183–8 (Eng. Abstr.) **(Jpn)**
[Therapeutic embolization in urinary system neoplasms (author's transl)] Karwowski A. **Pol Przegl Radiol** 1981 Mar-Apr;45(2):109–14 (Eng. Abstr.) **(Pol)**
[Embolization of the splenic artery for treatment of acute 'cor pulmonale' following selective portal decompression in patients with hepatosplenic schistosomiasis and pulmonary hypertension] Abrantes WL, et al. **AMB** 1981 Mar;27(3):110 **(Por)**
[(Transcatheter) angiographic arterial embolization, a new method of vascular hemostasis for the control of massive hemorrhage in gynecology and obstetrics] Negură A. **Rev Med Chir Soc Med Nat Iasi** 1981 Jul–Sep;85(3):537–40 **(Rum)**
[Therapeutic embolization of the renal arteries in chronic kidney failure before and after kidney transplant] Rabkin IKh, et al. **Vestn Khir** 1981 Nov;127(11):51–6 (Eng. Abstr.) **(Rus)**
[Arrest of persistent post-traumatic nosebleed by occlusion of the terminal branches of the internal maxillary artery] Zberovskaia NV, et al. **Vestn Otorinolaringol** 1981 Nov-Dec;(6):68–9 **(Rus)**
[Catheterization embolization in malignant kidney tumors] Moskvichev VG, et al. **Vestn Rentgenol Radiol** 1981 Nov-Dec;(6):53–6 (Eng. Abstr.) **(Rus)**
[Renal artery embolization in treating tumorous diseases of the kidneys] Potashov LV, et al. **Vopr Onkol** 1982; 28(4):38–42 (16 ref.) (Eng. Abstr.) **(Rus)**
[Surgical treatment of arteriovenous aneurysms of the dura mater] Nekipelov EF. **Zh Vopr Neirokhir** 1981 Jul–Aug; (4):34–7 (Eng. Abstr.) **(Rus)**
[Deferred nephrectomy following embolization in a renal tumor] Ferrer Roda J. **Actas Urol Esp** 1981 Jul–Aug; 5(4):239–42 (Eng. Abstr.) **(Spa)**
[Histology of the embolized tumorous kidney] Jiménez Cruz JF, et al. **Actas Urol Esp** 1981 Jul–Aug;5(4):243–65 (Eng. Abstr.) **(Spa)**
[Embolization of renal tumors] Virseda JA, et al. **Actas Urol Esp** 1982 Jan–Feb;6(1):37–42 (Eng. Abstr.) **(Spa)**

ADVERSE EFFECTS

Severe complications following partial splenic embolization [letter] Spigos D. **Br J Radiol** 1982 Apr;55(652):320

Conservative management of unintentional distal embolization following intravascular occlusive therapy. Kaisary AV, et al. **Br J Surg** 1982 Jul;69(7):422

Infarction after embolization of the ileocolic artery. Gerlock AJ Jr, et al. **Cardiovasc Intervent Radiol** 1981;4(3):202–5

Colonic ischemic necrosis following therapeutic embolization. Shenoy SS, et al. **Gastrointest Radiol** 1981; 6(3):235–7

Spinal cord damage as a complication of renal artery embolization in patients with renal carcinoma. Milewski JB, et al. **Int Urol Nephrol** 1981;13(3):221–9

Vesicovaginal fistula following hypogastric embolization for control of intractable pelvic hemorrhage. Behnam K, et al. **J Reprod Med** 1982 May;27(5):304–6

The risk of hepatic artery embolization in the presence of obstructive jaundice. Doppman JL, et al. **Radiology** 1982 Apr;143(1):37–43

Systemic embolization as a complication of transhepatic venography. Ellman BA, et al. **Radiology** 1981 Oct; 141(1):67–71

Removal of partially extruded steel coils. Herrera M, et al. **Radiology** 1982 Aug;144(3):644–5

Postembolic colonic infarction. Rosenkrantz H, et al. **Radiology** 1982 Jan;142(1):47–51

[Trans-catheter extraction of dispersed embolization material] Günther R. **ROFO** 1980 Nov;133(5):551–2 **(Ger)**

[Complications of transcatheteral occlusion of abdominal arteries (author's transl)] Vogel H, et al. **Rontgenblatter** 1981 Sep;34(9):342–50 **(Ger)**

[A new sign in the post-embolization syndrome] Navio Niño S, et al. **Actas Urol Esp** 1981 Jul–Aug;5(4):247–50 (Eng. Abstr.) **(Spa)**

INSTRUMENTATION

Two different calibrated-leak balloons: experimental work and application in humans. Debrun GM, et al. **AJNR** 1982 Jul–Aug;3(4):407–14

Embolization of a dural arteriovenous malformation using Gianturco coils. Han SS, et al. **AJNR** 1982 May–Jun; 3(3):341–3

Nontapered introducer catheters for embolotherapy. White RI Jr. **AJR** 1982 Sep;139(3):620–2

Balloon embolization of the sphenopalatine artery in a case of a juvenile angiofibroma. Clinical aspects. Edner G, et al. **Arch Otorhinolaryngol** 1982;234(3):225–33

Coilon removal. Castaneda-Zuniga WR, et al. **Cardiovasc Intervent Radiol** 1982;5(2):69–70

Single barbed stainless steel coils for venous occlusion: a simple but useful modification. Castaneda-Zuniga WR, et al. **Invest Radiol** 1982 Mar–Apr;17(2):186–8

Balloon occlusion of the internal spermatic vein for the treatment of varicoceles. Walsh PC, et al. **JAMA** 1981 Oct 9;246(15):1701–2

Detachable balloon catheter systems for embolization of cerebrovascular lesions. Taki W, et al. **Neurol Med Chir (Tokyo)** 1981 Jul;21(7):709–19

Embolotherapy of pulmonary arteriovenous malformations with detachable balloons. Barth KH, et al. **Radiology** 1982 Mar;142(3):599–606

Gelatin sponge in therapeutic neuroradiology: a subject review. Berenstein A, et al. **Radiology** 1981 Oct; 141(1):105–12 (16 ref.)

Experimental venous occlusion with stainless-steel spiders. Castaneda-Zuniga WR, et al. **Radiology** 1981 Oct; 141(1):238–42

The coil baffle in the experimental occlusion of large vascular structures. Chuang VP, et al. **Radiology** 1982 Apr; 143(1):25–8

[Therapeutic embolization by angiographic catheter (author's transl)] Rupp N. **Langenbecks Arch Chir** 1981;355:491–4 (Eng. Abstr.) **(Ger)**

[A simplified technique for therapeutic vascular embolisation with a spiral (author's transl)] Banzer D, et al. **ROFO** 1982 Feb;136(2):202–5 **(Ger)**

METHODS

Homologous controlled-viscosity fibrin for endovascular embolization. Part I. Experimental development of the medium. Richling B. **Acta Neurochir (Wien)** 1982; 62(3–4):159–70

Transcatheter embolization of abdominal aortic aneurysms. Carrasco H, et al. **AJR** 1982 Apr;138(4):729–33

Therapeutic Ivalon embolization of hepatic tumors. Chuang VP, et al. **AJR** 1982 Feb;138(2):289–94

Transhepatic embolization in patients with acute variceal hemorrhage. Turner WW Jr, et al. **Am J Surg** 1981 Dec; 142(6):731–4

Renal embolization. Indications and material. Kauffmann GW, et al. **Ann Radiol (Paris)** 1981 Jun–Jul;24(5):386–9

New liquid and semiliquid embolizing substances for tumour embolization. An experimental study. Novak D, et al. **Ann Radiol (Paris)** 1981 Jun–Jul;24(5):428–31

Palliative embolization in renal tumours using contrast-labeled materials. Follow-up observation by angiography and computed tomography. Weber J, et al. **Ann Radiol (Paris)** 1981 Jun–Jul;24(5):400–3

Arteriovenous vertebral fistulae: cure by combination of operation and detachable intravascular balloon. Berguer R, et al. **Ann Surg** 1982 Jul;196(1):65–8

Embolization of bleeding esophageal varices via umbilical vein. An alternative approach. Sparks FC, et al. **Arch Surg** 1982 Mar;117(3):354–8

Emergency transumbilical embolization of bleeding esophageal varices. Tauber JW, et al. **Arch Surg** 1982 May; 117(5):624–9

Transhepatic injection of varices. Dick R. **Br J Hosp Med** 1981 Oct;26(4):340, 342–3, 345–7

Control of postoperative renal hemorrhage by embolization with a Gianturco coil. Ankenman GJ, et al. **Can J Surg** 1982 May;25(3):269–71

Transcatheter embolization in the management of intractable uremic epistaxis. Gagnon RF, et al. **Can Med Assoc J** 1982 Jan 15;126(2):158–9

Localization of gelfoam emboli after partial splenic embolization utilizing 99mTc-labeled emboli. Berger JL, et al. **Cardiovasc Intervent Radiol** 1982;5(1):20–4

Carotid artery occlusion in the management of selected giant intracranial aneurysms and carotid cavernous fistula: percutaneous use of the balloon catheter. Kessler LA, et al. **Cardiovasc Intervent Radiol** 1981;4(3):187–92

Angiography and embolization. Felker CE 3d. **Ear Nose Throat J** 1981 Oct;60(10):57

Embolization techniques in vascular tumors of the head and neck. Thompson JN, et al. **Head Neck Surg** 1979 Sept–Oct; 2(1):25–34

Transcatheter therapeutic arterial embolization of renal tumours. Malik N, et al. **Indian J Cancer** 1981 Sep; 18(3):218–21

Preoperative arterial occlusion in renal tumors: 3 years experience. Mobilio G, et al. **Int Urol Nephrol** 1981; 13(1):25–33

Therapeutic embolization of polycystic kidneys. Sorrentino F, et al. **Int Urol Nephrol** 1981;13(1):35–40

Effect of increasing current and decreasing blood flow for transcatheter electrocoagulation (TCEC). Ralston MD, et al. **Invest Radiol** 1982 Mar–Apr;17(2):171–7

Transcatheter embolization with Gelfoam and Avitene: the effect of Sotradecol on the duration of arterial occlusion. Sniderman KW, et al. **Invest Radiol** 1981 Nov–Dec; 16(6):501–7

Post-traumatic priapism – successful treatment by percutaneous catheter embolization. McLeod RE, et al. **J Can Assoc Radiol** 1981 Dec;32(4):238–9

Pharyngeal hemorrhage: control by transcatheter arterial embolization. Waddell TH, et al. **J Kans Med Soc** 1982 Feb;83(2):53–4, 82

Embolization in otolaryngology. Kingsley D, et al. **J Laryngol Otol** 1982 May;96(5):439–50

Embolization of cerebral arteriovenous malformations with bucrylate. Debrun G, et al. **J Neurosurg** 1982 May; 56(5):615–27

Transcatheter control of renal hemorrhage following renal biopsy. Spigos DG, et al. **J Pediatr Surg** 1982 Jun; 17(3):321–3

Correction of hypersplenism without splenectomy. White JJ, et al. **J Pediatr Surg** 1981 Dec;16(6):967

Endobronchial blockade [letter] Okadigwe CI, et al. **J Thorac Cardiovasc Surg** 1982 Jul;84(1):152–3

Nonoperative management of a traumatic peroneal artery false aneurysm. Edwards H, et al. **J Trauma** 1982 Apr; 22(4):323–6

Embolotherapy of a ruptured internal mammary artery secondary to blunt chest trauma. Smith DC, et al. **J Trauma** 1982 Apr;22(4):333–5

Massive postoperative bleeding in a solitary kidney successfully treated by salvage clot embolization. Carmignani G, et al. **J Urol** 1981 Sep;126(3):400–2

Transcatheter embolization of advanced renal cell carcinoma with radioactive seeds. Lang EK, et al. **J Urol** 1981 Nov; 126(5):581–6

Renal devitalization using 95 per cent ethyl alcohol. Rosenkrantz H, et al. **J Urol** 1982 May;127(5):873–5

Treatment of idiopathic varicoceles by transfemoral testicular vein occlusion. Weissbach L, et al. **J Urol** 1981 Sep; 126(3):354–6

Tumor chemoembolization: target-directed drug delivery or tumor embolization? [letter] Widder D. **JAMA** 1981 Nov 13;246(19):2153

EEG controlled occlusion of the internal carotid artery during angiography. Hacke W, et al. **Neuroradiology** 1981; 22(1):19–22

Transcatheter embolization for arteriovenous malformations and fistulae. Numaguchi Y, et al. **Nippon Igaku Hoshasen Gakkai Zasshi** 1982 Jan 25; 42(1):16–26

Hepatic artery embolization in 32 patients with unresectable hepatoma. Yamada R, et al. **Osaka City Med J** 1980; 26(2):81–96

Surgical treatment of giant hemangioma of the facial region after arterial embolization. Schrudde J, et al. **Plast Reconstr Surg** 1981 Dec;68(6):878–89

Gelfoam powder embolization of the hepatic artery in liver metastases of carcinoid tumors. Lunderquist A, et al. **Radiologe** 1982 Feb;22(2):65–70

Ablation of renal tumors with absolute ethanol: a new technique. Ellman BA, et al. **Radiology** 1981 Dec; 141(3):619–26

Ivalon shavings: technical considerations of a new embolic agent. Herrera M, et al. **Radiology** 1982 Aug;144(3):638–40

Obliteration of gastrooesophageal collaterals in portal hypertension by means of ferromagnetic powder and a magnetic oesophageal tube. Animal experiment. Steinhart L, et al. **Sb Ved Pr Lek Fak Univ Karlovy** 1981;24(4):511–9

Therapeutic embolization. Techniques and clinical application. Spigos DG, et al. **Surg Annu** 1981;13:361–81 (196 ref.)

New embolization method using estrogen for dural arteriovenous malformation and meningioma. Suzuki J, et al. **Surg Neurol** 1981 Dec;16(6):438–42

Transvenous embolization of the internal spermatic veins for the treatment of varicocele scroti. Gonzalez R, et al. **Urol Clin North Am** 1982 Feb;9(1):177–84

Renal artery embolization with polyvinyl alcohol foam particles. Belis JA, et al. **Urology** 1982 Feb;19(2):224–7

[Embolization of the renal artery as a therapeutic method in renal carcinoma] Minkov N, et al. **Khirurgiia (Sofiia)** 1982;35(1):50–4 (Eng. Abstr.) **(Bul)**

[Arterial embolization in tumors of the urogenital system] Viktorov I, et al. **Khirurgiia (Sofiia)** 1982;35(1):55–9 (Eng. Abstr.) **(Bul)**

[Therapeutic arterial embolization and hyperthermia (author's transl)] Doyon D. **Bull Cancer (Paris)** 1981; 68(3):295 **(Fre)**

[Embolization of a carotidocavernous fistula. Immediate results and therapeutic trends] Resal R, et al. **Bull Soc Ophtalmol Fr** 1981 Nov;81(11):1013–5 **(Fre)**

[Bronchial arteriography in the localization and treatment of haemoptysis. Report of 34 observations (author's transl)] Viau F, et al. **Rev Fr Mal Respir** 1981;9(5):393–401 (Eng. Abstr.) **(Fre)**

[Interventional radiology. Indications and results] Peters PE. **Internist (Berlin)** 1982 Feb;23(2):106–17 **(Ger)**

[Long-time results and risks of intervention radiology for urogynecological tumors and tumor recurrences (author's transl)] Köhler K, et al. **Radiol Diagn (Berl)** 1982 Mar; 23(2):266–71 (Eng. Abstr.) **(Ger)**

[Simple application of tissue-adhesive contrast-medium mixtures for transversal tumour embolization (author's transl)] Stösslein F, et al. **Radiol Diagn (Berl)** 1981; 22(6):729–33 (Eng. Abstr.) **(Ger)**

[Bleeding intrarenal pseudodiverticulum: successful superselective embolization (author's transl)] Janson R, et al. **Rontgenblatter** 1982 Sep;35(9):345–7 (Eng. Abstr.) **(Ger)**

[Criteria for diagnostic and therapeutic methods of vascular embolization (kidneys, spleen, liver) (author's transl)] Schuster R, et al. **Rontgenblatter** 1982 Apr;35(4):139–45 (Eng. Abstr.) **(Ger)**

[Experiences with coagulum pyelolithotomy using autoplasma cryoprecipitate] Baumüller A, et al. **Z Urol Nephrol** 1981 Nov;74(11):781–5 (Eng. Abstr.) **(Ger)**

[Renal artery embolization by the Gianturco method] Papadopoulos I, et al. **Z Urol Nephrol** 1982 Apr; 75(4):229–36 (Eng. Abstr.) **(Ger)**

[Experience with catheter embolisation in urologic diseases] Engloner L, et al. **Orv Hetil** 1981 Sep 20;122(38):2339–42 **(Hun)**

[An experience of transcatheter embolization through bronchial artery for a patient with severe hemoptysis (author's transl)] **Kyobu Geka** 1981 Feb;34(2):133–8 (Eng. Abstr.) **(Jpn)**

[Experimental and clinical studies on superselective angiography and embolization using balloon catheter systems (author's transl)] Taki W. **Nippon Geka Hokan** 1980 Sep 1;49(5):637–62 (Eng. Abstr.) **(Jpn)**

[Transcatheter arterial embolization with absolute ethanol (author's transl)] Kobayashi H, et al. **Nippon Igaku Hoshasen Gakkai Zasshi** 1982 Mar 25; 42(3):317–20 (Eng. Abstr.) **(Jpn)**

[Evaluation of gelatin sponge and stainless steel coil in the arterial embolization for Grawitz tumor (author's transl)] Nakatsuka H, et al. **Nippon Igaku Hoshasen Gakkai Zasshi** 1981 May 25; 41(5):409–16 (Eng. Abstr.) **(Jpn)**

[Transcatheter hepatic artery embolization in 60 patients with hepatocellular carcinoma studies on angiographic features (author's transl)] Yamada R, et al. **Nippon Igaku Hoshasen Gakkai Zasshi** 1981;41(8):742–50 (Eng. Abstr.) **(Jpn)**

[Clinical application of microencapsulated antineoplastic agents] Kato T, et al. **Nippon Rinsho** 1982 Feb;40(2):478–88 (17 ref.) **(Jpn)**

[Transcatheter arterial embolization therapy (author's transl)] Yamada R, et al. **Nippon Rinsho** 1982;40(1):183–90 **(Jpn)**

[The clinical application of intracranial artery canulation technique (author's transl)] Negoro M, et al. **No Shinkei Geka** 1982 Mar;10(3):271–7 (Eng. Abstr.) **(Jpn)**

[Palliative embolization by a catheter in patients with carcinoma of the urinary bladder--experience in clinical practice (author's transl)] Jakovac I, et al. **Lijec Vjesn** 1981 Dec;103(12):550–4 (Eng. Abstr.) **(Scr)**

MORTALITY

[Complication of renal artery embolization in kidney sarcoma] Kosoi GKh, et al. **Arkh Patol** 1982;44(1):70–2 (Eng. Abstr.) **(Rus)**

see related
CELL DIFFERENTIATION
GESTATIONAL AGE

Spontaneous abortion. A study of 1,961 women and their conceptuses. Poland BJ, et al. **Acta Obstet Gynecol Scand [Suppl]** 1981;102:1–32

Non-random position of the A–T rich DNA sequences in early embryos of Drosophila virilis. Ellison JR, et al. **Chromosoma** 1981;83(4):555–61

Rapid thawing of rabbit embryos after storage at −196 degrees C. Landa V. **Folia Biol (Praha)** 1982;28(1):67–73

Local effects of PGF2 alpha and embryonic extracts on luteal function in swine. Ball GD, et al. **J Anim Sci** 1982 Jan; 54(1):150–4

Bilateral luteal maintenance in unilaterally pregnant pigs with infusions of embryonic extracts. Ball GD, et al. **J Anim Sci** 1982 Jan;54(1):142–9

The effect of embryonal and early fetal calf thymuses on blood changes and well-being in human beings. Czaplicki J, et al. **Thymus** 1982 Feb;4(2):115–7

[Introduction to the study of embryonic stages in man] O'Rahilly R, et al. **Bull Assoc Anat (Nancy)** 1981 Jun; 65(189):141–236 (Eng. Abstr.) **(Fre)**

ANALYSIS

Mouse embryonic transforming growth factors related to those isolated from tumor cells. Twardzik DR, et al. **Cancer Res** 1982 Feb;42(2):590–3

Sequence homology between polyadenylated mRNAs from transplantable mouse tumours of different origin, as compared to mRNAs from normal adult or embryonic tissues. Mercier G, et al. **Eur J Biochem** 1982 Apr 1; 123(2):407–14

Isolation and identification of paramyosin from amphioxus notochord. Castellani-Ceresa L, et al. **J Muscle Res Cell Motil** 1982 Mar;3(1):75–85

Immunohistochemical characterization of renin-containing cells in the human juxtaglomerular apparatus during embryonal and fetal development. Phat VN, et al. **Lab Invest** 1981 Nov;45(5):387–90

[Study of the catecholamines in the notochord of Anura Amphibia embryos. Its possible relationships with the adenyl-cyclase activity and the primordial germ cells migration (author's transl)] Raïs R, et al. **Arch Anat Microsc Morphol Exp** 1981;70(3):149–60 (Eng. Abstr.) **(Fre)**

[Experimental study of the transplacental transport of gentamycin] Nichoga LA, et al. **Akush Ginekol (Mosk)** 1982 Jan;(1):50–1 **(Rus)**

[Normal 17-day human embryo. Qualitative and quantitative characteristics of protein components] Shapovalov IuN, et al. **Arkh Anat Gistol Embriol** 1981 Jul;81(7):102–10 (Eng. Abstr.) **(Rus)**

[Animal analog of human embryonal prealbumin-1 (EPA-1)] Kalashnikov VV, et al. **Biull Eksp Biol Med** 1981 Jul; 92(7):55–7 (Eng. Abstr.) **(Rus)**

[Animal analogs of human embryonal prealbumin-2] Kalashnikov VV, et al. **Biull Eksp Biol Med** 1981 Jul; 92(7):62–4 (Eng. Abstr.) **(Rus)**

ANATOMY & HISTOLOGY

Structural changes associated with freezing of bovine embryos. Mohr LR, et al. **Biol Reprod** 1981 Dec; 25(5):1009–25

Formation of viable chimaeras by aggregation between teratocarcinomas and preimplantation mouse embryos. Stewart CL. **J Embryol Exp Morphol** 1982 Feb;67:167–79

Perinotochordal sheath of heterozygous and homozygous Danforth's short-tail mice. Center EM, et al. **J Hered** 1982 Jul–Aug;73(4):299–300

The problem of periodic patterns in embryos. Cooke J. **Philos Trans R Soc Lond [Biol]** 1981 Oct 7;295(1078):509–24

CYTOLOGY

A stem-line model for cellular and chromosomal differentiation in early mouse-development. Monk M. **Differentiation** 1981;19(2):71–6

Asymmetric division of immature lymphoid cells of the embryonic mouse thymus. Sugimoto M, et al. **Immunol Lett** 1981 Aug;3(3):115–20

Cytoskeletal coordination and intercellular signalling during metazoan embryogenesis. Tucker JB. **J Embryol Exp Morphol** 1981 Oct;65:1–25 (114 ref.)

Ploidy of human embryonic fibroblasts during in vitro aging. Matsuo M, et al. **J Gerontol** 1982 Jan;37(1):33–7

Macromolecular insoluble cold globulin (MICG): a marker for embryonic prothymocytes in the mouse. Batuman OA, et al. **J Immunol** 1981 Dec;127(6):2560–5

[Cytology of the swine embryo] Roschlau K, et al. **Arch Exp Veterinarmed** 1982 Jan;36(1):129–31 (Eng. Abstr.) **(Ger)**

DRUG EFFECTS

Indomethacin--placental transfer, cytotoxicity, and teratology in the rat. Klein KL, et al. **Am J Obstet Gynecol** 1981 Oct 15;141(4):448–52

An approach towards to standardization of the mammalian spot test. Neuhäuser-Klaus A. **Arch Toxicol** 1981 Nov; 48(4):229–43

The embryotoxicity of a new class of antispermatogenic agents: the 3-indazole-carboxylic acids. Scorza Barcellona P, et al. **Arch Toxicol [Suppl]** 1982;5:197–201

Alpha-difluoromethylornithine as a postcoitally effective antifertility agent in female rats. Reddy PR, et al. **Contraception** 1981 Aug;24(2):215–21

The influence of embryonic testosterone treatment on bursal epithelial pinocytotic activity. Beezhold DH, et al. **Dev Comp Immunol** 1982 Winter;6(1):121–30

Effect of high molecular levan on implantation and embryonic development in mice. Fein A, et al. **Isr J Med Sci** 1981 Dec;17(12):1127–31

Effects of serum on swine morulae and blastocysts in vitro. Robl JM, et al. **J Anim Sci** 1981 Jun;52(6):1450–6

Effect of Li+ on preimplantation mouse embryos. Izquierdo L, et al. **J Embryol Exp Morphol** 1982 Feb;67:51–8

Calcium and wound healing in Xenopus early embryos. Stanisstreet M. **J Embryol Exp Morphol** 1982 Feb; 67:195–205

Protection against ethanol-induced embryonic damage by administering gamma-linolenic and linoleic acids. Varma PK, et al. **Prostaglandins Leukotrienes Med** 1982 Jun; 8(6):641–5

Fetal alcohol syndrome: embryogenesis in a mouse model. Sulik KK, et al. **Science** 1981 Nov 20;214(4523):936–8

In vitro testing of teratogenic agents using mammalian embryos. Kochhar DM. **Teratogenesis Carcinog Mutagen** 1980;1(1):63–74 (35 ref.)

Teratogenicity and embryotoxicity of nickel carbonyl in Syrian hamsters. Sunderman FW Jr, et al. **Teratogenesis Carcinog Mutagen** 1980;1(2):223–33

Effects of maternal exposure to toluene during pregnancy on mouse embryos and fetuses. Shigeta S, et al. **Tokai J Exp Clin Med** 1982 Mar;7(2):265–70

Sensitivity of early mouse embryos to methylmercury toxicity. Matsumoto N, et al. **Toxicol Appl Pharmacol** 1982 Jun 15;64(1):108–17

The effect of lentinan on the in utero embryonic and foetal development of the rat and on postnatal development of the F1 offspring. Cozens DD, et al. **Toxicol Lett** 1981 Sep; 9(1):71–6

Toxicity of chromium salts to cultured mouse embryos. Jacquet P, et al. **Toxicol Lett** 1982 Jun;12(1):53–7

[Embryotropic action of the triazine herbicide polyzin 50] Mirkova E, et al. **Probl Khig** 1981;6:36–43 (Eng. Abstr.) **(Bul)**

[General schema for safety evaluation of residues of embryotoxic drugs (author's transl)] Delatour P, et al. **Ann Rech Vet** 1981;12(2):215–8 (Eng. Abstr.) **(Fre)**

[Effects of propham and chlorpropham on the embryonic development of various vertebrates] Caporiccio B, et al. **C R Soc Biol (Paris)** 1981;175(6):811–20 (Eng. Abstr.) **(Fre)**

[Changes in the nucleic acid content of rat embryos incubated in vitro as affected by 17-beta-estradiol] Dmitrieva LV, et al. **Akush Ginekol (Mosk)** 1981 Nov;(11):54–5 **(Rus)**

[Embryotoxic effect of 7-oxa-13-prostynoic acid (prostaglandin antagonist) in the period of preimplantation development] Lukin VA, et al. **Akush Ginekol (Mosk)** 1981 Jun;(6):11–4 (Eng. Abstr.) **(Rus)**

[Comparative study of the direct embryotoxic effect of alcohol and its metabolite acetaldehyde during organogenesis] Skosyreva AM. **Akush Ginekol (Mosk)** 1982 Jan;(1):49–50 **(Rus)**

[Effect on embryogenesis of a new antiallergic agent bikarfen] Gus'kova TA, et al. **Farmakol Toksikol** 1981 Nov-Dec; 44(6):721–3 **(Rus)**

[Time periods for the realization of the embryotoxic action of cyciophosphamide and chloridin in vivo and in vitro] Popov VB. **Farmakol Toksikol** 1982 Jan–Feb;45(1):79–83 (Eng. Abstr.) **(Rus)**

[Effect of anabasine hydrochloride on embryogenesis in white rats and rabbits] Riabchenko VP. **Farmakol Toksikol** 1982 Jan–Feb;45(1):87–90 (Eng. Abstr.) **(Rus)**

[Teratogenic and embryotoxic properties of drugs and alcohol] Skosyreva AM. **Farmakol Toksikol** 1982 Jan–Feb; 45(1):83–6 (Eng. Abstr.) **(Rus)**

[Methodological approaches to the study of the effects of prenatal drug exposure on the development of the progeny (a review of the literature)] Smol'nikova NM. **Farmakol Toksikol** 1982 Jan–Feb;45(1):100–4 (39 ref.) **(Rus)**

[Influence of long-wave ultraviolet radiation on the experimental mutagenic and embryotoxic effects of chemicals] Prokopenko IuI, et al. **Gig Sanit** 1981 Jul; (7):12–5 (Eng. Abstr.) **(Rus)**

[Experimental study of the effect of 2,4-dinitroaniline on embryogenesis] Khipko SE, et al. **Gig Tr Prof Zabol** 1982 Jun;(6):47–9 **(Rus)**

[Late sequelae of vinyl chloride action on embryogenesis] Sal'nikova LS, et al. **Gig Tr Prof Zabol** 1981;(12):56 **(Rus)**

[Implantation and deciduation process after the action of the antihistamine preparation diprazin in early rat embryogenesis] Samoshkina NA, et al. **Ontogenez** 1981; 12(6):596–604 (Eng. Abstr.) **(Rus)**

ENZYMOLOGY

Activity of some enzymes involved in 'adenylate cycle' in rat embryo cells infected with parvoviruses (X14, H-1). Avola R, et al. **Boll Soc Ital Biol Sper** 1981 Nov 30; 57(22):2241–7

Carbonic anhydrase distribution in rodent embryos and its relationship to acetazolamide teratogenesis. Schreiner CM, et al. **J Histochem Cytochem** 1981 Oct;29(10):1213–8

Apurinic DNA endonucleases from Drosophila melanogaster embryos. Spiering AL, et al. **MGG** 1981;183(1):171–4

IMMUNOLOGY

Role of uteroglobin and transglutaminase in masking the antigenicity of implanting rabbit embryos. Mukherjee AB, et al. **Am J Reprod Immunol** 1982 Jun;2(3):135–41

Early events in the development of the immune system of Xenopus laevis: characterization of lymphocytes in two-day-old embryos. Bruning H, et al. **Dev Comp Immunol** 1981 Fall;5(4):607–16

Detection of Thy-1, T-200, Lyt-1 and Lyt-2-bearing cells in the developing lymphoid organs of the mouse embryo in vivo and in vitro. Van Ewijk W, et al. **Eur J Immunol** 1982 Apr;12(4):262–71

Ontogeny of murine I-Ak antigens in tissue of nonlymphoid origin. Natali PG, et al. **Immunogenetics** 1981;14(5):359–65

Specificity of H-2 antigens expressed on mouse blastocysts. Cozad KM, et al. **J Exp Zool** 1981 Dec;218(3):313–20

Detection of H-2 antigens on 8-cell mouse embryos. Cozad KM, et al. **J Exp Zool** 1982 Jun 10;221(2):213–7

Neutral glycolipid antigens as developmental markers of mouse teratocarcinoma and early embryos: an immunologic and chemical analysis. Willison KR, et al. **J Immunol** 1982 Aug;129(2):603–9

From the NIH: Two maternal proteins may protect mammalian embryo from immunologic rejection during early pregnancy. **JAMA** 1981 Nov 6;246(18):2025

Immunologic relatedness of intracisternal A-particles in mouse embryos and neoplastic cell lines. Huang TT Jr, et al. **JNCI** 1982 Apr;68(4):643–9

Placental and embryo cells can induce the generation of cytotoxic lymphocytes in vitro. Toder V, et al. **Transplantation** 1982 Feb;33(2):196–8

METABOLISM

Prostaglandin formation by the sheep embryo and endometrium as an indication of maternal recognition of pregnancy. Marcus GJ. **Biol Reprod** 1981 Aug;25(1):56–64

Pool and synthesis of phosphoribosylpyrophosphate in rat embryo cells infected with X14 or H-1 parvovirus. Avola R, et al. **Boll Soc Ital Biol Sper** 1981 Nov 30;57(22):2235–40

Down-regulation of epidermal growth factor receptors in mouse embryos. Adamson ED, et al. **Dev Biol** 1982 Apr; 90(2):430–4

The location and synthesis of transferrin in mouse embryos and teratocarcinoma cells. Adamson ED. **Dev Biol** 1982 Jun;91(2):227–34

Synthesis of steroids in postimplantation mouse embryos cultured in vitro. Carson DD, et al. **Dev Biol** 1982 Jun; 91(2):402–12

Program of early development in the mammal: post-transcriptional control of a class of proteins synthesized by mouse oocytes and early embryos. Cascio SM, et al. **Dev Biol** 1982 Feb;89(2):397–408

The production of distinct forms of plasminogen activator by mouse embryonic cells. Marotti KR, et al. **Dev Biol** 1982 Mar;90(1):154–9

Quantitative changes in total RNA, total poly(A), and ribosomes in early mouse embryos. Piko L, et al. **Dev Biol** 1982 Feb;89(2):362–78

The incorporation of uridine label into the RNA of mouse embryo cells does not always reflect the labelling of the major cellular UTP pool. Piper PW. **FEBS Lett** 1981 Aug 31;131(2):373–6

Developmental expression of murine extra-embryonic endodermal cytoskeletal proteins. Oshima RG. **J Biol Chem** 1982 Apr 10;257(7):3414–21

The role of the visceral yolk sac in mediating protein utilization by rat embryos cultured in vitro. Freeman SJ, et al. **J Embryol Exp Morphol** 1981 Dec;66:223–34

Turnover of embryonic messenger RNA in preimplantation mouse embryos. Kidder GM, et al. **J Embryol Exp Morphol** 1982 Feb;67:37–49

Analysis of perinotochordal materials. I. Studies on proteoglycans synthesis. Vasan N. **J Exp Zool** 1981 Feb; 215(2):229–33

Prostaglandin production by ovine embryos and endometrium in vitro. Hyland JH, et al. **J Reprod Fertil** 1982 Jul;65(2):299–304

Synthesis of alpha-fetoprotein by the pre-implantation and post-implantation bovine embryo. Janzen RG, et al. **J Reprod Fertil** 1982 May;65(1):105–10

Protein synthesis in microsurgically produced androgenetic and gynogenetic mouse embryos. Petzoldt U, et al. **MGG** 1981;184(1):11–6

Measurement of prostaglandins in embryonic tissue using radioimmunoassay. Klein KL, et al. **Prostaglandins** 1981 Oct;22(4):623–30

Immunohistochemical localization of cyclic AMP during normal and abnormal chick and mouse limb development. Elmer WA, et al. **Teratology** 1981 Oct;24(2):215–23

Transfer of 2,3,7,8-tetrachlorodibenzo-p-dioxin (TCDD) to the mouse embryo and fetus. Nau H, et al. **Toxicology** 1981; 20(4):299–308

[Specificity of the protein distribution in the nucleus and

cytoplasm of the cells of provisional and definitive structures in early human embryos] Shapovalov IuN, et al. **Tsitol Genet** 1982 May-Jun;16(3):7-12 (Eng. Abstr.) **(Rus)**

MICROBIOLOGY

Experimental transmission of pseudorabies virus in swine by embryo transfer. Bolin SR, et al. **Am J Vet Res** 1982 Feb; 43(2):278-80

Early mouse embryo intracisternal particle: Fourth type of retrovirus-like particle associated with the mouse. Yotsuyanagi Y, et al. **JNCI** 1981 Sep;67(3):677-85

PHYSIOLOGY

Effect of embryos on luteolysis and termination of early pregnancy in sheep with cloprostenol. Nancarrow CD, et al. **Biol Reprod** 1982 Mar;26(2):263-9

Genetic control of very early mammalian development. Magnuson T, et al. **Biol Rev** 1981 Aug;56(3):369-408 (248 ref.)

Morphologic and neoplastic transformation of Syrian hamster embryo fibroblasts by diethylstilbestrol and its analogs. McLachlan JA, et al. **Cancer Res** 1982 Aug;42(8):3040-5

Neural plate morphogenesis and axial stretching in 'notochord-defective' Xenopus laevis embryos. Malacinski GM, et al. **Dev Biol** 1981 Dec;88(2):352-7

In vitro histogenic capacities of limb mesenchyme from various stage mouse embryos. Owens EM, et al. **Dev Biol** 1981 Dec;88(2):297-311

The genesis and transmission of epidermal potentials in an amphibian embryo. Sato E, et al. **Dev Biol** 1981 Nov; 88(1):137-46

Effects of the brachyury (T) mutation on morphogenetic movement in the mouse embryo. Yanagisawa KO, et al. **Dev Biol** 1981 Oct 30;87(2):242-8

Formation of cytoskeletal elements during mouse embryogenesis. II. Epithelial differentiation and intermediate-sized filaments in early postimplantation embryos. Jackson BW, et al. **Differentiation** 1981; 20(3):203-16

The structure of the anuran amphibian Notochord and a re-evaluation of its presumed role in early embryogenesis. Malacinski GM, et al. **Differentiation** 1982;21(1):13-21 (59 ref.)

Involvement of glycoproteins in the development of early mouse embryos: effect of tunicamycin and alpha, alpha' dipyridyl in vitro. Webb CG, et al. **Differentiation** 1981; 20(1):81-6

Development of one-cell porcine embryos in two culture systems. Menino AR Jr, et al. **J Anim Sci** 1982 Mar; 54(3):583-8

Aspects of in vitro fertilization and embryo culture in domestic animals. Wright RW Jr, et al. **J Anim Sci** 1981 Sep;53(3):702-29 (146 ref.)

Development of early somitic mouse embryos in static culture in vitro. Wan YJ, et al. **J Exp Zool** 1982 Apr 10; 220(2):219-25

Role of the polyamines in germ cell differentiation and in early embryonic development. Heby O, et al. **Med Biol** 1981 Dec;59(5-6):417-22

Embryonic migration during the prenatal development of palm print patterns. David TJ. **Med Hypotheses** 1981 May; 7(5):639-44

Ovulation rate and embryonic migration in cross-bred gilts. Kunavongkrit A, et al. **Nord Vet Med** 1982 Jan-Feb; 34(1-2):20-4

The roles of trace elements in foetal and neonatal development. Hurley LS.
Philos Trans R Soc Lond [Biol] 1981 Aug 14; 294(1071):145-52

T/t locus, its role in embryogenesis and its relation to classical histocompatibility systems. Bennett D. **Prog Allergy** 1981; 29:35-53 (55 ref.)

Nucleo-cytoplasmic interactions in oogenesis and early embryogenesis in the mouse. Tarkowski AK.
Prog Clin Biol Res 1982;85 Pt A:407-16

Tissue interactions during axial structure pattern formation in amphibia. Malacinski GM, et al.
Scan Electron Microsc 1981;(Pt 2):307-18 (34 ref.)

Integration and stable germ line transmission of genes injected into mouse pronuclei. Gordon JW, et al.
Science 1981 Dec 11;214(4526):1244-6

[New aspects of embryonic development and its possible disturbance (author's transl)] Rychter Z, et al.
Cas Lek Cesk 1981 Oct 29;120(43):1305-9 (Eng. Abstr.) **(Cze)**

[Normal human embryonic development and its sensitive periods] Karkinen-Jääskeläinen M. **Duodecim** 1981; 97(16):1226-38 **(Fin)**

[Fetal death in gilts and embryonic and fetal growth] Lutter K, et al. **Arch Exp Veterinarmed** 1981;35(5):687-95 (Eng. Abstr.) **(Ger)**

[FDA- and DAPI-tests. Evaluation of bovine embryo vitality by fluorescence microscopy] Niemann H, et al. **Berl Munch Tierarztl Wochenschr** 1981 Nov 15; 94(22):441-5 (Eng. Abstr.) **(Ger)**

[Ultrasound irradiation effects on pre-implantation embryos (author's transl)] Akamatsu N.
Acta Obstet Gynaecol Jpn 1981 Jul;33(7):969-78 (Eng. Abstr.) **(Jpn)**

[Quality of bovine ova for transplantation] Shikhov IIa, et al. **Arch Exp Veterinarmed** 1982 Jan;36(1):89-93 (Eng. Abstr.) **(Rus)**

[Model studies of the effect of structural changes in cleaving embryo on electrical parameters of cellular interactions] Dunina-Barkovskaia ALa, et al. **Biofizika** 1981 Nov-Dec; 26(6):1067-72 (Eng. Abstr.) **(Rus)**

RADIATION EFFECTS

Consequences of pre-natal radiation exposure for post-natal development. A review. Mole RH. **Int J Radiat Biol** 1982 Jul;42(1):1-12 (26 ref.)

Cytogenetic effects of protracted gamma exposures from conception of male mice. Searle AG, et al. **Mutat Res** 1982 Jul;95(1):61-8

X irradiation in G2 phase of two-cell mouse embryos in vitro: cleavage, blastulation, cell kinetics, and fetal development. Molls M, et al. **Radiat Res** 1982 Aug;91(2):219-34

[Effects of small doses of ionizing radiation on embryonic development of the mouse] Templier J, et al.
Bull Assoc Anat (Nancy) 1981 Sep;65(190):341-50 (Eng. Abstr.) **(Fre)**

[Radiodiagnosis in the pregnant woman] Laugier A, et al.
J Radiol 1981 Nov;62(11):562-5 **(Fre)**

[Embryo-fetal effects of radiations] Grio R, et al.
Minerva Ginecol 1981 Jul-Aug;33(7-8):737-40 (Eng. Abstr.) **(Ita)**

[Effect of being fed gamma-irradiated fish on embryogenesis and the chromosomes of white rats] Zaitsev AN, et al.
Vopr Pitan 1981 Nov-Dec;(6):61-3 (Eng. Abstr.) **(Rus)**

ULTRASTRUCTURE

Preferential paternal X inactivation in extraembryonic tissues of early mouse embryos. Harper MI, et al.
J Embryol Exp Morphol 1982 Feb;67:127-35

Collagen substrates for cytogenetic studies of domestic animal embryos. Popescu CP, et al. **J Hered** 1982 Mar-Apr; 73(2):147-8

Sister-chromatid exchanges in mouse embryos after exposure to ultrasound in utero. Au WW, et al. **Mutat Res** 1982 Mar;103(3-6):315-20

Microfibril formation in chick notochordal cells. Kayahara T. **Tissue Cell** 1982;14(1):171-81

Ultrastructure of the human intervertebral disc. I. Changes in notochordal cells with age. Trout JJ, et al.
Tissue Cell 1982;14(2):359-69

Ultrastructure of the yolk substance in preimplantation embryos of the gerbil. Mehrotra PK, et al.
Ups J Med Sci 1981;86(3):233-6

An electron microscopic analysis of notochordal and mesenchymal cell abnormalities in embryos of Danforth's short-tail (Sd) mice. Wilson DB, et al.
Virchows Arch [Cell Pathol] 1982;39(1):101-10

[Morphological picture of embryonal and fetal gonads versus the embryonal karyotype] Kędzia H, et al. **Ginekol Pol** 1981 Jul;52(7):573-84 (Eng. Abstr.) **(Pol)**

[Fertility and the cytogenetic analysis of the early embryogenesis stages in mice with T(16, 17)43H chromosomal translocation] Baranov VS, et al.
Genetika (Moskva) 1981;17(8):1454-60 (Eng. Abstr.) **(Rus)**

EMBRYO, CHICK see **CHICK EMBRYO**

EMBRYO, NON-MAMMALIAN

ANALYSIS

Bolton-Hunter reagent as a vital stain for developing systems. Katz MJ, et al. **Dev Biol** 1982 Apr;90(2):419-29

Lectin from embryos and oocytes of Xenopus laevis. Purification and properties. Roberson MM, et al.
J Biol Chem 1982 Jul 10;257(13):7520-4

DRUG EFFECTS

Teratogenicity testing of Parathion 20 WP, Methylparathion 18 WP and Wofatox 50 EC in Japanese quail embryos by egg immersion technique. Várnagy L.
Acta Vet Acad Sci Hung 1981;29(1):85-90

Teratological examination of agricultural pesticides on Japanese quail (Coturnix coturnix japonica) eggs. Várnagy L. **Acta Vet Acad Sci Hung** 1981;29(1):77-83

Preliminary toxicity and teratogenicity testing of captan in Japanese quail embryos. Várnagy L.
Acta Vet Acad Sci Hung 1981;29(2):193-6

Unweathered and weathered aviation kerosine: chemical characterization and effects on hatching success of duck eggs. Albers PH, et al. **Bull Environ Contam Toxicol** 1982 Apr;28(4):430-4

Responses of amphibian embryos and blastomeres to a tumor-promoting phorbol ester. Ellinger MS.
Cancer Res 1982 Jul;42(7):2804-12

Sensitivity of sea urchin embryos to cytotoxic neuropharmacological drugs, the correlations between activity and lipophility of indole and benzole derivatives. Landau MA, et al. **Comp Biochem Physiol [C]** 1981; 69(2):359-66

Effects of malathion, diazinon, and parathion on mallard embryo development and cholinesterase activity. Hoffman DJ, et al. **Environ Res** 1981 Dec;26(2):472-85

Protease-insensitive sea urchin embryo cell adhesions become protease sensitive in the presence of azide or cytochalasin B. Bertolini DR, et al.
J Supramol Struct Cell Biochem 1981;15(4):327-33

Embryotoxic and teratogenic effects of aqueous extracts of tar from a coal gasification electrostatic precipitator. Schultz TW, et al. **Teratogenesis Carcinog Mutagen** 1982; 2(1):1-11

Embryotoxic and biochemical effects of waste crankcase oil on birds' eggs. Hoffman DJ, et al.
Toxicol Appl Pharmacol 1982 Apr;63(2):230-41

Effects of fenitrothion and carbaryl on Xenopus laevis development. Elliott-Feeley E, et al. **Toxicology** 1981/82; 22(4):319-35

ENZYMOLOGY

Hatching in the pike Esox lucius L.: evidence for a single hatching enzyme and its immunocytochemical localization in specialized hatching gland cells. Schoots AF, et al.
Dev Biol 1982 Jan;89(1):48-55

[Purification and properties of ribonuclease from the eggs and embryos of the loach Misgurnus fossilis] Oleshko PS, et al. **Biokhimiia** 1981 Dec;46(12):2145-50 (Eng. Abstr.) **(Rus)**

METABOLISM

Uptake of DDT from the yolk sac into the early chick embryo as measured by gas chromatography. Swartz WJ, et al. **Bull Environ Contam Toxicol** 1981 Sep;27(3):393-6

The uptake and subcellular distribution of lead in developing sea urchin embryos. Nash WW, et al.
Comp Biochem Physiol [C] 1981;69(2):205-11

Fate of amplified nucleoli in Xenopus laevis embryos. Busby SJ, et al. **Dev Biol** 1982 Jun;91(2):458-67

Mitochondrial RNAs are abundant in the poly(A)+RNA population of early frog embryos. Dworkin MB, et al.
Dev Biol 1981 Sep;86(2):502-4

Two temporal phases for the control of histone gene activity in cleaving sea urchin embryos (S. purpuratus). Goustin AS. **Dev Biol** 1981 Oct 15;87(1):163-75

Regulation of ribosomal RNA synthesis in sea urchin embryos and oocytes. Griffith JK, et al. **Dev Biol** 1981 Oct 30;87(2):220-8

A comparison of Xenopus laevis oocyte and embryo mRNA. Rosbash M. **Dev Biol** 1981 Oct 30;87(2):319-29

[Proteolytic activity in unfertilized eggs and embryos of the loach under the effect of insulin] Iukhnovskaia NI, et al.
Ukr Biokhim Zh 1982 Mar-Apr;54(2):176-9 (Eng. Abstr.) **(Rus)**

MICROBIOLOGY

[Causes of wastage of incubated goose eggs. I. Contaminating internal bacterial flora] Cubillos A, et al.
Zentralbl Veterinarmed [B] 1981;28(2):111-7 (Eng. Abstr.) **(Spa)**

PHYSIOLOGY

Embryonic oxygen consumption and growth of Laysan and black-footed albatross. Pettit TN, et al. **Am J Physiol** 1982 Jan;242(1):R121-8

Intracellular pH and the metabolic status of dormant and developing Artemia embryos. Busa WB, et al.
Arch Biochem Biophys 1982 Jul;216(2):711-8

Shift in nucleosome populations during embryogenesis: microheterogeneity in nucleosomes during development of the sea urchin embryo. Shaw BR, et al. **Biochemistry** 1981 Aug 18;20(17):4971-8

DNA methylase during Xenopus laevis development. Adams RL, et al. **Biochim Biophys Acta** 1981 Oct 27;655(3):329-34

Cell surface proteins in the early embryogenesis of Pleurodeles waltlii. Darribere T, et al.
Biochim Biophys Acta 1982 Apr 7;686(2):145-52

Messenger RNA for ribosomal proteins in dormant and developing Artemia salina embryos. Pierandrei-Amaldi P, et al. **Biochim Biophys Acta** 1981 Oct 27;655(3):359-65

Development of Xenopus laevis embryos in a static magnetic field. Mild KH, et al. **Bioelectromagnetics** 1981;2(2):199-201

Ascidian larval tunic: Extraembryonic structures influence morphogenesis. Cloney RA, et al. **Cell Tissue Res** 1982; 222(3):547-62

Accumulation in embryogenesis of five mRNAs enriched in the ectoderm of the sea urchin pluteus. Bruskin AM, et al. **Dev Biol** 1981 Oct 30;87(2):308-18

Analysis of glial cell differentiation in peripheral nervous tissue. I. S100 Accumulation in quail embryo spinal ganglion cultures. Holton B, et al. **Dev Biol** 1982 Jan; 89(1):64-71

Alterations in cell lineage following laser ablation of cells in the somatic gonad of Caenorhabditis elegans. Kimble J. **Dev Biol** 1981 Oct 30;87(2):286-300

Neural plate morphogenesis and axial stretching in 'notochord-defective' Xenopus laevis embryos. Malacinski GM, et al. **Dev Biol** 1981 Dec;88(2):352-7

Isolation of sea urchin embryo histone H2A and immunological identification of other stage-specific H2A proteins. Newrock KM, et al. **Dev Biol** 1982 Jan; 89(1):248-53

Species specific dissociation into single cells of live sea urchin embryos by Fab against membrane components of Paracentrotus lividus and Arbacia lixula. Noll H, et al.
Dev Biol 1981 Oct 30;87(2):229-41

Sperm incorporation, the pronuclear migrations, and their

relation to the establishment of the first embryonic axis: time-lapse video microscopy of the movements during fertilization of the sea urchin Lytechinus variegatus. Schatten G. **Dev Biol** 1981 Sep;86(2):426–37

Isolation of cloned genes differentially expressed at early and late stages of Drosophila embryonic development. Scherer G, et al. **Dev Biol** 1981 Sep;86(2):438–47

Ontogeny of hematopoietic cells in Rana pipiens: precursor cell migration during embryogenesis. Turpen JB, et al. **Dev Biol** 1982 Jan;89(1):138–51

Ribosomal protein mRNAs increase dramatically during Xenopus development. Weiss YC, et al. **Dev Biol** 1981 Oct 30;87(2):330–9

Cellular commitment for post-gastrular increase in alkaline phosphatase activity in Xenopus laevis development. Miyahara K, et al. **Differentiation** 1982;21(1):45–9

DNA replication is required for tissue-specific enzyme development in ascidian embryos. Satoh N. **Differentiation** 1982;21(1):37–40

The effects of aphidicolin, an inhibitor of DNA replication, on sea urchin development. Brachet J, et al. **Exp Cell Res** 1981 Sep;135(1):179–89

Spicule formation by cultured embryonic cells from the sea urchin. Mintz GR, et al. **J Biol Chem** 1981 Dec 25; 256(24):13105–11

Induction of phosphorylation of dolichol during embryonic development of the sea urchin. Rossignol DP, et al. **J Biol Chem** 1981 Oct 25;256(20):10538–42

Arsenic-induced developmental defects and mitotic abnormalities in sea-urchin development. Pagano G, et al. **Mutat Res** 1982 Jul;104(6):351–4

Molecular biology of the sea urchin embryo. Davidson EH, et al. **Science** 1982 Jul 2;217(4554):17–26

Hatching of amphibian embryos: the physiological trigger. Petranka JW, et al. **Science** 1982 Jul 16;217(4556):257–9

[Contractile phenomena in a model nonmuscle system] Meshcheriakov VN, et al. **Biofizika** 1981 Nov–Dec; 26(6):1057–62 (Eng. Abstr.) **(Rus)**

[Influence of adrenaline on the transmembrane potential changes in developing loach embryos] Sanagurskii DI, et al. **Biofizika** 1982 Mar–Apr;27(2):253–8 (Eng. Abstr.) **(Rus)**

[Effect of extracts from loach eggs and embryos exposed to insulin on glucose-6-phosphate dehydrogenase activity] Sukhorskaia IE, et al. **Ukr Biokhim Zh** 1982 May–Jun; 54(3):280–3 (Eng. Abstr.) **(Rus)**

RADIATION EFFECTS

Effects of 2.45-GHz microwave radiation on embryonic quail hearts. Galvin MJ, et al. **Bioelectromagnetics** 1980; 1(4):389–96

Developmental responses of the Drosophila melanogaster embryo to localized X irradiation. King BH, et al. **Radiat Res** 1982 Mar;89(3):590–606

ULTRASTRUCTURE

Lens regeneration from the pupillary margin of the eyecup in newt embryos. Reyer RW. **Am J Anat** 1982 Jan; 163(1):25–45

The 'embryonic moults' of the milkweed bug as seen by the S.E.M. Dorn A, et al. **Tissue Cell** 1981;13(3):461–73

EMBRYO, PREIMPLANTATION see **BLASTOCYST**

EMBRYO RESORPTION see under **FETAL DEATH**

EMBRYO TRANSFER

Test tube babies: fact or fiction? [letter] Greentree LB. **Am J Obstet Gynecol** 1981 Nov 1;141(5):593–4

Experience with in vitro fertilization of follicular rabbit oocytes and embryo transfer. Trotnow S, et al. **Arch Gynecol** 1981;231(1):41–50

Research in human in-vitro fertilisation and embryo transfer. Trounson A, et al. **Br Med J [Clin Res]** 1982 Jul 24; 285(6337):244–8

In vitro fertilization in humans and embryo transfer. Hewlett PT. **Can Med Assoc J** 1982 Aug 1;127(3):191–2

Specificity of the control of tumor formation by the blastocyst. Pierce GB, et al. **Cancer Res** 1982 Mar; 42(3):1082–7

Growth of trophoblast in mouse lung. Carr DH, et al. **Experientia** 1982 Jun 15;38(6):701–2

Mouse egg cylinders developed in vitro may form benign and malignant teratoid tumors. Wu TC, et al. **Experientia** 1982 Jan 15;38(1):128–9

Could aspiration of the Graafian follicle cause luteal phase deficiency? Feichtinger W, et al. **Fertil Steril** 1982 Feb; 37(2):205–8

Clinical features of eight pregnancies resulting from in vitro fertilization and embryo transfer. Wood C, et al. **Fertil Steril** 1982 Jul;38(1):22–9

Factors influencing the results of transfers of rabbit embryos stored at -196 degrees C. Landa V. **Folia Biol (Praha)** 1981; 27(4):265–73

Rapid thawing of rabbit embryos after storage at -196 degrees C. Landa V. **Folia Biol (Praha)** 1982;28(1):67–73

Embryo-derived teratocarcinoma. III. Development of tumors from teratocarcinoma-permissive and non-permissive strain embryos transplanted to F1 hybrids. Solter D, et al. **Int J Cancer** 1981 Oct 15;28(4):479–83

Survival of preimplantation embryos in the uteri of mice induced to superovulate and subsequently ovariectomized. Fiser PS, et al. **J Reprod Fertil** 1982 Jan;64(1):33–6

Effect of delayed insemination on in-vitro fertilization, culture and transfer of human embryos. Trounson AO, et al. **J Reprod Fertil** 1982 Mar;64(2):285–94

Effect of post-ovulatory age of recipient on survival of frozen-thawed rabbit morulae. Tsunoda Y, et al. **J Reprod Fertil** 1982 Jul;65(2):483–7

The presence of class I MHC antigens at the maternal-fetal interface and hypotheses concerning the survival of the murine fetal allograft. Wegmann TG. **J Reprod Immunol** 1981 Nov;3(5):267–70

Embryo transfer, ectopic pregnancy, and preliminary tubal occlusion [letter] Craft I, et al. **Lancet** 1981 Dec 19–26; 2(8260–61):1421

Ectopic pregnancy following in-vitro fertilisation and embryo transfer [letter] Tucker M, et al. **Lancet** 1981 Dec 5;2(8258):1278

A microcinematographic study of the in vitro development of postimplantation rat embryos. Sandor S, et al. **Morphol Embryol (Bucur)** 1981 Jul–Sep;27(3):215–8

[Spontaneous abortion after intra-uterine transfer of an ovum fecundated in vitro (author's transl)] Frydman R, et al. **Nouv Presse Med** 1981 Nov 21;10(42):3475–6 (Eng. Abstr.) **(Fre)**

[In vitro fertilization and embryo transfers in non human primates (author's transl)] Kreitmann O. **Pathol Biol (Paris)** 1981 Oct;29(8):503–11 (Eng. Abstr.) **(Fre)**

[In vitro fertilization and embryo transfer as a treatment in tubal sterility. The first developmental stages of the human embryo: from fertilization to nidation] Mulnard J. **Rev Med Brux** 1982;3(4):275–84 (Eng. Abstr.) **(Fre)**

[Twin pregnancy after laparoscopic oocyte recovery, in-vitro fertilization and embryotransfer (author's transl)] Feichtinger W, et al. **Geburtshilfe Fraunheilkd** 1982 Mar; 42(3):197–9 (Eng. Abstr.) **(Ger)**

[Pregnancies obtained by oocyte aspiration, in vitro fertilization, and embryo transfer during clomid/HCG stimulated cycles (author's transl)] Trotnow S, et al. **Geburtshilfe Fraunheilkd** 1981 Dec;41(12):835–6 (Eng. Abstr.) **(Ger)**

[In vitro fertilization and embryo transfer, medical and ethical considerations (author's transl)] Conti A. **Praxis** 1982 Apr 6;71(14):575–81 **(Ger)**

ADVERSE EFFECTS

Tubal pregnancy occurring after successful in vitro fertilization and embryo transfer. Smith DH, et al. **Fertil Steril** 1982 Jul;38(1):105–6

METHODS

Human embryo transfer in the treatment of infertility. Lopata A, et al. **Aust NZ J Obstet Gynaecol** 1981 Aug;21(3):156–8

Extracorporeal fertilization and embryo transfer. Trounson A, et al. **Clin Obstet Gynaecol** 1981 Dec;8(3):681–713 (50 ref.)

The technique for human embryo transfer. Leeton J, et al. **Fertil Steril** 1982 Aug;38(2):156–61

Human embryo transfer technique [letter] Craft I, et al. **Lancet** 1981 Nov 14;2(8255):1104–5

A simple technique for human embryo transfer into the uterus. Kerin JF, et al. **Lancet** 1981 Oct 3;2(8249):726–7

STANDARDS

Embryo transfer catheter material [letter] Craft I, et al. **Lancet** 1982 Mar 20;1(8273):680

VETERINARY

Experimental transmission of pseudorabies virus in swine by embryo transfer. Bolin SR, et al. **Am J Vet Res** 1982 Feb; 43(2):278–80

Collection and transfer of equine embryos. Imel KJ, et al. **J Am Vet Med Assoc** 1981 Nov 15;179(10):987–91

Induction of twins in different breeds of cattle. Anderson GB, et al. **J Anim Sci** 1982 Mar;54(3):485–90

Some aspects of bovine ova culture in vitro. Kanagawa H. **Jpn J Vet Res** 1979 Oct;27(3–4):49–54

Embryo transfer for the bovine practitioner. Nash JG Jr. **Vet Clin North Am [Large Anim Pract]** 1981 Nov; 3(2):417–33

Induction of twin-calving by non-surgical embryo transfer: a field trial. Sreenan JM, et al. **Vet Rec** 1981 Jul 25; 109(4):77–80

[Cytological bases of ovum transplantation: interim preservation and cultivation of fertilized bovine ova] Kauffold P, et al. **Arch Exp Veterinarmed** 1982 Jan; 36(1):77–87 (Eng. Abstr.) **(Ger)**

[Surgical and nonsurgical methods of embryo transfer in cattle] Silvas E, et al. **Arch Exp Veterinarmed** 1982 Jan; 36(1):65–70 (Eng. Abstr.) **(Ger)**

[Transplantation of deep frozen sheep embryos] Smorag Z, et al. **Arch Exp Veterinarmed** 1982 Jan;36(1):163–7 (Eng. Abstr.) **(Ger)**

[Transplantation of cattle embryos in the USSR] Klinskii IuD, et al. **Arch Exp Veterinarmed** 1982 Jan;36(1):55–60 (Eng. Abstr.) **(Rus)**

[Surgical technic and results of obtaining and transfer ring cattle embryos] Sergeev NI. **Arch Exp Veterinarmed** 1982 Jan;36(1):71–5 (Eng. Abstr.) **(Rus)**

[Quality of bovine ova for transplantation] Shikhov IIa, et al. **Arch Exp Veterinarmed** 1982 Jan;36(1):89–93 (Eng. Abstr.) **(Rus)**

EMBRYOLOGY

Computer program for searching the biomedical literature in teratology, developmental biology, and reproductive biology. Brent RL. **Teratology** 1982 Jun;25(3):273–5

EDUCATION

Instant scanning electron microscopy in teaching. Pelliniemi LJ, et al. **J Audiov Media Med** 1982 Jan;5(1):12–3

[Debatable questions in the teaching of medical embryology] Klishov AA, et al. **Arkh Anat Gistol Embriol** 1982 May; 82(5):99–105 **(Rus)**

HISTORY

The early days of European Developmental Biology Organisation (E.D.B.O.). Skreb N, et al. **Anat Anz** 1981; 150(4):443–8

The Wolffian ridge: history of a misconception. Stephens TD. **Isis** 1982 Jun;73(267):254–9

[Haller and the theories of Buffon and C. F. Wolff on epigenesis] Duchesneau F. **Pubbl Stn Zool Napoli [II]** 1979; 1(1):65–100 **(Fre)**

[Preformation and epigenesis: the theories of Prévost and Dumas] Castellani C. **Pubbl Stn Zool Napoli [II]** 1980; 2(2):253–68 **(Ita)**

TRENDS

Seeds of change in embryonic development [news] Lewin R. **Science** 1981 Oct 2;214(4516):42–4

EMBRYONIC INDUCTION see under **CELL DIFFERENTIATION**

EMBRYOPATHIES see **FETAL DISEASES**

EMEPRONIUM see under **AMMONIUM COMPOUNDS**

EMERGENCIES

see related
CRISIS INTERVENTION
CRITICAL CARE
EMERGENCY SERVICE, HOSPITAL
FIRST AID

Bedside drainage of abscesses with sonographic guidance in the desperately ill. Crass JR, et al. **AJR** 1982 Jul; 139(1):183–5

Emergency arteriography in extremity trauma: assessment of indications. Smith PL, et al. **AJR** 1981 Oct;137(4):803–7

International disaster identification report. Investigative and dental aspects. Solheim T, et al. **Am J Forensic Med Pathol** 1982 Mar;3(1):63–7

Emergency room of treatment of asthma. Relationships among therapeutic combinations, severity of obstruction and time course of response. Fanta CH, et al. **Am J Med** 1982 Mar;72(3):416–22

Emergency operation for upper gastrointestinal hemorrhage. Bolin RE, et al. **Am Surg** 1982 Jul;48(7):302–8

Spinal anaesthesia or general anaesthesia for emergency hip surgery in elderly patients. Davis FM, et al. **Anaesth Intensive Care** 1981 Nov;9(4):352–8

Emergency transthoracic pacemaker. Roberts JR, et al. **Ann Emerg Med** 1981 Nov;10(11):600–12

Emergency thoracotomy in the surgical intensive care unit after open cardiac operation. Fairman RM, et al. **Ann Thorac Surg** 1981 Oct;32(4):386–91

Emergency coronary revascularization in the early postoperative coronary artery bypass patient. Ilabaca PA, et al. **Ann Thorac Surg** 1981 Dec;32(6):609–12

Emergency room thoracotomy for the resuscitation of patients with 'fatal' penetrating injuries of the heart. Ivatury RR, et al. **Ann Thorac Surg** 1981 Oct;32(4):377–85

Office and operating room management of cardiac arrest. Sabiston WR, et al. **Arch Otolaryngol** 1982 Feb;108(2):87–9

Single-dose intraoperative antibiotic prophylaxis in emergency abdominal surgery. Rowlands BJ, et al. **Arch Surg** 1982 Feb;117(2):195–9

Emergency transumbilical embolization of bleeding esophageal varices. Tauber JW, et al. **Arch Surg** 1982 May; 117(5):624–9

The speed of response to synthesized voice messages. Wheale JL. **Br J Audiol** 1981 Aug;15(3):205–12

Immediate management of diving emergencies. Whitaker AJ, et al. **Br J Sports Med** 1982 Jun;16(2):102–6

Emergency transoesophageal cardiac pacing [letter] **Br Med J [Clin Res]** 1982 Apr 24;284(6324):1263

ABC of 1 to 7. The severely ill child. Valman HB. **Br Med J [Clin Res]** 1982 May 8;284(6326):1388–91

ABC of diabetes: diabetic emergencies. Watkins PJ. **Br Med J [Clin Res]** 1982 Jul 31;285(6338):360–3

Emergency intracranial pressure monitoring in pediatrics: management of the acute coma of brain insult. Mayer T, et al. **Clin Pediatr (Phila)** 1982 Jul;21(7):391–6

Metabolic emergencies. Sirridge WT. **Compr Ther** 1981 Sep; 7(9):68–72

Acute management of cardiothoracic trauma. Kay HR.

Conn Med 1981 Sep;45(9):547–50
Emergency PaO2 estimates in one minute with a transcutaneous oxygen sensor. Applebaum R, et al. **Crit Care Med** 1981 Oct;9(10):742–3
Symposium on medical emergencies in the dental office. **Dent Clin North Am** 1982 Jan;26(1):1–211
Cardiac emergencies. Blair DM. **Dent Clin North Am** 1982 Jan;26(1):49–69
Common errors in handling medical emergencies. Blair DM. **Dent Clin North Am** 1982 Jan;26(1):163–86
Common respiratory emergencies of obstruction. Breznen WJ. **Dent Clin North Am** 1982 Jan;26(1):197–208
Evaluation of the patient during a medical emergency. Cantrell JR. **Dent Clin North Am** 1982 Jan;26(1):13–9
Legal aspects of emergency dental care. Holzapfel GS. **Dent Clin North Am** 1982 Jan;26(1):187–95
Training for the effective management of medical emergencies. Kinne RD. **Dent Clin North Am** 1982 Jan; 26(1):147–62
Injury to the primary dentition. Levine N. **Dent Clin North Am** 1982 Jul;26(3):461–80
Designing a drug kit. Morrow GT. **Dent Clin North Am** 1982 Jan;26(1):21–33
Treatment of trauma to the young permanent dentition. Pulver F. **Dent Clin North Am** 1982 Jul;26(3):525–54
Allergy-related emergencies in dental practice. Stroh JE Jr, et al. **Dent Clin North Am** 1982 Jan;26(1):87–98
Value of computed tomography (CT) in an obstetrical emergency. Baker DA, et al. **Diagn Gynecol Obstet** 1982 Spring;4(1):53–6
Site, emergency, and duration of symptoms in the prognosis of colorectal cancer. Pescatori M, et al. **Dis Colon Rectum** 1982 Jan–Feb;25(1):33–40
Urgent hemorrhoidectomy for hemorrhoidal crisis. Wang CH. **Dis Colon Rectum** 1982 Mar;25(2):122–4
Neonatal emergency transport drug box. Zenk KE, et al. **Drug Intell Clin Pharm** 1982 Feb;16(2):122–5
Diabetic emergencies and how to handle them. Sivaprasad R, et al. **Geriatrics** 1981 Nov;36(11):34–9
The case of the emergency room visit for paroxysmal tachycardia. Hancock EW. **Hosp Pract** 1981 Dec; 16(12):75–6
Physicians' liability at the hospital: a growth area? Bernstein AH. **Hospitals** 1982 Jul 1;56(13):46–8
Acute and chronic drug abuse emergencies in Metropolitan Toronto. Sellers EM, et al. **Int J Addict** 1981 Feb; 16(2):283–303
An advanced emergency medical care system at the University of Texas Football Stadium. Vacalis TM, et al. **J Am Coll Health Assoc** 1981 Dec;30(3):145–7
Series on endocrine metabolic emergencies: V. Hypercalcemic crisis. Hamburger S, et al. **J Am Med Wom Assoc** 1981 Oct;36(10):307–9
Emergency surgery: the patient versus the disease. Knecht CD. **J Am Vet Med Assoc** 1981 Dec 15;179(12):1372–5
Emergency endoscopy in upper gastrointestinal haemorrhage. Krishnan S. **J Assoc Physicians India** 1981 Mar;29(3):201–5
Emergency dental care in dental education. Ferraro EF, et al. **J Dent Educ** 1982 Aug;46(8):504–5
Oncologic emergencies. Rainey JM. **J La State Med Soc** 1982 Jan–Feb;134(1):15–20
A case of a Good Samaritan. Brosky SC. **J Med Assoc Ga** 1982 Apr;71(4):281–4
A socially acceptable emergency alarm system. Pocock SN, et al. **J Med Eng Technol** 1981 Mar;5(2):68–72
High testicular salvage rate in torsion of the spermatic cord. Cattolica EV, et al. **J Urol** 1982 Jul;128(1):66–8
Medical emergencies in flight [letter] Klemes MA. **JAMA** 1982 Aug 13;248(6):648
Costs and benefits of skull radiography for head injury. A national study by the Royal College of Radiologists. **Lancet** 1981 Oct 10;2(8250):791–5
Emergency fibrinolytic treatment of thrombosed prosthetic heart valves [letter] Olson GW, et al. **Lancet** 1982 May 15;1(8281):1122
Low-current bedside emergency atrial and ventricular cardiac pacing from the oesophagus [letter] Touborg P, et al. **Lancet** 1982 Jan 16;1(8264):166
Teaching the management of medical emergencies using an interactive computer terminal. Dugdale AE, et al. **Med Educ** 1982 Jan;16(1):27–30
Emergency treatment of epidural hematoma: case report. Reyna TM, et al. **Milit Med** 1981 Jul;146(7):504–6
Spontaneous rupture of Glisson's capsule during pregnancy. An acute surgical emergency. Henny CP, et al. **Neth J Surg** 1982 May;34(2):72–5
Obstetrical emergencies. A systematic approach for nursing intervention. Hicks EC. **Nurs Clin North Am** 1982 Mar; 17(1):79–89
Obstructed hernia in Nigeria. A common surgical emergency. Attah CA, et al. **NY State J Med** 1982 Mar;82(3):305–8
Butyl mercaptan poisoning in the Parnell civil defence emergency: fact or fiction. Christophers AJ. **NZ Med J** 1982 Apr 28;95(706):277–8
Probing the psychology of helping. Fergus C. **Occup Health Saf** 1982 Feb;51(2):39–40
Common oral and dental emergencies and problems. Abrams RG, et al. **Pediatr Clin North Am** 1982 Jun;29(3):681–715 (39 ref.)
Emergency treatment of facial lacerations. Stuzin JM, et al. **Postgrad Med** 1982 Mar;71(3):81–5, 88–91, 94
Endocrinological emergencies. Cockram CS, et al. **Practitioner** 1981 Aug;225(1358):1157–63
Medical respiratory emergencies. Crompton GK. **Practitioner** 1981 Aug;225(1358):1111–5
Psychiatric emergencies. Gittleson NL. **Practitioner** 1981 Aug;225(1358):1144–9
Respiratory emergencies in general practice. Gregg I. **Practitioner** 1981 Nov;225(1361):1686–91
Paediatric emergencies in hospital. Illingworth CM. **Practitioner** 1981 Aug;225(1358):1129–32
Paediatric emergencies in general practice. McIntosh J. **Practitioner** 1981 Aug;225(1358):1119–25
Ophthalmic emergencies. Mathalone MB. **Practitioner** 1981 Aug;225(1358):1151–5
Cardiac emergencies. Mather HG. **Practitioner** 1981 Aug; 225(1358):1093–6
Neurological emergencies. Parsons-Smith BG. **Practitioner** 1981 Aug;225(1358):1135–40
Gastrointestinal emergencies. Salter RH. **Practitioner** 1981 Aug;225(1358):1100–7
Useful information for rare emergencies. Dunlop JM. **Public Health** 1982 Jan;96(1):54–6
Rheumatological features of patients admitted as emergencies to acute general medical wards. Spencer MA, et al. **Rheumatol Rehabil** 1981 May;20(2):71–3
Emergency open-heart surgery. Experience with 100 consecutive cases. Wells FC, et al. **Scand J Thorac Cardiovasc Surg** 1982;16(1):47–50
Study of emergency assistance and special needs programs. Sosin M. **Soc Secur Bull** 1981 Sep;44(9):3–8
Hyperparathyroid crisis. Successful treatment of ten comatose patients. Maselly MJ, et al. **Surgery** 1981 Oct; 90(4):741–6
Symposium on urologic emergencies. **Urol Clin North Am** 1982 Jun;9(2):207–312
Emergency management of the injured ureter. Bright TC 3d. **Urol Clin North Am** 1982 Jun;9(2):285–91
Renovascular emergencies. Fry RE, et al. **Urol Clin North Am** 1982 Jun;9(2):209–14
Rupture of the bladder. McConnell JD, et al. **Urol Clin North Am** 1982 Jun;9(2):293–6
Emergency management of urethral trauma. Morehouse DD. **Urol Clin North Am** 1982 Jun;9(2):251–4
Torsion of the spermatic cord. Ransler CW 3d, et al. **Urol Clin North Am** 1982 Jun;9(2):245–50
Emergencies in renal transplantation. Sagalowsky AI, et al. **Urol Clin North Am** 1982 Jun;9(2):215–8
Priapism. Sagalowsky AI. **Urol Clin North Am** 1982 Jun; 9(2):255–7
Urgent surgery for ulcerative colitis: early colectomy in 132 patients. Albrechtsen D, et al. **World J Surg** 1981 Jul; 5(4):607–15
Emergency decompression of bile duct in acute obstructive suppurative cholangitis by duodenoscopic cannulation: a lifesaving procedure. Ikeda S, et al. **World J Surg** 1981 Jul;5(4):587–93
[Differential diagnostic problems in emergency urological and surgical diseases] Deliiski P. **Khirurgiia (Sofiia)** 1981; 34(6):569–71 (Eng. Abstr.) **(Bul)**
[Electromyographic studies of the intestinal tract in emergency abdominal surgery] Zlatarski G, et al. **Khirurgiia (Sofiia)** 1981;34(3):240–5 (Eng. Abstr.) **(Bul)**
[Portal hypertension in children (author's transl)] Macik I. **Bratisl Lek Listy** 1981 Nov;76(5):563–6 (Eng. Abstr.) **(Cze)**
[Emergency medical care] Pokorný J, et al. **Zdrav Aktual** 1981;194:3–170 **(Cze)**
[Emergency: vessels, bone, skin. Apropos of 75 cases by the SOS hand team] Mitz V, et al. **Acta Orthop Belg** 1981; 47(6):844–53 **(Fre)**
[Contribution of bidimensional echocardiography to the diagnosis of aortic dissections in emergencies] Gateau P, et al. **Arch Mal Coeur** 1982 Feb;75(2):179–88 (Eng. Abstr.) **(Fre)**
[2 years' experience with laboratory of chemical toxicology and pharmacology in the framework of emergency toxicology in Luxembourg] Wennig R. **Bull Soc Sci Med Grand Duche Luxemb** 1981;118(2):23–7 **(Fre)**
[The general practitioner and psychiatric emergencies] Cabut C. **Rev Med Liege** 1981 Dec 1;36(23):855–7 **(Fre)**
[The general practitioner in psychiatric emergencies. (Introduction)] Luminet D. **Rev Med Liege** 1981 Dec 1; 36(23):849–50 **(Fre)**
[Semiology and clinical findings in psychiatric emergencies] Poncelet PF. **Rev Med Liege** 1981 Dec 1;36(23):850–5 **(Fre)**
[Psychological problems in emergency surgery] Neidhardt JH. **Rev Med Suisse Romande** 1982 Jan;102(1):21–6 **(Fre)**
[Hypertension crisis: diagnosis and emergency therapy] Lucsko M, et al. **Sem Hop Paris** 1981 Oct 18–25; 57(39–40):1597–9 **(Fre)**
[Psychological and psychiatric emergencies in child and adolescent. Specificity and diversity of the possible situations and responses (author's transl)] Mazet Ph, et al. **Sem Hop Paris** 1981 Apr 18–25;57(15–16):815–20 (Eng. Abstr.) **(Fre)**
[Emergency plan for accidents related to ionizing radiation: collaboration between occupational medicine and radiation protection] Boillat MA, et al. **Soz Praventivmed** 1981 Dec; 26(6):403–6 **(Fre)**
[Emergency procedures in duodenal ulcer] Siewert JR, et al. **Chirurg** 1982 Jan;53(1):16–22 **(Ger)**
[Emergency surgical treatment of injuries to the lateral region of the face] Stennert E. **Chirurg** 1982 Apr;53(4):241–52 (Eng. Abstr.) **(Ger)**
[Emergency situations in gynecology and obstetrics] Hohlweg-Majert P. **Fortschr Med** 1981 Feb 12;99(6):181–7 **(Ger)**
[Diagnostic measures in colorectal emergencies] Largiadèr F. **Helv Chir Acta** 1982 Feb;48(6):645–50 (Eng. Abstr.) **(Ger)**
[Does emergency endoscopy effect the prognosis of acute hemorrhage of the upper gastrointestinal tract?] Erckenbrecht J, et al. **Internist (Berlin)** 1981 Dec; 22(12):744–8 **(Ger)**
[Gastrointestinal hemorrhage] Farthmann EH, et al. **Langenbecks Arch Chir** 1981;355:365–72 (Eng. Abstr.) **(Ger)**
[Urgent acute situations for the general surgery department: craniocerebral trauma] Liesegang J. **Langenbecks Arch Chir** 1981;355:335–9 (Eng. Abstr.) **(Ger)**
[Urologic injuries] Matouschek E. **Langenbecks Arch Chir** 1981;355:361–4 (Eng. Abstr.) **(Ger)**
[Acute vascular surgical situations] Müller-Wiefel H. **Langenbecks Arch Chir** 1981;355:373–7 (Eng. Abstr.) **(Ger)**
[Blunt and penetrating abdominal injuries] Schriefers KH, et al. **Langenbecks Arch Chir** 1981;355:354–60 (Eng. Abstr.) **(Ger)**
[Urgent acute situations for the general surgery department – presented with examples] Streicher HJ. **Langenbecks Arch Chir** 1981;355:331–4 **(Ger)**
[Chest injuries] Streicher HJ. **Langenbecks Arch Chir** 1981; 355:341–5 (Eng. Abstr.) **(Ger)**
[Prognosis in emergency patients. Conclusions drawn from the death of emergency patients with regard to improved emergency care] Sefrin P, et al. **Lebensversicherungsmedizin** 1981 Mar 26;33(3):66–9 (Eng. Abstr.) **(Ger)**
[Psychiatric emergencies— their therapy and legal aspects] Gallenkamp U. **Med Welt** 1982 Oct 2;32(40):1467–71 **(Ger)**
[Limb injuries. Assessment and emergency management at the site of the accident (author's transl)] Eitel F. MMW 1982 Apr 9;124(14):345–9 (Eng. Abstr.) **(Ger)**
[Clinical aspects and treatment of the hypertensive emergency (author's transl)] Wambach G, et al. **MMW** 1981 Nov 20;123(47):1815–8 (Eng. Abstr.) **(Ger)**
[Abdominal injuries. Assessment and emergency management at the site of the accident] Wilker D. MMW 1982 Apr 9;124(14):343–4 **(Ger)**
[Emergencies in pediatric practice: convulsions] Kellermann K. **Monatsschr Kinderheilkd** 1981 Oct;129(10):602–4 **(Ger)**
[Ophthalmological emergencies in general practice (author's transl)] Bigar F. **Praxis** 1982 May 4;71(18):779–82 **(Ger)**
[Emergencies in pediatrics (author's transl)] Hitzig WH. **Praxis** 1982 May 18;71(20):848–52 (Eng. Abstr.) **(Ger)**
[Gynecologic emergencies] Schreiner WE. **Praxis** 1982 May 4;71(18):768–78 **(Ger)**
[Urologic emergency situations] Hartung R, et al. **Ther Ggw** 1981 Nov;120(11):1048–64 **(Ger)**
[Arterial vascular replacement with homograft veins in extreme situations] Largiadèr J, et al. **Vasa** 1981; 10(3):218–23 (Eng. Abstr.) **(Ger)**
[The effect of emergency endoscopy on the outcome of the upper intestinal hemorrhage (author's transl)] Eckardt VF, et al. **Z Gastroenterol** 1982 Jan;20(1):1–8 (Eng. Abstr.) **(Ger)**
[Emergency endoscopy of the upper gastrointestinal tract and therapeutic endoscopic procedures in childhood (author's transl)] Paquet KJ. **Z Kinderchir** 1981 Jun; 33(2):122–7 (Eng. Abstr.) **(Ger)**
[Simultaneous treatment of combined injuries of the extremities—emergency care] Fornaro E, et al. **Z Unfallmed Berufskr** 1982;75(2):97–102 **(Ger)**
[Emergencies in general medicine (20). Chemical eye burns] Behrens-Baumann. **ZFA (Stuttgart)** 1982 May 20; 58(14):811–2 **(Ger)**
[Emergencies in general medicine (24). Sudden deafness] Feldmann H. **ZFA (Stuttgart)** 1982 Jun 30;58(18):1023–4 **(Ger)**
[Emergency in general medicine (12). Arrhythmias, part I: Tachycardia] Hüdepohl M. **ZFA (Stuttgart)** 1982 Feb 28; 58(6):349–50 **(Ger)**
[Emergencies in general medicine (11). Resuscitation in respiratory and heart arrest] Hüdepohl M. **ZFA (Stuttgart)** 1982 Feb 20;58(5):287–8 **(Ger)**
[Emergencies in general medicine. 16. Luxation] Naber M. **ZFA (Stuttgart)** 1982 Apr 10;58(10):577–8 **(Ger)**
[Emergencies in general practice (10). Fractures] Naber M. **ZFA (Stuttgart)** 1982 Feb 10;58(4):617–8 **(Ger)**
[Emergency in general medicine (1)] Pillau H. **ZFA (Stuttgart)** 1981 Oct 31;57(30):2089–90 **(Ger)**
[Emergencies in general medicine (23). Nosebleed] Weidauer H. **ZFA (Stuttgart)** 1982 Jun 20;58(17):970–2 **(Ger)**
[Emergency blood gas analysis (author's transl)] Koyama A, et al. **Rinsho Byori** 1981 Jan;29(1):59–64 **(Jpn)**
[The bacteriological emergency tests (author's transl)] Mori H, et al. **Rinsho Byori** 1981 Jan;29(1):65–7 **(Jpn)**
[Evaluation on the method for the determination of blood

sugar and amylase for emergency tests (author's transl)] Shimasue A, et al. **Rinsho Byori** 1981 Jan;29(1):53–8 **(Jpn)**

[Retrospective cardiological analysis of emergency states in newborn infants] Czarnowska-Kozub M. **Pediatr Pol** 1982 Jan;57(1):17–22 (Eng. Abstr.) **(Pol)**

[Emergency care in urinary system trauma in obstetrical and gynecologic practice] Kan DV. **Akush Ginekol (Mosk)** 1981 Jul;(7):47–51 (Eng. Abstr.) **(Rus)**

[Prevention of the disseminated intravascular coagulation syndrome in emergency states in premature infants] Gavriushov VV, et al. **Anesteziol Reanimatol** 1982 Jan–Feb;(1):44–7 (Eng. Abstr.) **(Rus)**

[Results of emergency coronary angiography and left ventriculography in acute coronary circulation disorders] Ekha IaE, et al. **Kardiologiia** 1982 Apr;22(4):52–6 (Eng. Abstr.) **(Rus)**

[Importance of recording the intracardiac electrical potentials in the diagnosis and treatment of complex arrhythmias in an emergency care center] Kushakovskiĭ MS, et al. **Kardiologiia** 1981 Dec;21(12):14–9 (Eng. Abstr.) **(Rus)**

[Emergency laparoscopy in the diagnosis and treatment of acute pancreatitis] Buianov VM, et al. **Khirurgiia (Mosk)** 1981 Oct;(10):60–4 (Eng. Abstr.) **(Rus)**

[Diagnostic errors in emergency surgery in the presence of complicating diseases] Mazchenko NS. **Khirurgiia (Mosk)** 1982 Feb;(2):86–8 **(Rus)**

[Blood reinfusion in emergency surgery] Mil'kov BO, et al. **Khirurgiia (Mosk)** 1982 Apr;(4):100–1 **(Rus)**

[Laparoscopy in emergency management of strangulated hernias] Apsatarov EA, et al. **Klin Khir** 1982 Apr;(4):52–4 **(Rus)**

[Emergency colonoscopy in children] Doletskiĭ SIa, et al. **Klin Khir** 1981 Aug;(8):54–6 (Eng. Abstr.) **(Rus)**

[Efficacy of emergency one-step adenomectomy at an interdistrict urological department] Krokhmal' AIa, et al. **Klin Khir** 1981 Dec;(12):43–4 **(Rus)**

[Small intestine tumors in emergency surgery] Ostapenko EA, et al. **Klin Khir** 1982 May;(5):37–8 (Eng. Abstr.) **(Rus)**

[Emergency repeat operations in lung surgery] Slepukha IM, et al. **Klin Khir** 1981 Oct;(10):7–9 (Eng. Abstr.) **(Rus)**

[Intravenous cordaron administration in the emergency therapy of supraventricular paroxysmal tachyarrhythmia] Anshelevich IuV, et al. **Klin Med (Mosk)** 1982 May;60(5):55–9 (Eng. Abstr.) **(Rus)**

[Effectiveness of various strophanthin doses in the emergency therapy of paroxysms of atrial fibrillation and flutter] Anshelevich IuV, et al. **Klin Med (Mosk)** 1981 Jun;59(6):80–4 (Eng. Abstr.) **(Rus)**

[Emergency states in diseases of the peripheral nervous system] Popova LM. **Klin Med (Mosk)** 1981 Sep;59(9):93–8 **(Rus)**

[Basic principles in treating severely injured patients in traffic accidents] Goloborod'ko NK, et al. **Ortop Travmatol Protez** 1981 Aug;(8):1–6 **(Rus)**

[Principles and methods of treatment of emergency states in various lung diseases] Chepkiĭ LP, et al. **Probl Tuberk** 1981 Nov;(11):42–4 (Eng. Abstr.) **(Rus)**

[Spontaneous pneumothorax and acute pyopneumothorax as phthisiopulmonological emergencies] Ivaniuta OM, et al. **Probl Tuberk** 1981 Aug;(8):41–4 (Eng. Abstr.) **(Rus)**

[Emergency states in pulmonary tuberculosis reactivation] Kolomiets VM. **Probl Tuberk** 1981 Oct;(10):72–3 **(Rus)**

[Emergency states in certain gastrointestinal tumors] Falileev GV, et al. **Sov Med** 1981;(9):29–34 (Eng. Abstr.) **(Rus)**

[Emergency therapeutic endoscopy] Komarov BD, et al. **Sov Med** 1981;(12):87–8 **(Rus)**

[Indications for emergency care in infants] Kurshin MA, et al. **Sov Med** 1981;(11):86–6 **(Rus)**

[Emergency transosseous osteosynthesis in fractures of the long tubular bones in patients over 60] Shved SI, et al. **Sov Med** 1982;(1):90–2 **(Rus)**

[Diagnosis of crisis states in systemic lupus erythematosus and rheumatoid arthritis] Erov NK. **Ter Arkh** 1982;54(6):133–6 **(Rus)**

[Emergency adenomectomy and transurethral electroresection of prostatic adenoma] Lopatkin NA, et al. **Urol Nefrol (Mosk)** 1982 Mar–Apr;(2):3–7 (Eng. Abstr.) **(Rus)**

[Emergency vascular surgery: problems and tasks] Avgust VK, et al. **Vestn Khir** 1981 Sep;127(9):128–31 (Eng. Abstr.) **(Rus)**

[Laparotomies to no purpose in emergency surgery] Feofilov GL, et al. **Vestn Khir** 1982 Jan;128(1):135–9 **(Rus)**

[Emergency angiography in the diagnosis of closed abdominal injuries in children] Moskvichev VG, et al. **Vestn Rentgenol Radiol** 1982;(2):25–30 (Eng. Abstr.) **(Rus)**

[Visual angiotensiometry in emergency and planned abdominal surgery] Eriukhin IA, et al. **Voen Med Zh** 1982 Mar;(3):52–4 **(Rus)**

[Cytological method in the emergency surgical diagnosis of cancer at different sites] Agamova KA, et al. **Vopr Onkol** 1982;28(2):93–7 (Eng. Abstr.) **(Rus)**

[The effect of emergency microsurgery in penetrating injuries of the eye on visual acuity in children] Artiko G, et al. **Srp Arh Celok Lek** 1980 Oct;108(10):1015–9 (Eng. Abstr.) **(Scc)**

[Epidemiologic study of hypoglycemic syndrome in an emergency unit. Study of 71 cases (author's transl)] Torres Martí A, et al. **Med Clin (Barc)** 1981 Dec 15;77(10):405–9 (Eng. Abstr.) **(Spa)**

SURGERY

The role of emergency thoracotomy in blunt trauma. Bodai BI, et al. **J Trauma** 1982 Jun;22(6):487–91

THERAPY

[Psychiatry in Italy in acute decompensations, after the passage of the new law 180 in 1978] Pittini GF. **Minerva Psichiatr** 1982 Jan–Mar;23(1):1–8 (Eng. Abstr.) **(Ita)**

EMERGENCY CARE see **EMERGENCY MEDICAL SERVICES**

EMERGENCY HEALTH SERVICES see **EMERGENCY MEDICAL SERVICES**

EMERGENCY MEDICAL SERVICE COMMUNICATION SYSTEMS see under **EMERGENCY MEDICAL SERVICES**

EMERGENCY MEDICAL SERVICES

see related
FIRST AID

Reflections on the organization of mass burns treatment. Simko S. **Acta Chir Plast (Prague)** 1981;23(3):197–200

Use of the abbreviated injury scale in a hospital emergency room. Potential for research in accident epidemiology. Jørgensen K. **Acta Orthop Scand** 1981 Jun;52(3):273–7

Prehospital and initial hospital management of acute myocardial infarction. Rackley CE, et al. **Ala J Med Sci** 1981 Jul;18(3):255–8

Delirium: a neglected medical emergency. Devaul RA, et al. **Am Fam Physician** 1981 Dec;24(6):152–7

Thirteenth Bethesda Conference: Emergency cardiac care. Sponsored by the American College of Cardiology September 26 and 27, 1981, Heart House, Bethesda, Maryland. **Am J Cardiol** 1982 Aug;50(2):365–420

Task force III: diagnostic procedures. Emergency cardiac care. Dillon JC, et al. **Am J Cardiol** 1982 Aug;50(2):382–92 (270 ref.)

Task force IV: pharmacologic interventions. Emergency cardiac care. Gunnar RM, et al. **Am J Cardiol** 1982 Aug;50(2):393–408 (135 ref.)

Task force II: prehospital and early hospital care. Emergency cardiac care. Lewis AJ, et al. **Am J Cardiol** 1982 Aug;50(2):377–82

Task force V: physical interventions and adjunctive therapy. Emergency cardiac care. Parmley WW, et al. **Am J Cardiol** 1982 Aug;50(2):409–19 (146 ref.)

Task force I: signs and symptoms. Emergency cardiac care. Pennock RS, et al. **Am J Cardiol** 1982 Aug;50(2):373–6

Delivery system for emergency cardiac care: the medical plan of action. Warren JV. **Am J Cardiol** 1982 Aug;50(2):370–2

Helicopter transportation of patients with obstetric emergencies in an urban area. Elliott JP, et al. **Am J Obstet Gynecol** 1982 May 15;143(2):157–62

Prophylactic lidocaine: uncertain benefits in emergency settings. Borak J, et al. **Ann Emerg Med** 1982 Sep;11(9):493–6

Field triage of trauma patients [editorial] Champion HR. **Ann Emerg Med** 1982 Mar;11(3):160–1

Computer-aided emergency telecommunications for the deaf. Compton MV, et al. **Ann Emerg Med** 1982 Jun;11(6):324–6

CRAMS scale: field triage of trauma victims. Gormican SP. **Ann Emerg Med** 1982 Mar;11(3):132–5

Prognostic indicators of ultimate long-term survival following advanced life support. Szczygiel M, et al. **Ann Emerg Med** 1981 Nov;10(11):566–70

The MGM Grand Hotel fire: lessons learned from a major disaster. Buerk CA, et al. **Arch Surg** 1982 May;117(5):641–4

The doctor's bag. Carson NE, et al. **Aust Fam Physician** 1981 Dec;10(12):966–8

Near drowning: principles of emergency care. Stathers GM. **Aust Fam Physician** 1981 Dec;10(12):943–6

Inflight medical facilities. Davies GR, et al. **Aviat Space Environ Med** 1982 Jul;53(7):694–700 (34 ref.)

Mobile medical emergency units in France–part II. Drouet N. **Br Med J [Clin Res]** 1982 Jun 26;284(6333):1926–8

Mobile medical emergency units in France–part I. Drouet N. **Br Med J [Clin Res]** 1982 Jun 26;284(6333):1924–6

An improved emergency telecommunications system for the deaf. Compton MV, et al. **Compr Ther** 1982 Jun;8(6):3–5

Decision theory model of the emergency medical triage process. Landau TP, et al. **Comput Biol Med** 1982;12(1):27–42

Measurement of patient illness severity [editorial] Champion HR, et al. **Crit Care Med** 1982 Aug;10(8):552–3

Emergency services and the elderly: the role of the social worker. Wilson LB, et al. **Health Soc Work** 1982 Feb;7(1):59–64

Medical emergency calling aid (MECA). Delgado JM, et al. **IEEE Trans Biomed Eng** 1982 May;29(5):370–4

Indices of severity for emergency medical evaluative studies: reliability, validity, and data requirements. Gibson G. **Int J Health Serv** 1981;11(4):597–622

A method for reducing anxiety in the home-bound elderly. Dibner AS. **J Geriatr Psychiatry** 1981;14(1):111–3

Operative policy in severe facial trauma in combination with other severe injuries. Mektubjian SR. **J Maxillofac Surg** 1982 Feb;10(1):14–7

A rapid nasal packing catheter for emergency evaluation and management of epistaxis. Bloom CY, et al. **J Oral Maxillofac Surg** 1982 May;40(5):317–8

The British Telecom radiopaging service in general practice. Cole FH. **J R Coll Gen Pract** 1981 Oct;31(231):621–3

First aid procedures for dental emergencies. Barsky NH, et al. **J Sch Health** 1982 Jan;52(1):43–5

Emergency medical service: advances in the care of amputated parts. Powell JP. **J Tenn Med Assoc** 1981 Sep;74(9):666

Emergency thoracotomy [letter] **J Trauma** 1981 Nov;21(11):997–9

A model case-study for teaching the principles of emergency medical referrals in a rural African setting. Kale OO. **Med Educ** 1981 Nov;15(6):383–8

Triage for the traumatized animal. Silverman BS. **Mod Vet Pract** 1981 Nov;62(11):873–4

Long-term survival after out-of-hospital cardiac arrest. Eisenberg MS, et al. **N Engl J Med** 1982 Jun 3;306(22):1340–3

Prevention of recurrent sudden death [editorial] Rapaport E. **N Engl J Med** 1982 Jun 3;306(22):1359–60

Primary medical care – whose responsibility? Potter NT, et al. **NZ Med J** 1981 Aug 12;94(689):94–6

Pediatric poisoning the first 30 minutes. Driggers DA. **Postgrad Med** 1982 Aug;72(2):52–9

Early management of cervical spine injuries. Sarant G, et al. **Postgrad Med** 1982 Jun;71(6):164–71 (10 ref.)

Triage in medical practices: an unacceptable model? Bell NK. **Soc Sci Med [F]** 1981 Dec;15F(4):151–6

Initial assessment and resuscitation. Levison M, et al. **Surg Clin North Am** 1982 Feb;62(1):9–16

Management of transmediastinal gunshot wounds. Richardson JD, et al. **Surgery** 1981 Oct;90(4):671–6

[Comparison between the mobile emergency care systems of the Free University of Brussels and the Catholic University of Leuven] Askenasi R, et al. **Acta Chir Belg** 1982 Jan–Feb;82(1):25–31 (Eng. Abstr.) **(Fre)**

[The Emergency Medical Service of Paris] Cara M. **Bull Acad Natl Med (Paris)** 1981 Mar;165(3):365–72 (Eng. Abstr.) **(Fre)**

[Ultra-short wave radio in the service of medical emergencies and patient transportation] Döhler G, et al. **Z Arztl Fortbild (Jena)** 1981 May 15;75(10):478–83 **(Ger)**

[The pre-hospital phase of myocardial infarct] Herzberg H, et al. **Z Arztl Fortbild (Jena)** 1981 Jun 1;75(11–12):547–51 **(Ger)**

[Statistics of Air Zermatt mountain rescue operations: triage problems, practical examples] Lauber A, et al. **Z Unfallmed Berufskr** 1981;74(1–2):29–37 **(Ger)**

[Mountain accidents, alpine rescue teams] Oberli H. **Z Unfallmed Berufskr** 1981;74(1–2):3–9 **(Ger)**

[Ethical problems in mass burn disasters (author's transl)] Röding H. **Zentralbl Chir** 1981;106(18):1204–9 (Eng. Abstr.) **(Ger)**

[Medical assistance in nuclear power station catastrophies (letter)] **ZFA (Stuttgart)** 1981 Aug 20;57(23):1566–72 **(Ger)**

[The Sikorskj HH-3F in rescue activities and in air medical transport] Rotondo G, et al. **Minerva Med** 1981 Oct 6;72(38):2535–48 (Eng. Abstr.) **(Ita)**

[Aviation military health service activities in the sector of public health and assistance to the civilian population] Rotondo G. **Riv Med Aeronaut Spaz** 1980 Jul–Dec;43(3–4):347–64 (Eng. Abstr.) **(Ita)**

[Principles of radionuclide studies in emergency conditions] Ishmukhametov AI. **Med Radiol (Mosk)** 1981 Oct;26(10):54–60 **(Rus)**

[Selection of informative symptoms for the evaluation of the severity of trauma] Okhotskiĭ VP, et al. **Sov Med** 1981;(11):83–6 **(Rus)**

[Analysis of fatal automotive injuries in the Leningrad region and ways of improving medical services to the injured] Balliuzek FV, et al. **Sud Med Ekspert** 1982 Jan–Mar;25(1):27–9 **(Rus)**

[Role of dosimetry and clinical laboratory data in the diagnosis of radiation lesions and the triage of victims at medical evacuation centers] Vladimirov VG, et al. **Voen Med Zh** 1982 Jan;(1):30–3 **(Rus)**

[Prehospital care of patients with acute myocardial infarct treated at the internal medicine department in the general hospital in Vrbas from 1977 to 1980] Leković S. **Med Pregl** 1981;34(11–12):513–6 (Eng. Abstr.) **(Scc)**

[Preventive medicine teams in natural disasters] Radovanović M, et al. **Vojnosanit Pregl** 1981 Sep–Oct;38(5):357–60 **(Scr)**

[Health services in disasters] Vračarić B, et al. **Vojnosanit Pregl** 1981 Sep–Oct;38(5):314–8 **(Scr)**

HISTORY

Mount St Helens eruptions, May 18 to June 12, 1980. An overview of the acute health impact. Baxter PJ, et al. **JAMA** 1981 Dec 4;246(22):2585–9

[Jaromír Mundy (1822–1894) and his share in the development of emergency medical services (author's transl)] Wondrák E. **Cas Lek Cesk** 1982 Jan 29;121(4):116–9

(Eng. Abstr.) **(Cze)**
[70th anniversary of the Central Emergency Service of Santiago (author's transl)] Costa-Casaretto C. **Rev Med Chil** 1981 Aug;109(8):795-803 (Eng. Abstr.) **(Spa)**

LEGISLATION & JURISPRUDENCE

Outlook for EMS guarded but favorable. Richards G. **Hospitals** 1982 Aug 1;56(15):62-6
Emergency consent: medical care for the minor. Winer R. **J Kans Med Soc** 1981 Oct;82(10):458-62, 472
Training for EMT/paramedics in perinatal care and transport. Powell JP. **J Tenn Med Assoc** 1982 Feb; 75(2):133-4
Rape. Lamphier TA. **Md State Med J** 1982 Apr;31(4):37-43
Protecting the providers of emergency care. Goerth CR. **Occup Health Saf** 1981 Dec;50(12):23-4

ORGANIZATION & ADMINISTRATION

Medical control of prehospital emergency medical services. American College of Emergency Physicians. **Ann Emerg Med** 1982 Jul;11(7):387
Vietnam in context. McNabney WK. **Ann Emerg Med** 1981 Dec;10(12):659-61
Formal endorsement of FECs questioned [letter] Silverman HM. **Ann Emerg Med** 1981 Nov;10(11):614
Computerized triage of pediatric patients: automated triage algorithms. Wilson LO, et al. **Ann Emerg Med** 1981 Dec; 10(12):636-40
Medical planning for a major event: the Pope's visit to Coventry Airport, 30 May 1982. Avery JG, et al. **Br Med J [Clin Res]** 1982 Jul 3;285(6334):51-3
Defibrillation at a football stadium: an experiment with Brighton and Hove Albion. Jaggarao NS, et al. **Br Med J [Clin Res]** 1982 May 15;284(6327):1451-3
Emergencies in the home. Organising and training for emergencies. Rawlins D. **Br Med J [Clin Res]** 1981 Nov 7;283(6301):1229-30
Medical services for outdoor rock music festivals. Chapman KR, et al. **Can Med Assoc J** 1982 Apr 15;126(8):935-8
Emergency medical services and the neurosurgeon. Hoff J. **Clin Neurosurg** 1980;27:363-7
Triage and transfer: preparing for a strike. Meilicke D, et al. **Dimens Health Serv** 1981 Oct;58(10):30-1, 33-4
Health care delivery: care in the canyon. Friedman E. **Hospitals** 1982 May 16;56(10):67-9
Indiana's emergency care delivery system. Doles BH. **J Indiana State Med Assoc** 1982 Jan;75(1):26-8
A metropolitan airport disaster plan--coordination of a multihospital response to provide on-site resuscitation and stabilization before evacuation. Dove DB, et al. **J Trauma** 1982 Jul;22(7):550-9
Commitment to trauma in a low population density area. Gilmore KM, et al. **J Trauma** 1981 Oct;21(10):883-8
The rural interhospital disaster plan: some new solutions to old problems. Skiendzielewski JJ, et al. **J Trauma** 1982 Aug; 22(8):694-7
A paediatric emergency transport service: one year's experience. Duncan AW, et al. **Med J Aust** 1981 Dec 12-26;2(12-13):673-4, 676
Mission Micronesia. Soderdahl DW. **Pharos** 1981 Summer; 44(3):9-13
[Organization of Belgian medicolegal operations in case of disasters on national and foreign territory] Timperman J, et al. **Arch Belg Med Soc** 1981 Mar;39(3):175-81 **(Fre)**
[Preventive measures in impending ship disaster] Koch P. **Fortschr Med** 1981 Feb 12;99(6):163-4 **(Ger)**
[Emergency services in Lower Franconia (author's transl)] Sefrin P. **MMW** 1981 Oct 9;123(41):1533-6 (Eng. Abstr.) **(Ger)**
[Organization of mountain emergency services for Valais] Bagnoud B. **Z Unfallmed Berufskr** 1981;74(3-4):153-6 **(Ger)**
[Extra-hospital emergencies. Proposal for a regional aid plan for Northern Lombardy and adjacent areas using helicopters] Serra GC, et al. **Minerva Anestesiol** 1982 Jan-Feb;48(1-2):73-86 (Eng. Abstr.) **(Ita)**
[Organization of care for myocardial infarct patients in the prehospital stage] Gafarov VV. **Sov Zdravookhr** 1982; (5):40-4 (Eng. Abstr.) **(Rus)**
[Organization of the emergency health care service for the rural population] Kobets GP, et al. **Sov Zdravookhr** 1982; (3):21-3 **(Rus)**
[Problems of child emergency surgical services] Tovar JA, et al. **An Esp Pediatr** 1982 Jan;16(1):60-5 **(Spa)**

STANDARDS

An advanced emergency medical care system at the University of Texas Football Stadium. Vacalis TM, et al. **J Am Coll Health Assoc** 1981 Dec;30(3):145-7
Selection of patients. Leenen HJ. **J Med Ethics** 1982 Mar; 8(1):33-6
Emergency medicine. An important specialty today. Wagner DK. **Surg Annu** 1981;13:383-90

SUPPLY & DISTRIBUTION

[Methodological characteristics of estimating the number of medical posts for providing 24-hour emergency ambulatory traumatological services] Rogovoi MA. **Ortop Travmatol Protez** 1981 Aug;(8):66-8 **(Rus)**
[Methodological approaches to the estimation of the need of the Moscow population in emergency medical care] Isakhanov PM. **Sov Med** 1982;(3):72-5 **(Rus)**

TRENDS

Progress in acute cardiac care [editorial] Lambrew CT. **Ann Emerg Med** 1982 Jan;11(1):88-9
Community-based cardiopulmonary resuscitation: what have we learned? Cobb LA, et al. **Ann NY Acad Sci** 1982; 382:330-42
Pattern of care for mild head injuries in accident and emergency department. Maitra AK. **Br J Clin Pract** 1981 Nov-Dec;35(11-12):385-9
The emergi-center and family practice in the 1980s. Corpron DO. **J Fam Pract** 1982 Jul;15(1):194-6
The role of the Emergency Medical Services in organ donation. Whittier FC, et al. **Proc Clin Dial Transplant Forum** 1980;10:155-9
[Psychiatric provisions for patients in departments for treatment of acute poisoning from the standpoint of manpower standards] Rogovoi MA, et al. **Zh Nevropatol Psikhiatr** 1982;82(2):253-7 (Eng. Abstr.) **(Rus)**

UTILIZATION

Prehospital cardiac care: does it make a difference? Cobb LA. **Am Heart J** 1982 Feb;103(2):316-8
Reduction of mortality from prehospital myocardial infarction by prudent patient activation of mobile coronary care system. Lewis RP, et al. **Am Heart J** 1982 Jan; 103(1):123-30
Efficacy of skull radiography. Balasubramaniam S, et al. **Am J Surg** 1981 Sep;142(3):366-9
The decision to see the physician: differential diagnosis of the 1 AM dilemma. Weyrauch KF. **J Fam Pract** 1982 Aug; 15(2):237-8, 240, 242 passim
A by-pass card for infants. Pike LA. **Practitioner** 1981 Jul; 225(1357):956-7
[Emergency medical services in a city with diversified industries] Agaev FB, et al. **Sov Zdravookhr** 1981;(12):13-5 (Eng. Abstr.) **(Rus)**
[Patterns in incoming calls for medical first aid in Moscow] Komarov BD, et al. **Sov Zdravookhr** 1982;(1):21-4 (Eng. Abstr.) **(Rus)**

EMERGENCY MEDICAL TAGS see under **EQUIPMENT AND SUPPLIES**

EMERGENCY MEDICAL TECHNICIANS see under **ALLIED HEALTH PERSONNEL**

EMERGENCY MEDICINE

The transmission and interpretation of emergency department radiographs. James JJ, et al. **Ann Emerg Med** 1982 Aug; 11(8):404-8
Trauma center development. Thompson CT. **Ann Emerg Med** 1981 Dec;10(12):662-5
Critical care medicine and the emergency physician [editorial] Wagner DK. **Ann Emerg Med** 1982 Jan; 11(1):87-8
Emergency medicine audiovisual satellite Library at Bowman Gray School of Medicine. Parker C, et al. **Bull Med Libr Assoc** 1981 Oct;69(4):393-5
Report to the American Association for the Surgery of Trauma from its Committee on Issues. **J Trauma** 1981 Oct; 21(10):904-6
Emergency medicine: shock--do's and dont's of the trade. Moylan JA. **Proc Annu Meet Med Sect Am Counc Life Insur** 1981; 6:153-64
[Task presentation for computer-assisted laboratory diagnosis in emergency medicine] Steyer G, et al. **Z Med Lab Diagn** 1982 Apr 2;23(2):136-41 **(Ger)**
[Presentation of 2 formularies: 'Formulary of Clinical Therapeutics' (XV edition) and 'Formulary of Emergencies' (XVII edition] Lorenzo Velázquez B. **An R Acad Nac Med (Madr)** 1981;98(2):211-26 **(Spa)**

ECONOMICS

On entrepreneurs ethics, and leadership [letter] **Ann Emerg Med** 1982 Sep;11(9):519-21

EDUCATION

Impact of attending level supervision of the emergency department experience. Kroboth FJ, et al. **Ann Emerg Med** 1982 Apr;11(4):192-6
Pediatric training in emergency medicine residency programs. Ludwig S, et al. **Ann Emerg Med** 1982 Apr; 11(4):170-3
Emergencies in the home. Organising and training for emergencies. Rawlins D. **Br Med J [Clin Res]** 1981 Nov 7;283(6301):1229-30
Emergency medicine in perspective. Walker DM. **Can Med Assoc J** 1982 Jul 15;127(2):116-8
Training for the effective management of medical emergencies. Kinne RD. **Dent Clin North Am** 1982 Jan; 26(1):147-62
MEDEMG: a computer-managed continuing education course in the management of medical emergencies. Fast TB, et al. **J Oral Med** 1982 Apr-Jun;37(2):58-61
The Fort Carson MEDDAC Emergency War Surgery Course: an early appraisal. Wittich AC, et al. **Milit Med** 1982 May;147(5):396-9
Educating primary physicians in emergency surgical procedures. Orient JM, et al. **South Med J** 1982 Jul; 75(7):852-4
[Quality improvement in student training in traumatology and orthopedics] Gorshkov SZ, et al. **Ortop Travmatol Protez** 1981 Sep;(9):61-5 **(Rus)**
[Teaching of polyclinic and emergency therapy during the internship] Galkin VA, et al. **Ter Arkh** 1982;54(1):20-5 **(Rus)**

HISTORY

Emergency medicine in colonial America: Revolutionary War casualties. Jelenko C 3d, et al. **Ann Emerg Med** 1982 Jan;11(1):73-6
[Hygiene, preventive and accident medicine in the writings of Prof. Johann Heinrich Schulze (1687-1744) from Halle] Kaiser W, et al. **Z Gesamte Hyg** 1981 Oct;27(10):779-84 (Eng. Abstr.) **(Ger)**
[50th anniversary of the Sverdlovsk Research Institute of Traumatology and Orthopedics] Lubegina ZP. **Ortop Travmatol Protez** 1981 Dec;(12):58-61 **(Rus)**

INSTRUMENTATION

Tourniquet syndrome caused by metallic bands: a new tool for removal. Greenspan L. **Ann Emerg Med** 1982 Jul; 11(7):375-8
The doctor's bag: emergency equipment. **Aust Fam Physician** 1982 Apr;11(4):279-80
[Characteristics of creative inventions in general and emergency surgery] Pikenin AM, et al. **Klin Khir** 1982 Apr; (4):32-5 **(Rus)**

STANDARDS

The ethics of emergency medicine research [editorial] Amey BD. **Ann Emerg Med** 1982 Sep;11(9):518
Assessment of clinical competence on the Emergency Medicine Specialty Certification Examination: the validity of examiner ratings of simulated clinical encounters. Maatsch JL. **Ann Emerg Med** 1981 Oct;10(10):504-7
Emergency medicine. An important specialty today. Wagner DK. **Surg Annu** 1981;13:383-90

TRENDS

Reanimatology--the science of resuscitation. Safar P. **Crit Care Med** 1982 Feb;10(2):134-6
Critical care medicine in a private hospital. Arostegui M, et al. **South Med J** 1982 Jun;75(6):697-700

EMERGENCY OUTPATIENT UNIT see **EMERGENCY SERVICE, HOSPITAL**

EMERGENCY SERVICE, HOSPITAL

Prehospital and initial hospital management of acute myocardial infarction. Rackley CE, et al. **Ala J Med Sci** 1981 Jul;18(3):255-8
Evaluation and outcome of emergency room patients with transient loss of consciousness. Day SC, et al. **Am J Med** 1982 Jul;73(1):15-23
Discharge dilemma for an ED nurse. Kucler MA. **Am J Nurs** 1981 Nov;81(11):2010-2
The effect of immediate access to a computerized medical record on physician test ordering: a controlled clinical trial in the emergency room. Wilson GA, et al. **Am J Public Health** 1982 Jul;72(7):698-702
Utilization of antibiotics: analysis of appropriateness of use. Bernstein LR, et al. **Ann Emerg Med** 1982 Aug;11(8):400-3
Emergency department thoracotomy. Flynn TC, et al. **Ann Emerg Med** 1982 Aug;11(8):413-6
Abdominal radiography in the emergency department: a prospective analysis. McCook TA, et al. **Ann Emerg Med** 1982 Jan;11(1):23-4
Pattern of care for mild head injuries in accident and emergency department. Maitra AK. **Br J Clin Pract** 1981 Nov-Dec;35(11-12):385-9
Chaplain to casualty. Lapwood R. **Br Med J [Clin Res]** 1982 Jul 17;285(6336):194-5
ABC of 1 to 7. 1 services for children: accident and emergency departments and inpatients. Valman HB. **Br Med J [Clin Res]** 1982 Apr 3;284(6321):1023-6
Hospital aspects of dental trauma. Dungy AF. **Dent Clin North Am** 1982 Jul;26(3):555-64
Emergency ward management of the borderline patient. Beresin E, et al. **Gen Hosp Psychiatry** 1981 Sep;3(3):237-44 (32 ref.)
A study of the contents of referral letters from general practitioners to an accident and emergency department. Thurston CJ, et al. **Health Bull (Edinb)** 1982 May; 40(3):120-4
Battered women find help, understanding at Boston hospital. **Hospitals** 1981 Nov 1;55(21):46, 48
The family of the emergency room patient as seen through the eyes of the nurse. Yoder L, et al. **Int J Nurs Stud** 1982; 19(1):29-36
The role of a county hospital in a major disaster: Mallow Hospital and the Buttevant rail crash. Gaffney PR, et al. **Ir Med J** 1981 Sep;74(9):260-1
Emergency room therapy of the pediatric patient with status

asthmaticus. Siegel RL, et al. **J Asthma** 1982;19(1):47–52
The emergency room nurse and the psychiatric patient. Yoder L, et al. **J Psychosoc Nurs Ment Health Serv** 1982 Jun;20(6):22–8
Surgical gloves during wound repair in the accident-and-emergency department. Bodiwala GG, et al. **Lancet** 1982 Jul 10;2(8289):91–2
Crash carts [letter] Nobel JJ. **Med Instrum** 1982 May–Jun; 16(3):146–7
Use of physiotherapy in a children's casualty department [letter] Anderson DM, et al. **Med J Aust** 1982 Mar 6; 1(5):203
Primary care in the emergency room [letter] Colloff E. **N Engl J Med** 1982 Sep 23;307(13):829
Hypothermia detection in emergency departments. How low does your thermometer go? Sherman FT, et al. **NY State J Med** 1982 Mar;82(3):374–6
Accidental hypothermia: a community hospital perspective. Davidson M, et al. **Postgrad Med** 1981 Nov;70(5):42–9
Rape crisis intervention in the emergency room: a new challenge for social work. Vera MI. **Soc Work Health Care** 1981 Spring;6(3):1–11
Diagnostic dilemmas and cultural diversity in emergency rooms. Weaver C, et al. **West J Med** 1980 Oct; 133(4):356–66
[The disease pattern in an acute medical department with special attention to the significance of psycho-social problems] Krusell LR, et al. **Ugeskr Laeger** 1982 Apr 5; 144(14):1049–52 (Eng. Abstr.) **(Dan)**
[Glance at the daily life in the emergency medical ward] **Acta Med Leg Soc (Liege)** 1979;29(1):43–7 **(Fre)**
[Compensation for availability and performance of emergency service by this chief physician] Rieger HJ. **Dtsch Med Wochenschr** 1982 Aug 6;107(31–32):1205–8 **(Ger)**
[Disasters in Germany] Gurn HE. **MMW** 1982 Apr 30; 124(17):422–4 **(Ger)**
[Emergency tests in the central laboratory of a hospital (author's transl)] Gibitz HJ. **Wien Med Wochenschr** 1981; 131(13–14):345–51 (Eng. Abstr.) **(Ger)**
[Blood cell counter and electrolytes measurement in primary care and emergency in hospital (author's transl)] Kono T. **Rinsho Byori** 1981 Jan;29(1):48–52 **(Jpn)**
[Urgent off-time cross-match test (author's transl)] Moriyasu I, et al. **Rinsho Byori** 1981 Jan;29(1):68–72 **(Jpn)**
[Emergency laboratory service in Shimane Prefectural Central Hospital (author's transl)] Takeda I, et al. **Rinsho Byori** 1981 Jan;29(1):37–41 **(Jpn)**
[Correspondence of blood transfusion section for an emergency examination (author's transl)] Yamamoto K. **Rinsho Byori** 1981 Jan;29(1):73–7 **(Jpn)**
[Evaluation of epicrisis] Janssen CW Jr. **Tidsskr Nor Laegeforen** 1981 Sep 30;101(27):1494–6 (Eng. Abstr.) **(Nor)**

ECONOMICS

Cost justification of decentralized pharmaceutical services for the emergency room. Whalen FJ. **Am J Hosp Pharm** 1981 May;38(5):684–7
Hospital moves to differential charges system [interview] O'Shea JS. **Hospitals** 1982 Feb 1;56(3):44–5

MANPOWER

Change in nursing shift patterns improves emergency department. Ward RT, et al. **Hospitals** 1981 Oct 16; 55(20):64, 68
Full-time staffing in emergency departments: boon or bane. McEwen MT. **J Okla State Med Assoc** 1981 Aug; 74(8):226–8
Staffing of A & E departments [letter] Cant BR. **NZ Med J** 1981 Dec 23;94(698):471

ORGANIZATION & ADMINISTRATION

Hospital organizational response to the nuclear accident at Three Mile Island: implications for future-oriented disaster planning. Maxwell C. **Am J Public Health** 1982 Mar; 72(3):275–9
Use of an observation ward in a community hospital. Farrell RG. **Ann Emerg Med** 1982 Jul;11(7):353–7
The potential for drug interactions. Karas S Jr. **Ann Emerg Med** 1981 Dec;10(12):627–30
Poison centers and emergency departments: friends or foes? [editorial] Rumack BH, et al. **Ann Emerg Med** 1982 Jul; 11(7):388
An 18-month evaluation of the Akron General Medical Center assault/rape protocol. Schelble DT, et al. **Ann Emerg Med** 1982 Jan;11(1):27–35
Sexual abuse of children. Shah CP, et al. **Ann Emerg Med** 1982 Jan;11(1):41–6
Computerized triage of pediatric patients: automated triage algorithms. Wilson LO, et al. **Ann Emerg Med** 1981 Dec; 10(12):636–40
Microcomputer system in an accident unit. Clarkson DM, et al. **Br Med J [Clin Res]** 1982 Mar 6;284(6317):722–4
Care of emergencies in the United Kingdom. Irving M. **Br Med J [Clin Res]** 1981 Sep 26;283(6295):847–9
Emergency psychiatry in the general hospital: staffing, training, and leadership issues. Slaby AE. **Gen Hosp Psychiatry** 1981 Dec;3(4):306–9
Evaluating emergency group physicians. **Hospitals** 1982 Jun 16;56(12):40, 42, 46
24-hour satellite facility serves unincorporated community. Major M. **Hospitals** 1981 Nov 1;55(21):39–40
'Life Flight' brings emergency care to rural mountainous areas. Thompson WB. **Hospitals** 1981 Oct 1;55(19):49
Consider start-up/operating costs in choosing helicopter services [interview] Tye JB. **Hospitals** 1982 May 16; 56(10):60
An integrated university emergency medicine – trauma program. Geis WP, et al. **J Trauma** 1982 Apr;22(4):295–302
The Cardington disaster. Mullinax CW. **Ohio State Med J** 1981 Sep;77(9):530–2
A concept of emergency and ambulatory medicine. Heberden P. **S Afr Med J** 1981 Nov 21;60(21):803
[Emergency clinics, present problems, and some suggestions for improvement (author's transl)] Fan G, et al. **Chung Kuo I Hsueh Ko Hsueh Yuan Hsueh Pao** 1979 Sep; 1(1):81–5 (Eng. Abstr.) **(Chi)**
[Emergency diagnosis: emergency laboratory. Sequel 2: arrangement of the emergency laboratory, organization, methods and instruments] Hannak D, et al. **Fortschr Med** 1981 Feb 5;99(5):140–4 **(Ger)**

STANDARDS

Emergency care guidelines. American College of Emergency Physicians. **Ann Emerg Med** 1982 Apr;11(4):222–6
Nitrous oxide levels in the emergency department. Dula DJ, et al. **Ann Emerg Med** 1981 Nov;10(11):575–8
Resuscitation and transfer of trauma patients: a prospective study. Hicks TC, et al. **Ann Emerg Med** 1982 Jun; 11(6):296–9
Burn patients' evaluation of emergency department care. Linn BS. **Ann Emerg Med** 1982 May;11(5):255–9
Emergency medicine in perspective. Walker DM. **Can Med Assoc J** 1982 Jul 15;127(2):116–8
A study of referral failures for potentially suicidal patients: a method of medical care evaluation. Knesper DJ. **Hosp Community Psychiatry** 1982 Jan;33(1):49–52
The 'dumping' dilemma: finding what's fair. Friedman E. **Hospitals** 1982 Sep 16;56(18):75, 77, 80 passim
A computer-derived protocol to aid in the diagnosis of emergency room patients with acute chest pain. Goldman L, et al. **N Engl J Med** 1982 Sep 2;307(10):588–96
Emergency hospital services guidelines. Burns JR. **NY State J Med** 1981 Oct;81(11):1691–2
Testing the system. Mandell HN. **Postgrad Med** 1982 Jun; 71(6):25, 28–9
Hospital based cardiopulmonary resuscitation: it could be better. Goldman SL. **Resuscitation** 1981 Dec;9(4):345–51
[Emergency medical services and clinical laboratory (author's transl)] Kohama A. **Rinsho Byori** 1981 Jan; 29(1):30–5 **(Jpn)**
[Investigation on emergency laboratory tests at various center hospitals in Japan (author's transl)] Mizushima J **Rinsho Byori** 1981 Jan;29(1):42–7 **(Jpn)**

UTILIZATION

In the wake of Mount St Helens. Nania J, et al. **Ann Emerg Med** 1982 Apr;11(4):184–91
Anaesthetic emergency service at three hospitals—a decade of change. Major E, et al. **Br J Anaesth** 1982 Mar; 54(3):267–78
Use of accident and emergency department by patients from one general practice. Hall RG. **Br Med J [Clin Res]** 1982 Mar 20;284(6319):871–3
The telephone—a viable medium for health education. Nicklin WM. **Dimens Health Serv** 1981 Aug;58(8):9–11
The relationship between air pollution and emergency room visits in an industrial community. Samet JM, et al. **J Air Pollut Control Assoc** 1981 Mar;31(3):236–40
Geriatric psychiatry in the emergency department: characteristics of geriatric and non-geriatric admissions. Waxman HM, et al. **J Am Geriatr Soc** 1982 Jul;30(7):427–32
Primary care and accident and emergency departments in an urban area. Reilly PM. **J R Coll Gen Pract** 1981 Apr; 31(225):223–30
Drug-related problems in London accident and emergency departments. A twelve month survey. **Lancet** 1981 Oct 17; 2(8251):859–62
Community health centers: an initiative of enduring utility. Freeman HE, et al. **Milbank Mem Fund Q** 1982 Spring; 60(2):245–67
Children of the night. Wilson LO, et al. **Milit Med** 1982 May;147(5):384–6
Protocol for selecting patients with injured extremities who need X-rays [letter] **N Engl J Med** 1982 Jul 22;307(4):256–7
Primary care in the emergency room: high in cost and low in quality [letter] Bliss HA. **N Engl J Med** 1982 Apr 22; 306(16):998
A & E departments [letter] Bonham RJ. **NZ Med J** 1981 Oct 14;94(693):280
Why skip the general practitioner? [letter] Bonham RJ. **NZ Med J** 1981 Nov 11;94(695):359
Why skip the general practitioner and go to the accident and emergency department? Kljakovic M, et al. **NZ Med J** 1981 Jul 22;94(688):49–52
Why skip the A & E department [letter] Kljakovic M, et al. **NZ Med J** 1981 Oct 28;94(694):315–6
Casualty attendances: one year's experience at Waikato Hospital. McRae S, et al. **NZ Med J** 1982 Jan 13; 95(699):12–4
Road traffic accident related morbidity as seen in an accident and emergency department. Galloway DJ, et al. **Scott Med J** 1981 Apr;26(2):121–4
Use of emergency room facilities in a rural area: a spatial analysis. Basu R. **Soc Sci Med** 1982;16(1):75–84
[The effect of a liquor store strike on consultations at a casualty department] Nesvold H, et al. **Tidsskr Nor Laegeforen** 1981 Sep 20;101(26):1442–4 (Eng. Abstr.) **(Nor)**
[Review and control of admissions in the Central Emergencies area of the La Fe Health Center, Valencia. Time period: 10–16 April 1978] Fenollosa Entrena B, et al. **Rev Sanid Hig Publica (Madr)** 1979 Nov–Dec; 53(11–12):1651–72 (Eng. Abstr.) **(Spa)**

EMERGENCY SERVICES, PSYCHIATRIC see under **MENTAL HEALTH SERVICES**

EMETICS

Emergency induction of emesis using liquid detergent products [letter] Cloyd GG. **J Toxicol Clin Toxicol** 1982 Apr;19(2):231

ADVERSE EFFECTS

Emesis: safe and effective [editorial] Rumack BH, et al. **Ann Emerg Med** 1981 Oct;10(10):551
[Hypertonic sodium chloride as an emetic—a dangerous method] Persson H, et al. **Lakartidningen** 1981 Sep 30; 78(40):3498–9 (Eng. Abstr.) **(Swe)**

POISONING

Fatal poisoning with sodium chloride. Gresham GA, et al. **Forensic Sci Int** 1982 Jul–Aug;20(1):87–8

THERAPEUTIC USE

Nonmedical treatment of alcoholism with emetic drugs and disulfiram in Brazil. Masur J, et al. **J Stud Alcohol** 1981 Sep;42(9):814–7

EMETINE

PHARMACODYNAMICS

Inhibition of the metabolism and motility of human spermatozoa by various alkaloids. Trifunac NP, et al. **Contraception** 1982 Jan;25(1):69–87
Modification of transcriptional activity induced by protein synthesis inhibitors in salivary gland cells of Chironomus thummi. Aller P, et al. **Cytobios** 1981;31(123–124):179–90
Electrical properties of rat extensor digitorum longus muscle after chronic application of emetine to the motor nerve. Conte-Camerino D, et al. **Exp Neurol** 1982 Jul;77(1):1–11
The growth of Chlamydia in McCoy cells treated with emetine. Paul ID. **Med Lab Sci** 1982 Jan;39(1):15–32
Emetine resistance in chinese hamster ovary cells is associated with an altered ribosomal protein S14 mRNA. Madjar JJ, et al. **Proc Natl Acad Sci USA** 1982 Feb; 79(4):1003–7

TOXICITY

Assessment of emetine cardiotoxicity in a subacute toxicity experiment in rats. Zbinden G, et al. **J Cardiovasc Pharmacol** 1980;2(2):155–64

EMIGRATION AND IMMIGRATION

Adults' recollection of their language deprivation as immigrant children. Marcos LR. **Am J Psychiatry** 1982 May;139(5):607–10
Foreign-born persons with tuberculosis in the United States. Powell KE, et al. **Am J Public Health** 1981 Nov; 71(11):1223–7
Isoniazid prophylaxis in new immigrants [letter] Passes HI. **Ann Intern Med** 1981 Nov;95(5):657
Traveller's diarrhoea with a vengeance in children of UK immigrants visiting their parental homeland. Hutchins P, et al. **Arch Dis Child** 1982 Mar;57(3):208–11
First admissions of native-born and immigrants to psychiatric hospitals in South-East England 1976. Dean G, et al. **Br J Psychiatry** 1981 Dec;139:506–12
Transplantation, identity and drug addiction. Amaral Dias CA, et al. **Bull Narc** 1981;33(1):21–6
Dental health and parental attitudes in Finnish immigrant preschoolchildren in the north of Sweden. Ekman A, et al. **Community Dent Oral Epidemiol** 1981 Oct;9(5):224–9
Immigration and the stable population model. Espenshade TJ, et al. **Demography** 1982 Feb;19(1):125–33
Social class and psychological disorder in natives and immigrants to Britain. Cochrane R, et al. **Int J Soc Psychiatry** 1981 Autumn;27(3):173–83
Anthropometric measurements and Darwinian fitness. Mueller WH, et al. **J Biosoc Sci** 1981 Jul;13(3):309–16
Marital migration and gene glow on the mainland of New Guinea. Nurse GT. **J Biosoc Sci** 1981 Jul;13(3):357–62
The Tokelau island study: fertility of New Zealand migrants. Stanhope JM, et al. **J Biosoc Sci** 1981 Jul;13(3):253–60
Using the 'english as a second language' class as a medium for nutrition education to immigrant groups. Tyers S. **J Hum Nutr** 1981 Oct;35(5):375–8
The prevalence of tuberculosis and drug resistance among Haitians. Pitchenik AE, et al. **N Engl J Med** 1982 Jul 15;

307(3):162–5
Medical immigration [letter] Holmes J. **NZ Med J** 1981 Nov 25;94(696):395
Skin diseases of immigrants. Hindson TC. **Practitioner** 1982 Jul;226(1369):1271–4
Relationship of 1977 state suicide rates to population increases and immigration. Boor M. **Psychol Rep** 1981 Dec; 49(3):856–8
Comparative analysis of immigration and suicide. Stack S. **Psychol Rep** 1981 Oct;49(2):509–10
Growth of immigrant children in the centre of Glasgow. Goel KM, et al. **Scott Med J** 1981 Oct;26(4):340–5
Neonatal malaria in an American born infant of an Asian immigrant. Brandenburg R, et al. **SD J Med** 1982 Jun; 35(6):17–21
The effects of latent social needs on physician utilization by immigrants: a replication study. Honig–Parnass T. **Soc Sci Med** 1982;16(5):505–14
Philippine nurses and the brain drain. Joyce RE, et al. **Soc Sci Med** 1982;16(12):1223–33
Imported filariasis in Pakistan. Aslamkhan M, et al. **Trans R Soc Trop Med Hyg** 1981;75(6):869–71
[Employment of foreign language interpreters in the health services] Klebak S, et al. **Ugeskr Laeger** 1981 Dec 14; 143(51):3488–91 (Eng. Abstr.) **(Dan)**
[Handicaps in second generation foreigners; a diary study] Meyssen SG. **Ned Tijdschr Geneeskd** 1981 Oct 10; 125(41):1683–4 **(Dut)**
[Immigrant osteomalacia] Gallino A, et al. **Schweiz Med Wochenschr** 1982 Jan 30;112(5):163–5 (Eng. Abstr.) **(Ger)**
[Incidence of congenital malformations among births of foreign workers (author's transl)] Spernol R, et al. **Wien Med Wochenschr** 1981;131(12):319–24 (Eng. Abstr.) **(Ger)**
[Andrological problems with foreign workers (author's transl)] Stute J. **Z Hautkr** 1981 Jun 15;56(12):806–9 (Eng. Abstr.) **(Ger)**

HISTORY

Refugees, immigrants, and the public health. Yankauer A. **Am J Public Health** 1982 Jan;72(1):12–4

TRENDS

Immigration, emigration, and opting out by Canadian physicians under national medicare. Wolfe S. **J Public Health Policy** 1981 Mar;2(1):80–6
[The mass migration in which we live] Barolin GS. **Fortschr Med** 1982 May 6;100(17):769–70 **(Ger)**

EMMONSIA see under **MONILIALES**

EMODIN see under **ANTHRAQUINONES**

EMOLLIENTS see under **DERMATOLOGIC AGENTS**

EMOTIONAL DISTURBANCES see **AFFECTIVE SYMPTOMS**

EMOTIONAL STRESS see **STRESS, PSYCHOLOGICAL**

EMOTIONS

see related
AFFECTIVE SYMPTOMS
MOTIVATION

Conditioned emotional response after dorsohippocampal, ventrohippocampal or entorhinal cortical lesions in rats. Balezina NP, et al. **Acta Neurobiol Exp (Warsz)** 1981; 41(6):605–17
Production and perception of facial expressions in infancy and early childhood. Field TM, et al. **Adv Child Dev Behav** 1982;16:169–211 (70 ref.)
Pain and emotion: their correlation in headache. Merskey H. **Adv Neurol** 1982;33:135–43
Acupuncture and homeostasis: physiological, physical (postural) and psychological. Plummer JP. **Am J Chin Med** 1981 Spring;9(1):1–14
Adopting an older child: the emotional process. The legal process. Brockhaus JP, et al. **Am J Nurs** 1982 Feb; 82(2):288–94
Somatic and emotional aspects of the normal pregnancy experience: the first 5 months. Lips HM. **Am J Obstet Gynecol** 1982 Mar 1;142(5):524–9
Effect of stimulus on the chemical composition of human tears. Frey WH 2d, et al. **Am J Ophthalmol** 1981 Oct; 92(4):559–67
Hypertension labeling and sense of well-being. Bloom JR, et al. **Am J Public Health** 1981 Nov;71(11):1228–32
The effects of life stress and weight on mood and eating. Slochower J, et al. **Appetite** 1981 Jun;2(2):115–25
Denial of emotional needs to people with handicaps. Zola IK. **Arch Phys Med Rehabil** 1982 Feb;63(2):63–7
Making new bonds between adults and children. Rickarby G, et al. **Aust Fam Physician** 1981 Oct;10(10):780–1
A social study of dwarfing conditions. III. The social and emotional experiences of adults with bone dysplasias. Stace L, et al. **Aust Paediatr J** 1981 Sep;17(3):177–82
Emotional reactions to military aircraft accidents. Jones DR. **Aviat Space Environ Med** 1982 Jun;53(6):595–8
Analysis of facial displays and verbal report to assess subjective state in the non-invasive detection of limbic system activation by procaine hydrochloride. Stark–Adamec C, et al. **Behav Brain Res** 1982 Jan; 4(1):77–94
Emotional reactions of expectant fathers to their wives' first pregnancy. Gerzi S, et al. **Br J Med Psychol** 1981 Sep;54(Pt 3):259–65
Anhedonia and schizophrenia. Cook M, et al. **Br J Psychiatry** 1981 Dec;139:523–5
Psychiatric interviewing techniques. VI. Experimental study: eliciting feelings. Cox A, et al. **Br J Psychiatry** 1981 Aug; 139:144–52
Judgement of emotional expression in schizophrenics. Cutting J. **Br J Psychiatry** 1981 Jul;139:1–6
Psychiatric interviewing techniques. III. Naturalistic study: eliciting feelings. Hopkinson K, et al. **Br J Psychiatry** 1981 May;138:406–15
Psychophysiological responses of schizophrenic patients to high and low expressed emotion relatives. Sturgeon D, et al. **Br J Psychiatry** 1981 Jan;138:40–5
Self-report multiple mood instruments. Howarth E, et al. **Br J Psychol** 1981 Nov;72(Pt 4):421–41 (137 ref.)
Intellectual and emotional sequelae of Reye's Syndrome. Benjamin PY, et al. **Crit Care Med** 1982 Sep;10(9):583–7
The emotional reaction of dentists to malpractice suits. Goodwin WW. **Dent Clin North Am** 1982 Apr;26(2):405–9
Emotional aspects of infertility. Seibel MM, et al. **Fertil Steril** 1982 Feb;37(2):137–45 (76 ref.)
The influence of negative air ions on human performance and mood. Tom G, et al. **Hum Factors** 1981 Oct;23(5):633–6
Diurnal mood fluctuation and age. Templer DI, et al. **Int J Aging Hum Dev** 1981–82;14(3):189–93
On the mechanism underlying facial-affective agnosia in senile demented patients. Brosgole L, et al. **Int J Neurosci** 1981;15(4):207–15
Control of complex conation and emotion in the neocortex by the limbic entorhinal, subicular, and cingulate cortices and the hypothalamus, mammillary body, and thalamus. Pay RG. **Int J Neurosci** 1981;15(1–2):1–30
Loudness, annoyance, and noisiness produced by single-tone-noise complexes. Hellman RP. **J Acoust Soc Am** 1982 Jul;72(1):62–73
Unwed teenage fathers: emotional and health educational needs. Elster AB, et al. **J Adolesc Health Care** 1980 Dec; 1(2):116–20
Regulation of emotional expression in infants from two contrasting caretaking environments. Gaensbauer TJ. **J Am Acad Child Psychiatry** 1982 Mar;21(2):163–70
The emotive imagery treatment of a child's trauma-induced phobia. Jackson HJ, et al. **J Behav Ther Exp Psychiatry** 1981 Dec;12(4):325–8
The meaning of infant emotional expressions: regularities in caregiving responses in normal and Down's syndrome infants. Sorce JF, et al. **J Child Psychol Psychiatry** 1982 Apr;23(2):145–58
The impact of moving a geriatric population: mortality and emotional aspects. Dube AH. **J Chronic Dis** 1982;35(1):61–4
Emotionality and aging: a theoretical and empirical analysis. Schulz R. **J Gerontol** 1982 Jan;37(1):42–51
Premenstrual and menstrual mood changes in adolescent women. Golub S, et al. **J Pers Soc Psychol** 1981 Nov; 41(5):961–5
On the induction of emotion in the laboratory: discrete moods or multiple affect states? Polivy J. **J Pers Soc Psychol** 1981 Oct;41(4):803–17
Affective education – a two-sided coin. Read DA. **J Sch Health** 1982 May;52(5):315–6
Social and affective factors associated with adolescent pregnancy. Smith PB, et al. **J Sch Health** 1982 Feb; 52(2):90–3
Affectional climate in the family of origin and the experience of subsequent sexual-affectional behaviors. Wallace DH. **J Sex Marital Ther** 1981 Winter;7(4):296–306
Negative affect, alcohol consumption and hangover symptoms among normal drinkers in a small community. Harburg E, et al. **J Stud Alcohol** 1981 Nov;42(11):998–1012
Similarities in the self-depictions of men alcoholics and psychiatric outpatients. An examination of Eysenck's dimension of emotionality. MacAndrew C. **J Stud Alcohol** 1981 May;42(5):421–31
Understanding and coping with emotional clients. Voith VL. **Mod Vet Pract** 1981 May;62(5):394–6
The nature of suffering and the goals of medicine. Cassel EJ. **N Engl J Med** 1982 Mar 18;306(11):639–45
Sex differences in asymmetry in the facial expression of emotion. Alford R, et al. **Neuropsychologia** 1981; 19(4):605–8
A left-ear advantage for identifying the emotional quality of tonal sequences. Bryden MP, et al. **Neuropsychologia** 1982;20(1):83–7
Physiologic and psychosocial assessment in labor. Howe CL. **Nurs Clin North Am** 1982 Mar;17(1):49–56
The psychosocial impact of infertility. Menning BE. **Nurs Clin North Am** 1982 Mar;17(1):155–63
Effects of information about a threatening procedure on patients' expectations and emotional distress. Hartfield MT, et al. **Nurs Res** 1982 Jul–Aug;31(4):202–6
Depression, anhedonia and anxiety in temporomandibular joint and other facial pain syndromes. Marbach JJ, et al. **Pain** 1981 Aug;11(1):73–84
Timidity prevents the virgin female rat from being a good mother: emotionality differences between nulliparous and parturient females. Fleming AS, et al. **Physiol Behav** 1981 Nov;27(5):863–8
Social and solitary drinking: effects on consumption and mood in male social drinkers. Lindman R. **Physiol Behav** 1982 Jun;28(6):1093–5
Differences between rats and undernourished preweaning, and controls in learning about a redundant stimulus during acquisition of a conditioned emotional response. Stephens DN, et al. **Physiol Behav** 1982 Jan;28(1):95–101
Psychology of retirement. Kapit HE. **Proc Virchow Pirquet Med Soc** 1980 Dec;34:88–106
How parent attitudes and emotional reactions affect their handicapped child's self-concept. Harvey D, et al. **Psychol Med** 1982 May;12(2):357–70
Eating behavior, emotions, and overweight. Hudson A, et al. **Psychol Rep** 1981 Apr;48(2):669–70
A review of the alexithymia concept. Lesser IM. **Psychosom Med** 1981 Dec;43(6):531–43 (60 ref.)
Self-evaluation of acne and emotion: a pilot study. Medansky RS, et al. **Psychosomatics** 1981 May;22(5):379–83
Relation of personality and emotional factors to myocardial ischemia, methodology and first observations. Papageorgiou C, et al. **Psychother Psychosom** 1981; 36(2):92–7
Mood and sleep. II. Effects of aversive pre-sleep stimulation. Cluydts R, et al. **Waking Sleeping** 1980 Jul–Sep; 4(3):199–203
[Pain caused by stress; acute pain] Groenman NH. **Ned Tijdschr Geneeskd** 1981 Oct 10;125(41):1667–9 **(Dut)**
[Correspondence analysis as a method to verify the linearity of each item of the Zerssen's mood scale BfS–BfS' (author's transl)] von Frenckell R. **Acta Psychiatr Belg** 1980 Nov–Dec;80(6):839–45 **(Fre)**
[Evaluation of emotional reactions of the rat elicited by biologicaly meaningful odorants during an operant behavior (author's transl)] Cattarelli M, et al. **Physiol Behav** 1981 Sep;27(3):445–55 (Eng. Abstr.) **(Fre)**
[The role of passion in medical thinking from Pinel to Moreau de Tours] Pigeaud JM. **Pubbl Stn Zool Napoli [II]** 1980; 2(1):123–40 **(Fre)**
[Experiment with direct emotional experience: role-playing in a Junior-Balint-Group (author's transl)] Wildbolz A. **Praxis** 1982 Feb 9;71(6):233–8 (Eng. Abstr.) **(Ger)**
[The unconscious and the emotions] Brauneck AE. **Psyche (Stuttg)** 1981 Nov;35(11):1034–54 (Eng. Abstr.) **(Ger)**
[Guided affective imagery and anxiety control: a comparison of two specific factors of effect in psychotherapy (author's transl)] Tress W. **Psychother Psychosom Med Psychol** 1981 Sep;31(5):156–61 (Eng. Abstr.) **(Ger)**
[The cardiotocogram in a woman's emotional experience: aid to more pleasurable experience of delivery or technological bugbear? (author's transl)] Ringler M, et al. **Z Geburtshilfe Perinatol** 1981 Aug;185(4):236–9 (Eng. Abstr.) **(Ger)**
[Problems in assessing emotional reactions in the aged by means of experimental methods] Baltissen R, et al. **Z Gerontol** 1982 Jan–Feb;15(1):22–5 (Eng. Abstr.) **(Ger)**
[Emotional ties between children with peptic ulcer and their parents] Zdanowicz W, et al. **Pediatr Pol** 1981 Nov–Dec; 56(11–12):1351–4 (Eng. Abstr.) **(Pol)**
[Characteristics of the psychoemotional state of children undergoing dental treatment] Solov'ev MM, et al. **Stomatologiia (Mosk)** 1982 Jan–Feb;61(1):77–82 (Eng. Abstr.) **(Rus)**
[Recognition of the emotional and prosodic characteristics of voice and complex nonverbal sounds by patients with local brain lesions] Tarkhan AU, et al. **Zh Nevropatol Psikhiatr** 1981;81(12):1790–5 (Eng. Abstr.) **(Rus)**
[The effect of the psyche and emotions on phonation] Cvejić D. **Glas Srp Akad Nauka [Med]** 1981;326(34):43–52 **(Scc)**

DRUG EFFECTS

The effects of imipramine on socio-emotional and alimentary motivated behavior in dogs. Zagrodzka J, et al. **Acta Neurobiol Exp (Warsz)** 1981;41(4):363–72
The effects of external stimuli on the emotional-aversive response evoked by intrahypothalamic carbachol injections. Brudzyński SM, et al. **Behav Brain Res** 1982 Jan;4(1):33–43
Unusual mood stability in patients taking lithium. Folstein MF, et al. **Br J Psychiatry** 1982 Feb;140:188–91
Coffee and caffeine and alcohol effects on psychomotor function. Nuotto E, et al. **Clin Pharmacol Ther** 1982 Jan; 31(1):68–76
The effect of five tricyclic antidepressants on salivary flow and mood in healthy volunteers. Blackwell B, et al. **Commun Psychopharmacol** 1980;4(4):255–61
Drug preferences in humans. Johanson CE, et al. **Fed Proc** 1982 Feb;41(2):228–33
Alcohol's effects on human emotions: a review of the stimulation/depression hypothesis. Tucker JA, et al. **Int J Addict** 1982 Jan;17(1):155–80 (90 ref.)
Comparative effects of diazepam and buspirone on subjective feelings, psychological tests and the EEG. Bond AJ, et al. **Int Pharmacopsychiatry** 1981;16(4):212–20
Dysphoric response to neuroleptics as a predictor of treatment outcome with schizophrenics. A comparative study of haloperidol versus mesoridazine. White K, et al. **Int Pharmacopsychiatry** 1981;16(1):34–8

Interaction between effects of caffeine and lorazepam in performance tests and self-ratings. File SE, et al. **J Clin Psychopharmacol** 1982 Apr;2(2):102–6

The subacute effect of bromazepam on psychomotor activity and subjective mood. Hobi V, et al. **J Int Med Res** 1982; 10(3):140–6

Naloxone does not affect pain sensitivity, mood or cognition in patients with high levels of beta-endorphin in plasma. Mohs RC, et al. **Life Sci** 1982 May 24;30(21):1827–33

Effect of ceruletide on pituitary–hypothalamic peptides and on emotion in man. Basso N, et al. **Peptides (Fayetteville)** 1981;2 Suppl 2:71–5

The effects of melatonin on open field behavior. Golus P, et al. **Pharmacol Biochem Behav** 1981 Dec;15(6):883–5

Clonidine and the primate locus coeruleus: evidence suggesting anxiolytic and anti-withdrawal effects. Redmond DE Jr. **Prog Clin Biol Res** 1981;71:147–63

Marijuana and memory for feelings. Cowan J, et al. **Prog Neuropsychopharmacol Biol Psychiatry** 1982; 6(1):63–73

[Effects of afloqualone, a new centrally acting muscle relaxant, on DRL response and CER in rats (author's transl)] Yamamura M, et al. **Nippon Yakurigaku Zasshi** 1981 Oct;78(4):381–92 (Eng. Abstr.) **(Jpn)**

[Central effects of the tetrapeptide tuftsin] Val'dman AV, et al. **Biull Eksp Biol Med** 1981 Jul;92(7):31–3 (Eng. Abstr.) **(Rus)**

[Prenatal effect of hydrocortisone on the emotional reactivity of the adult male white rat] Dygalo NN. **Zh Vyssh Nerv Deiat** 1982 Jan–Feb;32(1):152–7 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

Hemispheric asymmetry in the expression of positive and negative emotions. Neurologic evidence. Sackeim HA, et al. **Arch Neurol** 1982 Apr;39(4):210–8 (103 ref.)

Tension reduction and the effects of prolonged alcohol consumption. Stockwell T, et al. **Br J Addict** 1982 Mar; 77(1):65–73

Biogenic monoamine turnover in discrete rat brain regions is correlated with conditioned emotional response and its conditioning history. Lane JD, et al. **Brain Res** 1982 May 20;240(1):95–108

The emotional brain. Eccles JC. **Bull Mem Acad R Med Belg** 1980;135(11):697–713

Cognitive performance, sleep quality and mood during deep oxyhelium diving. Lewis VJ, et al. **Ergonomics** 1981 Oct; 24(10):773–93

Effect of cingulate and fornix lesions on emotional behavior in rabbits (Oryctolagus cuniculus). Woodruff ML, et al. **Exp Neurol** 1981 Nov;74(2):379–95

Memorizing of emotionally meaningful and neutral information during adaptation of man to different climato-geographic conditions. Il'yuchenok RYu, et al. **Hum Physiol** 1981 Jan–Feb;7(1):65–70

Sex differences in the interaction of emotional factors with memory. Sinton CM. **Int J Neurosci** 1981;14(3–4):211–8

Organization of cardiovascular functions under experimental emotional stress. Sudakov KV. **J Auton Nerv Syst** 1981 Jul;4(2):165–80

Emotional bondedness, subjective well-being, and health in elderly medical patients. Snow R, et al. **J Gerontol** 1982 Sep;37(5):609–15

Facial, autonomic, and subjective components of emotion: the facial feedback hypothesis versus externalizer-internalizer distinction. Zuckerman M, et al. **J Pers Soc Psychol** 1981 Nov;41(5):929–44

Moodiness: a heavenly problem? Observations on the pathology of moodiness. Pollitt J. **J R Soc Med** 1982 Jan; 75(1):7–16

Effects of electroconvulsive shock on mouse-killing behavior (muricide) in olfactory bulbectomized rats. Shibata S, et al. **Jpn J Pharmacol** 1981 Apr;31(2):275–80

Endorphins and mood changes in long-distance running. Markoff RA, et al. **Med Sci Sports Exerc** 1982;14(1):11–5

A rat model of psychopathology for use in exercise science. Morgan WP, et al. **Med Sci Sports Exerc** 1982;14(1):91–100

Synchrony of subjective and psychophysiological responses in involutional depression. Rabavilas AD, et al. **Neuropsychobiology** 1982;8(3):156–61

Activity of nucleases in the rat brain during training with emotionally varying reinforcement. Trem'yak TM, et al. **Neurosci Behav Physiol** 1981 Jul–Aug;11(4):313–7

Emotions and conditioning mechanisms. Ilyutchenok RYu. **Pavlov J Biol Sci** 1981 Oct–Dec;16(4):194–203

Amino acid neurotransmitter utilization in discrete rat brain regions is correlated with conditioned emotional response. Lane JD, et al. **Pharmacol Biochem Behav** 1982 Feb; 16(2):329–40

Circadian pattern of stress response to affective cues of foot shock. Fukushima M, et al. **Physiol Behav** 1981 Nov; 27(5):915–20

Septal lesions, emotionality, and restraint-induced stomach pathology in rats. Henke PG. **Physiol Behav** 1982 Apr; 28(4):739–41

Effect of emotions on nociceptive threshold in rats. Jensen TS, et al. **Physiol Behav** 1982 Apr;28(4):597–9

Recognition and surprise alter the human visual evoked response. Neville H, et al. **Proc Natl Acad Sci USA** 1982 Mar;79(6):2121–3

Cardiovascular differentiation of happiness, sadness, anger, and fear following imagery and exercise. Schwartz GE, et al. **Psychosom Med** 1981 Aug;43(4):343–64

Mood and Sleep. I. Effects of the menstrual cycle. Cluydts R, et al. **Waking Sleeping** 1980 Jul–Sep;4(3):193–7

[Effects of sleep–deprivation on the mood of phasic depressive and healthy subjects; an empirical study (author's transl)] Bühler KE, et al. **Schweiz Arch Neurol Neurochir Psychiatr** 1980; 127(2):309–22 **(Ger)**

[Psychosomatic medicine and psychoanalytic observation: considerations on the mechanism of symptom formation] Horta e Silva F, et al. **Arq Gastroenterol** 1981 Jul–Sep; 18(3):100–2 (Eng. Abstr.) **(Por)**

[Primary role of the midbrain reticular formation in mediating the preventive effects of a UHF electromagnetic field on excitation of emotion-producing centers in the hypothalamus] Kashtanov SI, et al. **Biull Eksp Biol Med** 1981 Nov;92(11):523–6 (Eng. Abstr.) **(Rus)**

[Changes in pain sensitivity during electric stimulation of emotiogenic zones of the rabbit hypothalamus] Rylov AL, et al. **Biull Eksp Biol Med** 1981 Oct;91(10):395–8 (Eng. Abstr.) **(Rus)**

[Effect of prolonged chronic stimulation of positive emotionogenic zones of the hypothalamus on blood lipid levels and arterial pressure] Simutenko LV, et al. **Biull Eksp Biol Med** 1981 Jun;91(6):650–2 (Eng. Abstr.) **(Rus)**

[Emotional–defensive behavior and noradrenergic forebrain structures] Nikiforov AF, et al. **Fiziol Zh SSSR** 1981 Dec; 67(12):1774–9 (Eng. Abstr.) **(Rus)**

[Emotional reactions and cardiac rhythm slow waves] Karpov AN, et al. **Kosm Biol Aviakosm Med** 1981; 15(3):26–8 (Eng. Abstr.) **(Rus)**

[Changes in the neurochemical properties of midbrain reticular neurons during negative emotional responses] Iumatov EA, et al. **Neirofiziologiia** 1981;13(5):506–14 (Eng. Abstr.) **(Rus)**

[Analysis of the emotional component of a 2–way conditioned avoidance reflex] Abuladze GV, et al. **Zh Vyssh Nerv Deiat** 1982 Mar–Apr;32(2):269–75 **(Rus)**

[Prenatal effect of hydrocortisone on the emotional reactivity of the adult male white rat] Dygalo NN. **Zh Vyssh Nerv Deiat** 1982 Jan–Feb;32(1):152–7 (Eng. Abstr.) **(Rus)**

[Learning in rats with differing emotional responsiveness and its relation to brain monoamines] Gromova EA, et al. **Zh Vyssh Nerv Deiat** 1981 Nov–Dec;31(6):1238–46 (Eng. Abstr.) **(Rus)**

[Dynamics of interhemispheric functional relations during formation of a functional connection between a visual signal and an unrecognized word] Kostandov EA, et al. **Zh Vyssh Nerv Deiat** 1981 Sep–Oct;31(5):899–908 (Eng. Abstr.) **(Rus)**

[Analysis of the galvanic skin response to visual stimuli in preschool children] Logunova GI. **Zh Vyssh Nerv Deiat** 1981 Jul–Aug;31(4):842–4 **(Rus)**

[Multineuronal activity of the hypothalamus during self-stimulation] Mikhailova NG. **Zh Vyssh Nerv Deiat** 1982 Mar–Apr;32(2):360–2 **(Rus)**

[Heart rate dynamics during elaboration of a spatial conditioned reflex] Pkhakadze LD, et al. **Zh Vyssh Nerv Deiat** 1981 May–Jun;31(3):513–20 (Eng. Abstr.) **(Rus)**

[Psychological component of human stress (author's transl)] Vargas Fernández L. **Rev Med Chil** 1981 May; 109(5):441–51 (Eng. Abstr.) **(Spa)**

EMPATHY

Some further comments on empathy. Medini G. **Acta Paedopsychiatr (Basel)** 1981 Oct;47(3):143–50

Prosocial behavior and perspective-taking of mentally retarded and nonretarded children. Bender NN, et al. **Am J Ment Defic** 1982 Jan;86(4):361–6

The attitudes of psychiatrists to deliberate self-poisoning: comparison with physicians and nurses. Hawton K, et al. **Br J Med Psychol** 1981 Dec;54(Pt 4):341–8

Training older people in empathy: effects on empathy, attitudes, and self-exploration. Isquick MF. **Int J Aging Hum Dev** 1981;13(1):1–14

Empathy: a factor in antisocial behavior. Ellis PL. **J Abnorm Child Psychol** 1982 Mar;10(1):123–34

Empathic communication between medical professionals and patients. Lane SD, et al. **J Am Podiatry Assoc** 1982 Jul; 72(7):333–6

An analysis of empathy in medical students before and following clinical experience. Diseker RA, et al. **J Med Educ** 1981 Dec;56(12):1004–10

Empathy and attitudes among medical students: the effects of group experience. Elizur A, et al. **J Med Educ** 1982 Sep;57(9):675–83

Differences in empathy: a preliminary analysis. Streit-Forest U. **J Med Educ** 1982 Jan;57(1):65–7

The day I became a client. Antelyes J. **Mod Vet Pract** 1981 Dec;62(12):955–7

Effect of empathic communication and use of paralanguage. Gaushell H. **Percept Mot Skills** 1982 Apr;54(2):522

An empathic response to regression in borderlines. Straker N. **Psychiatr Q** 1981 Summer;53(2):110–7

Investigation of the response of the spouse to chronic pain behavior. Block AR. **Psychosom Med** 1981 Oct; 43(5):415–22

Empathic perceptions of nursing students: self-reported and actual ability. Kunst-Wilson W, et al. **Res Nurs Health** 1981 Sep;4(3):283–93

Construct validity of an empathy instrument. La Monica EL. **Res Nurs Health** 1981 Dec;4(4):389–400

EMPHYSEMA

see related
PULMONARY EMPHYSEMA

CHEMICALLY INDUCED

Emphysema induced in vitro and in vivo in dogs by a purified elastase from homologous leukocytes. Sloan B, et al. **Am Rev Respir Dis** 1981 Sep;124(3):295–301

COMPLICATIONS

Soft-tissue calcification after subcutaneous emphysema in a neonate. Naidech HJ, et al. **AJR** 1982 Aug;139(2):374–6

Management of the patient with emphysema, coronary artery disease, and lung cancer. Peters RM, et al. **Am J Surg** 1982 Jun;143(6):701–5

Status asthmaticus. Management of status asthmaticus complicated by surgical emphysema—avoidance of intermittent positive pressure ventilation. Mather SJ, et al. **Anaesthesia** 1982 Jul;37(7):738–9

Emphysematous pyelonephritis in a polycystic kidney. Levinson ED, et al. **Urol Radiol** 1981;3(1):39–41

DIAGNOSIS

The ultrasound diagnosis of emphysematous cholecystitis. Blaquière RM, et al. **Br J Radiol** 1982 Feb;55(650):114–6

Diagnosis and treatment of retroperitoneal perforation complicating the double-contrast barium-enema examination. Peterson N, et al. **Radiology** 1982 Jul; 144(2):249–52

[Acute emphysematous cholecystitis: apropos of 2 cases studied echographically] Sales Ferrer R, et al. **Rev Esp Enferm Apar Dig** 1981 Nov;60(5):491–6 (Eng. Abstr.) **(Spa)**

DRUG THERAPY

Replacement therapy of alpha 1-antitrypsin deficiency. Reversal of protease-antiprotease imbalance within the alveolar structures of PiZ subjects. Gadek JE, et al. **J Clin Invest** 1981 Nov;68(5):1158–65

ETIOLOGY

Subcutaneous emphysema of the lower extremity due to gastrointestinal disorders. Report of a case of obturator hernia. Savage R, et al. **Am J Proctol Gastroenterol Colon Rectal Surg** 1982 Jan; 33(1):11, 14

Subcutaneous and retropharyngeal emphysema following dental restoration: an uncommon complication. Bavinger JV. **Ann Emerg Med** 1982 Jul;11(7):371–4

Iatrogenic subcutaneous emphysema during dental anesthesia: report of two cases. Levy E. **ASDC J Dent Child** 1981 Jul–Aug;48(4):272–4

Subcutaneous facial emphysema complicating dental anaesthesia. Milne B, et al. **Can Anaesth Soc J** 1982 Jan; 29(1):71–3

Retroperitoneal and mediastinal emphysema as a complication of colonoscopy. Amshel AL, et al. **Dis Colon Rectum** 1982 Mar;25(2):167–8

Asymptomatic rectal perforation with retroperitoneal emphysema. Weiss Y, et al. **Dis Colon Rectum** 1981 Oct; 24(7):545–7

Cervical emphysema, pneumomediastinum, and retroperitoneal gas after sigmoidoscopy. Foley B, et al. **J Clin Gastroenterol** 1982 Apr;4(2):141–3

Odontogenic infection leading to cervical emphysema and fatal mediastinitis. Steiner M, et al. **J Oral Maxillofac Surg** 1982 Sep;40(9):600–4

Massive extraperitoneal air in a 71-year-old woman. Occurrence during a radiological study. Walker HC Jr, et al. **JAMA** 1982 Sep 17;248(11):1375–6

Carcinoma of colon appearing as subcutaneous emphysema of lower extremity. Gallagher E, et al. **NY State J Med** 1982 Feb;82(2):219–21

[Incidence of subcutaneous emphysema during tooth extraction] Jójárt G. **Fogorv Sz** 1981 Nov;74(11):337–8 **(Hun)**

[Left pneumothorax with subcutaneous emphysema secondary to left clavicular fracture and homolateral obstetrical paralysis of the arm] Longo R, et al. **Minerva Pediatr** 1982 Mar 31;34(6):273–6 (Eng. Abstr.) **(Ita)**

[Subconjunctival emphysema in a skin diver] Bielicka W, et al. **Wiad Lek** 1981 Aug 1;34(15):1295–8 **(Pol)**

[Spontaneous pneumopyelography: ureterocolic fistula caused by rectosigmoid carcinoma] Virseda JA, et al. **Arch Esp Urol** 1981 Jul–Aug;34(4):289–96 (Eng. Abstr.) **(Spa)**

[Emphysematous cholecystitis. Report of 2 cases] Cordero Sánchez M, et al. **Rev Clin Esp** 1982 Feb 28;164(4):275–7 **(Spa)**

[Case of parotid swelling with cervicofacial emphysema] Rozas Aristy F. **Rev Med Panama** 1982 Jan;7(1):49–52 (Eng. Abstr.) **(Spa)**

METABOLISM

An overview of the pulmonary features of alpha 1-antitrypsin deficiency. Tobin MJ, et al. **Arch Intern Med** 1982 Jul; 142(7):1342-8 (25 ref.)

PATHOLOGY

Emphysema-like changes in the lungs of starved rats. Sahebjami H, et al. **Am Rev Respir Dis** 1981 Nov; 124(5):619-24

Volume of emphysema. Turner P, et al. **Thorax** 1981 Dec; 36(12):932-7

PHYSIOPATHOLOGY

Carbon monoxide and exercise tolerance in chronic bronchitis and emphysema. Calverley PM, et al. **Br Med J [Clin Res]** 1981 Oct 3;283(6296):878-80

Emphysema, airflow limitation and small airways dysfunction [editorial] Gelb AF, et al. **Chest** 1982 Jul;82(1):4-5

PREVENTION & CONTROL

Effects of oligopeptide chloromethylketone administered after elastase: renal toxicity and lack of prevention of experimental emphysema. Ranga V, et al. **Am Rev Respir Dis** 1981 Nov;124(5):613-8

RADIOGRAPHY

Gastric emphysema resembling pneumoperitoneum: presentation of a case with a review of the literature. Kowal LE, et al. **Am J Gastroenterol** 1982 Sep;77(9):667-70

Traumatic intraocular air-fluid level. Smathers RL, et al. **J Can Assoc Radiol** 1981 Sep;32(3):180

Case profile: bilateral emphysematous pyelonephritis. Kumar D, et al. **Urology** 1982 Jul;20(1):96

VETERINARY

What is your diagnosis? Cellulitis and subcutaneous emphysema from a ruptured esophagus. DeBowes RM, et al. **J Am Vet Med Assoc** 1982 Apr 1;180(7):781-2

EMPHYSEMA, ACUTE BOVINE PULMONARY see **PNEUMONIA, ATYPICAL INTERSTITIAL, OF CATTLE**

EMPHYSEMA, MEDIASTINAL see **MEDIASTINAL EMPHYSEMA**

EMPHYSEMA, PULMONARY see **PULMONARY EMPHYSEMA**

EMPLOYEE DISCIPLINE see under **PERSONNEL MANAGEMENT**

EMPLOYEE GRIEVANCES see under **PERSONNEL MANAGEMENT**

EMPLOYEE HEALTH SERVICES see **OCCUPATIONAL HEALTH SERVICES**

EMPLOYEE INCENTIVE PLANS see under **PERSONNEL MANAGEMENT**

EMPLOYEE ORIENTATION PROGRAMS see **INSERVICE TRAINING**

EMPLOYEE PERFORMANCE APPRAISAL see under **PERSONNEL MANAGEMENT**

EMPLOYEE STRIKES see **STRIKES, EMPLOYEE**

EMPLOYEE TURNOVER see **PERSONNEL MANAGEMENT**

EMPLOYMENT

Legal briefs: statuatory rights governing employment relationships in the health care field. Manson JN. **AANA J** 1981 Oct;49(5):529-31

Competitive employment training for mentally retarded adults: the supported work model. Krauss MW, et al. **Am J Ment Defic** 1982 May;86(6):650-3

Nurses today - a statistical portrait. **Am J Nurs** 1982 Mar; 82(3):448-51

Profile: RN's rehab counseling firm returns disabled to work [interview] Hesselink K. **Am J Nurs** 1982 Jan;82(1):139-40

To market, to market. Hightower-Vandamnn MD. **Am J Occup Ther** 1982 May;36(5):293-9

The effect of wives' employment on the mental health of married men and women. Kessler RC, et al. **Am Sociol Rev** 1982 Apr;47(2):216-27

Wage and status effects of employment on affective well-being among ex-felons. Liker JK. **Am Sociol Rev** 1982 Apr;47(2):264-83

Mental patient status, work, and income: an examination of the effects of a psychiatric label. Link B. **Am Sociol Rev** 1982 Apr;47(2):202-15

Why mentally retarded adults lose their jobs: social competence as a factor in work adjustment. Greenspan S, et al. **Appl Res Ment Retard** 1981;2(1):23-38

Social judgment and vocational adjustment of mentally retarded adults. Greenspan S, et al. **Appl Res Ment Retard** 1981;2(4):335-46

The handicapped school leaver. Chamberlain MA. **Arch Dis Child** 1981 Oct;56(10):737-8

The role of disease and demographic factors in the employment of patients with multiple sclerosis. LaRocca N, et al. **Arch Neurol** 1982 Apr;39(4):256

Employment status of spinal cord injured patients 3 years after injury. DeVivo MJ, et al. **Arch Phys Med Rehabil** 1982 May;63(5):200-3

Problems encountered at work by people with severe acquired hearing loss. Thomas A, et al. **Br J Audiol** 1982 Feb;16(1):39-43

Women, marriage, employment and mental health. Cochrane R, et al. **Br J Psychiatry** 1981 Nov;139:373-81

Careers of doctors qualifying in Britain in 1974: a report on their employment status in 1979. Parkhouse J, et al. **Br Med J [Clin Res]** 1982 Aug 14;285(6340):522-6

Working status after aortocoronary bypass surgery [letter] Cumming GR. **Can Med Assoc J** 1982 May 15;126(10):1153

Factors predicting working status after aortocoronary bypass surgery. Danchin N, et al. **Can Med Assoc J** 1982 Feb 1;126(3):255-60

Employment patterns in males before and after myocardial revascularization surgery. A study of 2229 consecutive male patients followed for as long as 10 years. Johnson WD, et al. **Circulation** 1982 Jun;65(6):1086-93

Employment status after coronary artery bypass surgery. Oberman A, et al. **Circulation** 1982 Jun;65(7 Pt 2 Suppl):115-9

Employment status after coronary artery bypass surgery. Smith HC, et al. **Circulation** 1982 Jun;65(7 Pt 2 Suppl):120-5

Female employment and fertility in Peninsular Malaysia: the maternal role incompatibility hypothesis reconsidered. Mason KO, et al. **Demography** 1981 Nov;18(4):549-75

Recapping IYDP. Gingras G. **Dimens Health Serv** 1982 Jul; 59(7):40-1

Male and female differences in severity of problems with alcohol at the workplace. Cahill MH, et al. **Drug Alcohol Depend** 1981 Sep;8(2):143-56

Changing work expectations: findings from the retirement history study. Goudy WJ. **Gerontologist** 1981 Dec; 21(6):644-9

The extent and correlates of partial retirement. Quinn JF. **Gerontologist** 1981 Dec;21(6):634-43

Self-reinforcement and the work ethic. Grieco A, et al. **Int J Addict** 1981 Aug;16(6):1095-1110

Employment training for disadvantaged or dependent populations. Stern H. **Int J Addict** 1982 Jan;17(1):51-60

Scandinavian research on stress in working life. Gardell B. **Int J Health Serv** 1982;12(1):31-41

The labor process and health: a historical materialist interpretation. Navarro V. **Int J Health Serv** 1982; 12(1):5-29

To tell or not to tell: haemophiliacs' views on their employment prospects. Forbes CD, et al. **Int J Rehabil Res** 1982;5(1):13-8

Resumption of work following discharge from hospital. Brennan MA. **Ir Med J** 1981 Jan;74(1):5-7

Transition from education to working life: pointers from the European Communities' Action Programme. Maitland-Edwards J, et al. **J Adolesc** 1981 Mar;4(1):27-45

Child psychiatry perspectives: women, work, and children. Nadelson C, et al. **J Am Acad Child Psychiatry** 1981 Autumn;20(4):863-75 (51 ref.)

Women working: fears of failure, deviance and success. Person ES. **J Am Acad Psychoanal** 1982 Jan;10(1):67-84

Four-letter words to avoid. Offenbach B. **J Am Med Wom Assoc** 1982 Apr;37(4):103-4

Woman doctor in search of a job. Romm S. **J Am Med Wom Assoc** 1982 Jan;37(1):11-5

Lifetime patterns of childbearing and employment: a study of second-generation Japanese American women. Leonetti DL, et al. **J Biosoc Sci** 1982 Jan;14(1):81-97

Women's labor force activity and responsibilities for disabled dependents: a study of families with disabled children. Breslau N, et al. **J Health Soc Behav** 1982 Jun;23(2):169-83

Shoring up the 'buffer' of social support. Schaeffer C. **J Health Soc Behav** 1982 Mar;23(1):96-101

Supported work for ex-addicts: an exploration of endogenous tastes. Dickinson KP. **J Hum Resour** 1981 Fall;16(4):551-99

Children's health problems and maternal work status. Salkever DS. **J Hum Resour** 1982 Winter;17(1):94-109

Job stress and health in working women. Pepitone-Arreola-Rockwell F, et al. **J Human Stress** 1981 Dec;7(4):19-26

The employer's rights and responsibilities in hiring and firing employees. DeHaven D. **J Med Assoc Ga** 1982 May; 71(5):359-62

Return to work after myocardial infarction in a lower socioeconomic population. Gelfand R, et al. **J Natl Med Assoc** 1981 Sep;73(9):855-7

Long-term disability and return to work. Sheikh K, et al. **J R Coll Gen Pract** 1981 Nov;31(232):670-3

Pre-service rehabilitation education: where graduates are employed. Geist GO, et al. **J Rehabil** 1981 Jul-Sep; 47(3):45-7

Employment and the older disabled person. The projects with industry concept. Housman RY, et al. **J Rehabil** 1981 Oct-Dec;47(4):82-3

Multiple sclerosis and the prospects for employment. Mitchell JN. **J Soc Occup Med** 1981 Oct;31(4):134-8

Inguinal hernias and employment [letter] Fisher TF. **JAMA** 1982 Mar 12;247(10):1407

Effects of iron and ascorbic acid supplementation on hemoglobin level and work efficiency of anemic women. Florencio CA. **JOM** 1981 Oct;23(10):699-704

Reciprocal effects of health and labor force participation among women: evidence from two longitudinal studies. Waldron I, et al. **JOM** 1982 Feb;24(2):126-32

Domiciliary rehabilitation. (A 5-year follow-up study on self-employment of disabled leprosy patients). Kumar JH, et al. **Lepr Rev** 1982 Jun;53(2):133-7

Vocational histories of sheltered workshop employees placed in projects with industry and competitive jobs. Brickey M, et al. **Ment Retard** 1982 Apr;20(2):52-7

Employed wives of US Army members in Germany fare better than those unemployed. Manning FJ, et al. **Milit Med** 1981 Oct;146(10):726-8

Treatment efficacy and employment of epileptics. Huber Z, et al. **Monogr Neural Sci** 1981;5:256-7

Practice management. Hiring an associate. Taub SR. **NY State Dent J** 1982 Jun-Jul;48(6):392, 394

Overcoming male myths and taboos. Gries MR. **Occup Health Saf** 1981 Sep;50(9):58-64

Shift work: worth the risks? Tabor M. **Occup Health Saf** 1982 Apr;51(4):42-8

Psychological aspects of employment and unemployment. Warr P. **Psychol Med** 1982 Feb;12(1):7-11 (33 ref.)

Manpower policy and the disabled person: an international perspective. Conte LE. **Rehabil Lit** 1982 May-Jun; 43(5-6):130-5, 140

The public employment and training system and persons with disabilities. Lomastro JA. **Rehabil Lit** 1982 May-Jun; 43(5-6):136-40

The loss from premature deaths of economically active manpower in the various populations of the RSA. Part I. Leading causes of death: health strategies for reducing mortality. Wyndham CH. **S Afr Med J** 1981 Sep 12; 60(11):411-9

The loss from premature deaths of economically active manpower in the various populations of the RSA. Part II. Man-years of economically active life lost from premature death. Wyndham CH. **S Afr Med J** 1981 Sep 19;60(12):458-62

Occupational safety and health in the 1980s: Policy options--Historic perspective. Abrams HK. **Scand J Work Environ Health** 1981;7 Suppl 4:7-11

Anatomy of the health worker effect - a critique of summary statistics employed in occupational epidemiology. Wen CP, et al. **Scand J Work Environ Health** 1982;8 Suppl 1:48-52

First person account: the quiet discrimination. **Schizophr Bull** 1981;7(4):736-8

Opportunities for the handicapped [letter] **Science** 1981 Dec 11;214(4526):1196

The political economy of sexism in industrial health. Felker M. **Soc Sci Med** 1982;16(1):3-13

The relation between stress and myocardial infarction: a general analysis. Maschewsky W. **Soc Sci Med** 1982; 16(4):455-62

Employment of residents in community hospitals: a multivariate analysis. Steinwald B. **Soc Sci Med [C]** 1981 Sep;15C(3):165-73

Working women an childbearing: United States. Groat HT, et al. **Vital Health Stat [23]** 1982 Feb;23(9):1-53

[20-year prognosis of closed mitral valve commissurotomy. VI. Functional improvement after surgery and work capacity] Ježek V, et al. **Vnitr Lek** 1982 Jun;28(6):521-7 (Eng. Abstr.) **(Cze)**

[500 aortocoronary bypasses: return to work, morbidity, mortality] De Landsheere C, et al. **Rev Med Liege** 1982 Apr 15;37(8):280-5 **(Fre)**

[Is the pregnant worker protected in Quebec?] Messing K. **Union Med Can** 1982 Feb;111(2):155-64 (Eng. Abstr.) **(Fre)**

[Capacity of work and employment after kidney transplantation (author's transl)] Wolf A, et al. **Acta Med Austriaca** 1981;8(5):161-4 (Eng. Abstr.) **(Ger)**

[Aging as an effect of socialization through work (author's transl)] Kohli M. **Aktule Gerontol** 1980 Dec;10(12):527-33 (Eng. Abstr.) **(Ger)**

[Stress in the life of women. Definition and evaluation of working women] Biener K, et al. **Fortschr Med** 1982 Feb 18;100(7):281-4 **(Ger)**

[Obesity--thoughts and recommendations for expert testimony, especially in employment legislation] Hartmann J. **Off Gesundheitswes** 1981 Jul;43(7):326-30 **(Ger)**

[An attempt at establishing essential factors with an effect on family size by means of a variant statistical procedure] Güldner K. **Z Gesamte Hyg** 1981 Jul 7;27(7):525-7 (Eng. Abstr.) **(Ger)**

[Bill for a labor protection law] **Zentralbl Arbeitsmed Arbeitsschutz Prophyl Ergonomie** 1982 Feb;32(2):38-9 **(Ger)**

[Aspects of the shift-work problem] Wohlrabe HM. **Zentralbl Arbeitsmed Arbeitsschutz Prophyl Ergonomie** 1981 Jul;31(7):293-5 **(Ger)**

[New regulation on working time laws] Wohlrabe HM. **Zentralbl Arbeitsmed Arbeitsschutz Prophyl Ergonomie** 1982 Feb;32(2):40-2 **(Ger)**

[Professional activity of people at an advanced age and of old people (author's transl)] Fischer P. **ZFA (Dresden)** 1981; 36(6):527-32 (Eng. Abstr.) **(Ger)**

[The contribution of ergonomics to the rehabilitation of

workers with reduced work capacity. Evident problems and research prospects in the European Economic Community] Grieco A, et al. **Med Lav** 1981 Nov-Dec; 72(6):451-8 (93 ref.) **(Ita)**

[Steadily increasing uncertainty regarding work for young doctors in Norway] Lund B. **Nord Med** 1982 Jun; 97(6-7):172-4 **(Nor)**

[Catamnesis of patients operated on for lumbar vertebral syndrome] Krajča K, et al. **Cesk Neurol Neurochir** 1981 Jul;44(4):242-7 (Eng. Abstr.) **(Slo)**

[Many young Swedish doctors feel anxious about their future work situation] Birgerson A. **Nord Med** 1982 Jun; 97(6-7):174-6 **(Swe)**

HISTORY

Social structure and U.S. inter-state fertility differentials in 1900. Guest AM. **Demography** 1981 Nov;18(4):465-86

STANDARDS

The quota system for the employment of disabled persons. Stubbins J. **Rehabil Lit** 1982 May-Jun;43(5-6):141-5

TRENDS

Individual mobility, population growth and labor force participation. Cantrell RS, et al. **Demography** 1982 May; 19(2):147-59

Trends in health physics salaries and employment: 1980. Christensen RC. **Health Phys** 1982 Feb;42(2):107-17

Employment outcome of graduates of a rehabilitation counselor training program: a comparison of graduate employment between 1965-1974 and 1975-1979. Crisler JR, et al. **J Rehabil** 1981 Jul-Sep;47(3):28-32

EMPLOYMENT TERMINATION see **EMPLOYMENT**

EMPTY SELLA SYNDROME

COMPLICATIONS

Empty-sella syndrome. Occurrence in childhood. Wilkinson IA, et al. **Am J Dis Child** 1982 Mar;136(3):245-7

Hypopituitarism, delayed growth, and an empty sella turcica. Boyden TW, et al. **Am J Med Sci** 1981 Sep-Oct;282(2):75-9

Intrasphenoidal arachnoidocele with amenorrhea-galactorrhea and a pituitary apoplexy-like syndrome. Valenta LJ, et al. **Am J Obstet Gynecol** 1982 Jun 15;143(4):477-8

Concurrent spontaneous CSF otorrhea and rhinorrhea. Rotilio A, et al. **Eur Neurol** 1982;21(2):77-83

Empty sella headache. Moretti G, et al. **Headache** 1981 Sep; 21(5):211-7

Isolated adrenocorticotropin deficiency associated with an empty sella. Nakagawa H, et al. **J Clin Endocrinol Metab** 1982 Oct;55(4):795-7

Primary empty sella syndrome and hypopituitarism associated with primary hypothyroidism. Luboshitzky R, et al. **J Endocrinol Invest** 1981 Apr-Jun;4(2):213-6

Association of empty sella syndrome and primary hyperparathyroidism. Baker BA, et al. **Mayo Clin Proc** 1982 Apr;57(4):259-62

Symptomatic hypopituitarism revealing a primary empty sella turcica. Velkeniers B, et al. **Postgrad Med J** 1981 Apr; 57(666):235-7

[Cushing's disease with corticotropic microadenoma and empty sella turcica (letter)] Leutenegger M, et al. **Nouv Presse Med** 1982 Feb 6;11(6):454-5 **(Fre)**

[Association of gonadal dysgenesis with the tomographic finding of 'empty sella'] Bosio F, et al. **Minerva Ginecol** 1981 Jun;33(6):569-71 **(Ita)**

[A case of empty sella syndrome with panhypopituitarism (author's transl)] Igari T, et al. **Nippon Naika Gakkai Zasshi** 1981 Jul;70(7):1012-6 **(Jpn)**

[Idiopathic primary empty sella turcica associated with hyperprolactinemia and a deficit of hypophyseal reserves of HGH. Report of a case] Vergara De Campos A, et al. **Rev Clin Esp** 1981 Nov 30;163(4):273-5 **(Spa)**

DIAGNOSIS

[Primary empty sella syndrome : clinical, radiological and endocrine studies in two children (author's transl)] Petrus J., et al. **Arch Fr Pediatr** 1981 Oct;38(8):581-6 (Eng. Abstr.) **(Fre)**

[Alternating painful ophthalmoplegia, empty sella turcica and Tolosa-Hunt syndrome (author's transl)] Vercelletto P, et al. **Rev Otoneuroophtalmol** 1981 Jul-Sep;53(4):325-30 (Eng. Abstr.) **(Fre)**

[The 'empty sella' syndrome. Considerations on 10 cases] Belforte L, et al. **Minerva Ginecol** 1981 Jun;33(6):618-23 (39 ref.) **(Ita)**

DRUG THERAPY

Corticosteroid treatment in patient with 'empty sella syndrome'. Meduri M, et al. **Acta Neurol (Napoli)** 1981 Apr; 36(2):401-8

ETIOLOGY

The empty sella and pituitary adenomas. A theory on the causal relationship. Bjerre P, et al. **Acta Neurol Scand** 1982 Jul;66(1):82-92

Persisting recessus infundibuli and empty sella. Case report. Vallee B, et al. **J Neurosurg** 1982 Sep;57(3):410-2

METABOLISM

Blood-cerebrospinal fluid barrier for prolactin in empty sella syndrome. Coculescu M, et al. **Endocrinologie** 1981 Jul-Sep;19(3):199-206

Effects of bromocriptine on CSF proteins and amines in patients with empty sella syndrome, acromegaly and prolactin producing pituitary adenomas. Brismar K, et al. **J Endocrinol Invest** 1981 Oct-Dec;4(4):393-7

PATHOLOGY

The empty sella. Spaziante R, et al. **Surg Neurol** 1981 Dec; 16(6):418-26

[Empty sella turcica: a protean symptomatology] Velkeniers B, et al. **Acta Clin Belg** 1981;36(2):64-71 **(Fre)**

PHYSIOPATHOLOGY

Intracranial pressure in patients with the empty sella syndrome without benign intracranial hypertension. Kaye AH, et al. **J Neurol Neurosurg Psychiatry** 1982 Mar; 45(3):209-16

RADIOGRAPHY

Empty sella syndrome. Sachdev Y, et al. **J Assoc Physicians India** 1981 Aug;29(8):683-7

Diagnosis of empty sella syndrome [letter] Jahnke RW. **JAMA** 1982 May 28;247(20):2779-80

The primary empty sella syndrome. Diagnosis with metrizamide cisternography. Young WF Jr, et al. **JAMA** 1981 Dec 4;246(22):2611-2

Intrasellar subarachnoid space [letter] **Lancet** 1982 Jul 31; 2(8292):249-50

[Intrasellar cisternal hernia (primary empty sella): pneumoencephalographic appearance and physiopathogenetic considerations] Spissu A. **Riv Neurol** 1981 Nov-Dec;51(6):315-21 (Eng. Abstr.) **(Ita)**

SURGERY

Neurosurgical aspects of the empty sella syndrome. Rusu M, et al. **Rev Med Chir Soc Med Nat Iasi** 1981 Apr-Jun; 85(2):297-304 (00 ref.)

[Hypophyseal deficiency evolution in a patient surgically treated for the empty sella turcica syndrome (author's transl)] Vázquez C, et al. **Rev Invest Clin** 1981 Apr-Jun; 33(2):205-8 (Eng. Abstr.) **(Spa)**

EMPYEMA

A case of empyema of the gall bladder. Elliott J. **Ulster Med J** 1981;50(2):129-31

COMPLICATIONS

Empyema following lung cancer resection: risk factors and prognostic value on survival. Pastorino U, et al. **Ann Thorac Surg** 1982 Apr;33(4):320-3

Thoracic empyema [editorial] **Lancet** 1982 Mar 27; 1(8274):722-3

Gas formation in the pleural space of a child with an anaerobic streptococcal pneumonia and empyema. Fischer PR, et al. **Pediatrics** 1982 Apr;69(4):492-4

Group A streptococcal empyema complicating Mycoplasma pneumoniae infection. Lampe RM, et al. **South Med J** 1982 Jul;75(7):885-7

[Iatrogenic perforation of the esophagus above the diaphragm with mediastinal abscess and right pleural empyema. Apropos of a case diagnosed and treated on the 16th day] Beuret D, et al. **Rev Med Suisse Romande** 1981 Jun; 101(6):469-73 **(Fre)**

[A case of empyema of the gallbladder adjacent to a suppurated echinococcal cyst] Celoria G, et al. **Arch E Maragliano Patol Clin** 1980;36:67-8 **(Ita)**

CONGENITAL

Neonatal empyema caused by group B beta hemolytic streptococcus. Sokal MM, et al. **Chest** 1982 Mar;81(3):390-1

DIAGNOSIS

Empyema simulating metastatic carcinoma. Mayo P, et al. **J Ky Med Assoc** 1981 Nov;79(11):727-9

Trichomonas empyema. Miller MJ, et al. **Thorax** 1982 May; 37(5):384-5

[Bacterial pneumonia and empyema in infants and children. Sixty cases seen in Togo (author's transl)] Bégué P, et al. **Ann Pediatr (Paris)** 1982 Mar;29(3):219-24 (Eng. Abstr.) **(Fre)**

[Suppurations of the respiratory system] Ionescu G, et al. **Rev Med Chir Soc Med Nat Iasi** 1981 Jul-Sep;85(3):413-5 **(Rum)**

DRUG THERAPY

Xenon-133 evidence of bronchopleural fistula healing during treatment of mixed aspergillus and tuberculous empyema. Skorodin MS, et al. **J Nucl Med** 1982 Aug;23(8):688-9

Instillation of fibrinolytic enzymes in the treatment of pleural empyema. Fraedrich G, et al. **Thorac Cardiovasc Surg** 1982 Feb;30(1):36-8

ETIOLOGY

Fibrosing uremic pleuritis complicated by thoracic empyema. McCabe TA, et al. **Arch Intern Med** 1982 Jul; 142(7):1369-70

Aspergillus empyema. Parry MF, et al. **Chest** 1982 Jun; 81(6):768-70

Clostridium perfringens empyema unresponsive to penicillin. Silpa DE, et al. **JAMA** 1982 May 14;247(18):2568

Empyema after internal jugular catheterisation in rheumatoid arthritis. Antony VB, et al. **Thorax** 1981 Dec;36(12):958-9

Empyema presenting over thirty years after pulmonary tuberculosis. Williams G, et al. **Tubercle** 1981 Jun; 62(2):139-41

Mycobacterium kansasii empyema. Zvetina JR, et al. **Tubercle** 1981 Jun;62(2):135-8

Nontoxic staphylococcal pneumonia with empyema in a renal transplant recipient. Spencer CD, et al. **West J Med** 1982 Feb;136(2):147-9

[Round table on empyema and bronchial fistula after pneumonectomy] **Ann Chir** 1981 Oct;35(8):669-88 **(Fre)**

[Postoperative pleural empyema and bronchial fistula in patients with primary lung cancer] Korolev BA, et al. **Khirurgiia (Mosk)** 1982 May;5:81-5 **(Rus)**

[Post-pneumonia pleural empyema in children] Morán-Vázquez JO, et al. **Bol Med Hosp Infant Mex** 1982 Apr;39(4):279-84 (Eng. Abstr.) **(Spa)**

IMMUNOLOGY

Thoracic empyema after pulmonary resection for lung cancer. McKneally MF. **Ann Thorac Surg** 1982 Apr; 33(4):316-9

Cleavage of C3 by neutral proteases from granulocytes in pleural empyema. Suter S, et al. **J Infect Dis** 1981 Dec; 144(6):499-508

MICROBIOLOGY

Empyema thoracis during a ten-year period. Analysis of 72 cases and comparison to a previous study (1952 to 1967). Varkey B, et al. **Arch Intern Med** 1981 Dec;141(13):1771-6

[Microflora of pleural empyema and its sensitivity to antibacterial agents] Tevit BM, et al. **Grudn Khir** 1982; 1:56-60 **(Rus)**

OCCURRENCE

Suppurative diseases of the lung and pleura: a continuing challenge in developing countries. Adebonojo SA, et al. **Ann Thorac Surg** 1982 Jan;33(1):40-7

Empyema in childhood. Obi JO, et al. **Public Health** 1981 Sep;95(5):289-92

PHYSIOPATHOLOGY

Deficient phagocytosis secondary to breakdown of opsonic factors in infected exudates. Waldvogel FA, et al. **Adv Exp Med Biol** 1982;141:603-10

RADIOGRAPHY

Posterior fossa inflammation resulting from contiguous mastoid disease demonstrated by computerized tomography. Healy JF. **CT** 1981 Jun;5(2):202-6

CT scanning and subdural empyema [letter] Remmler D, et al. **JAMA** 1982 Jun 18;247(23):3187

SURGERY

Diaphragmatic avulsion following decortication. A case review of acute nontuberculous empyema. Mayo P, et al. **Ala J Med Sci** 1982 Jan;19(1):81-2

Treatment of empyema thoracis with intercostal tube drainage. Rahman H, et al. **Indian J Pediatr** 1981 Jan-Feb; 48(390):105-7

A study of different methods of treatment in childhood empyema thoracis. Jain SK, et al. **Indian Pediatr** 1981 Apr; 18(4):237-40

Drainage of thoracic empyema [letter] Benfield G. **Lancet** 1982 May 15;1(8281):1122

Empyema thoracis after combat wounds. Fagarason LA. **Milit Med** 1982 Jun;147(6):471-8

Empyema and the urban black. Conlan AA, et al. **S Afr Med J** 1982 Mar 13;61(11):387-9

Early decortication for the disorganized pleural space. Forrester-Wood CP, et al. **S Afr Med J** 1982 May 8; 61(19):698-700

[Pulmonary non-specific inflammations treated in surgical unit (author's transl)] Masaoka A, et al. **Nippon Kyobu Shikkan Gakkai Zasshi** 1980 Sep; 18(9):578-84 (Eng. Abstr.) **(Jpn)**

[Treatment of pleural empyema] Chukhrienko DP, et al. **Grudn Khir** 1982 Mar-Apr;(2):72-5 (Eng. Abstr.) **(Rus)**

[Treatment of lung abscesses complicated by pleural empyema] Korolev BA, et al. **Klin Khir** 1981 Oct;(10):4-7 (Eng. Abstr.) **(Rus)**

[Current indications for trans-sternal transpericardial occlusion of the stump of the main bronchus and its remote results] Bogush LK, et al. **Probl Tuberk** 1981 Sep;(9):18-21 (Eng. Abstr.) **(Rus)**

[Results of operations on the main bronchi in pleural empyema with bronchial fistula] Slepukha IM, et al. **Vestn Khir** 1982 Feb;128(2):8-11 **(Rus)**

THERAPY

Recent trends in empyema thoracis. Benfield GF. **Br J Dis Chest** 1981 Oct;75(4):358–66

Treatment of empyema thoracis by different conservative methods. Jain SK, et al. **Indian J Chest Dis Allied Sci** 1981 Jul–Sep;23(3):134–7

Pleuroscopy in empyema: is it ever necessary? Weissberg D. **Poumon Coeur** 1981;37(4):269–72

Comparison between irrigation and conventional treatment for empyema and pneumonectomy space infection. Rosenfeldt FL, et al. **Thorax** 1981 Apr;36(4):272–7

[Efficacy of staphylococcal bacteriophage in the treatment of purulent lung and pleural diseases] Meladze GD, et al. **Grudn Khir** 1982;1:53–6 **(Rus)**

[Treatment of acute and chronic pleural empyema] Rosliakov AG, et al. **Grudn Khir** 1981 Sep–Oct;(5):40–2 (Eng. Abstr.) **(Rus)**

[Use of low-frequency ultrasound in treating pleural empyema] Sitko LA. **Klin Khir** 1981 Oct;(10):45–7 (Eng. Abstr.) **(Rus)**

[Local fibrinolytic therapy with terrilytin in coagulated hemothorax and pleural empyema] Chepcheruk GS, et al. **Vestn Khir** 1981 Oct;127(10):13–7 (Eng. Abstr.) **(Rus)**

VETERINARY

Exercise in diagnostic radiology. Pyopneumothorax, secondary to distemper pneumonia. Farrow CS. **Can Vet J** 1981 Jun;22(6):182–3

What is your diagnosis? Acute gastric dilatation with suppurative bronchopneumonia. Stills HF Jr, et al. **J Am Vet Med Assoc** 1982 Apr 15;180(8):949–50

EMPYEMA, TUBERCULOUS

DRUG THERAPY

Xenon-133 evidence of bronchopleural fistula healing during treatment of mixed aspergillus and tuberculous empyema. Skorodin MS, et al. **J Nucl Med** 1982 Aug;23(8):688–9

MICROBIOLOGY

[L forms of Mycobacterium tuberculosis in chronic pleural empyema in tuberculosis patients] Bogush LK, et al. **Probl Tuberk** 1981 Dec;(12):19–23 (Eng. Abstr.) **(Rus)**

SURGERY

[Clinical analysis of 102 cases of chronic tuberculous empyema treated with modified Heller's thoracoplasty (author's transl)] Wei CK. **Chung Hua Chieh Ho Ho Hu Hsi Hsi Chi Ping Tsa Chih** 1980 Dec;3(4):221–3 **(Chi)**

[Chronic tuberculous empyema treated by an improved intrapleural thoracoplasty: clinical report of 77 cases (author's transl)] Zhou SD. **Chung Hua Chieh Ho Ho Hu Hsi Hsi Chi Ping Tsa Chih** 1980 Dec;3(4):224–5 **(Chi)**

[Pulmonectomy in a total lung lesion combined with pleural empyema] Repin IuM. **Probl Tuberk** 1981 Jul;(7):23–6 (Eng. Abstr.) **(Rus)**

[Treatment of pneumopleurisy and acute pyopneumothorax in pulmonary tuberculosis] Vedishchev VT. **Probl Tuberk** 1981 Aug;(8):45–8 (Eng. Abstr.) **(Rus)**

THERAPY

[Spontaneous pneumothorax and acute pyopneumothorax as phthisiopulmonological emergencies] Ivaniuta OM, et al. **Probl Tuberk** 1981 Aug;(8):41–4 (Eng. Abstr.) **(Rus)**

EMULSIONS

A thermostable cocktail for the liquid scintillation counting of heterogeneous media. Noble RC, et al. **Anal Biochem** 1982 May 1;122(1):47–51

Protein-stabilized foams and emulsions. Halling PJ. **CRC Crit Rev Food Sci Nutr** 1981;15(2):155–203 (182 ref.)

Non-Newtonian viscosity of protein-stabilised emulsion. Pas KP, et al. **Indian J Biochem Biophys** 1981 Oct;18(5):311–6

Photographic emulsion materials for high quality low magnification and large field image recording. Katoh M, et al. **J Electron Microsc (Tokyo)** 1981;30(1):81–4

Viscosity change after dilution with solutions of water—oil—water emulsions and solute permeability through the oil layer. Tomita M, et al. **J Pharm Sci** 1982 Mar;71(3):332–4

[Relationship between physicochemical characteristics and microbiological quality of fluid emulsions (author's transl)] Martini MC, et al. **J Pharm Belg** 1982 Mar–Apr; 37(2):97–107 (Eng. Abstr.) **(Fre)**

ADVERSE EFFECTS

[Evaluation of the safety and efficacy of w/o emulsions with new biological methods] Morganti P, et al. **Boll Soc Ital Biol Sper** 1981 Sep 30;57(18):1853–8 (Eng. Abstr.) **(Ita)**

STANDARDS

Estimation of residual free formaldehyde in oil-emulsion vaccines. Chandler MD, et al. **J Biol Stand** 1982 Apr; 10(2):169–70

TOXICITY

The effects of oil, dispersant, and emulsions on the survival and behavior of an estuarine teleost and an intertidal amphipod. Butler RG, et al. **Environ Res** 1982 Apr; 27(2):266–76

EMYLCAMATE see under **CARBAMATES**

ENALLYNYMALUM see **METHOHEXITAL**

ENAMEL see **DENTAL ENAMEL**

ENAMEL ORGAN see under **TOOTH GERM**

ENBUCRYLATE

Polish tissue adhesive 'Chirurcoll/Polfa' in stuffing up surgical capsule wound after adenomectomy by Millin's method. Musierowicz A. **Int Urol Nephrol** 1981;13(2):157–8

ADMINISTRATION & DOSAGE

[Experimental studies with new embolization material (cyanoacrylate–contrast medium mixture). Part 1 (author's transl)] Stösslein F, et al. **Radiol Diagn (Berl)** 1981; 22(5):595–601 (Eng. Abstr.) **(Ger)**

[Experience with transrenal ureteral occlusion (author's transl)] Wanner K, et al. **Urologe [Ausg A]** 1981 Sep; 20(5):265–8 (Eng. Abstr.) **(Ger)**

THERAPEUTIC USE

The use of butyl cyanoacrylate as a tissue adhesive in maxillo–facial and cranio–facial surgery. Avery BS, et al. **Br J Oral Surg** 1982 Jun;20(2):84–95

[Prophylaxis and therapy of recurrent ileus by external splinting of small bowel with butyl–cyanoacrylate (author's transl)] Janneck C. **Z Kinderchir** 1981 Apr;32(4):305–10 (Eng. Abstr.) **(Ger)**

[Experience with the tissue adhesive Bucaryl in dental practice] Ujpál M. **Fogorv Sz** 1981 Nov;74(11):335–6 **(Hun)**

ENCEPHALITIS

BLOOD

Development of age-dependent resistance to sindbis virus encephalitis: correlation with inactivation of virus within the blood stream. Hirsch RL, et al. **Antiviral Res** 1981 Nov; 1(4):263–7

CEREBROSPINAL FLUID

Myelin basic protein in CSF and blood. Relationship between its presence and the occurrence of a destructive process in the brains of encephalitic patients. Jacque C, et al. **Arch Neurol** 1982 Sep;39(9):557–60

Cerebrospinal fluid lactic acid levels in meningitides in children. Singhal SC, et al. **Indian Pediatr** 1981 Dec; 18(12):891–4

Study of protein characteristics that influence entry into the cerebrospinal fluid of normal mice and mice with encephalitis. Griffin DE, et al. **J Clin Invest** 1982 Aug; 70(2):289–95

[Lysozyme concentration in the cerebrospinal fluid of children with epilepsy and subacute sclerosing encephalitis] Adamczyk A, et al. **Neurol Neurochir Pol** 1981 Sep–Dec; 15(5–6):565–8 (Eng. Abstr.) **(Pol)**

[Cytological changes in the cerebrospinal fluid in the course of chronic and protracted meningitis and encephalitis] Kucharska-Demczuk K, et al. **Neuropatol Pol** 1981 Apr–Jun;19(2):243–60 (Eng. Abstr.) **(Pol)**

COMPLICATIONS

Encephalopathy with myoclonus in an uremic non dialysed patient. A case report. Tedeschi F, et al. **Acta Neurol (Napoli)** 1982 Apr;37(2):129–34

Multicystic encephalomalacia due to fetal viral encephalitis. Lyen KR, et al. **Eur J Pediatr** 1981 Sep;137(1):11–6

Psychomotor status induced by temporal lobe encephalitis. Murasaki M, et al. **Folia Psychiatr Neurol Jpn** 1981; 35(2):129–38

Mumps encephalitis and bilateral papillomas of the choroid plexus. Katznelson D, et al. **Isr J Med Sci** 1982 May; 18(5):649–51

Periventricular calcification following neonatal ventriculitis. Kotagal S, et al. **J Comput Assist Tomogr** 1981 Oct; 5(5):651–3

Case report. Rapid development of cerebral atrophy due to perinatal herpes simplex encephalitis. Sage MR, et al. **J Comput Assist Tomogr** 1981 Oct;5(5):763–6

Partial hypothalamic insufficiency resulting from herpes simplex encephalitis: report of a probable case. Caplan RH, et al. **Minn Med** 1982 Jun;65(6):341–4, 340

Anorexia nervosa with herpes simplex encephalitis. George CG. **Postgrad Med J** 1981 Jun;57(668):366–7

[Renal damage following encephalitis and convulsions] Schattner A, et al. **Harefuah** 1981 Jul;101(1–2):12–4 (Eng. Abstr.) **(Heb)**

[Case of myasthenia gravis preceded by viral encephalitis in a 13-year-old girl] Musiol A, et al. **Neurol Neurochir Pol** 1981 May–Jun;15(3):345–8 **(Pol)**

DIAGNOSIS

Computed tomography and EEG in herpes simplex encephalitis. Their value in diagnosis and prognosis. Dutt MK, et al. **Arch Neurol** 1982 Feb;39(2):99–102

Listeria rhombencephalitis. Report of a case. Weinstein AJ, et al. **Arch Neurol** 1982 Aug;39(8):514–6

Acute viral encephalitis [letter] Klapper PE, et al. **Br Med J [Clin Res]** 1981 Dec 5;283(6305):1544–5

Acute viral encephalitis [editorial] Smith H. **Br Med J [Clin Res]** 1981 Oct 10;283(6297):935–6

Early diagnosis of herpes simplex encephalitis in childhood. Clinical, neurophysiological and neuroradiological studies. Schauseil-Zipf U, et al. **Eur J Pediatr** 1982 Mar; 138(2):154–61

Herpes simplex encephalitis and its neurosurgical implications: report of five cases. Dayes LA, et al. **Int Surg** 1981 Jul–Sep;66(3):255–8

Herpes simplex virus encephalitis: laboratory evaluations and their diagnostic significance. Nahmias AJ, et al. **J Infect Dis** 1982 Jun;145(6):829–36

Crisis in sickle cell trait: a case of probable trait with catastrophic neurologic presentation. Gisser SD, et al. **J Med Soc NJ** 1982 Jan;79(1):40–2

Diagnostic value of cerebrospinal fluid antibodies in herpes simplex virus encephalitis. Koskiniemi ML, et al. **J Neurol Neurosurg Psychiatry** 1982 Mar;45(3):239–42

Herpes simplex virus encephalitis [editorial] Ho SU, et al. **JAMA** 1982 Jan 15;247(3):337

Diagnosis of herpes simplex encephalitis [letter] Parrino TA. **JAMA** 1982 Aug 6;248(5):547–8

Diagnosis of Herpes simplex virus encephalitis [letter] Stellar S. **JAMA** 1982 Oct 1;248(13):1579

Herpes simplex encephalitis. Clinical Assessment. Whitley RJ, et al. **JAMA** 1982 Jan 15;247(3):317–20

Rapid non-invasive diagnosis of herpes encephalitis. Klapper PE, et al. **Lancet** 1981 Sep 19;2(8247):607–9

Herpes simplex encephalitis and clinical trial design [letter] McKendrick GD. **Lancet** 1982 May 29;1(8283):1238–9

Diagnosis of herpes encephalitis by elisa [letter] van Loon AM, et al. **Lancet** 1981 Nov 28;2(8257):1228–9

[Acute hemorrhagic leukoencephalitis] Kostka V, et al. **Cesk Neurol Neurochir** 1982 Jan;45(1):34–40 (Eng. Abstr.) **(Cze)**

[Early diagnosis of acute herpesvirus encephalitis] Koskiniemi ML, et al. **Duodecim** 1982;98(1):10–7 (34 ref.) **(Fin)**

[Herpes simplex encephalitis in neuro-surgery. Electro-encephalographic contribution to early diagnosis (author's transl)] Gaches J, et al. **Sem Hop Paris** 1982 Mar 25;58(12):748–53 (Eng. Abstr.) **(Fre)**

[Zoster encephalitis without rash: report of two cases (author's transl)] Möller A, et al. **Dtsch Med Wochenschr** 1982 May 28;107(21):822–5 (Eng. Abstr.) **(Ger)**

[Manifestation of an acquired cytomegalovirus infection as encephalitis in childhood (letter)] Müller R, et al. **Dtsch Med Wochenschr** 1981 Oct 2;106(40):1315–6 **(Ger)**

[The EEG in necrotizing herpes encephalitis (author's transl)] Geréby G. **EEG EMG** 1981 Dec;12(4):205–11 (Eng. Abstr.) **(Ger)**

[Temporal encephalitis with sensory and motor aphasia, psychotic episodes and epilepsy (author's transl)] Knölker U. **Nervenarzt** 1981 Aug;52(8):445–7 **(Ger)**

[Measles encephalitis. Clinical, EEG, and psychometric aspects at follow up (author's transl)] Battistella PA, et al. **Riv Patol Nerv Ment** 1981 Mar–Apr;102(2):69–77 (Eng. Abstr.) **(Ita)**

[Ventriculitis and meningoencephalitis caused by Escherichia coli of the serological group O4] Tsingerling VA, et al. **Pediatriia** 1981 Nov;(11):67–8 **(Rus)**

DRUG THERAPY

Acyclovir treatment of cutaneous herpes in guinea pigs and herpes encephalitis in mice. Collins P, et al. **Am J Med** 1982 Jul 20;73(1A):96–9

Optimal treatment of herpes simplex virus encephalitis in mice with oral acyclovir. Kern ER, et al. **Am J Med** 1982 Jul 20;73(1A):125–31

Acute viral encephalitis [letter] Teoh R. **Br Med J [Clin Res]** 1981 Nov 14;283(6302):1333

Herpes simplex encephalitis [letter] Irwin AC. **Can Med Assoc J** 1982 Jul 15;127(2):105–6

Moxalactam in treatment of recurrent Escherichia coli meningitis and ventriculitis in an infant with agammaglobulinemia. Kumar A, et al. **Drug Intell Clin Pharm** 1981 Jan;15(1):50–1

Herpes zoster encephalitis: successful therapy with vidarabine. Wees SJ, et al. **Henry Ford Hosp Med J** 1980; 28(1):67–70

Duration of vidarabine therapy in biopsy-negative herpes simplex encephalitis. Landry ML, et al. **JAMA** 1982 Jan 15;247(3):332–4

Herpes simplex encephalitis and clinical trial design [letter] Alford CA Jr, et al. **Lancet** 1982 May 1;1(8279):1013

Acyclovir in herpes encephalitis [letter] Campbell M, et al. **Lancet** 1982 Jan 2;1(8262):38

Herpes simplex encephalitis [letter] Porcopis PC. **Med J Aust** 1981 Jun 27;1(13):716

Chemotherapy for herpes simplex encephalitis [letter] Procopis PG. **Med J Aust** 1981 Aug 8;2(3):160

Intravenous glycerol and mannitol therapy in children with

intracranial hypertension. MacDonald JT, et al. **Neurology (NY)** 1982 Apr;32(4):437–40

The danger of sedative drug administration in liver disease [letter] Rivett K, et al. **S Afr Med J** 1982 May 1;61(18):649

[Sporadic encephalitis – clinical analysis of 57 cases] Huang HF, et al. **Chung Kuo I Hsueh Ko Hsueh Yuan Hsueh Pao** 1981 Dec; 3(4):248–51 (Eng. Abstr.) **(Chi)**

[Cure of herpetic encephalitis with adenine arabinoside (letter)] Jaeger A, et al. **Nouv Presse Med** 1981 Dec 19; 10(46):3794–5 **(Fre)**

[Cefsulodine concentrations in cerebral ventricles during parenteral treatment of ventriculitis due to Pseudomonas aeruginosa (author's transl)] Veyssier P, et al. **Nouv Presse Med** 1981 Oct 3;10(35):2881–2 (Eng. Abstr.) **(Fre)**

[Cerebrospinal fluid passage of therapeutic immunoglobulins of the IgG class in infectious inflammatory disease of the CNS] Neu I, et al. **Fortschr Med** 1981 Nov 5;99(41):1719–22 (Eng. Abstr.) **(Ger)**

[Corticoids in the therapy of thick- and other type of viral meningoencephalitis] Duniewicz M, et al. **MMW** 1982 Jan 22;124(3):69–70 **(Ger)**

[Schematic principles in the therapy of bacterial inflammation of the brain and meninges] Duniewicz M. **Z Gesamte Inn Med** 1981 May 1;36(9):277–81 (61 ref.) (Eng. Abstr.) **(Ger)**

ETIOLOGY

Small-cell lung cancer and limbic encephalitis [letter] Markham M, et al. **Ann Intern Med** 1982 Jun;96(6 Pt 1):785

Midbrain encephalitis as a remote effect of a malignant neoplasm. Reddy RV, et al. **Arch Neurol** 1981 Dec; 38(12):781–2

Virological diagnosis of enterovirus type 71 infections: experiences gained during an epidemic of acute CNS diseases in Hungary in 1978. Nagy G, et al. **Arch Virol** 1982;71(3):217–27

Encephalitis during the prodromal stage of acute hepatitis A. Hammond GW, et al. **Can Med Assoc J** 1982 Feb 1; 126(3):269–70

Herpes simplex encephalitis: poor outcome despite adenine arabinoside therapy. Wenman WM, et al. **Can Med Assoc J** 1982 Apr 1;126(7):819–21

Measles virus encephalitis and retinopathy in the Wistar rat. Percy DH, et al. **Exp Mol Pathol** 1982 Jun;36(3):435–46

Encephalitogenicity of measles virus in marmosets. Albrecht P, et al. **Infect Immun** 1981 Nov;34(2):581–7

Post-influenzal encephalitis and Reye's syndrome [letter] Harrington M, et al. **J Neurol Neurosurg Psychiatry** 1981 Jul;44(7):649

Cytomegalovirus encephalitis in children. Căluşer IT, et al. **Morphol Embryol (Bucur)** 1982 Jan-Mar;28(1):21–3

Encephalitis and polyneuritis complicating varicella zoster infection. Twomey JA, et al. **Postgrad Med J** 1981 Aug; 57(670):507–8

Aqueductal stenosis: a possible late sequela of central nervous system inflammation in systemic lupus. Borenstein DG, et al. **South Med J** 1982 Apr;75(4):475–7

Neurologic complications of infectious mononucleosis after steroid therapy. Waldo RT. **South Med J** 1981 Sep; 74(9):1159–60

The importance of brain biopsy in suspected herpes simplex encephalitis. DiSclafani A, et al. **Surg Neurol** 1982 Feb; 17(2):101–6

[Encephalitic manifestations of typhoid fever in children] Jorio Benkhraba M, et al. **Maroc Med** 1981 Jun–Oct; 3(2–3):693–701 (Eng. Abstr.) **(Fre)**

[Neurologic complications of chickenpox] Echenne B, et al. **Pediatrie** 1981 Oct–Nov;36(7):509–16 (Eng. Abstr.) **(Fre)**

[Low-symptom herpes simplex encephalitis (author's transl)] Finke E, et al. **Dtsch Med Wochenschr** 1982 Jul 2; 107(26):1020–3 (Eng. Abstr.) **(Ger)**

[Encephalitis due to listeria monocytogenes: a complication of immunosuppressive therapy (author's transl)] Trautmann M, et al. **Immun Infekt** 1982 Mar;10(2):64–8 (Eng. Abstr.) **(Ger)**

[Encephalitis caused by Herpes simplex virus] Bognár I, et al. **Orv Hetil** 1982 Feb 14;123(7):423–5 **(Hun)**

[Clinical picture and pathology of encephalitis associated with rubeola] Nyuli L, et al. **Orv Hetil** 1981 Jul 5; 122(27):1635–9 **(Hun)**

[Neurologic manifestations caused by Mycoplasma pneumoniae] Beiske AG. **Tidsskr Nor Laegeforen** 1981 Nov 10;101(31):1765–6 (Eng. Abstr.) **(Nor)**

[Acute encephalitis in mononucleosis] Kolmannskog S, et al. **Tidsskr Nor Laegeforen** 1982 Jan 30;102(3):182 (Eng. Abstr.) **(Nor)**

[Features of encephalitis developing against a background of acute respiratory diseases] Dekonenko EP, et al. **Zh Nevropatol Psikhiatr** 1982;82(2):208–12 (Eng. Abstr.) **(Rus)**

IMMUNOLOGY

Genetic resistance to lethal flavivirus encephalitis: effect of host age and immune status and route of inoculation on production of interfering Banzi virus in vivo. Smith AL. **Am J Trop Med Hyg** 1981 Nov;30(6):1319–23

Genetic resistance to lethal flaviviral encephalitis. III. Replication of Banzi virus in vitro and in vivo in tissues of congeneic susceptible and resistant mice. Bhatt PN, et al. **Arch Virol** 1981;69(3–4):273–86

Concomitant appearance of antibodies to two viruses in cerebrospinal fluid of an infant with acute encephalitis. Suzuki N, et al. **Biken J** 1981 Dec;24(4):159–62

Immunochemical features of a case of progressive rubella panencephalitis. Wolinsky JS, et al. **Clin Exp Immunol** 1982 May;48(2):359–66

Studies of immune responses during recovery from Sindbis virus encephalitis in selectively reconstituted, thymectomized, lethally irradiated mice. Park MM, et al. **Infect Immun** 1981 Oct;34(1):306–9

Varicella-zoster-associated encephalitis: detection of specific antibody in cerebrospinal fluid. Gershon A, et al. **J Clin Microbiol** 1980 Dec;12(6):764–7

Distribution of measles antigen and immunoglobulin-containing cells in the CNS in subacute sclerosing panencephalitis (SSPE) and atypical measles encephalitis. Esiri MM, et al. **J Neurol Sci** 1982 Jan; 53(1):29–43

Herpes simplex encephalitis. An immunohistological study of the distribution of viral antigen within the brain. Esiri MM. **J Neurol Sci** 1982 May;54(2):209–26

Immunologic and virologic studies of measles inclusion body encephalitis in an immunosuppressed host: the relationship to subacute sclerosing panencephalitis. Roos RP, et al. **Neurology (NY)** 1981 Oct;31(10):1263–70

Antibody response to herpes simplex virus type 1 polypeptides and glycoproteins in primary and recurrent infection. Mann DR, et al. **Pediatr Res** 1982 Mar; 16(3):176–80

In vivo effects of antibodies to immune response gene products: prevention of experimental allergic encephalitis. Steinman L, et al. **Proc Natl Acad Sci USA** 1981 Nov; 78(11):7111–4

Rabies and herpes simplex virus encephalitis. An immunohistological study on site and distribution of viral antigens. Budka H, et al. **Virchows Arch [Pathol Anat]** 1981; 390(3):353–64

[Herpes encephalitis and induced immune depression: a peculiar receptivity of lymphocytes and keratinocytes] Guillet G, et al. **Agressologie** 1981;22(3):137–8 (Eng. Abstr.) **(Fre)**

MICROBIOLOGY

The immunoperoxidase method for rapid diagnosis of Herpes simplex encephalitis (HSE) using touch preparations. Merkel KH, et al. **Am J Clin Pathol** 1982 May;77(5):605–7

Phaeohyphomycosis of brain: granulomatous encephalitis caused by Drechslera spicifera. Yoshimori RN, et al. **Am J Clin Pathol** 1982 Mar;77(3):363–70

Rapid detection of viruses in biopsy or autopsy specimens by the pseudoreplica method of electron microscopy. Lee FK, et al. **Am J Surg Pathol** 1981 Sep;5(6):565–72

Herpes simplex virus infections of the nervous system: virus isolation and typing from a case of encephalitis. Rapicetta M, et al. **Riv Neurobiol** 1980 Jul-Sep;26(3):284–90

[Cerebral infections due to anaerobic organisms (author's transl)] Roux FX, et al. **Neurochirurgie** 1980;26(5):349–52 (Eng. Abstr.) **(Fre)**

[Ultrastructural lesions of the brain in albino mice experimentally inoculated with Piry virus (BeAn 24232)] da Cruz ER. **Rev Inst Med Trop Sao Paulo** 1981 Sep–Oct; 23(5):194–203 (Eng. Abstr.) **(Por)**

PATHOLOGY

Immunological and pathological findings in demyelinating encephalitis associated with canine distemper virus infection. Vandevelde M, et al. **Acta Neuropathol (Berl)** 1982;56(1):1–8

Slowly alternating skew deviation: description of a pretectal syndrome in three patients. Corbett JJ, et al. **Ann Neurol** 1981 Dec;10(6):540–6

Herpes simplex encephalitis with occipital localization. Bergey GK, et al. **Arch Neurol** 1982 May;39(5):312–3

Brainstem encephalitis and the syndrome of Miller Fisher: a clinical study. Al-Din AN, et al. **Brain** 1982 Sep;105 (Pt 3):481–95

Acanthamoebiasis and immunosuppression. Case report. Martinez AJ. **J Neuropathol Exp Neurol** 1982 Sep; 41(5):548–57

Neuropathology of progressive rubella panencephalitis after childhood rubella. Townsend JJ, et al. **Neurology (NY)** 1982 Feb;32(2):185–90

Quantitative autoradiographic mapping of herpes simplex virus encephalitis with a radiolabeled antiviral drug. Saito Y, et al. **Science** 1982 Sep 17;217(4565):1151–3

[Encephalitis with necrosis limited to the brain stem: a case report (author's transl)] Tominaga I, et al. **Rev Neurol (Paris)** 1982;138(2):159–68 (Eng. Abstr.) **(Fre)**

[Contamination of a glioma by the herpes virus] Ochsner F. **Schweiz Arch Neurol Neurochir Psychiatr** 1981; 129(1):19–30 (Eng. Abstr.) **(Fre)**

[Pathogenesis of viral encephalitis (author's transl)] Schlesinger RW. **Dtsch Med Wochenschr** 1982 Jan 22; 107(3):105–10 **(Ger)**

[Case of encephalitis with an atypical course] Stankiewicz J, et al. **Neurol Neurochir Pol** 1981 Sep–Dec;15(5–6):617–21 **(Pol)**

PHYSIOPATHOLOGY

Central herpes virus infection: altered toxicity to D-amphetamine sulfate. Seegal RF, et al. **Life Sci** 1981 Aug 24;29(8):777–82

[Neurogenic hemorrhagic diathesis in a female patient with chronic recurrent opticoencephalitis with vascular crises and neuropathic reactions] Pimenov IuS, et al. **Probl Gematol Pereliv Krovi** 1982 Jun;27(6):51–2 **(Rus)**

[Brain stem auditory evoked potentials in tumors and inflammatory processes in the brain stem] Sasama R, et al. **Vestn Otorinolaringol** 1982 May-Jun;(3):34–6 (Eng. Abstr.) **(Rus)**

PREVENTION & CONTROL

Minocycline in experimental ocular toxoplasmosis in the rabbit. Rollins DF, et al. **Am J Ophthalmol** 1982 Mar; 93(3):361–5

Postexposure immunoprophylaxis against B virus (Herpesvirus simiae) infection. Boulter EA, et al. **Br Med J [Clin Res]** 1981 Dec 5;283(6305):1495–7

RADIOGRAPHY

Posterior fossa inflammation resulting from contiguous mastoid disease demonstrated by computerized tomography. Healy JF. **CT** 1981 Jun;5(2):202–6

Diagnostic CT scan findings in an adult case of acute disseminated leuco-encephalitis. Barontini F, et al. **J Neurol** 1981;226(3):213–7

Computed tomography in acute haemorrhagic leukoencephalitis. Valentine AR, et al. **Neuroradiology** 1982;22(4):215–9

[Application of the scanographic test to the diagnosis and treatment of cerebral abscesses and bacterial encephalitis] Rousseaux M, et al. **Lille Med** 1981 Apr-May; 26(4–5):153–61 **(Fre)**

[Hemorrhagic herpes encephalitis. A difficult differential diagnosis with computerized tomography] Neumann NU, et al. **Fortschr Med** 1982 Feb 4;100(5):183–6 (Eng. Abstr.) **(Ger)**

[Computer tomography in herpes simplex encephalitis. Stages in the development of CT changes (author's transl)] Hacke W, et al. **ROFO** 1981 Oct;135(4):426–31 (Eng. Abstr.) **(Ger)**

[A case of atypical neurobrucellosis] Saia A, et al. **Clin Ter** 1981 Nov 15;99(3):337–42 (Eng. Abstr.) **(Ita)**

REHABILITATION

Training the short- and long-term verbal recall of a postencephalitic amnesic. Gianutsos R. **J Clin Neuropsychol** 1981 Jul;3(2):143–53

[Psychological rehabilitation of patients with sequelae of encephalitis caused by arbovirus] Hallage AG. **Rev Saude Publica** 1981 Oct;15(5):478–84 (Eng. Abstr.) **(Por)**

THERAPY

Cryoglobulinemia with encephalopathy: successful treatment by plasma exchange. Reik L Jr, et al. **Ann Neurol** 1981 Nov;10(5):488–90

Intrathecal use of interferon in encephalitis [letter] Prange H, et al. **N Engl J Med** 1981 Nov 19;305(21):1283–4

[Our experience with intensive therapy of some cases of infantile encephalitis] Salmoiraghi L, et al. **Minerva Anestesiol** 1981 Aug;47(8):535–8 **(Ita)**

[Action by centimeter-range waves with subsequent nicotinic acid electrophoresis in the combined treatment of the sequelae of viral encephalitis] Ezhova VA, et al. **Vopr Kurortol Fizioter Lech Fiz Kult** 1982 Mar-Apr; (2):32–5 **(Rus)**

VETERINARY

Etiology and epidemiology of verminous encephalitis in an emu. Kazacos KR, et al. **Avian Dis** 1982 Apr-Jun; 26(2):389–91

Canine parvovirus infection potentiates canine distemper encephalitis attributable to modified live-virus vaccine. Krakowka S, et al. **J Am Vet Med Assoc** 1982 Jan 15; 180(2):137–9

Differential diagnosis of brain disease. Part 3. Hypermetria and tremors. Parker AJ. **Mod Vet Pract** 1981 Dec; 62(12):919–24

Ultrastructural evaluation of the acute encephalitis and hydrocephalus in dogs caused by canine parainfluenza virus. Baumgärtner WK, et al. **Vet Pathol** 1982 May; 19(3):305–14

Acute encephalitis and hydrocephalus in dogs caused by canine parainfluenza virus. Baumgärtner WK, et al. **Vet Pathol** 1982 Jan;19(1):79–92

Spontaneous paramyxoviral encephalitis in nonhuman primates (Macaca mulatta and M. nemestrina). Steele MD, et al. **Vet Pathol** 1982 Mar;19(2):132–9

Internal hydrocephalus of suspected infectious origin in young dogs. Wouda W, et al. **Zentralbl Veterinarmed [A]** 1981;28(6):481–93

ENCEPHALITIS, CALIFORNIA see under **ENCEPHALITIS, EPIDEMIC**

ENCEPHALITIS, CENTRAL EUROPEAN see **ENCEPHALITIS, TICK-BORNE**

ENCEPHALITIS, EPIDEMIC

CEREBROSPINAL FLUID

[Diagnostic value of cerebrospinal fluid antibodies in viral infections of the central nervous system] Simon M, et al. **Orv Hetil** 1981 Dec 13;122(50):3059–64 **(Hun)**

DIAGNOSIS

Viral encephalitis in children. Lyon G. **Acta Paediatr Belg** 1981 Jul–Sep;34(3):143–50

Indirect fluorescent-antibody technique for serological diagnosis of La Crosse (California) virus infections. Beaty BJ, et al. **J Clin Microbiol** 1982 Mar;15(3):429–34

Encephalitis lethargica [editorial] **Lancet** 1981 Dec 19–26; 2(8260–61):1396–7

[Specific diagnosis of epidemic encephalitis (author's transl)] Ouyang ZR. **Chung Hua Nei Ko Tsa Chih** 1981 Apr; 20(4):225–7 **(Chi)**

[Differential diagnosis between botulism and viral encephalitis] Bondarev LS, et al. **Klin Med (Mosk)** 1981 Sep;59(9):72–5 (Eng. Abstr.) **(Rus)**

DRUG THERAPY

Pathological findings of adenine arabinoside (ARA-A) and cytarabine (ARA-C) in the treatment of herpes simplex encephalitis in rabbit model. Narang HK. **Antiviral Res** 1982 May;2(1–2):53–67

IMMUNOLOGY

Tahyňa virus infection in mice immunosuppressed with cyclophosphamide [letter] Hubálek Z, et al. **Acta Virol (Praha)** 1981 Sep;25(5):334

Detection of La Crosse (California encephalitis) virus antigen in mouse skin samples. Beaty BJ, et al. **Am J Vet Res** 1982 Apr;43(4):684–7

Effect of cyclophosphamide on the infection of mice with Tahyna virus. Hubálek Z, et al. **Zentral Bakteriol Mikrobiol Hyg [A]** 1981 Dec; 251(2):145–51

MICROBIOLOGY

Simian varicella virus (delta herpesvirus) infection of patas monkeys leading to pneumonia and encephalitis. Iltis JP, et al. **Proc Soc Exp Biol Med** 1982 Feb;169(2):266–79

MORTALITY

[Herpes simplex encephalitis] Brodtkorb E, et al. **Tidsskr Nor Laegeforen** 1981 Oct 10;101(28):1577–9 (Eng. Abstr.) **(Nor)**

OCCURRENCE

La Crosse virus infection and disease in western North Carolina. Kappus KD, et al. **Am J Trop Med Hyg** 1982 May;31(3 Pt 1):556–60

Aseptic meningitis in Ontario [letter] Artsob H, et al. **Can Med Assoc J** 1981 Nov 1;125(9):958, 962

PREVENTION & CONTROL

Non-neutralizing monoclonal antibodies can prevent lethal alphavirus encephalitis. Schmaljohn AL, et al. **Nature** 1982 May 6;297(5861):70–2

RADIOGRAPHY

Radioisotope cisternography in acute viral encephalitis. A reappraisal. Fukuyama H, et al. **Arch Neurol** 1982 May; 39(5):293–7

THERAPY

[A discussion on the immunotherapy of epidemic encephalitis B (author's transl)] **Chung Hua Nei Ko Tsa Chih** 1982 Apr; 21(4):224–7 **(Chi)**

TRANSMISSION

Bloodmeal sources of Aedes triseriatus and Aedes vexans in a southern Wisconsin forest endemic for La Crosse encephalitis virus. Burkot TR, et al. **Am J Trop Med Hyg** 1982 Mar;31(2):376–81

ENCEPHALITIS, EQUINE see **ENCEPHALOMYELITIS, EQUINE**

ENCEPHALITIS, JAPANESE B

CONGENITAL

Congenital infection of mice with Japanese encephalitis virus. Mathur A, et al. **Infect Immun** 1981 Oct;34(1):26–9

DIAGNOSIS

Early diagnosis of viraemia in some experimental arbovirus infections in mice. Klisenko GA, et al. **Acta Virol (Praha)** 1981 Sep;25(5):322–5

IMMUNOLOGY

Serological study of Japanese encephalitis outbreak in Deoria District of Uttar Pradesh. Bhardwaj M, et al. **J Commun Dis** 1981 Jun;13(2):96–101

MICROBIOLOGY

[Study on virus yields in Igarashi clone of Singh's Aedes albopictus cells persistently infected with Japanese encephalitis virus (2–8 strain)] Chen BQ, et al. **Chung Kuo I Hsueh Ko Hsueh Yuan Hsueh Pao** 1981 Dec; 3(4):231–6 (Eng. Abstr.) **(Chi)**

[Modeling of persistent HeLa cell infections caused by different Japanese encephalitis virus clones] Cherednichenko IuN, et al. **Vopr Virusol** 1981 May–Jun; (3):332–5 (Eng. Abstr.) **(Rus)**

OCCURRENCE

Japanese encephalitis epidemic in Uttar Pradesh, India during 1978. Mathur A, et al. **Indian J Med Res** 1982 Feb;75:161–9

Studies on an outbreak of Japanese encephalitis in Kolar district, Karnataka state in 1977–78. Prasad SR, et al. **Indian J Med Res** 1982 Jan;75:1–6

Surveillance of Japanese encephalitis cases in Thailand. Gunakasem P, et al. **Southeast Asian J Trop Med Public Health** 1981 Sep; 12(3):333–7

[South-East Asian arboviruses (author's transl)] Rodhain F. **Med Trop (Mars)** 1981 Jan–Feb;41(1):63–71 (Eng. Abstr.) **(Fre)**

PHYSIOPATHOLOGY

Effect of cadmium on Japanese encephalitis virus infection in mice. 1. Acute and single-dose exposure experiment. Suzuki M, et al. **Toxicol Lett** 1981 Nov;9(3):231–5

TRANSMISSION

Transplacental Japanese encephalitis virus (JEV) infection in mice during consecutive pregnancies. Mathur A, et al. **J Gen Virol** 1982 Mar;59(Pt 1):213–7

VETERINARY

Japanese B encephalitis virus infection of horses during the first epidemic season following entry into an infected area. Wang YJ, et al. **Chin Med J [Engl]** 1982 Jan;95(1):63–6

ENCEPHALITIS PERIAXIALIS

FAMILIAL & GENETIC

Contribution to the problem of the adrenoleukomyeloneuropathy complex. Study of two Italian brothers with adrenoleukodystrophy and their mother with myeloneuropathy. Barbieri F, et al. **Acta Neurol (Napoli)** 1982 Feb;37(1):30–8

PATHOLOGY

Case records of the Massachusetts General Hospital. Weekly clinicopathological exercises. Case 5–1982. A 15-year-old boy with slowly progressive dementia. **N Engl J Med** 1982 Feb 4;306(5):286–93

[Encephalitis periaxialis concentrica(Balo's disease)---report of a case (author's transl)] Zhou MJ. **Chung Hua Shen Ching Ching Shen Ko Tsa Chih** 1981 May; 13(2):114–6 **(Chi)**

[Necrotic aspects of multiple sclerosis and Schilder's disease (author's transl)] Lhermitte F, et al. **Rev Neurol (Paris)** 1981;137(10):589–600 (Eng. Abstr.) **(Fre)**

[Schilder's disease with clinical recovery in a woman aged 54 years (author's transl)] Grisold W, et al. **Nervenarzt** 1982 Mar;53(3):164–7 **(Ger)**

PHYSIOPATHOLOGY

Clinical and computerized tomographic study of a case of Schilder's disease. Barbieri F, et al. **Acta Neurol (Napoli)** 1982 Feb;37(1):57–61

RADIONUCLIDE IMAGING

[Schilder's cerebral sclerosis with pathologic scintigraphic findings] Smišek M, et al. **Cesk Neurol Neurochir** 1982 Jan; 45(1):49–53 (Eng. Abstr.) **(Slo)**

ENCEPHALITIS, POST-VACCINAL

see related
HYPERSENSITIVITY, DELAYED

CEREBROSPINAL FLUID

[Demyelinating diseases and the cerebrospinal fluid cytoproteinogram] Limongi JC, et al. **Arq Neuropsiquiatr** 1981 Sep;39(3):296–300 (Eng. Abstr.) **(Por)**

CHEMICALLY INDUCED

Leucocyte migration inhibition test in post-antirabies vaccinal encephalitis (a preliminary communication). Shivanand PG, et al. **J Postgrad Med** 1981 Oct;27(4):222–5

ETIOLOGY

[A case of encephalitis after anti-yellow fever vaccination with the 17 D strain] Louis JJ, et al. **Pediatrie** 1981 Oct–Nov;36(7):547–50 (Eng. Abstr.) **(Fre)**

[Apropos encephalitis in ADPT vaccination] Pokrovskaia NIa, et al. **Pediatriia** 1981 May;(5):39–41 **(Rus)**

[Results of a study of the pathogenesis of postvaccinal encephalitis] Dzagurov SG, et al. **Vopr Virusol** 1981 Jul–Aug;(4):398–404 (Eng. Abstr.) **(Rus)**

IMMUNOLOGY

Comparative analysis of the degree of specific humoral immunity, content of serum immunoglobulins and isolation of vaccinia virus in children with post-vaccinal encephalitis after smallpox vaccination. Gurvich EB. **J Hyg Epidemiol Microbiol Immunol** 1981;25(3):311–20

OCCURRENCE

[Occurrence of complications in vaccination against variola in CSR (author's transl)] Janout V, et al. **Cesk Epidemiol Mikrobiol Imunol** 1982 Mar;31(2):73–9 (Eng. Abstr.) **(Cze)**

ENCEPHALITIS, ST. LOUIS

DIAGNOSIS

Evaluation of the solid-phase radioimmunoassay for diagnosis of St. Louis encephalitis infection in humans. Wolff KL, et al. **J Clin Microbiol** 1981 Aug;14(2):135–40

OCCURRENCE

Concurrent evaluation of epidemic St. Louis encephalitis: are you on the upward or downward side of the curve? Powell KE, et al. **Am J Public Health** 1982 Jan;72(1):62–4

Human arboviral infections in the United States in 1980. Kappus KD, et al. **J Infect Dis** 1982 Feb;145(2):283–6

ENCEPHALITIS, TICK-BORNE

CEREBROSPINAL FLUID

[Cerebrospinal fluid immunoglobulins in patients with acute tick-borne encephalitis] Kvetkova EA, et al. **Zh Nevropatol Psikhiatr** 1982;82(2):220–4 (Eng. Abstr.) **(Rus)**

COMPLICATIONS

Lyme disease: additional evidence of widespread distribution. Recognition of a tick-borne dermatitis-encephalitis-arthritis syndrome in an area of known ixodes tick distribution. Schrock CG. **Am J Med** 1982 Apr;72(4):700–6

[Rare case of mixed infection (tick-borne encephalitis, typhoid, dysentery and opisthorchiasis)] Lepekhin AV, et al. **Klin Med (Mosk)** 1981 Aug;59(8):85–6 **(Rus)**

[Tick-borne encephalitis and epilepsy] Shapoval AN. **Zh Nevropatol Psikhiatr** 1981;81(6):835–41 (Eng. Abstr.) **(Rus)**

DIAGNOSIS

[Epidemiology and diagnosis of early summer meningoencephalitis] Blessing J. **Med Welt** 1981 Sep 11; 32(37):1345–7 **(Ger)**

[Clinical characteristics of tick-borne encephalitis in children] Andreeva SG, et al. **Pediatriia** 1982 Feb;(2):50–1 **(Rus)**

[Diagnosis of two-phase tick-borne encephalitis] Bunin KV, et al. **Sov Med** 1982;(4):7–10 **(Rus)**

[Radial hemolysis reaction in the diagnosis of tick-borne encephalitis] Gaidamovich SIa, et al. **Vopr Virusol** 1981 May–Jun;(3):347–50 (Eng. Abstr.) **(Rus)**

[Tick-borne encephalitis – a short review] Abom PE. **Lakartidningen** 1981 Jul 22;78(30–31):2704–6 (Eng. Abstr.) **(Swe)**

DRUG THERAPY

[Corticoids in the therapy of thick- and other type of viral meningoencephalitis] Duniewicz M, et al. **MMW** 1982 Jan 22;124(3):69–70 **(Ger)**

[Effect of nonspecific immune response modulators on the course of experimental tick-borne encephalitis] Khozinskiĭ VV, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1981 Oct; (10):104–5 **(Rus)**

ETIOLOGY

[Immunological and etiological aspects of a study of the Aina/1448 serotype of the tick-borne encephalitis virus] Pogodina VV, et al. **Vopr Virusol** 1981 Nov–Dec;(6):735–41 (Eng. Abstr.) **(Rus)**

IMMUNOLOGY

Nonspecific T-suppressors in experimental tick-borne encephalitis. Khozinsky VV, et al. **Acta Virol (Praha)** 1981 Sep;25(5):277–82

Investigations on blood and cerebrospinal fluid lymphocytes in patients suffering from tick-borne encephalitis. Sipos J, et al. **Infection** 1981;9(6):258–63

[Efficacy of specific immunoglobulin against TBE (author's transl)] Kunz C, et al. **Wien Klin Wochenschr** 1981 Nov 13;93(21):665–7 (Eng. Abstr.) **(Ger)**

[Western and eastern tick-borne encephalitides in Eurasia] Votiakov VI, et al. **Vopr Virusol** 1982 Jan–Feb;(1):103–6

(23 ref.) (Rus)
[Immunological indices of human vaccination against tick-borne encephalitis using inactivated preparations with a varying concentration of the viral antigen] El'bert LB, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1981 Jun; (6):89–92 (Eng. Abstr.) (Rus)

MICROBIOLOGY

[Biological properties of tick-borne encephalitis strains isolated in different parts of its geographic range] Bannova GG, et al. **Vopr Virusol** 1982 Jan–Feb;(1):41–5 (Eng. Abstr.) (Rus)
[Comparative study of the viremia in tick-borne encephalitis in immune and nonimmune animals] Barinskii IF, et al. **Vopr Virusol** 1981 Jul–Aug;(4):434–8 (Eng. Abstr.) (Rus)
[Chronic tick-bone encephalitis virus infection in continuous human lymphocyte lines studied by molecular hybridization] Drynov ID, et al. **Vopr Virusol** 1982 Jan–Feb;(1):38–41 (Eng. Abstr.) (Rus)
[Modelling of a chronic infection in a cell culture of the brain of suckling Syrian hamsters due to viruses of the tick-borne encephalitis complex] Lebedeva GA, et al. **Vopr Virusol** 1981 Nov–Dec;(6):731–5 (Eng. Abstr.) (Rus)
[Explantation method of isolating a persistent tick-borne encephalitis virus from the organs of infected monkeys] Levina LS, et al. **Vopr Virusol** 1981 Jul–Aug;(4):439–42 (Eng. Abstr.) (Rus)
[Formation of transfecting DNA in acute cellular infection with the tick-borne encephalitis virus mediated by an oncogenic virus] Suetina IA, et al. **Vopr Virusol** 1982 Jan–Feb;(1):45–8 (Eng. Abstr.) (Rus)

OCCURRENCE

[Epidemiology of tick-borne encephalitis in Southern Germany (author's transl)] Roggendorf M, et al. **MMW** 1981 Sep 18;123(38):1407–11 (Eng. Abstr.) (Ger)
[How frequent is tick encephalitis? Catamnestic interpretation of clinical and serological parameters] Körting HJ, et al. **Z Arztl Fortbild (Jena)** 1981 Sep 15;75(18):856–7 (Ger)
[Landscape and epidemiological characteristics of foci of tick-borne encephalitis on the Karelian Isthmus] Kuznetsova RI, et al. **Tr Inst Pastera** 1980;55:44–7 (Rus)
[Tick-borne encephalitis in the territory of Leningrad Province] Kuznetsova RI, et al. **Tr Inst Pastera** 1980; 55:48–51 (Rus)
[Correlations of the indices of tick-borne encephalitis morbidity in the Maritime Territory with natural factors] Okulova NM, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1982 Jan;(1):63–7 (Eng. Abstr.) (Rus)
[Nosogeographic variants of tick-borne encephalitis] Votiakov VI, et al. **Zh Nevropatol Psikhiatr** 1981; 81(7):1099–1105 (29 ref.) (Rus)

PREVENTION & CONTROL

[Content of the cadaster of natural foci of tick-borne encephalitis] Korenberg EI. **Zh Mikrobiol Epidemiol Immunobiol** 1981 Mov;(11):93–9 (Rus)

TRANSMISSION

[Familial incidence of tick-borne encephalitis with alimentary transmission (author's transl)] Czimová M, et al. **Cesk Epidemiol Mikrobiol Imunol** 1981 Nov;30(6):334–9 (Eng. Abstr.) (Cze)
[The transmission of tick-borne encephalitis in Switzerland. An attempt at establishing a register of natural reservoirs for a seroepidemiologic examination of forest personnel in the middle of the country] Matile H, et al. **Schweiz Med Wochenschr** 1981 Aug 29;111(35):1262–9 (Eng. Abstr.) (Ger)

VETERINARY

Experimental characteristics of viraemia caused by two strains of tick-borne encephalitis virus in small rodents. Kožuch O, et al. **Acta Virol (Praha)** 1981 Jul;25(4):219–24
[Differentiation of tick-borne encephalitis virus strains according to the levels of viremia produced in bank voles] Chunikhin SP, et al. **Med Parazitol (Mosk)** 1981 Sep–Oct; 50(5):76–81 (Rus)

ENCEPHALITIS VIRUS, CENTRAL EUROPEAN see under **ENCEPHALITIS VIRUSES, TICK-BORNE**

ENCEPHALITIS VIRUS, EASTERN EQUINE see under **ALPHAVIRUSES**

ENCEPHALITIS VIRUS, JAPANESE

GROWTH & DEVELOPMENT

Japanese encephalitis vaccine (2–8 strain) and parent (SA 14 strain) viruses in Culex tritaeniorhynchus mosquitoes. Chen BQ, et al. **Am J Trop Med Hyg** 1982 Mar;31(2):403–7
[Study on virus yields in Igarashi clone of Singh's Aedes albopictus cells persistently infected with Japanese encephalitis virus (2–8 strain)] Chen BQ, et al. **Chung Kuo I Hsueh Ko Hsueh Yuan Hsueh Pao** 1981 Dec; 3(4):231–6 (Eng. Abstr.) (Chi)

IMMUNOLOGY

Neutralization antibody responses induced by Japanese encephalitis virus vaccine. Susilowati S, et al. **Biken J** 1981 Dec;24(4):137–45
Detection of Japanese encephalitis virus immunoglobulin M antibodies in serum by antibody capture radioimmunoassay. Burke DS, et al. **J Clin Microbiol** 1982 Mar;15(3):353–61
Enzyme-linked immunosorbent assay for detection of antibodies to Japanese encephalitis virus in swine sera. Konishi E, et al. **Kobe J Med Sci** 1982 Feb;28(1):7–17
Prevalence of antibodies to Japanese encephalitis and West Nile viruses among wild birds in the Krishna–Godavari Delta, Andhra Pradesh, India. Rodrigues FM, et al. **Trans R Soc Trop Med Hyg** 1981;75(2):258–62
[Observations on the reactions following vaccination of the inactivated Japanese encephalitis virus vaccine from tissue culture (author's transl)] **Chung Hua Yu Fang I Hsueh Tsa Chih** 1981 Mar; 15(2):98–100 (Chi)
[Study on vaccination schedule of inactivated Japanese encephalitis vaccine (author's transl)] **Chung Hua Yu Fang I Hsueh Tsa Chih** 1981 Nov; 15(6):360–2 (Chi)
[Karyological characteristics of L cells and the identification with them, of the antigen of persisting Japanese encephalitis virus] Deriabin PG, et al. **Vopr Virusol** 1982 Jan–Feb; (1):48–53 (Eng. Abstr.) (Rus)

PATHOGENICITY

Establishment of an attenuated ML-17 strain of Japanese encephalitis virus. Yoshida I, et al. **Biken J** 1981 Jun; 24(1–2):47–67
[2 cell systems persistently infected with the Japanese encephalitis virus] Mikhailova GR, et al. **Tsitol Genet** 1982; 16(1):6–9 (Rus)
[Modeling of persistent HeLa cell infections caused by different Japanese encephalitis virus clones] Cherednichenko IuN, et al. **Vopr Virusol** 1981 May–Jun; (3):332–5 (Eng. Abstr.) (Rus)
[Persistence of Japanese encephalitis virus clones in continuous HeLa cells] Cherednichenko IuN. **Vopr Virusol** 1982 Mar–Apr;27(2):203–7 (Eng. Abstr.) (Rus)

ENCEPHALITIS VIRUS, ST. LOUIS see under **FLAVIVIRUSES**

ENCEPHALITIS VIRUS, VENEZUELAN EQUINE

GENETICS

[Modeling chronic infection in a T-lymphocyte–Venezuelan equine encephalomyelitis virus system] Drynov ID, et al. **Vopr Virusol** 1981 Sep–Oct;(5):572–4 (Eng. Abstr.) (Rus)

GROWTH & DEVELOPMENT

[Possible formation of Venezuelan equine encephalomyelitis DNA–provirus in tissue culture cells] Uryvaev LV, et al. **Vopr Virusol** 1981 Sep–Oct;(5):567–71 (Eng. Abstr.) (Rus)

IMMUNOLOGY

Antigenic analysis of the surface glycoproteins of a Venezuelan equine encephalomyelitis virus (TC–83) using monoclonal antibodies. Roehrig JT, et al. **Virology** 1982 Apr 30;118(2):269–78

ISOLATION & PURIFICATION

[Multiploid virions of the Venezuelan equine encephalomyelitis virus. Isolation and properties] Karpova EF, et al. **Vopr Virusol** 1981 May–Jun;(3):319–24 (Eng. Abstr.) (Rus)

PATHOGENICITY

Epidemiological significance of Venezuelan equine encephalomyelitis virus in vitro markers. Martin DH, et al. **Am J Trop Med Hyg** 1982 May;31(3 Pt 1):561–8
[Damaging action of Venezuelan equine and Eastern equine encephalomyelitis viruses on the chromosome apparatus of mouse bone marrow cells] Miriutova TL, et al. **Vopr Virusol** 1981 Nov–Dec;(6):746–9 (Eng. Abstr.) (Rus)

ENCEPHALITIS VIRUS, WESTERN EQUINE

GENETICS

A temperature-sensitive mutant of western equine encephalitis virus with an altered envelope protein E1 and a defect in the transport of envelope glycoproteins. Hashimoto K, et al. **Virology** 1982 Jun;119(2):276–87

GROWTH & DEVELOPMENT

Growth patterns of temperature-sensitive mutants of Western equine encephalitis virus in cultured Aedes albopictus (mosquito) cells. Simizu B, et al. **J Gen Virol** 1981 Oct;56(Pt 2):349–61

ENCEPHALITIS VIRUSES

CLASSIFICATION

Arbovirus subtyping: applications to epidemiologic studies, availability of reagents, and testing services. Calisher CH, et al. **Am J Epidemiol** 1981 Nov;114(5):619–31 (33 ref.)

PHYSIOLOGY

Virus-induced alterations in insulin release in hamster islets of Langerhans. Rayfield EJ, et al. **J Clin Invest** 1981 Nov; 68(5):1172–81

ENCEPHALITIS VIRUSES, TICK-BORNE

ANALYSIS

Homogeneity of the structural glycoprotein from European isolates of tick-borne encephalitis virus: comparison with other flaviviruses. Heinz FX, et al. **J Gen Virol** 1981 Dec; 57(Pt 2):263–74
[Chronic tick-bone encephalitis virus infection in continuous human lymphocyte lines studied by molecular hybridization] Drynov ID, et al. **Vopr Virusol** 1982 Jan–Feb;(1):38–41 (Eng. Abstr.) (Rus)

GENETICS

Persistence of tic-borne encephalitis virus in monkeys. III. Phenotypes of the persisting virus. Pogodina VV, et al. **Acta Virol (Praha)** 1981 Nov;25(6):352–60
[Formation of transfecting DNA in acute cellular infection with the tick-borne encephalitis virus mediated by an oncogenic virus] Suetina IA, et al. **Vopr Virusol** 1982 Jan–Feb;(1):45–8 (Eng. Abstr.) (Rus)

IMMUNOLOGY

Potential and pitfalls in the use of immunoassays for the quantification of live and inactivated virus using tick-borne encephalitis virus as a model. Heinz FX, et al. **J Biol Stand** 1982 Jan;10(1):25–34
Comparison of two different enzyme immunoassays for detection of immunoglobulin M antibodies against tick-borne encephalitis virus in serum and cerebrospinal fluid. Heinz FX, et al. **J Clin Microbiol** 1981 Aug; 14(2):141–6
A solid-phase radioimmunoassay for quantitative measurement of class-specific antibodies against tick-borne encephalitis virus. Frisch-Niggemeyer W. **J Virol Methods** 1982 Jan;3(6):319–28
Immunosuppression in toxoplasmosis: studies in sheep with vaccines for chlamydial abortion and louping-ill virus. Buxton D, et al. **Vet Rec** 1981 Dec 19;109(25–26):559–61
Immune responses of sheep to louping-ill virus vaccine. Shaw B, et al. **Vet Rec** 1981 Dec 12;109(24):529–31
[Antibodies against some arboviruses transferred by ticks and the virus Tettnang in patients previously affected by various neuropathies (author's transl)] Málková D, et al. **Cesk Epidemiol Mikrobiol Imunol** 1982 Jan;31(1):15–20 (Eng. Abstr.) (Cze)
[Immunological and etiological aspects of a study of the Aina/1448 serotype of the tick-borne encephalitis virus] Pogodina VV, et al. **Vopr Virusol** 1981 Nov–Dec;(6):735–41 (Eng. Abstr.) (Rus)
[Strain properties of the Aina/1448 serotype of the tick-borne encephalitis virus] Pogodina VV, et al. **Vopr Virusol** 1981 Nov–Dec;(6):741–6 (Eng. Abstr.) (Rus)
[Blast transformation reaction of the peripheral blood lymphocytes from persons inoculated with a tick-borne encephalitis vaccine] Shalamberidze TD, et al. **Vopr Virusol** 1981 Jul–Aug;(4):431–4 (Eng. Abstr.) (Rus)
[Immunological indices of human vaccination against tick-borne encephalitis using inactivated preparations with a varying concentration of the viral antigen] El'bert LB, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1981 Jun; (6):89–92 (Eng. Abstr.) (Rus)
[Characteristics of bunyavirus- and togavirus-induced nonspecific suppressors inhibiting delayed hypersensitivity] Liapovka VA, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1982 May;(5):64–6 (Eng. Abstr.) (Rus)
[Detection of a natural focus of tick-borne encephalitis in Central Slovakia. I. Results of isolation experiments and serological surveys (author's transl)] Grešíková M, et al. **Bratisl Lek Listy** 1982 Mar;77(3):257–63 (Eng. Abstr.) (Slo)

ISOLATION & PURIFICATION

Persistence of tick-borne encephalitis virus in monkeys. I. Features of experimental infection. Pogodina VV, et al. **Acta Virol (Praha)** 1981 Nov;25(6):337–43
Persistence of tick-borne encephalitis virus in monkeys. II. Effectiveness of methods used for virus detection. Pogodina VV, et al. **Acta Virol (Praha)** 1981 Nov;25(6):344–51
[Explantation method of isolating a persistent tick-borne encephalitis virus from the organs of infected monkeys]

Levina LS, et al. **Vopr Virusol** 1981 Jul-Aug;(4):439-42 (Eng. Abstr.) **(Rus)**

[Detection of a natural focus of tick-borne encephalitis in Central Slovakia. I. Results of isolation experiments and serological surveys (author's transl)] Grešíková M, et al. **Bratisl Lek Listy** 1982 Mar;77(3):257-63 (Eng. Abstr.) **(Slo)**

[Detection of a natural focus of tick-borne encephalitis in Central Slovakia. II. Synecology of the tick-borne encephalitis virus in middle Považie (author's transl)] Nosek J, et al. **Bratisl Lek Listy** 1982 Mar;77(3):264-9 (Eng. Abstr.) **(Slo)**

[Natural focus of tick-borne encephalitis of the mountain-type (author's transl)] Nosek J, et al. **Cesk Epidemiol Mikrobiol Imunol** 1982 May;31(3):169-72 (Eng. Abstr.) **(Slo)**

PHYSIOLOGY

[Reproductive characteristics of the tick-borne encephalitis and Powassan viruses in Dermacentor silvarum imago explants removed from the nymphal cuticle] Chunikhin SP, et al. **Med Parazitol (Mosk)** 1981 Jul-Aug;50(4):61-4 (Eng. Abstr.) **(Rus)**

[Biological properties of tick-borne encephalitis strains isolated in different parts of its geographic range] Bannova GG, et al. **Vopr Virusol** 1982 Jan-Feb;(1):41-5 (Eng. Abstr.) **(Rus)**

RADIATION EFFECTS

[UV inactivation of the tick-borne encephalitis virus] Efimova VF, et al. **Vopr Virusol** 1982 Jan-Feb;(1):94-8 **(Rus)**

ENCEPHALITOGENIC BASIC PROTEINS

Proton N.M.R. evidence for secondary and tertiary structure in myelin basic proteins. Mendz GL, et al. **Biochem Biophys Res Commun** 1982 Apr 29;105(4):1333-40

A close structural relationship of rat liver Z-protein to cellular retinoid binding proteins and peripheral nerve myelin P2 protein. Takahashi K, et al. **Biochem Biophys Res Commun** 1982 Jun 30;106(4):1099-105

Interaction of myelin basic protein with dipalmitoylphosphatidylglycerol: dependence on the lipid phase and investigation of a metastable state. Boggs JM, et al. **Biochemistry** 1981 Oct 13;20(21):6066-72

Effect of pH and fatty acid chain length on the interaction of myelin basic protein with phosphatidylglycerol. Boggs JM, et al. **Biochemistry** 1982 Mar 16;21(6):1208-14

The effects of bovine myelin basic protein on the phase transition properties of sphingomyelin. Epand RM, et al. **Biochim Biophys Acta** 1982 Feb 23;685(2):230-2

Conformational properties of central nervous system myelin basic protein, beta-endorphin, and beta-lipotropin in water and in the presence of anionic lipids. Mattice WL, et al. **Biopolymers** 1981 Jul;20(7):1421-34

The complete amino acid sequence of the rabbit P2 protein. Ishaque A, et al. **J Biol Chem** 1982 Jan 25;257(2):592-5

Isolation and identification of large overlapping fragments of rabbit myelin basic protein produced by limited peptic hydrolysis. Martenson RE, et al. **J Neurochem** 1981 Dec; 37(6):1497-508

Conformation of bovine nerve root P2 protein: characteristics of the molecule from circular dichroism spectra. Weise MJ, et al. **J Neurochem** 1982 Jun;38(6):1600-4

ANALYSIS

Distribution of papovavirus, myelin-associated glycoprotein, and myelin basic protein in progressive multifocal leukoencephalopathy lesions. Itoyama Y, et al. **Ann Neurol** 1982 Apr;11(4):396-407

Glial proteins in myelinating tissue cultures visualized by postembedding immunocytochemistry. Ulrich J, et al. **Brain Res** 1982 May 20;240(1):199-202

Experimental allergic encephalomyelitis in mice: encephalitogenicity of mouse central myelin basic proteins. Rauch HC, et al. **Eur J Immunol** 1981 Jul;11(7):545-9

Comparative localization of Wolfgram W1 and myelin basic proteins in the rat brain during ontogenesis. Roussel G, et al. **Histochem J** 1981 Nov;13(6):1029-47

Processing techniques for the demonstration of myelin basic protein in paraffin-embedded optic nerve: an immunoperoxidase study of the developing albino rat. Dixon RG, et al. **J Histochem Cytochem** 1982 Mar; 30(3):270-3

Neuritogenic determinant of bovine P2 protein in peripheral nerve myelin. Uyemura K, et al. **J Neurochem** 1982 Sep; 39(3):895-8

Detection of antibodies to myelin basic protein by solid-phase radioimmunoassay with [125I]protein A. Linthicum DS, et al. **J Neuroimmunol** 1981 Mar;1(1):17-26

Regional distribution of myelin basic protein in the central nervous system of quaking, jimpy, and normal mice during development and aging. Delassalle A, et al. **J Neurosci Res** 1981;6(3):303-13

Electroblot analysis of the myelin proteolipid protein. Macklin WB, et al. **J Neurosci Res** 1982;7(1):1-10

Absence of P2 protein in swine flu vaccines. Brostoff SW, et al. **JAMA** 1982 Jan 22-29;247(4):495

Myelin basic protein and glial fibrillary acidic protein in human fetal brain. Borit A, et al. **Neuropathol Appl Neurobiol** 1981 Jul-Aug;7(4):279-87

Immunocytochemical study of P0 glycoprotein, P1 and P2 basic proteins, and myelin-associated glycoprotein (MAG) in lesions of idiopathic polyneuritis. Schober R, et al. **Neuropathol Appl Neurobiol** 1981 Nov-Dec;7(6):421-34

Development and maturation of central nervous system myelin: comparison of immunohistochemical localization of proteolipid protein and basic protein in myelin and oligodendrocytes. Hartman BK, et al. **Proc Natl Acad Sci USA** 1982 Jul;79(13):4217-20

ANTAGONISTS & INHIBITORS

Isolation and further characterization of the anti-encephalitogenic rat spinal cord protein from brain, spinal cord and peripheral nerves. MacPherson CF, et al. **Biochim Biophys Acta** 1981 Jul 28;669(2):125-32

BIOSYNTHESIS

The polyadenylated RNA directing the synthesis of the rat myelin basic proteins is present in both free and membrane-bound forebrain polyribosomes. Hall C, et al. **Biochem J** 1982 Feb 15;202(2):407-17

mRNA-directed cell-free myelin basic protein synthesis: no evidence of neuronal control. Fan K. **Neurosci Lett** 1982 Mar 17;29(1):89-94

BLOOD

Plasma myelin basic protein assay using Gilford enzyme immunoassay cuvettes. Groome NP. **J Clin Chem Clin Biochem** 1981 Oct;19(10):1067-73

CEREBROSPINAL FLUID

Myelin basic protein in CSF and blood. Relationship between its presence and the occurrence of a destructive process in the brains of encephalitic patients. Jacque C, et al. **Arch Neurol** 1982 Sep;39(9):557-60

Paraplegia following intrathecal chemotherapy: neuropathologic findings and elevation of myelin basic protein. Clark AW, et al. **Cancer** 1982 Jul 1;50(1):42-7

Myelin basic protein, oligoclonal bands, and IgG in cerebrospinal fluid as indicators of multiple sclerosis. Gerson B, et al. **Clin Chem** 1981 Dec;27(12):1974-7

Myelin basic protein in cerebrospinal fluid of patients with multiple sclerosis and other neurological diseases. Biber A, et al. **J Neurol** 1981;225(4):231-6

Myelin basic protein elevation in myelopathy due to systemic lupus erythematosus. Daras M, et al. **NY State J Med** 1982 Mar;82(3):357-8

[Determination of myelin basic protein in the cerebrospinal fluid in neurologic diseases] Bürgisser P, et al. **Schweiz Med Wochenschr** 1982 May 1;112(18):643-7 (Eng. Abstr.) **(Fre)**

DIAGNOSTIC USE

Potential diagnostic value of a new modality of leukocyte adherence inhibition assay in oral cancer. Kövesi G, et al. **J Maxillofac Surg** 1982 Feb;10(1):28-30

GENETICS

Two-dimensional gel electrophoresis of human brain proteins. V. Non-equilibrium gel electrophoresis, with detection of a myelin basic protein mutation--MBL-Duarte. Comings DE, et al. **Clin Chem** 1982 Apr;28(4 Pt 2):813-8

IMMUNOLOGY

Sensitization of cerebrospinal fluid and peripheral blood lymphocytes to myelin basic protein in multiple sclerosis. Czlonkowska A, et al. **Acta Neurol Scand** 1982 Jul; 66(1):121-9

Multiple sclerosis-lymphocyte transformation with multiple sclerosis and normal brain myelin basic protein and subcellular fractions. Hughes RA, et al. **Acta Neurol Scand** 1982 Mar;65(3):161-73

Myelin basic protein antibodies in the serum and CSF of multiple sclerosis and subacute sclerosing panencephalitis patients. Ruutiainen J, et al. **Acta Neurol Scand** 1981 Sep; 64(3):196-206

Allergic neuritis: phospholipid requirement for the disease-inducing conformation of the P2 protein. Ishaque A, et al. **Biochim Biophys Acta** 1981 Jun 29;669(1):28-32

Cellular immunity to encephalitogenic peptide in tumour-bearing mice. Yong WK, et al. **Br J Cancer** 1982 May;45(5):754-61

Experimental allergic encephalomyelitis in the guinea pig: variation in peripheral blood lymphocyte responsiveness to myelin basic protein during disease development. Lyman WD, et al. **Cell Immunol** 1981 Sep 15;63(2):409-16

Passive transfer of experimental allergic encephalomyelitis in the Lewis rat with activated spleen cells: differential activation with mitogens. Peters BA, et al. **Cell Immunol** 1982 May 1;69(1):175-85

Immunology cross-reactivity between spinal cord protein and myelin basic protein. Ramshaw IA, et al. **Int Arch Allergy Appl Immunol** 1982;68(3):196-200

Age-related reactivity of lymphocytes from multiple sclerosis patients to myelin basic protein. Wicher V, et al. **Int Arch Allergy Appl Immunol** 1981;66(2):136-41

Idiotypes of Lewis rat antibodies to encephalitogenic peptides of guinea pig myelin basic protein: in vitro and in vivo studies. Fritz RB, et al. **J Immunol** 1982 Jan;128(1):247-50

Transfer of allergic encephalomyelitis with spleen cells from donors sensitized with myelin basic protein in incomplete Freund's adjuvant. Namikawa T, et al. **J Immunol** 1982 Feb;128(2):932-4

Encephalitogenic activity of guinea pig myelin basic protein in the SJL mouse. Pettinelli CB, et al. **J Immunol** 1982 Sep;129(3):1209-11

Immunosuppression of experimental allergic encephalomyelitis. III. In vitro evidence for induction of suppressor T lymphocytes in draining lymph node cells of animals immunized with myelin basic protein complexed to lipopolysaccharides. Raziuddin S, et al. **J Immunol** 1982 May;128(5):2073-80

Suppression of experimental allergic encephalomyelitis in guinea/pigs by liposome-associated human myelin basic protein. Strejan GH, et al. **J Immunol** 1981 Nov; 127(5):2064-9

Antibodies to gangliosides and myelin autoantigens are produced in mice following sciatic nerve injury. Schwartz M, et al. **J Neurochem** 1982 May;38(5):1192-5

Genetic control of antibody production to myelin basic protein in mice. Barnett LB, et al. **J Neuroimmunol** 1981 Mar;1(1):53-9

Affinity purification of an acylated and radiolabelled synthetic derivative of residues 75-83 of bovine myelin basic protein, [125I]S79. A model for the purification of picomole quantities of specific peptide fragments of myelin basic protein and antibodies against them. Day ED, et al. **J Neuroimmunol** 1981 Sep;1(3):311-24

Equilibrium competitive inhibition analysis of synthetic peptide antigens from myelin basic protein as affected by the dual-dilution phenomenon. Day ED, et al. **J Neuroimmunol** 1981 Jun;1(2):217-26

Immunogenicity of synthetic peptide sequences S81 and S82 (residues 68-83 and 65-83) of bovine myelin basic protein. Time-course of antibody responses in rats and rabbits. Day ED, et al. **J Neuroimmunol** 1981 Jun;1(2):205-16

Mild encephalitogenic activity of basic protein--acidic lipid complex from myelin and detection of immune complexes in experimental allergic encephalomyelitis. Koh CS, et al. **J Neuroimmunol** 1981 Mar;1(1):69-80

Tentative identification of a second central nervous system myelin membrane autoantigen (M2) by a biochemical comparison with the basic protein (BP). Lebar R, et al. **J Neuroimmunol** 1981 Dec;1(4):367-89

Studies of rat antibodies specific for myelin basic protein (MBP). Antibody-dependent cell-mediated lysis of MBP-sensitized targets in vitro. Varitek VA Jr, et al. **J Neuroimmunol** 1981 Mar;1(1):27-39

Hyperreactivity to myelin basic protein in multiple sclerosis. Eggers AE, et al. **J Neurol Sci** 1981 Nov-Dec; 52(2-3):385-90

Lack of H-2 restriction of suppressor factor specific to myelin basic encephalitogen. Lando Z, et al. **J Neurol Sci** 1982 Jan;53(1):113-23

Complete Freund's adjuvant-induced immune prevention against experimental allergic encephalomyelitis in guinea pigs: early appearance of anti-myelin basic protein antibody. Akiyama K, et al. **Jpn J Exp Med** 1981 Apr; 51(2):137-9

Radioimmunoassay of anti-myelin basic protein antibody in guinea pig serum. Akiyama K, et al. **Jpn J Exp Med** 1981 Apr;51(2):123-7

Neuropathological comparative studies on experimental allergic neuritis (EAN) induced in rabbits by P2 protein-ganglioside complexes. Takeda S, et al. **Jpn J Exp Med** 1980 Dec;50(6):453-62

Isolation characterization and idiotype of Lewis rat antibodies against peptide 68-88 of guinea pig myelin basic protein. Fritz RB, et al. **Mol Immunol** 1982 May; 19(5):665-70

Particle counting immunoassay (PACIA)--VI. The determination of rabbit IgG antibodies against myelin basic protein using IgM rheumatoid factor. Sindic CJ, et al. **Mol Immunol** 1981 Apr;18(4):293-9

Circulating antibodies to the neuritogenic myelin protein, P2, in neuritis of the cauda equina of the horse. Kadlubowski M, et al. **Nature** 1981 Sep 24;293(5830):299-300

Equilibrium and nonequilibrium competitive inhibitions of antipeptide antibody binding by parent myelin basic protein and 18 related peptide sequences. Day ED, et al. **Neurochem Res** 1981 May;6(5):577-93

Synthetic peptides from region 65-84 of bovine myelin basic protein: radioimmunoassays and equilibrium competitive inhibition studies with antibodies prepared against myelin basic protein. Day ED, et al. **Neurochem Res** 1981 Aug; 6(8):913-29

Successful immunization against experimental allergic encephalomyelitis with myelin basic protein-sensitized allogeneic lymphocytes. Hashim GA. **Neurochem Res** 1981 Jun;6(6):699-718

Species restriction of a monoclonal antibody reacting with residues 130 to 137 in encephalitogenic myelin basic protein. Sires LR, et al. **Science** 1981 Oct 2;214(4516):87-9

ISOLATION & PURIFICATION

Application of high performance liquid chromatography to the preparation of encephalitogenic myelin basic protein. Hinman CL, et al. **Life Sci** 1982 Mar 22;30(12):989-93

METABOLISM

Myelin basic protein in Alzheimer disease neuronal fractions and mammalian neurofilament preparations. Selkoe DJ, et al. **Ann Neurol** 1981 Nov;10(5):429–36

Interaction of glycosphingolipids with melittin and myelin basis protein in monolayers. Fidelio GD, et al. **Biochem J** 1981 Feb 1;193(2):643–6

The renal degradation of myelin basic protein peptide 43–88 by two enzymes in different subcellular fractions. Whitaker JN, et al. **Biochem J** 1982 Mar 1;201(3):543–53

Self-association of myelin basic protein: enhancement by detergents and lipids. Smith R. **Biochemistry** 1982 May 25; 21(11):2697–701

The influence of pH on the degradation of bovine myelin basic protein by bovine brain cathepsin. Whitaker JN, et al. **Biochim Biophys Acta** 1981 Oct 13;661(2):334–41

Interaction of myelin basic protein with mononuclear cells: the primary reaction for the MEM and EMT tests. Goppelt M, et al. **Br J Cancer** 1981 Dec;44(6):838–45

Myelin basic protein interacts with the myelin-specific ganglioside GM4. Mullin BR, et al. **Brain Res** 1981 Oct 5;222(1):218–21

In vivo phosphorylation of two myelin basic proteins of developing rabbit brain. Agrawal HC, et al. **J Biol Chem** 1981 Dec 10;256(23):12243–6

Binding of myelin basic protein to phospholipid micelles. Hughes DW, et al. **J Biol Chem** 1982 May 10; 257(9):4698–700

Susceptibility of the myelin-associated glycoprotein and basic protein to a neutral protease in highly purified myelin from human and rat brain. Sato S, et al. **J Neurochem** 1982 Jul; 39(1):97–105

In vivo methylation of an arginine in chicken myelin basic protein. Small DH, et al. **J Neurochem** 1982 Jan; 38(1):184–90

Immunocytochemical study of the appearance of P2 in developing rat peripheral nerve: comparison with other myelin components. Winter J, et al. **J Neurocytol** 1982 Jun; 11(3):351–62

The appearance of a new antigenic determinant during the degradation of myelin basic protein. Whitaker JN. **J Neuroimmunol** 1982 Jun;2(3–4):201–7

Degradation of basic protein and Wolfgram protein in central nervous system by soluble enzymes of human peripheral polymorphonuclear leucocytes. Rastogi SC, et al. **J Neurol Sci** 1981 Aug;51(2):161–9

Interaction of calmodulin with chromatin associated proteins and myelin basic protein. Iwasa Y, et al. **Life Sci** 1981 Sep 28;29(13):1369–77

Shiverer peripheral myelin contains P2. Winter J. **Nature** 1982 Jul 29;298(5873):471–2

PHARMACODYNAMICS

Antibody-independent complement activation by myelin via the classical complement pathway. Cyong JC, et al. **J Exp Med** 1982 Feb 1;155(2):587–98

Brain fibroblast growth factors do not stimulate myelination or remyelination in tissue culture. Westall FC, et al. **J Neurol Sci** 1981 Nov-Dec;52(2–3):239–43

The effect of myelin basic protein on the endogenous phosphorylation of platelets. Chiang TM, et al. **Thromb Res** 1982 Mar 15;25(6):487–99

[Effect of neurospecific protein P2 on neuromuscular transmission] Baidan LV, et al. **Neirofiziologiia** 1982; 14(1):105–7 (Eng. Abstr.) **(Rus)**

ENCEPHALOCELE

COMPLICATIONS

Intrasphenoidal arachnoidocele with amenorrhea-galactorrhea and a pituitary apoplexy-like syndrome. Valenta LJ, et al. **Am J Obstet Gynecol** 1982 Jun 15;143(4):477–8

Basal encephalocele associated with suprasellar epidermoid cyst. Sadeh M, et al. **Arch Neurol** 1982 Apr;39(4):250–2

Transtentorial herniation with posterior cerebral artery territory infarction. A new mechanism of the syndrome of alexia without agraphia. Kirshner HS, et al. **Stroke** 1982 Mar-Apr;13(2):243–46

Syndromes with cephaloceles. Cohen MM Jr, et al. **Teratology** 1982 Apr;25(2):161–72

[The Meckel syndrome (author's transl)] Leucht W, et al. **Geburtshilfe Frauenheilkd** 1981 Nov;41(11):765–8 (Eng. Abstr.) **(Ger)**

[Recurrent meningitis caused by a spheno-ethmoidal meningoencephalocele] Palencia Luances R, et al. **An Esp Pediatr** 1982 Jan;16(1):92–4 **(Spa)**

DIAGNOSIS

Pathogenesis of congenital midline porencephaly. Stein SC. **Childs Brain** 1981;8(6):406–16

Prenatal diagnosis of Meckel syndrome. Patel ZM, et al. **Indian Pediatr** 1981 Oct;18(10):762–3

Temporal bone encephalocele—diagnosis and treatment. Kamerer DB, et al. **Laryngoscope** 1982 Aug;92(8 Pt 1):878–82

EMBRYOLOGY

Prenatal morphology in Meckel's syndrome. Rehder H, et al. **Prenatal Diagn** 1981 Jul;1(3):161–71

[Dysembryoplastic process by ectopia of brain tissue in the middle ear. Apropos of a case] Dehesdin D, et al. **J Fr Otorhinolaryngol** 1982 May;31(5):327–33 **(Fre)**

ETIOLOGY

Fatal brain lesion following spinal anaesthesia. Report of a case. Eerola M, et al. **Acta Anaesthesiol Scand** 1981 Apr; 25(2):115–6

A large convexity meningioma followed by liquorrhoea from a nasal encephalocele. A case report. von Essen C, et al. **Acta Neurochir (Wien)** 1981;59(1–2):143–50

Temporal lobectomy for epilepsy: mesial temporal herniation as an operative and prognostic finding. Turner DA, et al. **Epilepsia** 1981 Dec;22(6):623–9

Occipital encephalocele and early gestational hyperthermia. Fisher NL, et al. **Pediatrics** 1981 Oct;68(4):480–3

[CT scan suggesting lesions of the both lateral geniculate bodies and the calcarine cortices in a case of traumatic blindness (author's transl)] Mizoi K, et al. **Neurol Med Chir (Tokyo)** 1981 Sep;21(9):969–72 (Eng. Abstr.) **(Jpn)**

FAMILIAL & GENETIC

Autosomal recessive vitreoretinopathy and encephaloceles. Cook GR, et al. **Am J Ophthalmol** 1982 Jul;94(1):18–25

PATHOLOGY

Heterotopic growth of dysplastic cerebellum in frontal encephalocele in an infant of a diabetic mother. Sarnat HB, et al. **Can J Neurol Sci** 1982 Feb;9(1):31–5

Meningocele of the asterion. Martinez-Lage JF, et al. **Childs Brain** 1982;9(1):53–9

Meckel Gruber syndrome (dysencephalia splanchnocystica). Bhandari B, et al. **Indian Pediatr** 1981 Oct;18(10):760–1

An encephalocele of the sphenomaxillary type. Case report. Müller H, et al. **J Maxillofac Surg** 1981 Aug;9(3):180–4

PHYSIOPATHOLOGY

Serial observations of brain stem function by auditory brain stem responses in central transtentorial herniation. Nagao S, et al. **Surg Neurol** 1982 May;17(5):355–7

[Dynamical research of the tentorial upward herniation (author's transl)] Tsuda E. **Nippon Geka Hokan** 1980 Nov 1;49(6):802–19 (Eng. Abstr.) **(Jpn)**

RADIOGRAPHY

CT measurements of mesial temporal lobe herniation in epileptics. Bolender NF, et al. **Epilepsia** 1982 Aug; 23(4):409–16

Chiari I 'malformations'—an acquired disorder? Welch K, et al. **J Neurosurg** 1981 Oct;55(4):604–9

SURGERY

Primary intranasal encephalocele. Report of four cases. Choudhury AR, et al. **J Neurosurg** 1982 Oct;57(4):552–5

Endaural brain hernia: repair using conchal cartilage. Jahn AF. **J Otolaryngol** 1981 Dec;10(6):471–5

Fronto-ethmoidal encephalomeningocele. Hayashi T, et al. **Kurume Med J** 1981;28(2):153–7

Combined neurosurgical-otolaryngologic operative approach to a massive nasoethmoidal encephalomeningocele. Koopmann CF Jr, et al. **Otolaryngol Head Neck Surg** 1981 Jul-Aug;89(4):545–9

[A huge frontal sinus pyocele extending into the cerebral falx – a case report (author's transl)] Sawada K, et al. **No Shinkei Geka** 1981 Oct;9(11):1321–5 (Eng. Abstr.) **(Jpn)**

[Case report of a patient with Klippel-Feil syndrome and occipito-cervical meningocele] Sulla I, et al. **Rozhl Chir** 1980 Nov;59(11):760–2 (Eng. Abstr.) **(Slo)**

ENCEPHALOMALACIA

CEREBROSPINAL FLUID

[Contribution of cerebrospinal fluid studies to the diagnosis of encephalomalacia] Bohuněk V, et al. **Acta Univ Palacki Olomuc Fac Med** 1982;102:255–65 **(Ger)**

[Cerebrospinal fluid findings in encephalomalacia] Bohuněk V, et al. **Acta Univ Palacki Olomuc Fac Med** 1982; 102:245–54 **(Ger)**

CHEMICALLY INDUCED

Is polioencephalomalacia associated with high-sulfate diets? Raisbeck MF. **J Am Vet Med Assoc** 1982 Jun 1; 180(11):1303–5

COMPLICATIONS

[Clinico-morphological analysis of secondary hemorrhages into the brain stem in supratentorial encephalomalacia] Tarnowska-Dziduszko E, et al. **Neuropatol Pol** 1981; 19(3):307–22 (Eng. Abstr.) **(Pol)**

[The locked-in (de-efferent) syndrome. Anatomo-clinical case] Ionescu J, et al. **Rev Med Interna [Neurol Psihiatr]** 1981 Apr-Jun; 26(2):117–22 (Eng. Abstr.) **(Rum)**

ETIOLOGY

Multicystic encephalomalacia due to fetal viral encephalitis. Lyen KR, et al. **Eur J Pediatr** 1981 Sep;137(1):11–6

Pyruvate carboxylase deficiency: an alleged biochemical cause of Leigh's disease. Murphy JV, et al. **Pediatrics** 1981 Sep;68(3):401–4

MORTALITY

[Periventricular leukomalacia in the newborn infant and its thanatogenetic role] Vlasiuk VV, et al. **Pediatriia** 1981 Nov; (11):32–6 (Eng. Abstr.) **(Rus)**

PATHOLOGY

Putaminal lesions in Leigh disease [letter] Weisberg LA. **Ann Neurol** 1982 Jun;11(6):638

PHYSIOPATHOLOGY

Periventricular leukomalacia complex. Clinical and pathologic correlates. Grunnet M. **Arch Pathol Lab Med** 1982 Feb;106(2):81–2

RADIOGRAPHY

[Various stages of encephalomalacia in computer tomography] Kvičala V. **Cesk Neurol Neurochir** 1982 May; 45(3):163–9 (Eng. Abstr.) **(Cze)**

[Extrapyramidal rigidity with dystonia, optic atrophy and bilateral putaminal lesions in an adolescent. Juvenile form of Leigh's disease (author's transl)] Rondot P, et al. **Rev Neurol (Paris)** 1982;138(2):143–8 (Eng. Abstr.) **(Fre)**

[Computed tomography in ischemic cerebral lesions (author's transl)] Megret M. **Ther Umsch** 1981 Aug;38(8):809–15 (Eng. Abstr.) **(Fre)**

VETERINARY

Some biochemical features of an outbreak of polioencephalomalacia in sheep [letter] Chick BF, et al. **Aust Vet J** 1981 May;57(5):251–2

Biochemistry of natural and amprolium-induced polioencephalomalacia in sheep. Spicer EM, et al. **Aust Vet J** 1981 May;57(5):230–5

Is polioencephalomalacia associated with high-sulfate diets? Raisbeck MF. **J Am Vet Med Assoc** 1982 Jun 1; 180(11):1303–5

Dietary factors affecting experimental models of nutritional encephalomalacia. Dror Y, et al. **Poult Sci** 1982 Jan; 61(1):84–93

Focal symmetrical encephalomalacia in young cattle. Barber DM. **Vet Rec** 1981 Jul 25;109(4):87–8

Focal symmetrical encephalomalacia in young cattle. Buxton D, et al. **Vet Rec** 1981 May 23;108(21):459

ENCEPHALOMYELITIS

CEREBROSPINAL FLUID

Rieder cells in the cerebrospinal fluid from a patient with viral meningo-encephalomyelitis. A case report. Lien EA, et al. **Acta Pathol Microbiol Scand [B]** 1981 Aug; 89(4):239–41

Interferon in cerebrospinal fluid. A marker for viral persistence of canine distemper encephalomyelitis. Tsai SC, et al. **Arch Virol** 1982;72(4):257–65

COMPLICATIONS

Encephalomyeloneuropathy with ganglionitis of the myenteric plexuses in the absence of cancer. Horoupian DS, et al. **Ann Neurol** 1982 Jun;11(6):628–32

Postoperative and long-term results after stereotactic operations for action myoclonia in cases of encephalomyelitis disseminata. Mundinger F, et al. **Appl Neurophysiol** 1982;45(3):299–305

Paraneoplastic encephalomyelitis and neuropathy. Report of a case. Halperin JJ, et al. **Arch Neurol** 1981 Dec; 38(12):773–5

Adult form of Leigh's disease in a patient with Addison's disease and Hashimoto's disease [letter] Ho KL, et al. **Arch Pathol Lab Med** 1982 Feb;106(2):102

[Malignant hypertension after encephalopoliomyelitis] Ohry A, et al. **Harefuah** 1981 Dec 15;101(12):360–1 (Eng. Abstr.) **(Heb)**

DIAGNOSIS

[On multiple sclerosis and disseminated cerebromyelitis (author's transl)] Zang X. **Chung Hua I Hsueh Tsa Chih** 1981 Jul;61(7):418–9 **(Chi)**

[Observation of a case of permanent contraction similar to the stiff-man syndrome with associated neurological symptoms. Probable encephalomyelitis (author's transl)] Prier S, et al. **Rev Electroencephalogr Neurophysiol Clin** 1982 Apr;12(1):79–85 (18 ref.) **(Fre)**

[Bulbar evoked potentials in multiple sclerosis] Avakian GN, et al. **Zh Nevropatol Psikhiatr** 1982;82(4):39–42 (Eng. Abstr.) **(Rus)**

[Uveoencephalomyelitis, variant of the Vogt-Harada-Koyanagi syndrome] Neimark EZ, et al. **Zh Nevropatol Psikhiatr** 1982;82(2):206–8 **(Rus)**

ETIOLOGY

Bacillus cereus meningo-encephalitis in a pre-term baby. Hendrickx B, et al. **Acta Paediatr Belg** 1981 Apr-Jun; 34(2):107-12

Host and virus factors associated with CNS cellular tropism leading to encephalomyelitis or demyelination induced by the JHM strain of mouse hepatitis virus. Knobler RL, et al. **Adv Exp Med Biol** 1981;142:341-8

[Clinical aspects of the varicella-zoster virus infection] Brauner E, et al. **Rev Med Chir Soc Med Nat Iasi** 1981 Jul-Sep;85(3):443-5 (Eng. Abstr.) **(Rum)**

IMMUNOLOGY

Molecular and cellular determinants of neuroimmunologic inflammatory disease. Paterson PY. **Fed Proc** 1982 Jul; 41(9):2569-76

T cell subsets required for protection against age-dependent polioencephalomyelitis of C58 mice. Bentley DM, et al. **J Immunol** 1982 Feb;128(2):530-4

METABOLISM

Incorporation of [2-14C] DL - mevalonic acid into brain cholesterol in experimental allergic encephalomyelitis (EAE). Owsianowski M, et al. **Neuropatol Pol** 1981 Apr-Jun;19(2):189-95

PATHOLOGY

Study on experimental toxoplasmic meningoencephalomyelitis: Its infectious route and lesions in CNS. Sasaki S, et al. **Zentral Bakteriol Mikrobiol Hyg [A]** 1981;250(1-2):167-72

VETERINARY

Vomiting and wasting disease, a coronavirus infection of pigs. Andries K, et al. **Adv Exp Med Biol** 1981;142:399-408

Viral leukoencephalomyelitis-arthritis of goats [letter] Thomson RG. **Can Vet J** 1981 Nov;22(11):358

Pigeon herpes encephalomyelitis virus in Egypt. Tantawi HH, et al. **Trop Anim Health Prod** 1982 Feb;14(1):20-2

Pigeon herpes encephalomyelitis: a review. Tantawi HH. **Vet Res Commun** 1981 Sep;5(1):33-44 (11 ref.)

ENCEPHALOMYELITIS, ALLERGIC

see related
ENCEPHALITOGENIC BASIC PROTEINS

BLOOD

A marker for oligodendrocytes and its relation to myelinogenesis: an immunocytochemical study with experimental allergic encephalomyelitis serum and C.N.S. cultures. Bonnaud-Toulze EN, et al. **J Neurocytol** 1981 Aug;10(4):645-57

The levels of free cholesterol and cholesterol esters in serum before, during and after the induction of experimental allergic encephalomyelitis in the guinea-pig. Kržalić LJ, et al. **J Neurol Sci** 1982 Apr;54(1):109-16

[Components of kallikrein-kinin system in experimental and clinical neuroallergy] Kozlova LS, et al. **Vopr Med Khim** 1982 May-Jun;28(3):131-4 **(Rus)**

[Alteration in content of lipids and lipoproteins in blood of rabbits with experimental allergic polyneuritis and encephalomyelitis] Pleskov VM, et al. **Vopr Med Khim** 1981 May-Jun;27(3):376-80 (Eng. Abstr.) **(Rus)**

CEREBROSPINAL FLUID

Antibodies-restricted heterogeneity in serum and cerebrospinal fluid of chronic relapsing experimental allergic encephalomyelitis. Karcher D, et al. **J Neuroimmunol** 1982 Apr;2(2):93-106

CHEMICALLY INDUCED

Experimental allergic encephalomyelitis induced by basic protein with synthetic adjuvant in comparison with Freund's complete adjuvant. Role of antibodies in correlation with the clinicopathological features. Mitsuzawa E, et al. **J Neurol Sci** 1981 Oct;52(1):133-45

DIAGNOSIS

[Multiple transient brain-infiltrates in allergic meningo-encephalitis. Contribution to the differential diagnosis of CSF-eosinophilia (author's transl)] Berlit P. **Arch Psychiatr Nervenkr** 1981;230(4):351-9 (Eng. Abstr.) **(Ger)**

DRUG THERAPY

Prolonged suppression of experimental allergic encephalomyelitis in the Lewis rats: the effect of lipopolysaccharides. Raziuddin S, et al. **J Immunol** 1982 Mar;128(3):1486-9

Experimental allergic encephalomyelitis: suppression with SD-170, a new synthetic drug. Kasckow JW, et al. **Jpn J Exp Med** 1981 Oct;51(5):293-8

ENZYMOLOGY

Partial purification and characterization of neutral proteases in lymph nodes of rats with experimental allergic encephalomyelitis. Smith ME, et al. **Neurochem Res** 1981 Aug;6(8):901-12

ETIOLOGY

Experimental allergic encephalomyelitis in mice: encephalitogenicity of mouse central myelin basic proteins. Rauch HC, et al. **Eur J Immunol** 1981 Jul;11(7):545-9

[Experimental allergic encephalomyelitis in guinea pigs caused by meningococci] Kanchurin AKh, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1981 Oct;(10):48-52 (Eng. Abstr.) **(Rus)**

FAMILIAL & GENETIC

Experimental autoimmune encephalomyelitis in hybrids between Lewis and Brown Norway rats. Källén B, et al. **Immunobiology** 1982;162(1):86-93

Acute autoimmune encephalomyelitis in mice. II. Susceptibility is controlled by the combination of H-2 and histamine sensitization genes. Linthicum DS, et al. **J Exp Med** 1982 Jul 1;156(1):31-40

Experimental allergic encephalomyelitis (EAE) in mice: primary control of EAE susceptibility is outside the H-2 complex. Montgomery IN, et al. **J Immunol** 1982 Jan; 128(1):421-5

IMMUNOLOGY

Cellular immunity to encephalitogenic peptide in tumour-bearing mice. Yong WK, et al. **Br J Cancer** 1982 May;45(5):754-61

Experimental allergic encephalomyelitis in the guinea pig: variation in peripheral blood lymphocyte responsiveness to myelin basic protein during disease development. Lyman WD, et al. **Cell Immunol** 1981 Sep 15;63(2):409-16

Cellular transfer of experimental allergic encephalomyelitis in Lewis rats: effects of different sensitization regimens on in vitro reactivity of donor spleen cells to concanavalin A. Ovadia H, et al. **Cell Immunol** 1981 Nov 15;65(1):66-74

Passive transfer of experimental allergic encephalomyelitis in the Lewis rat with activated spleen cells: differential activation with mitogens. Peters BA, et al. **Cell Immunol** 1982 May 1;69(1):175-85

Autoimmune effector cells. II. Transfer of experimental allergic encephalomyelitis with a subset of T lymphocytes. Holda JH, et al. **Eur J Immunol** 1982 May;12(5):453-5

Molecular and cellular determinants of neuroimmunologic inflammatory disease. Paterson PY. **Fed Proc** 1982 Jul; 41(9):2569-76

Suppression of experimental allergic encephalomyelitis by transfer of lymph node cells from Lewis rats pretreated with complete Freund's adjuvant. Englert D, et al. **Int Arch Allergy Appl Immunol** 1981;66(3):326-31

Total body irradiation allows reinduction of allergic encephalomyelitis in convalescent Lewis rats. Willenborg DO. **Int Arch Allergy Appl Immunol** 1982;68(3):247-51

Experimental autoimmune encephalomyelitis (EAE) in genetically resistant rats: PVG rats resist active induction of EAE but are susceptible to and can generate EAE effector T cell lines. Ben-Nun A, et al. **J Immunol** 1982 Sep;129(3):918-9

Spontaneous remission and acquired resistance to autoimmune encephalomyelitis (EAE) are associated with suppression of T cell reactivity: suppressed EAE effector T cells recovered as T cell lines. Ben-Nun A, et al. **J Immunol** 1982 Mar;128(3):1450-7

Experimental autoimmune encephalomyelitis (EAE) mediated by T cell lines: process of selection of lines and characterization of the cells. Ben-Nun A, et al. **J Immunol** 1982 Jul;129(1):303-8

Suppression of acute experimental allergic encephalomyelitis in guinea pigs by prior transfer of suboptimal numbers of EAE-effector cells: induction of chronic EAE in whole tissue-sensitized guinea pigs. Driscoll BF, et al. **J Immunol** 1982 Feb;128(2):635-8

Autoimmune effector cells. III. Role of adjuvant and accessory cells in the in vitro induction of autoimmune encephalomyelitis. Killen JA, et al. **J Immuuol** 1982 Aug; 129(2):759-63

Unresponsiveness to experimental allergic encephalomyelitis in mice: replacement of suppressor cells by a soluble factor. Lando Z, et al. **J Immunol** 1981 Nov;127(5):1915-9

Transfer of allergic encephalomyelitis with spleen cells from donors sensitized with myelin basic protein in incomplete Freund's adjuvant. Namikawa T, et al. **J Immunol** 1982 Feb;128(2):932-4

Activation of effector cells in experimental allergic encephalomyelitis by interleukin 2 (IL-2). Ortiz-Ortiz L, et al. **J Immunol** 1982 Apr;128(4):1545-50

Encephalitogenic activity of guinea pig myelin basic protein in the SJL mouse. Pettinelli CB, et al. **J Immunol** 1982 Sep;129(3):1209-11

Adoptive transfer of experimental allergic encephalomyelitis in SJL/J mice after in vitro activation of lymph node cells by myelin basic protein: requirement for Lyt 1+ 2- T lymphocytes. Pettinelli CB, et al. **J Immunol** 1981 Oct; 127(4):1420-3

Immunosuppression of experimental allergic encephalomyelitis. III. In vitro evidence for induction of suppressor T lymphocytes in draining lymph node cells of animals immunized with myelin basic protein complexed to lipopolysaccharides. Raziuddin S, et al. **J Immunol** 1982 May;128(5):2073-80

Suppression of experimental allergic encephalomyelitis in guinea/pigs by liposome-associated human myelin basic protein. Strejan GH, et al. **J Immunol** 1981 Nov; 127(5):2064-9

Genetic control of antibody production to myelin basic protein in mice. Barnett LB, et al. **J Neuroimmunol** 1981 Mar;1(1):53-9

Mild encephalitogenic activity of basic protein--acidic lipid complex from myelin and detection of immune complexes in experimental allergic encephalomyelitis. Koh CS, et al. **J Neuroimmunol** 1981 Mar;1(1):69-80

Enhanced transfer of experimental allergic encephalomyelitis with Lewis rat lymph node cells. Richert JR, et al. **J Neuroimmunol** 1981 Jun;1(2):195-203

Experimental allergic encephalomyelitis in Lewis rats bearing avian sarcoma virus-induced brain tumors. Strauss MM, et al. **J Neuroimmunol** 1982 Jun;2(3-4):283-94

Antibodies to P2 and P1 myelin antigens in experimental allergic neuritis and allergic encephalomyelitis. Zweiman B, et al. **J Neuroimmunol** 1982 Jun;2(3-4):331-6

Demonstration of serum IgG antibodies against myelin during the course of relapsing experimental allergic encephalomyelitis in guinea pigs. Olsson T, et al. **J Neurol Sci** 1982 Jun;54(3):359-75

Failure of serum from recovered rats to prevent enhanced adoptive transfer of experimental allergic encephalomyelitis. Richert JR, et al. **J Neurol Sci** 1982 Feb; 53(2):225-32

Oligoclonal IgG in the cerebrospinal fluid of guinea pigs with acute experimental allergic encephalomyelitis. Rostami A, et al. **J Neurol Sci** 1982 Mar;53(3):433-41

Complete Freund's adjuvant-induced immune prevention against experimental allergic encephalomyelitis in guinea pigs: early appearance of anti-myelin basic protein antibody. Akiyama K, et al. **Jpn J Exp Med** 1981 Apr; 51(2):137-9

Experimental allergic encephalomyelitis (EAE) in two inbred guinea pigs. II. Strain differences in susceptibility to passive transfer of EAE. Fujiwara S, et al. **Jpn J Exp Med** 1981 Feb;51(1):17-20

The effect of prostaglandin precursors in in vivo models of cell-mediated immunity. Stackpoole A, et al. **Prog Lipid Res** 1981;20:649-54

Autoimmune encephalomyelitis: simultaneous identification of T and B cells in the target organ. Traugott U, et al. **Science** 1981 Dec 11;214(4526):1251-3

[Some immunological manifestations of experimental allergic encephalomyelitis (author's transl)] Ryšková O, et al. **Cesk Epidemiol Mikrobiol Imunol** 1982 Jan;31(1):21-9 (Eng. Abstr.) **(Cze)**

[Role of immune complexes in the pathogenesis of experimental polyneuritis and encephalomyelitis] Pleskov VM, et al. **Vopr Med Khim** 1982 Mar-Apr;28(2):81-8 (Eng. Abstr.) **(Rus)**

METABOLISM

In vivo effect of sera from animals with chronic relapsing experimental allergic encephalomyelitis on central and peripheral myelin. Lassmann H, et al. **Acta Neuropathol (Berl)** 1981;55(4):297-306

Ethanolamine plasmalogen & cholesterol ester metabolism in experimental allergic encephalomyelitis. Jagannatha HM, et al. **Indian J Biochem Biophys** 1981 Dec;18(6):411-6

Central nervous system lipid alterations in rats with experimental allergic encephalomyelitis and its suppression by immunosuppressive drugs. Roth GA, et al. **Life Sci** 1982 Mar 8;30(10):859-66

Anatomical evidence for bulbospinal monoamine axon damage in rats with experimental allergic encephalomyelitis. Bieger D, et al. **Neuroscience** 1981; 6(9):1745-52

[Cerebral gangliosides in dogs in experimental allergic encephalomyelitis] Kirol RI, et al. **Vopr Med Khim** 1982 Mar-Apr;28(2):49-52 (Eng. Abstr.) **(Rus)**

PATHOLOGY

Localization of toxic encephalopathies near lesions of experimental allergic encephalomyelitis. Levine S, et al. **Am J Pathol** 1982 May;107(2):135-41

Chronic relapsing experimental allergic encephalomyelitis: identification and dynamics of T and B cells within the central nervous system. Traugott U, et al. **Cell Immunol** 1982 Apr;68(2):261-75

Localization of C-reactive protein in inflammatory lesions of experimental allergic encephalomyelitis. Du Clos TW, et al. **Clin Exp Immunol** 1981 Mar;43(3):565-73

Identification of T cell subsets and B lymphocytes in mouse brain experimental allergic encephalitis lesions. Sriram S, et al. **J Immunol** 1982 Oct;129(4):1649-51

Chronic experimental allergic encephalomyelitis induced in rabbits with bovine white matter proteolipid apoprotein. Williams RM, et al. **J Neuropathol Exp Neurol** 1982 Sep; 41(5):508-21

Chronologic neuropathology of relapsing experimental allergic encephalomyelitis in the mouse. Brown A, et al. **Lab Invest** 1982 Feb;46(2):171-85

The effect of protecting guinea-pigs against EAE on the meningeal inflammatory cell-infiltrate. Allsopp G, et al. **Neuropathol Appl Neurobiol** 1981 Nov-Dec;7(6):477-87

Chronic relapsing experimental allergic encephalomyelitis in the guinea-pig: in-vitro analysis of meningeal inflammatory

cells. Allsopp G, et al. **Neuropathol Appl Neurobiol** 1982 Jan-Feb;8(1):63-70

PHYSIOPATHOLOGY

Heterotopic regeneration of peripheral nerve fibres into the subarachnoid space. Raine CS, et al. **J Neurocytol** 1982 Feb;11(1):109-18

Changes in the effectiveness of the blood-brain and blood-spinal cord barriers in experimental allergic encephalomyelitis. Daniel PM, et al. **J Neurol Sci** 1981 Nov-Dec;52(2-3):211-9

Lipophilin-induced experimental allergic encephalomyelitis in guinea pigs. Madrid RE, et al. **J Neurosci Res** 1982; 7(2):203-13

Relapsing experimental allergic encephalomyelitis in the SJL/J mouse. Brown AM, et al. **Lab Invest** 1981 Sep; 45(3):278-84

Conduction block in the peripheral nervous system in experimental allergic encephalomyelitis. Pender MP, et al. **Nature** 1982 Apr 29;296(5860):860-2

PREVENTION & CONTROL

The effect of cyclosporin A on the adoptive transfer of experimental allergic encephalomyelitis in the Lewis rat. Bolton C, et al. **Clin Exp Immunol** 1982 Jan;47(1):127-32

Suppression of experimental allergic encephalomyelitis by interferon. Abreu SL. **Immunol Commun** 1982;11(1):1-7

Vaccination against autoimmune encephalomyelitis with T-lymphocyte line cells reactive against myelin basic protein. Ben-Nun A, et al. **Nature** 1981 Jul 2;292(5818):60-1

Successful immunization against experimental allergic encephalomyelitis with myelin basic protein-sensitized allogeneic lymphocytes. Hashim GA. **Neurochem Res** 1981 Jun;6(6):699-718

ENCEPHALOMYELITIS, EQUINE

COMPLICATIONS

Teratological effects of western equine encephalitis virus on the fetal nervous system of Macaca mulatta. London WT, et al. **Teratology** 1982 Feb;25(1):71-9

ENZYMOLOGY

Tyrosine hydroxylase activity in Venezuelan equine encephalomyelitis virus infection. Levine S, et al. **Neurochem Res** 1981 Jun;6(6):691-7

FAMILIAL & GENETIC

[Modeling chronic infection in a T-lymphocyte-Venezuelan equine encephalomyelitis virus system] Drynov ID, et al. **Vopr Virusol** 1981 Sep-Oct;(5):572-4 (Eng. Abstr.) **(Rus)**

IMMUNOLOGY

Serum epidemiology of eastern, western and Venezuelan equine encephalitides in Mexico. Ruiz-Gómez J, et al. **Arch Invest Med (Mex)** 1981;12(3):395-419 **(Eng, Spa)**

MICROBIOLOGY

[Morphological study of a mixed alphavirus infection] Gushchin BV, et al. **Vopr Virusol** 1981 Nov-Dec;(6):728-31 (Eng. Abstr.) **(Rus)**

OCCURRENCE

Eastern equine encephalitis in Michigan [letter] Davenport DS, et al. **Arch Neurol** 1982 May;39(5):322-3

Human arboviral infections in the United States in 1980. Kappus KD, et al. **J Infect Dis** 1982 Feb;145(2):283-6

1975 encephalitis epidemic in North Dakota and western Minnesota. An epidemiologic, clinical, and neuropathologic study. Leech RW, et al. **Minn Med** 1981 Sep;64(9):545-8

VETERINARY

Diagnosis of eastern equine encephalomyelitis by immunofluorescent staining of brain tissue. Monath TP, et al. **Am J Vet Res** 1981 Aug;42(8):1418-21

ENCEPHALOMYELITIS, EXPERIMENTAL ALLERGIC see **ENCEPHALOMYELITIS, ALLERGIC**

ENCEPHALOMYELITIS, NECROTIZING HEMORRHAGIC see under **ENCEPHALOMYELITIS**

ENCEPHALOMYELITIS, VENEZUELAN EQUINE see under **ENCEPHALOMYELITIS, EQUINE**

ENCEPHALOMYELITIS VIRUS, MURINE see under **ENTEROVIRUSES**

ENCEPHALOMYOCARDITIS VIRUSES

Study on the met-tRNA-binding activity in Krebs-2 cells infected with encephalomyocarditis virus. Dizhoor AM, et al. **FEBS Lett** 1981 Jun 1;128(1):43-5

DRUG EFFECTS

Mechanism of antiviral action of quercetin against cardiovirus infection in mice. Veckenstedt A, et al. **Antiviral Res** 1981 Nov;1(4):249-61

Action of nucleotide derivatives on translation in encephalomyocarditis virus-infected mouse cells. Carrasco L. **J Gen Virol** 1981 May;54(Pt 1):125-34

ENZYMOLOGY

Rapid method for the preparation of encephalomyocarditis virus protease from rabbit reticulocyte lysates. Shih CY, et al. **J Virol** 1982 Jun;42(3):1127-30

GENETICS

Virus-mediated inhibition of the ppp(A2'p)nA system and its prevention by interferon. Cayley PJ, et al. **Biochem Biophys Res Commun** 1982 Jan 29;104(2):376-82

A mouse cell line, which is unprotected by interferon against lytic virus infection, lacks ribonuclease F activity. Epstein DA, et al. **Eur J Biochem** 1981 Aug;118(1):9-15

Leader polypeptides encoded in the 5'-region of the encephalomyocarditis virus genome. Kazachkov YuA, et al. **FEBS Lett** 1982 May 17;141(2):153-6

The role of mRNA competition in regulating translation. III. Comparison of in vitro and in vivo results. Brendler T, et al. **J Biol Chem** 1981 Nov 25;256(22):11755-61

Identification of the polyprotein termination site on encephalomyocarditis viral RNA. Drake NL, et al. **J Virol** 1982 Feb;41(2):726-9

Functional characterization of cleavage-defective mutants of encephalomyocarditis virus. Young SA, et al. **J Virol** 1982 Jun;42(3):814-24

Assay of interferon by measurement of reduction of MM virus RNA synthesis. Giron DJ. **Methods Enzymol** 1981; 78(Pt A):399-402

GROWTH & DEVELOPMENT

Control of the ppp(a2'p)nA system in HeLa cells. Effects of interferon and virus infection. Silverman RH, et al. **Eur J Biochem** 1982 May;124(1):131-8

Antiviral activity of bacteria-derived human alpha interferons against encephalomyocarditis virus infection of mice. Weck PK, et al. **Infect Immun** 1982 Feb;35(2):660-5

Protein synthesis and membrane integrity in interferon-treated HeLa cells infected with encephalomyocarditis virus. Muñoz A, et al. **J Gen Virol** 1981 Sep;56(Pt 1):153-62

Translational elongation rate changes in encephalomyocarditis virus-infected and interferon-treated cells. Ramabhadran TV, et al. **J Virol** 1981 Aug; 39(2):573-83

Human interferon suppression of retrovirus production and cell fusion, and failure to inhibit replication of encephalomyocarditis virus in rhabdomyosarcoma (RD114) cells. Tomita Y, et al. **Virology** 1982 Jul 15; 120(1):258-63

IMMUNOLOGY

Enzyme-linked immunosorbent assay for immunoglobulin G antibody to encephalomyocarditis virus. Shanley JD. **J Clin Microbiol** 1980 Nov;12(5):663-6

Virus-induced diabetes in mice prevented by a live attenuated vaccine [letter] Notkins AL, et al. **N Engl J Med** 1982 Feb 25;306(8):486

ISOLATION & PURIFICATION

Preparation and characterization of encephalomyocarditis (EMC) virus. Rueckert RR, et al. **Methods Enzymol** 1981; 78(Pt A):315-25

METABOLISM

Effect of enzymes on the attachment of influenza and encephalomyocarditis viruses to erythrocytes. Burness AT, et al. **J Gen Virol** 1981 Aug;55(Pt 2):275-88

The interaction of encephalomyocarditis virus with its erythrocyte receptor on affinity chromatography columns. Pardoe IU, et al. **J Gen Virol** 1981 Nov;57(Pt 1):239-43

Evidence for intramolecular self-cleavage of picornaviral replicase precursors. Palmenberg AC, et al. **J Virol** 1982 Jan;41(1):244-9

Cleavage of the capsid protein precursors of encephalomyocarditis virus in rabbit reticulocyte lysates. Shih CY, et al. **J Virol** 1981 Dec;40(3):942-5

Selective inhibition of cellular protein synthesis by amphotericin B in EMC virus-infected cells. Alonso MA, et al. **Virology** 1981 Oct 15;114(1):247-51

Expression and modulation of virus receptors on lymphoid and myeloid cells: relationship to infectivity. Morishima T, et al. **Virology** 1982 Jan 30;116(2):605-18

[Use of nucleoside di- and monophosphates as substrates in RNA synthesis by replicative complexes of the encephalomyocarditis virus] Kunin EV, et al. **Dokl Akad Nauk SSSR** 1982;263(3):734-7 **(Rus)**

PATHOGENICITY

Inhibition of virus-induced murine diabetes by an interferon inducer. Gadzik JP, et al. **J Interferon Res** 1982;2(1):59-63

PHYSIOLOGY

Selective disorganisation of biochemical function in B cells of islets of Langerhans infected by EMC-M virus in tissue culture. Hellqvist L, et al. **FEBS Lett** 1981 Sep 28; 132(2):215-8

Translation of capped virus mRNA in encephalomyocarditis virus-infected cells. Alonso MA, et al. **J Gen Virol** 1982 Jun;60(Pt 2):315-25

Inhibition of host translation in encephalomyocarditis virus-infected L cells: a novel mechanism. Jen G, et al. **J Virol** 1982 Jul;43(1):250-61

ENCOPRESIS

ETIOLOGY

Practical and emotional aspects of soiling in children with anorectal anomalies. Possibilities for prevention and early intervention. Vandvik IH, et al. **Z Kinderchir** 1981 Aug; 33(4):321-9

PSYCHOLOGY

Neurologic status in hyperactive, enuretic, encopretic, and normal boys. Mikkelsen EJ, et al. **J Am Acad Child Psychiatry** 1982 Jan;21(1):75-81

THERAPY

Paradoxical instruction in the treatment of encopresis and chronic constipation: an experimental analysis. Bornstein PH, et al. **J Behav Ther Exp Psychiatry** 1981 Jun; 12(2):167-70

Encopresis: its potentiation, evaluation, and alleviation. Levine MD. **Pediatr Clin North Am** 1982 Apr;29(2):315-30

[Encopresis: an unmentionable gift, an unacknowledged aggression (author's transl)] Rendu M. **Neuropsychiatr Enfance Adolesc** 1981 Jul-Aug;29(7):365-71 (Eng. Abstr.) **(Fre)**

ENCOUNTER GROUPS see under **SENSITIVITY TRAINING GROUPS**

ENDAMOEBA HISTOLYTICA see **ENTAMOEBA HISTOLYTICA**

ENDARTERECTOMY

The causes and prevention of stroke associated with carotid artery surgery. Jernigan WR, et al. **Am Surg** 1982 Feb; 48(2):79-84

The failure of nasal plethysmography to estimate cerebral blood flow during carotid occlusion. Cucchiara RF, et al. **Anesthesiology** 1981 Nov;55(5):585-6

Carotid endarterectomy under regional (conductive) anesthesia. Peitzman AB, et al. **Ann Surg** 1982 Jul; 196(1):59-64

Manual coronary endarterectomy and revascularization: improving techniques and results [editorial] Keon WJ. **Ann Thorac Surg** 1981 Nov;32(5):427-8

Prophylactic carotid endarterectomy for asymptomatic bruit. A look at cardiac risk. Burke PA, et al. **Arch Surg** 1982 Sep;117(9):1222-7

Recurrent stenosis after carotid endarterectomy. Callow AD. **Arch Surg** 1982 Aug;117(8):1082-5

Noninvasive detection of carotid stenosis [letter] Houck WS Jr. **Arch Surg** 1982 Apr;117(4):515

Endarterectomy for segmental occlusive disease of the superficial femoral artery. Inahara T, et al. **Arch Surg** 1981 Dec;116(12):1547-53

Postoperative stroke and late neurologic complications after carotid endarterectomy. Lees CD, et al. **Arch Surg** 1981 Dec;116(12):1561-8

Neuropsychological changes following carotid endarterectomy. Bornstein RA, et al. **Can J Neurol Sci** 1981 May;8(2):127-32

Intraoperative regional cerebral blood flow during carotid endarterectomy. Rowed DW, et al. **Can J Neurol Sci** 1981 Aug;8(3):235-41

Simultaneous myocardial revascularization and carotid endarterectomy. Schwartz RL, et al. **Circulation** 1982 Aug; 66(2 Pt 2):I97-101

The effect of carotid endarterectomy on mental functioning. Boeke S. **Clin Neurol Neurosurg** 1981;83(4):209-17

Neurological manifestations of external carotid artery disease. Hodosh RM, et al. **Clin Neurosurg** 1981;28:384-406

The current status of carotid artery surgery. Bardin JA, et al. **Head Neck Surg** 1982 May-Jun;4(5):419-26

The effect of heparin reversal after carotid endarterectomy in the dog. A scanning electron microscopy study. Chandler WF, et al. **J Neurosurg** 1982 Jan;56(1):97-102

Carotid endarterectomy's value still uncertain [news] Check WA. **JAMA** 1982 Apr 2;247(13):1802-3

Mesenteric infarction in Takayasu's arteritis treated by thromboendarterectomy and intestinal resection. Esato K, et al. **Jpn J Surg** 1982;12(2):130-4

Early angiographic changes after carotid endarterectomy. Diaz FG, et al. **Neurosurgery** 1982 Feb;10(2):151-61

Use of anticoagulants, electroencephalographic monitoring, and barbiturate cerebral protection in carotid endarterectomy. Gross CE, et al. **Neurosurgery** 1981 Jul; 9(1):1-5

Asymptomatic carotid disease in the cardiovascular surgical

patient: is prophylactic endarterectomy necessary? Barnes RW, et al. **Stroke** 1981 Jul–Aug;12(4):497–500
Postendarterectomy carotid occlusion. Ortega G, et al. **Surgery** 1981 Dec;90(6):1093–8
Recurrent stenosis of the endarterectomized carotid artery. Calhoun TR, et al. **Va Med** 1981 Nov;108(11):721–2
Ileofemoropopliteal revascularization in one stage. Sonnenfeld T. **Vasa** 1982;11(1):41–5
[Follow-up after carotid endarterectomy with special reference to the age (author's transl)] Raithel D, et al. **Aktuel Gerontol** 1982 May;12(3):88–9 (Eng. Abstr.) **(Ger)**
[Endarterectomy of the carotid artery. Criteria for selection of patients and methods of cerebral protection] Albanese V, et al. **Acta Neurol [Quad] (Napoli)** 1980;41:96–104 **(Ita)**
[Treatment of aorto–iliac obstructive arteriopathy. Thromboendarterectomy operations] Agrifoglio G, et al. **Minerva Chir** 1980 Dec 15–31;35(23–24):1869–71 **(Ita)**
[The role and choice of surgical treatment in obliterating arteriopathies] Cariati E, et al. **Minerva Chir** 1981 Sep 15; 36(17):1085–92 **(Ita)**
[Electroencephalographic monitoring of carotid surgery] Infuso L, et al. **Riv Neurobiol** 1981 Jan–Mar;27(1):97–104 **(Ita)**

ADVERSE EFFECTS

Hemiparesis following carotid endarterectomy: comparison of monitoring methods. Grundy BL, et al. **Anesthesiology** 1981 Oct;55(4):462–6
Carotid–cavernous fistula as a complication of carotid endarterectomy. Kushner FH. **Ann Ophthalmol** 1981 Aug; 13(8):979–82
Management of postendarterectomy neurologic deficits. Perdue GD. **Arch Surg** 1982 Aug;117(8):1079–81
Carotid artery occlusion following endarterectomy: evaluation by spectral analysis of Doppler ultrasound signals. Aukland A, et al. **Br J Surg** 1982 Jan;69(1):45–7
Results of carotid artery surgery for cerebral vascular insufficiency. Schroeder PJ. **Conn Med** 1981 Dec; 45(12):759–61
Unilateral white matter necrosis following carotid endarterectomy. Gronemeyer PS, et al. **Hum Pathol** 1982 Mar;13(3):281–2
[Phoniatric study of patients with carotid artery stenosis] Seinsch W, et al. **Folia Phoniatr (Basel)** 1981;33(3):161–7 (Eng. Abstr.) **(Ger)**

INSTRUMENTATION

Dissectors for endarterectomy. Feldman MA. **J R Coll Surg Edinb** 1982 Jan;27(1):53–4

METHODS

Early and late results of combined endarterectomy and coronary bypass grafting for diffuse coronary disease. Halim MA, et al. **Am J Cardiol** 1982 May;49(7):1623–6
Routine use of a shunt for carotid endarterectomy. Schiro J, et al. **Am J Surg** 1981 Dec;142(6):735–8
Manual coronary endarterectomy with saphenous bypass: experience with 263 patients. Wallsh E, et al. **Ann Thorac Surg** 1981 Nov;32(5):451–7
Determinants of cerebral perfusion pressure during carotid endarterectomy. Archie JP Jr, et al. **Arch Surg** 1982 Mar; 117(3):319–22
Cerebral protection in carotid surgery. Imparato AM, et al. **Arch Surg** 1982 Aug;117(8):1073–8
Prevention of neurologic complications of carotid endarterectomy. Owens ML, et al. **Arch Surg** 1982 May; 117(5):551–5
Carotid endarterectomy. The unreliability of intraoperative monitoring in patients having had stroke or reversible ischemic neurologic deficit. Rosenthal D, et al. **Arch Surg** 1981 Dec;116(12):1569–75
Perioperative management of high risk patients with cardiopulmonary disease undergoing carotid endarterectomy or extracranial–intracranial bypass. Pritz MB, et al. **Neurosurgery** 1982 Apr;10(4):422–7
Intra-operative monitoring and internal shunts: are they necessary in carotid endarterectomy? Ferguson GG. **Stroke** 1982 May–Jun;13(3):287–9
The accuracy of carotid back pressure as an index for shunt requirements. A reappraisal. Hunter GC, et al. **Stroke** 1982 May–Jun;13(3):319–26
Real-time intraoperative angiosonography after carotid endarterectomy. Lane RJ, et al. **Surgery** 1982 Jul;92(1):5–9
Comparison of results of bilateral and unilateral carotid endarterectomy five years after surgery. Riles TS, et al. **Surgery** 1982 Mar;91(3):258–62
Ileofemoral thromboendarterectomy through retroperitoneal approach. Sonnenfeld T. **Surgery** 1981 Nov;90(5):868–71
[Iliac endarterectomy for widespread obliteration. 10 years follow-up of 200 operations (author's transl)] Becquemin JP, et al. **J Mal Vasc** 1981;6(4):285–8 (Eng. Abstr.) **(Fre)**
[Venous graft versus carotid thromboendarterectomy (T.E.) (author's transl)] Cormier JM, et al. **J Mal Vasc** 1982; 7(1):25–31 (Eng. Abstr.) **(Fre)**
[Iliac and aorto–iliac endarterectomies] Langeron P. **J Mal Vasc** 1982;7(1):99–100 **(Fre)**
[Interventional radiology. Indications and results] Peters PE. **Intern.st (Berlin)** 1982 Feb;23(2):106–17 **(Ger)**
[The value of intraoperative arteriography in detecting complications of vascular surgery in the femoro–popliteal and crural region (author's transl)] Kretschmer G, et al. **Langenbecks Arch Chir** 1981;354(2):89–100 (Eng. Abstr.) **(Ger)**
[Carotid endarterectomy without occlusion (author's transl)] Lüdtke–Handjery A, et al. **Nervenarzt** 1981 Oct; 52(10):608–10 **(Ger)**
[Transluminal angioplasty in combination with surgical procedures in arteriosclerotic occlusive disease of the lower extremity (author's transl)] Stösslein F, et al. **Zentralbl Chir** 1981;106(23):1521–8 (Eng. Abstr.) **(Ger)**
[Thrombendarterectomy of the femoro–popliteal region for chronic occlusion (author's transl)] Wagemann W, et al. **Zentralbl Chir** 1981;106(20):1360–8 (Eng. Abstr.) **(Ger)**
[Thrombendarterectomy with autovenous plastic repair of the common femoral artery in an acute myocardial infarct patient] Shilov AM, et al. **Kardiologiia** 1982 Apr; 22(4):103–5 **(Rus)**
[Simultaneous coronary and carotid revascularization. (Presentation of a case with complex cerebrovascular pathology operated on successfully using hypothermia for cerebral protection)] Martin Trenor A, et al. **Rev Med Univ Navarra** 1981 Sep;25(3):41–5 (Eng. Abstr.) **(Spa)**

ENDARTERITIS

COMPLICATIONS

Mycotic aneurysm at site of formerly ligated ductus arteriosus caused by infective endarteritis. Hess J, et al. **Br Heart J** 1982 Jan;47(1):103–5
[Relations between myocardial infarct, gastroduodenal ulcer and endarteritis obliterans] Simone S, et al. **Boll Soc Ital Cardiol** 1980;25(6):677–82 (Eng. Abstr.) **(Ita)**

DIAGNOSIS

[Differential diagnosis of endangiitis and arteriosclerosis obliterans] Krahl D, et al. **Z Gesamte Inn Med** 1982 Jan 1;37(1):25–9 (Eng. Abstr.) **(Ger)**

PATHOLOGY

[Microcirculatory bed in chronic arterial obliteration] Bytka PF, et al. **Arkh Anat Gistol Embriol** 1982 Jun;82(6):49–55 (Eng. Abstr.) **(Rus)**

PHYSIOPATHOLOGY

[Pathophysiological aspects of peripheral hemodynamics in thrombotic obliterating diseases of the legs] Sidarenko LN, et al. **Klin Khir** 1981 Jul;(7):20–3 (Eng. Abstr.) **(Rus)**

SURGERY

[Regional perfusion in patients in the late stages of thrombo–obliterating vascular diseases of the legs] Sidarenko LN, et al. **Vestn Khir** 1982 Mar;128(3):81–5 **(Rus)**

THERAPY

[Use of regional hyperthermic perfusion with oxygenation of the blood in the treatment of patients with obliterating endarteritis] Kulik IaP, et al. **Khirurgiia (Mosk)** 1982 Feb; (2):31–3 (Eng. Abstr.) **(Rus)**
[Role of ganglionectomy in the combined treatment of thrombotic obliterating diseases of the extremity arteries] Omeliashko AA, et al. **Klin Khir** 1981 Jul;(7):45–7 (Eng. Abstr.) **(Rus)**
[Acupuncture in endarteritis obliterans of the lower limbs] Storozhuk VT, et al. **Klin Med (Mosk)** 1981 Nov; 59(11):92–5 **(Rus)**
[Correction of the regional blood flow in obliterating vascular lesions of the legs] Barinov VS, et al. **Vestn Khir** 1982 Mar;128(3):71–6 (Eng. Abstr.) **(Rus)**

ENDO–1,3–BETA–GLUCANASE see under **GLYCOSIDE HYDROLASES**

ENDO–1,4–BETA GLUCANASE see **CELLULASE**

ENDOCARDIAL FIBROELASTOSIS

COMPLICATIONS

Clinicopathologic conference: a six–month–old infant with sudden onset of metabolic acidosis and shock. Katcher ML, et al. **Am J Med Genet** 1982 Jan;11(1):77–96
[2 cases of myocardial infarct in infants] Trifan N, et al. **Rev Pediatr Obstet Ginecol [Pediatr]** 1981 Oct–Dec; 30(4):357–62 (Eng. Abstr.) **(Rum)**

DIAGNOSIS

Endocardial fibroelastosis with predominant involvement of left atrium. Possibility of diagnosis by non-invasive methods. Björkhem G, et al. **Br Heart J** 1981 Sep; 46(3):331–7

ETIOLOGY

Sequelae of atriotomy and ventriculotomy on the endocardium, conduction system and coronary arteries. Bharati S, et al. **Am J Cardiol** 1982 Sep;50(3):580–7

PATHOLOGY

[Acquired heart diseases. Endocardial fibroelastosis] Okada R. **Nippon Rinsho** 1981 Nov;39(11):3566–9 **(Jpn)**
[Acquired heart diseases. Endocardial fibroelastosis] Okada R. **Nippon Rinsho** 1981;39(12):3784–7 **(Jpn)**

VETERINARY

Endocardial fibroelastosis in Burmese cats. Zook BC, et al. **Am J Pathol** 1982 Mar;106(3):435–8

ENDOCARDITIS

COMPLICATIONS

Endocarditis during Staphylococcus aureus septicemia in a population of non–drug addicts. Mirimanoff RO, et al. **Arch Intern Med** 1982 Jul;142(7):1311–3
Mitral stenosis and mitral incompetence due to Libman–Sacks endocarditis with mitral valve replacement. Evans DT, et al. **Aust NZ J Med** 1981 Oct;11(5):526–8
A case of eosinophilic leukemia associated with Löffler's endocarditis. Clinical course and autopsy findings. Hirose Y, et al. **Nippon Ketsueki Gakkai Zasshi** 1981 Jul; 44(4):902–9
[Calcified tricuspid endocarditis complicated by a paradoxical aortic embolism in a child (author's transl)] Chaptal PA, et al. **Ann Chir** 1982 Feb;36(2):170–3 (Eng. Abstr.) **(Fre)**
[Anatomo–clinical conference at the Pitié–Salpêtrière. Multiple arterial embolisms in a 70–year–old man] Herson S, et al. **Ann Med Interne (Paris)** 1981;132(8):595–9 **(Fre)**
[Anatomo–clinical conference of Pitié–Salpêtrière: case No. 6 – 1981. Changes in the general state multifocal motor deficiencies and vision disorders in a 55–year–old man] Serdaru M, et al. **Ann Med Interne (Paris)** 1981; 132(6):434–41 **(Fre)**
[Circulatory collapse in a man with nonbacterial thrombotic endocarditis (author's transl)] Nakao M, et al. **Nippon Naika Gakkai Zasshi** 1981 Sep 10;70(9):1273–6 **(Jpn)**
[Intracardiac thrombosis of the right ventricle caused by Candida (candidiasis endocarditis). Report of a case] de Arriaga AD, et al. **Rev Inst Med Trop Sao Paulo** 1981 Sep–Oct;23(5):225–8 (Eng. Abstr.) **(Por)**

CONGENITAL

Nonbacterial endocardial thrombosis in neonates: relationship to persistent fetal circulation. Morrow WR, et al. **J Pediatr** 1982 Jan;100(1):117–22

DIAGNOSIS

Two–dimensional echocardiographic features of Löffler's endocarditis. Lengyel M, et al. **Actn Cardiol (Brux)** 1982; 37(1):59–69
Aspergillus terreus, a pathogen capable of causing infective endocarditis, Pulmonary mycetoma, and allergic bronchopulmonary aspergillosis. Latham MN, et al. **Am Rev Respir Dis** 1982 Jun;125(6):769–72
Echocardiography in Löffler's endocarditis. Rodger JC, et al. **Br Heart J** 1981 Jul;46(1):110–2
Löffler's eosinophilic endocarditis [editorial] **Lancet** 1981 Nov 7;2(8254):1028–9
The clinical manifestations of infective endocarditis. Hermans PE. **Mayo Clin Proc** 1982 Jan;57(1):15–21
The role of the microbiology laboratory in the diagnosis and antimicrobial treatment of infective endocarditis. Washington JA 2d. **Mayo Clin Proc** 1982 Jan;57(1):22–32 (58 ref.)
Marantic endocarditis in children and young adults: clinical and pathological findings. Young RS, et al. **Stroke** 1981 Sep–Oct;12(5):635–9
[Infectious endocarditis: clinical findings, therapy and course in 103 patients] Lode H, et al. **Dtsch Med Wochenschr** 1982 Jun 25;107(25):967–74 (Eng. Abstr.) **(Ger)**
[Diagnostic and therapeutic problems in infectious endocarditis] Costa C, et al. **Clin Ter** 1982 Apr 15; 101(1):3–44 (166 ref.) (Eng. Abstr.) **(Ita)**
[The echocardiographic study in 13 cases with infective endocarditis (author's transl)] Morita N, et al. **J Cardiogr** 1981 Sep;11(3):765–77 (Eng. Abstr.) **(Jpn)**

DRUG THERAPY

Therapy of methicillin–resistant Staphylococcus epidermidis experimental endocarditis. Lowy FD, et al. **J Lab Clin Med** 1982 Jul;100(1):94–104

ETIOLOGY

Mycotic pulmonary artery aneurysm: complication of Aspergillus endocarditis. Choyke PL, et al. **AJR** 1982 Jun; 138(6):1172–5
Infective endocarditis caused by Paecilomyces varioti. Kalish SB, et al. **Am J Clin Pathol** 1982 Aug;78(2):249–52
About one case of fungal endocarditis in acute myeloblastic leukaemia. Keates JR, et al. **G Ital Cardiol** 1982; 11(11):1806–8
Endocarditis: an overview. Barry J, et al. **Heart Lung** 1982

Mar-Apr;11(2):138-45 (36 ref.)
Infections of prosthetic cardiac valves and arterial grafts. Kluge RM. **Heart Lung** 1982 Mar-Apr;11(2):146-51
Severe tricuspid incompetence due to endocarditis complicating a ventriculo- venous shunt. Buch J. **Neurochirurgia (Stuttg)** 1981 Sep;24(5):180-1
Malignant islet-cell tumour of the pancreas presenting with non-bacterial thrombotic endocarditis and eosinophilia. O'Boyle CP, et al. **Postgrad Med J** 1981 Jul;57(669):457-8
Dysfunction of the Björk-Shiley prosthesis. Report of 32 cases. Montero CG, et al. **Scand J Thorac Cardiovasc Surg** 1982;16(1):9-15
Trichosporon capitatum causing recurrent fungal endocarditis. Arnold AG, et al. **Thorax** 1981 Jun; 36(6):478-80
[Endocarditis on valve prostheses. Apropos of 26 cases] Ismail MB, et al. **Arch Mal Coeur** 1981 Dec;74(12):1417-25 (Eng. Abstr.) **(Fre)**
[Aortic insufficiency with endocardial rheumatic granuloma in rheumatoid arthritis (letter)] Hoang C, et al. **Nouv Presse Med** 1981 Nov 7;10(40):3320-1 **(Fre)**
[Case of late complication of implantation of mitral valve prosthesis] Teska J, et al. **Wiad Lek** 1981 Jun 15; 34(12):1009-11 (Eng. Abstr.) **(Pol)**
[Endocarditis in dura mater prosthesis caused by Acremonium kiliense] Lacaz C da S, et al. **Rev Inst Med Trop Sao Paulo** 1981 Nov-Dec;23(6):274-9 (Eng. Abstr.) **(Por)**

IMMUNOLOGY

Immunohistological studies on valvular vegetations in nonbacterial thrombotic endocarditis (NBTE). Lehto VP, et al. **Acta Pathol Microbiol Immunol Scand [A]** 1982 May; 90(3):207-11
Detection of circulating antigen in experimental Candida albicans endocarditis by an enzyme-linked immunosorbent assay. Scheld WM, et al. **J Clin Microbiol** 1980 Nov; 12(5):679-83

MICROBIOLOGY

Anaerobic bacteria in septicaemia and endocarditis. Nord CE. **Scand J Infect Dis [Suppl]** 1982;31:95-104

MORTALITY

[Infectious endocarditis of the heart valves and valvular prostheses. report of 21 cases] Díaz-Devis C, et al. **Arch Inst Cardiol Mex** 1982 Mar-Apr;52(2):169-74 (Eng. Abstr.) **(Spa)**

PARASITOLOGY

Pancarditis in acute toxoplasmosis. Cunningham T. **Am J Clin Pathol** 1982 Sep;78(3):403-5

PATHOLOGY

Nonbacterial thrombotic endocarditis. A neurologic perspective of clinicopathologic correlations of 99 patients. Biller J, et al. **Arch Neurol** 1982 Feb;39(2):95-8
[Eosinophilic endocarditis and endomyocardial fibrosis---a report of 4 cases (author's transl)] Gu JN. **Chung Hua Hsin Hsueh Kuan Ping Tsa Chih** 1981 Dec; 9(4):273-4 **(Chi)**
[A clinicopathologic analysis of 6 cases of nonbacterial thrombotic endocarditis (author's transl)] Zhang CH. **Chung Hua Nei Ko Tsa Chih** 1981 Sep;20(9):544-7 **(Chi)**
[Loeffler's endocarditis] Müller-Höcker J, et al. **Med Welt** 1982 Apr 30;33(17):613-7 **(Ger)**
[Nonbacterial thrombotic 'endocarditis'] Bambirra EA. **AMB** 1981 Mar;27(3):113-4 **(Por)**
[Case of Löffler's parietal fibroplastic endocarditis] Leĭba VI. **Arkh Patol** 1981;43(9):53-5 (Eng. Abstr.) **(Rus)**
[Loeffler's parietal fibroplastic endocarditis] Skliankaia OA, et al. **Arkh Patol** 1982;44(5):64-8 **(Rus)**

PHYSIOPATHOLOGY

[Echocardiographic aspects of infectious endocarditis] Gouveia R, et al. **Acta Med Port** 1981 Mar-Apr;3(2):77-98 (Eng. Abstr.) **(Por)**
[Aspergillus endocarditis. Report of a case treated surgically with success] García Gómez R, et al. **Arch Inst Cardiol Mex** 1981 Nov-Dec;51(6):549-53 (Eng. Abstr.) **(Spa)**

PREVENTION & CONTROL

Treating dental patients susceptible to endocarditis. Weidman B, et al. **Ann Dent** 1981 Winter;40(2):38-41
Dental treatment and management of a patient with a prosthetic heart valve. Baumgartner JC, et al. **J Am Dent Assoc** 1982 Feb;104(2):181-4

RADIONUCLIDE IMAGING

Enterococcal endocarditis: a rare cause of focal cardiac uptake in infarct-avid myocardial scintigraphy. Kerber G, et al. **Arch Intern Med** 1982 Jul;142(7):1360-2
Wedged appearance of splenic infarcts on scans. Lin MS, et al. **Clin Nucl Med** 1981 Nov;6(11):556

SURGERY

Surgery in active endocarditis. Dinubile MJ. **Ann Intern Med** 1982 May;96(5):650-9 (156 ref.)
Fungal endocarditis in a patient with acute leukaemia treated by valve replacement. Crofts MA, et al. **Br Med J [Clin Res]** 1982 Feb 20;284(6315):574-5
Surgical treatment of constrictive fibrous endocarditis. Dubost C, et al. **J Thorac Cardiovasc Surg** 1981 Oct; 82(4):585-91
[Constrictive fibrous endocarditis : surgical treatment] Dubost C. **Acquis Med Recent** 1981;198:19-29 **(Fre)**
[Constrictive fibrous endocarditis: surgical treatment] Dubost C. **Bull Mem Acad R Med Belg** 1981;136(3):181-94 (Eng. Abstr.) **(Fre)**

THERAPY

Evaluation and management of prosthetic valve endocarditis. Mayer KH, et al. **Prog Cardiovasc Dis** 1982 Jul-Aug; 25(1):43-54 (130 ref.)
Progress in management of patients with infective endocarditis. Cobbs CG, et al. **Trans Am Clin Climatol Assoc** 1981;93:32-41

ENDOCARDITIS, BACTERIAL

see related
ANEURYSM, MYCOTIC
[Changes in infectious endocarditis in 3 decades] Schwytzer F, et al. **Schweiz Med Wochenschr** 1981 Dec 26; 111(52):2030-5 (Eng. Abstr.) **(Ger)**

BLOOD

Role of granulocytes in experimental Streptococcus sanguis endocarditis. Meddens MJ, et al. **Infect Immun** 1982 Apr; 36(1):325-32
A thrombotic tendency in patients with infective endocarditis. Fukuda Y, et al. **Jpn Circ J** 1982 May; 46(5):460-7
Culture-negative endocarditis. Van Scoy RE. **Mayo Clin Proc** 1982 Mar;57(3):149-54

COMPLICATIONS

Severe backache as a presenting sign of bacterial endocarditis. Härkönen M, et al. **Acta Med Scand** 1981;210(4):329-31
Two-dimensional echocardiographic identification of sinus of Valsalva-right heart fistula due to infective endocarditis. Bardy GH, et al. **Am Heart J** 1982 Jun;103(6):1068-71
Acquired cor triatriatum (left ventricular false aneurysm): complication of active infective endocarditis of the aortic valve with ring abscess treated by valve replacement. McManus BM, et al. **Am Heart J** 1982 Aug;104(2 Pt 1):312-4
Vegetation diastolic sound in mitral valve endocarditis. Valovis R, et al. **Am Heart J** 1982 Mar;103(3):432-5
Rupture of spleen complicating infective endocarditis. Senecky JG, et al. **Am J Dis Child** 1981 Dec;135(12):1144-5
Glomerulonephritis associated with endocarditis caused by Actinobacillus actinomycetemcomitans. Shah GM, et al. **Am J Kidney Dis** 1981 Sep;1(2):113-5
Case report: livedo reticularis in endocarditis. Bishop H, et al. **Am J Med Sci** 1981 Nov-Dec;282(3):131-5
Gonococcal endocarditis in a patient with mitral valve prolapse: study of host immunology and organism characteristics. Sugar AM, et al. **Am J Med Sci** 1982 May-Jun;283(3):165-8
Aortic pericardial heterograft obstruction from endocarditis. Lam W, et al. **Ann Intern Med** 1982 Mar;96(3):335-6
Brucella abortus endocarditis: successful treatment of an infected aortic valve. Pazderka E, et al. **Arch Intern Med** 1982 Aug;142(8):1567-8
Echocardiographic detection of subvalvar aortic root aneurysm extending to mitral valve annulus as complication of aortic valve endocarditis. Griffiths BE, et al. **Br Heart J** 1982 Apr;47(4):392-6
Reliability and clinical relevance of detection of vegetations by echocardiography in bacterial endocarditis. Hickey AJ, et al. **Br Heart J** 1981 Dec;46(6):624-8
Infective endocarditis-associated glomerulonephritis in rabbits: evidence of a pathogenetic role for antiglobulins. Sindrey M, et al. **Clin Exp Immunol** 1981 Aug;45(2):253-60
Actinobacillus endocarditis associated with periodontal disease. Anolik R, et al. **Clin Pediatr (Phila)** 1981 Oct; 20(10):653-5
Bacterial endocarditis in cirrhosis. Denton JH, et al. **Dig Dis Sci** 1981 Oct;26(10):935-7
Bone infarcts in bacterial endocarditis. Eide J. **Hum Pathol** 1982 Jul;13(7):631-4
Pneumococcal aortic valvar endocarditis with atrio-ventricular perforation. Lougie Y, et al. **J Cardiovasc Surg (Torino)** 1982 Jul-Aug;23(4):338-43
Acute endocarditis: surgical treatment of aortic regurgitation and aortico--left ventricular discontinuity. Symbas PN, et al. **J Thorac Cardiovasc Surg** 1982 Aug;84(2):291-6
Bacterial endocarditis complicated by myocardial infarction in a pediatric patient. Feder HM Jr, et al. **JAMA** 1982 Mar 5;247(9):1315-6
Renal failure secondary to Moraxella osloensis endocarditis. Stryker TD, et al. **Johns Hopkins Med J** 1982 Jun; 150(6):217-9
Successful management of iliac mycotic aneurysm secondary to Klebsiella endocarditis--report of a case. Fujinaga Y, et al. **Jpn J Surg** 1981 Mar;11(2):100-4
Management of complications of infective endocarditis. Wilson WR, et al. **Mayo Clin Proc** 1982 Mar;57(3):162-70
Glomerulonephritis associated with infective endocarditis in a pediatric patient. Allen DB, et al. **NC Med J** 1982 Feb; 43(2):113-7
Echocardiographic diagnosis of tricuspid valve endocarditis in a child with a normal heart. Special emphasis on surgical considerations. Goessler MC, et al. **Pediatr Cardiol** 1982; 2(2):141-3
Bacterial endocarditis and renal failure in a 10-year-old boy. Schleman M, et al. **Pediatr Cardiol** 1982;2(3):259-62
Streptococcus bovis and colonic neoplasia. Cobb BW, et al. **Penn Med** 1982 Jan;85(1):20-2
Corynebacterium diphtheriae endocarditis in an adult with congenital cyanotic heart disease. A case report. Sandler M. **S Afr Med J** 1982 Apr 17;61(16):594
Infective endocarditis from group C streptococci causing stenosis of both the aortic and mitral valves. Davies MK, et al. **Thorax** 1981 Jan;36(1):69-71
[Rupture of papillary muscle and chorda tendonae due to infectious endocarditis---report of one case (author's transl)] Liu YH. **Chung Hua Hsin Hsueh Kuan Ping Tsa Chih** 1981 Dec; 9(4):302-4 **(Chi)**
[Infective endocarditis complicated by valvular rupture (author's transl)] Wang SR. **Chung Hua Nei Ko Tsa Chih** 1982 Mar;21(3):153-6 **(Chi)**
[Aortic aneurysms as complication of bacterial endocarditis. Report of two cases (author's transl)] Martinelli L, et al. **G Ital Cardiol** 1981;11(8):1160-6 (Eng. Abstr.) **(Ita)**
[Isolated tricuspid valvular insufficiency due to infective endocarditis in ventricular septal defect (author's transl)] Sakaguchi K, et al. **Kokyu To Junkan** 1981 Sep; 29(9):1009-14 (Eng. Abstr.) **(Jpn)**
[A successful surgical treatment of adult patent ductus arteriosus with aortic, mitral, pulmonary and tricuspid regurgitation due to bacterial endocarditis (author's transl)] Kobayashi Y, et al. **Kyobu Geka** 1981 Oct;34(10):759-62 (Eng. Abstr.) **(Jpn)**
[A case of kinking of the aorta and aortic valve stenoinsufficiency due to infective endocarditis (author's transl)] Suzuki T, et al. **Kyobu Geka** 1981 Feb;34(2):139-42 (Eng. Abstr.) **(Jpn)**
[Surgical treatment of aortic insufficiency in bacterial endocarditis] Anker E, et al. **Tidsskr Nor Laegeforen** 1981 Nov 20;101(32):1813-5 (Eng. Abstr.) **(Nor)**
[Cerebral circulatory disorders in septic endocarditis] Bernadskaia MM. **Zh Nevropatol Psikhiatr** 1981; 81(9):1304-8 (Eng. Abstr.) **(Rus)**
[Musculoskeletal syndrome in infective endocarditis and replacement of flail aortic valve in active disease (author's transl)] Cikeš I, et al. **Lijec Vjesn** 1981 Jan;103(1):16-20 (Eng. Abstr.) **(Scr)**

DIAGNOSIS

Infective endocarditis update experience from a heart hospital. Auger P, et al. **Acta Cardiol (Brux)** 1981; 36(2):105-23
Rapidly progressive vegetative endocarditis. Buda AJ, et al. **Acta Cardiol (Brux)** 1982;37(2):85-92
Diagnostic accuracy of M-mode echocardiography in active infective endocarditis and prognostic implications of ultrasound-detectable vegetations. Come PC, et al. **Am Heart J** 1982 May;103(5):839-47
Two-dimensional echocardiographic features diagnostic of isolated pulmonic valve endocarditis. Mehlman DJ, et al. **Am Heart J** 1982 Jan;103(1):137-9
Natural history of tricuspid valve endocarditis: a two dimensional echocardiographic study. Ginzton LE, et al. **Am J Cardiol** 1982 Jun;49(8):1853-9
Valve ring abscess in infective endocarditis: visualization with wide angle two dimensional echocardiography. Scanlan JG, et al. **Am J Cardiol** 1982 May;49(7):1794-800
Clinical significance of titered circulating microbial antibody in bacteremia. Nagai T, et al. **Am J Clin Pathol** 1982 Apr; 77(4):430-5
Association between serum inhibitory and bactericidal concentrations and therapeutic outcome in bacterial endocarditis. Coleman DL, et al. **Am J Med** 1982 Aug; 73(2):260-7 (45 ref.)
New heart murmur and fever in a patient with systemic lupus erythematosus. Bomalaski J, et al. **Arch Intern Med** 1982 Apr;142(4):823-4
Streptococcus bovis endocarditis presenting as acute vertebral osteomyelitis [letter] Allen SL, et al. **Arthritis Rheum** 1981 Sep;24(9):1211-2
Echocardiographic diagnosis of isolated pulmonary valve endocarditis. Dander B, et al. **Br Heart J** 1982 Mar; 47(3):298-300
Reliability and clinical relevance of detection of vegetations by echocardiography in bacterial endocarditis. Mills P. **Br Heart J** 1982 Jul;48(1):83-4
Echocardiographic demonstration of aortic root abscess after infective endocarditis. Wong CM, et al. **Br Heart J** 1981 Nov;46(5):584-6
Septicaemia in the elderly. Leeming JT. **Br J Hosp Med** 1981 Nov;26(5):459-60, 465
Detection of mitral ring abscess by two-dimensional echocardiography. Nakamura K, et al. **Circulation** 1982 Apr;65(4):816-9
Mid-diastolic aortic valve opening in bacterial endocarditis of aortic valve. Nathan MP, et al. **Clin Cardiol** 1982 Apr;

5(4):294–8
Staphylococcal endocarditis presenting as meningitis in pregnancy. McComb JM, et al. **Int J Cardiol** 1982; 1(3–4):325–7
Bacterial endocarditis--its diagnostic problems. Agarwal RK, et al. **J Assoc Physicians India** 1981 Sep;29(9):745–50
Bacterial endocarditis in the community hospital. Haddy RI, et al. **J Fam Pract** 1981 Nov;13(6):807–11
Echocardiographic evaluation in surgically treated infective endocarditis. Doty WD, et al. **J Fla Med Assoc** 1981 Dec; 68(12):980–5
Bacterial endocarditis and right atrial vegetation. Detection by two-dimensional echocardiography. Eichhorn EJ, et al. **JAMA** 1981 Dec 11;246(23):2724–5
Spectrum of the infective endocarditis in the past five years. Nakamura K, et al. **Jpn Circ J** 1982 Apr;46(4):352–61
The clinical manifestations of infective endocarditis. Hermans PE. **Mayo Clin Proc** 1982 Jan;57(1):15–21
Infective endocarditis of the aorta valve--demonstration of valvular vegetations by M-Mode and Cross-Sectional echocardiography. Ng WH. **Med J Malaysia** 1981 Dec; 36(4):205–8
Diagnosis, management, and prevention of infective endocarditis. Watanakunakorn C. **Primary Care** 1981 Dec; 8(4):733–51
Case of the winter season: mycotic aneurysms complicating bacterial endocarditis. Boyez M. **Semin Roentgenol** 1982 Jan;17(1):5–7
[The diagnostic problems of infective endocarditis--with an analysis of 211 clinical cases and 50 autopsy cases (author's transl)] Jiang Y. **Chung Hua Nei Ko Tsa Chih** 1981 Jul; 20(7):407–11 **(Chi)**
[Primary infective endocarditis of the aortic orifice. Intensive care. Clinical, pathological and therapeutic study (author's transl)] Hourdebaigt-Larrusse P, et al. **Ann Cardiol Angeiol (Paris)** 1981 May;30(3):177–83 (Eng. Abstr.) **(Fre)**
[Contribution of echocardiography to the diagnosis of infectious endocarditis and its complications. Experiment on 90 cases (author's transl)] Neimann JL, et al. **Ann Cardiol Angeiol (Paris)** 1981 Jul-Sep;30(4):245–52 (Eng. Abstr.) **(Fre)**
[Bacterial endocarditis due to Corynebacterium diphtheriae (author's transl)] Senaneuch C, et al. **Arch Fr Pediatr** 1982 Mar;39(3):165–8 (Eng. Abstr.) **(Fre)**
[Current aspects of infectious endocarditis] Witchitz S, et al. **Nouv Presse Med** 1981 Oct 17;10(37):3043–4 **(Fre)**
[Brucella melitensis endocarditis. Clinical and immunological features (author's transl)] Bertrand A, et al. **Sem Hop Paris** 1982 Feb 4;58(5):275–9 (Eng. Abstr.) **(Fre)**
[Corynebacterium endocarditis. Diagnostic difficulties (author's transl)] Brion M, et al. **Sem Hop Paris** 1982 Feb 4;58(5):307–9 (Eng. Abstr.) **(Fre)**
[Infectious endocarditis: clinical findings, therapy and course in 103 patients] Lode H, et al. **Dtsch Med Wochenschr** 1982 Jun 25;107(25):967–74 (Eng. Abstr.) **(Ger)**
[Value and limitations of cross sectional echocardiography in the diagnosis of infective endocarditis (author's transl)] Kronik G, et al. **Klin Wochenschr** 1982 Feb 15;60(4):171–9 (36 ref.) (Eng. Abstr.) **(Ger)**
[Echocardiographic observations in infectious endocarditis] Pierli C, et al. **Boll Soc Ital Cardiol** 1981;26(3):263–7 (Eng. Abstr.) **(Ita)**
[Diagnostic and therapeutic problems in a case of infectious endocarditis] Veglia L, et al. **Boll Soc Ital Cardiol** 1981; 26(4):387–91 **(Ita)**
[Echocardiographic diagnosis of pulmonary valve bacterial endocarditis (author's transl)] De Luca I, et al. **G Ital Cardiol** 1981;11(8):1116–27 **(Ita)**
[Prosthetic valve endocarditis (author's transl)] Egoh Y, et al. **Kyobu Geka** 1982;35(3):171–8 (Eng. Abstr.) **(Jpn)**
[Echocardiography in infectious endocarditis] Kasatova TB, et al. **Klin Med (Mosk)** 1981 Feb;59(2):81–5 (Eng. Abstr.) **(Rus)**
[Infectious endocarditis: diagnosis, clinical aspects and treatment] Anokhin VN, et al. **Ter Arkh** 1981;53(7):53–8 (Eng. Abstr.) **(Rus)**
[Characteristics of the clinical course of infectious endocarditis in middle-aged and aged patients] Popov VG, et al. **Ter Arkh** 1981;53(5):81–4 (Eng. Abstr.) **(Rus)**
[2-stage echocardiography in the diagnosis of infectious endocarditis] Storozhakov GI, et al. **Ter Arkh** 1981; 53(5):84–7 (Eng. Abstr.) **(Rus)**
[Bacteriological study of the arterial blood in diagnosing bacterial endocarditis] Shevchenko IuL. **Voen Med Zh** 1981 Oct;(10):28–31 **(Rus)**
[Contribution of echocardiography to the surgical indications in infectious endocarditis] Torino A, et al. **Medicina (B Aires)** 1981;41(2):125–31 (Eng. Abstr.) **(Spa)**
[Infectious tricuspid endocarditis. Clinical and echocardiographic study] Torino AF, et al. **Medicina (B Aires)** 1981;41(5):535–42 (Eng. Abstr.) **(Spa)**
[Role of M-mode echocardiography in the diagnosis of infectious endocarditis] De Artaza M, et al. **Rev Esp Cardiol** 1981;34(5):381–7 (Eng. Abstr.) **(Spa)**

DRUG THERAPY

Experimental endocarditis in rabbits. 6. Results of long-term combined therapy of Streptococcus faecalis endocarditis with penicillin and streptomycin. Gutschik E. **Acta Pathol Microbiol Immunol Scand [B]** 1982 Feb; 90(1):37–47
Experimental endocarditis in rabbits. 5. Results of long-term penicillin or streptomycin treatment of streptococcus faecalis endocarditis and the effect of long-term exposure of healthy rabbits to the same drugs. Gutschik E, et al. **Acta Pathol Microbiol Immunol Scand [B]** 1982 Feb; 90(1):25–35
Clindamycin therapy of experimental Staphylococcus aureus endocarditis. Scheld WM, et al. **Antimicrob Agents Chemother** 1982 Apr;21(4):646–9
Cefoperazone treatment of experimental endocarditis. Snepar RA, et al. **Antimicrob Agents Chemother** 1981 May; 19(5):773–6
Experimental endocarditis caused by Streptococcus sanguis: single and combined antibiotic therapy. Vicente MV, et al. **Antimicrob Agents Chemother** 1981 Jul;20(1):10–4
Infective endocarditis in a community hospital. Venezio FR, et al. **Arch Intern Med** 1982 Apr;142(4):789–92
Infective endocarditis [letter] Duxbury AJ, et al. **Br Dent J** 1982 Mar;152(5):150–1
Penicillin-sensitive Moraxella prosthetic endocarditis. Near disaster caused by failure to treat with penicillin. Chen W, et al. **Br Heart J** 1982 Jan;47(1):101–2
Failure of rifampicin and co-trimoxazole in Q fever endocarditis. Subramanya NI, et al. **Br Med J [Clin Res]** 1982 Jul 31;285(6338):343–4
Therapy of experimental infective endocarditis due to antibiotic-tolerant Lactobacillus plantarum-bactericidal synergy of penicillin plus gentamicin. Correlation of in vitro susceptibility studies with in vivo efficacy. Bayer AS, et al. **Chemotherapy** 1981;27(6):444–51
Bacterial endocarditis with a tolerant staphylococcal organism. McMillan JA, et al. **Clin Pediatr (Phila)** 1982 Apr;21(4):252–4
Trimethoprim-sulfamethoxazole treatment of multiantibiotic-resistant staphylococcal endocarditis and meningitis. Tamer MA, et al. **Clin Pediatr (Phila)** 1982 Feb; 21(2):125–6
Cefazolin versus cephalothin in beta-lactamase-producing Staphylococcus aureus endocarditis in a rabbit experimental model. Carrizosa J, et al. **J Antimicrob Chemother** 1982 May;9(5):387–93
Short-course treatment of streptococcal endocarditis. Shanson DC. **J Antimicrob Chemother** 1981 Dec;8(6):427–8
Efficacy of ampicillin plus a beta-lactamase inhibitor (CP-45,899) in experimental endocarditis due to Staphylococcus aureus. Washburn RG, et al. **J Infect Dis** 1981 Sep;144(3):237–43
Pediatric endocarditis. Johnson CM, et al. **Mayo Clin Proc** 1982 Feb;57(2):86–94
Staphylococcal infective endocarditis. Thompson RL. **Mayo Clin Proc** 1982 Feb;57(2):106–14 (66 ref.)
Enterococcal endocarditis. Wilkowske CJ. **Mayo Clin Proc** 1982 Feb;57(2):101–5
Treatment of penicillin-sensitive streptococcal infective endocarditis. Wilson WR, et al. **Mayo Clin Proc** 1982 Feb; 57(2):95–100
Vancomycin therapy for infective endocarditis. Geraci JE, et al. **Rev Infect Dis** 1981 Nov-Dec;3 suppl:S250–8
Evaluation of antimicrobial agents in the rabbit model of endocarditis. Sande MA. **Rev Infect Dis** 1981 Nov-Dec;3 suppl:S240–9
Trimethoprim-sulfamethoxazole therapy for infective endocarditis. Noble RC, et al. **South Med J** 1981 Nov; 74(11):1299–303
[Endocarditis caused by group D streptococci. Comparison of the antibiotic sensitivity of S. bovis and enterococci] Bastin R, et al. **Rev Med Interne** 1981 Oct;2(3):257–62 (Eng. Abstr.) **(Fre)**
[Current aspects of bacterial endocarditis. Considerations of 101 cases with uncertain etiology] Peruzzi G, et al. **Boll Soc Ital Cardiol** 1980;25(8):973–94 (75 ref.) **(Ita)**
[Bacterial endocarditis in childhood] Bassetti D, et al. **Minerva Pediatr** 1982 Jan 31;34(1-2):1–16 (Eng. Abstr.) **(Ita)**
[Endocarditis caused by Serratia marcescens sterilized by cefotaxime and trimethoprim-sulfamethoxazole] Sieres M, et al. **Rev Esp Cardiol** 1982;35(1):79–81 (Eng. Abstr.) **(Spa)**

ETIOLOGY

Septicaemia and endocarditis due to streptococci of Lancefield group B. Mascart G, et al. **Acta Clin Belg** 1981; 36(4):209–12
Four-valve polymicrobial endocarditis caused by Pseudomonas aeruginosa and Serratia marcescens. Hobbs RD, et al. **Am J Med** 1982 Jan;72(1):164–8
Endocarditis due to group A streptococcus. Savage D, et al. **Am J Med Sci** 1981 Nov-Dec;282(3):98–103
Endocarditis: increasingly a surgical disease. Powell DC, et al. **Am Surg** 1982 Jan;48(1):5–10
Staphylococcal bacteremia and endocarditis: state of the art. Bayer AS. **Arch Intern Med** 1982 Jun;142(6):1169–77
Prosthetic valve endocarditis caused by Histoplasma capsulatum. Gaynes RP, et al. **Arch Intern Med** 1981 Oct; 141(11):1533–7
Endocarditis associated with Chlamydia trachomatis infection. Brearley BF, et al. **Br Heart J** 1981 Aug; 46(2):220–1
Prosthetic valve infections. Grignon A, et al. **Can J Surg** 1981 Nov;24(6):615–8
Endocarditis due to Streptococcus zooepidemicus [letter] Martinez-Luengas F, et al. **Can Med Assoc J** 1982 Jul 1; 127(1):13
Infections caused by group F streptococci. Righter J, et al. **Can Med Assoc J** 1981 Nov 1;125(9):1008–10
Infectious endocarditis in idiopathic hypertrophic subaortic stenosis: report of three cases and review of the literature. Chagnac A, et al. **Chest** 1982 Mar;81(3):346–9
Massive hemoptysis and recurrent tricuspid infective endocarditis in a heroin addict. Successful treatment by bronchial artery embolization and valvulectomy. Silverman NA, et al. **Chest** 1982 Aug;82(2):195–6
Increasing incidence of Pseudomonas endocarditis among parenteral drug abusers. Rajashekaraiah KR, et al. **Drug Alcohol Depend** 1980 Oct;6(4):227–30
Echocardiographic findings in discrete subaortic stenosis associated with infective endocarditis of the aortic valve. Garcia-del-Castillo H, et al. **Eur Heart J** 1981 Dec; 2(6):525–30
Gallium 67 scintigraphy in fibrinous pericarditis associated with bacterial endocarditis. Martin P, et al. **Eur J Nucl Med** 1982;7(4):192–3
Right-sided endocarditis complicating prolonged central venous catheterisation. Dawes PT, et al. **Intensive Care Med** 1981;7(5):245–6
Endocarditis and brain abscess due to Bacteroides oralis. Fredericka DN. **J Infect Dis** 1982 Jun;145(6):918
Efficacy of ampicillin plus a beta-lactamase inhibitor (CP-45,899) in experimental endocarditis due to Staphylococcus aureus. Washburn RG, et al. **J Infect Dis** 1981 Sep;144(3):237–43
Infective endocarditis: an enigma of diagnosis and treatment. Sharma S, et al. **J Postgrad Med** 1981 Jul;27(3):167–172a
Nafcillin-tolerant Staphylococcus epidermidis endocarditis. Arthur JD, et al. **JAMA** 1982 Jan 22-29;247(4):487–8
Penicillin-sensitive streptococcal endocarditis [editorial] **Lancet** 1982 Sep 18;2(8299):637–8
Symposium on infective endocarditis. III. Endocarditis due to gram-negative bacteria. Report of 56 cases. Geraci JE, et al. **Mayo Clin Proc** 1982 Mar;57(3):145–8
Prosthetic valve endocarditis. Wilson WR, et al. **Mayo Clin Proc** 1982 Mar;57(3):155–61
Experimental animal endocarditis. Wright AJ, et al. **Mayo Clin Proc** 1982 Jan;57(1):10–4
Polymicrobial endocarditis in a drug addict; therapeutic and epidemiologic implications. Gombert ME, et al. **NY State J Med** 1982 May;82(6):937–9
Bacterial endocarditis. A retrospective study of cases admitted to the University of Alabama Hospitals from 1969 to 1979. Thornton JB, et al. **Oral Surg** 1981 Oct; 52(4):379–83
Factors influencing the pathogenesis and prevention of infective endocarditis. Sande MA, et al. **Scand J Infect Dis [Suppl]** 1982;31:48–54
Septicaemia and endocarditis--uncommon but serious complications in connection with permanent cardiac pacing. Bluhm G, et al. **Scand J Thorac Cardiovasc Surg** 1982;16(1):65–70
Endocarditis caused by Actinobacillus actinomycetemcomitans. Blair TP, et al. **South Med J** 1982 May;75(5):559–61
Erysipelothrix rhusiopathiae endocarditis. Kramer MR, et al. **South Med J** 1982 Jul;75(7):892
[Bacterial endocarditis on mitral prolapse revealed by cutaneous and neurological disorders. Usefulness of immunological investigations (author's transl)] Barrère M, et al. **Nouv Presse Med** 1981 Oct 3;10(35):2889–91 (Eng. Abstr.) **(Fre)**
[Bacterial endocarditis in drug addicts. 20 cases (author's transl)] Friedlander G, et al. **Nouv Presse Med** 1981 Oct 17;10(37):3045–8 (Eng. Abstr.) **(Fre)**
[Bacterial endocarditis in chronic alcoholism and toxic alcohol damage of the liver: a contribution to the pathology of alcohol (author's transl)] Martini GA, et al. **Dtsch Med Wochenschr** 1981 Sep 11;106(37):1173–6 (Eng. Abstr.) **(Ger)**
[Isolated endocarditis of the tricuspid valve. Unusual etiological mechanism caused by complications of heart pacemakers] Schlepper M, et al. **Med Welt** 1982 May 21; 33(20):727–31 **(Ger)**
[Neurologic complication of Staphylococcus aureus septicemia in childhood] Shahar E, et al. **Harefuah** 1981 Jun 15;100(12):568–70 (Eng. Abstr.) **(Heb)**
[Acute endocarditis caused by Staphylococcus aureus in a drug addict] Schivazappa L, et al. **Minerva Cardioangiol** 1982 Mar;30(3):129–31 (Eng. Abstr.) **(Ita)**
[Current aspects of bacterial endocarditis] Raganati M. **Pediatria (Napoli)** 1981;89(2):281–5 (25 ref.) **(Ita)**
[Acute infectious endocarditis due to Enterobacter sp. related to the presence of a central venous catheter as a complication of diabetic ketoacidosis. Report of a case] Mansur AJ, et al. **Arq Bras Cardiol** 1981 Apr;36(4):277–80 (Eng. Abstr.) **(Por)**
[Congenital mitral valve prolapse complicated by bacterial endocarditis] Pugach AD. **Sov Med** 1981;(9):113–5 **(Rus)**
[Current problems of infectious endocarditis (a review of the literature and the authors' own data)] Butkevich OM, et al. **Ter Arkh** 1982;54(6):147–51 (85 ref.) **(Rus)**
[Bacterial endocarditis. Relations between the clinical manifestations and the etiological agent] Gogin EE, et al. **Ter Arkh** 1982;54(5):97–101 (Eng. Abstr.) **(Rus)**

[Infectious endocarditis in valvular prostheses] Zghaib Abad A, et al. **Arch Inst Cardiol Mex** 1981 May-Jun;51(3):249-58 (Eng. Abstr.) **(Spa)**

[Endocarditis caused by Pseudomonas (clinical conference)] Alcalá H. **Bol Med Hosp Infant Mex** 1982 Feb;39(2):135-46 **(Spa)**

[Mitral valve prolapse and infectious endocarditis] Casabe JH, et al. **Medicina (B Aires)** 1981;41(2):201-8 (Eng. Abstr.) **(Spa)**

[Staphylococcal tricuspid endocarditis in a heroin addict] Gutiérrez-Palau L, et al. **Rev Esp Cardiol** 1981;34(1):81-4 (Eng. Abstr.) **(Spa)**

[Endocarditis caused by group B streptococcus (S. agalactiae). Report of a case] Salata Schusterman HH, et al. **Rev Esp Cardiol** 1981;34(5):417-21 (Eng. Abstr.) **(Spa)**

HISTORY

Wifliam Osler and his Gulstonian Lectures on malignant endocarditis. Pruitt RD. **Mayo Clin Proc** 1982 Jan;57(1):4-9

[Gustav Mahler's heart disease] Alonso HO. **Medicina (B Aires)** 1981;41(3):373-7 **(Spa)**

IMMUNOLOGY

Effect of immunization on the genesis of pneumococcal endocarditis in rabbits. Adler SW 2d, et al. **Infect Immun** 1981 Oct;34(1):55-61

Effect of nitrogen mustard on natural history of right-sided streptococcal endocarditis in rabbits: role for cellular host defenses. Yersin BR, et al. **Infect Immun** 1982 Jan; 35(1):320-5

Antibody levels to bacterial peptidoglycan in human sera during the time course of endocarditis and bacteremic infections caused by Staphylococcus aureus. Zeiger AR, et al. **Infect Immun** 1981 Sep;33(3):795-800

Identification of bacterial antigens in circulating immune complexes of infective endocarditis. Inman RD, et al. **J Clin Invest** 1982 Aug;70(2):271-80

Staphylococcus aureus antibodies in patients with staphylococcal septicemia. Comparisons between solid-phase radioimmunoassay and crossed immunoelectrophoresis. Christensson B, et al. **Scand J Infect Dis** 1982;14(2):155-6

[Bacterial endocarditis : lack of diagnostic value of immunological investigations (author's transl)] Kernbaum S, et al. **Ann Med Interne (Paris)** 1982;133(2):97-102 (Eng. Abstr.) **(Fre)**

METABOLISM

Rate of methicillin penetration into normal heart valve and experimental endocarditis lesions. Gengo FM, et al. **Antimicrob Agents Chemother** 1982 Mar;21(3):456-9

MICROBIOLOGY

Penicillin-resistant Streptococcus constellatus as a cause of endocarditis. Levin RM, et al. **Am J Dis Child** 1982 Jan; 136(1):42-5

Minimal concentrations of aminoglycoside that can synergize with penicillin in enterococcal endocarditis. Carrizosa J, et al. **Antimicrob Agents Chemother** 1981 Sep;20(3):405-9

Blood culture positivity: suppression by outpatient antibiotic therapy in patients with bacterial endocarditis. Pazin GJ, et al. **Arch Intern Med** 1982 Feb;142(2):263-8

Isolated right-sided endocarditis in non-addicts: a review of 10 cases seen between 1967-79. Kohli RS, et al. **Indian Heart J** 1982 Jan-Feb;34(1):17-20

Plasmid pattern analysis of Staphylococcal epidermidis isolates from patients with prosthetic valve endocarditis. Archer GL, et al. **Infect Immun** 1982 Feb;35(2):627-32

Natural history of aortic valve endocarditis in rats. Héraïef E, et al. **Infect Immun** 1982 Jul;37(1):127-31

The role of bacterial adherence in the pathogenesis of infective endocarditis. Thompson J, et al. **Infection** 1982; 10(3):196-8

Bacterial adhesion in the pathogenesis of infective endocarditis. Effect of subinhibitory antibiotic concentrations on streptococcal adhesion in vitro and the development of endocarditis in rabbits. Scheld WM, et al. **J Clin Invest** 1981 Nov;68(5):1381-4

Recovery of Pseudomonas aeruginosa from syringes of drug addicts with endocarditis. Rajashekaraiah KR, et al. **J Infect Dis** 1981 Nov;144(5):482

Bacillus cereus endocarditis involving a prosthetic valve. Oster HA, et al. **South Med J** 1982 Apr;75(4):508-9

[Endocarditis caused by capnocytophaga ochracea (letter)] Coignard S, et al. **Nouv Presse Med** 1982 Apr 10; 11(17):1338 **(Fre)**

[Endocarditis due to commensal Neisseria (author's transl)] Bricaire F, et al. **Sem Hop Paris** 1982 Feb 4;58(5):263-7 (Eng. Abstr.) **(Fre)**

[Endocarditis caused by coagulase negative staphylococci] Weintraub M, et al. **Harefuah** 1981 Apr 15;100(8):375-6 (Eng. Abstr.) **(Heb)**

[Enterococcus: the causative agent of infectious endocarditis] Sedov VI. **Kardiologiia** 1982 Apr;22(4):119-24 (77 ref.) **(Rus)**

[Endocarditis caused by Campylobacter fetus. Description of a new case] Dorronsoro I, et al. **Rev Clin Esp** 1981 Oct 15;163(1):69-70 **(Spa)**

MORTALITY

Infective endocarditis: a lethal disease. Ormiston JA, et al. **Aust NZ J Med** 1981 Dec;11(6):620-9

[Infectious endocarditis of the heart valves and valvular prostheses. report of 21 cases] Díaz-Devis C, et al. **Arch Inst Cardiol Mex** 1982 Mar-Apr;52(2):169-74 (Eng. Abstr.) **(Spa)**

OCCURRENCE

Q fever endocarditis. Tobin MJ, et al. **Am J Med** 1982 Mar; 72(3):396-400

Pseudoepidemic of endocarditis in patients undergoing open heart surgery. Aber RC, et al. **Infect Control** 1980 Mar-Apr;1(2):97-9

A controlled evaluation of the risk of bacterial endocarditis in persons with mitral-valve prolapse. Clemens JD, et al. **N Engl J Med** 1982 Sep 23;307(13):776-81

PATHOLOGY

Effect of altitude exposure on induction of streptococcal endocarditis in young and middle-aged rats. Altland PD. **Aviat Space Environ Med** 1982 Jan;53(1):44-8

Pulmonary valve vegetations and flail leaflet detected by cross-sectional echocardiography in infective endocarditis. A case report. Anderson V, et al. **Eur Heart J** 1981 Dec; 2(6):519-23

Experimental streptococcal endocarditis in the pig: the development of lesions 3 to 14 days after inoculation. Jones JE. **J Comp Pathol** 1981 Jan;91(1):51-62

Experimental streptococcal endocarditis in the pig: the development of lesions 18 to 48 hours after inoculation. Jones JE. **J Comp Pathol** 1982 Apr;92(2):301-8

Infective endocarditis at autopsy in northern India. A study of 120 cases. Datta BN, et al. **Jpn Heart J** 1982 May; 23(3):329-37

Case records of the Massachusetts General Hospital. Weekly clinicopathological exercises. Case 34-1982. Fever, heart murmur, and artrial fibrillation in a 72-year-old woman. **N Engl J Med** 1982 Aug 26;307(9):543-9

[Tricuspid participation in infectious endocarditis. Current aspects apropos 13 cases] Ninet J, et al. **Rev Med Interne** 1981;2(4):383-92 (Eng. Abstr.) **(Fre)**

[Bacterial endocarditis] Demoulin JC. **Rev Med Liege** 1981 Nov 15;36(22):809-18 **(Fre)**

[Infectious endocarditis today] Prati PL, et al. **G Ital Cardiol** 1981;11(9):1305-18 (58 ref.) **(Ita)**

[Clinico-morphologic analysis of septic (infectious) endocarditis] Serov VV, et al. **Arkh Patol** 1982;44(3):27-33 (Eng. Abstr.) **(Rus)**

[Infectious endocarditis in hypertrophic (muscular) subaortic stenosis] Moiseev VS, et al. **Klin Med (Mosk)** 1982 May; 60(5):88-91 **(Rus)**

PHYSIOPATHOLOGY

[Advances in nephrology. The kidneys in bacterial endocarditis] Siciński A. **Pol Arch Med Wewn** 1981 Jan; 65(1):73-81 **(Pol)**

PREVENTION & CONTROL

Infective endocarditis as a complication of dental treatment. Cawson RA. **Br Dent J** 1981 Dec 15;151(12):409-14 (52 ref.)

Paediatric use of amoxil [letter] Pielou WD. **Br Dent J** 1982 Apr 6;152(7):222

Prevention of infective endocarditis [letter] Fleming HA, et al. **Br Heart J** 1981 Dec;46(6):691-2

Dental health in patients susceptible to infective endocarditis [letter] Fleming HA, et al. **Br Med J [Clin Res]** 1981 Dec 5;283(6305):1546

Dental health in patients susceptible to infective endocarditis [letter] Shaw TR, et al. **Br Med J [Clin Res]** 1982 Jan 30; 284(6312):347-8

Chemoprophylaxis of experimental endocarditis caused by Staphylococcus aureus. Dhawan VK, et al. **J Antimicrob Chemother** 1982 Apr;9(4):319-24

Vancomycin prophylaxis of experimental Streptococcus sanguis. Inhibition of bacterial adherence rather than bacterial killing. Bernard JP, et al. **J Clin Invest** 1981 Oct; 68(4):1113-6

Prevention of bacterial endocarditis. **Med Lett Drugs Ther** 1981 Oct 16;23(21):91-2

High dose phenoxymethylpenicillin for preventing endocarditis. Josefsson K, et al. **Scand J Infect Dis** 1982; 14(2):131-3

RADIONUCLIDE IMAGING

Imaging endocarditis with Tc-99m-labeled antibody--an experimental study: concise communication. Wong DW, et al. **J Nucl Med** 1982 Mar;23(3):229-34

SURGERY

Surgical progress: surgical management of infective endocarditis. Mills SA. **Ann Surg** 1982 Apr;195(4):367-83

Immediate and long-term outlook for valve replacement in acute bacterial endocarditis. Symbas PN, et al. **Ann Surg** 1982 Jun;195(6):721-5

Operative techniques in infective endocarditis. Lau JM, et al. **Ann Thorac Surg** 1981 Oct;32(4):351-6

Early operative intervention in aortic bacterial endocarditis. Prager RL, et al. **Ann Thorac Surg** 1981 Oct;32(4):347-50

Early operative intervention in aortic bacterial endocarditis. Scott SM. **Ann Thorac Surg** 1981 Oct;32(4):327-8

Infective endocarditis: surgical treatment of 41 patients. Haraphongse M, et al. **Can J Surg** 1982 Mar;25(2):138-40

Role of surgery in infective endocarditis. Karp RB. **Cardiovasc Clin** 1981;12(3):157-75 (38 ref.)

Acute endocarditis in drug addicts: surgical treatment for gram-negative sepsis. Levitsky S, et al. **Circulation** 1982 Aug;66(2 pt 2):I135-8

Bilateral infective endocarditis. Koshal A, et al. **Clin Cardiol** 1981 Sep-Oct;4(5):243-6

Tricuspid valvulectomy without prosthetic replacement. Ten years of clinical experience. Arbulu A, et al. **J Thorac Cardiovasc Surg** 1981 Nov;82(5):684-91

Acute endocarditis: surgical treatment of aortic regurgitation and aortico--left ventricular discontinuity. Symbas PN, et al. **J Thorac Cardiovasc Surg** 1982 Aug;84(2):291-6

Acute bacterial endocarditis with postpartum aortic valve replacement. Cavalieri RL, et al. **Obstet Gynecol** 1982 Jan; 59(1):124-5

Valve replacement for bacterial endocarditis. Mattila S, et al. **Scand J Thorac Cardiovasc Surg** 1982;16(1):23-7

Aortic valve replacement in active infective endocarditis. Bortolotti U, et al. **Thorac Cardiovasc Surg** 1981 Oct; 29(5):303-5

[Surgical indications in infectious endocarditis. Apropos of 320 patients with 114 undergoing surgery] Witchitz S, et al. **Arch Mal Coeur** 1981 Jun;74(6):735-45 (Eng. Abstr.) **(Fre)**

[Surgical treatment of infectious endocarditis in the active phase. Experience in 40 cases] Scalia D, et al. **G Ital Cardiol** 1981;11(5):643-9 (Eng. Abstr.) **(Ita)**

[Surgical management for infective endocarditis --a new operative technique for aortic root abscess (author's transl)] Okubo T, et al. **Kyobu Geka** 1981;34(8):588-92 (Eng. Abstr.) **(Jpn)**

[Paravalvular leakage associated with mycotic ascending aneurysm and occlusion of right coronary ostium due to bacterial endocarditis eleven years after aortic valve replacement--report of a case successfully treated by Bentall's operation (author's transl)] Terashima M, et al. **Kyobu Geka** 1981 May;34(5):355-60 (Eng. Abstr.) **(Jpn)**

[Treatment of bacterial endocarditis by prosthetic valve replacement (author's transl)] Takagi I, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1981 Nov;29(11):1801-4 (Eng. Abstr.) **(Jpn)**

[Surgical treatment of bacterial endocarditis] Lytkin MI, et al. **Vestn Khir** 1982 Apr;128(4):3-9 **(Rus)**

[Possibilities of surgical treatment of bacterial endocarditis in active phase] Tsukerman GI, et al. **Vopr Revm** 1981 Jul-Sep;(3):42-5 (Eng. Abstr.) **(Rus)**

[Bacterial endocarditis on the natural valve. Surgical treatment in the active phase] Morillo Pereña F, et al. **Rev Esp Cardiol** 1981;34(2):155-8 (Eng. Abstr.) **(Spa)**

THERAPY

Brucella mellitensis endocarditis on a porcine heterograft bioprosthesis. Iglesias A, et al. **Chest** 1981 Dec;80(6):747-9

Infective endocarditis: current concepts in treatment. Lang SD. **Drugs** 1982 Mar;23(3):227-34

General considerations in the diagnosis and treatment of infective endocarditis. Wilson WR, et al. **Mayo Clin Proc** 1982 Feb;57(2):81-5

Diagnosis, management, and prevention of infective endocarditis. Watanakunakorn C. **Primary Care** 1981 Dec; 8(4):733-51

TRANSMISSION

Community-acquired methicillin-resistant Staphylococcus aureus endocarditis in the Detroit Medical Center. Levine DP, et al. **Ann Intern Med** 1982 Sep;97(3):330-8

VETERINARY

Valvular bacterial endocarditis in the dog. Calvert CA. **J Am Vet Med Assoc** 1982 May 1;180(9):1080-4

ENDOCARDITIS LENTA see **ENDOCARDITIS, SUBACUTE BACTERIAL**

ENDOCARDITIS, SUBACUTE BACTERIAL

[Bacterial endocarditis (author's transl)] Schtickzelle JC, et al. **Rev Med Brux** 1981 Oct;2(8):669-82 (23 ref.) (Eng. Abstr.) **(Fre)**

COMPLICATIONS

Bacterial endocarditis in mitral leaflet prolapse syndrome. Rajan RK, et al. **Postgrad Med** 1982 Apr;71(4):203-5

[Experience with Lillehei-Kaster prosthetic valve replacement for subacute bacterial endocarditis (author's transl)] Takimoto M, et al. **Kyobu Geka** 1982;35(2):132-5 (Eng. Abstr.) **(Jpn)**

DIAGNOSIS

Echographic features of posterior left ventricular wall pseudoaneurysm due to Escherichia coli endocarditis. Kessler KM, et al. **Am Heart J** 1982 Jan;103(1):139-42

The clinical manifestations of infective endocarditis. Hermans

PE. **Mayo Clin Proc** 1982 Jan;57(1):15–21

The role of the microbiology laboratory in the diagnosis and antimicrobial treatment of infective endocarditis. Washington JA 2d. **Mayo Clin Proc** 1982 Jan;57(1):22–32 (58 ref.)

[Diagnostic value of echocardiography in infectious endocarditis] Lengyel M, et al. **Orv Hetil** 1982 Feb 21; 123(8):463–7 **(Hun)**

[A case of subacute bacterial endocarditis: clinical findings and instrumental study] Abbate GF, et al. **Boll Soc Ital Cardiol** 1980;25(6):637–46 (Eng. Abstr.) **(Ita)**

[Difficulties in the differential diagnosis of brucellosis and subacute septic endocarditis] Perekopskaia TI, et al. **Klin Med (Mosk)** 1982 Mar;60(3):44–8 **(Rus)**

ETIOLOGY

Endocarditis caused by Neisseria mucosa in a patient with a prosthetic heart valve. Hennessey R, et al. **Am J Med Technol** 1981 Nov;47(11):909–11

Subacute chlamydial endocarditis. Jones RB, et al. **JAMA** 1982 Feb 5;247(5):655–8

[Epidemiologic, serologic, clinical and therapeutic aspects of Q fever endocarditis: report of two cases (author's transl)] Villalta J, et al. **Med Clin (Barc)** 1981 Oct 25; 77(7):294–7 (Eng. Abstr.) **(Spa)**

IMMUNOLOGY

[Background of immunologic diseases] Fujimoto T. **Nippon Rinsho** 1981 Jan;39(1):184–9 **(Jpn)**

ENDOCARDIUM

ABNORMALITIES

[Partial endocardial cushion defect associated with left superior vena cava drainage into left atrium (author's transl)] Fang LD. **Chung Hua Hsin Hsueh Kuan Ping Tsa Chih** 1980 Dec; 8(4):289–91 **(Chi)**

CYTOLOGY

Migratory behavior of cardiac cushion tissue cells in a collagen-lattice culture system. Bernanke DH, et al. **Dev Biol** 1982 Jun;91(2):235–45

DRUG EFFECTS

Effect of nitroglycerin and nifedipine on subendocardial perfusion in the presence of a flow-limiting coronary stenosis in the awake dog. Bache RJ, et al. **Circ Res** 1982 May;50(5):678–87

Junctional complexes in regenerating endocardium. Turcotte H, et al. **J Ultrastruct Res** 1982 May;79(2):133–41

EMBRYOLOGY

Endocardial cell polarity during the looping of the heart in the chick embryo. Icardo JM, et al. **Dev Biol** 1982 Mar; 90(1):203–9

Origin and migration of cushion tissue in the developing heart. Fitzharris TP. **Scan Electron Microsc** 1981;(Pt 2):255–60, 254

Endocardial cushion tissue development: structural analyses on the attachment of extracellular matrix to migrating mesenchymal cell surfaces. Markwald RR, et al. **Scan Electron Microsc** 1981;(Pt 2):261–74 (49 ref.)

Prenatal development of the endocardium: a review. Pexieder T. **Scan Electron Microsc** 1981;(Pt 2):223–53 (132 ref.)

IMMUNOLOGY

Experimental production of EVI antibodies. Lenzi HL, et al. **Am J Trop Med Hyg** 1982 Jan;31(1):48–52

METABOLISM

[Permeability characteristics of the endocardium and the myocardial capillaries to horseradish peroxidase in fetal and postnatal rats] Welt K, et al. **Gegenbaurs Morphol Jahrb** 1981;127(5):629–35 (Eng. Abstr.) **(Ger)**

PATHOLOGY

Differential subendocardial perfusion and injury during the course of gram-negative endotoxemia. Kleinman WM, et al. **Adv Shock Res** 1980;4:139–52

Indwelling cardiac catheters. An autopsy study of associated endocardial lesions. Ford SE, et al. **Arch Pathol Lab Med** 1982 Jul;106(7):314–7

The use of endomyocardial biopsy in a serious cardiac abnormality associated with polymyositis: a case report. Weiss J, et al. **J Rheumatol** 1982 Mar-Apr;9(2):299–302

The surface morphology of the infundibular muscle in patients with tetralogy of fallot. Lee YS, et al. **Jpn Heart J** 1981 Sep;22(5):779–87

Diagnosis of active lymphocytic myocarditis by endomyocardial biopsy: quantitative criteria for light microscopy. Edwards WD, et al. **Mayo Clin Proc** 1982 Jul;57(7):419–25

Myocardial biopsy [editorial] Fowles RE, et al. **Mayo Clin Proc** 1982 Jul;57(7):459–61

Right Ventricular endomyocardial biopsy: clinicopathologic correlates in 100 consecutive patients. Nippoldt TB, et al. **Mayo Clin Proc** 1982 Jul;57(7):407–18

[Endocardial and subendocardial changes in sudden infant death syndrome] Sótonyi G. **Morphol Igazsagugyi Orv Sz** 1982 Jan;22(1):15–9 (Eng. Abstr.) **(Hun)**

[Endomyocardial biopsy of the right and left ventricle – description of our method] Ruzyllo W, et al. **Kardiol Pol** 1981;24(1):87–99 (Eng. Abstr.) **(Pol)**

[Relation between the incidence of subendocardial necrosis and distribution of extravascular resistance] Sędek G. **Pol Tyg Lek** 1981 Jun 22;36(25):935–7 **(Pol)**

[Endomyocardial biopsy] Mady C, et al. **Arq Bras Cardiol** 1981 Feb;36(2):83–4 **(Por)**

PHYSIOPATHOLOGY

Self-anchoring endocardial pacemaker leads: current spectrum of types, advances in design, and clinical results. Robicsek F, et al. **Am Heart J** 1981 Oct;102(4):775–82

Relation of the endocardial and epicardial ventricular fibrillation thresholds of the right and left ventricle. Horowitz LN, et al. **Am J Cardiol** 1981 Oct;48(4):698–701

Effect of acute regional ischemia on pressure in the subepicardium and subendocardium. Sabbah HN, et al. **Am J Physiol** 1982 Feb;242(2):H240–4

Arrival of excitation at the left ventricular apical endocardium in Wolff–Parkinson–White syndrome type B. Garcia OL, et al. **J Electrocardiol** 1982 Apr;15(2):165–72

The effect of subendocardial systolic pressure on the ascending aortic blood flow and the left coronary blood flow during an overdose of isoproterenol in anesthetized dogs. Okazaki K, et al. **Tokushima J Exp Med** 1981 Dec; 28(3–4):41–9

[Acute myocardial ischemia--endocardium and epicardium (author's transl)] Yamazaki H. **Kokyu To Junkan** 1981 Jun; 29(6):595–603 **(Jpn)**

[Apex cardiography in evaluating the subendocardiac blood flow and coronary reserve in a comparison with coronary radiography and bicycle ergometry data in ischemic heart disease] Furkalo NK, et al. **Kardiologiia** 1982 Jan;22(1):57–9 (Eng. Abstr.) **(Rus)**

SURGERY

Long-term results of endocardial resection for sustained ventricular tachycardia in coronary disease patients. Josephson ME, et al. **Am Heart J** 1982 Jul;104(1):51–7

Aneurysmectomy and endocardial resection for ventricular tachycardia: favorable hemodynamic and antiarrhythmic results in patients with global left ventricular dysfunction. Martin JL, et al. **Am Heart J** 1982 Jun;103(6):960–5

A new self-anchoring endocardial electrode. Robicsek F, et al. **Coll Works Cardiopulm Dis** 1982 May;23:77–82

Surgical treatment of constrictive fibrous endocarditis. Dubost C, et al. **J Thorac Cardiovasc Surg** 1981 Oct; 82(4):585–91

Endomyocardial resection for recurrent ventricular tachycardia. Report of a case. Furuse A, et al. **Jpn Heart J** 1982 Mar;23(2):245–51

ULTRASTRUCTURE

Study of endocardic surface of right atrium of mouse by means of scanning electron microscopy. Salazar-Rubio M, et al. **Arch Invest Med (Mex)** 1982;13(2):79–84 passim **(Eng, Spa)**

Ultrahistochemical studies on the moderately electron dense bodies in teleostean endocardial cells. Leknes IL. **Histochemistry** 1981;72(2):211–4

Ultrastructure of atrial and ventricular endocardium and cardiac capillary endothelium of the pike. Midttun B. **Tissue Cell** 1981;13(4):747–56

[Endocardial changes in the carcinoid syndrome. Light and electron microscopic study] Bugge M. **Ugeskr Laeger** 1982 Apr 5;144(14):1027–8 (Eng. Abstr.) **(Dan)**

[Ultrastructure of endocardial lesions in the carcinoid syndrome (author's transl)] Müller HG, et al. **Virchows Arch [Pathol Anat]** 1981;391(1):33–44 (Eng. Abstr.) **(Ger)**

[Ultrastructure of the subendocardiac cardiomyocytes of the dog heart in acute experimental myocardial infarct] Sharov VG, et al. **Arkh Patol** 1981;43(8):53–61 (Eng. Abstr.) **(Rus)**

ENDOCRINE DISEASES

POEMS syndrome: studies in a patient with an IgG-kappa M protein but no polyneuropathy. Morrow JS, et al. **Arch Intern Med** 1982 Jun;142(6):1231–4

Paediatric endocrinology. **Clin Endocrinol Metab** 1982 Mar; 11(1):1–275

VIIIth Dutch-British Endocrine Meeting. 25th to 27th August 1982. Noordwijkerhout, The Netherlands. Abstracts of papers. **J Endocrinol** 1982 Aug;94 Suppl:1P–65P

[School physical education classes for children with endocrine diseases] Kopecký A. **Cesk Pediatr** 1981 Dec; 36(12):725–6 (Eng. Abstr.) **(Cze)**

[2d French Congress of Endocrinology. Abstracts of presentations. Paris, 24, 25, 26 September 1981] **Ann Endocrinol (Paris)** 1981 Dec;42(6):1C–84C **(Fre)**

[Endocrine function: interesting cases (author's transl)] **Horumon To Rinsho** 1981 Suppl:;1–365 **(Jpn)**

[Review on internal medicine, 1980—endocrine metabolic diseases (author's transl)] **Nippon Naika Gakkai Zasshi** 1981 May 10;70(5):647–705 **(Jpn)**

BLOOD

Plasma androgens and growth or puberty disorders. Ilondo MM, et al. **Ann Endocrinol (Paris)** 1981 Jul-Sep;42(3):277–9

Why are there discrepancies between clinical symptoms and the hormone level in blood? Simionescu L. **Endocrinologie** 1981 Oct-Dec;19(4):265–8

Hyperprolactinemia in chronic renal failure. Lim VS, et al. **Int J Artif Organs** 1981 Jul;4(4):152–3

[Age dependent changes in the serum melatonin concentrations in healthy human subjects and in patients with endocrine and hepatic disorders and renal failure (author's transl)] Iguchi H. **Fukuoka Igaku Zasshi** 1981 Jul; 72(7):423–30 (Eng. Abstr.) **(Jpn)**

CHEMICALLY INDUCED

[Precocious pseudopuberty in a female infant under 2 years of age] Trifan N, et al. **Rev Med Chir Soc Med Nat Iasi** 1981 Apr-Jun;85(2):383–4 **(Rum)**

COMPLICATIONS

Endocrine hypertension. **Clin Endocrinol Metab** 1981 Nov; 10(3):397–656

Endocrine hypertension. Biglieri EG, et al. **Clin Endocrinol Metab** 1981 Nov;10(3):ix–xi

Chronic mucocutaneous Candidiasis–endocrinopathies. Dolen J, et al. **Cutis** 1981 Dec;28(6):592, 594, 605

Short stature–endocrine basis, evaluation and treatment. Kumar V. **Indian Pediatr** 1981 Dec;18(12):863–9

Medical management of sensorineural hearing loss. Part I: late syphilis; cardiovascular system; endocrine system; renal system. Booth JB. **J Laryngol Otol** 1982 Aug;96(8):673–84

Plasma cell dyscrasia with polyneuropathy, organomegaly, endocrinopathy, monoclonal gammopathy and skin changes: the POEMS syndrome. Solomons RE, et al. **J R Soc Med** 1982 Jul;75(7):553–5

Endocrine mechanisms in the pathogenesis of essential hypertension. V. Special reference to the involvements of the renal and cerebral renin–angiotensin systems. Păuşescu E. **Physiologie** 1982 Apr-Jun;19(2):91–105 (182 ref.)

Autoimmune endocrinopathy associated with diabetes insipidus. Bhan GL, et al. **Postgrad Med J** 1982 Mar; 58(677):165–6

Endocrinology of menstrual disorders. Jacobs HS. **Practitioner** 1982 Feb;226(1364):213–9

Endocrine myopathies. Ramsay I. **Practitioner** 1982 Jun; 226(1368):1075–80

Sella turcica erosion and transient hypogonadism in the multiple endocrine deficiency syndrome. Gardner DF, et al. **South Med J** 1981 Nov;74(11):1415–7

[Risk factors in breast cancer] Scolozzi R, et al. **Recenti Prog Med** 1981 May;70(5):463–86 (134 ref.) (Eng. Abstr.) **(Ita)**

[Endocrinopathy associated with pineal tumors (2)] Mori K. **Neurol Med Chir (Tokyo)** 1981 May;21(5):447–55 **(Jpn)**

[Plasma cell dyscrasia with polyneuropathy and endocrine disorder (author's transl)] Shindo Y, et al. **Nippon Hifuka Gakkai Zasshi** 1981 Feb;91(2):107–18 **(Jpn)**

[Polyglandular failure. Patient case material] Aanderud S, et al. **Tidsskr Nor Laegeforen** 1981 Aug 30;101(24):1328–31 (Eng. Abstr.) **(Nor)**

[Diagnostic efficacy of x-ray examination in gynecological patients with internal cranial hyperostosis] Krymskaia ML, et al. **Akush Ginekol (Mosk)** 1982 Feb;(2):32–4 (Eng. Abstr.) **(Rus)**

[Variants of clinical manifestations and course of autonomic-dyshormonal myocardial dystrophy] Popov VG, et al. **Ter Arkh** 1982;54(3):9–14 (Eng. Abstr.) **(Rus)**

[Relation between mental and endocrine disorders: psychoneuroendocrinology of affective disorders] Gamaleia NB. **Zh Nevropatol Psikhiatr** 1982;82(2):278–87 (91 ref.) **(Rus)**

CONGENITAL

Disorders of the endocrine system. Howanitz JH, et al. **Clin Lab Med** 1981 Jun;1(2):399–418 (63 ref.)

DIAGNOSIS

Depression and abnormal endocrinologic tests [letter] Steinberg JS. **JAMA** 1981 Nov 6;246(18):2032–3

Endocrinologic problems in the aged. Orlander P, et al. **Otolaryngol Clin North Am** 1982 May;15(2):439–49

[Diagnosis of diarrhea in endocrine diseases] Scheuer A, et al. **Med Welt** 1981 Jun 19;32(25):993–7 **(Ger)**

[Thyroid other endocrine and disorders in a general internal medicine group practice] Ruefli P, et al. **Schweiz Med Wochenschr** 1982 Apr 24;112(17):594–9 (Eng. Abstr.) **(Ger)**

[Fever in endocrine] Geisthövel W. **ZFA (Stuttgart)** 1981 Oct 31;57(30):2053–8 **(Ger)**

[Fever in endocrinological disorders] Ben-Haim S, et al. **Harefuah** 1982 Feb 1;102(3):120–3 (65 ref.) **(Heb)**

[Use of the gonadotropin releasing hormone (Gn-RH) test in the diagnosis of puberal disorders in children] De Sanctis V, et al. **Pediatria (Napoli)** 1981 Dec 31;89(4):851–60 **(Ita)**

DRUG THERAPY

Pharmacist involvement in an endocrinology clinic. Miller KO. **Am J Hosp Pharm** 1981 Nov;38(11):1720–1

Hypothalamic–pituitary–adrenocortical function during long-term low-dose dexamethasone therapy in hyperandrogenized women. Boyers SP, et al. **Am J Obstet Gynecol** 1982 Feb 1;142(3):330–9

Dopamine-mimetic and antagonist drugs: diagnostic and therapeutic applications in endocrine disorders. Müller EE, et al. **Life Sci** 1981 Aug 31;29(9):867–83 (68 ref.)

ETIOLOGY

Summary of workshop on present knowledge of late effects of treatment on endocrine function. Sklar C, et al. **Cancer Clin Trials** 1981;4 Suppl:21–3

Endocrine manifestations of cancer and its treatment. Shalet SM. **Practitioner** 1981 Jun;225(1356):829–36

[Endocrine complications of radiotherapy in children] Lucas C, et al. **Pediatrie** 1982 Mar;37(2):157–60 **(Fre)**

[Endocrine aspects of hepatic cirrhosis; clinical and therapeutic review] De Martiis M, et al. **Clin Ter** 1982 Mar 31;100(6):643–51 (39 ref.) **(Ita)**

FAMILIAL & GENETIC

Primary hyperparathyroidism and multiple endocrine neoplasia (MEN). Ziegler R, et al. **Endocrinologie** 1982 Jan–Mar;20(1):49–55

Exclusion of linkage between the loci for multiple endocrine neoplasia type-2 (MEN-2) and HLA. Simpson NE, et al. **Hum Genet** 1982;60(2):157

Basal and postatropine serum pancreatic polypeptide concentrations in familial multiple endocrine neoplasia type I. Lamers CB, et al. **J Clin Endocrinol Metab** 1982 Oct; 55(4):774–8

Granular-cell pituicytoma associated with multiple endocrine neoplasia type. Cusick JF, et al. **J Neurosurg** 1982 Apr; 56(4):594–6

An X-linked syndrome of diarrhea, polyendocrinopathy, and fatal infection in infancy. Powell BR, et al. **J Pediatr** 1982 May;100(5):731–7

IMMUNOLOGY

The human major histocompatibility complex and endocrine disease. Farid NR, et al. **Endocr Rev** 1981 Winter;2(1):50–86 (348 ref.)

Lymphocyte suppressor activity in patients with polyglandular failure. Verghese MW, et al. **Hum Immunol** 1981 Oct;3(2):173–9

Pancreatic endocrine tumors. Heitz PU, et al. **Hum Pathol** 1982 Mar;13(3):263–71

Organ-specific autoantibodies in children with common endocrine diseases. Bright GM, et al. **J Pediatr** 1982 Jan; 100(1):8–14

Diabetes mellitus, endocrine autoantibodies, and prenatal rubella infection [letter] Schopfer K, et al. **Lancet** 1982 Jul 17;2(8290):159

Auto-immunity in the endocrine system. Volpé R. **Monogr Endocrinol** 1981;20:1–187

Autoimmune endocrine diseases and the pediatrician. Maclaren NK, et al. **Pediatr Ann** 1982 Mar;11(3):333–46

[Autoimmunity and polyendocrinopathic syndromes] Bottazzo GF, et al. **Minerva Med** 1981 Sep 29; 72(37):2511–32 (113 ref.) **(Ita)**

METABOLISM

The vitamin D endocrine system. Bikle DD. **Adv Intern Med** 1982;27:45–71 (98 ref.)

The endocrine basis of disease. National Academy of Clinical Biochemistry 5th annual meeting. Kansas City, Missouri, 18–19 July 1981. **Clin Biochem** 1981 Oct;14(5):207–93

Receptor dysfunctions in human disease. Block LH, et al. **Klin Wochenschr** 1981 Apr 15;59(8):355–63

Neuroendocrine disorders and psychopathology. Haskett RF, et al. **Psychiatr Clin North Am** 1981 Aug;4(2):239–52 (73 ref.)

[Biogenic amines and endocrine diseases (author's transl)] Imura H, et al. **Tanpakushitsu Kakusan Koso** 1981 Aug; 26(11):1824–33 (41 ref.) **(Jpn)**

PATHOLOGY

Multiple endocrine neoplasia type 2b in twins. Galera H, et al. **Histopathology** 1982 Jan;6(1):111–9

[Tumoral pathology of the diffuse endocrine system of the gastrointestinal tract (author's transl)] Wallon J, et al. **Acta Gastroenterol Belg** 1981 Mar–Apr;44(3–4):103–11 (Eng. Abstr.) **(Fre)**

[Undifferentiated small cell carcinoma and diffuse endocrine system (author's transl)] Pagès A, et al. **Bull Cancer (Paris)** 1982;69(1):69–75 (79 ref.) (Eng. Abstr.) **(Fre)**

PHYSIOPATHOLOGY

Abstracts of papers: 7th annual meeting of the Hellenic Endocrine Society, Thessaloniki December 8–9, 1979. **Acta Endocrinol [Suppl] (Copenh)** 1981;244:1–61

Carnitine and the endocrine disorders. Bartoc R. **Endocrinologie** 1981 Oct–Dec;19(4):269–70

Differential effects of endocrine dysfunction on the axial and the appendicular skeleton. Seeman E, et al. **J Clin Invest** 1982 Jun;69(6):1302–9

Physiopathology of endocrine diseases and mechanisms of hormone action. Proceedings of the 1980 Argentine Endocrine Foundation Meetings. Buenos Aires, Argentina. **Prog Clin Biol Res** 1981;74:1–501

RADIOTHERAPY

Alpha particles versus conventional radiotherapy to the pituitary region: a comparison of risk–benefit. Linfoot JA. **Clin Neurosurg** 1980;27:83–98 (37 ref.)

REHABILITATION

[Work capacity of patients with endocrine diseases according to the Leningrad Industrial Medical Expert Commission] Mitropol'skiĭ AN, et al. **Ter Arkh** 1981;53(5):129–33 (Eng. Abstr.) **(Rus)**

THERAPY

Hyperfunctional pituitary tumors: pre- and postoperative management considerations. Tindall GT, et al. **Clin Neurosurg** 1980;27:48–82 (50 ref.)

Endocrine and metabolic disorders. Hadden DR. **Clin Obstet Gynaecol** 1982 Apr;9(1):29–57 (96 ref.)

Office gynecologic endocrinology: common complaints, rational management. Chihal HJ. **Postgrad Med** 1982 Apr; 71(4):73–7, 80–3

Endocrinological emergencies. Cockram CS, et al. **Practitioner** 1981 Aug;225(1358):1157–63

[Typical risks and avoidable errors in therapy: endocrinology and metabolism] Scriba PC. **Internist (Berlin)** 1982 Mar; 23(3):155–62 (51 ref.) **(Ger)**

VETERINARY

Endocrine disorders in dogs. **Mod Vet Pract** 1981 Nov; 62(11):891–2

ENDOCRINE GLANDS

Mammary gland as an endocrine organ: implications for mastectomy [news] Diamond JM. **Nature** 1982 Jan 21; 295(5846):191–2

[2d French Congress of Endocrinology. Paris, 24–26 September 1981] **Ann Endocrinol (Paris)** 1981 Oct–Nov; 42(4–5):303–496 **(Fre)**

ANALYSIS

Immunoreactive neuropeptide systems in avian embryos (domestic mallard, domestic fowl, Japanese quail). Bläsher S, et al. **Cell Tissue Res** 1982;223(2):287–303

ANATOMY & HISTOLOGY

Environment influence on development, behavior, and endocrine morphology of gerbils. Clark MM, et al. **Physiol Behav** 1981 Nov;27(5):761–5

CYTOLOGY

An immunocytochemical survey of endocrine cells in the gastrointestinal tract of chicks at hatching. Rawdon BB, et al. **Cell Tissue Res** 1981;220(2):279–92

Practical applications of immunocytochemistry to the pharmacology and toxicology of the endocrine system. El Etreby MF. **Histochem J** 1981 Sep;13(5):821–37

Dye-marked paraventricular neuroendocrine cells in vivo in cat hypothalamus. Reaves TA Jr, et al. **Neurosci Lett** 1981 Sep 25;25(3):263–7

Light and electron microscopic studies on the endocrine cells in the duck proventriculus. Okamoto T, et al. **Nippon Juigaku Zasshi** 1981 Dec;43(6):863–70

[Immunocytochemical detection in Stannius corpuscles of the eel (Anguilla anguilla L.) of a hormone similar to the mammalian parathyroid hormone] Lopez E, et al. **C R Seances Acad Sci [III]** 1981 Dec 7;293(13):707–12 (Eng. Abstr.) **(Fre)**

[Endocrine cells in the human large intestine] German SV. **Klin Med (Mosk)** 1980 Jul;58(7):25–7 **(Rus)**

DRUG EFFECTS

Respiratory, analgesic and endocrine responses to an enkephalin analogue in normal man. Lindeburg T, et al. **Acta Anaesthesiol Scand** 1981 Jun;25(3):254–7

Alcohol and endocrine systems interaction--Part I. **Alcoholism (NY)** 1982 Spring;6(2):178–279

Effect of cimetidine o endocrine functions--prolactin. Hayakawa A, et al. **Gastroenterol Jpn** 1982 Apr;17(2):102–8

Effects of ronnel on growth, endocrine function and blood measurements in steers and rats. Rumsey TS, et al. **J Anim Sci** 1981 Jul;53(1):217–25

Endocrine and metabolic effects of labetalol in man. Barbieri C, et al. **J Cardiovasc Pharmacol** 1981 Sep–Oct;3(5):986–91

Effects of chronic perphenazine treatment on growth and endocrine function in developing rats. Greeley GH Jr, et al. **J Pharmacol Exp Ther** 1982 Jan;220(1):133–8

Endocrinologic studies in men exposed occupationally to carbon disulfide. Wägar G, et al. **J Toxicol Environ Health** 1981 Mar–Apr;7(3–4):363–71

Effects of narcotics on perinatal endocrine function. Glass L. **Semin Perinatol** 1982 Apr;6(2):190–4

Neuroendocrine effects of acute nickel chloride administration in rats. Clemons GK, et al. **Toxicol Appl Pharmacol** 1981 Dec;61(3):343–8

[Lithium and its effects on the endocrine system (author's transl)] Höschl C. **Cas Lek Cesk** 1982 Apr 9;121(14):417–20 (Eng. Abstr.) **(Cze)**

[Smoke and the endocrine system] Faglia G, et al. **Minerva Med** 1982 Sep 22;73(36):2337–44 **(Ita)**

ENZYMOLOGY

Hypocalcemic effect of homologous angiotensin-like substances produced by the renin-like enzyme in the corpuscles of Stannius in the Japanese eel Anguilla japonica. Ogawa M, et al. **Gen Comp Endocrinol** 1982 May; 47(1):36–41

INNERVATION

The neurosecretory cells and retrocerebral endocrine glands of Amsacta collaris Hampson (Lepidoptera: Arctiidae) during post-embryonic development. Singh UV, et al. **J Hirnforsch** 1981;22(3):265–78

Postsynaptic inhibitory effects of Met- and Leu-enkephalin on endocrine and adjacent neurones in the preoptic-septal region of the guinea pig. Carette B, et al. **Regul Pept** 1982 Feb;3(2):125–33

METABOLISM

Accumulation of polychlorinated biphenyls in steroidgenic tissue of gonads and adrenals in Japanese quail. Biessmann A. **Arch Environ Contam Toxicol** 1981 Nov;10(6):653–62

Alcohol and the endocrine system. Morgan MY. **Br Med Bull** 1982 Jan;38(1):35–42

Behavioral, ovarian and endocrine relationships in the pubertal bitch. Wildt DE, et al. **J Anim Sci** 1981 Jul; 53(1):182–91

VIP immunoreactivity in enteric nerves and endocrine cells of the vertebrate gut. Reinecke M, et al. **Peptides (Fayetteville)** 1981;2 Suppl 2:149–56

Demonstration of carboxyl-terminal PP-like peptides in endocrine cells and nerves. Vaillant C, et al. **Peptides (Fayetteville)** 1981;2 Suppl 2:31–5

PATHOLOGY

Distribution and development of peptidergic nerves and gut endocrine cells in mice with congenital aganglionic colon, and their normal littermates. Vaillant C, et al. **Gastroenterology** 1982 Feb;82(2):291–300

Neuron specific enolase (NSE) immunostaining detection of endocrine cell hyperplasia in adult rats exposed to asbestos. Sheppard MN, et al. **Histochemistry** 1982;74(4):505–13

[Endocrine gland morphology in infants with sepsis] Stepanov SA, et al. **Arkh Patol** 1982;44(3):79–82 (Eng. Abstr.) **(Rus)**

[State of the duodenal and jejunal endocrine system in chronic duodenitis and enteritis in childhood] Paĭkov VL, et al. **Pediatriia** 1981 Dec;(12):18–21 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

Advance abstracts of short papers: 26. Symposium Deutsche Gesellschaft für Endokrinologie Salzburg, February 24–27, 1982. **Acta Endocrinol [Suppl] (Copenh)** 1982;246:1–168

Sensory control of the hypothalamus and the neuroendocrine system. Brooks CM, et al. **Acta Physiol Lat Am** 1980; 30(3):159–70

Neuroendocrine control of Na+ balance in the fiddler crab Uca pugilator. Davis CW, et al. **Am J Physiol** 1982 May; 242(5):R505–13

Calmodulin in endocrine cells. Means AR, et al. **Annu Rev Physiol** 1982;44:667–82 (104 ref.)

Neuroendocrine aspects of the olfactory function. Balboni GC, et al. **Arch Ital Anat Embriol** 1981;86(1–2):1–17 (83 ref.)

Metabolic and endocrine changes in spinal cord injury: I. The nervous system before and after transection of the spinal cord. Claus-Walker J, et al. **Arch Phys Med Rehabil** 1981 Dec;62(12):595–601

Pituitary and ovarian function in postpartum beef cows. II. Endocrine changes prior to ovulation in suckled and nonsuckled postpartum cows compared to cycling cows. Walters DL, et al. **Biol Reprod** 1982 May;26(4):647–54

The endocrine basis of disease. National Academy of Clinical Biochemistry 5th annual meeting. Kansas City, Missouri, 18–19 July 1981. **Clin Biochem** 1981 Oct;14(5):207–93

Endocrinology of salt gland function. Harvey S, et al. **Comp Biochem Physiol [A]** 1982;71(4):537–46 (73 ref.)

Calcemic responses of Stannius corpuscle extract in parrots Psittacula psittacula. Srivastav AK, et al. **Experientia** 1982 Jul 15;38(7):869–70

Neuroendocrine involvement in regulation of isocitrate & glucose-6-phosphate dehydrogenase activities in the fresh water field crab Oziotelphusa senex senex. Purushotham KR, et al. **Indian J Exp Biol** 1981 Apr;19(4):399–400

The menopause and climacteric: endocrinologic basis and associated symptomatology. Soules MR, et al. **J Am Geriatr Soc** 1982 Sep;30(9):547–61 (69 ref.)

The dopamine system challenge in affective disorders: a review of behavioral and neuroendocrine responses. Insel TR, et al. **J Clin Psychopharmacol** 1981 Jul;1(4):207–13 (79 ref.)

Neurochemical mechanisms in the affective disorders and neuroendocrine correlates. Risch SC, et al. **J Clin Psychopharmacol** 1981 Jul;1(4):180–5 (51 ref.)

VIIIth Dutch-British Endocrine Meeting. 25th to 27th August 1982. Noordwijkerhout, The Netherlands. Abstracts of papers. **J Endocrinol** 1982 Aug;94 Suppl:1P-65P

Function and regulation of calmodulin in endocrine cells. Means AR, et al. **J Steroid Biochem** 1981 Dec;15:163-9 (48 ref.)

Flow cytometric analysis of the response of the R3327-G rat prostatic adenocarcinoma to endocrine manipulation. Pollack A, et al. **J Surg Oncol** 1981;18(4):389-98

Endocrine function and histology of the canine pancreas after exocrine ablation by ductal injection of silicone rubber adhesive. White DC, et al. **J Surg Res** 1981 Nov;31(5):371-4

The effect of prolonged ethanol feeding on exocrine-endocrine pancreatic function. Imamura K, et al. **Mt Sinai J Med (NY)** 1982 Jan-Feb;49(1):41-5

Endocrine function in the Klüver-Bucy syndrome: studies in adult female rhesus monkeys. Louis KM, et al. **Neurosurgery** 1981 Sep;9(3):287-91

Physiology of the endocrine system. Marieb NJ. **Otolaryngol Clin North Am** 1981 May;14(2):265-84 (43 ref.)

[Bioelectric activities of endocrine gland cells (author's transl)] Chen LS, et al. **Sheng Li Ko Hsueh Chin Chan** 1981 Oct 25;12(4):289-94 **(Chi)**

[Clinical psychoneuroendocrinology: a reality (author's transl)] Legros JJ. **Acta Psychiatr Belg** 1980 Jul-Aug; 80(4):356-63 **(Fre)**

[Hormone changes during the sirocco] Li Vecchi M, et al. **Arch Sci Med (Torino)** 1981 Jul-Sep;138(3):269-71 (Eng. Abstr.) **(Ita)**

[Hormonal changes after the menopause] Tolino A, et al. **Minerva Ginecol** 1981 Sep;33(9):747-56 (Eng. Abstr.) **(Ita)**

[The fall session of the 54th Congress of the Japan Endocrine Society. Abstracts] **Nippon Naibunpi Gakkai Zasshi** 1981 Sep;57 Suppl:1263-471 **(Jpn)**

[Symposia of the Japan Endocrine Society. Abstract] **Nippon Naibunpi Gakkai Zasshi** 1981 Feb 20;57(2):99-231 **(Jpn)**

[Effect of a permanent magnetic field on the endocrine system] Zagorskaia EA. **Kosm Biol Aviakosm Med** 1981 Sep-Oct;15(5):14-7 (73 ref.) (Eng. Abstr.) **(Rus)**

[Study of endocrinological function in the population of the high and low regions of Crna Gora] Božović B, et al. **Glas Srp Akad Nauka [Med]** 1980;315(32):165-70 (Eng. Abstr.) **(Scc)**

[Endocrine physiology of the infant] Chavarría Bonequi C, et al. **Bol Med Hosp Infant Mex** 1982 Mar;39(3):159-68 (Eng. Abstr.) **(Spa)**

PHYSIOPATHOLOGY

The endocrine-metabolic response to postoperative pain. Kehlet H. **Acta Anaesthesiol Scand [Suppl]** 1982;74:173-5

Orthostatic fluid-electrolyte and endocrine responses in fainters and nonfainters. Shvartz E, et al. **J Appl Physiol** 1981 Dec;51(6):1404-10

Relevance of neuroendocrine strategies for electroconvulsive therapy research. Haskett RF, et al. **Psychopharmacol Bull** 1982 Apr;18(2):57-62

[Lectures: the interaction between endocrinology and internal medicine (author's transl)] Kuang AK. **Chung Hua Nei Ko Tsa Chih** 1981 Apr;20(4):236-46 **(Chi)**

[Lecture: the interrelation between endocrinology and clinical internal medicine (author's transl)] Kuang AK. **Chung Hua Nei Ko Tsa Chih** 1981 May;20(5):303-5 **(Chi)**

[The endocrine status of Cooley's disease] De Luca F, et al. **Minerva Pediatr** 1981 Dec;33(24):1163-74 (56 ref.) (Eng. Abstr.) **(Ita)**

[The Cockayne syndrome. Endocrinological study apropos of a case] Ivaldi M, et al. **Minerva Pediatr** 1982 Feb 15; 34(3):107-16 (Eng. Abstr.) **(Ita)**

[Endocrine changes in hepatic cirrhosis] Greco AV, et al. **Recenti Prog Med** 1981 Sep;71(3):235-53 (133 ref.) (Eng. Abstr.) **(Ita)**

[Effect of reflexotherapy on normalizing autonomic endocrine regulation in threatened abortion] Zharkin AF, et al. **Akush Ginekol (Mosk)** 1981 May;(5):21-3 (Eng. Abstr.) **(Rus)**

[Effect of reflexotherapy on the restoration of autonomic endocrine function in menstrual cycle disorders] Zharkin AF, et al. **Akush Ginekol (Mosk)** 1981 Jul;(7):33-5 **(Rus)**

[Morphofunctional changes in the hamster endocrine system in experimental cutaneous leishmaniasis] Kharitonova AM, et al. **Parazitologiia** 1982 Mar-Apr;16(2):136-43 (Eng. Abstr.) **(Rus)**

[Endocrine regulation of the metabolic processes in traumatic shock] Nikolaev VE, et al. **Patol Fiziol Eksp Ter** 1981; (6):36-9 (Eng. Abstr.) **(Rus)**

RADIATION EFFECTS

Tolerance of the central nervous system to photon irradiation: endocrine complications. Wigg DR, et al. **Acta Radiol [Oncol]** 1982;21(1):49-60

Remote consequences of the action of ionizing radiation on the endocrine system in female rats. Dedov VI, et al. **Biol Bull Acad Sci USSR** 1980 Sep-Oct;7(5):428-31

[The effect of internal irradiation on the endocrine system and the significance of its functional state for the development of late consequences] Dedov VI, et al. **Radiobiol Radiother (Berl)** 1981;22(5):624-30 (Eng. Abstr.) **(Ger)**

[Late sequelae of the internal irradiation of the endocrine system of female rats] Dedov VI. **Izv Akad Nauk SSSR [Biol]** 1982 May-Jun;(3):454-8 (Eng. Abstr.) **(Rus)**

[Endocrine system reaction of female rats of varying ages to 75Se-selenomethionine administration] Dedov VI, et al. **Med Radiol (Mosk)** 1981 Nov;26(11):48-52 (Eng. Abstr.) **(Rus)**

[Endocrine system reaction of male rats to 75Se-sodium selenite administration] Dedov VI, et al. **Radiobiologiia** 1981;21(4):553-7 **(Rus)**

RADIONUCLIDE IMAGING

[Registration of in vitro radionuclide studies of the endocrine system reaction to venipuncture] Koroliuk IP, et al. **Med Radiol (Mosk)** 1981 Aug;26(8):42-6 (Eng. Abstr.) **(Rus)**

SECRETION

Nervous controlling and feedback circuits influencing the activity of smooth muscles, secretion of glands and tissue metabolism. Hrbek J. **Acta Univ Palacki Olomuc Fac Med** 1981;100:1-636 (539 ref.)

A superfusion method for the study of secretion activity of isolated cerebral and endocrine tissues. Braga PC, et al. **J Pharmacol Methods** 1981 Jun;5(4):287-92

The link between secretion and mitosis in the endocrine glands. Pawlikowski M. **Life Sci** 1982 Jan 25;30(4):315-20 (56 ref.)

Plasma free MHPG and neuroendocrine responses to challenge doses of clonidine in Tourette's syndrome: preliminary report. Young JG, et al. **Life Sci** 1981 Oct 5; 29(14):1467-75

[Undifferentiated small cell carcinoma and diffuse endocrine system (author's transl)] Pagès A, et al. **Bull Cancer (Paris)** 1982;69(1):69-75 (79 ref.) (Eng. Abstr.) **(Fre)**

[Stress and the endocrine system] Kniażewski B, et al. **Pol Tyg Lek** 1982 Apr 5;37(4-5):139-42 (36 ref.) **(Pol)**

ULTRASTRUCTURE

Ultrastructure of endocrine cells in the stomach of two teleost fish, Perca fluviatilis L. and Ameiurus nebulosus L. Noaillac-Depeyre J, et al. **Cell Tissue Res** 1982; 221(3):657-78 (61 ref.)

Ultrastructure of the corpuscles of Stannius in the garpike (Lepisosteus platyrhynchus). Bhattacharyya TK, et al. **Gen Comp Endocrinol** 1982 Jan;46(1):29-41

ENDOCRINOLOGY

see related

ENDOCRINE DISEASES

Advance abstracts of papers. XIIIth Acta Endocrinologica Congress, Cambridge August 24--28, 1981. **Acta Endocrinol [Suppl] (Copenh)** 1981;243:172 pp

A computer-based laboratory record system in an endocrinology laboratory. Mosley J. **Ann Clin Biochem** 1981 May;18(Pt 3):169-76

Endocrinology and metabolism: an annotated bibliography of recent literature. References to journal articles and other papers. **Ann Intern Med** 1982 Jul;97(1):151-7

Application of monoclonal antibody techniques to endocrinology. Eisenbarth GS, et al. **Endocr Rev** 1982 Winter;3(1):26-39 (66 ref.)

Presidential address: stranger in a strange land. 63rd annual meeting of The Endocrine Society. Jensen EV. **Endocrinology** 1981 Oct;109(4):1310-3

Nurse specialization in reproductive endocrinology. Urban DJ, et al. **JOGN Nurs** 1982 May-Jun;11(3):167-70

[Where is endocrinology heading? (editorial)] Charvát J. **Vnitr Lek** 1982 Feb;28(2):105-8 **(Cze)**

[Deontological aspects in endocrinology] Soltakhanov RM. **Probl Endokrinol (Mosk)** 1982 Mar-Apr;28(2):42-4 **(Rus)**

[Experience in improving specialized endocrinological care] Mikhailov IuM. **Sov Zdravookhr** 1982;(1):12-6 (Eng. Abstr.) **(Rus)**

EDUCATION

[Organization of independent work by students in the study of endocrinology] Bodnar PN, et al. **Probl Endokrinol (Mosk)** 1982 Mar-Apr;28(2):79-80 (7 ref.) **(Rus)**

HISTORY

Relaxin--a perspective, or personal anecdotal recollections. Kroc RL. **Ann NY Acad Sci** 1982;380:1-5

Functional pituitary tumors. The neurosurgeon and neuroendocrinology. Laws ER Jr. **Clin Neurosurg** 1980; 27:3-18

Historical origins of modern research on hormones and behavior. Beach FA. **Horm Behav** 1981 Dec;15(4):325-76

The ceremony of conferment of the doctor honoris causa degree at the Nicolaus Copernicus Medical Academy in Kraków on Professor Andrew V. Schally. **Mater Med Pol** 1980 Jan-Jun;12(1-2):140-3

The 1977 Nobel Prize in physiology or medicine. Meites J. **Mater Med Pol** 1980 Jan-Jun;12(1-2):144-7

An appreciation of the work of Vittorio Erspamer. Mutt V. **Peptides (Fayetteville)** 1981;2 Suppl 2:3-6

TRENDS

Endocrinology: a three-article symposium. Singh SP. **Postgrad Med** 1982 Mar;71(3):116-7

ENDOCRINOLOGY AND METABOLISM (SPECIALTY) see **ENDOCRINOLOGY**

ENDOCYTOSIS

Endocytosis of simple proteins by rat yolk sacs and by rat peritoneal macrophages incubated in vitro. Kooistra T, et al. **Acta Biol Med Ger** 1981;40(10-11):1637-46

Receptor mediated endocytosis of hemoglobin-haptoglobin, galactosylated serum albumin and polymeric IgA by the liver. Limet JN, et al. **Acta Biol Med Ger** 1982;41(1):113-24

Endocytosis and lysosomal enzyme activities in dystrophic muscle: the effect of denervation. Libelius R, et al. **Acta Physiol Scand** 1981 Oct;113(2):259-61

Restricted mobility and endocytosis of anionic sites on newborn rat jejunal brush border membranes. Jersild RA Jr. **Anat Rec** 1982 Jan;202(1):61-71

Insulin degradation in 3T3-L1 adipocytes: role of the endocytic lysosomal pathway. Bishayee S, et al. **Arch Biochem Biophys** 1982 Mar;214(1):425-30

Evidence that the hepatic asialoglycoprotein receptor is internalized during endocytosis and that receptor recycling can be uncoupled from endocytosis at low temperature. Weigel PH. **Biochem Biophys Res Commun** 1981 Aug 31; 101(4):1419-25

Plasma clearance and endocytosis of mitochondrial malate dehydrogenase in the rat. Bijsterbosch MK, et al. **Biochem J** 1981 Oct 15;200(1):115-21

Endocytosis of lactate dehydrogenase isoenzyme M4 in rats in vivo. Experiments with enzyme labelled with O-(4-diazo-3,5-di[125I]iodobenzoyl)sucrose. De Jong AS, et al. **Biochem J** 1982 Mar 15;202(3):655-60

Lateral diffusion of epidermal growth factor complexed to its surface receptors does not account for the thermal sensitivity of patch formation and endocytosis. Hillman GM, et al. **Biochemistry** 1982 Mar 30;21(7):1667-72

Altered phospholipid composition affects endocytosis in cultured LM fibroblasts. Schroeder F. **Biochim Biophys Acta** 1981 Dec 7;649(2):162-74

Uptake by rat peritoneal macrophages of 125I-labelled polyvinylpyrrolidone entrapped within liposomes. Pratten MK, et al. **Biosci Rep** 1981 Feb;1(2):125-33

Uptake of free and liposome-entrapped 125I-labelled PVP by rat intestinal sacs in vitro: evidence for endocytosis. Rowland RN, et al. **Biosci Rep** 1981 May;1(5):399-406

Endocytosis of nerve growth factor by PC12 cells studied by quantitative ultrastructural autoradiography. Hogue-Angeletti R, et al. **Brain Res** 1982 Jun 3; 241(1):145-56

Gap junction assembly and endocytosis correlated with patterns of growth in a cultured adrenocortical tumor cell (SW-13). Murray SA, et al. **Cancer Res** 1981 Oct; 41(10):4063-74

Rapid acidification of endocytic vesicles containing alpha 2-macroglobulin. Tycko B, et al. **Cell** 1982 Mar; 28(3):643-51

Microinjection of anticlathrin antibodies into fibroblasts does not interfere with the receptor-mediated endocytosis of alpha2-macroglobulin. Wehland J, et al. **Cell** 1981 Jul; 25(1):105-19

A steady state model for analyzing the cellular binding, internalization and degradation of polypeptide ligands. Wiley HS, et al. **Cell** 1981 Aug;25(2):433-40

Endocytosis in cytotoxic T-lymphocytes. Heiniger HJ, et al. **Cell Immunol** 1981 Apr;59(2):429-34

The role of C3 fragments in endocytosis and extracellular cytotoxic reactions by polymorphonuclear leukocytes. Schreiber RD, et al. **Clin Immunol Immunopathol** 1982 May;23(2):335-57

Surface uptake by fibroblasts and its consequences. Bretscher MS. **Cold Spring Harbor Symp Quant Biol** 1982;46 (Pt 2):707-12

Receptor-mediated endocytosis by clathrin-coated vesicles: evidence for a dynamic pathway. Salisbury JL, et al. **Cold Spring Harbor Symp Quant Biol** 1982;46 (Pt 2):733-41 (30 ref.)

Microinjection of anticlathrin antibodies into cultured fibroblasts: clathrin-coated structures in receptor-mediated endocytosis and in exocytosis. Wehland J, et al. **Cold Spring Harbor Symp Quant Biol** 1982;46 (Pt 2):743-53

Flow cytofluorometric analysis of insulin binding and internalization by Swiss 3T3 cells. Murphy RF, et al. **Cytometry** 1982 May;2(6):402-6

Endocytosis by echinoid phagocytes in vitro. II. Mechanisms of endocytosis. Bertheussen K. **Dev Comp Immunol** 1981 Fall;5(4):557-64

The entry of sporozoites of Theileria parva into bovine lymphocytes in vitro. Electron microscopic observations. Fawcett DW, et al. **Eur J Cell Biol** 1982 Apr;27(1):10-21

Plasma cell endocytosis: is it related to immunoglobulin secretion? Tartakoff A, et al. **Eur J Cell Biol** 1981 Dec; 26(1):188-97

Endocytosis of native and cationized horseradish peroxidase

by cultured mouse peritoneal macrophages. Variations in cell surface binding and intracellular traffic and effects of colchicine. Thyberg J, et al. **Eur J Cell Biol** 1981 Oct; 25(2):308–18

Dynamics of antibody- and lectin-mediated endocytosis of hapten-containing liposomes by murine macrophages. Geiger B, et al. **Eur J Immunol** 1981 Sep;11(9):710–6

Lysosomal fusion in endocytosis and exocytosis. I. Demonstration and characterization of two fusion reactions proceeding simultaneously in non-phagocytosing guinea pig polymorphonuclear leukocytes. Amano F, et al. **Exp Cell Res** 1981 Nov;136(1):15–26

Quantitative determination of in vivo endocytosis by rat liver Kupffer and endothelial cells facilitated by an improved cell isolation method. Praaning-Van Dalen DP, et al. **FEBS Lett** 1982 May 17;141(2):229–32

HLA-and Gm-linked genes affecting the degradation rate of antigens (sheep red blood cells) endocytized by macrophages. Legrand L, et al. **Hum Immunol** 1982 Feb; 4(1):1–13

Rapid endocytosis of soluble immune complexes by Fc receptors of normal human neutrophils. An T. **Immunology** 1982 Mar;45(3):413–22

Monoclonal antibodies to the low density lipoprotein receptor as probes for study of receptor-mediated endocytosis and the genetics of familial hypercholesterolemia. Beisiegel U, et al. **J Biol Chem** 1981 Nov 25;256(22):11923–31

Binding and endocytosis of cluster glycosides by rabbit hepatocytes. Evidence for a short-circuit pathway that does not lead to degradation. Connolly DT, et al. **J Biol Chem** 1982 Jan 25;257(2):939–45

Kinetics of histone endocytosis in Chinese hamster ovary cells. A flow cytofluorometric analysis. Murphy RF, et al. **J Biol Chem** 1982 Feb 25;257(4):1695–701

The endocytotic rate constant. A cellular parameter for quantitating receptor-mediated endocytosis. Wiley HS, et al. **J Biol Chem** 1982 Apr 25;257(8):4222–9

Expression of a mannosyl-fucosyl receptor for endocytosis on cultured primary macrophages and their hybrids. Stahl P, et al. **J Cell Biol** 1982 Apr;93(1):49–56

Mannose-specific endocytosis receptor of alveolar macrophages: demonstration of two functionally distinct intracellular pools of receptor and their roles in receptor recycling. Tietze C, et al. **J Cell Biol** 1982 Feb;92(2):417–24

Endocytosis by human platelets: metabolic and freeze-fracture studies. Zucker-Franklin D. **J Cell Biol** 1981 Dec;91(3 Pt 1):706–15

Influence of molecular charge upon the endocytosis and intracellular fate of peroxidase activity in cultured arterial endothelium. Davies PF, et al. **J Cell Sci** 1981 Jun;49:69–86

Structural heterogeneity of endocytic membranes in macrophages as revealed by the cholesterol probe, filipin. Montesano R, et al. **J Cell Sci** 1981 Oct;51:95–107

Down-regulation of mannosyl receptor-mediated endocytosis and antigen F4/80 in bacillus Calmette-Guérin-activated mouse macrophages. Role of T lymphocytes and lymphokines. Ezekowitz RA, et al. **J Exp Med** 1982 Jun 1;155(6):1623–37

The kinetics and homogeneity of endocytosis of a receptor-bound ligand in a heterogeneous cell population studied by flow cytofluorometry. Metezeau P, et al. **J Histochem Cytochem** 1982 Apr;30(4):359–63

Receptor-mediated endocytosis in cultured fibroblasts: cryptic coated pits and the formation of receptosomes. Willingham MC, et al. **J Histochem Cytochem** 1981 Sep; 29(9):1003–13

A monoclonal antibody to a neo-antigen on alpha 2-macroglobulin complexes inhibits receptor-mediated endocytosis. Marynen P, et al. **J Immunol** 1981 Nov; 127(5):1782–6

Recognition and receptor-mediated endocytosis of the lysosomal acid lipase secreted by cultured human fibroblasts. Sando GN, et al. **J Lipid Res** 1982 Jan; 23(1):114–23

Isolation of Chinese hamster cell mutants defective in the receptor-mediated endocytosis of low density lipoprotein. Krieger M, et al. **J Mol Biol** 1981 Aug 5;150(2):167–84

Presidential address. The role of neuronal golgi apparatus in a centripetal membrane vesicular traffic. Gonatas NK. **J Neuropathol Exp Neurol** 1982 Jan;41(1):6–17

Adhesion and interiorization of Trypanosoma cruzi in mammalian cells. Andrews NW, et al. **J Protozool** 1982 May;29(2):264–9

Endocytosis of latex beads by the exopinacoderm in the fresh water sponge Ephydatia fluviatilis: an in vitro and in situ study in SEM and TEM. Willenz P, et al. **J Ultrastruct Res** 1982 Jun;79(3):294–306

Infectious cell entry mechanism of influenza virus. Yoshimura A, et al. **J Virol** 1982 Jul;43(1):284–93

Receptor mediated endocytosis of polypeptide hormones: mechanism and significance. Gorden P, et al. **Metabolism** 1982 Jul;31(7):664–9 (52 ref.)

Membrane circulation: an overview. Holtzman E. **Methods Cell Biol** 1981;23:379–97 (75 ref.)

Membrane retrieval in exocrine acinar cells. Oliver C, et al. **Methods Cell Biol** 1981;23:429–44

Exocytosis-endocytosis as seen with morphological probes of membrane organization. Orci L, et al. **Methods Cell Biol** 1981;23:283–300 (44 ref.)

Direct visualization of membrane clustering and endocytosis of thyrotropin into cultured thyroid cells. Avivi A, et al. **Mol Cell Endocrinol** 1982 Jan;25(1):55–71

Brain clathrin: ultrastructural and biophysical evidence of reversible assembly. Bloom WS, et al. **Mt Sinai J Med (NY)** 1981 Sep–Oct;48(5):404–11

Receptor-mediated endocytosis: review and overview. Bloom WS, et al. **Mt Sinai J Med (NY)** 1981 Sep–Oct; 48(5):397–403 (58 ref.)

Calmodulin localization during capping and receptor-mediated endocytosis. Salisbury JL, et al. **Nature** 1981 Nov 12;294(5837):163–6

Glomerular epithelial cell endocytosis of immune deposits in the nephrotic rat. An ultrastructural immunoperoxidase study. Rantala I. **Nephron** 1981;29(5–6):239–44

Calcium control of exocytosis and endocytosis in bovine adrenal medullary cells. Baker PF, et al. **Philos Trans R Soc Lond [Biol]** 1981 Dec 18; 296(1080):83–103 (46 ref.)

Endocytosis in secretory cells. Herzog V. **Philos Trans R Soc Lond [Biol]** 1981 Dec 18; 296(1080):67–72

Carbohydrate-specified endocytosis: localization of ligand in the lysosomal compartment. Haimes HB, et al. **Proc Natl Acad Sci USA** 1981 Nov;78(11):6936–9

Receptor-mediated endocytosis of diphtheria toxin by cells in culture. Keen JH, et al. **Proc Natl Acad Sci USA** 1982 May;79(9):2912–6

Synthetic glycopeptide substrates for receptor-mediated endocytosis by macrophages. Robbins JC, et al. **Proc Natl Acad Sci USA** 1981 Dec;78(12):7294–8

Rotational diffusion of epidermal growth factor complexed to cell surface receptors reflects rapid microaggregation and endocytosis of occupied receptors. Zidovetzki R, et al. **Proc Natl Acad Sci USA** 1981 Nov;78(11):6981–5

Transferrin endocytosis in reticulocytes: an electron microscope study using colloidal gold. Light A, et al. **Scand J Haematol** 1982 Mar;28(3):205–14

Endocytosis of agarose in mouse peritoneal macrophages in vitro. Johnson E, et al. **Scand J Immunol** 1982 Feb; 15(2):205–10

Journey to the center of the cell: role of the receptosome. Pastan IH, et al. **Science** 1981 Oct 30;214(4520):504–9

[Adsorptive endocytosis of proteins by eosinophil granulocytes in small intestine mucosa] Heine H, et al. **Naturwissenschaften** 1982 Apr;69(4):185–7 **(Ger)**

[Morphological study of endocytosis in ciliary epithelial cells (author's transl)] Takahashi J. **Nippon Ganka Gakkai Zasshi** 1981 Sep 10;85(9):1330–8 (Eng. Abstr.) **(Jpn)**

DRUG EFFECTS

Testosterone induces a rapid stimulation of endocytosis, amino acid and hexose transport in mouse kidney cortex. Koenig H, et al. **Biochem Biophys Res Commun** 1982 May 31;106(2):346–53

Monensin blocks endocytosis of vesicular stomatitis virus. Schlegel R, et al. **Biochem Biophys Res Commun** 1981 Oct 15;102(3):992–8

Effects of cross-linked dimers of ribonuclease A or of lysozyme on the processing of endocytosed peroxidase by hepatoma cells. Bartholeyns J, et al. **Biochem J** 1982 Feb 15;202(2):543–50

Evidence for the selective inhibition of fusion between endocytic vesicles and lysosomes by benzyl alcohol. Tolleshaug H, et al. **Biochem Pharmacol** 1982 Feb 15; 31(4):593–5

Effects of local anesthetics and related compounds on the endocytosis and catabolism of asialo-glycoproteins in isolated hepatocytes. Tolleshaug H, et al. **Biochim Biophys Acta** 1982 Jan 12;714(1):114–21

High intralysosomal levels of lipoprotein cholesterol influence the endocytic activity and acid hydrolase content of CH-23 fibroblasts. Warhurst G, et al. **Biochim Biophys Acta** 1982 Feb 2;714(2):366–72

Effects of ovarian hormones on endocytosis at the basal membranes of rat uterine epithelial cells. Parr MB. **Biol Reprod** 1982 Jun;26(5):909–13

Endocytosis in absorptive cells of cultured human small-intestinal tissue: effect of cytochalasin B and D. Blok J, et al. **Cell Tissue Res** 1982 Jan;222(1):113–26

Effect of chloroquine and methylamine on endocytosis of fluorescein-labelled controlled IgG and of anti-(plasma membrane) IgG by cultured fibroblasts. Schneider YJ, et al. **Eur J Biochem** 1981 Aug;118(1):33–8

Essential role of calcium in cellular internalization of Pseudomonas toxin. Fitzgerald D, et al. **Infect Immun** 1982 Feb;35(2):715–20

Inhibition by glucocorticoids of endocytosis in a macrophage-like cell line. Miller SC, et al. **J Cell Biochem** 1982;18(4):423–31

Interactions of lectins with CHO cell surface membranes. II. Differential effects of local anesthetics on endocytosis of Con A and WGA binding sites. Schwarz MA, et al. **J Cell Physiol** 1982 Jun;111(3):264–74

Modification of fibroblast surface amines alters receptor-mediated cell spreading on protein-coated substrata but not adsorptive endocytosis. Aplin JD, et al. **J Cell Sci** 1981 Jun;49:283–97

Amantadine and dansylcadaverine inhibit vesicular stomatitis virus uptake and receptor-mediated endocytosis of alpha 2-macroglobulin. Schlegel R, et al. **Proc Natl Acad Sci USA** 1982 Apr;79(7):2291–5

Decreased intestinal calcium absorption in vivo and normal brush border membrane vesicle calcium uptake in cortisol-treated chickens: evidence for dissociation of calcium absorption from brush border vesicle uptake. Shultz TD, et al. **Proc Natl Acad Sci USA** 1982 Jun; 79(11):3542–6

Biochemical studies on the entry of sindbis virus into BHK-21 cells and the effect of NH4Cl. Talbot PJ, et al. **Virology** 1982 Apr 30;118(2):451–5

ENDODERM

The head-process and the formation of the definitive endoderm in the mouse embryo. Poelmann RE. **Anat Embryol (Berl)** 1981;162(1):41–9

CYTOLOGY

An integrated experimental study of endoderm formation in avian embryos. Stern CD, et al. **Anat Embryol (Berl)** 1981; 163(3):245–63

The extraembryonic endodermal differentiation and polyploidization of embryonal carcinoma cells in vitro. Ilgren EB, et al. **Differentiation** 1981;19(2):115–20

Investigation of cell lineage and differentiation in the extraembryonic endoderm of the mouse embryo. Gardner RL. **J Embryol Exp Morphol** 1982 Apr;68:175–98

Cell interactions and endoderm differentiation in cultured mouse embryos. Hogan BL, et al. **J Embryol Exp Morphol** 1981 Apr;62:37?–94

Differentiation of the yolk-sac endoderm under the influence of the digestive-tract mesenchyme. Masui T. **J Embryol Exp Morphol** 1981 Apr;62:277–89

Primary culture of prostatic region entoderm of human fetal sinus urogenitalis: morphological, histochemical, and electrophoretic characteristics. Bozhok YuM, et al. **Prostate** 1982;3(1):1–10

IMMUNOLOGY

A new glycoprotein antigen common to teratocarcinoma, visceral endoderm, and renal tubular brush border. Ozawa M, et al. **Dev Biol** 1982 Jun;91(2):351–9

METABOLISM

Stimulation of retinoic acid of synthesis and turnover of basement membrane in mouse embryonal carcinoma-derived endoderm cells. Salomon DS, et al. **Coll Relat Res** 1982;2(2):93–110

Murine parietal endoderm cells synthesise heparan sulphate and 170K and 145K sulphated glycoproteins as components of Reichert's membrane. Hogan BL, et al. **Dev Biol** 1982 Mar;90(1):210–4

The production of distinct forms of plasminogen activator by mouse embryonic cells. Marotti KR, et al. **Dev Biol** 1982 Mar;90(1):154–9

Studies on the biosynthesis of laminin by murine parietal endoderm cells. Cooper AR, et al. **Eur J Biochem** 1981 Sep;119(1):189–97

PHYSIOLOGY

Endoderm/mesoderm multiplication rates in stage 5–12 chick embryos. Rosenquist GC. **Anat Rec** 1982 Jan;202(1):95–103

Influence of the entoderm on mesodermal expansion in the area vasculosa of the chick. Augustine JM. **J Embryol Exp Morphol** 1981 Oct;65:89–103

An experimental analysis of the role of bottle cells and the deep marginal zone in gastrulation of Xenopus laevis. Keller RE. **J Exp Zool** 1981 Apr;216(1):81–101

Intraendodermal and intramesenteric migration of anuran amphibian germ cells: transmission and scanning electron microscopy. Delbos M, et al. **J Morphol** 1982 Mar; 171(3):355–60

Electrogenic responses induced by neutral amino acids in endoderm cells from Xenopus embryo. Bergman C, et al. **J Physiol (Lond)** 1981 Sep;318:259–78

Coordinate expression of parietal endodermal functions in hybrids of embryonal carcinoma and endodermal cells. Howe WE, et al. **Mol Cell Biol** 1982 Mar;2(3):331–7

[Role of the endoderm in the ventro-lateral mesoderm and primordial germ cells determination in Pleurodeles waltlii (author's transl)] Capuron A, et al. **Arch Anat Microsc Morphol Exp** 1981;70(4):219–26 (Eng. Abstr.) **(Fre)**

ULTRASTRUCTURE

The influence of artificial and 'natural' substrates on the morphology of amphibian embryonic cells. Jumah H, et al. **Acta Embryol Morphol Exp** 1981 Aug;2(1):29–41

Morphometric analysis of the visceral yolk sac endoderm in the rat in vivo and in vitro. Gupta M, et al. **J Reprod Fertil** 1982 May;65(1):239–45

Placental polyploidization: a comparative study in the mouse and the guinea pig. Ilgren EB. **Placenta** 1981 Oct–Dec; 2(4):333–42

ENDODERMAL SINUS TUMOR see **MESONEPHROMA**

ENDODERMOPHYTON see **TRICHOPHYTON**

ENDODONTIC ENDOSSEOUS IMPLANTATION see **DENTAL IMPLANTATION, ENDOSSEOUS, ENDODONTIC**

ENDODONTIC STABILIZATION see **DENTAL IMPLANTATION, ENDOSSEOUS, ENDODONTIC**

ENDODONTICS

see related
DENTAL PULP DISEASES
DENTAL PULP TEST
TOOTH DISCOLORATION

[The biological basis of endodontics (author's transl)] Gängler P, et al. **Zahn Mund Kieferheilkd** 1981;69(7):531–48 (Eng. Abstr.) **(Ger)**

[Use of germ-free rat for endodontic study] Kobayashi C. **Kokubyo Gakkai Zasshi** 1981 Sep;48(3):303 **(Jpn)**

EDUCATION

Curricular guidelines for endodontics. **J Dent Educ** 1981 Oct; 45(10):727–32

Characteristics of predoctoral endodontic education in the United States and Canada. Mendel RW, et al. **J Dent Educ** 1981 Nov;45(11):752–8

VETERINARY

Canine endodontic therapy [letter] Ross DL. **J Am Vet Med Assoc** 1982 Feb 15;180(4):356, 8

ENDOLIMAX see under **AMOEBA**

ENDOLYMPH see under **LABYRINTHINE FLUIDS**

ENDOLYMPHATIC DUCT see under **LABYRINTH**

ENDOLYMPHATIC SAC see under **LABYRINTH**

ENDOMETRIAL HYPERPLASIA

Endometrial hyperplasia and neoplasia. **Clin Obstet Gynecol** 1982 Mar;25(1):1–101

BLOOD

Plasma androstenedione and oestrone levels before and after the menopause. I. Glandular hyperplasia and adenocarcinoma of the endometrium. Scirpa P, et al. **Maturitas** 1982 Apr;4(1):33–42

COMPLICATIONS

Definition of endometrial carcinoma precursors. Scully RE. **Clin Obstet Gynecol** 1982 Mar;25(1):39–48

[Oncological aspects of polycystic ovary syndrome] Bokhman IaV, et al. **Akush Ginekol (Mosk)** 1982 Feb; (2):19–21 (Eng. Abstr.) **(Rus)**

[Polycystic ovary syndrome and precancerous conditions of the endometrium] Serov VN, et al. **Akush Ginekol (Mosk)** 1982 Feb;(2):24–7 (Eng. Abstr.) **(Rus)**

DIAGNOSIS

Uterine lavage in the diagnosis of endometrial malignancy and its precursors. Barbaro CA, et al. **Acta Cytol (Baltimore)** 1982 Mar–Apr;26(2):135–40

Quantitative, microscopical, computer-aided diagnosis of endometrial hyperplasia or carcinoma in individual patients. Baak JP, et al. **Histopathology** 1981 Nov;5(6):689–95

[Diagnosis and treatment of atypical hyperplasia of endometrium in women under 40 years of age (author's transl)] Gai MY. **Chung Hua Fu Chan Ko Tsa Chih** 1981 Jan;16(1):48–51 **(Chi)**

[The significance of curettage in the diagnosis of endometrial hyperplasia (author's transl)] Haenel AF, et al. **Praxis** 1981 Sep 22;70(39):1712–6 (Eng. Abstr.) **(Ger)**

[Atypical adenomatous hyperplasia of the endometrium in a young woman] Aimone V, et al. **Minerva Ginecol** 1981 Jun;33(6):627–9 **(Ita)**

[So-called 'stromal endometriosis'. A definite entity or a variation of hyperplasia with sarcoma of the cytogenic stroma of the human endometrium?] Giardinelli M, et al. **Minerva Ginecol** 1982 Jan–Feb;34(1–2):13–24 **(Ita)**

[Complex diagnosis of endometrial pathology] Beglarian GA. **Akush Ginekol (Mosk)** 1981 Sep;(9):47–50 **(Rus)**

DRUG THERAPY

An intrauterine progesterone contraceptive system (52 mg) used in pre- and peri-menopausal patients with endometrial hyperplasia. Volpe A, et al. **Maturitas** 1982 Apr;4(1):73–9

ETIOLOGY

Endometrial hyperplasia in women on cyclic or continuous estrogen regimens. Schiff I, et al. **Fertil Steril** 1982 Jan; 37(1):79–82

METABOLISM

Cytoplasmic progesterone and estradiol receptors in normal, hyperplastic, and carcinomatous endometria: therapeutic implications. Ehrlich CE, et al. **Am J Obstet Gynecol** 1981 Nov 1;141(5):539–46

PATHOLOGY

Evaluation of criteria for distinguishing atypical endometrial hyperplasia from well-differentiated carcinoma. Kurman RJ, et al. **Cancer** 1982 Jun 15;49(12):2547–59

[Study of endometrial hyperplasia employing the method of micro-electrophoresis of cultured cells of hyperplastic endometrium (author's transl)] Noguchi K. **Nippon Sanka Fujinka Gakkai Zasshi** 1981 Aug; 33(8):1137–46 (Eng. Abstr.) **(Jpn)**

[Studies on the abnormal proliferation of the uterine endometrium, with reference to the cell surface electric charge density (author's transl)] Uchino S. **Nippon Sanka Fujinka Gakkai Zasshi** 1981 Nov; 33(11):1961–70 (Eng. Abstr.) **(Jpn)**

PHYSIOPATHOLOGY

Paradoxical hypersecretion of growth hormone in patients with endometrial atypical hyperplasia and carcinoma. Effect of hysterectomy. Ayalon D, et al. **Gynecol Obstet Invest** 1982;13(1):9–16

THERAPY

Treatment of hyperplasia and carcinoma in situ of the endometrium. Kistner RW. **Clin Obstet Gynecol** 1982 Mar; 25(1):63–74

ENDOMETRIOSIS

Endometriosis in young teen-age girls. Huffman JW. **Pediatr Ann** 1981 Dec;10(12):44–9

[A case of endometriosis localized on the cicatrix caused by prior laparotomy] Catenacci N, et al. **Ann Ital Chir** 1981; 53(1):127–32 **(Ita)**

[Perineal endometriosis in a case of prior delivery with uterine inversion] Bellorini R, et al. **Chir Ital** 1981 Jun; 33(3):812–7 **(Ita)**

[Endometrioid carcinoma of the ovary] Botella Llusiá J. **An R Acad Nac Med (Madr)** 1981;98(2):177–200 **(Spa)**

ANALYSIS

Estrogen and progesterone cytosol receptor concentration in endometriotic tissue and intrauterine endometrium. Bergqvist A, et al. **Acta Obstet Gynecol Scand [Suppl]** 1981; 101:53–8

Estrogen and progestin receptors in endometriosis lesions: comparison with endometrial tissue. Jänne O, et al. **Am J Obstet Gynecol** 1981 Nov 1;141(5):562–6

Prostaglandin F in human endometriotic tissue. Moon YS, et al. **Am J Obstet Gynecol** 1981 Oct 1;141(3):344–5

BLOOD

[FSH, LH, estradiol and testosterone studies of the blood serum in endometriosis externa] Gunev V, et al. **Akush Ginekol (Sofiia)** 1981;20(4):312–5 (Eng. Abstr.) **(Bul)**

[Incidence of hemorrhagic complications and the system of hemostasis in endometriosis] Bromboszcz A, et al. **Ginekol Pol** 1981 Sep;52(9):819–23 (Eng. Abstr.) **(Pol)**

CLASSIFICATION

Assessing the efficacy of The American Fertility Society's classification of endometriosis: application of a dose-response methodology. Guzick DS, et al. **Fertil Steril** 1982 Aug;38(2):171–6

COMPLICATIONS

Endometriosis and small bowel obstruction. De Waele B, et al. **Acta Chir Belg** 1982 Mar–Apr;(2):91–6

Catamenial pneumothorax: the roles of diaphragmatic defects and endometriosis. Slasky BS, et al. **AJR** 1982 Apr; 138(4):639–43

Multiple hamartoma syndrome with endometrial carcinoma and the sign of Leser-Trélat. Aylesworth R, et al. **Arch Dermatol** 1982 Feb;118(2):136–8

Atypical endometrioid cystadenofibroma with Meigs' syndrome: ultrastructure and S-phase fraction. Carson SA, et al. **Cancer** 1982 Feb 1;49(3):472–9

Endometriosis. Brosens I, et al. **Clin Obstet Gynaecol** 1981 Dec;8(3):639–51

Ovulatory dysfunction in patients with endometriosis. Badawy SZ, et al. **Diagn Gynecol Obstet** 1981 Winter; 3(4):305–7

Coexisting cyst of the utricle and carcinoma of the endometrial type in the prostate. Nogueira March JL, et al. **Eur Urol** 1982;8(1):42–4

How does mild endometriosis cause infertility? Muse KN, et al. **Fertil Steril** 1982 Aug;38(2):145–52 (52 ref.)

Gastric adenomyoma with coincidental pancreatic rest: a case report. Zarling EJ. **Gastrointest Endosc** 1981 Aug; 27(3):175–7

Pelvic and umbilical endometriosis presenting with hemorrhagic pleural effusion: a case report. Charles SX. **Int Surg** 1981 Jul–Sep;66(3):277–8

Adolescent endometriosis [letter] De Lia JE. **J Adolesc Health Care** 1981 Jun;1(4):321–2

Ectopic endometriosis in peritoneum with tuberculosis. Mathur DR, et al. **J Indian Med Assoc** 1981 Jul 1;77(1):9–10

Gastric duplication associated with adenomyoma. Floros D, et al. **J Surg Oncol** 1982 Feb;19(2):98–100

Coexistent endometriomas in pregnancy: sonographic appearance. McGahan JP, et al. **JCU** 1982 Apr;10(4):180–2

Endometriosis [letter] Silberstein W. **Med J Aust** 1981 Aug 22;2(4):202

Endometriosis and spontaneous abortion [letter] Dmowski WP. **Obstet Gynecol** 1981 Dec;58(6):763–4

Pyoderma gangrenosum, vesicovaginal fistula and endometriosis. A case report. Keyzer C, et al. **S Afr Med J** 1982 May 29;61(22):843–5

[Adenocarcinoma arising in adenomyosis after estrogen therapy in the menopause] Zanetti G, et al. **Pathologica** 1981 Mar–Apr;73(1024):233–40 (Eng. Abstr.) **(Ita)**

[Endometriosis in an episiotomy scar] Lekin M, et al. **Med Pregl** 1981;34(3–4):171–2 (Eng. Abstr.) **(Scr)**

DIAGNOSIS

Endometriosis of the appendix presenting as acute appendicitis. Mittal VK, et al. **Am J Surg** 1981 Oct; 142(4):519–21

Adenomyoma of the pylorus presenting as intestinal obstruction with pseudomyxoma peritonei—a case report. Ng WC, et al. **Ann Acad Med Singapore** 1981 Oct; 10(4):562–5

Simultaneous presentation of carcinoma involving the ovary and the uterine corpus. Eifel P, et al. **Cancer** 1982 Jul 1; 50(1):163–70

Endosalpingiosis. Holmes MD, et al. **Cleve Clin Q** 1981 Fall; 48(3):345–52

The preoperative diagnosis of adenomyosis. Weseley AC. **Diagn Gynecol Obstet** 1982 Summer;4(2):105–6

Adolescent endometriosis. Goldstein DP, et al. **J Adolesc Health Care** 1980 Sep;1(1):37–41

Endometrioma of the pubis: a differential in the diagnosis of hip pain. A report of two cases. Pellegrini VD Jr, et al. **J Bone Joint Surg [Am]** 1981 Oct;63A(8):1333–4

Evaluation of a pelvic mass. Meeks GR. **J Miss State Med Assoc** 1982 Apr;23(4):106–8

Endometriosis in adolescents. Chatman DL, et al. **J Reprod Med** 1982 Mar;27(3):156–60

Laparoscopy in the diagnosis and management of endometriosis. Cohen MR. **J Reprod Med** 1982 May; 27(5):240–2

Endometriosis of the small and large bowel. Study of 18 patients and survey of the literature. Teunen A, et al. **Neth J Med** 1982;25(5):142–50

Pleural and parenchymal pulmonary endometriosis. Foster DC, et al. **Obstet Gynecol** 1981 Nov;58(5):552–6

Splenosis mimicking endometriosis. Watson WJ, et al. **Obstet Gynecol** 1982 Jun;59(6 Suppl):51S–3S

Endometriosis of the colon. Michowitz M, et al. **Postgrad Med J** 1981 May;57(667):334–7

Ureteral endometriosis in postmenopausal woman. Madgar I, et al. **Urology** 1982 Aug;20(2):174–6

[Umbilical endometriosis] Merrild U, et al. **Ugeskr Laeger** 1982 Jan 18;144(3):159 (Eng. Abstr.) **(Dan)**

[Generalized adenomyomatosis of the gallbladder: ultrasonographic appearance in one case (author's transl)] Claudon M, et al. **J Radiol** 1982 Feb;63(2):119–22 (Eng. Abstr.) **(Fre)**

[Rare localization of endometriosis and diagnostic difficulties. Apropos of 3 cases] Dubuis PY. **Rev Med Suisse Romande** 1981 Nov;101(11):919–24 **(Fre)**

[So-called 'stromal endometriosis'. A definite entity or a variation of hyperplasia with sarcoma of the cytogenic stroma of the human endometrium?] Giardinelli M, et al. **Minerva Ginecol** 1982 Jan–Feb;34(1–2):13–24 **(Ita)**

[Hysteroscopy in the diagnosis of uterine corpus cancer] Stelmachów J. **Ginekol Pol** 1981 Jul;52(7):641–5 (Eng. Abstr.) **(Pol)**

[Evaluation of the effectiveness of ultrasonography in the diagnosis of genital neoplasms] Lukawska K, et al. **Nowotwory** 1981;31(2):121–9 (Eng. Abstr.) **(Pol)**

[External endometriosis] Braczkowski A, et al. **Pol Tyg Lek** 1981 Jun 8;36(23):841–3 (Eng. Abstr.) **(Pol)**

[Clinical and treatment characteristics of endometriosis in young patients] Baskakov VP, et al. **Akush Ginekol (Mosk)** 1981 Dec;(12):23–6 (Eng. Abstr.) **(Rus)**

[Echography in the diagnosis of genital endometriosis] Zykin BI. **Sov Med** 1981;(11):51–4 (Eng. Abstr.) **(Rus)**

[Endometriosis and cancer] Baskakov VP, et al. **Vopr Onkol** 1982;28(3):45–51 (Eng. Abstr.) **(Rus)**

DRUG THERAPY

Recurrence of ureteral obstruction caused by endometriosis after danazol therapy. Pittaway DE, et al. **Am J Obstet Gynecol** 1982 Jul 15;143(6):720–2

Danazol in the treatment of endometriosis: analysis of 100 cases with a 4-year follow-up. Barbieri RL, et al. **Fertil Steril** 1982 Jun;37(6):737–46

Interim report a study of danazol for the treatment of endometriosis. Buttram VC Jr, et al. **Fertil Steril** 1982 Apr; 37(4):478–83

Danazol—a versatile pharmacologic agent. Reyniak JV, et al. **Fertil Steril** 1982 Apr;37(4):475–7

Postoperative danazol therapy in infertility patients with severe endometriosis. Wheeler JM, et al. **Fertil Steril** 1981 Oct;36(4):460–3

'Medical oophorectomy' using a long-acting GNRH agonist—a possible new approach to the treatment of endometriosis. Meldrum DR, et al. **J Clin Endocrinol Metab** 1982 May;54(5):1081–3

Variable effects of danazol on endometriosis at 4 low-dose levels. Dmowski WP, et al. **Obstet Gynecol** 1982 Apr; 59(4):408-15

Treatment of endometriosis with reduced dosage schedules of danazol. Chalmers JA. **Scott Med J** 1982 Apr;27(2):143-6

[Clinical experience with danazol treatment of endometriosis and mastopathy] Pavelka R, et al. **Wien Klin Wochenschr** 1981 Oct 16;93(19):595-9 (Eng. Abstr.) **(Ger)**

ENZYMOLOGY

[T and B-lymphocytes, IgG, IgM and IgA immunoglobulins as well as cytochemical characteristics of lymphocytes in endometriosis] Blicharski J, et al. **Ginekol Pol** 1981 Nov-Dec;52(11-12):1015-22 (Eng. Abstr.) **(Pol)**

ETIOLOGY

Histogenesis of endometriosis. Ueki M, et al. **Bull Osaka Med Sch** 1981 Jul;27(1):22-45

Pelvic peritoneal defects and endometriosis: Allen-Masters syndrome revisited. Chatman DL. **Fertil Steril** 1981 Dec; 36(6):751-6

Congenital atresia of the uterine cervix. Two cases. Baker ER, et al. **J Reprod Med** 1982 Jan;27(1):39-43

Estrogens and endometrial carcinoma. Diddle AW, et al. **J Tenn Med Assoc** 1981 Mar;74(3):169-73

The etiology of endometriosis. Malick JE. **JAOA** 1982;81(6 Suppl):407-12

The induction of adenomyosis in mice by intrauterine pituitary isografts. Mori T, et al. **Life Sci** 1981 Sep 21; 29(12):1277-82

[Endometriosis--implantation or metaplasie? (author's transl)] Kühn W, et al. **Geburtshilfe Fraunheilkd** 1981 Oct; 41(10):698-701 (Eng. Abstr.) **(Ger)**

IMMUNOLOGY

Deficient cellular immunity in endometriosis. Dmowski WP, et al. **Am J Obstet Gynecol** 1981 Oct 15;141(4):377-83

[Immunologic aspects of endometriosis] Presl J, et al. **Cesk Gynekol** 1981 Jun;46(5):388-90 **(Cze)**

METABOLISM

Low LH (hCG) receptor concentration in ovarian follicles in endometriosis. Kauppila A, et al. **Acta Obstet Gynecol Scand** 1982;61(1):81-3

The concentration of 13,14-dihydro-15-keto prostaglandin F2 alpha and prostaglandin E2 in peritoneal fluid of infertile patients with and without endometriosis. Badawy SZ, et al. **Fertil Steril** 1982 Aug;38(2):166-70

MICROBIOLOGY

The suppurative abscess of an endometriosic ovarian cyst due to Salmonella brandenburg. Magliulo E, et al. **Infection** 1982;10(3):172

OCCURRENCE

Trends in the incidence of endometrioid and clear cell cancers of the ovary in the United States. Cramer DW, et al. **Am J Epidemiol** 1981 Aug;114(2):201-8

Endometrial carcinoma in Miyagi Prefecture, Japan: histopathologic analysis of a cancer registry-based series and comparison with cases in American women. Silverberg SG, et al. **Cancer** 1982 Apr 1;49(7):1504-10

Adenomyosis: study in a Jewish female population. Blum M. **Int Surg** 1981 Oct-Dec;66(4):341-3

[Adenomyosis: epidemiologic aspects] Soucci Larenas F, et al. **Ginecol Obstet Mex** 1981 Jan;48(291):47-53 (Eng. Abstr.) **(Spa)**

PATHOLOGY

Cytopathology of pleural endometriosis. Zaatari GS, et al. **Acta Cytol (Baltimore)** 1982 Mar-Apr;26(2):227-32

Symptomatic postmenopausal endometriosis. Djursing H, et al. **Acta Obstet Gynecol Scand** 1981;60(5):529-30

Atypical polypoid adenomyomas of the endometrium. Mazur MT. **Am J Surg Pathol** 1981 Jul;5(5):473-82

Endosalpingiosis in the omentum: a study of autopsy and surgical material. Zinsser KR, et al. **Am J Surg Pathol** 1982 Mar;6(2):109-17

Tubal (serous) carcinoma of the endometrium. Lauchlan SC. **Arch Pathol Lab Med** 1981 N~v;105(11):615-8

Endomyometriosis: possible association with leiomyomatosis disseminata and endometriosis [letter] Rohlfing MB, et al. **Arch Pathol Lab Med** 1981 Oct;105(10):556-7

Endosalpingiosis in pregnancy. Case report. Bryce RL, et al. **Br J Obstet Gynaecol** 1982 Feb;89(2):166-8

Ovarian endometrioid tumors mimicking Sertoli and Sertoli-Leydig cell tumors: Sertoliform variant of endometrioid carcinoma. Roth LM, et al. **Cancer** 1982 Oct 1;50(7):1322-31

Ovarian endometrioid adenofibromatous and cystadenofibromatous tumors: benign, proliferating, and malignant. Roth LM, et al. **Cancer** 1981 Oct 15; 48(8):1838-45

New trends on evaluation of ovarian carcinoma's spread. De Palo G, et al. **Eur J Gynaec Oncol** 1980 Dec;1(3):140-5

Cul-de-sac fluid in women with endometriosis: fluid volume and prostanoid concentration during the proliferative phase of the cycle--days 8 to 12. Rock JA, et al. **Fertil Steril** 1982 Jun;37(6):747-50

Endometrioid carcinoma arising from endometriosis of the sigmoid colon: a case report. Amano S, et al. **Hum Pathol** 1981 Sep;12(9):845-8

A case of sarcoma associated with endometriosis of the omentum. Coutifaris B, et al. **Int J Gynaecol Obstet** 1982 Apr;20(2):167-70

Intrinsic endometriosis of the ureter. Kokotas N, et al. **Int Urol Nephrol** 1981;13(2):127-30

A case of ovarian endometrioid carcinoma and malignant transformation of adenomyosis uteri. Tsukahara Y, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1981 Oct; 33(10):1767-70

[Method for study and histological evaluation of the uterus (author's transl)] Pierre C, et al. **Ann Pathol** 1982;2(2):181-4 (Eng. Abstr.) **(Fre)**

[Endometriosis in the abdominal wall (author's transl)] Caligaris P, et al. **J Gynecol Obstet Biol Reprod (Paris)** 1981;10(5):465-71 (Eng. Abstr.) **(Fre)**

[Adenomyosis, clinical and pathological features] Alroy A, et al. **Harefuah** 1981 Jun 15;100(12):558-60 (Eng. Abstr.) **(Heb)**

[Rare localization of so-called 'external endometriosis' (intestinal, inguinal umbilical, cicatricial)] Astore L. **Arch De Vecchi Anat Patol** 1980;64(1):19-58 (327 ref.) **(Ita)**

[Adenomyosis of the gallbladder within the framework of the dysplasias on malformative bases] Martines F, et al. **Arch De Vecchi Anat Patol** 1980 Nov;64(2):269-80 **(Ita)**

[Stromomyosis and its relation to mesenchymal pathology of the uterus: study of 7 cases with follow-up] De Feo G, et al. **Pathologica** 1980 Nov-Dec;72(1022):797-811 (Eng. Abstr.) **(Ita)**

PHYSIOPATHOLOGY

Pathophysiology and treatment of endometriosis. Raible MD. **Am J Hosp Pharm** 1981 Nov;38(11):1696-701 (41 ref.)

Effect of pelvic fluid from endometriosis patients on human sperm penetration of zona-free hamster ova. Halme J, et al. **Fertil Steril** 1982 Apr;37(4):573-6

RADIOGRAPHY

Double-contrast enema in pelvic endometriosis. Gordon RL, et al. **AJR** 1982 Mar;138(3):549-52

Computed tomography in the evaluation and treatment of endometrial carcinoma. Hasumi K, et al. **Cancer** 1982 Sep 1;50(5):904-8

A case of intraluminal endometriosis of the ureter. Slomic AM, et al. **J Can Assoc Radiol** 1981 Dec;32(4):244-8

[Endometriosis of the large bowel (author's transl)] Christ M, et al. **Geburtshilfe Fraunheilkd** 1982 Jan;42(1):45-7 (Eng. Abstr.) **(Ger)**

[A case of pulmonary endometriosis (author's transl)] Ibuki S, et al. **Nippon Naika Gakkai Zasshi** 1981 Oct 10; 70(10):1408-13 **(Jpn)**

[Case of adenomyomatosis of the gallbladder] Afanas'eva NI. **Vestn Rentgenol Radiol** 1982;(2):81-3 **(Rus)**

RADIOTHERAPY

Radioactive colloidal gold in the treatment of endometrial cancer: Mayo Clinic experience, 1952-1976. Fountain KS, et al. **Cancer** 1981 May 15;47(10):2430-2

[Radiation therapy of endometrial carcinoma (author's transl)] Saito Y. **Nippon Igaku Hoshasen Gakkai Zasshi** 1981 Nov 25;41(11):1081-90 (Eng. Abstr.) **(Jpn)**

SURGERY

Therapeutic, clinical and histological factors related to the survival of patients with advanced ovarian carcinoma. Kauppila A, et al. **Ann Chir Gynaecol** 1981;70(3):91-5

[A case of extensive endometriosis (author's transl)] de Brux J, et al. **J Gynecol Obstet Biol Reprod (Paris)** 1981; 10(8):807-11 (Eng. Abstr.) **(Fre)**

[Sigmoid endometriosis. A rare form of endometriosis externa from a surgical viewpoint] Wening JV. **Med Welt** 1982 Mar 12;33(10):352-4 **(Ger)**

[Diagnosis and treatment of endometriosis of the large intestine] Fedorov VD, et al. **Khirurgiia (Mosk)** 1981 Sep; (9):79-83 (Eng. Abstr.) **(Rus)**

THERAPY

Results of treatment of primary ovarian carcinoma. Saarikoski S, et al. **Ann Chir Gynaecol** 1982;71(3):156-60

Conservative surgery versus expectant management for the infertile patient with mild endometriosis. Schenken RS, et al. **Fertil Steril** 1982 Feb;37(2):183-6

Current concepts in the management of endometriosis. Dmowski WP. **Obstet Gynecol Annu** 1981;10:279-311 (87 ref.)

ULTRASTRUCTURE

Cutaneous decidualized endometriosis. A pseudomalignancy. Pellegrini AE. **Am J Dermatopathol** 1982 Apr;4(2):171-4

VETERINARY

Observation on the morphology of contagious equine metritis bacterial colonies isolated from infected pony mares. Sahu SP, et al. **Am J Vet Res** 1982 May;43(5):796-800

Endometriosis in rhesus monkeys. Bertens AP, et al. **Lab Anim** 1982 Jul;16(3):281-4

Strain-difference in the induction of adenomyosis by intrauterine pituitary grafting in mice. Mori T, et al. **Lab Anim Sci** 1982 Feb;32(1):40-1

ENDOMETRITIS

BLOOD

[Neutrophil enzyme activity and their glycogen content in inflammatory diseases of the internal female genitalia] Nazarov VG. **Akush Ginekol (Mosk)** 1982 Apr;(4):36-8 (Eng. Abstr.) **(Rus)**

COMPLICATIONS

[Pyometra in rudimentary uterine horn with obstructive dilatation of the urinary tract (author's transl)] Dieminger HJ, et al. **Zentralbl Gynakol** 1981;103(21):1329-33 (Eng. Abstr.) **(Ger)**

DIAGNOSIS

Ascending herpetic endometritis. Schneider V, et al. **Obstet Gynecol** 1982 Feb;59(2):259-62

[Case contribution to our knowledge of syncytial endomyometritis] Farci G, et al. **Pathologica** 1980 Nov-Dec;72(1022):813-20 (Eng. Abstr.) **(Ita)**

[Ultrasonic diagnosis of subinvolution of the uterus after labor] Bakuleva LP, et al. **Akush Ginekol (Mosk)** 1982 May; (5):24-7 **(Rus)**

[Concerning the course of gonorrhea of the genitalia in women and some aspects of its diagnosis (author's transl)] Péč J, et al. **Bratisl Lek Listy** 1982 Mar;77(3):326-32 (Eng. Abstr.) **(Slo)**

DRUG THERAPY

Ampicillin versus mezlocillin for treatment of endomyometritis [letter] Duff P, et al. **Am J Obstet Gynecol** 1982 Sep 1;144(1):116-7

A comparative study of two antibiotic regimens for the treatment of operative site infections. Duff P, et al. **Am J Obstet Gynecol** 1982 Apr 15;142(8):996-1003

Vaginal colonization with resistant aerobic bacteria after antibiotic therapy for endometritis. Gibbs RS, et al. **Am J Obstet Gynecol** 1982 Jan 15;142(2):130-4

Antimicrobial therapy of postpartum endomyometritis. II. Prospective, randomized trial of mezlocillin versus ampicillin. Sorrell TC, et al. **Am J Obstet Gynecol** 1981 Oct 1;141(3):246-51

[Isoniazid level in the tissues of women with genital tuberculosis] Kolachevskaia EN, et al. **Probl Tuberk** 1981 Sep;(9):59-61 (Eng. Abstr.) **(Rus)**

ETIOLOGY

Regeneration of the human endometrium and presence of inflammatory cells following diagnostic curettage. Johannisson E, et al. **Acta Obstet Gynecol Scand** 1981; 60(5):451-7

Three novel manifestations of chlamydia trachomatis infection- endometritis, perihepatitis and meningoencephalitis. Mårdh PA, et al. **Infection** 1982;10 Suppl 1:S57-60

Gynecological chlamydial infections. Weström L. **Infection** 1982;10 Suppl 1:S40-5 (37 ref.)

Severe pelvic infection from Chlamydia trachomatis after cesarean section. Cytryn A, et al. **JAMA** 1982 Mar 26; 247(12):1732-4

Premature rupture of membranes and spontaneous preterm labor: maternal endometritis risks. Daikoku NH, et al. **Obstet Gynecol** 1982 Jan;59(1):13-20

[Hypermenorhagia in intrauterine anticonception and pelvic inflammations (author's transl)] Pětroš J, et al. **Cesk Gynekol** 1981 Dec;46(10):760-2 (Eng. Abstr.) **(Cze)**

[Complications of intra-uterine fetal monitoring (author's transl)] Domenichini Y, et al. **J Gynecol Obstet Biol Reprod (Paris)** 1981;10(6):591-6 (Eng. Abstr.) **(Fre)**

[Intrauterine devices and endometrial infection] Lara Ricalde R, et al. **Ginecol Obstet Mex** 1981 May;49(295):297-309 (Eng. Abstr.) **(Spa)**

MICROBIOLOGY

Correlation of quantitative amniotic fluid cultures with endometritis after cesarean section. Blanco JD, et al. **Am J Obstet Gynecol** 1982 Aug 15;143(8):897-901

Impact of diverging anaerobic technology on cul-de-sac isolates from patients with endometritis-salpingitis-peritonitis. Monif GR, et al. **Am J Obstet Gynecol** 1982 Apr 1;142(7):896-900

[Etiology of puerperal endometritis] Zeníšek L, et al. **Cesk Gynekol** 1982 Jun;47(5):364-5 **(Cze)**

[Endometrial bacteriology in puerperal infections (author's transl)] Gerstner G, et al. **Z Geburtshife Perinatol** 1981 Oct; 185(5):276-9 (Eng. Abstr.) **(Ger)**

PATHOLOGY

Arias-Stella reaction with prominent nuclear pseudoinclusions simulating herpetic endometritis. Dardi LE, et al. **Diagn Gynecol Obstet** 1982 Summer;4(2):127-32

PREVENTION & CONTROL

Evaluation of cefoxitin prophylaxis for cesarean section. Dillon WP, et al. **Int J Gynaecol Obstet** 1981 Apr; 19(2):133–9

Prophylactic antibiotics for cesarean section: comparison of high- and low-risk patients for endomyometritis. Apuzzio JJ, et al. **Obstet Gynecol** 1982 Jun;59(6):693–8

VETERINARY

Contagious equine metritis. Powell DG. **Adv Vet Sci Comp Med** 1981;25:161–84 (58 ref.)

A quantitative study of the histological morphology of the endometrium of normal and barren mares. Leishman D, et al. **Can J Comp Med** 1982 Jan;46(1):17–20

Bacteriological and serological studies of haemophilus equigenitalis, agent of contagious equine metritis. Tainturier DJ, et al. **J Clin Microbiol** 1981 Oct;14(4):355–60

Interrelationships between production and reproductive diseases in Holstein cows. Conditional relationships between production and disease. Erb HN, et al. **J Dairy Sci** 1981 Feb;64(2):272–81

Interrelationships between production and reproductive diseases in holstein cows. Path analysis. Erb HN, et al. **J Dairy Sci** 1981 Feb;64(2):282–9

Pyometra in a bitch. Rowley J. **Mod Vet Pract** 1981 Aug; 62(8):625–6

Susceptibility of Haemophilus equigenitalis, the causal agent of contagious equine metritis, to 31 antimicrobial agents. Sugimoto C, et al. **Natl Inst Anim Health Q (Tokyo)** 1981 Winter;21(4):159–62

Pathogenesis of hydrometra-endometritis complex in rats. Homma S, et al. **Nippon Juigaku Zasshi** 1981 Jun; 43(3):387–98

Contagious equine metritis: isolation of haemophilus equigenitalis from horses with endometritis in Japan. Kamada M, et al. **Nippon Juigaku Zasshi** 1981 Aug; 43(4):565–8

An outbreak of contagious equine metritis in Japan: isolation of Haemophilus equigenitalis from thoroughbred mares with genital infection in Hokkaido. Kikuchi N, et al. **Nippon Juigaku Zasshi** 1982 Feb;44(1):107–14

Prostaglandin F2 alpha in the treatment of pyometra-metritis. Burke TJ. **Vet Clin North Am [Small Anim Pract]** 1982 Feb;12(1):107–9

Clitoral sinusectomy--a transatlantic farce? Ricketts SW, et al. **Vet Rec** 1982 Apr 3;110(14):322

Contagious equine metritis: effect of intrauterine inoculation of tiny colony forms in pony mares. Sahu SP, et al. **Vet Rec** 1982 Mar 13;110(11):250–1

[Histological endometrial changes in cows with latent endometritis] Dzhurova I, et al. **Vet Med Nauki** 1981; 18(10):98–103 (Eng. Abstr.) **(Bul)**

[Bacterial contamination, clinical and pathohistological findings in the sex organs of cows following parturition] Radoslavov V, et al. **Vet Med Nauki** 1982;19(2):76–83 (Eng. Abstr.) **(Bul)**

[A serological study of the contagious equine metritis: comparison between indirect immunofluorescence, slow agglutination and complement fixation techniques (author's transl)] Tainturier D, et al. **Ann Rech Vet** 1981;12(3):265–75 (Eng. Abstr.) **(Fre)**

[Histological and bacteriological examination of uterus from the repeat breeder gilt and sow (author's transl)] Karlberg K, et al. **Nord Vet Med** 1981 Jun–Aug;33(6–8):359–65 (Eng. Abstr.) **(Nor)**

[B-lymphocytes in the peripheral blood of healthy cattle and in various gynecological and obstetrical cases] Nowacki W. **Pol Arch Weter** 1981;23(1):79–87 (Eng. Abstr.) **(Pol)**

ENDOMETRIUM

ANALYSIS

Estrogen and progesterone cytosol receptor concentration in endometriotic tissue and intrauterine endometrium. Bergqvist A, et al. **Acta Obstet Gynecol Scand [Suppl]** 1981; 101:53–8

Localization of relaxin in endometrial gland cells of pregnant, lactating, and ovariectomized hormone-treated guinea pigs. Pardo RJ, et al. **Am J Anat** 1982 May;164(1):79–90

Cytoplasmic progesterone and estradiol receptors in normal, hyperplastic, and carcinomatous endometria: therapeutic implications. Ehrlich CE, et al. **Am J Obstet Gynecol** 1981 Nov 1;141(5):539–46

Estrogen and progestin receptors in endometriosis lesions: comparison with endometrial tissue. Jänne O, et al. **Am J Obstet Gynecol** 1981 Nov 1;141(5):562–6

Prostaglandin F in human endometriotic tissue. Moon YS, et al. **Am J Obstet Gynecol** 1981 Oct 1;141(3):344–5

Prostaglandin F2alpha in the equine endometrium: steroid modulation and production capacities during the estrous cycle and early pregnancy. Vernon MW, et al. **Biol Reprod** 1981 Oct;25(3):581–9

Distribution of progesterone receptor, estradiol dehydrogenase, and 20 alpha-dihydroprogesterone dehydrogenase activities in human endometrial glands and stroma: progestin induction of steroid dehydrogenase activities in vitro is restricted to the glandular epithelium. Satyaswaroop PG, et al. **Endocrinology** 1982 Sep; 111(3):743–9

Oestrogen receptors in the genital tract of the Australian marsupial Trichosurus vulpecula. Young CE, et al. **Gen Comp Endocrinol** 1982 Apr;46(4):417–27

Cyclic AMP and cyclic GMP in the implantation site of the rat. Vilar-Rojas C, et al. **Int J Fertil** 1982;27(1):56–9

Cytosol and nuclear progesterone-receptor concentrations in the rabbit endometrium during early pseudopregnancy under different treatments with estradiol and progesterone. Neulen J, et al. **Mol Cell Endocrinol** 1982 Feb;25(2):183–91

[Estrophilic receptors in the normal endometrium, in fibromyoma and in endometrial adenocarcinoma in post-menopausal women] Limone M, et al. **Minerva Ginecol** 1980 Dec;32(12):1089–92 **(Ita)**

[Studies on estradiol occupied and unoccupied receptors in human endometrial cytosol and nucleus: steroid receptors throughout the menstrual cycle and in cases of oral contraceptives administration (author's transl)] Azumaguchi A, et al. **Acta Obstet Gynaecol Jpn** 1981 Jul; 33(7):951–60 (Eng. Abstr.) **(Jpn)**

ANATOMY & HISTOLOGY

Three-dimensional subgross morphology of the human endometrium. Schmidt WA, et al. **Diagn Gynecol Obstet** 1981 Fall;3(3):193–203

BLOOD SUPPLY

Effects of a progesterone-releasing intrauterine contraceptive device on endometrial blood vessels: a morphometric study. Shaw ST Jr, et al. **Am J Obstet Gynecol** 1981 Dec 1; 141(7):821–7

Pericytes in the stroma of the rat uterus. Lunam C, et al. **J Reprod Fertil** 1981 Sep;63(1):267–70

CYTOLOGY

Luteolysis in mares after endometrial biopsy. Baker CB, et al. **Am J Vet Res** 1981 Oct;42(10):1816–8

Endometrial patterns in women on chronic luteinizing hormone-releasing hormone agonist treatment for contraception. Bergquist C, et al. **Fertil Steril** 1981 Sep; 36(3):339–42

Hormonal control of cell death in the luminal epithelium of the mouse uterus. Finn CA, et al. **J Endocrinol** 1981 Nov;91(2):335–40

Growth characteristics of primary cultures of stromal cells from human endometrium. Fleming H, et al. **J Steroid Biochem** 1982 Jun;16(6):717–20

[Importance of curettage histology for the diagnosis of extrauterine pregnancies] Juchli P, et al. **Pathologe** 1981 Dec;3(1):39–44 **(Ger)**

[Significance of the changes in the surface epithelium of the endometrium during the menstrual cycle] Zamberletti D, et al. **Ann Ostet Ginecol Med Perinat** 1982 Mar–Apr; 103(2):113–9 (Eng. Abstr.) **(Ita)**

[Various aspects of estrogenic function in the menopause. V. Histological examination of the corpus endometrium as a diagnostic test of estrogenic activity] Dzieciuchowicz L, et al. **Ginekol Pol** 1981 Sep;52(9):813–8 (Eng. Abstr.) **(Pol)**

[Histological changes in the endometrium after use of various types of intrauterine devices] Oprić M, et al. **Med Pregl** 1981;34(1–2):43–8 (Eng. Abstr.) **(Scc)**

[Apoptosis of the endometrium (author's transl)] Dimitrovska N. **Jugosl Ginekol Opstet** 1981 Dec;21(5–6):111–3 (Eng. Abstr.) **(Scr)**

DRUG EFFECTS

Endometrial effect of vaginal estriol treatment. A scanning electron microscopic study of the luminal surface. Englund DE, et al. **Acta Obstet Gynecol Scand [Suppl]** 1981;106:23–6

Dose-dependent effects of synthetic progestins on the biochemistry of the estrogenized post-menopausal endometrium. Siddle NC, et al. **Acta Obstet Gynecol Scand [Suppl]** 1981;106:17–22

Estrogen-progestin pharmacodynamics of the postmenopausal endometrium studied by thymidine labeling. Friedrich ER, et al. **Am J Obstet Gynecol** 1982 Jun 1;143(3):352–9

Effects of tamoxifen, medroxyprogesterone acetate, and their combination on human endometrial estrogen and progestin receptor concentrations, 17 beta-hydroxysteroid dehydrogenase activity, and serum hormone concentrations. Kokko E, et al. **Am J Obstet Gynecol** 1982 Jun 15;143(4):382–8

The morphologic response of the human endometrium to long-term treatment with progestational agents. Ludwig H. **Am J Obstet Gynecol** 1982 Mar 15;142(6 Pt 2):796–808

Actions of progestins on the morphology and biochemistry of the endometrium of postmenopausal women receiving low-dose estrogen therapy. Whitehead MI, et al. **Am J Obstet Gynecol** 1982 Mar 15;142(6 Pt 2):791–5

The effect of the progesterone-releasing intrauterine device on uterine endometrium and fallopian tube epithelium. Sheppard BL, et al. **Arch Toxicol [Suppl]** 1982;5:231–4

Effects of chronic LHRH agonist treatment on the endometrium and ovaries of the stumptailed macaque. Kerr-Wilson RH, et al. **Contraception** 1981 Dec; 24(6):647–55

The effect of sodium molybdate on the cytoplasmic estrogen and progesterone receptors in human endometrial tissues. Shyamala G, et al. **Diagn Gynecol Obstet** 1981 Winter; 3(4):277–82

Dehydrogesterone versus vaginal progesterone in the treatment of the endometrial luteal phase deficiency. Balasch J, et al. **Fertil Steril** 1982 Jun;37(6):751–4

Different responses of rat endometrial epithelium and stroma to induction of oestradiol binding sites by progesterone. Martel D, et al. **J Reprod Fertil** 1982 Mar;64(2):387–9

The effect of progestins on estrogen and progesterone receptors in the human endometrium. Natrajan PK, et al. **J Reprod Med** 1982 Apr;27(4):227–30

Assessment of oestrogen and progestin effects on epithelium and stroma from pre- and postmenopausal endometria. King RJ, et al. **J Steroid Biochem** 1981 Dec;15:175–81

A possible non transcriptional effect of progesterone. Loosfelt H, et al. **J Steroid Biochem** 1981 Dec;15:107–10

Effects of conjugated equine oestrogens and oestriol on blood clotting, plasma lipids and endometrial proliferation in post-menopausal women. Campagnoli C, et al. **Maturitas** 1981 Aug;3(2):135–44

Continuous treatment with natural oestrogens and progestogens. A method to avoid endometrial stimulation. Staland B. **Maturitas** 1981 Aug;3(2):145–56

Female hormones and the postmenopausal endometrium [letter] **N Engl J Med** 1982 Jun 10;306(23):1424–5

Estrogen plus progestin in postmenopausal women [editorial] MacDonald PC. **N Engl J Med** 1981 Dec 31;305(27):1644–5

Effects of estrogens and progestins on the biochemistry and morphology of the postmenopausal endometrium. Whitehead MI, et al. **N Engl J Med** 1981 Dec 31; 305(27):1599–605

Effects of systemic administration of indomethacin to cyclic ewes on endometrial concentrations of prostaglandins effects on estrous cycle length and on progesterone, luteinizing hormone and prolactin patterns. Kann G, et al. **Prostaglandins** 1982 Apr;23(4):527–41

Prostaglandin F2alpha conceptus-endometrial interaction during early gestation in the mouse. Scott JE, et al. **Prostaglandins Med** 1981 Aug;7(2):133–47

Benzo(a)pyrene-induced early cytopathologic changes and peroxidase activity in the endometrium of ovariectomized rats. Kang YH, et al. **Toxicol Appl Pharmacol** 1982 Apr; 63(2):242–56

[The effect of gossypol acetate on the content of the sex steroid hormone in endometrium (author's transl)] Liu YX. **Chung Hua Fu Chan Ko Tsa Chih** 1981 Jul;16(3):129–31 **(Chi)**

[Effect of progestins on the ultrastructure of endometrial cells in pretumorous changes and cancer (an organ-culture study)] Beliaeva LA, et al. **Arkh Patol** 1982;44(4):18–25 (Eng. Abstr.) **(Rus)**

[Action of medicated intrauterine contraceptives on the endometrium] Shirokova TA, et al. **Lab Delo** 1981; (11):665–7 (Eng. Abstr.) **(Rus)**

ENZYMOLOGY

Regulation by human chorionic gonadotropin of protein kinases in rabbit endometrium. Miyazaki K, et al. **Biochim Biophys Acta** 1981 Sep 18;677(1):120–5

Influence of estrogen, progesterone and estrous cycle on gamma-glutamyltranspeptidase of rat endometrium. Tarachand U, et al. **FEBS Lett** 1982 May 17;141(2):210–2

Induction of estrogen sulfotransferase in the human endometrium by progesterone in organ culture. Clarke CL, et al. **J Clin Endocrinol Metab** 1982 Jul;55(1):70–5

Distribution of guaiacol peroxidase in human endometrium and endocervical epithelium during the menstrual cycle. Tsibris JC, et al. **J Clin Endocrinol Metab** 1982 May; 54(5):991–7

Hormone-related enzymatic activities in normal and cancer cells of human endometrium. Holinka CF, et al. **J Steroid Biochem** 1981 Dec;15:183–92 (83 ref.)

Kinetic studies of human endometrial hydroxysteroid dehydrogenase. Tseng L, et al. **J Steroid Biochem** 1981 May;14(5):437–42

[Histochemical studies on alkaline phosphatase in normal endometrium and endometrial carcinoma--with a special reference to heat stability and L-phenylalanine inhibition tests (author's transl)] Hayashi S. **Acta Obstet Gynaecol Jpn** 1981 Jul;33(7):1035–44 (Eng. Abstr.) **(Jpn)**

[Thermostable placental-type alkaline phosphatase in the malignantly degenerated endometrium] Volodin MA, et al. **Vopr Onkol** 1982;28(6):29–35 (Eng. Abstr.) **(Rus)**

IMMUNOLOGY

Modulation of endometrial lymphocyte response in menstrual cycle of fertile women. Soffer Y, et al. **Am J Reprod Immunol** 1982 Feb;2(1):18–22

[A study on immunological significance of prostaglandins -immunological significance of prostaglandin E in the endometrium around the implantation (author's transl)] Fujisaki S, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1982 Apr;34(4):483–90 (Eng. Abstr.) **(Jpn)**

METABOLISM

Danazol has progestin-like actions on the human endometrium. Kokko E, et al. **Acta Endocrinol (Copenh)** 1982 Apr;99(4):588–93

Rates of uteroglobin synthesis by endometrial explants from different days of early pregnancy in the rabbit. Kao LW, et al. **Biol Reprod** 1981 Nov;25(4):820–4

Prostaglandin formation by the sheep embryo and

endometrium as an indication of maternal recognition of pregnancy. Marcus GJ. **Biol Reprod** 1981 Aug;25(1):56–64

Oestradiol: the predominant intranuclear oestrogen in the endometrium of oestrogen-treated postmenopausal women. Whitehead MI, et al. **Br J Obstet Gynaecol** 1981 Sep; 88(9):914–8

A comparison of cytoplasmic and nuclear estradiol and progesterone receptors in human fallopian tube and endometrial tissue. Pollow K, et al. **Fertil Steril** 1981 Nov; 36(5):615–22

Serum sex steroid and peptide hormone concentrations, and endometrial estrogen and progestin receptor levels during administration of human leukocyte interferon. Kauppila A, et al. **Int J Cancer** 1982 Mar 15;29(3):291–4

Hormonal effects on the sulfation of sulfated glycoprotein in a particulate fraction of the endometrium of rabbit uterus. Isemura M, et al. **J Biochem (Tokyo)** 1981 Jun;89(6):1815–9

The synthesis of prostaglandins from persistent proliferative endometrium. Smith SK, et al. **J Clin Endocrinol Metab** 1982 Aug;55(2):284–9

Oestrogen receptors and protein synthesis in caruncular and intercaruncular endometrium of sheep before implantation. Findlay JK, et al. **J Reprod Fertil** 1982 Mar;64(2):329–39

Localization of alpha-uterine protein in human endometrium. Horne CH, et al. **J Reprod Fertil** 1982 Jul;65(2):447–50

Prostaglandin production by ovine embryos and endometrium in vitro. Hyland JH, et al. **J Reprod Fertil** 1982 Jul;65(2):299–304

Oxygen consumption of human endometrium during the menstrual cycle measured in vitro using an oxygen electrode. Price PN, et al. **J Reprod Fertil** 1981 Sep; 63(1):185–92

Oestrogen receptor components of human endometrium. Braunsberg H, et al. **J Steroid Biochem** 1981 Dec;15:313–6

Biochemical analyses of separated epithelium and stroma from endometria of premenopausal and postmenopausal women receiving estrogen and progestins. King RJ, et al. **J Steroid Biochem** 1981 Oct;14(10):979–87

Regulation of estrogen and progesterone receptor levels in epithelium and stroma from pre- and postmenopausal endometria. King RJ, et al. **J Steroid Biochem** 1982 Jan; 16(1):21–9

Estradiol and progesterone receptor concentrations and 17 beta-hydroxysteroid-dehydrogenase activity in estrogen-progestin stimulated endometrium of women with gonadal dysgenesis. Lübbert H, et al. **J Steroid Biochem** 1982 Aug;17(2):143–8

The measurement of cytosolic estrogen receptors in human endometrial tissue and organ cultures. Rodgers NT, et al. **J Steroid Biochem** 1981 Aug;14(8):801–6

The uneven distribution of estrogen and progesterone receptors in human endometrium. Tsibris JC, et al. **J Steroid Biochem** 1981 Oct;14(10):997–1003

Progesterone receptors in human oestrogen target tissues. van Haaften M, et al. **Maturitas** 1982 Apr;4(1):57–66

Steroid-induced proteins in human endometrium. Iacobelli S, et al. **Mol Cell Endocrinol** 1981 Sep;23(3):321–31

Comparative studies of prostaglandins F2 alpha and E2 in late cyclic and early pregnant sheep: in vitro synthesis by endometrium and conceptus effects of in vivo indomethacin treatment on establishment of pregnancy. Lacroix MC, et al. **Prostaglandins** 1982 Apr;23(4):507–26

Effect of repeated biopsy sampling on endometrial concentrations of sodium benzylpenicillin following intramuscular injection in pony mares. Allen WE, et al. **Res Vet Sci** 1981 Nov;31(3):281–3

Estrogen receptors at implantation sites of rat endometrium [letter] Logeat F, et al. **Science** 1982 Feb 26; 215(4536):1134–5

Hormonal effects on the sulfation of sulfated glycoconjugates in the uterine endometrium of non-ovariectomized rabbit. Munakata H, et al. **Tohoku J Exp Med** 1981 Nov; 135(3):275–9

[Physiological and pharmacological regulation of sex steroid receptors in the endometrium (author's transl)] Bayard F. **Ann Endocrinol (Paris)** 1981 Oct-Nov;42(4–5):321–6 (Eng. Abstr.) **(Fre)**

MICROBIOLOGY

Bacteriologic studies in second-trimester pregnancy termination: a comparison of intra- and extra-amniotic methods. Reichman J, et al. **Int J Gynaecol Obstet** 1981 Oct;19(5):409–12

Detection and prevalence of IUD-associated Actinomyces colonization and related morbidity. A prospective study of 69,925 cervical smears. Valicenti JF Jr, et al. **JAMA** 1982 Feb 26;247(8):1149–52

PARASITOLOGY

Trypanosoma cruzi in the endometrium of infected mice [letter] de Mesquita RP, et al. **Acta Cytol (Baltimore)** 1982 Mar-Apr;26(2):261–2

PATHOLOGY

Uterine lavage in the diagnosis of endometrial malignancy and its precursors. Barbaro CA, et al. **Acta Cytol (Baltimore)** 1982 Mar-Apr;26(2):135–40

Psammoma bodies found in cervicovaginal and/or endometrial smears. Fujimoto I, et al. **Acta Cytol (Baltimore)** 1982 May-Jun;26(3):317–22

Diagnostic dilation and curettage: a reappraisal. Grimes DA. **Am J Obstet Gynecol** 1982 Jan 1;142(1):1–6

Arias-Stella reaction [letter] Fienberg R. **Arch Pathol Lab Med** 1981 Nov;105(11):629–30

A comparison of the Vabra aspirator and the Mimark endometrial sampler in the screening of postmenopausal women. Wren BG. **Aust NZ J Obstet Gynaecol** 1982 Feb; 22(1):43–5

A quantitative study of the histological morphology of the endometrium of normal and barren mares. Leishman D, et al. **Can J Comp Med** 1982 Jan;46(1):17–20

The use of endometrial biopsy in the infertile mare. Doig PA, et al. **Can Vet J** 1981 Mar;22(3):72–6

Endometrial morphology and peripheral steroid levels in women with and without intermenstrual bleeding during contraception with the 300 microgram norethisterone (NET) minipill. Johannisson E, et al. **Contraception** 1982 Jan;25(1):13–30

Arias-Stella reaction with prominent nuclear pseudoinclusions simulating herpetic endometritis. Dardi LE, et al. **Diagn Gynecol Obstet** 1982 Summer;4(2):127–32

Endometrial pathological changes after Fallopian ring tubal ligation. de Cristofaro D, et al. **Endoscopy** 1982 Jul; 14(4):139–40

The significance of lymphocytic-leukocytic infiltrates in interpreting late luteal phase endometrial biopsies. Daly DC, et al. **Fertil Steril** 1982 Jun;37(6):786–91

Glassy cell carcinoma of the endometrium. Christopherson WM, et al. **Hum Pathol** 1982 May;13(5):418–21

The significance of dating an endometrial biopsy for the prognosis of the infertile couple. Driessen F, et al. **Int J Fertil** 1980;25(2):112–6

Leprosy and female reproductive organs. Sharma SC, et al. **Int J Lepr** 1981 Jun;49(2):177–9

Papillary adenocarcinoma of the endometrium with psammoma bodies. Roberts JA, et al. **J Iowa Med Soc** 1982 May;72(5):196–9

Endocrinological features and endometrial morphology in climacteric women receiving hormone replacement therapy. Grasso A, et al. **Maturitas** 1982 Apr;4(1):19–26

The value of endometrial cell sampling in the management of post-menopausal women. Wren BG, et al. **Maturitas** 1981 Dec;3(3–4):189–96

Reliability of endometrial aspiration cytology in the assessment of endometrial status. Morse AR, et al. **Obstet Gynecol** 1982 Apr;59(4):513–8

Cytologic and histologic findings in women using an IUD. Risse EK, et al. **Obstet Gynecol** 1981 Nov;58(5):569–73

Extensive squamous metaplasia of the endometrium (ichthyosis uteri). Brown D Jr, et al. **South Med J** 1982 May;75(5):593–5

Endometrial ossification. A report on two cases. Rao BN, et al. **West Indian Med J** 1981 Sep;30(3):153–5

[Histological endometrial changes in cows with latent endometritis] Dzhurova I, et al. **Vet Med Nauki** 1981; 18(10):98–103 (Eng. Abstr.) **(Bul)**

[Cytological complications of IUDs (author's transl)] Saurel J, et al. **Arch Anat Cytol Pathol** 1982;30(1):20–4 (Eng. Abstr.) **(Fre)**

[Syndrome of irregular maturation of the endometrium] Bouchet C, et al. **Arch Inst Pasteur Tunis** 1981 Mar-Jun; 58(1–2):1–13 (Eng. Abstr.) **(Fre)**

[Cytology of the endometrium. Anatomical principles (author's transl)] von Lüdinghausen M, et al. **MMW** 1981 Nov 6;123(45):1699–704 (Eng. Abstr.) **(Ger)**

[Precancerous lesions of the endometrium] Carinelli SG, et al. **Ann Ostet Ginecol Med Perinat** 1981 Sep-Oct; 102(5):343–61 (Eng. Abstr.) **(Ita)**

[Fundamental studies on high risk factor of endometrial carcinoma functional and histological abnormalities of ovaries and uteri in experimental anovulatory rats (author's transl)] Morikawa S, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1982 Feb;34(2):165–72 (Eng. Abstr.) **(Jpn)**

[Study of endometrial hyperplasia employing the method of micro-electrophoresis of cultured cells of hyperplastic endometrium (author's transl)] Noguchi K. **Nippon Sanka Fujinka Gakkai Zasshi** 1981 Aug; 33(8):1137–46 (Eng. Abstr.) **(Jpn)**

[A study of apocrine resembled metaplasia of endometrium in the patient with functional uterine bleeding and their hormone levels (author's transl)] Suzuki H, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1982 Jun;34(6):701–8 (Eng. Abstr.) **(Jpn)**

[Studies on the abnormal proliferation of the uterine endometrium, with reference to the cell surface electric charge density (author's transl)] Uchino S. **Nippon Sanka Fujinka Gakkai Zasshi** 1981 Nov; 33(11):1961–70 (Eng. Abstr.) **(Jpn)**

[Histopathological diagnosis of biopsy of endometrium (author's transl)] Namiki T. **Rinsho Byori** 1981 Jan; 29(1):79–86 **(Jpn)**

[Histological aspects of the endometrium in users of intrauterine devices] Carneiro de Moura ML, et al. **Acta Med Port** 1981 Jan-Feb;3(1):11–22 (Eng. Abstr.) **(Por)**

[Endometrial cytological characteristics of patients at puberty suffering from primary or secondary amenorrhea] Shirokova TA, et al. **Akush Ginekol (Mosk)** 1981 Dec; (12):30–2 **(Rus)**

PHYSIOLOGY

Regeneration of the human endometrium and presence of inflammatory cells following diagnostic curettage. Johannisson E, et al. **Acta Obstet Gynecol Scand** 1981; 60(5):451–7

Uterine and placental growth: RNA and protein metabolism and steroid hormone receptor levels in the endometrium, whole uterus and cotyledons during pregnancy in the ewe. Miller BG, et al. **Aust J Biol Sci** 1981;34(2):231–7

The aging uterus and the role of edema in endometrial function. Sorger T, et al. **Biol Reprod** 1981 Jun; 24(5):1135–44

Hemostasis in menstrual endometrium: a review. Christiaens GC, et al. **Obstet Gynecol Surv** 1982 May;37(5):281–303 (232 ref.)

Receptors, enzymes, and hormonal responses of endometrial cells. Gurpide E, et al. **Prog Clin Biol Res** 1981;74:427–46 (94 ref.)

[Nidatory receptiveness of the endometrium (author's transl)] Leroy F. **Rev Med Brux** 1982;3(4):301–4 (Eng. Abstr.) **(Fre)**

[Endouterine fibrinolytic activity in users of intrauterine devices] Gayán P, et al. **Rev Chil Obstet Ginecol** 1979; 44(5):237–44 (Eng. Abstr.) **(Spa)**

PHYSIOPATHOLOGY

[Blood coagulating and fibrinolytic activity of the endometrium in precancer and cancer] Kudriavtseva LI, et al. **Vopr Onkol** 1981;27(10):44–8 (Eng. Abstr.) **(Rus)**

RADIATION EFFECTS

Pituitary-ovarian hormones after low-dose endometrial afterloading irradiation. Grönroos M, et al. **Int J Gynaecol Obstet** 1981 Oct;19(5):375–80

SECRETION

The search for progesterone-dependent proteins secreted by human endometrium. MacLaughlin DT, et al. **Adv Exp Med Biol** 1981;138:113–31

Prostaglandin secretion by human endometrium in vitro. Tsang BK, et al. **Am J Obstet Gynecol** 1982 Mar 15;142(6 Pt 1):626–33

Basal body temperature [letter] Honoré LH. **Fertil Steril** 1982 Apr;37(4):585

SURGERY

[Surgical results in myomas with supracervical hysterectomy and preservation of a portion of the endometrium] Daniłoś J, et al. **Ginekol Pol** 1982 Jan-Feb;53(1–2):55–60 (Eng. Abstr.) **(Pol)**

ULTRASTRUCTURE

A freeze-fracture electron microscopic study of tight junctions of epithelial cells in the human uterus. Murphy CR, et al. **Anat Embryol (Berl)** 1982;163(4):367–70

Scanning electron microscopy of the endometrial cell surface in postmenopausal women receiving oestrogen therapy. Thom MH, et al. **Br J Obstet Gynaecol** 1981 Sep; 88(9):904–13

Endometrial ultrastructure in the early uterine response to blastocysts and artificial deciduogenic stimuli in rats. Lundkvist O, et al. **Cell Tissue Res** 1982 Jul;225(2):355–64

Ultrastructural alterations in human endometrium caused by intrauterine contraceptive devices. Verma V. **Int J Gynaecol Obstet** 1981 Jun;19(3):211–9

Changes in the fine structure of the apical plasma membrane of endometrial epithelial cells during implantation in the rat. Murphy CR, et al. **J Cell Sci** 1982 Jun;55:1–12

Cytochemical studies of uterine and trophoblastic surface coats during blastocyst attachment in the ewe. Guillomot M, et al. **J Reprod Fertil** 1982 May;65(1):1–8

Complex giant mitochondria in the human endometrial glandular cell: serial sectioning, high-voltage electron microscopic, and three-dimensional reconstruction studies. Coaker T, et al. **J Ultrastruct Res** 1982 Mar;78(3):283–91

Ultrastructural changes in endometriotic implants during the menstrual cycle. Schweppe KW, et al. **Obstet Gynecol** 1981 Oct;58(4):465–73

3-D microanatomy of human reproductive organs. Hafez ES. **Prog Clin Biol Res** 1981;59B:331–6

[Blastocyst-endometrial relationships before ovo-implantation in the rabbit (author's transl)] Lescoat D, et al. **Arch Anat Microsc Morphol Exp** 1982;71(1):15–25 (Eng. Abstr.) **(Fre)**

[Chromosomes of normal human endometrial cells in long-term culture] David JF, et al. **Bull Assoc Anat (Nancy)** 1981 Sep;65(190):269–74 (Eng. Abstr.) **(Fre)**

[Presence of globule leucocytes in the uterus of pregnant goats and their fine structure (author's transl)] Tokashiki S, et al. **Nippon Juigaku Zasshi** 1981 Oct;43(5):725–32 (Eng. Abstr.) **(Jpn)**

[Surface ultrastructural study on the human endometrial interstitium using digestion method (author's transl)] Suzuki H, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1982 Jun; 34(6):761–8 (Eng. Abstr.) **(Jpn)**

[Cytosol estrogen and progesterone receptors in the normal and pathological human uterus and ovaries] Baron J, et al. **Ginekol Pol** 1981 Jul;52(7):585–90 (Eng. Abstr.) **(Pol)**

ENDOMYCETALES see under **ASCOMYCETES**

ENDOMYCOPSIS see under ASCOMYCETES

ENDOMYOCARDIAL FIBROSIS

COMPLICATIONS

Cardiomyopathy in cystic fibrosis: lymphoedema of the heart with focal myocardial fibrosis. Zimmermann A, et al. **Helv Paediatr Acta** 1982 May;37(2):183–92

Clinico-pathological conference. A case for St. Valentine's Day. **Scott Med J** 1982 Jul;27(3):257–63

[Mitral valve insufficiency secondary to endocardial fibrosis associated with distomatosis] Potier JC, et al. **Arch Mal Coeur** 1981 Dec;74(12):1471–5 (Eng. Abstr.) **(Fre)**

DIAGNOSIS

M-mode echocardiographic features of endomyocardial fibrosis. George BO, et al. **Br Heart J** 1982 Sep;48(3):222–8

Electrocardiographic abnormalities in Ebstein's anomaly. Deductions based on comparison with endomyocardial fibrosis. Jaiyesimi F. **Cardiology** 1982;69(2):61–9

Echocardiographic findings in endomyocardial fibrosis. Candell-Riera J, et al. **Chest** 1982 Jul;82(1):88–90

[Echocardiographic changes in 10 cases of left constrictive endomyocardial fibrosis isolated or bilateral with left-sided predominance] Diénot B, et al. **Arch Mal Coeur** 1981 Sep; 74(9):1063–70 (Eng. Abstr.) **(Fre)**

[Electrocardiography in endomyocardial fibrosis] Soria R, et al. **Arch Mal Coeur** 1982 Jan;75(1):65–72 (Eng. Abstr.) **(Fre)**

[Case of restrictive cardiomyopathy with eosinophilia not associated with tropical countries] Kwoczyński J, et al. **Pol Arch Med Wewn** 1981 Oct;66(4):319–28 (Eng. Abstr.) **(Pol)**

OCCURRENCE

Endomyocardial fibrosis in Kerala State. Nair DV. **Indian Heart J Teach Ser** 1980;(6):249–57

PATHOLOGY

Lymphocytic lymphoma, hypereosinophilia and endomyocardial fibrosis [clinical conference] Jacobs P, et al. **S Afr Med J** 1982 May 8;61(19):711–3

[Eosinophilic endocarditis and endomyocardial fibrosis—a report of 4 cases (author's transl)] Gu JN. **Chung Hua Hsin Hsueh Kuan Ping Tsa Chih** 1981 Dec; 9(4):273–4 **(Chi)**

[Clinical-pathological study in 2 cases of endomyocardial fibrosis (author's transl)] Qiu XN. **Chung Hua Hsin Hsueh Kuan Ping Tsa Chih** 1981 Dec; 9(4):270–2 **(Chi)**

[Acquired heart diseases. Endomyocardial disease] Okada R. **Nippon Rinsho** 1981 Sep;39(9):3116–7 **(Jpn)**

[Stereometric analysis of myocardial changes in acute experimental uremic syndrome] Szram S. **Patol Pol** 1981; 32(3):409–17 (Eng. Abstr.) **(Pol)**

PHYSIOPATHOLOGY

Skeletal muscle involvement in tropical endomyocardial fibrosis. Ashok PP, et al. **J Neurol Sci** 1982 Apr;54(1):1–12

RADIOGRAPHY

[Endomyocardial fibrosis—a radiologic study of four cases (author's transl)] Liu YQ, et al. **Chung Hua Hsin Hsueh Kuan Ping Tsa Chih** 1981 Dec; 9(4):266–9 (Eng. Abstr.) **(Chi)**

SURGERY

Management of endomyocardial fibrosis: successful surgical treatment of biventricular involvement and consideration of the superiority of operative intervention. Graham JM, et al. **Am Heart J** 1981 Oct;102(4):771–82

Successful surgical treatment of two patients with eosinophilic endomyocardial disease. Davies J, et al. **Br Heart J** 1981 Oct;46(4):438–45

Endomyocardial fibrosis: early and late results of surgery in 20 patients. Metras D, et al. **J Thorac Cardiovasc Surg** 1982 Jan;83(1):52–64

[Constrictive fibrous endocarditis : surgical treatment] Dubost C. **Acquis Med Recent** 1981;198:19–29 **(Fre)**

[Surgical treatment of constrictive endomyocardial fibrosis. Apropos of 15 cases] Métras D, et al. **Arch Mal Coeur** 1981 Aug;74(8):939–50 (Eng. Abstr.) **(Fre)**

ENDONUCLEASES

Differential interferometry in the analytical ultracentrifuge. II. General applications. Kondo T, et al. **Anal Biochem** 1981 Nov 1;117(2):374–81

TSH-treatment of thyroid slices increases the amount of DNA released from nuclei by mild DNase-I digestion. Abe Y, et al. **Biochem Biophys Res Commun** 1982 Apr 14; 105(3):1102–8

Fluorescent probe of ribonuclease A conformation. Jullien M, et al. **Biochemistry** 1981 Nov 24;20(24):7021–6

Fast- and slow-refolding forms of unfolded ribonuclease A differ in tyrosine fluorescence. Rehage A, et al. **Biochemistry** 1982 Mar 30;21(7):1499–505

The effect of guanidine hydrochloride on the conformation of bovine pancreatic DNAase I as measured with circular dichroism. Okabe N, et al. **Biochim Biophys Acta** 1982 Jan 18;700(2):165–70

CD properties of the fast- and slow-folding forms of unfolded ribonuclease A. Schmid FX. **FEBS Lett** 1982 Mar 22;139(2):190–2

Electron microscopical localization of nucleic acids by means of nuclease—gold complexes. Bendayan M. **Histochem J** 1981 Sep;13(5):699–710

Preliminary diffraction data for crystals of ribonucleases A and B and their complexes with deoxy(pA)4 and deoxy(pA)6. Brayer GD, et al. **J Biol Chem** 1982 Apr 10; 257(7):3359–61

Demonstration of the feasibility of observing nuclear magnetic resonance signals of 77Se covalently attached to proteins. Luthra NP, et al. **J Biol Chem** 1982 Feb 10; 257(3):1142–4

The refined crystal structure of ribonuclease A at 2.0 A resolution. Wlodawer A, et al. **J Biol Chem** 1982 Feb 10; 257(3):1325–32

The appearance of DNase I hypersensitive sites at the 5' end of the late SV40 genes is correlated with the transcriptional switch. Cremisi C. **Nucleic Acids Res** 1981 Nov 25; 9(22):5949–64

DNase I hypersensitive sites of the chromatin for Drosophila melanogaster ribosomal protein 49 gene. Wong YC, et al. **Nucleic Acids Res** 1981 Dec 21;9(24):6749–62

A salt bridge stabilizes the helix formed by isolated C-peptide of RNase A. Bierzynski A, et al. **Proc Natl Acad Sci USA** 1982 Apr;79(8):2470–4

Three-dimensional structure of the complex of skeletal muscle actin and bovine pancreatic DNAse I at 6-A resolution. Suck D, et al. **Proc Natl Acad Sci USA** 1981 Jul;78(7):4319–23

[Properties of protein released from mouse spleen nuclei under conditions of limited hydrolysis with DNase I and micrococcal nuclease] Karavanov AA, et al. **Mol Biol (Mosk)** 1981 Jan-Feb;15(1):220–33 (Eng. Abstr.) **(Rus)**

[Effect of nuclease S1 on DNA of the highly oncogenic simian adenovirus SA7(C8)] Zavizion BA, et al. **Mol Biol (Mosk)** 1982 May-Jun;16(3):569–74 (Eng. Abstr.) **(Rus)**

ANALYSIS

Sensitive detection of specific repair endonucleases: radial diffusion assay utilizing differential alkaline denaturation of supercoiled and nicked PM2 DNA in agarose gels. Hurley DL, et al. **Anal Biochem** 1981 Dec;118(2):371–81

Human ribonucleases. Quantitation of pancreatic-like enzymes in serum, urine, and organ preparations. Weickmann JL, et al. **J Biol Chem** 1982 Aug 10; 257(15):8705–10

Assay for (2'-5')-oligo(A)-dependent endonuclease activity. Baglioni C, et al. **Methods Enzymol** 1981;79(Pt B):249–57

Assay of double-stranded RNA-dependent endonuclease activity. Lewis JA, et al. **Methods Enzymol** 1981;79(Pt B):265–73

ANTAGONISTS & INHIBITORS

An improved method for determining the actin filament content of nonmuscle cells by the DNase I inhibition assay. Fox JE, et al. **Anal Biochem** 1981 Oct;117(1):170–7

The artifactual nature of fluoride inhibition of reverse transcriptase and associated ribonuclease H. Srivastava SK, et al. **Biochem Biophys Res Commun** 1981 Jul 16; 101(1):183–8

Identification of lysine residues in the binding domain of ribonuclease A for the RNase inhibitor from human placenta. Blackburn P, et al. **J Biol Chem** 1982 Jan 10; 257(1):316–21

Selective inhibition of RNase H by dextran. Dirksen ML, et al. **J Biol Chem** 1981 Nov 25;256(22):11569–73

Differential inhibition of DNA polymerase and RNase H activities of the reverse transcriptase by phosphonoformate. Margalith M, et al. **Mol Cell Biochem** 1982 Mar 19; 43(2):97–103

Selective inhibition by harmane of the apurinic apyrimidinic endonuclease activity of phage T4-induced UV endonuclease. Warner HR, et al. **Nucleic Acids Res** 1981 Nov 25;9(22):6083–92

Photoinactivation of enzymes by linear and angular furocoumarins. Veronese FM, et al. **Photochem Photobiol** 1982 Jul;36(1):25–30

BLOOD

Affinity labelling and characterization of the ppp(A2'p)nA-dependent endoribonuclease from different mammalian sources. Wreschner DH, et al. **Eur J Biochem** 1982 May 17;124(2):261–8

A radial diffusion assay for plasma and serum deoxyribonuclease I. Chitrabamrung S, et al. **Rheumatol Int** 1981;1(2):49–53

Serum deoxyribonuclease I and clinical activity in systemic lupus erythematosus. Chitrabamrung S, et al. **Rheumatol Int** 1981;1(2):55–60

CHEMICAL SYNTHESIS

Totally synthetic crystalline ribonuclease A. Yajima H, et al. **Biopolymers** 1981 Sep;20(9):1859–67

GENETICS

Papovavirus chromatin associated cellular endonuclease which introduces one double-strand cut in superhelical deoxyribonucleic acid. Waldeck W, et al. **Biochemistry** 1981 Jul 7;20(14):4203–9

Restriction map of bacteriophage SP02: ordering the SacI fragments and identification of the DNA termini. Yoneda Y, et al. **Gene** 1982 Mar;17(3):345–7

1980 Beaumont Lecture. Restriction enzymes as tools for genetic research. Smith HO. **Henry Ford Hosp Med J** 1980; 28(1):5–14

A mutation in the rnh-locus of Escherichia coli affects the structural gene for RNase H. Examination of the mutant and wild type protein. Arendes J, et al. **J Biol Chem** 1982 May 10;257(9):4719–22

Processing of bacteriophage T4 tRNAs. The role of RNAase III. Pragai B, et al. **J Mol Biol** 1981 Dec 15;153(3):619–30

den V gene of bacteriophage T4 codes for both pyrimidine dimer-DNA glycosylase and apyrimidinic endonuclease activities. McMillan S, et al. **J Virol** 1981 Oct;40(1):211–23

Apurinic endonuclease from Drosophila melanogaster: reduced enzymatic activity in excision-deficient mutants of the mei-9 and mus(2)201 Loci. Osgood CJ, et al. **MGG** 1982;186(2):235–9

Genetic mapping of mutation in Escherichia coli leading to a temperature-sensitive RNase D. Zaniewski R, et al. **MGG** 1982;185(1):142–7

Single base substitution in an intron of oxidase gene compensates splicing defects of the cytochrome b gene. Dujardin G, et al. **Nature** 1982 Aug 12;298(5875):628–32

Mitochondrial mosaics-maturases on the move [news] Grivell LA, et al. **Nature** 1982 Aug 19;298(5876):703–4

Gene II of phage f1: its functions and its products. Dotto GP, et al. **Proc Natl Acad Sci USA** 1981 Sep;78(9):5421–24

ISOLATION & PURIFICATION

An enzyme activity from Escherichia coli that attacks single-stranded deoxyribopolymers and single-stranded deoxyribonucleic acid containing apyrimidinic sites. Bonura T, et al. **Biochemistry** 1982 May 11;21(10):2548–56

Purification and some properties of a deoxyribonucleic acid endonuclease endogenous to rat liver chromatin. Machray GC, et al. **Biochemistry** 1981 Sep 15;20(19):5466–70

Purification and properties of two endonucleases specific for apurinic/apyrimidinic sites in DNA from Saccharomyces cerevisiae. Akhmedov AT, et al. **Biochim Biophys Acta** 1982 Feb 26;696(2):163–70

Purification and properties of a neutral endodeoxyribonuclease from guinea pig epidermis. Anai M, et al. **Biochim Biophys Acta** 1981 Dec 28;656(2):183–8

Endoplasmic reticulum nuclease. Purification and specificity. Kouidou S, et al. **Eur J Biochem** 1981 Nov;120(1):9–14

Purification and properties of an endonuclease from the mitochondrion of Saccharomyces cerevisiae. Rosamond J. **Eur J Biochem** 1981 Dec;120(3):541–6

Base-excision repair in carrot cells. Partial purification and characterization of uracil-DNA glycosylase and apurinic/apyrimidinic endodeoxyribonuclease. Talpaert-Borlè M, et al. **Eur J Biochem** 1982 Jun; 124(3):435–40

An affinity adsorbent, 5'-adenylate-aminohexyl-sepharose. II. Purification and characterization of multi-forms of RNase T2. Kanaya S, et al. **J Biochem (Tokyo)** 1981 Aug; 90(2):473–81

A novel endonuclease specified by bacteriophage lambda. Purification and properties of the enzyme. Benchimol S, et al. **J Biol Chem** 1982 May 10;257(9):5211–9

The subunit structure of calf thymus ribonuclease H i as revealed by immunological analysis. Büsen W. **J Biol Chem** 1982 Jun 25;257(12):7106–8

Purification and characterization of normal and mutant forms of T4 endonuclease V. Nakabeppu Y, et al. **J Biol Chem** 1982 Mar 10;257(5):2556–62

Apurinic DNA endonucleases from Drosophila melanogaster embryos. Spiering AL, et al. **MGG** 1981;183(1):171–4

[Serratia marcescens endonuclease. Properties of the enzyme] Filimonova MN, et al. **Biokhimiia** 1981 Sep;46(9):1660–6 (Eng. Abstr.) **(Rus)**

[New site-specific endonuclease from Streptomyces: SGRII] Orekhov AV, et al. **Dokl Akad Nauk SSSR** 1982; 263(1):217–20 **(Rus)**

METABOLISM

Tb3+ as a luminescent probe of actin structure: effects of polymerization, KI, and the binding of deoxyribonuclease I. Burtnick LD. **Arch Biochem Biophys** 1982 Jun; 216(1):81–7

S1 nuclease of Aspergillus oryzae: characterization of the associated phosphomonoesterase activity. Oleson AE, et al. **Arch Biochem Biophys** 1981 Oct 1;211(1):478–84

Virus-mediated inhibition of the ppp(A2'p)nA system and its prevention by interferon. Cayley PJ, et al. **Biochem Biophys Res Commun** 1982 Jan 29;104(2):376–82

Isolated Entamoeba histolytica actin does not inhibit DNAse-I activity. Gadasi H. **Biochem Biophys Res Commun** 1982 Jan 15;104(1):158–64

Some factors affecting the interaction between actin in leukemic L1210 cells and DNASE I. Malicka-Blaszkiewicz M, et al. **Biochem Biophys Res Commun** 1981 Sep 30; 102(2):594–601

Stimulation of bull seminal Ca2+, Mg2+-dependent

endonuclease by various DNA-binding proteins. Yoshihara K, et al. **Biochem Biophys Res Commun** 1982 Jun 15; 106(3):803–10

Differential sensitization to deoxyribonuclease I of Xenopus vitellogenin and albumin genes during primary and secondary induction of vitellogenesis by oestradiol. Dimitriadis GJ, et al. **Biochem J** 1982 Feb 15;202(2):491–7

Apurinic endonuclease from Saccharomyces cerevisiae. Thielmann HW, et al. **Biochem J** 1981 May 1;195(2):407–17

Thermodynamic and kinetic examination of protein stabilization by glycerol. Gekko K, et al. **Biochemistry** 1981 Aug 4;20(16):4677–86

Modification of bovine pancreatic ribonuclease A with the site-specific reagent 4-arsono-2-nitrofluorobenzene. Spectrophotometric titration of arsononitrophenyl ribonuclease A derivatives. Hummel CF, et al. **Biochemistry** 1981 Aug 18;20(17):4843–52

Regeneration of ribonuclease A from the reduced protein. Isolation and identification of intermediates, and equilibrium treatment. Konishi Y, et al. **Biochemistry** 1981 Jul 7;20(14):3945–55

Both parental deoxyribonucleic acid strands at each replication fork of replicating simian virus 40 chromosomes are cut by a single-strand-specific endonuclease. Tsubota Y, et al. **Biochemistry** 1982 May 25;21(11):2713–8

Histone acetylation and the deoxyribonuclease I sensitivity of the Tetrahymena ribosomal gene. Vavra KJ, et al. **Biochemistry** 1982 Apr 13;21(8):1772–81

1H-NMR studies on the binding subsites of bovine pancreatic ribonuclease A. Arús C, et al. **Biochim Biophys Acta** 1981 Jul 24;660(1):117–27

Loss of thymine dimers from mammalian cell DNA. The kinetics for antibody-binding sites are not the same as that for T4 endonuclease V sites. Mitchell DL, et al. **Biochim Biophys Acta** 1982 Jun 30;697(3):270–7

Efficiency of T4 DNA ligase-catalyzed end joining after S1 endonuclease treatment on duplex DNA containing single-stranded portions. Shishido K, et al. **Biochim Biophys Acta** 1981 Nov 27;656(1):123–7

S1 nuclease does not cleave DNA at single-base mis-matches. Silber JR, et al. **Biochim Biophys Acta** 1981 Dec 28;656(2):256–64

Purification of a base-specific ribonuclease Ru from Rhizopus niveus. Horitsu H, et al. **Can J Biochem** 1980 Jun; 58(6):489–93

Changes in endonuclease activity and in chromatin structure of rat hepatocytes during fetal and neonatal life. Rossi R, et al. **Cell Differ** 1982 Apr;11(2):91–8

Partial P1 nuclease digestion as a probe of tRNA structure. Aultman KS, et al. **Eur J Biochem** 1982 Jun;124(3):471–6

Influence of the structure of water on the hydrolysis of cytidine 2',3'-phosphate catalysed by bovine pancreatic ribonuclease A. Biosca JA, et al. **Eur J Biochem** 1982 May; 124(1):151–6

Endonucleases in yeast mitochondria: apurinic and manganese-stimulated deoxyribonuclease activities in the inner mitochondrial membrane of Saccharomyces cerevisiae. Foury F. **Eur J Biochem** 1982 May 17; 124(2):253–9

Temperature dependence of the activity of DNA-modifying enzymes: endonucleases and DNA ligase. Pohl FM, et al. **Eur J Biochem** 1982 Mar;123(1):141–52

Dimerization of deoxyribonuclease I, lysozyme and papain. Effects of ionic strength on enzymic activity. Sorrentino S, et al. **Eur J Biochem** 1982 May;124(1):183–9

Localization of the phosphoester bond hydrolyzed by the major apurinic/apyrmidinic endodeoxyribonuclease from rat-liver chromatin. Verly WG, et al. **Eur J Biochem** 1981 Aug;118(1):195–201

Mammalian DNA-repair endonuclease acts only on supercoiled DNA. Helland D, et al. **FEBS Lett** 1982 Jun 1;142(1):121–4

Nucleodisome – a new repeat unit of chromatin revealed in nuclei of pigeon erythrocytes by DNase I digestion. Khachatrian AT, et al. **FEBS Lett** 1981 Jun 1;128(1):90–2

Digestion of chromatin to H1-depleted 166 basepair particles by Ca2+/Mg2+-dependent endonuclease. Klingholz R, et al. **FEBS Lett** 1982 Mar 8;139(1):105–8

An enzymatic approach for localization of oligodeoxyribonucleotide binding sites on RNA. Application to studying rRNA topography. Mankin AS, et al. **FEBS Lett** 1981 Aug 31;131(2):253–6

[Methyl-3H]thymidine in DNA induces lesions which are recognized by a mammalian DNA-repair endonuclease. Nes IF. **FEBS Lett** 1981 Oct 26;133(2):217–20

Phosphorylation and activation of poly (A)-endoribonuclease from calf thymus gland. Tsiapalis CM, et al. **FEBS Lett** 1982 Apr 19;140(2):213–8

RNase III cleavage of Escherichia coli beta-galactosidase and tryptophan operon mRNA. Shen V, et al. **J Bacteriol** 1982 Jun;150(3):1489–94

Nuclear location of ribonuclease H and increased level of magnesium-dependent ribonuclease H in rat liver on thioacetamide treatment. Sawai Y, et al. **J Biochem (Tokyo)** 1981 Jul;90(1):11–6

Site-specific endo-deoxyribonucleases in eukaryotes: endonucleases of yeasts, Saccharomyces and Pichia. Watabe H, et al. **J Biochem (Tokyo)** 1981 Dec;90(6):1623–32

Precise location of two promoters for the beta-lactamase gene of pBR322. S1 mapping of ribonucleic acid isolated from Escherichia coli or synthesized in vitro. Brosius J, et al. **J Biol Chem** 1982 Aug 10;257(15):9205–10

On the recognition and cleavage mechanism of Escherichia coli endodeoxyribonuclease V, a possible DNA repair enzyme. Demple B, et al. **J Biol Chem** 1982 Mar 25; 257(6):2848–55

Partially oxidized active intermediates in refolding of reduced ribonuclease. Garel AT, et al. **J Biol Chem** 1982 Apr 25; 257(8):4031–3

Action of mung bean nuclease on supercoiled PM2 DNA. Kowalski D, et al. **J Biol Chem** 1982 Jul 10;257(13):7820–5

Characterization of the action of Escherichia coli DNA polymerase I at incisions produced by repair endodeoxyribonucleases. Mosbaugh DW, et al. **J Biol Chem** 1982 Jan 10;257(1):575–83

Role of actin and tubulin in the regulation of poly(A) polymerase-endoribonuclease IV complex from calf thymus. Schröder HC, et al. **J Biol Chem** 1982 Mar 10; 257(5):2305–9

Chromatin structure of the chicken beta-globin gene region. Sensitivity to DNase I, micrococcal nuclease, and DNase II. Wood WI, et al. **J Biol Chem** 1982 Jul 10;257(13):7730–6

Processing of RNA in Escherichia coli is limited in the absence of ribonuclease III, ribonuclease E and ribonuclease P. Plautz G, et al. **J Mol Biol** 1981 Jul 15; 149(4):813–9

RNAase P is dependent on RNAase E action in processing monomeric RNA precursors that accumulate in an RNAase E- mutant of Escherichia coli. Ray BK, et al. **J Mol Biol** 1981 Jul 15;149(4):599–617

The repair of DNA damage: recent developments and new insights. Friedberg EC, et al. **J Supramol Struct Cell Biochem** 1981;16(1):91–103

Nucleotide sequences at the phi X gene A protein cleavage site in replicative form I DNAs of bacteriophages U3, G14, and alpha 3. Heidekamp F, et al. **J Virol** 1982 Apr; 42(1):91–9

Properties of an intracisternal A-particle-associated endonuclease activity which is stimulated by ATP. Nissen-Meyer J, et al. **J Virol** 1981 Dec;40(3):927–31

Evidence that the UV endonuclease activity induced by bacteriophage T4 contains both pyrimidine dimer-DNA glycosylase and apyrimidinic/apurinic endonuclease activities in the enzyme molecule. Warner HR, et al. **J Virol** 1981 Oct;40(1):204–10

Studies on the catalytic properties of the calcium-dependent endoribonuclease of Trypanosoma brucei cytoplasm. Gbenle GO, et al. **Mol Biochem Parasitol** 1982 Apr; 5(4):213–20

The DNase I sensitivity of Xenopus laevis genes transcribed by RNA polymerase III. Coveney J, et al. **Nature** 1982 Aug 5;298(5874):578–80

Shotgun DNA sequencing using cloned DNase I-generated fragments. Anderson S. **Nucleic Acids Res** 1981 Jul 10; 9(13):3015–27

Avian erythrocyte chromatin degradation: the progressive exposure of the dinucleosomal repeat by bovine-pancreatic-DNAase-I-armed probes and free DNAase-I. Burgoyne LA, et al. **Nucleic Acids Res** 1982 Jan 22;10(2):665–73

Quantitation of DNase I sensitivity in Xenopus chromatin containing active and inactive globin, albumin and vitellogenin genes. Felber BK, et al. **Nucleic Acids Res** 1981 Jun 11;9(11):2455–74

Release of a globin gene enriched chromatin fraction from chicken erythrocyte nuclei following DNase II digestion. Goldsmith ME. **Nucleic Acids Res** 1981 Dec 11; 9(23):6471–85

Discriminatory function of ribonuclease H in the selective initiation of plasmid DNA replication. Hillenbrand G, et al. **Nucleic Acids Res** 1982 Feb 11;10(3):833–52

DNase II digestion of the nucleosome core: precise locations and relative exposures of sites. Lutter LC. **Nucleic Acids Res** 1981 Sep 11;9(17):4251–65

Deoxyribonuclease II as a probe to sequence-specific chromatin organization: preferential cleavage in the 72 bp modulator sequence of SV40 minichromosome. Shakhov AN, et al. **Nucleic Acids Res** 1982 Jul 10;10(13):3951–65

Differences in the nuclease sensitivity between the two alleles of the immunoglobulin kappa light chain genes in mouse liver and myeloma nuclei. Weischet WO, et al. **Nucleic Acids Res** 1982 Jun 25;10(12):3627–45

Characterization and mapping of RNase III cleavage sites in VSV genome RNA. Wertz GW, et al. **Nucleic Acids Res** 1981 Dec 11;9(23):6487–503

Bacteriophage lambda DNA packaging: scanning for the terminal cohesive end site during packaging. Feiss M, et al. **Proc Natl Acad Sci USA** 1982 Jun;79(11):3498–502

Murine erythroleukemia cell differentiation: DNase I hypersensitivity and DNA methylation near the globin genes. Sheffery M, et al. **Proc Natl Acad Sci USA** 1982 Feb;79(4):1180–4

Studies on the function of gene 49 controlled endonuclease of phage T4 (endonuclease VII). Kemper B, et al. **Prog Clin Biol Res** 1981;64:151–66

[DNase II activation in rat liver in the course of acute diethylnitrosamine-induced damage (author's transl)] Schmerold I, et al. **Arch Toxicol** 1981 Sep;48(2-3):183–97 (Eng. Abstr.) **(Ger)**

[Steric requirements for the carboxymethylation of His 12 in ribonuclease A studied by 2'- and 3'-bromoacetylesters of modified nucleosides (author's transl)] Bellmann B, et al. **Hoppe Seylers Z Physiol Chem** 1981 Nov; 362(11):1539–49 (Eng. Abstr.) **(Ger)**

[Specific effect of endonucleases from Brevibacterium ammoniagenes on DNA] Basnak'ian AG, et al. **Biokhimiia** 1981 Jul;46(7):1307–14 (Eng. Abstr.) **(Rus)**

[Extracellular RNAase Pch2 of Penicillium chrysogenum 152A: purification, specificity and physico-chemical properties] Markelova NIu, et al. **Biokhimiia** 1981 Oct; 46(10):1847–54 (Eng. Abstr.) **(Rus)**

[Substrate specificity of Ca2+,Mg2+-dependent DNAase from sea urchin (Strongylocentrotus intermedius) embryos] Menzorova NI, et al. **Biokhimiia** 1981 May;46(5):872–80 (Eng. Abstr.) **(Rus)**

[Small nucleosome as a possible structural element of chromatin detectable by Ca, Mg-endonouclease] Miul'berg AA, et al. **Dokl Akad Nauk SSSR** 1981;259(2):492–5 **(Rus)**

[Enzymatic DNA synthesis on a procollagen mRNA matrix from human fibroblasts] Ryskov AP, et al. **Genetika (Moskva)** 1981;17(8):1390–7 **(Rus)**

[Nuclease S1 for DNA molecular weight determination in multiplasmid Escherichia coli strains] Drygin IuF, et al. **Mol Biol (Mosk)** 1982 May-Jun;16(3):633–6 (Eng. Abstr.) **(Rus)**

[Inhibition of chromatin autolysis in the process of isolating and incubating rat liver cell nuclei] Khodarev NN, et al. **Vopr Med Khim** 1981;27(4):538–44 (Eng. Abstr.) **(Rus)**

PHARMACODYNAMICS

Accessibility of some regions of chromatin of leukemic chicken cells to single strand nuclease S1. Leibovitch SA, et al. **Biochem Biophys Res Commun** 1981 Aug 14; 101(3):719–26

The effect of micrococcal nuclease and DNAase I on bulk and 5 S RNA synthesis in isolated HeLa cell nuclei. Kohno K, et al. **Biochim Biophys Acta** 1981 Jun 26;654(1):142–8

In vitro enzymatic recognition of DNA modified by O,O'-diacetyl or O-acetyl derivatives of the carcinogen 4-hydroxyaminoquinoline-1-oxide. Galiègue S, et al. **Carcinogenesis** 1982;3(4):435–8

DNAase I sensitivity and methylation of active versus inactive rRNA genes in xenopus species hybrids. Macleod D, et al. **Cell** 1982 May;29(1):211–8

Accessibility of metaphase chromosomes from Chinese hamster ovary cells to DNase II. Fittler F, et al. **FEBS Lett** 1981 Sep 28;132(2):341–3

Chromosome-bound mitotic factors: release by endonucleases. Adlakha RC, et al. **Nucleic Acids Res** 1982 Jul 10;10(13):4107–17

DNAase I sensitivity of genes expressed during myogenesis. Carmon Y, et al. **Nucleic Acids Res** 1982 May 25; 10(10):3085–98

Active genes are sensitive to deoxyribonuclease I during metaphase. Gazit B, et al. **Science** 1982 Aug 13; 217(4560):648–50

DNase I sensitivity of endogenous and exogenous proviral genome copies in M-MuLV-induced tumors of Mov-3 Mice. Breindl M, et al. **Virology** 1982 May;119(1):204–8

[Antiviral activity of modified RNAses] Alekseeva II, et al. **Antibiotiki** 1982 May;27(5):341–8 (Eng. Abstr.) **(Rus)**

[Small nucleosome as a possible structural element of chromatin detectable by Ca, Mg-endonouclease] Miul'berg AA, et al. **Dokl Akad Nauk SSSR** 1981;259(2):492–5 **(Rus)**

[Action of hydrolytic enzymes on influenza virus A ribonucleoprotein] Smirnov IuA, et al. **Vopr Virusol** 1981 Jul-Aug;(4):477–81 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

Shope fibroma virus. II. Role of the virion-associated nucleases. Pogo BG, et al. **J Virol** 1982 Jan;41(1):104–9

RADIATION EFFECTS

Effect of dilution on thermal neutron induced inactivation of deoxyribonuclease I. Akaboshi M, et al. **Int J Radiat Biol** 1982 Jul;42(1):99–104

Characterization of ribonuclease A irradiated with gamma-rays in the presence of cytidylic acid with respect to the interaction of the enzyme with folic acid. Sawada F, et al. **J Radiat Res (Tokyo)** 1981 Sep;22(3):367–72

THERAPEUTIC USE

[Antitumor action of RNAses modified by covalent binding with dextran m-aminobenzylhydroxymethyl ether] Kurinenko BM, et al. **Antibiotiki** 1982 May;27(5):336–41 (Eng. Abstr.) **(Rus)**

ENDOPEPTIDASES see **PEPTIDE PEPTIDOHYDROLASES**

ENDOPLASMIC RETICULUM

ANALYSIS

Optical diffraction analysis of crystalline inclusions in the rough endoplasmic reticulum of islet parenchymal cells of the hagfish, Myxine glutinosa. Raška I, et al. **Cell Tissue Res** 1982 Jul;225(2):461–4

Integral peptides isolated from rat liver preparations enriched with smooth endoplasmic membrane. Slizowska-Bernaś K, et al. **Folia Histochem Cytochem (Krakow)** 1981; 19(4):209–15

Molecular cloning of cDNA sequences transcribed from

mouse liver endoplasmic reticulum poly(A)mRNA. Clissold PM, et al. **Gene** 1981 Nov;15(2–3):225–35

Endoplasmic reticulum membrane isolated from small-intestinal epithelial cells: enzyme and protein components. Fujita M, et al. **J Cell Sci** 1981 Dec;52:215–22

The characterization of tubulin in CNS membrane fractions. Strocchi P, et al. **J Neurochem** 1981 Nov;37(5):1295–307

Analysis of the phospholipid of the nuclear envelope and endoplasmic reticulum of liver cells by high pressure liquid chromatography. James JL, et al. **Lipids** 1981 Jul; 16(7):541–5

Fatty acid content and composition of phospholipids from the endoplasmic reticulum in developing rat liver. Dhami MS, et al. **Res Commun Chem Pathol Pharmacol** 1981 Apr; 32(1):99–111

[Study of lipid composition of mitochondrial and endoplasmic membranes by horizontal flow chromatography] Kargapolov AV. **Biokhimiia** 1981 Apr; 46(4):691–8 (Eng. Abstr.) **(Rus)**

[Fatty-acid composition of lipids and physicochemical characteristics of membrane fractions and the membrane of endoplasmic reticulum of thymus\ and Pliss' lymphosarcoma] Sherban SD, et al. **Ukr Biokhim Zh** 1982 May–Jun;54(3):298–306 (Eng. Abstr.) **(Rus)**

[Protein composition of the endoplasmic reticulum of normal rat liver cells and after exposure to the carcinogen N-nitrosodiethylamine] Berdinskikh NK, et al. **Vestn Akad Med Nauk SSSR** 1982;(3):48–52 (Eng. Abstr.) **(Rus)**

[Lipid component of endoplasmic reticulum membranes in rat liver during carcinogenesis induced by nitrosodiethylamine] Berdinskikh NK, et al. **Vestn Akad Med Nauk SSSR** 1982;(3):53–7 (Eng. Abstr.) **(Rus)**

DRUG EFFECTS

Properties of cerebral polyribosomes and membranes of the rough endoplasmic reticulum after ethanol dependence in rats. Fleming EW, et al. **Alcoholism (NY)** 1981 Summer; 5(3):400–9

Interferon as a cause of endoplasmic reticulum abnormalities within hepatocytes in newborn mice. Moss J, et al. **Br J Exp Pathol** 1982 Feb;63(1):43–9

ENZYMOLOGY

The use of proteinases to determine the topological location of cytochrome P-450 in vesicles derived from smooth endoplasmic reticulum of rat liver. Cooper MB, et al. **Biochem J** 1981 May 15;196(2):585–9

The sidedness of carnitine acetyltransferase and carnitine octanoyltransferase of rat liver endoplasmic reticulum. Valkner KJ, et al. **Biochim Biophys Acta** 1982 Jul 14; 689(1):73–9

Viral hepatic diseases and microsomal arylamidase activity in liver tissue. Itoh S, et al. **Digestion** 1981;22(2):57–60

Endoplasmic reticulum nuclease. Purification and specificity. Kouidou S, et al. **Eur J Biochem** 1981 Nov;120(1):9–14

Rough endoplasmic reticulum–mitochondrial complexes from rat liver. An extramitochondrial succinic dehydrogenase associated with this rough endoplasmic reticulum. Cascarano J, et al. **Exp Cell Res** 1982 May; 139(1):39–50

Endogenous localization of UDP-galactose:asialomucin galactosyltransferase activity in rat liver endoplasmic reticulum and Golgi apparatus. Andersson GN, et al. **J Biol Chem** 1981 Sep 25;256(18):9633–9

Purification and characterization of glucosidase II, an endoplasmic reticulum hydrolase involved in glycoprotein biosynthesis. Burns DM, et al. **J Biol Chem** 1982 Sep 10; 257(17):9990–10000

Orientation of the active site and antigenic determinants of prostaglandin endoperoxide synthase in the endoplasmic reticulum. DeWitt DL, et al. **J Biol Chem** 1981 Oct 25; 256(20):10375–82

The relationships between the Golgi apparatus, GERL, and lysosomes of fetal rat liver Kupffer cells examined by ultrastructural phosphatase cytochemistry. Pino RM, et al. **J Histochem Cytochem** 1981 Sep;29(9):1061–70

Peroxidatic activity in endoplasmic reticulum of normal human Langerhans cells. Dubertret L, et al. **J Reticuloendothel Soc** 1981 Oct;30(4):313–6

[Changes in the enzyme activity of the hydroxylating system of the rat liver endoplasmic reticulum in ischemia] Voronov GG, et al. **Farmakol Toksikol** 1982 Jan–Feb;45(1):54–8 (Eng. Abstr.) **(Rus)**

IMMUNOLOGY

Membrane insertion and oligomeric assembly of HLA-DR histocompatibility antigens. Kvist S, et al. **Cell** 1982 May; 29(1):61–9

HBsAg-induced hypertrophic smooth endoplasmic reticulum as a target for liver-kidney microsomal (LKM) antibodies. Ballardini G, et al. **Clin Exp Immunol** 1981 Mar; 43(3):599–604

Physical separation and biochemical characterization of H-2b-encoded proteins on target cell plasma membranes and endoplasmic reticulum. Gilmer PJ. **J Biol Chem** 1982 Jul 10;257(13):7839–46

Antibodies to the Golgi complex and the rough endoplasmic reticulum. Louvard D, et al. **J Cell Biol** 1982 Jan; 92(1):92–107

METABOLISM

Transport of an immunoglobulin light chain fragment across the endoplasmic reticulum does not require an amino terminal variable region: implications for the signal hypothesis. Fetherston J, et al. **Biochem Biophys Res Commun** 1982 Feb 26;104(4):1630–7

Effect of lysine and threonine deficient and supplement rice diets on lipids of hepatic smooth and rough endoplasmic reticulum of rats. Srivastava N, et al. **Biochem Exp Biol** 1980;16(4):443–4

Reconstitution into liposomes of membrane proteins involved in ribosome binding on rough endoplasmic reticulum. Ribosome-binding capacity. Yamaguchi M, et al. **Biochem J** 1981 Mar 15;194(3):907–13

1,1-Dichloroethylene inhibition of liver endoplasmic reticulum calcium pump function. Moore L. **Biochem Pharmacol** 1982 Apr 1;31(7):1463–5

Differentiation of Ca2+ pumps linked to plasma membrane and endoplasmic reticulum in the microsomal fraction from intestinal smooth muscle. Wibo M, et al. **Biochim Biophys Acta** 1981 Dec 21;649(3):651–60

Effect of manganese ions on the interaction between ribosomes and endoplasmic reticulum membranes isolated from rat liver. Donaldson SG, et al. **Biosci Rep** 1981 Sep; 1(9):727–31

Compartmentalized assembly of oligosaccharides on exported glycoproteins in yeast. Esmon B, et al. **Cell** 1981 Aug; 25(2):451–60

Alterations in the enzyme activity and polypeptide composition of rat hepatic endoplasmic reticulum during acute exposure to 2-acetylaminofluorene. Kaderbhai MA, et al. **Chem Biol Interact** 1982 Apr;39(3):279–99

Variations in the glucuronidation rate and in the composition of the endoplasmic reticulum of the wild and semi-domestic reindeer (Rangifer tarandus). Laitinen M, et al. **Comp Biochem Physiol [B]** 1982;71(3):527–30

Different modes of membrane interactions of the signal sequence of carp preproinsulin and of the insertion sequence of rabbit cytochrome b5. Bendzko P, et al. **Eur J Biochem** 1982 Mar;123(1):121–6

An alternative pathway for secretion of lipoprotein particles in rat liver. Morré DJ. **Eur J Cell Biol** 1981 Dec;26(1):21–5

Kinetics of appearance of lipoprotein particles in perisinusoidal cisternae of smooth endoplasmic reticulum of isolated rat livers perfused with free fatty acid. Twaddle ML, et al. **Eur J Cell Biol** 1981 Dec;26(1):26–34

Calmodulin-sensitive ATP-dependent calcium transport by the rat parotid endoplasmic reticulum. Kanagasuntheram P, et al. **FEBS Lett** 1982 May 17;141(2):233–6

Active calcium uptake by islet-cell endoplasmic reticulum. Colca JR, et al. **J Biol Chem** 1982 Jun 25;257(12):7223–8

Signal recognition protein is required for the integration of acetylcholine receptor delta subunit, a transmembrane glycoprotein, into the endoplasmic reticulum membrane. Anderson DJ, et al. **J Cell Biol** 1982 May;93(2):501–6

Role of the endoplasmic reticulum in the synthesis of reserve proteins and the kinetics of their transport to protein bodies in developing pea cotyledons. Chrispeels MJ, et al. **J Cell Biol** 1982 Apr;93(1):5–14

Assembly of storage protein oligomers in the endoplasmic reticulum and processing of the polypeptides in the protein bodies of developing pea cotyledons. Chrispeels MJ, et al. **J Cell Biol** 1982 May;93(2):306–13

Characterization of molecules involved in protein translocation using a specific antibody. Meyer DI, et al. **J Cell Biol** 1982 Feb;92(2):579–83

Translocation of proteins across the endoplasmic reticulum. II. Signal recognition protein (SRP) mediates the selective binding to microsomal membranes of in-vitro-assembled polysomes synthesizing secretory protein. Walter P, et al. **J Cell Biol** 1981 Nov;91(2 Pt 1):551–6

Translocation of proteins across the endoplasmic reticulum III. Signal recognition protein (SRP) causes signal sequence-dependent and site-specific arrest of chain elongation that is released by microsomal membranes. Walter P, et al. **J Cell Biol** 1981 Nov;91(2 Pt 1):557–61

Translocation of proteins across the endoplasmic reticulum. I. Signal recognition protein (SRP) binds to in-vitro-assembled polysomes synthesizing secretory protein. Walter P, et al. **J Cell Biol** 1981 Nov;91(2 Pt 1):545–50

Effect of diabetes and insulin replacement on the lipid properties of hepatic smooth endoplasmic reticulum. Holloway CT, et al. **Lipids** 1981 Jul;16(7):525–32

biosynthesis of pre-proparathyroid hormone. Habener JF, et al. **Methods Cell Biol** 1981;23:51–71 (35 ref.)

Synthesis and processing of asparagine-linked oligosaccharides of glycoproteins. Snider MD, et al. **Methods Cell Biol** 1981;23:89–100 (38 ref.)

[Glycoconjugates biosynthesis of plasma membranes of mammalian cells (author's transl)] Sawicka T. **Postepy Biochem** 1981;27(2):157–79 (180 ref.) **(Pol)**

[Participation of the lipid peroxidation process in the mechanisms of rhythmic circadian changes of cytochrome P-450 content in the liver endoplasmic reticulum membranes] Kagan VE, et al. **Biol Nauki** 1981;(11):26–9 **(Rus)**

MICROBIOLOGY

Properties of an intracisternal A-particle-associated endonuclease activity which is stimulated by ATP. Nissen-Meyer J, et al. **J Virol** 1981 Dec;40(3):927–31

PATHOLOGY

Nature, pathogenesis and significance of the Mallory body. French SW. **Semin Liver Dis** 1981 Aug;1(3):217–31 (168 ref.)

PHYSIOLOGY

[Role of endoplasmic reticulum in the secretion of prolactin (author's transl)] Tougard C, et al. **Ann Endocrinol (Paris)** 1981 Oct–Nov;42(4–5):342–8 (Eng. Abstr.) **(Fre)**

[The nucleolus as a possible site of endoplasmic reticulum formation] Mosolov AN, et al. **Biofizika** 1981 Sep–Oct; 26(5):834–8 (Eng. Abstr.) **(Rus)**

ULTRASTRUCTURE

Response of rat aortic adventitial fibroblasts to oestradiol treatment in vivo. Role of the cell tubulin system. Chaldakov GN, et al. **Acta Morphol Acad Sci Hung** 1982; 30(1):27–34

Effects of glucagon on hepatic glycogen and smooth endoplasmic reticulum. Striffler J, et al. **Am J Anat** 1981 Apr;160(4):363–79

Inhibition and recovery of testosterone secretion in rats are tightly coupled to quantitative changes in Leydig cell smooth endoplasmic reticulum. Zirkin BR, et al. **Ann NY Acad Sci** 1982;383:17–28

Isolation and characterization of rough endoplasmic reticulum associated with mitochondria from normal rat liver. Meier PJ, et al. **Biochim Biophys Acta** 1981 Aug 20; 646(2):283–97

Tubular complexes of endoplasmic reticulum in lymphoblastic lymphoma: case report. Chu H, et al. **Cancer** 1982 Apr 15;49(8):1629–35

Appearance of dense granules in the rough endoplasmic reticulum of the juxtaglomerular cells in mice administered with captopril. Kaneta M, et al. **Cell Tissue Res** 1981; 220(1):219–22

Subsurface cisterns and lamellar bodies in the granule cells of the guinea-pig fascia dentata. Kolde G, et al. **Cell Tissue Res** 1982;223(2):455–61

Quantitative topography of organelles in the liver. A combined histochemical and morphometric analysis. Riede UN, et al. **Cell Tissue Res** 1981;221(1):209–20

Freeze-fracture study on the whorls of rough endoplasmic reticulum in the exocrine pancreatic cells of the Japanese newt and African clawed toad. Taira K, et al. **Cell Tissue Res** 1981;220(3):669–72

Differentiation of endoplasmic reticulum in the developing oocyte of the golden hamster (Mesocricetus auratus). Weakley BS, et al. **Cell Tissue Res** 1982;223(1):127–39

Crystalline inclusions within rough endoplasmic reticulum and perinuclear space of human lymphocytes. Sun CN, et al. **Cytologia (Tokyo)** 1982 Mar;47(1):219–25

Organelle-cytoskeleton relationships in fibroblasts: mitochondria, Golgi apparatus, and endoplasmic reticulum in phases of movement and growth. Couchman JR, et al. **Eur J Cell Biol** 1982 Apr;27(1):47–54

The structure of the endoplasmic reticulum revealed by osmium tetroxide–potassium ferricyanide staining. Hepler PK. **Eur J Cell Biol** 1981 Dec;26(1):102–11

Polypeptide and phospholipid composition of the membrane of rat liver peroxisomes: comparison with endoplasmic reticulum and mitochondrial membranes. Fujiki Y, et al. **J Cell Biol** 1982 Apr;93(1):103–10

Relationship between peroxisomes and endoplasmic reticulum investigated by combined catalase and glucose-6-phosphatase cytochemistry. Shio H, et al. **J Histochem Cytochem** 1981 Nov;29(11):1263–72

In 'undifferentiated' PC12 cells, GERL is not segregated from the Golgi apparatus. Burchanowski BJ, et al. **J Neurocytol** 1982 Apr;11(2):323–33

Smooth endoplasmic reticulum and other agranular reticulum in frog retinal photoreceptors. Mercurio AM, et al. **J Neurocytol** 1982 Apr;11(2):263–93

Appearance of crystalloid endoplasmic reticulum in compactin-resistant Chinese hamster cells with a 500-fold increase in 3-hydroxy-3-methylglutaryl-coenzyme A reductase. Chin DJ, et al. **Proc Natl Acad Sci USA** 1982 Feb;79(4):1185–9

Three-dimensional microanatomy of intracellular structures. Tanaka K, et al. **Prog Clin Biol Res** 1981;59B:1–9

Morphologic aspects of transepithelial transport with special reference to the endoplasmic reticulum. Møllgård K, et al. **Soc Gen Physiol Ser** 1981;36:209–31

Undulating arrays of endoplasmic reticulum in the spermatids of an opisthobranch mollusc. Eckelbarger KJ. **Tissue Cell** 1982;14(2):289–95

Membrane associations between subsurface cisternae of endoplasmic reticulum and the plasma membrane of rat Sertoli cells. McGinley DM, et al. **Tissue Cell** 1981; 13(2):337–47

The membrane association among the rough-and smooth-surfaced endoplasmic reticulum and Golgi apparatus in rat hepatocytes at certain circadian stages. Uchiyama Y. **Tohoku J Exp Med** 1982 Mar;136(3):299–302

Unidentified structures in tumor cells. Sobel HJ, et al. **Ultrastruct Pathol** 1981 Oct–Dec;2(4):395

Normoactive hypertrophic endoplasmic reticulum in taurolithocholate-induced cholestasis in rats. Kolde G, et

al. **Virchows Arch [Cell Pathol]** 1981;37(1):103–8
Smooth endoplasmic reticulum and synaptic vesicles in cultured murine neuroblastoma cells. Spoerri PE, et al. **Z Mikrosk Anat Forsch** 1981;95(4):521–30
[Intracisternal crystalloid tubules in tumor cells] Bednář B, et al. **Cesk Patol** 1982 May;18(2):97–101 (Eng. Abstr.) **(Cze)**
[Comparative study of original and reconstituted by self-assembly endoplasmic reticulum membranes] Kanaeva [illegible], et al. **Biokhimiia** 1981 Sep;46(9):1622–32 (Eng. Abstr.) **(Rus)**
[Morphology, morohogenesis, localization and diagnostic value of paramyxovirus-like particles] Olmos L, et al. **Iber Lat Am** 1981;9(3):187–92 (Eng. Abstr.) **(Spa)**

ENDORPHIN RECEPTORS see RECEPTORS, ENDORPHIN

ENDORPHINS

Analgesia produced by stimulation of various sites in the human beta-endorphin system. Richardson DE. **Appl Neurophysiol** 1982;45(1–2):116–22
Absence of functional and structural homology of natural and recombinant human leukocyte interferon (IFN-alpha) with human alpha-ACTH and beta-endorphin. Epstein LB, et al. **Biochem Biophys Res Commun** 1982 Jan 15; 104(1):341–6
Clustering analysis of enkephalin conformations. Maigret B, et al. **Biochem Biophys Res Commun** 1982 Feb 11; 104(3):971–6
15N spin-lattice relaxation study of linear peptides: preliminary results on Leu-enkephalin and Tyr-Gly-Gly-Phe. Marion D, et al. **Biochem Biophys Res Commun** 1981 Aug 14;101(3):711–8
Solution conformations of the pituitary opioid peptide dynorphin-(1–13). Maroun R, et al. **Biochem Biophys Res Commun** 1981 Nov 30;103(2):442–6
Isoelectric point determination of human and camel beta-endorphin, alpha-endorphin and enkephalins. Santagostino A, et al. **Biochem Biophys Res Commun** 1982 Jan 29;104(2):577–82
Fast-atom-bombardment mass spectra of enkephalins. Barber M, et al. **Biochem J** 1981 Aug 1;197(2):401–4
Acetaldehyde--enkephalins: structure proof and some conformational deductions from one- and two-dimensional proton nuclear magnetic resonance spectra. Gidley MJ, et al. **Biochemistry** 1981 Jun 23;20(13):3880–3
Conformational studies of dansylated enkephalins by fluorescence transfer measurements, proton nuclear magnetic resonance spectroscopy, and theoretical calculations. Guyon-Gruaz A, et al. **Biochemistry** 1981 Nov 10;20(23):6677–83
Primary sequence of two regions of mouse pro-adrenocorticotropin/endorphin. Keutmann HT, et al. **Biochemistry** 1981 Jul 7;20(14):4148–55
Conformational properties of central nervous system myelin basic protein, beta-endorphin, and beta-lipotropin in water and in the presence of anionic lipids. Mattice WL, et al. **Biopolymers** 1981 Jul;20(7):1421–34
Endorphins and enkephalins. Krieger DT. **DM** 1982 Jul; 28(10):1–53
Endorphins and ethics. Ellenwood S, et al. **Ethics Sci Med** 1980;7(3–4):159–60
Theoretical conformational analysis of enkephalin analogues related to fluorescence and n.m.r. measurements in aqueous solution. Demonte JP, et al. **Int J Pept Protein Res** 1981 Nov;18(5):478–86
beta-Endorphin. Circular dichroism of synthetic human analogs with various chain lengths in methanol solutions. Jibson MD, et al. **Int J Pept Protein Res** 1981 Sep; 18(3):297–301
Conformational energy calculations on enkephalins and enkephalin analogs. Classification of conformations to different configurational types. Manavalan P, et al. **Int J Pept Protein Res** 1981 Sep;18(3):256–75
Aminoxy analogs of leu-enkephalin. Salvadori S, et al. **Int J Pept Protein Res** 1981 Oct;18(4):393–401
Endorphins and legal issues. Harrison J. **J Leg Med (Chicago)** 1981 Dec;2(4):543–68
Opioid peptides have found their roots [news] Rossier J. **Nature** 1982 Jul 15;298(5871):221–2
Endorphins, opiate receptors and their evolving biology. Smith JR, et al. **Pathobiol Annu** 1981;11:87–126 (212 ref.)
Porcine pituitary dynorphin: complete amino acid sequence of the biologically active heptadecapeptide. Goldstein A, et al. **Proc Natl Acad Sci USA** 1981 Nov;78(11):7219–23
The Mr 80,000 common forms of neurophysin and vasopressin from bovine neurohypophysis have corticotropin- and beta-endorphin-like sequences and liberate by proteolysis biologically active corticotropin. Lauber M, et al. **Proc Natl Acad Sci USA** 1981 Oct; 78(10):6086–90
beta-Endorphin: demonstration of a tertiary structure in aqueous solution. Nicolas P, et al. **Proc Natl Acad Sci USA** 1981 Dec;78(12):7290–3

ADMINISTRATION & DOSAGE

Epidural met-enkephalin (FK 33-824). A dose-effect study. Andersen HB, et al. **Acta Anaesthesiol Scand** 1982 Feb; 26(1):69–71
Intracerebroventricular administration of nanogram amounts of beta-endorphin and Met-enkephalin causes retrograde amnesia in rats. Lucion AB, et al. **Behav Brain Res** 1982 Jan;4(1):111–5
Analgesic efficacy of parenteral metkephamid acetate in treatment of postoperative pain. Calimlim JF, et al. **Lancet** 1982 Jun 19;1(8286):1374–5
[Effects of epidural injection of beta-endorphin on endocrine function in man (author's transl)] Fukushi S. **Masui** 1981 Oct;30(10):1112–21 (Eng. Abstr.) **(Jpn)**
[Effects of intrathecal beta-endorphin and morphine on post-operative pain (author's transl)] Taniguchi K, et al. **Masui** 1981 Oct;30(10):1105–11 (Eng. Abstr.) **(Jpn)**
[Effects of intrathecal beta-endorphin and morphine on endocrine response during halothane anesthesia and surgery in man (author's transl)] Taniguchi K, et al. **Masui** 1981 Nov;30(11):1175–82 (Eng. Abstr.) **(Jpn)**

ADVERSE EFFECTS

Physical dependence on physiologically released endogenous opiates. Christie MJ, et al. **Life Sci** 1982 Apr 5; 30(14):1173–7

ANALYSIS

The investigation of [(4'-amino)-PHE]4-enkephalin conformation in water by the spectrofluorimetric procedure. Jankowski A, et al. **Acta Biochim Pol** 1981; 28(1):11–20
Radioimmunoassay detection of endorphins from long-term culture of human pituitary tumour cells. Sharp B, et al. **Acta Endocrinol (Copenh)** 1982 Feb;99(2):174–8
Development and validation of a radioimmunoassay for beta-endorphin-related peptides. Vuolteenaho O, et al. **Acta Physiol Scand** 1981 Jul;112(3):313–21
Pituitary beta-endorphin, naloxone, and feeding in several experimental obesities. Gunion MW, et al. **Am J Physiol** 1981 Sep;241(3):R173–84
Endogenous opiates and pain. Huhman M. **ANS** 1982 Jul; 4(4):62–71
Proenkephalin: a general pathway for enkephalin biosynthesis in animal tissues. Kojima K, et al. **Arch Biochem Biophys** 1982 May;215(2):638–43
Regional distribution of alpha -neo-endorphin in rat brain and pituitary. Minamino N, et al. **Biochem Biophys Res Commun** 1981 Sep 16;102(1):226–34
Evidence for an opiate-inactive N-acetylated derivative of leucine-enkephalin in the rat neurointermediate pituitary. Seizinger BR, et al. **Biochem Biophys Res Commun** 1981 Jul 16;101(1):289–97
Evidence for the occurrence of the opioid octapeptide dynorphin-(1–8) in the neurointermediate pituitary of rats. Seizinger BR, et al. **Biochem Biophys Res Commun** 1981 Sep 16;102(1):197–205
Immunoreactive dynorphin in the rat adenohypophysis consists exclusively of 6000 dalton species. Seizinger BR, et al. **Biochem Biophys Res Commun** 1981 Nov 16; 103(1):256–63
Colocalization of alpha-neo-endorphin and dynorphin immunoreactivity in hypothalamic neurons. Weber E, et al. **Biochem Biophys Res Commun** 1981 Dec 15;103(3):951–8
CSF beta-endorphin-immunoreactivity in normal, schizophrenic, depressed, manic and anorexic subjects. Gerner RH, et al. **Brain Res** 1982 Apr 8;237(1):244–7
Immunocytochemical localization of beta-endorphin (lipotropin C-fragment) in the developing rat spinal cord and hypothalamus. Haynes LW, et al. **Brain Res** 1982 Jan 28;232(1):115–28
The influence of selective adeno- and neurointermedio-hypophysectomy upon plasma and brain levels of beta-endorphin and their response to stress in rats. Przewłocki R, et al. **Brain Res** 1982 Jun 17;242(1):107–17
Regional distribution of alpha- and gamma-type endorphins in rat brain. Verhoef J, et al. **Brain Res** 1982 Jan 14; 231(2):454–60
Detection from rat pituitary of beta-lipotropin and materials containing opiatelike activity by combined enzymatic radioreceptor assay. Chan JS, et al. **Can J Physiol Pharmacol** 1981 Aug;59(8):811–7
Neurohormonal peptides in ovarian carcinoids: an immunohistochemical study of 81 primary carcinoids and of intraovarian metastases from six mid-gut carcinoids. Sporrong B, et al. **Cancer** 1982 Jan 1;49(1):68–74
Distribution of neuropeptides in the dorsal pontine tegmental area of the rat. Matsuzaki T, et al. **Cell Mol Biol** 1981; 27(5):499–508
Enkephalin-immunoreactive neurons in the guinea-pig hypothalamus. Beauvillain JC, et al. **Cell Tissue Res** 1982; 224(1):1–13
Immunoreactive ACTH/beta-endorphin neurons in the tubero-infundibular hypothalamus of rats. Hisano S, et al. **Cell Tissue Res** 1982;224(2):303–14
Altered methionine enkephalin immunoreactivity in cerebral nuclei of spontaneously hypertensive rats. Nakamura K, et al. **Clin Exp Hypertens [A]** 1982;4(1–2):297–301
Immunoreactive somatostatin and beta-endorphin content in the brain of mature rats after neonatal exposure to propylthiouracil. Kato N, et al. **Endocrinology** 1982 Jun; 110(6):1851–5
ACTH and beta-endorphin-related peptides are present in multiple sites in the reproductive tract of the male rat. Tsong SD, et al. **Endocrinology** 1982 Jun;110(6):2204–6
270-MHz 1H nuclear-magnetic-resonance study of met-enkephalin in solvent mixtures. Conformational transition from dimethylsulphoxide to water. Zetta L, et al. **Eur J Biochem** 1982 Feb;122(1):215–22
Enkephalin-immunoreactive nerve fibers in the feline genito-urinary tract. Alm P, et al. **Histochemistry** 1981; 72(3):351–5
Enzymatic cleavage prior to antibody incubation as a method for neuropeptide immunocytochemistry. Martin R, et al. **Histochemistry** 1982;74(4):457–67
Enkephalin-like immunoreactivity is restricted to the adrenaline cells in the hamster adrenal medulla. Pelto-Huikko M, et al. **Histochemistry** 1982;73(4):493–7
Amino acid composition and sequence of dermorphin, a novel opiate-like peptide from the skin of Phyllomedusa sauvagei. Montecucchi PC, et al. **Int J Pept Protein Res** 1981 Mar;17(3):275–83
Identification of dermorphin and Hyp6-dermorphin in skin extracts of the Brazilian frog Phyllomedusa rhodei. Montecucchi PC, et al. **Int J Pept Protein Res** 1981 Mar; 17(3):316–21
Lipolytic and enkephalinase inhibitory activities of polypeptides from placental autolysate prepared for therapeutic purposes. Nencini P, et al. **Int J Tissue React** 1981 Dec;3(3–4):167–72
Measurement of endogenous leucine enkephalin in canine thalamus by high-performance liquid chromatography and field desorption mass spectrometry. Desiderio DM, et al. **J Chromatogr** 1982 Apr 30;239:87–95
Immunoreactive endorphins, lipotropins and corticotropins in a human nonpituitary tumor: evidence for a common precursor. Orth DN, et al. **J Clin Endocrinol Metab** 1978 May;46(5):849–52
Distribution of methionine-enkephalin immunoreactivity in the chick brain: an immunohistochemical study. de Lanerolle NC, et al. **J Comp Neurol** 1981 Jul 10; 199(4):513–33
Electron immunocytochemical localization of enkephalin-like material in catecholamine-containing cells of the carotid body, the adrenal medulla, and in pheochromocytomas of man and other mammals. Varndell IM, et al. **J Histochem Cytochem** 1982 Jul;30(7):682–90
Measurement of methionine-enkephalin [Arg6,Phe7] in rat brain by specific radioimmunoassay directed at methionine sulphoxide enkephalin[Arg6,Phe7]. Boarder MR, et al. **J Neurochem** 1982 Feb;38(2):299–304
Met-enkephalin [Arg6, Phe7] immunoreactivity in bovine caudate and bovine adrenal medulla. Boarder MR, et al. **J Neurochem** 1982 Jul;39(1):149–54
Antibodies specific for alpha-N-acetyl-beta-endorphins: radioimmunoassays and detection of acetylated beta-endorphins in pituitary extracts. Weber E, et al. **J Neurochem** 1982 Feb;38(2):436–47
Ultrastructural localization and biochemical features of immunoreactive LEU-enkephalin in monkey dorsal horn. Aronin N, et al. **J Neurosci** 1981 Jun;1(6):561–77
Light and electron microscopic localization of immunoreactive Leu-enkephalin in the monkey basal ganglia. DiFiglia M, et al. **J Neurosci** 1982 Mar;2(3):303–20
Localization of substance P-like and enkephalin-like immunoreactivity within preganglionic terminals of the avian ciliary ganglion: light and electron microscopy. Erichsen JT, et al. **J Neurosci** 1982 Jul;2(7):994–1003
Immunocytochemical and ultrastructural differentiation between Met-enkephalin-, Leu-enkephalin-, and Met/Leu-enkephalin-immunoreactive neurons of feline gut. Larsson LI, et al. **J Neurosci** 1982 Jul;2(7):861–78
Marked increases in large enkephalin-containing polypeptides in the rat adrenal gland following denervation. Lewis RV, et al. **J Neurosci** 1981 Jan;1(1):80–2
Serotonin neurons in nucleus raphe dorsalis and paragigantocellularis of the cat contain enkephalin. Glazer EJ, et al. **J Physiol (Paris)** 1981;77(2–3):241–5
Brain opiates and corticotrophin-related peptides. The Goulstonian Lecture 1980. Rees LH. **J R Coll Physicians Lond** 1981 Apr;15(2):130–4
Substance P and enkephalins in spinal cord after limb amputation [letter] Hunt SP, et al. **Lancet** 1982 May 1; 1(8279):1023
Met-enkephalin immunoreactivity in blood platelets. Di Giulio AM, et al. **Life Sci** 1982 May 10;30(19):1605–14
Presence of alpha-neo-endorphin-like immunoreactivity in the posterior lobe of the pituitary gland. Ito S, et al. **Life Sci** 1981 Oct 5;29(14):1457–61
Lack of effect of morphine and noxious stimuli on the MET-enkephalin content in the spinal dorsal horn and nucleus reticularis gigantocellularis of the rat. Kuraishi Y, et al. **Life Sci** 1982 Jun 14;30(24):2071–7
Multiple forms of immunoreactive dynorphin in rat pituitary and brain. Suda T, et al. **Life Sci** 1982 Jul 5;31(1):51–7
Prenatal ontogeny of neurons with enkephalin-like immunoreactivity in the rat central nervous system: an immunohistochemical mapping investigation. Palmer MR, et al. **Med Biol** 1982 Apr;60(2):61–88
High-pressure liquid chromatography and radioimmunoassay for the specific and quantitative determination of endorphins and related peptides. Loeber JG, et al. **Methods Enzymol** 1981;73(Pt B):261–75
Endorphins in infant apnea [letter] Orlowski JP. **N Engl J Med** 1982 Jul 15;307(3):186–7
Identification of a beta-endorphin-like peptide in cultured human placental cells. Liotta AS, et al. **Nature** 1982 Feb

18;295(5850):593–5

Immunoreactive beta–endorphin in the plasma, pituitary and hypothalamus of young and old male rats. Forman LJ, et al. **Neurobiol Aging** 1981 Winter;2(4):281–4

Diurnal fluctuations in methionine–enkephalin levels in the hypothalamus and preoptic area of the male rat: effects of pinealectomy. Kumar MS, et al. **Neuroendocrinology** 1982;35(1):28–31

Conversion of [met5]–enkephalin–Arg6–Phe7 to [met5]–enkephalin by dipeptidyl carboxypeptidase. Yang HY, et al. **Neuropharmacology** 1981 Sep;20(9):891–4

Brain content of leu5– and met5–enkephalin changes independently during the development of kindling in the rat. Vindrola O, et al. **Neurosci Lett** 1981 Oct 23; 26(2):125–30

Regional redistribution of beta–endorphin in the rat brain: the effect of stress. Barta A, et al. **Prog Neuropsychopharmacol** 1981;5(5–6):595–8

Effect of chronic treatment with haloperidol on serum prolactin, striatal opiate receptors and beta–endorphin content in rat brain and pituitary. Kato N, et al. **Prog Neuropsychopharmacol** 1981;5(5–6):549–52

Central nervous system immunoreactive somatostatin, substance P and metenkephalin concentrations in experimental hepatic encephalopathy in the rat. Miller JL, et al. **S Afr Med J** 1982 Jun 12;61(24):923–5

Reduced leucine–enkephalin–like immunoreactive substance in hamster basal ganglia after long–term ethanol exposure. Blum K, et al. **Science** 1982 Jun 25;216(4553):1425–7

Ethanol preference as a function of genotypic levels of whole brain enkephalin in mice. Blum K, et al. **Toxicol Eur Res** 1981 Sep;3(5):261–2

Evolutionary origins of vertebrate hormones: material very similar to adrenocorticotropic hormone, beta–endorphin, and dynorphin in protozoa. LeRoith D, et al. **Trans Assoc Am Physicians** 1981;94:52–60

[Individual variation of acupuncture analgesia in rats and its connections with intracerebral opiate–like substance and serotonin level (author's transl)] Liang XN. **Chung Hua I Hsueh Tsa Chih** 1981 Jun;61(6):345–9 (Eng. Abstr.) **(Chi)**

[ACTH, beta–endorphin, lipotropins, and other pro–opiocortin–derived peptides: a new family of hormones (author's transl)] Bertagna X, et al. **Ann Med Interne (Paris)** 1982;133(3):145–7 (Eng. Abstr.) **(Fre)**

[Demonstration of enkephalins in pheochromocytoma] Giraud P, et al. **Arch Mal Coeur** 1982 Jun;75 Spec No:143–6 (Eng. Abstr.) **(Fre)**

[Demonstration of neuropeptides in cultured neuroretinal cells of chick embryo] Girard A, et al. **C R Seances Acad Sci [III]** 1981 Oct 12;293(5):291–5 (Eng. Abstr.) **(Fre)**

[Opiate peptides of the adrenal medulla (author's transl)] Giraud P, et al. **Nouv Presse Med** 1982 May 22; 11(24):1867–71 (Eng. Abstr.) **(Fre)**

[Effect of cold stress on the concentrations in the hypothalamus, pituitary, and blood of beta–lipotropin and beta–endorphin in the rabbit] Petraglia F, et al. **Boll Soc Ital Biol Sper** 1981 Sep 30;57(18):1862–8 (Eng. Abstr.) **(Ita)**

[Neuropeptides in the rabbit eye. I. RIA for beta–endorphin, substance P and neurotensin in the aqueous humor, iris–ciliary body and retina (author's transl)] Baba S, et al. **Nippon Ganka Gakkai Zasshi** 1981 Sep 10;85(9):1267–72 (Eng. Abstr.) **(Jpn)**

[Endorphins and opiate receptors] Nakai Y. **Nippon Rinsho** 1981 Sep;39(9):2942–8 **(Jpn)**

ANTAGONISTS & INHIBITORS

Opiate activation of potassium conductance in myenteric neurons: inhibition by calcium ion. Morita K, et al. **Brain Res** 1982 Jun 17;242(1):145–50

Enkephalin–induced inhibition of the isolated rat ileum is not blocked by naloxone. Nakatsu K, et al. **Can J Physiol Pharmacol** 1981 Aug;59(8):901–3

ACTH1–24 counteracts the prolactin–releasing effect of an opioid. Ferri S, et al. **Eur J Pharmacol** 1982 Jan 22; 77(2–3):143–5

Calcium–opiate antagonism in the periaqueductal grey (PGA) region. Guerrero–Muñoz F, et al. **Eur J Pharmacol** 1981 Dec 17;76(4):417–9

Caerulein and cholecystokinin suppress beta–endorphin–induced analgesia in the rat. Itoh S, et al. **Eur J Pharmacol** 1982 Jun 4;80(4):421–5

Suppressive effect of cholecystokinin and its related peptides on beta–endorphin–induced catalepsy in rats. Itoh S, et al. **Eur J Pharmacol** 1981 Sep 24;74(4):381–4

Leucine–enkephalin: reversal of intrinsic cardiovascular stimulation by pentobarbital. Sander G, et al. **Eur J Pharmacol** 1982 Mar 26;78(4):467–70

Effect of naloxone on met–enkephalin–induced gastric acid secretion and serum gastrin in man. Olsen PS, et al. **Gut** 1982 Jan;23(1):63–5

Effect of endogenous opioid blockade on the amplitude and frequency of pulsatile luteinizing hormone secretion in normal men. Ellingboe J, et al. **J Clin Endocrinol Metab** 1982 Apr;54(4):854–7

Physiological effects of high dose naloxone administration to normal adults. Cohen MR, et al. **Life Sci** 1982 Jun 7; 30(23):2025–31

BIOSYNTHESIS

An enkephalin–generating enzyme in bovine adrenal medulla. Lindberg I, et al. **Biochem Biophys Res Commun** 1982 May 14;106(1):186–93

A multicatalytic protease complex from pituitary that forms enkephalin and enkephalin containing peptides. Orlowski M, et al. **Biochem Biophys Res Commun** 1981 Aug 14; 101(3):814–22

Comparison of rat anterior and intermediate pituitary in tissue culture: corticotropin (ACTH) and beta–endorphin. Mains RE, et al. **Ciba Found Symp** 1981;(81):32–54

Biosynthesis of pairs of peptides related to melanotropin, corticotropin and endorphin in the pars intermedia of the amphibian pituitary gland. Martens GJ, et al. **Eur J Biochem** 1982 Feb;122(1):1–10

Effect of chronic morphine treatment on beta–endorphin biosynthesis by the rat neurointermediate lobe. Gianoulakis C, et al. **Eur J Pharmacol** 1981 Jul 10;72(4):313–21

Neuroblastoma X glioma hybrid cells synthesize enkephalin–like opioid peptides. Glaser T, et al. **J Neurochem** 1982 Jul;39(1):59–69

Biosynthesis and release of beta–endorphin–, N–acetyl beta–endorphin–, beta–endorphin–(1–27)–, and N–acetyl beta–endorphin–(1–27)–like peptides by rat pituitary neurointermediate lobe: beta–endorphin is not further processed by anterior lobe. Liotta AS, et al. **J Neurosci** 1981 Jun;1(6):585–95

Biosynthesis of beta–endorphin by the neurointermediate lobes from rats treated with morphine or alcohol. Gianoulakis C, et al. **Life Sci** 1981 Nov 9;29(19):1973–82

A carboxypeptidase processing enzyme for enkephalin precursors. Hook VY, et al. **Nature** 1982 Jan 28; 295(5847):341–2

Enkephalin biosynthetic pathway: a 5300–dalton adrenal polypeptide that terminates at its COOH end with the sequence [Met]enkephalin–Arg–Gly–Leu–COOH. Jones BN, et al. **Proc Natl Acad Sci USA** 1982 Feb;79(4):1313–5

Adrenal opioid proteins of 8600 and 12,600 daltons: intermediates in proenkephalin processing. Jones BN, et al. **Proc Natl Acad Sci USA** 1982 Mar;79(6):2096–100

[Ectopic secretion of ACTH and of related peptides (LPHs, beta–endorphin, '16K'). Evidence for a common precursor] Bertagna X, et al. **Horm Res** 1980;13(4–5):291–301 (Eng. Abstr.) **(Fre)**

[Endogenous opiates. Biosynthesis of enkephalins and endorphins] Graw J. **Pharm Unserer Zeit** 1981 Sep; 10(5):145–9 **(Ger)**

BLOOD

Immunoreactive beta–endorphin/lipotrophin in the chronically cannulated ovine foetus: response to bilateral foetal adrenalectomy. Hennessy DP, et al. **Acta Endocrinol (Copenh)** 1982 Apr;99(4):612–8

Serum beta–ELI circulating levels and primary amenorrhea. Branconi F, et al. **Acta Eur Fertil** 1981 Dec;12(4):337–40

Menopause, depression, and plasma opioids. Genazzani AR, et al. **Adv Biochem Psychopharmacol** 1982;32:341–5

Vasopressin secretion induced by hypoxia in sheep: developmental changes and relationship to beta–endorphin release. Stark RI, et al. **Am J Obstet Gynecol** 1982 May 15;143(2):204–15

Respiratory distress and beta–endorphin–like immunoreactivity in humans. Yanagida H, et al. **Anesthesiology** 1981 Nov;55(5):515–9

Naloxone, beta endorphins, and high–altitude pulmonary edema [letter] Bar–Or D, et al. **Ann Intern Med** 1982 May; 96(5):684–5

Influence of medication, pain and progress in labour on plasma beta–endorphin–like immunoreactivity. Thomas TA, et al. **Br J Anaesth** 1982 Apr;54(4):401–8

Chlorpropamide alcohol flush and circulating met–enkephalin: a positive link. Medbak S, et al. **Br Med J [Clin Res]** 1981 Oct 10;283(6297):937–9

Beta–endorphin concentrations in serum, hypothalamus and central gray of hypophysectomized and mediobasal hypothalamus lesioned rats. Kerdelhué B, et al. **Brain Res** 1982 Jan 7;231(1):85–91

Studies on circulating met–enkephalin and beta–endorphin: normal subjects and patients with renal and adrenal disease. Smith R, et al. **Clin Endocrinol (Oxf)** 1981 Sep; 15(3):291–300

Beta–endorphins in labor. Mega M, et al. **Clin Exp Obstet Gynecol** 1981;8(4):151–5

The response of plasma immunoreactive adrenocorticotropin, beta–endorphin/beta–lipotropin, gamma–lipotropin and cortisol to experimentally induced pain in normal subjects. Güllner HG, et al. **Clin Sci** 1982 Oct;63(4):397–400

Effects of bromocriptine on blood pressure and plasma beta–endorphin in spontaneously hypertensive rats. Hutchinson JS, et al. **Clin Sci [Suppl]** 1981 Dec; 61(7):343s–345s

Adrenocorticotropin, and corticosterone secretion in Brattleboro rats. Conte–Devolx B, et al. **Endocrinology** 1982 Jun;110(6):2097–100

Dopamine regulates canine plasma beta–endorphin–immunoreactivity levels. Sharp B, et al. **Endocrinology** 1982 May;110(5):1828–30

beta–Endorphin in hypophyseal portal blood: variations throughout the menstrual cycle. Wehrenberg WB, et al. **Endocrinology** 1982 Sep;111(3):879–81

Mianserin reduces plasma levels of beta–endorphin immunoreactivity in depressed patients. Drago F, et al. **Experientia** 1982 Jun 15;38(6):685–6

Opioid plasma levels during labour. Facchinetti F, et al. **Gynecol Obstet Invest** 1982;13(3):155–63

Increases in plasma beta–endorphin/beta–lipotropin immunoreactivity after treadmill running in humans. Farrell PA, et al. **J Appl Physiol** 1982 May;52(5):1245–9

Opioid peptides in human plasma: evidence for multiple forms. Boarder MR, et al. **J Clin Endocrinol Metab** 1982 Apr;54(4):715–20

Doxepin effects on chronic pain, depression and plasma opioids. Hameroff SR, et al. **J Clin Psychiatry** 1982 Aug; 43(8 Pt 2):22–7

Idiopathic narcolepsy: effect of naloxone studied in one of three patients with unelevated beta–endorphin–like immunoreactivity plasma levels [letter] Pasi A, et al. **J Clin Psychopharmacol** 1982 Jun;2(3):216–7

Beta–lipotropin and beta–endorphin in physiological and surgical menopause. Genazzani AR, et al. **J Endocrinol Invest** 1981 Oct–Dec;4(4):375–8

Degradation and oxidation of methionine enkephalin by human neutrophils. Turkall RM, et al. **J Lab Clin Med** 1982 Mar;99(3):418–27

Human beta–endorphin–like immunoreactivity in the perinatal/neonatal period. Moss IR, et al. **J Pediatr** 1982 Sep;101(3):443–6

Beta–endorphin levels in blood from selected Alaskan mammals. Franzmann AW, et al. **J Wildl Dis** 1981 Oct; 17(4):593–6

Absorption loss of peptides to the plastic tube in radioreceptor assay of calcitonin and beta–endorphin: protection by detergents. Koida M, et al. **Jpn J Pharmacol** 1982 Jun;32(3):413–8

Comparative metabolic clearance rates of beta–endorphin and beta–lipotropin in humans. Aronin N, et al. **Life Sci** 1981 Sep 21;29(12):1265–9

Beta–adrenergic stimulation induces an increase of the plasma levels of immunoreactive alpha–MSH, beta–endorphin, ACTH and of corticosterone. Berkenbosch F, et al. **Life Sci** 1981 Nov 30;29(22):2249–56

Dextroamphetamine infusions in normals result in correlated increases of plasma beta–endorphin and cortisol immunoreactivity. Cohen MR, et al. **Life Sci** 1981 Sep 21; 29(12):1243–7

Surgical stress in humans is accompanied by an increase in plasma beta–endorphin immunoreactivity. Dubois M, et al. **Life Sci** 1981 Sep 21;29(12):1249–54

Concomitant changes of ACTH, beta–endorphin and N–terminal portion of pro–opiomelanocortin in rats. Lis M, et al. **Life Sci** 1982 Apr 5;30(14):1159–64

Naloxone does not affect pain sensitivity, mood or cognition in patients with high levels of beta–endorphin in plasma. Mohs RC, et al. **Life Sci** 1982 May 24;30(21):1827–33

Beta–endorphin immunoreactivity in rat plasma: variations in response to different physical stimuli. Mueller GP. **Life Sci** 1981 Oct 19;29(16):1669–74

The effect of isoprenaline on plasma concentrations of immunoreactive beta–endorphin and beta–lipotropin in the conscious rat. Knepel W, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1981 Sep; 317(2):154–8

Evidence for inhibition by beta–endorphin of vasopressin release during foot shock–induced stress in the rat. Knepel W, et al. **Neuroendocrinology** 1982;34(5):353–6

Selective destruction of the ventral noradrenergic bundle but not of the locus coeruleus elevates plasma levels of beta–endorphin immunoreactivity in rats. Millan MH, et al. **Neurosci Lett** 1982 Apr 26;29(3):269–73

Plasma opioids in the first hours of life. Facchinetti F, et al. **Pediatr Res** 1982 Feb;16(2):95–8

Effect of ceruletide on pituitary–hypothalamic peptides and on emotion in man. Basso N, et al. **Peptides (Fayetteville)** 1981;2 Suppl 2:71–5

Effects of conditioned fear and environmental novelty on plasma beta–endorphin in the rat. Scallet AC. **Peptides (Fayetteville)** 1982 Mar–Apr;3(2):203–6

Ethanol increases opioid activity in plasma of normal volunteers. Naber D, et al. **Pharmacopsychiatria** 1981 Sep; 14(5):160–1

Differential effects of warm– and cold–ambient temperature on blood levels of beta–endorphin and prolactin in the rat. Deeter WT 3d, et al. **Proc Soc Exp Biol Med** 1981 Dec; 168(3):369–72

Running elevates plasma beta–endorphin immunoreactivity and ACTH in untrained human subjects. Gambert SR, et al. **Proc Soc Exp Biol Med** 1981 Oct;168(1):1–4

Stress–induced plasma beta–endorphin immunoreactivity may predict postoperative morphine usage. Cohen MR, et al. **Psychiatry Res** 1982 Feb;6(1):7–12

beta–Endorphin and beta–lipotropin plasma levels in chronic schizophrenia, primary affective disorders and secondary affective disorders. Brambilla F, et al. **Psychoneuroendocrinology** 1981 Dec;6(4):321–30

[Immunoreactive plasma beta–endorphin in certain physiological situations and pathological conditions (author's transl)] Marek J, et al. **Cas Lek Cesk** 1982 Feb 5;121(5):140–5 (Eng. Abstr.) **(Cze)**

[ACTH, beta–endorphin and lipotropins: physiopathological studies in man (author's transl)] Kuhn JM, et al. **Ann Med Interne (Paris)** 1982;133(3):148–51 (Eng. Abstr.) **(Fre)**

[Effects of tiapride infusion on plasma levels of

beta-endorphin, prolactin and dopamine in patients with pain from cancer (author's transl)] Gennari C, et al. **Sem Hop Paris** 1981 Apr 18-25;57(15-16):795-800 (Eng. Abstr.) **(Fre)**

[Neonatal adaptive phenomenon: secretion of beta-lipotropin, and beta-endorphin in the first week of life] Bagnoli F, et al. **Boll Soc Ital Biol Sper** 1981 Sep 15;57(17):1771-6 (Eng. Abstr.) **(Ita)**

[Circulating opioid peptides in chronic renal failure: acute effect of dialysis treatment] Petraglia F, et al. **Boll Soc Ital Biol Sper** 1982 May 15;58(9):578-84 (Eng. Abstr.) **(Ita)**

[The puerperium and dysnociception. I) Behavior of serum beta-endorphins in pregnant and post-partum animals] Romiti A, et al. **Boll Soc Ital Biol Sper** 1981 Aug 30; 57(16):1713-6 (Eng. Abstr.) **(Ita)**

[The puerperium and dysnociception. III) Serotonin and beta-endorphin levels in pregnant rats fed L-tryptophan] Romiti A, et al. **Boll Soc Ital Biol Sper** 1981 Aug 30; 57(16):1719-21 (Eng. Abstr.) **(Ita)**

[Plasma beta-endorphin and beta-lipotropin levels in patients with trigeminal neuralgia (author's transl)] Jin T, et al. **Masui** 1982 Mar;31(3):240-4 (Eng. Abstr.) **(Jpn)**

[Effects of halothane anesthesia, epidural anesthesia and surgery on plasma beta-endorphin levels in man (author's transl)] Tsubo T, et al. **Masui** 1981 Feb;30(2):120-6 (Eng. Abstr.) **(Jpn)**

[The changes of human plasma ACTH and immunoreactive beta-endorphin during spontaneous or oxytocics induced/maintained labor and delivery (author's transl)] Adachi T, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1982 Jul;34(7):945-53 (Eng. Abstr.) **(Jpn)**

[Plasma ACTH, beta-lipotropin and beta-endorphin in the human fetus and their mother during delivery (author's trans)] Furuhashi N, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1982 Apr; 34(4):478-82 (Eng. Abstr.) **(Jpn)**

[The changes of human plasma ACTH, immunoreactive-beta-endorphin and cortisol during pregnancy, labor and delivery (author's transl)] Odagiri E, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1982 Jul; 34(7):920-8 (Eng. Abstr.) **(Jpn)**

[Radioimmunoassay of beta-endorphin and beta-lipotropin in the blood] Slavnov VN, et al. **Med Radiol (Mosk)** 1982 Apr;27(4):45-9 (Eng. Abstr.) **(Rus)**

[Blood levels of beta-endorphin and beta-lipotropin in patients with Cushing's syndrome] Slavnov VN, et al. **Ter Arkh** 1981;53(12):107-10 (Eng. Abstr.) **(Rus)**

CEREBROSPINAL FLUID

Cerebrospinal fluid opioid activity in anorexia nervosa. Kaye WH, et al. **Am J Psychiatry** 1982 May;139(5):643-5

Endogenous opioid activity and beta-endorphin immunoreactivity in CSF of psychiatric patients and normal volunteers. Naber D, et al. **Am J Psychiatry** 1981 Nov;138(11):1457-62

Endorphin levels in cerebrospinal fluid of patients with postoperative and chronic pain. Puig MM, et al. **Anesthesiology** 1982 Jul;57(1):1-4

Endorphins and pain relief. Further observations on electrical stimulation of the lateral part of the periaqueductal gray matter during rostral mesencephalic reticulotomy for pain relief. Amano K, et al. **Appl Neurophysiol** 1982; 45(1-2):123-35

Stimulation and coagulation of the posteromedial hypothalamus for intractable pain, with reference to beta-endorphins. Mayanagi Y, et al. **Appl Neurophysiol** 1982;45(1-2):136-42

CSF beta-endorphin and meningeal carcinomatosis [letter] Coombs DW, et al. **Arch Neurol** 1982 Jun;39(6):388

Increased levels of Met-enkephalin-like material in the CSF of anaesthetized cats after tooth pulp stimulation. Cesselin F, et al. **Brain Res** 1982 Apr 15;237(2):325-38

Central deficiency of beta-endorphin in alcohol addicts. Genazzani AR, et al. **J Clin Endocrinol Metab** 1982 Sep; 55(3):583-6

Peripherally administered beta-endorphin increases cerebrospinal fluid endorphin immunoreactivity. Gerner RH, et al. **J Clin Endocrinol Metab** 1982 Aug;55(2):358-60

beta-Endorphin immunoreactivity and acute behavioral distress in children with leukemia. Katz ER, et al. **J Nerv Ment Dis** 1982 Feb;170(2):72-7

Evaluation of endorphin content in the CSF of patients with trigeminal neuralgia before and after Gasserian ganglion thermocoagulation. Salar G, et al. **J Neurosurg** 1981 Dec; 55(6):935-7

Periaqueductal gray stimulation in humans produces analgesia accompanied by elevation of beta-endorphin and ACTH in ventricular CSF. Hosobuchi Y. **Mod Probl Pharmacopsychiatry** 1981;17:109-22

Measurement of endorphins in CSF. Relationship to psychiatric diagnosis. Pickar D, et al. **Mod Probl Pharmacopsychiatry** 1981;17:246-62

Increase of beta-endorphin in cerebrospinal fluid after removal of ACTH-secreting pituitary adenoma. Furui T, et al. **Pain** 1981 Aug;11(1):127-32

Circannual variation in concentrations of endorphins in cerebrospinal fluid. von Knorring L, et al. **Pain** 1982 Mar; 12(3):265-72

CSF-endorphins in heroin addicts during methadone maintenance and during withdrawal. Holmstrand J, et al. **Pharmacopsychiatria** 1981 Jul;14(4):126-8

Effect of carbamazepine on CSF opioid activity; relationship to antidepressant response. Post RM, et al. **Psychiatry Res** 1981 Aug;5(1):59-66

[Decrease in Endorphin levels in CSF of postoperative patients (author's transl)] Miralles Pardo FS, et al. **Rev Esp Anestesiol Reanim** 1982 Jan;29(1):8-12 (Eng. Abstr.) **(Spa)**

CHEMICAL SYNTHESIS

Amino acids and peptides. II. Modification of glycylglycine bond in methionine enkephalin. Kawasaki K, et al. **Biochem Biophys Res Commun** 1982 May 14;106(1):113-6

[D-Pen2, L-Cys5]enkephalinamide and[D-Pen2, D-Cys5] enkephalinamide, conformationally constrained cyclic enkephalinamide analogs with delta receptor specificity. Mosberg HI, et al. **Biochem Biophys Res Commun** 1982 May 31;106(2):506-12

Cyclic enkephalin analogs containing a cystine bridge. Schiller PW, et al. **Biochem Biophys Res Commun** 1981 Jul 30;101(2):337-43

Synthetic studies on enkephalin analogs. I. Potent analgesic activity of H-Tyr-D-Ala-Gly-Phe-NHNH-CO-R (R = lower alkyl). Shinagawa S, et al. **Chem Pharm Bull (Tokyo)** 1981 Dec;29(12):3630-8

Synthetic studies on enkephalin analogs. III. A highly potent enkephalin analog, H-Tyr-D-Met(O)-Gly-Phe-NHNH-CO-CH2CH3. Shinagawa S, et al. **Chem Pharm Bull (Tokyo)** 1981 Dec; 29(12):3646-59

Synthetic studies on enkephalin analogs. II. Enhanced analgesic activity of H-Tyr-D-Ala-Gly-Phe-NHNH-CO-CH2CH3 following N-methylation of Tyr and Phe. Shinagawa S, et al. **Chem Pharm Bull (Tokyo)** 1981 Dec;29(12):3639-45

Liquid-phase synthesis of naturally occurring peptides, I. Syntheses of leucine-enkephalin and methionine-enkephalin of a p-alkoxybenzyl-modified soluble support. Colombo R, et al. **Hoppe Seylers Z Physiol Chem** 1981 Oct;362(10):1385-91

N-(9-Xanthenyl)amino acid N-carboxyanhydrides in the solid-phase synthesis of a Lys-Lys-linked cyclic leucine-enkephalin. Halstrøm J, et al. **Hoppe Seylers Z Physiol Chem** 1981 Jun;362(6):593-9

Stable isolated symmetrical anhydrides of N alpha-9-fluorenylmethyloxycarbonylamino acids in solid-phase peptide synthesis. Methionine-enkephalin synthesis as an example. Heimer EP, et al. **Int J Pept Protein Res** 1981 Sep;18(3):237-41

beta-Endorphin: isolation, amino acid sequence and synthesis of the hormone from horse pituitary glands. Li CH, et al. **Int J Pept Protein Res** 1981 Sep;18(3):242-8

Synthesis of chromophoric dehydro analog of leucine enkephalin. Phelps DJ, et al. **Int J Pept Protein Res** 1981 Oct;18(4):370-3

Polymeric 2-mercaptopyridine and 2-mercapto-nitrobenzene derivatives. New reagents for peptide synthesis. Stern M, et al. **Int J Pept Protein Res** 1981 May;17(5):531-8

Beta-Endorphin: synthesis and radioreceptor binding activity of Beta h-endorphin-(1-27) and its analogs. Zaoral M, et al. **Int J Pept Protein Res** 1981 Mar;17(3):292-6

Minimum structure opioids-dipeptide and tripeptide analogs of the enkephalins. Vavrek RJ, et al. **Peptides (Fayetteville)** 1981 Fall;2(3):303-8

New segment-coupling method for peptide synthesis in aqueous solution: application to synthesis of human [Gly17]-beta-endorphin. Blake J, et al. **Proc Natl Acad Sci USA** 1981 Jul;78(7):4055-8

[Synthesis and enzymatic degradation of beta-casomorphin-5 (author's transl)] Hartrodt B, et al. **Pharmazie** 1982 Mar; 37(3):165-9 (Eng. Abstr.) **(Ger)**

CLASSIFICATION

Multiple opiate receptors for multiple opioid peptides. Miller RJ. **Med Biol** 1982 Feb;60(1):1-6 (27 ref.)

DIAGNOSTIC USE

The effects of a met-enkephalin analogue on ACTH, beta-LPH, beta-endorphin and MET-enkephalin in patients with adrenocortical disease. Gaillard RC, et al. **Clin Endocrinol (Oxf)** 1981 May;14(5):471-8

Effects of a Met-enkephalin analogue and naloxone infusion on anterior pituitary hormone secretion in acromegaly. Delitala G, et al. **Horm Res** 1981;15(2):88-98

A new Met-enkephalin analogue suppresses plasma vasopressin in man. Zerbe RL, et al. **Peptides (Fayetteville)** 1982 Mar-Apr;3(2):199-201

[Demonstration of latent postural asymmetry by means of a synthetic hexapeptide] Kryzhanovskiĭ GN, et al. **Biull Eksp Biol Med** 1981 Jul;92(7):38-42 (Eng. Abstr.) **(Rus)**

GENETICS

Opioid peptides as neuroregulators: potential areas for the study of genetic-behavioral mechanisms. Barchas JD, et al. **Behav Genet** 1982 Feb;12(1):69-91

Cell-free translation and partial characterization of proenkephalin messenger RNA from bovine striation. Dandekar S, et al. **Biochem Biophys Res Commun** 1982 Mar 15;105(1):67-74

Long-term treatment of rats with morphine reduces the activity of messenger ribonucleic acid coding for the beta-endorphin/ACTH precursor in the intermediate pituitary. Höllt V, et al. **J Neurochem** 1981 Sep; 37(3):619-26

Primary structure of the human Met- and Leu-enkephalin precursor and its mRNA. Comb M, et al. **Nature** 1982 Feb 25;295(5851):663-6

Molecular cloning establishes proenkephalin as precursor of enkephalin-containing peptides. Gubler U, et al. **Nature** 1982 Jan 21;295(5846):206-8

Cloning and sequence analysis of cDNA for porcine beta-neo-endorphin/dynorphin precursor. Kakidani H, et al. **Nature** 1982 Jul 15;298(5871):245-9

Cloning and sequence analysis of cDNA for bovine adrenal preproenkephalin. Noda M, et al. **Nature** 1982 Jan 21; 295(5846):202-6

Isolation and structural organization of the human preproenkephalin gene. Noda M, et al. **Nature** 1982 Jun 3;297(5865):431-4

Expression in Escherichia coli of chemically synthesized gene for a novel opiate peptide alpha-neo-endorphin. Tanaka S, et al. **Nucleic Acids Res** 1982 Mar 11;10(5):1741-54

Partial characterization of the mRNA that codes for enkephalins in bovine adrenal medulla and human pheochromocytoma. Comb M, et al. **Proc Natl Acad Sci USA** 1982 Jan;79(2):360-4

Cell-free translation and partial characterization of mRNA coding for enkephalin-precursor protein. Dandekar S, et al. **Proc Natl Acad Sci USA** 1982 Feb;79(4):1017-21

Detection and partial characterization of proenkephalin mRNA. Gubler U, et al. **Proc Natl Acad Sci USA** 1981 Sep;78(9):5484-7

IMMUNOLOGY

Enkephalin immunoreactive stalked cells and lamina IIb islet cells in cat substantia gelatinosa. Bennett GJ, et al. **Brain Res** 1982 May 20;240(1):162-6

Immunoreactive dynorphin in human brain and pituitary. Gramsch C, et al. **Brain Res** 1982 Feb 4;233(1):65-74

Immunoreactive beta-endorphin levels in plasma and pituitary tissue from genetically hypertensive and normotensive rats. Hutchinson JS, et al. **Clin Exp Pharmacol Physiol** 1981 Sep-Oct;8(5):455-7

Factors governing release of methionine enkephalin-like immunoreactivity from mesencephalon and spinal cord of the cat in vivo. Yaksh TL, et al. **J Neurophysiol** 1981 Nov; 46(5):1056-75

Substance P-, met-enkephalin- and somatostatin-like immunoreactivity distribution in the frog spinal cord. Lorez HP, et al. **Neurosci Lett** 1981 Oct 23;26(2):119-24

ISOLATION & PURIFICATION

Isolation and characterization of alpha-N-acetyl beta-endorphin(1-26) from the rat posterior/intermediate pituitary lobe. Evans CJ, et al. **Biochem Biophys Res Commun** 1981 Oct 15;102(3):897-904

Identification of the octapeptide [Met]enkephalin -Arg6-Gly7-Leu8 in extracts of bovine adrenal medulla. Kilpatrick DL, et al. **Biochem Biophys Res Commun** 1981 Nov 30;103(2):698-705

Acetylated and nonacetylated forms of beta-endorphin in rat brain and pituitary. Weber E, et al. **Biochem Biophys Res Commun** 1981 Dec 15;103(3):982-9

Beta-endorphin-related peptides in the pituitary gland: isolation, identification and distribution. Smyth DG, et al. **Ciba Found Symp** 1981;(81):79-96

Rapid separation of enkephalins and endorphins on Sep-Pak reverse phase cartridges. Gay DD, et al. **Int J Pept Protein Res** 1981 Jul;18(1):107-10

Isolation and properties of beta-endorphin-(1-27), N alpha-acetyl-beta-endorphin, corticotropin, gamma-lipotropin and neurophysin from equine pituitary glands. Ng TB, et al. **Int J Pept Protein Res** 1981 Nov; 18(5):443-50

Isolation and structure of dynorphin, an opioid peptide, from porcine duodenum. Tachibana S, et al. **Nature** 1982 Jan 28;295(5847):339-40

Pancreatic beta-endorphin-like polypeptides. Houck JC, et al. **Pharmacology** 1981;23(1):14-23

A dynorphin-like opioid in the central nervous system of an amphibian. Cone RI, et al. **Proc Natl Acad Sci USA** 1982 May;79(10):3345-9

METABOLISM

Inhibition of enkephalin binding to opiate receptors by zinc ions: possible physiological importance in the brain. Stengaard-Pedersen K. **Acta Pharmacol Toxicol (Copenh)** 1982 Mar;50(3):213-20

Pituitary endorphin levels increase after sulpiride treatment. Ferri S, et al. **Adv Biochem Psychopharmacol** 1982; 31:377-81

Interaction of tritiated beta-endorphin with rat brain membranes. Hammonds RG Jr, et al. **Anal Biochem** 1981 Jun;114(1):75-84

Effect of tones, footshocks, shuttle avoidance, and electroconvulsive shock on met-encephalin immunoreactivity of rat brain. Carrasco MA, et al. **Behav Neural Biol** 1982 Jan;34(1):1-4

Effect of electroconvulsive shock on beta-endorphin immunoreactivity of rat brain, pituitary gland, and plasma.

Dias RD, et al. **Behav Neural Biol** 1981 Jun;32(2):265–8

A 'trypsin-like' enzyme in adrenal chromaffin granules: a proenkephalin processing enzyme. Evangelista R, et al. **Biochem Biophys Res Commun** 1982 Jun 15;106(3):895–902

Separation and characterization of a dipeptidyl aminopeptidase that degrades enkephalins from monkey brain. Hazato T, et al. **Biochem Biophys Res Commun** 1982 Mar 30;105(2):470–5

beta-Endorphin inhibits met-enkephalin breakdown by a brain aminopeptidase: structure-activity relationships. Hui KS, et al. **Biochem Biophys Res Commun** 1982 Apr 29; 105(4):1482–7

Dehydro-enkephalins. IV. Discriminative recognition of delta and mu opiate receptors by enkephalin analogs. Shimohigashi Y, et al. **Biochem Biophys Res Commun** 1982 Jan 29;104(2):583–90

Kidney neutral endopeptidase and the hydrolysis of enkephalin by synaptic membranes show similar sensitivity to inhibitors. Fulcher IS, et al. **Biochem J** 1982 May 1; 203(2):519–22

Distribution of beta-endorphin-related peptides in rat pituitary and brain. Zakarian S, et al. **Biochem J** 1982 Mar 15;202(3):561–71 (67 ref.)

Release of beta-lipotropin- and beta-endorphin-like material induced by angiotensin in the conscious rat. Beuers U, et al. **Br J Pharmacol** 1982 Aug;76(4):579–85

Endogenous opioid poisoning? Symons IE, et al. **Br Med J [Clin Res]** 1982 Feb 13;284(6314):469–70

Opiate receptor heterogeneity in human brain regions. Bonnet KA, et al. **Brain Res** 1981 Sep 28;221(2):437–40

Neostriatal enkephalin-immunoreactive neurones project to the globus pallidus. Del Fiacco M, et al. **Brain Res** 1982 Jan 7;231(1):1–17

Differing distributions of receptors for morphine and Met5-enkephalinamide in the dorsal horn of the cat. Duggan AW, et al. **Brain Res** 1981 Dec 21;229(2):379–87

Relationship of the central ACTH-immunoreactive opiocortin system to the supraoptic and paraventricular nuclei of the hypothalamus of the rat. Knigge KM, et al. **Brain Res** 1982 May 13;239(2):655–8

Alterations in rat central nervous system endorphins following transauricular electroacupuncture. Pert A, et al. **Brain Res** 1981 Nov 9;224(1):83–93

The distribution of enkephalin in the mediobasal hypothalamus of the mouse brain: effects of neonatal administration of MSG. Romagnano MA, et al. **Brain Res** 1982 Mar 25;236(2):497–504

Enkephalin-like immunoreactivity in vocal control regions of the zebra finch brain. Ryan SM, et al. **Brain Res** 1981 Dec 14;229(1):236–40

Evidence for the existence of an enkephalin-containing pathway from the area just ventrolateral to the anterior hypothalamic nucleus to the lateral septal area of the rat. Sakanaka M, et al. **Brain Res** 1982 May 6;239(1):240–4

Mechanism of kyotorphin-induced release of Met-enkephalin from guinea pig striatum and spinal cord. Shiomi H, et al. **Brain Res** 1981 Sep 21;221(1):161–9

Divalent cation, ATP-dependent [3H]leu-enkephalin uptake by synaptic vesicle fraction isolated from bovine caudate nucleus. Takeda M, et al. **Brain Res** 1982 Feb 25; 234(2):319–26

Development of methionine-enkephalin and naloxone binding sites in regions of rat brain. Tsang D, et al. **Brain Res** 1982 Apr;255(4):637–44

Analgesic dipeptide, kyotorphin (Tyr-Arg), is highly concentrated in the synaptosomal fraction of the rat brain. Ueda H, et al. **Brain Res** 1982 Jan 7;231(1):222–4

Differential distribution in rat basal ganglia of Met-enkephalin- and Met-enkephalin Arg6 Phe7-like peptides revealed by immunohistochemistry. Williams RG, et al. **Brain Res** 1982 May 20;240(1):167–70

Differential postnatal development of mu and delta opiate receptors. Wohltmann M, et al. **Brain Res** 1982 Apr; 255(4):679–84

Processing, turnover and release of corticotropins, endorphins and melanotropin in the toad pituitary intermediate lobe. Loh YP. **Ciba Found Symp** 1981; (81):55–78

Inhibition of the enzymatic degradation of Met-enkephalin by catecholamines. Caffrey JL, et al. **Endocrinology** 1982 Jan;110(1):291–3

Enkephalin and blood-brain barrier: studies of binding and degradation in isolated brain microvessels. Pardridge WM, et al. **Endocrinology** 1981 Oct;109(4):1138–43

Phosphoryl-Leu-Phe: a potent inhibitor of the degradation of enkephalin by enkephalinase. Altstein M, et al. **Eur J Pharmacol** 1981 Dec 3;76(2–3):299–300

Binding and metabolism studies with [3H](D-Ala2,Leu5)enkephalinamide and [3H](D-Ala2,Pro5)enkephalinamide: evidence for a selective interaction of (D-Ala2,Pro5)enkephalinamide with mu-receptors. Audigier Y, et al. **Eur J Pharmacol** 1981 Sep 24;74(4):273–8

Interaction of p-nitrophenylalanine enkephalins with mu-, delta- and kappa-subtypes of the opiate receptor. Fauchère JL, et al. **Eur J Pharmacol** 1982 Feb 5;77(4):339–42

Opiate receptor-binding activity of [D-Thr2,Thz5]-and [D-Met2,Thz5]-enkephalinamides. Ferrara P, et al. **Eur J Pharmacol** 1981 Jul 17;73(1):69–73

Levels of Immunoreactive dynorphin in brain and pituitary of hyperthyroid and hypothyroid rats. Morley JE, et al. **Eur J Pharmacol** 1982 Feb 19;78(1):125–7

Mixed type inhibition of [D-Ala2, D-Leu5]enkephalin binding to mu-opiate binding sites by mu-, but not by kappa-opiate ligands. Pfeiffer A, et al. **Eur J Pharmacol** 1982 Feb 5;77(4):359–61

Allosteric modulation by leucine-enkephalin of [3H]naloxone binding in rat brain. Rothman RB, et al. **Eur J Pharmacol** 1981 Jul 10;72(4):365–8

Bombesin, calcitonin and leu-enkephalin immunoreactivity in endocrine cells of human lung. Cutz E, et al. **Experientia** 1981 Jul 15;37(7):765–7

Glucocorticoids elevate the level of enkephalin-like peptides in neuroblastoma x glioma hybrid cells. Glaser T, et al. **FEBS Lett** 1981 Aug 17;131(1):63–7

Dehydro-enkephalins: receptor binding activity of unsaturated analogs of Leu5-enkephalin. Shimohigashi Y, et al. **FEBS Lett** 1981 Oct 26;133(2):269–71

Comparative immunocytochemical localization of putative opioid ligands in the central nervous system. Stengaard-Pedersen K, et al. **Histochemistry** 1981; 73(1):89–114 (50 ref.)

Methionine enkephalinergic neuronal activity in cerebral nuclei of spontaneously hypertensive rats. Nakamura K, et al. **Hypertension** 1982 Sep-Oct;4(5):662–9

The assay of Met-enkephalin aminopeptidase with [125I]Met-enkephalin. Caffrey JL, et al. **J Biochem Biophys Methods** 1982 Jun;6(2):133–9

Proteolytic conversion of beta-endorphin by brain synaptic membranes. Characterization of generated beta-endorphin fragments and proposed metabolic pathway. Burbach JP, et al. **J Biol Chem** 1981 Dec 10;256(23):12463–9

Function and regulation of methionine5-enkephalin and its receptors in murine neuroblastoma cells. Gilbert JA, et al. **J Biol Chem** 1982 Feb 10;257(3):1274–81

Acetylation of alpha-melanotropin and beta-endorphin in the rat intermediate pituitary. Subcellular localization. Glembotski CC. **J Biol Chem** 1982 Sep 10; 257(17):10493–500

Characterization of the peptide acetyltransferase activity in bovine and rat intermediate pituitaries responsible for the acetylation of beta-endorphin and alpha-melanotropin. Glembotski CC. **J Biol Chem** 1982 Sep 10;257(17):10501–9

beta-Endorphin and deletion peptides. A correlation of opiate receptor affinity with helix potential. Hammonds RG Jr, et al. **J Biol Chem** 1982 Mar 25;257(6):2990–5

Multiple forms of immunoreactive beta-endorphin are present in an ectopic adrenocorticotropin-producing tumor but not in normal pituitary or pituitary adenomas. Suda T, et al. **J Clin Endocrinol Metab** 1982 Jan;54(1):167–71

Presence of immunoreactive gamma-melanocyte-stimulating hormone, adrenocorticotropin, and beta-endorphin in human gastric antral mucosa. Tanaka I, et al. **J Clin Endocrinol Metab** 1982 Feb;54(2):392–6

Glucocorticoid and mineralocorticoid effects on adrenocorticotropin and beta-endorphin in the adrenalectomized rat. Lim AT, et al. **J Clin Invest** 1982 May;69(5):1191–8

Central noradrenergic neurons: identification, distribution and synaptic interactions with axons containing morphine-like peptides. Pickel V. **J Clin Psychiatry** 1982 Jun;43(6 Pt 2):13–6

Localization of methionine-enkephalin, substance P, and somatostatin immunoreactivities in the main olfactory bulb of the hamster. Davis BJ, et al. **J Comp Neurol** 1982 Feb 1;204(4):377–83

Ontogeny of the leucine-enkephalin neuron system of the rat: immunohistochemical analysis. I. Lower brainstem. Senba E, et al. **J Comp Neurol** 1982 Mar 10;205(4):341–59

Metabolic clearance rate in sheep of a met-enkephalin analogue estimated by radioimmunoassay. Bolton JE, et al. **J Endocrinol** 1982 Jun;93(3):427–33

Enkephalin/endorphin-related peptides in antropyloric gastrin cells. Larsson LI, et al. **J Histochem Cytochem** 1981 Sep;29(9):1088–98

Dynorphin-related opioid peptides in the neurointermediate pituitary of rats are not alpha-N-acetylated. Seizinger BR, et al. **J Neurochem** 1982 Jul;39(1):143–8

Light microscopic localization of brain opiate receptors: a general autoradiographic method which preserves tissue quality. Herkenham M, et al. **J Neurosci** 1982 Aug; 2(8):1129–49

Neuroanatomical methods for the quantitative evaluation of coexistence of transmitters in nerve cells. Analysis of the ACTH- and beta-endorphin immunoreactive nerve cell bodies of the mediobasal hypothalamus of the rat. Agnati LF, et al. **J Neurosci Methods** 1982 Mar;5(3):203–14

Degradation of exogenous enkephalin in the guinea-pig ileum: relative importance of aminopeptidase, enkephalinase and angiotensin converting enzyme activity. Geary LE, et al. **J Pharmacol Exp Ther** 1982 Apr; 221(1):104–11

Evidence for a gamma-aminobutyric acid (GABA) mediation in the benzodiazepine inhibition of the release of Met5-enkephalin elicited by depolarization. Harsing LG Jr, et al. **J Pharmacol Exp Ther** 1982 Mar;220(3):616–20

Studies on the structural prerequisites for the activation of the beta-endorphin receptor on the rat vas deferens. Huidobro-Toro JP, et al. **J Pharmacol Exp Ther** 1982 Jul; 222(1):262–9

Distribution of radioactivity in the spinal cord after intracerebroventricular and intravenous injection of radiolabeled opioid peptides in mice. Ohlsson AE, et al. **J Pharmacol Exp Ther** 1982 May;221(2):362–7

Adrenergic control of immunoreactive beta-endorphin release from the pituitary of the rat: in vitro and in vivo studies. Pettibone DJ, et al. **J Pharmacol Exp Ther** 1982 Jul;222(1):103–8

Stress reactions and endorphinergic systems. Emrich HM, et al. **J Psychosom Res** 1982;26(2):101–4

Synthesis and release of endorphins in trigeminal sensory nuclear complex induced by tooth pulp stimulation in the rat. Yonehara N, et al. **Jpn J Pharmacol** 1982 Apr; 32(2):391–3

Serotonergic mechanism in the control of beta-endorphin and ACTH release in male rats. Bruni JF, et al. **Life Sci** 1982 Apr 12;30(15):1247–54

Age-related changes in central nervous system enkephalins and substance P. Dupont A, et al. **Life Sci** 1981 Nov 30; 29(22):2317–22

Peptide hormone degradation by a rat mast cell chymase-heparin complex. Jahnke GD, et al. **Life Sci** 1981 Jul 27;29(4):397–403

Immunoreactive alpha-melanotropin and beta-endorphin in the toad pars intermedia: dissociation in storage, secretion and subcellular localization. Loh YP, et al. **Life Sci** 1981 Oct 12;29(15):1599–605

Biological inactivation of enkephalins and the role of enkephalin-dipeptidyl-carboxypeptidase ('enkephalinase') as neuropeptidase. Schwartz JC, et al. **Life Sci** 1981 Oct 26;29(17):1715–40 (105 ref.)

The role of the pituitary in the diurnal variation in tolerance to painful stimuli and brain enkephalin levels. Wesche DL, et al. **Life Sci** 1981 Nov 23;29(21):2199–205

Differential secretion of opioid peptides and catecholamines from cultured cells of a human pheochromocytoma tumor. Wilson SP, et al. **Life Sci** 1981 Nov 30;29(22):2257–64

The preference of putative pro-enkephalins for different types of opiate receptors. Wüster M, et al. **Life Sci** 1981 Sep 21;29(12):1219–27

Stress, endorphins and psychosis. A hypothesis. Amir S, et al. **Mod Probl Pharmacopsychiatry** 1981;17:192–201

Electroconvulsive shock results in a functional activation of endorphin systems. Holaday JW, et al. **Mod Probl Pharmacopsychiatry** 1981;17:142–57

Effects of neuroleptic drugs on endogenous opioid peptides in the rat. Höllt V. **Mod Probl Pharmacopsychiatry** 1981; 17:1–18

Effects of narcotics and narcotic antagonists on affective disorders, schizophrenia and serum neurohormones. Judd LL, et al. **Mod Probl Pharmacopsychiatry** 1981;17:213–25

Stress and endogenous opioid peptides: a review. Millan MJ. **Mod Probl Pharmacopsychiatry** 1981;17:49–67

Endorphin hypothesis of schizophrenia. Wahlström A, et al. **Mod Probl Pharmacopsychiatry** 1981;17:181–91

Interactions of ligands with morphine and enkephalin receptors are differentially affected by guanine nucleotide. Chang KJ, et al. **Mol Pharmacol** 1981 Jul;20(1):1–7

The opiate receptor-binding interactions of opiate alkaloids and of an opioid peptide in rat brain membranes. Selection by manganese ions and by cholic acid (sodium salt) and minimalization of cross-reaction in vitro. Kouakou Y, et al. **Mol Pharmacol** 1982 May;21(3):564–9

Morphine allosterically modulates the binding of [3H]leucine enkephalin to a particulate fraction of rat brain. Rothman RB, et al. **Mol Pharmacol** 1982 May;21(3):538–47

Dimeric enkephalins display enhanced affinity and selectivity for the delta opiate receptor. Shimohigashi Y, et al. **Mol Pharmacol** 1982 May;21(3):558–63

Dynorphin and dynorphin are ligands for the kappa-subtype of opiate receptor. Corbett AD, et al. **Nature** 1982 Sep 2;299(5878):79–81

Co-occurrence of substance P-like and Leu-enkephalin-like immunoreactivities in neurones and fibres of avian nervous system. Erichsen JT, et al. **Nature** 1982 Feb 4; 295(5848):407–10

Immunocytochemical localization of enkephalin and substance P in retina and eyestalk neurones of lobster. Mancillas JR, et al. **Nature** 1981 Oct 15–21;293(5833):576–8

Specific non-opiate binding sites for human beta-endorphin on the terminal complex of human complement. Schweigerer L, et al. **Nature** 1982 Apr 8;296(5857):572–4

Dimeric tetrapeptide enkephalins display extraordinary selectivity for the delta opiate receptor. Shimohigashi Y, et al. **Nature** 1982 May 27;297(5864):333–5

O-sulphated Leu-enkephalin in brain. Unsworth CD, et al. **Nature** 1982 Feb 11;295(5849):519–22

Predominance of the amino-terminal octapeptide fragment of dynorphin in rat brain regions. Weber E, et al. **Nature** 1982 Sep 2;299(5878):77–9

beta-Endorphin is processed differently in specific regions of rat pituitary and brain. Zakarian S, et al. **Nature** 1982 Mar 18;296(5854):250–2

Levels of dynorphin-(1–13) immunoreactivity in rat neurointermediate pituitaries are concomitantly altered with those of leucine enkephalin and vasopressin in response to various endocrine manipulations. Höllt V, et al. **Neuroendocrinology** 1981 Dec;33(6):333–9

Elevation of Met5-enkephalin and beta-endorphin hypothalamic content in rats receiving anorectic drugs: differences between D-fenfluramine and D-amphetamine. Harsing LG Jr, et al. **Neuropharmacology** 1982 Feb; 21(2):141–5

Effects of acute and chronic haloperidol treatment on the concentrations of immunoreactive beta-endorphin in plasma, pituitary and brain of rats. Höllt V, et al.

Neuropharmacology 1982 Feb;21(2):147–54
Distribution of met-enkephalin-Arg6-Phe7 in various tissues of rats and guinea pigs. Tang J, et al. **Neuropharmacology** 1982 Jun;21(6):595–600
Conversion of [met5]-enkephalin-Arg6-Phe7 to [met5]-enkephalin by dipeptidyl carboxypeptidase. Yang HY, et al. **Neuropharmacology** 1981 Sep;20(9):891–4
Antidepressants inhibit enkephalin binding to synaptosome-enriched fractions of rat brain. Somoza E, et al. **Neuropsychobiology** 1981;7(6):297–301
Evidence for the presence of enkephalin in catecholaminergic neurones of cat locus coeruleus. Charnay Y, et al. **Neurosci Lett** 1982 May 28;30(2):147–51
Diffuse enkephalin innervation from caudate to globus pallidus. Correa FM, et al. **Neurosci Lett** 1981 Aug 7; 25(1):63–8
Ultrastructural immunocytochemical localization of enkephalin in the goldfish preoptic nucleus. Cumming R, et al. **Neurosci Lett** 1981 Dec 23;27(3):313–8
Met-enkephalin uptake by a synaptosome-enriched fraction of rat striatum. George SR, et al. **Neurosci Lett** 1981 Nov 4;26(3):297–300
The distribution of serotonin, met-enkephalin and beta-lipotropin-like immunoreactivity in neuronal perikarya of the cat brainstem. Hunt SP, et al. **Neurosci Lett** 1982 May 28;30(2):139–45
Release of immunoreactive-dynorphin from the isolated guinea-pig small intestine is reduced during peristaltic activity. Kromer W, et al. **Neurosci Lett** 1981 Aug 7; 25(1):53–6
Differentiation of agonist conformation and antagonist conformation in multiple opioid receptors. Ogawa N, et al. **Neurosci Lett** 1981 Dec 11;27(2):205–9
Distribution of enkephalin-like immunoreactivity in the rat main olfactory bulb. Bogan N, et al. **Neuroscience** 1982 Apr;7(4):895–906
Enkephalin-like immunoreactivity in the gustatory lobes and visceral nuclei in the brains of goldfish and catfish. Finger TE. **Neuroscience** 1981;6(12):2747–58
Enkephalin-like immunoreactivity in the mossy fiber pathway of the hippocampal formation of the tree shrew (Tupaia glis). Fitzpatrick D, et al. **Neuroscience** 1981; 6(12):2485–94
The distribution of enkephalin immunoreactive fibers and terminals in the monkey central nervous system: an immunohistochemical study. Haber S, et al. **Neuroscience** 1982 May;7(5):1049–95
Co-storage of enkephalins and adrenaline in the bovine adrenal medulla. Livett BG, et al. **Neuroscience** 1982 May; 7(5):1323–32
Distribution of vasoactive intestinal polypeptide-, substance P-, enkephalin and neurotensin-like immunoreactive nerves in the chicken gut during development. Saffrey MJ, et al. **Neuroscience** 1982 Jan;7(1):279–93
Enkephalin immunoreactivity in Golgi cells and mossy fibers of mammalian, avian, amphibian and teleost cerebellum. Schulman JA, et al. **Neuroscience** 1981;6(11):2407–16
Opiate binding properties of naturally occurring N- and C-terminus modified beta-endorphins. Akil H, et al. **Peptides (Fayetteville)** 1981 Fall;2(3):289–92
Relationship of yeast-injection induced changes in brain met-enkephalin and analgesia. Chipkin RE, et al. **Peptides (Fayetteville)** 1982 Jan-Feb;3(1):31–5
Cholecystokinin octa- and tetrapeptide degradation by synaptic membranes. I. Evidence for competition with enkephalins for in vitro common degradation pathways. Deschodt-Lanckman M, et al. **Peptides (Fayetteville)** 1981; 2 Suppl 2:113–8
Development of enkephalin in the rectum and ganglion of Remak of the chick. Epstein ML, et al. **Peptides (Fayetteville)** 1982 Jan-Feb;3(1):77–82
Degradation of met-enkephalin by extracts of various regions of the human brain: effects of antipsychotics and narcotics in vitro. Jakubovic A. **Peptides (Fayetteville)** 1982 Jan-Feb; 3(1):21–6
Conversion of Met-enkephalin-Arg6-Phe7 by a purified brain carboxypeptidase (cathepsin A). Marks N, et al. **Peptides (Fayetteville)** 1981 Summer;2(2):159–64
Central neural peptides and catecholamines in spontaneous and DOCA/salt hypertension. Morris M, et al. **Peptides (Fayetteville)** 1981 Summer;2(2):207–11
Contribution of the amino terminal tyrosine to the interaction of gamma-endorphin with opiate receptors. Puett D, et al. **Peptides (Fayetteville)** 1982 Jan-Feb;3(1):87–9
Naltrexone reduces weight gain, alters 'beta-endorphin', and reduces insulin output from pancreatic islets of genetically obese mice. Recant L, et al. **Peptides (Fayetteville)** 1980 Winter;1(4):309–13
Cholecystokinin and enkephalin levels following ethanol administration in rats. Ryder S, et al. **Peptides (Fayetteville)** 1981 Summer;2(2):223–6
The correlation between swim-stress induced antinociception and [3H] leu-enkephalin binding to brain homogenates in mice. Christie MJ, et al. **Pharmacol Biochem Behav** 1981 Dec;15(6):853–7
Method of sacrifice influences leucine enkephalin binding to mouse brain. Christie MJ, et al. **Pharmacol Biochem Behav** 1981 Dec;15(6):849–51
Neuropeptide degrading enzyme(s) in plasma and brain: effects of in vivo neuroleptic administration. Traficante LJ, et al. **Pharmacol Res Commun** 1982 Apr;14(4):341–8
Degradation of beta-casomorphin-5 by proline-specific-endopeptidase (PSE) and post-proline-cleaving-enzyme (PPCE). Comparative studies of the beta-casomorphin-5 cleavage by dipeptidyl-peptidase IV. Hartrodt B, et al. **Pharmazie** 1982 Jan;37(1):72–3
Endogenous opioids interact in stress-induced hyperglycemia in mice. Amir S, et al. **Physiol Behav** 1982 Mar;28(3):575–7
Immunocytochemical localization of enkephalin-like immunoreactivity in the retina of the guinea pig. Altschuler RA, et al. **Proc Natl Acad Sci USA** 1982 Apr; 79(7):2398–400
Molecular forms of the putative enkephalin precursor BAM-12P in bovine adrenal, pituitary, and hypothalamus. Baird A, et al. **Proc Natl Acad Sci USA** 1982 Mar; 79(6):2023–5
Immunoreactive dynorphin in mammalian spinal cord and dorsal root ganglia. Botticelli LJ, et al. **Proc Natl Acad Sci USA** 1981 Dec;78(12):7783–6
Specific receptor for the opioid peptide dynorphin: structure--activity relationships. Chavkin C, et al. **Proc Natl Acad Sci USA** 1981 Oct;78(10):6543–7
Enkephalin convertase: purification and characterization of a specific enkephalin-synthesizing carboxypeptidase localized to adrenal chromaffin granules. Fricker LD, et al. **Proc Natl Acad Sci USA** 1982 Jun;79(12):3886–90
Human beta-endorphin: specific binding in neuroblastoma N18TG2 cells. Hammonds RG Jr, et al. **Proc Natl Acad Sci USA** 1981 Nov;78(11):6764–5
An 18,200-dalton adrenal protein that contains four [Met]enkephalin sequences. Kilpatrick DL, et al. **Proc Natl Acad Sci USA** 1982 May;79(9):3057–61
Beta-endorphin: opiate receptor binding activities of six naturally occurring beta-endorphin homologs studied by using tritiated human hormone and naloxone as primary ligands--effects of sodium ion. Nicolas P, et al. **Proc Natl Acad Sci USA** 1982 Apr;79(7):2191–3
Human lymphocyte production of corticotropin and endorphin-like substances: association with leukocyte interferon. Smith EM, et al. **Proc Natl Acad Sci USA** 1981 Dec;78(12):7530–4
Immunohistochemical distribution of alpha-neo-endorphin/dynorphin neuronal systems in rat brain: evidence for colocalization. Weber E, et al. **Proc Natl Acad Sci USA** 1982 May;79(9):3062–6
Classification of multiple morphine and enkephalin binding sites in the central nervous system. Wolozin BL, et al. **Proc Natl Acad Sci USA** 1981 Oct;78(10):6181–5
Tetraethylammonium facilitates the stimulation-evoked loss of the enkephalins from the myenteric plexus of guinea-pig ileum. Corbett AD, et al. **Proc R Soc Lond [Biol]** 1981 Oct 14;213(1191):171–82
Interactions of opioid peptides with their receptors. Hiller JM. **Prog Clin Biol Res** 1981;68:29–52 (148 ref.)
Effects of solution of low pH and taurocholate on release of beta-endorphin-like immunoreactivity from human duodenal mucosa in vitro. Matsumura M, et al. **Regul Pept** 1982 Mar;3(3-4):173–81
Dynorphin is a specific endogenous ligand of the kappa opioid receptor. Chavkin C, et al. **Science** 1982 Jan 22; 215(4531):413–5
Dynorphin and vasopressin: common localization in magnocellular neurons. Watson SJ, et al. **Science** 1982 Apr 2;216(4541):85–7
[Opioid peptides and their receptors] Ahtee L. **Duodecim** 1981;97(19):1592–605 **(Fin)**
[Control of the parallel release of ACTH, beta-endorphin + beta-LPH and their fragments in cultured adenohypophyseal rat cells] Raymond V, et al. **Union Med Can** 1981 Jul;110(7):635–9, 674 (Eng. Abstr.) **(Fre)**
[Reduced susceptibility of nonenzymatically glucosylated peptides against proteolytic cleavage (author's transl)] Lubec G, et al. **Padiatr Padol** 1982;17(2):473–8 (Eng. Abstr.) **(Ger)**
[Reaction between methionine enkephalin and human lymphocytes] Zozulia AA, et al. **Vestn Akad Med Nauk SSSR** 1982;(1):28–33 (Eng. Abstr.) **(Rus)**
[Changes in the content of opiate-like substances in auricular electroacupuncture anesthesia of rats] Bragin EO, et al. **Vopr Med Khim** 1982 Jul-Aug;28(4):102–5 (Eng. Abstr.) **(Rus)**
[Participation of lipids (sulfocerebrosides) in neuropeptide reception] Kreps EM. **Zh Evol Biokhim Fiziol** 1982 May-Jun;18(3):221–8 (27 ref.) (Eng. Abstr.) **(Rus)**
[Reaction between endogenous opiates and human peripheral blood lymphocytes] Zozulia AA, et al. **Zh Nevropatol Psikhiatr** 1982;82(5):60–3 (Eng. Abstr.) **(Rus)**
[Endogenous opioids in the central nervous system] Hedner T. **Lakartidningen** 1981 Jul 22;78(30-31):2689–93 (Eng. Abstr.) **(Swe)**

PHARMACODYNAMICS

EEG changes in the limbic system after the administration of leu5-enkephalin. Herink J, et al. **Act Nerv Super (Praha)** 1981 Dec;23(4):290–2
Respiratory, analgesic and endocrine responses to an enkephalin analogue in normal man. Lindeburg T, et al. **Acta Anaesthesiol Scand** 1981 Jun;25(3):254–7
Effect of opioid peptides on gonadotrophin secretion. Motta M, et al. **Acta Endocrinol (Copenh)** 1982 Mar;99(3):321–5
Effect of exogenous beta-endorphin on anterior pituitary hormone secretion in man. Oyama T, et al. **Acta Endocrinol (Copenh)** 1982 Jan;99(1):9–13
Effect of a met-enkephalin analogue and naloxone infusion on gonadotrophin secretion in man. Delitala G, et al. **Acta Eur Fertil** 1981 Sep;12(3):287–8
Contralateral circling behaviour induced by intranigral injection of morphine and enkephalin analogue FK 33-824 in rats. Kaakkola S. **Acta Pharmacol Toxicol (Copenh)** 1980 Nov;47(5):385–93
Effect of D-Ala2-met-enkephalinamide and morphine on the activity of choline acetyltransferase and acetylcholinesterase in rat brain. Herman ZS, et al. **Acta Physiol Pol** 1981 May-Jun;32(3):233–7
Effect of met-enkephalin and morphine on gastric secretion and blood flow. Waluś KM, et al. **Acta Physiol Pol** 1981 Jul-Aug;32(4):383–92
Effects of neurotensin, substance P and methionine-enkephalin on colonic motility. Hellström PM, et al. **Acta Physiol Scand** 1981 Oct;113(2):147–54
Central neuropharmacology of D-Ala2-Met-enkephalinamide and its interactions with taurine in rats. Izumi K, et al. **Adv Exp Med Biol** 1981; 139:325–43
Met-enkephalin as a modulator of smooth-muscle mechanical activity. Petkov V, et al. **Agressologie** 1982 Apr; 23(2):57–62
Inhibition of basal and stimulated gastric acid secretion by an enkephalin analogue. Sullivan SN, et al. **Am J Gastroenterol** 1982 Jun;77(6):360–2
The effect of naloxone, morphine, and an enkephalin analogue on cholecystokinin octapeptide-stimulated gallbladder emptying. Worobetz LJ, et al. **Am J Gastroenterol** 1982 Jul;77(7):509–11
Action of preoptic injections of beta-endorphin on temperature regulation in rabbits. Rezvani AH, et al. **Am J Physiol** 1982 Jul;243(1):R104–11
Inhibition of salivary and lacrimal secretion by an enkephalin analogue [letter] Sullivan SN. **Am J Psychiatry** 1982 Mar; 139(3):385–6
The effect of somatostatin and enkephalin on ion transport in the intestine. Dobbins JW, et al. **Ann NY Acad Sci** 1981; 372:594–612
Effect of methionine-enkephalin and naloxone on bombesin-stimulated gastric acid secretion, gastrin, and pancreatic polypeptide release in the dog. Materia A, et al. **Ann Surg** 1982 Jul;196(1):48–52
Behavioral effects of neuropeptides: endorphins and vasopressin. Koob GF, et al. **Annu Rev Physiol** 1982; 44:571–82 (78 ref.)
Effect of (des-Tyr1)-gamma-endorphin on prolactin secretion [letter]. Meltzer HY, et al. **Arch Gen Psychiatry** 1981 Oct;38(10):1183
The effect of intracerebroventricular infusion of morphine, methionine-enkephalin and D-Ala2-enkephalinamide on body temperature of rabbits. Konecka AM, et al. **Arch Int Physiol Biochim** 1982 Apr;90(1):1–7
Interactions between D-ala-met-enkephalin, A10 dopaminergic neurones, and spontaneous behaviour in the rat. Kelley AE, et al. **Behav Brain Res** 1980 Feb;1(1):3–24
Reward produced by microinjection of (D-Ala2),Met5-enkephalinamide into the ventral tegmental area. Phillips AG, et al. **Behav Brain Res** 1982 Jun; 5(2):225–9
Contraversive circling and facilitation of the perioral biting reflex by injection of substance P or D-Ala2-Met-encephalinamide into the substantia nigra. Welzl H, et al. **Behav Neural Biol** 1982 Jan;34(1):104–8
Increased biological activity of dimers of oxymorphone and enkephalin: possible role of receptor crosslinking. Hazum E, et al. **Biochem Biophys Res Commun** 1982 Jan 15; 104(1):347–53
beta-Endorphin inhibits met-enkephalin breakdown by a brain aminopeptidase: structure-activity relationships. Hui KS, et al. **Biochem Biophys Res Commun** 1982 Apr 29; 105(4):1482–7
beta-Endorphin: replacement of glutamic acid in position 8 by glutamine increases analgesic potency and opiate receptor-binding activity. Li CH, et al. **Biochem Biophys Res Commun** 1981 Jul 16;101(1):118–23
Effects of (D-alanine2, methionine5) enkephalinamide on the release of acetylcholine and noradrenaline from brain slices and isolated nerve terminals. Jones CA, et al. **Biochem Pharmacol** 1982 Feb 1;31(3):455–8
Effects of metenkephalin on the formation and fixation of defensive temporal associations and on the incorporation of C14-leucine in brain proteins of the rat. Kruglikov RI, et al. **Biol Bull Acad Sci USSR** 1980 Sep-Oct;7(5):432–4
Effects of opioids on noncholinergic excitatory responses of the guinea-pig isolated ileum: inhibition of release of enteric substance P. Gintzler AR, et al. **Br J Pharmacol** 1982 Jan; 75(1):199–205
Contractile effect of morphine and related opioid alkaloids, beta-endorphin and methionine enkephalin on the isolated colon from Long Evans rats. Huidobro-Toro JP, et al. **Br J Pharmacol** 1981 Nov;74(3):681–94
The effects of morphine and methionine-enkephalin on the release of purines from cerebral cortex slices of rats and mice. Stone TW. **Br J Pharmacol** 1981 Sep;74(1):171–6
Enkephalins, substance P, bradykinin and angiotensin II: differential sites of action on the hypothalamo-neurohypophysial system. Baertschi AJ, et al. **Brain Res** 1981 Sep 7;220(1):107–19

Morphine-induced hyperthermia: lack of cross-tolerance with enkephalin analogs. Clark WG, et al. **Brain Res** 1982 Jan 7;231(1):231-4

Modulation of brain polyphosphoinositide metabolism by ACTH and beta-endorphin: structure-activity studies. Jolles J, et al. **Brain Res** 1981 Nov 16;224(2):315-26

The behavioural effects of enkephalin analogues injected into the ventral tegmental area and globus pallidus. Joyce EM, et al. **Brain Res** 1981 Sep 28;221(2):359-70

Inhibition by morphine and beta-endorphin of vasopressin release evoked by electrical stimulation of the rat medial basal hypothalamus in vitro. Knepel W, et al. **Brain Res** 1982 Apr 29;238(2):484-8

Extinction of hippocampal theta rhythm evoked by mid-brain stimulation after intracerebroventricular administration of substance P fragment and enkephalin administration in rabbits. Kosiński S, et al. **Brain Res** 1981 Oct 5;222(1):65-74

Release and synthesis rates of catecholamines in hypothalamic, limbic and midbrain structures following intraventricular injection of beta-endorphin in male rats. Lohse M, et al. **Brain Res** 1981 Dec 21;229(2):389-402

The effects of neuropeptides on discrete-trial conditioned avoidance responding. Luttinger D, et al. **Brain Res** 1982 Apr 8;237(1):183-92

Neonatal rat spinal cord slice preparation: postsynaptic effects of neuropeptides on dorsal horn neurons. Miletić V, et al. **Brain Res** 1981 Oct;254(3):432-8

The actions of neuropeptides on dorsal horn neurons in the rat spinal cord slice preparation: an intracellular study. Murase K, et al. **Brain Res** 1982 Feb 18;234(1):170-6

Opiate effects on rabbit vagus nerve: electrophysiology and radioligand binding. Shefner SA, et al. **Brain Res** 1981 Sep 21;221(1):109-16

Mechanism of kyotorphin-induced release of Met-enkephalin from guinea pig striatum and spinal cord. Shiomi H, et al. **Brain Res** 1981 Sep 21;221(1):161-9

Effects of centrally administered endogenous opioid peptides on drinking behavior, increased plasma vasopressin concentration and pressor response to hypertonic sodium chloride. Summy-Long JY, et al. **Brain Res** 1981 Sep 28; 221(2):343-57

Effect of des-Tyr1-gamma-endorphin and des-Tyr1-alpha-endorphin on alpha-MPT-induced catecholamine disappearance in rat brain nuclei: a dose--response study. Versteeg DH, et al. **Brain Res** 1982 Jan 14;231(2):343-51

Opioid peptides decrease calcium-dependent action potential duration of mouse dorsal root ganglion neurons in cell culture. Werz MA, et al. **Brain Res** 1982 May 6; 239(1):315-21

Studies on the intrathecal effect of beta-endorphin in primate. Yaksh TL, et al. **Brain Res** 1982 Jun 10;241(2):261-9

Delta opiate receptors are involved in the endopioid-induced myoclonic contractions. Dzoljic MR, et al. **Brain Res Bull** 1982 Jan;8(1):1-6

Role of midbrain raphe nuclei in stress-, pentobarbital-, beta-endorphin-, or TRH-induced changes in plasma PRL levels of adult male rats. Eljarmak D, et al. **Brain Res Bull** 1982 Feb;8(2):149-54

Thermoregulatory effects of centrally administered bombesin, bradykinin, and methionine-enkephalin. Francesconi R, et al. **Brain Res Bull** 1981 Jul;7(1):63-8

Brain beta-endorphin-like immunoreactivity in adult rats given beta-endorphin neonatally. Moldow RL, et al. **Brain Res Bull** 1981 Dec;7(6):683-6

Characterization of the dopamine stimulated adenylate cyclase in the pedal ganglia of Mytilus edulis: interactions with etorphine, beta-endorphin, DALA, and methionine enkephalin. Stefano GB, et al. **Cell Mol Neurobiol** 1981 Mar;1(1):57-68

Central peptidergic stimulation in blood pressure control: role of enkephalins in rats. Yukimura T, et al. **Clin Sci [Suppl]** 1981 Dec;61(7):347s-350s

Endorphinlike drugs. Hill RC, et al. **Drug Ther** 1982;:99-119 (75 ref.)

Influence of body temperature on the epileptogenic effect of enkephalin microinjections into the hippocampus. Elazar Z, et al. **Electroencephalogr Clin Neurophysiol** 1981 Dec; 52(6):640-6

Local electrographic effects of leu-enkephalin microinjections into the brain. Elazar Z, et al. **Electroencephalogr Clin Neurophysiol** 1982 Jul;54(1):91-5

Possible involvement of gamma-aminobutyric acid in growth hormone release induced by a Met5-enkephalin analog in conscious rats. Katakami H, et al. **Endocrinology** 1981 Oct; 109(4):1033-6

A puberty-related attenuation of opiate peptide-induced inhibition of LH secretion. Wilkinson M, et al. **Endocrinology** 1982 Mar;110(3):1046-8

In vivo potentiation of [D-Ala2]Met-enkephalin amide central effects after administration of an enkephalinase inhibitor. Algeri S, et al. **Eur J Pharmacol** 1981 Sep 11; 74(2-3):261-2

The effects of receptor selective opioid peptides on morphine-induced analgesia. Barrett RW, et al. **Eur J Pharmacol** 1982 Jun 4;80(4):427-30

Opiate agonists inhibit neurogenic plasma extravasation in the rat. Barthó L, et al **Eur J Pharmacol** 1981 Jul 17; 73(1):101-4

A new technique for the in vivo bioassay of opiates and other drugs on mouse spinal cord. Fu TC, et al. **Eur J Pharmacol** 1981 Sep 11;74(2-3):239-42

Excitability of beta-endorphin, morphine and catecholamines of the vas deferens of the rat at different stages of development. Huidobro-Toro JP, et al. **Eur J Pharmacol** 1981 Nov 19;76(1):115-8

Correlation between pharmacological and opiate receptor binding activities of tetrapeptide acylhydrazide analogs of enkephalin. Kawai K, et al. **Eur J Pharmacol** 1981 Jul 10; 72(4):297-304

Des-tyr-gamma-endorphin (DT gamma E) and pineal levels of melatonin and arginine vasopressin (AVP). King MG, et al. **Eur J Pharmacol** 1981 Dec 3;76(2-3):271-4

Lack of effect of des-tyrosine1-gamma-endorphin on in vivo [3H]spiperone binding. Lahti RA, et al. **Eur J Pharmacol** 1982 May 7;80(1):127-9

Des-tyrosine1-gamma-endorphin increases the antinociceptive efficacy of morphine in the rat. Neil A, et al. **Eur J Pharmacol** 1981 Nov 19;76(1):93-5

Evidence that dynorphin-(1-13) acts as an agonist on opioid kappa-receptors. Oka T, et al. **Eur J Pharmacol** 1982 Jan 22;77(2-3):137-41

The choice of opiate receptor subtype by neo-endorphins. Oka T, et al. **Eur J Pharmacol** 1982 Apr 23;79(3-4):301-5

Analgesic activity of intraspinally administered dynorphin and ethylketocyclazocine. Piercey MF, et al. **Eur J Pharmacol** 1982 May 21;80(2-3):283-4

Dynorphins: similar relative potencies on mu, delta- and kappa-opiate receptors. Quirion R, et al. **Eur J Pharmacol** 1981 Dec 17;76(4):467-8

[Met5]enkephalin-Arg-Phe ACTS on vascular opiate receptors. Rónai AZ, et al. **Eur J Pharmacol** 1982 Apr 23;79(3-4):337-8

Morphine and [D-Met2,Pro5]enkephalinamide do not show specific neuroleptic activity. Sineger E, et al. **Eur J Pharmacol** 1982 Jun 4;80(4):359-68

Possible regulatory role of dynorphin-(1-13) on narcotic-induced changes in naloxone efficacy. Tulunay FC, et al. **Eur J Pharmacol** 1981 Dec 3;76(2-3):235-9

A characterization of dynorphin-(1-13) on the guinea pig ileal longitudinal muscle. Vaught JL. **Eur J Pharmacol** 1981 Dec 17;76(4):453-6

Opioids increase laryngeal resistance and motoneuron activity in the recurrent laryngeal nerve. Willette RN, et al. **Eur J Pharmacol** 1982 May 7;80(1):57-63

Effects of thiorphan on the antinociceptive actions of intrathecal [D-Ala2,Met5] enkephalin. Yaksh TL, et al. **Eur J Pharmacol** 1982 Apr 23;79(3-4):293-300

Differential effects of enkephalin within hippocampal areas. Tielen AM, et al. **Exp Brain Res** 1981;44(3):343-6

Effect of enkephalins in the presence of the antibiotic bacitracin in the longitudinal muscle strip preparation from guinea-pig ileum. Aleixandre A, et al. **Experientia** 1981 Dec 15;37(12):1318-20

Enkephalins induce asymmetrical effects on posture in the rat. Chazov EI, et al. **Experientia** 1981;37(8):887-9

Effect of des-Tyr1-gamma-endorphin on serotonin metabolism in rat brain regions. Kurachi M, et al. **Experientia** 1982 May 15;38(5):598-9

(D-Ala2, N-Val5), (D-Ala2, Met5) enkephalins and enkephalinamides. Correlation between biological activity and NMR features. Gairin JE, et al. **FEBS Lett** 1981 Jun 1;128(1):51-4

Biogenic amines and beta-endorphin responses in the rat vas deferens. Miranda H, et al. **Gen Pharmacol** 1982;13(1):45-8

Electronic, steric, and hydrophobic factors influencing the action of enkephalin-like peptides on opiate receptors. Do KQ, et al. **Hoppe Seylers Z Physiol Chem** 1981 Jun; 362(6):601-10

The effect of methionine enkephalin on prolactin and luteinizing hormone levels in intact and castrated rats. Goldberg R, et al. **Horm Metab Res** 1982 Feb;14(2):89-92

Vasopressin release does not contribute to pressor action of enkephalin in SHR. Rockhold RW, et al. **Hypertension** 1981 Jul-Aug;3(4):410-5

Effects of [D-Ala2]-methionine-enkephalin on blood pressure, heart rate, and baroreceptor reflex sensitivity in conscious cats. Yukimura T, et al. **Hypertension** 1981 Sep-Oct;3(5):528-33

Enhanced analgesic activity of liposomised Met-enkephalin analogue. Khan MF. **Indian J Biochem Biophys** 1981 Dec; 18(6):440-1

Beta-endorphin. Vasodilating effect on the microcirculatory system of hamster cheek pouch. Wong TM, et al. **Int J Pept Protein Res** 1981 Oct;18(4):420-2

Evaluation of the analgesic activity of morphine, enkephalins and their synthetic analogues. Aloisi F, et al. **Isr J Med Sci** 1982 Jan;18(1):183-6

Evidence that morphine and opioid peptides do not share a common pathway with adenosine in inhibiting acetylcholine release from isolated intestine. Vizi ES, et al. **J Auton Pharmacol** 1981 Dec;1(5):413-9

Effects of a met-enkephalin analog on adrenocorticotropin (ACTH), growth hormone, and prolactin in patients with ACTH hypersecretion. Allolio B, et al. **J Clin Endocrinol Metab** 1982 Jul;55(1):1-7

Peripherally administered beta-endorphin increases cerebrospinal fluid endorphin immunoreactivity. Gerner RH, et al. **J Clin Endocrinol Metab** 1982 Aug;55(2):358-60

A met-enkephalin analog inhibits adrenocorticotropin secretion by cultured pituitary cells from a patient with Nelson's syndrome. Lamberts SW, et al. **J Clin Endocrinol Metab** 1981 Nov;53(5):1084-6

Met-enkephalin inhibits mineralocorticoid production in isolated human aldosteronoma cells. Rácz K, et al. **J Clin Endocrinol Metab** 1982 Mar;54(3):656-60

Characterization of opiate-mediated responses of the feline ileum and ileocecal sphincter. Ouyang A, et al. **J Clin Invest** 1982 Mar;69(3):507-15

Behavioral and electrocortical effects of beta-endorphin after intracerebral infusion in rats. Nisticò G, et al. **J Med** 1981; 12(6):463-74

Evidence of the preferential involvement of mu receptors in analgesia using enkephalins highly selective for peripheral mu or delta receptors. Gacel G, et al. **J Med Chem** 1981 Oct;24(10):1119-24

Evidence that inhibition of nicotine-mediated catecholamine secretion from adrenal chromaffin cells by enkephalin, beta-endorphin, dynorphin (1-13), and opiates is not mediated via specific opiate receptors. Dean DM, et al. **J Neurochem** 1982 Mar;38(3):606-14

Serotonin and gamma-aminobutyric acid turnover after injection into the median raphe of substance P and D-ala-met-enkephalin amide. Forchetti CM, et al. **J Neurochem** 1982 May;38(5):1336-41

Possible mechanisms of enkephalin action on hippocampal CA1 pyramidal neurons. Dingledine R. **J Neurosci** 1981 Sep;1(9):1022-35

Dopamine and [D-ALA2, D-Leu5]enkephalin inhibit the electrically stimulated neurohypophyseal release of vasopressin in vitro: evidence for calcium-dependent opiate action. Lightman SL, et al. **J Neurosci** 1982 Jan;2(1):78-81

Methionine-enkephalin and morphine: amount ejected microiontophoretically. Hosford DA, et al. **J Neurosci Methods** 1981 Aug;4(2):135-9

On the presence of met 5-enkephalin receptors on the plasma membrane of Deiters' neurons and their modulation of GABA transport. Cupello A, et al. **J Neurosci Res** 1981; 6(5):579-83

Suppression of ethanol consumption by MET-enkephalin in rats. Ho AK, et al. **J Pharm Pharmacol** 1982 Feb; 34(2):118-9

The in vitro pharmacology of D-Met2,Pro5-enkephalinamide. Rónai AZ, et al. **J Pharm Pharmacol** 1981 Aug;33(8):534-5

Analysis of the 2-deoxy-D-glucose-induced vagal stimulation of gastric secretion and gastrin release in dogs using methionine-enkephalin, morphine and naloxone. Anderson W, et al. **J Pharmacol Exp Ther** 1982 Sep; 222(3):617-22

Effects of intraventricular morphine and enkephalins on schedule-controlled behavior in nondependent, morphine-dependent and postdependent rats. Brady LS, et al. **J Pharmacol Exp Ther** 1981 Nov;219(2):344-51

Analgesic effects of intraventricular morphine and enkephalins in nondependent and morphine-dependent rats. Brady LS, et al. **J Pharmacol Exp Ther** 1982 Jul; 222(1):190-7

Modulation of peripheral adrenergic neurotransmission by methionine-enkephalin. Gaddis RR, et al. **J Pharmacol Exp Ther** 1982 May;221(2):282-8

Cyclic AMP, morphine, met-enkephalin and neuronal firing. Hosford DA, et al. **J Pharmacol Exp Ther** 1981 Nov; 219(2):496-504

Modulation of dopamine release in rat striatal slices by delta opiate agonists. Lubetzki C, et al. **J Pharmacol Exp Ther** 1982 Aug;222(2):435-40

Morphine-like action of enkephalin analog FK 33-824 on motility of the isolated rat colon. Scheurer U, et al. **J Pharmacol Exp Ther** 1981 Nov;219(2):534-9

Possible regulatory role of dynorphin on morphine- and beta-endorphin-induced analgesia. Tulunay FC, et al. **J Pharmacol Exp Ther** 1981 Nov;219(2):296-8

The effect of acute opioid administration on the phosphorylation of rat striatal synaptic membrane proteins. Williams N, et al. **J Pharmacol Exp Ther** 1982 Feb; 220(2):278-86

Kappa opioid properties of dynorphin and its peptide fragments on the guinea-pig Ileum. Yoshimura K, et al. **J Pharmacol Exp Ther** 1982 Jul;222(1):71-9

Effects of synthetic beta-endorphin on release of neurohypophyseal hormones [letter] Reid RL, et al. **Lancet** 1981 Nov 21;2(8256):1169-70

Enhanced response to apomorphine in rats treated with multiple injections of human beta endorphin and its blockade by Pro-Leu-Gly-NH2 and cyclo (Leu-Gly). Bhargava HN. **Life Sci** 1981 Nov 9;29(19):1945-9

Lack of tolerance in heroin-addicts to the neuroendocrine effects of an enkephalin analogue. Brambilla F, et al. **Life Sci** 1981 Aug 3;29(5):493-501

Analgesic activity of intracerebroventricular administration of morphiceptin and beta-casomorphins: correlation with the morphine (micro) receptor binding affinity. Chang KJ, et al. **Life Sci** 1982 May 3;30(18):1547-51

A quantitative analysis of the shaking behavior induced in rats by beta-endorphin and [D-Ala2, Met5]enkephalinamide. Cowan A, et al. **Life Sci** 1982 Jan 11;30(2):171-6

Changes in pituitary hormone levels induced by met-enkephalin in man--the role of dopamine. Delitala G, et al. **Life Sci** 1981 Oct 12;29(15):1537-44

The influence of beta-LPH fragments on alpha-MSH release: the involvement of a dopaminergic system. de Rotte AA, et al. **Life Sci** 1981 Aug 24;29(8):825-32

Opposite temporal changes after a single central

administration of B-endorphin: tolerance and sensitization. Jacquet YF. **Life Sci** 1982 Jun 21;30(25):2215-9

Suppressive effect of dynorphin-(1-13) on luteinizing hormone release in conscious castrated rats. Kinoshita F, et al. **Life Sci** 1982 May 31;30(22):1915-9

Hyperactivity versus explosive motor behavior induced by opioids in the rat. Mechanisms elucidated with enkephalin-tyrosine-o-sulfate and morphine congeners. LaBella FS, et al. **Life Sci** 1982 May 3;30(18):1565-71

Intracerebroventricular beta-endorphin increases food intake of rats. McKay LD, et al. **Life Sci** 1981 Oct 5; 29(14):1429-34

Endogenous opiates inhibit gastric acid secretion induced by central administration of thyrotropin-releasing hormone (TRH). Morley JE, et al. **Life Sci** 1981 Jul 20;29(3):293-7

Dynorphin-(1-13) induces spontaneous feeding in rats. Morley JE, et al. **Life Sci** 1981 Nov 2;29(18):1901-3

An inhibitory role of beta-endorphin in central cardiovascular regulation. Petty MA, et al. **Life Sci** 1982 May 24;30(21):1835-40

The effect of beta-endorphin on arginine-induced growth hormone and prolactin release. Reid RL, et al. **Life Sci** 1981 Dec 21;29(25):2641-7

beta-Lipotropin increases plasma insulin immunoreactivity. Schwandt P, et al. **Life Sci** 1981 Jul 27;29(4):345-9

Effect of beta-endorphin on the steroid production of isolated zona glomerulosa and zona fasciculata cells. Szalay KS, et al. **Life Sci** 1981 Sep 28;29(13):1355-61

Comparison of the anticonvulsant effects of opioid peptides and etorphine in rats after icv administration. Tortella FC, et al. **Life Sci** 1981 Sep 7;29(10):1039-45

Comparison of analgesic and body temperature responses to intrathecal beta-endorphin and D-Ala2-D-Leu5-enkephalin. Tseng LF. **Life Sci** 1981 Oct 5;29(14):1417-24

Effects of beta-endorphin fragments on plasma levels of vasopressin. van Wimersma Greidanus TB, et al. **Life Sci** 1981 Aug 24;29(8):783-8

Mu and delta receptors: their role in analgesia in the differential effects of opioid peptides on analgesia. Vaught JL, et al. **Life Sci** 1982 Apr 26;30(17):1443-55

Opiates and enkephalins: a common binding site mediates their analgesic actions in rats. Zhang AZ, et al. **Life Sci** 1981 Aug 24;29(8):843-51

Anxiolytic properties of opiates and endogenous opioid peptides and their relationship to the actions of benzodiazepines. Millan MJ, et al. **Mod Probl Pharmacopsychiatry** 1981;17:123-41

Endorphins and ventilatory control [letter] **N Engl J Med** 1981 Oct 15;305(16):958-60

Opioid peptides induce reduction of enkephalin receptors in cultured neuroblastoma cells. Chang KJ, et al. **Nature** 1982 Apr 1;296(5856):446-8

Mammalian neuronal actions of FMRFamide and the structurally related opioid Met-enkephalin-Arg6-Phe7. Gayton RJ. **Nature** 1982 Jul 15;298(5871):275-6

Enkephalin opens potassium channels on mammalian central neurones. Williams JT, et al. **Nature** 1982 Sep 2; 299(5878):74-7

Super-active enkephalin analogues. Simple tripeptide hydroxyalkylamides exhibit surprisingly high and long-lasting opioid activities. Kiso Y, et al. **Naturwissenschaften** 1981 Apr;68(4):210-2

Analgesic activity of enkephalin analogues containing aminophosphonic acid residues at C-terminal position. Mastalerz P, et al. **Naturwissenschaften** 1982 Jan;69(1):46-7

Effect of intraventricular beta-endorphin and morphine on hypothalamic-pituitary-adrenal activity and the release of pituitary beta-endorphin. Haracz JL, et al. **Neuroendocrinology** 1981 Sep;33(3):170-5

Involvement of alpha-adrenergic mechanisms in growth hormone release induced by opioid peptides in conscious rats. Katakami H, et al. **Neuroendocrinology** 1981 Sep; 33(3):129-35

Plasma norepinephrine, epinephrine and dopamine responses to intracerebral administration of a met-enkephalin analog, D-ala2-met-enkephalinamide, in rats. Van Loon GR, et al. **Neuroendocrinology** 1981 Sep;33(3):153-7

Differences in central effects of beta-endorphin and enkephalins: beta-endorphin. A potent psychomotor stimulant. Beleslin DB, et al. **Neuropharmacology** 1982 Jan; 21(1):99-102

Effects of acute intravenous administration of met-enkephalin in the rabbit: a computer analysis. Ferrillo F, et al. **Neuropharmacology** 1982 May;21(5):423-7

Selective attenuation of passive avoidance behaviour by microinjection of beta-LPH62-77 and beta-LPH66-77 into the nucleus accumbens in rats. Kovács GL, et al. **Neuropharmacology** 1982 May;21(5):451-4

Effects of sulfonated Leu-enkephalin applied iontophoretically to cat respiratory neurones. Rondouin G, et al. **Neuropharmacology** 1981 Oct;20(10):963-7

Dramatic increase in pineal melatonin levels in the rat after subcutaneous injection of Des-tyrosine1-gamma-endorphin. Geffard M, et al. **Neurosci Lett** 1981 Dec 23;27(3):329-34

Evidence for analgesic activity of beta-casomorphin in rats. Grecksch G, et al. **Neurosci Lett** 1981 Dec 23;27(3):325-8

Possible modulatory role of dynorphin on the excitation by neurotensin on the guinea pig myenteric plexus. Huidobro-Toro JP, et al. **Neurosci Lett** 1982 Jun 30; 30(3):309-14

Noradrenergic terminal excitability: effects of opioids. Nakamura S, et al. **Neurosci Lett** 1982 May 17;30(1):57-62

Enkephalin-related peptides: direct action on the octopus heart. Voigt KH, et al. **Neurosci Lett** 1981 Nov 18; 27(1):25-30

Microanatomy of enkephalin-containing neurones in the developing rat spinal cord in vitro. Haynes LW, et al. **Neuroscience** 1981;6(10):1899-916

Selective inhibition of 'motor endplate-specific' acetylcholinesterase by beta-endorphin and related peptides. Haynes LW, et al. **Neuroscience** 1982 Apr; 7(4):1007-13

Opiates and enkephalin reduce the excitability of neuronal processes. Morita K, et al. **Neuroscience** 1981;6(10):1943-51

Opiate and opioid peptide effects on brain stem neurons: relevance to nociception and antinociceptive mechanisms. Gebhart GF. **Pain** 1982 Feb;12(2):93-140 (275 ref.)

Effects of beta-endorphin on body temperature in mice at different ambient temperatures. Bloom AS, et al. **Peptides (Fayetteville)** 1981 Fall;2(3):293-7

beta-Endorphin-induced hyperthermia in the cat. Clark WG, et al. **Peptides (Fayetteville)** 1981 Fall;2(3):371-3

Effect of beta-endorphin on the thermal excitability of preoptic neurons in the unanesthetized rabbit. Gordon CJ, et al. **Peptides (Fayetteville)** 1981 Winter;2(4):397-401

Action of selected serotonin antagonists on hyperthermia evoked by intracerebrally injected beta-endorphin. Martin GE, et al. **Peptides (Fayetteville)** 1981 Summer;2(2):213-7

Opiate peptides modulate somatostatin release from dispersed hypothalamic cells. Moldow RL, et al. **Peptides (Fayetteville)** 1981 Winter;2(4):489-92

Dynorphin (1-13): analgesia, hypothermia, cross-tolerance with morphine and beta-endorphin. Petrie EC, et al. **Peptides (Fayetteville)** 1982 Jan-Feb;3(1):41-7

Cardiopulmonary pharmacology of enkephalins in the conscious dog. Sander GE, et al. **Peptides (Fayetteville)** 1981 Winter;2(4):403-7

Behavioral effects of dynorphin 1-13 in the mouse and rat: initial observations. Walker JM, et al. **Peptides (Fayetteville)** 1980 Winter;1(4):341-5

Modification of d-amphetamine- or chlorpromazine-induced hypothermia by beta-endorphin, MIF-I, and alpha-MSH: mediation by the dopaminergic system. Yehuda S, et al. **Peptides (Fayetteville)** 1982 Mar-Apr;3(2):105-10

Strain dependent effects of the enkephalin analogue FK 33-824 on locomotor activity in mice. Castellano C. **Pharmacol Biochem Behav** 1981 Nov;15(5):729-34

Depression of learned thermoregulatory behavior by central injection of opioids in cats. Clark WG, et al. **Pharmacol Biochem Behav** 1982 Jun;16(6):983-8

Extreme hyperthermia induced in cats by the enkephalin analog FK 33-824. Clark WG, et al. **Pharmacol Biochem Behav** 1982 Jun;16(6):989-93

Benzodiazepines decrease grooming in response to novelty but not ACTH or beta-endorphin. Dunn AJ, et al. **Pharmacol Biochem Behav** 1981 Oct;15(4):605-8

Dynorphin-(1-13), dopamine and feeding in rats. Morley JE, et al. **Pharmacol Biochem Behav** 1982 May;16(5):701-5

D-Ala2,D-Leu5-enkephalin generalizes to a discriminative stimulus produced by fentanyl but not ethylketocyclazocine. Shearman GT, et al. **Pharmacol Biochem Behav** 1982 Feb;16(2):249-52

Stimulation of drinking behaviour and of renin release induced by intracerebroventricular injections of D-Ala2,D-Leu5-enkephalin to rats. Cantalamessa F, et al. **Pharmacol Res Commun** 1982 Feb;14(2):141-52

The lipolytic activity of met-enkephalin, leu-enkephalin, morphine, methadone and naloxone in human adipose tissue. Nencini P, et al. **Pharmacol Res Commun** 1981 Jun; 13(6):535-40

Opiate antagonists and agonists and feeding in sheep. Baile CA, et al. **Physiol Behav** 1981 Jun;26(6):1019-23

beta-Endorphin-induced psychomotor excitation in the cat. Beleskin DB, et al. **Physiol Behav** 1982 Jan;28(1):195-7

Kyotorphins affect aversive pecking in chicks. Kastin AJ, et al. **Physiol Behav** 1981 Dec;27(6):1073-6

Inhibitory effects of motilin, somatostatin, [Leu]enkephalin, [Met]enkephalin, and taurine on neurons of the lateral vestibular nucleus: interactions with gamma-aminobutyric acid. Chan-Palay V, et al. **Proc Natl Acad Sci USA** 1982 May;79(10):3355-9

beta-Endorphin enhances lymphocyte proliferative responses. Gilman SC, et al. **Proc Natl Acad Sci USA** 1982 Jul;79(13):4226-30

Regulation of the in vitro antibody response by neuroendocrine hormones. Johnson HM, et al. **Proc Natl Acad Sci USA** 1982 Jul;79(13):4171-4

Beta-endorphin: replacement of tyrosine in position 27 by tryptophan increases analgesic potency--preparation and properties of the 2-nitrophenylsulfenyl derivative. Li CH, et al. **Proc Natl Acad Sci USA** 1982 Feb;79(4):1042-4

Morphine and opioid peptides reduce inhibitory synaptic potentials in hippocampal pyramidal cells in vitro without alteration of membrane potential. Siggins GR, et al. **Proc Natl Acad Sci USA** 1981 Aug;78(8):5235-9

Effects of a synthetic Met5-enkephalin analog on plasma luteinizing hormone and prolactin levels in conscious orchiectomized rats. Kato Y, et al. **Proc Soc Exp Biol Med** 1982 Jan;169(1):95-100

Methods for evaluating effects of opioid peptides in laboratory animals. **Psychopharmacol Bull** 1981 Jul; 17(3):106-11

Postsynaptic inhibitory effects of Met- and Leu-enkephalin on endocrine and adjacent neurones in the preoptic-septal region of the guinea pig. Carette B, et al. **Regul Pept** 1982 Feb;3(2):125-33

Methionine enkephalin increases CNS suppressive control exerted over gill reflex behaviours and associated neural activity in Aplysia california. Lukowiak K, et al. **Regul Pept** 1982 Mar;3(3-4):303-12

A comparison of the ability of opioid peptides and opiates to affect active avoidance conditioning in rats. Rigter H, et al. **Regul Pept** 1981 Sep;2(5):317-32

Interaction of beta-endorphin, naloxone and dopamine: effects on melanocyte-stimulating hormone secretion of amphibian pituitaries in vitro. Saland LC, et al. **Regul Pept** 1982 May;3(5-6):371-81

Morphiceptin (beta-casomorphin (1-4) amide): a peptide opioid antagonist in the field stimulated rat vas deferens. Day AR, et al. **Res Commun Chem Pathol Pharmacol** 1981 Dec;34(3):543-6

Effects of enkephalins versus opiates on locomotor activity of the horse. Nugent TE, et al. **Res Commun Chem Pathol Pharmacol** 1982 Mar; 35(3):405-19

The effect of a synthetic met-enkephalin analogue (FK 33-824) on gastric acid secretion and serum gastrin in man. Skov Olsen P, et al. **Scand J Gastroenterol** 1981;16(4):531-3

Both mu and delta opiate receptors exist on the same neuron. Egan TM, et al. **Science** 1981 Nov 20;214(4523):923-4

Effects of beta-endorphin and morphine on the sleep-wakefulness behavior of cats. King C, et al. **Sleep** 1981 Sep;4(3):259-62

Perinatal exposure to delta 9-THC in mice: altered enkephalin and norepinephrine sensitivity in vas deferens. Dalterio S, et al. **Subst Alcohol Actions Misuse** 1980; 1(5-6):467-71

Plasma LH, FSH and TSH responses to the synthetic enkephalin analog (FK 33-824) in normal subjects and patients with pituitary diseases. Demura R, et al. **Tohoku J Exp Med** 1982 Jul;137(3):283-7

[Relationship of calcium ion with opiate and endorphins (author's transl)] Zhang ZX. **Sheng Li Ko Hsueh Chin Chan** 1982 Jan;13(1):48-53 **(Chi)**

[Implication of enkephalins in central cardiovascular regulation in the rat] Bellet M, et al. **Arch Mal Coeur** 1982 Jun;75 Spec No:37-40 (Eng. Abstr.) **(Fre)**

[Possible mechanisms of peripheral stimulation analgesia. Neurophysiologic and neuropharmacologic studies] Pauser G. **Fortschr Med** 1981 Sep 3;99(33):1301-2 **(Ger)**

[Effects of intrathecal injection of beta-endorphin on endocrine function in man (author's transl)] Yamaya R. **Masui** 1981 May;30(5):445-52 (Eng. Abstr.) **(Jpn)**

[Mechanisms of analgesic action of opioid peptides (author's transl)] Satoh M. **Yakugaku Zasshi** 1982 Jan;102(1):1-16 (69 ref.) (Eng. Abstr.) **(Jpn)**

[Effect of leu- and met-enkephalins on the brain's reinforcement systems] Ignatov IuD, et al. **Biull Eksp Biol Med** 1981 Jul;92(7):33-5 (Eng. Abstr.) **(Rus)**

[Effect of met- and leu-enkephalins and their synthetic analog on stimulation and acupuncture analgesia] Ignatov IuD, et al. **Biull Eksp Biol Med** 1981 Aug;92(8):53-6 (Eng. Abstr.) **(Rus)**

[Role of cyclic nucleotides in the mechanism of action of enkephalins] Maĭzelis MIa, et al. **Biull Eksp Biol Med** 1982 Mar;93(3):33-5 **(Rus)**

[Inhibitory effect of methionine enkephalin and morphine on pentagastrin-stimulated gastric secretion in dogs] Smagin VG, et al. **Biull Eksp Biol Med** 1981 Nov;92(11):526-8 (Eng. Abstr.) **(Rus)**

[Postural asymmetry induced by enkephalin analogs] Vartanian GA, et al. **Biull Eksp Biol Med** 1982 Mar; 93(3):50-2 **(Rus)**

[Comparative action of met-enkephalin and gamma-endorphin on the neuronal reactions of the rabbit dorsomedial hypothalamus to electrocutaneous and acupuncture stimulation] Iasnetsov VV, et al. **Dokl Akad Nauk SSSR** 1981;260(6):1502-6 **(Rus)**

[Enkephalin inhibition of the electrical activity of the visual cortex of the left and right hemispheres] Pivovarov AS, et al. **Dokl Akad Nauk SSSR** 1981;261(1):240-4 **(Rus)**

[Effect of opiate peptides on interneuronal transmission in the spinal cord] Aliautdin RN, et al. **Farmakol Toksikol** 1981 Jul-Aug;44(4):406-10 (Eng. Abstr.) **(Rus)**

[Pharmacological study of synthetic analogs of enkephalins] Bespalova ZhD, et al. **Farmakol Toksikol** 1982 Mar-Apr; 45(2):39-44 **(Rus)**

[Action of enkephalins and their analogs on gastric secretion] Barashkova GM, et al. **Fiziol Zh SSSR** 1982 May; 68(5):632-8 (Eng. Abstr.) **(Rus)**

[Effect of central administration of leu-enkephalin on neurosecretory cells of the paraventricular nucleus of the hypothalamus and enterochromaffin cells of the stomach] Klimov PK, et al. **Fiziol Zh SSSR** 1981 Aug;67(8):1139-44 (Eng. Abstr.) **(Rus)**

[Sensitivity of neurons in different regions of the brain to met-enkephalin, beta-endorphin, and thyroliberin in the rat] Mironov SF, et al. **Fiziol Zh SSSR** 1981 Aug; 67(8):1145-51 (Eng. Abstr.) **(Rus)**

[Interaction of opiates and opioid peptides with cerebral mediator systems] Bulaev VM, et al. **Usp Fiziol Nauk** 1982 Apr-May;13(2):65-92 (249 ref.) **(Rus)**

[Opiates and endogenous morphine-like peptides: systematic approach to evaluating their role in integrating neural and endocrine regulation in the body] Vedernikova NN, et al. **Usp Sovrem Biol** 1981 May-Jun;91(3):380-92 (89 ref.) **(Rus)**

[Theoretical bases in the search for new cardiovascular agents among peptides] Val'dman AV, et al. **Vestn Akad Med Nauk SSSR** 1982;(5):14-23 (56 ref.) **(Rus)**

[GABA-ergic component in the mechanism of action of narcotic analgesics and enkephalin analogs] Zakusov VV, et al. **Vestn Akad Med Nauk SSSR** 1982;(5):45-53 **(Rus)**

[Morphine and beta-endorphin in the S-region of the ventral surface of the medulla oblongata: respiratory and cardiovascular effects] Flórez J, et al. **Arch Farmacol Toxicol** 1981 Apr;7(1):45-8 **(Spa)**

PHYSIOLOGY

Endorphins and the modulation of acute pain. Terenius L, et al. **Acta Anaesthesiol Scand [Suppl]** 1982;74:21-4

Physiological role of endorphins in neuroendocrinology. Dupont A, et al. **Acta Physiol Pol** 1981;32 Suppl 23:37-57 (45 ref.)

Central mechanisms of opioid analgesia. Pasternak GW. **Acupunct Electrother Res** 1981;6(2-3):135-49 (50 ref.)

A possible role of opioid substances in depression. Emrich HM. **Adv Biochem Psychopharmacol** 1982;32:77-84 (39 ref.)

Descending control of pain transmission: possible serotonergic-enkephalinergic interactions. Basbaum AI. **Adv Exp Med Biol** 1981;133:177-89

On the etiopathogenesis of migraine: a possible link between the amines and endorphin hypotheses. Agnoli A, et al. **Adv Neurol** 1982;33:99-106

Endorphins in the pathogenesis of headache. Della Bella D, et al. **Adv Neurol** 1982;33:75-9

Disruption of iris adrenergic transmission as an index of poor endorphin modulation in headache. Fanciullacci M, et al. **Adv Neurol** 1982;33:365-74

Mechanisms of opiate analgesia and the role of endorphins in pain suppression. Pert A. **Adv Neurol** 1982;33:107-22 (181 ref.)

Natural opioids in migraine. Sicuteri F. **Adv Neurol** 1982; 33:65-74

Endorphins and modulation of pain. Terenius L. **Adv Neurol** 1982;33:59-64

Endogenous morphines and pain. Jacob J. **Agents Actions** 1981 Dec;11(6-7):634-6

The role of the endogenous opiates as regulators of appetite. Morley JE, et al. **Am J Clin Nutr** 1982 Apr;35(4):757-61 (46 ref.)

Hypophysectomy alters cardiorespiratory variables: central effects of pituitary endorphins in shock. Holaday JW, et al. **Am J Physiol** 1981 Oct;241(4):H479-85

Endorphins in experimental spinal injury: therapeutic effect of naloxone. Faden AI, et al. **Ann Neurol** 1981 Oct; 10(4):326-32

Behavioral pharmacology of the endorphins. Berger PA, et al. **Annu Rev Med** 1982;33:397-415 (182 ref.)

Endorphins and behavior. Bolles RC, et al. **Annu Rev Psychol** 1982;33:87-101

Endorphinergic mechanisms in the control of food and water intake. Sanger DJ. **Appetite** 1981 Sep;2(3):193-208 (103 ref.)

Alterations of immunoreactive beta-endorphin in the third ventricular fluid in response to electrical stimulation of the human periaqueductal gray matter. Amano K, et al. **Appl Neurophysiol** 1980;43(3-5):150-8

Tolerance to opiate-like material released in the myenteric plexus from dependent guinea-pig. Martin MI, et al. **Arch Farmacol Toxicol** 1981 Aug;7(2):223-30

Endorphins in septic shock: hemodynamic and endocrine effects of an opiate receptor antagonist and agonist. Gahhos FN, et al. **Arch Surg** 1982 Aug;117(8):1053-7

Schooling behavior of fish: an opiate-dependent activity? Kavaliers M. **Behav Neural Biol** 1981 Dec;33(4):397-401

Pain, itch and endorphins. Summerfield JA. **Br J Dermatol** 1981 Dec;105(6):725-6

Endogenous opioid poisoning? [letter] Murray K. **Br Med J [Clin Res]** 1982 Mar 13;284(6318):822

Evidence for an interaction of opioid and noradrenergic locus coeruleus systems in the regulation of environmental stimulus-directed behavior. Arnsten AF, et al. **Brain Res** 1981 Oct 19;222(2):351-63

Endogenous opioid peptides. Goedert M, et al. **Bull Soc Sci Med Grand Duche Luxemb** 1981;118(1):7-17

The role of opiate peptides in the control of prolactin in the puerperium, and TSH in primary hypothyroidism. Grossman A, et al. **Clin Endocrinol (Oxf)** 1982 Mar; 16(3):317-20

Opioid peptides and blood pressure regulation. Lang RE, et al. **Clin Exp Hypertens [A]** 1982;4(1-2):249-69

Beta-Endorphin, an endogenous depressor agent in the rat? Petty MA, et al. **Clin Sci [Suppl]** 1981 Dec;61(7):339s-342s

The role of gastrointestinal and neuronal peptides in the pathophysiology of diabetes mellitus. Ganda OP. **Diabetes Care** 1981 May-Jun;4(3):435-42 (97 ref.)

Evidence for an endorphin dysfunction in methadone addicts: lack of ACTH response to naloxone. Gold MS, et al. **Drug Alcohol Depend** 1981 Nov;8(3):257-62

Opioid regulation of prolactin secretion: evidence for a specific role of beta-endorphin. Ragavan VV, et al. **Endocrinology** 1981 Nov;109(5):1769-71

Opiate-like electroencephalographic and behavioral effects of electroconvulsive shock in rats. Tortella FC, et al. **Eur J Pharmacol** 1981 Dec 3;76(2-3):121-8

Electrophysiological evidence for a possible serotonergic involvement in some endogenous opiate activity in humans. Willer JC, et al. **Eur J Pharmacol** 1982 Feb 19;78(1):117-20

Evidence against transmitter function of met-enkephalin and chemosynaptic impulse generation in 'Merkel cell' mechanoreceptors. Gottschaldt KM, et al. **Exp Brain Res** 1982;45(3):459-63

Inhibition of periaqueductal gray neurons by the arcuate nucleus: partial mediation by an endorphin pathway. Strahlendorf JC, et al. **Exp Brain Res** 1982;46(3):462-6

Effects of opioid peptides on thermoregulation. Clark WG. **Fed Proc** 1981 Nov;40(13):2754-9

Lipo-corticotropic hormones and Cushing's disease. **Horm Res** 1980;13(4-5):201-343

The analgesic effect of calcitonin in humans: studies on the role of opioid peptides. Fabbri A, et al. **Int J Clin Pharmacol Ther Toxicol** 1981 Nov;19(11):509-11

Evidence for a role of opioid peptides in the release of arginine vasopressin in the conscious rat. Ishikawa S, et al. **J Clin Invest** 1982 Mar;69(3):666-72

Methionine-enkephalin and leucine-enkephalin in human sympathoadrenal system and pheochromocytoma. Yoshimasa T, et al. **J Clin Invest** 1982 Mar;69(3):643-50

A multiplicity of opiate receptors and enkephalin neuronal systems. Snyder SH. **J Clin Psychiatry** 1982 Jun;43(6 Pt 2):9-12

Pharmacological challenges to the endogenous opioid system in affective illness. Cohen MR, et al. **J Clin Psychopharmacol** 1981 Jul;1(4):223-31 (89 ref.)

Is endorphin dysregulation implicated in facilitation of pain sensation and of nociceptive reflexes in human obesity? Willer JC, et al. **J Med** 1981;12(2-3):205-8

Naloxone reversible reduction in brain monoamine synthesis following sciatic nerve stimulation. Nissbrandt H, et al. **J Neural Transm** 1982;53(2-3):91-100

Possibility of opioid and anti-opioid system [letter] Gillman MA, et al. **J R Soc Med** 1981 Dec;74(12):943-4

Endorphin-mental illness link far from proved [news] Check WA. **JAMA** 1982 Feb 5;247(5):570-1, 575-7

Adrenocorticotropic hormone, beta-lipotropin, and endorphin-related peptides in health and disease. Loh YP, et al. **JAMA** 1982 Feb 19;247(7):1033-4

Endogenous opiates and their actions [editorial] **Lancet** 1982 Aug 7;2(8293):305-7

Cytotoxic-therapy-induced vomiting is mediated via enkephalin pathways. Harris AL. **Lancet** 1982 Mar 27; 1(8274):714-6

Failure of naloxone to reverse analgesia in congenital insensitivity to pain, and variable plasma levels of beta-endorphin-like activity [letter] Pasi A, et al. **Lancet** 1982 Mar 13;1(8272):622

Analgesic activity of substance P in rats: apparent mediation by met-enkephalin release. Naranjo JR, et al. **Life Sci** 1982 Feb 1;30(5):441-6

Endorphin mediated increase in pain threshold induced by long-lasting exercise in rats. Shyu BC, et al. **Life Sci** 1982 Mar 8;30(10):833-40

Possible involvement of endorphin withdrawal or imbalance in specific premenstrual syndromes and postpartum depression. Halbreich U, et al. **Med Hypotheses** 1981 Aug; 7(8):1045-58 (105 ref.)

Endorphins, ventilatory control and sudden infant death syndrome--a review and synthesis. Kuich TE, et al. **Med Hypotheses** 1981 Oct;7(10):1231-40 (52 ref.)

Endorphins and mood changes in long-distance running. Markoff RA, et al. **Med Sci Sports Exerc** 1982;14(1):11-5

Endorphins and anesthesia. Dhib-Jalbut SS. **Middle East J Anaesthesiol** 1981 Jun;6(2):91-7

The role of endorphins in neuropsychiatry. **Mod Probl Pharmacopsychiatry** 1981;17:1-290

Clinical studies on the role of endorphins in schizophrenia. Berger PA, et al. **Mod Probl Pharmacopsychiatry** 1981; 17:226-35

Endorphin studies: electrophysiologic effects. Bloom FE, et al. **Mod Probl Pharmacopsychiatry** 1981;17:19-37

Pain sensitivity and endorphins in functional psychoses. Davis GC, et al. **Mod Probl Pharmacopsychiatry** 1981; 17:97-108

Endorphins in traumatic spinal injury. Pathophysiologic studies and clinical implications. Faden AI, et al. **Mod Probl Pharmacopsychiatry** 1981;17:158-74

Role of endorphins in addiction. Herz A. **Mod Probl Pharmacopsychiatry** 1981;17:175-80

Role of endorphins in endogenous pain control systems. Mayer DJ, et al. **Mod Probl Pharmacopsychiatry** 1981; 17:68-96

Detoxication treatment of schizophrenic patients: a possible role of endorphins? Nedopil N, et al. **Mod Probl Pharmacopsychiatry** 1981;17:263-5

Localization and modulation of enkephalins, endorphins and opiate receptors in the CNS and the pituitary gland. Simantov R. **Mod Probl Pharmacopsychiatry** 1981;17:38-48

Endogenous opioids (endorphins) and the control of breathing [letter] Butland RJ, et al. **N Engl J Med** 1981 Oct 29;305(18):1096

Specific opiate receptors on isolated mammalian gastric smooth muscle cells. Bitar KN, et al. **Nature** 1982 May 6;297(5861):72-4

Opioids at Cape Cod [news] Cox BM. **Nature** 1982 Aug 26; 298(5877):790-1

Enkephalin as a transmitter for presynaptic inhibition in sympathetic ganglia. Konishi S, et al. **Nature** 1981 Nov 5;294(5836):80-2

Beta-endorphin and dynorphin control serum luteinizing hormone level in immature female rats. Schulz R, et al. **Nature** 1981 Dec 24;294(5843):757-9

Dopaminergic modulation of evoked vasopressin release from the isolated neurohypophysis of the rat. Possible involvement of endogenous opioids. Racké K, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1982 Apr; 319(1):56-65

The dual-system hypothesis of pain perception. Gillman MA, et al. **Neurol Res** 1981;3(4):317-27

Endorphins in schizophrenia. van Ree JM, et al. **Neuropharmacology** 1981 Dec;20(12B):1271-7 (93 ref.)

Are endogenous opiates involved in potentiation of field potentials in the hippocampus of the rat? Linseman MA, et al. **Neurosci Lett** 1981 Dec 23;27(3):319-24

Do opioid peptides mediate a presynaptic control of C-fibre transmission in the rat spinal cord? Woolf CJ, et al. **Neurosci Lett** 1982 Mar 17;29(1):67-72

Diurnal variation in excitation of dorsal horn units by naloxone in the spinal cat suggests a circulating opioid factor. Henry JL. **Neuroscience** 1981;6(10):1935-42

Endorphin release as mechanism of acupuncture analgesia. [letter]. Mayer DJ, et al. **Pain** 1981 Oct;11(2):273-80

Modulation of spontaneous seizures in the mongolian gerbil: effects of beta-endorphin. Bajorek JG, et al. **Peptides (Fayetteville)** 1982 Jan-Feb;3(1):83-6

Vertebrate brain-gut peptides related to FMRFamide and Met-enkephalin Arg6Phe7. Dockray GJ, et al. **Peptides (Fayetteville)** 1981;2 Suppl 2:25-30 (37 ref.)

Development of enkephalinergic neurons in the gut of the chick. Epstein ML, et al. **Peptides (Fayetteville)** 1981 Fall; 2(3):271-6

Endogenous opiates: 1980. Olson GA, et al. **Peptides (Fayetteville)** 1981 Fall;2(3):349-69 (302 ref.)

Endogenous opiates: 1979(1). Olson GA, et al. **Peptides (Fayetteville)** 1980 Winter;1(4):365-79 (279 ref.)

Interaction of acute and chronic stress with respiration: modification by naloxone. Isom GE, et al. **Pharmacol Biochem Behav** 1982 Apr;16(4):599-603

Role of opiate receptors and endogenous ligands in nociception. Jacob JJ, et al. **Pharmacol Ther** 1981; 14(2):177-96 (250 ref.)

Involvement of endogenous opioids with forced swimming-induced immobility in mice. Amir S. **Physiol Behav** 1982 Feb;28(2):249-51

Involvement of opioid peptides in the inhibition of oxytocin release by heat stress in lactating mice. Haldar J, et al. **Proc Soc Exp Biol Med** 1981 Oct;168(1):10-4

Opioid regulation of pituitary secretion. Frantz AG, et al. **Prog Clin Biol Res** 1982;87:153-77 (59 ref.)

Stimulation of hypothalamic arcuate nucleus inhibits locus coeruleus unit activity: evidence for endorphin mediation. Strahlendorf HK, et al. **Prog Clin Biol Res** 1981;68:161-9

Regulation of catecholamine secretion by endogenous opioid peptides. Van Loon GR, et al. **Prog Clin Biol Res** 1981; 74:293-318

Endogenous opioid peptides--the enkephalins and endorphins. Beddell CR, et al. **Prog Med Chem** 1980; 17:1-39 (344 ref.)

Endogenous opioids and cyclic AMP. Wollemann M. **Prog Neurobiol** 1981;16(2):145-54 (76 ref.)

Opiate receptors and endogenous opiates: panorama of opiate research. Szara S. **Prog Neuropsychopharmacol Biol Psychiatry** 1982;6(1):3-15

Endorphins and enkephalins. **Psychopharmacol Bull** 1981 Jul; 17(3):70-8

Absence of naloxone sensitivity in obese humans. O'Brien CP, et al. **Psychosom Med** 1982 May;44(2):215-23

Endorphinergic systems and the response to stress. Millan MJ, et al. **Psychother Psychosom** 1981;36(1):43-56

Endogenous opiates and stress-induced eating [letter] Antelman SM, et al. **Science** 1981 Dec 4;214(4525):1149-51

Hypotensive effect of fasting: possible involvement of the sympathetic nervous system and endogenous opiates. Einhorn D, et al. **Science** 1982 Aug 20;217(4561):727-9

Adrenal medullary enkephalin-like peptides may mediate opioid stress analgesia. Lewis JW, et al. **Science** 1982 Aug 6;217(4559):557-9

Corticosterone: a critical factor in an opioid form of stress-induced analgesia. MacLennan AJ, et al. **Science** 1982 Mar 19;215(4539):1530-2

Endogenous opiates and energy balance. Mandenoff A, et al. **Science** 1982 Mar 19;215(4539):1536-8

Brain opiates in mental illness [news] Marx JL. **Science** 1981 Nov 27;214(4524):1013-15

Opioid-like analgesia in defeated mice. Miczek KA, et al. **Science** 1982 Mar 19;215(4539):1520-2

Opiates and pain pathways: demonstration of enkephalin synapses on dorsal horn projection neurons. Ruda MA. **Science** 1982 Mar 19;215(4539):1523-5

Organization of endogenous opiate and nonopiate pain control systems. Watkins LR, et al. **Science** 1982 Jun 11; 216(4551):1185-92 (53 ref.)

[Enkephalin-like peptides as putative cotransmitters for acetylcholine (author's transl)] Costa E. **Sheng Li Ko Hsueh Chin Chan** 1981 Mar;12(3):284-8 **(Chi)**

[Biochemistry of endorphins (author's transl)] Cui RL. **Sheng Li Ko Hsueh Chin Chan** 1981 Jan;12(1):33-9 (39 ref.)

(Chi)
[The endogenous analgesia system (author's transl)] Han JS. **Sheng Li Ko Hsueh Chin Chan** 1981 Feb;12(2):104–12 (48 ref.) (Chi)
[Recent progress in enkephalin research (author's transl)] Zhang CG. **Sheng Li Ko Hsueh Chin Chan** 1981 Oct 25; 12(4):362–4 (Chi)
[Endorphins and stress] Horáček J, et al. **Cas Lek Cesk** 1981 Sep 17;120(37):1105–7 (Eng. Abstr.) (Cze)
[Endorphins and opiated receptors] Andersen LW, et al. **Ugeskr Laeger** 1982 Mar 29;144(13):923–5 (Eng. Abstr.) (Dan)
[Effect of naloxone on perception of the presence of endorphin congeners in the migratory locust Locusta migratoria] Fuzeau-Braesch S. **Agressologie** 1981; 22(5):195–7 (Eng. Abstr.) (Fre)
[Neuropharmacological regulation of pituitary hormones. Role of acetylcholine, gamma-aminobutyric acid, histamine and endorphins (author's transl)] Martin-du Pan R, et al. **Ann Endocrinol (Paris)** 1981 Apr–Jun;42(2):79–112 (218 ref.) (Eng. Abstr.) (Fre)
[Opioid peptides] Neuzil E, et al. **Expos Annu Biochim Med** 1982;35:161–214 (287 ref.) (Fre)
[Mediation by opioid peptides of anterior pituitary response to insulin-induced hypoglycemia (author's transl)] Saltiel H, et al. **Nouv Presse Med** 1982 Mar 6;11(11):847–50 (Eng. Abstr.) (Fre)
[Endorphins and the occurrence of pain] Herz A. **Schweiz Med Wochenschr** 1981 Dec 12;111(50):1937–41 (Eng. Abstr.) (Ger)
[Enkephalins and endorphins, peptide neurotransmitters regulating cerebral homeostasis: biological actions, biochemical properties, therapeutic prospects] Mancinella A. **Clin Ter** 1982 Feb 28;100(4):401–16 (120 ref.) (Eng. Abstr.) (Ita)
[Endorphins and gonadotropin secretion (author's transl)] Nakai Y, et al. **Horumon To Rinsho** 1982 May;30(5):419–24 (Jpn)
[Modulation by endogenous opioid peptides of non-adrenergic neurotransmission in the guinea-pig taenia coli (author's transl)] Ishii T. **Nippon Yakurigaku Zasshi** 1981 Oct;78(4):335–46 (Eng. Abstr.) (Jpn)
[The endorphin system and mental diseases in the light of the hedonistic theory (author's transl)] Gizinski W. **Psychiatr Pol** 1981 Mar–Apr;15(2):195–201 (33 ref.) (Pol)
[Sensitivity of hypothalamic neurons to beta-endomorphin, met-enkephalin, and thyroliberin] Babichev VN, et al. **Biull Eksp Biol Med** 1982 Feb;93(2):33–5 (Eng. Abstr.) (Rus)
[Ethological analysis of the effect of enkephalins on the interspecies behavior] Poshivalov VP, et al. **Biull Eksp Biol Med** 1982 Feb;93(2):40–2 (Rus)
[Cerebral neuropeptides and their neuroendocrine effect] Babichev VN, et al. **Probl Endokrinol (Mosk)** 1981 May–Jun;27(3):78–85 (147 ref.) (Rus)
[New data on the participation of beta-endorphin in the neuroendocrine control of luteinizing hormone release] Babichev VN, et al. **Probl Endokrinol (Mosk)** 1982 Mar–Apr;28(2):45–9 (Eng. Abstr.) (Rus)
[Peptides with analgesic activity] Kharkevich DA, et al. **Vestn Akad Med Nauk SSSR** 1982;(5):54–64 (57 ref.) (Rus)
[Endocrinological activity of opioid peptides] Casanueva F. **Rev Clin Esp** 1981 Jun 15–30;161(5–6):275–88 (147 ref.) (Spa)
[Morphinics receptors and endorphines (author's transl)] de Luna Infante MJ, et al. **Rev Esp Anestesiol Reanim** 1981 Sep;28(5):293–300 (13 ref.) (Eng. Abstr.) (Spa)

SECRETION

Placental secretion of prolactin, ACTH and immunoreactive beta-endorphin during pregnancy. Demura R, et al. **Acta Endocrinol (Copenh)** 1982 May;100(1):114–9
Corticotropin releasing factor stimulates adrenocorticotropin and beta-endorphin release from AtT-20 mouse pituitary tumor cells. Hook VY, et al. **Biochem Biophys Res Commun** 1982 Jun 30;106(4):1364–71
Conformational studies on the enkephalin releasing peptides. Tyr-Arg and Tyr-D-Arg. Manavalan P, et al. **Biochem Biophys Res Commun** 1982 Apr 14;105(3):847–54
Clonidine releases immunoreactive beta-endorphin from rat para distalis. Pettibone DJ, et al. **Brain Res** 1981 Sep 28; 221(2):409–14
Dopaminergic inhibition of pituitary beta-endorphin-like immunoreactivity secretion in the rat. Farah JM Jr, et al. **Endocrinology** 1982 Feb;110(2):657–9
Evidence for independent secretion of beta-endorphin immunoreactivity from rat pars distalis in vivo. Pettibone DJ, et al. **Endocrinology** 1982 Feb;110(2):469–73
Characterization of an early inhibitory effect of glucocorticoids on stimulated adrenocorticotropin and endorphin release from a clonal strain of mouse pituitary cells. Phillips M, et al. **Endocrinology** 1982 Mar; 110(3):892–900
In vivo corticotropin-releasing factor-induced secretion of adrenocorticotropin, beta-endorphin, and corticosterone. Rivier C, et al. **Endocrinology** 1982 Jan;110(1):272–8
Concomitant secretion of calcitonin, beta-endorphin and ACTH from medullary thyroid carcinoma in vivo and in vitro. Lamberts SW, et al. **Eur J Cancer Clin Oncol** 1982 Mar;18(3):253–60
Vasopressin and beta-endorphin release after osmotic and non-osmotic stimuli: effect of naloxone and dexamethasone. Knepel W, et al. **Eur J Pharmacol** 1982 Feb 5;77(4):299–306
ACTH, LPH, and beta-endorphin secretion from perfused isolated human pituitary tumour cells in vitro. Gillies G, et al. **Horm Res** 1980;13(4–5):280–90
In vitro secretion of ACTH, beta-endorphin and beta-lipotropin in Cushing's disease and Nelson's syndrome. Lüdecke DK, et al. **Horm Res** 1980; 13(4–5):259–79
Ectopic secretion of ACTH and met-enkephalin from a thymic carcinoid. Baker J, et al. **J Endocrinol Invest** 1982 Jan–Feb;5(1):33–8
Proportional secretion of opioid peptides and catecholamines from adrenal chromaffin cells in culture. Wilson SP, et al. **J Neurosci** 1982 Aug;2(8):1150–6
Evidence for the existence of peptide and nonpeptide morphine-like materials in mouse brain: effect of an analgesic intracerebroventricular dose of acetylcholine on their levels. Chau TT, et al. **J Pharmacol Exp Ther** 1982 Sep;222(3):612–6
Exercise and the endogenous opioids [letter] **N Engl J Med** 1981 Dec 24;305(26):1590–2
Vasopressin stimulates release of beta-lipotropin and beta-endorphin in conscious rats as measured by radioimmunoassay of unextracted plasma. Anhut H, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1981 Feb; 316(1):59–63
Effect of neonatal treatment with monosodium glutamate on the secretion of alpha-MSH, beta-endorphin and ACTH in the rat. Conte-Devolx B, et al. **Neuroendocrinology** 1981; 33(4):207–11
Endotoxin-stimulated opioid peptide secretion: two secretory pools and feedback control in vivo. Carr DB, et al. **Science** 1982 Aug 27;217(4562):845–8
[Effects of the injection of kainic acid into the medial hypothalamus on the secretion of corticolipotropic hormones in the rat] Grillo JM, et al. **C R Seances Acad Sci [III]** 1981 Sep 21;293(2):139–42 (Eng. Abstr.) (Fre)
[Ectopic secretion of ACTH and of related peptides (LPHs, beta-endorphin, '16K'). Evidence for a common precursor] Bertagna X, et al. **Horm Res** 1980;13(4–5):291–301 (Eng. Abstr.) (Fre)
[Lipocorticotropic peptides in Cushing's disease: in vitro studies] Boudouresque F, et al. **Horm Res** 1980; 13(4–5):242–58 (Eng. Abstr.) (Fre)
[beta-endorphin secretion and its clinical significance in a patient with Nelson's syndrome (author's transl)] Oki S, et al. **Nippon Naika Gakkai Zasshi** 1982 Apr 10; 71(4):458–66 (Jpn)

THERAPEUTIC USE

gamma-Type endorphins and schizophrenia [letter]. Verhoeven WM, et al. **Arch Gen Psychiatry** 1981 Oct; 38(10):1182–3
Antipsychotic properties of Des-enkephalin-gamma-endorphin in treatment of schizophrenic patients. Verhoeven WM, et al. **Arch Gen Psychiatry** 1982 Jun;39(6):648–54
The treatment of schizophrenic psychoses with gamma-type endorphins. van Praag HM, et al. **Biol Psychiatry** 1982 Jan; 17(1):83–98
Epidural beta-endorphin in treatment of pain. Oyama T, et al. **Can Anaesth Soc J** 1982 Jan;29(1):24–6
Analgesic efficacy of parenteral metkephamid acetate in treatment of postoperative pain. Calimlim JF, et al. **Lancet** 1982 Jun 19;1(8286):1374–5
Action of [Des-Tyr1]-gamma-endorphin in schizophrenia. Emrich HM, et al. **Mod Probl Pharmacopsychiatry** 1981; 17:279–86
beta-Endorphin studies in psychiatric patients. Gorelick DA, et al. **Mod Probl Pharmacopsychiatry** 1981;17:236–45
Neuroleptic-like and antipsychotic effects of gamma-type endorphins. Van Ree JM, et al. **Mod Probl Pharmacopsychiatry** 1981;17:266–78
Effect of (Des-Tyr)-gamma-endorphin in schizophrenia. Meltzer HY, et al. **Psychiatry Res** 1982 Jun;6(3):313–26
(Des-tyrosine1)-gamma-endorphin in schizophrenia: clinical, biochemical, and hormonal aspects. Verhoeven WM, et al. **Psychiatry Res** 1981 Dec;5(3):293–309
[Treatment of schizophrenic psychoses with gamma-type endorphins] van Praag HM, et al. **Ned Tijdschr Geneeskd** 1981 Nov 28;125(48):1963–9 (Eng. Abstr.) (Dut)
[Effect of enkephalin and cimetidine on the occurrence and course of duodenal ulcers in rats] Vinogradov VA, et al. **Biull Eksp Biol Med** 1982 May;93(5):40–2 (Eng. Abstr.) (Rus)

ENDOSCOPIC RETROGRADE CHOLANGIOPANCREATOGRAPHY see **CHOLANGIOPANCREATOGRAPHY, ENDOSCOPIC RETROGRADE**

ENDOSCOPY

Hemobilia with jaundice: treatment by endoscopic papillotomy. Jensen AR, et al. **Am J Gastroenterol** 1982 Mar;77(3):162–3
Endoscopic biopsy for improved accuracy in upper gastrointestinal tract diagnosis. Gowen GF. **Arch Surg** 1982 Apr;117(4):485–9
Simple endoscopic injection sclerotherapy of oesophageal varices. Harris OD, et al. **Aust NZ J Med** 1982 Apr; 12(2):131–5
The diagnosis of pleural effusions by fiberoptic bronchoscopy and pleuroscopy. Williams T, et al. **Chest** 1981 Nov; 80(5):566–9
The mallear blush in children. Cavanaugh RM Jr. **Clin Pediatr (Phila)** 1981 Dec;20(12):802
Endoscopy in upper GI bleeding. **Consensus Dev Conf Summ Natl Inst Health** 1980;3:33–7
Aortoduodenal fistula: endoscopic diagnosis [letter] Martin J, et al. **Dig Dis Sci** 1981 Oct;26(10):956–7
Endoscopic removal of the duodenal polyp in a patient with Gardner's syndrome. Sweeney BF, et al. **Dig Dis Sci** 1982 Jun;27(6):557–60
The use of a Doppler ultrasound probe for localising arterial blood flow during upper gastrointestinal endoscopy. Beckly DE, et al. **Endoscopy** 1982 Jul;14(4):146–7
Operative endoscopy today. Demling L. **Endoscopy** 1982 Mar;14(2):37–40
Prevention of hepatitis B virus transmission by the gastrointestinal fibrescope. Successful disinfection with an aldehyde liquid. Seefeld U, et al. **Endoscopy** 1981 Nov; 13(6):238–9
Endoscopic incision of choledochal cysts (choledochocele). Siegel JH, et al. **Endoscopy** 1981 Sep;13(5):200–2
Diagnostic endoscopy in the patient with chest pain. Meanock CI, et al. **Eur Heart J** 1981 Apr;2(2):135–7
Gestational outcome following hysteroscopic lysis of adhesions. March CM, et al. **Fertil Steril** 1981 Oct; 36(4):455–9
Comparison of argon laser photocoagulation and bipolar electrocoagulation for endoscopic hemostasis in the canine colon. Jensen DM, et al. **Gastroenterology** 1982 Oct; 83(4):830–5
Sclerotherapist's eye [letter] Herlihy KJ, et al. **Gastrointest Endosc** 1982 Feb;28(1):42–3
Endoscopic cultures of the proximal gastrointestinal tract. Knutson NG, et al. **Gastrointest Endosc** 1982 Feb; 28(1):12–4
Duodenal varices: endoscopic diagnosis of an unusual source of upper gastrointestinal hemorrhage. Rappazzo JA, et al. **Gastrointest Endosc** 1981 Nov;27(4):227–8
Endoscopic management of chronic pancreatitis [letter] Siegel JH, et al. **Gastrointest Endosc** 1981 Nov;27(4):240–1
Presidential address 1981: the A/S/G/E and its environment. Waye JD. **Gastrointest Endosc** 1981 Nov;27(4):211–2
A limited, direct access endoscopy service for general practitioners. Logan RF, et al. **Health Bull (Edinb)** 1982 Mar;40(2):92–7
Mucosal biopsy of the esophagus, stomach, and proximal duodenum. Goldman H, et al. **Hum Pathol** 1982 May; 13(5):423–48
Digestive tract endoscopy: teaching with live television coverage. Jolly B, et al. **J Audiov Media Med** 1982 Jan; 5(1):4–8
Endoscopic photography in otolaryngology. Katzenberg B. **J Biol Photogr** 1981 Jul;49(3):101–7
Photography through the hysteroscope: equipment, techniques and recent advances. Kleidon DM, et al. **J Biol Photogr** 1982 Jan;50(1):5–6
Radiologic detection and spectrum of appearances of peptic esophageal strictures. Ott DJ, et al. **J Clin Gastroenterol** 1982 Feb;4(1):11–5
Endoscopic diagnosis of duodenal neoplasms causing upper gastrointestinal bleeding. Sharon P, et al. **J Clin Gastroenterol** 1982 Feb;4(1):35–8
Endoscopy in the evaluation of patients with upper gastrointestinal symptoms: indications, expectations, and interpretation. Tedesco FJ. **J Clin Gastroenterol** 1981; 3(Suppl 2):67–71
Resolution of radiographic-endoscopic discrepancies in colon neoplasms. Weyman PJ, et al. **J Clin Gastroenterol** 1981;3 Suppl 1:89–93
Flunitrazepam versus diazepam for endoscopies [letter] Vatashsky E, et al. **J R Soc Med** 1982 Aug;75(8):671
NIH Consensus Development Conference summary. Endoscopy in upper GI bleeding. **J Tenn Med Assoc** 1981 Sep;74(9):651–4
Endoscopic urethrotomy: does it live up to its promises? Boccon Gibod L, et al. **J Urol** 1982 Mar;127(3):433–5
Growing world of gastrointestinal endoscopy [news] Reed M. **JAMA** 1982 Sep 17;248(11):1289–91, 1294
Endoscopy of the upper respiratory tract. Beg MH. **JPMA** 1981 Jun;31(6):121–3
The range of endoscopic sphincterotomy. Nowak A. **Mater Med Pol** 1981 Jan–Mar;13(1):30–2
Routine upper gastrointestinal endoscopy in elective cholecstectomy. Coleman MJ, et al. **Med J Aust** 1981 Nov 28;2(11):600–1
Significance of signs of recent haemorrhage at endoscopy. Harris DC, et al. **Med J Aust** 1982 Jul 10;2(1):35–7
Fentanyl and diazepam in endoscopy of the upper gastrointestinal tract. Stephens MJ, et al. **Med J Aust** 1982 May 15;1(10):419–20
Routine endoscopy in upper-gastrointestinal-tract bleeding [letter] **N Engl J Med** 1982 Apr 8;306(14):869–71
Endoscopic prediction of recurrent bleeding in peptic ulcers. Storey DW, et al. **N Engl J Med** 1981 Oct 15;305(16):915–6
Anesthesia and pediatric endoscopy: the surgeon's view.

Cohen SR, et al. **Otolaryngol Clin North Am** 1981 Aug; 14(3):705–13 (5 ref.)

Anesthesia for endoscopic diagnosis and surgery. Norton ML, et al. **Otolaryngol Clin North Am** 1981 Aug; 14(3):687–98 (17 ref.)

Semi-quantitative cystourethroscopic assessment of infravesical obstruction: a valid substitute for pressure–flow recordings? Andersen JT, et al. **Prog Clin Biol Res** 1981; 78:277–81

The increasing use of fibreoptics in radiodiagnosis. Williams R. **Radiography** 1982 Apr;48(568):67–79

Endoscopic diagnosis and treatment of biliary tract disease. Shapiro HA. **Surg Clin North Am** 1981 Aug;61(4):843–64 (24 ref.)

One solution to the dilemma of endoscopic requirements for general surgical residents [editorial] Starling JR, et al. **Surg Gynecol Obstet** 1982 Jul;155(1):65–6

Hysteroscopic evaluation of patients with abnormal uterine bleeding. Valle RF. **Surg Gynecol Obstet** 1981 Oct; 153(4):521–6

Ureterorenoscopy. Bush IM, et al. **Urol Clin North Am** 1982 Feb;9(1):131–6

Endoscopic removal of staghorn calculi in patient with high urinary diversion. Godec CJ, et al. **Urology** 1982 May; 19(5):529–31

Removal of gastric foreign bodies using flexible fiberoptic endoscopy. Zimmer JF. **VM SAC** 1981 Nov;76(11):1611–9

[Clinical practice of hysteroscopy (analysis of 400 cases) (author's transl)] Feng DG. **Chung Hua Fu Chan Ko Tsa Chih** 1982 Apr;17(2):84–6 **(Chi)**

[Experiences and complications of post-operative choledochofiberscopy (author's transl)] Chen MF, et al. **Taiwan I Hsueh Hui Tsa Chih** 1981 May;80(5):519–22 (Eng. Abstr.) **(Chi)**

[Diagnostic indications and therapeutic methods of endoscopy in relation to radiographic and surgical findings] **Cesk Gastroenterol Vyz** 1981 Jul;35(5):216–39 **(Cze)**

[Nasal sinus endoscopy. Diagnostic and therapeutic possibilities (apropos of 497 cases] Demard F, et al. **J Fr Otorhinolaryngol** 1982 Feb;31(2):107–14 **(Fre)**

[2 unusual examples of comparison of tomodensitometry with endoscopy in rhinology] Willemot J, et al. **J Fr Otorhinolaryngol** 1981 Oct;30(8):493 **(Fre)**

[First-line exploration: fiberoptic gastroscopy or barium meal? A pragmatic evaluation (author's transl)] Pariente EA, et al. **Nouv Presse Med** 1981 Nov 21;10(42):3477–80 (Eng. Abstr.) **(Fre)**

[Risk of hepatitis B in endoscopy personnel] Fengler JD, et al. **Dtsch Z Verdau Stoffwechselkr** 1981;41(4):187–92 (Eng. Abstr.) **(Ger)**

[The place of echography compared to endoscopic methods in gastroenterology] Lutz H, et al. **Fortschr Med** 1982 Feb 4;100(5):169–76 (38 ref.) **(Ger)**

[Endoscopy of the digestive tract in newborns] Manegold BC, et al. **Fortschr Med** 1982 Feb 25;100(8):328–31 **(Ger)**

[Endoscopy of the digestive tract in the continuing education of internists and gastroenterologist] Classen M. **Internist (Berlin)** 1982 May;23(5):243–4 **(Ger)**

[Endoscopy in ambulatory practice] Clémençon HG. **Internist (Berlin)** 1982 May;23(5):277–82 **(Ger)**

[Recent aspects of direct laryngo-tracheo-bronchoscopy in newborn and infants (author's transl)] Minnigerode B, et al. **Laryngol Rhinol Otol (Stuttg)** 1982 Apr;61(4):204–6 **(Ger)**

[Endoscopic papillotomy] Bühler H. **Schweiz Med Wochenschr** 1982 Mar 13;112(11):375–9 (Eng. Abstr.) **(Ger)**

[Electrocardiographic changes during and after upper gastrointestinal tract endoscopy] Rattan J, et al. **Harefuah** 1982 Jan 1;102(1):13–4 (Eng. Abstr.) **(Heb)**

[Emergency digestive endoscopy in hemorrhages of the upper gastrointestinal tract in aged patients] Reina G, et al. **Ann Ital Chir** 1981;53(2):181–90 **(Ita)**

[Endoscopic examinations in the primary tuberculosis complex in childhood] Bolgiani MP, et al. **Ann Osp Maria Vittoria Torino** 1980 Jan–Jun; 23(1–6):69–111 (Eng. Abstr.) **(Ita)**

[Anesthesiologic and resuscitation problems in celioscopy. Our clinical experience] Chiefari M, et al. **Arch Ostet Ginecol** 1980 Jul–Aug;85(4):361–71 **(Ita)**

[Treatment of gastrointestinal polyposis. Endoscopico-surgical considerations] Montori A, et al. **Minerva Chir** 1981 Dec 15–31;36(23–24):1579–81 **(Ita)**

[Endoscopic polypectomy of the upper digestive tract] Oselladore D, et al. **Minerva Chir** 1980 Dec 15–31; 35(23–24):1861–2 **(Ita)**

[Clinical significance of endoscopic polypectomy of the large intestine. Personal experience with the results] Rossini FP. **Minerva Chir** 198' Dec 15–31;36(23–24):1583–5 **(Ita)**

[Radiological and endoscopic comparison in pathology of the upper digestive tract] Benelli R, et al. **Minerva Dietol Gastroenterol** 1982 Apr–Jun;28(2):111–7 (Eng. Abstr.) **(Ita)**

[Technic and results of radiological examination of the surface of the stomach. Radio-endoscopic comparison in 214 cases] Miceli F, et al. **Minerva Dietol Gastroenterol** 1982 Apr–Jun;28(2):105–10 (Eng. Abstr.) **(Ita)**

[Rendu-Osier-Weber disease with exclusive gastrointestinal localization. Description of a case diagnosed solely with endoscopy] Negri E, et al. **Minerva Dietol Gastroenterol** 1982 Apr–Jun;28(2):163–6 (Eng. Abstr.) **(Ita)**

[Comparative study of the anatomo-clinical, endoscopic and radiographic aspects of atrophic gastritis (author's transl)] Cirillo LC, et al. **Radiol Med (Torino)** 1982 Jun;68(6):469–74 **(Ita)**

[Endoscopic observation of thyroid carcinoma successfully treated with radioactive Iodine (131I) (author's transl)] Kobayashi M, et al. **Kaku Igaku** 1981 Nov;18(9):1301–4 (Eng. Abstr.) **(Jpn)**

[Management of retained secundines by hysteroscopy (author's transl)] Morimoto N, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1981 Dec; 33(12):2187–92 (Eng. Abstr.) **(Jpn)**

[Endoscopy in detection and treatment of the active upper gastrointestinal bleeding (author's transl)] Vanovski B. **God Zb Med Fak Skopje** 1979 Jan;25:339–46 (Eng. Abstr.) **(Mac)**

[Place and role of hysteroscopy in gynecological practice] Stelmachów J. **Ginekol Pol** 1981 Jun;52(6):521–4 (Eng. Abstr.) **(Pol)**

[Multicenter clinical trial of sinequan premedication in endoscopy of the upper gastrointestinal tract] Gabryelewicz A, et al. **Wiad Lek** 1981 Jun 1;34(11):895–9 (Eng. Abstr.) **(Pol)**

[Endoscopic examination in the early diagnosis of digestive cancer with high morbidity (gastric and colonic)] Oproiu AC, et al. **Rev Med Interna [Med Interna]** 1981 Jul–Aug; 33(4):319–29 (Eng. Abstr.) **(Rum)**

[Diagnostic value of metrography and hysteroscopy in certain forms of intrauterine pathology] Breusenko VG, et al. **Akush Ginekol (Mosk)** 1981 Jul;(7):53–4 **(Rus)**

[Diagnostic importance of hysteroscopy in examining patients with juvenile hemorrhages] Pobedinskiĭ NM, et al. **Akush Ginekol (Mosk)** 1981 Dec;(12):26–8 (Eng. Abstr.) **(Rus)**

[Fiber endoscopy in the surgical clinic] Popiela T. **Khirurgiia (Mosk)** 1982 Mar;(3):29–31 **(Rus)**

[Diagnostic and therapeutic endoscopy in esophageal-gastric hemorrhages] Anakhasian VR, et al. **Klin Khir** 1982 Apr; (4):16–9 **(Rus)**

[Role of endoscopy department in an emergency surgical clinic] Sheveliuk SB, et al. **Klin Khir** 1982 Apr;(4):65–6 **(Rus)**

[Endoscopic diagnosis of metastatic involvement of large intestine] Strekalovskiĭ VP, et al. **Sov Med** 1981;(9):101–3 **(Rus)**

[Advances in endoscopy in gastroenterology] Jereb B. **Srp Arh Celok Lek** 1981 Jan;109(1):127–37 **(Scc)**

[Intraoperative hemorrhage and hemostasis in endoscopic surgery] Vicente J, et al. **Actas Urol Esp** 1981 Sep–Oct; 5(5):287–92 (Eng. Abstr.) **(Spa)**

[Use of the Fogarty catheter in endoscopic therapy of ureteral calculi] Giannotti P, et al. **Arch Esp Urol** 1981 May–Jun;34(3):217–24 (Eng. Abstr.) **(Spa)**

[Upper digestive panendoscopy in children] Rudloff T, et al. **Rev Chil Pediatr** 1981 Jul–Aug;52(4):289–92 (Eng. Abstr.) **(Spa)**

[The future of gastrointestinal fiber endoscopy in Sweden] Domellöf L, et al. **Lakartidningen** 1981 Sep 16; 78(38):3279–82 **(Swe)**

ADVERSE EFFECTS

Does bacteremia follow upper gastrointestinal endoscopy? Norfleet RG, et al. **Am J Gastroenterol** 1981 Nov; 76(5):420–2

The choledochoscope—two hazards [letter] Weller RM. **Anaesthesia** 1982 May;37(5):606

Esophageal perforation and endoscopy [letter] Kirkham JS. **Dig Dis Sci** 1981 Sep;26(9):860

Retroperitoneal perforations following endoscopic sphincterotomy; clinical course and management. Dunham F, et al. **Endoscopy** 1982 May;14(3):92–6

Complications of endoscopic sphinecterotomy and their treatment. Nuehaus B, et al. **Endoscopy** 1981 Sep; 13(5):197–9

Mallory-Weiss tear complicating upper endoscopy: case reports and review of the literature. Baker RW, et al. **Gastroenterology** 1982 Jan;82(1):140–2

Mallory-Weiss syndrome produced by upper endoscopy [letter] Capron JP. **Gastroenterology** 1982 Aug;83(2):522–3

Endoscopically related infections and their prevention [editorial] Vennes JA, et al. **Gastrointest Endosc** 1981 Nov; 27(4):239–40

Incarcerated ventral hernia—a complication after esophagogastroduodenoscopy. Patel NM, et al. **J Clin Gastroenterol** 1982 Jun;4(3):257–8

[Late complications of the diagnostic and operative endoscopy of the bile ducts and the pancreas. International study (author's transl)] Buset M, et al. **Acta Gastroenterol Belg** 1981 Sep–Oct;44(9–10):396–403 (Eng. Abstr.) **(Fre)**

[Infections due to endoscopic instrumentation (editorial)] Rattan J, et al. **Harefuah** 1981 Jun 15;100(12):589–90 **(Heb)**

[Role of the endoscopy department in urologic hospital endemic disease] Vicente J, et al. **Actas Urol Esp** 1981 Jul–Aug;5(4):223–6 (Eng. Abstr.) **(Spa)**

ECONOMICS

Fees for gastrointestinal endoscopy [editorial] Overholt BF. **Gastrointest Endosc** 1981 Aug;27(3):195, 196–7

'The cost effectiveness of upper gastrointestinal endoscopy' by Showstack and Schroeder, or the fallacy of hypothetical economics in gastrointestinal endoscopy [editorial] Overholt BF. **Gastrointest Endosc** 1981 Nov;27(4):239

The cost of knowing the truth–limitations to a cost–benefit analysis of upper GI endoscopy. Sonnenberg A, et al. **J Clin Gastroenterol** 1982 Apr;4(2):109–14

[Diagnostic and economical evaluation of upper digestive endoscopy as the initial investigation of lesions of the upper gastrointestinal tract. A prospective study in 184 unselected not bleeding patients (author's transl)] Deschamps JP, et al. **Gastroenterol Clin Biol** 1982 Mar;6(3):229–34 (Eng. Abstr.) **(Fre)**

EDUCATION

New dilemmas for training program directors [editorial] Morrissey JF. **Gastrointest Endosc** 1981 Aug;27(3):194, 196

INSTRUMENTATION

A needle otoscope. An instrument of endotoscopy of the middle ear. Nomura Y. **Acta Otolaryngol (Stockh)** 1982 Jan–Feb;93(1–2):73–9

Endoscopic replacement of drain catheters. Cope C. **AJR** 1981 Sep;137(3):626–7

Nonaggressive assessment of portal hypertension using endoscopic measurement of variceal pressure. Preliminary report. Mosimann R. **Am J Surg** 1982 Feb;143(2):212–4

Mechanical aids for fiberoptic endoscopy [letter] Patil V, et al. **Anesthesiology** 1982 Jul;57(1):69–70

Endotracheal tube Ignition during laryngeal surgery with resectoscope. Rita L, et al. **Anesthesiology** 1982 Jan; 56(1):60–1

Rigid endoscopy of the respiratory tract. Ward S. **AORN J** 1981 Dec;34(6):1058–74

Lasers and fibreoptic endoscopy. Vallon AG. **Br J Hosp Med** 1982 Feb;27(2):175–9

The feasibility of nasal pharyngoscopy using the 70 degrees Storz–Hopkins nasopharyngoscope. Gilbert TS, et al. **Br J Plast Surg** 1982 Jan;35(1):14–8

The use of a rigid choledochoscope in exploration of the common bile duct. Ernst D, et al. **Br J Surg** 1982 Aug; 69(8):463–4

Special rectoscope for the EEA stapler. Marti MC, et al. **Br J Surg** 1982 Apr;69(4):214

Fiber optics in medicine. Epstein M. **Crit Rev Biomed Eng** 1982 Feb;7(2):79–120 (120 ref.)

A new optical system in tympanic membrane and middle ear endoscopy. Eichner H. **Endoscopy** 1981 Sep;13(5):211–3

Effectiveness of the small-diameter panendoscope in diagnosing cancers of the upper gastrointestinal tract. Nishizawa M, et al. **Endoscopy** 1982 Jan;14(1):19–21

Endoscopic fistulo-sphincterotomy: an alternative method of sphincterotomy using a new sphincterotome. Schapira L, et al. **Endoscopy** 1982 Mar;14(2):58–60

A new flexible fiberoptic nasopharyngolaryngoscope. Vanderstock L, et al. **Endoscopy** 1981 Nov;13(6):243–5

Ureteral and renal endoscopy. A new–approach. Pérez-Castro Ellendt E, et al. **Eur Urol** 1982;8(2):117–20

Cleaning and disinfection of fiberoptic endoscopes: evaluation of glutaraldehyde exposure time and forced-air drying. Gerding DN, et al. **Gastroenterology** 1982 Sep; 83(3):613–8

Hot tip [letter] Fraiberg EN. **Gastrointest Endosc** 1982 Feb; 28(1):43–4

A new surgical endoscopy handle with rotatable accessories. Johnloz DK. **Gastrointest Endosc** 1981 Aug;27(3):177–8

Endoscopic observation of villi with magnifying enterocolonoscopes. Tada M, et al. **Gastrointest Endosc** 1982 Feb;28(1):17–9

New disinfecting apparatus for gastrointestinal fibre–endoscopes. O'Connor HJ, et al. **Gut** 1982 Aug; 23(8):706–9

Contamination of endoscopes by Salmonella species. Hawkey PM, et al. **J Hosp Infect** 1981 Dec;2(4):373–6

The flexible panendoscope. Burchardt P. **J Urol** 1982 Mar; 127(3):479–81

Flexible nephroscope in calculous surgery. McAninch JW, et al. **J Urol** 1982 Jul;128(1):5–7

The flexible choledochoscope: a welcome addition to the urologic armamentarium. Wilbur HJ. **J Urol** 1981 Sep; 126(3):380–1

A laboratory evaluation of a new disinfectant cleaner for fibreoptic instruments. Gilbert P, et al. **Microbios** 1982; 33(131):53–64

Nasendoscopy: significant refinements of a direct-viewing technique of the velopharyngeal sphincter. David DJ, et al. **Plast Reconstr Surg** 1982 Oct;70(4):423–8

Color television in gastrointestinal endoscopy. Nelson RS. **South Med J** 1981 Oct;74(10):1284–5

[Sterilization of endoscopy instruments] Pilka L, et al. **Cesk Gynekol** 1982 Mar;47(2):134–5 **(Cze)**

[Endoscopy of the upper respiratory tract] Vanderstock L, et al. **Acta Otorhinolaryngol Belg** 1981;35(1):35–42 (Eng. Abstr.) **(Dut)**

[The TTL-computer flash and the operating microscope OPMI I. A new system for microphotography (author's transl)] Müller-Hermann E, et al. **Arch Otorhinolaryngol** 1981;233(1):25–9 (Eng. Abstr.) **(Ger)**

[Endoscopic determination of the size of gastrointestinal ulcers (author's transl)] Dancygier H, et al. **Dtsch Med Wochenschr** 1981 Nov 13;106(46):1535–7 (Eng.

Abstr.) (Ger)
[New aspects in ENT-Endoscopy (author's transl)] Eichner H. **Laryngol Rhinol Otol (Stuttg)** 1980;59(12):790–6 (Eng. Abstr.) (Ger)
[Computerized photodocumentation with automatic exposure technique in ENT endoscopy (author's transl)] Müller-Hermann E, et al. **Laryngol Rhinol Otol (Stuttg)** 1982 Jul;61(7):402–5 (Eng. Abstr.) (Ger)
[How efficient is the endoscopy of nose and maxillary antrum in daily practice? (author's transl)] Tolsdorff P. **Laryngol Rhinol Otol (Stuttg)** 1981 Dec;60(12):620–3 (Eng. Abstr.) (Ger)
[Inspection of the urinary tract by flexible instruments (author's transl)] Wagenknecht LV. **Urologe [Ausg A]** 1982 Mar;21(2):112–4 (Eng. Abstr.) (Ger)
[Endoscopy by color television--a new technique? (author's transl)] Heinkel K, et al. **Z Gastroenterol** 1981 Dec; 19(12):747–55 (Eng. Abstr.) (Ger)
[Current questions of modern urethrocystoscopy] Csapó Z, et al. **Orv Hetil** 1982 May 23;123(21):1303–6 (Hun)
[Peroral cholangioscope and biopsy] Sakai H, et al. **Nippon Rinsho** 1982;40(1):129–34 (Jpn)
[Endoscopic removal of a gastric foreign body] Sikora K, et al. **Wiad Lek** 1982 Jan 1;35(1):55–7 (Eng. Abstr.) (Pol)
[Present status and outlook for the development of medical instruments with fiberoptic waveguides] Busygin VP, et al. **Med Tekh** 1982 Mar-Apr;(2):47–53 (Rus)
[Low-pressure transurethral resection] Matouschek E. **Actas Urol Esp** 1981 Nov-Dec;5(6):339–42 (Spa)

METHODS

Gastric lymphoma diagnosed by fiberoptic endoscopy in a child. Cucchiara S, et al. **Acta Paediatr Scand** 1981 Nov; 70(6):945–8
Endoscopically placed biliary drains and stents. Kozarek RA. **Am Fam Physician** 1982 Aug;26(2):189–92
Choledochoscopy model. Moss JP. **Am J Surg** 1982 Mar; 143(3):374–6
Intraocular foreign body removal by endoscopy. Norris JL, et al. **Ann Ophthalmol** 1982 Apr;14(4):371–2
Panendoscopy for second primaries in head and neck cancer. Maisel RH, et al. **Ann Otol Rhinol Laryngol** 1981 Sep–Oct; 90(5 Pt 1):460–4
Predictive factors of success or failure in the endoscopic management of laryngeal and tracheal stenosis. Simpson GT, et al. **Ann Otol Rhinol Laryngol** 1982 Jul–Aug;91(4 Pt 1):384–8
Intraoperative biliary endoscopy. Kappes SK, et al. **Arch Surg** 1982 May;117(5):603–7
Endoscopically placed pancreaticobiliary stents and drains. Kozarek RA, et al. **Ariz Med** 1982 Jun;39(6):378–80
Esophageal perforation and endoscopy [letter] Scapa E. **Dig Dis Sci** 1982 Sep;27(9):862
A technique of low retroperitoneoscopy. Fantoni PA, et al. **Endoscopy** 1982 May;14(3):102–4
Comparison of fluid hysteroscopy and CO2 hysteroscopy. Seki M, et al. **Endoscopy** 1982 Jul;14(4):141–5
New methods of endoscopic diagnosis of digestive tract diseases in the Soviet Union. Strekalovsky VP. **Endoscopy** 1982 Jul;14(4):135–8
'Top and tail endoscopy' and follow-up in Peutz-Jeghers syndrome. Williams CB, et al. **Endoscopy** 1982 May; 14(3):82–4
Contact hysteroscopy in the diagnosis of endometrial carcinoma. Valente S, et al. **Eur J Gynaec Oncol** 1981 Jan; 2(1):22–3
Endoscopic polypectomy for the removal of polyps of the small intestine. Tada M, et al. **Gastroenterol Jpn** 1982 Apr; 17(2):177–81
Human endoscopic ultrasonography. Dimagno EP, et al. **Gastroenterology** 1982 Oct;83(4):824–9
Evaluation of brush rinsings for the cytologic diagnosis of esophageal and gastric cancer. Batra SK, et al. **Gastrointest Endosc** 1982 Feb;28(1):23–5
Endoscopic diagnosis of intestinal metaplasia in Canada and Japan. Kohli Y, et al. **J Clin Gastroenterol** 1981;3 Suppl 1:29–33
The Blom-Singer endoscopic technique under local anesthesia for restoration of voice after laryngectomy. Mitchell FB, et al. **J Tenn Med Assoc** 1981 Dec; 74(12):867–9
Endoscopic papillary dilatation, a possible alternative to endoscopic papillotomy [letter] Staritz M, et al. **Lancet** 1982 Jun 5;1(8284):1306–7
Panendoscopy as a screening examination for simultaneous primary tumors in head and neck cancer: a prospective sequential study and review of the literature. McGuirt WF. **Laryngoscope** 1982 May;92(5):569–76
The role of endoscopy in upper gastrointestinal bleeding. Hillman L. **NZ Med J** 1982 Jan 13;95(699):11
Therapeutic endoscopic and percutaneous procedures for biliary disorders. Hagenmüller F, et al. **Prog Liver Dis** 1982; 7:299–317 (58 ref.)
Comparative study of standard X-ray of the maxillary sinus and sinuscopy in children. Decreton SJ, et al. **Rhinology** 1981 Sep;19(3):155–9
Direct endoscopic assessment of cleft palate repairs. Lamónt A. **S Afr Med J** 1981 Oct 24;60(17):657–61
Pneumatic otoscopy in infants and children. Cavanaugh RM Jr. **South Med J** 1982 Mar;75(3):335–8
Nephroscopy: advances and adjuncts. Clayman RV, et al. **Urol Clin North Am** 1982 Feb;9(1):51–60
[Endoscopic polypectomy in the large intestine (author's transl)] Kment M, et al. **Cesk Gastroenterol Vyz** 1981 Dec; 35(8):382–6 (Eng. Abstr.) (Cze)
[Comparative study of antroscopy and standard sinus radiography in children] Decreton SJ, et al. **Acta Otorhinolaryngol Belg** 1981;35(1):77–82 (Eng. Abstr.) (Dut)
[Operative choledochoscopy (author's transl)] Grange D, et al. **Gastroenterol Clin Biol** 1981 Oct;5(10):857–65 (Fre)
[Open pelviscopy. A contribution on the greater safety of pelviscopy] Koenig UD. **Gynakologe** 1982 Mar;15(1):30–4 (Ger)
[Endoscopic instant photography in the ENT field (author's transl)] Pau HW, et al. **HNO** 1982 Jun;30(6):229–31 (Eng. Abstr.) (Ger)
[Transnasal, endoscopical sinus surgery for chronic sinusitis. II. Endonasal operation of the maxillary antrum (author's transl)] Wigand ME. **HNO** 1981 Aug;29(8):263–9 (Eng. Abstr.) (Ger)
[Endoscopy of the nose as an aid in lacrimal duct surgery] Bosshard C. **Klin Monatsbl Augenheilkd** 1982 Apr; 180(4):303–7 (Eng. Abstr.) (Ger)
[Surgery in pregnancy from an endoscopy viewpoint] Soehendra N. **Langenbecks Arch Chir** 1981;355:229–31 (Eng. Abstr.) (Ger)
[Primary gastrointestinal diagnosis. Roentgen or endoscopy?] Ottenjann R. **MMW** 1982 Mar 5;124(9):212–5 (Ger)
[Transurethral uretero-pyeloscopy. Preliminary report (author's transl)] Ellendt EP, et al. **Urologe [Ausg A]** 1981 Sep;20(5):258–60 (Eng. Abstr.) (Ger)
[The effect of emergency endoscopy on the outcome of the upper intestinal hemorrhage (author's transl)] Eckardt VF, et al. **Z Gastroenterol** 1982 Jan;20(1):1–8 (Eng. Abstr.) (Ger)
[Endoscopy in children] Aigner F, et al. **ZFA (Stuttgart)** 1981 Sep 30;57(27):1792–5 (Ger)
[Emergency endoscopy] Reissigl H, et al. **ZFA (Stuttgart)** 1981 Sep 30;57(27):1787–9 (Ger)
[Hemorrhagic pathology of the large intestine: comparative evaluation of the use of rigid and flexible endoscopes] Barberani F, et al. **Ann Ital Chir** 1981;53(1):117–25 (Ita)
[Endoscopic sphincterectomy: technic, indications, contraindications, complications and early results] Foco A, et al. **Minerva Chir** 1982 Feb 15;37(3):167–82 (Eng. Abstr.) (Ita)
[The use of althesin in endoscopy] Pellegrino A, et al. **Minerva Med** 1981 Nov 10;72(44):2967–71 (Eng. Abstr.) (Ita)
[Endoscopy of ileocecal region. Investigation mainly on insertion technique (author's transl)] Komine Y. **Nippon Ika Daigaku Zasshi** 1981 Apr;48(2):263–75 (Eng. Abstr.) (Jpn)
[Clinical application of laser endoscopy] Namiki M. **Nippon Rinsho** 1981 May;39(5):2201–8 (30 ref.) (Jpn)
[Percutaneous cholangioscope with PTCD and biopsy of the biliary tract] Takada T. **Nippon Rinsho** 1982;40(1):124–7 (Jpn)
[Chromoendofibroscopy with methylene blue in differential diagnosis of benign and malignant gastrointestinal and bronchial neoplasms] Sinev IuV, et al. **Ter Arkh** 1981; 53(10):70–3 (Eng. Abstr.) (Rus)
[Endoscopic interventions in villous tumors of the large intestine] Strekalovskiĭ VP, et al. **Vestn Khir** 1982 Feb; 128(2):37–42 (Rus)
[Chromoesophagogastroduodenoscopy] Volkov BP, et al. **Vestn Khir** 1981 Aug;127(8):27–32 (Rus)
[Endoscopic methods for the maxillary sinus] Zadorozhnikov GK. **Vestn Otorinolaringol** 1982 Mar-Apr;(2):64–6 (Rus)
[High digestive panendoscopy in children] Rudloff T, et al. **Rev Chil Pediatr** 1981 Jul-Aug;52(4):289–92 (Eng. Abstr.) (Spa)

STANDARDS

Scope set check lists end delays, complaints. Diana J. **AORN J** 1981 Dec;34(6):1074–5

VETERINARY

Serial endoscopic observation of swine gastroesophageal ulceration induced by injection of a histamine-oil-beeswax mixture. Kokue E, et al. **Am J Vet Res** 1981 Oct; 42(10):1807–10
Fibreoptic endoscopy. Lane G. **In Pract** 1981 May;3(3):24–30

ENDOSSEOUS IMPLANTATION see **DENTAL IMPLANTATION, ENDOSSEOUS**

ENDOSSEOUS IMPLANTATION, ENDODONTIC see **DENTAL IMPLANTATION, ENDOSSEOUS, ENDODONTIC**

ENDOSULFAN

ANALYSIS

Gas-liquid chromatographic-mass spectrometric confirmation of endosulfan and endosulfan sulfate in apples and carrots. Wilkes PS. **J Assoc Off Anal Chem** 1981 Sep; 64(5):1208–10
Gas-liquid chromatographic studies on residues of endosulfan on chilli fruits. Pokharkar DS, et al. **J Environ Sci Health [B]** 1981;B16(4):439–51

TOXICITY

Relative toxicity of the technical grade material, isomers, and formulations of endosulfan to the fish Channa punctata. Devi AP, et al. **Bull Environ Contam Toxicol** 1981 Aug; 27(2):239–43
Acute toxicity of Thiodan to catfish (Heteropneustes fossilis). Singh BB, et al. **Bull Environ Contam Toxicol** 1982 Jan; 28(1):122–7
Toxicity of endosulfan to the freshwater fish Cirrhinus mrigala. Swarup PA, et al. **Bull Environ Contam Toxicol** 1981 Dec;27(6):850–5
Effects of endosulfan on fish carbohydrate metabolism. Singh NN, et al. **Ecotoxicol Environ Safety** 1981 Dec;5(4):412–7
The role of toxicity in the carcinogenicity of endosulfan. Reuber MD. **Sci Total Environ** 1981 Aug;20(1):23–47
Effects of a few xenobiots on three phosphatases of Saccobranchus fossilis and the role of ascorbic acid in their toxicity. Verma SR, et al. **Toxicol Lett** 1982 Feb; 10(2–3):287–92
Effect of a single oral dose of endosulfan on intestinal uptake of nutrients and on brush-border enzymes in rats. Wali RK, et al. **Toxicol Lett** 1982 Jun;12(1):7–12
Effect of a neurotic pesticide, endosulfan, on tissue blood flow in cats, including regional cerebral circulation. Anand M, et al. **Vet Hum Toxicol** 1981 Aug;23(4):252–8

ENDOTHALL see under **DICARBOXYLIC ACIDS**

ENDOTHELIUM

A novel method to establish primary cultures of bovine corneal endothelial cells. Hyldahl L, et al. **Cell Biol Int Rep** 1982 May;6(5):523–8
Immunological identification and comparison of plasminogen activator forms in cultured normal human endothelial cells and smooth muscle cells. Booyse FM, et al. **Thromb Res** 1981 Dec 1–15;24(5–6):495–504
The culture of vascular endothelial cells to confluence on microporous membranes. McCall E, et al. **Thromb Res** 1981 Dec 1–15;24(5–6):417–31

ANALYSIS

Ultrastructural localization of adenosine diphosphatase activity in cultured aortic endothelial cells. Wilson PD, et al. **Histochem J** 1982 Mar;14(2):215–9
Histamine receptors of the microvascular endothelium revealed in situ with a histamine-ferritin conjugate: characteristic high-affinity binding sites in venules. Heltianu C, et al. **J Cell Biol** 1982 May;93(2):357–64

ANATOMY & HISTOLOGY

Ulex europaeus I lectin as a marker for vascular endothelium in human tissues. Holthöfer H, et al. **Lab Invest** 1982 Jul; 47(1):60–6

CYTOLOGY

Performance of tissue cultured endothelial cells in a mock circulatory loop. Eskin SG, et al. **Artery** 1982;10(3):159–71
Evidence for reversible morphologic phenotypes (sprouts) of cultured endothelial cells. Makarski JS Jr. **Cell Biol Int Rep** 1982 Mar;6(3):225–33
Microcarrier culture of vascular endothelial cells on solid plastic beads. Davies PF. **Exp Cell Res** 1981 Aug; 134(2):367–76
Tumor cell attachment to the vascular endothelium and subsequent degradation of the subendothelial extracellular matrix. Vlodavsky I, et al. **Exp Cell Res** 1982 Jul; 140(1):149–59
Influence of different corpus luteum fractions on the DNA synthesis of cultivated fibroblasts, medial, and endothelial cells. Jakob W, et al. **Exp Pathol** 1981;19(2):130–5
Interferometric studies of endothelial cells in primary culture. Bereiter-Hahn J, et al. **Histochemistry** 1981;73(2):269–84
Regulation of endothelial cell DNA synthesis and adherence. Beliner JA. **In Vitro** 1981 Nov;17(11):985–92
Serial propagation of human endothelial cells in vitro. Maciag T, et al. **J Cell Biol** 1981 Nov;91(2 Pt 1):420–6
Effect of substrata and fibroblast growth factor on the proliferation in vitro of bovine aortic endothelial cells. Gospodarowicz D, et al. **J Cell Physiol** 1981 Oct; 109(1):69–81
Synthesis and distribution of cytoskeletal elements in endothelial cells as a function of cell growth and organization. Savion N, et al. **J Cell Physiol** 1982 Feb; 110(2):129–41
Detachment of endothelial cells by polymorphonuclear leukocytes in vitro: potentiation by antibody coating and prevention by inflammatory exudate. Cogen RB, et al. **J Periodontol** 1981 Nov;52(11):668–72
Ultrastructure of cytokinesis in blood capillary endothelial cells in thyroid gland in vivo. Zeligs JD, et al. **J Ultrastruct Res** 1981 Jun;75(3):291–9
Primary culture of rat cerebral microvascular endothelial cells. Isolation, growth, and characterization. Diglio CA, et al. **Lab Invest** 1982 Jun;46(6):554–63
Persistence of axial orientation cues in regenerating intima of cultured aortic explants. Jackman RW. **Nature** 1982 Mar 4;296(5852):80–3
Effect of human thrombocytopenic serum on the cultured

endothelial cell growth. Nakajima T, et al. **Nippon Ketsueki Gakkai Zasshi** 1981 Feb;44(1):190–2

Endothelial cell culture on fibrillar collagen: model to study platelet adhesion and liposome targeting to intercellular collagen matrix. Chazov EI, et al. **Proc Natl Acad Sci USA** 1981 Sep;78(9):5603–7

Expanded polytetrafluoroethylene vascular prostheses seeded with enzymatically derived and cultured canine endothelial cells. Graham LM, et al. **Surgery** 1982 May;91(5):550–9

Comparison of pulmc.ıary endothelial cell and fibroblast proliferation using time–lapse cinematographic analysis. Absher M, et al. **Tissue Cell** 1981;13(4):645–50

[Endothelial cells in the blood vessels of mature human placental villi] Nikolov SD, et al. **Acta Anat (Basel)** 1981; 110(4):338–44 (Eng. Abstr.) **(Ger)**

[Electrophysiological studies of in vitro cultured endothelial cells from the calf aorta] Richter R, et al. **Acta Biol Med Ger** 1981;40(7–8):1071–5 (Eng. Abstr.) **(Ger)**

DRUG EFFECTS

Deleterious effects of endotoxin on cultured endothelial cells: an in vitro model of vascular injury. Yamada O, et al. **Inflammation** 1981 Jun;5(2):115–26

Migration inhibition of endothelial cells by lymphokine–containing supernatants. Cohen MC, et al. **Science** 1982 Jan 15;215(4530):301–3

Effect of low molecular weight fibrin degradation products on endothelial cells in culture. Busch C, et al. **Thromb Res** 1981 Apr 1–15;22(1–2):33–9

[Effect of intravesical instillation of cytostatic agents on the normal urothelium (author's transl)] Rübben H, et al. **Urologe [Ausg A]** 1982 Mar;21(2):116–7 (Eng. Abstr.) **(Ger)**

ENZYMOLOGY

Phorbol esters stimulate protease production by human endothelial cells. Moscatelli D, et al. **Carcinog Compr Surv** 1982;7:401–4

Aging of endothelium in culture: decrease in angiotensin–converting enzyme activity. Del Vecchio PJ, et al. **Cell Biol Int Rep** 1982 Apr;6(4):379–84

Induction by glucocorticoids of angiotensin converting enzyme production from bovine endothelial cells in culture and rat lung in vivo. Mendelsohn FA, et al. **J Clin Invest** 1982 Sep;70(3):684–92

IMMUNOLOGY

Fc and C3 receptors induced by herpes simplex virus on cultured human endothelial cells. Cines DB, et al. **J Clin Invest** 1982 Jan;69(1):123–8

METABOLISM

Mechanisms of hemostasis and therapy of thrombosis: new concepts based on the metabolism of arachidonic acid by platelets and endothelial cells. Silver MJ. **Adv Pharmacol Chemother** 1981;18:1–47 (144 ref.)

The effects of endothelial cell–conditioned media on the proliferation of aortic smooth muscle cells and 3T3 cells in culture. Wang CH, et al. **Artery** 1981;9(5):358–71

Fate of milk 125I–labelled lipoprotein lipase in cells in culture. Comparison of lipoprotein lipase– and non–lipoprotein lipase–synthesizing cells. Friedman G, et al. **Biochim Biophys Acta** 1982 Apr 15;711(1):114–22

Prostacyclin and prostaglandin biosynthesis in human pulmonary endothelial cells. Johnson AR, et al. **Bull Eur Physiopathol Respir** 1981;17(4):531–51

Pulmonary metabolism of prostaglandins and related compounds. Ryan JW, et al. **Bull Eur Physiopathol Respir** 1981;17(4):647–56

Regulation of polypeptide synthesis in endothelial cells and hybridoma cells by the copper ionophore disulfiram. Hannan GN, et al. **Cell Biol Int Rep** 1982 May;6(5):423–32

Bradykinin–stimulated prostaglandin E2 production by endothelial cells and its modulation by antiinflammatory compounds. Jose PJ, et al. **Inflammation** 1981 Dec; 5(4):363–78

Cultured endothelial cells produce a heparinlike inhibitor of smooth muscle cell growth. Castellot JJ Jr, et al. **J Cell Biol** 1981 Aug;90(2):372–9

Regulation of sterol transport in human microvascular endothelial cells. Fielding PE, et al. **J Cell Biol** 1982 Aug; 94(2):350–4

Effect of cell density on thrombin binding to a specific site on bovine vascular endothelial cells. Isaacs J, et al. **J Cell Biol** 1981 Sep;90(3):670–4

Synthesis and secretion of thrombospondin by cultured human endothelial cells. Mosher DF, et al. **J Cell Biol** 1982 May;93(2):343–8

Modulation of synthesis of specific proteins in endothelial cells by copper, cadmium, and disulfiram: an early response to an angiogenic inducer of cell migration. Hannan GN, et al. **J Cell Physiol** 1982 May;111(2):207–12

Involvement of cell surface heparin sulfate in the binding of lipoprotein lipase to cultured bovine endothelial cells. Shimada K, et al. **J Clin Invest** 1981 Oct;68(4):995–1002

Utilization of arachidonic and linoleic acids by cultured human endothelial cells. Spector AA, et al. **J Clin Invest** 1981 Oct;68(4):1003–11

The role of vesicles in the transport of ferritin through frog endothelium. Clough G, et al. **J Physiol (Lond)** 1981 Jun; 315:127–42

The effect of chondroitin–sulfate and hyaluronic acid on glycosaminoglycan and collagen synthesis and secretion by cultured arterial endothelial cells. Bihari–Varga M, et al. **Pathol Biol (Paris)** 1981 Nov;29(9):562–6

Age–related changes in the glycosaminoglycans and collagen of cultured pig endothelial cells. Bihari–Varga M, et al. **Pathol Biol (Paris)** 1981 Nov;29(9):555–61

Role of Ca2+ and cyclic AMP in the regulation of the production of prostacyclin by the vascular endothelium. Brotherton AF, et al. **Proc Natl Acad Sci USA** 1982 Jan; 79(2):495–9

Enhanced macrophage degradation of low density lipoprotein previously incubated with cultured endothelial cells: recognition by receptors for acetylated low density lipoproteins. Henriksen T, et al. **Proc Natl Acad Sci USA** 1981 Oct;78(10):6499–503

MICROBIOLOGY

Human endothelial cell culture plaques induced by Rickettsia rickettsii. Walker DH, et al. **Infect Immun** 1982 Jul; 37(1):301–6

PATHOLOGY

Proliferation kinetics of endothelial and tumour cells in three mouse mammary carcinomas. Hirst DG, et al. **Cell Tissue Kinet** 1982 May;15(3):251–61

Neutrophil–mediated endothelial injury in vitro mechanisms of cell detachment. Harlan JM, et al. **J Clin Invest** 1981 Dec;68(6):1394–403

Metastatic tumor cell attachment and invasion assay utilizing vascular endothelial cell monolayers. Nicolson GL. **J Histochem Cytochem** 1982 Mar;30(3):214–20

PHYSIOLOGY

Vascular wall growth control: the role of the endothelium. Schwartz SM, et al. **Arteriosclerosis** 1981 Mar–Apr; 1(2):107–26

Anti–clotting activity of endothelial cell cultures and heparan sulfate proteoglycans. Colburn P, et al. **Biochem Biophys Res Commun** 1982 Jan 15;104(1):220–7

The mesothelium and its reactions: a review. Whitaker D, et al. **CRC Crit Rev Toxicol** 1982 Apr;10(2):81–144 (456 ref.)

The endothelial cells of large and small blood vessels. Zetter BR. **Diabetes** 1981;30(Suppl 2):24–8

Media conditioned by cultured human vascular endothelial cells inhibit the growth of vascular smooth muscle cells. Willems C, et al. **Exp Cell Res** 1982 May;139(1):191–7

Ultrastructural study of patch–graft re–endothelialization. Cuevas P, et al. **Experientia** 1981 Jul 15;37(7):775–7

Intercellular junctions and transfer of small molecules in primary vascular endothelial cultures. Larson DM, et al. **J Cell Biol** 1982 Jan;92(1):183–91

Ability of endothelial cells to condition culture medium. Gajdusek CM, et al. **J Cell Physiol** 1982 Jan;110(1):35–42

In vitro correlates of endothelial injury and repair. Fillit HM, et al. **Lab Invest** 1982 Jan;46(1):1–9

Role of the vascular endothelium. Hoak JC, et al. **Philos Trans R Soc Lond [Biol]** 1981 Aug 18; 294(1072):331–8

Interactions between stimulated platelets and endothelial cells in vitro. Marcus AJ, et al. **Philos Trans R Soc Lond [Biol]** 1981 Aug 18; 294(1072):343–53

Role of endothelial cells in relaxation of isolated arteries by bradykinin. Cherry PD, et al. **Proc Natl Acad Sci USA** 1982 Mar;79(6):2106–10

Interactions of tumor cells with whole basement membrane in the presence or absence of endothelium. Foltz CM, et al. **Prog Clin Biol Res** 1982;89:353–71

Direct evidence for the contractile capacity of endothelial cells. De Clerck F, et al. **Thromb Res** 1981 Sep 15; 23(6):505–20

[The endothelium: protective barrier or irritating thorn] Caen JP, et al. **Nouv Rev Fr Hematol** 1982;24(2):55–7 (10 ref.) **(Fre)**

PHYSIOPATHOLOGY

Endothelium and arteriosclerosis. Harker LA, et al. **Clin Haematol** 1981 Jun;10(2):283–96 (99 ref.)

ULTRASTRUCTURE

Evidence for complement–induced endothelial injury in vivo: a comparative ultrastructural tracer study in a controlled model of hyperacute rat cardiac allograft rejection. Forbes RD, et al. **Am J Pathol** 1982 Mar;106(3):378–87

Hydrodynamic injury of the endothelium in acute aortic stenosis. Joris I, et al. **Am J Pathol** 1982 Mar;106(3):394–408

Vimentin filaments in cultured endothelial cells form butyrate–sensitive juxtanuclear masses after repeated subculture. Hormia M, et al. **Exp Cell Res** 1982 Mar; 138(1):159–66

Bovine corneal endothelium in vitro. Elaboration and organization and of a basement membrane. MacCallum DK, et al. **Exp Cell Res** 1982 May;139(1):1–13

Culture–produced subendothelium. I. Platelet interaction and properties. Booyse FM, et al. **Haemostasis** 1982;11(1):49–61

Differentiated microdomains on the luminal surface of capillary endothelium: distribution of lectin receptors. Simionescu M, et al. **J Cell Biol** 1982 Aug;94(2):406–13

Vesicle distribution in the arterial endothelium determined with ruthenium red as an extracellular marker. Chien S, et al. **J Ultrastruct Res** 1982 May;79(2):198–206

En face morphology of endothelial junctions. Reidy MA, et al. **J Ultrastruct Res** 1981 Jun;75(3):363–7

Structure and function of sinusoidal endothelium of bone marrow. Tavassoli M. **Prog Clin Biol Res** 1981;59B:249–56

Endothelium and 'silver lines'. An electron microscopic study. Zand T, et al. **Virchows Arch [Pathol Anat]** 1982; 395(2):133–44

[Development and functional morphology of the Weibel–Palade–bodies in endothelial cells (author's transl)] Heine H, et al. **Z Mikrosk Anat Forsch** 1981;95(4):617–24 (Eng. Abstr.) **(Ger)**

[Cytoskeleton of endothelial cells, its functional significance and technics for studying it] Karaganov IaL, et al. **Arkh Anat Gistol Embriol** 1981 Sep;81(9):5–26 (102 ref.) **(Rus)**

ENDOTOXINS

see related

LIMULUS TEST

Absence of endotoxin fever but not prostaglandin E2 fever in the Brattleboro rat. Eagan PC, et al. **Am J Physiol** 1982 Jan;242(1):R116–20

Assay of penetrability of bovine papillary duct implanted with Escherichia coli endotoxin. Schultze WD. **Am J Vet Res** 1981 Nov;42(11):1993–8

Plasma zinc and iron concentrations as measurements for evaluating the influence of endotoxin–neutralizing agents in Escherichia coli endotoxin–induced mastitis. Verheijden JH, et al. **Am J Vet Res** 1982 Apr;43(4):724–8

Changes in phase transition temperature of phospholipids induced by endotoxin. Liu MS, et al. **Biochim Biophys Acta** 1982 Feb 15;710(2):248–51

Polyamine responses in a solid transplanted tumor (S180) in liver and in urine during endotoxin–induced tumor injury in the mouse. Roth H, et al. **Cancer** 1981 Aug 15; 48(4):945–50

A new synthetic route to 2–(acylamino)–2–deoxy–alpha–D–glucopyranosyl phosphates, and their endotoxic activity related to the Salmonella–type lipid A. Kiso M, et al. **Carbohydr Res** 1981 Sep 1;95(1):C5–8

Dissociation of systemic and renal effects in endotoxemia. Prostaglandin inhibition uncovers an important role of renal nerves. Henrich WL, et al. **J Clin Invest** 1982 Mar; 69(3):691–9

Role of prostaglandin E in the biphasic fever response to endotoxin. Skarnes RC, et al. **J Exp Med** 1981 Oct 1; 154(4):1212–24

Reducing the endotoxic activity of pertussis vaccine. Bannatyne RM, et al. **J Hyg (Lond)** 1981 Dec;87(3):377–81

Effect of endotoxin fever on plasma clearance of thyroxine and tri–iodothyronine: concise communication. Elson MK, et al. **J Nucl Med** 1982 Mar;23(3):241–4

Role of splenic red pulp in endotoxin–induced disseminated intravascular coagulation. Lotz MJ, et al. **Lab Invest** 1981 Nov;45(5):469–76

Old mice: marrow response to bleeding or endotoxin. Tyan ML. **Proc Soc Exp Biol Med** 1982 Feb;169(2):295–300

Thromboxane and pulmonary hypertension following E. coli endotoxin infusion in sheep: effect of an imidazole derivative. Watkins WD, et al. **Prostaglandins** 1982 Mar; 23(3):273–85

Quantitative measurement of endotoxin in human blood using synthetic chromogenic substrate for horseshoe crab clotting enzyme: a comparison of methods of blood sampling and treatment. Takagi K, et al. **Thromb Res** 1981 Jul 1–15; 23(1–2):51–7

ADMINISTRATION & DOSAGE

Endotoxins [letter] Gans H. **Hepatology** 1982 Mar–Apr; 2(2):292

Bovine mammary involution following intramammary infusion on colchicine and endotoxin at drying off. Oliver SP, et al. **J Dairy Sci** 1982 May;65(5):801–13

Effects of immunization of horses with common antigen (OEP), protease toxoid, and elastase toxoid on corneal ulceration due to Pseudomonas aeruginosa infection. Ueda Y, et al. **Nippon Juigaku Zasshi** 1982 Apr;44(2):289–300

ADVERSE EFFECTS

Effects of acetylsalicylic acid and prostaglandin on endotoxin–induced pulmonary platelet sequestration. Thörnee LJ, et al. **Acta Chir Scand** 1981;147(3):161–2

Age–related differences in the febrile response of the New Zealand White rabbit to endotoxin. Ferguson AV, et al. **Can J Physiol Pharmacol** 1981 Jun;59(6):613–4

Endotoxins and the pathogenesis of hepatic and gastrointestinal diseases. Liehr H. **Ergeb Inn Med Kinderheilkd** 1982;48:117–93 (394 ref.)

Clotting and other plasma factors in experimental endotoxemia: inhibition of degradation by exogenous proteinase inhibitors. Jochum M, et al. **Eur Surg Res** 1981; 13(2):152–68

Interferon preparations and contaminating endotoxin [letter] Fumarola D, et al. **Infection** 1981;9(5):255

Toxic shock syndrome: interaction of endotoxin and staphylococcal toxins [letter] Fumarola D, et al. **Infection** 1981;9(5):255

The effect of live E. coli and endotoxin on mortality following massive bowel resection. West K, et al. **J Pediatr Surg** 1981 Dec;16(6):846–9

Bacterial endotoxin may be culprit in 'Monday fever' [news] Macek C. **JAMA** 1982 May 28;247(20):2765–6

Organic dust diseases and endotoxins. Edwards JH. **Rev Epidemiol Sante Publique** 1981;29(2):199–207

ANALYSIS

A brief report of gram-negative bacterial endotoxin levels in airborne and settled dusts in animal confinement buildings. Thedell TD, et al. **Am J Industr Med** 1980; 1(1):3–7

Production and properties of cyanobacterial endotoxins. Keleti G, et al. **Appl Environ Microbiol** 1982 Jan; 43(1):104–9

Modified micromethod of the Limulus amoebocyte lysate assay for endotoxin. Melvaer KL, et al. **Appl Environ Microbiol** 1982 Feb;43(2):493–4

Endotoxin in paroxysmal nocturnal haemoglobulinuria (PNH) [letter] Vellenga E, et al. **Br J Haematol** 1982 Jan; 50(1):174–5

Cotton bacterial endotoxin assessed by electron microscopy. Helander I, et al. **Br J Ind Med** 1981 Nov;38(4):394–6

Determination of endotoxin using fluorescent probe. Yoshida K, et al. **Clin Chim Acta** 1982 May 20;121(2):265–70

Interactions of lipopolysaccharides, glycolipid, lipid A with acid soluble basement membrane collagen during thermal aggregation. Roszkowski M, et al. **Coll Relat Res** 1981 Apr; 1(3):287–93

In vitro immunological activities of the polysaccharide fraction from Haemophilus influenzae type a endotoxin. Guenounou M, et al. **Infect Immun** 1982 May;36(2):603–8

Release of toxic microvesicles by Actinobacillus actinomycetemcomitans. Nowotny A, et al. **Infect Immun** 1982 Jul;37(1):151–4

Isolation of a trisaccharide containing 2-amino-2-deoxy-D-galacturonic acid from the Bordetella pertussis endotoxin. Moreau M, et al. **J Bacteriol** 1982 Apr;150(1):27–35

Potentiating effect of calcium gluconate on the Limulus amebocyte lysate (LAL) gelation-endpoint assay for endotoxin. Steindler KA, et al. **J Parenter Sci Technol** 1981 Sep–Oct;35(5):242–7

Occupational exposure to airborne endotoxins during poultry processing. Olenchock SA, et al. **J Toxicol Environ Health** 1982 Feb;9(2):339–49

Endotoxins of Gram-negative bacteria. Lüderitz O, et al. **Pharmacol Ther** 1981;15(3):383–402

Bacterial endotoxin in new and reused hemodialyzers: a potential cause of endotoxemia. Petersen NJ, et al. **Trans Am Soc Artif Intern Organs** 1981;27:155–60

Studies on Escherichia coli vaccines: estimation of endotoxins in veterinary vaccines. Hussaini SN, et al. **Vet Res Commun** 1981 Dec;5(2):171–5

[Studies on the limulus test for detection of endotoxin (pyrogen) in radiopharmaceuticals (author's transl)] Xia ZM, et al. **Yao Hsueh Hsueh Pao** 1981 Feb;16(2):122–6 (Eng. Abstr.) **(Chi)**

[Are endotoxins present in cirrhotic ascitic fluid? results of 110 limulus tests (author's transl)] Trinchet JC, et al. **Gastroenterol Clin Biol** 1981 Dec;5(12):1103–7 (Eng. Abstr.) **(Fre)**

[Endotoxin content of samples of pasteurized milk: preliminary findings] Monno R, et al. **G Batteriol Virol Immunol** 1980 Jul–Dec;73(7–12):228–33 (Eng. Abstr.) **(Ita)**

[Chemical, immunological and biological properties of Haemophilus influenzae endotoxin] Kopacka B, et al. **Med Dosw Mikrobiol** 1981;33(3–4):165–72 (Eng. Abstr.) **(Pol)**

[Effect of semisynthetic cephalosporins on the LAL test (author's transl)] Ordóñez D, et al. **Arch Farmacol Toxicol** 1980 Dec;6(3):225–8 (Eng. Abstr.) **(Spa)**

ANTAGONISTS & INHIBITORS

Limulus anti-LPS factor: an anticoagulant which inhibits the endotoxin mediated activation of Limulus coagulation system. Tanaka S, et al. **Biochem Biophys Res Commun** 1982 Mar 30;105(2):717–23

Antitumor and toxohormone-neutralizing activities of human ceruloplasmin. Itoh O, et al. **Gan** 1981 Jun;72(3):370–6

Chemical treatment of diseased root surfaces in vitro. Wirthlin MR, et al. **J Periodontol** 1981 Nov;52(11):694–6

[Effect of polymyxin B on endotoxemia in severe liver diseases (author's transl)] Iwasaki M, et al. **Nippon Shokakibyo Gakkai Zasshi** 1982 Feb;79(2):241–8 (Eng. Abstr.) **(Jpn)**

BIOSYNTHESIS

[Has the incubation temperature an effect upon the endotoxin contents of Y. enterocolitica? (author's transl)] Hellmann E, et al. **Zentral Bakteriol Mikrobiol Hyg [A]** 1982 Apr; 251(4):529–36 (Eng. Abstr.) **(Ger)**

[Participation of Bacillus thuringiensis plasmids in the synthesis of an insecticidal delta-endotoxin] Lebedev AN, et al. **Dokl Akad Nauk SSSR** 1982;264(4):974–6 **(Rus)**

BLOOD

Microclot generation (MCG) test in disease. Preliminary report. Juhlin L, et al. **Acta Med Scand** 1981;210(4):305–7

Endotoxin role in peritonitis septic shock in rats. Yates AJ, et al. **Adv Shock Res** 1980;4:63–71

Endotoxin-induced hyperinsulinemia and hyperglucagonemia after experimental liver injury. Cornell RP. **Am J Physiol** 1981 Dec;241(6):E428–35

Endotoxemia, disturbance of coagulation, and obstructive jaundice. Hunt DR, et al. **Am J Surg** 1982 Sep;144(3):325–9

Endotoxemia in psoriasis [letter] Belew PW, et al. **Arch Dermatol** 1982 Mar;118(3):142–3

Endotoxemia following experimental intestinal strangulation obstruction in ponies. Moore JN, et al. **Can J Comp Med** 1981 Jul;45(3):330–2

Quantitative endotoxin determination in blood with a chromogenic substrate. Thomas LL, et al. **Clin Chim Acta** 1981 Oct 8;116(1):63–8

Endotoxaemia and complement activation in acute pancreatitis in man. Foulis AK, et al. **Gut** 1982 Aug; 23(8):656–61

Treatment of endotoxemia in galactosamine hepatitis by lactulose administered intravenously. Liehr H, et al. **Hepatogastroenterology** 1981 Dec;28(6):296–8

Endotoxaemia in acute viral hepatitis. Magliulo E, et al. **Hepatogastroenterology** 1981 Dec;28(6):299–303

A rapid method for the detection of Gram-negative bacterial endotoxins in whole blood. McLeod C, et al. **J Biol Stand** 1981;9(3):299–306

Principles of a quantitative assay for bacterial endotoxins in blood that uses Limulus lysate and a chromogenic substrate. Webster CJ. **J Clin Microbiol** 1980 Nov;12(5):644–50

Endotoxin and cirrhosis [editorial] **Lancet** 1982 Feb 6; 1(8267):318–9

New limulus amoebocyte lysate test for endotoxaemia [letter] Obayashi T, et al. **Lancet** 1982 Jan 30;1(8266):289

Acute renal failure in the 1980s: the importance of septic shock and of endotoxaemia. Wardle N. **Nephron** 1982; 30(3):193–200 (90 ref.)

Bacterial endotoxins and the pathogenesis of fatty liver--haemorrhagic syndrome in the laying hen. Pearson AW, et al. **Res Vet Sci** 1981 Sep;31(2):259–61

[Preliminary results on the effects of pretreatment with thymic extract on experimental endotoxin hepatitis in the mouse] Corridori S, et al. **Boll Ist Sieroter Milan** 1981; 60(1):61–8 (Eng. Abstr.) **(Ita)**

[Experience with Limulus endotoxin assay in nephrology. II. Findings in clinical practice] Passavanti G, et al. **G Batteriol Virol Immunol** 1981 Jan–Jun;74(1–6):55–60 **(Ita)**

[Determination of bacterial endotoxin levels in the blood of animals and humans subjected to radiation] Kiselev PN, et al. **Lab Delo** 1981;(9):561–3 **(Rus)**

[Characteristics of the endotoxemia during cervical cancer radiation treatment] Gabelov AA, et al. **Med Radiol (Mosk)** 1981 Nov;26(11):19–23 (Eng. Abstr.) **(Rus)**

DIAGNOSTIC USE

[The response of neutrophils to endotoxin stimulation using the NBT test in cord blood of newborn infants] Sariaslan M, et al. **Pediatrie** 1981 Jun;36(4):271–6 (Eng. Abstr.) **(Fre)**

IMMUNOLOGY

An ELISA procedure for detecting human anti-endotoxin antibodies in serum. Gaffin SL, et al. **Ann Clin Biochem** 1982 May;19(3):191–4

Serological activity of 'Bacteroides fragilis' endotoxins—strains isolated in Poland. Meisel-Mikołajczyk F, et al. **J Appl Bacteriol** 1981 Dec;51(3):399–404

Serological activity of 'bacteroides fragilis' culture supernatants. Meisel-Mikołajczyk F, et al. **J Appl Bacteriol** 1981 Dec;51(3):393–7

Identification of outer membrane proteins, including known lymphocyte mitogens, as the endotoxin protein of Escherichia coli 0111. Goldman RC, et al. **J Immunol** 1981 Oct;127(4):1290–4

Passive protection against X-irradiation with serum from zymosan-primed and endotoxin-injected mice. Addison PD, et al. **J Reticuloendothel Soc** 1981 Oct;30(4):301–11

Development of antibodies to OEP, exotoxin A and exoenzymes of Pseudomonas aeruginosa in man. Shinozaki T, et al. **Jpn J Exp Med** 1981 Jun;51(3):165–70

Comparative study of Escherichia coli endotoxin, hydrocortisone and Beljanski leukocyte restorer activity in cyclophosphamide-treated rabbits. Plawecki M, et al. **Proc Soc Exp Biol Med** 1981 Dec;168(3):408–13

Successful treatment of human gram-negative bacteremia with antiserum against endotoxin core. Ziegler EJ, et al. **Trans Assoc Am Physicians** 1981;94:39–43

[Hemagglutination titer of gamma-globulin preparations for intravenous use against OEP (original endotoxin protein), protease and elastase of Pseudomonas aeruginosa (author's transl)] Yamashita N, et al. **Kansenshogaku Zasshi** 1981 Sep; 55(9):637–41 (Eng. Abstr.) **(Jpn)**

[Endotoxins, implications for pathology and immunopathology] **Rev Ig [Bacteriol]** 1981 Jan–Jun; 26(1–2):1–141 **(Rum)**

ISOLATION & PURIFICATION

Purification and biological characterization of endotoxin fractions from Pasteruella haemolytica. Rimsay RL, et al. **Am J Vet Res** 1981 Dec;42(12):2134–8

[Chemical and biological properties of endotoxin of pseudomonas aeruginosa (author's transl)] Abe C, et al. **Nippon Saikingaku Zasshi** 1981 May;36(3):565–71 (24 ref.) **(Jpn)**

[Mathematical modeling of the processes of extracorporeal removal of endotoxins from the body] Bespalov IuG, et al. **Klin Khir** 1982 Jan;(1):38–40 (Eng. Abstr.) **(Rus)**

[Pseudomonas viridiflavia lipopolysaccharide and endotoxin] Santaolalla M. **Microbiol Esp** 1979–1980;32–33:27–42 (Eng. Abstr.) **(Spa)**

METABOLISM

Loss of endotoxin liberation in Neisseria meningitidis. Andersen BM, et al. **Acta Pathol Microbiol Scand [B]** 1981 Aug;89(4):271–8

Effect of penicillin on the morphology of a Neisseria meningitidis strain liberating free endotoxin. An electron microscope study. Andersen BM, et al. **Acta Pathol Microbiol Scand [B]** 1981 Oct;89(5):347–56

Time course of cellular distribution of endotoxin in liver, lungs and kidneys of rats. Freudenberg MA, et al. **Br J Exp Pathol** 1982 Feb;63(1):56–65

The binding of Escherichia coli endotoxin to isolated rat hepatocytes. Pagani R, et al. **FEBS Lett** 1981 Aug 17; 131(1):103–7

Hepatic uptake of endotoxin [letter] Ramadori G, et al. **Gastroenterology** 1982 Aug;83(2):521–2

The hepatocellular uptake and biliary excretion of endotoxin in the rat. Maitra SK, et al. **Hepatology** 1981 Sep–Oct; 1(5):401–7

Endotoxin penetration into root cementum of periodontally healthy and diseased human teeth. Nakib NM, et al. **J Periodontol** 1982 Jun;53(6):368–78

Interactions between bacterial pyrogen and proteolipid extracted from the cerebrum. (III). Variation in affinity of proteolipid proteins derived from rabbit, rat and chicken cerebrums to bacterial pyrogen. Ogawa Y, et al. **Jpn J Pharmacol** 1982 Feb;32(1):189–94

Release of endotoxic lipopolysaccharide by sensitive strains of Escherichia coli submitted to the bactericidal action of human serum. Demonty J, et al. **Med Microbiol Immunol (Berl)** 1982;170(4):265–77

Endotoxic activity in periapical lesions. Schonfeld SE, et al. **Oral Surg** 1982 Jan;53(1):82–7

Endotoxin, sinusoidal cells, and liver injury. Nolan JP, et al. **Prog Liver Dis** 1982;7:361–76 (86 ref.)

[Intestinal endotoxin and obstructive jaundice. 2. Effect of bile salts on the intestinal absorption of endotoxins] Martínez Veiga JL, et al. **Rev Esp Enferm Apar Dig** 1981 Sep;60(3):217–20 (Eng. Abstr.) **(Spa)**

[Renal insufficiency and obstructive jaundice. 1. Role of the absorption of intestinal endotoxins] Martínez Veiga JL, et al. **Rev Esp Enferm Apar Dig** 1981 Sep;60(3):213–6 (Eng. Abstr.) **(Spa)**

PHARMACODYNAMICS

Early effects of E. coli endotoxin on superior sagittal sinus blood flow. An experimental study in dogs. Ekström-Jodal B, et al. **Acta Anaesthesiol Scand** 1982 Jun;26(3):171–4

The effect of endotoxin on the liver lipid peroxide level and on the liver and plasma zinc concentrations in rats as related to time after administration. Sankari S, et al. **Acta Vet Scand** 1982;23(1):24–9

Direct effects of endotoxin on the microcirculation. Baris C, et al. **Adv Shock Res** 1980;4:153–60

Effect of endotoxin on hepatic pyruvate kinase activity in normal and diabetic dogs. Sharma C, et al. **Adv Shock Res** 1979;2:245–8

Effects of endotoxin in murine burns. Spillert CR, et al. **Adv Shock Res** 1981;5:163–8

Alterations in insulin action by endotoxin in vitro. Spitzer JA, et al. **Adv Shock Res** 1979;2:129–36

Effect of endotoxin on arachidonic acid release and thromboxane B2 production by human platelets. Stuart MJ. **Am J Hematol** 1981 Sep;11(2):159–64

Metabolic and hormonal changes following endotoxin administration to diabetic rats. Kelleher DL, et al. **Am J Physiol** 1982 Jul;243(1):R77–81

Endothelial cell damage in piglet coronary artery after intravenous administration of E. coli endotoxin. A scanning and transmission electron-microscopic study. Pesonen E, et al. **Atherosclerosis** 1981 Aug–Sep;40(1):65–73

Different structural requirements of endotoxic glycolipid for tumor regression and endotoxic activity. Amano K, et al. **Biochem Biophys Res Commun** 1982 Jun 15;106(3):677–82

Effect of E. coli endotoxin on the structure-function of fatty acid synthetase lipoprotein. Gavilanes JG, et al. **Biochem Biophys Res Commun** 1981 Aug 31;101(4):1228–32

Endotoxin-induced alterations in glucose transport in isolated adipocytes. Leach GJ, et al. **Biochim Biophys Acta** 1981 Oct 20;648(1):71–9

Microwave radiation (2450 MHz) alters the endotoxin-induced hypothermic response of rats. Smialowicz RJ, et al. **Bioelectromagnetics** 1980;1(4):353–61

Production of an anti-tumour cytotoxin by human monocytes: comparison of endotoxin, interferons and other agents as inducers. Matthews N. **Br J Cancer** 1982 Apr;

45(4):615–7

Rat blood leucocytes, unlike rabbit leucocytes, do not generate procoagulant activity on exposure to endotoxin. Semeraro N, et al. **Br J Exp Pathol** 1981 Dec;62(6):638–42

Canine cyclic haematopoiesis: the effect of endotoxin on erythropoiesis. Hammond WP, et al. **Br J Haematol** 1982 Feb;50(2):283–94

Further studies on the mechanism of marrow granulocytic hyperplasia in mice chronically injected with endotoxin. Levitt LJ, et al. **Br J Haematol** 1982 Feb;50(2):269–81

Dissimilar effects on body temperature in the cat produced by guanosine 3',5'-monophosphate, acetylcholine and bacterial endotoxin. Dascombe MJ, et al. **Br J Pharmacol** 1981 Oct;74(2):405–13

Endotoxin inhibition of macrophage-mediated bone resorption. Kahn AJ, et al. **Calcif Tissue Int** 1981; 33(3):269–75

In vitro generation of tumoricidal properties in human alveolar macrophages following interaction with endotoxin. Sone S, et al. **Cancer Res** 1982 Jun;42(6):2227–31

Macrophage fibrinolytic activity: identification of two pathways of plasmin formation by intact cells and of a plasminogen activator inhibitor. Chapman HA Jr, et al. **Cell** 1982 Mar;28(3):653–62

Human monocyte-derived growth factor(s) for mesenchymal cells: activation of secretion by endotoxin and concanavalin A. Glenn KC, et al. **Cell** 1981 Sep;25(3):603–15

Effect of bacterial lipopolysaccharide on the in vitro secondary antibody response in mice. II. Abrogation of the suppressive capacity of endotoxin. Walker SM, et al. **Cell Immunol** 1982 Feb;67(1):168–72

Effects of endotoxin on immunity in aging mice. Winchurch RA, et al. **Cell Immunol** 1982 Mar 1;67(2):384–9

Acute pulmonary hypertension and lung thromboxane release after endotoxin infusion in normal and leukopenic sheep. Hüttemeier PC, et al. **Circ Res** 1982 May;50(5):688–94

Exdotoxin-induced metabolic changes in the conscious, unrestrained rat: hypoglycemia and elevated blood lactate concentrations without hyperinsulinemia. Adeleye GA, et al. **Circ Shock** 1981;8(5):543–50

The effect of endotoxin on microcirculatory and lymphatic dynamics in the rat (Shwartzman phenomenon). Goto Y, et al. **Circ Shock** 1981;8(5):533–42

Glucose turnover five hours following endotoxin administration to normal and diabetic rats. Kelleher DL, et al. **Circ Shock** 1982;9(1):47–53

Early cellular responses in vitro to endotoxin administration. Kilpatrich-Smith L, et al. **Circ Shock** 1981;8(5):585–600

Effect of endotoxin and glucocorticoid pretreatment on hexose monophosphate shunt activity in rat liver. Kuttner RE, et al. **Circ Shock** 1982;9(1):37–45

Effect of E coli endotoxin on the leakage of 14C-sucrose from phosphatidylcholine liposomes. Onji T, et al. **Circ Shock** 1981;8(4):403–10

Hemodynamic consequences of endotoxemia in sheep. Traber DL, et al. **Circ Shock** 1981;8(5):551–61

Insulin-like action of endotoxin: antagonism by steroidal and nonsteroidal anti-inflammatory agents. Witek-Janusek L, et al. **Circ Shock** 1981;8(5):573–83

Measurement of hypozincaemia in mice: a sensitive test for detection of pyrogens. Boobis S, et al. **Clin Sci** 1981 Oct; 61(4):445–9

Contribution of complement activation to the rise in blood levels of 6-oxo-prostaglandin F1 alpha during endotoxin-induced hypotension in rabbits. Rampart M, et al. **Eur J Pharmacol** 1982 Apr 8;79(1-2):91–9

Endotoxin-induced degranulation of the Limulus amebocyte. Armstrong PB, et al. **Exp Cell Res** 1982 Jul;140(1):15–24

The effects of lipopolysaccharide, BCG-immune T lymphocytes, and lymphokines on generations of tumoricidal pulmonary macrophages in Syrian hamster. Panke ES, et al. **Exp Lung Res** 1982 Feb;3(1):81–90

Effect of endotoxin on granulation tissue formation in rats. Kanta J, et al. **Exp Pathol** 1981;20(4):230–2

Endotoxin inhibits the fluoride-stimulated adenylate cyclase activity of rat liver membranes enriched with bile canaliculi. Utili R, et al. **Experientia** 1982 Jul 15;38(7):831–3

Immunopotentiation of tumor-bearing and toxohormone treated mice by human ceruloplasmin. Itoh O, et al. **Gan** 1981 Oct;72(5):673–8

Endotoxin, reticuloendothelial function, and liver injury. Nolan JP. **Hepatology** 1981 Sep-Oct;1(5):458–65 (79 ref.)

Polymyxin B suppresses the endotoxin inhibition of concanavalin a-mediated erythrocyte agglutination. Warren JR. **Infect Immun** 1982 Feb;35(2):594–9

Metastasis and the reticuloendothelial system. II. Effect of triamcinolone acetonide on organ retention of malignant cells in endotoxin-treated mice. Glaves D, et al. **Int J Cancer** 1981;27(4):475–9

Tumoricidal activity of macrophages isolated from human ascitic and solid ovarian carcinomas: augmentation by interferon, lymphokines and endotoxin. Peri G, et al. **Int J Cancer** 1981 Aug 15;28(2):143–52

Influence of adrenoceptor blockade on endotoxin-induced histopathological changes in murine Meth A sarcoma. Kuper CF, et al. **Int J Immunopharmacol** 1982;4(1):49–55

Mononuclear cells in the corneal response to endotoxin. Howes EL, et al. **Invest Ophthalmol Vis Sci** 1982 Apr; 22(4):494–501

Endotoxin reverses the decreased tolerance of rats to greater than 95% O2 after preexposure to lower O2. Frank L. **J Appl Physiol** 1981 Sep;51(3):577–83

Renal and cutaneous vasomotor and respiratory rate adjustments to peripheral cold and warm stimuli and to bacterial endotoxin in conscious rabbits. Riedel W, et al. **J Auton Nerv Syst** 1982 Mar;5(2):177–94

The effect of bacterial endotoxin on synthesis of (Cu,Zn)superoxide dismutase in lungs of oxygen-exposed rats. Hass MA, et al. **J Biol Chem** 1982 Aug 25; 257(16):9379–83

Changes in high density lipoprotein content following endotoxin administration in the mouse. Formation of serum amyloid protein-rich subfractions. Hoffman JS, et al. **J Biol Chem** 1982 Sep 10;257(17):10510–7

Sources and biology of regulatory factors active on mouse myeloid leukemic cells. Metcalf D. **J Cell Physiol** 1982; Suppl 1:175–83

Prevention by granulocyte depletion of increased vascular permeability of sheep lung following endotoxemia. Heflin AC Jr, et al. **J Clin Invest** 1981 Nov;68(5):1253–60

Endotoxin induced migration of leukocytes from blood to milk. McKenzie WN Jr, et al. **J Dairy Sci** 1981 Feb; 64(2):227–35

Endotoxin dose-related leukocytosis in milk of guinea pigs. McKenzie WN Jr, et al. **J Dairy Sci** 1981 Nov; 64(11):2234–9

Root canal-simulating experimental model for evaluation of tissue responses to chronic influx of foreign fluid substances. Wesselink PR, et al. **J Dent Res** 1982 Jan; 61(1):44–8

Studies of endotoxin-induced decrease in lipoprotein lipase activity. Kawakami M, et al. **J Exp Med** 1981 Sep 1; 154(3):631–9

Demonstration of a circulating suppressor factor of thymocyte proliferation during endotoxin fever in humans. Dinarello CA, et al. **J Immunol** 1981 Dec;127(6):2517–9

Endotoxin (LPS) stimulates in vitro migration of macrophages from LPS-resistant mice but not from LPS-sensitive mice. Verghese MW, et al. **J Immunol** 1982 Feb;128(2):608–13

Modulation of Ia-like antigen expression and antigen-presenting activity of human monocytes by endotoxin and zymosan A. Yem AW, et al. **J Immunol** 1981 Dec;127(6):2245–51

Synthesis of collagenolytic enzymes and their inhibitors by gingival tissue in vitro. Effect of endotoxin. Pettigrew DW, et al. **J Periodont Res** 1981 Nov;16(6):637–45

Enhancement of cell attachment of a substrate coated with oral bacterial endotoxin by plasma fibronectin. Porvaznik M, et al. **J Periodont Res** 1982 Mar;17(2):154–68

Effects of endotoxin on murine erythropoiesis in vitro: role of marrow adherent cells. Anagnostou A, et al. **J Reticuloendothel Soc** 1982 Feb;31(2):145–54

Thromboxane A2 and prostacyclin production by lipopolysaccharide-stimulated peritoneal macrophages. Cook JA, et al. **J Reticuloendothel Soc** 1981 Nov; 30(5):445–50

Calcium overload in endotoxemia. Hülsmann WC, et al. **Life Sci** 1981 Sep 7;29(10):1009–14

Induction of interferon by bacterial endotoxin. Nagano Y, et al. **Methods Enzymol** 1981;78(Pt A):258–61

An endotoxin-induced serum factor that depresses hepatic delta-aminolevulinic acid synthetase activity and cytochrome P-450 levels in mice. Egawa K, et al. **Microbiol Immunol** 1981;25(10):1091–6

In vitro effect of endotoxin from Shigella sonnei. phase I on human blood platelets and mononuclear leucocytes: comparison of 'free endotoxin' with cell-extracted preparations. Miragliotta G, et al. **Microbiologica** 1982 Jan; 5(1):35–42

Liver calcium and endotoxin action. Fritz MM, et al. **Naturwissenschaften** 1982 Mar;69(3):147–9

Effects of endotoxin tolerance on the hemodynamic changes associated with glycerol administration. Andrews C, et al. **Nephron** 1981;28(3):141–4

Rectal temperature and blood chemical responses of young chickens given E. coli endotoxin. Jones CA, et al. **Poult Sci** 1981 Oct;60(10):2189–94

Lipoprotein lipase suppression in 3T3-L1 cells by an endotoxin-induced mediator from exudate cells. Kawakami M, et al. **Proc Natl Acad Sci USA** 1982 Feb;79(3):912–6

Decreased myocardial extracellular and muscle lipoprotein lipase activities in endotoxin-treated rats. Bagby GJ, et al. **Proc Soc Exp Biol Med** 1981 Dec;168(3):395–8

Endotoxin interaction with canine platelets fails to stimulate thromboxane production. Harris RH, et al. **Proc Soc Exp Biol Med** 1982 Mar;169(3):397–400

Pathophysiological effects of endotoxins at the cellular level. Based on proceedings of a symposium sponsored by the Office of Naval Research. **Prog Clin Biol Res** 1981;62:1–189

Direct action of bacterial endotoxin on cells, mitochondria, and lysosomes. Bradley SG. **Prog Clin Biol Res** 1981; 62:3–14

Comparison of the in vitro and in vivo effects of gram-negative endotoxin on cardiac sarcoplasmic reticulum and myofibrillar function. Krause SM, et al. **Prog Clin Biol Res** 1981;62:23–32

Influence of Escherichia coli endotoxin on palmitate, glucose, and lactate utilization by isolated dog heart myocytes. Liu MS, et al. **Prog Clin Biol Res** 1981;62:115–21

Hepatocyte-Kupffer cell interactions in the inhibition of hepatic gluconeogenesis by bacterial endotoxin. McCallum RE. **Prog Clin Biol Res** 1981;62:99–113

Direct and indirect effects of endotoxin on mitochondrial function. Mela L. **Prog Clin Biol Res** 1981;62:15–21

Endotoxin-initiated membrane changes in rabbit platelets. Morrison DC, et al. **Prog Clin Biol Res** 1981;62:47–64

Actions of endotoxins on excitation-secretion coupling at the neural membrane. Person RJ. **Prog Clin Biol Res** 1981; 62:65–79

Some effects of Escherichia coli endotoxin on cells in culture. Silver IA. **Prog Clin Biol Res** 1981;62:81–95

Metabolic and endocrine alterations induced by endotoxin and sepsis at the cellular level. Spitzer JA, et al. **Prog Clin Biol Res** 1981;62:123–30

In vitro interactions of endotoxin, chromatin, DNA, and steroid hormone receptors. Tavakoli H, et al. **Prog Clin Biol Res** 1981;62:33–43

Possible contribution of platelets to the pathophysiology of host responses of endotoxin. Walker RI, et al. **Prog Clin Biol Res** 1981;62:173–85

Influence of bacterial endotoxins on neutrophilic leukocytes: lack of a correlation between in vivo and in vitro responses. Wilson ME, et al. **Prog Clin Biol Res** 1981;62:157–72

Release of prostaglandins by small intestinal tissue of man and rat in vitro and the effect of endotoxin in the rat in vivo. Peskar BM, et al. **Prostaglandins** 1981;21 Suppl:9–14

Effects of cyclooxygenase inhibitors on pulmonary vascular responses to endotoxin in unanesthetized sheep. Ogletree ML, et al. **Prostaglandins Leukotrienes Med** 1982 May; 8(5):489–502

Endotoxin-stimulated opioid peptide secretion: two secretory pools and feedback control in vivo. Carr DB, et al. **Science** 1982 Aug 27;217(4562):845–8

Effects of superoxide dismutase on lipopolysaccharide-stressed mice and alteration of lung enzyme levels by endotoxin. Gray B. **Toxicol Appl Pharmacol** 1981 Sep 30;60(3):479–84

Effects of endotoxin tolerance on hepatic excretory function: in vivo study. Boelsterli UA, et al. **Toxicol Lett** 1982 May; 11(3-4):207–12

[Peritoneal fluid colony stimulating activity (CSA) release after Escherichia coli endotoxin infection (author's transl)] Nafziger J, et al. **Ann Pharm Fr** 1981;39(5):429–34 (Eng. Abstr.) **(Fre)**

[Decrease of the hypertensive responses to phenylephrine in the rat submitted to a sublethal dose of E. coli endotoxin. Restoration by indomethacin (author's transl)] Auclair MC, et al. **J Pharmacol** 1982 Apr-Jun;13(2):341–51 (Eng. Abstr.) **(Fre)**

[Immediate larvicidal activity and residual action of the endotoxin of the serotype H-14 of Bacillus thuringiensis in 2 mosquito biotopes on the French Mediterranean coast] Sinègre G, et al. **Parassitologia** 1980 Jan-Aug; 22(1-2):213–21 (Eng. Abstr.) **(Fre)**

[Activity of the serotype H-14 of Bacillus thuringiensis against the principal species of anthropophilic mosquitoes of the French Mediterranean coast] Sinègre G, et al. **Parassitologia** 1980 Jan-Aug;22(1-2):223–31 **(Fre)**

[Endotoxin effect on intravascular volume and kidney function in an acute experiment in the rat] Wunderlich P, et al. **Schweiz Med Wochenschr** 1981 Dec 5;111(49):1912–5 (Eng. Abstr.) **(Ger)**

[Effect of pretreatment with bacterial endotoxin on sodium taurolithocholic acid-induced cholestasis] Adinolfi LE, et al. **Boll Soc Ital Biol Sper** 1982 Apr 30;58(8):509–12 **(Ita)**

[Safety of the use of the serotype H-14 of Bacillus thuringiensis for the non-target fauna of the mosquito breeding places of the French Mediterranean coast] Sinègre G, et al. **Parassitologia** 1980 Jan-Aug;22(1-2):205–11 (Eng. Abstr.) **(Ita)**

[Morphological study of the effect of cholera toxin on germ-free animals] Isupov IV, et al. **Arkh Patol** 1981; 43(5):36–41 (Eng. Abstr.) **(Rus)**

[Effect of Mycoplasma arthritidis on the recovery of erythropoiesis in mice treated with 5-fluorouracil] Sanin AV, et al. **Biull Eksp Biol Med** 1982 Mar;93(3):72–4 (Eng. Abstr.) **(Rus)**

[General adaptability of the progeny of irradiated animals. 3- Resistance of mice to radiation, hypoxia, effect of endotoxin, physical exertion] Vorobtsova IE, et al. **Radiobiologia** 1982 Mar-Apr;22(2):261–4 (Eng. Abstr.) **(Rus)**

[The activity of the reticuloendothelial system after irradiation and the effect of endotoxin - a contribution to the etiopathogenesis of the radiation syndrome] Sedláček I, et al. **Sb Ved Pr Lek Fak Univ Karlovy** 1981;24(1):5–66 (Eng. Abstr.) **(Rus)**

[Effect of typhoid endotoxin and its lipid component on the lipid concentration of myocardial tissue of mice] Muzhichenko AV, et al. **Vopr Med Khim** 1982 Mar-Apr; 28(2):39–44 (Eng. Abstr.) **(Rus)**

[Participation of serotonin in realizing the biological action of bacterial endotoxins] Ivanov NR, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1981 Sep;(9):19–24 (43 ref.) **(Rus)**

PHYSIOLOGY

Role for endotoxin in the leukocyte infiltration accompanying Escherichia coli inflammation. Issekutz AC, et al. **Infect Immun** 1982 May;36(2):558–66

Pulmonary microvascular permeability following E. coli endotoxin and hemorrhage. Kinnebrew PS, et al. **J Appl Physiol** 1982 Feb;52(2):403–9

Bacterial endotoxins: chemical structure, biological activity

and role in septicaemia. Rietschel ET, et al. **Scand J Infect Dis [Suppl]** 1982;31:8–21 (72 ref.)

POISONING

Microwave radiation (2450-MHz) potentiates the lethal effect of endotoxin in mice. Riddle MM, et al. **Health Phys** 1982 Mar;42(3):335–40

Effect of alpha-Tocopherol on endotoxicosis. Sakaguchi O, et al. **Microbiol Immunol** 1981;25(8):787–99

[Total and neutral lipid content in mouse myocardial tissue as affected by typhoid endotoxin] Muzhuchenko AV, et al. **Vopr Med Khim** 1981 Sep–Oct;27(5):650–4 (Eng. Abstr.) **(Rus)**

RADIATION EFFECTS

[Effect of pretreatment with radiation-detoxified endotoxin on endotoxin shock in dogs] Balogh A, et al. **Acta Chir Acad Sci Hung** 1981;22(1–2):23–9 (Eng. Abstr.) **(Ger)**

STANDARDS

Properties of reference Escherichia coli endotoxin and its phthalylated derivative in humans. Elin RJ, et al. **J Infect Dis** 1981 Oct;144(4):329–36

Endotoxin reference standard [letter] Outschoorn AS. **Lancet** 1982 Apr 3;1(8275):803

TOXICITY

Deslanoside and ouabain inhibition of endotoxin-induced microclots [letter] Juhlin L, et al. **Acta Pharmacol Toxicol (Copenh)** 1981 Sep;49(3):236–8

Endotoxin-induced hemodynamic changes in ponies: effects of flunixin meglumine. Bottoms GD, et al. **Am J Vet Res** 1981 Sep;42(9):1514–8

Effects of continuous intravenous infusion of Escherichia coli endotoxin into swine. Kurtz HJ, et al. **Am J Vet Res** 1982 Feb;43(2):262–8

Polymyxin B sulphate protects cats against the haemodynamic and metabolic effects of E. coli endotoxin. Hughes B, et al. **Br J Pharmacol** 1981 Nov;74(3):701–7

Variation in toxicity of Escherichia coli endotoxin after treatment with perfluorated blood substitutes in mice. Lutz J, et al. **Circ Shock** 1982;9(2):99–106

Pulmonary microvascular injury from lipoxygenase infusion: comparison with endotoxemia. Smith M, et al. **Circ Shock** 1981;8(6):647–56

Effect of nitroprusside on pulmonary hypertension and lung fluid balance after E. coli endotoxin. Foulke GE, et al. **Crit Care Med** 1982 Jul;10(7):427–31

Further studies on inhaled endotoxin-containing bacteria. Burrell R, et al. **Environ Res** 1982 Apr;27(2):325–36

Effect of endotoxins on rabbit lens. Angra SK, et al. **Indian J Ophthalmol** 1981 Jul;29(2):91–6

Equine endotoxemia: an insight into cause and treatment. Moore JN, et al. **J Am Vet Med Assoc** 1981 Sep 1; 179(5):473–7 (21 ref.)

Assay in mice for minute amounts of endotoxin by pre-administration of lead acetate. Fujiwara H, et al. **Jpn J Med Sci Biol** 1982 Apr;35(2):41–51

Toxic bacterial dusts associated with plants. Salkinoja-Salonen MS, et al. **Soc Appl Bacteriol Symp Ser** 1982;(10):219–33 (37 ref.)

Plasma attenuation of endotoxin toxicity in irradiated and tumor-bearing mice. Walker RI, et al. **Toxicon** 1981; 19(6):857–61

Correlation between susceptibility to malaria and babesia parasites and to endotoxicity. Clark IA. **Trans R Soc Trop Med Hyg** 1982;76(1):4–7

Zinc concentration in plasma during experimental Salmonella dublin infection and endotoxin induced fever in calves. Groothuis DG, et al. **Vet Rec** 1981 Aug 29;109(9):176–7

[Mechanism of glycogen depletion in the liver in endotoxin-treated rats] Ivanov V. **Vet Med Nauki** 1981; 18(8):6–11 (Eng. Abstr.) **(Bul)**

[Endotoxin-like activity in Capnocytophaga gingivalis] Fumarola D, et al. **Minerva Stomatol** 1981 Nov–Dec; 30(6):475–7 (Eng. Abstr.) **(Ita)**

[Abortifacient action of endotoxin on pregnant rats and its inhibitory action on placental mitochondrial Mg++-ATPase (author's transl)] Ema M, et al. **Eisei Shikenjo Hokoku** 1981;99:68–73 (Eng. Abstr.) **(Jpn)**

[Changes in the nephron and neuroendocrine apparatus of the kidneys following the administration of Salmonella endotoxin] Pal'tsev MA, et al. **Biull Eksp Biol Med** 1982 Apr;93(4):103–5 (Eng. Abstr.) **(Rus)**

ENDOWMENTS see **FINANCIAL MANAGEMENT**

ENDRIN

Reductive degradation of dieldrin and endrin in the field using acidified zinc. Butler LC, et al. **J Environ Sci Health [B]** 1981;B16(4):395–408

ANALYSIS

[Studies on analysis of pesticide residues in foods (XXXI). Determination of dieldrin and endrin residues in sea mussel in the Seto Inland Sea and confirmation of dieldrin by gas chromatography-mass spectrometry with computer (author's transl)] Sekita H, et al. **Eisei Shikenjo Hokoku** 1981;99:41–6 (Eng. Abstr.) **(Jpn)**

TOXICITY

Acute toxicities of toxaphene and endrin to larvae of seven species of amphibians. Hall RJ, et al. **Toxicol Lett** 1981 Aug;8(6):331–6

Perinatal toxicity of endrin in rodents. III. Alterations of behavioral ontogeny. Gray LE Jr, et al. **Toxicology** 1981; 21(3):187–202

Perinatal toxicity of endrin in rodents. II. Fetotoxic effects of prenatal exposure in rats and mice. Kavlock RJ, et al. **Toxicology** 1981;21(2):141–50

ENEMA

The psyllium colloid contrast enema--a method for evaluating anal sphincteric continence. Bunt TJ, et al. **Am J Proctol Gastroenterol Colon Rectal Surg** 1982 Feb; 33(2):30, 32

A randomised trial to investigate X-prep, oral mannitol and colonic washout for double-contrast barium enema. Lee JR, et al. **Clin Radiol** 1981 Sep;32(5):591–4

Whole-gut irrigation versus enema in elective colorectal surgery: a prospective, randomized study. Christensen PB, et al. **Dis Colon Rectum** 1981 Nov–Dec;24(8):592–5

Barium enema versus colonoscopy [editorial] Miller RE. **Gastrointest Endosc** 1982 Feb;28(1):40–1

The successful management of chronic constipation in infants and children. Sarahan T, et al. **J Pediatr Surg** 1982 Apr; 17(2):171–4

5-Aminosalicylic acid enemas [letter] **Lancet** 1982 Jan 9; 1(8263):102

Beclomethasone dipropionate enemas for treating inflammatory bowel disease without producing Cushing's syndrome or hypothalamic pituitary adrenal suppression. Kumana CR, et al. **Lancet** 1982 Mar 13;1(8272):579–83

A colostomy device for barium enema examinations. Pochaczevsky R. **Radiology** 1982 May;143(2):565

The double contrast barium enema: why bother? Young J. **South Med J** 1982 Jan;75(1):46–55

[Study of the large intestine with double contrast enema] Bonfatti A, et al. **Radiol Med (Torino)** 1982 Jan–Feb; 68(1–2):17–23 **(Ita)**

ADVERSE EFFECTS

Perforation of the intussuscepted colon. Humphry A, et al. **AJR** 1981 Dec;137(6):1135–8

Preoperative shock secondary to severe hypokalemia and hypocalcemia from recreational enemas. Simodynes E. **Anesth Analg (Cleve)** 1981 Oct;60(10):762–3

Radiological manifestations of ritual-enema-induced colitis. Segal I, et al. **Clin Radiol** 1981 Nov;32(6):657–62

Iatrogenic perforation of the colon and rectum. Nelson RL, et al. **Dis Colon Rectum** 1982 May-Jun;25(4):305–8

Perforation of the sigmoid colon during barium enema examination. A case report with massive intraperitoneal barium leak. Shukla RB, et al. **Ir J Med Sci** 1981 Jul; 150(7):223–4

Hydrogen peroxide colitis: a report of three patients. Meyer CT, et al. **J Clin Gastroenterol** 1981 Mar;3(1):31–5

Massive extraperitoneal air in a 71-year-old woman. Occurrence during a radiological study. Walker HC Jr, et al. **JAMA** 1982 Sep 17;248(11):1375–6

Case for diagnosis. Rectal bleeding. Johnson FB. **Milit Med** 1981 Oct;146(10):723, 732

Arterial obstruction as a complication of barium enema examination. Boevé J. **Neth J Surg** 1981 Aug;33(3):127–30

Barium appendicitis. Sisley JF, et al. **South Med J** 1982 Apr; 75(4):498–9

Pneumoperitoneum secondary to pneumocolon examination. Winfield AC. **South Med J** 1982 Apr;75(4):484–6

[Perforations of the colon and rectum during administration of barium enema. Six cases report (author's transl)] Babeau P, et al. **Sem Hop Paris** 1981 Nov 8–25;57(41–42):1691–6 (Eng. Abstr.) **(Fre)**

[Circulatory changes during barium enema examination (author's transl)] Nomoto H. **Nippon Ika Daigaku Zasshi** 1981 Feb;48(1):69–79 (Eng. Abstr.) **(Jpn)**

METHODS

Technical factors for a more rapid enteroclysis. Maglinte DD, et al. **AJR** 1982 Mar;138(3):588–91

Routine colonic lavage is unnecessary for double-contrast barium enema in outpatients. De Lacey G, et al. **Br Med J [Clin Res]** 1982 Apr 3;284(6321):1021–2

Oral mannitol as a preparation for double contrast barium enema. Foord KD. **Clin Radiol** 1982 Jul;33(4):467–9

Left-sided colonoscopy in screening programs. What preparation? Pugliese V, et al. **Endoscopy** 1982 May; 14(3):85–8

Colon preparation for the barium enema: a guide for the radiologist. Irwin JP, et al. **Gastrointest Radiol** 1982; 7(1):75–8

Evaluation of double contrast barium enemas performed by radiographic technologists. Somers S, et al. **J Can Assoc Radiol** 1981 Dec;32(4):227–8

[Double-contrast barium enema] Ecoiffier J, et al. **Bull Acad Natl Med (Paris)** 1981 Oct;165(7):949–53 (Eng. Abstr.) **(Fre)**

[Intussusception. 188 treated patients during 22 years (author's transl)] Ducharme JC, et al. **Chir Pediatr** 1982 Jan–Feb;23(1):23–7 (Eng. Abstr.) **(Fre)**

[Conventional large intestine preparation with laxatives and enemas] Aeberhard P. **Helv Chir Acta** 1982 Feb; 48(6):759–65 (Eng. Abstr.) **(Ger)**

[Anastomoses control before colostomy closure: barium enema versus endoscopy] Schneider K, et al. **Helv Chir Acta** 1982 Feb;48(6):839–43 (Eng. Abstr.) **(Ger)**

[Preparation of patients in diagnostic contrast radiography of the urinary and bile tracts and the large intestine] Albanese A, et al. **Minerva Med** 1981 Oct 20; 72(40):2689–700 (Eng. Abstr.) **(Ita)**

UTILIZATION

Procedures of unproved value. Burkitt DP. **JAMA** 1982 Mar 5;247(9):1278

ENERGY EXPENDITURE see **ENERGY METABOLISM**

ENERGY-GENERATING RESOURCES

see related
POWER PLANTS
POWER SOURCES

World health, population, sanitation and resources: part 2. Humphries SV. **Cent Afr J Med** 1981 Aug;27(8):164–5

Food dehydration by solar energy. Bolin HR, et al. **CRC Crit Rev Food Sci Nutr** 1982;16(4):327–54 (34 ref.)

New trends in research and utilization of solar energy through biological systems. **Experientia [Suppl]** 1982; 43:1–156

The ocean as a supplier of food and energy. Wilcox HA. **Experientia [Suppl]** 1982;43:37–41

Radon in houses utilizing stone magazines for heat accumulation. Stranden E. **Health Phys** 1981 Jul; 41(1):29–33

Energy costs of food and nutrition systems. Pimentel D, et al. **Prog Clin Biol Res** 1981;77:1005–17

The production of heat and energy from waste. Silvester DC. **R Soc Health J** 1982 Apr;102(2):87–91

[Technical aspects of risks connected with energy production] Jaumotte AL. **Arch Belg Med Soc** 1980 Nov–Dec;38(9–10):568–85 **(Fre)**

[Health, pollution and energy problems in Belgium] Lafontaine A. **Arch Belg Med Soc** 1980 Nov–Dec; 38(9–10):602–16 **(Fre)**

[Energy and health. The concept of risk and its evaluation] Levy E, et al. **Arch Belg Med Soc** 1980 Nov–Dec; 38(9–10):560–7 **(Fre)**

[Basic examination on the energization of experimental animal feces by methane fermentation (author's transl)] Kamata S, et al. **Jikken Dobutsu** 1981 Oct;30(4):445–50 (Eng. Abstr.) **(Jpn)**

[Energy and health. Symposium] **Arch Belg Med Soc** 1980 Nov–Dec;38(9–10):554–636 **(Mul)**

ECONOMICS

[Social costs of energy] Desayere W. **Arch Belg Med Soc** 1980 Nov–Dec;38(9–10):617–25 **(Dut)**

UTILIZATION

Energy use and the United States food chain. Chichester CO, et al. **Prog Clin Biol Res** 1981;67:437–47

ENERGY METABOLISM

Energy and heat production of human erythrocytes in different media. de Verdier CH. **Acta Biol Med Ger** 1981; 40(4–5):699–702

Participation of inorganic phosphate in the chemiosmotic mechanism of mitochondrial energy transduction. Fonyó A, et al. **Acta Biol Med Ger** 1981;40(7–8):907–14

Control mechanisms of energy-dependent metabolic pathways in hepatocytes. Tager JM, et al. **Acta Biol Med Ger** 1981;40(7–8):895–906 (34 ref.)

Energy, fat and nitrogen balance in healthy newborn infants during the first week after birth. Meurling S, et al. **Acta Chir Scand** 1981;147(6):487–95

Kinetics of energy substrates. Elwyn DH, et al. **Acta Chir Scand [Suppl]** 1981;507:209–19

Sir David Cuthbertson Lecture. Protein and energy metabolism after trauma: old concepts and new developments. James WP. **Acta Chir Scand [Suppl]** 1981; 507:1–20

Energy metabolism in the reversible and irreversible phases of severe myocardial ischemia. Reimer KA, et al. **Acta Med Scand [Suppl]** 1981;651:19–27

Energy metabolism, substrate utilization, metabolite and hormone levels in infants fed various parenteral solutions. Rubecz I. **Acta Paediatr Acad Sci Hung** 1982;23(1):59–68

Energy cost of growth of premature infants. Whyte RK, et al. **Acta Paediatr Acad Sci Hung** 1982;23(1):85–98

Effect of feeding an infant formula with high energy density on gastric emptying in infants with congenital heart disease. Cavell B. **Acta Paediatr Scand** 1981 Jul;70(4):513–6

Effects of protein quality and protein-energy relation on the specific dynamic action of food in rats. Jeszka J, et al. **Acta Physiol Pol** 1981 Sep–Oct;32(5):603–10

Oxygen dependence and energy turnover in normal and

hypertrophic rat portal vein. Arner A, et al. **Acta Physiol Scand** 1981;113(3):341–8

Impairment of cerebral serotonin and energy metabolism during ischemia: relevance to migraine. Welch KM. **Adv Neurol** 1982;33:35–40

Circulatory isolation of the liver for studying energy metabolism in trauma and sepsis. Maksad AK, et al. **Adv Shock Res** 1980;4:41–7

Cardiocirculatory and myocardial energetic effects of prostaglandin E1 in severe left ventricular failure due to chronic coronary heart disease. Awan NA, et al. **Am Heart J** 1981 Oct;102(4):703–9

Refeeding after fasting in the rat: energy substrate fluxes and replenishment of energy stores. Björntorp P, et al. **Am J Clin Nutr** 1982 Sep;36(3):450–6

Conducting and reporting studies on human energy intake and output: suggested standards. Durnin JV, et al. **Am J Clin Nutr** 1982 Mar;35(3):624–6

Energy expenditure in prepubescent children: influence of sex and age. Freedson PS, et al. **Am J Clin Nutr** 1981 Sep; 34(9):1827–30

The energy expenditure of female carpet weavers and rural women in Iran. Geissler CA, et al. **Am J Clin Nutr** 1981 Dec;34(12):2776–83

Energy malabsorption: measurement and nutritional consequences. Heymsfield SB, et al. **Am J Clin Nutr** 1981 Sep;34(9):1954–60

Effects of low energy diets on work performance. Horton ES. **Am J Clin Nutr** 1982 May;35(5 Suppl):1228–33

Twenty-four-hour energy expenditure and resting metabolic rate in obese, moderately obese, and control subjects. Ravussin E, et al. **Am J Clin Nutr** 1982 Mar;35(3):566–73

Autoregulatory homestatic nature of energy balance. Sukhatme PV, et al. **Am J Clin Nutr** 1982 Feb;35(2):355–65

Smoking and its effects on body weight and the systems of caloric regulation. Wack JT, et al. **Am J Clin Nutr** 1982 Feb;35(2):366–80 (153 ref.)

Energy expenditure and fat-free mass in men and women. Webb P. **Am J Clin Nutr** 1981 Sep;34(9):1816–26

Voluntary food intake during prolonged exercise in obese women. Woo R, et al. **Am J Clin Nutr** 1982 Sep; 36(3):478–84

Computer simulation of energy metabolism in acidotic cardiac ischemia. Achs MJ, et al. **Am J Physiol** 1982 May; 242(5):R533–44

Intramitochondrial adenine nucleotides and energy-linked functions of heart mitochondria. Asimakis GK, et al. **Am J Physiol** 1981 Nov;241(5):H672–8

Impaired energy metabolism in rat myocardium during phosphate depletion. Brautbar N, et al. **Am J Physiol** 1982 Jun;242(6):F699–704

Energy balance of rats with lateral hypothalamic lesions. Corbett SW, et al. **Am J Physiol** 1982 Apr;242(4):E273–9

Effects of glucose, pyruvate, lactate, and amino acids on muscle protein synthesis. Hedden MP, et al. **Am J Physiol** 1982 Mar;242(3):E184–92

Comparison of the 'mammal machine' and the 'reptile machine': energy use and thyroid activity. Hulbert AJ, et al. **Am J Physiol** 1981 Nov;241(5):R350–6

Body composition, energy expenditure, and plasma metabolites in long-term fasting geese. Le Maho Y, et al. **Am J Physiol** 1981 Nov;241(5):E342–54

Metabolic response of normal man and insulin-infused diabetics to postprandial exercise. Nelson JD, et al. **Am J Physiol** 1982 May;242(5):E309–16

Sympathetic and thyroid influences on metabolic rate in fed, fasted, and refed rats. Rothwell NJ, et al. **Am J Physiol** 1982 Sep;243(3):R339–46

Kinesiology. Part V: physiologic and biochemical relationships. Miller WE. **Am J Sports Med** 1982 May-Jun; 10(3):188–91

Effects of clinical and subclinical gastrointestinal helminthiasis on digestion and energy metabolism in calves. Randall RW, et al. **Am J Vet Res** 1981 Oct;42(10):1730–4

Energy regulation in hummingbirds. Hainsworth FR. **Am Sci** 1981 Jul-Aug;69(4):420–9

Energy metabolism in the lateral vestibular nucleus in pyrithiamin-induced thiamin deficiency. McCandless DW. **Ann NY Acad Sci** 1982;378:355–64

Caloric requirements in patients with inflammatory bowel disease. Barot LR, et al. **Ann Surg** 1982 Feb;195(2):214–8

A re-evaluation of energy expenditure during parenteral nutrition. Quebbeman EJ, et al. **Ann Surg** 1982 Mar; 195(3):282–6

Proton electrochemical gradients and energy-transduction processes. Ferguson SJ, et al. **Annu Rev Biochem** 1982; 51:185–217

Energetics of locomotion in endothermic insects. Heath JE, et al. **Annu Rev Physiol** 1982;44:133–43 (82 ref.)

Avian flight energetics. Rayner JM. **Annu Rev Physiol** 1982; 44:109–19 (59 ref.)

Energetics of locomotion in warm-bodied fish. Stevens ED, et al. **Annu Rev Physiol** 1982;44:121–31

Energetics and mechanics of terrestrial locomotion. Taylor CR, et al. **Annu Rev Physiol** 1982;44:97–107 (38 ref.)

Exercise bioenergetics following sprint training. Davies KJ, et al. **Arch Biochem Biophys** 1982 Apr 15;215(1):260–5

Energy cost and heart rate response to static and dynamic leg exercise. Danoff PL, et al. **Arch Phys Med Rehabil** 1982 Mar;63(3):130–4

Effects of relative metabolic rate and heart rate variation on the performance of flight attendants. Yoshioka T, et al. **Aviat Space Environ Med** 1982 Feb;53(2):127–32

Symposium on: comparative cytochemical and biochemical aspects of the subcellular structures involved in the energetic cell metabolism. **Basic Appl Histochem** 1982;26 Suppl:III–XVI

The influence of myocardial edema formation on the energy consumption of the heart during aerobiosis and hypoxia. Kahles H, et al. **Basic Res Cardiol** 1982 Mar-Apr; 77(2):158–69

Energy balance and hypothalamic self-stimulation. Atrens DM, et al. **Behav Brain Res** 1982 Jun;5(2):131–42

The Na+-K+-pump, energy metabolism, and obesity. Clausen T, et al. **Biochem Biophys Res Commun** 1982 Jan 29;104(2):357–62

Influence of hexose conditions on glutamine oxidation of SV-40-transformed and diploid fibroblast human cell lines. Kuchka M, et al. **Biochem Med** 1981 Dec;26(3):356–64

The postnatal development of brain metabolism. Clark JB, et al. **Biochem Soc Trans** 1981 Oct;9(5):372–3

Phosphorus-31 nuclear-magnetic-resonance studies on energy metabolism in intact mammalian tissue. Radda GK. **Biochem Soc Trans** 1981 Jun;9(3):213–4

Phosphorus-31 nuclear magnetic resonance studies of bioenergetics in wild-type and adenosinetriphosphatase(1-) Escherichia coli cells. Ugurbil K, et al. **Biochemistry** 1982 Mar 2;21(5):1068–75

Relationship between the energy cost of ATP transport and ATP synthesis in mitochondria. Duszyński J, et al. **Biochim Biophys Acta** 1981 Sep 14;637(2):217–23

Influence of different energy drains on the interrelationship between the rate of respiration, proton-motive force and adenine nucleotide patterns in isolated mitochondria. Küster U, et al. **Biochim Biophys Acta** 1981 Jun 12; 636(1):32–8

Energy metabolism of the newborn pig during the first 24 h or life. Noblet J, et al. **Biol Neonate** 1981;40(3–4):175–82

Acute metabolic response to cold exposure in unipolar and bipolar II patients. Caroff S, et al. **Biol Psychiatry** 1981 Oct;16(10):919–29

Regulation of carbohydrate metabolism in cultured mammalian cells: energy provision in a glycolytic mutant. Morgan MJ, et al. **Biosci Rep** 1981 Oct;1(10):811–7

Evolution of uphill electron transfer. Krasnovsky AA. **Biosystems** 1981;14(1):81–7

Changes in energy metabolism, structure and function in alveolar macrophages under anaerobic conditions. Butterick CJ, et al. **Br J Haematol** 1981 Aug;48(4):523–32

Influence of diet and microbial activity in the digestive tract on digestibility, and nitrogen and energy metabolism in rats and pigs. Eggum BO, et al. **Br J Nutr** 1982 Jul;48(1):161–75

The effects of physical exercise on metabolic rate and dietary-induced thermogenesis. Gleeson M, et al. **Br J Nutr** 1982 Mar;47(2):173–81

THe effects of the gut microflora and dietary fibre on energy utilization by the chick. Hegde SN, et al. **Br J Nutr** 1982 Jul;48(1):73–80

A study of the thermic responses to a meal and to a sympathomimetic drug (ephedrine) in relation to energy balance in man. Morgan JB, et al. **Br J Nutr** 1982 Jan; 47(1):21–32

Effects of feeding a palatable 'cafeteria' diet on energy balance in young and adult lean (+/?) Zucker rats. Rothwell NJ, et al. **Br J Nutr** 1982 May;47(3):461–71

Improvisation of a simple device in measuring the anaerobic power of Indian male and female athletes. Kansal DK, et al. **Br J Sports Med** 1981 Jun;15(2):136–40

Effect of tourniquet ischaemia on muscle energy metabolism in meniscectomy patients. Pääkkönen M, et al. **Br J Sports Med** 1981 Sep;15(3):167–71

Effects of maternal energy and protein intakes on the incidence of malformations and malpositions of the embryo and time of death during incubation. Pearson RA, et al. **Br Poult Sci** 1982 Jan;23(1):71–7

Energy and protein retention in holoxenic, axenic and gnotoxenic chickens monoassociated with Lactobacillus spp. Szylit O, et al. **Br Poult Sci** 1981 Jul;22(4):305–15

Changes in the hippocampal slices energy metabolism following stimulation and long-term potentiation of Schaffer collaterals-pyramidal cell synapses tested with the 2-deoxyglucose technique. Wieraszko A. **Brain Res** 1982 Apr 15;237(2):449–57

Studies on the meat production potential of the indigenous fowl of Nigeria: 1. The effect of dietary protein and energy on performance to broiler age. Oluyemi JA. **Bull Anim Health Prod Afr** 1981 Sep;29(3):219–23

Enzyme activities in skeletal muscle of 13–15 years old adolescents. Haralambie G. **Bull Eur Physiopathol Respir** 1982 Jan-Feb;18(1):65–74

Maltose as an energy substrate during surgery: comparison of maltose with glucose. Aono K, et al. **Can Anaesth Soc J** 1982 May;29(3):236–42

Daily energy expenditure of young boys as related to maximal aerobic power. Cunningham DA, et al. **Can J Appl Sport Sci** 1981 Dec;6(4):207–11

Peripheral factors as limitations to exercise capacity. Gollnick PD. **Can J Appl Sport Sci** 1982 Mar;7(1):14–21

The mechanical efficiency of wheelchair dependent women during wheelchair ergometry. Knowlton RG, et al. **Can J Appl Sport Sci** 1981 Dec;6(4):187–90

The effect of acute oral glucose administration on high intensity work in fasted rats. Reardon FD, et al. **Can J Appl Sport Sci** 1982 Mar;7(1):22–8

Resting and activity energy expenditure during total parenteral nutrition in rats with methylcholanthrene-induced sarcoma. Popp MB, et al. **Cancer** 1982 Mar 15;49(6):1212–20

Glycolytic and oxidative energy metabolism and contraction characteristics of intact human muscle. Hultman E, et al. **Ciba Found Symp** 1981;(82):19–40

The pathophysiology of inspiratory muscle fatigue. Macklem PT, et al. **Ciba Found Symp** 1981;(82):249–63

The autonomic nervous system and perinatal metabolism. Milner RD, et al. **Ciba Found Symp** 1980 Oct;(83):291–309

The glucose/fatty acid cycle and physical exhaustion. Newsholme EA. **Ciba Found Symp** 1981;(82):89–101

Energy metabolism and cellular pH in normal and pathological conditions. A new look through 31phosphorus nuclear magnetic resonance. Radda GK, et al. **Ciba Found Symp** 1982;87:36–57

Increased myothermal economy of isometric force generation in compensated cardiac hypertrophy induced by pulmonary artery constriction in the rabbit. A characterization of heat liberation in normal and hypertrophied right ventricular papillary muscles. Alpert NR, et al. **Circ Res** 1982 Apr; 50(4):491–500

Total ischemia in dog hearts, in vitro. 1. Comparison of high energy phosphate production, utilization, and depletion, and of adenine nucleotide catabolism in total ischemia in vitro vs. severe ischemia in vivo. Jennings RB, et al. **Circ Res** 1981 Oct;49(4):892–900

Energy cost of membrane depolarization in hog carotid artery. Peterson JW, et al. **Circ Res** 1982 Jun;50(6):839–47

Total ischemia in dog hearts, in vitro 2. High energy phosphate depletion and associated defects in energy metabolism, cell volume regulation, and sarcolemmal integrity. Reimer KA, et al. **Circ Res** 1981 Oct;49(4):901–11

Left ventricular energetics. Heat loss and temperature distribution of canine myocardium. ten Velden GH, et al. **Circ Res** 1982 Jan;50(1):63–73

Pathophysiology of hemorrhagic shock. II. Anoxic metabolism of the rat liver following acute blood loss in the rat. Ukikusa M, et al. **Circ Shock** 1981;8(4):483–90

Metabolic effects of total parenteral nutrition with or without fructose, with special reference to the liver adenine nucleotide content. Vinay P, et al. **Clin Invest Med** 1981; 4(2):87–96

Muscle citrate content and the regulation of metabolism in fed and fasted human skeletal muscle. Maughan RJ, et al. **Clin Physiol** 1982 Feb;2(1):21–7

Influence of abdominal surgical trauma upon some energy metabolites in the quadriceps muscle in man. Stjernström H, et al. **Clin Physiol** 1981 Jun;1(3):305–12

Substrate oxidation shortly after accidental injury in man. Little RA, et al. **Clin Sci** 1981 Dec;61(6):789–91

Reaction velocities in vivo: standardization of kinetic 'constants' by correction for blood flow. Coulson RA, et al. **Comp Biochem Physiol [A]** 1982;72(1):125–32

The energy costs of temperature regulation in birds: the influence of quick sinusoidal temperature fluctuations on the gaseous metabolism of the Japanese quail (Coturnix coturnix japonica). Prinzinger R. **Comp Biochem Physiol [A]** 1982;71(3):469–72

Energy metabolism in the erythrocytes of thoroughbred horses connected with perinatal physiological hemolysis. Medeiros LF, et al. **Comp Biochem Physiol [B]** 1982; 71(3):541–4

Influence of hypercaloric glucose infusions on fuel economy in surgical patients: a review. Robin AP, et al. **Crit Care Med** 1981 Sep;9(9):680–6 (58 ref.)

Energy cycles in health and disease. Racker E. **Curr Top Cell Regul** 1981;18:361–76

Phosphorylation-dephosphorylation cycles and the regulation of fuel selection in mammals. Randle PJ. **Curr Top Cell Regul** 1981;18:107–29

Effects of acute experimental diabetes on composite energy metabolism in peripheral nerve axons and Schwann cells. Greene DA, et al. **Diabetes** 1981 Nov;30(11):967–74

A physiological study of manual lifting of loads in Indians. Samanta A, et al. **Ergonomics** 1981 Jul;24(7):557–64

Physiological and metabolic effects of a 25 km race in female athletes. Haralambie G, et al. **Eur J Applied Physiol** 1981; 47(2):123–31

Enzyme activity patterns of energy metabolism in skiers of different performance levels (M. quadriceps femoris). Macková EV, et al. **Eur J Applied Physiol** 1982; 48(3):315–22

Differentiated perceptions of exertion and energy cost of young women while carrying loads. Robertson RJ, et al. **Eur J Applied Physiol** 1982;49(1):69–78

Effects of sleep deprivation on the activity of selected metabolic enzymes in skeletal muscle. Vondra K, et al. **Eur J Applied Physiol** 1981;47(1):41–6

Thermal and metabolic responses to heat exposure in obesity. Zahorska-Markiewicz B. **Eur J Applied Physiol** 1982; 48(3):379–85

Quantification of pathways of glucose utilization and balance of energy metabolism of rabbit reticulocytes. Siems W, et al. **Eur J Biochem** 1982 Jun;124(3):567–76

Dependence of anaphylactic histamine release from rat mast cells on cellular energy metabolism. Johansen T. **Eur J Pharmacol** 1981 Jul 10;72(4):281–6

Adult age trends in athletic performances. Stones MJ, et al. **Exp Aging Res** 1981 Fall;7(3):269–80

Changes in energy metabolism during the early development

of Xenopus laevis. Løvtrup-Rein H, et al. **Exp Cell Biol** 1982;50(3):162–8

The effect of age on body energy content of the annual cyprinodont fish, Nothobranchius guentheri. Balmer RT. **Exp Gerontol** 1982;17(2):139–43

Solubilization and reconstitution of membrane energy-transducing systems of Escherichia coli. Tsuchiya T, et al. **FEBS Lett** 1982 Jun 7;142(2):231–4

Heat, mechanics, and myosin ATPase in normal and hypertrophied heart muscle. Alpert NR, et al. **Fed Proc** 1982 Feb;41(2):192–8

Energetics of mammalian fast and slow twitch muscles. Barclay JK. **Fed Proc** 1982 Feb;41(2):189–91

Chemical Energetics of contraction in mammalian smooth muscle. Butler TM, et al. **Fed Proc** 1982 Feb;41(2):204–8

Myothermic, polarographic, and fluorometric data from mammalian muscles: correlations and an approach to a biochemical synthesis. Chapman JB, et al. **Fed Proc** 1982 Feb;41(2):176–84

Isolated while heart calorimetry: energetics of length-dependent activation. Coulson RL. **Fed Proc** 1982 Feb;41(2):199–203

Energy balance in frog skeletal muscle. Curtin NA, et al. **Fed Proc** 1982 Feb;41(2):161–2

Unexplained enthalpy production in contracting skeletal muscles. Homsher E, et al. **Fed Proc** 1982 Feb;41(2):149–54

Chemical energy balance in amphibian and mammalian muscles. Kushmerick MJ, et al. **Fed Proc** 1982 Feb; 41(2):163–8

Chemical energy balance in amphibian and mammalian skeletal muscles: introduction. Kushmerick MJ. **Fed Proc** 1982 Feb;41(2):147–8

Comparison of physical and biochemical energy balances: chemical breakdown, heat production, and oxygen consumption in frog sartorius muscle. Paul RJ. **Fed Proc** 1982 Feb;41(2):169–73

Energetics of Ca2+ cycling during skeletal muscle contraction. Rall JA. **Fed Proc** 1982 Feb;41(2):155–60

Energetic patterns of normally circulated mammalian muscle in situ. Stainsby WN. **Fed Proc** 1982 Feb;41(2):185–8

Stable isotope approaches for study of energy substrate metabolism. Wolfe RR. **Fed Proc** 1982 Aug;41(10):2692–7

Aspects of molecular bioenergetics, 43d meeting of the Gesellschaft für Biologische Chemie, Max Planck Institute, Dortmund, March 1st–2nd, 1982. **Hoppe Seylers Z Physiol Chem** 1982 Jun;363(6):535–50

Physiological reactions of female workers in Indian agricultural work. Nag PK, et al. **Hum Factors** 1981 Oct; 23(5):607–14

The response of protein and energy metabolism to food intake in lean and obese man. Clugston GA, et al. **Hum Nutr Clin Nutr** 1982;36C(1):57–70

Feeding frequency and energy balance in adult males. Dallosso HM, et al. **Hum Nutr Clin Nutr** 1982;36C(1):25–39

Prediction of energy requirements of obese patients after massive weight loss. Doré C, et al. **Hum Nutr Clin Nutr** 1982;36C(1):41–8

Portable accelerometer device for measuring human energy expenditure. Wong TC, et al. **IEEE Trans Biomed Eng** 1981 Jun;28(6):467–71

Energy expenditure in manual load carriage. Samanta A, et al. **Ind Health** 1981;19(3):145–54

Exercise performance and adaptive modifications in the thermoregulatory system. Brück K, et al. **Int J Biometeorol** 1980 Dec;24 Suppl 2:42–53

The relative influence of urban climates on outdoor human energy budgets and skin temperature. I. Modeling considerations. Burt JE, et al. **Int J Biometeorol** 1982 Mar; 26(1):3–23

The relative influence of urban climates on outdoor human energy budgets and skin temperature. II. Man in an urban environment. Burt JE, et al. **Int J Biometeorol** 1982 Mar; 26(1):25–35

A genetic approach to the role of energy metabolism in the growth of tumor cells: tumorigenicity of fibroblast mutants deficient either in glycolysis or in respiration. Franchi A, et al. **Int J Cancer** 1981 Jun 15;27(6):819–27

The effect of increasing the relative cost of palatable food with respect to ordinary food on total-energy intake of eight obese inpatients. Durrant ML, et al. **Int J Obes** 1982; 6(2):153–64

Spontaneous physical activity measured by radar in obese and control subject studied in a respiration chamber. Schutz Y, et al. **Int J Obes** 1982;6(1):23–8

Effects of training with eccentric muscle contractions on exercise performance, energy expenditure, and body temperature. Knuttgen HG, et al. **Int J Sports Med** 1982 Feb;3(1):13–7

Effects of treadmill running on oxidative capacity of regenerated skeletal muscle. Van Handel PJ, et al. **Int J Sports Med** 1981 May;2(2):92–6

Hyperglycemia and hyperinsulinemia in the sand rat (Psammomys obesus) with positive or negative energy balance. Adler JH. **Isr J Med Sci** 1982 Jan;18(1):187–91

Ammonia intoxication: energy metabolism and brain protein synthesis. Bessman SP, et al. **Isr J Med Sci** 1982 Jan; 18(1):171–5

Criteria of viability in isolated brain preparations. Fitzpatrick JH Jr, et al. **Isr J Med Sci** 1982 Jan;18(1):67–73

An individualization of dietary requirements for energy in adults. Cunningham JJ. **J Am Diet Assoc** 1982 Apr; 80(4):335–8

Development and critical evaluation of the food nomogram. Sowers MF, et al. **J Am Diet Assoc** 1981 Nov;79(5):536–42

The relationships between energy balance, milk production and ovulation in postpartum Holstein cows. Butler WR, et al. **J Anim Sci** 1981 Sep;53(3):742–8

Restricted energy intake and elevated calcium and phosphorus intake for gilts during growth. I. Feedlot performance and foot and leg measurements and scores during growth. Calabotta DF, et al. **J Anim Sci** 1982 Mar; 54(3):565–75

Effect of heat increment and level of dietary energy and environmental temperature on the performance of growing-finishing swine. Coffey MT, et al. **J Anim Sci** 1982 Jan;54(1):95–105

Intake energy, energy retention and heat production in lambs from birth to 24 weeks of age. Degen AA, et al. **J Anim Sci** 1982 Feb;54(2):353–62

Maternal energy status of beef cattle during single and twin pregnancy. Koong LJ, et al. **J Anim Sci** 1982 Mar; 54(3):480–4

Energy requirement for the mobilization of vacuolar arginine in Neurospora crassa. Drainas C, et al. **J Bacteriol** 1982 May;150(2):779–84

Energetics of vacuolar compartmentation of arginine in Neurospora crassa. Drainas C, et al. **J Bacteriol** 1982 May; 150(2):770–8

Prolactin receptors in cultured rat mammary tumor cells. Energy-dependent uptake and degradation of hormone receptors. Costlow ME, et al. **J Biol Chem** 1982 Aug 25; 257(16):9330–4

Myosin light chain phosphorylation is associated with a decrease in the energy cost for contraction in fast twitch mouse muscle. Crow MT, et al. **J Biol Chem** 1982 Mar 10;257(5):2121–4

A three dimensional multi-segmental analysis of the energetics of normal and pathological human gait. Mansour JM, et al. **J Biomech** 1982;15(1):51–9

Energy costs of walking in lower-extremity plaster casts. Waters RL, et al. **J Bone Joint Surg [Am]** 1982 Jul; 64(6):896–9

Mitochondria: a historical review. Ernster L, et al. **J Cell Biol** 1981 Dec;91(3 Pt 2):227s–255s (541 ref.)

Energy metabolism of dairy cattle. Moe PW. **J Dairy Sci** 1981 Jun;64(6):1120–39 (112 ref.)

Energetics and mechanics of terrestrial locomotion. II. Kinetic energy changes of the limbs and body as a function of speed and body size in birds and mammals. Fedak MA, et al. **J Exp Biol** 1982 Apr;97:23–40

Energetics and mechanics of terrestrial locomotion. IV. Total mechanical energy changes as a function of speed and body size in birds and mammals. Heglund NC, et al. **J Exp Biol** 1982 Apr;97:57–66

Energetics and mechanics of terrestrial locomotion. III. Energy changes of the centre of mass as a function of speed and body size in birds and mammals. Heglund NC, et al. **J Exp Biol** 1982 Apr;97:41–56

Energetics and mechanics of terrestrial locomotion. I. Metabolic energy consumption as a function of speed and body size in birds and mammals. Taylor CR, et al. **J Exp Biol** 1982 Apr;97:1–21

Energetic advantages of burst-and-coast swimming of fish at high speeds. Videler JJ, et al. **J Exp Biol** 1982 Apr; 97:169–78

Chemical energetics of slow- and fast-twitch muscles of the mouse. Crow MT, et al. **J Gen Physiol** 1982 Jan; 79(1):147–66

Aerobic and anaerobic threshold of Japanese male adults. Nemoto I, et al. **J Hum Ergol (Tokyo)** 1980 Dec;9(2):183–9

Characteristics of well-trained athletes in prolonged exercise from the viewpoint of aerobic power. Shibayama H, et al. **J Hum Ergol (Tokyo)** 1980 Sep;9(1):55–68

Effects of toeclip use on metabolic and cardiopulmonary responses to bicycle ergometer exercise. Wilde SW, et al. **J Hum Ergol (Tokyo)** 1980 Sep;9(1):47–54

Time course of active Na transport and oxidative metabolism following transepithelial potential perturbation in toad urinary bladder. Rosenthal SJ, et al. **J Membr Biol** 1981; 63(3):157–63

Effects of regional ischemia on metabolic function in adjacent aerobic myocardium. Liedtke AJ, et al. **J Mol Cell Cardiol** 1982 Apr;14(4):195–205

Importance of exogenous substrates for the energy production of adult rat heart myocytes. Montini J, et al. **J Mol Cell Cardiol** 1981 Oct;13(10):903–11

Energetic consequences of thyroid-modulated shifts in ventricular isomyosin distribution in the rat. Loiselle DS, et al. **J Muscle Res Cell Motil** 1982 Mar;3(1):5–23

Energy-metabolizing enzymes in brain regions of adult and aging rats. Leong SF, et al. **J Neurochem** 1981 Dec; 37(6):1548–56

Local and regional energy metabolism of the newborn brain. Experimental study. Grégoire N, et al. **J Neuroradiol** 1981; 8(2):109–23 **(Eng, Fre)**

Energy-requiring cell functions in the ischemic brain. Their critical supply and possible inhibition in protective therapy. Astrup J. **J Neurosurg** 1982 Apr;56(4):482–97 (132 ref.)

Effect of energy restriction on total heat production, basal metabolic rate, and specific dynamic action of food in rats. Forsum E, et al. **J Nutr** 1981 Oct;111(10):1691–7

Relationship of serum immunoreactive somatomedin-C to dietary protein and energy in growing rats. Prewitt TE, et al. **J Nutr** 1982 Jan;112(1):144–50

Effects of early overnutrition and undernutrition in rats on the metabolic responses to overnutrition in later life. Rothwell NJ, et al. **J Nutr** 1982 Mar;112(3):426–35

Effects of feeding a 'cafeteria' diet on energy balance and diet-induced thermogenesis in four strains of rat. Rothwell NJ, et al. **J Nutr** 1982 Aug;112(8):1515–24

Influence of postnatal age, energy intake, and weight gain on energy metabolism in the very low-birth-weight infant. Chessex P, et al. **J Pediatr** 1981 Nov;99(5):761–6

Energy balance in low-birth-weight infants [editorial] Weil WB Jr. **J Pediatr** 1981 Nov;99(5):737

Modification, by tractive loading, of the energy cost of walking in sheep, cattle and man. Boyne AW, et al. **J Physiol (Lond)** 1981 Jun;315:303–16

Effect of muscle length on energy balance in frog skeletal muscle. Curtin NA, et al. **J Physiol (Lond)** 1981 Jul; 316:453–68

High-energy phosphate metabolism and energy liberation associated with rapid shortening in frog skeletal muscle. Homsher E, et al. **J Physiol (Lond)** 1981 Dec;321:423–36

The dependence on extent of shortening of the extra energy liberated by rapidly shortening frog skeletal muscle. Irving M, et al. **J Physiol (Lond)** 1981 Dec;321:411–22

The energy liberation of frog skeletal muscle in tetanic contractions containing two periods of shortening. Irving M, et al. **J Physiol (Lond)** 1981 Dec;321:401–10

Changes in the metabolic cost of standardized work associated with the use of an oral contraceptive. McNeill AW, et al. **J Sports Med Phys Fitness** 1981 Sep; 21(3):238–44

Bacteremic shock: aspects of high-energy metabolism of rat liver following living Escherichia coli injection. Tanaka J, et al. **J Surg Res** 1982 Jul;33(1):49–57

Energy kinetics and role of nutrition in cancer patients. Krishnan L, et al. **J Theor Biol** 1981 Jul 21;91(2):303–20

Clinical use of pulse rates to determine daily energy expenditures in trauma and surgical patients. Dennis RS, et al. **JPEN** 1982 Mar-Apr;6(2):146–9

Net protein utilization during total parenteral nutrition of injured critically ill patients: an original approach. Iapichino G, et al. **JPEN** 1981;5(4):317–21

Assessing energy requirements of patients on respirators. McCamish MA, et al. **JPEN** 1981 Nov-Dec;5(6):513–6

Nomograms for predicting resting energy expenditure of hospitalized patients. Rainey-Macdonald CG, et al. **JPEN** 1982 Jan-Feb;6(1):5–60

Participation of coronary perfusion pressure in transmural energy metabolism in the hypoperfused canine heart. Higuchi M, et al. **Jpn Heart J** 1981 Nov;22(6):959–70

Activation energy in the mammalian brain slice as determined by oxygen micro-electrode measurements. Fujii T, et al. **Jpn J Physiol** 1981;31(2):279–83

Effects of hypothermia on energy metabolism of metabolically loaded liver. Ukikusa M, et al. **Jpn J Surg** 1981;11(5):359–66

Oxygen consumption, activity and body fat in normal and hairless mice. Donnelly HT. **Lab Anim** 1982 Apr; 16(2):167–71

Energy balance during pregnancy and lactation [letter] Adair L, et al. **Lancet** 1982 Jul 24;2(8291):219

Protein deficiency, energy deficiency, and the oedema of malnutrition. Golden MH. **Lancet** 1982 Jun 5; 1(8284):1261–5

Placental permeability and energy metabolism enzymes in fetuses of lipemic rats. Wapnir RA, et al. **Life Sci** 1982 Jun 28;30(26):2285–92

Energy metabolism of the brain. Kennedy C. **Mead Johnson Symp Perinat Dev Med** 1980;(17):30–42

Calorimeter ergometer for concentric and eccentric work. Snellen JW, et al. **Med Biol Eng Comput** 1981 May; 19(3):356–8

Influence of physical training on the fuel-hormone response to prolonged low intensity exercise. Koivisto V, et al. **Metabolism** 1982 Feb;31(2):192–7

Thermic effect of feeding in man: increased plasma norepinephrine levels following glucose but not protein or fat consumption. Welle S, et al. **Metabolism** 1981 Oct; 30(10):953–8

Microcalorimetry studies of energy changes during the growth of Klebsiella aerogenes in simple salts/glucose media. 3. The effect of growth temperature on energy conversion. Nichols SC, et al. **Microbios** 1981; 31(125–126):153–60

Modulation of the action of insulin in relation to the energy state in skeletal muscle tissue: possible involvement of kinins and prostaglandins. Dietze GJ. **Mol Cell Endocrinol** 1982 Feb;25(2):127–49 (203 ref.)

Energetics of isometric contraction in dystrophic fast and slow muscles. Nwoye LO, et al. **Muscle Nerve** 1982 Jan; 5(1):69–72

Effects of overfeeding on energy balance and brown fat thermogenesis in obese (ob/ob) mice. Trayhurn P, et al. **Nature** 1982 Jan 28;295(5847):323–5

[3H]2-deoxyglucose transport by slices of cerebral cortex: apparent dependence upon mitochondrial energy. Gold BI, et al. **Neurochem Res** 1981 Sep;6(9):949–58

Modifications in energy metabolism during the development of chick glial cells and neurons in culture. Tholey G, et al. **Neurochem Res** 1982 Jan;7(1):27–36

Ion transport and energy metabolism in brain. Crowe W, et al. **Neurol Res** 1981;3(2):107–23

Effects of lifting techniques on energy expenditure: a

preliminary investigation. Geden EA. **Nurs Res** 1982 Jul-Aug;31(4):214–8

A bioenergetic basis for peripheral nerve fiber dissociation. Fink BR, et al. **Pain** 1982 Apr;12(4):307–17

Energy cost and cardiopulmonary responses for wheelchair locomotion and walking on tile and on carpet. Glaser RM, et al. **Paraplegia** 1981;19(4):220–6

Aspects of helminth metabolism. Ward PF. **Parasitology** 1982 Feb;84(1):177–94 (62 ref.)

Utilization of intravenously administered glucose-oligosaccharides in growing miniature pigs. Andersen DW, et al. **Pediatr Res** 1982 Apr;16(4 Pt 1):304–9

Partition of energy metabolism and energy cost of growth in the very low-birth-weight infant. Reichman BL, et al. **Pediatrics** 1982 Apr;69(4):446–51

A constant temperature perfusion system for myocardial energetics. Niesler RA, et al. **Phys Med Biol** 1981 Nov; 26(6):1055–67

A flow microcalorimeter system for the measurement of dynamic energy variables of isolated perfused hearts. Niesler RA, et al. **Phys Med Biol** 1981 Nov;26(6):1069–85

Energy expenditure during ambulation with ortho crutches and axillary crutches. Hinton CA, et al. **Phys Ther** 1982 Jun;62(6):813–9

Clinical determination of energy cost and walking velocity via stopwatch or speedometer cane and conversion graphs. Nielsen DH, et al. **Phys Ther** 1982 May;62(5):591–6

A simple and inexpensive metabolic cage for mice. Engellenner WJ, et al. **Physiol Behav** 1982 Jan;28(1):177–9

Gender and energy balance: sex differences in adaptations for feast and famine. Hoyenga KB, et al. **Physiol Behav** 1982 Mar;28(3):545–63 (240 ref.)

Insensible weight loss as an indicator of metabolic rate. Schuster JA, et al. **Physiol Behav** 1982 Feb;28(2):381–4

The amino acid excretion values in intact and cecectomized negative control roosters used for determining metabolic plus endogenous urinary losses. Kessler JW, et al. **Poult Sci** 1981 Jul;60(7):1576–7

Influence of age and sex of growing broiler chicks and body weight of roosters on their endogenous and metabolic energy losses. Miski AM, et al. **Poult Sci** 1981 Apr; 60(4):781–5

An evaluation of the true metabolizable energy assay for monitoring the apparent metabolizable energy values of poultry diets. Muztar AJ, et al. **Poult Sci** 1981 Mar; 60(3):598–602

An evaluation of the nitrogen correction in the true metabolizable energy assay. Muztar AJ, et al. **Poult Sci** 1981 Apr;60(4):835–9

The effect of altering the cation-anion content with calcium and phosphorus on the digestion of dry matter and amino acids and on energy utilization. Nelson TS, et al. **Poult Sci** 1981 Apr;60(4):786–9

Metabolic plus endogenous energy and nitrogen losses of adult cockerels: the correction used in the bioassay for true metabolizable energy. Sibbald IR. **Poult Sci** 1981 Apr; 60(4):805–11

Influence of an indigestible material on energy excretion by roosters and on true metabolizable energy of corn. Tenesaca LG, et al. **Poult Sci** 1981 Mar;60(3):623–30

Universal energy principle of biological systems and the unity of bioenergetics. Green DE, et al. **Proc Natl Acad Sci USA** 1981 Sep;78(9):5344–7

Substrate binding affinity changes in mitochondrial energy-linked reactions. Hatefi Y, et al. **Proc Natl Acad Sci USA** 1982 Mar;79(6):1756–60

Regulation of energy balance: studies on genetic, hypothalamic and dietary obesity. Bray GA. **Proc Nutr Soc** 1982 Jun;41(2):95–108 (65 ref.)

Energy stores in man, their composition and measurement. Garrow JS. **Proc Nutr Soc** 1982 Jun;41(2):175–81 (26 ref.)

The part played by variation of energy expenditure in the regulation of energy balance. Hervey GR, et al. **Proc Nutr Soc** 1982 Jun;41(2):137–53 (43 ref.)

Factors affecting energy expenditure. Miller DS. **Proc Nutr Soc** 1982 Jun;41(2):193–202 (37 ref.)

The interrelationship between metabolic regulation, weight control and obesity. Newsholme EA. **Proc Nutr Soc** 1982 Jun;41(2):183–91 (19 ref.)

Reflexions on energy balance. Passmore R. **Proc Nutr Soc** 1982 Jun;41(2):161–5

Energy costs of protein and fatty acid synthesis. Reeds PJ, et al. **Proc Nutr Soc** 1982 Jun;41(2):155–9 (15 ref.)

Evidence for diet-induced thermogenesis in hyperphagic cafeteria-fed rats. Stock MJ, et al. **Proc Nutr Soc** 1982 Jun;41(2):133–5

Ventromedial hypothalamic lesions reduce the number of NA+, K+-ATPase enzyme units in skeletal muscle of weanling rats. Vander Tuig JG, et al. **Proc Soc Exp Biol Med** 1981 Sep;167(4):475–9

Energy intake and whole body protein dynamics in man. Bier DM, et al. **Prog Clin Biol Res** 1981;61:161–80 (45 ref.)

Control of energy intake and expenditure in the regulation of energy balance. Garby L. **Prog Clin Biol Res** 1981; 77:39–46

Overgrowth: energetic significance in relation to obesity. James WP, et al. **Prog Clin Biol Res** 1981;61:25–53 (94 ref.)

Protein-energy interrelationships. Kinney JM, et al. **Prog Clin Biol Res** 1981;67:179–88 (25 ref.)

Bioenergetics and nutrition of fish. Nose T, et al. **Prog Clin Biol Res** 1981;77:939–43

Energy metabolism in fishes. Smith RR. **Prog Clin Biol Res** 1981;77:945–53

Interaction of energy and protein intakes in relation to dietary requirements. Torún B, et al. **Prog Clin Biol Res** 1981; 77:47–56

Protein-energy requirements and interactions: introduction. Torún B. **Prog Clin Biol Res** 1981;77:35–57

Critical analysis and shortcomings of current dietary protein and energy requirements. Waterlow JC. **Prog Clin Biol Res** 1981;77:87–96

Energy regulation in animals and man. Widdowson EM. **Prog Clin Biol Res** 1981;77:29–34

Effects of increased blood ammonia concentrations on the concentrations of some metabolites in rat tissues. Wiechetek M, et al. **Q J Exp Physiol** 1981 Oct;66(4):423–9

Some relationships between body image, 'energy balance' and body weight loss in male and female students undergoing voluntary slimming. Auckland JN, et al. **R Soc Health J** 1981 Oct;101(5):204–5, 209

Energy cost of disco dancing. Léger LA. **Res Q Exerc Sport** 1982 Mar;53(1):46–9

Energy metabolism and body size. II. Dimensional analysis and energetic non-similarity. Heusner AA. **Respir Physiol** 1982 Apr;48(1):13–25

Energy metabolism and body size. I. Is the 0.75 mass exponent of Kleiber's equation a statistical artifact? Heusner AA. **Respir Physiol** 1982 Apr;48(1):1–12

Metabolic responses to bicycle exercise after several days of physical work and energy deficiency. Rognum TO, et al. **Scand J Clin Lab Invest** 1981 Oct;41(6):565–71

Diving depths and energy requirements of king penguins. Kooyman GL, et al. **Science** 1982 Aug 20;217(4561):726–7

Food fuels reproductive success [news] Lewin R. **Science** 1982 Jul 16;217(4556):238–9

Endogenous opiates and energy balance. Mandenoff A, et al. **Science** 1982 Mar 19;215(4539):1536–8

Energy expenditure and total sleep time: effect of physical exercise. Montgomery I, et al. **Sleep** 1982;5(2):159–68

The role of metabolic energy in platelet-collagen adhesion. Capobianco JO, et al. **Thromb Res** 1981 Jul 1–15; 23(1–2):79–90

Significance of mitochondrial enhancement in restoring hepatic energy charge after revascularization of isolated ischemic liver. Kono Y, et al. **Transplantation** 1982 Feb; 33(2):150–5

Energy balance study in pregnant Asian women. Banerjee B, et al. **Trop Geogr Med** 1981 Sep;33(3):215–8

Energy Metabolism and platelet responses. Holmsen H. **Vox Sang** 1981;40 Suppl 1:1–7 (27 ref.)

The kallikrein-kinin system in circulatory and metabolic homeostasis. McConn R, et al. **World J Surg** 1981 Jul; 5(4):639–51 (104 ref.)

Bistability in the glucose and energy metabolism of ammonia-limited chemostat cultures of Escherichia coli ML 30. Müller PJ, et al. **Z Allg Mikrobiol** 1982;22(3):185–90

The postprandial thermogenesis of different diets in rats. Eschrich H, et al. **Z Ernahrungswiss** 1982 Mar;21(1):43–50

The energy expenditure of spina bifida children during walking and wheelchair ambulation. Evans EP, et al. **Z Kinderchir** 1981 Dec;34(4):425–7

The brain damage in endotoxin shock (some pathobiochemical and functional aspects). Nicolov NA, et al. **Z Med Lab Diagn** 1982 Apr 2;23(2):85–91

[The energy expenditure and labor intensity of pitmen in underground coal cutting and drilling (author's transl)] Yu YZ. **Chung Hua Yu Fang I Hsueh Tsa Chih** 1982 Jan; 16(1):31–4 (Eng. Abstr.) **(Chi)**

[Energy metabolism of the brain] Fernandes J. **Ned Tijdschr Geneeskd** 1982 Feb 13;126(7):288–91 **(Dut)**

[Energy and food] Blaizot F. **Acquis Med Recent** 1981; 198:101–8 **(Fre)**

[In vitro study of L-tyrosine as a possible substrate for energy metabolism of tissue sections (brain, liver) and its effect on isolated mitochondria of the rat brain] Bonifacj JF, et al. **Agressologie** 1981;22(6):241–4 (Eng. Abstr.) **(Fre)**

[Energy metabolism of spermatozoa: present status of the subject] Guerin JF, et al. **Bull Assoc Anat (Nancy)** 1980 Dec;64(187):547–60 (Eng. Abstr.) **(Fre)**

[Regional cerebral metabolism in cerebrovascular ischemic accidents] Juge O. **Ther Umsch** 1981 Aug;38(8):828–9 **(Fre)**

[Effect of a 2-day increased energy supply on heat production and energy utilization in full-grown sows] Kirchgessner M, et al. **Ann Nutr Metab** 1981;25(6):362–70 (Eng. Abstr.) **(Ger)**

[Peculiarities of energy-transforming reactions in bull spermatozoa and their relation to vitality] Halangk W, et al. **Arch Exp Veterinarmed** 1981;35(6):855–68 (Eng. Abstr.) **(Ger)**

[A new method for testing the quality of food proteins for maintenance metabolism. 3. Methodological studies of 15N-labeled adult rats] Hernández M, et al. **Arch Tierernahr** 1981 Oct;31(10):651–60 (Eng. Abstr.) **(Ger)**

[Energy requirement of growing bulls] Hoffmann L, et al. **Arch Tierernahr** 1981 Jul;31(7–8):481–96 (Eng. Abstr.) **(Ger)**

[Energy maintenance requirements and energy requirement for protein retention in growing rats and broilers. 1. Energy maintenance requirements of growing rats] Hoffmann L, et al. **Arch Tierernahr** 1982 Mar;32(3):165–84 (Eng. Abstr.) **(Ger)**

[Respiratory metabolism of domestic and wild pigs. Influences of feed intake, motor activity and time of day (author's transl)] Hörnicke H. **DTW** 1981 Oct 5; 88(10):411–5 (Eng. Abstr.) **(Ger)**

[Postoperative changes in energy metabolism] Günther B. **Infusionsther Klin Ernahr** 1982 Apr;9(2):64–6 (Eng. Abstr.) **(Ger)**

[The postoperative protein and energy metabolism during infusion therapy with high-calorie carbohydrate solutions, compared with low-calorie amino acid solutions] Küntscher H, et al. **Infusionsther Klin Ernahr** 1982 Feb; 9(1):36–43 (Eng. Abstr.) **(Ger)**

[Effect of parenteral administration of fat on the glucose and fat metabolism in acute pancreatitis] Lochs H, et al. **Infusionsther Klin Ernahr** 1982 Jun;9(3):127–9 (Eng. Abstr.) **(Ger)**

[Protein and energy metabolism in intensive care patients] Schmitz JE, et al. **Infusionsther Klin Ernahr** 1981 Aug; 8(4):158–62 (Eng. Abstr.) **(Ger)**

[Effect of solutions with different amounts of branched-chain amino acids on the plasma amino acid pattern and energy metabolism of surgical intensive care patients] Schmitz JE, et al. **Infusionsther Klin Ernahr** 1982 Apr;9(2):100–7 (Eng. Abstr.) **(Ger)**

[What is catabolism?] Schultis K. **Infusionsther Klin Ernahr** 1982 Apr;9(2):68–72 (Eng. Abstr.) **(Ger)**

[Control of energy and nitrogen uptake during diet therapy of phenylketonuria] Theile H, et al. **Kinderarztl Prax** 1981 Aug;49(8):425–30 (Eng. Abstr.) **(Ger)**

[New aspects of the blood flow-augmenting and insulin-like activity of muscle exercise: possible involvement of the kallikrein-kinin-prostaglandin system (author's transl)] Dietze G. **Klin Wochenschr** 1982 May 3;60(9):429–44 (194 ref.) (Eng. Abstr.) **(Ger)**

[Plasma catecholamines, metabolic substrates, aerobic and anaerobic capacity during exercise in supine and sitting position (author's transl)] Lehmann M, et al. **Klin Wochenschr** 1981 Nov 16;59(22):1237–42 (Eng. Abstr.) **(Ger)**

[Metabolism and energy requirements of the severely ill patient] Oehler G. **Med Klin** 1981 Nov 6;76(23):649–52 **(Ger)**

[Energy metabolism in pregnant and non-pregnant myometrium] Herrmann U Jr, et al. **Schweiz Z Sportmed** 1981 Jun;29(2):53–9 (Eng. Abstr.) **(Ger)**

[Neuromuscular mitochondriopathy. A morphological expression of disorders of the energy metabolism (author's transl)] Walter GF. **Veroff Pathol** 1981;117:1–111 (Eng. Abstr.) **(Ger)**

[Energy metabolism and heart rate in members of mine rescue brigades] Bründel KH, et al. **Zentralbl Arbeitsmed Arbeitsschutz Prophyl Ergonomie** 1981 Mar;31(3):106–13 (Eng. Abstr.) **(Ger)**

[Work related energy expenditure while working at a steel plant] Peters H, et al. **Zentralbl Arbeitsmed Arbeitsschutz Prophyl Ergonomie** 1982 Apr;32(4):138–41 **(Ger)**

[Metabolic disorders and psychological changes in older patients after plastic operations on joints] Makai F, et al. **ZFA (Dresden)** 1982 May-Jun;37(3):185–9 **(Ger)**

[PMV ('predicted mean vote'): calculation of the metabolic cost of work and a comparison with heat stress indices] Fabri G, et al. **Ann Ist Super Sanita** 1981;17(3):415–7 **(Ita)**

[Measurement of energy expenditure through heart rate monitoring] Capani F, et al. **Boll Soc Ital Biol Sper** 1982 Feb;58(3–4):162–4 (Eng. Abstr.) **(Ita)**

[Effect of scheduling of meal times on the circadian rhythm of energy expenditure] Consoli A, et al. **Boll Soc Ital Biol Sper** 1981 Dec 15;57(23):2322–4 (Eng. Abstr.) **(Ita)**

[Effects of dibutyryl cyclic AMP on hepatic energy metabolism during hemorrhagic hypotension (author's transl)] Oda T, et al. **Masui** 1981 Jul;30(7):672–80 (Eng. Abstr.) **(Jpn)**

[Hepatic energy metabolism in hemorrhagic hypotension (author's transl)] Oda T. **Masui** 1981 Jun;30(6):574–81 (Eng. Abstr.) **(Jpn)**

[Studies on pathogenesis of cerebral edema due to experimental cerebral hemorrhage. An approach through energy metabolism (author's transl)] Katayama Y. **Nippon Ika Daigaku Zasshi** 1982 Apr;49(2):204–14 (Eng. Abstr.) **(Jpn)**

[Comparative study on methodology of myocardial protection--from energy-metabolic points of view (author's transl)] Tajiri T. **Nippon Kyobu Geka Gakkai Zasshi** 1981 Nov; 29(11):1791–800 (Eng. Abstr.) **(Jpn)**

[Myocardial action potentials and myocardial energy metabolism (1)] Sperelakis N, et al. **Nippon Rinsho** 1981 Jan;39(1):207–16 **(Jpn)**

[Energy expenditure and other indicators of stress load in physiological labor] Brodziński W. **Ginekol Pol** 1981 Oct; 52(10):947–9 **(Pol)**

[Energy expenditure in soldiers working on the public road and railroad construction] Rdzanek J, et al. **Med Pr** 1981; 32(4):297–302 (Eng. Abstr.) **(Pol)**

[Energy expenditure of workers in a copper mill] Sowa K, et al. **Med Pr** 1981;32(6):433–7 (Eng. Abstr.) **(Pol)**

[Changes in urine vitamin C, creatinine and uropepsin levels as a result of workload at standard work stations in the

shipyard] Wysocki K, et al. **Med Pr** 1980;31(6):425–33 (Eng. Abstr.) **(Pol)**

[Role of inorganic pyrophosphate in the cell bioenergetics (author's transl)] Masłowski P, et al. **Postepy Biochem** 1981; 27(2):147–56 (56 ref.) **(Pol)**

[Energy expenditure of the work performed in the school workshops of vocational schools] Banaszkiewicz A, et al. **Roez Panstw Zakl Hig** 1981;32(5–6):479–84 (Eng. Abstr.) **(Pol)**

[Comparative study of energy metabolism in the liver and skeletal muscles of rat and rabbit. Effect of starvation] Kosenko EA. **Biokhimiia** 1981 Aug;46(8):1389–95 (Eng. Abstr.) **(Rus)**

[Role of peroxides in changes in brain mitochondria energy metabolism following exposure to schizophrenic patients' serum] Gulidova GP. **Biull Eksp Biol Med** 1981 Jul; 92(7):42–4 (Eng. Abstr.) **(Rus)**

[Chemical mechanism of the ATPase reaction in energy transformation systems] Likhtenshtein GI, et al. **Dokl Akad Nauk SSSR** 1982;262(4):1013–6 **(Rus)**

[Analysis of the effect of isoprenaline on skeletal muscle energy consumption] Putilin NI, et al. **Fiziol Zh** 1982 Jan–Feb;28(1):52–5 (Eng. Abstr.) **(Rus)**

[Bioenergetic characteristics of different kinds of physical loads] Usik SV, et al. **Fiziol Zh SSSR** 1981 Sep;67(9):1370–4 (Eng. Abstr.) **(Rus)**

[Energy expenditure of young athletes during certain functional states and muscle activity] Filippov MM, et al. **Gig Sanit** 1982;(1):23–5 (Eng. Abstr.) **(Rus)**

[Metabolism and structure of cardiac muscle at different levels of hypothermic protection of the myocardium] Korolev BA, et al. **Grudn Khir** 1982 May–Jun;(3):14–20 (Eng. Abstr.) **(Rus)**

[Nutrition on flights and its quantitative adequacy to pilot energy expenditure] Popov IG. **Kosm Biol Aviakosm Med** 1981 Sep–Oct;15(5):4–14 (43 ref.) (Eng. Abstr.) **(Rus)**

[Effect of space flights of varying duration on energy metabolism in human erythrocytes] Ushakov AS, et al. **Kosm Biol Aviakosm Med** 1981 Sep–Oct;15(5):23–7 **(Rus)**

[Characteristics of the structuro-functional properties and energy metabolism of erythrocytes during space flights of different duration] Ushakov AS, et al. **Kosm Biol Aviakosm Med** 1982 Jan–Feb;16(1):34–7 (Eng. Abstr.) **(Rus)**

[Energy-metabolism enzymes during combined exposure of the body to simulated weightlessness and gravitational overloads] Vetrova EG, et al. **Kosm Biol Aviakosm Med** 1981 Sep–Oct;15(5):34–8 (Eng. Abstr.) **(Rus)**

[Energy dependence of glucose transport in Brevibacterium flavum cells] Marauska DF, et al. **Mikrobiologiia** 1981 Sep–Oct;50(5):763–8 (Eng. Abstr.) **(Rus)**

[Constructive and energy metabolism changes in the formation and germination of resting retractile forms of Bacillus cereus] Pronin SV, et al. **Mikrobiologiia** 1981 Nov–Dec;50(6):1062–5 (Eng. Abstr.) **(Rus)**

[Cell energy metabolism enzymes in hypoxia of varying origins] Govorova LV, et al. **Nerv Sist** 1980;21:76–84 **(Rus)**

[Energy supply of serotonin inactivation in the lungs] Dubilei PV, et al. **Patol Fiziol Eksp Ter** 1981 Jul–Aug;(4):69–73 (Eng. Abstr.) **(Rus)**

[Changes in the energy enzymes in the lymphocytes in myocardial infarct] Ananchenko VG, et al. **Sov Med** 1981; (10):12–4 (Eng. Abstr.) **(Rus)**

[Ways of correcting microcirculatory and bioenergetic disorders in the tissues in burn patients] Grigor'ev IG, et al. **Sov Med** 1981;(4):56–61 (Eng. Abstr.) **(Rus)**

[Energy metabolic changes in the pathogenesis of periodontosis] Varava GN, et al. **Stomatologiia (Mosk)** 1981 Sep–Oct;60(5):9–10 (Eng. Abstr.) **(Rus)**

[Energy metabolism in periodontal tissue in spontaneous periodontosis in cats] Varava GN, et al. **Stomatologiia (Mosk)** 1982 Mar–Apr;(2):11–2 (Eng. Abstr.) **(Rus)**

[Study of the bioenergetic mechanisms of mud therapy] Leshchinskii AF, et al. **Vopr Kurortol Fizioter Lech Fiz Kult** 1982 Jan–Feb;(1):30–5 **(Rus)**

[Effect of prostaglandin E2 on energy metabolism in isolated rat liver mitochondria] Cherkasskaia MD, et al. **Vopr Med Khim** 1982 May–Jun;28(3):110–4 (Eng. Abstr.) **(Rus)**

[Effect of experimental hypertension on activity of certain enzymes of energy metabolism in the rabbit aorta] Mikhaĭlova IA, et al. **Vopr Med Khim** 1982 Jan–Feb; 28(1):31–4 **(Rus)**

[Energy expenditures of operators of mechanized columns in the construction of the Baikal–Amur mainline] Demina DM, et al. **Vopr Pitan** 1981 Jul–Aug;(4):35–7 (Eng. Abstr.) **(Rus)**

[Role of nutrition in changes in energy metabolism in stress] Panin LE, et al. **Vopr Pitan** 1982 May–Jun;(3):15–8 **(Rus)**

[Energy requirements of railroad bridge assemblers] Ratner EM, et al. **Vopr Pitan** 1982 Mar–Apr;(2):25–6 (Eng. Abstr.) **(Rus)**

[Energy expenditure, practical nutrition and the state of metabolic processes in the drivers of city passenger transportation] Smoliar VI, et al. **Vopr Pitan** 1982 Jan–Feb; (1):31–4 (Eng. Abstr.) **(Rus)**

[Effect of measured reduction of coronary blood flow on energy metabolism in the myocardium] Frol'kis RA. **Vrach Delo** 1981 Nov;(11):65–7 (Eng. Abstr.) **(Rus)**

[Characteristics of individual development and patterns of male and female rats in light of the skeletal muscle energy rule] Arshavskiĭ IA, et al. **Zh Obshch Biol** 1981 Sep–Oct; 42(5):698–707 (Eng. Abstr.) **(Rus)**

[Creatine kinase system and muscle energy metabolism] Chetverikova EP. **Zh Obshch Biol** 1981 Jul–Aug; 42(4):586–96 (31 ref.) (Eng. Abstr.) **(Rus)**

[Metabolic rate and energy balance of the armadillo Dasypus sabanicola (Mammalia–Edentata) in captivity] Fergusson–Laguna A. **Acta Cient Venez** 1981;32(1):100–4 (Eng. Abstr.) **(Spa)**

[Relative efficiency of increased energy and proteins in undernourished children] Río ME, et al. **Medicina (B Aires)** 1981;41(3):343–8 (Eng. Abstr.) **(Spa)**

DRUG EFFECTS

Splanchnic turn-over of some energy metabolites and acid–base balance during intravenous infusion of lidocaine, bupivacaine or etidocaine. Wiklund L, et al. **Acta Anaesthesiol Scand** 1981 Jun;25(3):200–8

Phentolamine in acute myocardial infarction: hemodynamic and metabolic effects. Chatterjee K, et al. **Acta Med Scand [Suppl]** 1981;652:129–34

The contribution of increased thermogenesis to the effect of anorectic drugs on body composition in mice. Arch JR. **Am J Clin Nutr** 1981 Dec;34(12):2763–9

A simple apparatus for comparative measurements of energy expenditure in human subjects: the thermic effect of caffeine. Hollands MA, et al. **Am J Clin Nutr** 1981 Oct; 34(10):2291–4

Effects of 2–n–butyl–methylenedioxyindene on skeletal muscle mechanics and energetics. Burchfield DM, et al. **Am J Physiol** 1982 May;242(5):C347–52

Controls needed to assess effects of steroids on mitochondria [letter] Brenner BE. **Ann Emerg Med** 1981 Nov; 10(11):613–4

Effect of spermine on the inhibition by fatty acid on AMP deaminase reaction as a control system of the adenylate energy charge in yeast. Yoshino M, et al. **Biochem Biophys Res Commun** 1981 Oct 15;102(3):905–10

Effect of local anaesthetics on lymphocyte capping and energy metabolism. Montecucco C, et al. **Biochem Pharmacol** 1981 Nov 1;30(21):2989–92

Energy status, growth and nitrogenase activity in continuous cultures of Rhizobium sp. strain CB756 supplied with NH+4 and various rates of aeration. Ching TM, et al. **Biochim Biophys Acta** 1981 Jun 12;636(1):82–90

Differential effects of hypertonic mannitol and glycerol on rat brain metabolism and amino acids. Chan PH, et al. **Brain Res** 1981 Nov 23;225(1):143–53

Effect of oxotremorine on local cerebral glucose utilization in motor system regions of the rat brain. Dow–Edwards D, et al. **Brain Res** 1981 Dec 7;226(1–2):281–9

Effect of lonidamine on the energy metabolism of Ehrlich ascites tumor cells. Floridi A, et al. **Cancer Res** 1981 Nov; 41(11 Pt 1):4661–6

Effect of histamine on the energy metabolism of K+–depolarized hog carotid artery. Peterson JW. **Circ Res** 1982 Jun;50(6):848–55

Effect of hyaluronidase on substrate exchange and blood flow in the ischaemic myocardium of the dog. Smiseth OA, et al. **Clin Physiol** 1982 Feb;2(1):39–50

Blood pressure, renal and metabolic effects of ACTH in normotensive man. Whitworth JA, et al. **Clin Sci [Suppl]** 1981 Dec;61(7):269s–272s

Brain energy metabolism in mice exposed to oxygen at 1 atmosphere absolute. Schafer G. **Clin Toxicol** 1981 Dec; 18(12):1499–511

The influence of moderate prolonged exercise and a low carbohydrate diet on ethanol elimination and on metabolism. Schürch PM, et al. **Eur J Applied Physiol** 1982; 48(3):407–14

Inhibition of mitochondrial protein synthesis and energy coupling by fragment A of diphtheria toxin. Abraham AK, et al. **Eur J Biochem** 1982 Mar;123(1):201–7

Effect of acute ammonia intoxication on energy stores in the cerebral reticular activating system. McCandless DW, et al. **Exp Brain Res** 1981;44(3):325–30

Phenobarbital interference on cerebral metabolism related to energy transduction. Benzi G, et al. **Farmaco [Sci]** 1981 Sep;36(9):804–10

Effect of indole on adenylate energy charge and mitochondrial phosphorylative activity of rat liver. Sakai M, et al. **Int J Biochem** 1982;14(7):569–72

Energy and misonidazole toxicity: the effects of 5–thio–D–glucose. Skov KA, et al. **Int J Radiat Oncol Biol Phys** 1982 Mar–Apr;8(3–4):697–700

Novel phosphoenolpyruvate–dependent futile cycle in Streptococcus lactis: 2–deoxy–D–glucose uncouples energy production from growth. Thompson J, et al. **J Bacteriol** 1982 Sep;151(3):1454–65

Prolactin receptors in cultured rat mammary tumor cells. Unmasking of cell surface receptors by energy depletion. Costlow ME, et al. **J Biol Chem** 1982 Jun 25;257(12):6971–7

Effect of energy depletion on the glycosylation of a viral glycoprotein. Datema R, et al. **J Biol Chem** 1981 Nov 10; 256(21):11191–8

Effect of propranolol on energy demand -- supply balance in myocardial ischemia. Kissin I, et al. **J Cardiovasc Pharmacol** 1981 Sep–Oct;3(5):992–1001

Effects of nifedipine on myocardial energy balance in experimental coronary vasoconstriction and occlusion. Kissin I, et al. **J Cardiovasc Pharmacol** 1982;4(1):111–5

Effects of kainic acid on high–energy metabolites in the mouse striatum. Retz KC, et al. **J Neurochem** 1982 Jan; 38(1):196–203

Microvascular perfusion and metabolism in injured spinal cord after methylprednisolone treatment. Anderson DK, et al. **J Neurosurg** 1982 Jan;56(1):106–13

Energy balance and mitochondrial function in liver and brown fat of rats fed 'cafeteria' diets of varying protein content. Rothwell NJ, et al. **J Nutr** 1982 Sep; 112(9):1663–72

Effects of nitroglycerin on transmural energy metabolism in the underperfused canine heart. Higuchi M. **J Pharmacol Exp Ther** 1982 Sep;222(3):694–8

Ions and energy metabolism in duck salt–gland: possible role of furosemide–sensitive co–transport of sodium and chloride. Ernst SA, et al. **J Physiol (Lond)** 1982 Apr; 325:333–52

Effect of leukocyte endogenous mediator(s) on insulin and substrate profiles in the fasted rat. Keenan RA, et al. **J Surg Res** 1982 Aug;33(2):151–7

Blood flow to brown adipose tissue and norepinephrine–induced calorigenesis in physically trained rats. Hirata K. **Jpn J Physiol** 1982;32(2):279–91

Thermogenic and anorectic effects of ephedrine and congeners in mice and rats. Arch JR, et al. **Life Sci** 1982 May 24;30(21):1817–26

Toward a 'bio–energy supplement' -- a prototype for functional orthomolecular supplementation. McCarty MF. **Med Hypotheses** 1981 Apr;7(4):515–38 (138 ref.)

Effects of thiopental on regulatory mechanisms of brain energy metabolism. Krieglstein J, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1981 Dec; 318(1):56–61

Relative effects of furosemide and ethacrynic acid on ion transport and energy metabolism in slices of rat kidney–cortex. van Rossum GD, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1981 Aug; 317(1):90–6

Cytostatic activity and metabolic effect of N–trichloromethylthio–4–cyclohexane–1,2–dicarboximide on Ehrlich ascites carcinoma cells. Sturdík E, et al. **Neoplasma** 1982;29(2):205–14

The effect of unconjugated bilirubin on regional cerebellar energy metabolism. McCandless DW, et al. **Neurobehav Toxicol** 1980 Summer;2(2):81–4

Cerebral energy metabolism during the onset and recovery from halothane anesthesia. McCandless DW, et al. **Neurochem Res** 1981 Dec;6(12):1319–26

The effect of the potent opiate agonist etorphine on local energy metabolism in the isolated perfused rat brain. Wüster M, et al. **Neuropharmacology** 1981 Sep;20(9):901–4

Influence of alpha– and beta–adrenoblockers on the calorigenic effect of epinephrine in rats with experimental hyperthyroidism. Sobolev VI. **Neurosci Behav Physiol** 1981 Jul–Aug;11(4):389–91

Drug–induced interference with energy metabolism in the S180 sarcoma: a new principle in the production of selective tumor injury. Jones GR, et al. **Oncodev Biol Med** 1981;2(3):155–64

Digestion of dry matter and amino acids and energy utilization by chicks fed molded corn containing mycotoxins. Nelson TS, et al. **Poult Sci** 1982 Mar; 61(3):584–5

Vasoactive intestinal polypeptide induces glycogenolysis in mouse cortical slices: a possible regulatory mechanism for the local control of energy metabolism. Magistretti PJ, et al. **Proc Natl Acad Sci USA** 1981 Oct;78(10):6535–9

Metabolic and endocrine alterations induced by endotoxin and sepsis at the cellular level. Spitzer JA, et al. **Prog Clin Biol Res** 1981;62:123–30

Effects of promethazine on the energy metabolism of normoxic and hypoxic rat brain. MacMillan V. **Stroke** 1982 Jul–Aug;13(4):464–9

Effects of sodium pentachlorophenate on enzymes of energy metabolism in tissues of Notopterus notopterus. Verma SR, et al. **Toxicol Lett** 1982 Feb;10(2–3):297–302

Plantix (fiber) deficiency in animal physiopathology. Laplace JP, et al. **World Rev Nutr Diet** 1981;37:84–176 (540 ref.)

Effect of hypertonic 40% glucose on the metabolic changes and the outcome of hemorrhagic shock. Bakos M, et al. **Z Med Lab Diagn** 1982 Apr 2;23(2):100–3

Effect of alpha receptor blocking drugs and vasodilators on metabolic changes in hemorrhagic shock. Ikrényi C, et al. **Z Med Lab Diagn** 1982 Apr 2;23(2):96–9

[Physiology and pathology of connective tissue in heart muscle with age–related differences (so–called isoproterenol–cardiopathy of the rat) (author's transl)] Mangold I, et al. **Aktuel Gerontol** 1981 Nov;11(6):200–7 (Eng. Abstr.) **(Ger)**

[Effect of inhibition of intestinal glucosidase on protein and energy balance in rats] Kirchgessner M, et al. **Ann Nutr Metab** 1981;25(3):194–200 (Eng. Abstr.) **(Ger)**

[Mechanisms of the protective effect of methohexital on cerebral energy metabolism] Hanke J, et al. **Arzneimittelforsch** 1982;32(6):620–5 (Eng. Abstr.) **(Ger)**

[Effect of selective and non–selective adrenoceptor blockade during physical work on energy metabolism and

sympatho-adrenergic system (author's transl)] Lehmann M, et al. **Arzneimittelforsch** 1982;32(3):261–6 (Eng. Abstr.) **(Ger)**

[Influence of curare and methohexital-Na on the content of energy-rich phosphates and substrates of glycolysis in rat liver (author's transl)] Schütz A, et al. **Arzneimittelforsch** 1982;32(5):522–5 (Eng. Abstr.) **(Ger)**

[Important metabolic parameters in the peripartum period as affected by peridural anesthesia] Knoche E, et al. **Infusionsther Klin Ernahr** 1981 Aug;8(4):190–9 (Eng. Abstr.) **(Ger)**

[Catecholamines, GH, cortisol, glucagon, insulin, and sex hormones in exercise and beta 1-blockade (author's transl)] Kindermann W, et al. **Klin Wochenschr** 1982 May 17; 60(10):505–12 (Eng. Abstr.) **(Ger)**

[Metabolic effects of diuretics (author's transl)] Kewitz H, et al. **MMW** 1981 Nov 20;123(47):1799–802 (Eng. Abstr.) **(Ger)**

[Beta-receptor blockers: metabolic actions and therapeutic consequences (author's transl)] Lohmann FW. **MMW** 1981 Nov 20;123(47):1795–8 (Eng. Abstr.) **(Ger)**

[The effects of progesterone and androgens on in vitro metabolism of human placenta from early pregnancy (author's transl)] Nagy P, et al. **Z Geburtshife Perinatol** 1981 Oct;185(5):293–5 (Eng. Abstr.) **(Ger)**

[Metabolic effects of intravenous noradrenaline in metabolically healthy humans] Möricke R, et al. **Z Gesamte Inn Med** 1981 Jul 1;36(13):433–43 (Eng. Abstr.) **(Ger)**

[Mechanism of action of etimizol on the energy metabolism of the neurogenically damaged myocardium] Novikov VP. **Biull Eksp Biol Med** 1981 Jun;91(6):698–9 (Eng. Abstr.) **(Rus)**

[Activation of energy-independent liver mitochondrial NAD(P)-transhydrogenase by catecholamines, glucagon and cAMP] Kulinskii VI, et al. **Dokl Akad Nauk SSSR** 1982;264(4):1002–4 **(Rus)**

[Effect of methanedienone (methandrostenolone) on energy processes and carbohydrate metabolism in rat liver cells] Serakovskii S, et al. **Farmakol Toksikol** 1981 Mar-Apr; 44(2):213–7 (Eng. Abstr.) **(Rus)**

[Age-associated characteristics of the effect of adrenomimetics on myocardial energy metabolism] Viktorov AP. **Farmakol Toksikol** 1981 Sep-Oct;44(5):571–6 **(Rus)**

RADIATION EFFECTS

Ionizing irradiation and fasting in the rat. II. Effect on energy metabolism. Wilhelm J, et al. **Agressologie** 1982 Apr; 23(2):79–81

Microwave effects on energy metabolism of rat brain. Sanders AP, et al. **Bioelectromagnetics** 1980;1(2):171–81

[Carbohydrate and energy metabolic changes in the intestinal radiation syndrome] Kendysh IN, et al. **Radiobiologiia** 1981 Nov-Dec;21(6):894–7 (Eng. Abstr.) **(Rus)**

[Participation of glucocorticoids and insulin in changes in energy metabolism in the spleen of irradiated rats] Sutkovoi DA. **Ukr Biokhim Zh** 1982 Mar-Apr;54(2):171–5 (Eng. Abstr.) **(Rus)**

ENERGY TRANSFER

Electromagnetic absorption in a multilayered slab model of tissue under near-field exposure conditions. Chatterjee I, et al. **Bioelectromagnetics** 1980;1(4):379–88

Papers prepared by the National Institute on Aging for the White House Conference on Aging (WHCoA). Injury in late life: II. Prevention. Hogue CC. **J Am Geriatr Soc** 1982 Apr;30(4):276–80

Proton transfer in the primary process of vision. Sarai A, et al. **Photochem Photobiol** 1981 Jun;33(6):875–81

Solute asymmetric energy of transfer (channel partition) model and the cause of cancer. Doonan B. **Physiol Chem Phys** 1981;13(2):179–81

An algorithm for determining the proximity distribution from dose-averaged lineal energies. Zaider M, et al. **Radiat Res** 1982 Jul;91(1):95–103

ENFLURANE

Effect of mannitol and furosemide on urinary fluoride excretion of surgical patients anaesthetized with enflurane or halothane. Oikkonen M, et al. **Acta Anaesthesiol Scand** 1982 Feb;26(1):82–7

Enflurane improves the oxygen supply/demand balance in the acutely ischaemic canine myocardium. Smith G, et al. **Acta Anaesthesiol Scand** 1982 Feb;26(1):44–7

Central haemodynamics during halothane and enflurane anaesthesia in vascular surgery. von Euler C, et al. **Acta Anaesthesiol Scand** 1981 Dec;25(6):509–15

Effects of prolonged anesthesia with enflurane or halothane on renal function in dogs. Wickström I, et al. **Acta Anaesthesiol Scand** 1981 Jun;25(3):228–34

Enflurane anesthesia in living donor renal transplantation. Wickström I. **Acta Anaesthesiol Scand** 1981 Jun;25(3):263–9

Effects of renal function on serum fluoride level in dogs during and after enflurane anesthesia. Wickström I, et al. **Acta Anaesthesiol Scand** 1981 Jun;25(3):258–62

Leg haemodynamics during different forms of anaesthesia in patients undergoing reconstructive vascular surgery. Sonnenfeld T, et al. **Acta Chir Scand** 1981;147(4):249–53

Anesthesia for patients with insulinoma treatment with oral diazoxide. Burch PG, et al. **Anesthesiology** 1981 Oct; 55(4):472–5

Anisocoria and ipsilateral exophthalmos during enflurane anesthesia. Klein DS, et al. **Anesthesiology** 1982 Sep; 57(3):237–8

Densities of liquid halothane, methoxyflurane, and enflurane between 0 degrees and 35 degrees C. Korman B, et al. **Anesthesiology** 1982 Jul;57(1):42–3

Treatment of stress-induced increases in pulmonary capillary wedge pressure using volatile anesthetics. Roizen MF, et al. **Anesthesiology** 1981 Oct;55(4):446–50

The effect of acute elevation of blood pressure on myocardial performance during enflurane and enflurane with nitrous oxide anaesthesia in man. Duke PC, et al. **Can Anaesth Soc J** 1982 Mar;29(2):130–5

Inhalation anesthesia in experimental radiotherapy: a reliable and time-saving system for multifractionation studies in a clinical department. Ang KK, et al. **Int J Radiat Oncol Biol Phys** 1982 Jan;8(1):145–8

Regional vascular changes during hypotensive anesthesia. Hoffman WE, et al. **J Cardiovasc Pharmacol** 1982 Mar-Apr; 4(2):310–4

Preliminary experience with enflurane. Chan CS. **Singapore Med J** 1982 Feb;23(1):26–9

[Pulsed Brain-Spoerel system a new closed-circle system (author's transl)] Neidhardt A, et al. **Anesth Analg (Paris)** 1981;38(9–10):501–3 (Eng. Abstr.) **(Fre)**

[Variations in blood prolactin in man during enflurane or Alfatésine anesthesias] Lanza V, et al. **Ann Anesthesiol Fr** 1981;22(6):563–9 (Eng. Abstr.) **(Fre)**

[Anesthesia with pure enflurane in children: an electroencephalographic study (author's transl)] Plouin P, et al. **Rev Electroencephalogr Neurophysiol Clin** 1980 Oct-Dec;10(4):393–9 (Eng. Abstr.) **(Fre)**

[The effect of enflurane anaesthesia and operation on the sympathoadrenal and adrenocortical system (author's transl)] Abdulla W, et al. **Anaesthesist** 1981 Oct; 30(10):493–6 (Eng. Abstr.) **(Ger)**

[Enflurane and pheochromocytoma. Documentation on 4 cases and on plasma catecholamines] Bonetti L, et al. **Minerva Anestesiol** 1982 Jan-Feb;48(1-2):17–26 (Eng. Abstr.) **(Ita)**

[Pharmacology and clinical use of enflurane (author's transl)] Nagashima H. **Masui** 1982 Jan;31(1):2–12 (26 ref.) **(Jpn)**

[Clinical studies on nitrous oxide-enflurane-oxygen anesthesia: compatibility with local epinephrine and temporal arterial blood concentration of enflurane (author's transl)] Nishioka K, et al. **Masui** 1982 Jan;31(1):45–9 (Eng. Abstr.) **(Jpn)**

ADMINISTRATION & DOSAGE

Closed-circuit halothane and enflurane using an in-circle Goldman vaporizer. Jordan MJ, et al. **Br J Anaesth** 1981 Dec;53(12):1285–90

ADVERSE EFFECTS

Enflurane seizures in patients taking amitriptyline. Sprague DH, et al. **Anesth Analg (Cleve)** 1982 Jan;61(1):67–8

Low-dose enflurane does not increase blood loss during therapeutic abortion. Sidhu MS, et al. **Anesthesiology** 1982 Aug;57(2):127–9

Isorhythmic atrioventricular dissociation during enflurane anesthesia. Chander S. **South Med J** 1982 Aug;75(8):945–50

[Liver involvement following enflurane anesthesia] Mogensen T, et al. **Ugeskr Laeger** 1981 Apr 27; 143(18):1165–6 (Eng. Abstr.) **(Dan)**

[Renal toxicity of enflurane Hypothesis or sureness? (author's transl)] Delhumeau A, et al. **Anesth Analg (Paris)** 1981; 38(9–10):549–50 (Eng. Abstr.) **(Fre)**

[A comparison of liver function after enflurane, halothane and NLA anesthesia in man (author's transl)] Kumeta Y, et al. **Masui** 1982 Feb;31(2):166–70 (Eng. Abstr.) **(Jpn)**

ANALYSIS

Thermocamera studies of enflurane and halothane vapours. Carlsson P, et al. **Acta Anaesthesiol Scand** 1981 Aug; 25(4):315–8

[Alteration of the volatile anaesthetics halothane and enflurane in heated humidifiers (author's transl)] Hess M, et al. **Anaesthesist** 1981 Aug;30(8):410–4 (Eng. Abstr.) **(Ger)**

METABOLISM

Metabolic ability and enflurane defluorination in surgical patients. Rosenberg PH, et al. **Acta Anaesthesiol Scand** 1981 Jun;25(3):246–53

Isoniazid-induced enflurane defluorination in humans. Mazze RI, et al. **Anesthesiology** 1982 Jul;57(1):5–8

[Changes in blood concentrations of halothane and enflurane in the elimination phase (author's transl)] Reinhold P, et al. **Z Rechtsmed** 1981;87(1-2):75–84 **(Ger)**

PHARMACODYNAMICS

Sister chromatid exchanges in lymphocytes after anaesthesia with halothane or enflurane. Husum B, et al. **Acta Anaesthesiol Scand** 1981 Apr;25(2):97–8

Atropine before enflurane anaesthesia: effects on cardiac rhythm, pulse rate, blood pressure and airway secretion. Valentin N, et al. **Acta Anaesthesiol Scand** 1982 Apr; 26(2):156–61

A comparative study of enflurane and halothane in children. O'Neill MP, et al. **Anaesthesia** 1982 Jun;37(6):634–9

The influence of halothane and enflurane on the reversibility of an Org NC45 neuromuscular blockade in cats. Booij LH, et al. **Anasth Intensivther Notfallmed** 1982 Apr; 17(2):78–80

Enflurane and isoflurane stimulate calcium transport by cardiac sarcoplasmic reticulum. Blanck TJ, et al. **Anesth Analg (Cleve)** 1982 Feb;61(2):142–5

Plasma epinephrine and norepinephrine levels during anesthesia: enflurane-N2O-O2 compared with fentanyl-N2O-O2. Brown FF 3d, et al. **Anesth Analg (Cleve)** 1982 Apr;61(4):366–70

Exposure to halothane and enflurane affects learning function of murine progeny. Chalon J, et al. **Anesth Analg (Cleve)** 1981 Nov;60(11):794–7

Effects of enflurane on release of insulin by pancreatic islets in vitro. Ewart RB, et al. **Anesth Analg (Cleve)** 1981 Dec; 60(12):878–84

Decreasing enflurane concentrations and d-tubocurarine neuromuscular blockade. Gencarelli PJ, et al. **Anesthesiology** 1982 Mar;56(3):192–4

Respiratory effects of nitrous during enflurane anesthesia in humans. Lam AM, et al. **Anesthesiology** 1982 Apr; 56(4):298–303

Are the myocardial functional and metabolic effects of isoflurane really different from those of halothane and enflurane? Merin RG. **Anesthesiology** 1981 Oct; 55(4):398–408

Systemic and regional blood flow distribution in unanesthetized swine and swine anesthetized with halothane + nitrous oxide, halothane, or enflurane. Tranquilli WJ, et al. **Anesthesiology** 1982 May;56(5):369–79

Inhibiting effects of enflurane and isoflurane anesthesia on measles virus replication: comparison with halothane. Knight PR, et al. **Antimicrob Agents Chemother** 1981 Sep; 20(3):298–306

Electroencephalographic and behavioural effects of enflurane and halothane anaesthesia in the cat. Bassell GM, et al. **Br J Anaesth** 1982 Jun;54(6):659–63

Effects of the inhalation of enflurane on hepatic microsomal enzymatic activities in the rat. da Rocha-Reis MG, et al. **Br J Anaesth** 1982 Jan;54(1):97–101

Impaired neostigmine antagonism of pancuronium during enflurane anaesthesia in man. Delisle S, et al. **Br J Anaesth** 1982 Apr;54(4):441–5

Effect of enflurane and fentanyl on the clinical characteristics of long-term succinylcholine infusion. Donati F, et al. **Can Anaesth Soc J** 1982 Jan;29(1):59–64

Blood flow to oral tissues: and experimental study with enflurane, sodium nitroprusside, and nitroglycerin. Bergman S, et al. **J Oral Maxillofac Surg** 1982 Jan; 40(1):13–7

Enflurane depression of myocardial slow action potentials. Lunch C 3d, et al. **J Pharmacol Exp Ther** 1982 Aug; 222(2):405–9

Elevated ornithine decarboxylase activity in the rat liver following exposure to halothane, enflurane and isoflurane. Van Dyke RA, et al. **Life Sci** 1982 May 31;30(22):1893–8

Cardiovascular and renal effects of enflurane and halothane in the dog. Hunter JM, et al. **Res Vet Sci** 1981 Sep; 31(2):177–81

[Comparison of halothane and enflurane on the pulmonary compliance (author's transl)] Neidhardt A, et al. **Anesth Analg (Paris)** 1982;38(11-12):609–12 (Eng. Abstr.) **(Fre)**

[Haemodynamic and cardiac and respiratory changes during enflurane-monoanaesthesia in the Göttingen minipig (author's transl)] Becker M, et al. **Anaesthesist** 1982 Mar; 31(3):145–50 (Eng. Abstr.) **(Ger)**

[Cardiac and peripheral vascular effects of the volatile inhalational anaesthetic enflurane in chronically instrumented dogs (author's transl)] Mayrhofer O, et al. **Wien Klin Wochenschr** 1982 Apr 2;94(7):178–81 (Eng. Abstr.) **(Ger)**

[Effect of halothane and enflurane general anesthesia on adenosine deaminase activity in human lymphocytes (letter)] De Francisci G, et al. **Haematologica (Pavia)** 1981 Aug;66(4):529–31 **(Ita)**

[Effects of enflurane on brain electrical activities of experimental seizures in cats (author's transl)] Urabe N. **Nippon Geka Hokan** 1981 Mar 1;50(2):289–94 (Eng. Abstr.) **(Jpn)**

[Effect of enflurane on the motor cortex synapses in rabbits during the developmental period. Electron-microscopic studies by the routine method and after impregnation with ZIO] Dydyk L, et al. **Neuropatol Pol** 1981 Apr-Jun; 19(2):175–87 (Eng. Abstr.) **(Pol)**

POISONING

Fatal misuse of enflurane [letter] Lingenfelter RW. **Anesthesiology** 1981 Nov;55(5).603

THERAPEUTIC USE

Enflurane suppression of complex ventricular dysrhythmias. Smith M, et al. **Anesthesiology** 1982 Feb;56(2):148–50

TOXICITY

Lack of toxicity of enflurane on male reproductive organs in mice. Baden JM, et al. **Anesth Analg (Cleve)** 1982 Jan;

61(1):19–22
Safety of enflurane following administration of aminophylline in experimental animals. Stirt JA, et al. **Anesth Analg (Cleve)** 1981 Dec;60(12):871–3
Carcinogen bioassay of enflurane in mice. Baden JM, et al. **Anesthesiology** 1982 Jan;56(1):9–13
Postnatal development and behavior in offspring of enflurane exposed pregnant rats. Peters MA, et al. **Arch Int Pharmacodyn Ther** 1982 Mar;256(1):134–44

ENGINEERING

An overview of occupational exposure control technology in nonferrous smelting. Burton DJ. **Am J Industr Med** 1980; 1(3–4):293–305
The good enough calculi of evolving control systems: evolution is not engineering. Partridge LD. **Am J Physiol** 1982 Mar;242(3):R173–7
Design for failure-engineered system reliability and occupational hygiene. Churchley AR, et al. **Ann Occup Hyg** 1982;25(1):83–93
Cancer morbidity among polishers. Järvholm B, et al. **Br J Ind Med** 1982 May;39(2):196–7
Industrial bladder cancer [letter] Pickering AH. **Br Med J [Clin Res]** 1982 May 29;284(6329):1632
Engineering design and appropriate technology. McPhun MK. **J Med Eng Technol** 1981 Mar;5(2):80–3
Student evaluation of instruction. A comparison of medicine and engineering. Neumann L. **Med Educ** 1982 May; 16(3):121–6
[Cooperation of engineers and physicians in accident prevention] Hartmann W, et al. **Soz Praventivmed** 1981 Dec;26(6):399–403 (Eng. Abstr.) **(Ger)**
[Ergonomy from the viewpoint of engineers] Lemke E. **Zentralbl Arbeitsmed Arbeitsschutz Prophyl Ergonomie** 1981 Apr;31(4):162–6 **(Ger)**
[Research results and the tasks of industrial hygiene for mechanical engineers in the 11th 5-Year Plan] Shirokov IuG. **Gig Tr Prof Zabol** 1981 Nov;(11):5–10 (Eng. Abstr.) **(Rus)**
[Ocular accommodation in engineering-technical workers of a design institute] Savel'ev ON, et al. **Oftalmol Zh** 1981; 36(6):351–3 (Eng. Abstr.) **(Rus)**

INSTRUMENTATION

Diesel particle and organic emissions: engine simulation, sampling, and artifacts. Bradow RL. **Dev Toxicol Environ Sci** 1982;10:33–47
A new experimental method for measuring life time and crack growth of materials under multi-stage and random loadings. Stanzl S. **Ultrasonics** 1981 Nov;19(6):269–72

ENGINEERING, HOSPITAL see **MAINTENANCE AND ENGINEERING, HOSPITAL**

ENGINEERING PSYCHOLOGY see **HUMAN ENGINEERING**

ENGRAVING AND ENGRAVINGS

The circumcision of the child on the eighth day ... An anonymous engraving after a design by Bernard Picart. New Haven, Yale Medical Library, Clements C. Fry Collection. Lach E. **J Hist Med Allied Sci** 1982 Apr; 37(2):221

ENHANCEMENT OF GRAFTS, IMMUNOLOGIC see **GRAFT ENHANCEMENT, IMMUNOLOGIC**

ENKEPHALIN RECEPTORS see **RECEPTORS, ENDORPHIN**

ENKEPHALINS see under **ENDORPHINS**

ENNIATINS see under **ANTIBIOTICS**

ENOLASE see **PHOSPHOPYRUVATE HYDRATASE**

ENOXOLONE see **GLYCYRRHETINIC ACID**

ENOYL COA HYDRATASES see under **HYDRO-LYASES**

ENOYL COA REDUCTASES see **FATTY ACID DESATURASES**

ENRICHED FOOD see **FOOD, FORTIFIED**

ENTAMOEBA

ANALYSIS

Location on chitin in the cyst wall of Entamoeba invadens with colloidal gold tracers. Arroyo-Begovich A, et al. **J Parasitol** 1982 Apr;68(2):253–8

ENZYMOLOGY

A simple procedure for partial purification of an RNAase of Entamoeba invadens. Weller DL, et al. **Can J Microbiol** 1981 Aug;27(8):856–9
Isoelectric point and molecular weight of a diaphorase of Entamoeba invadens. Weller DL. **J Parasitol** 1982 Apr; 68(2):343–5
Electrophoretic isoenzyme patterns of Entamoeba histolytica and Entamoeba chattoni in a primate survey. Sargeaunt PG, et al. **J Protozool** 1982 Feb;29(1):136–9
Ribonuclease of Entamoeba invadens. Weller DL, et al. **Mol Biochem Parasitol** 1981 Nov;4(1–2):1–7

ISOLATION & PURIFICATION

Comparison of direct wet mount and trichrome staining techniques for detecting Entamoeba species trophozoites in stools. Gardner BB, et al. **J Clin Microbiol** 1980 Nov; 12(5):656–8
[Coproscopic detection of human parasites] Mazur T. **Wiad Parazytol** 1980;26(4–5):385–8 **(Pol)**

ENTAMOEBA HISTOLYTICA

ANALYSIS

Isolated Entamoeba histolytica actin does not inhibit DNAse-I activity. Gadasi H. **Biochem Biophys Res Commun** 1982 Jan 15;104(1):158–64

DRUG EFFECTS

Cholesterol induced changes in concanavalin A agglutinability of Entamoeba histolytica. Prasad AK, et al. **Indian J Exp Biol** 1981 Dec;19(12):1172–4
Inhibition of clonal growth of Giardia lamblia and Entamoeba histolytica by metronidazole, quinacrine, and other antimicrobial agents. Gillin FD, et al. **J Antimicrob Chemother** 1981 Oct;8(4):305–16
Susceptibility of Entamoeba histolytica to oxygen intermediates. Murray HW, et al. **Mol Biochem Parasitol** 1981 Oct;3(6):381–91

ENZYMOLOGY

Entamoeba histolytica: localization and characterization of ca2+-dependent nucleotidases. Takeuchi T, et al. **Int J Parasitol** 1981 Jun;11(3):209–15
The collagenase of Entamoeba histolytica. Muñoz ML, et al. **J Exp Med** 1982 Jan 1;155(1):42–51
Purification and properties of NADP-linked, alcohol dehydrogenase from Entamoeba histolytica. Lo HS, et al. **J Parasitol** 1982 Jun;68(3):372–7
Electrophoretic isoenzyme patterns of Entamoeba histolytica and Entamoeba chattoni in a primate survey. Sargeaunt PG, et al. **J Protozool** 1982 Feb;29(1):136–9
Biochemical homogeneity of Entamoeba histolytica isolates, especially those from liver abscess. Sargeaunt PG, et al. **Lancet** 1982 Jun 19;1(8286):1386–8
A calcium regulated adenosine triphosphatase in Entamoeba histolytica. McLaughlin J, et al. **Mol Biochem Parasitol** 1981 Oct;3(6):369–79
A zymodeme study of Entamoeba histolytica in a group of South African schoolchildren. Sargeaunt PG, et al. **Trans R Soc Trop Med Hyg** 1982;76(3):401–2

IMMUNOLOGY

Seroconversion to Entamoeba histolytica among short-term travelers to Mexico. Frachtman RL, et al. **Arch Intern Med** 1982 Jul;142(7):1299
Rapid diagnosis of amoebic liver abscess using Entamoeba histolytica antigen. Sharma P, et al. **Arch Invest Med (Mex)** 1981;12(4):553–7 **(Eng, Spa)**
Gel filtration pattern of axenic Entamoeba histolytica and characterization of immunological specificities of various fractions. Sehgal SC, et al. **Indian J Med Res** 1982 Jan; 75:28–32
In vitro amoebicidal activity of immune cells. Ghadirian E, et al. **Infect Immun** 1982 Apr;36(1):243–6
Adhesion of Entamoeba histolytica trophozoites to monolayers of human cells. Kobiler D, et al. **J Infect Dis** 1981 Dec;144(6):539–46
Mouse IgE response to an allergen from Entamoeba histolytica. Usawattanakul W, et al. **J Parasitol** 1982 Jun; 68(3):398–401
Dynamics of the interaction between Entamoeba histolytica and components of the immune response. III. Fate of antibodies after binding to the cell surface. Aust-Kettis A, et al. **Scand J Immunol** 1981;13(5):473–81
Indirect hemagglutination antibody titers for Entamoeba Histolytica in dried filter paper blood and sera. Cross JH, et al. **Southeast Asian J Trop Med Public Health** 1982 Mar; 13(1):69–72
Preliminary observations using a multi-layer ELISA method for the detection of Entamoeba histolytica trophozoite antigens in stool samples. Grundy MS. **Trans R Soc Trop Med Hyg** 1982;76(3):396–400
Quantification of amebae specific antibodies as 'Multiple of normal activity (MONA)' with a standardized enzyme immunoassay (EIA). Funke M, et al. **Zentral Bakteriol Mikrobiol Hyg [A]** 1981 Dec; 251(1):126–33
[Probable antigenic relation between Entamoeba histolytica and alpha-fetoprotein] García-Tamayo F, et al. **Bol Med Hosp Infant Mex** 1982 Mar;39(3):181–5 (Eng. Abstr.) **(Spa)**

ISOLATION & PURIFICATION

A study of intestinal protozoa including non-pathogenic Entamoeba histolytica from patients in a group of mental hospitals. Sargeaunt PG, et al. **Am J Public Health** 1982 Feb;72(2):178–80
Isolation and diagnostic cultivation of Entamoeba histolytica: a comparative study of two methods. Osisanya JO. **Med Lab Sci** 1981 Mar;38(2):139–41

METABOLISM

Lectin and toxin-like activities of Entamoeba histolytica: comparison of properties. Kobiler D, et al. **Am J Trop Med Hyg** 1981 Sep;30(5):955–9
Metronidazole metabolism in cultures of Entamoeba histolytica and Trichomonas vaginalis. Beaulieu BB Jr, et al. **Antimicrob Agents Chemother** 1981 Sep;20(3):410–4
A pathway for the interconversion of hexose and pentose in the parasitic amoeba Entamoeba histolytica. Susskind BM, et al. **Biochem J** 1982 Apr 15;204(1):191–9
Glucose dissimilation in Entamoeba histolytica. Lo HS. **Chung Hua Min Kuo Wei Sheng Wu Chi Mien I Hsueh Tsa Chih** 1981 Sep;14(3):173–8

MICROBIOLOGY

Attachment and ingestion of bacteria by trophozoites of Entamoeba histolytica. Bracha R, et al. **Infect Immun** 1982 Apr;36(1):396–406

PATHOGENICITY

A preliminary study on the pathogenicity of axenically grown Entamoeba histolytica for the golden hamster. Rai GP, et al. **Aust J Exp Biol Med Sci** 1982 Feb;60(Pt 1):97–9
Role of adherence in cytopathogenic mechanisms of Entamoeba histolytica. Study with mammalian tissue culture cells and human erythrocytes. Ravdin JI, et al. **J Clin Invest** 1981 Nov;68(5):1305–13
Effect of ion channel inhibitors on the cytopathogenicity of Entamoeba histolytica. Ravdin JI, et al. **J Infect Dis** 1982 Sep;146(3):335–40

PHYSIOLOGY

Adhesion of Entamoeba histolytica trophozoites to human erythrocytes. López-Revilla R, et al. **Infect Immun** 1982 Jul;37(1):281–5
Use of indomethacin to demonstrate enterotoxic activity in extracts of Entamoeba histolytica trophozoites. Udezulu IA, et al. **Infect Immun** 1982 May;36(2):795–801

ULTRASTRUCTURE

Ultrastructure of Entamoeba histolytica. A 96 hours old culture of an autochthonous strain. Silard R, et al. **Arch Roum Pathol Exp Microbiol** 1982 Jan-Mar; 41(1):47–59
Comparative electron microscopic study of an imported pathogenic strain and an autochthonous nonpathogenic strain of E. histolytica with particular reference of nuclear inclusions. Silard R, et al. **Arch Roum Pathol Exp Microbiol** 1981 Oct-Dec; 40(4):341–51

ENTAMOEBIASIS see under **AMEBIASIS**

ENTAMOEBIASIS, HEPATIC see **LIVER ABSCESS, AMEBIC**

ENTAMOEBIASIS, INTESTINAL see **DYSENTERY, AMEBIC**

ENTERAL FEEDING

see related
FOOD, FORMULATED

2nd European Congress on Parenteral and Enteral Nutrition, Newcastle upon Tyne, September 7–10, 1980. **Acta Chir Scand [Suppl]** 1981;507:1–484
The role of enteral nutrition in malignant disease. Dickerson JW. **Acta Chir Scand [Suppl]** 1981;507:422–7
Choice of methods; enteral or parenteral nutrition? Lee HA. **Acta Chir Scand [Suppl]** 1981;507:181–90
Enteral nutrition in chronic liver disease. Morgan MY. **Acta Chir Scand [Suppl]** 1981;507:81–90
Malnutrition in liver disease and its relationship to hepatic encephalopathy. Silk DB. **Acta Chir Scand [Suppl]** 1981; 507:106–11
Tissue storage of vitamins A and E in rats drinking or infused with total parenteral nutrition solutions. McKenna MC, et al. **Am J Clin Nutr** 1982 May;35(5):1010–7
Effects of prolonged, purine-free total parenteral and enteral nutrition on urate homeostasis in man. Morichau-Beauchant M, et al. **Am J Clin Nutr** 1982 May; 35(5):997–1002
Enteral hyperalimentation in undernourished patients with cirrhosis and ascites. Smith J, et al. **Am J Clin Nutr** 1982 Jan;35(1):56–72
Serial serum zinc levels in preterm infants during parenteral and enteral feedings. Vileisis RA, et al. **Am J Clin Nutr** 1981 Dec;34(12):2653–7
Pathogenetic aspects of hepatitis A virus infection in enterally inoculated marmosets. Krawczynski KK, et al. **Am J Clin Pathol** 1981 Nov;76(5):698–706
Continuous enteral feedings. An important adjunct to the management of complex congenital heart disease. Vanderhoof JA, et al. **Am J Dis Child** 1982 Sep;

136(9):825-7

Long-term enteral hyperalimentation in the pregnant women with insulin-dependent diabetes: a report of two cases. Smith CV, et al. **Am J Obstet Gynecol** 1981 Sep 15; 141(2):180-3

Nutrition in head and neck surgery. Mundy JC, et al. **Am J Otolaryngol** 1982 Jan-Feb;3(1):41-7

Feeding gastrostomy: complications and mortality. Wasiljew BK, et al. **Am J Surg** 1982 Feb;143(2):194-5

Early postoperative jejunal feeding of elemental diet in gastrointestinal surgery. Ryan JA Jr, et al. **Am Surg** 1981 Sep;47(9):393-403

The superior feeding gastrostomy. Swartzendruber FD, et al. **Am Surg** 1982 Jun;48(6):276-8

Feeding gastrostomy: a reappraisal. Wilkinson WA, et al. **Am Surg** 1982 Jun;48(6):273-5

Deane endotracheal tube hazard [letter] Coroneos NJ. **Anaesth Intensive Care** 1982 May;10(2):170

Necrotising enterocolitis in the very low birthweight infant: expressed breast milk feeding compared with parenteral feeding. Eyal F, et al. **Arch Dis Child** 1982 Apr;57(4):274-6

Nutritional support and the cancer patient: 1982. Thomas RJ. **Aust NZ J Surg** 1982 Aug;52(4):347-9

Plasma amino acid patterns, one and two hours after continuous naso-gastric alimentation of low birth weight infants fed two types of milk during the first month of life. Pardou A, et al. **Biol Neonate** 1982;41(1-2):57-62

'Home brew' compared with commercial preparation for enteral feeding. **Br Med J [Clin Res]** 1982 Mar 27; 284(6320):981-2

'Home brew' compared with commercial preparation for enteral feeding [letter] **Br Med J [Clin Res]** 1982 Mar 6; 284(6317):741

Feeding jejunostomy under local anesthesia. Freeman JB, et al. **Can J Surg** 1981 Sep;24(5):511

Hyperalimentation in the undernourished cancer patient. Nixon DW. **Cancer Res** 1982;42(2 Suppl):727s-728s

Enteral versus parenteral nutritional support in cancer patients. Lawson DH, et al. **Cancer Treat Rep** 1981;65 Suppl 5:101-6

Glycogen storage disease: long-term follow-up of nocturnal intragastric feeding. Michels VV, et al. **Clin Genet** 1982 Feb;21(2):136-40

Intensified nutrition as an adjunct to cytotoxic chemotherapy in gynaecological cancer patients. Nuutinen LS, et al. **Clin Oncol** 1982 Jun;8(2):107-12

Calculator assisted monitoring of nutrition, fluids, and electrolytes. Neu J, et al. **Crit Care Med** 1982 Jul; 10(7):461-2

Effects of enteral vs. parenteral feeding of malnourished rats on body composition. Kudsk KA, et al. **Curr Surg** 1981 Sep-Oct;38(5):322-3

Cardiovascular effects of nasogastric tube feeding in the healthy preterm infant. Mukhtar AI, et al. **Early Hum Dev** 1982 Jan;6(1):25-30

Ethical conflicts in long-term care of aged patients: analysis of the tube-feeding decision by means of a teleological ethical model. Bexell G, et al. **Ethics Sci Med** 1980; 7(3-4):141-5

Tracheal tube obstruction [letter] Priem L, et al. **Heart Lung** 1982 May-Jun;11(3):285

Hazards of naso-enteric feeds [letter] Simmons NA. **J Hosp Infect** 1981 Sep;2(3):276-8

Infant gastrostomy and chronic formula infusion as a technique to overfeed and accelerate weight gain of neonatal rats. West DB, et al. **J Nutr** 1982 Jul; 112(7):1339-43

Resolution of the need for continuous nocturnal feeding in a patient with severe type I glycogen storage disease. Greene HL, et al. **J Pediatr** 1981 Oct;99(4):602-5

Enteral parenteral nutrition in the care of the cancer patient. DeWys WD, et al. **JAMA** 1981 Oct 9;246(15):1725-7

A primate model for enteral nutrition by tube. Barot LR, et al. **JPEN** 1982 Jan-Feb;6(1):34-8

Long-term nutritional support as an adjunct to chemotherapy for breast cancer. Elkort RJ, et al. **JPEN** 1981 Sep-Oct; 5(5):385-90

Bacterial safety of reconstituted continuous drip tube feeding. Hostetler C, et al. **JPEN** 1982 May-Jun;6(3):232-5

Oral correction of essential fatty acid deficiency in cystic fibrosis. Landon C, et al. **JPEN** 1981 Nov-Dec;5(6):501-4

Continuous elemental enteral alimentation in the treatment of children and adolescents with Crohn's disease. Morin CL, et al. **JPEN** 1982 May-Jun;6(3):194-9

Presidential address. Specialized nutrition support: the standard of care. Seltzer MH. **JPEN** 1982 May-Jun; 6(3):185-90

Enteral hyperalimentation in surgical patients. Yaqin H. **JPMA** 1981 Sep;31(9):191-2

New preparations of the elemental diet and the clinical application. Ogoshi S, et al. **Jpn J Surg** 1981;11(5):391-7 (24 ref.)

Tubed enteral nutrition as practiced in a community hospital. Gerace CA, et al. **Ohio State Med J** 1982 Mar;78(3):211-6

Nutritional support for the patient undergoing head and neck surgery. McRae RG, et al. **Otolaryngol Clin North Am** 1981 May;14(2):301-16 (47 ref.)

Intragastric feeding in type I glycogen storage disease: factors affecting the control of lactic acidemia. Stanley CA, et al. **Pediatr Res** 1981 Dec;15(12):1504-8

Nonnutritive sucking during tube feedings: effects on preterm neonates in an intensive care unit. Field T, et al. **Pediatrics** 1982 Sep;70(3):381-4

Artificial rearing of preweanling rats: the effectiveness of direct intragastric feeding. Diaz J, et al. **Physiol Behav** 1981 Dec;27(6):1103-5

Nutrition in trauma and burns. Kudsk KA, et al. **Surg Clin North Am** 1982 Feb;62(1):183-92

A rationale for enteral feeding as the preferable route for hyperalimentation. McArdle AH, et al. **Surgery** 1981 Oct; 90(4):616-23

Hyperalimentation in cancer. Karlberg HI, et al. **West J Med** 1982 May;136(5):390-7 (90 ref.)

[Experience with Nutramin pulvis Spofa] Vavroš B. **Vnitr Lek** 1982 Feb;28(2):189-91 (Cze)

[Effect of constant rate enteral nutrition on gastrin secretion in children (author's transl)]] Bonardi JM, et al. **Arch Fr Pediatr** 1981 Dec;38 Suppl 1:853-5 (Eng. Abstr.) (Fre)

[2d Symposium of the French Society of Enteral and Parenteral Nutrition. Marseilles, 3-4 December 1981. Abstracts] **Gastroenterol Clin Biol** 1982 Apr;6(4):392-402 (Fre)

[The role of enteral and parenteral feeding in cancer therapy] Merkle NM. **Fortschr Med** 1982 Apr 8;100(13):566-70 (Eng. Abstr.) (Ger)

[Trials with the native physiological tube-feeding diet Nutro-Drip after maxillofacial operations] Lange H, et al. **Infusionsther Klin Ernahr** 1981 Dec;8(6):291-301 (Eng. Abstr.) (Ger)

[Comparison between total parenteral nutrition and enteral nutrition in 2 cases of total gastrectomy for ingestion of caustics] Mingolla F, et al. **Minerva Med** 1982 May 12; 73(20):1391-6 (Ita)

[Clinical application of Ensure in surgical fields (author's transl)] Saito T, et al. **Nippon Geka Hokan** 1981 Jul 1; 50(4):611-8 (Eng. Abstr.) (Jpn)

[Enteral nutrition for liver failure] Hayashi S, et al. **Nippon Rinsho** 1982;40(4):824-30 (Jpn)

[A case of gastrojejunocolic fistula improved by elemental diet (author's transl)] Kano T, et al. **Nippon Shokakibyo Gakkai Zasshi** 1982 Apr;79(4):978-82 (Jpn)

[Use of synthetic nutrients in postoperative enteral hyperalimentation and in the treatment of digestive tract fistulas] Jonecko A, et al. **Wiad Lek** 1981 Oct 1; 34(19):1599-605 (Eng. Abstr.) (Pol)

[Tube feeding after surgery for acute intestinal obstruction] Umeshev NS, et al. **Khirurgiia (Mosk)** 1981 Aug;(8):29-33 (Eng. Abstr.) (Rus)

[Lipid fatty acid composition of the blood and organs in experimental and enteral feeding] Stoianova VG, et al. **Vopr Pitan** 1982 Mar-Apr;(2):35-9 (Eng. Abstr.) (Rus)

ADVERSE EFFECTS

Pneumatosis intestinalis associated with intracatheter jejunostomy feeding. Strain JD, et al. **AJR** 1982 Jul; 139(1):107-9

'Isocal pneumonia' with respiratory failure [letter] Muthuswamy PP, et al. **Chest** 1982 Mar;81(3):390

Metabolic abnormalities in patients supported with enteral tube feeding. Vanlandingham S, et al. **JPEN** 1981; 5(4):322-4

Pyloric stenosis in premature infants after transpyloric feeding [letter] Evans NJ. **Lancet** 1982 Sep 18;2(8299):665

[Gastro-intestinal disorders in premature neonates receiving early enteral feeding (author's transl)] Chantepie A, et al. **Arch Fr Pediatr** 1982 Feb;39(2):85-9 (Eng. Abstr.) (Fre)

[Perforating cranio-cerebral trauma as a complication of a nasogastric feeding tube (author's transl)] Stolke D, et al. **Anasth Intensivther Notfallmed** 1982 Apr;17(2):104-5 (Ger)

[Folate deficiency occurred during the tube feeding (author's transl)] Fukayama M, et al. **Nippon Ronen Igakkai Zasshi** 1981 Nov;18(6):450-5 (Eng. Abstr.) (Jpn)

INSTRUMENTATION

Fine bore tube feeding. Allison SP. **Acta Chir Scand [Suppl]** 1981;507:389-93

Enteral feeds and delivery systems. Brown J. **Br J Hosp Med** 1981 Aug;26(2):168, 171-5

Nutritional support: formulas and delivery of enteral feeding. II. Delivery systems. Chernoff R. **J Am Diet Assoc** 1981 Oct;79(4):430-2

Employment of a mobile infusion system for continuous ambulatory tube feeding. Kien GL. **JPEN** 1981 Nov-Dec; 5(6):526-7

Sustained flexibility in infant feeding tubes containing nonmigrating plasticizer. Pereira GR, et al. **JPEN** 1982 Jan-Feb;6(1):64-7

Enteral nutritional support: guidelines for feeding tube selection and placement. Gordon AM Jr. **Postgrad Med** 1981 Nov;70(5):155-62

Barium feeder for babies - another approach. Morris M. **Radiography** 1982 Mar;48(567):59

A tube for enteral nutrition of patients with aphagopraxia and patients with ventilator assistance. Cobb LM, et al. **Surg Gynecol Obstet** 1982 Jul;155(1):81-4

[Needle catheter jejunostomy. An improved technique for enteral feeding (author's transl)] Fingerhut A, et al. **Nouv Presse Med** 1982 Jun 19;11(29):2221-3 (Eng. Abstr.) (Fre)

[Clinical experiences with a standardized balanced diet in maxillo-facial surgery] Bünger B. **Infusionsther Klin Ernahr** 1981 Aug;8(4):184-8 (Eng. Abstr.) (Ger)

[Nutromat-Pfrimmer, a new transporting system for the enteral nutrition therapy of tumor patients before, during and after radiotherapy (author's transl)] Thiel HJ. **Strahlentherapie** 1982 Mar;158(3):165-7 (Eng. Abstr.) (Ger)

[Enteral nutrition through naso-jejunal intubation. Presentation of a new tube made of silicone rubber] Faintuch J, et al. **Rev Hosp Clin Fac Med Sao Paulo** 1981 Aug;36(4):158-61 (Eng. Abstr.) (Por)

[Feeding device for patients with injuries and diseases of the maxillofacial area] Slepchenko MA, et al. **Med Tekh** 1981 Jul-Aug;(4):46-7 (Rus)

METHODS

Parenteral and enteral nutrition: computers and prescribing. Shearing G. **Acta Chir Scand [Suppl]** 1981;507:356-63

Enteric alimentation in specialized gastrointestinal problems: an alternative to total parenteral nutrition. Lake AM, et al. **Adv Pediatr** 1981;28:319-39 (38 ref.)

Home enteral and parenteral nutritional support: a comparison. Chrysomilides SA, et al. **Am J Clin Nutr** 1981 Oct;34(10):2271-5

Nasogastric tube feeding at home in gastroenterological pediatric practice [letter] Navarro J, et al. **Am J Clin Nutr** 1982 Feb;35(2):408-9

A technique of anchoring a catheter in a feeding gastrostomy. Collure DW. **Am J Surg** 1982 Sep;144(3):370

Modification of the needle-catheter jejunostomy. Feldtman R, et al. **Am J Surg** 1982 Mar;143(3):389-90

Nonoperative conversion of tube gastrostomy to feeding jejunostomy. Salky B, et al. **Am J Surg** 1982 Mar; 143(3):387-8

Effect of posture on gastro-oesophageal reflux in the newborn. Blumenthal I, et al. **Arch Dis Child** 1982 Jul; 57(7):555-6

Poor weight gain of the low birthweight infant fed nasojejunally. Whitfield MF. **Arch Dis Child** 1982 Aug; 57(8):597-601

Feeding jejunostomy in patients with neurologic disorders. Matino JJ. **Arch Surg** 1981 Feb;116(2):169-71

'Home brew' compared with commercial preparation for enteral feeding. Keighley MR, et al. **Br Med J [Clin Res]** 1982 Jan 16;284(6310):163

Feeding stomas: gastrostomy and jejunostomy. Gasson JE. **Clin Gastroenterol** 1982 May;11(2):337-44

Effective early postoperative nutrition by defined formula diet via needle-catheter jejunostomy. Ballon SC. **Gynecol Oncol** 1982 Aug;14(1):23-32

Nutritional support: formulas and delivery of enteral feeding. I. Enteral formulas. Chernoff R. **J Am Diet Assoc** 1981 Oct;79(4):426-9

A comparison of two methods of nasogastric tube feedings. Taylor TT. **J Neurosurg Nurs** 1982 Feb;14(1):49-55

Computer applications to medical nutrition problems. Danford DE. **JPEN** 1981 Sep-Oct;5(5):441-6

A simple modification of the intermittent gavage feeding technique in low-birth-weight infants [letter] Lombardi G, et al. **Pediatrics** 1982 Sep;70(3):507-8

Transpyloric and intermittent gavage feeding [letter] Minoli I, et al. **Pediatrics** 1982 Jan;69(1):133

Enteral nutritional support: guidelines for feeding product selection. Gordon AM Jr. **Postgrad Med** 1982 Jul; 72(1):72-7, 80-2

An improved technique for feeding tube placement. Hatfield DR, et al. **Radiology** 1981 Dec;141(3):823

Nonoperative conversion of gastrostomy to feeding jejunostomy in children and adults. Mukherjee D, et al. **Surg Gynecol Obstet** 1982 Jun;154(6):881-2

[Needle jejunostomy as an access for feeding following an operation] Eeftinck Schattenkerk M, et al. **Ned Tijdschr Geneeskd** 1982 May 22;126(21):944-6 (Eng. Abstr.) (Dut)

[Continuous enteral feeding by nasoduodenal tube in premature infants with birth weight less than or equal to 1,200 g (author's transl)] Meunier G, et al. **Arch Fr Pediatr** 1982 Feb;39(2):79-83 (Eng. Abstr.) (Fre)

[Contribution of artificial feeding to the prevention of fistulae, anastomotic breakdowns, and eviscerations. Applications to diffuse postoperative peritonitis in eight cases (author's transl)] Joyeux H, et al. **J Chir (Paris)** 1982 Apr; 119(4):241-53 (Eng. Abstr.) (Fre)

[Minimal jejunostomy for feeding in digestive surgery] Marchand P, et al. **Med Chir Dig** 1981;10(7):579-81 (Eng. Abstr.) (Fre)

[Early jejunal catheter feeding in heavy gastrointestinal surgery (author's transl)] Olivero de Rubiana JP, et al. **Nouv Presse Med** 1982 Feb 6;11(6):447-9 (Eng. Abstr.) (Fre)

[Parenteral nutrition in surgery preparation in large intestinal diseases. Indication, procedure and results] Pfeiffer M, et al. **Infusionsther Klin Ernahr** 1982 Jun;9(3):146-8 (Eng. Abstr.) (Ger)

[Use of a high-protein enteral feeding preparation in digestive organ diseases] Lisovskiĭ VA, et al. **Voen Med Zh** 1981 Sep;(9):32-5 (Rus)

[Artificial nutrition. When? How? What?] Arenas Márquez H. **Rev Gastroenterol Mex** 1981 Jul-Sep;46(3):99-104 (Eng.

Abstr.) (Spa)
[Present state of artificial nutrition in Mexico] Ize Lamache L. **Rev Gastroenterol Mex** 1981 Jul-Sep;46(3):83-7 (Spa)

NURSING

Organising nutritional support. Tweedle DE.
Acta Chir Scand [Suppl] 1981;507:292-7
Feeding stoma: gastrostomy and jejunostomy. Part 2: Stoma care. Stevens PJ. **Clin Gastroenterol** 1982 May;11(2):345-50

STANDARDS

Microbial contamination of parenteral and enteral nutrition solutions. Allwood MC. **Acta Chir Scand [Suppl]** 1981; 507:383-7
Enteral nutrition by nasogastric tube in adult patients treated with intensive chemotherapy for acute leukemia. de Vries EG, et al. **Am J Clin Nutr** 1982 Jun;35(6):1490-6
A programable calculator system for the estimation of nutritional intake of hospital patients. Rich AJ.
Am J Clin Nutr 1981 Oct;34(10):2276-9
Gastrointestinal response to oral versus gastric feeding of defined formula diets. Young EA, et al.
Am J Clin Nutr 1982 Apr;35(4):715-26
Early postoperative nutritional support using the serosal tunnel jejunostomy. Cobb LM, et al. **JPEN** 1981 Sep-Oct; 5(5):397-401
Maillard reaction products in parenteral nutrition. Stegink LD, et al. **Prog Food Nutr Sci** 1981;5(1-6):265-78

ENTERAL HYPERALIMENTATION see **ENTERAL FEEDING**

ENTERIC FEVER see **TYPHOID**

ENTERIC HORMONES see **GASTROINTESTINAL HORMONES**

ENTERITIS

COMPLICATIONS

Campylobacter enteritis in immune-deficient patients. Ahnen DJ, et al. **Ann Intern Med** 1982 Feb;96(2):187-8
Campylobacter jejuni enteritis and reactive arthritis. Short CD, et al. **Ann Rheum Dis** 1982 Jun;41(3):287-8
Campylobacter enteritis presenting with convulsions. Solomon NH, et al. **Clin Pediatr (Phila)** 1982 Feb; 21(2):118-9
Early enteritis, enterotoxins E. coli and seizure threshold. Elomaa E. **Monogr Neural Sci** 1981;5:32-3
[Pancreatic involvement associated with campylobacter enteritis] Pönkä A, et al. **Duodecim** 1981;97(15):1193-4 (Fin)
[The liver and bilary tract in inflammatory bowel disease (author's transl)] Pariente EA. **Gastroenterol Clin Biol** 1981 Dec;5(12):1120-31 (Eng. Abstr.) (Fre)
[Hepatitis caused by Campylobacter coli (author's transl)] Ampelas M, et al. **Nouv Presse Med** 1982 Feb 20; 11(8):593-5 (Eng. Abstr.) (Fre)
[Bacteraemia due to Campylobacter jejuni in enteritis (author's transl)] Sticht-Groh V, et al.
Dtsch Med Wochenschr 1982 Apr 2;107(13):500-1 (Eng. Abstr.) (Ger)
[Campylobacter gastroenteritis in infants (author's transl)] del Castillo Martin F, et al. **An Esp Pediatr** 1981 Jun; 14(6):431-5 (Eng. Abstr.) (Spa)
[Campylobacter neonatal enteritis (author's transl)] Omeñaca F, et al. **An Esp Pediatr** 1981 Jun;14(6):427-30 (Eng. Abstr.) (Spa)

DIAGNOSIS

Campylobacter enteritis mimicking acute abdominal emergency. Pönkä A, et al. **Acta Chir Scand** 1981; 147(8):663-6
Rapid diagnosis of campylobacter enteritis. Sazie ES, et al. **Ann Intern Med** 1982 Jan;96(1):62-3
Campylobacter infection mimicking a relapse of ulcerative colitis. Chandra L, et al. **Can Med Assoc J** 1982 Feb 15; 126(4):389-90
Campylobacter enteritis in infants and young children. Branski D, et al. **Isr J Med Sci** 1982 May;18(5):615-7
Seventy-three year old caucasian female with abdominal cramps and diarrhea. Rydberg M, et al. **SD J Med** 1981 Jul;34(7):5-9
Campylobacter enteritis in Singapore. Lam S.
Singapore Med J 1981 Jun;22(3):173-5
[Campylobacter jejuni infections] Kelbaek H, et al.
Ugeskr Laeger 1982 Feb 22;144(8):556-7 (Eng. Abstr.) (Dan)
[Infantile Campylobacter enteritis (author's transl)] Bosch C, et al. **Klin Padiatr** 1981 Sep;193(5):352-4 (Eng. Abstr.) (Ger)
[Yersinia infection can simulate acute appendicitis] Baier R, et al. **Med Klin** 1981 Aug 28;76(18):511-2 (Ger)
[Determination of intestinal enzymes in the diagnosis of chronic enterocolitis and intestinal enzymopathy] Valenkevich LN. **Klin Med (Mosk)** 1980 Jul;58(7):88-91 (Eng. Abstr.) (Rus)

DRUG THERAPY

Double-blind placebo controlled trial of erythromycin for treatment of Campylobacter enteritis. Anders BJ, et al. **Lancet** 1982 Jan 16;1(8264):131-2
Idiopathic obstructive eosinophilic enteritis with raised IgE: response to oral disodium cromoglycate. Gilinsky NH, et al. **Postgrad Med J** 1982 Apr;58(678):239-43

ENZYMOLOGY

[State of the small intestine in rabbits with salmonella infections] Semashko MI, et al. **Biull Eksp Biol Med** 1981 Dec;92(12):674-7 (Eng. Abstr.) (Rus)

ETIOLOGY

On enteropathogenic bovine coronavirus. Storz J, et al.
Adv Exp Med Biol 1981;142:171-9
Human intestinal sarcosporidiosis: report of six cases. Bunyaratvej S, et al. **Am J Trop Med Hyg** 1982 Jan; 31(1):36-41
Intestinal bypass enteritis causing pneumoperitoneum, pneumopericardium, and cervical emphysema. Herrington JL Jr. **Am Surg** 1982 Jun;48(6):279-81
Campylobacter enteritis in Iceland [letter] Steingrimsson O, et al. **Ann Intern Med** 1982 Aug;97(2):283-4
Campylobacter Enteritis. Butzler JP. **Infection** 1982;10 Suppl 2:S67-9
Plasma prostaglandin levels in radiation-induced enteritis. Lifshitz S, et al. **Int J Radiat Oncol Biol Phys** 1982 Feb; 8(2):275-7
Campylobacter enteritis associated with the consumption of free school milk. Jones PH, et al. **J Hyg (Lond)** 1981 Oct; 87(2):155-62
Campylobacter enteritis associated with a healthy cat. Blaser MJ, et al. **JAMA** 1982 Feb 12;247(6):816
Coxsackie enteritis after bone marrow transplantation [letter] Pinkerton CR. **Lancet** 1982 Jun 12;1(8285):1364-5
Current management of fungal enteritis. Chretien JH, et al. **Med Clin North Am** 1982 May;66(3):675-87 (34 ref.)
Yersinia enteritis. Vantrappen G, et al.
Med Clin North Am 1982 May;66(3):639-53 (46 ref.)
Cytomegalovirus encephalitis in children. Căluşer IT, et al. **Morphol Embryol (Bucur)** 1982 Jan-Mar;28(1):21-3
Campylobacter enteritis. Blaser MJ, et al. **N Engl J Med** 1981 Dec 10;305(24):1444-52 (107 ref.)
Experimental enteritis in cynomolgus monkeys produced by intragastric administration of Salmonella typhimurium. Katsube Y, et al. **Nippon Juigaku Zasshi** 1982 Apr; 44(2):325-33
Campylobacter enteritis in Denver. Blaser MJ, et al.
West J Med 1982 Apr;136(4):287-90
[Campylobacter enteritis: a new disease (author's transl)] Butzler JP. **Acta Gastroenterol Belg** 1981 Jul-Aug; 44(7-8):301-7 (Eng. Abstr.) (Fre)
[Infections due to anaerobic bacteria after abdominal surgery. Concerning thirty-five cases (author's transl)] Delalande JP, et al. **Sem Hop Paris** 1981 Nov 8-25;57(41-42):1699-703 (Eng. Abstr.) (Fre)
[Clinical aspects of Campylobacter enteritis] Rögler G, et al. **MMW** 1982 Feb 12;124(6):117-9 (Ger)
[Recent knowledge and current questions on the problems of intestinal infections] Karolcek J, et al.
Z Gesamte Hyg 1981 Oct;27(10):755-61 (Eng. Abstr.) (Ger)
[Campylobacter enteritis in infancy] Gellért M, et al.
Orv Hetil 1982 Feb 21;123(8):457-8 (Hun)
[Etiological role of enterococci in intestinal infections of children] Sedov VI. **Pediatriia** 1981 Sep;(9):71-4 (Rus)
[Campylobacter epidemiology - 3 epidemics caused by food contamination] Billgren M, et al. **Lakartidningen** 1982 Apr 28;79(17):1676-7 (Swe)

IMMUNOLOGY

Cryptosporidial enteritis without general or selective immune deficiency. Fletcher A, et al. **Br Med J [Clin Res]** 1982 Jul 3;285(6334):22-3
Clinical and serological studies in patients with Campylobacter fetus ssp. jejuni infection: II. Serological findings. Kosunen TU, et al. **Infection** 1981;9(6):279-82
[Specific activity of fecal IgAs antibodies in infants with primary enteritis or secondary dyspepsia] Voiculescu C, et al. **Rev Ig [Bacteriol]** 1981 Jul-Sep;26(3):183-90 (Rum)

METABOLISM

[Experimental study of the development of the diarrhea syndrome using gas-liquid chromatography] Linberg LF, et al. **Biull Eksp Biol Med** 1981 Dec;92(12):683-6 (Eng. Abstr.) (Rus)

MICROBIOLOGY

Isolation of Yersinia enterocolitica from children during an outbreak of enteritis. Giraldi V, et al.
Ann Ist Super Sanita 1981;17(2):163-9
First isolation in Ferrara (Italy) of Yersinia enterocolitica from stools in a case of infantile enteritis [letter] Bucci G, et al. **Boll Ist Sieroter Milan** 1981;60(4):331-2
Campylobacter as a cause of acute enteritis in children in South Australia. II. Clinical comparison with salmonella, rotavirus and non-specific enteritis. Kirubakaran C, et al. **Med J Aust** 1981 Oct 3;2(7):336-7
Campylobacter as a cause of acute enteritis in children in South Australia. I. A 12-month study with controls. Kirubakaran C, et al. **Med J Aust** 1981 Oct 3;2(7):333-5
Hemorrhagic enteritis and nonsuppurative myocarditis caused by canine parvovirus. Wilhelmsen CL.
Milit Med 1982 Mar;147(3):231, 236-7
[Controlled postpenicillin enterocolitis in guinea pigs caused by E. coli W1655 F+] Mitov I, et al.
Acta Microbiol Bulg 1980;6:31-5 (Eng. Abstr.) (Bul)
[Bacteriological findings in the upper gastrointestinal tract of children] Klimmt G, et al. **Kinderarztl Prax** 1981 Sep; 49(9):466-73 (Eng. Abstr.) (Ger)
[Herpesvirus enteritis in kittens] Waber S, et al.
Schweiz Arch Tierheilkd 1981 Aug;123(8):435-9 (Ger)
[Enteritis caused by Campylobacter fetus in Navarre] Dorronsoro I, et al. **Rev Med Univ Navarra** 1982 Mar; 26(1):47-9 (Eng. Abstr.) (Spa)

OCCURRENCE

Outbreak of Campylobacter enteritis due to consumption of raw milk. McNaughton RD, et al. **Can Med Assoc J** 1982 Mar 15;126(6):657-8
Epidemiological aspects of Campylobacter jejuni enteritis. Norkrans G, et al. **J Hyg (Lond)** 1982 Aug;89(1):163-70
Epidemiology of campylobacter enteritis. Walder M.
Scand J Infect Dis 1982;14(1):27-33
[Campylobacter-enteritis in children (author's transl)] Holländer R. **Monatsschr Kinderheilkd** 1981 Oct; 129(10):581-4 (Eng. Abstr.) (Ger)

PATHOLOGY

Campylobacter enteritis: a study of clinical features and rectal mucosal changes. McKendrick MW, et al.
Scand J Infect Dis 1982;14(1):35-8
[Comparative study of the ultrastructure of small intestine enterocytes and microvessels in germ-free and ordinary guinea pigs infected with E. coli-005] Kranchev AK.
Patol Fiziol Eksp Ter 1981 May-Jun;(3):35-42 (Eng. Abstr.) (Rus)
[State of the duodenal and jejunal endocrine system in chronic duodenitis and enteritis in childhood] Paĭkov VL, et al. **Pediatriia** 1981 Dec;(12):18-21 (Eng. Abstr.) (Rus)

PHYSIOPATHOLOGY

The effects of host sex on enteric response to infection with Trichinella spiralis. Charniga L, et al. **J Parasitol** 1981 Dec; 67(6):917-22
[Digestion and absorption of protein in the small intestine of children with chronic intestinal diseases] Paĭkov VL. **Pediatriia** 1982 May;(5):12-4 (Rus)

RADIOGRAPHY

Radiology in Idiopathic chronic ulcerative enteritis. Lamont CM, et al. **Clin Radiol** 1982 May 3;33(3):283-7
[Radiological appearance of neoplastic and inflammatory changes of the small intestine. A case report (author's transl)] Trüber E, et al. **Radiologe** 1981 Aug;21(8):377-80 (Eng. Abstr.) (Ger)

SURGERY

Coping with a stoma - a comparative study of patients with rectal carcinoma of inflammatory bowel diseases. Küchenhoff J, et al. **Psychother Psychosom** 1981; 36(2):98-104
[Extensive resection of the small intestine following mesenteric embolism] Kausz I. **Orv Hetil** 1982 Mar 14; 123(11):679-80 (Hun)

THERAPY

A double-blind comparison of two different treatments for acute enteritis in adults. Camarri E, et al. **Chemotherapy** 1981;27(6):466-70
[A new therapeutic alternative for the treatment of enteritis--controlled double-blind tests with the strain SF 68] Bruno F, et al. **Praxis** 1981 Sep 22;70(39):1717-20 (Eng. Abstr.) (Ger)
[Treatment effectiveness in chronic enterocolitis at the Poliana and Soima spas] Kirtich LP. **Vrach Delo** 1982 May; (5):88-91 (Rus)

VETERINARY

Polypeptide structure of bovine enteritic coronavirus: comparison between a wild strain purified from feces and a HRT 18 cell adapted strain. Laporte J, et al.
Adv Exp Med Biol 1981;142:181-4
Adenovirus enteritis in pigs. Coussement W, et al.
Am J Vet Res 1981 Nov;42(11):1905-11
Experimental infection of conventional dogs with canine parvovirus. McAdaragh JP, et al. **Am J Vet Res** 1982 Apr; 43(4):693-6
In vitro evaluation of B-lymphocyte function in turkeys infected with hemorrhagic enteritis virus. Nagaraja KV, et al. **Am J Vet Res** 1982 Mar;43(3):502-4
Haemorrhagic enteritis syndrome of turkeys [letter] Tham VL, et al. **Aust Vet J** 1981 Jul;57(7):353-4
Enteritis in foals induced by rotavirus and enterotoxigenic Escherichia coli. Tzipori S, et al. **Aust Vet J** 1982 Jan; 58(1):20-3
Trematode (Sphaeridiotrema globulus)-induced ulcerative hemorrhagic enteritis in wild mute swans (Cygnus olor). Roscoe DE, et al. **Avian Dis** 1982 Jan-Mar;26(1):214-24

Clostridium perfringens type C enteritis in a Quebec swine herd [letter] Morin M, et al. **Can Vet J** 1981 Mar;22(3):58
Radiographic appearance of canine parvovirus enteritis. Farrow CS. **J Am Vet Med Assoc** 1982 Jan 1;180(1):43–7
Parvovirus–distemper relationship [letter] Rottman WL, et al. **J Am Vet Med Assoc** 1981 Aug 15;179(4):318–9
Eosinophilic enteritis in the dog: a case report with a brief review of the literature. Quigley PJ, et al. **J Comp Pathol** 1981 Jul;91(3):387–92
The rôle of dogs and cats in the epidemiology of human campylobacter enterocolitis. Holt PE. **J Small Anim Pract** 1981 Oct;22(10):681–5
Salmonella livingstone salmonellosis in laboratory mice: successful containment and treatment of the disease. Simpson W, et al. **Lab Anim** 1981 Jul;15(3):261–2
Diagnostic exercise: ulcerative stomatitis ('mouth rot') and enteritis associated with maladaptation syndrome. Parker GA, et al. **Lab Anim Sci** 1981 Aug;31(4):353–5
Enteritis due to feline infectious peritonitis virus. Hayashi T, et al. **Nippon Juigaku Zasshi** 1982 Feb;44(1):97–106
Virginiamycin effects on controlling necrotic enteritis infection in chickens. George BA, et al. **Poult Sci** 1982 Mar;61(3):447–50
Pathology of experimental CV777 coronavirus enteritis in piglets. I. Histological and histochemical study. Coussement W, et al. **Vet Pathol** 1982 Jan;19(1):46–56
Sequential pathological study of experimental porcine adenovirus enteritis. Ducatelle R, et al. **Vet Pathol** 1982 Mar;19(2):179–89
Pathology of experimental CV777 coronavirus enteritis in piglets. II. Electron microscopic study. Ducatelle R, et al. **Vet Pathol** 1982 Jan;19(1):57–66
Histiocytic enteritis of rabbits. Umemura T, et al. **Vet Pathol** 1982 May;19(3):326–9
Production of enteritis in calves by the oral inoculation of pure cultures of Campylobacter fecalis. Al-Mashat RR, et al. **Vet Rec** 1981 Aug 1;109(5):97–101
Canine parvovirus infection in housed raccoon dogs and foxes in Finland. Neuvonen E, et al. **Vet Rec** 1982 May 8;110(19):448–9
Canine parvovirus infection in Australia during 1980. Sabine M, et al. **Vet Rec** 1982 Jun 12;110(23):551–3
A re-examination of the role of Campylobacter fetus subspecies coli in enteric disease of the pig. Taylor DJ, et al. **Vet Rec** 1981 Aug 8;109(6):112–5
Campylobacter enteritis in dogs and cats: a 'new' zoonosis. Skirrow MB. **Vet Res Commun** 1981 Sep;5(1):13–9 (30 ref.)
[Acute viral enteritis in dogs] Jelinek F. **Cesk Patol** 1982 May;18(2):74–80 (Eng. Abstr.) **(Cze)**
[Parvovirus enteritis and myocarditis in a confined colony of beagles. (The 1st detection of parvovirus infection in Czechoslovakia] Vortel V, et al. **Cesk Patol** 1982 May; 18(2):65–73 (Eng. Abstr.) **(Cze)**
[Electron microscopy of parvoviruses and rotaviruses in canine enteritis] Valíček L, et al. **Vet Med (Praha)** 1981 Nov;26(11):691–4 (Eng. Abstr.) **(Cze)**
[Infectious Escherichia coli enteritis in calves on a ranch in Mali] Planchenault D, et al. **Rev Elev Med Vet Pays Trop** 1981;34(2):135–7 (Eng. Abstr.) **(Fre)**
[Rapid serologic diagnosis of canine parvo-virus enteritis by the demonstration of virus-specific IgM antibodies (author's transl)] Maess J, et al. **DTW** 1982 Apr 6; 89(4):152–5 (Eng. Abstr.) **(Ger)**

ENTERITIS, GRANULOMATOUS see **CROHN DISEASE**

ENTERITIS, INFECTIOUS, OF MINK see **FELINE INFECTIOUS ENTERITIS**

ENTERITIS, REGIONAL see **CROHN DISEASE**

ENTERITIS, TRANSMISSIBLE, OF TURKEYS

IMMUNOLOGY

In vitro depression of the mitogenic response of lymphocytes from turkeys infected with hemorrhagic enteritis virus. Nagaraja KV, et al. **Am J Vet Res** 1982 Jan;43(1):134–6
Immunofluorescence studies on the early pathogenesis of hemorrhagic enteritis virus infection in turkeys and chickens. Fasina SO, et al. **Avian Dis** 1982 Jan–Mar; 26(1):158–63

ENTERITIS VIRUS, TURKEY see under **CORONAVIRIDAE**

ENTEROBACTER see under **ENTEROBACTERIACEAE**

ENTEROBACTERIACEAE

Proliferation of enteropathogens in oral rehydration solutions prepared with river water from Honduras and Surinam. Black RE, et al. **J Trop Med Hyg** 1981 Oct;84(5):195–7
Effects of bacterial endotoxin inhalation. Snella MC. **Rev Epidemiol Sante Publique** 1981;29(2):209–16
Enterobacter cloacae: bacteremia, epidemiology, and antibiotic resistance. John JF Jr, et al. **Rev Infect Dis** 1982 Jan–Feb;4(1):13–28
[Detection of coliforms, fecal coliforms and E. coli in water] Stelzer W, et al. **Z Gesamte Hyg** 1982;28(1):49–55 (Eng. Abstr.) **(Ger)**
[History of the study of the family Enterobacteriaceae in the Ukrainian SSR] Diachenko SS. **Mikrobiol Zh** 1982 Jan–Feb;44(1):95–9 **(Rus)**
[Change in the logically incorrectly named family Enterobacteriaceae to Enterobacteraceae accepted by the Judicial Commission of the International Nomenclature Committee] Khomenko NA. **Zh Mikrobiol Epidemiol Immunobiol** 1982 Mar;(3):113–4 **(Rus)**

ANALYSIS

A rapid single colony lysate method for the selective visualization of plasmids in Enterobacteriaceae, including Serratia marcescens. Bidwell JL, et al. **J Antimicrob Chemother** 1981 Dec;8(6):481–5
A note on the separation of natural mixtures of bacterial ubiquinones using reverse-phase partition thin-layer chromatography and high performance liquid chromatography. Collins MD, et al. **J Appl Bacteriol** 1981 Aug;51(1):129–34
Endotoxins of Gram-negative bacteria. Lüderitz O, et al. **Pharmacol Ther** 1981;15(3):383–402

CLASSIFICATION

A rapid, simple and reliable test for the routine identification of urease producing gram-negative bacteria. Lee JS, et al. **Ann Acad Med Singapore** 1982 Jan;11(1):94–7
The identification of Enterobacteriaceae from breweries: combined use and comparison of API 20E system, gel electrophoresis of proteins and gas chromatography of volatile metabolites. van Vuuren HJ, et al. **J Appl Bacteriol** 1981 Aug;51(1):51–65
Accuracy and precision of the autobac system for rapid identification of Gram-negative bacilli: a collaborative evaluation. Barry AL, et al. **J Clin Microbiol** 1982 Jun; 15(6):1111–9
Sensitivity, specificity, and reproducibility of the automicrobic system (with the Enterobacteriaceae-plus biochemical card) for identifying clinical isolates of Gram-negative bacilli. Barry AL, et al. **J Clin Microbiol** 1982 Apr;15(4):582–8
Identification of Enterobacteriaceae by the automicrobic system: Enterobacteriaceae biochemical cards versus Enterobacteriaceae-plus biochemical cards. Barry AL, et al. **J Clin Microbiol** 1982 Apr;15(4):575–81
Effect of refrigeration on inoculated Micro-ID strips. Burdash NM, et al. **J Clin Microbiol** 1981 Sep;14(3):350–1
Hemagglutinin typing as an aid in identification of biochemically atypical Escherichia coli strains. Crichton PB, et al. **J Clin Microbiol** 1981 Dec;14(6):599–603
Clinical laboratory evaluation of the automicrobic system Enterobacteriaceae biochemical card. Davis JR, et al. **J Clin Microbiol** 1981 Oct;14(4):370–5
Evaluation of the Enteric-Tek system for identifying Enterobacteriaceae. Esaias AO, et al. **J Clin Microbiol** 1982 Mar;15(3):419–24
Use of the automicrobic and enteric-tek systems for identification of Enterobacteriaceae. Goldstein J, et al. **J Clin Microbiol** 1982 Apr;15(4):654–9
Comparison of micro-ID and API 20E in rapid identification of Enterobacteriaceae. Gooch WM 3d, et al. **J Clin Microbiol** 1982 May;15(5):885–90
Comparison of the automicrobic system with API, enterotube, micro-ID, micro-media systems, and conventional methods for identification of Enterobacteriaceae. Kelly MT, et al. **J Clin Microbiol** 1980 Nov;12(5):659–62
Rapid identification by the Micro-ID system of Enterobacteriaceae detected by urine screening. Kelly MT, et al. **J Clin Microbiol** 1981 Sep;14(3):295–7
Evaluation of the MS-2 system for rapid identification of Enterobacteriaceae. McCracken AW, et al. **J Clin Microbiol** 1980 Nov;12(5):684–9
Novel approach to bacterial identification that uses the autobac system. Sielaff BH, et al. **J Clin Microbiol** 1982 Jun;15(6):1103–10
Evaluation of the Repliscan II System for identification of Enterobacteriaceae. Woolfrey BF, et al. **J Clin Microbiol** 1981 Oct;14(4):408–14
Biotyping of Enterobacter cloacae. Old DC. **J Clin Pathol** 1982 Aug;35(8):875–8
Comparison of the Microbact-12E and 24E systems and the API-20E system for the identification of Enterobacteriaceae. Mugg P, et al. **J Hyg (Lond)** 1981 Oct; 87(2):287–97
Numerical methods in the classification and identification of bacteria with especial reference to the Enterobacteriaceae. Jones D, et al. **Soc Appl Bacteriol Symp Ser** 1980;8:73–106 (103 ref.)
Enterobacteria differentiated by gas-liquid chromatography of metabolites. Salveson A, et al. **Zentral Bakteriol Mikrobiol Hyg [A]** 1981;250(1–2):104–12
[A method to select diagnostic criteria from Bayes' theorem and information theory (author's transl)] Descamps P, et al. **Ann Microbiol (Paris)** 1981 Sep–Oct;132B(2):157–70 (Eng. Abstr.) **(Fre)**
[A key for the determination of Enterobacteriaceae in routine- laboratories (author's transl)] Ernst P. **Zentral Bakteriol Mikrobiol Hyg [A]** 1982 Apr; 251(4):512–21 (Eng. Abstr.) **(Ger)**
[Identification of nonspecifically agglutinating strains of enterobacteria] Dombrovskii AM, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1982 Apr;(4):56–61 (Eng. Abstr.) **(Rus)**
[Taxonomic structure of Gram-negative bacteria from the family Enterobacteriaceae isolated from oncological patients with infectious complications] Erastova EI, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1982 Jun;(6):58–61 (Eng. Abstr.) **(Rus)**

DRUG EFFECTS

Comparative in vitro activities of beta-lactam-tobramycin combinations against Pseudomonas aeruginosa and multidrug-resistant gram-negative enteric bacilli. Fass RJ. **Antimicrob Agents Chemother** 1982 Jun;21(6):1003–6
In vitro activity of moxalactam and mecillinam, singly and in combination, against multi-drug-resistant Enterobacteriaceae and Pseudomonas species. Fass RJ. **Antimicrob Agents Chemother** 1982 Jan;21(1):188–91
In vitro susceptibility of cephalothin-resistant Enterobacteriaceae and Pseudomonas aeruginosa to Amikacin and selected new beta-lactam agents. McNamara BT, et al. **Antimicrob Agents Chemother** 1982 May; 21(5):753–7
In vitro and in vivo studies of three antibiotic combinations against gram-negative bacteria and Staphylococcus aureus. Zinner SH, et al. **Antimicrob Agents Chemother** 1981 Oct; 20(4):463–9
Possible role of membrane proteins in mercury resistance of Enterobacter aerogenes. Pan-Hou HS, et al. **Arch Microbiol** 1981 Oct;130(2):93–5
Dissemination of resistance plasmids among gentamicin-resistant enterobacteria from hospital patients. Knight S, et al. **Br Med J [Clin Res]** 1981 Sep 19; 283(6294):755–6
In vitro comparative activity of moxalactam, GR 20263, and N-formimidoyl thienamycin to other beta-lactam antibiotics and tobramycin against enterobacteriaceae and staphylococci. Cynamon MH, et al. **Chemotherapy** 1982; 28(3):204–8
Inhibitory activity and bactericidal kinetics of mecillinam/ampicillin combinations against Enterobacteriaceae, Pseudomonas and Acinetobacter. Fuglesang JE, et al. **Infection** 1981;9(6):290–5
The screening of four aminoglycosides in the selective decontamination of the digestive tract in mice. van der Waaij D, et al. **Infection** 1982 Jan;10(1):35–40
Investigation into the antibacterial activity in vitro of cement-antibiotic mixtures. Greco F, et al. **Ital J Orthop Traumatol** 1981 Apr;7(1):103–13
In-vitro activity of SQ 26,776 against multiply-resistant enterobacteria—preliminary results. Acar JF, et al. **J Antimicrob Chemother** 1981 Dec;8 Suppl E:97–101
Comparative activity of mecillinam and ampicillin singly and in combination in the urinary bladder model and experimental mouse model. Anderson JD, et al. **J Antimicrob Chemother** 1981 Aug;8(2):121–31
Sch 29482: activity against susceptible and beta-lactam resistant variants of Enterobacteriaceae. Chabbert YA, et al. **J Antimicrob Chemother** 1982 Feb;9 Suppl C:203–12
Ceftazidime (GR 20263), a new cephalosporin derivative with excellent activity against Pseudomonas and Enterobacteriaceae. Chattopadhyay B, et al. **J Antimicrob Chemother** 1981 Dec;8(6):491–3
In-vitro efficacy of cefotiam in combination with four aminoglycosides on staphylococci and Gram-negative bacteria. Daschner FD, et al. **J Antimicrob Chemother** 1981 Sep;8(3):239–41
Activity of beta-hydroxy-piromidic acid against Staphylococcus aureus and enterobacteriaceae. García-Rodriguez JA, et al. **J Antimicrob Chemother** 1982 Jun;9(6):493–5
Comparative activity of furbenicillin and carbenicillin-like compounds. Li JT, et al. **J Antimicrob Chemother** 1982 Mar;9(3):171–81
In-vitro activity of the monobactam, SQ 26,776, against Gram-negative bacteria and its stability to their beta-lactamases. Livermore DM, et al. **J Antimicrob Chemother** 1981 Dec;8 Suppl E:29–37
Susceptibility of Legionella sp. and nosocomial respiratory tract isolates of Enterobacteriaceae to Sch 29482 and other beta-lactam agents. Meyer RD, et al. **J Antimicrob Chemother** 1982 Feb;9 Suppl C:199–202
In-vitro activity of monobactam, SQ 26,776, against Gram-negative bacteria. Percival A, et al. **J Antimicrob Chemother** 1981 Dec;8 Suppl E:49–55
Antibacterial activity of the monobactam SQ 26,776 against antibiotic resistant enterobacteria, including Serratia spp. Reeves DS, et al. **J Antimicrob Chemother** 1981 Dec;8 Suppl E:57–68
Sch 29482: comparative activity against Enterobacteriaceae multiply-resistant to beta-lactam antibiotics and mycobacteria. Sanders CC, et al. **J Antimicrob Chemother** 1982 Feb;9 Suppl C:59–69
SQ 26,776, a novel beta-lactam: an in-vitro comparison with other antimicrobial agents. Wise R, et al. **J Antimicrob Chemother** 1981 Dec;8 Suppl E:39–47
Rosanilins: indicator dyes for chloramphenicol-resistant enterobacteria containing chloramphenicol acetyltransferase. Proctor GN, et al. **J Bacteriol** 1982 Jun; 150(3):1375–82
Nosocomial gentamicin- and multiply-resistan.

enterobacteria at one hospital. 1. Description of an outbreak. Hart CA. **J Hosp Infect** 1982 Mar;3(1):15–28

Effect of twelve antimicrobial drugs on the colonization resistance of the digestive tract of mice and on endogenous potentially pathogenic bacteria. Wiegersma N, et al. **J Hyg (Lond)** 1982 Apr;88(2):221–30

Resistance to cefamandole: derepression of beta-lactamases by cefoxitin and mutation in Enterobacter cloacae. Gootz TD, et al. **J Infect Dis** 1982 Jul;146(1):34–42

An R plasmid of broad host-range, coding for resistance to nine antimicrobial agents endemic in Gram-negative nosocomial isolates. Tantulavanich S, et al. **J Med Microbiol** 1981 Nov;14(4):371–80

Long-term amikacin use. Effects on aminoglycoside susceptibility patterns of gram-negative bacilli. Moody MM, et al. **JAMA** 1982 Sep 10;248(10):1199–202

Enterobacter resistant to amoxycillin/clavulanate [letter] **Lancet** 1982 Oct 2;2(8301):768–9

Enterobacter resistant to amoxycillin/clavulanate [letter] Crump J, et al. **Lancet** 1982 Aug 28;2(8296):500

Distribution of R plasmids conferring a permeability barrier to cephalosporins on bacteria isolated from clinical specimens. Ikeuchi T, et al. **Microbiol Immunol** 1981; 25(7):727–35

Bacterial resistance to trimethoprim-sulfamethoxazole [letter] **N Engl J Med** 1982 Jul 1;307(1):60–2

Perils of prophylaxis [editorial] Jacoby GA. **N Engl J Med** 1982 Jan 7;306(1):43–4

Epidemiologic features of urinary infections due to enterobacteriaceae resistant to nalidixic acid and trimethoprim. Light RB, et al. **Scand J Infect Dis** 1981; 13(3):195–202

Frequency and transmissibility of trimethoprim resistance in enterobacteria from urinary infections. Sellers J. **Scand J Infect Dis** 1982;14(2):157–8

[Rapid determination of the minimal inhibitory concentration of an antibiotic by measuring bacterial ATP (author's transl)] Fauchère JL, et al. **Ann Microbiol (Paris)** 1982 Mar–Apr;133(2):293–9 (Eng. Abstr.) **(Fre)**

[Resistance phenotypes to 4 antibiotics of bacteria isolated in a hospital setting] Baaj AJ, et al. **Maroc Med** 1981 Mar; 3(1):501–14 (Eng. Abstr.) **(Fre)**

[Comparative in vitro activity of 5 semi-synthetic penicillins against aerobic Gram-negative bacilli and enterococci (author's transl)] Thabaut A, et al. **Nouv Presse Med** 1982 Feb 4;11(5 Pt 2):318–23 (Eng. Abstr.) **(Fre)**

[Comparative activity of cefsulodin on Pseudomonas aeruginosa, Acinetobacter and Enterobacteriaceae (author's transl)] Courtieu AL, et al. **Pathol Biol (Paris)** 1982 Jun;30(6):432–9 (Eng. Abstr.) **(Fre)**

[Is resistance to antibiotics changing? Development of resistance of Enterobactericeae from specimens 1977–1980] Cullmann W, et al. **Fortschr Med** 1982 Feb 18;100(7):260–4 (Eng. Abstr.) **(Ger)**

[Activity of new beta-lactam antibiotics] Cullmann W, et al. **Fortschr Med** 1982 May 20;100(19):888–92 (Eng. Abstr.) **(Ger)**

[Evaluation of chemoantibiotics resistance of gram-negative bacteria isolated from urinary tract infections (author's transl)] Pasargiklian I, et al. **Ann Sclavo** 1981 Jul–Aug; 23(4):439–48 (Eng. Abstr.) **(Ita)**

[Comparative study of the drug resistance of strains of enterobacteria isolated from hospitalized and ambulatory patients] Deambrogio P, et al. **Arch Sci Med (Torino)** 1982 Jan–Mar;139(1):35–8 (Eng. Abstr.) **(Ita)**

[Sensitivity of bacteria isolated from non-parenteral drugs to antibiotics. III. Evaluation of sensitivity of gram-negative strains] Zembrzuska E. **Acta Pol Pharm** 1981;38(2):249–53 (Eng. Abstr.) **(Pol)**

[Standardization of methods for determining bacterial sensitivity to 6/N,N-1',6'-hexylene formamidinopenicillanic acid (preparation HX)] Zaremba M, et al. **Med Dosw Mikrobiol** 1981;33(3–4):219–31 (Eng. Abstr.) **(Pol)**

[Antibiotic resistance of enterobacteria isolated from chronic bronchitis and pneumonia patients] Antipenko VP, et al. **Antibiotiki** 1982 Jun;27(6):450–5 (Eng. Abstr.) **(Rus)**

[Effect of dioxidine on polyresistant flora isolated from cancer patients] Smolianskaia AZ, et al. **Farmakol Toksikol** 1982 May–Jun;45(3):72–5 **(Rus)**

[Characteristics of experimental antibiotic-induced dysbacteriosis] Martynov AI, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1982 Jan;(1):48–54 (Eng. Abstr.) **(Rus)**

[Susceptibility to antimicrobial agents of 2,060 strains of different bacteria isolated in infectious processes in children] Filloy L, et al. **Bol Med Hosp Infant Mex** 1981 Jan–Feb;38(1):13–21 (Eng. Abstr.) **(Spa)**

[In vitro activity of BRL 25.000 (amoxycillin plus clavulanic acid) against Enterobacteriaceae betalactamase producers (author's transl)] Roy C, et al. **Med Clin (Barc)** 1982 Mar 1–15;78(5):189–95 (Eng. Abstr.) **(Spa)**

[Antibacterial activity of fosfomycin and of the association fosfomycin-rifampicin, upon gram negative bacteria (author's transl)] Zemelman R, et al. **Rev Med Chil** 1980 Dec;108(12):1112–7 (Eng. Abstr.) **(Spa)**

ENZYMOLOGY

Mutational enzymatic resistance of Enterobacter species to beta-lactam antibiotics. Lampe MF, et al. **Antimicrob Agents Chemother** 1982 Apr;21(4):655–60

Trapping of nonhydrolyzable cephalosporins by cephalosporinases in Enterobacter cloacae and Pseudomonas aeruginosa as a possible resistance mechanism. Then RL, et al. **Antimicrob Agents Chemother** 1982 May;21(5):711–7

The inhibition of beta-lactamases from gram-negative bacteria by clavulanic acid. Reading C, et al. **Biochem J** 1981 Dec 1;199(3):779–87

Inhibition of chorismate mutase activity of chorismate mutase-prephenate dehydrogenase from Aerobacter aerogenes. Chao HS, et al. **Biochemistry** 1982 May 25; 21(11):2778–81

Beta-glucuronidase activity in Enterobacteriaceae. Massenti MF, et al. **Boll Ist Sieroter Milan** 1981;60(1):26–30

Occurrence of aminoglycoside-modifying enzymes in resistant strains of enterobacteria and Pseudomonas aeruginosa from several countries. Kettner M, et al. **J Antimicrob Chemother** 1981 Sep;8(3):175–85

Cellulase activity of microorganisms on carboxymethylcellulose from tampons [letter] Tierno PM Jr. **Lancet** 1981 Oct 3;2(8249):746–7

Restriction endonuclease EcaI from Enterobacter cloacae. Hobom G, et al. **Nucleic Acids Res** 1981 Oct 10; 9(19):4823–32

Aminoglycoside resistance among isolates of nosocomial Enterobacteriaceae. Botha PL, et al. **S Afr Med J** 1981 Sep 19;60(12):451–2

[The production of enzymes inactivating various antibiotics obtained from Gram-negative bacteria recently isolated in the province of Chieti] Ravagnan G, et al. **Boll Soc Ital Biol Sper** 1981 Jun 30;57(12):1326–32 (Eng. Abstr.) **(Ita)**

[Modified method for determining the content of tryptophan deaminase and phenylalanine deaminase in bacteria] Sivolodskii EP. **Lab Delo** 1982;(3):38–40 (Eng. Abstr.) **(Rus)**

GENETICS

Expression in Escherichia coli K12 of the cloned genes for a major outer membrane protein (OmpA protein) from Shigella dysenteriae, Enterobacter aerogenes and Serratia marcescens. Cole ST, et al. **Ann Microbiol (Paris)** 1982 Mar–Apr;133(2):209–13

Comparison between plasmids of Salmonella and other enterobacteria isolated from the same patients. Palomares JC, et al. **Ann Microbiol (Paris)** 1982 Mar–Apr; 133(2):301–10

R factors in coliform-fecal coliform sewage flora of the prairies and Northwest Territories of Canada. Bell JB, et al. **Appl Environ Microbiol** 1981 Aug;42(2):204–10

Genetic and molecular studies of the regulation of atypical citrate utilization and variable Vi antigen expression in enteric bacteria. Baron LS, et al. **Basic Life Sci** 1982; 19:175–94

Transfer of R plasmid from Klebsiella pneumoniae RK1 to enterobacteria and Staphylococcus aureus. Chakrabarty AN, et al. **Indian J Med Res** 1981 Oct;74:495–505

A simple method for the detection of resistance plasmids in Serratia species by transfer to members of the genus Enterobacter. Platt DJ, et al. **J Antimicrob Chemother** 1981 Aug;8(2):145–52

Common evolutionary origin of chromosomal beta-lactamase genes in enterobacteria. Bergström S, et al. **J Bacteriol** 1982 May;150(2):528–34

Primary structure of the chromosomal origins (oriC) of Enterobacter aerogenes and Klebsiella pneumoniae: comparisons and evolutionary relationships. Cleary JM, et al. **J Bacteriol** 1982 Jun;150(3):1467–71

Cloning and expression in Escherichia coli K-12 of the genes for major outer membrane protein OmpA from Shigella dysenteriae, Enterobacter aerogenes, and Serratia marcescens. Cole ST, et al. **J Bacteriol** 1982 Jan; 149(1):145–50

Duplication of the tuf gene, which encodes peptide chain elongation factor Tu, is widespread in Gram-negative bacteria. Filer D, et al. **J Bacteriol** 1981 Dec;148(3):1006–11

Transposition of the carbenicillin-hydrolyzing beta-lactamase gene. Katsu K, et al. **J Bacteriol** 1982 May; 150(2):483–9

Spread of a 'Pseudomonas-specific' beta-lactamase to plasmids of enterobacteria. Medeiros AA, et al. **J Bacteriol** 1982 Feb;149(2):700–7

Spread of R-plasmid mediated beta-lactamases from enteric bacterial? [letter] Alvarez JS, et al. **J Hosp Infect** 1981 Jun;2(2):190–2

Gut flora bearing evolutionally acquired hepatitis B virus antigen specificity? [letter] Brzosko WJ, et al. **Lancet** 1981 Sep 12;2(8246):582

Antigenic variability of bacterial RNA polymerases. Nikiforov VG, et al. **MGG** 1981;183(3):518–21

Amikacin resistance: transfers in Pseudomonas aeruginosa and Enterobacteriaceae. Lebek G, et al. **Zentral Bakteriol Mikrobiol Hyg [A]** 1981;249(4):557–9

[Study of the species 'Enterobacter gergoviae' by DNA/DNA hybridization (author's transl)] Izard D, et al. **Ann Microbiol (Paris)** 1982 May–Jun;133(3):371–6 (Eng. Abstr.) **(Fre)**

[Distribution of transferable trimethoprim and gentamicin resistance plasmids in Enterobacteriaceae] Tschäpe H, et al. **Z Allg Mikrobiol** 1981;21(8):611–21 (Eng. Abstr.) **(Ger)**

GROWTH & DEVELOPMENT

Persistence and distribution of pollution indicator bacteria on land used for disposal of piggery effluent. Chandler DS, et al. **Appl Environ Microbiol** 1981 Sep;42(3):453–60

Sediment bacterial indicators in an urban shellfishing subestuary of the lower Chesapeake Bay. Erkenbrecher CW Jr. **Appl Environ Microbiol** 1981 Sep;42(3):484–92

Evaluation of standard and modified M-FC, MacConkey, and Teepol media for membrane filtration counting of fecal coliforms in water. Grabow WO, et al. **Appl Environ Microbiol** 1981 Aug;42(2):192–9

Role of pH, lactate, and anaerobiosis in controlling the growth of some fermentative Gram-negative bacteria on beef. Grau FH. **Appl Environ Microbiol** 1981 Dec; 42(6):1043–50

Coliform inhibition by bacteriocin-like substances in drinking water distribution systems. Means EG, et al. **Appl Environ Microbiol** 1981 Sep;42(3):506–12

Survival of Salmonella adelaide and fecal coliforms in coarse sands of the swan costal plain, Western Australia. Parker WF, et al. **Appl Environ Microbiol** 1982 May;43(5):981–6

A-1 medium: alternative technique for fecal coliform organism enumeration in chlorinated wastewaters. Standridge JH, et al. **Appl Environ Microbiol** 1981 Nov; 42(5):918–20

Changes in the activity of antifungals in mixed cultures of bacteria and yeasts. Domon MH, et al. **Can J Microbiol** 1981 Aug;27(8):843–6

Salt extends the upper temperature limit for growth of food-poisoning bacteria. Tesone S, et al. **Can J Microbiol** 1981 Sep;27(9):970–2

A comparison of minerals modified glutamate medium with other media for the enumeration of coliforms in delicatessen foods. Abbiss JS, et al. **J Appl Bacteriol** 1981 Aug; 51(1):121–7

A note on the persistence of Salmonella havana and faecal coliforms on a naturally contaminated piggery effluent disposal site. Chandler DS, et al. **J Appl Bacteriol** 1981 Aug;51(1):45–9

Potential hazards associated with microbial contamination of in-line filters during intravenous therapy. Holmes CJ, et al. **J Clin Microbiol** 1980 Dec;12(6):725–31

Colonization by or diarrhea due to Kluyvera species. Fainstein V, et al. **J Infect Dis** 1982 Jan;145(1):127

Effect of beta-lactam antibiotics of the resistance of the digestive tract of mice to colonization. van der Waaij D, et al. **J Infect Dis** 1982 Sep;146(3):417–22

Absence of fluctuation in vaginal colonisation by Enterobacteriaceae during the menstrual cycle in patients with recurrent cystitis [letter] Botta GA, et al. **Lancet** 1981 Nov 14;2(8255):1116–7

The effects of temperature and pH on the growth of eight enteric and nine glucose non-fermenting species of gram-negative rods. Tsuji A, et al. **Microbiol Immunol** 1982;26(1):15–24

[Investigations on the survival of fecal bacteria in experiments with and without sediment addition (author's transl)] Bauerfeind S, et al. **Zentralbl Bakteriol Mikrobiol Hyg [B]** 1981 Dec; 174(4):364–74 (Eng. Abstr.) **(Ger)**

[To the multiplication ability of intestinal bacteria in water (author's transl)] Daubner I, et al. **Zentralbl Bakteriol Mikrobiol Hyg [B]** 1981 Dec; 174(5):453–60 (Eng. Abstr.) **(Ger)**

[Growth characteristics of isogenous enterobacteria strains] Timokhina LV, et al. **Mikrobiol Zh** 1981 Sep–Oct; 43(5):640–4 (Eng. Abstr.) **(Rus)**

[Enterotoxigenic properties and antibiotic resistance of enterobacteria in postirradiation dysbacteriosis] Korshunov VM, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1981 Nov; (11):36–41 **(Rus)**

IMMUNOLOGY

Somatic and capsular factors of coliforms which affect resistance to bovine serum bactericidal activity. Ward GE, et al. **Am J Vet Res** 1981 Nov;42(11):1937–40

In vitro phagocytosis and killing of coliforms by bovine mammary leukocytes. Ward GE, et al. **Am J Vet Res** 1981 Nov;42(11):1941–3

Structure of the capsular polysaccharide of Klebsiella type 73 (Enterobacter aerogenes). Batavyal L, et al. **Carbohydr Res** 1981 Dec 1;98(1):105–13

Endotoxin and liver diseases. High titres of enterobacterial common antigen antibodies in patients with alcoholic cirrhosis. Turunen U, et al. **Gut** 1981 Oct;22(10):849–53

Effect of proteins on the immunogenicity of enterobacterial common antigen. Kuhn HM, et al. **Infect Immun** 1981 Nov; 34(2):373–7

Vaccines and antisera against Gram-negative bacilli. Jones RJ. **J Hosp Infect** 1981 Jun;2(2):105–11

Lipopolysaccharide (LPS) regulation of the immune response: LPS converts germfree mice to sensitivity to oral tolerance induction. Wannemuehler MJ, et al. **J Immunol** 1982 Sep;129(3):959–65

Towards serodiagnosis of Serratia marcescens infections: examination of sera from noninfected patients and from experimentally infected rabbits for anti-H and anti-O antibodies; S. marcescens O-antigen cross-reactions with those of other enterobacteriaceae. Traub WH. **Zentral Bakteriol Mikrobiol Hyg [A]** 1981 Nov; 250(4):490–6

[An oral enteritis-vaccine composed of twelve heat-inactivated Enterobacteriaceae 3. Communication: studies on efficacy tests in mice protection tests (author's transl)] Raettig H. **Zentral Bakteriol Mikrobiol Hyg [A]** 1981 Nov;250(4):511-20 (Eng. Abstr.) **(Ger)**

[Effectiveness of 2 methods of isolation of common antigen of enterobacteriaceae (CAE)] Kałużewski S, et al. **Med Dosw Mikrobiol** 1980;32(4):253-9 (Eng. Abstr.) **(Pol)**

[CA antibodies (Enterobacteriaceae common antigen) in the sera of domestic animals] Molerda J. **Pol Arch Weter** 1981; 23(1):31-41 (Eng. Abstr.) **(Pol)**

ISOLATION & PURIFICATION

Comparison of two methods for same-day identification of Enterobacteriaceae. Appelbaum PC, et al. **Am J Clin Pathol** 1982 Sep;78(3):351-5

The effect of osmotic stabilizers on the radiometric detection of osmotically sensitive populations of some gram-negative bacteria. Martinez OV, et al. **Am J Clin Pathol** 1982 Feb; 77(2):191-5

Longitudinal studies of infectious diseases and physical growth of children in rural Bangladesh. II. Incidence of diarrhea and association with known pathogens. Black RE, et al. **Am J Epidemiol** 1982 Mar;115(3):315-24

Isolation and characterization of Edwardsiella tarda from fall chinook salmon (Oncorhynchus tshawytscha). Amandi A, et al. **Appl Environ Microbiol** 1982 Jun;43(6):1380-4

Microbiological examination of sebeel water. Hammad ZH, et al. **Appl Environ Microbiol** 1982 Jun;43(6):1238-43

Short incubation of presumptive media for detection of fecal coliforms in shellfish. Hastback WG. **Appl Environ Microbiol** 1981 Dec;42(6):1125-7

Influence of diluents, media, and membrane filters on detection fo injured waterborne coliform bacteria. McFeters GA, et al. **Appl Environ Microbiol** 1982 Jan; 43(1):97-103

Gram-negative, aerobic, enteric pathogens among intestinal microflora of wild turkey vultures (Cathartes aura) in west central Texas. Winsor DK, et al. **Appl Environ Microbiol** 1981 Dec;42(6):1123-4

Rapid detection of bacteremia caused by Enterobacteriaceae with subculture in broth and laser nephelometry. Bayardelle P, et al. **Can J Microbiol** 1982 Mar;28(3):341-3

Variation in fecal pollution indicators through tidal cycles in the Fraser River estuary. Churchland LM, et al. **Can J Microbiol** 1982 Feb;28(2):239-47

Antibiotic resistance of enterobacteria isolated from hospitalized diarrhoeal patients. Mutanda LN, et al. **Indian J Med Res** 1981 Jul;74:6-10

Numerical taxonomy analysis of bacteria isolated from the completed 'most probable numbers' test for coliform bacilli. Austin B, et al. **J Appl Bacteriol** 1981 Aug;51(1):101-12

Enteric group 15 (Enterobacteriaceae) associated with pneumonia. Bae BH, et al. **J Clin Microbiol** 1981 Nov; 14(5):596-7

Time-motion and cost comparison study of micro-ID, API 20E, and conventional biochemical testing in identification of Enterobacteriaceae. Bale MJ, et al. **J Clin Microbiol** 1981 Dec;14(6):665-70

Bacteriology of acute obstructive suppurative cholangitis of the aged. Shimada K, et al. **J Clin Microbiol** 1981 Nov; 14(5):522-6

Evaluation of the AutoMicrobic system for identification of glucose-nonfermenting gram-negative rods. Smith SM, et al. **J Clin Microbiol** 1982 Feb;15(2):302-7

Variation in skin and environmental survival of hospital gentamicin-resistant enterobacteria. Hart CA, et al. **J Hyg (Lond)** 1981 Oct;87(2):277-85

Use of the India ink immuno-reaction for the rapid detection of enteric pathogens in two area of Nigeria. Ternak G, et al. **J Hyg (Lond)** 1981 Dec;87(3):493-9

A medium for the rapid enumeration of Escherichia coli in the presence of other faecal coliforms in tropical waters. Wright RC. **J Hyg (Lond)** 1982 Apr;88(2):265-73

The bacterial flora of the vaginal vestibule, urethra and vagina in premenopausal women with recurrent urinary tract infections. Pfau A, et al. **J Urol** 1981 Nov;126(5):630-4

Enterobacter cloacae, Serratia marcescens and Yersinia enterocolitica in colonies of laboratory mice, rats and rabbits: an attempt of isolation. Shimoda K, et al. **Jikken Dobutsu** 1981 Oct;30(4):503-5

The applicability of Cary Blair medium as a sole transport medium for the recovery of enteropathogens in the Malaysian context. Jegathesan M, et al. **Med J Malaysia** 1981 Jun;36(2):108-11

Evaluation of Gram-stain screen and Micro-ID methods for direct identification of Enterobacteriaceae from urines. Appelbaum PC, et al. **Med Microbiol Immunol (Berl)** 1982; 170(3):173-84

Bacterial pollution indicators in the intestinal tract of various fish species living an Amir-Kolayeh lagoon. Nuhi A, et al. **Zentralbl Bakteriol [Naturwiss]** 1981;136(7):566-71

[Enterococcal studies of uncut raw dried meat products] Gogov I, et al. **Vet Med Nauki** 1981;18(3):72-6 (Eng. Abstr.) **(Bul)**

[Evolution of the repartition of enteropathogenic enterobacteria serotypes isolated in Algeria from 1974 to 1977] Zoukh K, et al. **Arch Inst Pasteur Alger** 1978-79; 53:59-70 (Eng. Abstr.) **(Fre)**

[Nosocomial infective agents in surgical intensive care unit. I. Occurrence and spreading of Gram-negative, obligate aerobic and facultative anaerobic rods (author's transl)] Martiny H, et al. **Zentralbl Bakteriol Mikrobiol Hyg [B]** 1981 Dec;174(6):477-91 (Eng. Abstr.) **(Ger)**

[Detection of Clostridium botulinum and other pathogenic gram-negative bacteria in fecal samples of subjects dying in childhood] Castellani Pastoris M, et al. **Ann Ist Super Sanita** 1981;17(4):831-5 **(Ita)**

[Comparison of the MPN method and direct counting on specific selective media for bacteriological examination of surface and waste waters] Baldini I, et al. **Ann Sclavo** 1980 Nov-Dec;22(6):972-81 (Eng. Abstr.) **(Ita)**

[Evaluation of a new system for simultaneous identification and antibiograms of enterobacteria from urine] Nicolosi VM, et al. **G Batteriol Virol Immunol** 1980 Jul-Dec; 73(7-12):281-93 (Eng. Abstr.) **(Ita)**

[Comparative evaluation of 2 widely diffused systems in commerce, for identification of Enterobacteriaceae, with the traditional system in use at our laboratory] Santini G, et al. **Quad Sclavo Diagn** 1981 Sep;17(3):294-307 **(Ita)**

[Occurrence of various types of Enterobacteriaceae in selected milk products] Maciejska-Roczan K, et al. **Rocz Panstw Zakl Hig** 1981;32(2):107-12 (Eng. Abstr.) **(Pol)**

[Significance of bacterial flora in the tracheostomy of severely ill patients] Dias MD, et al. **Rev Paul Med** 1981 Jul-Sep;97(7-9):110-2 (Eng. Abstr.) **(Por)**

[Reptiles, the chief reservoir of Edwardsiella in nature] Kalina GP, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1981 Jul;(7):93-9 (Eng. Abstr.) **(Rus)**

[Enzyme and serological characteristics of enterobacteria isolated from the urine of children with pyelonephritis] Kiseleva BS, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1982 Jun;(6):64-9 (Eng. Abstr.) **(Rus)**

[Quantitative and species composition of conditionally-pathogenic microorganisms of the families Enterobacteriaceae and Pseudomonadaceae in healthy subjects and intestinal dysbacteriosis] Polikarpov NA, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1981 Jul;(7):39-42 (Eng. Abstr.) **(Rus)**

[Pneumonia II. Pneumonias produced by gram negative and anaerobic agents (author's transl)] Del Solar A, et al. **Rev Med Chil** 1981 Dec;109(12):1214-8 (Eng. Abstr.) **(Spa)**

METABOLISM

5-Methylthioribose as a precursor of the carbon chain of methionine. Shapiro SK, et al. **Biochem Biophys Res Commun** 1981 Sep 16;102(1):302-7

Comparative misonidazole metabolism in anaerobic bacteria and hypoxic Chinese hamster lung fibroblast (V-79-473) cells. Koch RL, et al. **Biochem Pharmacol** 1982 Feb 1; 31(3):411-4

Siderophore production by Enterobacter cloacae and a common receptor protein for the uptake of aerobactin and cloacin DF13. Van Tiel-Menkveld GJ, et al. **J Bacteriol** 1982 May;150(2):490-7

A comparison of confirmatory media for coliform organisms and Escherichia coli in water. By a joint committee of the Public Health Laboratory Service and the Standing Committee of Analysts. **J Hyg (Lond)** 1981 Dec; 87(3):369-75

In vitro transformation of chenodeoxycholic acid and ursodeoxycholic acid by human intestinal flora, with particular reference to the mutual conversion between the two bile acids. Hirano S, et al. **J Lipid Res** 1981 Jul; 22(5):735-43

Differential production of acid by Enterobacteriaceae in OF media and in fermentation broth. Bucher C, et al. **Med Microbiol Immunol (Berl)** 1982;170(3):185-9

[Modification of bicarbohydrate culture medium for assay of hydrogen sulfide production] Kuznetsov VG. **Lab Delo** 1982;(4):248-9 **(Rus)**

PATHOGENICITY

Invasive enterocolitis caused by Edwardsiella tarda. Marsh PK, et al. **Gastroenterology** 1982 Feb;82(2):336-8

[Role of enterococci in the development of infectious complications in pregnant women, puerperae and gynecological patients] Sedov VI. **Akush Ginekol (Mosk)** 1981 Nov;(11):6-8 (34 ref.) **(Rus)**

[Enterococcus: the causative agent of infectious endocarditis] Sedov VI. **Kardiologiia** 1982 Apr;22(4):119-24 (77 ref.) **(Rus)**

PHYSIOLOGY

Attachment and ingestion of bacteria by trophozoites of Entamoeba histolytica. Bracha R, et al. **Infect Immun** 1982 Apr;36(1):396-406

In vitro adherence of bacteria to prosthetic vascular grafts. Sugarman B. **Infection** 1982 Jan;10(1):9-14

Phagocytosis and killing of bacteria in aerobic and anaerobic conditions. Ingham HR, et al. **J Med Microbiol** 1981 Nov; 14(4):391-9

RADIATION EFFECTS

Effect of UV light disinfection on antibiotic-resistant coliforms in wastewater effluents. Meckes MC. **Appl Environ Microbiol** 1982 Feb;43(2):371-7

ULTRASTRUCTURE

Ultrastructure of Gram-negative cotton bacteria with different pulmonary toxicities. Lounatmaa K, et al. **Infect Immun** 1982 Jan;35(1):359-62

ENTEROBACTERIACEAE INFECTIONS

Epidemic nosocomial meningitis due to Citrobacter diversus in neonates. Graham DR, et al. **J Infect Dis** 1981 Sep; 144(3):203-9

Successful treatment of gram-negative bacillary meningitis with moxalactam. Barriere SL, et al. **Neurosurgery** 1982 Jun;10(6 Pt 1):762-5

[Septic intra-ocular metastasis of a Serratia infection] Malnou F. **Bull Soc Ophtalmol Fr** 1981 Oct;81(10):803-6 **(Fre)**

[Spondylodiskitis caused by Serratia marcescens. Apropos of a personal case (letter)] Queneau P, et al. **Rev Rhum Mal Osteoartic** 1982 Apr;49(5):411 **(Fre)**

[Adrenal abscesses in the newborn infant] Moro Bayón C, et al. **An Esp Pediatr** 1982 Feb;16(2):181-3 **(Spa)**

[Current aspects of sepsis of abdominal origin. II. Prevention and treatment] Boulahfa A, et al. **Rev Esp Enferm Apar Dig** 1981 May;59(5):581-8 (Eng. Abstr.) **(Spa)**

[Current aspects of sepsis of abdominal origin. I. Etiopathogenesis and diagnosis] Gómez Alonso A, et al. **Rev Esp Enferm Apar Dig** 1981 May;59(5):569-80 (Eng. Abstr.) **(Spa)**

COMPLICATIONS

Neonatal enterobacter suppurative arthritis and osteomyelitis. Shahar E, et al. **Helv Paediatr Acta** 1981;36(6):573-7

Citrobacter meningitis and cerebral abscess in early infancy: cure by moxalactam. Levy RL, et al. **Neurology (NY)** 1981 Dec;31(12):1575-7

[Endotoxic shock in the pathogenesis of severe variants of acute intestinal infections in children] Bogadel'nikov IV, et al. **Pediatriia** 1982 May;(5):56-9 (30 ref.) **(Rus)**

[Septic shock and its treatment in childhood] Grinkevichene OK, et al. **Pediatriia** 1982 Feb;(2):58-60 **(Rus)**

DIAGNOSIS

An outbreak of pseudobacteremia caused by Enterobacter cloacae from a phlebotomist's vial of thrombin. Graham DR, et al. **Ann Intern Med** 1981 Nov;95(5):585-8

Rapid detection of bacteremia caused by Enterobacteriaceae with subculture in broth and laser nephelometry. Bayardelle P, et al. **Can J Microbiol** 1982 Mar;28(3):341-3

'Bacteriological bit': Citrobacter diversus osteomyelitis in a neonate. Jansen RD, et al. **Clin Pediatr (Phila)** 1981 Dec; 20(12):791

Invasive enterocolitis caused by Edwardsiella tarda. Marsh PK, et al. **Gastroenterology** 1982 Feb;82(2):336-8

Fever, shock and chills in gram-negative bacillemia: clinical correlations in 100 cases. Rector WG Jr. **Johns Hopkins Med J** 1981 Nov;149(5):175-8

Diagnosis of coliform infection in acutely dysuric women. Stamm WE, et al. **N Engl J Med** 1982 Aug 19;307(8):463-8

Chronic subdural empyema. Hardy TL, et al. **Surg Neurol** 1981 Aug;16(2):154-6 (20 ref.)

Towards serodiagnosis of Serratia marcescens infections: examination of sera from noninfected patients and from experimentally infected rabbits for anti-H and anti-O antibodies; S. marcescens O-antigen cross-reactions with those of other enterobacteriaceae. Traub WH. **Zentral Bakteriol Mikrobiol Hyg [A]** 1981 Nov; 250(4):490-6

[A method to select diagnostic criteria from Bayes' theorem and information theory (author's transl)] Descamps P, et al. **Ann Microbiol (Paris)** 1981 Sep-Oct;132B(2):157-70 (Eng. Abstr.) **(Fre)**

[Fungal infections in urologic diseases with special reference to mixed bacterial infection] Meissner B, et al. **Z Urol Nephrol** 1982 Apr;75(4):223-7 (Eng. Abstr.) **(Ger)**

[Comparative evaluation of 2 widely diffused systems in commerce, for identification of Enterobacteriaceae, with the traditional system in use at our laboratory] Santini G, et al. **Quad Sclavo Diagn** 1981 Sep;17(3):294-307 **(Ita)**

[Value of the furosemide test for determining the localization of urinary tract infection] Wielgosz A. **Pol Arch Med Wewn** 1981 Sep;66(3):223-30 (Eng. Abstr.) **(Pol)**

[The urethral syndrome--diagnostic procedures (author's transl)] Bolonja A, et al. **Liječ Vjesn** 1980 Jul-Aug; 102(7-8):392-4 (Eng. Abstr.) **(Scr)**

DRUG THERAPY

The in vitro activity, human pharmacology, and clinical effectiveness of new beta-lactam antibiotics. Neu HC. **Annu Rev Pharmacol Toxicol** 1982;22:599-642 (247 ref.)

Cefoperazone treatment of experimental endocarditis. Snepar RA, et al. **Antimicrob Agents Chemother** 1981 May; 19(5):773-6

Amikacin treatment of Serratia septicemia in critically ill patients. Mosquera JM, et al. **Crit Care Med** 1981 Sep; 9(9):633-6

Hypoprothrombinemia associated with moxalactam treatment of a septic sternoclavicular arthritis due to

Citrobacter diversus. Holt RJ, et al. **Drug Intell Clin Pharm** 1981 Apr;15(4):288–9

Elimination of bacteria in biliary tract infections during ceftizoxime therapy. Helm EB, et al. **Infection** 1982; 10(2):67–70

Pivmecillinam plus pivampicillin in urinary tract infections. A double-blind comparison with pivmecillinam alone in hospitalized patients. Saltvedt EP, et al. **Infection** 1982 Jan; 10(1):21–2

Action of isotretinoin in acne rosacea and gram-negative folliculitis. Plewig G, et al. **J Am Acad Dermatol** 1982 Apr; 6(4 Pt 2 Suppl):766–85

In-vivo properties of SQ 26,776. Bonner DP, et al. **J Antimicrob Chemother** 1981 Dec;8 Suppl E:123–30

Effectiveness of mezlocillin and endotracheally administered sisomicin with or without parenteral sisomicin in the treatment of Gram-negative bronchopneumonia. Sculier JP, et al. **J Antimicrob Chemother** 1982 Jan;9(1):63–8

Resistance to cefamandole: a collaborative study of emerging clinical problems. Sanders CC, et al. **J Infect Dis** 1982 Jan; 145(1):118–25

Single-dose amoxicillin treatment of urinary tract infections. Shapiro ED, et al. **J Pediatr** 1981 Dec;99(6):989–92

Frequency and transmissibility of trimethoprim resistance in enterobacteria from urinary infections. Sellers J. **Scand J Infect Dis** 1982;14(2):157–8

[Therapy of gram-negative septicemia and bronchopneumonia (author's transl)] Hanson B, et al. **Rev Med Brux** 1982 Jun;3(6):399–402 (Eng. Abstr.) **(Fre)**

[Results of cholestyramine treatment of chronic infantile diarrhea] Iwańczak F. **Pol Tyg Lek** 1981 Apr 13; 36(15):525–8 (Eng. Abstr.) **(Pol)**

ETIOLOGY

Edwardsiella tarda gastroenteritis associated with a pet turtle. Nagel P, et al. **Gastroenterology** 1982 Jun;82(6):1436–7

Meningoencephalitis and compartmentalization of the cerebral ventricles caused by Enterobacter sakazakii. Kleiman MB, et al. **J Clin Microbiol** 1981 Sep;14(3):352–4

Experimental acute pyelonephritis caused by enterobacteria in animals. A review. Kaijser B, et al. **J Urol** 1982 Apr; 127(4):786–90 (88 ref.)

Enterobacter cloacae: bacteremia, epidemiology, and antibiotic resistance. John JF Jr, et al. **Rev Infect Dis** 1982 Jan–Feb;4(1):13–28

[Perinatal infections caused by rare pathogens. 5. Citrobacter] Handrick W, et al. **Padiatr Grenzgeb** 1982;21(2):145–50 (33 ref.) **(Ger)**

[Serratia septicemia following thyroidectomy (author's transl)] Uematsu A, et al. **Nippon Jibiinkoka Gakkai Kaiho** 1981 May;84(5):465–9 (Eng. Abstr.) **(Jpn)**

[Generalized septicemia in acute pancreatitis] Ciesielski L, et al. **Pol Tyg Lek** 1981 Jun 22;36(25):913–6 (Eng. Abstr.) **(Pol)**

[Acute infectious endocarditis due to Enterobacter sp. related to the presence of a central venous catheter as a complication of diabetic ketoacidosis. Report of a case] Mansur AJ, et al. **Arq Bras Cardiol** 1981 Apr;36(4):277–80 (Eng. Abstr.) **(Por)**

[Role of enterococci in the development of infectious complications in pregnant women, puerperae and gynecological patients] Sedov VI. **Akush Ginekol (Mosk)** 1981 Nov;(11):6–8 (34 ref.) **(Rus)**

IMMUNOLOGY

Stimulation of nonspecific host resistance to infection induced by muramyldipeptides. Matsumoto K, et al. **Microbiol Immunol** 1981;25(10):1047–58

MICROBIOLOGY

Applications and relevance of plasmid analysis in clinical microbiology laboratories. Bidwell JL. **J Antimicrob Chemother** 1982 Jun;9(6):420–2

Escherichia vulneris: a new species of Enterobacteriaceae associated with human wounds. Brenner DJ, et al. **J Clin Microbiol** 1982 Jun;15(6):1133–40

Nosocomial outbreak of nitrate-negative Serratia marcescens infections. Geiseler PJ, et al. **J Clin Microbiol** 1982 Apr; 15(4):728–30

Comparative epidemiology of gentamicin-resistant enterobacteria: persistence of carriage and infection. Hart CA, et al. **J Clin Pathol** 1982 Apr;35(4):452–7

Serratia cross-infection in an intensive therapy unit. Mutton KJ, et al. **J Hosp Infect** 1981 Mar;2(1):85–91

Neonatal meningitis caused by Citrobacter diversus: case report. Enzenauer RW, et al. **Milit Med** 1982 May; 147(5):377–9

[A contribution to the study of experimental endogenous infections (author's transl)] Ticháček B. **Cesk Epidemiol Mikrobiol Imunol** 1981 Sep;30(5):267–73 (Eng. Abstr.) **(Cze)**

[Sensitivity of bacteria to antibiotics in urinary tract infection] Mróz E, et al. **Wiad Lek** 1981 Jul 1;34(13):1085–9 (Eng. Abstr.) **(Pol)**

[Enterococcus: the causative agent of infectious endocarditis] Sedov VI. **Kardiologiia** 1982 Apr;22(4):119–24 (77 ref.) **(Rus)**

[Taxonomic structure of Gram-negative bacteria from the family Enterobacteriaceae isolated from oncological patients with infectious complications] Erastova EI, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1982 Jun;(6):58–61 (Eng. Abstr.) **(Rus)**

[Properties and etiological role of Citrobacter 019 in acute intestinal diseases] Proskuriakova NB, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1982 Feb;(2):45–8 **(Rus)**

OCCURRENCE

Clinical, epidemiologic and microbiologic features of a persistent outbreak of amikacin-resistant Serratia marcescens. Arroyo JC, et al. **Infect Control** 1981 Sep–Oct; 2(5):367–72

Nosocomial gentamicin- and multiply-resistant enterobacteria at one hospital. I. Description of an outbreak. Hart CA. **J Hosp Infect** 1982 Mar;3(1):15–28

[An outbreak of nosocomial infection due to multiply drug resistant strain of Serratia marcescens (author's transl)] Hayahi I, et al. **Kansenshogaku Zasshi** 1982 Feb; 56(2):101–10 (Eng. Abstr.) **(Jpn)**

[Clinical significance of asymptomatic bacteriuria in non-pregnant women] Spineter-Sokołowska E, et al. **Pol Tyg Lek** 1981 Jun 29;36(26):963–5 (Eng. Abstr.) **(Pol)**

[Reptiles, the chief reservoir of Edwardsiella in nature] Kalina GP, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1981 Jul;(7):93–9 (Eng. Abstr.) **(Rus)**

[Analysis of bacterial septicemia in newborn infants in the last 5 years in the Pediatric Service of the Leonardo Guzmán Regional Hospital of Antofagasta] Yáñez JM, et al. **Rev Chil Pediatr** 1981 May–Jun;52(3):213–7 (Eng. Abstr.) **(Spa)**

PATHOLOGY

Four-valve polymicrobial endocarditis caused by Pseudomonas aeruginosa and Serratia marcescens. Hobbs RD, et al. **Am J Med** 1982 Jan;72(1):164–8

Characterization of rabbit corneal damage produced by Serratia keratitis and by a serratia protease. Lyerly D, et al. **Infect Immun** 1981 Sep;33(3):927–32

Clinicopathological Conference. Neonate with jaundice and leukopenia. Ashbaugh JA, et al. **SD J Med** 1982 May; 35(5):17–21

[Anaerobic sepsis and septic shock in criminal abortion] Angelov A, et al. **Akush Ginekol (Sofiia)** 1981;20(3):262–4 **(Bul)**

PREVENTION & CONTROL

Infection control: Serratia—an endemic hospital resident. Bond GB. **Am J Nurs** 1981 Dec;81(12):2183–6

Serratia marcescens–a marker for an infection control program. Marrie TJ, et al. **Infect Control** 1982 Mar–Apr; 3(2):134–42

Failure of oral trimethoprim–sulfamethoxazole prophylaxis in acute leukemia: isolation of resistant plasmids from strains of Enterobacteriaceae causing bacteremia. Wilson JM, et al. **N Engl J Med** 1982 Jan 7;306(1):16–20

[An oral enteritis-vaccine composed of twelve heat-inactivated Enterobacteriaceae 3. Communication: studies on efficacy tests in mice protection tests (author's transl)] Raettig H. **Zentral Bakteriol Mikrobiol Hyg [A]** 1981 Nov;250(4):511–20 (Eng. Abstr.) **(Ger)**

THERAPY

[Prevention and treatment of enterobacterial infections] Armengaud M. **Bull Soc Pathol Exot Filiales** 1981 Nov–Dec;74(6):699–708 **(Fre)**

TRANSMISSION

Epidemic Serratia marcescens in a neonatal intensive care unit: importance of the gastrointestinal tract as a reservoir. Christensen GD, et al. **Infect Control** 1982 Mar–Apr; 3(2):127–33

Rapid presumptive identification of Citrobacter diversus as an aid in controlling infections. Anderson RL, et al. **J Clin Microbiol** 1981 Aug;14(2):161–4

[Role of facultatively pathogenic bacteria in the development of intrauterine infection of the fetus] Ankirskaia AS, et al. **Akush Ginekol (Mosk)** 1982 May;(5):21–4 **(Rus)**

URINE

[Urinary excretion of glycoproteins depending on the localization of infection in the urinary tract of children] Zoch-Zwierz W, et al. **Pediatr Pol** 1981 Jul;56(7):809–14 (Eng. Abstr.) **(Pol)**

VETERINARY

The etiopathogeny of gastrointestinal infections in newly imported monkeys with special emphasis on associated parasitic and bacterial infections. Panaitescu M, et al. **Arch Roum Pathol Exp Microbiol** 1981 Jul–Sep; 40(3):273–85

Equine abortion associated with Enterobacter agglomerans. Gibson JA, et al. **Equine Vet J** 1982 Apr;14(2):122–5

Serratia liquefaciens as a cause of mastitis in dairy cows. Nicholls TJ, et al. **Vet Rec** 1981 Sep 26;109(13):288

ENTEROBIASIS see **OXYURIASIS**

ENTEROBIUS

Comment on parasitic diseases [letter] Chambers RA. **Drug Intell Clin Pharm** 1981 May;15(5):390

ISOLATION & PURIFICATION

Enterobius vermicularis in a vaginal wet smear [letter] Saraswathi TR, et al. **Acta Cytol (Baltimore)** 1982 Jan–Feb; 26(1):97

[Detection of nematode eggs in a rural environment by the Kaledin–Romanienko method] Gieryng R, et al. **Wiad Parazytol** 1981;27(4–5):591–7 (Eng. Abstr.) **(Pol)**

ENTEROCELE see **HERNIA**

ENTEROCHELIN see under **SERINE**

ENTEROCHROMAFFIN CELLS see under **CHROMAFFIN SYSTEM**

ENTEROCOLITIS, ACUTE

Pseudomembranous colitis. Keighley MR. **Praxis** 1982 Jan 19;71(3):98–106 (66 ref.)

Neonatal necrotizing enterocolitis. O'Neill JA Jr. **Surg Clin North Am** 1981 Oct;61(5):1013–22 (19 ref.)

[Pseudomembranous colitis. Aetiology, clinic and treatment (author's transl)] Fahrländer H. **Praxis** 1982 Jan 19; 71(3):92–7 (68 ref.) (Eng. Abstr.) **(Ger)**

BLOOD

[Blood in the feces as an aid to the diagnosis of necrotizing enterocolitis] Echevarría Ybargüengoitia JL, et al. **Bol Med Hosp Infant Mex** 1981 Sep–Oct;38(5):771–76 (Eng. Abstr.) **(Spa)**

CHEMICALLY INDUCED

Pseudomembranous colitis associated with oxacillin therapy [letter] Van der Auwera P, et al. **Acta Clin Belg** 1982; 37(2):116–7

Antibiotic-associated colitis [letter] Schwartz MZ. **Am J Dis Child** 1981 Sep;135(9):864

Antibiotic-associated colitis: clinical and epidemiological features. McKinley MJ, et al. **Am J Gastroenterol** 1982 Feb; 77(2):77–81

Pseudomembranous colitis. A complication of sulfasalazine therapy in a patient with Crohn's colitis. Pokorney BH, et al. **Am J Gastroenterol** 1981 Oct;76(4):374–6

Metronidazole: cause as well as cure for colitis [letter] Vivian AS, et al. **Am J Hosp Pharm** 1981 Oct;38(10):1442

Pseudomembranous colitis in a 5-week-old infant [letter] Mandal BK, et al. **Br Med J [Clin Res]** 1982 Jan 30; 284(6312):345–6

Pseudomembranous colitis in a 5-week-old infant. Richardson SA, et al. **Br Med J [Clin Res]** 1981 Dec 5; 283(6305):1510

Trimethoprim/sulfamethoxazole-associated pseudomembranous colitis. Scott SA. **Drug Intell Clin Pharm** 1982 Mar;16(3):244–6

Antibiotic-associated colitis: always pseudomembranous? Di Febo G, et al. **Endoscopy** 1982 Jul;14(4):128–30

Metronidazole: an alternate therapy for antibiotic-associated colitis. Cherry RD, et al. **Gastroenterology** 1982 May;82(5 Pt 1):849–51

Antibiotic-associated pseudomembranous colitis. Barlett JG. **Hosp Pract** 1981 Dec;16(12):85–8, 93–5

Life-threatening enterocolitis after gold salt therapy. Sckolnick BR, et al. **J Clin Gastroenterol** 1979 Jun; 1(2):145–8

Therapy of antibiotic-associated pseudomembranous colitis. Tedesco FJ, et al. **J Clin Gastroenterol** 1979 Mar;1(1):51–4

Unsuspected hyperosmolar oral solution contributing to necrotizing enterocolitis—a case report. Congdon PJ, et al. **J Clin Hosp Pharm** 1982 Jun;7(2):127–30

Pseudomembranous colitis after trimethoprim-sulfamethoxazole therapy. Alpert B, et al. **J Urol** 1982 May;127(5):992–3

Recurrent colitis following antibiotic-associated pseudomembranous colitis. Davies J, et al. **Postgrad Med J** 1981 Sep;57(671):599–601

[Clostridium difficile in antibiotics induced colitis (author's transl)] Delmée M, et al. **Acta Gastroenterol Belg** 1981 Sep–Oct;44(9–10):459–62 (Eng. Abstr.) **(Fre)**

[Pseudomembranous rectocolitis and rifampicin [letter] Seigneuric C, et al. **Gastroenterol Clin Biol** 1982 Mar; 6(3):300 **(Fre)**

[Pseudomembranous rectocolitis after treatment by cefotaxime (letter)] Gineston JL, et al. **Nouv Presse Med** 1982 May 29;11(25):1951–2 **(Fre)**

[Microbiological diagnosis of antibiotic-associated pseudomembranous colitis (author's transl)] Auckenthaler R. **Praxis** 1982 Jan 19;71(3):87–91 (Eng. Abstr.) **(Ger)**

[Pseudomembranous colitis as a complication of antibiotic therapy] Nekrasov NV. **Vrach Delo** 1981 Mar;(3):11–4 **(Rus)**

COMPLICATIONS

Intestinal stenosis resulting from necrotizing enterocolitis. Pokorny WJ, et al. **Am J Surg** 1981 Dec;142(6):721–4

CNS signs associated with campylobacter enterocolitis [letter] Cameron AS, et al. **Aust Fam Physician** 1982 Apr;

11(4):313–4

Reiter's syndrome following antibiotic-associated colitis. Puddey IB. **Aust NZ J Med** 1982 Jun;12(3):292–3

Yersinai arthritis: review and report of a case. Blake DR, et al. **Br J Clin Pract** 1981 Nov–Dec;35(11–12):421–2

Toxic megacolon secondary to pseudomembranous colitis. Cone JB, et al. **Dis Colon Rectum** 1982 Jul–Aug; 25(5):478–82

A histochemical study of the mucosubstances of the colon in cases of Hirschsprung's disease with and without enterocolitis. Akkary S, et al. **J Pediatr Surg** 1981 Oct; 16(5):664–8

Intestinal stricture after necrotizing enterocolitis. Janik JS, et al. **J Pediatr Surg** 1981 Aug;16(4):438–43

Hypertrophic osteoarthropathy and pseudomembranous enterocolitis. Ueno Y, et al. **J Rheumatol** 1981 Sep–Oct; 8(5):825–8

Clostridium difficile, enterocolitis, and Hirschsprung's disease [letter] Cooperstock MS. **Lancet** 1982 Apr 3;1(8275):800

Association between Clostridium difficile and enterocolitis in Hirschsprung's disease. Thomas DF, et al. **Lancet** 1982 Jan 9;1(8263):78–9

Association of coronavirus infection with neonatal necrotizing enterocolitis. Chany C, et al. **Pediatrics** 1982 Feb;69(2):209–14

[Yersinia enterocilitica infection with severe hematuria] Rohde C, et al. **Ugeskr Laeger** 1982 Feb 15;144(7):478 (Eng. Abstr.) **(Dan)**

[Necrotizing enterocolitis associated with agranulocytosis are major forms of pseudomembranous colitis (author's transl)] Couzigou P, et al. **Gastroenterol Clin Biol** 1982 Jan; 6(1):48–51 **(Fre)**

[Perforation of the appendix in neonatal necrotizing enterocolitis] Giraud E, et al. **Union Med Can** 1982 Apr; 111(4):383–6 (Eng. Abstr.) **(Fre)**

[Atresia and obliteration of the small bowel in cases of necrotizing enterocolitis (author's transl)] Sigge W, et al. **Z Kinderchir** 1981 Feb;32(2):104–11 (Eng. Abstr.) **(Ger)**

[Necrotizing enteritis and mucoviscidosis] Rodriguez RS, et al. **Bol Med Hosp Infant Mex** 1982 Mar;39(3):221–31 **(Spa)**

[Pseudomembranous enterocolitis in neoplasm patients. Study of 30 cases discovered at autopsy] Gil Extremera B. **Rev Esp Enferm Apar Dig** 1981 Nov;60(5):419–32 (Eng. Abstr.) **(Spa)**

DIAGNOSIS

Intussusception in a premature infant simulating neonatal necrotizing enterocolitis. Stine MJ, et al. **Am J Dis Child** 1982 Jan;136(1):76–7

Campylobacter enterocolitis. Altman MS. **Ariz Med** 1981 Dec;38(12):904–6

Necrotising enteritis in children–Part I (A clinical study). Parvathy TC, et al. **Indian Pediatr** 1981 Aug;18(8):557–62

Severe Escherichia coli septicemia mimicking necrotizing enterocolitis. Raju TN, et al. **J Natl Med Assoc** 1981 Sep; 73(9):869–72

Necrotizing enterocolitis in older infants, children, and adolescents. Moss TJ, et al. **J Pediatr** 1982 May; 100(5):764–6

Salmonella colitis clinically presenting as a pseudomembranous colitis. Hovius SE, et al. **Neth J Surg** 1982 May;34(2):81–2

Colonoscopy in the diagnosis of antibiotic-associated colitis. A prospective study. Seppälä K, et al. **Scand J Gastroenterol** 1981;16(4):465–8

[Necrotizing enteropathy] Korhoň M, et al. **Rozhl Chir** 1982 Jun;61(6):387–90 (Eng. Abstr.) **(Cze)**

[Necrotizing enterocolitis. A study of forty-six cases seen in a maternity hospital (author's transl)] Lebrun F, et al. **Ann Pediatr (Paris)** 1982 Feb;29(2):87–93 (Eng. Abstr.) **(Fre)**

[Clinical and serological diagnosis of salmonellosis today] Duka TV, et al. **Klin Med (Mosk)** 1981 Feb;59(2):104–6 (Eng. Abstr.) **(Rus)**

DRUG THERAPY

Treatment of recurrent antibiotic-associated pseudomembranous colitis. Tedesco FJ. **Am J Gastroenterol** 1982 Apr;77(4):220–1

Metronidazole and antibiotic-associated colitis [letter] Brown JR. **Br Med J [Clin Res]** 1981 Nov 14;283(6302):1334

Non-Clostridium difficile pseudomembranous colitis responding to both vancomycin and metronidazole. ? Phillips RK, et al. **Br Med J [Clin Res]** 1981 Sep 26; 283(6295):823

Pseudomembranous colitis and rifampicin [letter] Prigogine T, et al. **Chest** 1981 Dec;80(6):766–7

Pseudomembranous colitis: pathogenesis and therapy. Tedesco FJ. **Med Clin North Am** 1982 May;66(3):655–64 (56 ref.)

Treatment of antibiotic-associated enterocolitis with vancomycin. Fekety R, et al. **Rev Infect Dis** 1981 Nov–Dec;3 suppl:S273–81

[Vancomycin: treatment of staphylococcal septicemias and pseudomembranous colitis] Chevrel B. **Med Chir Dig** 1982; 11(3):217–21 **(Fre)**

[Clinical studies of miloxacin for acute intestinitis (author's transl)] Nakano M, et al. **Kansenshogaku Zasshi** 1981 Nov; 55(11):819–25 (Eng. Abstr.) **(Jpn)**

ENZYMOLOGY

[Serum acid phosphatase in the newborn infant (letter)] Gouyon JB, et al. **Arch Fr Pediatr** 1982 Jan;39(1):58 **(Fre)**

ETIOLOGY

Pseudomembranous colitis associated with an unidentified species of Clostridium. Chiu AO, et al. **Am J Clin Pathol** 1982 Sep;78(3):398–402

Age at onset of necrotizing enterocolitis. Risk factors in small infants. Wilson R, et al. **Am J Dis Child** 1982 Sep; 136(9):814–6

Antibiotic-associated hemorrhagic colitis. Gould PC, et al. **Am J Gastroenterol** 1982 Jul;77(7):491–3

Necrotising enterocolitis after neonatal cardiac catheterisation. Dickinson DF, et al. **Arch Dis Child** 1982 Jun;57(6):431–3

Spontaneous persistent pseudomembranous colitis related to Clostridium difficile in ischaemic bowel disease. Wu A. **Br Med J [Clin Res]** 1982 May 29;284(6329):1606–7

Septicemia due to Yersinia enterocolitica [letter] Martinez-Luengas F, et al. **Can Med Assoc J** 1982 Apr 1;126(7):772–3

Therapeutic rounds at The Milton S. Hershey Medical Center. Schneck DW. **Clin Ther** 1982;4(5):358, 417–8

Pseudomembranous enterocolitis: a historical and clinical review. O'Connor TW. **Dis Colon Rectum** 1981 Sep; 24(6):445–8 (34 ref.)

Invasive enterocolitis caused by Edwardsiella tarda. Marsh PK, et al. **Gastroenterology** 1982 Feb;82(2):336–8

Bacillus pumilus in the induction of clindamycin-associated enterocolitis in guinea pigs. Brophy PF, et al. **Infect Immun** 1982 Jan;35(1):289–95

Antibiotic-associated colitis—an abating enigma. Tedesco FJ. **J Clin Gastroenterol** 1981 Sep;3(3):221–4

Nonantibiotic-associated enterocolitis caused by Clostridium difficile in an infant. Hyams JS, et al. **J Pediatr** 1981 Nov; 99(5):750–2

Pathogenesis of neonatal necrotising enterocolitis [letter] **Lancet** 1982 Feb 20;1(8269):451

Pseudomembranous colitis due to rifampicin [letter] Klaui H, et al. **Lancet** 1981 Dec 5;2(8258):1294

Pathogenesis of neonatal necrotising enterocolitis. Lawrence G, et al. **Lancet** 1982 Jan 16;1(8264):137–9

Atypical Clostridium difficile colitis in neutropenic patients [letter] Rampling A, et al. **Lancet** 1982 Jul 17;2(8290):162–3

Pseudomembranous colitis: pathogenesis and therapy. Tedesco FJ. **Med Clin North Am** 1982 May;66(3):655–64 (56 ref.)

Clostridium difficile—a toxigenic pathogen. Burdon DW. **Med Lab Sci** 1981 Jul;38(3):253–8

Clostridium difficile-associated colitis: cross infection in predisposed patients with renal failure. Bruce D, et al. **NZ Med J** 1982 Apr 28;95(706):265–7

Catheter tip localization during umbilical venous exchange transfusion and necrotizing enterocolitis. Thangavel M, et al. **Pediatrics** 1982 Jun;69(6):799–800

Pseudomembranous enterocolitis and the aetiological role of Clostridium difficile. An overview of the recent literature. Moar JJ, et al. **S Afr Med J** 1981 Oct 17;60(16):623–5

Does uremic enterocolitis exist? A morphological and functional investigation of rat intestinae in chronic renal insufficiency. Gabbert H, et al. **Virchows Arch [Cell Pathol]** 1981;37(3):285–96

[Campylobacter enterocolitis following consumption of chicken] Holl H, et al. **Ned Tijdschr Geneeskd** 1982 May 22;126(21):949–51 (Eng. Abstr.) **(Dut)**

[A case of Salmonella enterocolitis] Schilder AJ, et al. **Ned Tijdschr Geneeskd** 1982 May 22;126(21):955–7 (Eng. Abstr.) **(Dut)**

[Gastro-intestinal disorders in premature neonates receiving early enteral feeding (author's transl)] Chantepie A, et al. **Arch Fr Pediatr** 1982 Feb;39(2):85–9 (Eng. Abstr.) **(Fre)**

[Acute necrotizing enterocolitis of primary ischemic origin: report on 16 cases (author's transl)] Milleret P, et al. **Chirurgie** 1981;107(3):199–204 (Eng. Abstr.) **(Fre)**

[Pseudomembranous colitis. Possible relation with cytomegalovirus infection and influenza B (letter)] Comte F, et al. **Nouv Presse Med** 1981 Nov 14;10(41):3411 **(Fre)**

[Pseudomembranous colitis] Brzozowski R, et al. **Pol Arch Med Wewn** 1981 Aug;66(2):161–6 **(Pol)**

[Clinical course of the gastrointestinal form of salmonellosis caused by associations of Salmonella with other opportunistic bacteria] Bogomolov BP, et al. **Ter Arkh** 1982;54(2):13–6 (Eng. Abstr.) **(Rus)**

[Hypothermia, respiratory distress and umbilical catheterization as risk factors in necrotizing enterocolitis (author's transl)] Rodriguez Luis JC, et al. **An Esp Pediatr** 1981 Sep;15(3):258–63 (Eng. Abstr.) **(Spa)**

[Enterocolitis caused by Shigella in an infant (clinical conference)] Alcalá H. **Bol Med Hosp Infant Mex** 1982 Jan;39(1):45–55 **(Spa)**

IMMUNOLOGY

Possible evidence for a Shwartzman reaction in pseudomembranous colitis. Behan WM, et al. **Digestion** 1982;23(3):141–50

MICROBIOLOGY

Clostridium difficile associated with pseudomembranous colitis. Occurrence in a 12-week-old infant without prior antibiotic therapy. Adler SP, et al. **Am J Dis Child** 1981 Sep;135(9):820–2

Contamination and crossinfection with Clostridium difficile in an intensive care unit. Walters BA, et al. **Aust NZ J Med** 1982 Jun;12(3):255–8

The prevalence of Clostridium difficile and toxin in a nursery population: a comparison between patients with necrotizing enterocolitis and an asymptomatic group. Sherertz RJ, et al. **J Pediatr** 1982 Mar;100(3):435–9

Is Clostridium difficile pathogenic in infants? Welch DF, et al. **J Pediatr** 1982 Mar;100(3):393–5

Virulence factors of anaerobic bacteria. Bartlett JG. **Johns Hopkins Med J** 1982 Jul;151(1):1–9 (62 ref.)

Cross-infection and Clostridium difficile [editorial] **Lancet** 1982 Aug 28;2(8296):476

[Characteristics of acute gastrointestinal diseases caused by opportunistic bacteria in young children] Kapkova ZI, et al. **Pediatriia** 1982 Feb;(2):24–6 (Eng. Abstr.) **(Rus)**

[Contribution to the study of yersiniosis in navarre] Dorronsoro I, et al. **Rev Clin Esp** 1981 Jul 15–31; 162(1–2):39–42 (Eng. Abstr.) **(Spa)**

OCCURRENCE

Epidemiologic characteristics of necrotizing enterocolitis: a population-based study. Wilson R, et al. **Am J Epidemiol** 1981 Dec;114(6):880–7

Necrotizing enterocolitis. A report of sixty-six cases. Soares D, et al. **Ann Radiol (Paris)** 1982 Feb;25(2):124–30 **(Eng, Fre)**

Epidemiologic study of necrotizing enterocolitis among low-birth-weight infants. Absence of identifiable risk factors. Kliegman RM, et al. **J Pediatr** 1982 Mar; 100(3):440–4

Age at onset of necrotizing enterocolitis: an epidemiologic analysis. Wilson R, et al. **Pediatr Res** 1982 Jan;16(1):82–5

PATHOLOGY

Campylobacter-associated enterocolitis in childhood. Report of a fatal case. Coffin CM, et al. **Am J Clin Pathol** 1982 Jul;78(1):117–23

Acute necrosis of the intestinal mucosa. Bounous G. **Gastroenterology** 1982 Jun;82(6):1457–67 (146 ref.)

Autopsy findings in bone marrow transplantation. Moir DH, et al. **Pathology** 1982 Apr;14(2):197–204

[Pseudomembranous enterocolitis: a study of 21 autopsied cases (author's transl)] Ichikawa M, et al. **Nippon Shokakibyo Gakkai Zasshi** 1981 Nov; 78(11):2096–103 (Eng. Abstr.) **(Jpn)**

PHYSIOPATHOLOGY

Necrotizing enterocolitis of the newborn. Briski LE, et al. **Ann Clin Lab Sci** 1982 May–Jun;12(3):186–93

PREVENTION & CONTROL

Breast-feeding and prevention of necrotizing enterocolitis. Winikoff B. **Am J Obstet Gynecol** 1982 Apr 1;142(7):932

Necrotising enterocolitis in the very low birthweight infant: expressed breast milk feeding compared with parenteral feeding. Eyal F, et al. **Arch Dis Child** 1982 Apr;57(4):274–6

Breast milk bank [letter] Braune K. **JOGN Nurs** 1982 May–Jun;11(3):194–5

Longevity of protection by active immunization against necrotising enteritis in Papua New Guinea [letter] Davis M, et al. **Lancet** 1982 Aug 14;2(8294):389–90

Effects of oral antibiotics on stool flora and overall sensitivity patterns in an intensive care nursery. Grylack L, et al. **Pediatr Res** 1982 Jul;16(7):509–11

RADIOGRAPHY

Neonatal necrotizing enterocolitis shown by oral metrizamide (Amipaque). Cohen MD, et al. **AJR** 1982 Jun; 138(6):1019–23

Neonatal necrotizing enterocolitis in the absence of pneumatosis intestinalis. Kliegman RM, et al. **Am J Dis Child** 1982 Jul;136(7):618–20

The plain abdominal radiograph in pseudomembranous colitis due to Clostridium difficile. Loughran CF, et al. **Clin Radiol** 1982 May 3;33(3):277–81

Campylobacter colitis: a common infectious form of acute colitis. Kollitz JP, et al. **Gastrointest Radiol** 1981;6(3):227–9

Pseudomembranous colitis in renal transplant recipients; plain film findings. Hutton L, et al. **J Can Assoc Radiol** 1981 Sep;32(3):149–52

Reading x-rays [letter] Bowen A. **Pediatrics** 1981 Oct; 68(4):612

Critical evaluation of the persistent loop sign in necrotizing enterocolitis. Leonard T Jr, et al. **Radiology** 1982 Feb; 142(2):385–6

[Plain film observations of necrotizing enterocolitis in infants (author's transl)] Liu A. **Chung Hua Fang She Hsueh Tsa Chih** 1981 Aug;15(3):182–4 **(Chi)**

[The radiology of necrotizing enterocolitis in infants (a report of 24 cases) (author's transl)] Zhu DC. **Chung Hua Fang She Hsueh Tsa Chih** 1981 Aug; 15(3):178–81 **(Chi)**

SURGERY

Anaesthetic implications of neonatal necrotizing enterocolitis. Haselby KA, et al. **Can Anaesth Soc J** 1982 May; 29(3):255–9

Necrotising enterocolitis in older infants. Kalani BP, et al. **Indian Pediatr** 1981 Aug;18(8):587–91

Importance of early ileostomy closure to prevent chronic salt and water losses after necrotizing enterocolitis. Rothstein FC, et al. **Pediatrics** 1982 Aug;70(2):249–53

[Operation and prognosis of necrotizing enterocolitis in the newborn (author's transl)] Reuter-Deilmann I, et al. **Z Kinderchir** 1981 Feb;32(2):99–104 (Eng. Abstr.) **(Ger)**

[Necrotizing enterocolitis (NEC) – pathogenesis and therapy (author's transl)] Schweizer P, et al. **Z Kinderchir** 1981 Jun; 33(2):128–36 (Eng. Abstr.) **(Ger)**

[Necrotising enteritis (author's transl)] Weckner W, et al. **Zentralbl Chir** 1982;107(7):369–77 (Eng. Abstr.) **(Ger)**

THERAPY

Transfusions of polymorphonuclear leukocytes (PMN) in an infant with necrotizing enterocolitis (NEC) and a defect of phagocytosis [letter] De Curtis M, et al. **J Pediatr** 1981 Oct;99(4):665–6

[Acute hemorrhagic necrotizing enteritis (author's transl)] Li JQ. **Chung Hua Wai Ko Tsa Chih** 1982 Mar;20(3):156–7 (Eng. Abstr.) **(Chi)**

[Treatment of necrotizing enteritis using peritoneal drainage. Presentation of a clinical case (author's transl)] Piovesan A, et al. **Pediatr Med Chir** 1981 Jan-Feb;3(1):111–2 (Eng. Abstr.) **(Ita)**

TRANSMISSION

Possible foodborne transmission in a case of pseudomembranous colitis due to Clostridium difficile: influence of gastrointestinal secretions on Clostridium difficile infection. Gurian L, et al. **Gastroenterology** 1982 Aug;83(2):465–9

[Is pseudomembranous colitis infectious? (author's transl)] Brandes JW, et al. **Z Gastroenterol** 1981 Aug;19(8):377–83 (Eng. Abstr.) **(Ger)**

ENTEROCOLITIS, NECROTIZING see **ENTEROCOLITIS, ACUTE**

ENTEROCOLITIS, PSEUDOMEMBRANOUS see **ENTEROCOLITIS, ACUTE**

ENTEROGASTRONE see under **GASTROINTESTINAL HORMONES**

ENTEROGLUCAGON see under **GASTROINTESTINAL HORMONES**

ENTEROHEPATIC CIRCULATION

Absorption, enterohepatic circulation, and excretion of 5-aminosalicylic acid in rats. Shafii A, et al. **Am J Gastroenterol** 1982 May;77(5):297–9

The role of the enterohepatic cycle in folate supply to tumour in rats. Steinberg SE, et al. **Br J Haematol** 1982 Feb; 50(2):309–16

Enterohepatic circulation of methotrexate in rats in vivo. Steinberg SE, et al. **Cancer Res** 1982 Apr;42(4):1279–82

Enterohepatic circulation of the mercapturic acid and cysteine conjugates of propachlor. Bakke JE, et al. **Drug Metab Dispos** 1981 Nov-Dec;9(6):525–8

Enterohepatic circulation in rat and dog of 14C-0-[3-(4-less than 2-methoxyphenyl greater than-1-piperazinyl)-2-hydroxypropyl]-3-methoxy-benzal dihydrochloride and it's demethylated metabolite. Paul H, et al. **Eur J Drug Metab Pharmacokinet** 1981;6(4):303–12

Physiologic cholestasis II: serum bile acid levels reflect the development of the enterohepatic circulation in rats. Belknap WM, et al. **Hepatology** 1981 Nov-Dec;1(6):613–6

Enterohepatic circulation in man of a gamma-emitting bile-acid conjugate, 23-selena-25-homotaurocholic acid (SeHCAT). Merrick MV, et al. **J Nucl Med** 1982 Feb; 23(2):126–30

Pharmacokinetic and biopharmaceutic parameters during enterohepatic circulation of drugs. Colburn WA. **J Pharm Sci** 1982 Jan;71(1):131–3

A time-lag model for pharmacokinetics of drugs subject to enterohepatic circulation. Steimer JL, et al. **J Pharm Sci** 1982 Mar;71(3):297–302

A practical method for monitoring drug excretion and enterohepatic circulation in the rat. Tse FL, et al. **J Pharmacol Methods** 1982 Mar;7(2):139–44

Crohn's disease and the enterohepatic circulation. Nyhlin H, et al. **Med Hypotheses** 1981 Jun;7(6):695–701

Effects of interruption of the enterohepatic circulation of bile acids on the transport of very low density-lipoprotein triglycerides. Beil U, et al. **Metabolism** 1982 May; 31(5):438–44

Biliary secretion in conscious rabbits: role of the enterohepatic circulation of bile salts and of the gall bladder. Esteller A, et al. **Q J Exp Physiol** 1981 Oct; 66(4):349–57

Biliary response to food in rabbits: role of the gall bladder and the enterohepatic circulation of bile salts. Esteller A, et al. **Q J Exp Physiol** 1981 Oct;66(4):359–65

[Effect of obstructive malformations on the gastrointestinal tract on bilirubin levels in newborn infants] Giancola G, et al. **Pediatr Med Chir** 1982 Jan-Apr;4(1-2):115–8 (Eng. Abstr.) **(Ita)**

[Role of the enterohepatic circulation of endogenous lipids in food lipid absorption] Gal'perin IuM, et al. **Fiziol Zh SSSR** 1982 Jan;68(1):100–6 (Eng. Abstr.) **(Rus)**

DRUG EFFECTS

Does adriamycin undergo an enterohepatic circulation? Tavoloni N, et al. **Proc Soc Exp Biol Med** 1982 Jan; 169(1):41–6

ENTEROHEPATITIS, AVIAN see **HISTOMONIASIS**

ENTEROPATHY, EXUDATIVE see **PROTEIN-LOSING ENTEROPATHIES**

ENTEROPEPTIDASE see under **PEPTIDE PEPTIDOHYDROLASES**

ENTEROTOXEMIA see under **CLOSTRIDIUM INFECTIONS**

ENTEROTOXINS

see related
STAPHYLOCOCCAL FOOD POISONING

Inactivation of staphylococcal enterotoxin A by chemical modification. Stelma GN Jr, et al. **Biochem Biophys Res Commun** 1982 Mar 15;105(1):121–6

Analysis of the near-ultraviolet circular dichroic spectra of staphylococcal enterotoxins A, B and C. Spero L. **Biochim Biophys Acta** 1981 Dec 29;671(2):193–20

Subunit number and arrangement in Escherichia coli heat-labile enterotoxin. Gill DM, et al. **Infect Immun** 1981 Sep;33(3):677–82

In vitro formation of hybrid toxins between subunits of Escherichia coli heat-labile enterotoxin and those of cholera enterotoxin. Takeda Y, et al. **Infect Immun** 1981 Nov;34(2):341–6

Properties of staphylococcal enterotoxin A under limited proteolysis. Ezepchuk YuV, et al. **Int J Biochem** 1982; 14(6):505–10

Interferons and detoxication of bacterial products. Elomaa E. **Med Hypotheses** 1982 Jan;8(1):111–2

Molecular properties of cholera enteroxin. Okajima Y, et al. **Tokai J Exp Clin Med** 1981 Apr;6(2):193–201

ANALYSIS

A sandwich ELISA method for detection of Staphylococcus aureus enterotoxins. Berdal BP, et al. **Acta Pathol Microbiol Scand [B]** 1981 Dec;89(6):411–5

Enterotoxin production by Staphylococcus aureus related to the origin of the strains. Olsvik O, et al. **Acta Pathol Microbiol Scand [B]** 1981 Dec;89(6):423–6

Identification of low levels of heat labile enterotoxin in Escherichia coli from children with diarrhoea. Otnaess AB, et al. **Acta Pathol Microbiol Scand [B]** 1981 Jun;89(3):173–7

An enterotoxin-like protein in Staphylococcus aureus strains from patients with toxic shock syndrome. Bergdoll MS, et al. **Ann Intern Med** 1982 Jun;96(6 Pt 2):969–71

Incidence of ketamine-induced emesis in cynomologus monkeys (Macaca fascicularis) used for staphylococcal enterotoxin bioassay. Adesiyun AA, et al. **Br J Exp Pathol** 1982 Jun;63(3):330–5

Vascular permeability activity in Escherichia coli heat-stable enterotoxin. Craig JP, et al. **Infect Immun** 1981 Aug; 33(2):473–6

Comparison of heat-labile enterotoxins from porcine and human strains of Escherichia coli. Geary SJ, et al. **Infect Immun** 1982 Apr;36(1):215–20

Staining technique for peptides of Escherichia coli heat-stable enterotoxin. Pesti L, et al. **Infect Immun** 1981 Sep;33(3):944–7

Improved radioimmunoassay of Staphylococcal enterotoxin a. Dickie N, et al. **J Assoc Off Anal Chem** 1982 Jan; 65(1):180–4

Improvements in the passive immun. hemolysis test for assaying enterotoxigenic Escherichia coli. de Castro AF, et al. **J Clin Microbiol** 1980 Nov;12(5):714–7

GM1 ganglioside enzyme-linked immunosorbent assay for detection of heat-labile enterotoxin produced by human and porcine Escherichia coli strains. Gustafsson B, et al. **J Clin Microbiol** 1982 Feb;15(2):298–301

Further evaluation of the Biken test (modified Elek test) for detection of enterotoxigenic Escherichia coli producing heat-labile enterotoxin and application of the test to sampling of heat-stable enterotoxin. Honda T, et al. **J Clin Microbiol** 1982 Jul;16(1):60–2

Single radial immune hemolysis test for detection of Escherichia coli thermolabile enterotoxin. Serafim MB, et al. **J Clin Microbiol** 1981 Nov;14(5):473–8

Value of passive immune hemolysis for detection of heat-labile enterotoxin produced by enterotoxigenic Escherichia coli. Tsukamoto T, et al. **J Clin Microbiol** 1980 Dec;12(6):768–71

Detection of enterotoxins of Aeromonas hydrophila by a suckling-mouse test. Burke V, et al. **J Med Microbiol** 1981 Nov;14(4):401–8

Determination of Escherichia coli enterotoxin and cholera toxin by radioimmunoassay. Ceska M. **Methods Enzymol** 1982;84 Pt D:238–53

Radioimmunoassay of staphylococcal enterotoxin C. Dickie N, et al. **Methods Enzymol** 1982;84 Pt D:254–64

[A simple method for the detection of staphylococcal enterotoxin type B in vanilla custard using the ELISA (author's transl)] Büning-Pfaue H, et al. **Z Lebensm Unters Forsch** 1981;173(5):351–5 (Eng. Abstr.) **(Ger)**

[Enterotoxigenic Staphylococcus aureus in creamy pastries sold in bakeries and pastry shops in the municipality of São Paulo, Brazil] Iaria ST. **Rev Saude Publica** 1981 Jun; 15(3):321–37 (Eng. Abstr.) **(Por)**

[Production of an erythrocytic ganglioside diagnostic reagent for detecting cholera enterotoxin and toxoid in indirect hemagglutination tests] Dolmatova LA, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1981 Oct;(10):101–4 (Eng. Abstr.) **(Rus)**

[Direct determination of staphylococcal enterotoxin type A in food] Kalember-Radosavljević M. **Vojnosanit Pregl** 1982 Mar-Apr;39(2):84–7 **(Ser)**

ANTAGONISTS & INHIBITORS

Effect of fractions of Ethiopian And Norwegian colostrum on rotavirus and Escherichia coli heat-labile enterotoxin. Otnaess AB, et al. **Infect Immun** 1981 Aug;33(2):459–66

Non-immunoglobulin fraction of human milk protects rabbits against enterotoxin-induced intestinal fluid secretion. Otnaess AB, et al. **Infect Immun** 1982 Feb;35(2):738–40

Berberine inhibits intestinal secretory response of Vibrio cholerae and Escherichia coli enterotoxins. Sack RB, et al. **Infect Immun** 1982 Feb;35(2):471–5

[Production of a monovalent staphylococcal enterotoxic antiserum type A and its use for typing staphylococcal enterotoxins] Fluer FS, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1982 Apr;(4):107–10 (Eng. Abstr.) **(Rus)**

BIOSYNTHESIS

Klebsiella pneumoniae enterotoxin. I. Effect of aeration on production and toxicity assay in animals. Jhanjee A, et al. **Acta Microbiol Acad Sci Hung** 1982;29(1):1–7

Transfer of drug resistance and enterotoxin production in porcine Escherichia coli strains and relationship between K88 antigen and raffinose (melitose) fermentation. de Lopez AG, et al. **Am J Vet Res** 1982 Mar;43(3):499–501

Enterotoxin production and resistance to antimicrobial agents in porcine and bovine Escherichia coli strains. de Lopez AG, et al. **Am J Vet Res** 1982 Jul;43(7):1286–7

Endogenous radiolabeling of enterotoxin from Clostridium perfringens type A on a defined medium. Granum PE, et al. **Appl Environ Microbiol** 1981 Oct;42(4):596–8

Enterotoxin production in milk at 22 and 4 degrees C by Escherichia coli and Yersinia enterocolitica. Olsvik O, et al. **Appl Environ Microbiol** 1982 May;43(5):997–1000

Cytotoxicity and suckling mouse reactivity of Aeromonas hydrophila isolated from human sources. Johnson WM, et al. **Can J Microbiol** 1981 Oct;27(10):1019–27

Production of phospholipase A and enterotoxin by isolates of Escherichia coli from urinary and gastrointestinal tracts. Hashia R, et al. **Indian J Med Res** 1981 Nov;74:656–61

Plasmids carrying genes for enterotoxin production and drug resistance in Escherichia coli of human origin. Panhotra BR, et al. **Indian J Med Res** 1981 Nov;74:652–5

Enterotoxicity of heat-labile (LT) enterotoxin of enteropathogenic E. coli (EPEC) strains on HeLa cell line monolayer tissue culture system. Tewari L, et al. **Indian J Pathol Microbiol** 1981 Apr;24(2):127–134b

Pilus production, hemagglutination, and adhesion by porcine strains of enterotoxigenic Escherichia coli lacking K88, K99, and 987P antigens. Awad-Masalmeh M, et al. **Infect Immun** 1982 Jan;35(1):305–13

Hemagglutination activity and colonization factor antigens I and II in enterotoxigenic and non-enterotoxigenic strains of Escherichia coli isolated from humans. Cravioto A, et al. **Infect Immun** 1982 Apr;36(1):189–97

Plasmid-chromosomal transition of genes important in staphylococcal enterotoxin B expression. Dyer DW, et al. **Infect Immun** 1981 Aug;33(2):450–8

Salmonella toxin synthesis is unrelated to the presence of temperate bacteriophages. Houston CW, et al. **Infect Immun** 1982 Feb;35(2):749–51

Stimulation of Clostridium perfringens enterotoxin formation by caffeine and theobromine. Labbe RG, et al. **Infect Immun** 1981 Oct;34(1):50–4

Purification and partial characterization of a putative precursor to staphylococcal enterotoxin B. Tweten RK, et al. **Infect Immun** 1981 Dec;34(3):900–7

Enterotoxigenicity of Staphylococcus aureus strains isolated from poultry: raw poultry carcases as a potential food-poisoning hazard. Harvey J, et al. **J Appl Bacteriol** 1982 Apr;52(2):251–8

Enterotoxigenic staphylococci in Sri Lanka. Palasuntheram C, et al. **J Appl Bacteriol** 1982 Feb;52(1):39–41

Probing for enterotoxigenicity among the salmonellae: an evaluation of biological assays. Jiwa SF. **J Clin Microbiol** 1981 Nov;14(5):463–72

Frequency of Escherichia coli strains producing heat-labile toxin or heat-stable toxin or both in children with and without diarrhea in São Paulo. Reis MH, et al. **J Clin Microbiol** 1982 Jun;15(6):1062–4

The enterotoxigenicity of strains of Escherichia coli isolated from the faeces of healthy people and cattle. Bettelheim KA, et al. **J Hyg (Lond)** 1982 Feb;88(1):121-3

Enterotoxin A and B production in strains of Staphylococcus aureus isolated from human beings and foods. Reali D. **J Hyg (Lond)** 1982 Feb;88(1):103-6

Diarrhea caused by adherent enteropathogenic E. coli [letter] Rothbaum RJ, et al. **J Pediatr** 1982 Sep;101(3):486

Experimental production of staphylococcal enterotoxins A, B, and C on rice flour gel medium. Shinagawa K, et al. **Jpn J Med Sci Biol** 1982 Feb;35(1):1-8

A simple assay to detect Escherichia coli producing heat labile enterotoxin: results of a field study of the Biken tests in Bangladesh. Honda T, et al. **Lancet** 1981 Sep 19; 2(8247):609-10

Etiologic studies on enterotoxigenic Escherichia coli among isolates from domestic animals in Japan. Ueda H, et al. **Natl Inst Anim Health Q (Tokyo)** 1981 Summer;21(2):108-9

Enterotoxin production by Staphylococcus aureus strains isolated from humans, foods and animals in Malaysia. Lim YS, et al. **Southeast Asian J Trop Med Public Health** 1982 Mar;13(1):133-7

Cultural methods for the production of heat-stable enterotoxin by porcine strains of Escherichia coli and its detection by the infant mouse test. Olsson E. **Vet Microbiol** 1982 Jul;7(3):253-66

Occurrence and transfer of plasmids for antibiotic resistance and enterotoxin production in enterotoxigenic Escherichia coli of swine origin. Semjén G, et al. **Zentralbl Veterinarmed [B]** 1981;28(8):639-44

[Toxic shock syndrome caused by Staphylococcus aureus group II producing enterotoxin B (letter)] Granthil C, et al. **Nouv Presse Med** 1982 Jan 9;11(1):54 **(Fre)**

[Staphylococcus aureus from cows with subclinical udder infection] Brückler J, et al. **Zentralbl Veterinarmed [B]** 1981; 28(6):494-9 (Eng. Abstr.) **(Ger)**

[Enterotoxin production by Klebsiella pneumoniae isolated from sick children] Bilińska M, et al. **Med Dosw Mikrobiol** 1981;33(1):47-50 (Eng. Abstr.) **(Pol)**

[Enterotoxigenic properties and antibiotic resistance of enterobacteria in postirradiation dysbacteriosis] Korshunov VM, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1981 Nov; (11):36-41 **(Rus)**

[Detection of enterotoxigenic Escherichia in patients with diarrhea of undetermined etiology using experimental models] Romanenkova NI, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1981 Jul;(7):99-103 (Eng. Abstr.) **(Rus)**

[Enterotoxigenic capacity and properties related to this characteristic in staphylococci isolated from mastitic milk] García ML, et al. **Microbiol Esp** 1979-1980;32-33:53-63 (Eng. Abstr.) **(Spa)**

GENETICS

Chromosomal mapping of a gene affecting enterotoxin A production in Staphylococcus aureus. Mallonee DH, et al. **Appl Environ Microbiol** 1982 Feb;43(2):397-402

Genetic labeling of an Ent plasmid that encodes heat-stable enterotoxin of enterotoxigenic Escherichia coli isolated from patients. Takeda T, et al. **Biken J** 1981 Dec; 24(4):127-35

A study of the dissemination of Tn1681: a bacterial transposon encoding a heat-stable toxin among enterotoxigenic Escherichia coli isolates. So M, et al. **Cold Spring Harbor Symp Quant Biol** 1980;45 Pt 1:53-8

Structural analysis of plasmid pSN2 in Staphylococcus aureus: no involvement in enterotoxin B production. Khan SA, et al. **J Bacteriol** 1982 Feb;149(2):642-9

Mapping of a plasmid, coding for colonization, factor antigen I and heat-stable enterotoxin production, isolated from an enterotoxigenic strain of Escherichia coli. Smith HR, et al. **J Bacteriol** 1982 Jan;149(1):264-75

Molecular organization of heat-labile enterotoxin genes originating in Escherichia coli of human origin and construction of heat-labile toxoid-producing strains. Yamamoto T, et al. **J Bacteriol** 1981 Dec;148(3):983-7

Escherichia coli heat-labile enterotoxin. Nucleotide sequence of the A subunit gene. Spicer EK, et al. **J Biol Chem** 1982 May 25;257(10):5716-21

Identification of enterotoxigenic Escherichia coli by colony hybridization using three enterotoxin gene probes. Moseley SL, et al. **J Infect Dis** 1982 Jun;145(6):863-9

Expression of cloned cholera enterotoxin gene in Escherichia coli and possibilities of vaccine development [letter] Gennaro ML, et al. **Lancet** 1982 May 29;1(8283):1239-40

Cloned cholera enterotoxin genes in study and prevention of cholera [letter] Kaper JB, et al. **Lancet** 1981 Nov 21; 2(8256):1162-3

Plasmids coding for enterotoxins, K88 antigen and colicins in porcine Escherichia coli strains of O-group 149. Franklin A, et al. **Med Microbiol Immunol (Berl)** 1981;170(2):63-72

Isolation of enterotoxin structural gene deletion mutations in Vibrio cholerae induced by two mutagenic vibriophages. Mekalanos JJ, et al. **Proc Natl Acad Sci USA** 1982 Jan; 79(1):151-5

IMMUNOLOGY

Immune protection against enterotoxinogenic E. coli: search for synergy between antibodies to enterotoxin and somatic antigens. Svennerholm AM, et al. **Acta Pathol Microbiol Immunol Scand [C]** 1982 Feb; 90(1):1-6

An enterotoxin-like protein in Staphylococcus aureus strains from patients with toxic shock syndrome. Bergdoll MS, et al. **Ann Intern Med** 1982 Jun;96(6 Pt 2):969-71

Production and evaluation of antibody to the heat-stable enterotoxin from a human strain of enterotoxigenic Escherichia coli. Kauffman PE. **Appl Environ Microbiol** 1981 Oct;42(4):611-4

Immunological cross-reactivity of enterotoxins of Aeromonas hydrophila and cholera toxin. James C, et al. **Clin Exp Immunol** 1982 Jan;47(1):34-42

Co-agglutination and latex agglutination tests for the detection of Escherichia coli enterotoxin. Panhotra BR, et al. **Indian J Med Res** 1981 Nov;74:662-7

Immunological nonidentity of heat-labile enterotoxins from human and porcine enterotoxigenic Escherichia coli. Honda T, et al. **Infect Immun** 1981 Nov;34(2):337-40

Isolation of special antibodies which react only with homologous enterotoxins from Vibrio cholerae and Enterotoxigenic Escherichia coli. Honda T, et al. **Infect Immun** 1981 Nov;34(2):333-6

Protection in rats immunized with Escherichia coli heat-stable enterotoxin. Klipstein FA, et al. **Infect Immun** 1981 Nov;34(2):637-9

Antitoxic immunity in cholera and enterotoxigenic Escherichia coli (ETEC) diarrhea. DuPont HL, et al. **Pharmacol Ther** 1981;13(2):249-55 (54 ref.)

Antibodies to heat-labile Escherichia coli enterotoxins in human milk and sera. A study of Ethiopian and Swedish mothers and their children. Aust-Kettis A, et al. **Trop Geogr Med** 1981 Sep;33(3):225-30

Detection of antibody to E. coli heat-labile enterotoxin in bovine sera samples from various regions of France. Dobrescu L, et al. **Zentralbl Veterinarmed [B]** 1981; 28(4):341-3

[Production of anti-enterotoxin antiserum to Clostridium perfringens type A toxin] Bakulin IN, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1981 Oct;(10):111-2 **(Rus)**

ISOLATION & PURIFICATION

Separation and characterization of enterotoxin and two haemolysins from Aeromonas hydrophila. Ljungh A, et al. **Acta Pathol Microbiol Scand [B]** 1981 Dec;89(6):387-97

Toxin-producing bacteria in infants. Lack of an association with sudden infant death syndrome. Gurwith MJ, et al. **Am J Dis Child** 1981 Dec;135(12):1104-6

Haemagglutination and buccal epithelial cell adherence of enterotoxigenic Escherichia coli isolated from infants with acute diarrhoeal disease. Panhotra BR, et al. **Indian J Med Res** 1981 Aug;74:187-91

Enterotoxigenic and enteropathogenic Escherichia coli isolated from hospital food. Panhotra BR, et al. **Indian J Med Res** 1981 Aug;74:183-6

Purification and separation of heat-labile enterotoxin of enteropathogenic Escherichia coli by simple agarose gel electrophoresis. Tewari L, et al. **Indian J Med Res** 1982 Jan;75:16-8

A study of heat-stable enterotoxins of enteropathogenic coli: Part II. Chemical nature of toxic fractions. Tewari L, et al. **Indian J Med Sci** 1981 May;35(5):104-8

A study on heat-stable enterotoxins of enteropathogenic E. coli: Part I. Fractionation by agar gel electrophoresis. Tewari L, et al. **Indian J Med Sci** 1981 May;35(5):99-103

Further purification and characterization of heat-stable enterotoxin produced by Yersinia enterocolitica. Okamoto K, et al. **Infect Immun** 1982 Mar;35(3):958-64

Comparison of paired whole milk and dried filter paper samples for anti-enterotoxin and anti-rotavirus activities. Brown SE 3d, et al. **J Clin Microbiol** 1982 Jul;16(1):103-6

Staphylococcal enterotoxin A (SEA). Spero L, et al. **Methods Enzymol** 1981;78(Pt A):331-6

Isolation of Salmonella wien heat-labile enterotoxin. Caprioli A, et al. **Microbiologica** 1982 Jan;5(1):1-10

Shigella toxin(s): description and role in diarrhea and dysentery. Keusch GT, et al. **Pharmacol Ther** 1981; 15(3):403-38 (172 ref.)

Application of hydrophobic interaction chromatography to purification of Escherichia coli heat-stable enterotoxin. Stavric S, et al. **Toxicon** 1981;19(6):743-7

[Application of SP-sephadex chromatography to the purification of staphylococcal enterotoxin D and E (author's transl)] Oda T. **Nippon Saikingaku Zasshi** 1980 May;35(3):559-67 (Eng. Abstr.) **(Jpn)**

[3-stage method of preparing a homogeneous preparation of Type A staphylococcal enterotoxin] Fluer FS, et al. **Lab Delo** 1981;(12):746-8 (Eng. Abstr.) **(Rus)**

[Use of stationary-growth broth cultures for obtaining Escherichia enterotoxins. I. Study of the preparations from reference strains of enterotoxigenic Escherichia] Kleganov VK. **Zh Mikrobiol Epidemiol Immunobiol** 1982 Mar; (3):45-8 (Eng. Abstr.) **(Rus)**

[Use of stationary-growth broth cultures for obtaining Escherichia enterotoxins. II. Study of Escherichia preparations isolated from diarrhea patients] Romanenkova NI, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1982 Mar; (3):63-6 (Eng. Abstr.) **(Rus)**

METABOLISM

Comparison of the binding of cholera and Escherichia coli enterotoxins to Y1 adrenal cells. Donta ST, et al. **Biochemistry** 1982 Feb 16;21(4):660-4

Specific receptor binding of staphylococcal enterotoxins by murine splenic lymphocytes. Buxser S, et al. **Infect Immun** 1981 Sep;33(3):827-33

NAD-glycohydrolase activity of staphylococcal entertoxin A (SEA). Ezepchuk YuV, et al. **Int J Biochem** 1981; 13(12):1269-71

Release of heat-labile enterotoxin subunits by Escherichia coli. Yamamoto T, et al. **J Bacteriol** 1982 Jun;150(3):1482-4

Detection of staphylococcal enterotoxigenicity. III. Strains isolated in 1979-1980. Petrás P, et al. **J Hyg Epidemiol Microbiol Immunol** 1982;26(1):95-101

[Factors of virulence of enterotoxigenic Escherichia coli. Enterotoxins (author's transl)] Bielaszewská M. **Cesk Epidemiol Mikrobiol Imunol** 1982 May;31(3):178-90 (93 ref.) (Eng. Abstr.) **(Cze)**

PHARMACODYNAMICS

Organic acid proton donors decrease intestinal secretion caused by enterotoxins. Forsyth GW, et al. **Am J Physiol** 1981 Sep;241(3):G227-34

cGMP modulation of ileal ion transport: in vitro effects of Escherichia coli heat-stable enterotoxin. Guandalini S, et al. **Am J Physiol** 1982 Jul;243(1):G36-41

Inhibition of Escherichia coli heat-stable enterotoxin effects on intestinal guanylate cyclase and fluid secretion by quinacrine. Greenberg RN, et al. **Biochem Pharmacol** 1982 Jun 1;31(11):2005-9

Morphologic and functional effects of Clostridium difficile enterotoxin in tissue culture. Gurwith MJ, et al. **Can J Microbiol** 1982 Jan;28(1):100-5

Effect of chemical and pharmacological agents on the secretory activity induced by Escherichia coli heat-stable enterotoxin. Knoop FC, et al. **Can J Microbiol** 1981 Aug; 27(8):754-8

Chlorpromazine inhibition of enterotoxin-induced fluid secretion and cAMP production in rat ileum. Olsvik O, et al. **Eur J Pharmacol** 1982 Jun 4;80(4):369-76

Elevation of adenosine 3' 5' cyclic monophosphate level by Aeromonas hydrophila enterotoxin. Dubey RS, et al. **Indian J Med Res** 1981 Nov;74:668-74

Lanthanum chloride inhibition of the secretory response to Escherichia coli heat-stable enterotoxin. Greenberg RN, et al. **Infect Immun** 1982 Feb;35(2):483-8

Emetic action of staphylococcal enterotoxin A on weanling pigs. Taylor SL, et al. **Infect Immun** 1982 Jun;36(3):1263-6

Use of indomethacin to demonstrate enterotoxic activity in extracts of Entamoeba histolytica trophozoites. Udezulu IA, et al. **Infect Immun** 1982 May;36(2):795-801

In vivo effects of enterotoxin from Clostridium perfringens type A in the rabbit colon: binding vs. biologic activity. McDonel JL, et al. **J Infect Dis** 1982 Apr;145(4):490-4

The effect of calcium and prostaglandin inhibitors on the intestinal fluid response to heat-stable enterotoxin of Escherichia coli. Thomas DD, et al. **J Infect Dis** 1982 Feb; 145(2):141-7

Induction of human gamma-interferon in lymphoid cells by Staphylococcus enterotoxin B; partial purification. von Wussow P, et al. **J Interferon Res** 1982;2(1):11-20

Effect of Escherichia coli heat-stable enterotoxin, cholera toxin and theophylline on ion transport in porcine colon. Argenzio RA, et al. **J Physiol (Lond)** 1981 Nov;320:469-87

Mechanism of action of choleragen and E. coli heat-labile enterotoxin: activation of adenylate cyclase by ADP-ribosylation. Moss J, et al. **Mol Cell Biochem** 1981 Jul 7;37(2):75-90

Early enteritis, enterotoxins E. coli and seizure threshold. Elomaa E. **Monogr Neural Sci** 1981;5:32-3

Effect of propranolol on the secretory activity of Escherichia coli heat-stable enterotoxin in the suckling mouse assay. Bertin A. **Zentral Bakteriol Mikrobiol Hyg [A]** 1982 Apr; 251(4):522-8

TOXICITY

Enteritis in foals induced by rotavirus and enterotoxigenic Escherichia coli. Tzipori S, et al. **Aust Vet J** 1982 Jan; 58(1):20-3

Potentiating effect of bile on enterotoxin-induced diarrhea. Lange S, et al. **Infect Immun** 1982 Feb;35(2):391-5

Effect of pectin on secretion in pig jejunal loops challenged to enteropathogenic E. coli or enterotoxin (LT). A preliminary report. Larsen JL. **Nord Vet Med** 1981 Apr-May;33(4-5):218-23

E. coli heat-stable enterotoxin. Greenberg RN, et al. **Pharmacol Ther** 1981;13(3):507-31 (265 ref.)

[A report on severe diarrhea caused by Escherichia coli enterotoxin (author's transl)] Lin CS. **Chung Hua Yu Fang I Hsueh Tsa Chih** 1981 Mar; 15(2):101-2 **(Chi)**

[Biological characteristics of enteropathogenic and enterotoxigenic Escherichia] Kleganov VK. **Zh Mikrobiol Epidemiol Immunobiol** 1981 Jun;(6):61-4 (Eng. Abstr.) **(Rus)**

[Use of stationary-growth broth cultures for obtaining Escherichia enterotoxins. II. Study of Escherichia preparations isolated from diarrhea patients] Romanenkova NI, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1982 Mar; (3):63-6 (Eng. Abstr.) **(Rus)**

[Enterotoxic activity of the pseudotuberculosis microbe] Timchenko NF, et al.

Zh Mikrobiol Epidemiol Immunobiol 1981 Jun;(6):55–8 (Eng. Abstr.) **(Rus)**

ENTEROVIRUS INFECTIONS

Neurovirulence of enterovirus 70 [editorial] **Lancet** 1982 Feb 13;1(8268):373–4

Neurological manifestation of acute haemorrhagic conjunctivitis due to enterovirus 70 [letter] John TJ, et al. **Lancet** 1981 Dec 5;2(8258):1283–4

Antibody titres to enterovirus type 70 in the 1981 Indian epidemic of acute haemorrhagic conjunctivitis [letter] Kono R, et al. **Lancet** 1981 Oct 24;2(8252):924–5

COMPLICATIONS

An animal model of congestive (dilated) cardiomyopathy: dilatation and hypertrophy of the heart in the chronic stage in DBA/2 mice with myocarditis caused by encephalomyocarditis virus. Matsumori A, et al. **Circulation** 1982 Aug;66(2):355–60

EEG study on the effect of anticonvulsant prophylaxis in enterovirus 71 induced morbid conditions. Zahariev ZI. **Folia Med (Plovdiv)** 1981;23(3–4):35–40

A one-year virological survey of acute intussusception in childhood. Nicolas JC, et al. **J Med Virol** 1982;9(4):267–71

DIAGNOSIS

A concise review: common viral exanthems and enanthems. Behbehani AM. **J Kans Med Soc** 1981 Oct;82(10):442–6

[Diagnostic value of CF antibody titration in human enterovirus infections (author's transl)] Hasegawa A, et al. **Rinsho Byori** 1982 Mar;30(3):266–8 **(Jpn)**

[An epidemic of enteroviral infections in 1979—clinical manifestations (author's transl)] Kačić M, et al. **Lijec Vjesn** 1982 Feb;104(2):49–54 (Eng. Abstr.) **(Scr)**

DRUG THERAPY

Mechanism of antiviral action of quercetin against cardiovirus infection in mice. Veckenstedt A, et al. **Antiviral Res** 1981 Nov;1(4):249–61

Antiviral activity of bacteria-derived human alpha interferons against encephalomyocarditis virus infection of mice. Weck PK, et al. **Infect Immun** 1982 Feb;35(2):660–5

ENZYMOLOGY

Depression of hepatic cytochrome P-450-dependent mixed function oxidases during infection with encephalomyocarditis virus. Renton KW. **Biochem Pharmacol** 1981 Aug 15;30(16):2333–6

FAMILIAL & GENETIC

[Translation initiation factor activity in Krebs-2 cells infected with the encephalomyocarditis virus] Dizhur AM, et al. **Dokl Akad Nauk SSSR** 1981;261(4):1013–6 **(Rus)**

IMMUNOLOGY

Seroepidemiologic studies of acute hemorrhagic conjunctivitis virus (enterovirus type 70) in West Africa. II. Studies with human sera collected in West African countries other than Ghana. Kono R, et al. **Am J Epidemiol** 1981 Aug;114(2):274–83

Seroepidemiologic studies of acute hemorrhagic conjunctivitis virus (enterovirus type 70) in West Africa. III. Studies with animal sera from Ghana and Senegal. Kono R, et al. **Am J Epidemiol** 1981 Sep;114(3):362–8

Seroepidemiologic studies of acute hemorrhagic conjunctivitis virus (enterovirus type 70) in West Africa. I. Studies with human sera from Ghana collected eight years after the first outbreak. Minami K, et al. **Am J Epidemiol** 1981 Aug;114(2):267–73

Interferon induction by viruses. VII. Mengovirus: 'interferon-sensitive' mutant phenotype attributed to interferon-inducing particle activity. Marcus PI, et al. **J Interferon Res** 1981;1(4):601–11

[Dynamics of the specific antibody titers in eye diseases of influenzal and enteroviral etiology] Belogubko EI, et al. **Oftalmol Zh** 1981;36(3):173–5 (Eng. Abstr.) **(Rus)**

METABOLISM

Effect of interferon on transient shut-off of cellular RNA and protein synthesis induced by Mengo virus infection. Vaquero C, et al. **Antiviral Res** 1981 Jun;1(2):123–34

[Structure containing cellular mRNA in picornavirus infections] Kuroedov AA, et al. **Mol Biol (Mosk)** 1981 Sep–Oct;15(5):1123–30 (Eng. Abstr.) **(Rus)**

MICROBIOLOGY

The effect of experimental infection of mice with encephalomyocarditis (EMC) virus on interferon production by alveolar and peritoneal cells in vitro. Lobodzińska M, et al. **Arch Immunol Ther Exp (Warsz)** 1981;29(1):91–5

An experimental model for congestive heart failure after encephalomyocarditis virus myocarditis in mice. Matsumori A, et al. **Circulation** 1982 Jun;65(6):1230–5

Uncoupled relationship between demyelination and primary infection of myelinating cells in Theiler's virus encephalomyelitis. Dal Canto MC. **Infect Immun** 1982 Mar; 35(3):1133–8

An enterovirus type 70 epidemic of acute conjunctivitis in peninsular Malaysia, 1980. Tan DS, et al. **Med J Malaysia** 1981 Jun;36(2):76–8

[Occurrence of enteroviruses in Poland 1973–1979] Jarząbek Z, et al. **Przegl Epidemiol** 1981;35(4):429–35 (Eng. Abstr.) **(Pol)**

OCCURRENCE

Acute hemorrhagic conjunctivitis in Southeast Asian refugees arriving in the United States—isolation of enterovirus 70. Bernard KW, et al. **Am J Trop Med Hyg** 1982 May;31(3 Pt 1):541–7

Virological diagnosis of enterovirus type 71 infections: experiences gained during an epidemic of acute CNS diseases in Hungary in 1978. Nagy G, et al. **Arch Virol** 1982;71(3):217–27

Centers for Disease Control. Enteroviral disease in the United States, 1970–1979. Moore M. **J Infect Dis** 1982 Jul; 146(1):103–8

Acute haemorrhagic conjunctivitis. Hoffman M. **S Afr Med J** 1982 Aug 28;62(10):311–2

An epidemic of acute conjunctivitis caused by enterovirus-70 in Singapore in 1980. Goh KT, et al. **Southeast Asian J Trop Med Public Health** 1981 Dec; 12(4):473–86

[Some epidemiologic and virologic patterns of the enterovirosis outbreak in SR Croatia in 1979 (author's transl)] Borčić B, et al. **Lijec Vjesn** 1981 June;103(6):225–30 (Eng. Abstr.) **(Scr)**

PATHOLOGY

Ultrastructural immunohistochemical localization of virus in acute and chronic demyelinating Theiler's virus infection. Dal Canto MC, et al. **Am J Pathol** 1982 Jan;106(1):20–9

Encephalomyocarditis (EMC) virus myocarditis in DBA/2 mice. I. Acute stage. Matsumori A, et al. **Jpn Circ J** 1981 Dec;45(12):1403–8

PHYSIOPATHOLOGY

[ECG changes in patients with enterovirus infections during an epidemic in 1979 (author's transl)] Lisić M, et al. **Lijec Vjesn** 1981 June;103(6):234–7 (Eng. Abstr.) **(Scr)**

PREVENTION & CONTROL

Virus-induced diabetes in mice prevented by a live attenuated vaccine [letter] Notkins AL, et al. **N Engl J Med** 1982 Feb 25;306(8):486

[Protective action of arginine (or lysine) butyrate against the lethal effect of encelphalomyocarditis virus on mice] Chany C, et al. **C R Seances Acad Sci [III]** 1981 Jul 6;293(1):49–51 (Eng. Abstr.) **(Fre)**

TRANSMISSION

Pathogenicity of a poliomyelitis-like disease in monkeys infected orally with enterovirus 71: a model for human infection. Hashimoto I, et al. **Neuropathol Appl Neurobiol** 1982 Mar–Apr;8(2):149–56

VETERINARY

Vesicular disease in pigs in February 1981 in New Zealand [letter] Gee RW. **Aust Vet J** 1981 Jun;57(6):305

Localization of viral protein in avian-encephalomyelitis-virus-infected hens. Miyamae T. **Avian Dis** 1981 Oct–Dec;25(4):1065–9

A rapid enzyme-linked immunosorbent assay for the serological confirmation of swine vesicular disease. Hamblin C, et al. **Br Vet J** 1982 May–Jun;138(3):247–52

Swine vesicular disease in Great Britain. Watson WA. **Can Vet J** 1981 Jun;22(6):195–200

Comparison of proliferation and cytopathogenicity of swine vesicular virus and coxsackievirus B5. Lai SS, et al. **Chung Hua Min Kuo Wei Sheng Wu Chi Mien I Hsueh Tsa Chih** 1981 Sep;14(3):167–72

Electron microscopy of cells cultured in serum-free medium after inoculation of swine vesicular disease virus. Kubo M, et al. **Natl Inst Anim Health Q (Tokyo)** 1981 Fall; 21(3):134–40

Counter immunoelectrophoresis in the diagnosis and serological surveillance of swine vesicular disease. Bellhouse R, et al. **Vet Rec** 1982 Apr 10;110(15):357–8

ENTEROVIRUSES

Enterovirus 70 haemorrhagic conjunctivitis in Zäire, 1981 versus 1972 [letter] Desmyter J, et al. **Lancet** 1981 Nov 7;2(8254):1054–5

ANALYSIS

[Physicochemical properties of Teschen disease virus RNA] Tsybanov SZh, et al. **Vopr Virusol** 1982 Jan–Feb;(1):80–3 (Eng. Abstr.) **(Rus)**

CLASSIFICATION

Theiler's murine encephalomyelitis virus group includes two distinct genetic subgroups that differ pathologically and biologically. Lorch Y, et al. **J Virol** 1981 Nov;40(2):560–7

[Virological studies of feces and sewage in Berlin] Hermann J, et al. **Off Gesundheitswes** 1981 Jul;43(7):322–5 **(Ger)**

DRUG EFFECTS

Strain-specific aggregation of enterovirus by dextran sulfate. Totsuka A, et al. **Arch Virol** 1981;70(2):123–35

[Virucidal activity of alcohols. Virucidal efficiency of ethanol on viruses in organic materials (author's transl)] Watanabe M, et al. **Kansenshogaku Zasshi** 1981 May;55(5):367–72 (Eng. Abstr.) **(Jpn)**

GENETICS

Induction of cytopathogenicity in mammalian cell lines challenged with culturable enteric viruses and its enhancement by 5-iododeoxyuridine. Benton WH, et al. **Appl Environ Microbiol** 1982 Apr;43(4):861–8

GROWTH & DEVELOPMENT

Modification and exploitation of a poliovirus-induced membrane complex by superinfecting ME virus. Zeichhardt H, et al. **J Gen Virol** 1981 Aug;55(Pt 2):265–74

IMMUNOLOGY

Localization of viral protein in avian-encephalomyelitis-virus-infected hens. Miyamae T. **Avian Dis** 1981 Oct–Dec;25(4):1065–9

Antibody titres to African horse sickness, swine vesicular disease and foot-and-mouth disease viruses in samples from Equidae in Malta, 1975. Garland AJ, et al. **Br Vet J** 1982 May–Jun;138(3):258–63

Enterovirus type 70-neutralizing IgM in animal sera. Sasagawa A, et al. **Jpn J Med Sci Biol** 1982 Apr;35(2):63–73

Antibody titres to enterovirus type 70 in the 1981 Indian epidemic of acute haemorrhagic conjunctivitis [letter] Kono R, et al. **Lancet** 1981 Oct 24;2(8252):924–5

[Dynamics of the specific antibody titers in eye diseases of influenzal and enteroviral etiology] Belogubko EI, et al. **Oftalmol Zh** 1981;36(3):173–5 (Eng. Abstr.) **(Rus)**

[Study on the circulation of enterovirus 71 in the children population of Slovakia (author's transl)] Sefčovičová L, et al. **Bratisl Lek Listy** 1981 Oct;76(4):464–70 (Eng. Abstr.) **(Slo)**

ISOLATION & PURIFICATION

Acute hemorrhagic conjunctivitis in Southeast Asian refugees arriving in the United States—isolation of enterovirus 70. Bernard KW, et al. **Am J Trop Med Hyg** 1982 May;31(3 Pt 1):541–7

Isolation of transmissible Gastroenteritis virus, pseudorabies virus, and porcine enterovirus from pharyngeal swabs taken from market-weight-swine. Kemeny LJ. **Am J Vet Res** 1981 Nov;42(11):1987–9

Positively charged filters for virus recovery from wastewater treatment plant effluents. Chang LT, et al. **Appl Environ Microbiol** 1981 Nov;42(5):921–4

Recovery of indigenous enteroviruses from raw and digested sewage sludges. Goddard MR, et al. **Appl Environ Microbiol** 1981 Dec;42(6):1023–8

Isolation of enteroviruses from oxidation pond waters. Sheladia VL, et al. **Appl Environ Microbiol** 1982 Apr; 43(4):971–4

Virological diagnosis of enterovirus type 71 infections: experiences gained during an epidemic of acute CNS diseases in Hungary in 1978. Nagy G, et al. **Arch Virol** 1982;71(3):217–27

Coliphages as ecological indicators of enteroviruses in various water systems. Simková A, et al. **Bull WHO** 1981; 59(4):611–8

Theiler's virus persists in glial cells during demyelinating disease. Brahic M, et al. **Cell** 1981 Oct;26(1 Pt 1):123–8

Uncoupled relationship between demyelination and primary infection of myelinating cells in Theiler's virus encephalomyelitis. Dal Canto MC. **Infect Immun** 1982 Mar; 35(3):1133–8

Clostridium difficile toxin as a confounding factor in enterovirus isolation. Schmidt NJ, et al. **J Clin Microbiol** 1980 Dec;12(6):796–8

Techniques for virus detection in aquatic sediments. Bitton G, et al. **J Virol Methods** 1982 Feb;4(1):1–8

Isolation of enterovirus 70 from patient with acute hemorrhagic conjunctivitis— Key West, Florida. **MMWR** 1981 Oct 9;30(39):497

Isolation of enterovirus 70 from patients with acute hemorrhagic conjunctivitis in Key West, Florida [letter] Hatch MH, et al. **N Engl J Med** 1981 Dec 31;305(27):1648–8

Investigations on viral pollution in the Romanian section of the Danube river during 1972–1977 period. Nestor I, et al. **Zentralbl Bakteriol Mikrobiol Hyg [B]** 1981 Sep; 173(6):517–27

[Isolation and identification of the virus from acute hemorrhagic conjunctivitis in Shanghai (author's transl)] Shen MJ. **Chung Hua Yen Ko Tsa Chih** 1979 May; 15(2):90–3 **(Chi)**

[Experimental studies on the isolation of enteric viruses from hospital sewage by polymer two-phase method (author's transl)] Lin WC. **Chung Hua Yu Fang I Hsueh Tsa Chih** 1981 May; 15(3):153–7 **(Chi)**

[A preliminary report on the indicator of the enterovirus in hospital sewage (comparative studies on the resistance of f2 coliphage, B. cereus spore and HBsAg to chemical agents) (author's transl)] Xia LR. **Chung Hua Yu Fang I Hsueh Tsa Chih** 1981 Jul;

15(4):195–200 **(Chi)**
[Usefulness of various cellular systems for replication and isolation of enteroviruses] Jarząbek Z, et al. **Med Dosw Mikrobiol** 1981;33(2):105–13 (Eng. Abstr.) **(Pol)**
[Occurrence of enteroviruses in Poland 1973–1979] Jarząbek Z, et al. **Przegl Epidemiol** 1981;35(4):429–35 (Eng. Abstr.) **(Pol)**
[Quantitative determination of enteroviruses in water] Aizen MS. **Gig Sanit** 1982;(1):62–5 (19 ref.) **(Rus)**
[Enterovirus distribution in the water of reservoirs of different climatic zones of the USSR] Bagdasar'ian GA, et al. **Gig Sanit** 1982 May;(5):11–3 **(Rus)**
[Rapid identification of enteroviruses by countercurrent immunoelectrophoresis] Zalesskikh AF. **Vopr Virusol** 1982 Mar–Apr;27(2):197–9 (Eng. Abstr.) **(Rus)**

PATHOGENICITY

Comparison of proliferation and cytopathogenicity of swine vesicular virus and coxsackievirus B5. Lai SS, et al. **Chung Hua Min Kuo Wei Sheng Wu Chi Mien I Hsueh Tsa Chih** 1981 Sep;14(3):167–72
Vesicular exanthema of swine and San Miguel sea lion virus: experimental and field studies in otarid seals, feeding trials in swine. Gelberg HB, et al. **Vet Pathol** 1982 Jul; 19(4):413–23
The pathogenesis of vesicular exanthema of swine virus and San Miguel sea lion virus in swine. Gelberg HB, et al. **Vet Pathol** 1982 Jul;19(4):424–43
Experimental vesicular exanthema of swine virus and San Miguel sea lion virus infection in phocid seals. Gelberg HB, et al. **Vet Pathol** 1982 Jul;19(4):406–12
[Viruses in the feces and their significance in the occurrence of diarrhea] Demidova SA, et al. **Sov Med** 1981;(12):59–62 (25 ref.) **(Rus)**

PHYSIOLOGY

[Enterovirus survival in water and food products] Lukina OE, et al. **Vopr Virusol** 1981 Jul–Aug;(4):481–5 (Eng. Abstr.) **(Rus)**

ULTRASTRUCTURE

Ultrastructural immunohistochemical localization of virus in acute and chronic demyelinating Theiler's virus infection. Dal Canto MC, et al. **Am J Pathol** 1982 Jan;106(1):20–9
Intracytoplasmic crystals of enterovirus 71 in cultured cells. Tsuruhara T, et al. **J Electron Microsc (Tokyo)** 1981; 30(1):67–8

ENTEROVIRUSES, PORCINE see under **ENTEROVIRUSES**

ENTOMOLOGY

HISTORY

[Basic trends in the works of V. N. Beklemishev in the field of medical entomology and their importance in the epidemiology and prevention of transmitted diseases] Kupriianova ES, et al. **Med Parazitol (Mosk)** 1982 Jan–Feb; 51(1):33–9 **(Rus)**

METHODS

Mass rearing of face flies. Arends JJ, et al. **J Econ Entomol** 1981 Jun;74(3):355–8
Continued host seeking by partially engorged Culex tarsalis (Diptera: Culicidae) collected in nature. Mitchell CJ, et al. **J Med Entomol** 1981 Jun;18(3):249–50
Comparison of techniques for detection of domestic infestations with Triatoma infestans in Brazil. Pinchin R, et al. **Trans R Soc Trop Med Hyg** 1981;75(5):691–4

ENTOMOPHTHORA see under **ZYGOMYCETES**

ENTRAPMENT NEUROPATHY see **NERVE COMPRESSION SYNDROMES**

ENTROPION

ETIOLOGY

Atypical bullous dermatosis of childhood with entropion. Marsden RA, et al. **J R Soc Med** 1982 Jan;75(1):39–41

PATHOLOGY

The microscopic anatomy of the lower eyelid retractors. Hawes MJ, et al. **Arch Ophthalmol** 1982 Aug;100(8):1313–8

SURGERY

Some observations on the common procedure of tarsal wedge resection for cicatricial entropion of the upper eyelid. Ghose S, et al. **Indian J Ophthalmol** 1981 Dec;29(4):385–7
Follow-up of entropion cases corrected by gray-line splitting operation in Sagaing township (Burma). Ba UH, et al. **Rev Int Trach Pathol Oculi Trop Subtrop Sante Publique** 1981;(1–2):61–78 **(Eng, Fre)**
[Results of surgical correction of entropium senile by Fox's method (author's transl)] Hedin A, et al. **Klin Monatsbl Augenheilkd** 1982 Mar;180(3):237–8 (Eng. Abstr.) **(Ger)**

VETERINARY

Entropion in a chow puppy [letter] Rhodes A. **Vet Rec** 1982 Feb 13;110(7):159
Entropion in the Shar Pei [letter] Bistner S. **VM SAC** 1981 Sep;76(9):1246–8

ENURESIS

Parental perceptions of enuresis. A collaborative study. Haque M, et al. **Am J Dis Child** 1981 Sep;135(9):809–11

CHEMICALLY INDUCED

Nocturnal enuresis caused by psychotropic drugs [letter] Jose CJ. **Am J Psychiatry** 1981 Nov;138(11):1519

DIAGNOSIS

[Enuresis. Diagnostic classification] Frea B, et al. **Minerva Urol** 1981 Oct–Dec;33(4):281–2 **(Ita)**

DRUG THERAPY

Treatment of enuresis with sydnocarb. Polák L, et al. **Act Nerv Super (Praha)** 1981 Dec;23(4):263–4
Desmopressin in nocturnal enuresis. Aladjem M, et al. **Arch Dis Child** 1982 Feb;57(2):137–40
Daytime enuresis [letter] Barton JL, et al. **Br J Psychiatry** 1982 Mar;140:325
The use of desmopressin (DDAVP) in nocturnal urinary frequency in the female. Hilton P, et al. **Br J Urol** 1982 Jun;54(3):252–5
DDAVP for adult enuresis—a preliminary report. Ramsden PD, et al. **Br J Urol** 1982 Jun;54(3):256–8
Imipramine and enuresis: never forget its dangers [letter] Bennett HJ. **Pediatrics** 1982 Jun;69(6):831–2
Maprotiline effects in children with enuresis and behavioural disorders. Simeon J, et al. **Prog Neuropsychopharmacol** 1981;5(5–6):495–8
Treatment of imipramine overdose in children. Greene AS, et al. **Urology** 1981 Sep;18(3):314–5
[Urodynamic function tests after P4 use in children] Festge OA, et al. **Padiatr Grenzgeb** 1982;21(1):43–52 (Eng. Abstr.) **(Ger)**
[Efficacy of elronon and mictonorm in the therapy of enuresis] Vehreschild T, et al. **Z Arztl Fortbild (Jena)** 1982 Apr 1;76(7):301–3 **(Ger)**
[The use of DDAVP (desmopressin) in primary nocturnal enuresis] Bernasconi S, et al. **Minerva Pediatr** 1982 Feb 15;34(3):131–4 (Eng. Abstr.) **(Ita)**
[New therapeutic prospect in enuresis: desmopressin (DDAVP)] Segni G, et al. **Minerva Pediatr** 1982 Jan 31; 34(1–2):45–52 (Eng. Abstr.) **(Ita)**

ETIOLOGY

Nocturnal enuresis in a longitudinal perspective. A primary problem of maturity and/or a secondary environmental reaction? Klackenberg G. **Acta Paediatr Scand** 1981 Jul; 70(4):453–7
Childhood enuresis: current thoughts on causes and cures. Cristy BL. **Soc Work Health Care** 1981 Spring;6(3):77–90
[Involuntary ureteral enuresis] Borówka A, et al. **Wiad Lek** 1982 May 1;35(3–4):207–10 **(Pol)**

OCCURRENCE

[Enuresis and other parasomnias in normal persons] Deza L, et al. **Rev Neuropsiquiatr** 1979 Sep–Dec;42(3–4):174–84 (Eng. Abstr.) **(Spa)**

PHYSIOPATHOLOGY

Enuresis and hyperventilation response in the EEG. Kaada B, et al. **Dev Med Child Neurol** 1981 Oct;23(5):591–9
Studies of enuresis. IX. Evidence of a mild form of compensated detrusor hyperreflexia in enuretic children. Mahony DT, et al. **J Urol** 1981 Oct;126(4):520–3
Assessment of the relationship between sensation and volume, tension and compliance during the filling phase in adult enuretics. Hindmarsh JR. **Prog Clin Biol Res** 1981;78:77–83
[Urological approach to enuresis nocturna. II. Cystometric findings (author's transl)] Takatsuka K, et al. **Nippon Hinyokika Gakkai Zasshi** 1981 Nov;72(11):1385–98 (Eng. Abstr.) **(Jpn)**
[Urological approach to enuresis nocturna. I. Functional bladder capacity and average urinary flow rate in normal children (author's transl)] Takatsuka K, et al. **Nippon Hinyokika Gakkai Zasshi** 1981 Nov;72(11):1373–84 (Eng. Abstr.) **(Jpn)**

PSYCHOLOGY

Symptom substitution: a case study. Ottenbacher K, et al. **Am J Psychoanal** 1981 Summer;41(2):173–5
A. H. Esman on enuresis; a functional equivalent of a fetish [letter] Esman AH. **Int J Psychoanal** 1981;62(3):372–3
Neurologic status in hyperactive, enuretic, encopretic, and normal boys. Mikkelsen EJ, et al. **J Am Acad Child Psychiatry** 1982 Jan;21(1):75–81
Behavioral and environmental characteristics of treated and untreated enuretic children and matched nonenuretic controls. Couchells SM, et al. **J Pediatr** 1981 Nov; 99(5):812–6
The self-perceptions of children with asthma and asthma/enuresis. Panides WC, et al. **J Psychosom Res** 1981; 25(1):51–6
Experimental stress and cystomanometric recordings of patients with primary enuresis, a preliminary report. Trombini G, et al. **Percept Mot Skills** 1982 Jun;54(3):771–7

REHABILITATION

The treatment of primary nocturnal enuresis in school-age Brazilian children. Paine PA. **Int J Soc Psychiatry** 1981 Autumn;27(3):213–6

THERAPY

Enuresis. Agarwal A. **Am Fam Physician** 1982 May; 25(5):203–7
Enuresis, homoeopathy, and enhancement of the placebo effect. Stanton HE. **Am J Clin Hypn** 1981 Jul;24(1):59–61
Childhood enuresis. Treating the habitual bed wetter. Goebel SL, et al. **Am Pharm** 1982 Jan;22(1):30–4
Response of bedwetting to the enuresis alarm. Influence of psychiatric disturbance and maximum functional bladder capacity. Berg I, et al. **Arch Dis Child** 1982 May;57(5):394–6
A comparison of dry-bed training and standard urine-alarm conditioning treatment of childhood bedwetting. Bollard J, et al. **Behav Res Ther** 1981;19(3):215–26
Dry-bed training for childhood bedwetting: a comparison of group with individually administered parent instruction. Bollard J, et al. **Behav Res Ther** 1982;20(3):209–17
An analysis of the behaviour of day- and night-wetting children: towards a model of micturition control. Fielding D. **Behav Res Ther** 1982;20(1):49–60
Effect of varying alarm schedules on acquisition and relapse parameters in the conditioning treatment of enuresis. Finley WW, et al. **Behav Res Ther** 1982;20(1):69–80
Child psychiatry and enuresis. Berg I. **Br J Psychiatry** 1981 Sep;139:247–8
Bladder drill for the treatment of enuresis in adults. Jarvis GJ. **Br J Urol** 1982 Apr;54(2):118–9
Electronic bed wetting alarm and toilet trainer [letter] Fleming E. **Br Med J [Clin Res]** 1982 Aug 14;285(6340):512
Electronic bed-wetting alarm and toilet trainer. Malem H, et al. **Br Med J [Clin Res]** 1982 Jul 3;285(6334):22
A controlled comparison of two treatments for nocturnal enuresis. Wagner W, et al. **J Pediatr** 1982 Aug;101(2):302–7
Toilet training and enuresis. Doleys DM, et al. **Pediatr Clin North Am** 1982 Apr;29(2):297–313
Daytime wetting (diurnal enuresis). Schmitt BD. **Pediatr Clin North Am** 1982 Feb;29(1):9–20
Nocturnal enuresis: an update on treatment. Schmitt BD. **Pediatr Clin North Am** 1982 Feb;29(1):21–36
[Our experiences with electrotherapy of nocturnal enuresis] Schwock G. **Padiatr Grenzgeb** 1981;20(3):199–201 (Eng. Abstr.) **(Ger)**
[Acupuncture and micro-massage in the treatment of idiopathic nocturnal enuresis] Bartocci C, et al. **Minerva Med** 1981 Sep 15;72(33):2237 (Eng. Abstr.) **(Ita)**
[Reflexotherapy in idiopathic nocturnal enuresis. Clinical note] Bartocci C, et al. **Minerva Med** 1981 Sep 15; 72(33):2235–6 **(Ita)**
[Therapeutic trials in juvenile nocturnal enuresis] Calvani M. **Recenti Prog Med** 1981 Nov;71(5):563–4 **(Ita)**
[Treatment of bed wetting with the 'enuresis alarm' – preliminary results from 100 consecutive cases] Bengtsson B. **Lakartidningen** 1981 Jul 22;78(30–31):2701–3 (Eng. Abstr.) **(Swe)**

ENVIOMYCIN see under **VIOMYCINS**

ENVIRONMENT

see related
SOCIAL ENVIRONMENT

Portable emergency ventilators. Sensitivity to environment. Dahlgren BE, et al. **Acta Anaesthesiol Scand** 1981 Feb; 25(1):46–50
The Ah locus, a multigene family necessary for survival in a chemically adverse environment: comparison with the immune system. Nebert DW, et al. **Adv Genet** 1982;21:1–52 (170 ref.)
The politics of nature and nurture. Albee GW. **Am J Community Psychol** 1982 Feb;10(1):4–30
Hereditary and environmental influences on cardiovascular risk factors for children: the Bogalusa Heart Study. Weinberg R, et al. **Am J Epidemiol** 1982 Aug;116(2):385–93
Need satisfaction of older persons living in the community and in institutions, part 2. Role of activity. Tickle LS, et al. **Am J Occup Ther** 1981 Oct;35(10):650–5
Need satisfaction of older persons living in the community and in institutions, part 1. The environment. Tickle LS, et al. **Am J Occup Ther** 1981 Oct;35(10):644–9
Environmental factors in the epidemiology of malignant myopia. Daubs J. **Am J Optom Physiol Opt** 1982 Mar; 59(3):271–7
The environmental health matrix: information for use in planning. Laessig RE, et al. **Am J Public Health** 1982 Apr; 72(4):373–5
Genetic and environmental influences on pulmonary function in adult twins. Hubert HB, et al. **Am Rev Respir Dis** 1982 Apr;125(4):409–15
Zinc, copper and environmental factors in the aboriginal peoples of the North West. Cheek DB, et al. **Aust NZ J Med** 1981 Oct;11(5):508–12

Influence of novelty on locomotor hyperactivity after lesions of superior colliculus in rats. Dean P, et al. **Behav Brain Res** 1982 Jun;5(2):213–8

Sex differences in effects of environmental stimulation on brain weight of previously undernourished rats. McConnell P, et al. **Behav Brain Res** 1981 Nov;3(3):411–5

A multivariate twin analysis of within–family environmental influences in infants' social responsiveness. Rowe DC, et al. **Behav Genet** 1979 Nov;9(6):519–25

Effects of varying environmental conditions on the self–stimulation behavior at the posterolateral area of the hypothalamus in Wistar rats. De Witte P. **Behav Neural Biol** 1981 Sep;33(1):66–73

Hypothesis: the environment is a major determinant of the immunological sub–type of lymphoma and acute lymphoblastic leukaemia in children. Ramot B, et al. **Br J Haematol** 1982 Feb;50(2):183–9

Genetic and environmental factors in the control of growth in childhood. Rona RJ. **Br Med Bull** 1981 Sep;37(3):265–72 (80 ref.)

Variations in cancer mortality among local authority areas in England and Wales: relations with environmental factors and search for causes. Gardner MJ, et al. **Br Med J [Clin Res]** 1982 Mar 13;284(6318):784–7

Legionellosis and the indoor environment. Imperato PJ. **Bull NY Acad Med** 1981 Dec;57(10):922–35

Environmental effects on cutaneous carcinogenesis. Knox JM, et al. **Cardiovasc Res Cent Bull** 1981 Oct–Dec; 20(2):25–30

The relative importance of genetic and environmental factors in hypertension in black subjects. Aderounmu AF. **Clin Exp Hypertens** 1981;3(4):597–621 (110 ref.)

The influence of genetics and of household environment in the transmission of normal blood pressure. Mongeau JG, et al. **Clin Exp Hypertens** 1981;3(4):593–6

Nearwork and familial resemblances in ocular refraction: a population study in Newfoundland. Bear JC, et al. **Clin Genet** 1981 Jun;19(6):462–72

Hereditary and environmental aspects as they affect the fetus and newborn. Nora JJ, et al. **Clin Obstet Gynecol** 1981 Sep;24(3):851–61

On the inheritance of somatically acquired characters in the immune system. Gorczynski RM, et al. **Dev Comp Immunol** 1981 Fall;5(4):547–55 (25 ref.)

Recovery from experimentally induced problem–solving deficits in neonatal Peking ducklings as a function of environmental stimulation. Heaton MB, et al. **Dev Psychobiol** 1981 Jan;14(1):59–65

Effects of environmental enrichment on old mice. Warren JM, et al. **Dev Psychobiol** 1982 Jan;15(1):13–8

Environmental factors affecting chemoreceptors: an overview. Halpern BP. **Environ Health Perspect** 1982 Apr; 44:101–5 (44 ref.)

Review of environmental factors affecting hearing. Mills JH, et al. **Environ Health Perspect** 1982 Apr;44:119–27 (58 ref.)

Predicting sweat loss response to exercise, environment and clothing. Shapiro Y, et al. **Eur J Applied Physiol** 1982; 48(1):83–96

Marrow microenvironment transfer by heterotopic transplantation of freshly isolated and cultured cells in porous sponges. Friedenstein AJ, et al. **Exp Hematol** 1982 Feb;10(2):217–27

Time–dependent environmentally–induced changes in cerebral and extra–cerebral morphology and chemistry––the basis of learning, memory and behavior. DeFeudis FV. **Gen Pharmacol** 1982;13(1):1–9 (97 ref.)

The influence of setting and task partner on the performance of adults over age 65 on a communications task. Molfese VJ, et al. **Int J Aging Hum Dev** 1981–82;14(1):45–53

Environmental factors and aggressive behavior. Anderson AC. **J Clin Psychiatry** 1982 Jul;43(7):280–3

Epidemiology of diarrhea due to rotavirus on an Indian reservation: risk factors in the home environment. Engleberg NC, et al. **J Infect Dis** 1982 Jun;145(6):894–8

Nature and nurture. Papineau D. **J Med Ethics** 1982 Jun; 8(2):96–9

The average lifetime of a population in a varying environment. Leigh EG Jr. **J Theor Biol** 1981 May 21; 90(2):213–39

Sex in random environments. Moore WS, et al. **J Theor Biol** 1981 Oct 7;92(3):301–16

Platelets and the environment. Hammerschmidt DE. **JAMA** 1982 Jan 15;247(3):345–50

Effects of environmental enrichment upon maze performance in rats with microcephaly induced by prenatal X–irradiation. Kiyono S, et al. **Jpn J Physiol** 1981; 31(5):769–73

A procedure for investigating cancer cluster reports. Aldrich TE. **Med Hypotheses** 1981 Jun;7(6):809–17

Differential drug effects as a function of the controlling consequences. Barrett JE. **Natl Inst Drug Abuse Res Monogr Ser** 1981 Jul;(37):159–81 (40 ref.)

Can change damage your mental health? [news] **Nature** 1982 Jan 21;295(5846):177

Mental stress given environmental status: court delays start at Three Mile Island [news] Dickson D. **Nature** 1982 Jan 21;295(5846):179

Interaction of developmental and environmental variables on shock–induced jumping behavior in rats. Nishikawa T, et al. **Physiol Behav** 1981 Sep;27(3):539–41

Maternal environment and the expression of murine neural tube defects. Seller MJ, et al. **Prenatal Diagn** 1981 Apr; 1(2):103–5

Heredity–environment influences on growth and development during adolescence. Fischbein S. **Prog Clin Biol Res** 1981;69 Pt B:211–26

Risk and benefit in environmental law. Ricci PF, et al. **Science** 1981 Dec 4;214(4525):1096–100

Environment and communication: a review. Jones M. **Spec Educ Forward Trends** 1981 Dec;8(4):22–4

Stewards of the environment [letter] Jung RC. **West J Med** 1981 Nov;135(5):427–8

[The child and modern residential requirements] Synková J. **Cesk Pediatr** 1982 Feb;37(2):78–81 **(Cze)**

[The indoor climate in day institutions. Environmental measurements in 2 new daycare institutions constructed under the building regulation BR–77] Lundqvist GR, et al. **Ugeskr Laeger** 1982 Jan 18;144(3):169–74 (Eng. Abstr.) **(Dan)**

[Behaviour and well–being (author's transl)] Wiepkema PR. **Tijdschr Diergeneeskd** 1981 Aug 15;106(16):810–25 (Eng. Abstr.) **(Dut)**

[Modulation of the hypothalamo–neurohypophyseal system following environmental changes in rats] Crine AF, et al. **C R Soc Biol (Paris)** 1981;175(6):882–8 (Eng. Abstr.) **(Fre)**

[Design and methodology in environmental acoustics] Levental M, et al. **Soz Praventivmed** 1982 May; 27(2–3):131–45 (Eng. Abstr.) **(Fre)**

[Environmental influences on fertility (author's transl)] Mattheus A, et al. **Derm Beruf Umwelt** 1981;29(5):135–8 (Eng. Abstr.) **(Ger)**

[The role of the Federal Agency for Environmental Protection in the field of noise control] Verdan G. **Soz Praventivmed** 1982 May;27(2–3):146–50 (Eng. Abstr.) **(Ger)**

[The environmental registry of cancer's data are unsatisfactory for analysis of connection between the parent's occupation and the child's cancer] Berglund K, et al. **Lakartidningen** 1982 Apr 14;79(15):1484–7 **(Swe)**

ENVIRONMENT, CONTROLLED

see related
ATMOSPHERE EXPOSURE CHAMBERS INCUBATORS

Particulate matter possible in type B vertical–flow hoods [letter] Power LA, et al. **Am J Hosp Pharm** 1982 Apr; 39(4):574

Sterile microenvironment in prevention of wound infection. Scott JM, et al. **Br Med J [Clin Res]** 1982 May 29; 284(6329):1594–6

Spontaneous physical activity measured by radar in obese and control subject studied in a respiration chamber. Schutz Y, et al. **Int J Obes** 1982;6(1):23–8

Heat balance of ox steers (Bos taurus) in steady–temperature environments. McLean JA, et al. **J Appl Physiol** 1982 Feb; 52(2):324–32

Effect of heat shielding on convective and evaporative heat losses and on radiant heat transfer in the premature infant. Baumgart S, et al. **J Pediatr** 1981 Dec;99(6):948–56

Germfree rats. McLafferty MA, et al. **Methods Enzymol** 1981; 77:34–43

Unsuccessful suicide by carbon monoxide: a secondary benefit of emissions control. Landers D. **West J Med** 1981 Nov;135(5):360–3

[Bubble babies] Weil–Halpern F, et al. **Psychiatr Enfant** 1981; 24(1):40–100 **(Fre)**

[Climate control systems in hospitals – DIN 1946, Part 4 – from the viewpoint of engineers] Dittmann K. **Off Gesundheitswes** 1982 Jan;44(1):41–5 **(Ger)**

[Climate control systems and the prevention of infections] Rüden H. **Off Gesundheitswes** 1982 Jan;44(1):54–8 **(Ger)**

[Possibilities of saving climate control systems in old hospital buildings] Steffen K. **Off Gesundheitswes** 1982 Jan; 44(1):46–54 **(Ger)**

[Climate control systems and hospital hygiene] Steuer W. **Off Gesundheitswes** 1982 Jan;44(1):32–7 **(Ger)**

[Possibility of checking climate control systems in hospitals] Steuer W. **Off Gesundheitswes** 1982 Jan;44(1):38–40 **(Ger)**

[Control of microbial contamination in the air of rooms for sterile production. Proposals for sampling] Carazzone M, et al. **Boll Chim Farm** 1981 Jul;120(7):416–26 (Eng. Abstr.) **(Ita)**

[A new loading method of plethysmography using two conditioned rooms (author's transl)] Terasawa K, et al. **Rinsho Byori** 1982 Feb;30(2):195–8 **(Jpn)**

[Morphology of the suppurative wound in the treatment process in a regulated environment] Sarkisov DS, et al. **Arkh Patol** 1981;43(8):34–41 (Eng. Abstr.) **(Rus)**

[Dynamics of the morphological changes in a burn wound during treatment in a controlled abacterial environme.] Sologub VK, et al. **Biull Eksp Biol Med** 1982 Apr; 93(4):108–11 (Eng. Abstr.) **(Rus)**

[Basic principles of the hygiene regulation of intrahospital environmental quality] Borovik EB. **Gig Sanit** 1982 Apr; (4):6–8 (Eng. Abstr.) **(Rus)**

[Pseudomonas aeruginosa circulation in the environment of a surgical hospital and its carrier state among clinical personnel and patients] Iskhakova KhI, et al. **Gig Sanit** 1982 May;(5):16–8 (Eng. Abstr.) **(Rus)**

[Release of vital activity products in the expired air as dependent on the carbon dioxide content in hermetically sealed spaces] Sedov AV, et al. **Gig Sanit** 1981 Oct; (10):90–1 **(Rus)**

[Effectiveness of sweating in a hot environment] Eronin FT, et al. **Voen Med Zh** 1982 May;(5):42–3 **(Rus)**

ENVIRONMENT DESIGN

Pain in clinical and laboratory contexts. Dworkin SF, et al. **J Dent Res** 1982 Jun;61(6):772–4

STANDARDS

Windowless pain. Craig JB. **J Med Assoc Ga** 1981 Dec; 70(12):879–81

ENVIRONMENTAL EXPOSURE

see related
OCCUPATIONAL DISEASES

Exposure to fungi in modern homes [letter] Rijckaert G. **Allergy** 1981 May;36(4):277–9

Regulation toxic and harmful substances––the supreme court's decision upholding OSHA's cotton dust standard. McElveen JC, et al. **Am Ind Hyg Assoc J** 1981 Sep; 42(9):A20, A22

Herbert E. Stokinger Lecture––1981. On the concept of threshold. Mastromatteo E. **Am Ind Hyg Assoc J** 1981 Nov; 42(11):763–70

'Health effects of particulate pollution: reappraising the evidence'. Winkelstein W Jr, et al. **Am J Epidemiol** 1982 Mar;115(3):471–5

A genetic–epidemiologic study of human immune responsiveness to allergens in an industrial population: I. Epidemiology of reported allergy and skin–test positivity. Freidhoff LR, et al. **Am J Med Genet** 1981;9(4):323–40

Occupational risk for laryngeal cancer. Flanders WD, et al. **Am J Public Health** 1982 Apr;72(4):369–72

Limits for inhalation of radon daughters by workers. **Ann ICRP** 1981;6(1):1–24

Limits for intakes of radionuclides by workers. **Ann ICRP** 1981;6(2–3):1–124

Experience with an occupational exposure data recording system. Baxter RA, et al. **Ann Occup Hyg** 1982;25(1):95–100

Exposure of urban applicators to carbaryl. Gold RE, et al. **Arch Environ Contam Toxicol** 1982;11(1):63–7

Exposure of professional pesticide applicators to carbaryl. Leavitt JR, et al. **Arch Environ Contam Toxicol** 1982; 11(1):57–62

Identification and determination of 2–thiothiazolidine–4–carboxylic acid in urine of workers exposed to carbon disulfide. van Doorn R, et al. **Arch Toxicol** 1981 Mar;47(1):51–8

Radioactive emissions and radon. Harley JH. **Bull NY Acad Med** 1981 Dec;57(10):883–96

Exposure to pollutants and daily time budgets of people. Moschandreas DJ. **Bull NY Acad Med** 1981 Dec; 57(10):845–59

Allergic agents. Reed CE. **Bull NY Acad Med** 1981 Dec; 57(10):897–906

Changes in hepatic microsomal enzyme function in workers exposed to mixtures of chemicals. Døssing M. **Clin Pharmacol Ther** 1982 Sep;32(3):340–6

Use of twins to study environmental effects. Christian JC. **Environ Health Perspect** 1981 Dec;42:103–6

Limitations on dose estimation. Esmen NA. **Environ Health Perspect** 1981 Dec;42:3–7

Epidemiologic detection of low dose effects on the developing fetus. Kline J, et al. **Environ Health Perspect** 1981 Dec;42:119–26

Detection of genetic effects of environmental agents. Murphy EA. **Environ Health Perspect** 1981 Dec;42:127–36

Genetic–environmental interactions in relation to low dose studies: a possible model from breast cancer. Petrakis NL. **Environ Health Perspect** 1981 Dec;42:97–102

Sensitivity of health endpoints: effect on conclusions of studies. Radford EP. **Environ Health Perspect** 1981 Dec; 42:45–50

Sensitive population subsets in relation to effects of low doses. Redmond CK. **Environ Health Perspect** 1981 Dec; 42:137–40

Problems in evaluating radiation dose via terrestrial and aquatic pathways. Vaughan BE, et al. **Environ Health Perspect** 1981 Dec;42:149–61 (73 ref.)

Analysis of cores of ferruginous bodies from former asbestos workers. Dodson RF, et al. **Environ Res** 1982 Jun; 28(1):171–8

Metallothionein in plasma and urine of cadmium workers. Nordberg GF, et al. **Environ Res** 1982 Jun;28(1):179–82

The threshold and the virtually safe dose. Carlborg FW. **Food Chem Toxicol** 1982 Apr;20(2):219–21

Nitrous oxide waste gas in the pedodontic operatory. Badger G, et al. **J Am Dent Assoc** 1982 Apr;104(4):480–1

Spontaneous circulating immune complex like material in Brown–Norway rats. Role of environmental factors. Bellon B, et al. **J Clin Lab Immunol** 1982 Jun;8(2):133–6

The epidemiologic basis of environmental and occupational health policy: the New Jersey experience. Koplin AN, et al. **J Public Health Policy** 1982 Mar;3(1):39–50

The occupational and environmental health history. Goldman RH, et al. **JAMA** 1981 Dec 18;246(24):2831–6

Microwave radiation: environmental impact and medical application. Williams LE, et al. **Minn Med** 1981 Oct;

64(10):593–9
Genetic damage induced by an occupational complex and prolonged chemical exposure. Luca D, et al. **Morphol Embryol (Bucur)** 1981 Jul–Sep;27(3):245–8
Abstract of papers presented at the 11th annual meeting of the European Environmental Mutagen, Society, 6–11 July 1981, Budapest (Hungary). **Mutat Res** 1982 Jun; 97(3):163–236
American Academy of Pediatrics. Committee on Genetics and Environmental Hazards. The environmental consequences of tobacco smoking: implications for public policies that affect the health of children. **Pediatrics** 1982 Aug;70(2):314–5
Analysis of structural chromosome changes and SCE after occupational long-term exposure to electric and magnetic fields from 380 kV-systems. Bauchinger M, et al. **Radiat Environ Biophs** 1981;19(4):235–8
Temporal characteristics related to leave from work and pregnancy among mothers with congenitally malformed offspring. Nurminen M, et al. **Scand J Soc Med** 1981; 9(2):51–7
A comment on the reference series with regard to multiple exposure evaluations in a case-referent study. Axelson O, et al. **Scand J Work Environ Health** 1982;8 Suppl 1:15–9
An epidemiologic approach to the study of possible teratogenic effects of chemical and physical environments. Holmberg PC, et al. **Scand J Work Environ Health** 1982; 8 Suppl 1:89–91
Significance of cross-sectional surveys in occupational epidemiology. Mur JM, et al. **Scand J Work Environ Health** 1982;8 Suppl 1:24–5
Comparison of measured and predicted ventilatory volumes in selected groups of industrial workers. Sarić M, et al. **Scand J Work Environ Health** 1982;8 Suppl 1:111–6
Monitoring genotoxicity in the occupational environment. Sorsa M, et al. **Scand J Work Environ Health** 1981;7 Suppl 4:61–5
A turnabout on EPA lead rules [news] Marshall E. **Science** 1982 Aug 20;217(4561):711
Recommended health-based limits in occupational exposure to selected organic solvents. **WHO Tech Rep Ser** 1981; 664:1–81
[Allowable concentration of carbon disulfide vapor in workshop (author's transl)] Fu WZ. **Chung Hua Yu Fang I Hsueh Tsa Chih** 1981 Jul;15(4):204–7 **(Chi)**
[Study of methods for establishing allowable concentrations of pneumoconiosis dusts (author's transl)] Liu ZY. **Chung Hua Yu Fang I Hsueh Tsa Chih** 1981 Jan;15(1):17–20 **(Chi)**
[Studies on the maximum permissible concentration on tetrachlorovinphos in surface water (author's transl)] Xia SJ. **Chung Hua Yu Fang I Hsueh Tsa Chih** 1982 Jan; 16(1):27–30 (Eng. Abstr.) **(Chi)**
[Dangerous chemical substances and products] Bonnevie P. **Ugeskr Laeger** 1981 Jun 15;143(25):1621–4 **(Dan)**
[Indirect exposure in the occupational anamnesis] Grandjean P. **Ugeskr Laeger** 1981 Sep 14;143(38):2464–5 (Eng. Abstr.) **(Dan)**
[Chronic carbon monoxide poisoning] Borst JR. **Ned Tijdschr Geneeskd** 1982 Jan 9;126(2):46–50 **(Dut)**
[Comparative study of the various gravimetric methods for measuring and evaluating dust in coal mines of the member countries of the European Community] Cartigny S. **Rev Inst Hyg Mines (Hasselt)** 1981;36(3):129–55 **(Dut)**
[Occupational and environmentally caused diseases of the respiratory tract and obligatory reporting] Fruhmann G. **Med Welt** 1981 Sep 4;32(36):1309–13 **(Ger)**
[Principles of an accelerated method for determining maximum allowable concentration of air pollutants] Andrejestschewa NG. **Z Gesamte Hyg** 1982;28(1):4–7 (Eng. Abstr.) **(Ger)**
[Dangerous substances as evaluated by the legislative branch of the government] Broecker B. **Zentralbl Arbeitsmed Arbeitsschutz Prophyl Ergonomie** 1981 Dec;31(12):477–83 **(Ger)**
[Effect of fluoride and its inorganic compounds on the worker and its monitoring] Massmann W. **Zentralbl Arbeitsmed Arbeitsschutz Prophyl Ergonomie** 1981 Dec;31(12):484–8 **(Ger)**
[Molestation of patients and personnel in noise-exposed gynaecological hospital (author's transl)] Hergt R, et al. **Zentralbl Gynakol** 1982;104(6):368–74 (Eng. Abstr.) **(Ger)**
[The threshold limit values of chemical substances in the jurisprudence of the Court of Cassation] Guariniello R. **Med Lav** 1982 Jan–Feb;73(1):3–8 **(Ita)**
[Advice on maximum permissible exposure level] **Sangyo Igaku** 1980 Sep;22(5):421–32 **(Jpn)**
[A hygienic consideration of magnetic environments (author's transl)] Nakagawa M. **Sangyo Igaku** 1981 Nov; 23(6):591–605 (129 ref.) (Eng. Abstr.) **(Jpn)**
[A study for the simplification of permissible criteria for noise exposure recommended by Japan Association of Industrial Health (author's transl)] Yamamoto T, et al. **Sangyo Igaku** 1981 May;23(3):233–53 (Eng. Abstr.) **(Jpn)**
[Basis for the hygienic regulation of atmospheric pollutants] Grigorevskaia ZP, et al. **Vestn Akad Med Nauk SSSR** 1981; (6):17–20 (Eng. Abstr.) **(Rus)**
[The importance of environmental factors for etiology of leukemias, myelomas and malignant lymphomas] Brandt L. **Lakartidningen** 1982 Apr 14;79(15):1490–2 **(Swe)**
[Effects of the working environment on fetuses] Hemminki K. **Nord Med** 1982 Jan;97(1):15–6 **(Swe)**

ENVIRONMENTAL HEALTH

see related
ACCIDENTS
Dependence of immediate hypersensitivity in the adolescent period on factors encountered in infancy. Suoniemi I, et al. **Allergy** 1981 May;36(4):263–8
The causes of cancer. Reif AE. **Am Sci** 1981 Jul–Aug; 69(4):437–47 (62 ref.)
Health aspects of indoor air pollution: social, legislative, and economic considerations. Ferrand EF, et al. **Bull NY Acad Med** 1981 Dec;57(10):1061–6
The importance of the quality of indoor air. Hinkle LE Jr, et al. **Bull NY Acad Med** 1981 Dec;57(10):827–44
First Annual Symposium on Environmental Epidemiology. **Environ Health Perspect** 1981 Dec;42:1–146
Who should provide research initiative and support? Kuller LH. **Environ Health Perspect** 1981 Dec;42:81–8
August 1980 Symposium of the International Geographical Union Working Group on the Geography of Health. Proceedings. **Geogr Med** 1981;11:1–40
Geography and health. Kratochvil O. **Geogr Med** 1981; 11:95–103
The prevalence of house dust mites, Dermatophagoides spp, and associated environmental conditions in homes in Ohio. Arlian LG, et al. **J Allergy Clin Immunol** 1982 Jun; 69(6):527–32
Occupational and environmental health programs in a medical school: should they be a department? Rom WN. **J Med Educ** 1981 Nov;56(11):914–6
Nuclear power—is the health risk too great? Wynne BE. **J Med Ethics** 1982 Jun;8(2):78–85
The unfinished tasks of public health in the United States: implications for organization and training [editorial] **J Public Health Policy** 1981 Dec;2(4):305–11
Focus on health: environmental wellness. Clark CC. **Nurse Pract** 1981 Nov–Dec;6(6):32–9
The medical officer of environmental health [editorial] **Public Health** 1981 Sep;95(5):247–9
Use of the special projects team in the Environmental Health Department. Saunders BR. **R Soc Health J** 1981 Oct; 101(5):179–85
Health hazards associated with solid waste disposal. Gaby WL. **Rev Environ Health** 1981;3(3):277–91
The Eastern Mediterranean Region: highlights of the Regional Director's report for 1979–81. Taba AH. **WHO Chron** 1982;36(1):19–25
[The indoor environment and disease symptoms. An evaluation of conditions in schools in Copenhagen] Ibsen KK, et al. **Ugeskr Laeger** 1981 Jul 20;143(30):1919–22 (Eng. Abstr.) **(Dan)**
[Health aspects of the quality of housing] Franssens M. **Arch Belg Med Soc** 1981 May;39(5):270–2 **(Dut)**
[Health aspects of the drafting of quality regulations for housing] Nelissen G. **Arch Belg Med Soc** 1981 May; 39(5):273–82 **(Dut)**
[The urban environment and mental health. Evaluation problems] Charenzowski L, et al. **Arch Belg Med Soc** 1981 May;39(5):292–300 **(Fre)**
[Health, pollution and energy problems in Belgium] Lafontaine A. **Arch Belg Med Soc** 1980 Nov–Dec; 38(9–10):602–16 **(Fre)**
[Energy and health. The concept of risk and its evaluation] Levy E, et al. **Arch Belg Med Soc** 1980 Nov–Dec; 38(9–10):560–7 **(Fre)**
[The nuclear industry and health] Lépine P. **Bull Acad Natl Med (Paris)** 1981 Jun;165(6):765–74 **(Fre)**
[50 years of geomedicine. Activities in a new direction of research (editorial)] Jusatz HJ. **MMW** 1982 Apr 2; 124(13):323–4 **(Ger)**
[Environmental health inspector—are the title and training outdated?] Fritsch C. **Off Gesundheitswes** 1981 Aug; 43(8):383–5 **(Ger)**
[Public health administration and environment protection] Jantzen G. **Off Gesundheitswes** 1981 Nov;43(11):556–8 **(Ger)**
[Communal hygiene prevention in curative medicine] Grahneis H, et al. **Z Gesamte Hyg** 1981;27(5):362–4 (Eng. Abstr.) **(Ger)**
[Energy and health. Symposium] **Arch Belg Med Soc** 1980 Nov–Dec;38(9–10):554–636 **(Mul)**
[Hygienic principles of the allocation and development of productive forces in different regions of the USSR] Cherepov EM, et al. **Gig Sanit** 1981 Jun;(6):12–5 **(Rus)**
[Meteorological radars as an energy source of a superhigh-frequency range electromagnetic field and environmental hygiene problems] Dumanskiĭ IuD, et al. **Gig Sanit** 1982 Feb;(2):7–11 (Eng. Abstr.) **(Rus)**
[Relative role of hereditary and environmental factors in the development of children and adolescents] Khamaganova TG, et al. **Gig Sanit** 1981 Oct;(10):25–8 (Eng. Abstr.) **(Rus)**
[Tasks of the hygiene community in light of decisions of the 26th Congress of the CPSU] Krotkov FG, et al. **Gig Sanit** 1981 Jun;(6):4–7 **(Rus)**
[Tasks of hygienic research in studying physical environmental factors in light of the decisions of the 26th Congress of the CPSU] Shandala MG. **Gig Sanit** 1981 Aug; (8):4–7 **(Rus)**
[Determination of the role of individual factors in the complex effect of the environment on population health] Shandala MG, et al. **Gig Sanit** 1981 Sep;(9):4–6 **(Rus)**
[Results of a 25-year study of noise and vibration as an environmental factors] Shitskova AP, et al. **Gig Sanit** 1981 Oct;(10):48–51 **(Rus)**
[Environmental hygiene today and paths toward its further development] Sidorenko GI. **Gig Sanit** 1982 Mar;(3):4–7 **(Rus)**
[Development of prepathological states (overstrain and overfatigue) as affected by work and environmental factors] Navakatikian AO. **Gig Tr Prof Zabol** 1981 Nov;(11):14–8 (23 ref.) (Eng. Abstr.) **(Rus)**
[Analysis of the role of genetic and environmental factors in predicting therapeutic effectiveness in arterial hypertension] Trubnikov VI, et al. **Kardiologiia** 1982; 22(7):63–8 (Eng. Abstr.) **(Rus)**
[Effect of a complex of environmental parameters on the human body] Arslanova RM, et al. **Kosm Biol Aviakosm Med** 1981 Sep–Oct;15(5):53–5 (Eng. Abstr.) **(Rus)**
[Medical and social aspects of public health in Siberia and the Far East] Borodin IuI. **Vestn Akad Med Nauk SSSR** 1981;(11):44–7 (Eng. Abstr.) **(Rus)**
[Methodological basis of the quantitative evaluation of the effect of environmental factors on the health of the population] Golubev IR. **Vestn Akad Med Nauk SSSR** 1981;(11):72–80 **(Rus)**
[Combined action of ionizing radiation and other environmental factors (a review of the literature)] Dobrovol'skiĭ LA. **Vrach Delo** 1981 Dec;(12):11–6 **(Rus)**
[Effect of physical environmental factors on the daily and seasonal frequency distribution of bronchial asthma attacks] Ignat'ev VA, et al. **Vrach Delo** 1981 Dec;(12):71–4 (Eng. Abstr.) **(Rus)**
[Environmental health promotion: the way to community health (on the 50th anniversary of the Marzeev Kiev Research Institute of General and Communal Hygiene)] Shandala MG. **Vrach Delo** 1981 Sep;(9):1–5 **(Rus)**
[Environmental hygiene and the prevention of diarrheal diseases] **Bol Of Sanit Panam** 1981 Jun;90(6):549–57 **(Spa)**
[Agreement reforming the 3d of several points created by the Intersecretarial Commission of Environmental Health] **Salud Publica Mex** 1981 Jul–Aug;23(4):422–3 **(Spa)**
[Delegation of powers to the incumbent of the Secretariat of Health and Welfare] **Salud Publica Mex** 1982 Jan–Feb; 24(1):77–8 **(Spa)**

ENVIRONMENTAL POLLUTANTS

Household risks with inorganic fibers. Selikoff IJ. **Bull NY Acad Med** 1981 Dec;57(10):947–61
Lead: a case study in interagency policy-making. Billick IH. **Environ Health Perspect** 1981 Dec;42:73–9
Some effects of the respired environment on the nose. Ballenger JJ. **Laryngoscope** 1981 Oct;91(10):1622–6
2,4-Dichlorophenoxyacetic acid—a new environmental mutagen. Khalatkar AS, et al. **Mutat Res** 1982 Feb; 103(2):111–4
Environmental pollution by anaesthetic agents: a consideration for developing countries. Nightingale KW. **Trop Doct** 1982 Jan;12(1):2–7
[Environmentally induced contamination of foods by carcinogenic hydrocarbons in the GDR and the Hungarian People's Republic] Fritz W, et al. **Nahrung** 1981; 25(10):905–13 (Eng. Abstr.) **(Ger)**
[Relevant environmental pollutants] Funke E, et al. **Off Gesundheitswes** 1982 Jan;44(1):1–5 **(Ger)**
[Current levels of cadmium in living organisms: physiopathological, clinical and therapeutic considerations] Mancinella A. **Clin Ter** 1981 Sep 15;98(5):545–60 (95 ref.) (Eng. Abstr.) **(Ita)**
[Method of determining the radioactive iodine content of environmental objects and biological material] Dubynin OD, et al. **Gig Sanit** 1981 Jun;(6):53–4 **(Rus)**

ADVERSE EFFECTS
Indoor nitrogen oxides. Goldstein BD, et al. **Bull NY Acad Med** 1981 Dec;57(10):873–82
Exposure to pollutants and daily time budgets of people. Moschandreas DJ. **Bull NY Acad Med** 1981 Dec; 57(10):845–59
Approaches to assessing host resistance. Bradley SG, et al. **Environ Health Perspect** 1982 Feb;43:61–9
Application of tumor, bacterial and parasite susceptibility assays to study immune alterations induced by environmental chemicals. Dean JH, et al. **Environ Health Perspect** 1982 Feb;43:81–8
Biological markers for chemical exposure [news] Maugh TH 2d. **Science** 1982 Feb 5;215(4533):643–7
Human and animal salmonellosis in Scotland associated with environmental contamination, 1973–79. Reilly WJ, et al. **Vet Rec** 1981 Jun 27;108(26):553–5
[Technical aspects of risks connected with energy production] Jaumotte AL. **Arch Belg Med Soc** 1980 Nov–Dec;38(9–10):568–85 **(Fre)**
[Environmental influences on fertility (author's transl)] Mattheus A, et al. **Derm Beruf Umwelt** 1981;29(5):135–8 (Eng. Abstr.) **(Ger)**

[Methodological problems of studying and evaluating the effect of environmental pollution on the reproductive function of women and on the population increase] Golubev IR, et al. **Gig Sanit** 1982 Apr;(4):74–6 **(Rus)**

[Assessment of the degree of population health hazard of environmental factors] Litvinov NN, et al. **Gig Sanit** 1981 Oct;(10):71–4 (15 ref.) **(Rus)**

[Determination of the mutagenic potential of an environmental pollutant, mercuric chloride] Vasil'eva IM, et al. **Tsitol Genet** 1982 Mar–Apr;16(2):21–4 (Eng. Abstr.) **(Rus)**

ANALYSIS

Use of blood levels to infer carcass levels of contaminants. Hensler G, et al. **Arch Environ Contam Toxicol** 1982; 11(2):235–8

Negative chemical ionization mass spectrometry: applications in environmental analytical chemistry. Dougherty RC. **Biomed Mass Spectrom** 1981 Jul;8(7):283–92 (23 ref.)

The importance of natural variabilities in the total analytical scheme. Huggett RJ. **Biomed Mass Spectrom** 1981 Sep; 8(9):416–8

Tandem mass spectrometry in trace toxicant analysis. McLafferty FW. **Biomed Mass Spectrom** 1981 Sep; 8(9):446–8

Polychlorinated biphenyl and other chlorinated hydrocarbon residues in adipose tissue of Canadians. Mes J, et al. **Bull Environ Contam Toxicol** 1982 Jan;28(1):97–104

A gas chromatographic procedure for the determination of environmental furfural. Sidhu KS. **Bull Environ Contam Toxicol** 1982 Feb;28(2):250–5

Triclopyr, glyphosate and phenoxyherbicide residues in cowberries, bilberries and lichen. Siltanen H, et al. **Bull Environ Contam Toxicol** 1981 Nov;27(5):731–7

The geographical distribution of high cadmium concentrations in the environment and prostate cancer in Alberta. Bako G, et al. **Can J Public Health** 1982 Mar–Apr; 73(2):92–4

Biological monitoring of exposure to chemical pollutants; exposure tests, biological limits and methods of analysis: a review. Bardodej Z. **Dev Toxicol Environ Sci** 1980; 8:335–46 (100 ref.)

TCDD contamination in the Seveso incident. Fanelli R, et al. **Drug Metab Rev** 1982;13(3):407–22

Trace analysis as an aid to risk assessment. Egan H. **Ecotoxicol Environ Safety** 1981 Dec;5(4):465–8

Criteria for assessing the environmental behavior of chemicals: selection and preliminary quantification. Frische R, et al. **Ecotoxicol Environ Safety** 1982 Jun;6(3):283–93

Physicochemical properties as useful tools for predicting the environmental fate of organic chemicals. Klöpffer W, et al. **Ecotoxicol Environ Safety** 1982 Jun;6(3):294–301

Lead contamination associated with snowmobile trails. Collins BJ, et al. **Environ Res** 1982 Feb;27(1):159–63

The Arnhem Lead Study. II. Indoor pollution, and indoor/outdoor relationships. Diemel JA, et al. **Environ Res** 1981 Aug;25(2):449–56

Occurrence of methylated mercury in a terrestrial food chain. Huckabee JW, et al. **Environ Res** 1981 Oct;26(1):174–81

Lead pollution in Tokyo—the pigeon reflects its amelioration. Ohi G, et al. **Environ Res** 1981 Oct;26(1):125–9

The relationship of environmental lead to blood–lead levels in children. Stark AD, et al. **Environ Res** 1982 Apr; 27(2):372–83

Capillary column gas chromatography of environmental polycyclic aromatic compounds. Lee ML, et al. **Int J Environ Anal Chem** 1982;11(3–4):251–62

Contribution to the problem of environmental contamination with mercury. Tuček J, et al. **J Hyg Epidemiol Microbiol Immunol** 1981;25(4):354–63

Estimating the proportion of mutagenic compounds in environmental samples. Rao BR, et al. **J Toxicol Environ Health** 1982 Mar;9(3):499–508

Some metabolic interrelationships among cadmium, lead, copper and zinc: results from a field survey in CD–polluted areas in Japan. Part II. Fecal excretion of the heavy metals. Iwao S, et al. **Keio J Med** 1981 Apr;30(2):71–82

Some metabolic interrelationships among cadmium, lead, copper and zinc: results from a field survey in CD–polluted areas in Japan. Part III. Urinary excretion of the heavy metals. Iwao S, et al. **Keio J Med** 1981 Apr;30(2):89–96

Organochlorines in wild mink (Mustela vison) from Norway. Skaare JU, et al. **Nord Vet Med** 1981 Jun–Aug; 33(6–8):366–70

Detection of 129I in some environmental samples. Ikeda N, et al. **Radioisotopes** 1981 Mar;30(3):162–4

A field study of the validity of static paper sampling in fluoride pollution surveys. Alary J, et al. **Sci Total Environ** 1981 Dec;22(1):11–8

Exposure of man to environmental arsenic – an exposure commitment assessment. Bennett BG. **Sci Total Environ** 1981 Sep;20(2):99–107

Exposure of man to environmental nickel—an exposure commitment assessment. Bennett BG. **Sci Total Environ** 1982 Feb;22(3):203–12

Health risks from volatile halogenated hydrocarbons? Lahl U, et al. **Sci Total Environ** 1981 Sep;20(2):171–89

[Evaluation of environmental analytical data from the Federal Republic of Germany demonstrated by chloroform in drinking water (author's transl)] Bauer U, et al. **Zentralbl Bakteriol Mikrobiol Hyg [B]** 1981; 173(3–4):149–58 **(Ger)**

[Human exposure to environmental chemicals – investigations on volatile organic halogenated compounds in water, air, food, and human tissues. III. Communication: results of investigations (author's transl)] Bauer U. **Zentralbl Bakteriol Mikrobiol Hyg [B]** 1981 Dec; 174(3):200–37 **(Ger)**

[An urgent radioactivity detection on 252Cf contamination accident (author's transl)] Kosako T, et al. **Radioisotopes** 1981 Jun;30(6):352–9 **(Jpn)**

[Studies on trace amounts of 137Cs in environmental samples--determination of 137Cs in agricultural and livestock products (author's transl)] Minami T, et al. **Radioisotopes** 1981 Jun;30(6):305–10 (Eng. Abstr.) **(Jpn)**

[Caesium 137 in meat from reindeer and grouse from Svalbard 1980 (author's transl)] Kjos-Hanssen B, et al. **Nord Vet Med** 1981 Jun–Aug;33(6–8):371–3 (Eng. Abstr.) **(Nor)**

[A procedural scheme for the study of the specificity of photocolorimetric methods for the detection of toxic substances in the environmental media] Verzhbitskaia EA, et al. **Gig Sanit** 1981 Dec;(12):31–3 **(Rus)**

[Scientific basis for the time of work resumption following pesticide use in hothouses] Zor'eva TD. **Gig Sanit** 1982 Mar;(3):74–6 **(Rus)**

[Use of the gas chromatographic method for environmental analysis (a review of papers from 1978–1980)] Iavorovskaia SF. **Gig Tr Prof Zabol** 1981 Oct;(10):35–40 (93 ref.) **(Rus)**

[Possible injury to the health of an open community from chromium salts in the environment. IV. Study on the population of Lecheria–San Francisco Chilpan] Neri R, et al. **Salud Publica Mex** 1982 Jan–Feb;24(1):25–32 (Eng. Abstr.) **(Spa)**

BLOOD

[Blood lead level in subjects with occupational exposure to its compounds] Jarczyk L, et al. **Pol Tyg Lek** 1981 Aug 17;36(33):1257–9 (Eng. Abstr.) **(Pol)**

ISOLATION & PURIFICATION

Purgeable organic compounds in mother's milk. Pellizzari ED, et al. **Bull Environ Contam Toxicol** 1982 Mar; 28(3):322–8

METABOLISM

The incorporation of toxic organic chemicals into food chains. Bowes GW. **Biomed Mass Spectrom** 1981 Sep; 8(9):419–25

Symposium on metabolism and pharmacokinetics of environmental chemicals in man. **Drug Metab Rev** 1982; 13(1):1–187

Ecotoxicological profile analysis. VII. Screening chemicals for their environmental behavior by comparative evaluation. Freitag D, et al. **Ecotoxicol Environ Safety** 1982 Feb;6(1):60–81

Organochlorine concentrations in balb eagles; brain/body lipid relations and hazard evaluation. Barbehenn KR, et al. **J Toxicol Environ Health** 1981 Jul–Aug;8(1–2):325–30

PHARMACODYNAMICS

Effects of polychlorinated biphenyls and environmental temperature on in vitro formation of benzo[a]pyrene metabolites by liver of trout (Salmo gairdneri). Egaas E, et al. **Biochem Pharmacol** 1982 Feb 15;31(4):561–6

Note on the utility of the st mus302 test for chromosome loss in a blind test of an environmental compound for chromosome breakage in Drosophila. Zimmering S. **Mutat Res** 1982 Apr;104(1–3):117–9

[In vitro transformation of human amniotic fluid cells in the presence of fecalase. Method for detecting environmental chemicals with oncogenic potential] Aranda M, et al. **C R Soc Biol (Paris)** 1982;176(1):39–44 (Eng. Abstr.) **(Fre)**

POISONING

Reproductive hazards and industrial chemicals. Barlow SM, et al. **Ann Occup Hyg** 1981;24(4):359–61

Biological monitoring of children living in the vicinity of a lead smelting plant. Prpić-Majić D, et al. **Dev Toxicol Environ Sci** 1980;8:603–5

Epidemiological problems with TCDD (a critical view). Tognoni G, et al. **Drug Metab Rev** 1982;13(3):447–69

An embedded figures test in environmental and occupational neurotoxicology. Valcuikas JA, et al. **Environ Res** 1982 Jun;28(1):183–98

Neurotoxicology--meet the real world [editorial] Reiter LW. **Neurobehav Toxicol** 1980 Summer;2(2):73–4

[Splinter and beam (letter)] van der Kamp JS. **Tijdschr Diergeneeskd** 1982 Jun 1;107(11):428–9 **(Dut)**

RADIATION EFFECTS

Photochemistry of phenylurea herbicides and their reactions in the environment. Kotzias D, et al. **Ecotoxicol Environ Safety** 1981 Dec;5(4):503–12

TOXICITY

Effects of polychlorinated terphenyls and paraffins on rat liver microsomal cytochrome P-450 and in vitro metabolic activities. Nilsen OG, et al. **Arch Toxicol** 1981 Mar; 47(1):1–11

Effect of selected environmental pollutants and other chemicals on the activity of urease (in vitro). Olson DL, et al. **Bull Environ Contam Toxicol** 1982 Apr;28(4):439–45

Carcinogenicity of the environmental pollutants cyclopenteno-[cd]pyrene and cyclopentano[cd]pyrene in mouse skin. Cavalieri E, et al. **Carcinogenesis** 1981; 2(4):277–81

Effects of high environment copper concentration on the oxygen consumption, condition and shell morphology of natural populations of Mytilus edulis L. and Littorina rudis Maton. Wilson JG, et al. **Comp Biochem Physiol [C]** 1981; 70(2):139–47

Brain slices, assay systems for the neurotoxicity of environmental pollutants and drugs on mammalian central nervous system. Kuroda Y. **Dev Toxicol Environ Sci** 1980; 8:59–62

TCDD toxicology with particular reference to Seveso: introductory remarks. Garattini S. **Drug Metab Rev** 1982; 13(3):345–53 (36 ref.)

Assessment of myelotoxicity caused by environmental chemicals. Boorman GA, et al. **Environ Health Perspect** 1982 Feb;43:129–35

Controversy at Love Canal. Paigen B. **Hastings Cent Rep** 1982 Jun;12(3):29–37

Chloracne following environmental contamination by TCDD in Seveso, Italy. Caramaschi F, et al. **Int J Epidemiol** 1981 Jun;10(2):135–43

Proceedings of the 7th Symposium on Environmental Pollutants and Toxicology, Kobe. Abstracts. **J Pharmacobiodyn** 1981 May;4(5):s55–83

Disposal of toxic waste on landfill sites. Keen RC. **R Soc Health J** 1982 Apr;102(2):67–72

Environmental toxicology, its history and future with special attention to the situation in the Netherlands. Koeman JH, et al. **Tijdschr Diergeneeskd** 1981 Oct;106(20):suppl 3:196–9

Screening and function studies in immunotoxicity testing. Vos JG. **Tijdschr Diergeneeskd** 1981 Oct;106(20):suppl 3:190–5

Illinois Animal Toxicology Hotline: a system for monitoring environmental contamination. Buck WB. **Vet Hum Toxicol** 1981 Apr;23(2):81–3

[Use of the calculation of survival times in environmental toxicology: indications and limits] Jovine R, et al. **Ann Ist Super Sanita** 1981;17(3):561–6 **(Ita)**

[Biochemical criteria for the hygienic assessment of the various biological effects of environmental chemical factors (hepato–, neuro– and gonadotoxic action] Merkur'eva RV, et al. **Gig Sanit** 1981 Sep;(9):22–5 (Eng. Abstr.) **(Rus)**

[Significance of enzymatic disorganization and membrane labilization of intracellular structures in the manifestation of the biological effects of chemical environmental factors] Sidorenko GI, et al. **Gig Sanit** 1981 Aug;(8):8–12 (24 ref.) (Eng. Abstr.) **(Rus)**

[Integrating role of the probability principle in establishing the maximum permissible human loads of environmental factors] Svatkov VI. **Gig Sanit** 1982 Apr;(4):86–8 **(Rus)**

ENVIRONMENTAL POLLUTION

Popullution, the 1981 APHA Presidential Address. Gordon LJ. **Am J Public Health** 1982 Apr;72(4):341–6

A public policy for hazardous wastes. Ginsberg WR. **Ann NY Acad Sci** 1982;387:39–45

The importance of the quality of indoor air. Hinkle LE Jr, et al. **Bull NY Acad Med** 1981 Dec;57(10):827–44

The carcinogenicity of N–nitrosodiethanolamine, an environmental pollutant, in Syrian hamsters. Pour P, et al. **Cancer Lett** 1981 Oct;14(1):23–7

Radiation and Rocky Flats in perspective. Hunt DC, et al. **Colo Med** 1981 Apr;78(4):111–4

A layman's guide to health in a highly technological society: you can't get there from here. Lindsay B. **Drug Metab Rev** 1982;13(1):5–24

Determination of a polar population distribution from a county oriented data base. Fields DE, et al. **Health Phys** 1981 Sep;41(3):551–4

Environmental zinc and cadmium pollution associated with generalized osteochondrosis, osteoporosis, and nephrocalcinosis in horses. Gunson DE, et al. **J Am Vet Med Assoc** 1982 Feb 1;180(3):295–9

Contamination of the environment by special purpose centrifuges used in clinical laboratories. Harper GJ. **J Clin Pathol** 1981 Oct;34(10):1114–23

Health, energy, and the environment. Peterson RW. **J Public Health Policy** 1982 Jun;3(2):130–9

Is the presence of low–level environmental contamination a sufficient excuse for not diagnosing mass hysteria? [letter] Levine RJ. **JOM** 1981 Sep;23(9):597–9

DNA repair assays as tests for environmental mutagens. A report of the U.S.EPA Gene–Tox Program. Larsen KH, et al. **Mutat Res** 1982 May;98(3):287–318 (130 ref.)

Ozone pollution due to lonozone therapy [letter] Pollock R. **Physiotherapy** 1982 Apr;68(4):131

In–vivo estimates for the uptake of caesium–137 by cattle grazing contaminated pasture around the ESK and IRT estuaries, Cumbria, U.K. Sumerling TJ. **Sci Total Environ** 1981 Dec;22(1):39–50

Thumbs down on use of defoliants in Amazon [news] Sun M. **Science** 1982 Sep 3;217(4563):913

The halogenated hydrocarbon pesticides: the environment and mankind. Turner GV. **Vet Hum Toxicol** 1982 Feb; 24(1):31–3 (8 ref.)

Rapid assessment of sources of air, water, and land pollution. **WHO Offset Publ** 1982;62:1–113

[Study on environmental noise pollution in Qingdao (author's transl)] Li JS, et al. **Chung Hua Yu Fang I Hsueh Tsa Chih** 1981 Jan;15(1):41–3 **(Chi)**

[Environmental pollution and chronic disease. Epidemiological and statistical questions] Steensberg J. **Ugeskr Laeger** 1981 Jul 6;143(28):1788–92 (Eng. Abstr.) **(Dan)**

[Environmental pollution and chronic disease. Administrative questions] Steensberg J. **Ugeskr Laeger** 1981 Jul 27; 143(31):1982–6 **(Dan)**

[Carbon monoxide poisoning] Douze JM. **Ned Tijdschr Geneeskd** 1982 Jan 9;126(2):66–7 **(Dut)**

[Hazardous environment of tomorrow? Mutagenicity, carcinogenicity, teratogenicity] Saxén L. **Duodecim** 1981; 97(20):1733–7 **(Fin)**

[Health, pollution and energy problems in Belgium] Lafontaine A. **Arch Belg Med Soc** 1980 Nov–Dec; 38(9–10):602–16 **(Fre)**

[Environmental asbestos pollution and public health in Quebec] Pampalon R, et al. **Union Med Can** 1982 May; 111(5):475–82, 487–9 (Eng. Abstr.) **(Fre)**

[WHO Collaborating Centre for Research and Training in Veterinary Public Health at the Hannover Veterinary College. 10th seminar on environmental hygiene, 19 February 1982; Environmental pollution by disinfectants in animal production. Abstracts] **DTW** 1982 May 6; 89(5):193–209 **(Ger)**

[Environment and lung diseases] Thurner J, et al. **Fortschr Med** 1982 Jan 28;100(4):122–6 **(Ger)**

[Degradation of the environment. III. Soil hygiene and measures concerning areas affected by TCDD contamination] Alberani V, et al. **Ann Ist Super Sanita** 1981; 17(2):323–35 **(Ita)**

[Aerospace use of nuclear energy and current biological problems of environmental contamination] La Verde R, et al. **Minerva Med** 1982 Aug 25;73(32–33):2075–81 (Eng. Abstr.) **(Ita)**

[Urinary beta 2-microglobulin for residents in an environmentally cadmium-polluted area, –studies of generational and sexual differences, and a comparison with the results of proximal renal tubular function tests (author's transl)] Shitomi K, et al. **Nippon Jinzo Gakkai Shi** 1981 Jan;23(1):45–62 (Eng. Abstr.) **(Jpn)**

[Current health problems related to environmental pollution. I. Pollution of soil, water, the atmosphere, plants and fodder] Nikonorow M. **Rocz Panstw Zakl Hig** 1981; 32(5–6):393–405 **(Pol)**

[The environment and cardiovascular disease] Rozenberg S. **Arq Bras Cardiol** 1981 Nov;37(5):403–7 (Eng. Abstr.) **(Por)**

[Creation of a government information system on the population's health status in relation to environmental pollution] Golubev IR, et al. **Gig Sanit** 1981 Nov;(11):38–40 **(Rus)**

[Integral assessment problems of the hazard of environmental chemical pollution] Medved' LI, et al. **Gig Sanit** 1982 Jun; (6):62–4 **(Rus)**

ANALYSIS

Living area contamination by chlordane used for termite treatment. Livingston JM, et al. **Bull Environ Contam Toxicol** 1981 Sep;27(3):406–11

[Relation between emission density and environmental impact as exemplified by SO2 and sedimentation dust in heavily populated centers] Bredel H, et al. **Z Gesamte Hyg** 1982 Apr;28(4):237–41 (Eng. Abstr.) **(Ger)**

[Use of a geochemical mapping method in hygiene research] Revich BA, et al. **Gig Sanit** 1981 Jul;(7):48–50 **(Rus)**

[Environmental pollution by carcinogenic hydrocarbons from the combustion of aviation fuel] Smirnov GA, et al. **Gig Sanit** 1981 Aug;(8):78 **(Rus)**

PREVENTION & CONTROL

Uncalibrated anaesthetic scavenging systems with open reservoirs. An assessment in Danish hospitals. Jørgensen S, et al. **Anaesthesia** 1982 Aug;37(8):833–5

Health aspects of indoor air pollution: social, legislative, and economic considerations. Ferrand EF, et al. **Bull NY Acad Med** 1981 Dec;57(10):1061–6

Tier testing systems in toxicology and decision-making criteria for their use. Astill BD, et al. **Dev Toxicol Environ Sci** 1980;8:441–52

Regulatory issues in toxic substances control legislation. Davies JC. **Dev Toxicol Environ Sci** 1980;8:429–39

The International Programme on Chemical Safety. Somers E. **Dev Toxicol Environ Sci** 1980;8:465–72

Problems of environmental protection and hygiene in Komarom County. Csinády L. **Geogr Med** 1981;11:162–79

Neurobehavioral toxicology: a view for 'down under'. Russell RW, et al. **Neurobehav Toxicol Teratol** 1982 Jan–Feb;4(1):5–7

The rising danger from radioactivity. Apton AA. **Proc Virchow Pirquet Med Soc** 1980 Dec;34:114–5

The chemical pollution of the environment and especially of the water sources which are raising special problems of prevention and combat. Zamfir G. **Rev Med Chir Soc Med Nat Iasi** 1981;85(1):45–8

Data regarding the incidence decrease of some diseases under the conditions of urban environmental pollution reduction. Deleanu M, et al. **Sante Publique (Bucur)** 1981; 24(2–3):239–48

[From the Veterinary Chief Public Health Inspection and Board of the Veterinary Service. Report on slaughterhouse waste water problems] **Tijdschr Diergeneeskd** 1982 May 15;107(10):391–2 **(Dut)**

[What should be done with leftover animal drugs?] Boogaerdt J. **Tijdschr Diergeneeskd** 1982 Apr 1;107(7):292–4 **(Dut)**

[Reflections on a life-cycle fish toxicity test with reference to the German Chemicals Control Act (author's transl)] Bresch H. **DTW** 1981 Jun 5;88(6):237–8 (Eng. Abstr.) **(Ger)**

[Public health administration and environment protection] Jantzen G. **Off Gesundheitswes** 1981 Nov;43(11):556–8 **(Ger)**

[Industrial hygiene problems in the production of alumina and aluminum] Casula D, et al. **Med Lav** 1981 Jul–Aug; 72(4):283–90 **(Ita)**

[Review of laboratory waste control (author's transl)] Shirato S. **Rinsho Byori** 1981 May;29(5):485–90 **(Jpn)**

[Use of microorganisms in controlling environmental pollution] Bagdasar'ian GA, et al. **Gig Sanit** 1981 Nov; (11):11–3 (Eng. Abstr.) **(Rus)**

[The provision of microbiological monitoring of the environment] Bagdasar'ian GA, et al. **Gig Sanit** 1981 Dec; (12):55–7 **(Rus)**

[Biological pollution problems of the environment and its control] Geniatulin KV. **Gig Sanit** 1982;(1):58–62 (19 ref.) **(Rus)**

[Hygienic regulation of biological pollution of the environment] Sidorenko GI, et al. **Gig Sanit** 1981 Nov; (11):4–7 (Eng. Abstr.) **(Rus)**

[Tasks of industrial hygiene and environmental protection in ferrous and nonferrous metallurgy in relation to scientific and technical progress] Velichkovskii BT, et al. **Gig Tr Prof Zabol** 1981 Nov;(11):1–5 (Eng. Abstr.) **(Rus)**

[Federal Environmental Protection Law] **Salud Publica Mex** 1982 Mar–Apr;24(2):195–206 **(Spa)**

[National Foundation for the Prevention and Control of Environmental Pollution] **Salud Publica Mex** 1981 Sep–Oct;23(5):527–9 **(Spa)**

ENVIRONMENTAL POLLUTION, TOBACCO SMOKE see **TOBACCO SMOKE POLLUTION**

ENZYMATIC ZONULOLYSIS

ADVERSE EFFECTS

Vision-threatening glaucoma following cataract surgery. Cohen JS, et al. **Ann Ophthalmol** 1981 Sep;13(9):1045–7

ENZYME ACTIVATION

Protein activators for the hydrolysis of GM1 and GM2 gangliosides. Li SC, et al. **Methods Enzymol** 1982;83 Pt D:588–95

Bovid herpesvirus type-1 (infectious bovine rhinotracheitis virus)-induced thymidine kinase. Weinmaster GA, et al. **Virology** 1982 Apr 15;118(1):191–201

DRUG EFFECTS

Role of zinc as an activator of mitochondrial function in rat liver. Yamaguchi M, et al. **Biochem Pharmacol** 1982 Apr 1;31(7):1289–93

[Selective enzyme activation, a way to develop new therapeutic agents?] Tschiersch B. **Pharmazie** 1981 Dec; 36(12):853–5 **(Ger)**

[The effect of heparin on the activation of kallikreinogen in human plasma] Lehmann B, et al. **Z Med Lab Diagn** 1981;22(6):356–7 **(Ger)**

[Effect of various drugs in vivo and in vitro on the results of the most frequently performed enzymatic determinations in a clinical laboratory] Trząski M. **Folia Med Cracov** 1980; 22(3–4):463–73 (Eng. Abstr.) **(Pol)**

ENZYME IMMUNOASSAY see **IMMUNOENZYME TECHNICS**

ENZYME INDUCTION

Differential effects of enzyme induction on antipyrine metabolite formation. Danhof M, et al. **Br J Clin Pharmacol** 1982 Mar;13(3):379–86

[In vivo tests for the evaluation of hepatic enzyme induction in humans (author's transl)] Miguet JP, et al. **Gastroenterol Clin Biol** 1981;5(8–9):798–811 **(Fre)**

DRUG EFFECTS

Variations of some parameters of enzyme induction in chemical workers. Dolara P, et al. **Ann Occup Hyg** 1982; 25(1):27–32

Application of a geometric parameter defining molecular shape, for the quantitation of interaction of polycyclic aromatic hydrocarbons with enzyme systems. Lamparczyk H, et al. **Biochem Pharmacol** 1981 Aug 15;30(16):2337–41

Enzyme induction and hepatic glycerolipid synthesis in rats treated with 3-methylcholanthrene. Goldberg DM, et al. **Can J Biochem** 1981 Sep;59(9):793–8

Correlation between transformation potential and inducible enzyme levels of hamster embryo cells. Poiley JA, et al. **Carcinogenesis** 1980 Apr;1(4):323–8

Binding of polychlorinated biphenyls classified as either phenobarbitone-, 3-methylcholanthrene- or mixed-type inducers to cytosolic Ah receptor. Bandiera S, et al. **Chem Biol Interact** 1982 Apr;39(3):259–77

Polyhalogenated biphenyls and phenobarbital: evaluation as inducers of drug metabolizing enzymes in the sheepshead, Archosargus probatocephalus. James MO, et al. **Chem Biol Interact** 1981 Aug;36(2):229–48

The effect of trans-stilbene oxide and other structurally related inducers of drug-metabolizing enzymes on glucuronidation. Seidegård J, et al. **Chem Biol Interact** 1982 May;40(1):15–25

Coronary heart disease, cancer, lipoproteins, and the effects of clofibrate: is enzyme induction a common link and are lipoproteins red herrings? Heller RF. **Lancet** 1981 Dec 5; 2(8258):1258–60

Induction and lipoproteins [letter] Luoma PV, et al. **Lancet** 1982 Mar 13;1(8272):625

Soluble glutathione S-transferases from rat testes: isoenzyme pattern and lack of inducibility by drug metabolizing enzyme inducers. Dierickx PJ. **Toxicol Eur Res** 1982 Jan; 4(1):47–51

Induction of group-1 and group-2 UDP-glucuronosyltransferase in microsomes from the livers of C57 Bl/6 mice. Batt AM, et al. **Toxicol Lett** 1981 Dec;9(4):355–60

[Is pyrithyldione (Benedorm) an enzyme inducer (author's transl)] Borchert HH, et al. **Pharmazie** 1982 Jan;37(1):69 **(Ger)**

[Clinical significance of the induction and repression of the enzymes of drug metabolism] Bushma MI, et al. **Klin Med (Mosk)** 1982 May;60(5):16–21 **(Rus)**

RADIATION EFFECTS

Plasminogen activator: analysis of enzyme induction by ultraviolet irradiation mapping. Miskin R, et al. **Mol Cell Biol** 1981 Oct;1(10):884–90

ENZYME INHIBITORS

Enzymatic changes in the male reproductive organs by delta-9-tetrahydrocannabinol. Chakravarty I. **Biochem Pharmacol** 1982 Feb 1;31(3):415–8

Application of a geometric parameter defining molecular shape, for the quantitation of interaction of polycyclic aromatic hydrocarbons with enzyme systems. Lamparczyk H, et al. **Biochem Pharmacol** 1981 Aug 15;30(16):2337–41

Triazene metabolism. II. Transportability and enzyme inhibitory characteristics of metabolites of antitumor dimethyltriazenes. Godin JR, et al. **Can J Physiol Pharmacol** 1981 Dec;59(12):1239–44

Inhibitory effects of stomachic crude drugs on digestive enzymes. Yamazaki K, et al. **Chem Pharm Bull (Tokyo)** 1981 Oct;29(10):2966–73

The history and background of Augmentin. Rolinson GN. **S Afr Med J** 1982 Jul 28;62(5 Spec No):3A–4A

The in vitro activity of amoxycillin with clavulanic acid against clinically significant bacteria. A multicentre study. Van den Ende J, et al. **S Afr Med J** 1982 Jul 28;62(5 Spec No):5A–8A

[Inhibition of enzymatic activities by antifungal imidazole derivatives (author's transl)] Raab W, et al. **Mykosen** 1981 Sep;24(9):525–33 (Eng. Abstr.) **(Ger)**

[Clavulanic acid as an inhibitor of beta lactamase] Dănilă G. **Rev Med Chir Soc Med Nat Iasi** 1981 Apr–Jun;85(2):394 **(Rum)**

ADMINISTRATION & DOSAGE

Treatment of chancroid by clavulanic acid with amoxycillin in patients with beta-lactamase-positive Haemophilus ducreyi infection. Fast MV, et al. **Lancet** 1982 Sep 4; 2(8297):509–11

ANALYSIS

A rapid, semi-automated method for determining dibucaine numbers. Arnold WP. **Anesthesiology** 1981 Dec;55(6):676–9

BIOSYNTHESIS

Production of collagenase inhibitor by the growth cartilage of embryonic chick bone: isolation and partial characterization. Yasui N, et al. **Coll Relat Res** 1981; 1(1):59–72

CHEMICAL SYNTHESIS

Synthesis of benzamidine derivatives as inhibitors of clotting enzymes. Wagner G. **Folia Haematol (Leipz)** 1982; 109(1):67–74

Synthesis of pseudo cofactor analogues as potential inhibitors of the folate enzymes. Temple C Jr, et al. **J Med Chem** 1982 Feb;25(2):161–6

Synthesis and biological activity of the peroxy-ATP analogue, adenylyl 5'-peroxydiphosphate. Leonard NJ, et al. **Nucleic Acids Symp Ser** 1981;(9):141–4

[Beta-lactamase inhibitors. I. Synthesis and biological properties of penicillanic acid derivatives] Mikołajczyk J, et al. **Acta Pol Pharm** 1980;37(6):637–41 (Eng. Abstr.) **(Pol)**

CLASSIFICATION

The specific velocity plot. A graphical method for determining inhibition parameters for both linear and hyperbolic enzyme inhibitors. Baici A. **Eur J Biochem** 1981 Sep;119(1):9–14

ISOLATION & PURIFICATION

A protein inhibitor of cellulases in Dictyostelium discoideum. Jones TH, et al. **Biochem Biophys Res Commun** 1981 Oct 30;102(4):1310–6

Chick bone collagenase inhibitor and latency of collagenase. Sakamoto S, et al. **Biochem Biophys Res Commun** 1981 Nov 16;103(1):339–46

Purification of rabbit bone inhibitor of collagenase. Cawston TE, et al. **Biochem J** 1981 Apr 1;195(1):159–65

An inhibitor of collagenase from human amniotic fluid. Purification, characterization and action on metalloproteinases. Murphy G, et al. **Biochem J** 1981 Apr 1;195(1):167–70

A simplified procedure for the purification of the protein phosphatase modulator (inhibitor-2) from rabbit skeletal muscle. Yang SD, et al. **FEBS Lett** 1981 Sep 28; 132(2):293–5

Purification and properties of rat liver acetyl CoA carboxylase protein inhibitor. Abdel-Halim MN, et al. **Int J Biochem** 1981;13(11):1171–6

Purification and characterization of an inhibitor of calcium-activated neutral protease from rabbit skeletal muscle. Takahashi-Nakamura M, et al. **J Biochem (Tokyo)** 1981 Dec;90(6):1583–9

Isolation and characterization of two potent inhibitors of various NADH dehydrogenases formed during storage of NADH. Yamauti J, et al. **J Biochem (Tokyo)** 1981 Oct; 90(4):941–55

Identification of inhibitor-2 as the ATP-mg-dependent protein phosphatase modulator. Yang SD, et al. **J Biol Chem** 1981 Oct 25;256(20):10231–4

[Plant and microbial inhibitors of amylolytic enzymes (author's transl)] Andrzejczuk-Hybel J. **Postepy Biochem** 1981;27(2):181–96 (83 ref.) **(Pol)**

METABOLISM

The RNAse-RNAse inhibitor system in the liver of the frog Rana esculenta: subcellular distribution and differential binding of inhibitor with multiple RNAses. Malicka-Blaszkiewicz M, et al. **Acta Physiol Pol** 1981 May-Jun;32(3):317–26

Kinetics of irreversible enzyme inhibition by an unstable inhibitor [letter] Rakitzis ET. **Biochem J** 1981 Nov 1; 199(2):462–3

Production of collagenase and inhibitor (TIMP) by normal, rheumatoid and osteoarthritic synovium in vitro: effects of hydrocortisone and indomethacin. McGuire MB, et al. **Clin Sci** 1981 Dec;61(6):703–10

Characterization of collagenase, other metallo-proteinases and an inhibitor (TIMP) produced by human synovium and cartilage in culture. Murphy G, et al. **Clin Sci** 1981 Dec;61(6):711–6

PHARMACODYNAMICS

Statistical methods to distinguish competitive, noncompetitive, and uncompetitive enzyme inhibitors. Spector T, et al. **Anal Biochem** 1981 Aug;115(2):403–9

The inhibition of beta-lactamases from gram-negative bacteria by clavulanic acid. Reading C, et al. **Biochem J** 1981 Dec 1;199(3):779–87

Interruption of tumor-associated platelet consumption with platelet enzyme inhibitors. Slichter SJ, et al. **Blood** 1982 Jun;59(6):1252–8

Reversible and irreversible inhibitors of clustering of alpha 2M in clathrin-coated pits on the surface of fibroblasts. Dickson RB, et al. **Exp Cell Res** 1982 Jul;140(1):215–25

Inhibitors of cyclic AMP phosphodiesterase in medicinal plants. Nikaido T, et al. **Planta Med** 1981 Sep;43(1):18–23

[Effect of prostaglandin-synthetase inhibitors on responses of segments of coronary arteries to 4-methylesculetol and/or to angiotensin II] Bettini V, et al. **Acta Vitaminol Enzymol** 1981;3(4):244–52 (Eng. Abstr.) **(Ita)**

[Effect of drugs on regulatory enzymes in metabolic pathways] Gumińska M. **Folia Med Cracov** 1980; 22(3-4):241–61 (70 ref.) **(Pol)**

[Effect of various drugs in vivo and in vitro on the results of the most frequently performed enzymatic determinations in a clinical laboratory] Trząski M. **Folia Med Cracov** 1980; 22(3-4):463–73 (Eng. Abstr.) **(Pol)**

[Enzymatic conversion of polymers. Nature of apparent product inhibition in the course of enzymatic degradation of polymer substrates] Klesov AA, et al. **Biokhimiia** 1981 Oct;46(10):1840–6 (Eng. Abstr.) **(Rus)**

[Enzyme inactivation in the course of the reaction. Kinetic description and discrimination of mechanisms] Varfolomeev SD. **Biokhimiia** 1982 Mar;47(3):343–54 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

Kinetics of the inhibition of leukocyte elastase by the bronchial inhibitor. Gauthier F, et al. **Biochim Biophys Acta** 1982 Jan 18;700(2):178–83

Antitrypsin activity and enzyme inhibitors in the rheumatoid joint. Robinson AD, et al. **J Rheumatol** 1981 Jul-Aug; 8(4):547–54

THERAPEUTIC USE

Chemotherapeutic inhibitors of the enzymes of the de novo pyrimidine pathway. Kensler TW, et al. **Adv Pharmacol Chemother** 1981;18:273–352 (197 ref.)

Antitumor effect of dicyclohexylammonium sulfate, a potent inhibitor of spermidine, synthase. Hibasami H, et al. **Gan** 1981 Aug;72(4):512–6

Non-toxic inhibition of extracellular tumor enzymes--potential in cancer therapy. McCarty MF. **Med Hypotheses** 1982 Mar;8(3):303–10

ENZYME-LABELED ANTIBODY TECHNIC see IMMUNOENZYME TECHNICS

ENZYME-LINKED IMMUNOSORBENT ASSAY see under IMMUNOENZYME TECHNICS

ENZYME PRECURSORS

Amino acid sequences of transport peptides associated with canine exocrine pancreatic proteins. Carne T, et al. **J Biol Chem** 1982 Apr 25;257(8):4133–40

Proteolysis of C2 and factor B: analyses of cleavage products by one- and two- dimensional peptide mapping. Ngan BY, et al. **Mol Immunol** 1981 Dec;18(12):1035–47

HLA antigens and Bf allotypes in SLE: evidence for the association being with specific haplotypes. Black CM, et al. **Tissue Antigens** 1982 Feb;19(2):115–20

ANALYSIS

Elevated IgG and decreased complement component C3 and factor B in B-thalassaemia major. Sinniah D, et al. **Acta Paediatr Scand** 1981 Jul;70(4):547–50

Serial study of the complement fractions C3, C4 and C3PA in allergic children. Trindade JC, et al. **Allergol Immunopathol (Madr)** 1982 Jan-Feb;10(1):43–52

The HLAB*18,BF*F1 in haplotype in type 1 diabetes. Walsh LJ, et al. **Am J Med Genet** 1982 Mar;11(3):337–43

Localization of proacrosin on the inner acrosomal membrane of spermatozoa in rabbits and hamsters. Bradford MM, et al. **Am J Vet Res** 1981 Jun;42(6):1082–3

Properdin factor B in black type 1 (insulin-dependent) diabetic patients. Budowle B, et al. **Diabetologia** 1982 Jun; 22(6):483–5

Detection of gamma-carboxy glutamic acid residues in an extract of cock spermatozoa. Gentsch C, et al. **Experientia** 1981 Dec 15;37(12):1261–3

Increase in content and release of kallikreinogen in acute experimental pancreatitis in rats. Takasugi S, et al. **Hiroshima J Med Sci** 1982 Mar;31(1):45–50

[Functional assay of factor B. I. Purification of cobra venom factor and hemolytic assay of factor B (author's transl)] Yukiyama Y. **Arerugi** 1981 Jun;30(6):316–23 (Eng. Abstr.) **(Jpn)**

[Serum immunoglobulins, C3 and C4 complement components and C3 activator in children with joint-affecting diseases] Jankowski A, et al. **Pol Tyg Lek** 1982 May 3;37(9-10):255–7 (Eng. Abstr.) **(Pol)**

ANTAGONISTS & INHIBITORS

Leupeptin inhibits the C3/5 convertase CVFBb of the complement system. Caporale LH. **Biochim Biophys Acta** 1981 Jul 24;660(1):151–3

Proacrosin conversion inhibitor. Purification and initial characterization of a boar sperm protein which prevents the conversion of proacrosin into acrosin. Kennedy WP, et al. **J Biol Chem** 1982 Mar 25;257(6):3095–9

BIOSYNTHESIS

Proteolytic precursor processing in the biosynthesis of mitochondria. Heinrich PC, et al. **Acta Biol Med Ger** 1981; 40(10-11):1451–63

Cell-free synthesis of precursor forms of mitochondrial steroid hydroxylase enzymes of the bovine adrenal cortex. Kramer RE, et al. **Arch Biochem Biophys** 1982 May; 215(2):478–85

In vitro synthesis of precursor forms of pig heart aspartate aminotransferase isozymes. Sannia G, et al. **Biochem Biophys Res Commun** 1982 Mar 30;105(2):444–9

Biosynthesis of intestinal microvillar proteins. Translational evidence in vitro that aminopeptidase N is synthesized as a Mr-115000 polypeptide. Danielsen EM, et al. **Biochem J** 1982 Apr 15;204(1):323–7

Biosynthesis of preprorenin and intracellular conversion of prorenin to renin. Morris BJ, et al. **Clin Exp Pharmacol Physiol** 1981 Sep-Oct;8(5):441–5

Larger precursors of mitochondrial translation products in Neurospora crassa. Indications for a precursor of subunit 1 of cytochrome c oxidase. Van't Sant P, et al. **Eur J Biochem** 1981 Dec;121(1):21–6

A putative precursor of rat liver mitochondrial malate dehydrogenase. Aziz LE, et al. **FEBS Lett** 1981 Oct 12; 133(1):127–9

Biosynthesis of sulfite oxidase in rat liver - presence of a large precursor form of the enzyme in cytosol. Ono H, et al. **J Biochem (Tokyo)** 1982 Jan;91(1):117–23

Biosynthesis of aspartate aminotransferases. Both the higher molecular weight precursor of mitochondrial aspartate aminotransferase and the cytosolic isoenzyme are synthesized on free polysomes. Sonderegger P, et al. **J Biol Chem** 1982 Mar 25;257(6):3339–45

Biosynthesis of membrane factor B by mouse peritoneal macrophages. Ooi YM, et al. **Nature** 1982 Jul 22; 298(5872):389–91

BLOOD

Two forms of plasma renin after activation in vitro and their relation to natural plasma renin. Derkx FH, et al. **Clin Sci [Suppl]** 1981 Dec;61(7):295s–298s

Optimum tryptic activation of inactive renin in human plasma is independent of endogenous anti-tryptic activity. Rappelli A, et al. **Clin Sci [Suppl]** 1981 Dec;61(7):303s–305s

Plasma cryoactivated renin and active renin in diabetes mellitus. Manchandia MR, et al. **J Clin Endocrinol Metab** 1981 Nov;53(5):1025–9

[Determination of the inactive renin (prorenin) content in the blood plasma by a cryoactivation method] Uchitel' IA. **Lab Delo** 1982;(5):301–3 (Eng. Abstr.) **(Rus)**

CHEMICAL SYNTHESIS

Enzymic synthesis of lignin precursors. Comparison of cinnamoyl-CoA reductase and cinnamyl alcohol:NADP+ dehydrogenase from spruce (Picea abies L.) and soybean (Glycine max L.). Lüderitz T, et al. **Eur J Biochem** 1981 Sep;119(1):115–24

GENETICS

In vitro translation of cutinase mRNA: evidence for a precursor form of an extracellular fungal enzyme. Flurkey WH, et al. **Arch Biochem Biophys** 1981 Nov;212(1):154–61

Precursor of a mitochondrial enzyme accumulates in the cytoplasm of preen glands for a specialized function. Flurkey W, et al. **Biochem Biophys Res Commun** 1982 Jun 30;106(4):1346–52

In vitro synthesis of a putative precursor of serine: pyruvate aminotransferase of rat liver mitochondria. Oda T, et al. **Biochem Biophys Res Commun** 1981 Sep 16;102(1):568–73

Primary structure of two distinct rat pancreatic preproelastases determined by sequence analysis of the complete cloned messenger ribonucleic acid sequences. MacDonald RJ, et al. **Biochemistry** 1982 Mar 16; 21(6):1453–63

Associations of properdin factor B with melanoma. Budowle B, et al. **Cancer Genet Cytogenet** 1982 Mar;5(3):247–51

The Bf system in diabetes--gene interaction or linkage disequilibrium? Wolf E, et al. **Diabetologia** 1982 Feb; 22(2):85–8

Plasminogen activator released as inactive proenzyme from murine cells transformed by sarcoma virus. Skriver L, et al. **Eur J Biochem** 1982 May 17;124(2):409–14

Cell-free synthesis of the one-chain precursor of a major intrinsic protein complex of the small-intestinal brush border membrane (pro-sucrase-isomaltase). Wacker H, et al. **FEBS Lett** 1981 Dec 28;136(2):329–32

Genetic variants of properdin factor B (Bf) in Papio hamadryas baboons. Dykes DD, et al. **Folia Primatol (Basel)** 1981;36(3-4):226–31

Polymorphism of the A subunit of coagulation factor XIII in the Pacific region. Description of new phenotypes. Board PG, et al. **Hum Genet** 1981;59(2):135–6

Properdin factor B polymorphism in continental Italy and Sardinia. Malavasi F, et al. **Hum Genet** 1981;58(2):209–12

Polymorphism of properdin factor B in Japanese. Description of a rare variant and data of association with HLA and C2. Tokunaga K, et al. **Hum Genet** 1982;60(1):42–5

Genetic variants of human C3 and properdin factor B in a population from Tunisia. Davrinche C, et al. **Hum Hered** 1981;31(5):299–303

Human properdin factor B: gene frequency study in an African Negroid population (Niger). Davrinche C, et al. **Hum Hered** 1981;31(5):304–7

Properdin factor B(Bf) polymorphism in tribal populations of Himachal Pradesh, India. Papiha SS, et al. **Hum Hered** 1982;32(3):197–201

Genetic polymorphism of glycine-rich beta-glycoprotein in the Italian population. Scherz R, et al. **Hum Hered** 1982; 32(1):11–4

Properdin factor B polymorphism in Portugal. Weissmann J, et al. **Hum Hered** 1981;31(6):370–2

Murine complement factor B (BF): sexual dimorphism and H-2-linked polymorphism. Roos MH, et al. **Immunogenetics** 1982 Jan;15(1):23–30

Cloning in Escherichia coli of the structural gene of prorennin, the precursor of calf milk-clotting enzyme renin. Nishimori K, et al. **J Biochem (Tokyo)** 1981 Sep;90(3):901–4

Nucleotide sequence of calf prorennin cDNA cloned in Escherichia coli. Nishimori K, et al. **J Biochem (Tokyo)** 1982 Mar;91(3):1085–8

Detection of alpha-amylase activity in unprocessed preamylase produced in the cell-free translation of porcine pancreatic RNA. Brown TL, et al. **J Biol Chem** 1981 Nov 10;256(21):10743–6

Identification of the signal peptidase cleavage site in Bacillus licheniformis prepenicillinase. Chang CN, et al. **J Biol Chem** 1982 Apr 25;257(8):4340–4

In vitro synthesis and processing of a precursor to ornithine aminotransferase. Mueckler MM, et al. **J Biol Chem** 1982 Jun 25;257(12):7178–80

Synthesis and processing of in vitro and in vivo precursors of the vacuolar yeast enzyme carboxypeptidase Y. Müller M, et al. **J Biol Chem** 1981 Dec 10;256(23):11962–5

A precursor form of latent collagenase produced in a cell-free system with mRNA from rabbit synovial cells. Nagase H, et al. **J Biol Chem** 1981 Dec 10;256(23):11951–4

Peptide mapping of peroxisomal catalase and its precursor. Comparison to the primary wheat germ translation product. Robbi M, et al. **J Biol Chem** 1982 Jan 25;257(2):964–70

Properdin factor B polymorphism in Black Americans. Budowle B, et al. **J Immunogenet** 1981 Dec;8(6):519–21

Macular degeneration associated with chronic pesticide exposure [letter] Bertrams J. **Lancet** 1982 Jan 30;1(8266):288

Optic neuritis and multiple sclerosis: do factor B alleles influence progression of disease? Fielder AH, et al. **Lancet** 1981 Dec 5;2(8258):1246–8

Negative regulation of beta and beta' synthesis by RNA polymerase. Lang-Yang H, et al. **MGG** 1981;183(3):514–7

A mutation in the RNA polymerase beta' subunit causing depressed ribosomal RNA synthesis in Escherichia coli. Oostra BA, et al. **MGG** 1981;183(1):54–8

Comparison of the nucleotide sequence of cloned human and guinea-pig pre-alpha-lactalbumin cDNA with that of chick pre-lysozyme cDNA suggests evolution from a common ancestral gene. Hall L, et al. **Nucleic Acids Res** 1982 Jun 11;10(11):3503–15

Molecular cloning and nucleotide sequence of cDNA coding for calf preprochymosin. Harris TJ, et al. **Nucleic Acids Res** 1982 Apr 10;10(7):2177–87

Abundant androgen regulated mRNAs in mouse submandibular gland: cell-free translation of renin precursor mRNA. Pratt RE, et al. **Nucleic Acids Res** 1981 Jul 24;9(14):3433–49

Rat preprocarboxypeptidase A: cDNA sequence and preliminary characterization of the gene. Quinto C, et al. **Proc Natl Acad Sci USA** 1982 Jan;79(1):31–5

HLA antigens associated with properdin factor B allotype BfF1. Dyer PA, et al. **Tissue Antigens** 1981;17(4):362–7

Haplotype study. linkage between HLA--A, B, C and Bf alleles: results obtained by different statistical methods. Grange D, et al. **Tissue Antigens** 1981 Sep;18(3):166–77

Bf and C2 polymorphism in Japanese patients with juvenile onset diabetes mellitus: existence of a variant Bf allele. Tokunaga K, et al. **Tissue Antigens** 1981 Nov;18(5):365–8

Matching for properdin factor B (Bf) in renal transplantation. Dyer PA, et al. **Transplantation** 1981 Nov;32(5):424–5

[High association between properdin factors BfF1 and HLA-B 18 in a Portuguese family (author's transl)] Weissmann J, et al. **Z Rechtsmed** 1982;88(1-2):121–5 (Eng. Abstr.) **(Ger)**

IMMUNOLOGY

Purification of prorennin and production of its antibody. Uchiyama H, et al. **J Biochem (Tokyo)** 1981 Aug; 90(2):483–7

Complement components C3, C4, and Bf in six nonhuman primate species. McMahan MR. **Lab Anim Sci** 1982 Feb; 32(1):57–9

Allotypic variants of human C3 and properdin factor B in two French populations Normans and Basques. Davrinche C, et al. **Rev Fr Transfus Immunohematol** 1981 Jun; 24(3):309–17

[HLA-bound Bf factor in diabetic children] Simon Z, et al. **Orv Hetil** 1981 Jul 26;122(30):1835–7 **(Hun)**

ISOLATION & PURIFICATION

Human prostatic gastricsinogen: the precursor of seminal fluid acid proteinase. Chiang L, et al. **Arch Biochem Biophys** 1981 Aug;210(1):14–20

Isolation and properties of prophospholipase A2 from human pancreatic juice. Grataroli R, et al. **Biochimie** 1981 Aug-Sep;63(8-9):677–84

Rat liver ribonucleotide reductase: separation, purification, and properties of two nonidentical subunits. Youdale T, et al. **Can J Biochem** 1982 Apr;60(4):463–70

Characterization of the CNBr peptides generated from the factor B cleavage fragments, Ba and Bb, by molecular exclusion high performance liquid chromatography. Niemann MA, et al. **Immunol Commun** 1982;11(1):47–58

The detection and characterization of a membrane protein with Factor B-like activity on human lymphoid cells. Woo P, et al. **Immunology** 1981 Nov;44(3):629–39

A proenzyme form of human urokinase. Wun TC, et al. **J Biol Chem** 1982 Jun 25;257(12):7262–8

Human factor B. Kerr MA. **Methods Enzymol** 1981;80 Pt C:102–12 (40 ref.)

[Use of affinity chromatography for isolating prethrombin 1] Strukova SM, et al. **Vopr Med Khim** 1981 Nov-Dec; 27(6):840–4 (Eng. Abstr.) **(Rus)**

METABOLISM

The existence of a precursor of cathepsin D: evidence from autolysis, denaturation and activation studies. Turk V, et al. **Acta Biol Med Ger** 1981;40(10–11):1439–50

Gossypol: an effective acrosin blocker. Tso WW, et al. **Arch Androl** 1982 Mar;8(2):143–7

Processing of pre-ornithine transcarbamylase requires a zinc-dependent protease localized to the mitochondrial matrix. Conboy JG, et al. **Biochem Biophys Res Commun** 1982 Mar 15;105(1):1–7

Import of a putative precursor of rat liver mitochondrial glutamic oxaloacetic transaminase into mitochondria. Sakakibara R, et al. **Biochem Biophys Res Commun** 1981 Sep 16;102(1):235–42

The binding of human complement proteins C5, factor B, beta 1H and properdin to complement fragment C3b on zymosan. DiScipio RG. **Biochem J** 1981 Dec 1;199(3):485–6

Comparison between the monomeric and binary-complex forms of procarboxypeptidase A from whole pig pancreas. Martínez MC, et al. **Biochem J** 1981 Jul 1;197(1):141–7

Association of proacrosin with phospholipid membranes. Straus JW, et al. **Biochem J** 1982 Mar 1;201(3):657–60

Presence of an intermediate synthase form during the conversion of glycogen synthase D into synthase I in rat liver extract. Tan AW. **Biochem J** 1981 Oct 15; 200(1):169–72

Cathepsin T (convertase) generates the multiple forms of tyrosine aminotransferase by limited proteolysis. Hargrove JL, et al. **Biochemistry** 1982 Jan 19;21(2):283–9

Conformational changes of the subunits C1q, C1r and C1s of human complement component C1 demonstrated by 125I labeling. Bauer J, et al. **Biochim Biophys Acta** 1981 Aug 28;670(1):129–33

Acrosin, proacrosin, and acrosin inhibitor of guinea pig spermatozoa capacitated and acrosome-reacted in vitro. Goodpasture JC, et al. **Biol Reprod** 1981 Aug;25(1):44–55

Enzymatic activities of activated and zymogen forms of human Hageman factor (factor XII). Silverberg M, et al. **Blood** 1982 Jul;60(1):64–70

Biosynthesis of preprorenin and intracellular conversion of prorenin to renin. Morris BJ, et al. **Clin Exp Pharmacol Physiol** 1981 Sep-Oct;8(5):441–5

Association of alternative complement pathway components with human blood platelets: secretion and localization of factor D and beta 1H Globulin. Kenney DM, et al. **Clin Immunol Immunopathol** 1981 Dec;21(3):351–63

Activation of renin in an anaplastic pulmonary adenocarcinoma. Soubrier F, et al. **Clin Sci [Suppl]** 1981 Dec;61(7):299s–301s

The unmasking of proteolytic activity during the early development of Artemia salina. Identification of a precursor after hatching. Garesse R, et al. **Eur J Biochem** 1980 May;106(1):225–31

Studies on prophospholipase A2 and its enzyme from human pancreatic juice. Catalytic properties and sequence of the N-terminal region. Grataroli R, et al. **Eur J Biochem** 1982 Feb;122(1):111–7

A mitochondrial protease that cleaves the precursor of ornithine carbamoyltransferase. Purification and properties. Miura S, et al. **Eur J Biochem** 1982 Mar 1;122(3):641–7

Transport of the precursor for rat-liver ornithine carbamoyltransferase into mitochondria in vitro. Morita T, et al. **Eur J Biochem** 1982 Mar 1;122(3):501–9

Biosynthesis of intestinal microvillar proteins. Nature of precursor forms of microvillar enzymes from Ca2+-precipitated enterocyte membranes. Danielsen EM, et al. **FEBS Lett** 1981 Sep 28;132(2):197–200

Proteolysis of factor B by plasma kallikrein and plasmin. Ikari N, et al. **FEBS Lett** 1981 Aug 17;131(1):143–6

Cathepsinogen D: characterization and activation to cathepsin D and inhibitory peptides. Puizdar V, et al. **FEBS Lett** 1981 Sep 28;132(2):299–304

Phospholipase and prophospholipase activities in bronchoalveolar lavage fluid in severe acute pulmonary disease with or without ARDS. Offenstadt G, et al. **Intensive Care Med** 1981;7(6):285–90

Presence of an inactive protein immunologically analogous to cytochrome c oxidase in the inner membrane of sweet potato root mitochondria. Maeshima M, et al. **J Biochem (Tokyo)** 1981 Aug;90(2):399–406

Activation of kidney prorenin by kidney cathepsin B isozymes. Takahashi S, et al. **J Biochem (Tokyo)** 1982 Jan; 91(1):419–22

Energy-dependent translocation of the precursor of ornithine transcarbamylase by isolated rat liver mitochondria. Kolansky DM, et al. **J Biol Chem** 1982 Jul 25; 257(14):8467–71

Pre-ornithine transcarbamylase. Properties of the cytoplasmic precursor of a mitochondrial matrix enzyme. Kraus JP, et al. **J Biol Chem** 1981 Nov 10;256(21):10739–42

A neutral metallo endoprotease involved in the processing of an F1-ATPase subunit precursor in mitochondria. McAda PC, et al. **J Biol Chem** 1982 Mar 25;257(6):3177–82

Mapping the substrate binding site of human C1r and C1s with peptide thioesters. Development of new sensitive substrates. McRae BJ, et al. **J Biol Chem** 1981 Dec 10; 256(23):12362–6

Transport of carbamyl phosphate synthetase I and ornithine transcarbamylase into mitochondria. Inhibition by rhodamine 123 and accumulation of enzyme precursors in isolated hepatocytes. Morita T, et al. **J Biol Chem** 1982 Sep 25;257(18):10547–50

Histidine decarboxylase of Lactobacillus 30a. Comparative properties of wild type and mutant proenzymes and their derived enzymes. Recsei PA, et al. **J Biol Chem** 1982 Jun 25;257(12):7196–202

Plasma kallikrein-mediated activation of the renin-angiotensin system does not require prior acidification of prorenin. Derkx FH, et al. **J Clin Endocrinol Metab** 1982 Feb;54(2):343–8

Regulation of cathepsin D metabolism in rabbit heart: evidence for a role for precursor processing in the control of enzyme activity. Samarel AM, et al. **J Clin Invest** 1982 Apr;69(4):999–1007

Activation of factor X and thrombin zymogens in 25% sodium citrate solution. Teng CM, et al. **Thromb Res** 1981 Apr 1–15;22(1–2):203–12

[Activation by heparin-Sepharose of prothrombin conversion to prethrombin 1] Strukova SM, et al. **Biokhimiia** 1981 May;46(5):904–10 (Eng. Abstr.) **(Rus)**

PHARMACODYNAMICS

Human monocyte spreading induced by factor Bb of the alternative pathway of complement activation. A possible role for C5 in monocyte spreading. Sundsmo JS, et al. **J Exp Med** 1981 Sep 1;154(3):763–77

[Activation of the anticlotting system by perfusion of the carotid sinus with prethrombin 1 in rabbits] Strukova SM, et al. **Fiziol Zh SSSR** 1981 Dec;67(12):1823–7 (Eng. Abstr.) **(Rus)**

ENZYME REACTIVATORS

Reactivation of acetylcholinesterase inhibited by methamidophos and analogous (di)methylphosphoramidates. de Jong LP, et al. **Arch Toxicol** 1982 Jan;49(2):175–83

Copper inhibition of glutathione reductase and its reversal with gold thiolates, thiol, and disulfide compounds. Rafter GW. **Biochem Med** 1982 Jun;27(3):381–91

Reactivation of yeast glucose-6-phosphate dehydrogenase denaturated by saturated fatty acids. Tortora P, et al. **Experientia** 1982 Apr 15;38(4):427–9

Reactivation of APO liver alcohol dehydrogenase with lead, mercury and cadmium. Skjeldal L, et al. **FEBS Lett** 1982 Jan 25;137(2):257–60

CHEMICAL SYNTHESIS

Nonquaternary cholinesterase reactivators. Dialkylaminoalkyl thioesters of alpha-ketothiohydroximic acids as reactivators of diisopropyl phosphorofluoridate inhibited acetylcholinesterase. Kenley RA, et al. **J Med Chem** 1981 Oct;24(10):1124–33

ENZYME REPRESSION

Properties of Streptococcus mutans Ingbritt growing on limiting sucrose in a chemostat: repression of the phosphoenolpyruvate phosphotransferase transport system. Ellwood DC, et al. **Infect Immun** 1982 May;36(2):576–81

New genes involved in carbon catabolite repression and derepression in the yeast Saccharomyces cerevisiae. Entian KD, et al. **J Bacteriol** 1982 Sep;151(3):1123–8

Cyclic AMP may not be involved in catabolite repression in Saccharomyes cerevisiae: evidence from mutants capable of utilizing it as an adenine source. Matsumoto K, et al. **J Bacteriol** 1982 Apr;150(1):277–85

Repression of endo-1,4-beta-glucanase formation in Penicillium janthinellum and product inhibition of its 1,4-beta-glucanases and cellobiases. Rapp P, et al. **J Bacteriol** 1982 Feb;149(2):783–6

Repression of cytosine deaminase by pyrimidines in Salmonella typhimurium. West TP, et al. **J Bacteriol** 1982 Mar;149(3):1171–4

Repression of the alkaline phosphatase of Vibrio cholerae. Roy NK, et al. **J Gen Microbiol** 1982 Feb;128(Pt 2):349–53

A positive regulatory gene is required for accumulation of the functional messenger RNA for the glucose-repressible alcohol dehydrogenase from Saccharomyces cerevisiae. Denis CL, et al. **J Mol Biol** 1981 Jun 5;148(4):355–68

Reconsideration of the theory of oscillatory repression. Painter PR, et al. **J Theor Biol** 1981 May 21;90(2):293–8

Repression of adenylate cyclase in the genus Bordetella. Hall GW, et al. **Microbios** 1982;33(131):45–52

Regulation of catalase biosynthesis in Saccharomyces cerevisiae: factor repressing catalase biosynthesis. Martinez J, et al. **Microbios** 1981;31(125–126):135–40

Synthesis of repressible acid phosphatase in Saccharomyces cerevisiae under conditions of enzyme instability. Bostian KA, et al. **Mol Cell Biol** 1982 Jan;2(1):1–10

DRUG EFFECTS

Catabolite repression of different inducible enzymes in Escherichia coli and the effect of cAMP. Jirešová M, et al. **Folia Microbiol (Praha)** 1981;26(4):265–9

Influence of low oxygen concentration on derepression of nitrogenase in Klebsiella pneumoniae. Bergersen FJ, et al. **J Gen Microbiol** 1982 May;128 (Pt 5):909–15

[Clinical significance of the induction and repression of the enzymes of drug metabolism] Bushma MI, et al. **Klin Med (Mosk)** 1982 May;60(5):16–21 **(Rus)**

ENZYME TESTS

Partial myeloperoxidase deficiency. Cech P, et al. **Acta Haematol (Basel)** 1982;67(3):180–4

Tetrahydrofolate dehydrogenase cytochemistry and classification of acute leukaemia. Nano R, et al. **Acta Haematol (Basel)** 1982;67(3):160–5

Enzyme studies and neonatal brain damage. Dalens B, et al. **Acta Paediatr Scand** 1981 Sep;70(5):743–9

Prostatic acid phosphatase: a look and world of caution. Ablin RJ. **Allergol Immunopathol (Madr)** 1981 Jul-Aug; 9(4):357–8

Factors presaging early recurrent myocardial infarction ('extension'). Marmor A, et al. **Am J Cardiol** 1981 Oct; 48(4):603–10

Immunochemical CK–MB assay for myocardial infarction. Ali M, et al. **Am J Clin Pathol** 1982 May;77(5):573–9

Creatine kinase in a biochemical test panel: the high cost of a seemingly inexpensive test. Klatt EC, et al. **Am J Clin Pathol** 1982 Mar;77(3):280–4

gamma–Glutamyl transpeptidase and infantile biliary obstruction [letter] Vazquez C, et al. **Am J Dis Child** 1982 Aug;136(8):755

The serum glutamic oxaloacetic transaminase/serum glutamic pyruvic transaminase ratio as a prognostic index in severe acute viral hepatitis. Gitlin N. **Am J Gastroenterol** 1982 Jan;77(1):2–4

Aryl sulfatase A in acute nonlymphocytic leukemia. Pillai MV, et al. **Am J Hematol** 1982 May;12(3):305–7

Heterozygote detection in Fabry disease utilizing multiple enzyme activities. Sheth KJ, et al. **Am J Med Genet** 1981; 10(2):141–6

Particulate acetylcholinesterase in amniotic fluid and its implications for neural tube defect screening. Webb B, et al. **Ann Clin Biochem** 1981 Sep;18(Pt 5):299–303

The role of prostatic acid phosphatase in the investigation and treatment of adenocarcinoma of the prostate. Bruce AW, et al. **Ann NY Acad Sci** 1982;390:110–21

The appropriate uses of prostatic acid phosphatase determination in the diagnosis of adenocarcinoma of the prostate. Griffiths J. **Ann NY Acad Sci** 1982;390:100–3

Immunological and clinical specificity of the immunochemical determination of prostatic acid phosphatase. Shaw LM, et al. **Ann NY Acad Sci** 1982; 390:73–88

Detection of myocardial injury after coronary artery bypass grafting using a hypothermic, cardioplegic technique. McDaniel HG, et al. **Ann Thorac Surg** 1982 Feb; 33(2):139–44

Diagnostic problem in acute myocardial infarction: CK–MB in the absence of abnormally elevated total creatine kinase levels. Dillon MC, et al. **Arch Intern Med** 1982 Jan; 142(1):33–8

Laboratory diagnosis of acute myocardial infarct: usefulness of determination of lactate dehydrogenase (LDH)–1 level and of ratio of LDH–1 to total LDH. Weidner N. **Arch Pathol Lab Med** 1982 Aug;106(8):375–7

Aged amylase: a valuable test for detecting and tracking pancreatic pseudocysts. Weaver DW, et al. **Arch Surg** 1982 May;117(5):707–11

Accuracy of hospital diagnosis of myocardial infarction. Craig IH. **Aust NZ J Med** 1982 Feb;12(1):14–8

Serum deoxycytidylate deaminase as an index of high–risk pregnancy. Williams GF, et al. **Br J Obstet Gynaecol** 1982 Apr;89(4):309–13

Clinical value of serum immunoreactive trypsin concentration. Ruddell WS, et al. **Br Med J [Clin Res]** 1981 Nov 28;283(6304):1429–32

Diagnosis of meningeal involvement in patients with acute lymphoblastic leukemia: immunofluorescence for terminal transferase. Bradstock KF, et al. **Cancer** 1981 May 15; 47(10):2478–81

Evaluation of 5'–nucleotide phosphodiesterase isozyme–V as a predictor for liver metastasis in breast cancer patients. Tsou KC, et al. **Cancer** 1982 Jul 15;50(2):191–6

Poly(ADP–ribose) synthesis in human cervical cancer cell–diagnostic cytological usefulness. Fukushima M, et al. **Cancer Lett** 1981 Dec;14(3):227–36

An immunoperoxidase technique to aid in the differential diagnosis of prostatic carcinoma. Fishleder A, et al. **Cleve Clin Q** 1981 Fall;48(3):331–5

beta–Glucosidase assays in the diagnosis of Gaucher's disease. Daniels LB, et al. **Clin Chem** 1982 Apr;28(4 Pt 1):569–77

Creatine kinase and creatine kinase B–subunit activity in serum in cases of suspected myocardial infarction. Gerhardt W, et al. **Clin Chem** 1982 Feb;28(2):277–83

Comparison of enzyme–linked immunosorbent assay and radioimmunoassay for prostate–specific acid phosphatase in prostatic disease. Griffiths J, et al. **Clin Chem** 1982 Jan; 28(1):183–6

The test–assessment chart [letter] Keller H, et al. **Clin Chem** 1982 Jul;28(7):1712–3

Diagnostic performance of enzymes in the discrimination of myocardial infarction. Werner M, et al. **Clin Chem** 1982 Jun;28(6):1297–302

Acetylcholinesterase and butyrylcholinesterase measurement in the pre–natal detection of neural tube defects and other fetal malformations. Bonham JR, et al. **Clin Chim Acta** 1981 Sep 10;115(2):163–70

Sulphamidase activity in leucocytes, cultured skin fibroblasts and amniotic cells: diagnosis of the Sanfilippo A syndrome with the use of radiolabelled disaccharide substrate. Hopwood JJ, et al. **Clin Sci** 1981 Dec;61(6):729–35

Biologic markers in cancer diagnosis and treatment. Holyoke ED, et al. **Curr Probl Cancer** 1981 Aug;6(2):1–68 (245 ref.)

A mixed–triglyceride breath test for intraluminal fat digestive activity. Ghoos YF, et al. **Digestion** 1981;22(5):239–47

Non–specificity of elevated serum ribonuclease as a pancreatic tumour marker. Isaacs P. **Digestion** 1981; 22(2):101–7

Detection of acute myocardial infarction by a new, sensitive and rapid method for determination of creatine kinase B–subunit activity. Lindberg K, et al. **Eur Heart J** 1980 Oct;1(5):327–33

Significance of serum angiotensin converting enzyme and gallium scan in noninvasive diagnosis of sarcoidosis. Rohatgi PK. **Eur J Respir Dis** 1981 Aug;62(4):223–30

Liver carboxylesterase in the serum of viral hepatitis patients. Atanasov N, et al. **Folia Med (Plovdiv)** 1981;23(3–4):61–3

Clinical evaluation of measurement of serum guanase activity as a screening test of liver damage. Ito S, et al. **Gastroenterol Jpn** 1981;16(5):478–92

In vitro diagnosis of coeliac disease: an assessment. Howdle PD, et al. **Gut** 1981 Nov;22(11):939–47

'Plasma'–type ribonuclease in pancreatic cancer diagnosis: a critical appraisal. Fabris C, et al. **Hepatogastroenterology** 1981 Dec;28(6):316–8

The ACE test for sarcoidosis: when to use, how to interpret. Mayewski R. **Hosp Pract** 1981 Oct;16(10):76A–76B, 76D–76H, 76L–76M passim

Clinical significance of hepatic isoenzyme of lactate dehydrogenase LDH in the differential diagnosis of malignant lymphoma. Damle SR, et al. **Indian J Cancer** 1981 Sep;18(3):185–7

Reliability of three screening tests in detection of glucose–6–phosphate dehydrogenase deficiency in adults and neonates. Sood SK, et al. **Indian J Pathol Microbiol** 1981 Apr;24(2):89–99

Maternal serum alkaline phosphatase and fetal maturity. Malik GK, et al. **Indian J Pediatr** 1981 Mar–Apr; 48(391):153–7

Ultramicro assays of enzymes for rapid and inexpensive diagnosis of inherited disorders of metabolism. Sweetman L. **Indian J Pediatr** 1981 Mar–Apr;48(391):133–5

The influence of G–6–PD activity on the response of erythrocyte glutathione reductase to riboflavin deficiency. Prentice AM, et al. **Int J Vitam Nutr Res** 1981;51(3):211–5

Lactate dehydrogenase isoenzyme 1 in the diagnosis of myocardial infarction. Fogh–Andersen N, et al. **J Clin Chem Clin Biochem** 1982 May;20(5):291–4

Assay of serum immunoreactive trypsin in dried blood spots and the early detection of cystic fibrosis. Ryley HC, et al. **J Clin Pathol** 1981 Aug;34(8):906–10

Sensitivity of serum glutamic oxaloacetic transaminase and bile acid levels for the detection of experimental liver injury in rats. Mihas AA, et al. **J Med** 1981;12(4):237–42

Serum and red cell cholinesterase activities in pregnancy. Areekul S, et al. **J Med Assoc Thai** 1981 Nov;64(11):584–8

Two radioimmunoassays compared with isoenzyme electrophoresis for the detection of serum creatine kinase–MB in acute myocardial infarction. Witherspoon LR, et al. **J Nucl Med** 1982 Feb;23(2):136–42

Elevated creatine kinase MB isoenzyme levels in marathon runners. Normal myocardial scintigrams suggest noncardiac source. Siegel AJ, et al. **JAMA** 1981 Nov 6; 246(18):2049–51

Detection of metastatic liver disease. Use of liver scans and biochemical liver tests. Tempero MA, et al. **JAMA** 1982 Sep 17;248(11):1329–32

Amniotic fluid arginine esterases as markers for cystic fibrosis [letter] **Lancet** 1982 Mar 13;1(8272):619–20

Comparison of questionnaire and laboratory tests in the detection of excessive drinking and alcoholism. Bernadt MW, et al. **Lancet** 1982 Feb 6;1(8267):325–8

Serum neuron–specific enolase: a marker for disease extent and response to therapy of small–cell lung cancer. Carney DN, et al. **Lancet** 1982 Mar 13;1(8272):583–5

Creatine kinase isoenzyme activities in marathon runners [letter] Kaste M, et al. **Lancet** 1982 Aug 7;2(8293):327–8

Plasma alkaline phosphatase activity: a screening test for rickets in preterm neonates. Kovar I, et al. **Lancet** 1982 Feb 6;1(8267):308–10

Plasma and erythrocyte acetylcholinesterase in senile dementia of Alzheimer type [letter] Perry RH, et al. **Lancet** 1982 Jan 16;1(8264):174–5

Brain type and cerebral ischemia after subarachnoid hemorrhage [letter] Phillips J, et al. **Lancet** 1982 Sep 18; 2(8299):662–3

Serum neuron–specific enolase in 'non–functioning' islet–cell carcinoma [letter] Prinz RA, et al. **Lancet** 1982 Feb 6; 1(8267):340

Gastric juice enzymes and stomach cancer [letter] Rogers K, et al. **Lancet** 1981 Oct 31;2(8253):984

Clinical significance of additional alpha–amylase fractions in pancreatic diseases. Kojecký Z, et al. **Mater Med Pol** 1981 Jan–Mar;13(1):18–22

Value of gamma–glutamyltransferase in the diagnosis of liver metastases. Mircea P, et al. **Med Interne** 1981 Oct–Dec; 19(4):339–45 (29 ref.)

Enzymatic diagnosis of the mucopolysaccharidoses: experience of 96 cases diagnosed in a five–year period. Hopwood JJ, et al. **Med J Aust** 1982 Mar 20;1(6):257–60

Value of serum gamma–glutamyltransferase activity in the diagnosis of hepatobiliary disease. Ruppin DC, et al. **Med J Aust** 1982 May 15;1(10):421–4

The diagnostic value of sural nerve biopsy in metachromatic leucodystrophy and other conditions with low leucocyte arylsulphatase A activities. Vos AJ, et al. **Neuropediatrics** 1982 Feb;13(1):42–6

Prenatal diagnosis of open neural tube defects using the amniotic fluid acetylcholinesterase assay. Milunsky A, et al. **Obstet Gynecol** 1982 Jan;59(1):1–5

Histochemical diagnosis of Hirschsprung disease. Huntley CC, et al. **Pediatrics** 1982 Jun;69(6):755–61

Diagnosis of dihydropteridine reductase deficiency by erythrocyte enzyme assay. Narisawa K, et al. **Pediatrics** 1981 Oct;68(4):591–2

The role of cardiac enzymes in the diagnosis of myocardial infarction. Walter PF. **Primary Care** 1981 Sep;8(3):371–7 (13 ref.)

A clinical assay for prostatic acid phosphatase using choline phosphate as a substrate: comparison with thymolphthalein phosphate. Saini MS, et al. **Prostate** 1981;2(4):359–68

Progress in neurology. Electrocardiographic and cardiac enzyme abnormalities in acute cerebrovascular disorders. Kiley K, et al. **RI Med J** 1982 Feb;65(2):63–4

Serum angiotensin–converting enzyme estimation and the Kveim–Siltzbach test in sarcoidosis. Hariparsad D, et al. **S Afr Med J** 1982 Apr 24;61(17):620–1

Electrophoretic separation of alkaline phosphatase isoenzymes compared with alkaline phosphatase and gamma–glutamyltransferase in hepatobiliary diseases. Sørensen S, et al. **Scand J Gastroenterol** 1981;16(7):885–9

Diagnostic significance of serum CK–MB elevations following surgical damage to skeletal muscles. Bendz R, et al. **Scand J Thorac Cardiovasc Surg** 1981;15(2):199–204

Preoperative bilirubin, alkaline phosphatase and amylase levels as predictors of common duct stones. Saltzstein EC, et al. **Surg Gynecol Obstet** 1982 Mar;154(3):381–4

Serum lactate dehydrogenase isoenzymes in patients with hepatocellular carcinoma. Lee SC, et al. **Taiwan I Hsueh Hui Tsa Chih** 1982 Feb;81(2):218–23

Serum enzyme tests in hepatosplenic schistosomiasis. Mansour MM, et al. **Trans R Soc Trop Med Hyg** 1982; 76(1):109–11

The use of con A Sepharose as an affinity adsorbent in a simple assay of serum sialyl and fucosyltransferase and its application in tumour diagnosis. Cervén E, et al. **Ups J Med Sci** 1981;86(3):237–47

[The reasonable selection of myocardial enzyme indices in acute myocardial infarction (author's transl)] You K. **Chung Hua Nei Ko Tsa Chih** 1982 Mar;21(3):148–52 **(Chi)**

[Gamma–glutamyltransferase and its isoenzymes in the differential diagnosis of liver diseases] Dastych M, et al. **Cesk Gastroenterol Vyz** 1981 Jul;35(5):199–204 (Eng. Abstr.) **(Cze)**

[Acute pancreatitis and diseases of the biliary pathways (author's transl)] Jabor A, et al. **Cesk Gastroenterol Vyz** 1982 Jan;36(1):14–20 (Eng. Abstr.) **(Cze)**

[Importance of histochemical detection of enzymes in diagnosis] Lojda Z. **Vnitr Lek** 1981 Jul;27(7):646–54 (Eng. Abstr.) **(Cze)**

[Terminal deoxynucleotidyl transferase – its significance and use in clinical practice [editorial] Mačák J. **Vnitr Lek** 1982 Jul;28(7):715–7 **(Cze)**

[Diagnostic significance of alkaline phosphatase in the diagnosis of metastatic liver neoplasms] Pejchl S, et al. **Vnitr Lek** 1982 Jul;28(7):671–7 (Eng. Abstr.) **(Cze)**

[Enzymatic profile of hepatic and biliary diseases (author's transl)] Bertrand L. **Nouv Presse Med** 1981 Oct 3; 10(35):2897–900 (13 ref.) (Eng. Abstr.) **(Fre)**

[Cytochemical studies of bone marrow plasma cells in monoclonal gammapathies (author's transl)] Miliani A, et al. **Nouv Rev Fr Hematol** 1982;24(1):27–33 (Eng. Abstr.) **(Fre)**

[Diagnostic value of enzyme histochemistry for practical pathological anatomical tumor diagnosis] Rath FW. **Gegenbaurs Morphol Jahrb** 1981;127(5):672–6 **(Ger)**

[Impairment of the renal tubular system in pathological glucose tolerance (author's transl)] Jungmann E, et al. **MMW** 1982 Mar 12;124(10):231–3 (Eng. Abstr.) **(Ger)**

[Urinary enzymes. Characterization and diagnostic use] Mondorf AW. **MMW** 1982 Mar 12;124(10):230 **(Ger)**

[Enzyme tests in liver metastasis] Pfeiffer R, et al. **MMW** 1982 Apr 2;124(13):309–11 **(Ger)**

[The diagnostic value of T– and B–rosette formation and the unspecific acid esterase in the differential diagnosis of acute and chronic leukemia] Gudat F, et al. **Schweiz Med Wochenschr** 1981 Sep 5;111(36):1325–30 (Eng. Abstr.) **(Ger)**

[Creatine kinase (CK) activity and its isoenzyme MB in the serum of randomly selected patients without acute coronary disease] Mall T, et al. **Schweiz Med Wochenschr** 1982 Jul 17;112(29):1039–45 (Eng. Abstr.) **(Ger)**

[Evaluation of 2 methods of determining prostatic acid phosphatase] Venturini M, et al. **Arch E Maragliano Patol Clin** 1980;36:35–41 **(Ita)**

[Serum 2'deoxyadenosine/adenosine deaminase ratio in clinical diagnosis] Gakis C, et al. **Boll Soc Ital Biol Sper** 1981 Sep 30;57(18):1848–51 (Eng. Abstr.) **(Ita)**

[Glycolytic enzymes in post–infarct cardiac decompensation] Bugiardini R, et al. **Boll Soc Ital Cardiol** 1980;25(12):1373–9 (Eng. Abstr.) **(Ita)**

[New diagnostic directions in liver disease. The value of studying 'parallel enzyme constellations'] Terzani G, et al. **Clin Ter** 1981 Apr 15;97(1):17–26 (Eng. Abstr.) **(Ita)**

[Significance of serum lactic–dehydrogenase in the diagnosis of hemolymphopathies] Baroni MC, et al. **G Clin Med** 1982 Feb;63(2):118–24 (Eng. Abstr.) **(Ita)**

[Markers of necrosis and anoxia in the post–infarct heart failure: determination of infarct size (author's transl)] Bugiardini R, et al. **G Ital Cardiol** 1981;11(5):608–13 (Eng. Abstr.) **(Ita)**

[Enzyme in myocardial infarct. Problems and perspectives [editorial] Angelino PF, et al. **Minerva Cardioangiol** 1981

Dec;29(12):679–80 (Ita)

[Enzyme markers in the calculation of the extent of infarction. Criteria of prognostic evaluation] Mayer MC, et al. **Minerva Cardioangiol** 1981 Sep;29(9):441–9 (Ita)

[Usefulness of plasma cell acid phosphatase in the differential diagnosis of monoclonal gammopathies] Santus G, et al. **Minerva Med** 1981 Sep 29;72(37):2479–83 (Eng. Abstr.) (Ita)

[Enzymatic diagnosis of classical Morquio syndrome (mucopolysaccharidosis IV A) (author's transl)] Coppa GV, et al. **Pediatr Med Chir** 1981 Sep–Oct;3(5):411–4 (Ita)

[Usefulness and limitations of determination of lactate dehydrogenase enzymes in the diagnosis of liver diseases] Demelia L, et al. **Quad Sclavo Diagn** 1981 Mar;17(1):40–8 (21 ref.) (Eng. Abstr.) (Ita)

[Change of serum enzymes after coronary revascularization. Effects of cardioplegic time, temperature, methods of myocardial protection and perioperative myocardial infarction (author's transl)] Ohse Y. **Nippon Kyobu Geka Gakkai Zasshi** 1982 Feb;30(2):225–39 (Eng. Abstr.) (Jpn)

[Serum ribonuclease activity in the diagnosis of malignant neoplasms (author's transl)] Akagi K, et al. **Nippon Naika Gakkai Zasshi** 1982 Jan 10;71(1):37–42 (Jpn)

[Evaluation of CPK isoenzyme in head injury (author's transl)] Takeda K, et al. **No Shinkei Geka** 1981 Oct; 9(11):1237–40 (Eng. Abstr.) (Jpn)

[Effect of various drugs in vivo and in vitro on the results of the most frequently performed enzymatic determinations in a clinical laboratory] Trząski M. **Folia Med Cracov** 1980; 22(3–4):463–73 (Eng. Abstr.) (Pol)

[Value of determining cardiac creatine kinase isoenzyme (CK–MB) activity in myocardial infarct] Palynyczko Z, et al. **Kardiol Pol** 1982;25(1):69–74 (54 ref.) (Pol)

[Urinary enzymes and their importance in the diagnosis of renal diseases] Lutz W, et al. **Pol Tyg Lek** 1982 May 3; 37(9–10):277–80 (Pol)

[Diagnostic value of the determination of enzyme activity of the cerebrospinal fluid] Lutz W, et al. **Pol Tyg Lek** 1981 Feb 9;36(6):231–4 (26 ref.) (Pol)

[Analysis of the usefulness of certain enzyme tests in evaluating the degree of radiation injury to the skin] Matiushichev VB, et al. **Biol Nauki** 1981;(9):40–4 (Rus)

[Determination of myelin marker enzymes in the blood serum in peripheral nervous system diseases] Savchenko IuN. **Biull Eksp Biol Med** 1982 Apr;93(4):34–5 (Eng. Abstr.) (Rus)

[Determination of enzyme activity and beta 2-microglobulin concentration in the urine in chronic diffuse glomerulonephritis and hypertension] Klimenko VS, et al. **Biull Vsesoiuznogo Kardiol Nauchn Tsentra AMN SSSR** 1982;5(1):43–5 (Eng. Abstr.) (Rus)

[Dynamic study of the activity of creatine phosphokinase and its isoenzymes in the blood serum in acute myocardial infarct] Filippov IK, et al. **Kardiologiia** 1982;22(7):85–9 (Eng. Abstr.) (Rus)

[Role of the serial determination of myoglobin, enzymes and isoenzymes in the early diagnosis of myocardial infarction] Staroverov II, et al. **Kardiologiia** 1982 May;22(5):96–102 (Eng. Abstr.) (Rus)

[Dynamics of a necrotic focus development based on data from determining the activity of the MB CPK fraction and from precardiac mapping] Vinogradov AV, et al. **Kardiologiia** 1981 Sep;21(9):14–7 (Eng. Abstr.) (Rus)

[In defense of the phenomenon of 'enzyme deviation' in acute pancreatitis] Lashchevker VM. **Klin Khir** 1981 Nov; (11):48–51 (31 ref.) (Rus)

[Clinicodiagnostic importance of determining leucine aminopeptidase and alkaline phosphatase in the blood serum of patients with liver and biliary tract pathology] Terletskaia LM. **Klin Khir** 1981 Sep;(9):8–10 (Eng. Abstr.) (Rus)

[Diagnostic importance of determining intraduodenal proteolytic activity in the exacerbation of chronic pancreatitis] Masevich TsG, et al. **Klin Med (Mosk)** 1982 Mar;60(3):59–62 (Rus)

[Importance of determining hyperfermentemia in acute viral hepatitis] Postovit VA, et al. **Klin Med (Mosk)** 1982 Apr; 60(4):65–8 (Rus)

[Significance of creatine phosphokinase and its MB isoenzyme in the diagnosis of stenocardia and myocardial infarct] Safronnikov LV, et al. **Klin Med (Mosk)** 1981 Jun; 59(6):44–8 (Eng. Abstr.) (Rus)

[Determination of intestinal enzymes in the diagnosis of chronic enterocolitis and intestinal enzymopathy] Valenkevich LN. **Klin Med (Mosk)** 1980 Jul;58(7):88–91 (Eng. Abstr.) (Rus)

[Diagnostic role of determination of blood 2', 3'-cyclic nucleotide-3-phosphohydrolase activity] Khokhlov AP, et al. **Lab Delo** 1982;(4):210–2 (Rus)

[Neutrophil alkaline phosphatase activity in Marchiafava-Micheli disease] Mazurok AA, et al. **Lab Delo** 1982;(6):19–20 (Rus)

[Enzymuria in healthy children] Moshkin AV, et al. **Lab Delo** 1982;(6):8–12 (Rus)

[Alkaline phosphatase isoenzymes in the urine] Tikhonov VP, et al. **Lab Delo** 1982;(2):92–6 (Eng. Abstr.) (Rus)

[Clinical-diagnostic value of determining the activity of various enzymes] Tsirkina AS. **Lab Delo** 1982;(6):53–6 (Rus)

[Activity of the main plasma enzymes of lipid metabolism in diabetic retinopathies] Gol'tseva SV, et al. **Oftalmol Zh** 1981;36(7):418–20 (Eng. Abstr.) (Rus)

[Blood serum lysosomal enzyme activity in multiple and combined injuries] Goriachev AN, et al. **Ortop Travmatol Protez** 1981 Jul;(7):6–8 (Eng. Abstr.) (Rus)

[Evaluation of proteolytic activity in the stomach and duodenum in gastroduodenal pathology in children] Novik AV, et al. **Pediatriia** 1981 Dec;(12):15–8 (Eng. Abstr.) (Rus)

[Indices of leukocyte enzyme activity and cardiointervalograms in evaluating the severity and course of acute respiratory virus infections in children] Soboleva EA, et al. **Pediatriia** 1982 Jan;(1):31–3 (Eng. Abstr.) (Rus)

[Lymphocyte and gastric mucosal succinate dehydrogenase activity in digestive organ diseases of noninfectious etiology in children] Studenikin MIa, et al. **Pediatriia** 1981 Dec; (12):12–5 (Eng. Abstr.) (Rus)

[Possibilities of using enzymatic criteria of a body lesion in an external beta radiation field] Matiushichev VB, et al. **Radiobiologiia** 1981 Nov–Dec;21(6):915–8 (Eng. Abstr.) (Rus)

[Bioindicator potentials of enzyme tests in external beta irradiation of the body] Matiushichev VB, et al. **Radiobiologiia** 1981 Nov–Dec;21(6):906–9 (Rus)

[Determination of the enzyme activity of leukocytes in the diagnosis of myocardial infarction] Ananchenko VG, et al. **Sov Med** 1982;(3):65–8 (57 ref.) (Rus)

[Blood serum indicator enzymes and isoenzymes in acute poisoning] Gembitskii EV, et al. **Sov Med** 1982;(2):25–9 (Eng. Abstr.) (Rus)

[Activity of certain enzymes in the bile in chronic cholecystocholangitis and chronic hepatitis in children] Savel'eva LA, et al. **Sov Med** 1982;(3):35–8 (Rus)

[Diagnostic importance of determining blood serum gamma-glutamyltranspeptidase] Semendiaeva ME, et al. **Sov Med** 1981;(10):53–7 (Eng. Abstr.) (Rus)

[Comparison of biochemical and electrocardiographic methods of determining the size of a myocardial infarct] Sysoeva NA, et al. **Sov Med** 1981;(11):6–10 (Eng. Abstr.) (Rus)

[Serial determinations of MB CPK activity in the evaluation of the severity of acute myocardial infarct] Vinogradov AV, et al. **Sov Med** 1981;(11):3–6 (Eng. Abstr.) (Rus)

[Phosphatase activity of the neutrophilic leukocytes in acute odontogenic inflammation of the jaws] Timofeev AA. **Stomatologiia (Mosk)** 1982 May–Jun;61(3):47–8 (Eng. Abstr.) (Rus)

[Diagnostic and pathogenetic role of isozyme and enzyme determination in the urine of patients with viral hepatitis] Drobinskii IR, et al. **Ter Arkh** 1981;53(10):94–7 (Eng. Abstr.) (Rus)

[Diagnostic value of determination of intragastric proteolysis in malignant stomach ulcer] Dzodzuashvili KA. **Ter Arkh** 1981;53(10):54–5 (Eng. Abstr.) (Rus)

[Diagnostic value of several methods of determination of pancreatic enzyme secretion in patients with chronic pancreatitis] Geller LI, et al. **Ter Arkh** 1981;53(10):105–8 (Eng. Abstr.) (Rus)

[Certain biochemical parameters of blood serum in patients with liver metastases of lymphogranulomatosis] Pashintseva LP, et al. **Ter Arkh** 1981;53(9):62–5 (Eng. Abstr.) (Rus)

[Comparative evaluation of the diagnostic importance of determining 5-nucleotidase and alkaline phosphatase in the blood serum in liver and biliary tract diseases] Terletskaia LM. **Vestn Khir** 1981 Oct;127(10):47–51 (Eng. Abstr.) (Rus)

[Blood serum lysozyme activity in wounds and severe multiple injury] Leshchenko IG. **Voen Med Zh** 1981 Sep; (9):61–2 (Rus)

[Kallikrein and prekallikrein content and antitryptic activity in the blood serum in serum hepatitis of varying degrees of severity] Iakubovskaia RI, et al. **Vopr Med Khim** 1981 Nov–Dec;27(6):804–11 (Eng. Abstr.) (Rus)

[Use of lysosome enzymes in genetic counseling] Krasnopol'skaia KD, et al. **Vopr Med Khim** 1982 May–Jun; 28(3):50–5 (Rus)

[Heterogeneity of inborn glycolipidoses and glycoproteinoses and their enzymologic diagnosis] Tsvetkova IV. **Vopr Med Khim** 1982 May–Jun;28(3):32–41 (45 ref.) (Rus)

[Lactate dehydrogenase isoenzyme content of the tissue of a cancerous tumor and polyps of the large intestine] Chernomordik AE. **Vopr Onkol** 1982;28(8):60–4 (Eng. Abstr.) (Rus)

[Changes in lactate dehydrogenase activity in cervical precancer and cancer] Nugmanov EU, et al. **Vopr Onkol** 1981;27(9):27–30 (Eng. Abstr.) (Rus)

[Thermostable placental-type alkaline phosphatase in the malignantly degenerated endometrium] Volodin MA, et al. **Vopr Onkol** 1982;28(6):29–35 (Eng. Abstr.) (Rus)

[Lysosomal enzyme activity in different clinical variants of rheumatoid arthritis] Matvelkov GP, et al. **Vopr Revm** 1981 Oct–Dec;(4):22–5 (Eng. Abstr.) (Rus)

[Changes in the salivary enzyme spectrum in acute and chronic pancreatitis] Dudar' LV, et al. **Vrach Delo** 1981 Dec;(12):32–4 (Eng. Abstr.) (Rus)

[So-called oxidase test, its mechanism and terminology] Kalina GP. **Zh Mikrobiol Epidemiol Immunobiol** 1982 Jun; (6):3–5 (12 ref.) (Rus)

[Dynamics of succinate dehydrogenase activity to premature infants with hypothalamic brain damage] Chikovani MI. **Zh Nevropatol Psikhiatr** 1981;81(10):1496–8 (Eng. Abstr.) (Rus)

[Serum and cerebrospinal fluid enzyme spectra in meningitis and their differential diagnostic value] Sirkis SI. **Zh Nevropatol Psikhiatr** 1982;82(2):193–7 (Eng. Abstr.) (Rus)

[Serum enzyme dynamics in progressive muscular dystrophies] Tsvetanova E, et al. **Zh Nevropatol Psikhiatr** 1981;81(11):1642–50 (Eng. Abstr.) (Rus)

[Serum lysosomal enzyme activity in craniocerebral injuries] Semchanko VV, et al. **Zh Vopr Neirokhir** 1982 Jan–Feb; (1):51–4 (Eng. Abstr.) (Rus)

[The diagnosis of Hirschsprung's disease through histochemical investigation of rectal mucosa obtained by suction biopsy (author's transl)] Hlavka V, et al. **Lijec Vjesn** 1981 Jan;103(1):10–2 (Eng. Abstr.) (Scr)

[Angiotensin converting enzyme (ACE) in the serum of some respiratory patients (author's transl)] Peroš T, et al. **Lijec Vjesn** 1980 Jul–Aug;102(7–8):371–4 (Eng. Abstr.) (Scr)

[The effect of drugs on clinical and biochemical measurements] Majkić-Singh N. **Vojnosanit Pregl** 1982 Mar–Apr;39(2):110–4 (Scr)

[The effect of the source of cholinesterase on the sensitivity of the enzyme method for detecting nerve toxins in chemical warfare] Toković B, et al. **Vojnosanit Pregl** 1981 Sep–Oct;38(5):326–9 (Scr)

[Cystine aminopeptidase (oxytocinase) in physiological and pathological pregnancy and its value in establishing prognosis of the fetus at risk (author's transl)] Simko J. **Bratisl Lek Listy** 1981 Dec;76(6):649–55 (Eng. Abstr.) (Slo)

[Diagnostic and prognostic value of assessment of cathepsin activity in blood and amniotic fluid in risk pregnancies (author's transl)] Simko J. **Cesk Gynekol** 1982 Mar; 47(2):120–5 (Eng. Abstr.) (Slo)

[Diagnostic usefulness of urinary enzymes] Cuxart A, et al. **Med Clin (Barc)** 1981 Sep 10;77(4):175–7 (Spa)

[Early diagnosis of renal ischemia in arterial hypertension by means of urine N-acetyl-beta-D-glucosaminidase (author's transl)] Garcia M, et al. **Med Clin (Barc)** 1981 Sep 25;77(5):200–4 (Eng. Abstr.) (Spa)

[Diagnostic value of lactate-dehydrogenase, gammaglutamyl-transpeptidase and leucine-aminopeptidase in the study of the nature of ascitis (author's transl)] Pérez-Jiménez F, et al. **Med Clin (Barc)** 1982 Jul 1–31;79(3):110–3 (Eng. Abstr.) (Spa)

[Enzyme profile of acute viral hepatitis in children] Gonzalez Vilchez J, et al. **Rev Clin Esp** 1981 Jul 15–31;162(1–2):25–7 (Eng. Abstr.) (Spa)

METHODS

Serum amylases and their inhibitors: 1. Clinical observations. Tuzhilin SA, et al. **Am J Gastroenterol** 1982 Jan;77(1):18–25

On the transportability of linear discriminant functions. Holland MR, et al. **Ann Clin Biochem** 1982 Jan;19(Pt 1):47–51

Acid phosphatase measurement in the clinical laboratory. Bowers GN Jr. **Ann NY Acad Sci** 1982;390:89–99

Clinical comparison of immunological assays for determining prostatic acid phosphatase. Romas NA, et al. **Ann NY Acad Sci** 1982;390:104–9

Plasma sialyl transferase total and isoenzyme activity in the diagnosis of cancer of the colon. Griffiths J, et al. **Clin Biochem** 1982 Feb;15(1):46–8

An improved fluorometric leukocyte beta-glucosidase assay for Gaucher's disease. Daniels LB, et al. **Clin Chim Acta** 1981 Sep;115(3):369–75

Comparative study of gamma glutamyl transferase, alkaline phosphatase and its alpha 1 isoenzyme as biological indicators of liver metastases. Viot M, et al. **Clin Chim Acta** 1981 Sep;115(3):349–58

Serum creatine kinase in the detection of Duchenne muscular dystrophy carriers: effects of season and multiple testing. Percy ME, et al. **Muscle Nerve** 1982 Jan;5(1):58–64

Hyperphenylalaninemia due to dihydropteridine reductase deficiency: diagnosis by enzyme assays on dried blood spots. Arai N, et al. **Pediatrics** 1982 Sep;70(3):426–30

Enzymatic determination of serum cholesterol and triglycerides in children of South Dakota. Lemaster LA, et al. **SD J Med** 1981 Mar;24(3):5–7

Assay of urokinase activity in plasma with a chromogenic substrate. Hayashi S, et al. **Thromb Res** 1981 Jun 1–25; 22(5–6):573–8

[Phosphonate esterase activity in blood serum during early pregnancy (author's transl)] Labadie M, et al. **J Gynecol Obstet Biol Reprod (Paris)** 1981;10(8):771–4 (Eng. Abstr.) (Fre)

[Isoenzymes after physical loading in ischemic heart disease] Geissler W, et al. **Kardiologiia** 1982;22(7):26–31 (Eng. Abstr.) (Rus)

[Trypsin in the blood in pancreatitis: facts, assumptions, errors] Spitsyn IF. **Klin Khir** 1981 Nov;(11):44–8 (59 ref.) (Rus)

[Determination of amylase isoenzymes in the feces] Gromashevskaia LL, et al. **Lab Delo** 1981;(10):609–12 (Eng. Abstr.) (Rus)

[Method of determining microorganism-induced leukocyte lysozyme activity] Ukhal' MI, et al. **Lab Delo** 1981; (11):676–8 (Eng. Abstr.) **(Rus)**

[Alkaline phosphatase isoenzymes in periodontosis] Kulikova VS, et al. **Stomatologiia (Mosk)** 1982 Jan–Feb;61(1):23–5 (Eng. Abstr.) **(Rus)**

[Agar-diffusion method of detecting organophosphate pesticides in cadaveric material] Bezina AA. **Sud Med Ekspert** 1981 Jul–Aug;24(3):38–40 **(Rus)**

[Enzymatic assay of blood galactose] Buglova TT. **Vopr Med Khim** 1982 May–Jun;28(3):134–8 **(Rus)**

STANDARDS

Experiences with the Scandinavian recommended methods for determinations of enzymes in blood. A report by the Scandinavian Committee on Enzymes (SCE) [editorial] Horder M, et al. **Scand J Clin Lab Invest** 1981 Apr; 41(2):107–16

Influence of analytical quality on the diagnostic power of a single S-CK B test in patients with suspected acute myocardial infarction. Hørder M, et al. **Scand J Clin Lab Invest [Suppl]** 1980;155:95–100

Pancreatic iso-amylase in serum as a diagnostic test in different clinical situations. A simulation study. Jacobson G, et al. **Scand J Clin Lab Invest [Suppl]** 1980;155:77–84

VETERINARY

[Enzymatic and radioisotopic methods of studying the liver functional state in rabbits] Georgiev P, et al. **Vet Med Nauki** 1981;18(5):16–21 (Eng. Abstr.) **(Bul)**

[Clinicochemical diagnosis of parturitional and puerperal disorders in cattle--enzyme activity determination] Rummer HJ, et al. **Arch Exp Veterinarmed** 1981; 35(5):737–48 (Eng. Abstr.) **(Ger)**

[The diagnostic significance of isoenzymes of creatine-kinase (CK) in pigs (author's transl)] Bickhardt K, et al. **DTW** 1981 Sep 5;88(9):368–71 (Eng. Abstr.) **(Ger)**

ENZYMES

A radioenzymatic ultramicro method applicable to the measurement of a wide range of metabolites. Berry MN, et al. **Anal Biochem** 1981 Dec;118(2):344–52

A novel procedure for determining protein concentrations from absorption spectra of enzyme digests. Bewley TA. **Anal Biochem** 1982 Jun;123(1):55–65

A manifold and oxygen-removing apparatus for preparing anaerobic enzymes. Peterson JB, et al. **Anal Biochem** 1982 Apr;121(2):335–8

Skull preparation using the exzyme-active detergent technique. Mooney MP, et al. **Anat Rec** 1982 Jan; 202(1):125–9

Magnetic resonance studies of active sites in enzymic complexes. Cohn M, et al. **Annu Rev Biochem** 1982; 51:365–94 (140 ref.)

18O and 17O effects on 31P NMR as probes of enzymatic reactions of phosphate compounds. Cohn M. **Annu Rev Biophys Bioeng** 1982;2:23–42 (61 ref.)

Determination of the molecular weight of detergent-solubilized enzymes by sedimentation equilibrium in an air-driven ultracentrifuge. Howlett GJ, et al. **Biochem Biophys Res Commun** 1982 Apr 14; 105(3):895–901

Fitting of enzyme kinetic data without prior knowledge of weights. Cornish-Bowden A, et al. **Biochem J** 1981 Mar 1;193(3):1005–8

The probability that complex enzyme kinetic curves can be caused by activators of inhibitors. Solano-Muñoz F, et al. **Biochem J** 1981 Jun 1;195(3):589–601

Affinity labeling via deamination reactions. Sinnott ML. **CRC Crit Revbiochem** 1982 Apr;12(4):327–72 (157 ref.)

Nomenclature Committee of the International Union of Biochemistry (NC-IUB). Enzyme nomenclature. Recommendations 1978. Supplement 3: Corrections and Additions. **Eur J Biochem** 1982 Jun 15;125(1):1–13

Electron microscopy of network structures in thermally-induced globular protein gels. Clark AH, et al. **Int J Pept Protein Res** 1981 Mar;17(3):380–92

Evaluation of ion exchange resins and various enzymes in thiamine analysis. Ellefson WC, et al. **J Assoc Off Anal Chem** 1981 Nov;64(6):1336–8

Evolution of clinical enzymology. Büttner J. **J Clin Chem Clin Biochem** 1981 Aug;19(8):529–38

Detection of ligand-induced and syncatalytic conformational changes of enzymes by differential chemical modification. Christen P, et al. **Methods Biochem Anal** 1982;28:151–74 (74 ref.)

Methods for the preparation of enzyme-antibody conjugates for use in enzyme immunoassay. O'Sullivan MJ, et al. **Methods Enzymol** 1981;73(Pt B):147–66

[Enzymes and the Greek letter zeta (author's transl)] Loknar V. **Lijec Vjesn** 1982 Feb;104(2):80 **(Scr)**

ADMINISTRATION & DOSAGE

The use of liposomes as enzyme carriers. I. Dependence of enzyme stability on the method of preparation. Kurosaki Y, et al. **Chem Pharm Bull (Tokyo)** 1981 Apr;29(4):1175–8

ANALYSIS

Evaluation of the enzyme thermistor as a specific detector for chromatographic procedures. Danielsson B, et al. **Anal Biochem** 1981 Oct;117(1):84–93

Optimizing enzyme assays with one or two coupling enzymes. Garcia-Carmona F, et al. **Anal Biochem** 1981 May 15;113(2):286–91

A general method for the localization of enzymes that produce phosphate, pyrophosphate, or CO2 after polyacrylamide gel electrophoresis. Nimmo HG, et al. **Anal Biochem** 1982 Mar 15;121(1):17–22

Effects of some pesticides on enzyme activities in an organic soil. Tu CM. **Bull Environ Contam Toxicol** 1981 Jul; 27(1):109–14

Bioautographic visualization of enzymes. Naylor SL. **Isozymes Curr Top Biol Med Res Isozymes** 1980;4:69–106 (105 ref.)

Double identification of surface antigen and membrane enzyme at the electron microscopic level. Sekine T, et al. **J Electron Microsc (Tokyo)** 1981;30(4):345–7

Molecular relationships between closely related strains and species of nematodes. Butler MH, et al. **J Mol Evol** 1981; 18(1):18–23

Electrode adsorption method for determination of enzymatic activity. Arwin H, et al. **Med Biol Eng Comput** 1982 May; 20(3):362–74

Enzyme patterns in bacterial classification and identification. Williams RA, et al. **Soc Appl Bacteriol Symp Ser** 1980; 8:299–318 (79 ref.)

Fractionation of midget faded rattlesnake (Crotalus viridis concolor) venom: lethal fractions and enzymatic activities. Pool WR, et al. **Toxicon** 1981;19(4):517–27

[Significance and importance of enzyme diagnosis in the framework of toxicological studies of plant protectives, pesticides and agents for biological process control] Plass R, et al. **Nahrung** 1981;25(1):71–81 (Eng. Abstr.) **(Ger)**

[Temperature-controlled kinetic enzyme determination] Löschner J, et al. **Z Med Lab Diagn** 1981;22(3):173–4 **(Ger)**

[Enzymatic cycling (author's transl)] Kato T. **Seikagaku** 1981; 53(4):262–4 **(Jpn)**

BLOOD

Influence of epidural analgesia on postoperative changes in various serum enzyme patterns and serum bilirubin. Rem J, et al. **Acta Anaesthesiol Scand** 1981 Apr;25(2):142–5

Interlaboratory survey of Enzyme Analyses iii. Does College of American Pathologists' survey serum mimic clinical specimens? Lott JA, et al. **Am J Clin Pathol** 1981 Oct;76(4 Suppl):554–66

Phthalate esters I: Effects on cytochrome P-450 mediated metabolism in rat liver and lung, serum enzymatic activities and serum protein levels. Walseth F, et al. **Arch Toxicol** 1982 May;50(1):1–10

Enzymologic classification of acute leukemias: nonspecific esterase markers distinguish myeloid and lymphoid varieties. Yourno J, et al. **Blood** 1982 Aug;60(2):304–8

Utility of radionuclide liver/spleen scanning and serum enzyme level in detecting hepatic metastases from ovarian carcinoma. Mettler FA Jr, et al. **Cancer** 1982 Sep 1; 50(5):909–11

Quantitative analysis of plasma enzyme levels based upon simultaneous determination of different enzymes. Willems GM, et al. **Cardiovasc Res** 1982 Mar;16(3):120–31

Organophosphate poisoning. Effects of selected organophosphate pesticides on plasma enzymes and brain esterases of Japanese quail (Coturnix coturnix japonica). Westlake GE, et al. **J Agric Food Chem** 1981 Jul–Aug; 29(4):772–8

Carbamate poisoning. Effects of selected carbamate pesticides on plasma enzymes and brain esterases of Japanese quail (Coturnix coturnix japonica). Westlake GE, et al. **J Agric Food Chem** 1981 Jul–Aug;29(4):779–85

The levels of serum enzymes, plasma proteins and lipids in normal infants and small children. Landaas S, et al. **J Clin Chem Clin Biochem** 1981 Oct;19(10):1075–80

Correlation of changes in blood chemistry with pathological changes in the animal's body: II Electrolytes, kidney function tests, serum enzymes, and liver function tests. Stogdale L. **J S Afr Vet Assoc** 1981 Jun;52(2):155–64

Effects of polychlorinated biphenyls on the development of intestinal and serum marker enzymes. Walden R, et al. **J Toxicol Environ Health** 1982 Jan;9(1):1–12

Effects of chloropeptide on liver components and serum enzyme activities in mice. Ito T, et al. **J Toxicol Sci** 1981 May;6(2):105–13

Serum enzyme activities and histological changes after percutaneous application of methylchloroform. Viola A, et al. **Med Lav** 1981 Sep–Oct;72(5):410–5

Fundamentals and evaluation of enzyme patterns in serum. Schmidt E, et al. **Prog Liver Dis** 1982;7:411–28

Experiences with the Scandinavian recommended methods for determinations of enzymes in blood. A report by the Scandinavian Committee on Enzymes (SCE) [editorial] Horder M, et al. **Scand J Clin Lab Invest** 1981 Apr; 41(2):107–16

[Aprotinin-ACD-blood. II. The effect of aprotinin on the release of cellular mediators and enzymes in banked blood (author's transl)] Harke H, et al. **Anaesthesist** 1982 Apr; 31(4):165–71 (Eng. Abstr.) **(Ger)**

[Effects of mycotoxins on some laboratory parameters and on enzyme activities in fresh liver tissue of young poultry (author's transl)] Gylstorff I, et al. **DTW** 1982 Jan 5; 89(1):16–9 (Eng. Abstr.) **(Ger)**

[Rational diagnosis and therapy in hematology. A short summary] Gross R. **Med Welt** 1982 Feb 5;33(5):155–62 **(Ger)**

[Possibilities and limits of enzymatic tumour diagnosis. I. Communication: Organ-dependent diagnosis (author's transl)] Hempel RD, et al. **Radiobiol Radiother (Berl)** 1981; 22(5):581–7 (Eng. Abstr.) **(Ger)**

[Possibilities and limits of enzymatic tumour diagnosis. II. Communication: Enzymes as general tumour markers (author's transl)] Hempel RD, et al. **Radiobiol Radiother (Berl)** 1981;22(5):588–92 (Eng. Abstr.) **(Ger)**

[Multivariate discrimination analysis of enzyme patterns in tumor patients] Klöppel R, et al. **Radiobiol Radiother (Berl)** 1982 Mar;23(2):127–33 (Eng. Abstr.) **(Ger)**

[Plasma enzyme activity in the dog. Effects of age and sex] Keller P, et al. **Schweiz Arch Tierheilkd** 1982 Feb; 124(2):83–95 (Eng. Abstr.) **(Ger)**

[Measurement of serum activity in short and long-term application of various hormonal contraceptives] Klinger G, et al. **Z Gesamte Inn Med** 1981 Sep 1;36(17):611–20 (Eng. Abstr.) **(Ger)**

[Enzyme diagnosis in children. Value and limitations] Sitzmann FC. **ZFA (Stuttgart)** 1981 Sep 20;57(26):1750–7 **(Ger)**

[Studies on physical stress. Part 1. Effect of physical exercise on the activities of various enzymes in human plasma (author's transl)] Ohno H, et al. **Nippon Eiseigaku Zasshi** 1981 Dec;36(5):800–10 (Eng. Abstr.) **(Jpn)**

[Changes in serum enzyme activity in acute barbiturate and psychotropic drug poisoning] Bogusz M. **Folia Med Cracov** 1980;22(3–4):293–304 (23 ref.) (Eng. Abstr.) **(Pol)**

[Various aspects of estrogen activity in women in the postmenopausal period. VI. Enzyme activity of the blood] Dzieciuchowicz L. **Ginekol Pol** 1982 Jan–Feb;53(1–2):65–8 (Eng. Abstr.) **(Pol)**

[Activity of various enzymes, BSP tests and blood serum protein fractions of workers of disinfection, de-insectization and deratization plants] Krzysztof K, et al. **Med Pr** 1980;31(6):459–67 (Eng. Abstr.) **(Pol)**

[Blood serum indicator enzymes and isoenzymes in acute poisoning] Gembitskii EV, et al. **Sov Med** 1982;(2):25–9 (Eng. Abstr.) **(Rus)**

[Serum enzyme dynamics in progressive muscular dystrophies] Tsvetanova E, et al. **Zh Nevropatol Psikhiatr** 1981;81(11):1642–50 (Eng. Abstr.) **(Rus)**

[The long-distance runner syndrome? Heavy muscular effort may cause enzyme changes similar to enzyme changes in heart infarction] Bark S, et al. **Lakartidningen** 1981 Aug 19;78(34):2866–8 **(Swe)**

CEREBROSPINAL FLUID

Investigations on enzyme activity in the serum and CSF of patients with neuromuscular diseases. Diószeghy P, et al. **Arch Psychiatr Nervenkr** 1981;230(4):307–14

Levels of enolase and other enzymes in the cerebrospinal fluid as indices of pathological change. Royds JA, et al. **J Neurol Neurosurg Psychiatry** 1981 Dec;44(12):1129–35

DEFICIENCY

[Psoriasis - an enzyme defect] Schnellen B. **ZFA (Stuttgart)** 1981 Nov 30;57(33):2343–5 **(Ger)**

GENETICS

Distribution of the number of heterozygous loci in the Kota population of Nilgiri hills of India and estimation of average heterozygosity. Chakraborty R, et al. **Ann Hum Biol** 1981 Sep–Oct;8(5):453–9

Investigation on the distribution of genetic polymorphisms in Greece. 3. Red cell enzyme polymorphisms and genetic distances G. Tsiakalos G, et al. **Anthropol Anz** 1981 Sep; 39(3):244–54

Genetic regulation of neurotransmitter enzymes and receptors: relationship to the inheritance of psychiatric disorders. Ciaranello RD, et al. **Behav Genet** 1982 Feb; 12(1):11–35

Serial electrophoretic transfers: a technique for the identification of numerous enzymes from single polyacrylamide gels. McLellan T, et al. **Biochem Genet** 1981 Aug;19(7–8):647–54

Biochemical polymorphic systems in inbred lines of chickens: a survey. Singh H, et al. **Biochem Genet** 1981 Oct; 19(9–10):1031–5

Comparative gene mapping of man and Cebus capucinus: a study of 23 enzymatic markers. Créau-Goldberg N, et al. **Cytogenet Cell Genet** 1981;31(4):228–39

Cattle gene mapping by somatic cell hybridization study of 17 enzyme markers. Heuertz S, et al. **Cytogenet Cell Genet** 1981;30(3):137–45

Electrophoretic variation in large mammals. II. the red fox, Vulpes vulpes, the stoat, mustela erminea, the weasel, Mustela nivalis, the pole cat, mustela putorius, the pine marten, Martes martes, the beech marten, Martes foina, and the badger, Meles meles. Simonsen V. **Hereditas** 1982; 96(2):299–305

Lack of relationship between morphological variance and enzyme heterozygosity in the plaice, Pleuronectes platessa. McAndrew BJ, et al. **Heredity (Edinburgh)** 1982 Feb;48(Pt

1):117-25
Of rabbit and man: comparative gene mapping. Soulie J, et al. **Hum Genet** 1982;60(2):172-5
Mating propensities and variations in enzyme activities in long-term cage populations of Drosophila melanogaster. Alahiotis SN, et al. **J Hered** 1982 Jan-Feb;73(1):53-8
Linkage analysis of seventeen loci in poeciliid fish (genus Poeciliopsis). Leslie JF. **J Hered** 1982 Jan-Feb;73(1):19-23
Frequency of thermostability variants: estimation of total 'rare' variant frequency in human populations. Mohrenweiser HW, et al. **Proc Natl Acad Sci USA** 1981 Sep;78(9):5729-33
Genetic polymorphisms and gene expression variations at enzyme loci in chinese hamster cell lines. Stallings RL, et al. **Somatic Cell Genet** 1981 May;7(3):295-306
Confirmational, provisional, and/or regional assignment of 15 enzyme loci onto Chinese hamster autosomes 1, 2, and 7. Stallings RL, et al. **Somatic Cell Genet** 1981 Nov; 7(6):683-98
Red-cell enzyme study among some migrant tribal populations in the Andaman Islands. Bhattacharyya SK, et al. **Z Morphol Anthropol** 1980;71(3):336-40
Genetic studies in Egypt: red cell enzyme and plasma protein polymorphisms. Goedde HW, et al. **Z Morphol Anthropol** 1980;71(3):329-35
[Ovine histocompatibility complex OLA and enzymatic markers in hamster X sheep hybrids. I. Asynteny between PGM3-ME1 and OLA. (author's transl)] Millot P, et al. **Ann Genet (Paris)** 1981;24(2):82-8 (Eng. Abstr.) **(Fre)**
[First survey on polymorphism of 5 enzymes used as genetic markers in Moroccan cattle of the Brown Atlas type] Briouga J, et al. **Rev Elev Med Vet Pays Trop** 1981; 34(4):417-20 (Eng. Abstr.) **(Fre)**

ISOLATION & PURIFICATION

Purification of some tricarboxylic acid cycle enzymes from beef heart using affinity elution chromatography. Davies JR, et al. **Anal Biochem** 1981 Jun;114(1):19-27
Quantitative studies of ion-exchange and affinity elution chromatography of enzymes. Scopes RK. **Anal Biochem** 1981 Jun;114(1):8-18
A method for quantitative extraction of enzymes and metabolites from tissue samples in the milligram range. Pette D, et al. **J Histochem Cytochem** 1982 Apr;30(4):401-2
[Group-specific adsorbents linked with dyes - structural analogs of coenzymes used for isolation and purification of enzymes: a review] Pesliakas IgI, et al. **Prikl Biokhim Mikrobiol** 1981 May-Jun;17(3):456-71 (75 ref.) (Eng. Abstr.) **(Rus)**

METABOLISM

Proceedings of the Twentieth Symposium on Regulation of Enzyme Activity and synthesis in Normal and Neoplastic Tissues. Indiana University School of Medicine, Indianapolis, Indiana October 5 and 6, 1981. **Adv Enzyme Regul** 1982;20:1-440
Proceedings of the Nineteenth Symposium on Regulation of Enzyme Activity and Synthesis in Normal and Neoplastic Tissues. Indianapolis, indiana. October 6 and 7, 1980. **Adv Enzyme Regul** 1980;19:1-536
The binding and regulation of biologically active proteins on cellular interfaces: model studies of enzyme adsorption on hydrophobic binding site lattices and biomembranes. Jennissen HP. **Adv Enzyme Regul** 1980;19:377-406
Ligand substitution chemistry and enzymology. Jenkins WT. **Adv Enzymol** 1982;53:307-44 (70 ref.)
Nucleotide-dependent enzymes associated with microtubule systems. Terry BJ, et al. **Adv Enzymol** 1982;53:113-61 (128 ref.)
Microcomputer interface for computer-assisted enzyme kinetic studies with UV--VIS spectrophotometers. Sharp TR, et al. **Anal Biochem** 1981 Sep 15;116(2):545-52
A versatile low-temperature stopped-flow instrument compatible with both rapid and slow scanning spectrometers. Van Wart HE, et al. **Anal Biochem** 1981 Nov 1;117(2):410-8
Initial rates. A new plot. Boeker EA. **Biochem J** 1982 Apr 1;203(1):117-23
Fitting of enzyme kinetic data without prior knowledge of weights. Cornish-Bowden A, et al. **Biochem J** 1981 Mar 1;193(3):1005-8
A generalized theory of the transition time for sequential enzyme reactions. Easterby JS. **Biochem J** 1981 Oct 1; 199(1):155-61
A method for determining kinetic parameters at high enzyme concentrations. Halfman CJ, et al. **Biochem J** 1982 Apr 1;203(1):339-42
A novel parameter estimation from the linearized Michaelis-Menten equation at low substrate concentrations [letter] Keleti T. **Biochem J** 1982 Apr 1;203(1):343-4
Application of jackknife procedures to inter-experiment comparisons of parameter estimates for the Michaelis-Menten equation. Oppenheimer L, et al. **Biochem J** 1981 Sep 1;197(3):721-9
An easy method for the determination of initial rates. Waley SG. **Biochem J** 1981 Mar 1;193(3):1009-12
On an alleged exception to generalized microscopic reversibility as a condition for reduction in degree of steady-state kinetic equations [letter] Whithead EP. **Biochem J** 1981 Nov 1;199(2):461-2
Effect of lithium on synaptosomal brain enzymes. Guerri C. **Biochem Pharmacol** 1982 Feb 1;31(3):449-53
Precise structural information for transient enzyme-substrate complexes by a combined X-ray crystallographic-resonance Raman spectroscopic approach. Huber CP, et al. **Biochemistry** 1982 Jun 22; 21(13):3109-15
Minimal kinetic mechanism and general equation for deuterium isotope effects on enzymic reactions: uncertainty in detecting a rate-limiting step. Northrop DB. **Biochemistry** 1981 Jul 7;20(14):4056-61
Estimation of kinetic parameters, amount of endogenous substrate and contaminating enzyme activity in a target enzyme reaction. Kato T, et al. **Biochim Biophys Acta** 1981 Sep 15;661(1):1-11
Kinetics of suicide substrates. Steady-state treatments and computer-aided exact solutions. Tatsunami S, et al. **Biochim Biophys Acta** 1981 Dec 15;662(2):226-35
The effects of modifiers on enzyme catalysis: a non-classical nearest neighbor approach. Shiner JS, et al. **Biophys Chem** 1981 Aug;13(4):291-306
Two-enzyme active transport in vitro with pH induced asymmetrical functional structures. III. Discussions based on numerical treatments of the time-dependent evolutions. Vincent JC, et al. **Biophys Chem** 1981 Oct;14(2):159-76
The flexibility during the juxtaposition of reacting groups and the upper limits of enzyme reactions. Zhou GP, et al. **Biophys Chem** 1981 Nov;14(3):277-81
Axonal transport of enzymes and labeled proteins in experimental axonopathy induced by p-bromophenylacetylurea. Jakobsen J, et al. **Brain Res** 1981 Dec 14;229(1):103-22
Asymptotic analysis of the Michaelis-Menten reaction equations. Ignetik R, et al. **Bull Math Biol** 1981;43(4):375-8
A new graphical rule for rate laws of enzyme reactions with branched pathways. Chou KC. **Can J Biochem** 1981 Sep; 59(9):757-61
Kinetics of digestive enzyme stability in the solid state. II Quantitative prediction of enzyme inactivation. Sugiura M, et al. **Chem Pharm Bull (Tokyo)** 1981 Jul;29(7):2096-100
Biochemical genetics of neurotransmitter enzymes and receptors: relationships to schizophrenia and other major psychiatric disorders. Ciaranello RD, et al. **Clin Genet** 1981 May;19(5):358-72
Significance of skeletal muscle oxidative enzyme enhancement with endurance training. Gollnick PD, et al. **Clin Physiol** 1982 Feb;2(1):1-12
Reaction velocities in vivo: standardization of kinetic 'constants' by correction for blood flow. Coulson RA, et al. **Comp Biochem Physiol [A]** 1982;72(1):125-32
ROSFIT: an enzyme kinetics nonlinear regression curve fitting package for a microcomputer. Greco WR, et al. **Comput Biomed Res** 1982 Feb;15(1):39-45
Cryoenzymology. Fink AL, et al. **CRC Crit Revbiochem** 1981; 11(2):145-207 (194 ref.)
Interactions between soluble enzymes and subcellular structure. Masters CJ. **CRC Crit Revbiochem** 1981; 11(2):105-43 (121 ref.)
Multimodulation of enzyme activity. Sols A. **Curr Top Cell Regul** 1981;19:77-101 (121 ref.)
Drug-metabolizing enzymes as evolutionary probes. Jondorf WR. **Drug Metab Rev** 1981;12(2):379-430 (277 ref.)
Subsite mapping of enzymes. Double inhibition studies. Thoma JA, et al. **Eur J Biochem** 1982 Mar 1;122(3):613-8
Influence of the surface potential on the Michaelis constant of membrane-bound enzymes: effect of membrane solubilization. Wojtczak L, et al. **FEBS Lett** 1982 Mar 22; 139(2):221-4
Mechanisms of metal--salt methods in enzyme cytochemistry with special reference to acid phosphatase. De Jong AS. **Histochem J** 1982 Jan;14(1):1-33 (106 ref.)
The influence on enzyme activity of storage of tissue blocks at -70 degrees C. Henderson B, et al. **Histochemistry** 1981; 72(4):545-50
Microcomputers in enzymology. A versatile BASIC computer program for analyzing kinetic data. Knack I, et al. **Hoppe Seylers Z Physiol Chem** 1981 Aug;362(8):1119-30
Network thermodynamic analysis of enzyme-catalysed reactions. Yashonath S, et al. **Indian J Biochem Biophys** 1981 Jun;18(3):211-4
The effect of chemical and physiological factors on the kinetics for product formation as it relates to enzyme activity and concentration, reaction time and to substrate adsorption and affinity. Chrastil J, et al. **Int J Biochem** 1982;14(1):1-17
Analysis of enzyme kinetic data. Llaurado JG. **Int J Biomed Comput** 1982 May;13(3):193-8
Chemoarchitectonics of the forebrain of the hagfish, Eptatretus burgeri. Kusunoki T, et al. **J Hirnforsch** 1981; 22(3):285-98
Two new schematic rules for rate laws of enzyme-catalysed reactions. Chou KC. **J Theor Biol** 1981 Apr 21;89(4):581-92
Phase response curves obtained by perturbing different variables of a 24 hr model oscillator based on translational control. Drescher K, et al. **J Theor Biol** 1982 Jan 21; 94(2):345-53
Optimal design of experiments for the estimation of precise hyperbolic kinetic and binding parameters. Endrenyi L, et al. **J Theor Biol** 1981 May 21;90(2):241-63
III. Kinetics of enzyme reactions with inactivation steps. Galvez J, et al. **J Theor Biol** 1981 Mar 7;89(1):37-44
I. Transient phase kinetics of enzyme reactions. Galvez J, et al. **J Theor Biol** 1981 Mar 7;89(1):1-17
II. Transient phase of two-substrate enzyme systems. Galvez J, et al. **J Theor Biol** 1981 Mar 7;89(1):19-35
IV. Transient phase of the uni-bi mechanisms. Galvez J, et al. **J Theor Biol** 1982 Jan 21;94(2):413-20
On the physiological significance of positive and negative co-operativity. Ghosh R. **J Theor Biol** 1981 Nov 21; 93(2):395-401
Kinetic analysis of dye-linked dehydrogenases and related enzymes where the electron acceptor binds twice during the catalytic sequence. Ghosh R. **J Theor Biol** 1982 Feb 21;94(4):857-67
Physical theory of enzyme catalysis [letter] Gray BF, et al. **J Theor Biol** 1982 Jan 21;94(2):513-5
Graphical rules for non-steady state enzyme kinetics. Kuo-Chen C, et al. **J Theor Biol** 1981 Aug 21;91(4):637-54
Influence of substrate and product diffusion on the heterogeneous kinetics of enzymic reversible reactions. Marc A, et al. **J Theor Biol** 1982 Jan 7;94(1):179-89
Coupling in relaxation experiments as a diagnostic tool to discriminate among different antico-operative models. Mazat JP, et al. **J Theor Biol** 1981 Mar 7;89(1):53-67
Self-organization and dynamics of an open futile cycle. Ricard J, et al. **J Theor Biol** 1982 Mar 7;95(1):105-21
Optimization of kinetic proofreading: a general method for derivation of the constraint relations and an exploration of a specific case. Savageau MA, et al. **J Theor Biol** 1981 Nov 7;93(1):157-77
Accuracy of proofreading with zero energy cost. Savageau MA. **J Theor Biol** 1981 Nov 7;93(1):179-95
The time evolution of sequential enzyme reactions: a singular perturbation approach. Seshadri MS, et al. **J Theor Biol** 1981 Nov 7;93(1):197-205
Simple physical presentation of enzymatic catalysis. Volkenstein MK. **J Theor Biol** 1981 Mar 7;89(1):45-51
The dynamics of an open, isothermal homogeneous, single enzyme, two substrate system. Webster IA. **J Theor Biol** 1981 Aug 7;91(3):417-28
A note on the choice of substrate concentration in enzyme kinetic experiments. Weiss GH, et al. **J Theor Biol** 1981 Jun 7;90(3):437-9
On the 'cytosociology' of enzyme action in vivo: a novel thermodynamic correlate of biological evolution. Welch GR, et al. **J Theor Biol** 1981 Dec 21;93(4):701-35
The mucopolysaccharidoses: biochemistry and clinical symptoms. Kresse H, et al. **Klin Wochenschr** 1981 Aug 17; 59(16):867-76
How to analyze binding, enzyme and uptake data: the simplest case, a single phase. Zivin JA, et al. **Life Sci** 1982 Apr 26;30(17):1407-22
Polyamines as cellular regulators. **Med Biol** 1981 Dec; 59(5-6):269-461
Enzymes and nucleic acids not absorbable [letter] Fridovich I. **N Engl J Med** 1982 Jun 24;306(25):1554
Diketones as photosensitizing agents: application to alpha-amino acids and enzymes. Mäkinen KK, et al. **Photochem Photobiol** 1982 May;35(5):761-5
Reciprocity or near-reciprocity of highly coupled enzymatic processes at the multidimensional inflection point. Caplan SR. **Proc Natl Acad Sci USA** 1981 Jul;78(7):4314-8
Reaction kinetics in living systems. Eyring H, et al. **Proc Natl Acad Sci USA** 1981 Sep;78(9):5549-53
The interrelationship between metabolic regulation, weight control and obesity. Newsholme EA. **Proc Nutr Soc** 1982 Jun;41(2):183-91 (19 ref.)
The role of protein fluctuations in enzyme action: a review. Welch GR, et al. **Prog Biophys Mol Biol** 1982;39(2):109-46 (154 ref.)
Can free energy transduction be localized at some crucial part of the enzymatic cycle? Hill TL, et al. **Q Rev Biophys** 1981 Nov;14(4):463-511 (31 ref.)
Scaling of oxidative and glycolytic enzymes in mammals. Emmett B, et al. **Respir Physiol** 1981 Sep;45(3):261-72
Identification of bacteria by measurements of enzyme activities and its relevance to the clinical diagnostic laboratory. Bascomb S. **Soc Appl Bacteriol Symp Ser** 1980; 8:359-73 (58 ref.)
Bioorganic modelling stereoselective reactions with chiral neutral ligand complexes as model systems for enzyme catalysis. Kellogg RM. **Top Curr Chem** 1982;101:111-45 (93 ref.)
[Cytophotometry of enzyme reactions] **Acta Histochem [Suppl] (Jena)** 1982;26:145-77 **(Ger)**
[Effects of DNCB on skin enzymes. Preliminary report] Beyer C, et al. **Dermatol Monatsschr** 1981 Aug;167(8):497-9 (Eng. Abstr.) **(Ger)**
[Effects of drugs on enzyme studies in clinical analysis] **Folia Med Cracov** 1980;22(3-4):137-475 **(Pol)**
[Recurrent relationship for the characteristic polynom of a system of enzymatic catalysis of nonbranched monomolecular reactions] Omel'ianchuk LV, et al. **Biofizika** 1982 May-Jun;27(3):404-9 (Eng. Abstr.) **(Rus)**
[Transformation of enzyme graphs having the form of a multidimensional parallelepiped] Popova SV. **Biofizika** 1981 Nov-Dec;26(6):973-8 (Eng. Abstr.) **(Rus)**
[Enzymes incorporated into reversed micelles of surfactants in organic solvents. Study of the protein-aerosol OT-H2O-octane system by sedimentation analysis] Khmel'nitskii IuL, et al. **Biokhimiia** 1982 Jan;47(1):86-99 (Eng. Abstr.) **(Rus)**
[Enzymatic conversion of polymers. Nature of apparent product inhibition in the course of enzymatic degradation of polymer substrates] Klesov AA, et al. **Biokhimiia** 1981

Oct;46(10):1840–6 (Eng. Abstr.) **(Rus)**
[Free energy linearity principle in enzymatic catalysis and thermodynamic principles of specificity] Kozlov LV. **Biokhimiia** 1981 Aug;46(8):1369–75 (Eng. Abstr.) **(Rus)**
[Change in body metabolic processes due to incorporation of radionuclides] Kalistratova VS. **Med Radiol (Mosk)** 1982 Apr;27(4):62–71 (65 ref.) **(Rus)**
[Regulation of two-substrate reaction by substrate analog, as analyzed by graphic methods] Gol'dshtein BN, et al. **Mol Biol (Mosk)** 1981 Jan–Feb;15(1):132–8 (Eng. Abstr.) **(Rus)**
[Specific ligand induced dimerization of allosteric enzymes] Kurganov BI. **Mol Biol (Mosk)** 1982 Mar–Apr;16(2):424–33 (Eng. Abstr.) **(Rus)**

PHARMACODYNAMICS

[Effect of tricholysine on plasma fibrinolytic activity] Serebriakova TN, et al. **Biol Nauki** 1981;(8):46–51 **(Rus)**

PHYSIOLOGY

Tissue-dependent enzyme-mediated repair or removal of O-ethyl pyrimidines and ethyl purines in carcinogen-treated rats. Singer B, et al. **Carcinogenesis** 1981;2(10):1069–73
Adaptation. The Fifteenth Marjory Stephenson Memorial Lecture. Clarke PH. **J Gen Microbiol** 1981 Sep;126(Pt 1):5–20
[Regulation of the activity of enzymes of biotransformation; toxicological implications] Gielen JE. **Bull Mem Acad R Med Belg** 1980;135(11):714–24 (Eng. Abstr.) **(Fre)**

RADIATION EFFECTS

Positron annihilation in enzymes. Prasad H, et al. **Indian J Biochem Biophys** 1981 Oct;18(5):363–7
[Possible mechanism of Sun–biosphere relationships] Zhvirblis VE. **Probl Kosm Biol** 1982;43:197–211 **(Rus)**

SECRETION

Release of enzymes from cultured fibroblasts induced by lysophosphatidylcholine. Kristensen SR, et al. **Enzyme** 1982;27(1):40–4

STANDARDS

Use of an enzyme standard in the measurement of enzymes in a Clinicon reaction rate analyser. Nisbet JA, et al. **Ann Clin Biochem** 1982 May;19(3):160–2

THERAPEUTIC USE

Enzyme therapy: problems and solutions. Holcenberg JS. **Annu Rev Biochem** 1982;51:795–812
The effect of enzyme therapy on plasma lipid levels in the elderly. Hall DA, et al. **Atherosclerosis** 1982 Jun; 43(2–3):209–15
Prospects for enzyme replacement for lysosomal storage diseases. Sly WS. **Birth Defects** 1981;17(1):201–13
Enzyme therapy of cancer, future studies. Holcenberg JS. **Cancer Treat Rep** 1981;65 Suppl 4:61–5
[Effect of therapeutic enzyme preparations on submaxillary gland enzyme activity in rats with experimental traumatic submaxillitis] Kovalenko AF, et al. **Fiziol Zh** 1982 Jan–Feb; 28(1):61–4 (Eng. Abstr.) **(Rus)**

URINE

Urinary enzymes as indicators of kidney damage by methylmercury exposure. Tsuzuki Y. **Bull Environ Contam Toxicol** 1981 Jul;27(1):55–8
Influence of pH on the activity of enzymes in urine at 37 degrees C[letter] Jung K, et al. **Clin Chem** 1982 Aug; 28(8):1814
Effect of sodium tetrathionate on the activities of some enzymes in kidney and urine. Kunović B, et al. **J Clin Chem Clin Biochem** 1981 Nov;19(11):1131–6
[Urinary enzymes and their importance in the diagnosis of renal diseases] Lutz W, et al. **Pol Tyg Lek** 1982 May 3; 37(9–10):277–80 **(Pol)**
[Enzymuria in healthy children] Moshkin AV, et al. **Lab Delo** 1982;(6):8–12 **(Rus)**

ENZYMES, IMMOBILIZED

Preparation and practical utilization of a highly active immobilized form of porcine kidney aminoacylase. Szajáni B, et al. **Acta Biochim Biophys Acad Sci Hung** 1980; 15(4):295–303
Polysaccharide derivatives as coats for nylon tube urease. Onyezili FN, et al. **Anal Biochem** 1981 Oct;117(1):121–5
Uricase immobilized onto nylon tube for use in automated analysis of serum urate. Salleh AB, et al. **Anal Biochem** 1981 Sep 1;116(1):40–7
Immobilized lactoperoxidase as a biologically active and stable form of an antimicrobial enzyme. Tenovuo J, et al. **Arch Oral Biol** 1981;26(4):309–14
Ionic strength and pH effects in the kinetically controlled synthesis of benzylpenicillin by nucleophilic deacylation of free and immobilized phenyl-acetyl-penicillin amidase with 6-aminopenicillanic acid. Kasche V, et al. **Biochem Biophys Res Commun** 1982 Feb 26;104(4):1215–22
Direct visualization of diffusion convection phenomena at liquid solid interfaces by the use of a chemiluminescent enzymatic immobilized system. Dimicoli JL, et al. **Biorheology** 1982;19(1/2):281–300
Reactivity and stability of microencapsulated placental alkaline phosphatase. Takenaka H, et al. **Chem Pharm Bull (Tokyo)** 1982 Feb;30(2):695–701
Enzyme engineering: accomplishments and prospects. Thomas D, et al. **Endeavour** 1981;5(3):96–8
A new method for coupling glucose dehydrogenase to glass tubes activated with titanium tetrachloride. Bisse E, et al. **FEBS Lett** 1982 Feb 22;138(2):316–8
Immobilization of arginase on hollow fiber hemodialyzer. Rossi V, et al. **Int J Artif Organs** 1981 Mar;4(2):102–7
Changes in the kinetic properties of beta-N-acetylhexosaminidase and arylsulfatase A upon immobilization on concanavalin A. Farooqui AA, et al. **Int J Biochem** 1981;13(8):893–7
Immobilization of metapyrocatechase and its properties in comparison with the soluble enzyme. Iwaki M, et al. **J Biochem (Tokyo)** 1982 May;91(5):1549–53
The in vitro and in vivo behavior of urokinase immobilized onto collagen-synthetic polymer composite material. Watanabe S, et al. **J Biomed Mater Res** 1981 Jul; 15(4):553–63
[Preparation of acetylcholinesterase enzyme electrode (author's transl)] Cai LW, et al. **Chung Kuo I Hsueh Ko Hsueh Yuan Hsueh Pao** 1982; 4(1):63–5 (Eng. Abstr.) **(Chi)**
[Athrombogenic substances derived by immobilization of trypsin on the surface of synthetic polymers] Salganik RI, et al. **Vopr Med Khim** 1982 Jan–Feb;28(1):113–5 (Eng. Abstr.) **(Rus)**

ADMINISTRATION & DOSAGE

[Use of streptodecase in acute myocardial infarct] Chazov EI, et al. **Kardiologiia** 1981 Dec;21(12):10–4 (Eng. Abstr.) **(Rus)**
[Parenteral use of an immobilized microbial protease in the combined treatment of experimental peritonitis] Fokin AA. **Vestn Khir** 1981 Oct;127(10):59–62 (Eng. Abstr.) **(Rus)**

ANALYSIS

Immobilized D-glyceraldehyde-3-phosphate dehydrogenase can exist as a trimer. Ashmarina LI, et al. **FEBS Lett** 1981 Jun 1;128(1):22–6

ANTAGONISTS & INHIBITORS

Effect of different elastase inhibitors on leukocyte elastase pre-adsorbed to elastin. Hornebeck W, et al. **Hoppe Seylers Z Physiol Chem** 1982 Apr;363(4):455–8

DIAGNOSTIC USE

Use of azide to enhance the sensitivity of colorimetric immobilized-glucose-oxidase methods for glucose [letter] Thompson RQ, et al. **Clin Chem** 1982 Mar;28(3):556–7
Evaluation of the Technicon bound uricase method for the determination of uric acid in urine. Thomasson CG, et al. **J Clin Chem Clin Biochem** 1982 May;20(5):299–303
Enzyme electrodes as practical biosensors. Vadgama P. **J Med Eng Technol** 1981 Nov;5(6):293–8 (45 ref.)
[New detector system for HPLC with immobilized enzyme column and luminescence (author's transl)] Arisue K, et al. **Rinsho Byori** 1981 May;29(5):459–62 **(Jpn)**
[Analysis of free, glycine-and taurine-conjugated individual bile acids using high performance liquid chromatography and immobilized 3 alpha-hydroxysteroid dehydrogenase in column form (author's transl)] Okuyama S. **Rinsho Byori** 1981 May;29(5):446–58 **(Jpn)**

IMMUNOLOGY

Acrylic microspheres in vivo V: Immunological properties of immobilized asparaginase in microparticles. Edman P, et al. **J Pharm Sci** 1982 May;71(5):576–80

ISOLATION & PURIFICATION

[Isolation and characteristics of immobilized L-glutamate decarboxylase] Ianushevichiute RP, et al. **Prikl Biokhim Mikrobiol** 1982 May–Jun;18(3):357–66 (Eng. Abstr.) **(Rus)**

METABOLISM

Glyceraldehyde-3-phosphate dehydrogenase: the role of subunit interactions in enzyme functioning. Nagradova NK, et al. **Adv Enzyme Regul** 1980;19:171–204
Immobilized beta-glucuronidase as an on-line precolumn modification reagent for high-performance liquid chromatography. Bowers LD, et al. **Anal Biochem** 1981 Sep 1;116(1):111–5
Immobilization of invertase on modified nylon tubes. Onyezili FN, et al. **Anal Biochem** 1981 May 15;113(2):203–6
Uricase immobilized onto nylon tube for use in automated analysis of serum urate. Salleh AB, et al. **Anal Biochem** 1981 Sep 1;116(1):40–7
Activity and subunit functions of immobilized bacterial luciferase. Watanabe H, et al. **Arch Biochem Biophys** 1982 May;215(2):405–13
Fibrin membrane endowed with biological function. VII. An approach to an artificial liver; conversion of ammonia to urea in vitro. Hagiwara H, et al. **Biochem Biophys Res Commun** 1982 Jan 29;104(2):507–11
Immobilization of enzymes and affinity ligands to various hydroxyl group carrying supports using highly reactive sulfonyl chlorides. Nilsson K, et al. **Biochem Biophys Res Commun** 1981 Sep 16;102(1):449–57
Subunit interactions in tyrosinase from frog epidermis in immobilized enzyme systems. Iborra JL, et al. **Biochem J** 1981 Sep 1;197(3):581–9
Ionic control of immobilized enzymes. Kinetics of acid phosphatase bound to plant cell walls. Ricard J, et al. **Biochem J** 1981 May 1;195(2):357–67
Immobilization of a spin-labeled fatty acid chain covalently attached to Ca2+-ATPase from sarcoplasmic reticulum suggests an oligomeric structure. Andersen JP, et al. **Biochemistry** 1981 Aug 18;20(17):4928–36
Hybrid, immobilised dimers of human liver arginase. Carvajal N, et al. **Biochim Biophys Acta** 1982 Mar 4;701(3):405–7
On the hydrogen-deuterium exchange reaction catalyzed by the soluble hydrogenase from Alcaligenes eutrophus H16 in the free and immobilized state. Egerer P, et al. **Biochim Biophys Acta** 1982 May 3;703(2):149–57
Metal ion-promoted binding of proteins to immobilized triazine dye affinity adsorbents. Hughes P, et al. **Biochim Biophys Acta** 1982 Jan 4;700(1):90–100
Preparation and properties of penicillin amidase immobilized in polyelectrolyte complexes. Margolin AL, et al. **Biochim Biophys Acta** 1981 Aug 13;660(2):359–65
Cleavage of human serum immunoglobulin G by an immobilized pepsin preparation. Tomono T, et al. **Biochim Biophys Acta** 1981 Aug 13;660(2):186–92
Monitoring of artificial enzyme membrane systems by electric currents. I. Analytical treatment with direct current and buffered conductivity. Valleton JM, et al. **Biophys Chem** 1982 Jun;15(3):235–44
pH dependence of free and immobilized yeast alcohol dehydrogenase kinetics. Mazid MA, et al. **Can J Biochem** 1982 Feb;60(2):100–7
Calorimetric analysis of sugars and sugar derivatives with aid of an enzyme thermistor. Mattiasson B, et al. **Carbohydr Res** 1982 Apr 16;102:273–82
Modulation of phosphofructokinase behavior by chemical modifications during the immobilization process. Cambou B, et al. **Eur J Biochem** 1981 Dec;121(1):99–104
Adenosine deaminase covalently linked to soluble dextran. The effect of immobilization on thermodynamic and kinetic parameters. Rosemeyer H, et al. **Eur J Biochem** 1982 Feb; 122(2):375–80
Self-stabilization of the energy charge in a reconstituted enzyme system containing phosphofructokinase. Schellenberger W, et al. **Eur J Biochem** 1981 Aug; 118(2):309–14
Heparin-bound lipoprotein lipase is catalytically active and can be stimulated by apolipoprotein CII. Bengtsson G, et al. **FEBS Lett** 1981 Jun 1;128(1):9–12
An immobilized cyclic multi-step enzyme system -- the urea cycle. Siegbahn N, et al. **FEBS Lett** 1982 Jan 11;137(1):6–10
Tris(hydroxymethyl)methylamine is acylated when it reacts with acyl-chymotrypsin. Kasche V, et al. **Hoppe Seylers Z Physiol Chem** 1982 May;363(5):531–4
Immobilized starch phosphorylase from mature banana (Musa paradisiaca) leaves. Kumar A, et al. **Indian J Biochem Biophys** 1981 Apr;18(2):114–9
Studies on immobilization of polyphenoloxidase from tea leaves & mango peel. Prabha TN, et al. **Indian J Biochem Biophys** 1981 Dec;18(6):402–5
Some kinetic studies on immobilized uricase. Salleh AB, et al. **Int J Biochem** 1981;13(10):1113–8
Immobilized ferredoxin-NADP+ reductase: preparation and properties. Shin M, et al. **J Biochem (Tokyo)** 1982 Mar; 91(3):953–7
Application of polyethylene imine as carrier material for enzyme immobilization. Grunwald P, et al. **Naturwissenschaften** 1981 Oct;68(10):525–6
[Synthesis and properties of immobilized enzymes. XIII. Modification of the properties of immobilized polygalacturonase following solubilization of an enzyme-dialdehyde sephadex complex] Flemming C, et al. **Acta Biol Med Ger** 1981;40(7–8):1067–9 **(Ger)**
[Absence of a magnetic field effect on Na+,K+-dependent ATPase (letter)] Sovich ML, et al. **Biofizika** 1982 May–Jun; 27(3):532–3 (Eng. Abstr.) **(Rus)**
[Coordination-ionic enzyme immobilization. Dependence of properties of immobilized preparations of penicillinamidohydrolase on the nature of metal ion and stationary ligand] Iamskov IA, et al. **Biokhimiia** 1981 Sep; 46(9):1603–8 (Eng. Abstr.) **(Rus)**
[Thermodynamics changes in catalytic properties of immobilized enzymes] Kozlov LV, et al. **Biokhimiia** 1982 Feb;47(2):179–83 (Eng. Abstr.) **(Rus)**
[Use of immobilization for investigation of glyceraldehyde 3-phosphate dehydrogenase. Immobilized tetramers] Muronets VI, et al. **Biokhimiia** 1981 Oct;46(10):1731–9 (Eng. Abstr.) **(Rus)**
[Use of immobilization for the study of glyceraldehyde 3-phosphate dehydrogenase. Immobilized dimers of the enzyme] Muronets VI, et al. **Biokhimiia** 1982 Jan;47(1):3–12 (Eng. Abstr.) **(Rus)**
[Adsorption of cellulolytic enzymes on cellulose and the kinetics of the adsorbed enzymes. Two modes for interaction of the enzymes with the insoluble substrate] Rabinovich ML, et al. **Biokhimiia** 1982 Mar;47(3):465–77 (Eng. Abstr.) **(Rus)**

[Properties of phosphodiesterase from Vipera lebetina venom immobilized on Agarose] Zagrebel'nyĭ SN, et al. **Biokhimiia** 1981 Jul;46(7):1277–82 (Eng. Abstr.) **(Rus)**

[Regulation of the catalytic activity of an enzyme immobilized on a polyelectrolyte support] Martinek K, et al. **Dokl Akad Nauk SSSR** 1981;259(3):746–50 **(Rus)**

[Trypsin immobilization in silica gel] Iankevich MI, et al. **Prikl Biokhim Mikrobiol** 1981 Jul–Aug;17(4):500–4 (Eng. Abstr.) **(Rus)**

[Immobilized lipase from Rhizopus oryzae 14–14] Nekliudov AD, et al. **Prikl Biokhim Mikrobiol** 1981 Jul–Aug; 17(4):510–4 (Eng. Abstr.) **(Rus)**

[Synthesis of trypsin polymer derivatives with single-point binding of the polymer–modifier and protein] Vlasov GP, et al. **Prikl Biokhim Mikrobiol** 1981 Jul–Aug;17(4):494–9 (Eng. Abstr.) **(Rus)**

[Enzyme immobilization via silochromes, modified by transition metal salts] Davidenko TI, et al. **Ukr Biokhim Zh** 1981 Jul–Aug;53(4):60–4 (Eng. Abstr.) **(Rus)**

[Immobilization of Penicillium vitale glucose oxidase by aminoethyl cellulose and properties of immobilized enzyme] Degtiar' RG, et al. **Ukr Biokhim Zh** 1981 Jul–Aug; 53(4):42–7 (Eng. Abstr.) **(Rus)**

[Stability of Penicillium vitale immobilized catalase in continuous decomposition of hydrogen peroxide] Ianishpol'skiĭ VV, et al. **Ukr Biokhim Zh** 1981 Jul–Aug; 53(4):53–9 (Eng. Abstr.) **(Rus)**

[Properties of immobilized glucoamylase preparations] Ivanova LA, et al. **Ukr Biokhim Zh** 1982 May–Jun; 54(3):331–4 (Eng. Abstr.) **(Rus)**

[Immobilization of Penicillium vitale catalase on aminoethyl cellulose and properties of the obtained preparations] Latyshko NV, et al. **Ukr Biokhim Zh** 1981 Jul–Aug; 53(4):48–52 (Eng. Abstr.) **(Rus)**

[Properties of urease immobilized on the functional organic silica surface] Liubinskiĭ GV, et al. **Ukr Biokhim Zh** 1982 Mar–Apr;54(2):145–8 (Eng. Abstr.) **(Rus)**

[Casein hydrolysis by immobilized protosubtilin] Nekliudov AD, et al. **Vopr Pitan** 1981 Nov–Dec;(6):24–8 (Eng. Abstr.) **(Rus)**

PHARMACODYNAMICS

Tyrosinase immobilized within artificial cells for detoxification in liver failure: II. In vivo studies in fulminant hepatic failure rats. Shu CD, et al. **Int J Artif Organs** 1981 Mar;4(2):82–5

[Immobilization of a bacterial enzyme preparation with milk—coagulating action. IV. The effect of immobilization on the properties of the enzyme preparation] Dobreva E. **Acta Microbiol Bulg** 1981;9:35–42 (Eng. Abstr.) **(Bul)**

THERAPEUTIC USE

Hollow-fiber reactors containing mammalian arginase: an approach to enzyme replacement therapy. Kanalas JJ, et al. **Biochem Med** 1982 Feb;27(1):46–55

[Immobilized enzymes and subcellular fractions in therapeutic use] Broun GB. **Expos Annu Biochim Med** 1982;35:115–59 (154 ref.) **(Fre)**

[Effect of the new Soviet thrombolytic preparation streptodecase on the fibrinolysis system] Chazov EI, et al. **Kardiologiia** 1981 Aug;21(8):18–21 (Eng. Abstr.) **(Rus)**

[Streptodecase—a new Soviet thrombolytic long-acting agent] Chazov EI, et al. **Ter Arkh** 1981;53(9):79–84 (Eng. Abstr.) **(Rus)**

EOG see **ELECTROOCULOGRAPHY**

EOSIN

Comparative colorimetry in cytophotometric measurements of azure B–eosin Y-stained and Giemsa–stained blood cell smears. Rüter A, et al. **Anal Quant Cytol** 1982 Jun; 4(2):128–39

Improved stability of methanolic wright's stain with additive reagents. Liao JC, et al. **Stain Technol** 1981 Jul;56(4):251–63

[Structure and intramolecular dynamics of a photoactive pigment–protein eosin–casein complex] Shin IV, et al. **Biofizika** 1982 Jan–Feb;27(1):5–9 (Eng. Abstr.) **(Rus)**

[Reaction kinetics of electron phototransfer in an eosin–casein complex] Shin IV, et al. **Biofizika** 1982 Mar–Apr; 27(2):208–11 (Eng. Abstr.) **(Rus)**

ANALOGS & DERIVATIVES

Coupling factor for photophosphorylation labeled with eosin isothiocyanate: activity, size, and shape in solution. Wagner R, et al. **Biochemistry** 1982 Apr 13;21(8):1890–9

DIAGNOSTIC USE

A standardized differential stain for hematology. Lapen D. **Cytometry** 1982 Mar;2(5):309–15

METABOLISM

The influence of cadmium on the biliary excretion of eosine and bromsulphthalein and on microsomal monooxygenase activities in the rat. Jahn F, et al. **Acta Biol Med Ger** 1982; 41(2–3):255–61

Eosin, a fluorescent probe of ATP binding to the (Na+ + K+)-ATPase. Skou JC, et al. **Biochim Biophys Acta** 1981 Oct 2;647(2):232–40

Motility and eosin uptake of formaldehyde-treated ram spermatozoa. Osinowo OA, et al. **J Reprod Fertil** 1982 Jul; 65(2):389–94

EOSINE YELLOWISH see **EOSIN**

EOSINOPHILIA

NIH conference. The idiopathic hypereosinophilic syndrome. Clinical, pathophysiologic, and therapeutic considerations. Fauci AS, et al. **Ann Intern Med** 1982 Jul;97(1):78–92 (123 ref.)

Toxocariasis in an institution for the mentally retarded. Brook I, et al. **Infect Control** 1981 Jul–Aug;2(4):317–20

[Diffuse fasciite with eosinophilia : a new syndrome (author's transl)] Itzkowitch D, et al. **Rev Med Brux** 1981 Sep; 2(7):631–4 (Eng. Abstr.) **(Fre)**

[Eosinophilic fasciitis (editorial)] Berliner S, et al. **Harefuah** 1981 Jun 15;100(12):587–8 **(Heb)**

BLOOD

Peripheral blood myeloid progenitor cell cultures in patients with hypereosinophilic syndrome (CFU-eos in hypereosinophilic syndrome). Bjornson BH, et al. **Blood** 1982 Sep;60(3):721–6

A clinicopathologic correlation of the idiopathic hypereosinophilic syndrome. I. Hematologic manifestations. Flaum MA, et al. **Blood** 1981 Nov; 58(5):1012–20

Metabolic heterogeneity of eosinophils from normal and hypereosinophilic patients. Pincus SH, et al. **Blood** 1981 Dec;58(6):1175–81

The mechanisms which produce vacuolated and degranulated eosinophils. Tai PC, et al. **Br J Haematol** 1981 Oct;49(2):219–26

Eosinophilia in experimental toxascariasis (visceral larva migrans) in white mice. Figallová V, et al. **Folia Parasitol (Praha)** 1981;28(4):341–2

[A case of adult T cell lymphoma with marked eosinophilia (author's transl)] Masuda J, et al. **Rinsho Ketsueki** 1981 Feb;22(2):237–42 (Eng. Abstr.) **(Jpn)**

CHEMICALLY INDUCED

Diphenylhydantoin hypersensitivity reaction associated with interstitial pulmonary infiltrates and hypereosinophilia. Fruchter L, et al. **Ann Allergy** 1981 Dec;47(6):453–5

Streptozocin-induced eosinophilia and fever: a case report [letter] Shah KA, et al. **Cancer Treat Rep** 1982 Jun; 66(6):1449–51

Eosinophilia associated with cholestyramine. Parker PH, et al. **Clin Pediatr (Phila)** 1981 Oct;20(10):675–6

Eosinophilia as a result of rifampicin therapy. Nigam P, et al. **J Indian Med Assoc** 1981 Nov;77(9–10):158–9

[Nitrofurantoin-induced eosinophilia and neutropenia] Beck HI, et al. **Ugeskr Laeger** 1981 Mar 23;143(13):819–20 (Eng. Abstr.) **(Dan)**

COMPLICATIONS

Atrioventricular valve replacement in the idiopathic hypereosinophilic syndrome. Harley JB, et al. **Am J Med** 1982 Jul;73(1):77–81

An evaluation of childhood rhinorrhea. Siegel CJ, et al. **Ann Allergy** 1982 Jan;48(1):9–11

Rheumatoid lung disease, pneumothorax, and eosinophilia. Crisp AJ, et al. **Ann Rheum Dis** 1982 Apr;41(2):137–40

Angiolymphoid hyperplasia with eosinophilia (Kimura's disease). A case with dermal lesions in the knee region and a popliteal arteriovenous fistula. Moesner J, et al. **Arch Dermatol** 1981 Oct;117(10):650–3

Presence of eosinophilia in progressive systemic sclerosis and localized scleroderma. Giordano M, et al. **Arch Dermatol Res** 1981;271(4):411–7

A hypereosinophilic syndrome with retinal arteritis and tuberculosis. Farcet JP, et al. **Arch Intern Med** 1982 Mar; 142(3):625–7

Eosinophilic meningitis and hydrocephalus in an infant. Enzenauer RW, et al. **Arch Neurol** 1982 Jun;39(6):380–1

Eosinophilic synovial effusions complicating chronic urticaria and angioedema. Klofkorn RW, et al. **Arthritis Rheum** 1982 Jun;25(6):708–9

Skin lesions as the first manifestation of the hypereosinophilic syndrome. van den Hoogenband HM. **Clin Exp Dermatol** 1982 May;7(3):267–71

Angiolymphoid hyperplasia with eosinophilia: a bone lesion pathologically resembling Kimura's disease of skin. A report of two cases. Fornasier VL, et al. **Clin Orthop** 1982 Jun;(166):243–8

Larva migrans with eosinophilic papular folliculitis. Czarnetzki BM, et al. **Dermatologica** 1982 Jan;164(1):36–40

Hypereosinophilic dermatitis. A distinct manifestation of the hypereosinophilic syndrome with response to dapsone. Nir MA, et al. **Dermatologica** 1981;162(6):444–50

Eosinophilic fasciitis (Shulman syndrome) with prominent synovitis. Aelion JA, et al. **Isr J Med Sci** 1982 Jul; 18(7):793–7

Polymyositis with eosinophilia and mononeuropathy multiplex [letter] Strosberg JM, et al. **J Rheumatol** 1981 May–Jun;8(3):523–6

Eosinophilic fasciitis complicated by carpal tunnel syndrome. Wollheim FA, et al. **J Rheumatol** 1981 Sep–Oct;8(5):856–60

Eosinophilic cystitis: an uncommon form of cystitis. Littleton RH, et al. **J Urol** 1982 Jan;127(1):132–3

The syndrome of nonthrombocytopenic purpura with eosinophilia: an acquired platelet dysfunction [letter] Kueh YK. **N Engl J Med** 1982 Feb 11;306(6):365

Eosinophilia in uremia. Gabizon D, et al. **Nephron** 1981; 29(1–2):36–9

A case of eosinophilic leukemia associated with Löffler's endocarditis. Clinical course and autopsy findings. Hirose Y, et al. **Nippon Ketsueki Gakkai Zasshi** 1981 Jul; 44(4):902–9

Eosinophilic nonallergic rhinitis in children. Rupp GH, et al. **Pediatrics** 1982 Sep;70(3):437–9

Eosinophilic gastro-enteritis – a complication of schistosomiasis and peripheral eosinophilia? A case report and review of the pathogenesis. Hesdorffer CS, et al. **S Afr Med J** 1982 Apr 17;61(16):591–3

[Extensive bilateral retinal arteritis in a hypereosinophilic syndrome in a tuberculosis patient] Binaghi M, et al. **Bull Soc Ophtalmol Fr** 1982 Jan;82(1):59–63 **(Fre)**

[Dysimmune adenopathies with eosinophilic myositis and fasciitis (letter)] Dellamonica P, et al. **Nouv Presse Med** 1982 Feb 6;11(6):452–3 **(Fre)**

[Myeloma with hypereosinophilia (letter)] Sanchez Fayos J, et al. **Nouv Presse Med** 1982 Jun 5;11(26):2014–5 **(Fre)**

[Case of eosinophilic fasciitis with pericarditis] Cayla J, et al. **Rev Rhum Mal Osteoartic** 1981 Dec;48(12):809–12 **(Fre)**

[Eosinophilic meningomyelitis (author's transl)] Hoffmann HG, et al. **Infection** 1982 Jan;10(1):28–30 (Eng. Abstr.) **(Ger)**

[Fasciitis and eosinophilia—a scleroderma-like disease] Koppenwallner C, et al. **Internist (Berlin)** 1982 Mar; 23(3):168–70 **(Ger)**

[Surgical aspects of eosinophilic gastroenteritis (author's transl)] Sacher P. **Z Kinderchir** 1981 Sep;34(1):25–30 (Eng. Abstr.) **(Ger)**

[Hypereosinophilic syndrome: report of two cases, with acute blastic crisis in one (author's transl)] Marin J, et al. **Med Clin (Barc)** 1982 May 1;78(9):390–3 (Eng. Abstr.) **(Spa)**

CONGENITAL

Transient hypereosinophilia in the infant of a mother with hypereosinophilic syndrome [letter] Carey JP, et al. **Arch Intern Med** 1982 Sep;142(9):1754–5

DIAGNOSIS

Evaluation of laboratory tests in childhood allergy. Total serum IgE, blood eosinophilia and eosinophil and mast cells in nasal mucosa of 178 children aged 3 years. Kajosaari M, et al. **Allergy** 1981 Jul;36(5):329–35

An evaluation of childhood rhinorrhea [letter] **Ann Allergy** 1982 Jul;49(1):45–7

A clinicopathologic correlation of the idiopathic hypereosinophilic syndrome. II. Clinical manifestations. Schooley RT, et al. **Blood** 1981 Nov;58(5):1021–6

Echocardiography in Löffler's endocarditis. Rodger JC, et al. **Br Heart J** 1981 Jul;46(1):110–2

Eosinophilic cystitis. Tauscher JW, et al. **Clin Pediatr (Phila)** 1981 Nov;20(11):741–3 (25 ref.)

Eosinophilic fasciitis. A case report and review of the literature. Gordon GV. **Cutis** 1981 Sep;28(3):268, 271–3

Eosinophilic ileocolitis: expanding spectrum of eosinophilic gastroenteritis. Tedesco FJ, et al. **Dig Dis Sci** 1981 Oct; 26(10):943–8

Eosinophil count in premature infants. Sharma SC. **Indian J Pediatr** 1982 Jan–Feb;49(396):119–21

Eosinophilic gastroenteritis and ascites. Harmon WA, et al. **J Clin Gastroenterol** 1981 Dec;3(4):371–3

Eosinophilic leukaemia. Viswanathan P, et al. **J Indian Med Assoc** 1981 Jun 16;76(12):229–30

Neonatal eosinophilic colitis. Sherman MP, et al. **J Pediatr** 1982 Apr;100(4):587–9

Eosinophilic fasciitis and reflex sympathetic dystrophy syndrome [letter] Itzkowitch DF, et al. **J Rheumatol** 1981 May–Jun;8(3):528–7

Löffler's eosinophilic endocarditis [editorial] **Lancet** 1981 Nov 7;2(8254):1028–9

[Diffuse fasciitis with eosinophilia or Shulman's syndrome] Permin H. **Ugeskr Laeger** 1981 Jun 8;143(24):1533–4 (Eng. Abstr.) **(Dan)**

[Eosinophilic gastroenteritis] Möttönen T, et al. **Duodecim** 1981;97(22):1868–71 **(Fin)**

[Eosinophilic fasciitis (Shulman's syndrome)] Figueroa M, et al. **Rev Rhum Mal Osteoartic** 1981 Oct;48(10):659–61 **(Fre)**

[Multiple transient brain-infiltrates in allergic meningo-encephalitis. Contribution to the differential diagnosis of CSF-eosinophilia (author's transl)] Berlit P. **Arch Psychiatr Nervenkr** 1981;230(4):351–9 (Eng. Abstr.) **(Ger)**

[Case of restrictive cardiomyopathy with eosinophilia not associated with tropical countries] Kwoczyński J, et al. **Pol Arch Med Wewn** 1981 Oct;66(4):319–28 (Eng. Abstr.) **(Pol)**

DRUG THERAPY

Response of hypereosinophilic syndrome to 6-thioguanine and cytarabine. Eakin DL, et al. **Cancer Treat Rep** 1982 Mar;66(3):545–7

Response of nonallergic rhinitis with eosinophilia (NARES)

syndrome to 4% cromoly sodium nasal solution. Nelson BL, et al. **J Allergy Clin Immunol** 1982 Aug;70(2):125–8

Idiopathic obstructive eosinophilic enteritis with raised IgE: response to oral disodium cromoglycate. Gilinsky NH, et al. **Postgrad Med J** 1982 Apr;58(678):239–43

ETIOLOGY

Posttransfusion syndrome. Rash, eosinophilia, and thrombocytopenia following intrauterine and exchange transfusions. Chudwin DS, et al. **Am J Dis Child** 1982 Jul; 136(7):612–4

Eosinophilic meningoencephalitis in Cuba, caused by Angiostrongylus cantonensis. Pascual JE, et al. **Am J Trop Med Hyg** 1981 Sep;30(5):960–2

Eosinophilic joint effusion and intestinal nematodiasis [letter] Treusch PJ, et al. **Ann Emerg Med** 1981 Nov;10(11):614–5

Childhood pemphigus initially seen as eosinophilic spongiosis. Cooper A, et al. **Arch Dermatol** 1981 Oct;117(10):662–3

Eosinophilia in patients undergoing dialysis. Tielemans C, et al. **Br Med J [Clin Res]** 1981 Sep 12;283(6293):727–8

Eosinophilia in patients undergoing dialysis [letter] Voudiclaris S, et al. **Br Med J [Clin Res]** 1982 Jan 23; 284(6311):272–3

The role of the thymus in the eosinophil response of rats infected with Fasciola hepatica. Doy TG, et al. **Clin Exp Immunol** 1982 Jan;47(1):74–6

Acute lymphoblastic leukemia first appearing as hypereosinophilia. Bottone E, et al. **Eur J Pediatr** 1982 Feb;138(1):85–8

Hemodialysis eosinophilia. Novello AC, et al. **Int J Artif Organs** 1982 Jan;5(1):5–7

Carcinoma of the maxillary sinus with eosinophilia. Report of a case. Sato M, et al. **Int J Oral Surg** 1981 Feb;10(1):62–7

Food allergy manifested by eosinophilia, elevated immunoglobulin E level, and protein-losing enteropathy: the syndrome of allergic gastroenteropathy. Scudamore HH, et al. **J Allergy Clin Immunol** 1982 Aug;70(2):129–38

The hypereosinophilic syndrome and lymphoblastic leukemia with extra C-group chromosome and q14+ marker. Chilcote RR, et al. **J Pediatr** 1982 Jul;101(1):57–60

Migratory erythema and eosinophilic cellulitis associated with nasopharyngeal carcinoma. Murray D, et al. **J R Soc Med** 1981 Nov;74(11):845–7

Malignant islet-cell tumour of the pancreas presenting with non-bacterial thrombotic endocarditis and eosinophilia. O'Boyle CP, et al. **Postgrad Med J** 1981 Jul;57(669):457–8

Eosinophilia. Spry CJ. **Practitioner** 1982 Jan;226(1363):79–88

ELISA for the detection of angiostrongylus cantonensis antibodies in patients with eosinophilic meningitis. Cross JH, et al. **Southeast Asian J Trop Med Public Health** 1982 Mar;13(1):73–6

Dialysis eosinophilia. Spinowitz BS, et al. **Trans Am Soc Artif Intern Organs** 1981;27:161–7

Transient hypereosinophilia in Necator americanus and Schistosoma mansoni infections [letter] Knox-Macaulay HH. **Trans R Soc Trop Med Hyg** 1981;75(6):906–7

[Eosinophilic segmentary enteritis. Allergenic role of chocolate (letter)] Paillas J, et al. **Nouv Presse Med** 1982 Mar 13;11(12):943 **(Fre)**

[Myeloma and hypereosinophilic leukemoid reaction (author's transl)] Dourov N, et al. **Nouv Rev Fr Hematol** 1981;23(4):227–34 (Eng. Abstr.) **(Fre)**

[Hypereosinophilia in cancer and cirrhosis : utility of total eosinophil count (author's transl)] Noirot C, et al. **Sem Hop Paris** 1982 Jan 21;58(3):133–7 (Eng. Abstr.) **(Fre)**

[Postoperative eosinophilic pleurisy] Zhingel' IP. **Grudn Khir** 1982 Mar-Apr;(2):75–6 (Eng. Abstr.) **(Rus)**

[Progressive eosinophilia as 1st manifestation of kidney hypernephroma] Fisher AA, et al. **Ter Arkh** 1982; 54(1):121–2 **(Rus)**

[Finding of Angiostrongylus cantonensis in the cerebrospinal fluid of a boy with eosinophilic meningoencephalitis] Pascual Gispert JE, et al. **Rev Cubana Med Trop** 1981 May-Aug;33(2):92–5 (Eng. Abstr.) **(Spa)**

FAMILIAL & GENETIC

Genetic control of eosinophilia in mice: gene(s) expressed in bone marrow-derived cells control high responsiveness. Vadas MA. **J Immunol** 1982 Feb;128(2):691–5

IMMUNOLOGY

Disseminated ulcerations in allergic eosinophilic gastroenterocolitis. Lucak BK, et al. **Am J Gastroenterol** 1982 Apr;77(4):248–52

Reduction of carrageenan- bradykinin- and histamine-induced acute inflammation by experimental eosinophilia in rats. Popper H, et al. **Immunology** 1982 Jul; 46(3):589–94

Cyclophosphamide pretreatment induces eosinophilia to nonparasite antigens. Vadas MA. **J Immunol** 1981 Nov; 127(5):2083–6

[Suppression of hapten-dependent peritoneal eosinophilia by the induction of sensitized lymphocytes (author's transl)] Kasuya S, et al. **Arerugi** 1982 Jan;31(1):51–7 (Eng. Abstr.) **(Jpn)**

[Eosinophilic fascilitis with IgG deposition around the muscle fiber (author's transl)] Tsuchida T, et al. **Nippon Hifuka Gakkai Zasshi** 1981;91(12):1311–9 **(Jpn)**

OCCURRENCE

Eosinophilic meningitis in the New Hebrides: two outbreaks and two deaths. Bowden DK. **Am J Trop Med Hyg** 1981 Sep;30(5):1141–3

An epidemiologic study of interrelationships of total serum immunoglobulin E, allergy skin-test reactivity, and eosinophilia. Halonen M, et al. **J Allergy Clin Immunol** 1982 Feb;69(2):221–8

PATHOLOGY

Mast cells in eosinophilic pleural effusions [letter] Bertoli G, et al. **Acta Cytol (Baltimore)** 1981 Jul-Aug;25(4):431–2

Angiolymphoid hyperplasia with eosinophilia of the skin. Light microscopic and ultrastructural study of 4 cases. Kindblom LG, et al. **Acta Pathol Microbiol Scand [A]** 1981 Jul;89(4):271–83

Angiolymphoid hyperplasia with eosinophilia of the skin. Its nosological position in the spectrum of histiocytoid hemangioma. Rosai J. **Am J Dermatopathol** 1982 Apr; 4(2):175–84

Wells' syndrome: recurrent granulomatous dermatitis with eosinophilia [letter] Burket JM. **Arch Dermatol** 1981 Dec; 117(12):759

Granulomatosis vasculitis in the syndrome of diffuse fasciitis with eosinophilia. Lewkonia RM, et al. **Arch Intern Med** 1982 Jan;142(1):73–5

Eosinophilic fasciitis. Immunopathology, ultrastructure, literature review, and consideration of its pathogenesis and relation to scleroderma. Cramer SF, et al. **Arch Pathol Lab Med** 1982 Feb;106(2):85–91 (43 ref.)

Eosinophilic pustular folliculitis. Cutler TP. **Clin Exp Dermatol** 1981 May;6(3):327–32

Increased eosinophil colony formation in agar by haemopoietic cells from patients with the hypereosinophilic syndrome. Hellmann A, et al. **Clin Lab Haematol** 1981; 3(3):205–13

Eosinophil, eosinophilia, and eosinophilic disorders. Tavassoli M. **CRC Crit Rev Clin Lab Sci** 1981;16(1):35–83 (350 ref.)

Hypereosinophilic syndrome. Sánchez JL, et al. **Cutis** 1982 May;29(5):490–2, 494

Tumour-associated eosinophilia: a review. Lowe D, et al. **J Clin Pathol** 1981 Dec;34(12):1343–8 (114 ref.)

Recurrent incapacitating mucosal ulcerations. A prodrome of the hypereosinophilic syndrome. Leiferman KM, et al. **JAMA** 1982 Feb 19;247(7):1018–20

Eosinophilic fasciitis: an ultrastructural and immunohistochemical study of the intermediate filament protein skeletin in regenerating muscle fibres. Thornell LE, et al. **Neuropathol Appl Neurobiol** 1981 Nov-Dec; 7(6):435–49

Lymphocytic lymphoma, hypereosinophilia and endomyocardial fibrosis [clinical conference] Jacobs P, et al. **S Afr Med J** 1982 May 8;61(19):711–3

Eosinophilic gastroenteritis. Carmichael JL, et al. **South Med J** 1982 Jun;75(6):742–4

Eosinophilic fasciitis. Ultrastructural study of an early biopsied case. Janin-Mercier A, et al. **Virchows Arch [Pathol Anat]** 1981;394(1-2):177–84

[Eosinophilic endocarditis and endomyocardial fibrosis—a report of 4 cases (author's transl)] Gu JN. **Chung Hua Hsin Hsueh Kuan Ping Tsa Chih** 1981 Dec; 9(4):273–4 **(Chi)**

[Angiolymphoid hyperplasia with eosinophilia] Daugaard S, et al. **Ugeskr Laeger** 1982 Mar 22;144(12):869–70 (Eng. Abstr.) **(Dan)**

[Angiolymphoid hyperplasia with eosinophilia] Stavrianeas N, et al. **Ann Dermatol Venereol** 1981;108(10):769–71 (Eng. Abstr.) **(Fre)**

[Eosinophilic fasciitis. Apropos of a case with an ultrastructural study] Bussière JL, et al. **Rev Rhum Mal Osteoartic** 1981 Oct;48(10):651–7 **(Fre)**

[Diagnosis of Shulman syndrome by percutaneous needle biopsy] Vinceneux P, et al. **Rev Rhum Mal Osteoartic** 1982 Mar 25;49(4):307–8 **(Fre)**

[Eosinophilic cellulitis] Panizzon R. **Hautarzt** 1981 Sep; 32(9):471–3 **(Ger)**

[Diffuse fasciitis with eosinophilia] Mensing H, et al. **MMW** 1982 Jun 25;124(25):617–8 **(Ger)**

[Eosinophilic esophagitis, a rare manifestation of eosinophilic gastroenteritis] Münch R, et al. **Schweiz Med Wochenschr** 1982 May 15;112(20):731–4 (Eng. Abstr.) **(Ger)**

[Contribution to the morphology and pathogenesis of eosinophilic colitis (author's transl)] Dumke K, et al. **Z Gastroenterol** 1981 Oct;19(10):646–54 (Eng. Abstr.) **(Ger)**

[Diffuse fasciitis with eosinophilia (Shulman-syndrome) (author's transl)] Mensing H, et al. **Z Hautkr** 1982 May 15;57(10):707–17 **(Ger)**

[Eosinophilic spongiosis. Report of two cases] Bordas X, et al. **Actas Dermosifiliogr** 1981 Mar-Apr;72(3-4):119–32 (28 ref.) (Eng. Abstr.) **(Spa)**

[Idiopathic eosinophilic pleuritis [letter] Rubies-Prat J, et al. **Med Clin (Barc)** 1982 Apr 1;78(7):302–3 **(Spa)**

[Eosinophilic fasciitis. Study of 1 patient] Martínez Ortiz de Zárate JM, et al. **Rev Clin Esp** 1982 Jan 15;164(1):61–3 **(Spa)**

PHYSIOPATHOLOGY

Stimulation or activation of eosinophils in vivo during eosinophilia: possible role of arachidonic acid metabolism. Bass DA, et al. **Adv Exp Med Biol** 1982;141:509–18

Increased heparin requirement with hypereosinophilic syndrome. Hanowell ST, et al. **Anesthesiology** 1981 Oct; 55(4):450–2

Case reports. Axoplasma transport obstruction in eosinophilia and in Coats disease. Leys A, et al. **Bull Soc Belge Ophtalmol** 1980;191:1–4

Unusual manifestations of hypereosinophilia. Winkler CF, et al. **South Med J** 1981 Nov;74(11):1401–3

RADIONUCLIDE IMAGING

Sequential liver imaging in the hypereosinophilic syndrome [letter] Miller EI. **Clin Nucl Med** 1981 Oct;6(10):506

SURGERY

Successful surgical treatment of two patients with eosinophilic endomyocardial disease. Davies J, et al. **Br Heart J** 1981 Oct;46(4):438–45

THERAPY

Plasma exchange or leukapheresis in the hypereosinophilic syndrome [letter] Davies J, et al. **Ann Intern Med** 1982 Jun;96(6 Pt 1):791

VETERINARY

Eosinophilic enteritis in the dog: a case report with a brief review of the literature. Quigley PJ, et al. **J Comp Pathol** 1981 Jul;91(3):387–92

EOSINOPHILIA, PULMONARY see **PULMONARY EOSINOPHILIA**

EOSINOPHILIA, TROPICAL see **PULMONARY EOSINOPHILIA**

EOSINOPHILIC GRANULOMA

[Eosinophilic granuloma of bone] Heitner H, et al. **Beitr Orthop Traumatol** 1981 Jul;28(7):373–81 (Eng. Abstr.) **(Ger)**

COMPLICATIONS

Eosinophilic granuloma occurring in a patient with Hodgkin disease. L'Hoste RJ Jr, et al. **Hum Pathol** 1982 Jun; 13(6):592–5

DIAGNOSIS

Acute eosinophilic interstitial nephritis and sarcoidosis [letter] Andreoli SP, et al. **Arch Pathol Lab Med** 1981 Nov; 105(11):626–7

Primary eosinophilic granuloma of the larynx. Friedmann I, et al. **J Laryngol Otol** 1981 Dec;95(12):1249–54

Eosinophilic granuloma of lung. Clinical aspects of primary histiocytosis in the adult. Friedman PJ, et al. **Medicine (Baltimore)** 1981 Nov;60(6):385–96

Pulmonary eosinophilic granuloma complicating pregnancy. Lavin JP Jr, et al. **Obstet Gynecol** 1981 Oct;58(4):516–9

[Eosinophilic granuloma] Pražák P. **Cesk Otolaryngol** 1981 Aug;30(4):240–3 (Eng. Abstr.) **(Cze)**

DRUG THERAPY

Penicillamine in eosinophilic granuloma. Petheram IS, et al. **Br J Dis Chest** 1981 Oct;75(4):410–2

ETIOLOGY

[Onchocerciasis and pseudo-neoplastic eosinophil granuloma of the facial bones (author's transl)] Gandon J, et al. **Ann Otolaryngol Chir Cervicofac** 1981;98(9):457–9 (Eng. Abstr.) **(Fre)**

[Multiple eosinophilic granulomas of the bones in diabetes insipidus. Borderline forms of histiocytosis X in the adult] Rousset H, et al. **Rev Med Interne** 1981;2(4):435–41 **(Fre)**

METABOLISM

Lipid synthesis and storage by histiocytes X. Study 'in vitro' for eosinophilic granuloma. Barbey S, et al. **Pathol Biol (Paris)** 1982 Mar;30(3):147–50

PARASITOLOGY

Pentastomiasis. Prathap K. **Ann Acad Med Singapore** 1981 Jan;10(1):132–5

PATHOLOGY

A pathological study on eosinophilic lymphfolliculoid granuloma (Kimura's disease). Ishikawa E, et al. **Acta Pathol Jpn** 1981 Sep;31(5):767–81

Pulmonary eosinophilic granuloma: electron microscopic detection of X-bodies on lung lavage cells and transbronchoscopic lung biopsy in one patient. Kuliberg FC, et al. **Ann Intern Med** 1982 Feb;96(2):188–9

A limited form of Churg-Strauss syndrome: ocular and cutaneous manifestations. Nissim F, et al. **Arch Pathol Lab Med** 1982 Jun;106(6):305–7

Eosinophilic granuloma of femoral bone. Oza RM, et al. **J Indian Med Assoc** 1982 Feb 16;78(4):71–2

Diffuse eosinophilic gastritis. Pausawasdi A, et al.

J Med Assoc Thai 1982 Mar;65(3):151–7

Multiple progressive eosinophilic granuloma of the jaws. Granda FM, et al. **J Oral Maxillofac Surg** 1982 Mar; 40(3):174–8

Granuloblastomas of the stomach (so–called eosinophilic granulomas)–– a variant of fibrous histiocytomas? Bolck F, et al. **Pathol Res Pract** 1981 May;171(3–4):336–44

Eosinophilic ureteritis? Regional ureteritis with marked infiltration of eosinophils. Uyama T, et al. **Urology** 1981 Dec;18(6):615–7

[Electron microscopic findings in a case of eosinophilic granuloma – with emphasis on Langerhan's granules (author's transl)] Shishido S, et al. **Nippon Kyobu Shikkan Gakkai Zasshi** 1981 Sep; 19(9):652–63 (Eng. Abstr.) **(Jpn)**

[Parasitic eosinophilic granuloma of the appendix] Hański W. **Patol Pol** 1981;32(1):25–35 (Eng. Abstr.) **(Pol)**

[Submicroscopic structure of the cells of an eosinophilic granuloma of the jaw bones] Kleimenova NN, et al. **Stomatologiia (Mosk)** 1981;60(4):38–43 (Eng. Abstr.) **(Rus)**

RADIOGRAPHY

Orthopedic and rehabilitation aspects of eosinophilic granuloma. Bunch WH. **Am J Pediatr Hematol Oncol** 1981 Summer;3(2):151–6

Case report 199. Eosinophilic granuloma of the right third metacarpal. Jennings CD, et al. **Skeletal Radiol** 1982; 8(3):229–31

RADIONUCLIDE IMAGING

[Three cases of eosinophilic granuloma (author's transl)] Hokama Y, et al. **Rinsho Hoshasen** 1982 May;27(5):577–80 **(Jpn)**

RADIOTHERAPY

Radiotherapy for eosinophilic granuloma of bone. Pereslegin IA, et al. **Int J Radiat Oncol Biol Phys** 1981 Mar; 7(3):317–21

SURGERY

Unifocal eosinophilic granuloma of the temporal lobe. Greenwood SM, et al. **Surg Neurol** 1982 Jun;17(6):441–4

THERAPY

Eosinophil granuloma of the spine. Seimon LP. **J Pediatr Orthop** 1981;1(4):371–6

[Long–term results of treatment of eosinophilic granuloma in children] Horniaková M. **Rozhl Chir** 1981 Oct; 60(10):689–92 (Eng. Abstr.) **(Slo)**

VETERINARY

Cutaneous eosinophilic granuloma in a Labrador retriever. Turnwald GH, et al. **J Am Vet Med Assoc** 1981 Oct 15; 179(8):799–801

EOSINOPHILIC PNEUMONIA see **PULMONARY EOSINOPHILIA**

EOSINOPHILS

A case of chronic aneosinocytosis. Telerman A, et al. **Am J Hematol** 1982 Apr;12(2):187–97

Origin of crystalloid inclusions in macrophages II: evidence for derivation from eosinophil granulocyte breakdown. Ali BA, et al. **Br J Exp Pathol** 1981 Dec;62(6):662–8

Eosinophil count in premature infants. Sharma SC. **Indian J Pediatr** 1982 Jan–Feb;49(396):119–21

The use of the peroxidase reaction to obliterate staining of eosinophils by fluorescein–labelled conjugates. Kingston D, et al. **J Immunol Methods** 1981;44(2):191–8

A single–step method for the enrichment of murine peripheral blood eosinophils. Penttila IA, et al. **J Immunol Methods** 1982;51(1):119–23

Simultaneous isolation of bovine eosinophils and neutrophils on gradients of Percoll. Riding GA, et al. **J Immunol Methods** 1981;46(1):113–9

Eosinophiles in sputum [editorial] Bryan CS. **J SC Med Assoc** 1981 Jul;77(7):339–40

The sputum wet prep. Wilson FE. **J SC Med Assoc** 1981 Jul;77(7):317–9

Eosinophilic leukemoid reaction in pulmonary carcinoma. Varindani MK, et al. **NY State J Med** 1982 Mar;82(3):347–8

[Eosinophil response in albino rats to infection with Angiostrongylus cantonensis (author's transl)] Wen YF. **Chung Hua Min Kuo Wei Sheng Wu Chi Mien I Hsueh Tsa Chih** 1982 May;15(2):119–24 (Eng. Abstr.) **(Chi)**

[Eosinophil concentration in nasal secretion in bronchial asthma (letter)] Häcki M, et al. **Schweiz Med Wochenschr** 1981 Aug 15;111(33):1217–8 **(Ger)**

[Eosinophiluria as a simple diagnostic test of penicillin nephropathy (author's transl)] Pocecco M, et al. **Pediatr Med Chir** 1981 Jan–Feb;3(1):37–9 **(Ita)**

[Value of the eosinophil index for the diagnosis of allergic respiratory diseases] Rydzewski B, et al. **Otolaryngol Pol** 1981;35(2):113–6 (Eng. Abstr.) **(Pol)**

[Eosinophilic pleural exudate in chronic eosinophilic pneumonia (Carrington's pneumonia)] Puchala M, et al. **Vnitr Lek** 1981 Sep;27(9):889–94 (Eng. Abstr.) **(Slo)**

ANALYSIS

Spontaneous coronary artery dissection and eosinophilic inflammation: a cause and effect relationship? Robinowitz M, et al. **Am J Med** 1982 Jun;72(6):923–8

The isolation, identification and characterization of sulfated glycosaminoglycans synthesized in vitro by human eosinophils. Metcalfe DD, et al. **Biochim Biophys Acta** 1982 Apr 13;715(2):196–204

Uterine epithelial and eosinophil estrogen receptors in rats during the estrous cycle. Lee SH. **Histochemistry** 1982; 74(4):443–52

An immunofluorescent method for specific staining of eosinophil granule major basic protein. Filley WV, et al. **J Immunol Methods** 1981;47(2):227–38

Purification of human eosinophil–derived neurotoxin. Durack DT, et al. **Proc Natl Acad Sci USA** 1981 Aug;78(8):5165–9

In vitro generation of eosinophil chemotactic factor from human and murine mononuclear phagocytes. Czarnetzki BM. **Scand J Immunol** 1981;13(6):511–6

CLASSIFICATION

Human eosinophils and parasitic diseases. II. Characterization of two cell fractions isolated at different densities. De Simone C, et al. **Clin Exp Immunol** 1982 Apr;48(1):249–55

CYTOLOGY

Clonal origin of human erythro–eosinophilic colonies in culture. Nakahata T, et al. **Blood** 1982 Apr;59(4):857–64

In vitro culture of circulating CFUEOS from normal donors. Bjornson BH, et al. **Exp Hematol** 1982 Mar;10(3):271–6

Benzidine positive multicentric eosinophilic colonies in human blood mimicking erythroid bursts. Mortensen TM. **Exp Hematol** 1982 Jan;10(1):64–70

Medusa cells: cytostructure and cytochemistry of amoeboid eosinophils with pseudopod–like processes. Hanker JS, et al. **Histochem J** 1981 Nov;13(6):905–19

Morphology of the eosinophil in japanese quail. Witkowski A, et al. **Poult Sci** 1981 Jul;60(7):1587–90

Selective staining of eosinophils and their immature precursors in tissue sections and autoradiographs with Congo red. Grouls V, et al. **Stain Technol** 1981 Sep; 56(5):323–5

DRUG EFFECTS

Eosinophil leucocytic reactions from diethylcarbamazine in filariasis. Gustavson–Moringlane IL, et al. **Ann Trop Med Parasitol** 1981 Dec;75(6):615–21

[Oral glucose tolerance test and blood eosinophils (author's transl)] Cosson G, et al. **Ann Pharm Fr** 1982 Apr;40(1):33–5 (Eng. Abstr.) **(Fre)**

[Effect of Butecort and Flucinar ointments on various indicators of the hormonal system. I. Effect of the tested preparations on plasma ll–hydroxycorticosteroid level and absolute eosinophil count in peripheral blood] Kibler–Nockowska M. **Przegl Dermatol** 1981 Mar–Apr; 68(2):155–60 (Eng. Abstr.) **(Pol)**

ENZYMOLOGY

Characterization of the peroxidase in human eosinophils. Wever R, et al. **Adv Exp Med Biol** 1982;141:501–9

Eosinophil diamine oxidase activity in acute inflammation in humans. Herman JJ. **Agents Actions** 1982 Apr; 12(1–2):46–8

The conversion of leukotriene C4 to isomers of leukotriene B4 by human eosinophil peroxidase. Goetzl EJ. **Biochem Biophys Res Commun** 1982 May 31;106(2):270–5

Activities of enzymes that metabolize platelet–activating factor (1–Alkyl–2–acetyl–sn–glycero–3–phosphocholine) in neutrophils and eosinophils from humans and the effect of a calcium ionophore. Lee TC, et al. **Biochem Biophys Res Commun** 1982 Apr 29;105(4):1303–8

Cytochrome b–245 of neutrophils is also present in human monocytes, macrophages and eosinophils. Segal AW, et al. **Biochem J** 1981 Apr 15;196(1):363–7

Purification of horse eosinophil peroxidase. Jörg A, et al. **Biochim Biophys Acta** 1982 Feb 18;701(2):185–91

The killing of newborn larvae of Trichinella spiralis by eosinophil peroxidase in vitro. Buys J, et al. **Eur J Immunol** 1981 Oct;11(10):843–5

Arachidonic acid 15–lipoxygenase products from human eosinophils. Turk J, et al. **J Biol Chem** 1982 Jun 25; 257(12):7068–76

Augmentation of spontaneous macrophage–mediated cytolysis by eosinophil peroxidase. Nathan CF, et al. **J Exp Med** 1982 May 1;155(5):1291–308

Immunoelectron microscopic localization of catalase in human eosinophilic leukocytes. Iozzo RV, et al. **J Histochem Cytochem** 1982 Jul;30(7):697–701

Arming of mononuclear phagocytes by eosinophil peroxidase bound to Staphylococcus aureus. Ramsey PG, et al. **J Immunol** 1982 Jan;128(1):415–20

Human eosinophil lysophospholipase: the sole protein component of Charcot–Leyden crystals. Weller PF, et al. **J Immunol** 1982 Mar;128(3):1346–9

Expression of lysophospholipase activity by intact human eosinophils and their Charcot–Leyden crystals. Weller PF, et al. **Trans Assoc Am Physicians** 1981;94:165–71

Digestion of the fifth component of complement by eosinophil lysosomal enzymes. Production of eosinophil specific chemotactic activity. Ogawa H, et al. **Virchows Arch [Cell Pathol]** 1981;38(2):149–57

IMMUNOLOGY

In vitro enhancement of the helminthotoxic capacity of human blood eosinophils. Vadas MA, et al. **Aust J Exp Biol Med Sci** 1981 Dec;59(Pt 6):739–41

Activation of rat and human eosinophils by soluble factor(s) released by Schistosoma mansoni Schistosomula. Auriault C, et al. **Cell Immunol** 1982 Jan 1;66(1):59–69

The effect of disodium cromoglycate on rectal mucosal histamine release, eosinophil exudation and disease activity in active ulcerative colitis. Rampton DS, et al. **Clin Allergy** 1982 May;12(3):243–8

The experimental production of increased eosinophils in rat late–phase reactions. Lemanske RF Jr, et al. **Immunology** 1982 Mar;45(3):561–8

IgG and complement receptors on purified mouse eosinophils and neutrophils. López AF, et al. **Immunology** 1981 Aug; 43(4):779–86

Phagocytosis of mast cell granules by mononuclear phagocytes, neutrophils and eosinophils during anaphylaxis. Baggiolini M, et al. **Int Arch Allergy Appl Immunol** 1982 Mar;67(3):219–26

Antibody–dependent, cell–mediated cytotoxicity of nucleated mammalian cells by rat eosinophils and neutrophils. López AF, et al. **Int Arch Allergy Appl Immunol** 1982 Mar;67(3):200–5

Enhancement of human blood eosinophil cytotoxicity by semi–purified eosinophil colony–stimulating factor(s). Dessein AJ, et al. **J Exp Med** 1982 Jul 1;156(1):90–103

Cellular killing of microfilariae of Onchocerca volvulus: eosinophil and neutrophil–mediated immune serum–dependent destruction. Greene BM, et al. **J Immunol** 1981 Oct;127(4):1611–8

Isolation of neutrophils and eosinophils from the peripheral blood of cattle and comparison of their functional activities. Roth JA, et al. **J Immunol Methods** 1981;45(2):153–64

The ecology of eosinophils in schistosomiasis. Mahmoud AA. **J Infect Dis** 1982 May;145(5):613–22 (50 ref.)

The protective role of acquired host antigens during schistosome maturation. McLaren DJ, et al. **Parasite Immunol** 1982 Mar;4(2):129–48

In vitro cell adherence to newly excysted Fasciola hepatica: failure to affect their subsequent development in rats. Doy TG, et al. **Res Vet Sci** 1982 Jan;32(1):118–20

The role of eosinophils in tropical disease. McLaren DJ. **Semin Hematol** 1982 Apr;19(2):100–6 (65 ref.)

[Allergy and eosinophils (author's transl)] Takenaka T, et al. **Rinsho Byori** 1981 Dec;29(12):1185–93 (25 ref.) **(Jpn)**

METABOLISM

Toxic effects of human eosinophil products on isolated rat heart cells in vitro. Tai PC, et al. **Biochem J** 1982 Apr 15;204(1):75–80

Evidence that eosinophils catalyze the bromide–dependent decarboxylation of amino acids. Cramer R, et al. **Blood** 1981 Dec;58(6):1112–8

Metabolic heterogeneity of eosinophils from normal and hypereosinophilic patients. Pincus SH, et al. **Blood** 1981 Dec;58(6):1175–81

The effects of an ECF–A and formyl methionyl chemotactic peptides on oxidative metabolism of human eosinophils and neutrophils. Beswick PH, et al. **Clin Exp Immunol** 1981 Feb;43(2):399–407

Peroxidase and phospholipid deficiency in human eosinophilic granulocytes––a marker in population genetics. Presentey B, et al. **Experientia** 1982 May 15;38(5):628–9

Leukotriene generation by eosinophils. Jörg A, et al. **J Exp Med** 1982 Feb 1;155(2):390–402

Eosinophil peroxidase–mediated inactivation of leukotrienes B4, C4, and D4. Henderson WR, et al. **J Immunol** 1982 Jun;128(6):2609–13

Inhibition of antibody–dependent eosinophil–mediated cytotoxicity by heparin. Kierszenbaum F, et al. **J Immunol** 1982 Jan;128(1):515–7

Superoxide production by eosinophils: activation by histamine. Pincus SH, et al. **J Invest Dermatol** 1982 Jul; 79(1):53–7

Identification by immunofluorescence of eosinophil granule major basic protein in lung tissues of patients with bronchial asthma. Filley WV, et al. **Lancet** 1982 Jul 3;2(8288):11–6

Hemodialysis–induced increase in serum lactoferrin and serum eosinophil cationic protein as signs of local neutrophil and eosinophil degranulation. Hällgren R, et al. **Nephron** 1981;29(5–6):233–8

The microbicidal mechanisms of human neutrophils and eosinophils. Root RK, et al. **Rev Infect Dis** 1981 May–Jun; 3(3):565–98 (313 ref.)

PATHOLOGY

Intranuclear crystalloids associated with abnormal granules in eosinophilic leukocytes. Parmley RT, et al. **Blood** 1981 Dec;58(6):1134–40

Detection of luxol–fast–blue positive cells in human promyelocytic leukemia cell line HL–60. Lu L, et al. **Exp Hematol** 1981 Oct;9(9):887–92

Intraepithelial eosinophils: a new diagnostic criterion for reflux esophagitis. Winter HS, et al. **Gastroenterology** 1982 Oct;83(4):818–23

The eosinophilic and amyloid–like materials in adenomatoid odontogenic tumor. Moro I, et al. **J Oral Pathol** 1982 Apr;

11(2):138–50
Infantile acropustulosis with eosinophilic pustules. Lucky AW, et al. **J Pediatr** 1982 Mar;100(3):428–9
Eosinophils and immunologic lung disease. Schatz M, et al. **Med Clin North Am** 1981 Sep;65(5):1055–71 (76 ref.)
[Eosinophilic pustular folliculitis (author's transl)] Kasai Y, et al. **Nippon Hifuka Gakkai Zasshi** 1981 Sep; 91(10):1029–35 **(Jpn)**

PHYSIOLOGY

Stimulation or activation of eosinophils in vivo during eosinophilia: possible role of arachidonic acid metabolism. Bass DA, et al. **Adv Exp Med Biol** 1982;141:509–18
Eosinophil mediated necrosis in a malignant fibrous histiocytoma. Ghadially FN, et al. **Ann Pathol** 1982; 2(1):57–9
The eosinophil and the lung. Schatz M, et al. **Arch Intern Med** 1982 Aug;142(8):1515–9
Hepatic eosinophil granulocytopoiesis in murine experimental Schistosomiasis mansoni. Borojevic R, et al. **Br J Exp Pathol** 1981 Oct;62(5):480–9
Cervical carcinoma and eosinophil I. Eosinophil chemotactic factor derived from invasive cervical carcinoma with eosinophil infiltration. Inoue T, et al. **Clin Immunol Immunopathol** 1981 Dec;21(3):320–31
Surface charge of eosinophils. Binding of cationic particles and measurement of cellular electrophoretic mobility. Pimenta PF, et al. **Histochemistry** 1982;74(4):569–76
Lymphokine-mediated stimulation of eosinophil migration in the guinea-pig. van den Berg WB, et al. **Immunology** 1981 Nov;44(3):481–8
Eosinophilic granulocytes and skin disorders. Berretty PJ, et al. **Int J Dermatol** 1981 Oct;20(8):531–40 (61 ref.)
Arachidonic acid metabolism of the murine eosinophil. II. Involvement of the lipoxygenase pathway in the response to the lymphokine eosinophil stimulation promoter. Rand TH, et al. **J Immunol** 1982 Sep;129(3):1239–44
Cell adherence to larvae of Dictyocaulus viviparus in vitro. Knapp NH, et al. **Res Vet Sci** 1981 Nov;31(3):389–91
Molecular and cellular properties of eosinophils. (A review). Smith JA. **Ric Clin Lab** 1981 Jul–Sep;11(3):181–93 (137 ref.)
[Adsorptive endocytosis of proteins by eosinophil granulocytes in small intestine mucosa] Heine H, et al. **Naturwissenschaften** 1982 Apr;69(4):185–7 **(Ger)**
[Cerebrospinal fluid eosinophils in inflammatory processes of the central nervous system and its coverings] Machado LR, et al. **Arq Neuropsiquiatr** 1981 Dec;39(4):384–9 (Eng. Abstr.) **(Por)**

ULTRASTRUCTURE

Membrane marker characterization of the eosinophil colony-forming cell. Butterfield JH, et al. **Br J Haematol** 1982 Jun;51(2):209–16
The mechanisms which produce vacuolated and degranulated eosinophils. Tai PC, et al. **Br J Haematol** 1981 Oct;49(2):219–26
Eosinophil, eosinophilia, and eosinophilic disorders. Tavassoli M. **CRC Crit Rev Clin Lab Sci** 1981;16(1):35–83 (350 ref.)
Bullous pemphigoid, an ultrastructural study of the inflammatory response: eosinophil, basophil and mast cell granule changes in multiple biopsies from one patient. Dvorak AM, et al. **J Invest Dermatol** 1982 Feb;78(2):91–101
Autotransplantation of hepatic granulomas into the skin of mice with Schistosoma mansoni infection. Nishimura M, et al. **J Invest Dermatol** 1982 Sep;79(3):153–7
Ultrastructural study of the specific granule of the human eosinophil. Okuda M, et al. **J Submicrosc Cytol** 1981 Jul; 13(3):465–71
Ultrastructure and cytochemistry of the cell surface of eosinophils. Pimenta PF, et al. **J Submicrosc Cytol** 1982 Apr;14(2):227–37
[Morphological studies of bone marrow neutrophilic and acidophilic granulocytes of white rate during stimulated leukopoiesis] Tochman A, et al. **Acta Haematol Pol** 1981 Jul–Dec;12(3–4):185–96 (Eng. Abstr.) **(Pol)**

EPENDYMA

ANALYSIS

Immunocytochemical demonstration of vimentin in astrocytes and ependymal cells of developing and adult mouse nervous system. Schnitzer J, et al. **J Cell Biol** 1981 Aug;90(2):435–47

ANATOMY & HISTOLOGY

Morphology of the rat brain ventricles, ependyma, and periventricular structures. Mitro A, et al. **Bibl Anat** 1981; (21):1–110
Micromorphology of the third ventricular ependyma and infundibular recess in the mud-eel Amphipnous cuchia (Ham.). Thomas PC, et al. **J Hirnforsch** 1982;23(1):101–7
Pineal innervation of the third ventricular ependyma in the teleost, Puntius sophore (Ham.). Sathyanesan AG, et al. **J Neural Transm** 1982;53(2–3):187–92

BLOOD SUPPLY

[Development and functional morphology of the ependymal blood vessels of the lumbosacral spinal cord in human postnatal ontogeny] Bakhtinov AP. **Arkh Anat Gistol Embriol** 1981 Oct;81(10):42–6 (Eng. Abstr.) **(Rus)**

CYTOLOGY

A Golgi–Cox study of tanycytes in the hypothalamic region of the third ventricle in the wild rat, Rattus rattus rattus (L.). Joy KP, et al. **Acta Anat (Basel)** 1981;111(4):296–304
Recognition of Bergmann glial and ependymal cells in the mouse nervous system by monoclonal antibody. Sommer I, et al. **J Cell Biol** 1981 Aug;90(2):448–58
Morphology of radial glia, ependymal cells, and periventricular neurons in the optic tectum of goldfish (Carassius auratus). Stevenson JA, et al. **J Comp Neurol** 1982 Feb 20;205(2):128–38
[Histological and ultrastructural observations on ependymal tanycytes of the optic tectum of the Triturus] Ciani F, et al. **Arch Ital Anat Embriol** 1981;86(1–2):147–62 (Eng. Abstr.) **(Ita)**

EMBRYOLOGY

An electron microscopic study of the development of the ependyma of the central canal of the mouse spinal cord. Sturrock RR. **J Anat** 1981 Jan;132(Pt 1):119–36

ENZYMOLOGY

Cytochemical study on enzyme activity associated with cerebrospinal fluid secretion in the choroid plexus and ventricular ependyma. Masuzawa T, et al. **Brain Res** 1981 Oct 19;222(2):309–22

METABOLISM

Ependymal reaction to stab wounds in rat brains –Immunocytochemical study with antiserum to astroprotein–. Yoshimine T, et al. **Neurol Med Chir (Tokyo)** 1982 Jan;22(1):19–23
Viral receptors on isolated murine and human ependymal cells. Tardieu M, et al. **Science** 1982 Jan 22; 215(4531):419–21
[Lipid spectrum of the periventricular area of the mediobasal hypothalamus and its ependyma] Gribanov GA, et al. **Zh Obshch Biol** 1981 Jul–Aug;42(4):603–9 (Eng. Abstr.) **(Rus)**

MICROBIOLOGY

Cytadsorption of Mycoplasma pulmonis to rat ependyma. Kohn DF, et al. **Infect Immun** 1981 Oct;34(1):292–5

RADIATION EFFECTS

[Autoradiographic study of cell kinetics after whole-body x-ray irradiation. II. Study of the patterns of the postradiation death of differentiating and proliferating cells in the subependymal zone of the rat brain] Gracheva ND. **Tsitologiia** 1982 Mar;24(3):278–86 (Eng. Abstr.) **(Rus)**
[Autoradiographic study of cell kinetics after whole-body x-ray irradiation. I. Study of the mode of death of lethally damaged proliferating cells in the subependymal zone of the rat brain] Gracheva ND. **Tsitologiia** 1982 Mar; 24(3):270–7 (Eng. Abstr.) **(Rus)**
[Autoradiographic study of cell kinetics after whole-body x-ray irradiation. III. A study of the postradiation changes in mitotic activity and the mitotic cycle of the subependymal cells of the rat brain] Gracheva ND. **Tsitologiia** 1982 Apr;24(4):405–11 (Eng. Abstr.) **(Rus)**

ULTRASTRUCTURE

Scanning and transmission electron microscopy of the ependyma of the fourth ventricle in the monkey brain. Singh DR, et al. **Acta Anat (Basel)** 1982;112(4):365–75
Supraependymal cells in the third ventricle of Poecilia sphenops. Kriebel RM. **Anat Anz** 1982;151(1):82–6
Ependymal cells of the filum terminale in fish (Poecilia sphenops) adapted to freshwater and saltwater: electron microscopic study. Kriebel RM. **Anat Rec** 1981 Sep; 201(1):189–95
Spinous extensions on ciliary necklaces in ependymal cells. Kroh H, et al. **Cell Tissue Res** 1981;219(1):217–20
The freeze-fractured median eminence. I. Development of intercellular junctions in the ependyma of the 3rd ventricle of the rat. Monroe BG, et al. **Cell Tissue Res** 1982; 222(2):389–408
Ependyma and meninges of the spinal cord of the mouse. A light-and electron-microscopic study. Seitz R, et al. **Cell Tissue Res** 1981;220(1):61–72
Intercellular junctions between specialized ependymal cells in the subcommissural organ of the rat. Gotow T, et al. **J Neurocytol** 1982 Jun;11(3):363–79
Fine structural studies on ependymal paracellular and capillary transcellular permeability in the subcommissural organ of the guinea pig. Gotow T, et al. **J Neurocytol** 1982 Jun;11(3):447–62
Graded differences in tightness of ependymal intercellular junctions within and in the vicinity of the rat median eminence. Gotow T, et al. **J Ultrastruct Res** 1981 Sep; 76(3):293–311
Specialized ependymal ridges in the cerebral aqueduct of the rat. Welsh MG, et al. **Neurosci Lett** 1981 Nov 18;27(1):1–6
Pathogenicity of influenza A virus in ependymal organ culture. Kohn DF, et al. **Teratology** 1981 Oct;24(2):201–13

EPENDYMOMA

COMPLICATIONS

Subarachnoid haemorrhage from tumours of the cauda. Carella A, et al. **Acta Neurol (Napoli)** 1981 Dec;36(6):750–3
Recurrent abdominal pains as the first symptom of a spinal cord tumor. Eeg-Olofsson O, et al. **Acta Paediatr Scand** 1981 Jul;70(4):595–7
An unusual cause of sciatica and back pain: ependymoma of the cauda equina. Case report. Wiss DA. **J Bone Joint Surg [Am]** 1982 Jun;64(5):772–3
Quadrigeminal plate compression caused by a pulsion diverticulum. Kapila A, et al. **J Clin Neuro Ophthalmol** 1981 Jun;1(2):135–40
[Observations on a case of ependymoma of the 3d ventricle with hyperprolactinemic amenorrhea] Peris C, et al. **Minerva Ginecol** 1981 Jun;33(6):582–5 **(Ita)**
[Diagnosis of spondylogenic and neoplastic compression-ischemic radiculomyelopathies located in the thoraco-lumbo-sacral area] Makarov AIu, et al. **Zh Vopr Neirokhir** 1981 Jul–Aug;(4):52–5 **(Rus)**
[Spontaneous subarachnoid hemorrhage in ependymoma] Kalina P, et al. **Cesk Neurol Neurochir** 1981 Jul;44(4):230–5 (Eng. Abstr.) **(Slo)**

DIAGNOSIS

Extraspinal ependymoma at the cervicothoracic junction. Yu YL, et al. **Surg Neurol** 1982 Mar;17(3):160–2
[Meningeal irritation as (mis)leading symptom] van Meer GA, et al. **Ned Tijdschr Geneeskd** 1982 Jun 5;126(23):1039–41 (Eng. Abstr.) **(Dut)**
[Choroid plexus papilloma (author's transl)] Motte J, et al. **Arch Fr Pediatr** 1981 Nov;38(9):705–7 (Eng. Abstr.) **(Fre)**
[Papilloma of the choroid plexus in an infant] Kostrzewski JM, et al. **Pediatr Pol** 1981 Aug;56(8):965–7 **(Pol)**

ETIOLOGY

[Choroid plexus carcinoma—case report (author's transl)] Sugiura M, et al. **No Shinkei Geka** 1981 Sep;9(10):1199–204 (Eng. Abstr.) **(Jpn)**

FAMILIAL & GENETIC

Cytogenetic analysis and flow cytometric DNA measurement of a human tumor with pronounced hypodiploidy. Petersen SE, et al. **Cancer Genet Cytogenet** 1981 Aug;4(1):1–9

PATHOLOGY

Reliability of computed tomography in assessing histopathological features of malignant supratentorial gliomas. Lilja A, et al. **J Comput Assist Tomogr** 1981 Oct; 5(5):625–36
Tissue cultures of cerebellar tumors. Gullotta F. **Pathologica** 1981 Jan–Feb;73(1023):137–9
[Dorsal extramedullary ependymoma (author's transl)] Oliver B, et al. **Arch Neurobiol (Madr)** 1981 Jul–Aug;44(4):215–24 (Eng. Abstr.) **(Spa)**

PHYSIOPATHOLOGY

Thoracic spinal cord ependymoma presenting with ejaculatory failure. Case report. Berciano J, et al. **J Neurosurg** 1982 Jan;56(1):143–4

RADIOGRAPHY

Lumbosacral intradural tumours simulating disc disease. Postacchini F, et al. **Int Orthop** 1981;5(4):283–9
Intraspinal, extradural ependymoma. Seigel RS, et al. **J Comput Assist Tomogr** 1982 Feb;6(1):189–92
Clivus ependymoma. Taboada D, et al. **Neuroradiology** 1981; 22(1):43–5
Computed tomography of intracranial ependymomas. Swartz JD, et al. **Radiology** 1982 Apr;143(1):97–101

RADIOTHERAPY

Intracranial ependymoma: results of radiotherapy at the University of Kentucky. Chin HW, et al. **Cancer** 1982 Jun 1;49(11):2276–80
Radiation tolerance of the spinal cord previously-damaged by tumor and operation: long term neurological improvement and time-dose-volume relationships after irradiation of intraspinal gliomas. Kopelson G. **Int J Radiat Oncol Biol Phys** 1982 May;8(5):925–9
A comparative study of ependymomas by site of origin. Marks JE, et al. **Int J Radiat Oncol Biol Phys** 1982 Jan; 8(1):37–43

SECONDARY

[Extraneural metastasis of ependymoma—a case report and review of the literature (author's transl)] Itoh M, et al. **No Shinkei Geka** 1982 Jan;10(1):73–80 (Eng. Abstr.) **(Jpn)**

SURGERY

Laser vaporization on intracranial tumors. Gong-bai C. **Lasers Surg Med** 1981;1(3):235–40
The surgical treatment of choroid plexus papillomas: the results of 27 years experience. Guidetti B, et al.

Neurosurg Rev 1981;4(3):129–37

External ventricular drainage in the management of posterior fossa tumors in children and adolescents. Papo I, et al. **Neurosurgery** 1982 Jan;10(1):13–5

Ependymomas extending into both lateral ventricles: CT–diagnosis and operability. Afra D, et al. **Zentralbl Neurochir** 1981;42(4):255–62

[Systemic metastasis of brain tumors via ventriculoperitoneal shunt—report of two cases (author's transl)] Kayama T, et al. **Neurol Med Chir (Tokyo)** 1981 Nov;21(11):1177–82 (Eng. Abstr.) **(Jpn)**

ULTRASTRUCTURE

Ultrastructural findings in so–called ependymal rat tumors induced by transplacental administration of ethylnitrosourea (ENU). Mandybur TI, et al. **Acta Neuropathol (Berl)** 1982;57(1):51–8

Ultrastructure of subcutaneous sacrococcygeal myxopapillary ependymoma. Stern JB, et al. **Arch Pathol Lab Med** 1981 Oct;105(10):524–6

VETERINARY

Intramedullary spinal ependymoma in a dog. Zachary JF, et al. **Vet Pathol** 1981 Sep;18(5):697–700

EPERYTHROZOON

ULTRASTRUCTURE

Scanning and transmission electron microscopic observations of Eperythrozoon ovis (E. ovis). Ichijo S, et al. **Nippon Juigaku Zasshi** 1982 Feb;44(1):127–32

EPERYTHROZOONOSIS see under **ANAPLASMATACEAE INFECTIONS**

EPHEDRINE

Paranoid psychosis after abuse of Actifed. Leighton KM. **Br Med J [Clin Res]** 1982 Mar 13;284(6318):789–90

ADMINISTRATION & DOSAGE

Method of ephedrine administration and nausea and hypotension during spinal anesthesia for cesarean section. Datta S, et al. **Anesthesiology** 1982 Jan;56(1):68–70

Childhood serous otitis media: fifteen months' observations of children untreated compared with those receiving an antihistamine–adrenergic combination. O'Shea JS, et al. **Clin Pediatr (Phila)** 1982 Mar;21(3):150–3

The effects upon vigilance and reaction speed of the addition of ephedrine hydrochloride to chlorpheniramine maleate. Millar K, et al. **Eur J Clin Pharmacol** 1981;20(5):351–7

Labyrinthine vertigo treatment with ephedrine nasal douche. Shah KU, et al. **J Assoc Physicians India** 1981 Oct; 29(10):819–23

ADVERSE EFFECTS

Seizures associated with a new combination 'pick–me–up' pill [letter] Mueller SM, et al. **Ann Neurol** 1982 Mar; 11(3):322

Iododerma of the conjunctiva and skin. Kincaid MC, et al. **Ophthalmology (Rochester)** 1981 Dec;88(12):1216–20

[Exfoliative erythroderma after taking the Elsinore pill and accidental induction with ephedrine nose drops] Serup J. **Ugeskr Laeger** 1981 Jun 22;143(26):1660–2 (Eng. Abstr.) **(Dan)**

[Myoclonia caused by a combination of triprolidine, pseudoephedrine and paracetamol [letter]] Jacquesson M, et al. **Nouv Presse Med** 1982 Jun 26;11(30):2298–9 **(Fre)**

ANALOGS & DERIVATIVES

Dependence on Midol [letter] Babington MA, et al. **Arch Intern Med** 1982 Aug;142(8):1583

[Behavior of psychophysical test parameters in sympathomimetic therapy. Results of a double blind study] Moser L, et al. **Med Welt** 1981 Oct 9;32(41):1538–40 **(Ger)**

[Synthesis of N–alkylaminoephedrines and their effect on bronchial musculature (author's transl)] Takahashi H, et al. **Yakugaku Zasshi** 1981 Dec;101(12):1154–6 (Eng. Abstr.) **(Jpn)**

ANALYSIS

Measurement of pseudoephedrine hydrochloride dissolution using chloride–ion electrode. Chen ST, et al. **J Pharm Sci** 1981 Nov;70(11):1288–9

CHEMICAL SYNTHESIS

[Synthesis of N–alkylaminoephedrines and their effect on bronchial musculature (author's transl)] Takahashi H, et al. **Yakugaku Zasshi** 1981 Dec;101(12):1154–6 (Eng. Abstr.) **(Jpn)**

METABOLISM

Bioavailability of d–pseudoephedrine and azatadine from a repeat action tablet formulation. Lin C, et al. **J Int Med Res** 1982;10(2):122–5

Comparative bioavailability of d–pseudoephedrine from a conventional d–pseudoephedrine sulfate tablet and from a repeat action tablet. Lin C, et al. **J Int Med Res** 1982; 10(2):126–8

PHARMACODYNAMICS

A study of the thermic responses to a meal and to a sympathomimetic drug (ephedrine) in relation to energy balance in man. Morgan JB, et al. **Br J Nutr** 1982 Jan; 47(1):21–32

Dopamine–like properties of ephedrine in rat brain. Zarrindast MR. **Br J Pharmacol** 1981 Sep;74(1):119–22

Selected cardiac and metabolic responses to pseudoephedrine with exercise. Bright TP, et al. **J Clin Pharmacol** 1981 Nov–Dec;21(11–12 Pt 1):488–92

Thermogenic and anorectic effects of ephedrine and congeners in mice and rats. Arch JR, et al. **Life Sci** 1982 May 24;30(21):1817–26

POISONING

Intracranial haemorrhage in association with pseudoephedrine overdose. Loizou LA, et al. **J Neurol Neurosurg Psychiatry** 1982 May;45(5):471–2

THERAPEUTIC USE

A study of sustained action pseudoephedrine in allergic rhinitis. Hamilton LH, et al. **Ann Allergy** 1982 Feb; 48(2):87–92

Daytime enuresis [letter] Barton JL, et al. **Br J Psychiatry** 1982 Mar;140:325

Prophylactic intramuscular ephedrine before epidural anaesthesia for caesarean section: efficacy and actions on the fetus and newborn. Rolbin SH, et al. **Can Anaesth Soc J** 1982 Mar;29(2):148–53

An antihistamine–sympathomimetic combination in the treatment of hayfever. A report fom the General Practitioner Research Group. **Practitioner** 1981 Jun; 225(1356):929–31

URINE

[Structural changes in ephedrine during its isolation] Slechtová R, et al. **Soud Lek** 1982 May;27(2):27–31 (Eng. Abstr.) **(Cze)**

EPHEMERAL FEVER

ETIOLOGY

The pathogenesis of bovine ephemeral fever virus infection of adult mice. Young PL, et al. **J Comp Pathol** 1981 Jul; 91(3):369–79

EPICHLOROHYDRIN see under **CHLOROHYDRINS**

EPICILLIN see under **AMPICILLIN**

EPICONDYLITIS, LATERAL HUMERAL see **TENNIS ELBOW**

EPIDEMIC PAROTITIS VIRUS see **MUMPS VIRUS**

EPIDEMICS see **DISEASE OUTBREAKS**

EPIDEMIOLOGIC METHODS

see related

MASS SCREENING

Epidemiology and mental health services: principles and applications in developing countries. **Acta Psychiatr Scand [Suppl]** 1982;296:1–93

Epidemiological surveys in developing countries. Potential and constraints. Baasher TA. **Acta Psychiatr Scand [Suppl]** 1982;296:45–51

An epidemiological approach to the improvement of mental health services in developing countries. Giel R. **Acta Psychiatr Scand [Suppl]** 1982;296:56–63

The application of the epidemiological method in psychiatry. Shepherd M. **Acta Psychiatr Scand [Suppl]** 1982;296:9–16

The significance of epidemiological measurements for immunodiagnosis and protective immunity. Aalund O. **Adv Exp Med Biol** 1981;137:109–44

Difficulties in interstudy comparisons of coronary disease rates [letter] Gillum RF. **Am Heart J** 1981 Nov; 102(5):947–8

Epidemiological studies in the elderly: methodological considerations. Exton–Smith AN. **Am J Clin Nutr** 1982 May;35(5 Suppl):1273–9

Comments on the assessment of nutritional status in epidemiological studies and surveys of populations. Stallones RA. **Am J Clin Nutr** 1982 May;35(5 Suppl):1290–1

Guidelines for documentation of epidemiologic studies. Epidemiology Work Group of the Interagency Regulatory Liaison Group. **Am J Epidemiol** 1981 Nov;114(5):609–13

Commentary: the Interagency Regulatory Liaison Group 'Guidelines for Documentation of Epidemiologic Studies'. Joint Committee on Governmental Affairs of the Epidemiology Section (American Public Health Association) and the Society for Epidemiologic Research. **Am J Epidemiol** 1981 Nov;114(5):614–8

Cost of case–control studies. Brittain E, et al. **Am J Epidemiol** 1981 Aug;114(2):234–43

Additional power computations for designing comparative Poisson trials. Brown CC, et al. **Am J Epidemiol** 1982 May; 115(5):752–8

Some further results concerning regression to the mean. Chinn S, et al. **Am J Epidemiol** 1981 Dec;114(6):902–5

The epidemiologic importance of psychosocial factors in longevity. Cohen JB, et al. **Am J Epidemiol** 1981 Oct; 114(4):451–61 (77 ref.)

Use of relative operating characteristic analysis in epidemiology. A method for dealing with subjective judgement. Erdreich LS, et al. **Am J Epidemiol** 1981 Nov; 114(5):649–62

Jackknifing functions of multinomial frequencies, with an application to a measure of concordance. Fleiss JL, et al. **Am J Epidemiol** 1982 Jun;115(6):841–5

A comparison of the Sphygmetrics SR–2 Automatic Blood Pressure Recorder to the mercury sphygmomanometer in population studies. Fortmann SP, et al. **Am J Epidemiol** 1981 Dec;114(6):836–44

The performance of three approximate confidence limit methods for the odds ratio. Gart JJ, et al. **Am J Epidemiol** 1982 Mar;115(3):453–70

Should dead cases be matched to dead controls? Gordis L. **Am J Epidemiol** 1982 Jan;115(1):1–5

The effect of misclassification in matched–pair case–control studies. Greenland S. **Am J Epidemiol** 1982 Aug; 116(2):402–6

Are case–control studies more vulnerable to response bias? Greenland S, et al. **Am J Epidemiol** 1981 Aug;114(2):175–7

Validity of Bernoulli census, log–linear, and truncated binomial models for correcting for underestimates in prevalence studies. Hook EB, et al. **Am J Epidemiol** 1982 Jul;116(1):168–76

Pontiac fever: isolation of the etiologic agent (Legionella pneumophilia) and demonstration of its mode of transmission. Kaufmann AF, et al. **Am J Epidemiol** 1981 Sep;114(3):337–47

Regression toward the mean in a two–stage selection program. McMahan CA. **Am J Epidemiol** 1982 Aug; 116(2):394–401

Confounding: essence and detection. Miettinen OS, et al. **Am J Epidemiol** 1981 Oct;114(4):593–603

Case definition in case–control studies of the efficacy of screening. Morrison AS. **Am J Epidemiol** 1982 Jan; 115(1):6–8

Reliability of recall of drug usage and other health–related information. Paganini–Hill A, et al. **Am J Epidemiol** 1982 Jul;116(1):114–22

Sample sizes for individually matched case–control studies: a group sequential approach. Pasternack BS, et al. **Am J Epidemiol** 1982 May;115(5):778–84

An example of sample size determination for family studies. Pickle LW, et al. **Am J Epidemiol** 1981 Sep;114(3):299–303

Induction and latent periods. Rothman KJ. **Am J Epidemiol** 1981 Aug;114(2):253–9

'Overadjustment in case–control studies' [letter] Thompson WD. **Am J Epidemiol** 1982 May;115(5):797–801

Models of varying parametric form in case–referent studies. Walker AM, et al. **Am J Epidemiol** 1982 Jan;115(1):129–37

A two stage design for the study of the relationship between a rare exposure and a rare disease. White JE. **Am J Epidemiol** 1982 Jan;115(1):119–28

Regression analysis of matched case–control data. Woolson RF, et al. **Am J Epidemiol** 1982 Mar;115(3):444–52

Changes in age and sex specific tonsillectomy rates: United States, 1970–1977. Freeman JL, et al. **Am J Public Health** 1982 May;72(5):488–91

Obtaining hospital and physician participation in a case–control study of colon cancer. Herrmann N, et al. **Am J Public Health** 1981 Dec;71(12):1314–9

A prospective study of response error in food history questionnaires: implications for foodborne outbreak investigation. Mann JM. **Am J Public Health** 1981 Dec; 71(12):1362–6

Streptococcus mutans approximal plaque index as a new epidemiologic tool for defining the parameters of Streptococcus mutans infection in human populations. Keene HJ, et al. **Arch Oral Biol** 1981;26(5):345–55

Comparisons of confidence intervals for attributable risk. Leung HM, et al. **Biometrics** 1981 Jun;37(2):293–302

Maximum likelihood applied to a capture–recapture model. Sprott DA. **Biometrics** 1981 Jun;37(2):371–5

Confidence intervals for the odds ratio in case–control studies: a calculator program for Cornfield's method. Guess HA. **Comput Programs Biomed** 1982 Feb;14(1):73–6

When are studies adequate for regulatory purposes? View of one regulated. Bundy M. **Environ Health Perspect** 1981 Dec;42:67–72

Use of twins to study environmental effects. Christian JC. **Environ Health Perspect** 1981 Dec;42:103–6

Chromosomal methods in population studies. Conner MK, et al. **Environ Health Perspect** 1981 Dec;42:107–13 (40 ref.)

Extrapolation from occupational studies: a substitute for environmental epidemiology. Enterline PE. **Environ Health Perspect** 1981 Dec;42:39–44

Epidemiological studies for regulatory agencies. Hunt VR. **Environ Health Perspect** 1981 Dec;42:61–5

Epidemiologic detection of low dose effects on the developing fetus. Kline J, et al. **Environ Health Perspect** 1981 Dec;42:119–26

Who should provide research initiative and support? Kuller LH. **Environ Health Perspect** 1981 Dec;42:81–8

Detection of genetic effects of environmental agents. Murphy

EA. **Environ Health Perspect** 1981 Dec;42:127–36
Sensitivity of health endpoints: effect on conclusions of studies. Radford EP. **Environ Health Perspect** 1981 Dec; 42:45–50
Sensitive population subsets in relation to effects of low doses. Redmond CK. **Environ Health Perspect** 1981 Dec; 42:137–40
Problems in evaluating radiation dose via terrestrial and aquatic pathways. Vaughan BE, et al.
Environ Health Perspect 1981 Dec;42:149–61 (73 ref.)
Epidemiologic problems associated with exposure to several agents. Waxweiler RJ. **Environ Health Perspect** 1981 Dec; 42:51–6
Calculation of potential bias in the odds ratio illustrated by a study of saccharin use and bladder cancer. Goldsmith DF. **Environ Res** 1982 Apr;27(2):298–306
Research issues and directions in the epidemiology of health effects of disasters. Logue JN, et al. **Epidemiol Rev** 1981; 3:140–62 (102 ref.)
On rational use of the cross-sectional method in analysis of the dynamics of biological indices with aging. Pakin YV. **Exp Gerontol** 1981;16(2):177–82
Complementarity of statistics and balance of diseases. Devroede G. **Gastroenterology** 1982 Jul;83(1 Pt 1):142–3
August 1980 Symposium of the International Geographical Union Working Group on the Geography of Health. Proceedings. **Geogr Med** 1981;11:1–40
Magnitude of problem of poliomyelitis in India. Basu RN. **Indian Pediatr** 1981 Aug;18(8):507–11
Statistical test for possible infection outbreaks. Childress JA, et al. **Infect Control** 1981 May–Jun;2(3):247–9
Designing hospital infection studies. Kaiser DL.
Infect Control 1980 Jan–Feb;1(1):50–3
Microcomputer data entry in epidemiological research. Eckert RR, et al. **Int J Biomed Comput** 1982 Jan;13(1):9–18
Methods for the measurement of epidemic velocity from time-series data. Cliff A, et al. **Int J Epidemiol** 1982 Mar; 11(1):82–9
Considerations in determining matching criteria and stratum sizes for case-control studies. Greenland S, et al.
Int J Epidemiol 1981 Dec;10(4):389–92
Relative efficiencies of matched and unmatched designs [letter] Pike M, et al. **Int J Epidemiol** 1981 Dec;10(4):393–4
A generalised scan statistic test for the detection of clusters. Weinstock MA. **Int J Epidemiol** 1981 Sep;10(3):289–93
Limitations of the use of hospital statistics as an index of morbidity in environmental studies. Bennett AE.
J Air Pollut Control Assoc 1981 Dec;31(12):1276–8
Epidemiological approaches to natural history research. Antisocial disorders in children. Robins LN.
J Am Acad Child Psychiatry 1981 Summer;20(3):566–80
Epidemiological/longitudinal strategies and causal research in child psychiatry. Rutter M.
J Am Acad Child Psychiatry 1981 Summer;20(3):513–44
Methods in epidemiology. Stein Z, et al.
J Am Acad Child Psychiatry 1981 Summer;20(3):444–61
Falls among the elderly: a review of the methods and conclusions of epidemiologic studies. Perry BC.
J Am Geriatr Soc 1982 Jun;30(6):367–71
Multivariate estimation of exposure-specific incidence from case-control studies. Greenland S. **J Chronic Dis** 1981; 34(9–10):445–53
On summary estimators of relative risk. Tarone RE.
J Chronic Dis 1981;34(9–10):463–8
A comparison of statistical methods for evaluating risk factor changes in community-based studies: an example from the Stanford Three-Community Study. Williams PT, et al.
J Chronic Dis 1981;34(11):565–71
Area variations in infant mortality 1975–7. Bradshaw J, et al. **J Epidemiol Community Health** 1982 Mar;36(1):11–6
Five-year age-specific incidence rates. II: The accuracy of calculations of expected number of tumours. Cramer N, et al. **J Epidemiol Community Health** 1981 Jun;35(2):146–9
The epidemiology of sudden infant death syndrome. Murphy JF, et al. **J Epidemiol Community Health** 1982 Mar; 36(1):17–21
The accuracy of officially reported suicide statistics for purposes of epidemiological research. Sainsbury P, et al.
J Epidemiol Community Health 1982 Mar;36(1):43–8
Randomized response: a technique for improving the validity of self-reported health behaviors. Martin GL, et al.
J Sch Health 1982 Apr;52(4):222–6
Weighting for populations at risk and standardizing for age in alcohol research. Hyman MM. **J Stud Alcohol** 1981 Jul; 42(7):579–93
Genetic risks and environmental surveillance:
epidemiological aspects of monitoring industrial populations for environmental mutagens. Buffler PA, et al. **JOM** 1982 Apr;24(4):305–14
The health data base of a nationwide company – its use in epidemiological studies. Goldberg M, et al. **JOM** 1982 Jan; 24(1):47–52
Epidemiology in the workplace: the problem of misclassification. Tockman MS. **JOM** 1982 Jan;24(1):21–4
Methodological issues involving the standardized mortality ratio and proportionate mortality ratio in occupational studies. Wong O, et al. **JOM** 1982 Apr;24(4):299–304
The torments and blessings of the leprosy epidemiometric model. Lechat MF. **Lepr Rev** 1981 Dec;52 Suppl 1:187–96
A monitoring system for chronic diseases. Chen R, et al.
Methods Inf Med 1982 Apr;21(2):86–90
Epidemiologic methodology for nurses. Cook RL.
Milit Med 1981 Jul;146(7):469–72
Epidemiological assessment of dietary intake. James WP, et al. **Nutr Cancer** 1981;2(4):203–12 (53 ref.)
Choice of methods for gathering nutrition information. Tulinius H. **Nutr Cancer** 1981;2(4):200–2
A practical guide for non-epidemiologists. Wong O.
Occup Health Saf 1981 Oct;50(10):31–9
A practical guide for non-epidemiologists: part II. Wong O. **Occup Health Saf** 1981 Nov;50(11):21–6
Epidemiologic approaches to the study of cancer. Grufferman S.
Proc Annu Meet Med Sect Am Counc Life Insur 1981; 6:53–70
Risk modification in multifactorial studies: implications for cancer control. Dayal HH. **Prog Clin Biol Res** 1982; 83:175–83
The impact of interviewer variability in an epidemiological survey. O'Muircheartaigh CA, et al. **Psychol Med** 1981 Nov;11(4):817–24
The role of epidemiology in planning and evaluation. The British approach. Holland WW, et al.
Rev Epidemiol Sante Publique 1981;29(3):355–61
Some methodologic problems encountered in occupational health research. Olsen J. **Scand J Soc Med** 1981;9(1):19–24
Effects of approximation in exposure assessments on estimates of exposure- response relationships. Armstrong BG, et al.
Scand J Work Environ Health 1982;8 Suppl 1:20–3
A comment on the reference series with regard to multiple exposure evaluations in a case-referent study. Axelson O, et al. **Scand J Work Environ Health** 1982;8 Suppl 1:15–9
Analysis of a follow-up study: an example from asbestos-exposed insulation workers. Campbell MJ, et al.
Scand J Work Environ Health 1982;8 Suppl 1:43–7
Epidemiologic principles applied to injury prevention. Coleman PJ. **Scand J Work Environ Health** 1981;7 Suppl 4:91–6
Mortality study of workers employed at organochlorine pesticide manufacturing plants. Ditraglia D, et al.
Scand J Work Environ Health 1981;7 Suppl 4:140–6
Developing a national occupational health surveillance system in the United States. Frazier TM.
Scand J Work Environ Health 1981;7 Suppl 4:127–32
'Negative' results in cohort studies--how to recognize fallacies. Hernberg S. **Scand J Work Environ Health** 1981; 7 Suppl 4:121–6
Epidemiologic design for field studies: occupational neurotoxicity. Melius JM, et al.
Scand J Work Environ Health 1981;7 Suppl 4:34–9
Design options in epidemiologic research. An update. Miettinen O. **Scand J Work Environ Health** 1982;8 Suppl 1:7–14
Significance of cross-sectional surveys in occupational epidemiology. Mur JM, et al.
Scand J Work Environ Health 1982;8 Suppl 1:24–5
Design considerations in pregnancy outcome studies of occupational populations. Selevan SG.
Scand J Work Environ Health 1981;7 Suppl 4:76–82
Mortality among workers in a die-casting and electroplating plant. Silverstein M, et al.
Scand J Work Environ Health 1981;7 Suppl 4:156–65
Overview of Finnish epidemiologic studies on occupational cancer. Tola S. **Scand J Work Environ Health** 1981;7 Suppl 4:133–9
Anatomy of the health worker effect - a critique of summary statistics employed in occupational epidemiology. Wen CP, et al. **Scand J Work Environ Health** 1982;8 Suppl 1:48–52
The relationship between incidence and prevalence. Haberman S. **Soc Sci Med** 1982;16(8):857–62
The epidemiologic approach to studies of association between HLA and disease. I. The basic measures, concepts and estimation procedures. Green A. **Tissue Antigens** 1982 Apr; 19(4):245–58
The epidemiologic approach to studies of association between HLA and disease. II. Estimation of absolute risks, etiologic and preventive fraction. Green A. **Tissue Antigens** 1982 Apr;19(4):259–68
Considerations on the possible utilization of a data bank in the surveillance and control of acute viral hepatitis. Cristea A, et al. **Virologie** 1981 Jan–Mar;32(1):9–13
The estimation of low-dose hazards by extrapolation from high doses. Rossi HH. **Yale J Biol Med** 1981 Sep–Oct; 54(5):339–44
[The designing of scientific investigations (author's transl)] Tang DL. **Chung Hua I Hsueh Tsa Chih** 1982 Apr; 62(4):243–6 **(Chi)**
[Environmental pollution and chronic disease. Administrative questions] Steensberg J. **Ugeskr Laeger** 1981 Jul 27; 143(31):1982–6 **(Dan)**
[A partial myocardial risk function calculated on the basis of a Dutch case reference study] Vandenbroucke JP, et al. **Ned Tijdschr Geneeskd** 1981 Nov 14;125(46):1873–7 (Eng. Abstr.) **(Dut)**
[Coffee drinking and pancreas cancer] van Hees PA, et al.
Ned Tijdschr Geneeskd 1982 Feb 13;126(7):300–1 **(Dut)**
[Evaluation of effectiveness of interventions in public health (author's transl)] Montoya-Aguilar C.
Rev Epidemiol Sante Publique 1981;29(3):233–44 (Eng. Abstr.) **(Fre)**
[Some methodological questions about randomizing collective units (author's transl)] Padieu R.
Rev Epidemiol Sante Publique 1981;29(3):255–68 (Eng. Abstr.) **(Fre)**
[Computers in screening and epidemiology (author's transl)] Coussaert E, et al. **Rev Med Brux** 1981 Dec;2(10):945–50 (Eng. Abstr.) **(Fre)**
[Cartography and incidence of certain malignant tumors in the Province of Québec (1971–1975)] Thouez JP, et al.
Union Med Can 1981 Sep;110(9):798–802 (Eng. Abstr.) **(Fre)**
[Epidemiology and the individual – aspects of data protection] Blohmke M, et al. **Off Gesundheitswes** 1981 Oct; 43(10):457–62 **(Ger)**
[Epidemiologic methods in analyzing and estimating population health status] Dahm I.
Sante Publique (Bucur) 1981;24(4):325–32 (Eng. Abstr.) **(Ger)**
[Notes on the calculation of the number of sick persons] Scholz RD, et al. **Z Arztl Fortbild (Jena)** 1982 Feb; 76(3):103–7 **(Ger)**
[Various methodologic problems of epidemiology of noninfectious diseases—a retrospective assessment on the occasion of the 10th seminar on epidemiologic methods] Adam J. **Z Gesamte Hyg** 1981;27(5):372–5 **(Ger)**
[Epidemiology of breast carcinoma. Clinical considerations in 47 cases] Galletto L, et al. **Minerva Ginecol** 1981 Dec; 33(12):1109–12 (Eng. Abstr.) **(Ita)**
[Epidemiological methods and clinical experimentation] Marubini E. **Recenti Prog Med** 1981 Feb;70(2):197–210 **(Ita)**
[Epidemiological research and household interviews] Carvalheiro J da R. **Rev Saude Publica** 1981 Oct; 15(5):543–50 (Eng. Abstr.) **(Por)**
[Epidemiology as a science and epidemiologic methods of knowledge] Siniak KM, et al.
Zh Mikrobiol Epidemiol Immunobiol 1982 Feb;(2):3–7 **(Rus)**
[Epidemiologic research and its medicosanitary importance] Iversson LB. **AMB** 1981 Jun;27(6):193–4 **(Spa)**
[Research methods in veterinary epidemiology and their use by government services] Saiz Moreno L.
Rev Sanid Hig Publica (Madr) 1979 Sep–Oct; 53(9–10):1381–93 (Eng. Abstr.) **(Spa)**

STANDARDS

Analysis of survey data challenged [letter] Calhoun WF, et al. **Am J Public Health** 1982 Feb;72(2):213–4

TRENDS

[Political epidemiology? (letter)] Clemmesen J.
Ugeskr Laeger 1981 Oct 26;143(44):2932–3 **(Dan)**

EPIDEMIOLOGY

Reducing the effect of measurement variation. Comstock GW. **Am J Epidemiol** 1981 Dec;114(6):784–5
'Health effects of particulate pollution: reappraising the evidence'. Winkelstein W Jr, et al. **Am J Epidemiol** 1982 Mar;115(3):471–5
Cambodian disaster relief: refugee camp medical care. Feldstein B, et al. **Am J Public Health** 1982 Jun; 72(6):589–94
Health services in Shanghai County; vital statistics. Gu XY, et al. **Am J Public Health** 1982 Sep;72(9 Suppl):19–23
Putting the lamentations of epidemiologists in perspective. Hershey N. **Am J Public Health** 1982 Oct;72(10):1155–7
The epidemiologist's lament [editorial] Rothman KJ.
Am J Public Health 1981 Dec;71(12):1309–11
Indices of perinatal care. An epidemiologist's view [editorial] Chapple J. **Br J Obstet Gynaecol** 1982 Jun;89(6):416–7
First Annual Symposium on Environmental Epidemiology.
Environ Health Perspect 1981 Dec;42:1–146
Extrapolation from incomplete data to total or lifetime risks at low doses. Schneiderman MA.
Environ Health Perspect 1981 Dec;42:33–8
The 'hospital epidemiologist' in U.S. hospitals, 1976–1977: a description of the head of the infection surveillance and control program. Report from the SENIC project. Haley RW. **Infect Control** 1980 Jan–Feb;1(1):21–32
Disability: prevention or containment. Cullinan TR.
Int J Epidemiol 1982 Mar;11(1):3–4
Epidemiology and child psychiatry. Introduction. Shaffer D.
J Am Acad Child Psychiatry 1981 Summer;20(3):439–43
Statistical models relating peak expiratory flow rates to age, height, and weight in men and women. Gupta CK, et al.
J Epidemiol Community Health 1982 Mar;36(1):64–7
Epidemiology of abortion. Tyler CW Jr. **J Reprod Med** 1981 Sep;26(9):459–69
Relevance of epidemiology to policies for the prevention of cancer. Doll R. **JOM** 1981 Sep;23(9):601–9 (37 ref.)
Clinical epidemiology in the third world [editorial]
Lancet 1982 Jun 26;1(8287):1448
Epidemiology and prevention. Morris JN.
Milbank Mem Fund Q 1982 Winter;60(1):1–16
The prevalence of illness in a birth cohort. Fergusson DM, et al. **NZ Med J** 1982 Jan 13;95(699):6–10
The logistic odds ratio function in epidemiologic research. Hartz SC. **Rev Environ Health** 1981;3(3):241–57
The South African window. Mann GV. **S Afr Med J** 1982 Jun 19:61(25):962–5
Confounding as a result of differential diagnosis. Olsen J.
Scand J Soc Med 1982;10(1):23–6
The occupational health nurse's contribution to epidemiology. Barnard JM.

Scand J Work Environ Health 1982;8 Suppl 1:172–5
The patient record in epidemiology. Kurland LT, et al. **Sci Am** 1981 Oct;245(4):54–63
Genetic epidemiology: promise or compromise? Ward RH. **Soc Biol** 1980 Summer;27(2):87–100 (57 ref.)
Problems in a statistical study of disease based on death certificates. Rigdon RH. **South Med J** 1981 Sep; 74(9):1104–6, 1111
Measuring the strength of associations between HLA antigens and diseases. Bengtsson BO, et al. **Tissue Antigens** 1981 Nov;18(5):356–63
[Importance of endemiology in gerontology] Vignalou J. **Bull Acad Natl Med (Paris)** 1981 Nov;165(8):1123–30 (Eng. Abstr.) (Fre)
[Is projection possible in epidemiology?] Massé L. **Cah Sociol Demogr Med** 1981 Apr–Jun;21(2):80–6 (Fre)
[Life insurance medicine and epidemiology] Neumann G. **Lebensversicherungsmedizin** 1982 Jun 14;34(5):97–8 (Ger)
[Elementary contingency table analyses for evaluating epidemiological and medical sociological studies] Enke H. **Z Gesamte Hyg** 1982 Apr;28(4):243–9 (Eng. Abstr.) (Ger)
[The role of birds in epidemiology] Rózsa J, et al. **Z Gesamte Hyg** 1981 Nov;27(11):809–15 (70 ref.) (Eng. Abstr.) (Ger)
[Genetic models of prevalent diseases] Sergeev AS. **Vestn Akad Med Nauk SSSR** 1982;(6):81–7 (Eng. Abstr.) (Rus)
[Integral approach to the subject of epidemiology. I. Nature of the epidemic process] Kostylev SG, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1981 Sep;(9):3–6 (Rus)
[Total approach to the subject of epidemiology. II. Concrete definition of the subject of epidemiology] Kostylev SG, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1981 Oct; (10):3–7 (Rus)
[Epidemiology as a science and epidemiologic methods of knowledge] Siniak KM, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1982 Feb;(2):3–7 (Rus)
[Understanding epidemiology and prevention in cardiology] Chávez Domínguez R. **Arch Inst Cardiol Mex** 1982 Mar–Apr;52(2):175–9 (Spa)
[Epidemiologic surveillance] Martínez Navarro F. **Rev Sanid Hig Publica (Madr)** 1979 Sep–Oct; 53(9–10):1205–61 (Eng. Abstr.) (Spa)

EDUCATION

Faculty development and resident training in epidemiology and biostatistics. Mulvihill MN. **Mt Sinai J Med (NY)** 1981 Jul–Aug;48(4):350–2
Survey of neurology chairmen in U.S. and Canadian medical schools about neuroepidemiology. Beringer GB, et al. **Neurology (NY)** 1982 Jun;32(6):657–60
Health orientation in medical education, Australia. Clarke RM, et al. **Prev Med** 1981 Nov;10(6):719–25
[Role of the epidemiological health station as a base for training the hygienist and epidemiologist] Poliak VE. **Gig Sanit** 1981 Jul;(7):66 (Rus)
[Methodological problems of epidemiology in the textbook literature] Beliakov VD. **Zh Mikrobiol Epidemiol Immunobiol** 1981 Jun;(6):100–4 (Rus)
[Experience in introducing academic research work into the process of training the hygienist and epidemiologist] Kalmykova GN, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1982 Apr;(4):118–20 (Rus)
[Methods of students' testing in epidemiology] Pokrovskii VI, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1981; (8):108–9 (Rus)
[Several aspects of teaching of epidemiology as public health faculty] Popova PP, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1982 Feb;(2):107–10 (Rus)
[Training of specialists in epidemiology in the Ukrainian SSR] Siniak KM, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1982 May;(5):100–4 (Rus)
[Internship experience in epidemiology inthe Department of Epidemiology of the Health and Hygiene Faculty of the Narimanov Azerbaijani Medical Institute] Tagi–Zade TA. **Zh Mikrobiol Epidemiol Immunobiol** 1982 Mar;(3):114–6 (Rus)
[Experience in organizing primary specialization in epidemiology] Zamotin BA, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1982 Apr;(4):116–8 (Eng. Abstr.) (Rus)
[Training of intermediate-level statistics personnel for health organizations--evolution and perspectives of the course in health statistics and medical records in Chile] Legarreta A, et al. **Bol Of Sanit Panam** 1982 Jun;92(6):473–81 (Eng. Abstr.) (Spa)

HISTORY

Jerome Cornfield's contributions to epidemiology. Greenhouse SW. **Biometrics** 1982 Mar;38 Suppl:33–45 (29 ref.)
A matter of opportunity. Krause RM. **J Allergy Clin Immunol** 1982 Jul;70(1):2–3
Epidemiology and the public health movement: a historical perspective. Lilienfeld AM, et al. **J Public Health Policy** 1982 Jun;3(2):140–9
[Czechoslovak epidemiology and microbiology in the past 30 years] Skovránek V. **Cesk Epidemiol Mikrobiol Imunol** 1982 May;31(3):132–4 (Cze)
[History of Russo–German scientific relations in the field of epidemiology and hygiene] Aleksandrovskii BN, et al. **Sov Zdravookhr** 1982;(1):61–5 (Rus)
[Results and prospects of the activities of the N. F. Gameleia Research Institute of Epidemiology and Microbiology of the Academy of Medical Sciences of the USSR (on the 90th anniversary of its founding)] Kaulen DR. **Zh Mikrobiol Epidemiol Immunobiol** 1982 May;(5):116–20 (Rus)
[50th anniversary of the Department of Epidemiology of the Central Institute of Physician Advanced Training] Kovaleva EP, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1981 Jun;(6):113–7 (Rus)
[Contribution of S. P. Botkin to the development of epidemiology (on the 150th anniversary of his birth)] Smirnov EI, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1982 May;(5):109–15 (Rus)
[Methodological aspects of the study of the history of Soviet epidemiology] Vasil'ev KG. **Zh Mikrobiol Epidemiol Immunobiol** 1982 Feb;(2):114–6 (Rus)

INSTRUMENTATION

Use of a microcomputer for recording dental epidemiologic data. Pieper K, et al. **Community Dent Oral Epidemiol** 1981 Aug;9(4):178–81

TRENDS

[Epidemiological problems in African cities(author's transl)] Gateff C, et al. **Med Trop (Mars)** 1982 May–Jun; 42(3):259–67 (Eng. Abstr.) (Fre)

EPIDERMAL CYST

ANALYSIS

Analysis of the lipids from the contents of an epidermal cyst. Otsuka F, et al. **J Dermatol (Tokyo)** 1982 Feb;9(1):7–12

COMPLICATIONS

Basal encephalocele associated with suprasellar epidermoid cyst. Sadeh M, et al. **Arch Neurol** 1982 Apr;39(4):250–2
Rupture of an aneurysm into a parasellar epidermoid cyst: case report. Sakaki S, et al. **J Neurosurg** 1981 Oct; 55(4):629–32
[Squamous-cell carcinoma as a degeneration of multiple epidermoid cysts (author's transl)] Vobořil Z, et al. **Cesk Dermatol** 1981 Jun;56(3):159–62 (Eng. Abstr.) (Cze)

CONGENITAL

Congenital inclusion cyst of the subgaleal space. Chaudhari AB, et al. **J Neurosurg** 1982 Apr;56(4):540–4

DIAGNOSIS

Squamous cell carcinoma arising in an epidermal cyst [letter] Miller JM. **Arch Dermatol** 1981 Nov;117(11):683
Diagnosis and treatment of intracordal cysts. Monday LA, et al. **J Otolaryngol** 1981 Oct;10(5):363–70
[A rare case of epidermoid cyst of the renal pelvis] Salgarello G, et al. **Chir Patol Sper** 1980 Oct;28(5):311–7 (Eng. Abstr.) (Ita)

ETIOLOGY

[A case of accessory splenic epidermoid cyst (author's transl)] Yamada K, et al. **Nippon Naika Gakkai Zasshi** 1981 Jul; 70(7):1007–11 (Jpn)

PATHOLOGY

Epidermoid cyst of accessory spleen. Hanada M, et al. **Acta Pathol Jpn** 1981 Sep;31(5):863–72
Epidermoid cysts with seborrheic verruca-like cyst walls. Rahbari H. **Arch Dermatol** 1982 May;118(5):326–8
Giant epidermoid cyst of spleen: case report with nuclear medicine, sonographic and pathologic studies. Shih WJ, et al. **J Fla Med Assoc** 1982 May;69(5):387–9
Epidermoid cyst of testis: benign intratesticular tumor. Rao KG, et al. **Urology** 1982 Jun;19(6):662–4
[Epidermoid cyst of the the testis. Six cases (author's transl)] Lobel B, et al. **J Urol (Paris)** 1982;88(2):101–3 (Eng. Abstr.) (Fre)
[Epidermoid cyst of the testis, clinical, pathologic and therapeutic aspects (author's transl)] Kröpfl D, et al. **Urologe [Ausg A]** 1982 May;21(3):166–8 (Ger)
[Tumors developing in an epidermal cyst] Poroshin KK, et al. **Arkh Patol** 1982;44(2):28–34 (Eng. Abstr.) (Rus)
[Epidermoid spleen cyst] Vinogradov AL, et al. **Sov Med** 1981;(11):112–4 (Rus)

RADIOGRAPHY

Unusual CT-dense posterior fossa epidermoid cyst: case report. Dunn RC Jr, et al. **J Neurosurg** 1981 Oct; 55(4):654–6
Epidermoid cyst of the paravaginal space located only by computerized axial tomography. A case report. Livengood CH 3d, et al. **J Reprod Med** 1982 Mar;27(3):176–8
Epidermoid tumors involving the fourth ventricle. Rosario M, et al. **Neurosurgery** 1981 Jul;9(1):9–13
Anatomico-radiological study of intraosseous epidermoid cysts. Hoessly M, et al. **ROFO** 1982 Jul;137(1):48–54
Dense cerebellopontine epidermoid cyst. Nagashima C, et al. **Surg Neurol** 1982 Mar;17(3):172–7
[Epidermoid cyst of the spleen. Report on a case (author's transl)] Labbe A, et al. **Ann Radiol (Paris)** 1981 Sep–Oct; 24(6):525–9 (Eng. Abstr.) (Fre)
[Epidermoid cyst of the orbit] Romanet JP, et al. **Bull Soc Ophtalmol Fr** 1981 Nov;81(11):993–6 (Fre)
[Multiple site epidermoid cysts. Relation to basal cell naevomatosis and value of systematic pathological examination (author's transl)] Puig JR, et al. **Rev Stomatol Chir Maxillofac** 1981;82(6):349–52 (Eng. Abstr.) (Fre)
[Characteristic findings of metrizamide CT cisternography in an epidermoid in the posterior fossa (author's transl)] Murayama K, et al. **Neurol Med Chir (Tokyo)** 1982 May; 22(5):389–94 (Eng. Abstr.) (Jpn)

SURGERY

Intramedullary epidermoid. Kumar S, et al. **Indian Pediatr** 1981 Aug;18(8):578–81
Traumatic epidermoid cyst of the ulna. Report of a case. Mollan RA, et al. **J Bone Joint Surg [Br]** 1982;64(4):456–7
Epidermoid cyst of the spleen. Cameron GS, et al. **J Pediatr Surg** 1981 Aug;16(4):453–6
Intracranial intradural epidermoids and dermoids. Surgical results of 38 cases. Hamel E, et al. **Neurosurg Rev** 1980; 3(4):215–9
[Organ preserving operation in large epidermoid cyst of the spleen (author's transl)] Lambrecht W, et al. **Z Kinderchir** 1981 Mar;32(3):286–90 (Eng. Abstr.) (Ger)
[A case of suspected spontaneous rupture of splenic epidermoid cyst (author's transl)] Kim H, et al. **Nippon Geka Hokan** 1981 Nov 1;50(6):911–7 (Eng. Abstr.) (Jpn)
[Cranial epidermoids] Fagula J, et al. **Rozhl Chir** 1982 Feb; 61(2):105–8 (Eng. Abstr.) (Slo)

EPIDERMAL GROWTH FACTOR-UROGASTRONE

Hydrolysis of soybean trypsin inhibitor by the gamma subunit of 7SNGF and EGF-BP. Green DA, et al. **Int J Pept Protein Res** 1981 Mar;17(3):338–44

ANALYSIS

An immunofluorescence study of age-dependent changes in localization of epidermal growth factor in the submandibular salivary glands of mice. Steidler NE, et al. **Arch Oral Biol** 1981;26(3):165–9
Immunoreactive human epidermal growth factor in human pancreatic juice. Hirata Y, et al. **J Clin Endocrinol Metab** 1982 Jun;54(6):1242–5
The mouse submaxillary gland: a model for the study of hormonally dependent growth factors. Walker P. **J Endocrinol Invest** 1982 May–Jun;5(3):183–96 (165 ref.)
Epidermal growth factor and renin in mouse submandibular glands. Tanaka T, et al. **J Histochem Cytochem** 1981 Oct; 29(10):1229–31
Ontogenesis of nerve growth factor and epidermal growth factor in submaxillary glands and nerve growth factor in brains of immature male mice: correlation with ontogenesis of serum levels of thyroid hormones. Walker P, et al. **Pediatr Res** 1982 Jul;16(7):520–4

ANTAGONISTS & INHIBITORS

Teleocidin, a possible naturally occurring tumor promoter from Streptomyces, modulates actions of epidermal growth factor on rat hepatoma cells. Kaneko Y, et al. **Life Sci** 1981 Oct 12;29(15):1571–6

BIOSYNTHESIS

Induction of epidermal growth factor by tri-iodo-L-thyronine in the submandibular glands of mice with testicular feminization. Hosoi K, et al. **J Biochem (Tokyo)** 1981 Jul;90(1):267–70

BLOOD

Aggressive behavior in mice provokes a marked increase in both plasma epidermal growth factor and renin. Nexø E, et al. **Acta Physiol Scand** 1981 Mar;111(3):367–71

GENETICS

Genetics of receptors for bioactive polypeptides: expression of the human EGF receptor gene and internalization and processing of the receptor-bound EGF in human-mouse cell hybrids. Behzadian MA, et al. **Somatic Cell Genet** 1982 May;8(3):347–62

ISOLATION & PURIFICATION

Affinity labeling of the protein kinase associated with the epidermal growth factor receptor in membrane vesicles from A431 cells. Buhrow SA, et al. **J Biol Chem** 1982 Apr

25;257(8):4019–22

METABOLISM

Correlation between phosphatidylcholine labeling and hormone receptor levels in alveolar type II epithelial cells: effects of dexamethasone and epidermal growth factor. Keller GH, et al. **Arch Biochem Biophys** 1981 Oct 1; 211(1):321–6

Plasminogen activator activity in the subunits of mouse submandibular gland nerve–growth factor and epidermal growth factor. Hiramatsu M, et al. **Arch Oral Biol** 1982; 27(6):517–8

Specific binding of transforming growth factor correlates with promotion of anchorage independence in EGF receptorless mouse JB6 cells. Colburn NH, et al. **Biochem Biophys Res Commun** 1981 Sep 30;102(2):799–807

Inhibition of epidermal growth factor binding by prostaglandin A's. Lee LS. **Biochem Biophys Res Commun** 1981 Oct 30;102(4):1144–50

Epidermal growth factor: relationship between receptor down regulation in cultured NRK cells and epidermal growth factor enhancement of phosphorylation of a 170000 molecular weight membrane protein in vitro. Fernandez-Pol JA. **Biochemistry** 1981 Jun 23; 20(13):3907–12

Lateral diffusion of epidermal growth factor complexed to its surface receptors does not account for the thermal sensitivity of patch formation and endocytosis. Hillman GM, et al. **Biochemistry** 1982 Mar 30;21(7):1667–72

Phorbol diester and epidermal growth factor receptors in 12–O–tetradecanoylphorbol–13–acetate–resistant and –sensitive mouse epidermal cells. Colburn NH, et al. **Cancer Res** 1982 Aug;42(8):3093–7

Cell cycle variation in 125I–labeled epidermal growth factor binding in chemically transformed cells. Robinson RA, et al. **Cancer Res** 1982 Jul;42(7):2633–8

Inhibition of epidermal growth factor binding by phorbol esters, saccharin, and cyclamate and its implications in the mechanism of tumor promotion. Lee LS. **Carcinog Compr Surv** 1982;7:471–5

Benzo[a]pyrene and other inducers of cytochrome P1–450 inhibit binding of epidermal growth factor to cell surface receptors. Ivanovic V, et al. **Carcinogenesis** 1982; 3(5):505–10

Down–regulation of epidermal growth factor receptors in mouse embryos. Adamson ED, et al. **Dev Biol** 1982 Apr; 90(2):430–4

Thyroxine reverses deficits of nerve growth factor and epidermal growth factor in submandibular glands of mice with muscular dystrophy. Watson AY, et al. **Endocrinology** 1982 Apr;110(4):1392–401

Early events following the binding of epidermal growth factor to surface receptors on ovarian granulosa cells. Hopkins CR, et al. **Eur J Cell Biol** 1981 Jun;24(2):259–65

Retinoic acid induces anchorage– and density– dependent growth without restoring normal cytoskeleton, EGF binding, fibronectin content and ODC activity in a retrovirus– transformed mouse cell line. Mukherjee BB, et al. **Exp Cell Res** 1982 Mar;138(1):95–107

Eye–derived growth factor from retina and epidermal growth factor are immunologically distinct and bind to different receptors on human foreskin fibroblasts. Plouët J, et al. **FEBS Lett** 1982 Jul 19;144(1):85–8

Direct linkage of 125I–EGF to cell surface receptors. A useful artifact of chloramine–T treatment. Comens PG, et al. **J Biol Chem** 1982 Jan 10;257(1):42–5

Resolution of high and low affinity epidermal growth factor receptors. Inhibition of high affinity component by low temperature, cycloheximide, and phorbol esters. King AC, et al. **J Biol Chem** 1982 Mar 25;257(6):3053–60

Inhibition of epidermal growth factor binding to mouse cultured cells by fibroblast–derived growth factor. Evidence for an indirect mechanism. Rozengurt E, et al. **J Biol Chem** 1982 Apr 10;257(7):3680–6

The endocytotic rate constant. A cellular parameter for quantitating receptor–mediated endocytosis. Wiley HS, et al. **J Biol Chem** 1982 Apr 25;257(8):4222–9

Effects of retinoic acid on the binding and mitogenic activity of epidermal growth factor. Jetten AM. **J Cell Physiol** 1982 Mar;110(3):235–40

Decreased epidermal growth factor binding in cells growth arrested in G1 by nutrient deficiency. Robinson RA, et al. **J Cell Physiol** 1981 Dec;109(3):517–24

Functional receptors for epidermal growth factor on human osteosarcoma cells. Shupnik MA, et al. **J Cell Physiol** 1981 Dec;109(3):403–10

Receptor binding and processing of epidermal growth factor by human breast cancer cells. Osborene CK, et al. **J Clin Endocrinol Metab** 1982 Jul;55(1):86–93

Plasma concentrations and urinary excretion of mouse epidermal growth factor associated with the inhibition of food consumption and of wool growth in Merino wethers. Panaretto BA, et al. **J Endocrinol** 1982 Aug;94(2):191–202

Epidermal growth factor receptor in human epidermal cells: direct demonstration in cultured cells. O'Keefe E, et al. **J Invest Dermatol** 1982 Jun;78(6):482–7

Cell type–specificity of epidermal growth factor (EGF) binding in primary cultures of early postnatal mouse cerebellum. Leutz A, et al. **Neurosci Lett** 1982 May 28; 30(2):179–82

Epidermal growth factor carrier protein binds to cells via a complex with released carried protein nexin. Knauer DJ, et al. **Proc Natl Acad Sci USA** 1982 Apr;79(7):2310–4

Monoclonal antibodies against receptor for epidermal growth factor induce early and delayed effects of epidermal growth factor. Schreiber AB, et al. **Proc Natl Acad Sci USA** 1981 Dec;78(12):7535–9

Rotational diffusion of epidermal growth factor complexed to cell surface receptors reflects rapid microaggregation and endocytosis of occupied receptors. Zidovetzki R, et al. **Proc Natl Acad Sci USA** 1981 Nov;78(11):6981–5

Epidermal growth factor–receptor–protein kinase interactions. Cohen S, et al. **Prog Clin Biol Res** 1981;66 Pt A:557–67

PHARMACODYNAMICS

Neurofibromatosis fibroblasts: abnormal growth and binding to epidermal growth factor. Zelkowitz M. **Adv Neurol** 1981; 29:173–89

Studies on the in vitro culture of murine fetal thymus: effect of factors promoting epithelial growth. Garland JM, et al. **Am J Reprod Immunol** 1981;1(3):129–39

Vanadate, epidermal growth factor and the stimulation of DNA synthesis. Carpenter G. **Biochem Biophys Res Commun** 1981 Oct 30;102(4):1115–21

Epidermal growth factor stimulates prostaglandin E release from isolated perfused rat stomach. Chiba T, et al. **Biochem Biophys Res Commun** 1982 Mar 15;105(1):370–4

Epidermal growth factor–stimulated phosphorylation of tyrosine residues on a 120 000 dalton protein in mouse liver plasma membrane subfractions. Ehrhart JC, et al. **Biochem Biophys Res Commun** 1981 Sep 30;102(2):602–9

Inhibition of epidermal growth factor–induced mitogenesis in bovine granulosa cells by trifluoperazine. Goyns MH, et al. **Biochem Biophys Res Commun** 1981 Oct 30; 102(4):1107–14

Exposure of cells to an acidic environment reverses the inhibition by methylamine of the mitogenic response to epidermal growth factor. King AC, et al. **Biochem Biophys Res Commun** 1982 May 31;106(2):479–85

A non–mitogenic analogue of epidermal growth factor enhances the phosphorylation of endogenous membrane proteins. Schreiber AB, et al. **Biochem Biophys Res Commun** 1981 Jul 30;101(2):517–23

Enhancement of calcium uptake and phosphatidylinositol turnover by epidermal growth factor in A–431 cells. Sawyer ST, et al. **Biochemistry** 1981 Oct 13;20(21):6280–6

Epidermal growth factor stimulates collagen synthesis in liver–derived epithelial clone cells. Kumegawa M, et al. **Biochim Biophys Acta** 1981 Jul;675(2):305–8

Epidermal growth factor in the healing of second degree burns: a controlled animal study. Thornton JW, et al. **Burns Incl Therm Inj** 1982 Jan;8(3):156–60

Effects of 12–O–tetradecanoyl phorbol–13–acetate and epidermal growth factor on the proliferation of human mutant fibroblasts in vitro. Gansler T, et al. **Cancer Lett** 1981 Sep;13(4):315–23

Interaction of tumor promoters and growth factors with cultured cells. Bowden GT, et al. **Carcinog Compr Surv** 1982;7:463–9

Epidermal growth factor, like tumor promoters, enhances viral and radiation–induced cell transformation. Fisher PB, et al. **Carcinogenesis** 1981;2(3):183–7

Epidermal growth factor stimulates DNA–synthesis of astrocytes in primary cerebellar cultures. Leutz A, et al. **Cell Tissue Res** 1981;220(2):393–404

Expression of a phenotype of normal differentiation in cultured mammary glands is promoted by epidermal growth factor and blocked by cyclic adenine nucleotide and prostaglandins. Tonelli QJ, et al. **Differentiation** 1981; 20(3):253–9

Interaction between glucocorticoids and epidermal growth factor in vitro in the growth of palatal mesenchymal cells from the human embryo. Yoneda T, et al. **Differentiation** 1981;19(3):194–8

Effect of epidermal growth factor on collagen formation in liver–derived epithelial clone cells. Kumegawa M, et al. **Endocrinology** 1982 Feb;110(2):607–12

Mechanism of the inhibitory action of epidermal growth factor on testicular androgen biosynthesis in vitro. Welsh TH Jr, et al. **Endocrinology** 1982 May;110(5):1498–506

Epidermal growth factor modifies Ca2+, Mg2+ and 2–oxocarboxylic acid, but not K+ and phosphate ion requirement for multiplication of human fibroblasts. McKeehan WL, et al. **Exp Cell Res** 1982 Jul;140(1):25–30

Growth regulation of WI38 cells in s serum–free medium. Phillips PD, et al. **Exp Cell Res** 1981 Aug;134(2):297–302

An effect of fibronectin in epidermal growth factor (EGF)–stimulated membrane protein phosphorylation in human carcinoma cells. Rieber M, et al. **Exp Cell Res** 1982 Apr;138(2):441–6

Epidermal growth factor induces redistribution of actin and alpha–actinin in human epidermal carcinoma cells. Schlessinger J, et al. **Exp Cell Res** 1981 Aug;134(2):273–9

Multiplication of human diploid fibroblasts in a synthetic medium supplemented with EGF, insulin, and dexamethasone. Walthall BJ, et al. **Exp Cell Res** 1981 Aug; 134(2):303–11

Mitogenic effect of epidermal growth factor on sheep thyroid cells in culture. Westermark K, et al. **Exp Cell Res** 1982 Mar;138(1):47–55

Influence of epidermal growth factor on the development of suckling mouse intestinal mucosa. Malo C, et al. **Gastroenterology** 1982 Jul;83(1 Pt 1):28–35

Role of mucosal prostaglandins and DNA synthesis in gastric cytoprotection by luminal epidermal growth factor. Konturek SJ, et al. **Gut** 1981 Nov;22(11):927–32

Modulation of protein phosphorylation in human colon adenocarcinoma cell membrane preparations by epidermal growth factor in vitro. Zenisek SC, et al. **Int J Cancer** 1982 Mar 15;29(3):277–82

Evidence that viral transforming gene products and epidermal growth factor stimulate phosphorylation of the same cellular protein with similar specificity. Erikson E, et al. **J Biol Chem** 1981 Nov 25;256(22):11381–4

Rapid and specific enhancement of phosphorylation of two normal rat kidney cell membrane polypeptides of Mr = 170,000 and 150,000 by epidermal growth factor in vitro. Fernandez–Pol JA. **J Biol Chem** 1981 Sep 25; 256(18):9742–9

Epidermal growth factor induces electrically silent Na+ influx in human fibroblasts. Moolenaar WH, et al. **J Biol Chem** 1982 Jul 25;257(14):8502–6

Epidermal growth factor inhibits growth of A431 human epidermoid carcinoma in serum–free cell culture. Barnes DW. **J Cell Biol** 1982 Apr;93(1):1–4

Similarities and differences between the effects of epidermal growth factor and Rous sarcoma virus. Cooper JA, et al. **J Cell Biol** 1981 Dec;91(3 Pt 1):878–83

Keratin filaments of mouse epithelial cells are rapidly affected by epidermal growth factor. Keski–Oja J, et al. **J Cell Biol** 1981 Aug;90(2):537–41

Epidermal growth factor induces rapid centrosomal separation in HeLa and 3T3 cells. Sherline P, et al. **J Cell Biol** 1982 May;93(2):507–12

A nonmitogenic analogue of epidermal growth factor induces early responses mediated by epidermal growth factor. Yarden Y, et al. **J Cell Biol** 1982 Mar;92(3):687–93

Effects of 12–0–Tetradecanoylphorbol–13–acetate (TPA) on rat pheochromocytoma (PC12) cells: interactions with epidermal growth factor and nerve growth factor. End D, et al. **J Cell Physiol** 1982 May;111(2):140–8

Mechanism of synergistic induction of DNA synthesis by epidermal growth factor and tumor promoters. Matrisian LM, et al. **J Cell Physiol** 1981 Sep;108(3):417–25

Differential modulation of human chorionic gonadotropin secretion by epidermal growth factor in normal and malignant placental cultures. Huot RI, et al. **J Clin Endocrinol Metab** 1981 Nov;53(5):1059–63

Fibroblasts from a patient with leprechaunism are resistant to insulin, epidermal growth factor, and somatomedin C. Kaplowitz PB, et al. **J Clin Endocrinol Metab** 1982 Oct; 55(4):741–8

Epidermal growth factor and proliferation of odontogenic cells in culture. Steidler NE, et al. **J Dent Res** 1981 Dec; 60(12):1977–82

Induction of supernumerary tracheal buds and the stimulation of DNA synthesis in the embryonic chick lung and trachea by epidermal growth factor. Goldin GV, et al. **J Embryol Exp Morphol** 1980 Dec;60:235–43

Changes in the proteins of wool following treatment of sheep with epidermal growth factor. Gillespie JM, et al. **J Invest Dermatol** 1982 Sep;79(3):197–200

Trophic action of epidermal growth factor on the pancreas and gastroduodenal mucosa in rats. Dembiński A, et al. **J Physiol (Lond)** 1982 Apr;325:35–42

Rapid membrane changes in mouse epithelial cells after exposure to epidermal growth factor. Heine UI, et al. **J Ultrastruct Res** 1981 Dec;77(3):335–43

Effect of epidermal growth factor on proliferation of human tumor cells in soft agar. Hamburger AW, et al. **JNCI** 1981 Oct;67(4):825–30

Increase in collagen synthesis of cotton pellet granuloma in rats by epidermal growth factor. Hiramatsu M, et al. **Jpn J Pharmacol** 1982 Feb;32(1):198–201

Epidermal growth factor and cyclic AMP stimulation of distinct protein kinase activities in Leydig cell tumor membranes. Melner MH, et al. **Life Sci** 1982 Jun 7; 30(23):1981–6

Increased phosphotyrosine content and inhibition of proliferation in EGF–treated A431 cells. Gill GN, et al. **Nature** 1981 Sep 24;293(5830):305–7

Isolation from murine sarcoma cells of novel transforming growth factors potentiated by EGF. Roberts AB, et al. **Nature** 1982 Feb 4;295(5848):417–9

Epidermal growth factor and insulin cause normal chicken heart mesenchymal cells to proliferate like their Rous sarcoma virus–infected counterparts. Balk SD, et al. **Proc Natl Acad Sci USA** 1982 Feb;79(4):1154–7

Rapid clonal growth and serial passage of human diploid fibroblasts in a lipid–enriched synthetic medium supplemented with epidermal growth factor, insulin, and dexamethasone. Bettger WJ, et al. **Proc Natl Acad Sci USA** 1981 Sep;78(9):5588–92

Altered epidermal growth factor (EGF)–stimulated protein kinase activity in variant A431 cells with altered growth responses to EGF. Buss JE, et al. **Proc Natl Acad Sci USA** 1982 Apr;79(8):2574–8

Resistance to phosphatase of thiophosphorylated epidermal growth factor receptor in A431 membranes. Cassel D, et al. **Proc Natl Acad Sci USA** 1982 Apr;79(7):2231–5

Epidermal growth factor stimulates the phosphorylation of synthetic tyrosine–containing peptides by A431 cell membranes. Pike LJ, et al. **Proc Natl Acad Sci USA** 1982 Mar;79(5):1443–7

New class of transforming growth factors potentiated by

epidermal growth factor: isolation from non-neoplastic tissues. Roberts AB, et al. **Proc Natl Acad Sci USA** 1981 Sep;78(9):5339-43

Alteration of epidermal growth factor-dependent phosphorylation during rat liver regeneration. Rubin RA, et al. **Proc Natl Acad Sci USA** 1982 Feb;79(3):776-80

Induction of an intracellular mitogenic messenger by epidermal growth factor. Das M. **Prog Clin Biol Res** 1981; 66 Pt B:359-68

[The experimental study of epidermal growth factor -effects of epidermal growth factor on the cyclic nucleotide system and protein phosphorylation in pig epidermis- (author's transl)] Aoyagi T. **Hokkaido Igaku Zasshi** 1981 May; 56(3):319-33 (Eng. Abstr.) **(Jpn)**

[Inhibitory action of urogastrone from pregnant horses urine on gastric acid secretion (author's transl)] Yamaura T, et al. **Nippon Yakurigaku Zasshi** 1981 Oct;78(4):305-18 (Eng. Abstr.) **(Jpn)**

[Involvement of glucocorticoid and epidermal growth factor in the development of palate in human embryo (author's transl)] Yoneda T. **Tanpakushitsu Kakusan Koso** 1981 Jun; 26(7):928-36 (36 ref.) **(Jpn)**

PHYSIOLOGY

Fibroblast growth factor and vertebrate regeneration. Gospodarowicz D, et al. **Adv Neurol** 1981;29:149-71

Membrane phosphorylation: a crucial role in the action of insulin, EGF, and pp60src? Houslay MD. **Biosci Rep** 1981 Jan;1(1):19-34 (108 ref.)

Epidermal growth factor: a critical factor in fetal maturation? Thorburn GD, et al. **Ciba Found Symp** 1981;86:172-98

Epidermal growth factor action as a model for lymphokine function. Das M. **Fed Proc** 1982 Jun;41(8):2484-9

Long-term epidermal growth factor-receptor internalization and processing in quiescent human fibroblasts. King AC, et al. **J Supramol Struct Cell Biochem** 1981;17(4):377-87

The effect of epidermal growth factor on wound healing in mice. Niall M, et al. **J Surg Res** 1982 Aug;33(2):164-9

URINE

Comparison of a receptor binding assay with a radioimmunoassay for measuring human epidermal growth factor-urogastrone in urine. Nexø E, et al. **Scand J Clin Lab Invest** 1981 Oct;41(6):577-82

EPIDERMAL NECROLYSIS, TOXIC

[Lyell's disease (author's transl)] Kint A, et al. **Dermatologica** 1981;163(6):433-54 (Eng. Abstr.) **(Fre)**

[Acute epidermal necrolysis: Lyell's syndrome] Jiménez de Diego L, et al. **Rev Clin Esp** 1981 Apr 30;161(2):73-7 **(Spa)**

COMPLICATIONS

[Non-cardiogenic pulmonary edema caused by blood transfusion in Lyell's syndrome] Labay Matias MV, et al. **An Esp Pediatr** 1981 Jun;14(6):452-3 **(Spa)**

CONGENITAL

[Staphylococcal scalded skin syndrome in a newborn infant of a diabetic mother (author's transl)] Fischer M. **Dermatol Monatsschr** 1981 Dec;167(12):760-5 (Eng. Abstr.) **(Ger)**

DIAGNOSIS

[Rapid diagnosis of bullous skin diseases] Luderschmidt C. **Monatsschr Kinderheilkd** 1982 Feb;130(2):114-6 **(Ger)**

[Lyell's syndrome: Lyell's syndrome or Lyle's syndrome] Kondurtsev VA. **Klin Med (Mosk)** 1982 Feb;60(2):109-10 **(Rus)**

[Interrelation of erythema multiforme exudativum, the Stevens-Johnson syndrome and toxic epidermal necrolysis (Lyell's syndrome)] Anton'eva AA, et al. **Vestn Dermatol Venerol** 1981 Jul;(7):29-30 **(Rus)**

[Erythema multiforme exudativum, the Stevens-Johnson and Lyell syndromes and their interrelation] Korolev IuF. **Vestn Dermatol Venerol** 1981 Aug;(8):44-6 **(Rus)**

[Interrelation of erythema multiforme exudativum and Lyell's and Stevens-Johnson syndromes] Soloshenko EN. **Vestn Dermatol Venerol** 1981 Jul;(7):30-2 (Eng. Abstr.) **(Rus)**

DRUG THERAPY

[Topical treatment of Lyell's syndrome with dextranomer (Debrisan) (author's transl)] Morelli P, et al. **Pediatr Med Chir** 1981 Jul-Aug;3(4):273-6 **(Ita)**

ETIOLOGY

Ethambutol-induced toxic epidermal necrolysis. Pegram PS Jr, et al. **Arch Intern Med** 1981 Nov;141(12):1677-8

Side effects of benoxaprofen [letter] Palframan A, et al. **Br Med J [Clin Res]** 1982 Jul 31;285(6338):376-7

Toxic epidermal necrolysis, leucopenia and thrombocytopenic purpura--a further complication of Benoxaprofen therapy. Fenton DA, et al. **Clin Exp Dermatol** 1982 May;7(3):277-79

Staphylococcal scalded skin syndrome: a complication of circumcision. Anday EK, et al. **Clin Pediatr (Phila)** 1982 Jul;21(7):420

Toxic epidermal necrolysis and mixed histiolymphocytic lymphoma. Stawiski MA, et al. **Cutis** 1981 Sep;28(3):286-9

Life threatening agranulocytosis and toxic epidermal necrolysis during low dose penicillamine therapy. Ward K, et al. **Ir J Med Sci** 1981 Aug;150(8):252-3

A case of contact dermatitis, erythema multiforme, and toxic epidermal necrolysis. Thompson JA Jr, et al. **J Am Acad Dermatol** 1981 Dec;5(6):666-9

Graft-versus-host reaction manifested as toxic epidermal necrolysis in a patient with acute leukemia. Berkel AI, et al. **Turk J Pediatr** 1981 Jan-Mar;23(1):37-41

[Lyell's syndrome during treatment with a new anti-inflammatory agent (letter)] Roujeau JC, et al. **Nouv Presse Med** 1981 Nov 14;10(41):3407-8 **(Fre)**

[Toxic epidermal necrolysis (Lyell's syndrome) in childhood] Kapu E, et al. **Orv Hetil** 1981 Sep 6;122(36):2213-6 **(Hun)**

[Lyell syndrome in a patient with Cushing disease] Pfliegler G, et al. **Orv Hetil** 1981 Nov 8;122(45):2781-3 **(Hun)**

[Toxic epidermal necrolysis (Lyell's syndrome) after trichopol administration] Titov RL. **Klin Med (Mosk)** 1981 Dec;59(12):85-6 **(Rus)**

[Severe manifestations of drug allergy in children] Sukovatykh TN, et al. **Pediatriia** 1982 May;(5):76-7 **(Rus)**

[Problems of the etiology, pathogenesis and treatment of Lyell's syndrome] Dubiaga AN, et al. **Sov Med** 1981; (7):117-9 **(Rus)**

IMMUNOLOGY

[Cellular immunity indices in a female Lyell's syndrome patient] Lebenzon SS, et al. **Vestn Dermatol Venerol** 1981 Jun;(6):55-7 (Eng. Abstr.) **(Rus)**

PATHOLOGY

Oral presentation of toxic epidermal necrolysis. Marra LM, et al. **J Oral Maxillofac Surg** 1982 Jan;40(1):59-61

[Lyell's syndrome] Ring J. **MMW** 1982 Mar 26;124(12):83-5 **(Ger)**

[Craniocerebral injury complicated by toxic epidermolysis] Węgrzyn Z, et al. **Neurol Neurochir Pol** 1981 Sep-Dec; 15(5-6):627-9 **(Pol)**

[2 cases of Lyell's syndrome after taking oletetrin and levomycetin] Mel'nikov VI. **Klin Med (Mosk)** 1982 May; 60(5):106-8 **(Rus)**

[Toxic epidermal necrolysis in a patient with diabetes mellitus and lymphoid leukemia] Dubovyl MI, et al. **Vestn Dermatol Venerol** 1981 Jul;(7):47-8 **(Rus)**

[Lyell's syndrome. Clinical, histological, enzymatic and ultrastructural study] Grasa MP, et al. **Actas Dermosifiliogr** 1981 May-Jun;72(5-6):225-8 (Eng. Abstr.) **(Spa)**

[Acute epidermal necrolysis: Lyell's syndrome. Apropos of a case] Jiménez de Diego L, et al. **Rev Clin Esp** 1981 Apr 30;161(2):135-6 **(Spa)**

THERAPY

Intensive therapy unit management of toxic epidermal necrolysis: practical aspects. Finlay AY, et al. **Clin Exp Dermatol** 1982 Jan;7(1):55-60

[Successful treatment of Lyell's disease] Szekeres L, et al. **Orv Hetil** 1981 Sep 13;122(37):2289-95 **(Hun)**

[Treatment problems in Lyell's syndrome] Egorov NA, et al. **Vestn Dermatol Venerol** 1981 Aug;(8):58-60 **(Rus)**

EPIDERMIS

[Current status and prospects of human skin cultures] Mole B. **Ann Chir Plast** 1981;26(3):295-6 **(Fre)**

ANALYSIS

Correlation of prekaratin peptides and ultrastructure in epithelial cells of human skin tumors in vivo and in vitro. Breitkreutz D, et al. **Anticancer Res** 1981;1(6):323-8

Cyanogen bromide cleavage of proteins in sodium dodecyl sulphate/polyacrylamide gels. Diagonal peptide mapping of proteins from epidermis. Lonsdale-Eccles JD, et al. **Biochem J** 1981 Sep 1;197(3):591-7

Dexamethasone receptors in human epidermis. Hughes A, et al. **Br J Dermatol** 1982 Mar;106(3):299-302

Keratins as markers of malignancy in mouse epidermal tumors. Winter H, et al. **Carcinogenesis** 1980 May; 1(5):391-8

Keratin protein domains within the human epidermis. Banks-Schlegel SP, et al. **Exp Cell Res** 1981 Dec; 136(2):465-9

Immunofluorescent visualization of myosin in human epidermal cells. Bhatnagar GM. **J Invest Dermatol** 1981 Aug;77(2):196-200

Concanavalin A binding glycoproteins of epidermal cells. Brysk MM, et al. **J Invest Dermatol** 1982 Sep;79(3):193-7

Isolation and lipid biochemical characterization of stratum corneum membrane complexes: implications for the cutaneous permeability barrier. Grayson S, et al. **J Invest Dermatol** 1982 Feb;78(2):128-35

Characterization and localization of bovine epidermal transglutaminase substrate. Lobitz CJ, et al. **J Invest Dermatol** 1982 Feb;78(2):150-4

Glycoconjugates in the epidermis of Pleurodeles waltlii. Bueno C, et al. **J Ultrastruct Res** 1981 Dec;77(3):354-9

Psoralen phototoxicity: correlation with serum and epidermal 8-methoxypsoralen and 5-methoxypsoralen in the guinea pig. Kornhauser A, et al. **Science** 1982 Aug 20; 217(4561):733-5

Studies on structural lipids in the stratum corneum. Arima M, et al. **Tokai J Exp Clin Med** 1981 Apr;6(2):121-7

[Polyacrylamide gel electrophoretic analysis of proteins in human horny cells obtained by adhesive tape stripping method and it's clinical application--alterations of banding pattern in psoriasis (author's transl)] Tsuneda Y, et al. **Nippon Hifuka Gakkai Zasshi** 1982 May;92(6):657-63 **(Jpn)**

[Effect of epidermal chalones on the proliferation and differentiation of tumors of the lower lip in mice] Godorozha PD, et al. **Biull Eksp Biol Med** 1981 Sep; 92(9):347-9 (Eng. Abstr.) **(Rus)**

ANATOMY & HISTOLOGY

Intraepidermal free nerve endings relating to epidermal melanocytes in spotted guinea pigs. A statistical and electron microscopic study. Mihara M, et al. **J Dermatol (Tokyo)** 1982 Feb;9(1):63-72

Structure of the epidermis in Ayrshire bullocks. Lloyd DH, et al. **Res Vet Sci** 1979 Mar;26(2):172-9

Structure of the sheep epidermis. Lloyd DH, et al. **Res Vet Sci** 1979 Mar;26(2):180-2

The effects of some surface sampling procedures on the stratum corneum of bovine skin. Lloyd DH, et al. **Res Vet Sci** 1979 Mar;26(2):250-2

Studies on the structure and histochemistry of the epidermis in the air-breathing teleost Mastacembelus armatus (Mastacembelidae, Pisces). Zaccone G. **Z Mikrosk Anat Forsch** 1981;95(5):809-26

CYTOLOGY

Studies on the structure and histochemistry of the epidermis in the marine catfish Plotosus lineatus (Thunberg, 1791) (Plotosidae, Pisces). Zaccone G, et al. **Acta Histochem (Jena)** 1981;69(1):106-18

Separation of epidermal cells by density gradient centrifugation on a continuous colloidal silica (Percoll) gradient. Goldenhersh MA, et al. **Anal Biochem** 1982 Jan 15;119(2):246-52

Steroid sulfatase, X-linked ichthyosis, and stratum corneum cell cohesion. Epstein EH Jr, et al. **Arch Dermatol** 1981 Dec;117(12):761-3

Changes in suspensions of human keratinocytes due to trypsin. Barton SP, et al. **Arch Dermatol Res** 1981; 271(3):245-57

Evidence of diurnal variation of human epidermal cell proliferation. I. Epidermal 3H-labeling index and serum cortisol rhythm. Schell H, et al. **Arch Dermatol Res** 1981; 271(1):41-7

Evidence of diurnal variation of human epidermal cell proliferation. II. Duration of epidermal DNA synthesis. Schell H, et al. **Arch Dermatol Res** 1981;271(1):49-53

Control of differentiation of epidermal structures. Briggaman RA. **Birth Defects** 1981;17(2):39-60 (101 ref.)

Lipid composition of the superficial stratum corneum cells of pig epidermis. Gray GM, et al. **Br J Dermatol** 1982 Jan;106(1):59-63

Expression of Ia antigen on epidermal keratinocytes is a consequence of cellular immunity. Suitters AJ, et al. **Br J Exp Pathol** 1982 Apr;63(2):207-13

Role of differentiation in determining responses of epidermal cells to phorbol esters. Hennings H, et al. **Carcinog Compr Surv** 1982;7:319-23

Quantitative evaluation of dark keratinocytes induced by several promoting and hyperplasiogenic agents: their use as an early morphological indicator of tumor-promoting action. Klein-Szanto AJ, et al. **Carcinog Compr Surv** 1982; 7:305-9

Patterns of epidermal cell proliferation. Mackenzie IC, et al. **Carcinog Compr Surv** 1982;7:311-7

On the relationship between epidermal hyperproliferation and skin tumor promotion. Marks F, et al. **Carcinog Compr Surv** 1982;7:331-46

Induction of dark keratinocytes by 12-O-tetradecanoylphorbol-13-acetate and mezerein as an indicator of tumor-promoting efficiency. Klein-Szanto AJ, et al. **Carcinogenesis** 1980 May;1(5):399-406

On the existence of non-cycling germinative cells in human epidermis in vivo and cell cycle aspects of psoriasis. Gelfant S. **Cell Tissue Kinet** 1982 Jul;15(4):393-7

Evidence for discrete cell kinetic subpopulations in mouse epidermis based on mathematical analysis. Potten CS, et al. **Cell Tissue Kinet** 1982 May;15(3):305-29

Partial purification of a low molecular weight inhibitor of epidermal DNA synthesis. Quirk AV, et al. **Cell Tissue Kinet** 1982 Jan;15(1):31-8

Fine structure of Merkel cells in lampreys. Whitear M, et al. **Cell Tissue Res** 1981;220(1):139-51

Differentiation modulates the response of guinea pig epidermal keratinocytes to the stimulation of DNA synthesis by TPA. Delescluse C, et al. **Differentiation** 1981; 20(1):87-91

Culture and cytogenetic studies of adult human keratinocytes using a new growth factor. Guedon I, et al. **Differentiation** 1981;19(2):109-14

Ultrastructural and biochemical characterization of a cloned mouse keratinocyte cell line. Robine-Leon S, et al. **Exp Cell Res** 1982 May;139(1):27-37

Fusion-induced differentiation of SV40-infected human keratinocytes. Steinberg ML, et al. **Exp Cell Res** 1982 Jun; 139(2):369–75

Subcultivation of human hair follicle keratinocytes. Weterings PJ, et al. **Exp Cell Res** 1982 Jun;139(2):439–43

Effects of retinoic acid and other retinoids on the growth and differentiation of 3T3 supported human keratinocytes. Kubilus J, et al. **In Vitro** 1981 Sep;17(9):786–95

Requirement of hydrocortisone and insulin for extended proliferation and passage of rat keratinocytes. Vaughan FL, et al. **In Vitro** 1981 Nov;17(11):941–6

Involucrin synthesis and tissue assembly by keratinocytes in natural and cultured human epithelia. Banks-Schlegel S, et al. **J Cell Biol** 1981 Sep;90(3):732–7

Involucrin synthesis is correlated with cell size in human epidermal cultures. Watt FM, et al. **J Cell Biol** 1981 Sep; 90(3):738–42

Pemphigus antibodies identify a cell surface glycoprotein synthesized by human and mouse keratinocytes. Stanley JR, et al. **J Clin Invest** 1982 Aug;70(2):281–8

Separation of epidermal cells by density centrifugation: a new technique for studies on normal and pathological differentiation. Fischer SM, et al. **J Cutan Pathol** 1982 Feb; 9(1):43–9

Epidermal cell (keratinocyte)-derived thymocyte-activating factor (ETAF). Luger TA, et al. **J Immunol** 1981 Oct; 127(4):1493–8

Antigen presentation by murine epidermal langerhans cells and its alteration by ultraviolet B light. Stingl G, et al. **J Immunol** 1981 Oct;127(4):1707–13

An epidermal cell-derived cytokine triggers the in vivo synthesis of serum amyloid A by hepatocytes. Sztein MB, et al. **J Immunol** 1982 Jul;129(1):87–90

Separation of newborn rat epidermal cells on discontinuous isokinetic gradients of PERCOLL. Brysk MM, et al. **J Invest Dermatol** 1981 Aug;77(2):205–9

The effect of the state of differentiation on labeling of epidermal cell surface glycoproteins. Brysk MM, et al. **J Invest Dermatol** 1982 May;78(5):366–70

'Of mice and men' the cell cycle in human epidermis in vivo. Gelfant S. **J Invest Dermatol** 1982 Apr;78(4):296–9

Reactivity of epidermal Langerhans cells to a histochemical method for demonstration of beta-glucuronidase. Mackenzie IC, et al. **J Invest Dermatol** 1982 Mar; 78(3):239–42

Differences of cell surface label distribution and redistribution patterns between mammalian keratinocytes and melanocytes in culture. Schuler G, et al. **J Invest Dermatol** 1981 Oct;77(4):347–52

Cyclic nucleotide content of passaged keratinocytes in culture during various growth stages. Wilkinson DI, et al. **J Invest Dermatol** 1981 Nov;77(5):385–8

Stratification and terminal differentiation of cultured epidermal cells. Watt FM, et al. **Nature** 1982 Feb 4; 295(5848):434–6

Heterogeneity in epidermal basal keratinocytes: morphological and functional correlations. Lavker RM, et al. **Science** 1982 Mar 5;215(4537):1239–41

Epidermal proliferation characteristics are similar in the pila-y canal of mouse hair follicles and in interfollicular epidermis. Clausen OP, et al. **Virchows Arch [Cell Pathol]** 1982;39(3):259–66

Sacciform cells in the skin of teleost fish. Mittal AK, et al. **Z Mikrosk Anat Forsch** 1981;95(4):559–85

Secretion in the epidermis of polypteriform fish. Whitear M. **Z Mikrosk Anat Forsch** 1981;95(4):531–43

[Differentiation antigens of keratinocyte (author's transl)] Saurat JH. **Pathol Biol (Paris)** 1982 Apr;30(4):197–9 **(Fre)**

DRUG EFFECTS

Applications of glucocorticosteroids. The effects of twice-daily vs once-every-other-day applications on mouse epidermal cell DNA synthesis. du Vivier A, et al. **Arch Dermatol** 1982 May;118(5):305–8

Stimulated mouse ear epidermis in explant culture- The effect of retinoic acid and hexadecane. Hammar H. **Arch Dermatol Res** 1981;270(4):469–81

Contractility of isolated stratum granulosum cells. Shelley WB, et al. **Br J Dermatol** 1982 Mar;106(3):311–6

Numerical variation of dark cells in normal and chemically induced hyperplastic epidermis with age of animal and efficiency of tumor promoter. Klein-Szanto AJ, et al. **Cancer Res** 1981 Nov;41(11 Pt 1):4437–40

Phorbol myristate acetate uncouples the relationship between beta-adrenergic receptors and adenyl cyclase in mouse epidermis: a phenotypic trait in papillomas. Belman S, et al. **Carcinog Compr Surv** 1982;7:561–3

Modification of epithelial cell differentiation in vivo by tumor-promoting diterpene esters. Schweizer J. **Carcinog Compr Surv** 1982;7:285–304 (64 ref.)

Effects of retinyl acetate in soluble and encapsulated forms on epidermal cell proliferation in the guinea pig. Pullmann H, et al. **Dermatologica** 1982 Apr;164(4):266–71

Effect of tumor promote phorbol esters on the in vitro keratinization of rat epidermal cells in normal, premalignant and malignant stages. Indo K, et al. **Gan** 1981 Feb; 72(1):123–31

Retinoid stimulates epidermal outgrowth of pig skin explants. Aoyagi T, et al. **J Dermatol (Tokyo)** 1981 Jun;8(3):197–205

The nature of the epidermal growth produced by the first application of 12-0-tetradecanoyl-phorbol-13-acetate on the skin of mice initiated with dimethylbenzanthracene. Argyris TS. **J Invest Dermatol** 1981 Aug;77(2):230–4

Adrenalin has differential effects on epidermal cell cycle progression in mice. Clausen OP, et al. **J Invest Dermatol** 1982 Jun;78(6):472–6

Early metabolic changes in rat epidermis and dermis following cutaneous application of irritant doses of tributyltin. Middleton MC. **J Invest Dermatol** 1982 Sep; 79(3):163–6

Purification and characterization of streptococcal proliferative factor. Rasmussen EO, et al. **J Invest Dermatol** 1981 Aug;77(2):246–9

Effects of a long-term treatment with norethisterone (a progestogen-only contraceptive) on the epidermis, the sebaceous glands, the meibomian gland and the Harderian gland in the cycling female rat. Maiti BR, et al. **Mikroskopie** 1981 Oct;38(9–10):309–13

Increased epidermal DT-diaphorase activity induced by some carcinogens. A possible mechanism explaining the tetrazolium reduction test (TZT) for skin carcinogens--a preliminary report. Iversen OH, et al. **Virchows Arch [Cell Pathol]** 1981;36(2–3):133–8

[The effect of keratinase on human epidermis, especially on stratum corneum (author's transl)] Takiuchi I, et al. **Nippon Hifuka Gakkai Zasshi** 1981 Feb;91(2):119–25 **(Jpn)**

[Effect of epidermal chalones on cell proliferation in regenerating epidermis] Ketlinskii SA. **Tsitologiia** 1981 Jul; 23(7):788–96 (Eng. Abstr.) **(Rus)**

ENZYMOLOGY

The course of culture of human keratinocytes: increase of heat-labile fraction of glucose-6-phosphate dehydrogenase. Kitano Y, et al. **Acta Derm Venereol (Stockh)** 1981;61(5):385–9

Possible activation mechanisms of transglutaminase in epidermis. Negi M, et al. **Arch Dermatol Res** 1981; 271(1):101–5

Subunit interactions in tyrosinase from frog epidermis in immobilized enzyme systems. Iborra JL, et al. **Biochem J** 1981 Sep 1;197(3):581–9

Factors controlling the expressed activity of histidine ammonia-lyase in the epidermis and the resulting accumulation of urocanic acid. Scott IR. **Biochem J** 1981 Mar 15;194(3):829–38

Purification and properties of a neutral endodeoxyribonuclease from guinea pig epidermis. Anai M, et al. **Biochim Biophys Acta** 1981 Dec 28;656(2):183–8

Sunscreens block the induction of epidermal ornithine decarboxylase by ultraviolet-B radiation: a new way of evaluating sunscreen efficacy in vivo. Gange RW, et al. **Br J Dermatol** 1982 Aug;107(2):215–20

Cellular localization of thiol-proteinase inhibitor in the epidermis of the newborn rat. Fukuyama K, et al. **Cell Tissue Res** 1982;223(2):313–23

Psoralen-containing sunscreen induces phototoxicity and epidermal ornithine decarboxylase activity. Walter JF, et al. **J Am Acad Dermatol** 1982 Jun;6(6):1022–7

Two forms of adenosine deaminase in pig epidermis (II). Koizumi H, et al. **J Dermatol (Tokyo)** 1982 Apr;9(2):117–23

The effect of topical drugs on mouse ear epidermal transglutaminase activity. De Young L, et al. **J Invest Dermatol** 1982 Sep;79(3):189–93

Mechanism of regulation of human epidermal transglutaminase. Negi M, et al. **J Invest Dermatol** 1981 Nov;77(5):389–92

Measurement of adenosine 3',5'-monophosphate-dependent protein kinase and phosphorylase activities in in vivo conditions. Nemoto O, et al. **J Invest Dermatol** 1982 Sep; 79(3):170–2

Inhibition by epidermal extracts of the 12-O-tetradecanoylphorbol-13-acetate induced peak of ornithine decarboxylase activity in the mouse epidermis. Astrup EG. **Virchows Arch [Cell Pathol]** 1981;35(3):229–37

[Superoxide dismutase in the epidermis (author's transl)] Ohkuma N, et al. **Nippon Hifuka Gakkai Zasshi** 1982 Apr; 92(5):583–90 **(Jpn)**

IMMUNOLOGY

Immuno-electron microscopical features of in vivo antibody binding during pemphigus blister formation. Revelation with a new technique: peroxidase-labeled protein A. Trost TH, et al. **Arch Dermatol Res** 1981;270(4):463–8

Assessment of anti-stratum corneum antibody titres in pustulosis palmaris et plantaris. Danno K, et al. **Br J Dermatol** 1982 Aug;107(2):183–8

Effect of anthralin on stratum corneum antigenicity and polymorphonuclear leukocyte chemotaxis. Langner A, et al. **Br J Dermatol** 1981 Aug;105 Suppl 20:62–3

The localization of immune complexes in epidermis and upper dermis: electron microscopic studies on reversed passive Arthus reaction. Kohda M, et al. **J Cutan Pathol** 1981 Dec; 8(6):411–20

Binding cells of bullous pemphigoid antibodies to basal cells [letter] Krasny S, et al. **J Invest Dermatol** 1981 Aug; 77(2):251

Hapten specific TNP-reactive cytotoxic effector cells using epidermal cells as targets. Tamaki K, et al. **J Invest Dermatol** 1981 Aug;77(2):225–9

[Mechanisms underlying the development of speckled epidermal nuclear immunofluorescence in patients with high titer antibodies to RNP (author's transl)] Iwatsuki K, et al. **Nippon Hifuka Gakkai Zasshi** 1982 Mar;92(4):515–8 **(Jpn)**

METABOLISM

Epinephrine-induced cyclic AMP accumulation in the psoriatic epidermis. Iizuka H, et al. **Acta Derm Venereol (Stockh)** 1981;61(5):391–5

Prostaglandin E1 in suction-separated human epidermal tissue in primary irritant dermatitis. Kassis V, et al. **Acta Derm Venereol (Stockh)** 1981;61(5):429–31

Modification of human prekeratin during epidermal differentiation. Bowden PE, et al. **Biochem J** 1981 Oct 1; 199(1):145–54

The effect of all-trans-retinoic acid on the synthesis of epidermal cell-surface-associated carbohydrates. King IA, et al. **Biochem J** 1981 Jan 15;194(1):341–51

Effect of tunicamycin on epidermal glycoprotein and glycosaminoglycan synthesis in vitro. King IA, et al. **Biochem J** 1981 Aug 15;198(2):331–8

Histone phosphorylation in phorbol ester stimulated and beta-adrenergically stimulated mouse epidermis in vivo and characterization of an epidermal protein phosphorylation system. Link R, et al. **Biochim Biophys Acta** 1981 Jul; 675(2):265–75

Agonist- and mitogen-induced desensitization of isoproterenol-stimulated cyclic AMP formation in mouse epidermis in vivo. Marks F, et al. **Biochim Biophys Acta** 1981 Nov 18;678(1):122–31

Benzo(a)pyrene metabolism in primary cultures of mouse epidermal cells and untransformed and transformed epidermal cell lines. DiGiovanni J, et al. **Cancer Res** 1982 Jul;42(7):2579–86

Specific high-affinity binding of the phorbol ester tumor promoter 12-O-tetradecanoylphorbol-13-acetate to isolated nuclei and nuclear macromolecules in mouse epidermis. Perrella FW, et al. **Cancer Res** 1982 Sep; 42(9):3496–501

Dynamics of phorbol diester promoters in epidermal cells in culture. Berry DL, et al. **Carcinog Compr Surv** 1982; 7:237–42

Early induction of the arachidonic acid cascade and stimulation of DNA synthesis by TPA in murine and guinea pig epidermal cells in culture. Fürstenberger G, et al. **Carcinog Compr Surv** 1982;7:325–9

Inhibition of DNA synthesis in mouse epidermis and breast epithelium by dehydroepiandrosterone and related steroids. Pashko LL, et al. **Carcinogenesis** 1981;2(8):717–21

Effects of the tumor promoter 12-O-tetradecanoyl-phorbol-13-acetate on newly synthesized proteins in mouse epidermis. Laskin JD, et al. **Cell** 1981 Aug;25(2):441–9

Keratin polypeptide analysis in fetal and in terminally differentiating newborn mouse epidermis. Schweizer J, et al. **Differentiation** 1982;22(1):19–24

Differential lectin binding to mammalian keratinocytes and melanocytes in vitro. Schuler G, et al. **Eur J Cell Biol** 1982 Apr;27(1):88–95

Histochemical study of mucopolysaccharides in epidermal mucous cells and subjacent granular cells of Glossoscolex uruguayensis L. (Righi, 1978). Dall Pai VD, et al. **Folia Histochem Cytochem (Krakow)** 1981;19(2):107–13

Penetration of topical corticosteroids through human epidermis. Osamura H. **J Dermatol (Tokyo)** 1982 Feb; 9(1):45–58

Glucocorticoid receptors of normal human epidermis. Epstein EH Jr, et al. **J Invest Dermatol** 1982 Feb; 78(2):144–6

The effects of alpha and beta adrenergic agonists and cyclic adenosine 3':5'-monophosphate on epidermal metabolism. Harris RR, et al. **J Invest Dermatol** 1981 Oct;77(4):337–40

Pig skin epidermal calmodulin: effect on calmodulin deficient phosphodiesterase. Iizuka H, et al. **J Invest Dermatol** 1982 Mar;78(3):230–3

Epidermal growth factor receptor in human epidermal cells: direct demonstration in cultured cells. O'Keefe E, et al. **J Invest Dermatol** 1982 Jun;78(6):482–7

Laminin and bullous pemphigoid antigen are distinct basement membrane proteins synthesized by epidermal cells. Stanley JR, et al. **J Invest Dermatol** 1982 Jun; 78(6):456–9

Synthesis of keratin proteins during maturation of cultured human keratinocytes. Taichman LB, et al. **J Invest Dermatol** 1982 Jun;78(6):464–7

Activation of cAMP-dependent protein kinase in epidermis by the compounds which increase epidermal cAMP. Yoshikawa K, et al. **J Invest Dermatol** 1981 Nov; 77(5):397–401

Ganglioside changes induced by tumor promoters in promotable JB6 mouse epidermal cells: antagonism by an antipromoter. Srinivas L, et al. **JNCI** 1982 Mar; 68(3):469–73

Comparison of the effects of age and phorbol myristate acetate on the beta-adrenergic system in mouse epidermis. Garte SJ, et al. **Mech Ageing Dev** 1982 Mar;18(3):209–14

[The experimental study of epidermal growth factor -effects of epidermal growth factor on the cyclic nucleotide system and protein phosphorylation in pig epidermis- (author's transl)] Aoyagi T. **Hokkaido Igaku Zasshi** 1981 May; 56(3):319–33 (Eng. Abstr.) **(Jpn)**

[Utilization of mononuclear DNA by regeneration epidermis] Panchenko KI. **Biull Eksp Biol Med** 1981 Aug;92(8):103–5

(Eng. Abstr.) **(Rus)**

[Histidine-rich protein synthesis in the mouse epidermis in the early periods after stimulation of epidermocyte proliferation and the effect of chalones] Ketlinskiĭ SA, et al. **Tsitologiia** 1981 Dec;23(12):1395–402 (Eng. Abstr.) **(Rus)**

MICROBIOLOGY

Human papilloma viral DNA replicates as a stable episome in cultured epidermal keratinocytes. LaPorta RF, et al. **Proc Natl Acad Sci USA** 1982 Jun;79(11):3393–7

PATHOLOGY

The effect of occlusive treatment on human skin: an electron microscopic study on epidermal morphology as affected by occlusion and dansyl chloride. Lindberg M, et al. **Acta Derm Venereol (Stockh)** 1982;62(1):1–5

Is the so-called epidermal collarette formed by epidermal or adnexal epithelium? Jacoby RA, et al. **Am J Dermatopathol** 1982 Apr;4(2):117–24

Cytokinetic effects of anthralin on psoriatic keratinocytes. Pullmann H, et al. **Br J Dermatol** 1981 Aug;105 Suppl 20:55–6

Epidermal tumor promotion by regeneration. Argyris TS. **Carcinog Compr Surv** 1982;7:43–8

The regulation of epidermal hyperplastic growth. Argyris TS. **CRC Crit Rev Toxicol** 1981;9(2):151–200 (176 ref.)

Abnormal epidermal keratinization in the repeated epilation mutant mouse. Holbrook KA, et al. **J Cell Biol** 1982 Feb; 92(2):387–97

Epidermal characteristics related to skin cancer susceptibility. Gregg K, et al. **J Invest Dermatol** 1982 Sep;79(3):178–82

[Regenerative activity of the epidermal cells during the healing of 3d degree burns in rats] Kopec J. **Pol Tyg Lek** 1981 Aug 10;36(32):1213–4 (Eng. Abstr.) **(Pol)**

[Epidermal changes in late recurrences of psoriasis after photochemotherapy] Kazantseva IA, et al. **Vestn Dermatol Venerol** 1981;(10):4–7 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

New views on epidermis and its langerhans cells in the normal state and in contact dermatitis. Falck B, et al. **Acta Derm Venereol [Suppl] (Stockh)** 1981;99:1–52

Wound healing of the integument in the 5-day chick embryo. Thévenet A. **Arch Anat Microsc Morphol Exp** 1981; 70(4):227–44

A fluorescence photographic photometric technique to assess stratum corneum turnover rate and barrier function in vivo. Finlay AY, et al. **Br J Dermatol** 1982 Jul;107(1):35–41

Studies on the regeneration of the skin barrier and the changes in 32P incorporation into the epidermis after stripping. Komatsu H, et al. **Br J Dermatol** 1982 May; 106(5):551–60

A comparative study on wound-healing in neonatal and adult mouse epidermis in vivo. Bertsch S, et al. **Cell Tissue Kinet** 1982 Jan;15(1):81–7

Avian scale development. IX. Scale formation by scaleless (sc/sc) epidermis under the influence of normal scale dermis. McAleese SR, et al. **Dev Biol** 1982 Feb; 89(2):493–502

Avian scale development. VII. Relationships between morphogenetic and biosynthetic differentiation. O'Guin WM, et al. **Dev Biol** 1982 Feb;89(2):485–92

The genesis and transmission of epidermal potentials in an amphibian embryo. Sato E, et al. **Dev Biol** 1981 Nov; 88(1):137–46

Failure to induce incubation behavior with estradiol and prolactin and hormonal induction of brood patches in Japanese quail (Coturnix coturnix japonica). Höhn EO. **Gen Comp Endocrinol** 1981 Jul;44(3):396–9

Morphogenesis of the epidermis of adult abdomen of Drosophila. Madhavan MM, et al. **J Embryol Exp Morphol** 1980 Dec;60:1–31

Transepidermal water loss as a function of skin surface temperature. Mathias CG, et al. **J Invest Dermatol** 1981 Aug;77(2):219–20

Induction of lymphocyte differentiation by epidermal cultures. Rubenfeld MR, et al. **J Invest Dermatol** 1981 Aug; 77(2):221–4

Water sorption-desorption test of the skin in vivo for functional assessment of the stratum corneum. Tagami H, et al. **J Invest Dermatol** 1982 May;78(5):425–8

Patterns of epidermal cell polarity in healing open wounds. Alexander SA. **J Surg Res** 1981 Dec;31(6):456–62

Epidermis of human skin: pyroelectric and piezoelectric sensor layer. Athenstaedt H, et al. **Science** 1982 May 28; 216(4549):1018–20

Glycolipids in mammalian epidermis: structure and function in the water barrier. Wertz PW, et al. **Science** 1982 Sep 24;217(4566):1261–2

[Epidermal homeostasis and the problem of psoriasis] Khaliavkin AV. **Izv Akad Nauk SSSR [Biol]** 1982;(1):156–9 (22 ref.) (Eng. Abstr.) **(Rus)**

RADIATION EFFECTS

Variations in epidermal cytochrome oxidase activity after local irradiation. Itoiz ME, et al. **Histochem J** 1982 Mar; 14(2):205–13

ULTRASTRUCTURE

Histochemical basis of the vertebrate epidermis differentiation in the comparative aspects. Mogilnaya G, et al. **Acta Histochem (Jena)** 1982;70(2):214–23

Ultrastructural observations on nerve fibres in a freshwater teleost epidermis. Ferri S. **Anat Histol Embryol** 1982 Mar; 11(1):76–80

Epidermal vacuolation: an artifact due to injection of local anesthetics. Kimura S, et al. **Arch Dermatol Res** 1981; 270(4):413–9

Immunoperoxidase visualization of Langerhans cells in human epidermal sheets by light and electron microscopy. Greveson JP, et al. **Br J Dermatol** 1982 Aug;107(2):225–8

Effects of external osmolality, calcium and prolactin on growth and differentiation of the epidermal cells of the cichlid teleost Sarotherodon mossambicus. Wendelaar Bonga SE, et al. **Cell Tissue Res** 1981;221(1):109–23

The lamellar granules of epidermis. Odland GF, et al. **Curr Probl Dermatol** 1981;9:29–49 (107 ref.)

Microenvironment of Woringer-Kolopp's disease. Geerts ML, et al. **Dermatologica** 1982 Jan;164(1):15–29

Locomotion of Xenopus epidermis cells in primary culture. Bereiter-Hahn J, et al. **J Cell Sci** 1981 Dec;52:289–311

Isolation and characterization of the membraneous fraction in human stratum corneum. Manabe M, et al. **J Dermatol (Tokyo)** 1981 Aug;8(4):329–33

Intraepidermal free nerve endings in guinea pigs: their relationship to epidermal keratinocytes. Mihara M, et al. **J Dermatol (Tokyo)** 1982 Apr;9(2):107–16

Fine structural and morphometric studies of the Merkel cell during fetal and postnatal development. Ochiai T, et al. **J Invest Dermatol** 1981 Dec;77(6):437–43

Epidermal feet in insect morphogenesis. Locke M, et al. **Nature** 1981 Oct 29;293(5835):733–5

Characterization of a class of cationic proteins that specifically interact with intermediate filaments. Steinert PM, et al. **Proc Natl Acad Sci USA** 1981 Jul;78(7):4097–101

[Cell culture of normal human epidermis and skin cancer with 3T3 feeders. The establishment of a cancer cell line and its application to the study for the immune response of the autologous patient (author's transl)] Kondo S. **Hokkaido Igaku Zasshi** 1981 Sep;56(5):529–39 (Eng. Abstr.) **(Jpn)**

[Characteristics of horny cell membrane isolated from human stratum corneum (author's transl)] Hirotani T, et al. **Nippon Hifuka Gakkai Zasshi** 1981 May;91(6):677–80 **(Jpn)**

[Scanning electron microscopic investigations of outgrown epidermal cells from the patients of Hailey-Hailey's disease and Darier's disease (author's transl)] Ishibashi Y, et al. **Nippon Hifuka Gakkai Zasshi** 1981 Aug;91(9):925–35 **(Jpn)**

EPIDERMOLYSIS BULLOSA

Airway management during anesthesia in patients with epidermolysis bullosa dystrophica. James I, et al. **Anesthesiology** 1982 Apr;56(4):323–6

The mechanobullous diseases. Hereditary epidermolysis bullosa and epidermolysis bullosa acquisita. Thiers BH. **J Am Acad Dermatol** 1981 Dec;5(6):745–8 (28 ref.)

BLOOD

Nonlinear kinetics of phenytoin in children. Dodson WE. **Neurology (NY)** 1982 Jan;32(1):42–8

CHEMICALLY INDUCED

[Hematologic and dermatologic side-effects of antibiotic therapy] Kuntz HD, et al. **Med Klin [Prax]** 1982 Mar 12; 77(6):46–53 (Eng. Abstr.) **(Ger)**

COMPLICATIONS

Clinical manifestations of epidermolysis bullosa dystrophica. Johnston DE, et al. **Dig Dis Sci** 1981 Dec;26(12):1144–9

Epidermolysis bullosa acquisita and inflammatory bowel disease. Ray TL, et al. **J Am Acad Dermatol** 1982 Feb; 6(2):242–52

Upper airway and external genital involvement in epidermolysis bullosa dystrophica. Shackelford GD, et al. **Radiology** 1982 May;143(2):429–32

[A new case of epidermolysis bullosa dystrophica in a fifteen years old girl operated upon for pulmonary stenosis with a cardiopulmonary bypass (author's transl)] Blanloeil Y, et al. **Anesth Analg (Paris)** 1981;38(7–8):393–7 (Eng. Abstr.) **(Fre)**

[Pyloric atresia associated with epidermolysis bullosa : a new case (author's transl)] Defawe G, et al. **Arch Fr Pediatr** 1981 Aug-Sep;38(7):511–2 (Eng. Abstr.) **(Fre)**

[Surgical treatment of syndactylia in recessive dystrophic epidermolysis bullosa (author's transl)] Lamesch A, et al. **Z Kinderchir** 1982 Mar;35(3):118–20 (Eng. Abstr.) **(Ger)**

[Oral manifestations of epidermolysis bullosa] Cattabriga M, et al. **Minerva Stomatol** 1981 Sep-Oct;30(5):409–12 (Eng. Abstr.) **(Ita)**

CONGENITAL

Epidermolysis bullosa letalis associated with congenital pyloric atresia. Peltier FA, et al. **Arch Dermatol** 1981 Nov; 117(11):728–31

DIAGNOSIS

Immunoelectron microscopic findings in cicatricial pemphigoid: their significance in relation to epidermolysis bullosa acquisita. Nieboer C, et al. **Br J Dermatol** 1982 Apr;106(4):419–21

Kindler's syndrome. Report of a case. Bordas X, et al. **J Am Acad Dermatol** 1982 Feb;6(2):263–5

Epidermolysis bullosa acquisita: a heterogeneous disease. Palestine RF, et al. **J Am Acad Dermatol** 1981 Jul; 5(1):43–53

A fatal case of junctional epidermolysis bullosa (Herlitz-Pearson). Hiejima M, et al. **J Dermatol (Tokyo)** 1981 Dec;8(6):483–6

Prenatal diagnosis of epidermolysis bullosa dystrophica Hallopeau-Siemens with electron microscopy of fetal skin. Anton-Lamprecht I, et al. **Lancet** 1981 Nov 14; 2(8255):1077–9

[Acquired epidermolysis bullosa with Crohn's disease. Report of two cases and review of literature (author's transl)] Chouvet B, et al. **Ann Dermatol Venereol** 1982;109(1):53–63 (53 ref.) (Eng. Abstr.) **(Fre)**

[Epidermolysis bullosa acquisita: diagnosis by optic immunofluorescent demonstration of junctional antigens and vitamin E treatment] Hintner H, et al. **Hautarzt** 1982 Jun;33(6):310–4 (Eng. Abstr.) **(Ger)**

DRUG THERAPY

Therapeutic considerations in recessive dystrophic epidermolysis bullosa. Bauer EA, et al. **Arch Dermatol** 1981 Sep;117(9):529–30

ENZYMOLOGY

Human skin collagenase in recessive dystrophic epidermolysis bullosa. Purification of a mutant enzyme from fibroblast cultures. Stricklin GP, et al. **J Clin Invest** 1982 Jun; 69(6):1373–83

Abnormalities in collagenase expression as in vitro markers for recessive dystrophic epidermolysis bullosa. Bauer EA. **J Invest Dermatol** 1982 Jul;79 Suppl 1:105s–108s

FAMILIAL & GENETIC

Generalized atrophic benign epidermolysis bullosa. Hintner H, et al. **Arch Dermatol** 1982 Jun;118(6):375–84

Ultrastructure of blister formation in epidermolysis bullosa hereditaria: V. Epidermolysis bullosa simplex localisata type Weber-Cockayne. Haneke E, et al. **J Invest Dermatol** 1982 Mar;78(3):219–23

Enhanced cell-free translation of human skin collagenase in recessive dystrophic epidermolysis bullosa. Kronberger A, et al. **J Invest Dermatol** 1982 Sep;79(3):208–11

METABOLISM

Epidermolysis bullosa. Bauer EA. **Birth Defects** 1981; 17(2):173–90 (33 ref.)

NURSING

Epidermolysis bullosa: an inherited skin disorder. Artnak KE, et al. **Am J Nurs** 1981 Oct;81(10):1837–40

OCCURRENCE

Epidermolysis bullosa [letter] **Arch Dermatol** 1982 Jun; 118(6):371–2

PATHOLOGY

Sixteen types of epidermolysis bullosa. On the clinical discrimination, therapy and prenatal diagnosis. Gedde-Dahl T Jr. **Acta Derm Venereol [Suppl] (Stockh)** 1981;95:74–87

Ultrastructural and immuno-electron microscopic study in a case of epidermolysis bullosa acquisita. Nilsen R, et al. **Acta Pathol Microbiol Scand [A]** 1981 Nov;89(6):451–4

Epidermolysis bullosa herpetiformis Dowling-Meara. Report of a case and pathomorphogenesis. Anton-Lamprecht I, et al. **Dermatologica** 1982 Apr;164(4):221–35

[Electron microscopic study of 2 different types of epidermolysis bullosa simplex] Niemi KM. **Duodecim** 1981; 97(23–24):1926–32 (Eng. Abstr.) **(Fin)**

[Epidermolysis bullosa acquisita (EBA). Morphological, immunocytochemical, optical and ultrastructural study about one case (author's transl)] Wechsler J, et al. **Ann Pathol** 1982;2(1):49–56 (Eng. Abstr.) **(Fre)**

[Albopapuloid epidermolysis bullosa (Pasini's disease)] Alonso AM, et al. **Med Cutan Iber Lat Am** 1981;9(4):307–10 (Eng. Abstr.) **(Por)**

[Epidermolysis bullosa of the hands and feet. Apropos of 2 cases] Giménez M, et al. **Actas Dermosifiliogr** 1981 Jul-Aug;72(7–8):357–60 (Eng. Abstr.) **(Spa)**

PREVENTION & CONTROL

Epidermolysis Bullosa Research Association [editorial] Barclay WR. **JAMA** 1981 Nov 13;246(19):2194

RADIOGRAPHY

[Radiomorphology of the F.P. Weber type of angiodysplasia] Langer M, et al. **Vasa** 1982;11(1):21–8 (Eng. Abstr.) **(Ger)**

SURGERY

[The operative treatment of epidermolysis bullosa hereditaria (author's transl)] von Rauffer L, et al. **Z Kinderchir** 1981 Jun;33(2):175–81 (Eng. Abstr.) **(Ger)**

THERAPY

Adjunctive therapy for epidermolysis bullosa [letter] Mallory SB. **J Am Acad Dermatol** 1982 May;6(5):951–2

EPIDERMOPHYTON

METABOLISM

Metabolism of lipids in Epidermophyton floccosum. Chopra A, et al. **Indian J Med Res** 1981 Mar;73:325–30

ULTRASTRUCTURE

Scanning electron microscopic study of dermatophyte colonies on agar surface. Elmros T, et al. **Mykosen** 1981 Mar;24(3):181–6

EPIDERMOPHYTOSIS see **TINEA**

EPIDERMOTOXINS see **DERMOTOXINS**

EPIDIDYMIS

Epididymal sarcoidosis in a prepubertal child. Weinberg A, et al. **Am J Dis Child** 1982 Jan;136(1):71–2

Retroperitoneal epididymal structures in adult male. Ayano Y, et al. **Eur Urol** 1982;8(1):52–3

Inhibition of the guinea-pig sperm acrosome reaction by a low molecular weight factor(s) in epididymal fluid and serum. Hyne RV, et al. **J Reprod Fertil** 1982 Jan; 64(1):151–7

A specific cytolytic T cell response induced by subcutaneous challenge with allogeneic rat epididymal spermatozoa. Thomas IK, et al. **J Reprod Immunol** 1981 Jul;3(3):157–64

Adenomatoid tumor of the male genital tract: report of three cases, one associated with adrenal cortical rest. Lodeville D, et al. **Pathologica** 1981 Jul–Aug;73(1026):629–37 (53 ref.)

[Leiomyoma of the epididymis. Report of a case. Marasà L, et al. **Pathologica** 1981 Jul–Aug;73(1026):677–80

Angiofibroma of the epididymis. Mathew T. **Pathology** 1981 Jul;13(3):625–30

Metastases in epididymides from papillary adenocarcinoma of prostate. Cia EM, et al. **Urology** 1981 Dec;18(6):607–8

Spontaneous bleeding into epididymis and vas. Fanous H, et al. **Urology** 1982 Aug;20(2):186–7

Technique for bilateral orchiectomy leaving epididymis. Moorhead D, et al. **Urology** 1981 Sep;18(3):294

[A high resolution realtime ultrasonic procedure in the examination of the testis and epididymis] Terwey B, et al. **Rontgenpraxis** 1981;34(8):339–42 **(Ger)**

[Bilateral and multiple ipsilateral torsion of the appendices testis in children (author's transl)] Bianchi M, et al. **Pediatr Med Chir** 1981 Jul–Aug;3(4):313–4 **(Ita)**

ABNORMALITIES

Testicular atrophy associated with agenesis of the epididymis in the ACI rat. Marshall FF, et al. **J Urol** 1982 Jan; 127(1):155–8

[Three cases of ectopia of the ureter opening into the seminal vesicle and the epididymis (author's transl)] Ostermayer H, et al. **Urologe [Ausg A]** 1981 Nov;20(6):389–91 (Eng. Abstr.) **(Ger)**

[Non-union of the testicle with the epididymis in undescended testis (author's transl)] Procher G, et al. **Z Kinderchir** 1981 Feb;32(2):167–71 (Eng. Abstr.) **(Ger)**

ANALYSIS

Zinc in the epididymal and vasal spermatozoa of rhesus monkey (Macaca mulatta). Srivastava A, et al. **Arch Androl** 1982 Mar;8(2):117–20

Testosterone, dihydrotestosterone, and zinc concentrations in human testis and epididymis. Suescun MO, et al. **Arch Androl** 1981 Dec;7(4):297–303

Purification and characterization of androgen binding protein from rabbit epididymis. Cheng SL, et al. **Biochemistry** 1982 May 11;21(10):2400–5

Immunocytochemical localization of androgen binding protein in rat Sertoli and epididymal cells. Attramadal A, et al. **Biol Reprod** 1981 Dec;25(5):983–8

A cautionary note on the determination of forward motility protein activity with ovine epididymal spermatozoa. Stephens DT, et al. **Biol Reprod** 1981 Dec;25(5):945–9

The clinical implications of epididymal levels of tetracycline. Warner JJ, et al. **Invest Urol** 1981 Sep;19(2):92–3

[Studies of androgen binding protein. 1st report: Androgen binding protein in testis and epididymis of rabbit and human (author's transl)] Oota S. **Nippon Naibunpi Gakkai Zasshi** 1981 Oct 20;57(10):1531–9 (Eng. Abstr.) **(Jpn)**

ANATOMY & HISTOLOGY

Biology of the scrotum. I. Temperature and androgen as determinants of the sperm storage capacity of the rat cauda epididymidis. Foldesy RG, et al. **Biol Reprod** 1982 May; 26(4):673–82

Predicting percent fat in mice. Eisen EJ, et al. **Growth** 1981 Summer;45(2):100–7

[Regional histology of the epididymis in the South American opossum. Light microscope study] Orsi MA, et al. **Anat Anz** 1981;150(5):521–8 (Eng. Abstr.) **(Fre)**

[Morphology and zonal division of the ductus epididymidis of rats. I. Investigation of semithin-sections (author's transl)] Zunke U, et al. **Anat Anz** 1981;149(5):409–24 (Eng. Abstr.) **(Ger)**

[Three-dimensional structure of the human epididymis (author's transl)] Togawa Y, et al. **Nippon Hinyokika Gakkai Zasshi** 1981 May;72(5):597–600 (Eng. Abstr.) **(Jpn)**

BLOOD SUPPLY

Microvasculature of the mouse testis and excurrent duct system. Suzuki F. **Am J Anat** 1982 Apr;163(4):309–25

The blood epididymal barrier to [3H]-inulin in intact and vasectomized hamsters. Turner TT, et al. **Invest Urol** 1981 Sep;19(2):89–91

[Study of the vascularization of the epididymis] Clavert A, et al. **Bull Assoc Anat (Nancy)** 1980 Dec;64(187):539–46 (Eng. Abstr.) **(Fre)**

CYTOLOGY

Comparison of phosphorylated proteins in intact rat spermatozoa from caput and cauda epididymidis. Chulavatnatol M, et al. **Biol Reprod** 1982 Feb;26(1):197–207

Culture of principal cells from the rat caput epididymidis. Klinefelter GR, et al. **Biol Reprod** 1982 Jun;26(5):885–901

Biology of the scrotum. III. Effects of abdominal temperature upon the epithelial cells of the rat cauda epididymidis. Rasweiler JJ 4th, et al. **Biol Reprod** 1982 May;26(4):691–705

Cell specific action of 5-thio-D-glucose in mouse testis. Brady KD, et al. **J Hered** 1981 Sep–Oct;72(5):347–50

[Effects on the mouse epididymis of juvenile ligation of the ductuli efferentes or proximal epididymal duct: qualitative and quantitative histological studies (author's transl)] Takano H, et al. **Hokkaido Igaku Zasshi** 1981 Mar; 56(2):133–41 (Eng. Abstr.) **(Jpn)**

[Changes in the mouse epididymis after ligation of the ductuli efferentes or proximal epididymal duct: qualitative and quantitative histological studies (author's transl)] Takano H, et al. **Kaibogaku Zasshi** 1981 Apr;56(2):79–90 (Eng. Abstr.) **(Jpn)**

DRUG EFFECTS

Flutamide as an androgen antagonist on epididymal function in the rat. Dhar JD, et al. **Andrologia** 1982 Jan–Feb; 14(1):55–61

Interference with epididymal physiology as possible site of male contraception. Reyes A, et al. **Arch Androl** 1981 Sep; 7(2):159–68

Effects of CA on the epididymis of intact, castrated and TP-treated langurs (Presbytis entellus entellus Dufresne). Gupta CL, et al. **Experientia** 1981;37(9):1033–4

Effects of oxytocin and vasopressin on electrical and mechanical activity of the rat epididymis in vitro. Jaakkola UM, et al. **J Reprod Fertil** 1981 Sep;63(1):47–51

Effects of adrenergic and cholinergic drugs on electrical and mechanical activities of the rat cauda epididymidis in vitro. Laitinen L, et al. **J Reprod Fertil** 1981 Sep;63(1):205–9

[Ultrastructure of the epithelium of the guinea-pig epididymis and its changes after treatment with cyproterone acetate] Bondi C, et al. **Arch Ital Anat Embriol** 1980;85(4):373–89 (Eng. Abstr.) **(Ita)**

ENZYMOLOGY

Histochemical studies on genetical control of hormonal enzyme inducibility in the mouse. V. Histochemical evidence for androgen inducibility of beta-glucuronidase in the epididymis. Blecher SR, et al. **Acta Histochem (Jena)** 1982;70(1):8–21

Possible participation of glycosyl transferases in the maturation of spermatozoa. Bernal A. **Arch Invest Med (Mex)** 1981;12(4):463–74 (39 ref.) **(Eng, Spa)**

Regulation of epididymal glutathione S-transferases: effects of orchidectomy and androgen replacement. Robaire B, et al. **Biol Reprod** 1982 May;26(4):559–65

HYpophysectomy and simultaneous testosterone replacement: effects on male rat reproductive tract and epididymal delta 4-5 alpha-reductase and 3 alpha-hydroxysteroid dehydrogenase. Robaire B, et al. **Endocrinology** 1981 Oct;109(4):1225–33

Glutathione-degrading enzymes of microvillus membranes. Kozak EM, et al. **J Biol Chem** 1982 Jun 10;257(11):6322–7

Purification and properties of cyclic AMP-dependent protein kinase from rat epididymis. Biswas R, et al. **J Reprod Fertil** 1982 May;65(1):29–37

Angiotensin I converting enzyme in rat testis, epididymis and vas deferens under different conditions. Hohlbrugger G, et al. **J Reprod Fertil** 1982 May;65(1):97–103

Kinetic properties of the soluble 3 alpha-hydroxysteroid dehydrogenase from rat testis and epididymis. Hastings C, et al. **J Steroid Biochem** 1981 Aug;14(8):705–11

Epididymal aldehyde dehydrogenase: a pharmacologic profile. Messiha FS. **Prog Biochem Pharmacol** 1981; 18:167–78

Steroid sulfotransferase in hamster epididymis. Bouthillier M, et al. **Steroids** 1981 Nov;38(5):523–35

Histoenzymic studies on the epididymis of camel. Al-Shaikhly AK, et al. **Z Mikrosk Anat Forsch** 1981; 95(2):217–22

[Localization of beta-n-acetylhexosaminidase in stallion epididymis (author's transl)] Skolek-Winnisch R, et al. **Acta Histochem (Jena)** 1981;69(1):77–84 (Eng. Abstr.) **(Ger)**

GROWTH & DEVELOPMENT

Proliferative activity in the rat epididymis during postnatal development. Sun EL, et al. **Anat Rec** 1982 Jun; 203(2):273–84

Ductuli efferentes of the bull-a morphological, experimental and developmental study. Goyal HO, et al. **Andrologia** 1981 Jul–Aug;13(4):292–306

Glycogen metabolism in epididymal spermatozoa of developing mice. Panse GT, et al. **Indian J Exp Biol** 1981 Feb;19(2):183–5

IMMUNOLOGY

Analysis of the sperm surface with monoclonal antibodies: topographically restricted antigens appearing in the epididymis. Feuchter FA, et al. **Biol Reprod** 1981 Jun; 24(5):1099–110

Epididymal secretion of a mouse sperm surface component recognized by a monoclonal antibody. Vernon RB, et al. **Biol Reprod** 1982 Apr;26(3):523–35

Teratocarcinoma antigen is secreted by epididymal cells and coupled to maturing sperm. Fox N, et al. **Exp Cell Res** 1982 Feb;137(2):485–8

Immunohistochemical evidence for secretory activity in the testes and epididymis of the bull. Pavlović M, et al. **Folia Morphol (Praha)** 1981;29(3):234–6

Major histocompatibility antigens are not expressed on human epididymal sperm. Anderson DJ, et al. **J Immunol** 1982 Aug;129(2):452–4

INNERVATION

[The effect of vasectomy on the autonomic innervation of the vas deferens and epididymis in rats (author's transl)] Takano M. **Nippon Hinyokika Gakkai Zasshi** 1981 Oct; 72(10):1280–97 (Eng. Abstr.) **(Jpn)**

METABOLISM

Sperm motility-inhibiting factor in rat epididymis. Turner TT, et al. **Am J Physiol** 1982 Mar;242(3):R199–203

Characterization of hormonally regulated secretory proteins from the caput epididymidis of the rabbit. Jones R, et al. **Biochem J** 1981 Apr 15;196(1):105–14

Labelling of membrane glycoproteins on rat spermatozoa collected from different regions of the epididymis. Jones R, et al. **Biochem J** 1981 Nov 15;200(2):457–60

Secretion of proteins and glycoproteins by the rat epididymis: regional differences, androgen-dependence, and effects of protease inhibitors, procaine, and tunicamycin. Brooks DE. **Biol Reprod** 1981 Dec;25(5):1099–117

Transfer of steroids across the hamster blood testis and blood epididymal barriers. Turner TT, et al. **Biol Reprod** 1981 Sep;25(2):342–8

Biology of the scrotum. II. Suppression by abdominal temperature of transepithelial ion and water transport in the cauda epididymidis. Wong PY, et al. **Biol Reprod** 1982 May;26(4):683–9

The microheterogeneity of rat androgen-binding protein from the testis, rete testis fluid, and epididymis, as demonstrated by immunoelectrophoresis and photoaffinity labeling. Larrea F, et al. **Endocrinology** 1981 Oct; 109(4):1212–20

Effect of norethindrone acetate on glycogen & phosphorylase of adult rat testes & epididymis. Sengupta D, et al. **Indian J Exp Biol** 1981 Jul;19(7):649–50

Age-related changes in the metabolism of [3H] testosterone in vitro by the epididymis of the immature rat. Foldesy RG, et al. **J Endocrinol** 1981 Oct;91(1):43–51

Effects of short-term bilateral and unilateral castration and androgen replacement on the metabolism of [3H] testosterone in vitro by the epididymis of the immature rat. Foldesy RG, et al. **J Endocrinol** 1981 Oct;91(1):53–60

Carnitine content of rabbit epididymal spermatozoa in organ culture. Casillas ER, et al. **J Reprod Fertil** 1982 May; 65(1):247–51

Identification of androgen-dependent glycoproteins in the hamster epididymis and their association with spermatozoa. González Echeverría FM, et al. **J Reprod Fertil** 1982 Jan; 64(1):1–7

Permeability characteristics of the epithelium in the rat caput epididymidis. Hinton BT, et al. **J Reprod Fertil** 1981 Sep; 63(1):95–9

Effect of oestradiol valerate on the rat blood--testis and blood--epididymal barriers to [3H]inulin. Turner TT, et al. **J Reprod Fertil** 1981 Nov;63(2):355–8

Androgen steroid-receptor binding in the canine epididymis. Younes MA, et al. **Prostate** 1981;2(2):133–42

[Glucose metabolism in the epididymal adipose tissue of rats with chronic renal failure] Rutkowski B, et al. **Pol Arch Med Wewn** 1981 Oct;66(4):281–8 (Eng. Abstr.) **(Pol)**

[Mechanism of action of androgen hormones in the target cells (author's transl)] Sabolić I, et al. **Lijec Vjesn** 1981 Sep;103(9):404–9 (54 ref.) (Eng. Abstr.) **(Scr)**

PATHOLOGY

Effects on the efferent ducts in Macaca mulatta. Marsh LD, et al. **Am J Pathol** 1982 Jun;107(3):310–5

Monstrous epithelial cells in human epididymis and seminal vesicles. A pseudomalignant change. Kuo T, et al. **Am J Surg Pathol** 1981 Jul;5(5):483–90

Epididymal sperm granuloma. El-Beheiry AH, et al. **Arch Androl** 1982 Feb;8(1):65–7

Appearance of peculiar epithelial cells in the epididymal duct of the mouse ligated epididymis. Abe K, et al. **Biol Reprod** 1982 Apr;26(3):501–9

Origin of adenomatoid tumor: a comparison between the structure of adenomatoid tumor and epididymal duct cells. Söderström KO. **Cancer** 1982 Jun 1;49(11):2349–57

Morphology of the epididymal region of turkeys producing abnormal yellow semen. Hess RA, et al. **Poult Sci** 1982 Mar;61(3):531–9

Epididymal metastasis from prostatic carcinoma. Addonizio JC, et al. **Urology** 1981 Nov;18(5):490–1

[Epididymal hypertrophy after subepididymal hemicastration] Cranz C, et al. **Bull Assoc Anat (Nancy)** 1981 Sep;65(190):265–8 (Eng. Abstr.) **(Fre)**

[Congenital or acquired obstructions of the human epididymis: study of the motility of the spermatozoa above the obstruction] Guerin JF, et al. **Bull Assoc Anat (Nancy)** 1981 Sep;65(190):297–306 (Eng. Abstr.) **(Fre)**

[A vaginal processus with a descended epididymis and a complete cryptorchism at the same site in an adult (author's transl)] Böhnel P, et al. **Z Kinderchir** 1982 Jan;35(1):38–40 (Eng. Abstr.) **(Ger)**

PHYSIOLOGY

Effects of Danazol on the epididymal function in male langurs (Presbytis entellus entellus Dufresne). Gupta CL, et al. **Andrologia** 1981 Jul–Aug;13(4):314–21

Micropuncture and microperfusion techniques for the study of testicular physiology. Hinton BT, et al. **Ann NY Acad Sci** 1982;383:29–43 (28 ref.)

Sperm surface changes during epididymal maturation. Olson GE, et al. **Ann NY Acad Sci** 1982;383:372–92

Changes in trophic and functional parameters of the rat epididymis during sexual maturation. de Larminat MA, et al. **Biol Reprod** 1981 Nov;25(4):813–9

Development of the ability to bind to zonae pellucidae during epididymal maturation: reversible immobilization of mouse–spermatozoa by lanthanum. Saling PM. **Biol Reprod** 1982 Apr;26(3):429–36

Effect of local application of guanethidine to epididymis on fertility in rats. Ratnasooriya WD, et al. **Indian J Exp Biol** 1981 Sep;19(9):867–70

Effect of vasectomy on the epididymis of a non-scrotal mammal Suncus murinus L. Singh SK, et al. **Indian J Exp Biol** 1981 Oct;19(10):912–4

A correlative study of the restorative effects of endogenous and exogenous hormones on the leydig cells, the testis and the epididymis of the regressed hedgehog. Effects of hormones on hedgehog Leydig cells. Bidwai PP, et al. **Int J Androl** 1981 Oct;4(5):590–605

Response of the epididymal duct in the corpus epididymidis to efferent or epididymal duct ligation in the mouse. Abe K, et al. **J Reprod Fertil** 1982 Jan;64(1):69–72

Relation of electrical activity to luminal transport in the cauda epididymidis of the rat in vitro. Jaakkola UM, et al. **J Reprod Fertil** 1982 Jan;64(1):121–6

Impact of socio-sexual conditions on the epididymis and fertility in the male mouse. Rastogi RK, et al. **J Reprod Fertil** 1981 Nov;63(2):331–4

Thermal characteristics of the testis and epididymis of the boar. Stone BA. **J Reprod Fertil** 1981 Nov;63(2):551–7

Isolation of cells from rat seminal vesicles and epididymis and their use in studying androgen action. Higgins SJ, et al. **Mol Cell Endocrinol** 1981 Aug;23(2):207–23

Development and characterization of a model system for the study of epididymal physiology in man. Tezón JG, et al. **Prog Clin Biol Res** 1982;87:251–75 (48 ref.)

PHYSIOPATHOLOGY

Epididymal origin of a coiled-tail sperm defect in a boar. Holt WV. **J Reprod Fertil** 1982 Mar;64(2):485–9

RADIATION EFFECTS

Monovalent electrolytes & adenosine triphosphatase correlations in vivo of rat epididymis following irradiation. Gupta GS. **Indian J Biochem Biophys** 1981 Apr;18(2):161–3

SECRETION

Endocrine and accessory sex organ function after vasectomy and vasovasostomy. Joshi UM. **Arch Androl** 1981 Sep; 7(2):187–91

Sperm-coating antigens secreted by the epididymis and seminal vesicle of the rat. Dravland E, et al. **Biol Reprod** 1981 Oct;25(3):649–58

Effects of antifertility drugs on epididymal protein secretion, acquisition of sperm surface proteins and fertility in male rats. Tsang AY, et al. **Int J Androl** 1981 Dec;4(6):703–12

Secretion of inositol and glucose by the perfused rat cauda epididymidis. Cooper TG. **J Reprod Fertil** 1982 Mar; 64(2):373–9

[Evidence for testosterone induced prealbumin secretion in ram epididymis] Fournier-Delpech S, et al. **C R Seances Acad Sci [III]** 1981 Nov 16;293(10):589–94 (Eng. Abstr.) **(Fre)**

SURGERY

Vasoepididymostomy: the role of the microscope. McLoughlin MG. **Can J Surg** 1982 Jan;25(1):41–3

Microscopic vasoepididymostomy: examination of epididymal lumen content for presence of spermatozoa. Turner TT, et al. **Fertil Steril** 1981 Oct;36(4):533–4

[Schoysman's method of phlebospermatocele in agenesis of the ductus deferens] Tsvetkov D, et al. **Akush Ginekol (Sofiia)** 1982;21(1):66–9 (Eng. Abstr.) **(Bul)**

[Problems of indications for surgery in benign tumors of the epididymis and vas deferens] Fuhse I. **Z Urol Nephrol** 1981 Dec;74(12):893–6 (Eng. Abstr.) **(Ger)**

ULTRASTRUCTURE

Light microscopic and ultrastructural evidence of epithelial phagocytosis of sperm in the rete testis and ductuli efferentes in the bull. Goyal HO. **Am J Vet Res** 1982 May; 43(5):785–90

Membrane specialization in the rat epididymis. II. The clear cell. Brown D, et al. **Anat Rec** 1981 Nov;201(3):477–83

Studies on zonation in the epididymis of the guinea pig. I. Ultrastructural and biochemical analysis of the zone rich in large lipid droplets (zone II). Hoffer AP, et al. **Anat Rec** 1981 Dec;201(4):623–33

Ultrastructural studies of spermatozoa and the epithelial lining of the epididymis and vas deferens in rats treated with gossypol. Hoffer AP. **Arch Androl** 1982 Jun; 8(4):233–46

Regional differences in synthesis, intracellular transport, and secretion of protein in the mouse epididymis. Flickinger CJ. **Biol Reprod** 1981 Nov;25(4):871–83

Subcellular structure of the luminal content of the cauda epididymidis of the opossum (Didelphis azarae). Orsi AM, et al. **J Submicrosc Cytol** 1981 Oct;13(4):569–73

[Morphology and zonal division of the Ductus epididymidis of rats. II. Electron microscopic investigations (author's transl)] Zunke U, et al. **Anat Anz** 1981;150(3):298–326 (Eng. Abstr.) **(Ger)**

[Ultrastructural study in the epididymis of vasectomized hamsters (Mesocricetus auratus)] Ureña F, et al. **Rev Biol Trop** 1981 Dec;29(2):237–49 (Eng. Abstr.) **(Spa)**

EPIDIDYMITIS

COMPLICATIONS

Infarction of the testis: a complication of epididymitis. Kirk D, et al. **Br J Urol** 1982 Jun;54(3):311–2

DIAGNOSIS

Bacteremic epididymo-orchitis due to hemophilus influenzae type B. Thomas D, et al. **J Urol** 1981 Dec;126(6):832–3

ETIOLOGY

Epididymo-orchitis [letter] **Br Med J [Clin Res]** 1981 Oct 24;283(6299):1123

Acute epididymitis. Berger RE. **Sex Transm Dis** 1981 Oct–Dec;8(4):286–9

[Complications after suprapubic prostatectomy (author's transl)] Maier U. **Wien Med Wochenschr** 1982 May 15; 132(9):209–12 (Eng. Abstr.) **(Ger)**

IMMUNOLOGY

[Status of the T-immunity system in specific and nonspecific inflammatory diseases of the genital organs in men] Skosogorenko MG. **Probl Tuberk** 1981 Dec;(12):42–5 (Eng. Abstr.) **(Rus)**

MICROBIOLOGY

[Acute epididymitis. Microbiological findings in an out-patient clinic for venereal diseases] Kristensen JK, et al. **Ugeskr Laeger** 1981 Dec 21;143(52):3550–2 (Eng. Abstr.) **(Dan)**

PREVENTION & CONTROL

[Preventive vasectomy. Review of 755 cases] De Carlo G, et al. **Minerva Urol** 1982 Apr–Jun;34(2):75–7 **(Ita)**

RADIONUCLIDE IMAGING

Radionuclide testicular scanning. Penkava RR. **Am Fam Physician** 1982 Mar;25(3):181–2

VETERINARY

Escherichia coli epididymitis and seminal vesiculitis in a ram [letter] Burgess GW, et al. **Aust Vet J** 1981 Oct; 57(10):479–80

EPIDURAL SPACE see under **SPINAL CANAL**

EPIGLOTTIS

Epiglottitis in the adult. Bishop MJ. **Anesthesiology** 1981 Dec; 55(6):701–2

Treatment of carcinoma of the epiglottis. Nadol JB Jr. **Ann Otol Rhinol Laryngol** 1981 Sep–Oct;90(5 Pt 1):442–8

Oral foreign body removal and acute respiratory obstruction. Lightner ES. **Clin Pediatr (Phila)** 1981 Oct;20(10):670

Wheezing in infancy, croup, and epiglottitis. Levison H, et al. **Curr Probl Pediatr** 1982 Jan;12(3):1–65

Cleft soft palate, nasal septal deviation, and epiglottic entrapment in a thoroughbred filly. Haynes PF, et al. **J Am Vet Med Assoc** 1981 Nov 1;179(9):910–3

Epiglottic non-Hodgkin's lymphoma: case report. Mora E, et al. **Tumori** 1981 Oct 31;67(5):507–10

[Diffuse form of Bazex's paraneoplastic acrokeratosis disclosing a recurrence and metastases of a previously treated cancer of the epiglottis] Colomb D, et al. **Ann Dermatol Venereol** 1981;108(11):885–8 (Eng. Abstr.) **(Fre)**

ANALYSIS

Distribution of pseudo-elastica and elastin in some human tissues during postnatal life. A light microscopy study. Fakan F, et al. **Folia Morphol (Praha)** 1982;30(1):64–9

PATHOLOGY

Mixed tumor of the epiglottis: case report. Tobin HA. **Otolaryngol Head Neck Surg** 1981 Nov–Dec;89(6):953–5

PHYSIOLOGY

Movement of the epiglottis during deglutition. A cineradiographic study. Ekberg O, et al. **Gastrointest Radiol** 1982;7(2):101–7

SURGERY

Partial epiglottectomy. Navrátil J. **Acta Univ Palacki Olomuc Fac Med** 1982;102:179–87

Reconstruction of pharyngoesophagus using mucosa of epiglottis. Sabri JA. **Otolaryngol Head Neck Surg** 1981 Sep–Oct;89(5):746–9

[Reconstructive subtotal laryngectomy using sliding epiglottiplasty] Pech A, et al. **Acta Otorhinolaryngol Belg** 1981;35(1):11–22 **(Fre)**

[Reconstructive anterior frontal laryngectomy (author's transl)] Pech A, et al. **Ann Otolaryngol Chir Cervicofac** 1982;99(3):141–6 (Eng. Abstr.) **(Fre)**

EPILATION see **HAIR REMOVAL**

EPILEPSY

see related
KINDLING (NEUROLOGY)

Methohexital is not contraindicated in epileptics [letter] Allen EM, et al. **Anesthesiology** 1982 Mar;56(3):240–1

Epilepsy in the British Steel Corporation: an evaluation of sickness, accident, and work records. Dasgupta AK, et al. **Br J Ind Med** 1982 May;39(2):145–8

Annual meeting of the American Epilepsy Society. New York, New York, December 3, 1981. Abstracts. **Epilepsia** 1982 Aug;23(4):431–45

Proceedings for the 14th annual meeting of the Japan Epilepsy Society and the Japanese Branch of the International League against Epilepsy. November 7–8, 1980. **Folia Psychiatr Neurol Jpn** 1981;35(3):227–387

Epilepsy--analysis of medicolegal problems results of State panel hearings. George JE, et al. **J Med Soc NJ** 1981 Jul; 78(7):497–8

Epilepsy and occupational placement [letter] Berner R, et al. **JAMA** 1982 Jul 2;248(1):32–3

Aggression during epileptic seizure [editorial] **Med Sci Law** 1982 Jan;22(1):1

Epilepsy. A clinical and experimental research. Proceedings of the Second European Regional Conference on Epilepsy, Warsaw, October 5–7, 1978. **Monogr Neural Sci** 1981; 5:1–306

Violence and epilepsy [letter] **N Engl J Med** 1982 Feb 4; 306(5):298–300

Prognosis in childhood epilepsy [letter] **N Engl J Med** 1982 Aug 26;307(9):554–5

Commentary kindling as a model for limbic epilepsy. Girgis M. **Neuroscience** 1981;6(9):1695–1706

Epileptics and school personnel [letter] Beringer GB, et al. **Pediatrics** 1982 Jun;69(6):834

Dermatoglyphics in seizure disorders. Schaumann B, et al. **Prog Clin Biol Res** 1982;84:325–34

An analysis of social perceptions of epilepsy: increasing rationalization as seen through the theories of Comte and Weber. Pasternak JL. **Soc Sci Med [E]** 1981 Aug; 15(3):223–9

[Children of epileptic mothers (author's transl)] Deblay MF, et al. **Nouv Presse Med** 1982 Jan 23;11(3):173–6 (Eng. Abstr.) **(Fre)**

[Pregnancy and labor in women with epilepsy] De Punzio C, et al. **Minerva Ginecol** 1981 Jun;33(6):545 **(Ita)**

[Epileptic children and their problems] Vizioli R. **Pediatria (Napoli)** 1981 Dec 31;89(4):821–34 (Eng. Abstr.) **(Ita)**

BLOOD

Fluorescent immunoassay for determining antiepileptic drug concentrations: clinical usefulness. Smith DB, et al. **Arch Neurol** 1982 Jun;39(6):363–6

Plasma protein binding of phenytoin in 100 epileptic patients. Peterson GM, et al. **Br J Clin Pharmacol** 1982 Aug; 14(2):298–300

Clobazam plasma concentrations: pharmacokinetic study in healthy volunteers and data in epileptic patients. Tedeschi G, et al. **Br J Clin Pharmacol** 1981 Jun;11(6):619–22

Plasma levels and pharmacokinetics of antipileptic drugs in children. Miura H. **Folia Psychiatr Neurol Jpn** 1981; 35(3):305–14

Serum immunoglobulins in epileptic patients on anticonvulsant monotherapy. Kenny RA, et al. **Ir J Med Sci** 1982 Jan;151(1):16–9

Quantitative determination of clobazam in the plasma of epileptic patients by gas–liquid chromatography with electron–capture detection. Riva R, et al. **J Chromatogr** 1981 Sep 11;225(1):219–24

Rapid and simple GLC determination of valproic acid and ethosuximide in plasma of epileptic patients. Riva R, et al. **J Pharm Sci** 1982 Jan;71(1):110–1

Daily fluctuations of dipropylacetate (DPA) serum level in epileptic patients. Majkowski J, et al. **Monogr Neural Sci** 1981;5:200–7

Nonlinear kinetics of phenytoin in children. Dodson WE. **Neurology (NY)** 1982 Jan;32(1):42–8

Protein binding of carbamazepine in epileptic patients. Lawless LM, et al. **Neurology (NY)** 1982 Apr;32(4):415–8

Systemic effects of oral use of chlorhexidine gel in multihandicapped epileptic children. Russell BG, et al. **Scand J Dent Res** 1981 Jun;89(3):264–9

Monitoring free valproic acid in epilepsy patients medicated with coanticonvulsants. Haidukewych D, et al. **Ther Drug Monit** 1982;4(2):209–12

[Differences in serum hydantoin levels in epileptic children during hospitalization and in ambulatory care] Hrazdirová V, et al. **Cesk Neurol Neurochir** 1981 Sep;44(5):299–305 (Eng. Abstr.) **(Cze)**

[Reduction of biotin level as a possible factor in the mode of action of anticonvulsants (author's transl)] Krause KH, et al. **Arch Psychiatr Nervenkr** 1982;231(2):141–8 (Eng. Abstr.) **(Ger)**

[Critical remarks about the monitoring of antiepileptic drug levels in pediatric age (author's transl)] Gaggero R, et al. **Pediatr Med Chir** 1981 Mar–Jun;3(2–3):151–8 (Eng. Abstr.) **(Ita)**

[Changes in serum levels of alkaline phosphatase, calcium, and inorganic phosphate following antiepileptic therapy (author's transl)] Takasaka Y, et al. **Hokkaido Igaku Zasshi** 1981 Jul;56(4):431–8 (Eng. Abstr.) **(Jpn)**

[Pharmacokinetics and pharmacodynamics of phenobarbital in experimental animals and in epilepsy patients] Martirosian VV, et al. **Farmakol Toksikol** 1982 May–Jun; 45(3):92–3 **(Rus)**

[Fluctuations in the lymphocyte and monocyte count and lymphocyte RNA in epilepsy] Glikina IV, et al. **Zh Nevropatol Psikhiatr** 1981;81(6):877–80 (Eng. Abstr.) **(Rus)**

[The significance and methodology of the estimation of serum levels of antiepileptics in rational treatment of epilepsy (author's transl)] Horáková O, et al. **Cas Lek Cesk** 1982 Apr 9;121(14):434–6 (Eng. Abstr.) **(Slo)**

CEREBROSPINAL FLUID

Studies on homocarnosine in cerebrospinal fluid in infancy and childhood. Part II. Homocarnosine levels in cerebrospinal fluid from children with epilepsy, febrile convulsion or meningitis. Takahashi H. **Brain Dev** 1981; 3(3):263–70

Cerebrospinal fluid and blood thiamine concentrations in phenytoin–treated epileptics. Botez MI, et al. **Can J Neurol Sci** 1982 Feb;9(1):37–9

[Cerebrospinal fluid proteins and epilepsy] Heim M, et al. **Psychiatr Neurol Med Psychol (Leipz)** 1981 Oct; 33(10):629–33 (Eng. Abstr.) **(Ger)**

[Lysozyme concentration in the cerebrospinal fluid of children with epilepsy and subacute sclerosing encephalitis] Adamczyk A, et al. **Neurol Neurochir Pol** 1981 Sep–Dec; 15(5–6):565–8 (Eng. Abstr.) **(Pol)**

CHEMICALLY INDUCED

Epileptiform seizures and electroencephalographic abnormalities as manifestations of digoxin toxicity. Kerr DJ, et al. **Br Med J [Clin Res]** 1982 Jan 16;284(6310):162–3

Generalized seizures and ampicillin [letter] Serdaru M, et al. **Lancet** 1982 Sep 11;2(8298):617–8

Cefazolin: a valid model of experimental epilepsy? Nisticò G, et al. **Monogr Neural Sci** 1981;5:14–9

On the relationship between kainic acid–induced epileptiform activity and hippocampal neuronal damage. Sloviter RS, et al. **Neuropharmacology** 1981 Nov;20(11):1003–11

Central excitatory properties of delta 9–tetrahydrocannabinol and its metaboiites in iron–induced epileptic rats. Turkanis SA, et al. **Neuropharmacology** 1982 Jan;21(1):7–13

Epileptic patterns induced by some biogenic amines injected in the rat brain. Avoli M, et al. **Pharmacol Res Commun** 1981 Jul;13(7):657–63

[Alcohol–induced epilepsy in a general hospital] Hillbom M. **Duodecim** 1982;98(5):358–68 **(Fin)**

[On the relationship between occasional seizures in alcoholics and the brain atrophy process] Meyer JG, et al. **Med Welt** 1981 Oct 23;32(43):1623–6 **(Ger)**

CLASSIFICATION

Patterns of epilepsy in Kenya––a clinical analysis of 115 cases. Telang BV, et al. **East Afr Med J** 1981 Jun;58(6):437–44

The new classification of epilepsy––an improvement? Neppe VM. **S Afr Med J** 1982 Feb 13;61(7):219–20

Assessment of a clinical and electroencephalographic classification of epileptic patients and its clinical correlation to the findings of computer tomography. Hsi MS, et al. **Taiwan I Hsueh Hui Tsa Chih** 1981 May;80(5):493–9

[The 'idiopathic' and the 'symptomatic' epilepsies (author's transl) (editorial)] Karbowski K. **Praxis** 1981 Sep 1; 70(36):1529–30 **(Ger)**

[Diencephalic (hypothalamic) epilepsy (nosologic basis)] Gromov SA, et al. **Zh Nevropatol Psikhiatr** 1982;82(6):21–6 **(Rus)**

COMPLICATIONS

Association patterns between epileptic and migraine attacks. Terzano MG, et al. **Acta Neurol (Napoli)** 1981 Aug; 36(4):587–98

A case of acquired aphasia with epilepsy in childhood. Wijndaele L, et al. **Acta Paediatr Belg** 1981 Apr–Jun; 34(2):103–6

Nonconvulsive epileptiform activity appearing as ataxia. Bennett HS, et al. **Am J Dis Child** 1982 Jan;136(1):30–2

Submersion accidents in children with epilepsy. Orlowski JP, et al. **Am J Dis Child** 1982 Sep;136(9):777–80

Valproate–induced hyperammonemia. Batshaw ML, et al. **Ann Neurol** 1982 Mar;11(3):319–21

Nevoid basal cell carcinoma syndrome and epilepsy. Murphy MJ, et al. **Ann Neurol** 1982 Apr;11(4):372–6

Intensive monitoring of interictal psychosis in epilepsy. Ramani V, et al. **Ann Neurol** 1982 Jun;11(6):613–22

Seizures and epilepsy in a mentally retarded population over the first 22 years of life. Richardson SA, et al. **Appl Res Ment Retard** 1980;1(1–2):123–38

Psychopathology and mental functions in the offspring of alcoholic and epileptic mothers. Steinhausen HC, et al. **J Am Acad Child Psychiatry** 1982 May;21(3):268–73

Behavioral control of chronic hiccupping associated with gastrointestinal bleeding in a retarded epileptic male. van Heuven PF, et al. **J Behav Ther Exp Psychiatry** 1981 Dec; 12(4):341–5

Extinction of the orienting response in symptomatic (post–meningoencephalitic) epilepsy. Rogozea R, et al. **Neurol Psychiatr (Bucur)** 1982 Jan–Mar;20(1):43–55

Disturbances of the orienting response extinction in post–meningoencephalitic epilepsy. Rogozea R, et al. **Neurol Psychiatr (Bucur)** 1981 Oct–Dec;19(4):259–66

Seizures with apnea in children. Watanabe K, et al. **Pediatrics** 1982 Jul;70(1):87–90

Recurrent apnoeic attacks as a manifestation of epilepsy. Walls TJ, et al. **Postgrad Med J** 1981 Sep;57(671):575–6

Epileptic seizures in cerebral arterial occlusive disease. Cocito L, et al. **Stroke** 1982 Mar–Apr;13(2):189–95

[A clinical study of electric shock therapy of epileptic mental disturbances — analysis of 32 cases (author's transl)] Wang ZC. **Chung Hua Shen Ching Ching Shen Ko Tsa Chih** 1981 Feb;14(1):42–4 **(Chi)**

[Neurological symptoms in the mentally handicapped (author's transl)] Lesný I. **Cesk Pediatr** 1981 Apr; 36(4):213–4 (Eng. Abstr.) **(Cze)**

[Waardenburg syndrome with seizures. A case–report with CT scan of the brain (author's transl)] Sanyas P, et al. **Ann Pediatr (Paris)** 1982 Feb;29(2):142–4 (Eng. Abstr.) **(Fre)**

[Acquired aphasia of the epileptic child. 3 cases and review of the literature] Toso V, et al. **Rev Neurol (Paris)** 1981; 137(6–7):425–34 (Eng. Abstr.) **(Fre)**

[Postictal hemianopia as a special form of Todd's paresis] Hentschel F. **Psychiatr Neurol Med Psychol (Leipz)** 1980 Dec;32(12):745–7 (Eng. Abstr.) **(Ger)**

[The pregnant epileptic (editorial)] Arlazoroff A. **Harefuah** 1982 Jan 1;102(1):28–30 **(Heb)**

[Delitala's stories. An untuned violin. The year 1948] Delitala F. **Chir Organi Mov** 1978 Nov–Dec;64(6):691–2 **(Ita)**

[The epilepsy aphasia syndrome in children (author's transl)] De Negri M, et al. **Pediatr Med Chir** 1981 Mar–Jun; 3(2–3):141–6 (Eng. Abstr.) **(Ita)**

[A case of 17 alpha–hydroxylase deficiency with long stature and epileptic cramps (author's transl)] Ono Y. **Horumon To Rinsho** 1982 Apr;30(4):353–7 **(Jpn)**

[General health status of epileptic women] Kazibutowska Z, et al. **Pol Tyg Lek** 1980 Dec 15;35(50):1969–72 (Eng. Abstr.) **(Pol)**

[The autistic syndrome and epileptic seizures; clinical and etiopathogenetic interference] Stefan M, et al. **Rev Med Interna [Neurol Psihiatr]** 1981 Jul–Sep; 26(3):205–11 **(Rum)**

[Sleep–wakefulness rhythm and frequency of convulsive seizures in epilepsy complicated and uncomplicated by psychosis] Boldyrev AI, et al. **Zh Nevropatol Psikhiatr** 1982;82(6):1–6 **(Rus)**

[Possible correlation between schizophrenia and epilepsy] Pozdniakov VS, et al. **Zh Nevropatol Psikhiatr** 1981; 81(6):849–54 (Eng. Abstr.) **(Rus)**

[Relation between plasma levels of valproic acid alone and its efficacy and toxicity in pediatric patients under chronic treatment] Armijo JA, et al. **Arch Farmacol Toxicol** 1981 Apr;7(1):49–56 **(Spa)**

CONGENITAL

[Rud's syndrome] Gordeev VV, et al. **Pediatriia** 1981 May; (5):72 **(Rus)**

DIAGNOSIS

Prolonged EEG and videotape monitoring in children. Holmes GL, et al. **Am J Dis Child** 1982 Jul;136(7):609–11

Are hysterical seizures more than hysteria? A research diagnostic criteria, DMS–III, and psychometric analysis. Stewart RS, et al. **Am J Psychiatry** 1982 Jul;139(7):926–9

Reflex cardiac arrest presenting as epilepsy. Braham J, et al. **Ann Neurol** 1981 Sep;10(3):277–8

Radial spatial patterns and multifrequency temporal patterns: possible clinical applications. Ratliff F. **Ann NY Acad Sci** 1982;388.651–6

Psychogenic seizures. A study of 42 attacks in six patients, with intensive monitoring. Desai BT, et al. **Arch Neurol** 1982 Apr;39(4):202–9

Differentiating between organic and functional seizures: a common diagnostic problem. Vajda FJ, et al. **Aust Fam Physician** 1981 Dec;10(12):960–5

Epilepsy. Valman HB. **Br Med J [Clin Res]** 1982 Apr 24; 284(6324):1247–50

Chronic cortical electrode array for seizure investigation. Levy WJ, et al. **Childs Brain** 1982;9(1):48–52

Parathyroid epilepsy with continuous EEG abnormality. Nagashima C, et al. **Clin Electroencephalogr** 1981 Jul; 12(3):133–8

The aphasia–epilepsy syndrome in children: electroencephalographic aspects. Rodriguez I, et al. **Clin Electroencephalogr** 1982 Jan;13(1):23–35

Temporary regression during language acquisition: a linguistic analysis of a 2 1/2–year–old child with epileptic aphasia. Deonna T, et al. **Dev Med Child Neurol** 1982 Apr; 24(2):156–63

Some clinical aspects of epilepsy. Bahemuka M. **East Afr Med J** 1981 Jun;58(6):459–67

Frequency content of EEG and EMG at seizure onset: possibility of removal of EMG artefact by digital filtering. Gotman J, et al. **Electroencephalogr Clin Neurophysiol** 1981 Dec;52(6):626–39

Extreme somatosensory evoked potential (ESEP): an EEG sign forecasting the possible occurrence of seizures in children. de Marco P, et al. **Epilepsia** 1981 Oct;22(5):569–75

Clinical evolution and prognosis of childhood epilepsies. Sofijanov NG. **Epilepsia** 1982 Feb;23(1):61–9

EEG study on the effect of anticonvulsant prophylaxis in enterovirus 71 induced morbid conditions. Zahariev ZI. **Folia Med (Plovdiv)** 1981;23(3–4):35–40

A longitudinal study on epilepsy: with special reference to recurrence of seizure after long seizure–free period. Fukushima Y. **Folia Psychiatr Neurol Jpn** 1981;35(3):343–8

A clinical and electroencephalographical follow–up study for more than 10 years in patients with epilepsy. Kitagawa T. **Folia Psychiatr Neurol Jpn** 1981;35(3):333–42

Epilepsy in the adolescence. Nishiura N, et al. **Folia Psychiatr Neurol Jpn** 1981;35(3):281–6

The risk of nonfebrile seizures in children who have experienced febrile convulsions. Seki T, et al. **Folia Psychiatr Neurol Jpn** 1981;35(3):315–20

Epilepsy in middle or advanced age. Shigemoto T. **Folia Psychiatr Neurol Jpn** 1981;35(3):287–94

Age–dependent epileptic encephalopathy: a longitudinal study. Yamatogi Y, et al. **Folia Psychiatr Neurol Jpn** 1981; 35(3):321–32

Epilepsy, migraine, and EEG abnormalities in children: a review and hypothesis. Jay GW. **Headache** 1982 May; 22(3):110–4

Epilepsy in childhood: diagnosis and management. Srinivasan K. **Indian J Pediatr** 1981 Sep–Oct;48(394):647–52

Nocturnal epilepsy masquerading as a behavioral problem in childhood. Davies SM. **J Fam Pract** 1982 Aug; 15(2):267–9

Transient global amnesia as an epileptic manifestation. Deisenhammer E. **J Neurol** 1981;225(4):289–92

Prognosis of childhood epilepsy––another look [editorial] Berg BO. **N Engl J Med** 1982 Apr 8;306(14):861–2

Prognosis in childhood epilepsy: additional follow–up of 148 children 15 to 23 years after withdrawal of anticonvulsant therapy. Thurston JH, et al. **N Engl J Med** 1982 Apr 8; 306(14):831–6

Pseudoseizures: ictal phenomena. Gulick TA, et al. **Neurology (NY)** 1982 Jan;32(1):24–30

Pseudoseizures: diagnostic evaluation. King DW, et al. **Neurology (NY)** 1982 Jan;32(1):18–23

The electro–encephalogram in clinical practice. Murdoch BD. **S Afr Med J** 1982 Jan 30;61(5):158–60

[Sjögren–Larsson syndrome] Vajda P, et al. **Cesk Pediatr** 1982 Jun;37(6):329–30 **(Cze)**

[Jervell–Lang Nielsen syndrome. Differential diagnosis in epilepsy and angina pectoris] Hansen PH. **Ugeskr Laeger** 1981 Jun 22;143(26):1662–3 (Eng. Abstr.) **(Dan)**

[Clinical evaluation of EEG telemetry and videomonitoring in 212 patients with epilepsy] Overweg J, et al. **Ned Tijdschr Geneeskd** 1981 Oct 3;125(40):1600–4 (Eng. Abstr.) **(Dut)**

[All–night polygraphic recordings in the child with suspected epileptic seizures, in spite of normal routine and post–sleep deprivation EEGs (author's transl)] Billiard M, et al. **Rev Electroencephalogr Neurophysiol Clin** 1981 Dec;

11(3-4):450-6 (Eng. Abstr.) **(Fre)**

[Acquired verbal deafness in the child. 5 cases (aphasia-epilepsy syndrome) (author's transl)] Billard C, et al. **Rev Otoneuroophtalmol** 1981 Jul-Sep;53(4):331-6 (Eng. Abstr.) **(Fre)**

[Diagnostic value of periodic lateralized complexes in the EEG (author's transl)] Bauer G, et al. **EEG EMG** 1981 Sep;12(3):135-41 (Eng. Abstr.) **(Ger)**

[Prognosis in childhood epilepsy after discontinuation of therapy (author's transl)] Förster C, et al. **Monatsschr Kinderheilkd** 1982 Apr;130(4):225-8 (Eng. Abstr.) **(Ger)**

[Computerized tomography of the brain in patients with epilepsy (author's transl)] Huber P, et al. **Praxis** 1981 Sep 1;70(36):1553-7 (Eng. Abstr.) **(Ger)**

[Indications for cranial computerized tomography by epileptic patients from the point of view of the practizing neurologist (author's transl)] Medici V. **Praxis** 1981 Sep 1;70(36):1558-61 **(Ger)**

[The value of pentetrazol (Deumacard) provocation in EEG for the evaluation of driving ability] Lietz S, et al. **Psychiatr Neurol Med Psychol (Leipz)** 1981 Dec; 33(12):726-33 (Eng. Abstr.) **(Ger)**

[Disability in epileptics - a situation analysis in the district of Dresden] Müller D, et al. **Psychiatr Neurol Med Psychol (Leipz)** 1981 Sep;33(9):520-6 (Eng. Abstr.) **(Ger)**

[So-called intermediate forms of epileptic attacks - etiopathogenic, clinico-electrocencephalographic and therapeutic aspects] Müller J. **Psychiatr Neurol Med Psychol (Leipz)** 1981 Nov, 33(11):641-51 (Eng. Abstr.) **(Ger)**

[Differential diagnosis of consciousness disorders in cerebral seizure disorders] Martinius J. **ZFA (Stuttgart)** 1981 Nov 10;57(31):2135-40 **(Ger)**

[Epilepsy and pregnancy] Albano V, et al. **Riv Neurobiol** 1980 Oct-Dec;26(4):476-84 **(Ita)**

[Epilepsy in advanced age] Iemolo F, et al. **Riv Neurol** 1981 Nov-Dec;51(6):330-43 (Eng. Abstr.) **(Ita)**

[Psychogenic forms of epilepsy] Boldyrev AI. **Zh Nevropatol Psikhiatr** 1981;81(6):845-9 (Eng. Abstr.) **(Rus)**

[Clinico-electrophysiologic correlations in epilepsy with primarily generalized peak-wave phenomena on the EEG] Karlov VA, et al. **Zh Nevropatol Psikhiatr** 1982;82(6):10-4 **(Rus)**

[Clinical picture and diagnosis of epileptic seizures in early childhood] Martirosian VV, et al. **Zh Nevropatol Psikhiatr** 1981;81(6):880-4 (Eng. Abstr.) **(Rus)**

[Debatable points concerning the terminology of hyperkineses complicating epilepsy] Petelin LS. **Zh Nevropatol Psikhiatr** 1981;81(8):1241-3 **(Rus)**

[A further role on the structuro-functional organization of the vegetatovisceral manifestations of epilepsy (diencephalic epilepsy?)] Savchenko IuN, et al. **Zh Nevropatol Psikhiatr** 1982;82(6):826-30 (Eng. Abstr.) **(Rus)**

[Pseudo-sensations in seizures as a symptom of subcortical epilepsy] Telegina AA. **Zh Nevropatol Psikhiatr** 1981; 81(6):831-5 (Eng. Abstr.) **(Rus)**

[Value of electroencephalography in the differential diagnosis of temporal and hypothalamic paroxysms] Zabolotnykh VA, et al. **Zh Nevropatol Psikhiatr** 1981;81(12):1772-7 (Eng. Abstr.) **(Rus)**

DIET THERAPY

Monitoring octanoic and decanoic acids in plasma from children with intractable epilepsy treated with medium-chain triglyceride diet. Haidukewych D, et al. **Clin Chem** 1982 Apr;28(4 Pt 1):642-5

[Influence of sodium-restricted diet and food allergy in the treatment of epilepsy] Leite CE. **Arq Neuropsiquiatr** 1981 Sep;39(3):327-35 (Eng. Abstr.) **(Por)**

DRUG THERAPY

Clinical and pharmacokinetic observations on sodium valproate - a 5-year follow-up study in 100 children with epilepsy. Henriksen O, et al. **Acta Neurol Scand** 1982 May; 65(5):504-23

Osteomalacia in institutionalized epileptic patients on long-term anticonvulsant therapy. Hoikka V, et al. **Acta Neurol Scand** 1981 Aug;64(2):122-31

Influence of disulfiram on the serum concentration of carbamazepine in patients with epilepsy. Krag B, et al. **Acta Neurol Scand** 1981 Jun;63(6):395-8

Role of carbamazepine in reducing polypharmacy in epilepsy. Maheshwari MC, et al. **Acta Neurol Scand** 1981 Jul; 64(1):22-8

Serum elevation of high density lipoprotein (HDL) cholesterol in epileptic patients taking carbamazepine or phenytoin. O'Neill B, et al. **Acta Neurol Scand** 1982 Feb; 65(2):104-9

Recent advances in the treatment of epilepsy. Dam M. **Acta Neurol Scand [Suppl]** 1980;78:88-102

Further studies on anticonvulsant drugs and seizures. Thompson PJ, et al. **Acta Neurol Scand [Suppl]** 1981; 89:51-8

Recognition memory in treated epileptic patients. Tomlinson L, et al. **Acta Neurol Scand [Suppl]** 1981;89:43-50

Memory, anticonvulsant drugs and seizures. Trimble MR, et al. **Acta Neurol Scand [Suppl]** 1981;89:31-41

Prediction of phenytoin dosage in epilepsy using multiple linear regression. Gray SP. **Ann Clin Biochem** 1982 May; 19(3):141-4

Oral chlormethiazole in childhood epilepsy [letter] Stanley TV. **Arch Dis Child** 1982 Mar;57(3):242-3

Clonazepam Therapy in a case of primary reading epilepsy [letter] Saenz Lope E, et al. **Arch Neurol** 1982 Jul;39(7):455

Treatment of primary reading epilepsy with valproic acid. Vanderzant C, et al. **Arch Neurol** 1982 Jul;39(7):452-3

Another look at the management of epilepsy. Vajda FJ. **Aust Fam Physician** 1981 Aug;10(8):642-3, 645, 648

Effect of salbutamol, a putative cerebral beta agonist on sleep stages and interictal epileptic discharges. Laffont F, et al. **Biomedicine** 1981 Dec;35(7-8):220-3

Anticonvulsant activity of Althesin on experimental epilepsy. De Riu PL, et al. **Br J Anaesth** 1982 Mar;54(3):343-7

Serum protein binding of diazepam and its displacement by valproic acid in vitro [letter] Dhillon S, et al. **Br J Clin Pharmacol** 1981 Oct;12(4):591-2

Bioavailability of diazepam after intravenous, oral and rectal administration in adult epileptic patients. Dhillon S, et al. **Br J Clin Pharmacol** 1982 Mar;13(3):427-32

Serum phenytoin concentration and clinical response in patients with epilepsy. Gannaway DJ, et al. **Br J Clin Pharmacol** 1981 Dec;12(6):833-9

Free sodium valproate monitoring. Roman EJ, et al. **Br J Clin Pharmacol** 1982 Mar;13(3):452-5

Phenytoin and cognitive function: effects on normal volunteers and implications for epilepsy. Thompson P, et al. **Br J Clin Psychol** 1981 Sep;20(Pt 3):155-62

Treatment of epilepsy: whose right is it anyway? Buchanan N. **Br Med J [Clin Res]** 1982 Jan 16;284(6310):173-4

Effect of reduction of anticonvulsants on wellbeing. Fischbacher E. **Br Med J [Clin Res]** 1982 Aug 7; 285(6339):423-4

Therapeutic trial by taurine for intractable childhood epilepsies. Fukuyama Y, et al. **Brain Dev** 1982;4(1):63-9

Peripheral neuropathy in children on long-term phenytoin therapy. Mochizuki Y, et al. **Brain Dev** 1981;3(4):375-83

Brain shrinkage and subdural effusion associated with ACTH administration. Satoh J, et al. **Brain Dev** 1982;4(1):13-20

Antiepileptic effects of clobazam in children. Shimizu H, et al. **Brain Dev** 1982;4(1):57-62

Treating epilepsy: one drug or several [editorial] Young GB, et al. **Can Med Assoc J** 1982 May 15;126(10):1134-6

Serum copper concentration and hepatic enzyme induction during long-term therapy with anticonvulsants. Tutor JC, et al. **Clin Chem** 1982 Jun;28(6):1367-70

Compliance for anticonvulsant medication in an institution for mentally retarded. Alvarez N. **Clin Electroencephalogr** 1982 Apr;13(2):103-7

The effects of anticonvulsants on memory function in epileptic patients: preliminary findings. Butlin AT, et al. **Clin Exp Neurol** 1981;17:79-84

The clearance of anticonvulsant drugs in pregnancy. Lander CM, et al. **Clin Exp Neurol** 1981;17:71-8

Duration of treatment for childhood epilepsy. Gordon N. **Dev Med Child Neurol** 1982 Feb;24(1):84-8

Practical therapeutics. Management of epilepsy: therapeutic aspects. Bahemuka M. **East Afr Med J** 1981 Jun; 58(6):389-400

School involvement in the treatment of seizure disorders. Gadow KD. **Epilepsia** 1982 Apr;23(2):215-24

Absorption of diazepam from the rectum and its effect on interictal spikes in the EEG. Milligan N, et al. **Epilepsia** 1982 Jun;23(3):323-31

Compliance with drug therapy by epileptic patients. Pryse-Phillips W, et al. **Epilepsia** 1982 Jun;23(3):269-74

Pharmacological principles in the long-term treatment of epilepsy. Scollo-Lavizzari G. **Eur Neurol** 1981; 20(4):297-305 (5 ref.)

The teratogenicity of hydantoins and barbiturates in humans, with considerations on the etiology of malformations and cerebral disturbances in the children of epileptic parents. Majewski F, et al. **Int J Biol Res Pregnancy** 1981;2(1):37-45

Sulthiame in previously untreated epilepsy. Feely MP, et al. **Ir J Med Sci** 1982 Jun;151(6):175-9

Therapeutic failures in epileptic children due to impaired diphenylhydantoin bioavailability. Koren G, et al. **Isr J Med Sci** 1982 Jun;18(6):721-3

Some immunological reactions during chronic treatment with antiepileptic drugs. Visintini D, et al. **Ital J Neurol Sci** 1981 Jan;2(1):85-8

Therapeutic progress: review IV. Therapeutic drug monitoring: can it improve the treatment of epilepsy? Mucklow JC. **J Clin Hosp Pharm** 1982 Jun;7(2):79-85 (25 ref.)

Increased serum phospholipids in epileptic children treated with phenobarbitone. Pavone L, et al. **J Neurol Neurosurg Psychiatry** 1982 Jan;45(1):81-2

A comparison of phenytoin and valproate in previously untreated adult epileptic patients. Turnbull DM, et al. **J Neurol Neurosurg Psychiatry** 1982 Jan;45(1):55-9

Valproic acid and its metabolites: placental transfer, neonatal pharmacokinetics, transfer via mother's milk and clinical status in neonates of epileptic mothers. Nau H, et al. **J Pharmacol Exp Ther** 1981 Dec;219(3):768-77

Clobazam in catamenial epilepsy. A model for evaluating anticonvulsants. Feely M, et al. **Lancet** 1982 Jul 10; 2(8289):71-3

Is there a climatic influence on the blood level of anticonvulsive drugs? Cohn DF. **Med Hypotheses** 1982 Apr;8(4):427-30

Clonazepam in the treatment of drug-resistant epilepsy: a clinical short and long term follow-up study. Bacia T, et al. **Monogr Neural Sci** 1981;5:153-9

Possible drug interaction in chronic treatment of epileptic patients: serum level studies. Baraczka K, et al. **Monogr Neural Sci** 1981;5:235-9

The relationship between the serum levels of phenobarbital and diphenylhydantoin and clinical data in patients with drug resistant epilepsy. Bendarzewska-Nawrocka B, et al. **Monogr Neural Sci** 1981;5:229-34

Didepil for the treatment of epilepsy. Doychinov D. **Monogr Neural Sci** 1981;5:112-8

Antiepileptic and side effects of didepil. Lysakowska-Sernicka K, et al. **Monogr Neural Sci** 1981; 5:119-23

Depamide: a preliminary report on its therapeutic efficacy in epilepsy. Musolino R, et al. **Monogr Neural Sci** 1981; 5:124-30

Sodium dipropylacetate (Vupral Polfa) in therapy of resistant epilepsy. Pisarski W, et al. **Monogr Neural Sci** 1981;5:131-6

New anticonvulsant drugs. Rump S. **Monogr Neural Sci** 1981; 5:105-11

Principles of anticonvulsant therapy in childhood epilepsies. Scheffner D. **Monogr Neural Sci** 1981;5:94-104

Plasma level analysis of some antiepileptic drugs in 180 patients. Tartara A, et al. **Monogr Neural Sci** 1981;5:190-5

Antiepileptic drug therapy and plasma levels in 2500 patients from Northern Italy. Zagnoni P, et al. **Monogr Neural Sci** 1981;5:183-9

Anticonvulsants and pregnancy. Goldner JC. **Nebr Med J** 1981 Oct;66(10):240-1

Peripheral neuropathy in epileptics [letter] **Neurology (NY)** 1982 Apr;32(4):457-8

Clorazepate therapy for refractory seizures. Berchou RC, et al. **Neurology (NY)** 1981 Nov;31(11):1483-5

Phenytoin prolongs far-field somatosensory and auditory evoked potential interpeak latencies. Green JB, et al. **Neurology (NY)** 1982 Jan;32(1):85-8

The anticonvulsant effects of diazepam and phenobarbital in prekindled and kindled cortical seizures. Alberton TE, et al. **Neuropharmacology** 1981 Nov;20(11):1121-4

Once daily dosage versus divided daily doses of carbamazepine therapy in epileptic patients: a pilot study. Ghose K, et al. **Pharmatherapeutica** 1981;3(1):71-8

Epilepsy. McNamara JO. **Proc Annu Meet Med Sect Am Counc Life Insur** 1981; 6:141-51

Anticonvulsant and proconvulsant properties of viloxazine hydrochloride: pharmacological and pharmacokinetic studies in rodents and the epileptic baboon. Meldrum BS, et al. **Psychopharmacology (Berlin)** 1982;76(3):212-7

Choreo-athetosis induced by phenytoin in an epileptic child. A case report. Sandyk R. **S Afr Med J** 1981 Oct 17; 60(16):627-8

Serial free and plasma valproic acid and phenytoin monitoring and drug interactions. Haidukewych D, et al. **Ther Drug Monit** 1981;3(3):303-7

Dose-dependency of the ratio between carbamazepine serum level and dosage in patients with epilepsy. Kumps AH. **Ther Drug Monit** 1981;3(3):271-4

Phenytoin and phenobarbitone plasma level-dose relationships in Chinese epileptic children in Singapore. Lee HS, et al. **Ther Drug Monit** 1981;3(3):247-52

Dipropylacetic acid plasma levels; diurnal fluctuations during chronic treatment with dipropylacetamide. Pisani F, et al. **Ther Drug Monit** 1981;3(3):297-301

[Comparative study of valproic acid and sodium valproate (author's transl)] Sorel L, et al. **Acta Neurol Belg** 1981 Sep-Oct;81(5):283-90 (Eng. Abstr.) **(Fre)**

[Sodium valproate, platelet dysfunction and bleeding (author's transl)] Loiseau P. **Nouv Presse Med** 1981 Dec 19;10(46):3789-90 (Eng. Abstr.) **(Fre)**

[The epileptic mother and her child (author's transl)] Philbert A, et al. **Nouv Presse Med** 1982 Jun 5;11(26):2007-9 (Eng. Abstr.) **(Fre)**

[Medical treatment of epilepsy : monotherapy versus polytherapy (author's transl)] Reynolds EH, et al. **Nouv Presse Med** 1981 Dec 12;10(45):3717-9 (Eng. Abstr.) **(Fre)**

[Problems in the treatment of a patient with longstanding epilepsy (author's transl)] Missoum A, et al. **Sem Hop Paris** 1981 Nov 18-25;57(43-44):1869-72 (Eng. Abstr.) **(Fre)**

[Spindles and spike waves in the sleep EEG of epileptic patients under administration of phenobarbital (PB) and phenytoin (DPH) (author's transl)] Sengoku A, et al. **EEG EMG** 1981 Sep;12(3):132-4 (Eng. Abstr.) **(Ger)**

[Leptilan. Dissolution, bioavailability and first therapeutic results in children with different epilepsy forms] Windorfer A, et al. **Fortschr Med** 1981 Oct 1;99(37):1516-22 **(Ger)**

[Diphenylhydantoin, epilepsy, cerebellar atrophy--histological and electron microscope examinations (author's transl)] Breiden-Arends C, et al. **Fortschr Neurol Psychiatr** 1981 Nov;49(11):406-14 (Eng. Abstr.) **(Ger)**

[Suggestions for the pharmacokinetics and for the therapy control of anticonvulsants] Kögel W, et al. **Med Welt** 1981 Dec 11;32(50):1922-4 **(Ger)**

[Complications of valproic acid therapy: an overview (author's transl)] Diehl LW. **Nervenarzt** 1981 Oct;

52(10):559–64 (Ger)
[Sex hormone changes in male epileptics on long-term anti-convulsant therapy (author's transl)] Hoffmann H, et al. **Nervenarzt** 1981 Dec;52(12):715–7 (Ger)
[Phenytoin serum concentration in epileptic patients: influence of therapeutic and physiological factors (author's transl)] May T, et al. **Nervenarzt** 1982 May;53(5):291–6 (Ger)
[Survival period of patients with gliomata or glioblastomata under anti-convulsive therapy (author's transl)] Sayk J, et al. **Nervenarzt** 1981 Oct;52(10):611–5 (Ger)
[Actual therapy of epilepsy (author's transl)] Scollo-Lavizzari G. **Praxis** 1982 Feb 9;71(6):207–11 (Ger)
[Recurrence in 'cured' epilepsies in adults] Broeker H, et al. **Psychiatr Neurol Med Psychol (Leipz)** 1981 Sep; 33(9):536–42 (Eng. Abstr.) (Ger)
[The treatment of epilepsies with Convulsofin] Rabending G, et al. **Psychiatr Neurol Med Psychol (Leipz)** 1981 Oct; 33(10):618–28 (Eng. Abstr.) (Ger)
[Variations in blood serotonin during antiepileptic therapy] Chiodi F, et al. **Boll Soc Ital Biol Sper** 1981 Dec 15; 57(23):2372–6 (Eng. Abstr.) (Ita)
[Collateral transient behavioural changes during ACTH therapy in infantile generalized epilepsy (author's transl)] Doria L, et al. **Pediatr Med Chir** 1981 Mar–Jun; 3(2–3):135–40 (Eng. Abstr.) (Ita)
[Taurine in the treatment of epilepsy (Results in patients under 15 years of age treated with taurine)] Sbarbaro V, et al. **Riv Neurobiol** 1980 Apr–Jun;26(2):219–27 (Eng. Abstr.) (Ita)
[Barbexaclone in the treatment of the epilepsies (author's transl)] Visintini D, et al. **Riv Patol Nerv Ment** 1981 Jan–Feb;102(1):29–37 (Eng. Abstr.) (Ita)
[Immunological study of IgA deficiency during anticonvulsant therapy in epileptic patients. i. Surface markers of peripheral blood lymphocytes and IgA production by PWM-stimulated lymphocytes (author's transl)] Matsuoka H, et al. **Arerugi** 1981 Apr;30(4):183–9 (Eng. Abstr.) (Jpn)
[Effect of phenytoin and carbamazepine treatment on nonspecific immunological reactivity in epilepsy] Członkowska A, et al. **Neurol Neurochir Pol** 1981 May–Jun; 15(3):297–302 (Eng. Abstr.) (Pol)
[Health status of children born to mothers with epilepsy] Jakubowska T, et al. **Neurol Neurochir Pol** 1981 May–Jun; 15(3):303–8 (Eng. Abstr.) (Pol)
[Complex treatment of unfavourable course of epilepsy in adolescents with anticonvulsants and complamin] Martyniuk VIu. **Vrach Delo** 1981 Oct;(10):95–7 (Rus)
[Clinical evaluation of certain modern antiepileptic preparations] Boldyrev AI. **Zh Nevropatol Psikhiatr** 1982; 82(6):73–7 (Rus)
[Results on discontinuance of antiepileptic drugs in patients seizure-free for more than five years (author's transl)] Oller-Daurella L, et al. **Arch Neurobiol (Madr)** 1981 Jul–Aug;44(4):247–60 (Eng. Abstr.) (Spa)
[Clinical study on the effect of taurine on intractable epileptics (author's transl)] Pasantes-Morales H, et al. **Rev Invest Clin** 1981 Oct–Dec;33(4):373–8 (Eng. Abstr.) (Spa)
[Monotherapy or polytherapy in epilepsy?] Reynolds EH, et al. **Rev Med Univ Navarra** 1981 Jun;25(2):33–7 (Spa)

ENZYMOLOGY

Serum concentrations and enzyme induction in epileptic children treated with phenytoin and valproate. de Wolff FA, et al. **Neuropediatrics** 1982 Feb;13(1):10–3
[Platelet monoamine oxidase activity in some neurological diseases of childhood] Stagni S, et al. **Boll Soc Ital Biol Sper** 1981 Jun 30;57(12):1305–10 (Eng. Abstr.) (Ita)

ETIOLOGY

Epileptic seizures in the elderly: I. Aetiology and type of seizure. Roberts MA, et al. **Age Ageing** 1982 Feb;11(1):24–8
Dark Warrior epilepsy. Daneshmend TK, et al. **Br Med J [Clin Res]** 1982 Jun 12;284(6331):1751–2
Dark Warrior epilepsy [letter] Newman PK, et al. **Br Med J [Clin Res]** 1982 Jul 17;285(6336):213
ZX81 epilepsy–a case for lumping. Sandercock P, et al. **Br Med J [Clin Res]** 1982 Sep 11;285(6343):741
Epilepsy precipitated by food sensitivity: report of a case with double-blind placebo-controlled assessment. Crayton JW, et al. **Clin Electroencephalogr** 1981 Oct;12(4):192–8
Toxoplasma, Toxocara, and epilepsy. Critchley EM, et al. **Epilepsia** 1982 Jun;23(3):315–21
'Epilepsy from the viewpoint of brain maturation and aging' with special references to the etiologies, mode and alternations of seizure pattern and changes of responses to treatment. Asakura T, et al. **Folia Psychiatr Neurol Jpn** 1981;35(3):243–4
Effect of increments in norepinephrine concentrations on seizure intensity in the genetically epilepsy-prone rat. Ko KH, et al. **J Pharmacol Exp Ther** 1982 Sep;222(3):662–9
Television epilepsy. Beran RG. **Med J Aust** 1981 Dec 12–26; 2(12–13):679
Epilepsy and complication after craniocerebral traumas. Zając J, et al. **Monogr Neural Sci** 1981;5:285–9
Dopaminergic mechanism in generalized photosensitive epilepsy. Quesney LF, et al. **Neurology (NY)** 1981 Dec; 31(12):1542–4
Epilepsy evoked by eating: the role of peripheral input. Reder AT, et al. **Neurology (NY)** 1982 Sep;32(9):1065–9
Cerebral aneurysm presenting with epilepsy. McCulloch DK, et al. **Postgrad Med J** 1982 Feb;58(676):94–7
The evoked epilepsies. Ames FR. **S Afr Med J** 1982 May 1;61(18):661–2
The incidence of epilepsy after ventricular shunting operations. Copeland GP, et al. **Surg Neurol** 1982 Apr; 17(4):279–81
Cysticerciasis and epilepsy: a clinical and serological study. Chopra JS, et al. **Trans R Soc Trop Med Hyg** 1981; 75(4):518–20
[Individualization of so-called benign and functional epilepsy at different ages. Appraisal of variations corresponding the predisposition for epilepsy at these ages] Gastaut H. **Rev Electroencephalogr Neurophysiol Clin** 1981 Dec; 11(3–4):346–66 (Eng. Abstr.) (Fre)
[Cerebral concentrations of anticonvulsants in patients with epilepsy of tumoral origin (author's transl)] Munari C, et al. **Rev Electroencephalogr Neurophysiol Clin** 1982 Apr; 12(1):38–43 (25 ref.) (Eng. Abstr.) (Fre)
[Electrophysiological aspects of alcoholic epilepsy (author's transl)] Touchon J, et al. **Rev Electroencephalogr Neurophysiol Clin** 1981 Dec; 11(3–4):514–9 (Eng. Abstr.) (Fre)
[Beginning epilepsy in the aged] Poirrier R, et al. **Rev Med Liege** 1982 Apr 15;37(8):313–22 (Fre)
[Vascular epilepsy: clinical, electroencephalographic, and computerized tomographic aspects (author's transl)] Tafani B, et al. **Sem Hop Paris** 1981 Sep 8–15;57(29–32):1287–91 (Eng. Abstr.) (Fre)
[An unusual manifestation of a pineal tumour (author's transl)] Lumenta C, et al. **Neurochirurgia (Stuttg)** 1982 Mar; 25(2):62–5 (Eng. Abstr.) (Ger)
[Catecholaminergic mechanisms of epilepsy] Okladnikov VI. **Sov Med** 1981;(4):39–42 (Eng. Abstr.) (Rus)
[Epileptic syndrome in brain hemorrhages with blood breakthrough into the ventricular system] Erokhina LG, et al. **Zh Nevropatol Psikhiatr** 1982;82(6):54–7 (Eng. Abstr.) (Rus)
[Etiology and pathogenesis of epilepsy in children] Golysh NN, et al. **Zh Nevropatol Psikhiatr** 1981;81(6):884–7 (Eng. Abstr.) (Rus)
[Tick-borne encephalitis and epilepsy] Shapoval AN. **Zh Nevropatol Psikhiatr** 1981;81(6):835–41 (Eng. Abstr.) (Rus)
[Somatosensory epileptic crises] Gerstle de Pasquet E, et al. **Acta Neurol Latinoam** 1980;26(3):155–64 (Eng. Abstr.) (Spa)
[Epilepsy after febrile seizures. Predisposing factors and role of phenobarbital in its prophylaxis (author's transl)] Palencia Luances R, et al. **An Esp Pediatr** 1981 Oct; 15(4):349–56 (Eng. Abstr.) (Spa)
[Late-onset epileptic crises] Lominchar J, et al. **Rev Clin Esp** 1981 Nov 15;163(3):169–71 (Eng. Abstr.) (Spa)
[Frequency of brain tumors in epileptic patients] Escobedo Rios F, et al. **Salud Publica Mex** 1981 May–Jun; 23(3):269–73 (Eng. Abstr.) (Spa)

FAMILIAL & GENETIC

HLA and epilepsy: an investigation of different types of epilepsy in children and their families. Eeg-Olofsson O, et al. **Epilepsia** 1982 Feb;23(1):27–34
Genetic aspects of the epilepsies. Doose H. **Folia Psychiatr Neurol Jpn** 1981;35(3):231–42
Rud syndrome. A case report. Franzoni E, et al. **Ital J Neurol Sci** 1981 Dec;2(4):399–401
The risks of seizure disorders among relatives of patients with childhood onset epilepsy. Annegers JF, et al. **Neurology (NY)** 1982 Feb;32(2):174–9
[A study on hereditary factors of idiopathic epilepsy (author's transl)] Zai CH. **Chung Hua Shen Ching Ching Shen Ko Tsa Chih** 1981 Aug; 14(3):129–34 (Chi)
[Partial monosomy 20q : a new syndrome. Regional assignment of the ADA locus on 20q132 (author's transl)] Fraisse J, et al. **Sem Hop Paris** 1982 Jun 3;58(22):1366–9 (Eng. Abstr.) (Fre)
[Psychiatric risk among children of epileptic mothers: a control study (author's transl)] Steinhausen HC, et al. **Nervenarzt** 1981 Oct;52(10):585–9 (Ger)
[Genetic factors in epilepsy (author's transl)] Dumermuth G. **Praxis** 1981 Sep 1;70(36):1531–9 (48 ref.) (Eng. Abstr.) (Ger)
[Familial occurrence of childhood epilepsy and related clinical data] Kiszely K. **Orv Hetil** 1982 Feb 14; 123(7):407–10 (Hun)

HISTORY

[Academician V. M. Bekhterev's priority in describing choreic epilepsy] Arkhangel'skiĭ GV. **Zh Nevropatol Psikhiatr** 1981;81(6):929–30 (Rus)
[The sacred disease. Historical aspects and current status] Vasconcelos D. **Gac Med Mex** 1982 Jan;118(1):35–7 (Spa)

IMMUNOLOGY

Antibodies to Escherichia coli and serum immunoglobulin levels in epileptics on long-term anticonvulsant therapy. Andersen P, et al. **Clin Exp Immunol** 1981 Jul;45(1):137–42
Phenytoin influence on human lymphocyte mitogen response: a prospective study of epileptic and nonepileptic patients. Gabourel JD, et al. **Epilepsia** 1982 Aug;23(4):367–76
Immunological findings in epileptic and febrile convulsion patients before and under treatment. Tartara A, et al. **Eur Neurol** 1981;20(4):306–11
Lymphocyte subpopulations and lymphocyte function in phenytoin-treated patients with epilepsy. Gilhus NE, et al. **Int J Immunopharmacol** 1982;4(1):43–8
Immunoglobulin concentrations in patients with a history of febrile convulsions prior to the development of epilepsy. Gilhus NE, et al. **Neuropediatrics** 1981 Nov;12(4):314–8
[Humoral and cell-mediated immunities in epileptic patients (author's transl)] Chiu HC, et al. **Chung Hua Min Kuo Wei Sheng Wu Chi Mien I Hsueh Tsa Chih** 1982 Feb;15(1):30–7 (Eng. Abstr.) (Chi)
[Immunological study of IgA deficiency during anticonvulsant therapy in epileptic patients. II. Study of B cell-terminal differentiation by lymphocyte co-culture with PWM (author's transl)] Matsuoka H, et al. **Arerugi** 1981 May;30(5):259–65 (Eng. Abstr.) (Jpn)
[Levels of serum immunoglobulins in children with epilepsy] Králík M, et al. **Cesk Neurol Neurochir** 1982 Mar;45(2):85–8 (Eng. Abstr.) (Slo)

METABOLISM

Regional protein synthesis in the rat brain during bicuculline-induced epileptic seizures. Kiessling M, et al. **Acta Neuropathol (Berl)** 1981;55(2):157–62
Bone mineral content during pregnancy in epileptics on anticonvulsant drugs and in their newborns. Christiansen C, et al. **Acta Obstet Gynecol Scand** 1981;60(5):501–3
Folic acid absorption test in various clinical conditions. Botez MI, et al. **Ann Nutr Metab** 1981;25(6):389–95
Rectal absorption of diazepam in epileptic children. Dhillon S, et al. **Arch Dis Child** 1982 Apr;57(4):264–7
Neurotransmitter abnormalities as determinants of seizure susceptibility and intensity in the genetic models of epilepsy. Jobe PC, et al. **Biochem Pharmacol** 1981 Dec 1; 30(23):3137–44 (124 ref.)
Pharmacokinetics of diazepam in epileptic patients and normal volunteers following intravenous administration. Dhillon S, et al. **Br J Clin Pharmacol** 1981 Dec;12(6):841–4
Phenytoin: an inhibitor and inducer of primidone metabolism in an epileptic patient. Porro MG, et al. **Br J Clin Pharmacol** 1982 Aug;14(2):294–7
Lignocaine disposition in blood in epilepsy. Routledge PA, et al. **Br J Clin Pharmacol** 1981 Nov;12(5):663–6
Phenytoin–valproate interaction: importance of saliva monitoring in epilepsy. Knott C, et al. **Br Med J [Clin Res]** 1982 Jan 2;284(6308):13–6
Age and phenytoin kinetics in adult epileptics. Bauer LA, et al. **Clin Pharmacol Ther** 1982 Mar;31(3):301–4
Interaction between valproic acid and aspirin in epileptic children: serum protein binding and metabolic effects. Orr JM, et al. **Clin Pharmacol Ther** 1982 May;31(5):642–9
Pharmacokinetics of phenylethylmalonamide (PEMA) in normal subjects and in patients treated with antiepileptic drugs. Cottrell PR, et al. **Epilepsia** 1982 Jun;23(3):307–13
Effect of epileptogenic agents on the incorporation of 3H-glycine into proteins in the cat's cerebral cortex. Rojik I, et al. **Epilepsia** 1982 Jun;23(3):275–81
Differential kinetics of cinromide and two of its metabolites in epileptic patients. Wilensky AJ, et al. **Eur J Clin Pharmacol** 1981;21(2):149–53
Saliva and serum valproic acid levels in epileptic children [letter] Fung K, et al. **J Pediatr** 1982 Mar;100(3):512
First-pass clearance of lidocaine in healthy volunteers and epileptic patients: influence of effective liver volume [letter] Colburn WA. **J Pharm Sci** 1981 Aug;70(8):969–71
Rectal absorption and disposition of secobarbital in epileptic children. Levine HL, et al. **Pediatr Pharmacol (New York)** 1982;2(1):33–8
Ethosuximide in tears, saliva, and cerebrospinal fluid. Piredda S, et al. **Ther Drug Monit** 1981;3(4):321–3
[The study of the hepatic clearance of 131I-rose-bengal in epileptic patients treated with phenobarbital associated or not with hydantoin (author's transl)] Pirotte J. **Acta Gastroenterol Belg** 1981 Jul–Aug;44(7–8):328–35 (Eng. Abstr.) (Fre)
[Bioavailability of phenytoin. Comparison of data obtained in vitro, in healthy volunteers and in epileptic patients] Albani F, et al. **Boll Chim Farm** 1981 Dec;120(12):715–24 (Eng. Abstr.) (Ita)

MORTALITY

Sudden death in epilepsy. A comprehensive review of the literature and proposed mechanisms. Jay GW, et al. **Acta Neurol Scand [Suppl]** 1981;82:1–66 (132 ref.)

NURSING

Patient education in epilepsy. Beniak J. **J Neurosurg Nurs** 1982 Feb;14(1):19–22

OCCURRENCE

[An epidemiological survey of epilepsy in 42 thousand population in Sichuan Province (author's transl)] Liu XH. **Chung Hua Shen Ching Ching Shen Ko Tsa Chih** 1981 Aug; 14(3):135–8 (Chi)

[Epidemiology of epilepsy--incidence rate and prevalence rate (author's transl)] Sato S. **No To Shinkei** 1982 May; 34(5):427-36 **(Jpn)**

PATHOLOGY

Investigations on epileptogenic lesions in relation between ages of the patients and seizure manifestation. Mihara T, et al. **Folia Psychiatr Neurol Jpn** 1981;35(3):267-74

Cerebellar atrophy in epilepsy and headache: lack of relationship to phenytoin. Ballenger CE 3d, et al. **Neurology (NY)** 1982 Aug;32(8):910-2

Alterations of the cortical noradrenergic system in chronic cobalt epileptogenic foci in the rat: a histofluorescent and biochemical study. Trottier S, et al. **Neuroscience** 1981; 6(6):1069-80

Morphological study of human epileptic dendrites. Vaquero J, et al. **Neurosurgery** 1982 Jun;10(6 Pt 1):720-4

The Golgi methods and the abnormal cerebral cortex: epilepsy and aging. Scheibel AB. **Prog Clin Biol Res** 1981; 59A:311-7

[Histochemical study of central nervous system lesions in experimental epilepsy caused by kainic acid] Gerebtzoff MA, et al. **Bull Assoc Anat (Nancy)** 1981 Mar; 65(188):101-12 (Eng. Abstr.) **(Fre)**

[Ultrastructural bases of neuron 'epileptization' and brain 'convulsive readiness'] Chubinidze AI, et al. **Arkh Patol** 1981;43(11):29-33 (Eng. Abstr.) **(Rus)**

[Morphogenesis of epileptic seizures] Chubinidze AI, et al. **Zh Nevropatol Psikhiatr** 1982;82(6):6-9 (Eng. Abstr.) **(Rus)**

[Bone marrow hematopoiesis in epileptics] Shapiro IuL, et al. **Zh Nevropatol Psikhiatr** 1981;81(6):842-5 (Eng. Abstr.) **(Rus)**

PHYSIOPATHOLOGY

Seizures and other paroxysmal disorders. Brill CB, et al. **Adv Pediatr** 1981;28:441-89 (52 ref.)

Bilateral independent periodic lateralized epileptiform discharges. Clinical significance. de la Paz D, et al. **Arch Neurol** 1981 Nov;38(11):713-5

On modelling the variability of interspike intervals during epileptic unit activity. Pongrácz F, et al. **Biol Cybern** 1981; 41(3):165-77

Standardization vs. normalization in the power spectral analysis of the EEG signal. Balestra V, et al. **Boll Soc Ital Biol Sper** 1981 Sep 15;57(17):1823-9

Complexities of primary generalized epilepsy. Niedermeyer E. **Clin Electroencephalogr** 1981 Oct;12(4):177-91

Interhemispheric differences in photosensitive epilepsy. II. Intermittent photic stimulation. Binnie CD, et al. **Electroencephalogr Clin Neurophysiol** 1981 Nov; 52(5):469-72

The effects of constant light on EEG and seizure activity in the epileptic baboon. Ehlers CL, et al. **Electroencephalogr Clin Neurophysiol** 1982 Aug; 54(2):187-93

EEG and clinical features in epileptic children during halothane anaesthesia. Mecarelli O, et al. **Electroencephalogr Clin Neurophysiol** 1981 Nov;52(5):486-9

Habituation of the orienting reaction in patients with post-meningoencephalitic epilepsy. Rogozea R, et al. **Electroencephalogr Clin Neurophysiol** 1982 Jan;53(1):115-8

Subcortical correlates of the auditory brain stem potentials in man: bipolar EEG and multiple unit activity and electrical stimulation. Velasco M, et al. **Electroencephalogr Clin Neurophysiol** 1982 Feb; 53(2):133-42

Interhemispheric differences in photosensitive epilepsy. I. Pattern sensitivity thresholds. Wilkins AJ, et al. **Electroencephalogr Clin Neurophysiol** 1981 Nov;52(5):461-8

Paradoxical lateralization of parasagittal sharp waves in a patient with epilepsia partialis continua. Adelman S, et al. **Epilepsia** 1982 Jun;23(3):291-5

Chronic anticonvulsive therapy, peripheral nerve conduction velocity, and EMG. Danner R, et al. **Epilepsia** 1981 Dec; 22(6):675-87

Comparison of phenytoin and phenobarbital effects on far-field auditory and somatosensory evoked potential interpeak latencies. Green JB, et al. **Epilepsia** 1982 Aug; 23(4):417-21

The epileptic mother and her child. Philbert A, et al. **Epilepsia** 1982 Feb;23(1):85-99 (111 ref.)

Neuronal activity during seizures in monkeys. Wyler AR. **Exp Neurol** 1982 Jun;76(3):574-85

Epileptic cases of late onset with the diffuse slow spike-wave. Kawai I, et al. **Folia Psychiatr Neurol Jpn** 1981;35(2):139-46

Immunological model of epilepsy. Epileptiform activity induced by fragments of antibody to GM1 ganglioside. Karpiak SE, et al. **J Neuroimmunol** 1982 Aug;3(1):15-21

Neurons in human epileptic cortex. Response to direct cortical stimulation. Wyler AR, et al. **J Neurosurg** 1981 Dec;55(6):904-8

Ambulatory EEG monitoring with a 24 hour cassette recorder in epileptic patients. Bruens JH, et al. **Monogr Neural Sci** 1981;5:295-7

Neurometric evaluation of epileptic children who do well and poorly in school. John ER, et al. **Monogr Neural Sci** 1981;5:46-55

A follow-up study of 880 adult ambulatory epileptics. Lehtovaara R, et al. **Monogr Neural Sci** 1981;5:273-6

Effect of cerebellar stimulation of hippocampal epileptic discharges in kindling preparation. Majkowski J, et al. **Monogr Neural Sci** 1981;5:40-5

Value of experimental epilepsy models for clinical research. Majkowski J. **Monogr Neural Sci** 1981;5:1-13

Neuropsychological performances in patients treated with different antiepileptic drugs. Marchesi GF, et al. **Monogr Neural Sci** 1981;5:258-64

A computer analysis of specific and aspecific interictal epileptic activity in man. Rosadini G, et al. **Monogr Neural Sci** 1981;5:74-81

Analysis of seizure dispersion during menstrual cycle in women with epilepsy. Rościszewska D. **Monogr Neural Sci** 1981;5:280-4

Epilepsy and swimming. Sonnen AE. **Monogr Neural Sci** 1981;5:265-70

Analysis of cortical spread of acetylcholine (ACh)--induced epileptiform discharges. Szirmai I, et al. **Monogr Neural Sci** 1981;5:25-9

The epileptic focus in association nuclei of the thalamus in cat. The action on the nucleus lateralis posterior of strong and mild epileptogenic drugs. Crighel E, et al. **Neurol Psychiatr (Bucur)** 1981 Apr-Jun;19(2):111-23

Some interictal peculiarities of the orienting reaction in 'idiopathic' epilepsy. Rogozea R, et al. **Neurol Psychiatr (Bucur)** 1981 Apr-Jun;19(2):97-109

Nervous reactivity changes in subjects with post-meningoencephalitic epilepsy. Rogozea R, et al. **Neurol Psychiatr (Bucur)** 1981 Jul-Sep;19(3):197-204

Paroxysmal, rhythmic lingual movements and chronic epilepsy. Jabbari B, et al. **Neurology (NY)** 1981 Oct; 31(10):1364-7

Response of kidney and bone to parathyroid hormone in children receiving anticonvulsant drugs. Kruse K, et al. **Neuropediatrics** 1982 Feb;13(1):3-9

Telencephalic theory of generalized epilepsy: observations in split-brain patients. Harbaugh RE, et al. **Neurosurgery** 1982 Jun;10(6 Pt 1):725-32

Modulation of spontaneous seizures in the mongolian gerbil: effects of beta-endorphin. Bajorek JG, et al. **Peptides (Fayetteville)** 1982 Jan-Feb;3(1):83-6

Taurine-induced thalamocortical dissociative effects in an experimental model of epilepsy. Lombardini JB, et al. **Prog Clin Biol Res** 1981;68:171-9

The role of taurine and glutamic acid in the epileptic process: a genetic predisposition. van Gelder NM. **Rev Pure Appl Pharmacol Sci** 1981 Oct-Dec;2(4):293-316 (80 ref.)

Cellular mechanism of neuronal synchronization in epilepsy. Traub RD, et al. **Science** 1982 May 14;216(4547):745-7

Sleep spindles in the human hippocampus: normal or epileptic activity? Montplaisir J, et al. **Sleep** 1981;4(4):423-8

Smooth pursuit eye movements in epileptics under antiepileptic medication. Matsue Y, et al. **Tohoku J Exp Med** 1981 Aug;134(4):341-9

[Vigilance, nonREM and REM sleep, and epileptic seizure. Four states or systems: formator-complex (author's transl)] Faber J, et al. **Cas Lek Cesk** 1981 Nov 5;120(44):1338-44 (Eng. Abstr.) **(Cze)**

[Activating effect of sleep deprivation on paroxysmal activity in various types of epilepsy] Zouhar A, et al. **Cesk Neurol Neurochir** 1981 Jul;44(4):210-6 (Eng. Abstr.) **(Cze)**

[Benign epilepsy with occipital spike waves in children] Gastaut H. **Bull Mem Acad R Med Belg** 1981 Nov 28; 136(11):540-55 (Eng. Abstr.) **(Fre)**

[Discriminant analysis of graphic elements of the EEG. Application to the detection of episodes of diffuse spike-waves] Pinon JM, et al. **Int J Biomed Comput** 1982 May;13(3):237-61 (Eng. Abstr.) **(Fre)**

[Epileptic seizures after recovery from an epilepsy with rolandic paroxysms (author's transl)] Beaussart M. **Rev Electroencephalogr Neurophysiol Clin** 1981 Dec; 11(3-4):489-92 (Eng. Abstr.) **(Fre)**

[Epilepsy beginning between 18 and 39 years of age (author's transl)] Courjon J, et al. **Rev Electroencephalogr Neurophysiol Clin** 1981 Dec; 11(3-4):509-13 (Eng. Abstr.) **(Fre)**

[Longitudinal study of epilepsies occurring in adults (author's transl)] Farnarier G, et al. **Rev Electroencephalogr Neurophysiol Clin** 1981 Dec; 11(3-4):531-6 (Eng. Abstr.) **(Fre)**

[Longitudinal study of epilepsies occurring during adolescence (author's transl)] Iemolo F, et al. **Rev Electroencephalogr Neurophysiol Clin** 1981 Dec; 11(3-4):502-8 (Eng. Abstr.) **(Fre)**

[Epilepsies of the young adult (author's transl)] Jallon P, et al. **Rev Electroencephalogr Neurophysiol Clin** 1981 Dec; 11(3-4):520-3 (Eng. Abstr.) **(Fre)**

[General considerations on the kindling effect. Possible extrapolation to man of data obtained by animal experimentation (author's transl)] Le Gal la Salle G, et al. **Rev Electroencephalogr Neurophysiol Clin** 1981 Dec; 11(3-4):324-8 (Eng. Abstr.) **(Fre)**

[Epileptics with EEG independent multifocal spike discharges (author's transl)] Loiseau P, et al. **Rev Electroencephalogr Neurophysiol Clin** 1981 Nov; 11(2):259-66 (Eng. Abstr.) **(Fre)**

[Adolescence epilepsy--a clinical, electroencephalographical and prognostic study (author's transl)] Loiseau P, et al. **Rev Electroencephalogr Neurophysiol Clin** 1981 Dec; 11(3-4):493-501 (Eng. Abstr.) **(Fre)**

[EEG analysis and prognosis in 125 cases of non-hyperpyretic seizures occurring in children under three (author's transl)] Samson-Dollfus D, et al. **Rev Electroencephalogr Neurophysiol Clin** 1981 Dec; 11(3-4):425-30 (Eng. Abstr.) **(Fre)**

[Seizures after the age of sixty (author's transl)] Vercelletto P, et al. **Rev Electroencephalogr Neurophysiol Clin** 1981 Dec;11(3-4):537-44 (Eng. Abstr.) **(Fre)**

[Frequency and semeiological evolution of epileptic seizures occurring between 40 and 65 years of age (author's transl)] Vespignani H, et al. **Rev Electroencephalogr Neurophysiol Clin** 1981 Dec; 11(3-4):524-30 (Eng. Abstr.) **(Fre)**

[Sleep deprivation and spontaneous sleep: a complex activation method in cases of suspected epilepsy] Clemens B, et al. **Orv Hetil** 1982 Feb 21;123(8):459-61 **(Hun)**

[Effect of physical exertion on seizure discharges in the EEG of epilepsy patients] Horyd W, et al. **Neurol Neurochir Pol** 1981 Sep-Dec;15(5-6):545-52 (Eng. Abstr.) **(Pol)**

[Influence of menstruation on epilepsy] Marques-Assis L. **Arq Neuropsiquiatr** 1981 Dec;39(4):390-5 (Eng. Abstr.) **(Por)**

[Clinical and experimental mechanisms of epilepsy (review)] Akhmerov NU. **Zh Nevropatol Psikhiatr** 1982;82(6):106-18 **(Rus)**

[Effectiveness and current principles of pharmacologic diagnosis of epileptic focus using short- and ultrashort-acting analeptics and barbiturates] Saradzhishvili PM, et al. **Zh Nevropatol Psikhiatr** 1981;81(6):820-8 (Eng. Abstr.) **(Rus)**

[Cerebral blood-filling, tonus of cerebral vessels and intracranial pressure in epileptic patients during a single seizure] Bein BN, et al. **Zh Vopr Neirokhir** 1981 Sep-Oct; (5):22-8 (Eng. Abstr.) **(Rus)**

PREVENTION & CONTROL

[Prevention of epilepsy and epileptic syndromes in children] Remezova ES, et al. **Pediatriia** 1981 Jul;(7):65-7 **(Rus)**

PSYCHOLOGY

Pediatric group: introductory aspects on memory function in epilepsy. Eeg-Olofsson O. **Acta Neurol Scand [Suppl]** 1981;89:155

Review on epilepsy and memory in children. Scheffner D, et al. **Acta Neurol Scand [Suppl]** 1981;89:157-81

Memory impairment in children with epilepsy. Stores G. **Acta Neurol Scand [Suppl]** 1981;89:21-9

EEG operant conditioning in intractable epileptics. Lubar JF, et al. **Arch Neurol** 1981 Nov;38(11):700-4

Epilepsy and episodic aggression [letter] Mark VH. **Arch Neurol** 1982 Jun;39(6):384-6

Patient perspectives of epilepsy. Beran RG, et al. **Clin Exp Neurol** 1981;17:59-69

Dichotic monitoring as a test of hemispheric dominance in cases of epilepsy. Wale J, et al. **Cortex** 1981 Apr; 17(1):135-40

Social problems of adolescent and adult epileptics in a developing country, as seen in Lagos, Nigeria. Danesi MA, et al. **Epilepsia** 1981 Dec;22(6):689-96

Behavioral problems and social competence in children with epilepsy. Hermann BP, et al. **Epilepsia** 1981 Dec; 22(6):703-10

Test-retest IQ changes of epilepsy patients: assessing the influence of practice effects. Seidenberg M, et al. **J Clin Neuropsychol** 1981 Oct;3(3):237-55

Psychosis and epilepsy: seizure-type comparisons and high-risk variables. Hermann BP, et al. **J Clin Psychol** 1981 Oct;37(4):714-21

Identification of neuropsychological deficits in epilepsy using the Luria-Nebraska Neuropsychological Battery. Berg RA, et al. **J Consult Clin Psychol** 1981 Oct;49(5):745-7

Pathological laughter. A review of the literature. Black DW. **J Nerv Ment Dis** 1982 Feb;170(2):67-71

Social and psychological considerations in chronic disease: with particular reference to the management of seizure disorders. Heisler AB, et al. **J Pediatr Psychol** 1981 Sep; 6(3):239-50

Epilepsy and violence [editorial] **Lancet** 1981 Oct 31; 2(8253):966-7

Epilepsy and violence [letter] Brewer C, et al. **Lancet** 1981 Dec 12;2(8259):1351

Secondary psychic disturbances in epilepsy. Boldyrev AI. **Monogr Neural Sci** 1981;5:250-5

Living with epilepsy: medical and social considerations. Valerio P, et al. **Monogr Neural Sci** 1981;5:245-9

Retention of orienting reaction habituation in patients with postmeningoencephalitic epilepsy. Rogozea R, et al. **Pavlov J Biol Sci** 1982 Jan-Mar;17(1):9-15

Attentional and perceptual disturbances in children with Tourette's syndrome, attention deficit disorder, and epilepsy. Harcherik DF, et al. **Schizophr Bull** 1982; 8(2):356-9

[Psychosocial and somatic aspects of epilepsy] Rutgers MJ, et al. **Ned Tijdschr Geneeskd** 1982 May 1;126(18):798-803 (Eng. Abstr.) **(Dut)**

[Influence of actual epileptic seizures on performance and personality in epileptic children (author's transl)] Sohns G. **Arch Psychiatr Nervenkr** 1981;231(1):111-21 (Eng. Abstr.) **(Ger)**

[A situational psychological look at epileptic seizures] Date T. **Folia Psychiatr Neurol Jpn** 1982;36(1):1-16 (Eng. Abstr.)

(Ger)
[Public attitudes toward epilepsy in the Federal Republic of Germany. Trends from 1967 to 1978 (author's transl)] Finke M. **Nervenarzt** 1981 Oct;52(10):581–4 (Ger)
[Psychopathology of diurnal and sleep epilepsies (author's transl)] Hebenstreit G. **Nervenarzt** 1982 May;53(5):287–90 (Ger)
[Anxiety attacks as epileptic equivalents (author's transl)] Strian F, et al. **Nervenarzt** 1982 May;53(5):246–53 (Ger)
[Epilepsy between neurology and psychiatry] Lange E, et al. **Psychiatr Neurol Med Psychol (Leipz)** 1981 Nov; 33(11):652–6 (Eng. Abstr.) (Ger)
[Initial results of computer analysis of behavioral systems in patients with epilepsy] Oettinger B, et al. **Psychiatr Neurol Med Psychol (Leipz)** 1982 Apr; 34(4):242–53 (Eng. Abstr.) (Ger)
[The epileptic patient from the viewpoint of the healthy partner] Späte HF. **Z Arztl Fortbild (Jena)** 1982 Mar 1; 76(5):181–3 (Ger)
[Psychiatric problematics in Polish epileptology over the past 35 years] Bilikiewicz A. **Psychiatr Pol** 1981 Mar–Apr; 15(2):189–93 (Pol)
[Clinical characteristics and treatment of cognition disorders in epilepsy] Shul'ga AI, et al. **Vrach Delo** 1981 Oct; (10):92–5 (Rus)
[The child with paroxysmal disease at school (author's transl)] Sútovec J. **Cesk Psychiatr** 1981;77(4):271–6 (Eng. Abstr.) (Slo)

RADIOGRAPHY

Psychoses of epilepsy: a radiological evaluation. Toone BK, et al. **Br J Psychiatry** 1982 Mar;140:244–8
[Possible late-onset secondary generalized epilepsy. contribution of computed tomography (author's transl)] Gastaut H, et al. **Rev Electroencephalogr Neurophysiol Clin** 1981 Jul–Sep; 10(3):276–82 (Eng. Abstr.) (Fre)
[The significance of neuroradiologic course examinations in late epilepsies] Wendt U. **Psychiatr Neurol Med Psychol (Leipz)** 1982 May; 34(5):301–4 (Ger)

REHABILITATION

Rehabilitation in epilepsy. A follow-up study. Heinonen A, et al. **Monogr Neural Sci** 1981;5:277–9
[Combined surgical and prosthetic rehabilitation of epileptics] Joós L, et al. **Fogorv Sz** 1982 May;75(5):148–51 (Hun)

SURGERY

Neuro-physio-surgery in the Netherlands since 1971. Storm van Leeuwen W. **Acta Neurochir (Wien)** 1982; 61(1–3):249–56
Stereotactic fields of Forel interruption for intractable epilepsy. Ramani SV, et al. **Appl Neurophysiol** 1980; 43(3–5):104–8
Surgical aspects of the treatment of epilepsy during childhood and adolescence. Green JR, et al. **Ariz Med** 1982 Jan;39(1):35–8
Phonological encoding and ideographic reading by the disconnected right hemisphere: two case studies. Zaidel E, et al. **Brain Lang** 1981 Nov;14(2):205–34
Selection of patients with chronic drug-resistant epilepsy for resective surgery: 5 years' experience. Polkey CE. **J R Soc Med** 1981 Aug;74(8):574–9
'Central' commissurotomy for intractable generalized epilepsy: series two. Wilson DH, et al. **Neurology (NY)** 1982 Jul;32(7):687–97
Selective amygdalohippocampectomy as a surgical treatment of mesiobasal limbic epilepsy. Wieser HG, et al. **Surg Neurol** 1982 Jun;17(6):445–57
[Intravenous anesthesia in patients with cerebral spasms] Koch D, et al. **Klin Anasthesiol Intensivther** 1981;23:322–5 (Ger)
[Neurophysiologic basis and results of stereotaxic combined surgical treatment of complex forms of epileptic seizures] Chkhenkeli SA. **Zh Nevropatol Psikhiatr** 1982;82(6):91–101 (Rus)
[Analysis of several causes of inadequate surgical treatment of epilepsy] Chkhenkeli SA. **Zh Vopr Neirokhir** 1981 May–Jun;(3):47–55 (Eng. Abstr.) (Rus)

THERAPY

Update of chronic cerebellar stimulation for spasticity and epilepsy. Davis R, et al. **Appl Neurophysiol** 1982; 45(1–2):44–50
Contribution of stereoelectroencephalographic studies to reduction of failure rates of cortical resection for seizure control. Rayport M, et al. **Appl Neurophysiol** 1982; 45(4–5):468–70
A contribution to selecting the optimal stimulation program. Sramka M, et al. **Appl Neurophysiol** 1982;45(1–2):114–5
Management of hysterical seizures in epileptic patients. Ramani V, et al. **Arch Neurol** 1982 Feb;39(2):78–81
Epilepsy: an exercise in needs analysis (1981 F H Faulding Memorial Award winning essay). Beran RG. **Aust Fam Physician** 1982 Apr;11(4):321–2, 324–5
Recent developments in the treatment of epilepsy, part II: modern therapeutic methods. Pellock JM. **Del Med J** 1981 Jul;53(7):361–4
Quality of care of epilepsy in Italy: multi-hospital survey of diagnosis and treatment of 1104 epileptic patients. Beghi E, et al. **Epilepsia** 1982 Apr;23(2):133–48
Choice of anticonvulsants in epilepsy. Maheshwari MC. **Indian Pediatr** 1981 May;18(5):331–46
Treatment efficacy and employment of epileptics. Huber Z, et al. **Monogr Neural Sci** 1981;5:256–7
EEG biofeedback: physiological behavior modification. Sterman MB. **Neurosci Biobehav Rev** 1981 Fall;5(3):405–12
Management of infected cerebellar stimulation systems. Davis R, et al. **Neurosurgery** 1982 Mar;10(3):340–3
The management of the epilepsies and other seizures. Gardner-Thorpe C. **Practitioner** 1981 Oct; 225(1360):1404–12
Group work with young adult epilepsy patients. Appolone C, et al. **Soc Work Health Care** 1980 Winter;6(2):23–32
[Effect of cerebellar cortical electrostimulation on the frequency of epileptic seizures in severe forms of epilepsy] Bidziński J, et al. **Neurol Neurochir Pol** 1981 Sep–Dec; 15(5–6):605–9 (Eng. Abstr.) (Pol)
[Complex psychotherapy of epileptic children in a psychiatric hospital] Kaubish VK, et al. **Zh Nevropatol Psikhiatr** 1981; 81(6):887–91 (Eng. Abstr.) (Rus)
[Personality structure of the epileptic and rehabilitation (author's transl)] Stráköš J, et al. **Cesk Psychiatr** 1981 Oct; 77(5):322–5 (Eng. Abstr.) (Slo)

VETERINARY

Clinical evaluation of the new compound diphenylsilanediol for ani-epileptic efficacy and toxicity. Cunningham JG, et al. **Am J Vet Res** 1981 Dec;42(12):2178–81
Reflex epilepsy in a dog. Fisher TM. **Mod Vet Pract** 1981 Apr;62(4):305–7

EPILEPSY, ABDOMINAL see **EPILEPSY, TEMPORAL LOBE**

EPILEPSY, FOCAL

CHEMICALLY INDUCED

Effects of L-glutamate on cyclic AMP levels in slices from different areas of rat cerebral cortex with a chronic iron-induced focus. Hattori Y, et al. **Acta Med Okayama** 1981 Oct;35(4):289–91

CLASSIFICATION

Classification of partial epilepsies according to the symptomatology of seizures: practical value and prognostic implications. Pazzaglia P, et al. **Epilepsia** 1982 Jun; 23(3):343–50

COMPLICATIONS

[Acquired aphasia in epileptic children—four cases with electrical infraclinic status epilepticus during sleep (author's transl)] Billard C, et al. **Rev Electroencephalogr Neurophysiol Clin** 1981 Dec; 11(3–4):457–67 (Eng. Abstr.) (Fre)
[Unilateral epilepsy with hemiplegia in the child (author's transl)] Mises J, et al. **Rev Electroencephalogr Neurophysiol Clin** 1981 Dec; 11(3–4):445–9 (Eng. Abstr.) (Fre)

DIAGNOSIS

Atypical benign partial epilepsy of childhood. Aicardi J, et al. **Dev Med Child Neurol** 1982 Jun;24(3):281–92
Focal epileptic EEG discharges in children not suffering from clinical epilepsy: etiology, clinical significance, and management. Lerman P, et al. **Epilepsia** 1981 Oct; 22(5):551–8
Partial epilepsy in childhood: clinical and EEG study of 261 cases. Scarpa P, et al. **Epilepsia** 1982 Jun;23(3):333–41
Thrombosed arteriovenous malformations of the brain. An important entity in the differential diagnosis of intractable focal seizure disorders. Wharen RE Jr, et al. **J Neurosurg** 1982 Oct;57(4):520–6
[The benigne epilepsy in childhood with occipital spike wave complexes (author's transl)] Gastaut H. **EEG EMG** 1982 Mar;13(1):3–8 (Eng. Abstr.) (Ger)
[Status of simple partial seizures with alexia (author's transl)] Hacke W. **Nervenarzt** 1981 Oct;52(10):590–5 (Ger)
[Epileptic EEG discharges without clinical entity] Lerman P. **Harefuah** 1982 Jan 15;102(2):53–5 (Eng. Abstr.) (Heb)
[Partial seizures with affective symptomatology of fear in children] Iemolo F, et al. **Riv Neurol** 1981 Nov–Dec; 51(6):344–54 (Eng. Abstr.) (Ita)
[Various aspects of the development and course of remissions in focal epilepsy] Miakotnykh VS. **Zh Nevropatol Psikhiatr** 1982;82(6):30–6 (Eng. Abstr.) (Rus)

DRUG THERAPY

Anticonvulsant properties of two new 3,3-diethyl-2,4-pyridinedione derivatives. II. Effects on two experimental models of cortical focal epilepsy in cats. Dimov S, et al. **Acta Physiol Pharmacol Bulg** 1981; 7(2):53–60
Clinical trials of carbamazepine for autonomic seizures with and without generalized epileptic seizures. Kurata S. **Brain Dev** 1982;4(2):81–6
Clorazepate and phenobarbital as antiepileptic drugs: a double-blind study. Wilensky AJ, et al. **Neurology (NY)** 1981 Oct;31(10):1271–6
[Effect of valproate monotherapy on spike-wave activity in generalized epilepsies (author's transl)] Stefan H, et al. **Nervenarzt** 1981 Dec;52(12):707–14 (Ger)

ETIOLOGY

Epilepsia partialis continua following metrizamide cisternography [letter] Shiozawa Z, et al. **Ann Neurol** 1981 Oct;10(4):400–1
Acute hemiconvulsive encephalopathy of childhood with prominent unilateral delta activity in the electroencephalogram. Markand ON. **Indian J Pediatr** 1981 Mar–Apr;48(391):137–48
Delayed psychosis after right temporoparietal stroke or trauma: relation to epilepsy. Levine DN, et al. **Neurology (NY)** 1982 Mar;32(3):267–73
[Cerebrovascular accident presenting as continuous partial epilepsy (author's transl)] Friocourt P, et al. **Ann Med Interne (Paris)** 1981;132(8):551–3 (Eng. Abstr.) (Fre)
[Perceptibility and differentiation of local effects-comparison between Hjorths source-derivation and conventional recordings (author's transl)] Gabel U, et al. **EEG EMG** 1982 Mar;13(1):42–50 (Eng. Abstr.) (Ger)
[Focal crises induced by intermittent photic stimulation (case report)] Raudino F. **Riv Neurobiol** 1980 Jul–Sep;26(3):345–9 (Ita)
[Clinical picture and pathogenesis of Jacksonian seizures in cerebral arteriovenous aneurysms] Bova VE. **Zh Nevropatol Psikhiatr** 1982;82(6):57–62 (Eng. Abstr.) (Rus)

HISTORY

[The insanity of King Charles VI of France] Lesný I. **Cas Lek Cesk** 1982 May 14;121(19):597–600 (Eng. Abstr.) (Cze)

IMMUNOLOGY

Immunological findings in epileptic and febrile convulsion patients before and under treatment. Tartara A, et al. **Eur Neurol** 1981;20(4):306–11

METABOLISM

[Radioautographic study of protein synthesis in the neurons of the epileptogenic mirror focus in the rat brain. I. The stage of the occurrence of steady convulsive activity and the anterior parietal area of the cortex] Khudierkov RM. **Tsitologiia** 1982 Mar;24(3):287–92 (Eng. Abstr.) (Rus)

PATHOLOGY

Fine structure of experimental epileptogenic focus produced by intracerebral implantation of cobalt-gelatin stick in rabbits. Nakamura I, et al. **Folia Psychiatr Neurol Jpn** 1981; 35(1):103–11

PHYSIOPATHOLOGY

A new type of epilepsy: benign partial epilepsy of childhood with occipital spike-waves. Gastaut H. **Clin Electroencephalogr** 1982 Jan;13(1):13–22
Comparative study of aminopyridine-induced seizure activities in primary and mirror foci of cat's cortex. Szente M, et al. **Electroencephalogr Clin Neurophysiol** 1981 Oct; 52(4):353–67
Model for simulating cyclic variations in focal epileptogenic excitability. Gutnick MJ, et al. **Isr J Med Sci** 1982 Jan; 18(1):119–25
Automatic computerized investigation on EEG interictal spikes of human focal epilepsies. Angeleri F, et al. **Monogr Neural Sci** 1981;5:63–73
Local somatostatin of the brain, an agent in the genesis of focal epilepsy? Elomaa E, et al. **Monogr Neural Sci** 1981; 5:30–1
Inhibitory effect of central vision on occipital lobe seizures. Panayiotopoulos CP. **Neurology (NY)** 1981 Oct; 31(10):1330–3
Detection of brain tumours in patients with focal epilepsy by regional cerebral blood flow measurements. Gelmers HJ, et al. **Neurosurg Rev** 1981;4(2):79–82
[Study on focalized EEG paroxysms in children (author's transl)] Bonifas P, et al. **Rev Electroencephalogr Neurophysiol Clin** 1981 Dec; 11(3–4):474–80 (Eng. Abstr.) (Fre)
[The partial epilepsies in childhood—evolution and prognosis factors (author's transl)] Roger J, et al. **Rev Electroencephalogr Neurophysiol Clin** 1981 Dec; 11(3–4):431–7 (Eng. Abstr.) (Fre)
[Genital and sexual manifestations occurring in the course of partial seizures in man (author's transl)] Stoffels C, et al. **Rev Electroencephalogr Neurophysiol Clin** 1980 Oct-Dec;10(4):386–92 (Eng. Abstr.) (Fre)

PSYCHOLOGY

Psychiatric symptom patterns of chronic epileptics attending a neurological clinic: a controlled investigation. Kogeorgos J, et al. **Br J Psychiatry** 1982 Mar;140:236–43
Interictal personality and behavioral traits in temporal lobe and generalized epilepsy. Hermann BP, et al. **Cortex** 1981

Apr;17(1):125–8
The visual evoked potential during development of focal epilepsy. Rosen AD, et al. **J Neurol Sci** 1982 Feb; 53(2):217–24
Interictal psychopathology in patients with ictal fear: a quantitative investigation. Hermann BP, et al. **Neurology (NY)** 1982 Jan;32(1):7–11
[Psychopathology of epilepsy according to the WHO-classification (author's transl)] Hebenstreit G. **Psychiatr Prax** 1982 Mar;9(2):56–8 (Eng. Abstr.) **(Ger)**

RADIOGRAPHY

The diagnostic value of computerized axial tomography (CAT) in focal epilepsy. Grądzki J, et al. **Monogr Neural Sci** 1981;5:89–93
[Dynamics of pneumoencephalographic changes in focal epilepsy] Miakotnykh VS. **Zh Nevropatol Psikhiatr** 1981; 81(6):868–73 (Eng. Abstr.) **(Rus)**

SURGERY

[Stereotaxic surgery of focal epilepsy in extensive brain lesions] Skriabin VV, et al. **Zh Vopr Neirokhir** 1982 Jan-Feb;(1):7–12 (Eng. Abstr.) **(Rus)**

THERAPY

Antiepileptic drug monitoring in selecting epileptic patients for surgery. Sironi VA, et al. **Acta Neurol (Napoli)** 1981 Dec;36(6):735–42
Occipitotemporal epilepsy studied with stereotaxically implanted depth electrodes and successfully treated by temporal resection. Olivier A, et al. **Ann Neurol** 1982 Apr; 11(4):428–32
Curative or palliative possibilities in the surgical treatment of epileptic patients. García Sola R, et al. **Appl Neurophysiol** 1982;45(4–5):471–7
Stereotactic VA thalamotomy for the control of focal seizures: experimental and clinical studies. Mori K, et al. **Appl Neurophysiol** 1982;45(4–5):478–83

EPILEPSY, GRAND MAL

CHEMICALLY INDUCED

Grand mal seizures induced by maprotiline. Holliday W, et al. **Am J Psychiatry** 1982 May;139(5):673–4
Seizures associated with maprotiline [letter] Kim WY. **Am J Psychiatry** 1982 Jun;139(6):845–6
Convulsions after distigmine bromide [letter] Handler CE. **Anaesth Intensive Care** 1982 May;10(2):168–9
A unique case of grand mal seizures after fluress. Cohn HC, et al. **Ann Ophthalmol** 1981 Dec;13(12):1379–80
First-dose effects of bromocriptine in hyperprolactinaemic infertility. Biggs JS, et al. **Aust NZ J Obstet Gynaecol** 1981 May;21(2):111–2
Xylene-induced epilepsy following innocent glue sniffing [letter] Arthur LJ, et al. **Br Med J [Clin Res]** 1982 Jun 12;284(6331):1787
Maprotiline and seizures. Hoffman BF, et al. **J Clin Psychiatry** 1981 Mar;43(3):117–8
Prevention of adverse reactions to Amipaque in cervical myelography. Report of a homogeneous series of 380 patients. Legré J, et al. **J Neuroradiol** 1981;8(4):353–61 **(Eng, Fre)**
Convulsions after abrupt withdrawal of baclofen [letter] Barker I, et al. **Lancet** 1982 Sep 4;2(8297):556–7
Bendrofluazide convulsions [letter] Hine KR, et al. **Lancet** 1982 Mar 6;1(8271):564
Seizures due to metrizamide myelography in patients with acute cervical spine injury. Conner ES, et al. **Neurosurgery** 1982 Feb;10(2):266–7
Convulsions during epidural anaesthesia [letter] **S Afr Med J** 1981 Sep 19;60(12):449
[Clinical and electroencephalographic aspects of a severe case of alphachloralose poisoning] Shita A, et al. **Acta Clin Belg** 1981;36(1):20–4 (Eng. Abstr.) **(Fre)**
[Acute neurological complications following intrathecal fluorescein injection (author's transl)] Mees K, et al. **Laryngol Rhinol Otol (Stuttg)** 1982 Feb;61(2):102–4 (Eng. Abstr.) **(Ger)**
[Brain damage and epilepsy in a sailor of a tanker carrying chemicals] Fossan GO, et al. **Tidsskr Nor Laegeforen** 1982 Jan 30;102(3):183–4 (Eng. Abstr.) **(Nor)**
[Hypertension, grand mal epilepsy, intestinal dyskinesia, sensitive motor neuropathy and hyponatremia resulting from acute vincristine overdosage (author's transl)] Fernández MN, et al. **Sangre (Barc)** 1981;26(2):209–15 (Eng. Abstr.) **(Spa)**

COMPLICATIONS

Acute pulmonary oedema following grand mal epilepsy and as a complication of electric shock therapy. Buisseret P. **Br J Dis Chest** 1982 Apr;76(2):194–5
Recurrent postictal pulmonary edema: a case report and review of the literature. Darnell JC, et al. **Epilepsia** 1982 Feb;23(1):71–83

DIAGNOSIS

Epileptic seizures in the elderly: II. Diagnostic problems. Godfrey JW, et al. **Age Ageing** 1982 Feb;11(1):29–34
Continuous EEG recording: a new diagnostic tool. Lai CW, et al. **J Kans Med Soc** 1981 Mar;82(3):107–10
Ictus emeticus. Jacome DE, et al. **Neurology (NY)** 1982 Feb; 32(2):209–12
[Study on the constancy of EEG characteristics in epileptic patients (author's transl)] Fröscher W. **EEG EMG** 1982 Mar;13(1):9–13 (Eng. Abstr.) **(Ger)**

DRUG THERAPY

Effectiveness of acetazolamide in the treatment of carbamazepine-resistant epilepsy in children. Forsythe WI, et al. **Dev Med Child Neurol** 1981 Dec;23(6):761–9
[Hormonal dependence of some paroxysmal pathological conditions (author's transl)] Bočan P, et al. **Cesk Gynekol** 1981 Feb;46(1):35–8 (Eng. Abstr.) **(Cze)**
[Effect of valproate monotherapy on spike-wave activity in generalized epilepsies (author's transl)] Stefan H, et al. **Nervenarzt** 1981 Dec;52(12):707–14 **(Ger)**

ETIOLOGY

Tuberous sclerosis in the aetiology of the so-called idiopathic epilepsies and psychoses. Rakoff J. **S Afr Med J** 1981 Oct 10;60(15):574–8
[Primary reading epilepsy; a case report (author's transl)] Atassi M. **EEG EMG** 1981 Sep;12(3):128–31 (Eng. Abstr.) **(Ger)**

METABOLISM

Serum and cerebrospinal fluid calcium and magnesium levels in cases of idiopathic grand mal epilepsy and induced convulsions. Govil MK, et al. **J Assoc Physicians India** 1981 Sep;29(9):695–9

OCCURRENCE

[Periods in the course of the epileptic process] Vul' FR, et al. **Zh Nevropatol Psikhiatr** 1982;82(6):16–21 **(Rus)**

PHYSIOPATHOLOGY

Generalized paroxysmal fast activity: electroencephalographic and clinical features. Brenner RP, et al. **Ann Neurol** 1982 Apr;11(4):386–90

THERAPY

Chronic cerebellar stimulation in the modulation of behavior. Correa AJ, et al. **Acta Neurol Latinoam** 1980;26(3):143–53

EPILEPSY, MYOCLONUS

CHEMICALLY INDUCED

Seizures associated with amoxapine [letter] Koval G, et al. **Am J Psychiatry** 1982 Jun;139(6):845
Acute intoxication with valproate [letter] Eeg-Olofsson O, et al. **Lancet** 1982 Jun 5;1(8284):1306

COMPLICATIONS

[An autopsy case of degenerative type myoclonus epilepsy associated with Friedreich's ataxia and mitochondrial myopathy (author's transl)] Nakano T, et al. **No To Shinkei** 1982 Apr;34(4):321–32 (Eng. Abstr.) **(Jpn)**

DIAGNOSIS

Clinical stages of progressive myoclonus epilepsy in adult patients. Leino E, et al. **Acta Neurol Scand** 1982 Jan; 65(1):19–29
Muscular inhibitory and excitatory phenomena during spike-and-wave discharges: effect of posture [letter] Cirignotta F, et al. **J Neurol Neurosurg Psychiatry** 1981 Dec;44(12):1172–3
[Early myoclonic epileptic encephalopathy (EMEE) (author's transl)] Dalla Bernardina B, et al. **Rev Electroencephalogr Neurophysiol Clin** 1982 Apr; 12(1):8–14 (14 ref.) (Eng. Abstr.) **(Fre)**
[Severe infant myoclonic epilepsy (author's transl)] Dalla Bernardina B, et al. **Rev Electroencephalogr Neurophysiol Clin** 1982 Apr; 12(1):21–5 (17 ref.) (Eng. Abstr.) **(Fre)**
[Spinocerebellar degeneration, optic atrophy, epilepsy, myoclonus and mitochondrial myopathy: a case report (author's transl)] Roger J, et al. **Rev Neurol (Paris)** 1982; 138(3):187–200 (Eng. Abstr.) **(Fre)**
[Clinical and neurophysiologic aspects of status myoclonicus] Müller D, et al. **Psychiatr Neurol Med Psychol (Leipz)** 1982 Feb;34(2):88–94 (Eng. Abstr.) **(Ger)**
[Sleep disorders in the Unverricht-Lundborg myoclonic epilepsy syndrome] Iakhno NN. **Zh Nevropatol Psikhiatr** 1982;82(6):66–73 (Eng. Abstr.) **(Rus)**

DIET THERAPY

Diet induced ketosis in epilepsy and anaesthesia. Metabolic changes in three patients on a ketogenic diet. Hinton W, et al. **Anaesthesia** 1982 Jan;37(1):39–42

DRUG THERAPY

Open trial with levodopa-carbidopa combination to patients with long-standing progressive myoclonus epilepsy. Leino E. **Acta Neurol Scand** 1981 Jun;63(6):389–94
L-tryptophan-carbidopa trial in patients with long-standing progressive myoclonus epilepsy. Leino E, et al. **Acta Neurol Scand** 1981 Aug;64(2):132–41
Valproate and clonazepam in the treatment of severe progressive myoclonus epilepsy. Iivanainen M, et al. **Arch Neurol** 1982 Apr;39(4):236–8
Opposite effects of lorazepam on two kinds of myoclonus in the photosensitive Papio papio. Valin A, et al. **Electroencephalogr Clin Neurophysiol** 1981 Dec; 52(6):647–51
Effect of a thyrotropin releasing hormone analog in a patient with myoclonus epilepsy. Inanaga K, et al. **Kurume Med J** 1981;28(3):201–10

ETIOLOGY

[Myoclonias as a manifestation of degenerative disorders of the central nervous system in childhood] Aicardi J. **Rev Electroencephalogr Neurophysiol Clin** 1982 Apr; 12(1):15–20 (44 ref.) (Eng. Abstr.) **(Fre)**
[A Lance-Adams syndrome of a diver (author's transl)] Yoshida Y, et al. **No To Shinkei** 1981 Oct;33(10):1051–6 (Eng. Abstr.) **(Jpn)**

FAMILIAL & GENETIC

Familial progressive myoclonic epilepsy. A clinical, genetical, biochemical and patho-anatomical study of a family with a 6-year follow-up. Pedersen E, et al. **J Neurol Sci** 1982 Feb;53(2):305–20
Brain cell chromosome translocation (2q;14q) associated with continuous partial epilepsy [letter] Carpentier S, et al. **Lancet** 1982 Jun 26;1(8287):1473
Familial myoclonus epilepsy and choreoathetosis: hereditary dentatorubral-pallidoluysian atrophy. Naito H, et al. **Neurology (NY)** 1982 Aug;32(8):798–807
An atypical form of familial myoclonus epilepsy. A case report. Sandyk R. **S Afr Med J** 1982 Mar 6;61(10):366–7

IMMUNOLOGY

Progressive myoclonus epilepsy is not accompanied by humoral immune response within the central nervous system. Link H, et al. **Acta Neurol Scand** 1982 Jan; 65(1):76–80
Oligoclonal bands in myoclonus epilepsy [letter] Keshgegian AA. **Arch Neurol** 1982 May;39(5):321
HLA antigens and cryptogenic myoclonic epilepsy. Monaghan HP, et al. **Ir J Med Sci** 1982 Jun;151(6):188–9

PATHOLOGY

Lafora's disease. Clinical, histological ultrastructural and biochemical study. Federico A, et al. **Acta Neurol (Napoli)** 1980 Dec;35(6):166–75
Sweat gland duct cells in Lafora disease: diagnosis by skin biopsy. Carpenter S, et al. **Neurology (NY)** 1981 Dec; 31(12):1564–8
[Lafora disease] Perentes E, et al. **Rev Med Suisse Romande** 1981 Sep;101(9):697–711 **(Fre)**

PHYSIOPATHOLOGY

Electrophysiological signs of peripheral nerve dysfunction in progressive myoclonus epilepsy. Danner R, et al. **Acta Neurol Scand** 1981 Jun;63(6):381–8
[The benign myoclonic epilepsy of infancy (author's transl)] Dravet C, et al. **Rev Electroencephalogr Neurophysiol Clin** 1981 Dec; 11(3–4):438–44 (Eng. Abstr.) **(Fre)**

EPILEPSY, PARTIAL see **EPILEPSY, FOCAL**

EPILEPSY, PARTIAL COMPLEX see **EPILEPSY, TEMPORAL LOBE**

EPILEPSY, PETIT MAL

BLOOD

Blood serotonin in untreated petit-mal epileptics and influence of efficient treatment with either ethosuximide or valproate. Volanschi D, et al. **Neurol Psychiatr (Bucur)** 1982 Jan-Mar;20(1):67–70

COMPLICATIONS

Petit mal and learning disorders [letter] Sandyk R. **S Afr Med J** 1981 Nov 28;60(22):842–3

DIAGNOSIS

Microcomputer-based system for the detection and quantification of petit mal epilepsy. Principe JC, et al. **Comput Biol Med** 1982;12(2):87–95
Neurological and electroencephalographic abnormalities after febrile seizures. Possible association with cytomegalovirus. Iannetti P, et al. **Ital J Neurol Sci** 1981 May;2(2):153–7
Electroencephalographic map – a new computer processing method for diagnosis in clinical and experimental neurophysiology. Poliac M, et al. **Neurol Psychiatr (Bucur)** 1981 Oct-Dec;19(4):289–302
[Study of 4 cases of post-partum petit mal status (author's transl)] Beaumanoir A, et al. **Rev Electroencephalogr Neurophysiol Clin** 1980 Oct-Dec;

10(4):381–5 (Eng. Abstr.) **(Fre)**

[Study on the constancy of EEG characteristics in epileptic patients (author's transl)] Fröscher W. **EEG EMG** 1982 Mar;13(1):9–13 (Eng. Abstr.) **(Ger)**

[Petit mal epilepsy following cerebral trauma: two cases (author's transl)] Karbowski K, et al. **Nervenarzt** 1981 Dec; 52(12):718–22 **(Ger)**

DRUG THERAPY

Valproic acid in the treatment of intractable absence seizures in children: a single-blind clinical and quantitative EEG study. Erenberg G, et al. **Am J Dis Child** 1982 Jun; 136(6):526–9

Analytic study of epileptic absence seizures and effect of sodium valproate treatment. Yagi K, et al. **Monogr Neural Sci** 1981;5:137–41

Valproic acid versus ethosuximide in the treatment of absence seizures. Sato S, et al. **Neurology (NY)** 1982 Feb; 32(2):157–63

[Effect of valproate monotherapy on spike-wave activity in generalized epilepsies (author's transl)] Stefan H, et al. **Nervenarzt** 1981 Dec;52(12):707–14 **(Ger)**

[Valproic acid — clinical efficiency and serum concentration in the treatment of petit mal epilepsy in childhood (author's transl)] Fritsch G, et al. **Padiatr Padol** 1981;16(4):481–8 (Eng. Abstr.) **(Ger)**

[Predicting therapeutic success in the treatment of children with petit mal using a pattern recognition method] Iovlev BV, et al. **Zh Nevropatol Psikhiatr** 1982;82(6):77–84 **(Rus)**

ETIOLOGY

[Primary and secondary causes of petit mal epilepsy] Fiedlerová D, et al. **Sb Ved Pr Lek Fak Univ Karlovy [Suppl]** 1981;24(3):313–20 (Eng. Abstr.) **(Cze)**

[Convulsive autism? Apropos of 9 cases of primary autism associated with the Lennox-Gastaut syndrome] Boyer JP, et al. **Pediatrie** 1981 Jul-Aug;36(5):353–68 (Eng. Abstr.) **(Fre)**

FAMILIAL & GENETIC

Atypical petit mal epilepsy in twins. Shukla R, et al. **Indian J Pediatr** 1981 Mar-Apr;48(391):179–81

PHYSIOPATHOLOGY

On the prediction of epileptic seizures. Rogowski Z, et al. **Biol Cybern** 1981;42(1):9–15

Adult onset absence status: a report of six cases. Goldman JW, et al. **Clin Electroencephalogr** 1981 Oct;12(4):199–204

Prediction of spike-wave bursts in absence epilepsy by EEG power-spectrum signals. Siegel A, et al. **Epilepsia** 1982 Feb; 23(1):47–60

Behavioral and electrical correlates of absence seizures induced by thalamic stimulation in juvenile rhesus monkeys with frontal aluminum hydroxide implants: a pharmacologic evaluation. David J, et al. **J Pharmacol Methods** 1982 May;7(3):219–29

[Study of the transversal repartition of the electrical field of paroxysmal discharges in petite mal epilepsies (author's transl)] Dondey M, et al. **Rev Electroencephalogr Neurophysiol Clin** 1981 Dec; 11(3–4):481–8 (Eng. Abstr.) **(Fre)**

[Petit mal epilepsy in adulthood] Rütti W. **Schweiz Med Wochenschr** 1982 Mar 27;112(13):434–41 (Eng. Abstr.) **(Ger)**

PSYCHOLOGY

Psychometric assessment in absence status. Nightingale S, et al. **Arch Neurol** 1982 Aug;39(8):516–9

EPILEPSY, PSYCHIC EQUIVALENT see **EPILEPSY, TEMPORAL LOBE**

EPILEPSY, PSYCHOMOTOR see **EPILEPSY, TEMPORAL LOBE**

EPILEPSY, TEMPORAL LOBE

Is déjà vu a symptom of temporal lobe epilepsy? Neppe VM. **S Afr Med J** 1981 Dec 5;60(23):907–8

BLOOD

Neuroendocrine dysfunction in temporal lobe epilepsy. Herzog AG, et al. **Arch Neurol** 1982 Mar;39(3):133–5

[Changes in various carbohydrate metabolism indices in temporal lobe epilepsy patients] Rozotova LE, et al. **Zh Nevropatol Psikhiatr** 1982;82(6):36–40 **(Rus)**

CLASSIFICATION

Symptomatology of temporal lobe epilepsy. Neppe VM. **S Afr Med J** 1981 Dec 5;60(23):902–7 (39 ref.)

COMPLICATIONS

Multiple personality and related dissociative phenomena in patients with temporal lobe epilepsy. Schenk L, et al. **Am J Psychiatry** 1981 Oct;138(10):1311–6

Transient global amnesia associated with bradycardia and temporal lobe spikes. Dugan TM, et al. **Cortex** 1981 Dec; 17(4):633–7

Status epilepticus with cognitive symptomatology in a patient with partial complex epilepsy. Sacquegna T, et al. **Eur Neurol** 1981;20(4):319–25

Paroxysmal vomiting: an unusual manifestation of temporal lobe epilepsy. Shukla GD, et al. **J Assoc Physicians India** 1981 Aug;29(8):669–70

Alterations of sexual behavior in temporal lobe epilepsy. Ellison JM. **Psychosomatics** 1982 May;23(5):499–500, 505–9 (44 ref.)

[Recurring paroxysmal abdominal pains of cerebral origin] Schäffler L, et al. **Schweiz Med Wochenschr** 1981 Sep 12; 111(37):1352–60 (Eng. Abstr.) **(Ger)**

[Mental disorders as a manifestation of temporal lobe epilepsy] Escobar A, et al. **Gac Med Mex** 1981 Apr; 117(4):142–7 **(Spa)**

DIAGNOSIS

Personality correlates of sphenoidal EEG-foci in temporal lobe epilepsy. Nielsen H, et al. **Acta Neurol Scand** 1981 Oct;64(4):289–300

Complex partial seizures on closed-circuit television and EEG: a study of 691 attacks in 79 patients. Escueta AV, et al. **Ann Neurol** 1982 Mar;11(3):292–300

Innovation in electroencephalography. The use of acupuncture needles as sphenoidal electrodes. A report of observations on 648 cases. Feng YK, et al. **Clin Exp Neurol** 1981;17:39–45

The problem of subclinical localised paroxysmal rhythmic discharges (psychomotor variant discharges). Report of two cases. Maione R, et al. **Ital J Neurol Sci** 1981 Dec; 2(4):343–9

Electroencephalographic map - a new computer processing method for diagnosis in clinical and experimental neurophysiology. Poliac M, et al. **Neurol Psychiatr (Bucur)** 1981 Oct-Dec;19(4):289–302

The use of gamma-linolenic acid and linoleic acid to differentiate between temporal lobe epilepsy and schizophrenia. Vaddadi KS. **Prostaglandins Med** 1981 Apr; 6(4):375–9

[Study on the constancy of EEG characteristics in epileptic patients (author's transl)] Fröscher W. **EEG EMG** 1982 Mar;13(1):9–13 (Eng. Abstr.) **(Ger)**

[Temporal encephalitis with sensory and motor aphasia, psychotic episodes and epilepsy (author's transl)] Knölker U. **Nervenarzt** 1981 Aug;52(8):445–7 **(Ger)**

[General sensitivity disorders in temporal lobe lesions (clinical picture, pathogenesis, epilepsy syndrome significance)] Shogam II. **Zh Nevropatol Psikhiatr** 1981; 81(6):854–9 (Eng. Abstr.) **(Rus)**

[Features of the initial period of epilepsy beginning with psychic seizures] Vanchakova NP. **Zh Nevropatol Psikhiatr** 1982;82(6):14–8 **(Rus)**

[Value of electroencephalography in the differential diagnosis of temporal and hypothalamic paroxysms] Zabolotnykh VA, et al. **Zh Nevropatol Psikhiatr** 1981;81(12):1772–7 (Eng. Abstr.) **(Rus)**

DRUG THERAPY

Clonazepam and pregnancy [letter] Kriel RL, et al. **Ann Neurol** 1982 May;11(5):544

Effectiveness of acetazolamide in the treatment of carbamazepine-resistant epilepsy in children. Forsythe WI, et al. **Dev Med Child Neurol** 1981 Dec;23(6):761–9

Iatrogenic behavioral and psychiatric symptoms in children with partial complex seizures. Parraga HC, et al. **JDBP** 1982 Mar;3(1):25–8

Sodium valproate-induced hyperammonemia without clinical hepatic dysfunction. Zaret BS, et al. **Neurology (NY)** 1982 Feb;32(2):206–8

ETIOLOGY

Psychomotor status induced by temporal lobe encephalitis. Murasaki M, et al. **Folia Psychiatr Neurol Jpn** 1981; 35(2):129–38

Delayed psychosis after right temporoparietal stroke or trauma: relation to epilepsy. Levine DN, et al. **Neurology (NY)** 1982 Mar;32(3):267–73

Continuous psychomotor seizures presenting as longstanding mental illness. Graham B, et al. **South Med J** 1982 Apr; 75(4):505–6

METABOLISM

[Astrocyte activation with kainic acid in epileptogenic and non-epileptogenic brain structures and retina of the rat. Histochemical study] Gerebtzoff MA, et al. **Bull Mem Acad R Med Belg** 1981 Oct 24;136(10):497–509 (Eng. Abstr.) **(Fre)**

PATHOLOGY

Neuropathological findings following temporal lobectomy related to surface and deep EEG patterns. Lieb JP, et al. **Epilepsia** 1981 Oct;22(5):539–49

[Changes in the cerebral cortex in temporal lobe epilepsy] Iontov AS, et al. **Zh Nevropatol Psikhiatr** 1981;81(6):891–5 (Eng. Abstr.) **(Rus)**

PHYSIOPATHOLOGY

Neurons in human epileptic cortex: correlation between unit and EEG activity. Wyler AR, et al. **Ann Neurol** 1982 Mar; 11(3):301–8

Case report. The uncinate focus and dreaming. Epstein AW, et al. **Epilepsia** 1981 Oct;22(5):603–5

Minireview. Kainic acid as a tool for the study of temporal lobe epilepsy. Nadler JV. **Life Sci** 1981 Nov 16; 29(20):2031–42 (98 ref.)

Neurometric assessment in temporal epilepsy. Fernández G, et al. **Monogr Neural Sci** 1981;5:56–62

Sleep and temporal lobe epilepsy: a case study with depth electrodes. Montplaisir J, et al. **Neurology (NY)** 1981 Oct; 31(10):1352–6

Non-epileptic symptoms of temporal lobe dysfunction. Neppe VM. **S Afr Med J** 1981 Dec 26;60(26):989–91 (50 ref.)

Vascular factor and temporal epilepsy. Zohrabian SG, et al. **Zentralbl Neurochir** 1981;42(4):203–8

[Analysis of symptomatology of 305 patients with psychomotor epilepsy (author's transl)] Xu XH. **Chung Hua Shen Ching Ching Shen Ko Tsa Chih** 1979 Jun; 12(2):73–6 **(Chi)**

[Effect of electric stimulation of the amygdaloid body and hippocampus on bioelectrical activity recorded from these structures and from skull surface in epilepsy] Nowak J, et al. **Neurol Neurochir Pol** 1981 May-Jun;15(3):313–9 (Eng. Abstr.) **(Pol)**

[Clinical characteristics of temporal lobe epilepsy depending on the thyroid function] Prostakova TI, et al. **Sov Med** 1981;(7):96–9 **(Rus)**

[Electrocortico- and electrosubcorticographic correlates of temporal epilepsy seizures] Savchenko IuN, et al. **Zh Nevropatol Psikhiatr** 1981;81(6):859–65 (Eng. Abstr.) **(Rus)**

[Clinical features of temporal lobe epilepsy and the functional state of the thyroid] Shutov AA, et al. **Zh Nevropatol Psikhiatr** 1982;82(6):49–53 (Eng. Abstr.) **(Rus)**

[Emotional tone of sensations resulting from cutaneous stimulation with an electric current in patients with lesions of the mediobasal structures of the temporal lobe of the brain] Madorskiĭ SV. **Zh Vyssh Nerv Deiat** 1982 Mar-Apr; 32(2):218–23 **(Rus)**

PSYCHOLOGY

Psychomotor epilepsy and violence in a group of incarcerated adolescent boys. Lewis DO, et al. **Am J Psychiatry** 1982 Jul;139(7):882–7

Interictal behavior abnormality in temporal lobe epilepsy. A specific syndrome or nonspecific psychopathology? Mungas D. **Arch Gen Psychiatry** 1982 Jan;39(1):108–11

Psychiatric symptom patterns of chronic epileptics attending a neurological clinic: a controlled investigation. Kogeorgos J, et al. **Br J Psychiatry** 1982 Mar;140:236–43

Interictal personality and behavioral traits in temporal lobe and generalized epilepsy. Hermann BP, et al. **Cortex** 1981 Apr;17(1):125–8

Temporal lobe epilepsy and schizophrenia: comparison of reaction time deficits. Greiffenstein M, et al. **J Abnorm Psychol** 1981 Apr;90(2):105–12

The lateralising significance of hypergraphia in temporal lobe epilepsy. Roberts JK, et al. **J Neurol Neurosurg Psychiatry** 1982 Feb;45(2):131–8

Interictal psychopathology in patients with ictal fear: a quantitative investigation. Hermann BP, et al. **Neurology (NY)** 1982 Jan;32(1):7–11

Temporal lobe epilepsy and violence [letter] Pincus JH. **Neurology (NY)** 1982 May;32(5):574–5

[Psychopathology of epilepsy according to the WHO-classification (author's transl)] Hebenstreit G. **Psychiatr Prax** 1982 Mar;9(2):56–8 (Eng. Abstr.) **(Ger)**

SURGERY

CT measurements of mesial temporal lobe herniation in epileptics. Bolender NF, et al. **Epilepsia** 1982 Aug; 23(4):409–16

Surface and deep EEG correlates of surgical outcome in temporal lobe epilepsy. Lieb JP, et al. **Epilepsia** 1981 Oct; 22(5):515–38

Changes in intelligence following temporal lobectomy: relationship to EEG activity, seizure relief, and pathology. Lieb JP, et al. **Epilepsia** 1982 Feb;23(1):1–13

Psychological status related to surgical control of temporal lobe seizures. Rausch R, et al. **Epilepsia** 1982 Apr; 23(2):191–202

Temporal lobectomy for epilepsy: mesial temporal herniation as an operative and prognostic finding. Turner DA, et al. **Epilepsia** 1981 Dec;22(6):623–9

Late results of operation in temporal lobe epilepsy in adults and children. Stępień L, et al. **Neurosurg Rev** 1981;4(2):61–9

[Indications and long-term results of stereotactic operations in therapy-resistant epilepsy (author's transl)] Mundinger F, et al. **Arch Psychiatr Nervenkr** 1981;231(1):1–11 (Eng. Abstr.) **(Ger)**

[Memory deficits after temporal lobe resections in epileptics (author's transl)] Birri R, et al. **Nervenarzt** 1982 Mar; 53(3):144–9 **(Ger)**

['Selective amygdalo-hippocampectomy' as a surgical treatment of mesiobasal limbic epilepsy (author's transl)] Wieser HG, et al. **Neurochirurgia (Stuttg)** 1982 Mar; 25(2):39–50 (Eng. Abstr.) **(Ger)**

[Temporal lobe epilepsy during the growth stage treated by amygdalotomy and hippocampotomy] Mempel E, et al.

Neurol Neurochir Pol 1981 Sep-Dec;15(5-6):611-5 (Eng. Abstr.) (Pol)

[Nonverbal visual memory after unilateral temporal lobe resection] Mroziak J. Neurol Neurochir Pol 1981 Jul-Aug; 15(4):475-80 (Eng. Abstr.) (Pol)

EPILEPSY, TRAUMATIC

COMPLICATIONS

Organic versus functional etiology in catatonia: case report. Gomez EA, et al. J Clin Psychiatry 1982 May;43(5):200-1

DIAGNOSIS

The difference between children and adults in the onset of post-traumatic epilepsy. Manaka S, et al. Folia Psychiatr Neurol Jpn 1981;35(3):301-4

[Petit mal epilepsy following cerebral trauma: two cases (author's transl)] Karbowski K, et al. Nervenarzt 1981 Dec; 52(12):718-22 (Ger)

[Significance of the seizure syndrome in acute craniocerebral injuries] Karakhan VB. Zh Vopr Neirokhir 1981 Nov-Dec; (6):45-51 (Eng. Abstr.) (Rus)

ETIOLOGY

[The post-traumatic epilepsy (author's transl)] Karbowski K. Praxis 1981 Sep 1;70(36):1546-52 (39 ref.) (Eng. Abstr.) (Ger)

[Pre- and perinatal brain damage and epilepsy (author's transl)] Vassella F. Praxis 1981 Sep 1;70(36):1540-5 (Eng. Abstr.) (Ger)

[Epileptic and hysterical seizures after cranio-cerebral trauma] Nedvizhenko AA. Klin Med (Mosk) 1981 Sep; 59(9):88-9 (Rus)

PREVENTION & CONTROL

Phenobarbital prophylaxis of post traumatic epilepsy. Murri L, et al. Ital J Neurol Sci 1980 Oct;1(4):225-30

[Prognosis and prevention of traumatic epilepsy (author's transl)] Janz D. Nervenarzt 1982 May;53(5):238-45 (Ger)

RADIOGRAPHY

[Pneumoencephalography in the diagnosis and complex treatment of traumatic epilepsy] Leksin EN. Zh Nevropatol Psikhiatr 1981;81(6):873-7 (Eng. Abstr.) (Rus)

[2 cases of cerebral injury with sequelae of convulsive episodes studied by C.A.T.] López-Ibor Aliño L. Actas Luso Esp Neurol Psiquiatr 1981 Sep-Oct; 9(5):393-402 (Spa)

EPILEPSY, UNCINATE see **EPILEPSY, TEMPORAL LOBE**

EPIMERASES see under **ISOMERASES**

EPIMESTROL see under **ESTRENES**

EPINEPHRINE

Blood concentration of lidocaine after spinal anaesthesia using lidocaine and lidocaine with adrenaline. Axelsson K, et al. Acta Anaesthesiol Scand 1981 Jun;25(3):240-5

Extradural pethidine with and without adrenaline during labour: wide variation in effect. Skjöldebrand A, et al. Br J Anaesth 1982 Apr;54(4):415-20

Epinephrine reduction of heme: implication for understanding the transmission of an agonist stimulus. Peterson DA, et al. Science 1982 Jan 1;215(4528):71-3

[Stability and stabilization of epinephrine eye drops. 13. Stability of drugs and preparations; 82. Problems of filling plastic drug containers with fluid drugs] Raether G, et al. Pharmazie 1982 May;37(5):382-3 (Ger)

[Clinical studies on nitrous oxide-enflurane-oxygen anesthesia: compatibility with local epinephrine and temporal arterial blood concentration of enflurane (author's transl)] Nishioka K, et al. Masui 1982 Jan;31(1):45-9 (Eng. Abstr.) (Jpn)

[Effect of adrenaline on protein and RNA biosynthesis in different organs of white rats] Paskevich IF, et al. Vopr Med Khim 1981;27(4):471-5 (Eng. Abstr.) (Rus)

ADMINISTRATION & DOSAGE

Endotracheal administration of epinephrine during cardiopulmonary resuscitation [letter] Lindemann R. Am J Dis Child 1982 Aug;136(8):753-4

A controlled trial of the use of single versus combined-drug therapy in the treatment of acute episodes of asthma. Josephson GW. Am Rev Respir Dis 1981 Dec;124(6):765

Subcutaneous epinephrine for acute asthma [letter] Burton RM. Ann Emerg Med 1982 Jun;11(6):335-6

Bronchodilatory effect of subcutaneous epinephrine in acute asthma. Gotz VP, et al. Ann Emerg Med 1981 Oct; 10(10):518-20

Cardiovascular effects of epinephrine and dipivalyl epinephrine applied topically to the eye in patients with glaucoma. Kerr CR, et al. Br J Ophthalmol 1982 Feb; 66(2):109-14

A painless donor-site dressing. Hyland WT. Plast Reconstr Surg 1982 Apr;69(4):703-4

[Preparation of eye drops with zinc sulphate and adrenaline (author's transl)] Springer V, et al. Pharmazie 1981 Oct; 36(10):706-8 (Eng. Abstr.) (Ger)

[Ocular effects of epinephrine and timolol in normal volunteers (author's transl)] Fujino Y, et al. Nippon Ganka Gakkai Zasshi 1981 Dec 10;85(12):2076-81 (Eng. Abstr.) (Jpn)

[Effects of intra-arterial infusion of vasoreactants of renal blood flow: measurement of RBF with local thermodilution method and application for pharmacoangiography (author's transl)] Aoshima S. Nippon Hinyokika Gakkai Zasshi 1982 Mar;73(3):274-86 (Eng. Abstr.) (Jpn)

ADVERSE EFFECTS

Corneal edema and the intraocular use of epinephrine. Edelhauser HF, et al. Am J Ophthalmol 1982 Mar; 93(3):327-33

[Cicatricial pemphigoid following long-term instillation of adrenaline] Vadot E, et al. Bull Soc Ophtalmol Fr 1981 Aug-Sep;81(8-9):693-5 (Fre)

[Effect of epinephrine-containing retraction cords on pulse and blood pressure: a clinical study] Boitel AE, et al. SSO Schweiz Monatsschr Zahnheilkd 1981 Nov; 91(11):921-31 (Eng. Abstr.) (Ger)

ANALOGS & DERIVATIVES

Dipivefrin and echothiophate. Efficacy of combined use in human beings. Mindel JS, et al. Arch Ophthalmol 1981 Sep; 99(9):1583-6

The effect of echothiophate on the biphasic response of rabbit ocular pressure to dipivefrin. Mindel JS, et al. Arch Ophthalmol 1982 Jan;100(1):147-51

A study of the intraocular pressure lowering effect of timolol and dipivalyl epinephrine. Frumar KD, et al. Aust J Ophthalmol 1982 May;10(2):121-3

Cardiovascular effects of epinephrine and dipivalyl epinephrine applied topically to the eye in patients with glaucoma. Kerr CR, et al. Br J Ophthalmol 1982 Feb; 66(2):109-14

Quantitation of urinary normetanephrine and metanephrine by reversed-phase extraction and mass-fragmentographic analysis. Canfell C, et al. Clin Chem 1982 Jan;28(1):25-8

Simplified fluorometry of total metanephrines in urine. Christenson RH, et al. Clin Chem 1982 May;28(5):1204-7

Elimination of interference by acebutolol and its metabolites in determinations of urinary metanephrines [letter] Jauzac P, et al. Clin Chem 1982 May;28(5):1243-4

A simple method for the assay of urinary metanephrines using high performance liquid chromatography with fluorescence detection. Jackman GP. Clin Chim Acta 1982 Mar 26; 120(1):137-42

Evidence that alpha-methylepinephrine is an antihypertensive metabolite of alpha-methyldopa. Goldberg MR, et al. Clin Exp Hypertens [A] 1982; 4(4-5):595-604

High-performance liquid chromatographic method for the determination of plasma and urine metapramine after dansylation. Sommadossi JP, et al. J Chromatogr 1982 Mar 12;228:205-13

Acidic epinephrine analogues derived from 1H, 3H-2,1,3-benzothiadiazole 2,2-dioxide and from trifluoromethanesulfonanilide. A new synthesis of 1H,3H-2,1,3-benzothiadiazole 2,2-dioxide. Acheson RM, et al. J Med Chem 1981 Nov;24(11):1300-4

(alpha S)-erythro-alpha-methylepinephrine: preparation and stereoselective binding to adrenergic receptors in rat forebrain. Taylor CA Jr, et al. J Med Chem 1981 Oct; 24(10):1261-3

[Long-term topical use of D.P.E. solutions in open-angle glaucoma (author's transl)] Azuma I, et al. Nippon Ganka Gakkai Zasshi 1981 Aug 10;85(8):1157-64 (Eng. Abstr.) (Jpn)

[Effects of 3-0-methylated metabolites of adrenaline and noradrenaline on blood pressure of anesthetized rats (author's transl)] Boada J, et al. Arch Farmacol Toxicol 1981 Aug;7(2):231-8 (Eng. Abstr.) (Spa)

ANALYSIS

Catecholamine content of chromaffin granule 'ghosts' isolated from bovine adrenal glands. Deupree JD, et al. Biochim Biophys Acta 1982 Feb 25;714(3):471-8

Relationship between plasma corticosterone and adrenal epinephrine after diazepam treatment in rats. Chabot G, et al. Can J Physiol Pharmacol 1982 May;60(5):589-96

Catecholamines and 5-hydroxytryptamine in photophores of Porichthys notatus. Radioenzymatic detection and radioautographic localization. Anctil M, et al. Cell Tissue Res 1981;219(3):557-66

Enkephalin-like immunoreactivity is restricted to the adrenaline cells in the hamster adrenal medulla. Pelto-Huikko M, et al. Histochemistry 1982;73(4):493-7

Determination of catecholamines in rat heart tissue and plasma samples by liquid chromatography with electrochemical detection. Eriksson BM, et al. J Chromatogr 1982 Mar 12;228:143-54

Stability-indicating high-performance liquid chromatographic analysis of lidocaine hydrochloride and lidocaine hydrochloride with epinephrine injectable solutions. Waraszkiewicz SM, et al. J Pharm Sci 1981 Nov; 70(11):1215-8

The presence of abundant adrenaline in the dorsal part of the bullfrog spinal cords. Kojima H, et al. Kurume Med J 1980;27(4):299-302

[Effects of tetragastrin on catecholamines in gastric juice and gastric tissues in rats (author's transl)] Baba M, et al. Nippon Shokakibyo Gakkai Zasshi 1981 Jun;78(6):1191-7 (Eng. Abstr.) (Jpn)

[Noradrenaline and adrenaline content in the myocardium and heart conduction system in humans and animals after trauma] Andreev SV, et al. Kardiologiia 1981 Oct; 21(10):110-2 (Rus)

[Determination of the adrenaline concentration in human saliva] Semenkova GN, et al. Lab Delo 1982;(1):15-7 (Eng. Abstr.) (Rus)

[Catecholamine dynamics of hypertensive patients undergoing surgical treatment of stomach and rectal cancer] Frid IA, et al. Vestn Khir 1982 Jan;128(1):120-4 (Rus)

ANTAGONISTS & INHIBITORS

Antiarrhythmic and hemodynamic responses to adenosine triphosphate during infusion of epinephrine in dogs anesthetized with halothane. Sohn YZ, et al. Anesth Analg (Cleve) 1982 May;61(5):423-9

Dose response of oral timolol combined with adrenaline. Ohrström A. Br J Ophthalmol 1982 Apr;66(4):242-6

Inhibition of adrenaline-induced platelet aggregation by the alpha-adrenoceptor blocking drug benextramine. Belleau B, et al. Br J Pharmacol 1982 Jun;76(2):253-7

Effect of adrenaline synthesis inhibition on brain noradrenaline neurons in locus coeruleus. Engberg G, et al. Brain Res 1981 Oct 26;223(1):49-58

Kinin-inactivating enzyme from the mushroom Tricholoma conglobatum. VII. Suppression of epinephrine-induced pulmonary edema in rats. Kizuki K, et al. Chem Pharm Bull (Tokyo) 1981 Oct;29(10):3037-41

Modification of adrenaline mydriasis by agents acting on sulphydryl groups. Tongia SK, et al. Indian J Physiol Pharmacol 1982 Jan-Mar;26(1):94-6

Inhibition of adrenaline-induced compensatory vagal discharge in the rat as an in vivo tool for predicting the mechanism of action of antispasmodics. Maggi CA, et al. J Pharmacol Methods 1981 Jun;5(4):347-52

Adverse effects of tricyclic antidepressants during nasal surgery. Schechter GL, et al. Otolaryngol Head Neck Surg 1982 Mar-Apr;90(2):233-6

The effect of carazolol on the cardiovascular responses to adrenaline in stress sensitive pigs. Gregory NG, et al. Vet Res Commun 1982 May;5(3):277-83

[Effect of lithium preparations on the toxic effects of adrenaline] Sobieva ZI, et al. Biull Eksp Biol Med 1981 Jun;91(6):694-6 (Eng. Abstr.) (Rus)

[Effect of potassium orotate and the sodium salt of uridine monophosphate on the development of experimental adrenaline myocardial dystrophy] Kuznetsova LV, et al. Farmakol Toksikol 1981 Mar-Apr;44(2):170-3 (Eng. Abstr.) (Rus)

[Protective effect of unsaturated fatty acids in adrenaline-induced pulmonary edema and hypobaric hypoxia (biological significance of catecholamine hyperlipidemia)] Kogan AKh, et al. Patol Fiziol Eksp Ter 1982 Jan-Feb;(1):50-6 (Eng. Abstr.) (Rus)

[Ethanol suppression of the cardionecrotic action of adrenaline] Zabirova IG, et al. Patol Fiziol Eksp Ter 1982 Mar-Apr;(2):25-8 (Eng. Abstr.) (Rus)

BIOSYNTHESIS

Neural and extraneural catecholamine production by rat kidneys. Stephenson RK, et al. Am J Physiol 1982 Mar; 242(3):F261-6

Ultrastructural radioautography of synthesis and migration of proteins and catecholamines in the rat adrenal medulla. Benchimol S, et al. Cell Tissue Res 1982 Jul;225(2):293-314

Adrenaline synthesizing nerve cells in the medulla of normotensive and hypertensive rats. Chalmers JP, et al. Clin Exp Pharmacol Physiol 1981 Sep-Oct;8(5):459-62

The extra-adrenal synthesis of epinephrine in rats. Possible involvement of dopamine sulfate. Buu NT, et al. J Lab Clin Med 1981 Oct;98(4):527-35

BLOOD

Effect of cold stress on catecholamines, cyclic AMP and cyclic GMP in hardened and unhardened men. Přikryl P, et al. Act Nerv Super (Praha) 1982 Mar;24(1):32-3

Insulin hypoglycaemia in normal and adrenalectomized subjects: comparison of metabolic parameters and endocrine counter regulation. Altorfer RM, et al. Acta Endocrinol (Copenh) 1981 Nov;98(3):413-9

The relation between catecholamines, glucagon and pancreatic polypeptide during hypoglycaemia in man. Järhult J, et al. Acta Endocrinol (Copenh) 1981 Nov; 98(3):402-6

Plasma noradrenaline and adrenaline in pre-eclampsia, essential hypertension in pregnancy and normotensive pregnant control subjects. Pedersen EB, et al. Acta Endocrinol (Copenh) 1982 Apr;99(4):594-600

Ligation of the adrenal vessels--an incomplete technique to eliminate the plasma adrenaline content in the dog. Haglund U, et al. Acta Physiol Scand 1981;113(3):407-9

Response of plasma norepinephrine and epinephrine to dynamic exercise in patients with congestive heart failure.

Francis GS, et al. **Am J Cardiol** 1982 Apr 1;49(5):1152–6

Activity of the sympathetic nervous system and renin-angiotensin system assessed by plasma hormone levels and their relation to hemodynamic abnormalities in congestive heart failure. Levine TB, et al. **Am J Cardiol** 1982 May;49(7):1659–66

Angiotensin-converting enzyme inhibition, catecholamines and hemodynamics in essential hypertension. Muiesan G, et al. **Am J Cardiol** 1982 Apr 21;49(6):1420–4

Fetal and maternal plasma catecholamine levels at elective cesarean section under general or epidural anesthesia versus vaginal delivery. Irestedt L, et al. **Am J Obstet Gynecol** 1982 Apr 15;142(8):1004–10

Hormonal changes and enforced diving in the harbor seal Phoca vitulina. II. Plasma catecholamines. Hance AJ, et al. **Am J Physiol** 1982 May;242(5):R528–32

Rapid fluctuations in plasma catecholamines in monkeys under undisturbed conditions. Hansen BC, et al. **Am J Physiol** 1982 Jan;242(1):E40–6

Catecholamine release and blood pressure changes induced by exercise in dogfish. Opdyke DF, et al. **Am J Physiol** 1982 Mar;242(3):R306–10

Endurance training attenuates stress hormone responses to exercise in fasted rats. Winder WW, et al. **Am J Physiol** 1982 Jul;243(1):R179–84

Assay of plasma catecholamines by liquid chromatography with electrochemical detection. Causon RC, et al. **Anal Biochem** 1981 Sep 1;116(1):223–6

Plasma epinephrine and norepinephrine levels during anesthesia: enflurane–N2O–O2 compared with fentanyl–N2O–O2. Brown FF 3d, et al. **Anesth Analg (Cleve)** 1982 Apr;61(4):366–70

Change in plasma cAMP and catecholamines in men subjected to the same relative amount of physical work stress. Painter PC, et al. **Aviat Space Environ Med** 1982 Jul;53(7):683–6

Aged rats: diminished sympathetic–adrenal medullary responses to acute stress. McCarty R. **Behav Neural Biol** 1981 Oct;33(2):204–12

Plasma catecholamine responses to hypoxemia in fetal lambs. Lewis AB, et al. **Biol Neonate** 1982;41(3–4):115–22

Changes in plasma catecholamine concentrations during endotracheal intubation. Russell WJ, et al. **Br J Anaesth** 1981 Aug;53(8):837–9

Blunted sympathoadrenal response to exercise in asthmatic subjects. Warren JB, et al. **Br J Dis Chest** 1982 Apr; 76(2):147–50

Circumstances influencing umbilical-cord plasma catecholamines at delivery. Falconer AD, et al. **Br J Obstet Gynaecol** 1982 Jan;89(1):44–9

Effect of stress on myocardial cells and blood levels of catecholamines in normal and amygdalectomized pigs. Johansson G, et al. **Can J Comp Med** 1982 Apr;46(2):176–82

Plasma catecholamines in Friedreich's ataxia assayed using high performance liquid chromatography with electrochemical detection. Merkel AD, et al. **Can J Neurol Sci** 1982 May;9(2):205–8

Increased plasma catecholamines in patients with Friedreich's ataxia. Pasternac A, et al. **Can J Neurol Sci** 1982 May; 9(2):195–203

Immunoreactive somatostatin in catecholamine-producing extra-adrenal paraganglioma. Saito H, et al. **Cancer** 1982 Aug 1;50(3):560–5

2,4-Dinitrophenol--mechanism of action. El-Guindy MM, et al. **Cell Mol Biol** 1981;27(5):399–402

Plasma adrenaline and noradrenaline in patients with acute myocardial infarction. Relationship to ventricular arrhythmias of varying severity. Bertel O, et al. **Chest** 1982 Jul;82(1):64–8

The role of catecholamines in metabolic acidosis. Schade DS. **Ciba Found Symp** 1982;87:235–53

Neuronal and adrenomedullary catecholamine release in response to cardiopulmonary bypass in man. Reves JG, et al. **Circulation** 1982 Jul;66(1):49–55

Neuroleptanalgesia in acute myocardial infarction: effects of hemodynamic parameters and plasma catecholamines. Magometschnigg D, et al. **Clin Cardiol** 1981 Sep–Oct; 4(5):238–42

Automated analysis for plasma epinephrine and norepinephrine by liquid chromatography, including a sample cleanup procedure. Yamatodani A, et al. **Clin Chem** 1981 Dec;27(12):1983–7

Plasma histamine and catecholamines in stable asthmatic subjects. Barnes PJ, et al. **Clin Sci** 1982 Jun;62(6):661–5

Novel double-isotope technique for enzymatic assay of catecholamines, permitting high precision, sensitivity and plasma sample capacity. Brown MJ, et al. **Clin Sci** 1981 Nov;61(5):591–8

Elevated plasma adrenaline reflects sympathetic overactivity and enhanced alpha-adrenoceptor-mediated vasoconstriction in essential hypertension. Bolli P, et al. **Clin Sci [Suppl]** 1981 Dec;61(7):161s–164s

Plasma concentrations of catecholamines in two strains of spontaneously hypertensive rats at different ages. Ferrari P, et al. **Clin Sci [Suppl]** 1981 Dec;61(7):199s–202s

Increased peripheral release of noradrenaline and uptake of adrenaline in essential hypertension? Kjeldsen SE, et al. **Clin Sci [Suppl]** 1981 Dec;61(7):215s–217s

Role of the sympathetic nervous system in spontaneous hypertension: changes in central adrenoceptors and plasma catecholamine levels. Palermo A, et al. **Clin Sci [Suppl]** 1981 Dec;61(7):195s–198s

Effects of anaesthesia and surgery on levels of adrenaline and noradrenaline in blood plasma of the eel (Anguilla anguilla L.). Le Bras YM. **Comp Biochem Physiol [C]** 1982; 72(1):141–4

Insulin absorption from the abdomen and the thigh in healthy subjects during rest and exercise: blood glucose, plasma insulin, growth hormone, adrenaline and noradrenaline levels. Süsstrunk H, et al. **Diabetologia** 1982 Mar; 22(3):171–4

Alterations in plasma dopamine-beta-hydroxylase and catecholamine concentrations during surgical removal of pheochromocytoma. Wocial B, et al. **Endokrinologie** 1982 Feb;79(1):131–9

Unconjugated hyperepinephrinemia: a hallmark of hypertension imitating pheochromocytoma? Kuchel O, et al. **Hypertension** 1981 Nov–Dec;3(6 Pt 2):II–129–33

Plasma adrenaline & tissue monoamine oxidase of scorbutic guinea pigs. Bandyopadhyay S, et al. **Indian J Exp Biol** 1981 Nov;19(11):1091–2

Plasma catecholamines and autonomic responsiveness in obesity. Jung RT, et al. **Int J Obes** 1982;6(2):131–41

Plasma catecholamines in trained and untrained volunteers during graduated exercise. Lehmann M, et al. **Int J Sports Med** 1981 Aug;2(3):143–7

Epinephrine and local anesthetics [letter]. Birnbaum J. **J Am Dent Assoc** 1982 Jul;105(1):8, 10

Arterial plasma epinephrine concentrations and hemodynamic responses after dental injection of local anesthetic with epinephrine. Tolas AG, et al. **J Am Dent Assoc** 1982 Jan;104(1):41–3

Elevated adrenaline and increased alpha-adrenoceptor-mediated vasoconstriction in essential hypertension. Bühler FR, et al. **J Cardiovasc Pharmacol** 1982;4 Suppl 1:S134–8

The effects of age on the plasma catecholamine response to mental stress in man. Barnes RF, et al. **J Clin Endocrinol Metab** 1982 Jan;54(1):64–9

Release and clearance rates of epinephrine in man: importance of arterial measurements. Best JD, et al. **J Clin Endocrinol Metab** 1982 Aug;55(2):263–8

Circulating catecholamine and glucagon responses to insulin-induced blood glucose decrement in a patient with pheochromocytoma. Bolli G, et al. **J Clin Endocrinol Metab** 1982 Feb;54(2):447–9

Failure of bromocriptine to lower plasma catecholamines in normal men and women. Bybee DE, et al. **J Clin Endocrinol Metab** 1982 Mar;54(3):648–50

Influence of sex and obesity on plasma catecholamine response to isometric exercise. Gustafson AB, et al. **J Clin Endocrinol Metab** 1982 Oct;55(4):703–8

Plasma epinephrine disturbances in diabetic subjects during standing and after isometric exercise. Gustafson AB, et al. **J Clin Endocrinol Metab** 1981 Oct;53(4):759–63

Selective counterregulatory hormone responses after oral glucose in man. Kleinbaum J, et al. **J Clin Endocrinol Metab** 1982 Oct;55(4):787–90

Metabolic effects of prostaglandin E2 infusion in man: possible adrenergic mediation. Newman WP, et al. **J Clin Endocrinol Metab** 1982 Sep;55(3):496–501

Role of epinephrine-mediated beta-adrenergic mechanisms in hypoglycemic glucose counterregulation and posthypoglycemic hyperglycemia in insulin-dependent diabetes mellitus. Popp DA, et al. **J Clin Invest** 1982 Feb; 69(2):315–26

Plasma adrenaline and noradrenaline concentrations of the spontaneously hypertensive rat. Pak CH. **Jpn Heart J** 1981 Nov;22(6):987–95

Plasma catecholamines in hepatic coma and liver cirrhosis: role of octopamine. Hörtnagl H, et al. **Klin Wochenschr** 1981 Oct 15;59(20):1159–64

Catecholamines, renin, aldosterone, and blood volume during chronic minoxidil therapy. Meier A, et al. **Klin Wochenschr** 1981 Nov 16;59(22):1231–6

Hypertension in hyperthyroidism: is there an epinephrine connection? Kuchel O, et al. **Life Sci** 1982 Feb 15–22; 30(7–8):603–9

Sensitization to the hyperthermic and catecholamine-releasing effects of morphine. Mansfield JG, et al. **Life Sci** 1981 Oct 19;29(16):1697–704

Cimetidine alters plasma catecholamine levels and cortisol and aldosterone excretion [letter] Feely J, et al. **N Engl J Med** 1982 Apr 29;306(17):1054

Increased platelet catecholamine content in pheochromocytoma: a diagnostic test in patients with elevated plasma catecholamines. Zweifler AJ, et al. **N Engl J Med** 1982 Apr 15;306(15):890–4

Plasma norepinephrine, epinephrine and dopamine responses to intracerebral administration of a met-enkephalin analog, D-ala2-met-enkephalinamide, in rats. Van Loon GR, et al. **Neuroendocrinology** 1981 Sep;33(3):153–7

Neonatal adaptation: sympatho-adrenal response to umbilical cord cutting. Padbury JF, et al. **Pediatr Res** 1981 Dec; 15(12):1483–7

Plasma catecholamines in salt-sensitive hypertensive (Dahl) rats. McCarty R, et al. **Physiol Behav** 1982 Jun;28(6):1083–8

Increased plasma epinephrine concentration due to its decreased conjugation in beta-hyperadrenergic essential hypertension. Kuchel O, et al. **Trans Assoc Am Physicians** 1981;94:236–42

[Changes in adrenaline and noradrenaline plasma levels in essential hypertension in relation to emotional and physical stress] Přikryl P, et al. **Vnitr Lek** 1982 Jan;28(1):1–9 (Eng. Abstr.) **(Cze)**

[Effect of muscular exercise and metabolic control on cortisol, growth hormone, plasma-epinephrine and plasma-norepinephrine in type-I diabetics [author's transl)] Mühlhauser I, et al. **Acta Med Austriaca** 1981;8(2):48–53 (Eng. Abstr.) **(Ger)**

[The influence of graduated treadmill exercise on plasma catecholamines, aerobic and anaerobic capacity in boys and adults] Lehmann M, et al. **Eur J Applied Physiol** 1981; 47(3):301–11 (Eng. Abstr.) **(Ger)**

[Plasma catecholamines and hemodynamics in patients with heart failure (author's transl)] Lehmann M, et al. **Herz** 1982 Jun;7(3):188–97 (Eng. Abstr.) **(Ger)**

[Plasma catecholamines, metabolic substrates, aerobic and anaerobic capacity during exercise in supine and sitting position (author's transl)] Lehmann M, et al. **Klin Wochenschr** 1981 Nov 16;59(22):1237–42 (Eng. Abstr.) **(Ger)**

[Plasma concentrations of adrenaline and noradrenaline during cardiopulmonary bypass in children (author's transl)] Yamashita M, et al. **Masui** 1981 Dec;30(12):1364–7 (Eng. Abstr.) **(Jpn)**

[Response of plasma catecholamine and PRA to i.v. injection of glucagon in upright posture after furosemide injection in essential hypertension (author's transl)] Uda M. **Nippon Naibunpi Gakkai Zasshi** 1981 Jul 20;57(7):1009–26 (Eng. Abstr.) **(Jpn)**

[Effect of electroacupuncture analgesia on various biochemical changes in children in postoperative and post-traumatic periods] Musin NO. et al. **Pediatriia** 1981; (8):52–3 (Eng. Abstr.) **(Rus)**

[Topical diagnosis of chromaffin tumors based on the catecholamine content of selected plasma specimens] Iurginov OG, et al. **Probl Endokrinol (Mosk)** 1982 May–Jun;28(3):24–9 (Eng. Abstr.) **(Rus)**

[Clinical manifestations and treatment of interoreceptive-psychogenic coitus dysfunction] Iunda IF, et al. **Vrach Delo** 1981 Nov;(11):52–5 (Eng. Abstr.) **(Rus)**

[Comparison of the effects of prazosin and phenoxybenzamine on arterial pressure, heart rate and plasma catecolamines in essential arterial hypertension] Mulvihill-Wilson J, et al. **Cardiology** 1980;66 Suppl 2:85–93 **(Spa)**

DEFICIENCY

Epinephrine deficiency in hypocorticotropic hypopituitary children. Rudman D, et al. **J Clin Endocrinol Metab** 1981 Oct;53(4):722–9

DIAGNOSTIC USE

State of metabolic control determines role of epinephrine–glucagon interaction in glucoregulation in diabetes. Kemmer FW, et al. **Am J Physiol** 1982 Jun; 242(6):E428–36

Transient triiodothyronine deficiency. Absence of effect on basal or adrenaline-stimulated carbohydrate and lipid metabolism in man. Pernet A, et al. **Diabete Metab** 1982 Mar;8(1):41–6

Intra-arterial dye method with vasomotors (PIAD method) applied for the endoscopic diagnosis of gastric cancer and the side effects of indigo carmine. Ikeda K, et al. **Endoscopy** 1982 Jul;14(4):119–23

Effect of protein-supplemented fasting on metabolic and hormonal responses to epinephrine infusion in obese subjects. Scheen A, et al. **Horm Metab Res** 1982 May; 14(5):240–5

Plasma guanosine 3',5'-monophosphate responses to methacholine and epinephrine in humans. Okada F, et al. **J Clin Endocrinol Metab** 1982 Mar;54(3):645–7

Epinephrine as a tool to investigate the question of recycling of sympathetic storage vesicles in the heart: chemical and morphological studies. Wakade AR, et al. **J Pharmacol Exp Ther** 1982 Jun;221(3):820–7

Predicting splenic abnormality in Hodgkin disease using volume response to epinephrine administration. Rosen PR, et al. **Radiology** 1982 Jun;143(3):627–9

[Effects of a hypocaloric protein diet on changes in arterial pressure produced by adrenaline infusion] Scheen A, et al. **C R Soc Biol (Paris)** 1982;176(1):104–8 (Eng. Abstr.) **(Fre)**

[Adrenaline test: its practical application] Kruszewski J, et al. **Wiad Lek** 1981 Oct–Dec;34(20–24):1669–73 (Eng. Abstr.) **(Pol)**

[Reasons for altered leukocyte adrenoreactivity in bronchial asthma] Zhikharev SS, et al. **Ter Arkh** 1982;54(4):68–72 (Eng. Abstr.) **(Rus)**

METABOLISM

No effect of tetrodotoxin on catecholamine release from the perfused cat adrenal gland. Blaschke E, et al. **Acta Physiol Scand** 1981 Oct;113(2):267–9

Enzymes for epinephrine synthesis and metabolism in the myometrium, endometrium, red blood cells, and plasma of pregnant human subjects. Hobel CJ, et al. **Am J Obstet Gynecol** 1981 Dec 15;141(8):1009–18

Renal handling of dopa, dopamine, norepinephrine, and epinephrine in the dog. Ball SG, et al. **Am J Physiol** 1982 Jan;242(1):F56–62

Cardiac uptake and secretion of catecholamines during adrenergic stimulation in vivo. Halter JB, et al.

Am J Physiol 1982 Jul;243(1):E52–8

Sympathetic activity in thyroid-treated Zucker rats. Levin BE, et al. **Am J Physiol** 1982 Jul;243(1):R170–8

Pharmacology of brain epinephrine neurons. Fuller RW. **Annu Rev Pharmacol Toxicol** 1982;22:31–55 (135 ref.)

Uptake and displacement of [3H]dihydroalprenolol, [3H]epinephrine and [3H]clonidine in isolated perfused rabbit lung. Altiere RJ, et al. **Biochem Pharmacol** 1982 Mar 15;31(6):1039–47

Antagonism by L-dopa of the elevation of hypothalamic epinephrine by monoamine oxidase inhibition in rats. Fuller RW, et al. **Biochem Pharmacol** 1981 Nov 1;30(21):3023–4

Involvement of endogenous epinephrine in histamine-induced hyperinsulinemia and hypoglycemia in rats treated with islet-activating protein. Yajima M, et al. **Biochem Pharmacol** 1981 Dec 15;30(24):3306–9

Alpha-adrenoreceptor-related dissociation constants and intrinsic efficacies of stereoisomers of epinephrine. Kim MY, et al. **Blood Vessels** 1981;18(4–5):145–52

Photooxidation of epinephrine sensitized by methylene blue as an assay for the evaluation of alpha-mercaptopropionylglycine as a free radical scavenger. Ortolani O, et al. **Boll Soc Ital Biol Sper** 1982 Apr 30;58(8):444–9

Central and peripheral contributions to hypothalamic epinephrine. Mefford IN, et al. **Brain Res** 1981 Nov 9; 224(1):175–9

Epinephrine, norepinephrine, dopamine and serotonin: differential effects of acute and chronic stress on regional brain amines. Roth KA, et al. **Brain Res** 1982 May 13; 239(2):417–24

Altered concentration of catecholamines in the hypothalamus of the rat after renal denervation. Calaresu FR, et al. **Can J Physiol Pharmacol** 1981 Dec;59(12):1274–7

Ketamine potentiates catecholamine responses of vascular smooth muscle by inhibition of extraneuronal uptake. Lundy PM, et al. **Can J Physiol Pharmacol** 1981 Jun; 59(6):520–7

Noradrenaline and adrenaline concentrations in various vascular beds in patients with cirrhosis. Relation to haemodynamics. Henriksen JH, et al. **Clin Physiol** 1981 Jun;1(3):293–304

Adrenaline neurons and PNMT activity in the brain and spinal cord of genetically hypertensive rats and rats with DOCA—salt hypertension. Chalmers JP, et al. **Clin Sci [Suppl]** 1981 Dec;61(7):219s–221s

Comparative aspects of cardiac adrenoceptors: characterization of the beta 2-adrenoceptor as a common 'adrenaline'-receptor in vertebrate hearts. Stene-Larsen G. **Comp Biochem Physiol [C]** 1981;70(1):1–12 (94 ref.)

Selective reduction of adrenaline turnover in the dorsal midline area of the caudal medulla oblongata and increase of hypothalamic adrenaline levels in the Lyon strain of genetically hypertensive rats. Fuxe K, et al. **Eur J Pharmacol** 1982 Jan 22;77(2–3):187–91

Discrepancy in the regulatory effects of sodium and guanine nucleotides on adrenaline and clonidine binding to alpha 2-adrenoceptors in human fat cell membranes. Gonzalez JL, et al. **Eur J Pharmacol** 1981 Dec 3;76(2–3):289–93

Close relationship of mitochondria with intercellular junctions in the adrenaline cells of the mouse adrenal gland. Grynszpan-Winograd O. **Experientia** 1982 Feb 15; 38(2):270–1

Catecholamines in bovine semen. Lindahl PE, et al. **Experientia** 1981;37(8):860–1

Net uptake of catecholamines into isolated chromaffin granules demonstrated by a novel polarographic technique. Johnson RG, et al. **FEBS Lett** 1982 May 3;141(1):63–7

Solubilization of epinephrine-specific alpha-adrenergic receptors from adrenocortical carcinoma. Nambi P, et al. **FEBS Lett** 1982 Apr 5;140(1):98–102

Role of ovarian hormones in the long-term control of glucose homeostasis. Interaction with insulin, glucagon and epinephrine. Ahmed-Sorour H, et al. **Horm Res** 1980; 13(6):396–403

Release of 3H-adrenaline from an isolated intact preparation of the rabbit adrenal gland: no evidence for release modulatory alpha-adrenoreceptors. Collett AR, et al. **J Auton Pharmacol** 1982 Mar;2(1):25–34

Osmotic pressures of solutions of ATP and catecholamines relating to storage in chromaffin granules. Kopell WN, et al. **J Biol Chem** 1982 May 25;257(10):5707–10

Characterization of catecholamine-storage organelles in transplantable phaeochromocytoma and adrenal glands of rats. Oberlechner E, et al. **J Neurochem** 1982 Mar; 38(3):615–24

Effects of chronic morphine administration on catecholamines and beta-adrenergic receptors of the superior cervical ganglion and iris of the rat. Mattio TG, et al. **Life Sci** 1982 Apr 26;30(17):1435–42

Drug-induced changes of epinephrine turnover in the rat hypothalamus. Scatton B, et al. **Life Sci** 1981 Sep 14; 29(11):1161–70

Depletion of epinephrine in rat hypothalamus by a dopamine agonist, pergolide. Fuller RW, et al. **Neurochem Res** 1982 Apr;7(4):399–405

Hypothalamic catecholamine changes under acute stress occur independently of nicotinic stimulation. Roth KA, et al. **Neurosci Lett** 1982 Jan 22;28(1):47–50

Co-storage of enkephalins and adrenaline in the bovine adrenal medulla. Livett BG, et al. **Neuroscience** 1982 May; 7(5):1323–32

Phenylethanolamine-N-methyltransferase activity determines the epinephrine concentration of pheochromocytomas. Feldman JM. **Res Commun Chem Pathol Pharmacol** 1981 Dec; 34(3):389–98

Cytochemistry and ultrastructure of the prenatal porcine adrenal medulla. Stadnicka A, et al. **Z Mikrosk Anat Forsch** 1982;96(1):103–12

[Effect of aminton on noradrenaline and adrenaline depots in the rat heart] Panova I, et al. **Eksp Med Morfol** 1981; 20(3):166–70 (Eng. Abstr.) **(Bul)**

[Study of the comparative bioavailability of adrenaline hydrochloride and laurylsulfate by percutaneous absorption (author's transl)] Trublin F, et al. **Ann Pharm Fr** 1981 Jul; 39(3):235–46 (Eng. Abstr.) **(Fre)**

[Acetylcholine-induced bronchoconstriction and changes of adrenaline and noradrenaline levels in plasma and urine (author's transl)] Triebig G, et al. **Prax Klin Pneumol** 1982 Apr;36(4):206–10 (Eng. Abstr.) **(Ger)**

[Concentration of the adrenergic system mediators in the placental blood vessels] Urban J, et al. **Ginekol Pol** 1981 Aug;52(8):681–5 (Eng. Abstr.) **(Pol)**

[Adrenaline oxidation by tumor nuclear membranes mediated by superoxide radicals] Peskin AV, et al. **Dokl Akad Nauk SSSR** 1982;263(5):1270–3 **(Rus)**

[Changes in the catecholamine content in adrenaline-synthetizing structures of the medulla oblongata in rats with different reactions to long-term immobilization] Kvetnanskiĭ R, et al. **Probl Endokrinol (Mosk)** 1981; 27(6):58–63 (Eng. Abstr.) **(Rus)**

PHARMACODYNAMICS

Provoked aggression in mice after a single intraperitoneal dose of catecholamines. PLevová J, et al. **Act Nerv Super (Praha)** 1982 Mar;24(1):25–6

Epinephrine-induced cyclic AMP accumulation in the psoriatic epidermis. Iizuka H, et al. **Acta Derm Venereol (Stockh)** 1981;61(5):391–5

Effect of insulin and epinephrine on some early oestrogenic responses in the rat uterus. Steinsapir J, et al. **Acta Endocrinol (Copenh)** 1982 Feb;99(2):263–71

Adrenergic beta-receptor blockers, adrenalin and intraocular pressure. Ohrström A. **Acta Ophthalmol [Suppl] (Copenh)** 1982;150:4–58

The effect of haemorrhagic shock on blood pressure and heart rate responses to adrenaline in the conscious dog. Adamicza A, et al. **Acta Physiol Acad Sci Hung** 1981; 57(3):233–47

Receptor development and hormone actions. Effect of insulin and epinephrine on the glycogen content of newborn rat liver cultures. Csaba G, et al. **Acta Physiol Acad Sci Hung** 1981;58(1):15–20

Responses to catecholamines and nerve stimulation of the perfused rete tibiotarsale and associated blood vessels in the hind limb of the Mallard (Anas platyrhynchos). Midtgård U, et al. **Acta Physiol Scand** 1981 May; 112(1):77–81

Effects of epinephrine on the electrophysiologic properties of Purkinje fibers surviving myocardial infarction. Cameron JS, et al. **Am Heart J** 1982 Sep;104(3):551–60

Epinephrine potentiation of arachidonate-induced aggregation of cyclooxygenase-deficient platelets. Rao GH, et al. **Am J Hematol** 1981 Dec;11(4):355–66

Active hepatic capacitance responses to neural and humoral stimuli in dogs. Bennett TD, et al. **Am J Physiol** 1982 Jun; 242(6):H1000–9

alpha- and beta-Adrenergic effects of epinephrine on ventricular pacemakers in dogs. Hordof AJ, et al. **Am J Physiol** 1982 Apr;242(4):H677–82

Parathyroid gland response to epinephrine: a rate-sensitivity mechanism. Jung A, et al. **Am J Physiol** 1982 Jan; 242(1):R151–6

Muscle glycogenolysis during exercise: dual control by epinephrine and contractions. Richter EA, et al. **Am J Physiol** 1982 Jan;242(1):E25–32

Selective inhibition by epinephrine of parathyroid hormone-stimulated adenylate cyclase in rat renal cortex. Woodcock EA, et al. **Am J Physiol** 1982 Jun:242(6):F721–6

Spinal cord effects of epinephrine [letter] Collins JG, et al. **Anesth Analg (Cleve)** 1981 Dec;60(12):913–4

Neural blockade and pharmacokinetics following subarachnoid lidocaine in the rhesus monkey. I. Effects of epinephrine. Denson DD, et al. **Anesth Analg (Cleve)** 1982 Sep;61(9):746–50

Epinephrine and duration of spinal anesthesia [letter] Ravindran RS, et al. **Anesth Analg (Cleve)** 1982 Apr; 61(4):395–6

Epinephrine and timolol: how do these drugs lower intraocular pressure? [editorial] Neufeld AH. **Ann Ophthalmol** 1981 Oct;13(10):1109–11

Activation of cyclic AMP-dependent protein kinase by epinephrine in proliferating lymphoid cells. de la Houssaye BA, et al. **Arch Biochem Biophys** 1982 Apr 1;214(2):610–21

Thyroliberin (tinyrotropin releasing hormone): antagonism of halothane and hexobarbital narcosis in mice. Comparison with pentetrazol, caffeine, d-amphetamine and adrenaline. Kruse H, et al. **Arzneimittelforsch** 1982;32(3):211–3

The comparative effects of prilocaine, lignocaine and cocaine on the response of the rabbit ear artery to adrenaline and noradrenaline. Gerke DC, et al. **Aust Dent J** 1982 Feb; 27(1):39–44

The effect of dietary restriction, adrenaline, hydrocortisone and surgery on the rates of death of 125IUdR-labelled, intravenously injected tumour cells in the lungs of mice. Bishop CJ, et al. **Aust J Exp Biol Med Sci** 1982 Feb;60(Pt 1):55–71

Metabolic and haemodynamic responses to adrenaline in normal dogs. Drake AJ, et al. **Basic Res Cardiol** 1982 Mar-Apr;77(2):188–96

Specific and saturable binding of albumin to rat adipocytes: modulation by epinephrine and possible role in free fatty acid transfer. Brandes R, et al. **Biochem Biophys Res Commun** 1982 Apr 14;105(3):821–7

Adrenergic regulation of pyruvate kinase and gluconeogenesis in hepatocytes from phosphorylase kinase-deficient (gsd/gsd) rats. Clark MG, et al. **Biochem Biophys Res Commun** 1981 Nov 30;103(2):690–7

Increased sensitivity to epinephrine stimulated lipolysis during starvation: tighter coupling of the adenylate cyclase complex. Dax EM, et al. **Biochem Biophys Res Commun** 1981 Aug 31;101(4):1186–92

Reconstitution of the turkey erythrocyte adenylate cyclase sensitivity to l-epinephrine upon re-insertion of the Lubrol solubilized components into phospholipid vesicles. Keenan AK, et al. **Biochem Biophys Res Commun** 1982 Mar 30; 105(2):615–23

Effect of catecholamines on ornithine decarboxylase activity in the testis of immature rat. Madhubala R, et al. **Biochem Biophys Res Commun** 1981 Oct 15;102(3):1096–103

Reciprocal changes in fructose-6-phosphate,2-kinase and fructose-2,6-bisphosphatase activity in response to glucagon and epinephrine. Richards CS, et al. **Biochem Biophys Res Commun** 1982 Feb 11;104(3):1073–9

Activation of hormone-sensitive lipase: disparity between evaluations in intact and disrupted fat cells. Salers P, et al. **Biochem Biophys Res Commun** 1981 Dec 15;103(3):813–8

Alpha 1-Adrenergic stimulation of Ca2+ mobilization without phosphorylase activation in hepatocytes from phosphorylase b kinase-deficient gsd/gsd rats. Blackmore PF, et al. **Biochem J** 1981 Aug 15;198(2):379–83

Evidence for beta-adrenergic activation of Na+-dependent efflux of Ca2+ from isolated liver mitochondria. Goldstone TP, et al. **Biochem J** 1982 Apr 15;204(1):369–71

The alpha-adrenergic-mediated activation of Ca2+ influx into cardiac mitochondria. A possible mechanism for the regulation of intramitochondrial free CA2+. Kessar P, et al. **Biochem J** 1981 Nov 15;200(2):379–88

The activation of pyruvate dehydrogenase in the perfused rat heart by adrenaline and other inotropic agents. McCormack JG, et al. **Biochem J** 1981 Feb 15; 194(2):639–43

The effect of adrenaline on the phosphorylation of the P light chain of myosin and troponin I in the perfused rabbit heart. Westwood SA, et al. **Biochem J** 1981 Jul 1; 197(1):185–93

The effects of epinephrine on guinea pig placental glycogen metabolism and on cellular cyclic AMP. Sezer Yarımağan H, et al. **Biochem Med** 1981 Apr;25(2):125–34

In vitro desensitization of human lymphocytes by epinephrine. Krall JF, et al. **Biochem Pharmacol** 1982 Jan 1;31(1):117–9

Epinephrine inhibits protein synthesis in isolated mouse hepatocytes through alpha adrenergic receptors in a calcium dependent way. Mandl J, et al. **Biochem Pharmacol** 1982 Apr 15;31(8):1656–8

Hormonal regulation of acetyl-CoA carboxylase in epididymal adipose tissue. Brownsey RW. **Biochem Soc Trans** 1981 Dec;9(6):515–20

Catecholamine-stimulation of Cl- secretion in MDCK cell epithelium. Brown CD, et al. **Biochim Biophys Acta** 1981 Dec 7;649(2):427–35

The reversible inhibition by carbonyl cyanide m-chlorophenyl hydrazone of epinephrine-stimulated lipolysis in perifused isolated fat cells. Huber CT, et al. **Biochim Biophys Acta** 1981 Dec 23;666(3):462–7

Regulation of adrenergic stimulation of hepatic adenylate cyclase by divalent cations. Jackowski MM, et al. **Biochim Biophys Acta** 1982 Jan 12;714(1):74–83

Regulation of glycogen synthase activity in the isolated mouse soleus muscle. Effect of insulin, epinephrine, glucose and anti-insulin receptor antibodies. Le Marchand-Brustel Y, et al. **Biochim Biophys Acta** 1981 Sep 18;677(1):13–22

A 31P-NMR study of some metabolic and functional effects of the inotropic agents epinephrine and ouabain, and the ionophore R02-2985 (X537A) in the isolated, perfused rat heart. Matthews PM, et al. **Biochim Biophys Acta** 1982 Apr 29;720(2):163–71

The influences of glucagon, epinephrine and adrenergic agents on glycogen phosphorylase a and pyruvate kinase activities in hepatocytes from juvenile and adult rabbits. Yorek MA, et al. **Biochim Biophys Acta** 1982 Jul 16; 717(1):143–8

Dopamine-beta-hydroxylase response to epinephrine injection in anxious patients and normals. Mathew RJ, et al. **Biol Psychiatry** 1982 Mar;17(3):393–7

Adrenaline reactivation of muscle phosphorylase after deactivation during phasic contractile activity. Rennie MJ, et al. **Biosci Rep** 1982 May;2(5):323–31

ADP and epinephrine-induced release of platelet fibrinogen. Kaplan KL, et al. **Blood** 1981 Oct;58(4):797–802

Induction of human platelet fibrinogen receptors by epinephrine in the absence of released ADP. Peerschke EI. **Blood** 1982 Jul;60(1):71–7

Depressed responsiveness to adrenaline in platelets from

apparently normal human donors: a familial trait. Scrutton MC, et al. **Br J Haematol** 1981 Oct;49(2):303–14

Effects of adrenaline and noradrenaline on the heat production of warm- and cold-acclimated sheep. Graham AD, et al. **Can J Physiol Pharmacol** 1981 Sep;59(9):985–93

Effects of free fatty acids, insulin, glucagon and adrenaline on ketone body production in humans. Miles JM, et al. **Ciba Found Symp** 1982;87:192–213

Carotid sinus baroreceptor reflex control and epinephrine. Influence on capacitive and resistive properties of the total pulmonary vascular bed of the dog. Shoukas AA. **Circ Res** 1982 Jul;51(1):95–101

Total circulatory capacity in the rat. Effects of epinephrine and vasopressin on compliance and unstressed volume. Trippodo NC. **Circ Res** 1981 Oct;49(4):923–31

Influence of somatostatin on plasma cyclic AMP and metabolic substrate responses to i.v. adrenaline and glucagon in humans. Nistrup Madsen S, et al. **Clin Endocrinol (Oxf)** 1981 Nov;15(5):431–7

The production of ventricular arrhythmias in the guinea-pigs isolated heart using hypoxic perfusion fluids containing adrenaline. Dai S. **Clin Exp Pharmacol Physiol** 1982 Jan–Feb;9(1):1–9

Effect of low-dose epinephrine infusion on hemodynamics after selective and nonselective beta-blockade in hypertension. Houben H, et al. **Clin Pharmacol Ther** 1982 Jun;31(6):685–90

Adrenaline-induced hypertension in rats. Tung LH, et al. **Clin Sci [Suppl]** 1981 Dec;61(7):191s–193s

The effects of adrenaline on the oxygen transport properties of Salmo gairdneri blood. Nikinmaa M. **Comp Biochem Physiol [A]** 1982;71(2):353–6

Potentiation of epinephrine-induced lipolysis by catechol estrogens and their methoxy derivatives. Ackerman GE, et al. **Endocrinology** 1981 Dec;109(6):2084–8

Specific inhibition by glucocorticoids of the alpha 2-adrenergic stimulation of adrenocorticotropin release in rat anterior pituitary cells. Giguère V, et al. **Endocrinology** 1982 Apr;110(4):1225–30

Epinephrine-sensitive adenylyl cyclase activity in rabbit ovarian tissues. Hunzicker-Dunn M. **Endocrinology** 1982 Jan;110(1):233–40

Plasma renin activity during infusion of epinephrine into the carotid and vertebral arteries of anesthetized dogs. Johnson MD. **Endocrinology** 1982 Sep;111(3):947–52

Abnormalities of insulin secretory and lipolytic response to epinephrine produced by a high fat diet and electric stress in rats. Yamaguchi K, et al. **Endokrinologie** 1981 Dec; 78(2–3):253–61

Inhibitory effect of prostaglandins on the stimulation by glucagon and adrenaline of formation of cyclic AMP in rat hepatocytes. Brønstad GO, et al. **Eur J Biochem** 1981 Jul;117(2):369–74

Glycogen synthase from rabbit skeletal muscle. State of phosphorylation of the seven phosphoserine residues in vivo in the presence and absence of adrenaline. Parker PJ, et al. **Eur J Biochem** 1982 May;124(1):47–55

Effects of cardioselective and non-cardioselective beta-blockade on adrenaline-induced metabolic and cardiovascular responses in man. Raptis S, et al. **Eur J Clin Pharmacol** 1981;20(1):17–22

Desensitization of the beta-adrenergic receptor-adenylate cyclase complex in rabbit iris-ciliary body induced by topical epinephrine. Mittag T, et al. **Exp Eye Res** 1981 Nov;33(5):497–503

Effects of epinephrine on plasma fibrinogen levels in rats submitted to tissue injury. Palma JA, et al. **Experientia** 1981 Jul 15;37(7):780–2

Chronic exercise does not alter the chronotropic response of isolated rat atria to catecholamines. Smith DC, et al. **Experientia** 1982 Feb 15;38(2):260–1

Epinephrine inhibits adenylate cyclase and stimulates a GTPase in human platelet membranes via alpha-adrenoceptors. Aktories K, et al. **FEBS Lett** 1981 Aug 3;130(2):235–8

Simultaneous stimulation of uric acid synthesis and gluconeogenesis in chicken hepatocytes by alpha-adrenergic action of epinephrine and calcium. Fister P, et al. **FEBS Lett** 1982 Mar 8;139(1):27–31

Catecholamine stimulation of ethanol oxidation by isolated rat hepatocytes. Ochs RS, et al. **FEBS Lett** 1981 Aug 17; 131(1):119–21

Epinephrine activation of phosphofructokinase in perfused rat heart. Patten GS, et al. **FEBS Lett** 1981 Nov 30; 135(1):219–22

The epinephrine-induced activation of the cardiac slow Ca2+ channel is mediated by the cAMP-dependent phosphorylation of calciductin, a 23 000 Mr sarcolemmal protein. Rinaldi ML, et al. **FEBS Lett** 1981 Jul 6; 129(2):277–81

Biosynthesis of cyclic AMP antagonist in hepatocytes from rats after adrenalin- or insulin-stimulation. Isolation, purification and prostaglandin E-requirement for its synthesis. Wasner HK. **FEBS Lett** 1981 Oct 26;133(2):260–4

Effects of melanocyte-stimulating hormone and epinephrine on proliferating melanophores of bullfrog tadpole in vitro. Ide H. **Gen Comp Endocrinol** 1982 Jul;47(3):340–5

Epinephrine-induced changes in the cyclic nucleotide content of fish melanoma cells. Negishi S, et al. **Gen Comp Endocrinol** 1982 May;47(1):88–93

Epinephrine-induced conditioned taste aversion. Caza PA, et al. **Horm Behav** 1982 Mar;16(1):31–45

Adrenaline influence on the immune response. II. Its effects through action on the suppressor T-cells. Depelchin A, et al. **Immunol Lett** 1981 Oct;3(4):207–13

Adrenaline influence on the immune response. I. Accelerating or suppressor effects according to the time of application. Depelchin A, et al. **Immunol Lett** 1981 Oct;3(4):199–205

Induction of ocular herpes simplex virus shedding by iontophoresis of epinephrine into rabbit cornea. Kwon BS, et al. **Invest Ophthalmol Vis Sci** 1981 Sep;21(3):442–9

Kinetics of ocular herpes simplex virus shedding induced by epinephrine iontophoresis. Kwon BS, et al. **Invest Ophthalmol Vis Sci** 1982 Jun;22(6):818–21

Epinephrine-impregnated retraction cord [letter]. Bennett CR. **J Am Dent Assoc** 1982 Jul;105(1):12

Systemic effects of epinephrine-impregnated retraction cord in fixed partial denture prosthodontics. Buchanan WT, et al. **J Am Dent Assoc** 1982 Apr;104(4):482–4 (33 ref.)

Studies of the interaction between glucagon and alpha-adrenergic agonists in the control of hepatic glucose output. Assimacopoulos-Jeannet FD, et al. **J Biol Chem** 1982 Apr 10;257(7):3759–65

Epinephrine activation of phosphofructokinase in perfused rat heart. Properties of the activated and nonactivated forms and the interconverting reactions. Clark MG, et al. **J Biol Chem** 1982 Jan 10;257(1):271–6

Modulation of rat parotid cell alpha-adrenergic responsiveness at a step subsequent to receptor activation. Ito H, et al. **J Biol Chem** 1982 Aug 25;257(16):9532–8

Hyperthyroidism impairs the activation of glycogen phosphorylase by epinephrine in rat hepatocytes. Malbon CC, et al. **J Biol Chem** 1981 Dec 10;256(23):12199–204

Regulation of protein phosphorylation by inotropic agents in isolated rat myocardial cells. Onorato JJ, et al. **J Biol Chem** 1981 Oct 25;256(20):10697–703

Epinephrine regulation of phosphofructokinase in perfused rat heart. A calcium ion-dependent mechanism mediated via alpha-receptors. Patten GS, et al. **J Biol Chem** 1982 Aug 25;257(16):9480–6

Hormonal regulation of fructose-6-P-2-kinase and fructose-2,6-P2 by two mechanisms. Richards CS, et al. **J Biol Chem** 1982 Aug 10;257(15):8854–61

Hormonal regulation of glycogen synthase phosphorylation in rabbit skeletal muscle. Sheorain VS, et al. **J Biol Chem** 1982 Apr 10;257(7):3462–70

Hormone-sensitive adenylate cyclase. Delineation of a trypsin-sensitive site in the pathway of receptor-mediated inhibition. Stiles GL, et al. **J Biol Chem** 1982 Jun 10; 257(11):6287–91

Adrenaline activation of prejunctional beta-adrenoceptors and hypertension. Majewski H, et al. **J Cardiovasc Pharmacol** 1982;4(1):99–106

Inhibitory effect of epinephrine on insulin-stimulated glucose uptake by rat skeletal muscle. Chiasson JL, et al. **J Clin Invest** 1981 Sep;68(3):706–13

Mechanisms of epinephrine-induced glucose intolerance in normal humans. Saccà L, et al. **J Clin Invest** 1982 Feb; 69(2):284–93

Effects of hepatic denervation on the anorexic response to epinephrine, amphetamine, and lithium chloride: a behavioral identification of glucostatic afferents. Tordoff MG, et al. **J Comp Physiol Psychol** 1982 Jun;96(3):361–75

Epinephrine desensitization of adenylate cyclase from cyc- and S49 cultured lymphoma cells. Green DA, et al. **J Cyclic Nucleotide Res** 1981;7(3):161–72

The effects of adrenaline on lignocaine nerve block anaesthesia. Caruana P, et al. **J Dent** 1982 Jun;10(2):140–3

A comparison of plain 2 per cent lignocaine and 2 per cent lignocaine with adrenaline in local analgesia for minor oral surgery. Kabambe WM, et al. **J Dent** 1982 Jun;10(2):136–9

Mechanism of epinephrine enhancement of lidocaine-induced skeletal muscle necrosis. Yagiela JA, et al. **J Dent Res** 1982 May;61(5):686–90

Changes in vascular and extravascular volumes of eel muscle in response to catecholamines: the function of the caudal lymphatic heart. Davie PS. **J Exp Biol** 1982 Feb;96:195–208

Adrenalin has differential effects on epidermal cell cycle progression in mice. Clausen OP, et al. **J Invest Dermatol** 1982 Jun;78(6):472–6

Mechanism of the age-related decrease of epinephrine-stimulated lipolysis in isolated rat adipocytes: beta-adrenergic receptor binding, adenylate cyclase activity, and cyclic AMP accumulation. Dax EM, et al. **J Lipid Res** 1981 Aug;22(6):934–43

Alpha-adrenergic responses in rabbit white fat cells: the influence of obesity and food restriction. Lafontan M. **J Lipid Res** 1981 Sep;22(7):1084–93

Effects of catecholamines on free fatty acid release from bone marrow adipose tissue. Tran MA, et al. **J Lipid Res** 1981 Nov;22(8):1271–6

Triphenylmethylphosphonium cation distribution as a measure of hormone-induced alterations in white adipocyte membrane potential. Vallano ML, et al. **J Membr Biol** 1982; 68(1):57–66

Electrophysiological and pharmacological study of the inotropic effects of adrenaline, dopamine and tryptamine on frog atrial fibres. Ouedraogo CO, et al. **J Mol Cell Cardiol** 1982 Feb;14(2):111–21

Calcium and the action of adrenaline, adenosine triphosphate and carbachol on guinea-pig taenia caeci. Den Hertog A. **J Physiol (Lond)** 1982 Apr;325:423–39

Calcium and the alpha-action of catecholamines on guinea-pig taenia caeci. Den Hertog A. **J Physiol (Lond)** 1981 Jul;316:109–25

Effects of catecholamines and cyclic amp on excitation—contraction coupling in isolated skeletal muscle fibres of the frog. Gonzalez-Serratos H, et al. **J Physiol (Lond)** 1981 Jun;315:267–82

Propranolol and epinephrine [letter] Stotter ML. **JAMA** 1981 Oct 16;246(16):1772

Epinephrine and potassium homeostasis. DeFronzo RA, et al. **Kidney Int** 1981 Jul;20(1):83–91

Adrenergic influence on rat plasma concentrations of tyrosine and tryptophan. Eriksson T, et al. **Life Sci** 1982 Apr 26; 30(17):1465–72

Effect of chronic alcohol administration on the hormonal sensitivity of isolated perfused rat liver. Lee H, et al. **Life Sci** 1981 Jul 13;29(2):135–41

Vasopressin and epinephrine stimulation of phosphatidylinositol breakdown in the plasma membrane of rat hepatocytes. Lin SH, et al. **Life Sci** 1981 Nov 2; 29(18):1905–12

Cytology of the pineal gland and its response to epinephrine and 6-hydroxydopamine in Indian weaver bird (Ploceus philippinus). Chakraborty S. **Mikroskopie** 1981 Aug; 38(7–8):187–92

Inactivation of phosphofructokinase in chicken hepatocytes by epinephrine. Fister P, et al. **Mol Cell Endocrinol** 1982 Apr;26(1–2):19–30

Influence of alpha- and beta-adrenoblockers on the calorigenic effect of epinephrine in rats with experimental hyperthyroidism. Sobolev VI. **Neurosci Behav Physiol** 1981 Jul–Aug;11(4):389–91

Augmentation of thoracic duct lymph flow induced by adrenaline in the rabbits treated previously with propranolol. Toyosawa K, et al. **Nippon Seirigaku Zasshi** 1981;43(2):44–5

About the possibilities of registration of drug influence by means of radiocardiographic function analysis. Lösel E, et al. **Nuklearmedizin** 1981 Oct;20(5):236–40

Densitometric control of retinal vascular reactions after mandibular nerve anesthesia. Goder GJ, et al. **Ophthalmologica** 1982 Mar;184(3):147–54

The effects of intra-arterial epinephrine and nicotine on gingival circulation. Clarke NG, et al. **Oral Surg** 1981 Dec; 52(6):577–82

A kinetic analysis of the facilitatory action of adrenaline. Kaibara K, et al. **Pflugers Arch** 1982 Jan;392(3):304–6

Adrenaline sensitive adenylate cyclase in human gastric mucosa. Ruoff HJ, et al. **Pharmacology** 1981;23(3):137–44

Effect of epinephrine on glucose metabolism in kid liver slices. Machaňová L, et al. **Physiol Bohemoslov** 1981; 30(6):573–6

Influence of Xylocain adrenalin and Citanest Octapressin on sulcular fluid flow. Hakkarainen K, et al. **Proc Finn Dent Soc** 1981;77(6):336–9

Two physiological agents that appear to facilitate calcium discharge from the sarcoplasmic reticulum in frog heart cells: adrenalin an ATP. Niedergerke R, et al. **Proc R Soc Lond [Biol]** 1981 Nov 13;213(1192):325–44

In vitro influences of adrenaline on erythrocyte metabolism and on oxygen affinity of hemoglobin. Mairbäurl H, et al. **Prog Clin Biol Res** 1981;55:311–22

Nutritional and hormonal factors influencing desaturation of essential fatty acids. Brenner RR. **Prog Lipid Res** 1981; 20:41–7

Epidurography using epinephrine and tomography. Easterbrook JS, et al. **Radiology** 1981 Sep;140(3):709–11

The action of epinephrine and norepinephrine on perfused rabbit liver. Influence of orthograde and retrograde perfusion. Martínková J, et al. **Sb Ved Pr Lek Fak Univ Karlovy** 1981;24(1):101–12

The action of epinephrine on perfused rabbit liver. Influence of pretreatment with phenoxybenzamine. Martínková J, et al. **Sb Ved Pr Lek Fak Univ Karlovy** 1981;24(1):113–22

Granulocyte demargination by epinephrine in evaluation of hypersplenic states. Schaffner A, et al. **Scand J Haematol** 1981 Oct;27(4):225–30

Effect of alterations in drug metabolism on epinephrine-induced cardiac arrhythmias in rabbits exposed to methylchloroform. Carlson GP. **Toxicol Lett** 1981 Dec;9(4):307–13

The effects of alloxan diabetes, insulin and epinephrine on glucose-6-phosphate dehydrogenase from rat liver and brain. Titanji VP, et al. **Ups J Med Sci** 1981;86(1):33–8

[Effect of adrenaline on the oxidation in the central nervous system and liver of rats during development (author's transl)] Mourek J. **Sb Lek** 1982 Apr;84(4):97–105 (Eng. Abstr.) **(Cze)**

[Effects of adrenaline, noradrenaline and isoprenaline administration on carbohydrate and lipid metabolism parameters in swine blood plasma] Brenner KV, et al. **Arch Exp Veterinarmed** 1981;35(5):697–706 (Eng. Abstr.) **(Ger)**

[Influence of 4-methylesculetol on the response of segments of isolated coronary arteries to adrenaline, in presence of pyrogallol] Bettini V, et al. **Acta Vitaminol Enzymol** 1981; 3(4):236–43 (Eng. Abstr.) **(Ita)**

[Effects of adrenaline, noradrenaline and pilocarpine on the oxygen uptake in rat submandibular gland (author's transl)] Sakamoto S, et al. **Nippon Seirigaku Zasshi** 1981; 43(10):469–78 (Eng. Abstr.) **(Jpn)**

[Effect of catecholamines on the morphological picture of the peripheral autonomic nervous system of the digestive tract of rats—light-microscopical study] Jędrzejewska A,

et al. **Patol Pol** 1981;32(2):233–42 (Eng. Abstr.) **(Pol)**

[Influence of adrenaline on the transmembrane potential changes in developing loach embryos] Sanagurskiĭ DI, et al. **Biofizika** 1982 Mar–Apr;27(2):253–8 (Eng. Abstr.) **(Rus)**

[Inhibiting effect of adrenaline on the acetylcholinesterase activity of skeletal muscle sarcolemma] Diadiusha GP, et al. **Biokhimiia** 1981 Sep;46(9):1558–63 (Eng. Abstr.) **(Rus)**

[Dynamics of the phases of mitosis and the duration of cell division] Dobrokhotov VN, et al. **Biull Eksp Biol Med** 1981 Aug;92(8):76–8 (Eng. Abstr.) **(Rus)**

[Effect of adrenaline administration on the interrelation between free fatty acid concentration in the blood and platelet accumulation in the circulatory bed of the myocardium] Gereliuk IP. **Biull Eksp Biol Med** 1981 Dec; 92(12):661–3 (Eng. Abstr.) **(Rus)**

[Effect of adrenaline and thymic factor on blood coagulation and fibrinolysis in healthy and thymectomized rats] Kuznik BI, et al. **Biull Eksp Biol Med** 1981 Sep;92(9):264–6 (Eng. Abstr.) **(Rus)**

[2 Phases of the inotropic action of adrenaline. Calcium dependence] Sorokin LV, et al. **Biull Eksp Biol Med** 1982 May;93(5):15–7 (Eng. Abstr.) **(Rus)**

[Morphologic changes in the hematopoietic organs of rats in response to adrenaline] Khil'ko AS, et al. **Fiziol Zh** 1982 Jan–Feb;28(1):40–5 (Eng. Abstr.) **(Rus)**

[Kinetic analysis of the reaction between adrenaline, noradrenaline and isadrine and adrenergic receptors of the systemic and pulmonary circulations] Navakatikian MA, et al. **Fiziol Zh** 1981 Sep–Oct;27(5):663–7 (Eng. Abstr.) **(Rus)**

[Changes in intraocular pressure following local injection of catecholamines into the hypothalamus] Danilov GE, et al. **Fiziol Zh SSSR** 1981 Oct;67(10):1487–92 (Eng. Abstr.) **(Rus)**

[Effect of glucocorticoids and catecholamines on the state of the tissue lysosomal apparatus in rabbits with experimental diabetes] Panin LE, et al. **Probl Endokrinol (Mosk)** 1982 Jan–Feb;28(1):70–3 (Eng. Abstr.) **(Rus)**

[Characteristics of the reaction of the embryonic hepatocyte to the effect of insulin and adrenaline] Zabara AM, et al. **Tsitol Genet** 1981 Sep–Oct;15(5):8–14 (Eng. Abstr.) **(Rus)**

[Effect of cortisol, adrenaline and ACTH on the absorption and intracellular distribution of protein-labelled lipoproteins by rat liver and adrenal tissues] Panin LE, et al. **Tsitologiia** 1981 Nov;23(11):1257–62 (Eng. Abstr.) **(Rus)**

[Reactivity of renal vessels to vasoactive agents (author's transl)] Antal J. **Bratisl Lek Listy** 1981 Mar;75(3):261–72 (Eng. Abstr.) **(Slo)**

[Response of regional vascular beds to adrenaline administration (author's transl)] Antal J. **Bratisl Lek Listy** 1982 Apr;77(4):385–93 (Eng. Abstr.) **(Slo)**

[Action of propranolol, nifenalol, and pindolol on the lipolytic effect of adrenaline in the rat epididymis] Sánchez-Cuadrado MC, et al. **Arch Farmacol Toxicol** 1981 Apr;7(1):181–2 **(Spa)**

PHYSIOLOGY

Evidence for a neurotransmitter role for epinephrine derived from the adrenal medulla. Berecek KH, et al. **Am J Physiol** 1982 Apr;242(4):H593–601

Regulation of extrarenal potassium homeostasis by adrenal hormones in rats. Bia MJ, et al. **Am J Physiol** 1982 Jun; 242(6):F641–4

Interactions between intrarenal epinephrine receptors and the renal baroreceptor in the control of PRA in conscious dogs. Farhi ER, et al. **Circ Res** 1982 Apr;50(4):477–85

Hypertension through adrenaline activation of prejunctional beta-adrenoceptors. Majewski H, et al. **Clin Exp Pharmacol Physiol** 1981 Sep–Oct;8(5):463–8

Influence of adrenal epinephrine on postnatal development of tyrosine hydroxylase activity in the superior cervical ganglion. Markey KA, et al. **Dev Neurosci** 1981;4(4):267–72

Evidence for the involvement of central epinephrine systems in the regulation of luteinizing hormone, prolactin, and growth hormone release in female rats. Crowley WR, et al. **Endocrinology** 1982 Apr;110(4):1102–7

Control of pancreatic cyclic nucleotide levels and amylase secretion by noncholinergic, nonadrenergic nerves. A study employing electrical field stimulation of guinea pig segments. Pearson GT, et al. **J Biol Chem** 1981 Nov 10; 256(21):11025–31

Regulation of episodic growth hormone secretion by the central epinephrine system. Studies in the chronically cannulated rat. Terry LC, et al. **J Clin Invest** 1982 Jan; 69(1):104–12

Nicotinic–catecholaminergic interactions in rat brain: evidence for cholinergic nicotinic and muscarinic interactions with hypothalamic epinephrine. Roth KA, et al. **J Pharmacol Exp Ther** 1982 May;221(2):416–20

Changes in plasma noradrenaline and adrenaline associated with central and peripheral thermal stimuli in the pig. Barrand MA, et al. **J Physiol (Lond)** 1981 Jul;316:139–52

The effect of catecholamines or sodium lactate on blood lactate distribution in the rat. Aragno R. **J Sports Med Phys Fitness** 1981 Mar;21(1):7–14

Modulation of the slow inward Ca2+ current by adrenaline in bullfrog sympathetic ganglion cells. Koketsu K, et al. **Jpn J Physiol** 1982;32(1):137–40

Adrenaline neurons in the rostral ventrolateral medulla innervate thoracic spinal cord: a combined immunocytochemical and retrograde transport demonstration. Ross CA, et al. **Neurosci Lett** 1981 Sep 25; 25(3):257–62

Epinephrin(e). Davenport HW. **Physiologist** 1982 Apr; 25(2):76–82

[A study on the role of catecholamines in gastrin responses to insulin-induced hypoglycemia (author's transl)] Wakabayashi A. **Nippon Shokakibyo Gakkai Zasshi** 1981 Aug;78(8):1568–76 (Eng. Abstr.) **(Jpn)**

[Role of catecholamines in primary hypertension – a still unsolved problem] Chodakowska J, et al. **Kardiol Pol** 1981; 24(10):665–73 **(Pol)**

[Changes in the level of catecholamines in norepinephrine-producing structures of the brain of rats subjected to immobilization] Belova TI, et al. **Biull Eksp Biol Med** 1982 Feb;93(2):8–9 (Eng. Abstr.) **(Rus)**

[Adrenergic and cholinergic activity of the intestinal mucosa] Chernysheva SV, et al. **Fiziol Zh** 1982 Mar–Apr; 28(2):246–9 **(Rus)**

[Role of catecholamine in activating glycogenolysis in experimental myocardial infarct complicated by ventricular fibrillation] Dolgova NP. **Kardiologiia** 1982;22(7):101–5 (Eng. Abstr.) **(Rus)**

[Reciprocal effects of thyroid hormones and catecholamines on adipose tissue metabolism] Llamas R. **Gac Med Mex** 1982 Jan;118(1):17–20 **(Spa)**

POISONING

Life-threatening similarity in drug packaging [letter] Ikeda S, et al. **Anesthesiology** 1982 Jun;56(6):489–91

Epinephrine overdose; a continuing problem. Levine RD, et al. **NY State J Med** 1981 Oct;81(11):1669–70

SECRETION

Methacholine, a cholinergic agent, stimulates catecholamine release in man. Hata S, et al. **Acta Endocrinol (Copenh)** 1981 Oct;98(2):283–7

Fatal catecholamine crisis in pheochromocytoma: curable cause of cardiac arrest. McManus BM, et al. **Am Heart J** 1981 Nov;102(5):930–2

Evolution of angiotensin II-induced catecholamine release. Carroll RG, et al. **Am J Physiol** 1982 Jul;243(1):R65–9

Reduced epinephrine secretion and hypoglycemia unawareness in diabetic autonomic neuropathy. Hoeldtke RD, et al. **Ann Intern Med** 1982 Apr;96(4):459–62

Nitriphenol compound induces Ca-dependent exocytotic secretion of catecholamines by a direct effect on the plasma membranes of the adrenal medullary cells. Sorimachi M, et al. **Brain Res** 1982 Jan 28;232(1):242–6

The adrenal medullary response to graded hemorrhage in awake dogs. Engeland WC, et al. **Endocrinology** 1981 Nov; 109(5):1539–44

Proportional secretion of opioid peptides and catecholamines from adrenal chromaffin cells in culture. Wilson SP, et al. **J Neurosci** 1982 Aug;2(8):1150–6

Is adrenaline the cause of essential hypertension? Brown MJ, et al. **Lancet** 1981 Nov 14;2(8255):1079–82

Catecholamines in essential hypertension [letter] Smith AJ, et al. **Lancet** 1982 Jan 9;1(8263):112–3

Potassium evoked catecholamine release from the nucleus tractus solitarius in vitro. Thoa NB, et al. **Life Sci** 1982 Apr 26;30(17):1479–85

Severe insulin-induced hypoglycemia associated with deficiencies in the release of counterregulatory hormones. Boden G, et al. **N Engl J Med** 1981 Nov 12;305(20):1200–5

[Decreased secretion of epinephrine during protein-supplemented fasting in obese subjects (author's transl)] Scheen A, et al. **Ann Endocrinol (Paris)** 1981 Dec; 42(6):531–6 (Eng. Abstr.) **(Fre)**

[Pheochromocytoma with predominant epinephrine secretion (author's transl)] Fernández Castañer M, et al. **Med Clin (Barc)** 1982 Mar 1–15;78(5):200–3 (Eng. Abstr.) **(Spa)**

STANDARDS

[On the National Institute of Hygienic Sciences Standard (Japanese Pharmacopoeia Standard) 'Epinephrine Bitartrate Reference Standard (Control 781)' and 'Norepinephrine Bitartrate Reference Standard (Control 791)' (author's transl)] Kimura T, et al. **Eisei Shikenjo Hokoku** 1981;99:118–21 (Eng. Abstr.) **(Jpn)**

THERAPEUTIC USE

6-hydroxydopamine in the treatment of open-angle glaucoma. Talusan E, et al. **Am J Ophthalmol** 1981 Dec; 92(6):792–8

Additive effect of epinephrine to timolol therapy in primary open angle glaucoma. Cyrlin MN, et al. **Arch Ophthalmol** 1982 Mar;100(3):414–8

Timolol and epinephrine: long-term evaluation of concurrent administration. Korey MS, et al. **Arch Ophthalmol** 1982 May;100(5):742–5

Adrenaline 1% combined with guanethidine 1% versus adrenaline 1%: a randomised prospective double-blind cross-over study. Hitchings RA, et al. **Br J Ophthalmol** 1982 Apr;66(4):247–9

Low-dose combined guanethedine 1% and adrenaline 0.5% in the treatment of chronic simple glaucoma: a prospective study. Murray A, et al. **Br J Ophthalmol** 1981 Aug; 65(8):533–5

Study of the additive effect of timolol and epinephrine in lowering intraocular pressure. Thomas JV, et al. **Br J Ophthalmol** 1981 Sep;65(9):596–602

Managing cerebral malaria [letter] Patrick I. **Br Med J [Clin Res]** 1982 Jun 26;284(6333):1954

Acute verapamil poisoning: successful treatment with epinephrine. Chimienti M, et al. **Clin Cardiol** 1982 Mar; 5(3):219–22

Comparison of dopamine, dobutamine, and epinephrine in CPR. Otto CW, et al. **Crit Care Med** 1981 Sep;9(9):640–3

Emergency treatment of insect sting reactions — should adrenaline be available in schools and camps? Wray BB, et al. **J Med Assoc Ga** 1981 Aug;70(8):551–2

Adrenaline and terbutaline in treatment of acute asthmatic attacks on children. Phanichyakarn P, et al. **J Med Assoc Thai** 1981 Sep;64(9):428–31

Comparative effect of epinephrine and aminophylline in the treatment of asthma. Appel D, et al. **Lung** 1981; 159(5):243–54

An evaluation of the initial treatment of acute asthma. Ben-Zvi Z, et al. **Pediatrics** 1982 Sep;70(3):348–53

[Immediate therapy of severe intolerance during the infusion of colloidal plasma substitutes] Kilian J. **Beitr Infusionther Klinis Ernahr** 1981;8:43–7 **(Ger)**

[Experience with combined therapy in the treatment of glaucoma: guanethidine/epinephrine compared with timolol/epinephrine (author's transl)] Merkle W. **Klin Monatsbl Augenheilkd** 1981 Dec;179(6):424–5 (Eng. Abstr.) **(Ger)**

TOXICITY

Cardiac lesions in the frog induced by adrenaline. Carlsten A, et al. **Acta Pharmacol Toxicol (Copenh)** 1980 Nov; 47(5):359–64

Epinephrine-induced arrhythmias during halothane anesthesia with the addition of nitrous oxide, nitrogen, or helium in dogs. Liu WS, et al. **Anesth Analg (Cleve)** 1982 May;61(5):414–7

Site of origin of halothane–epinephrine arrhythmia determined by direct and echocardiographic recordings. Smith ER, et al. **Anesthesiology** 1982 Aug;57(2):98–102

Damage to tissue defenses by a topical anesthetic agent. Barker W, et al. **Ann Emerg Med** 1982 Jun;11(6):307–10

Epinephrine induced myocardial necrosis: effects of aminophylline and adrenergic blockade. Blaiklock RG, et al. **Res Commun Chem Pathol Pharmacol** 1981 Nov; 34(2):179–92

Epinephrine-induced cardiac arrhythmias in rabbits exposed to trichloroethylene: potentiation by ethanol. White JF, et al. **Toxicol Appl Pharmacol** 1981 Sep 30;60(3):466–71

Epinephrine-induced cardiac arrhythmias in rabbits exposed to trichloroethylene: role of trichloroethylene metabolites. White JF, et al. **Toxicol Appl Pharmacol** 1981 Sep 30; 60(3):458–65

URINE

Role of some biogenic amines in the pathomechanism of glomerulonephritis. II. Adrenaline, noradrenaline and serotonin in acute serum sickness in rabbits. Gębala A, et al. **Acta Physiol Pol** 1981 Jul–Aug;32(4):363–73

Role of some biogenic amines in the pathomechanism of glomerulonephritis. Zajączkowska M, et al. **Acta Physiol Pol** 1981 Jul–Aug;32(4):375–82

Effect of low-dose clorgyline on 24-hour urinary monoamine excretion in patients with rapidly cycling bipolar affective disorder. Linnoila M, et al. **Arch Gen Psychiatry** 1982 May; 39(5):513–6

Urinary excretion of catecholamines in the night monkey (Aotus trivirgatus) (Primates, Cebidae). Peyrin L, et al. **Arch Int Physiol Biochim** 1981 Nov;89(4):345–56

Habitual catecholamine excretion and its relation to habitual distress. Forsman L. **Biol Psychol** 1980 Sep;11(2):83–97

Urinary free catecholamines determined by liquid chromatography—fluorometry. Anderson GM, et al. **Clin Chem** 1981 Dec;27(12):2060–3

Simultaneous fluorometry of urinary dopamine, norepinephrine, and epinephrine compared with liquid chromatography with electrochemical detection. Oka K, et al. **Clin Chem** 1982 Apr;28(4 Pt 1):646–9

Use of alumina, sephadex G10, and ion-exchange columns to purify samples for determination of epinephrine, norepinephrine, dopamine, homovanillic acid, and 5-hydroxyindoleacetic acid in urine. Westerink BH, et al. **Clin Chem** 1982 Aug;28(8):1745–8

The effects of psychosocial stress on urinary excretion of adrenaline and noradrenaline in 51- to 55- and 71- to 74-year-old men. Faucheux BA, et al. **Gerontology** 1981; 27(6):313–25

Associations between rates of urinary catecholamine excretion and aspects of lifestyle among adult women in some Oxfordshire villages. Harrison GA, et al. **Hum Biol** 1981 Dec;53(4):617–33

Increased urinary concentration of catecholamines in hypothermia deaths. Hirvonen J, et al. **J Forensic Sci** 1982 Apr;27(2):264–71

Biochemical variability in a tem sports situation. Biersner RJ, et al. **J Human Stress** 1981 Sep;7(3):12–7
Catecholamine and cortisol excretion patterns in three-year-old children and their parents. Lundberg U, et al. **J Human Stress** 1981 Sep;7(3):3–11
Endocrine response patterns and psychological correlates. Vaernes R, et al. **J Psychosom Res** 1982;26(2):123–31
Increase of lipoprotein-lipase activity in skeletal muscle during heavy exercise. Relation to epinephrine excretion. Lithell H, et al. **Metabolism** 1981 Nov;30(11):1130–4
Consistency in catecholamine excretion in laboratory and natural settings: correlational and variance components analyses. Forsman L. **Scand J Psychol** 1982;23(2):99–106
[Urinary catecholamine excretion and cardiac output in hypertensive patients] Beloev I, et al. **Vutr Boles** 1982; 21(2):85–91 (Eng. Abstr.) **(Bul)**
[Catecholamine excretion study in arterial hypertension] Lin'ova V, et al. **Vutr Boles** 1981;20(6):106–9 **(Bul)**
[The aerobic and anaerobic capacity of adolescents and catecholamine excretion during prolonged submaximal exercise (author's transl)] Lehmann M, et al. **Eur J Applied Physiol** 1982;48(1):135–45 (Eng. Abstr.) **(Ger)**
[Urinary adrenaline and noradrenaline excretion in newborn infants with signs of fetal growth retardation] Sawa H, et al. **Ginekol Pol** 1981 May;52(5):437–40 (Eng. Abstr.) **(Pol)**
[Sympathetic-adrenal system in children with nontoxic and hyperthyroid goiter] Szewczyk L, et al. **Pediatr Pol** 1981 Nov–Dec;56(11–12):1277–81 (Eng. Abstr.) **(Pol)**
[Catecholamine excretion in prolonged pregnancy before the onset of labor] Kurysheva KA, et al. **Akush Ginekol (Mosk)** 1981 Aug;(8):37–9 (Eng. Abstr.) **(Rus)**
[Effect of calcium pangamate on catecholamine metabolism in rheumatoid arthritis patients] Garmash VIa, et al. **Ter Arkh** 1981;53(7):17–9 (Eng. Abstr.) **(Rus)**
[Metabolic characteristics of lipids and catecholamines in alimentary obesity complicated by diabetes mellitus in its latent form] Frolova IA, et al. **Vopr Pitan** 1981 Jul–Aug; (4):7–10 (Eng. Abstr.) **(Rus)**

EPIPHYSES

Unicameral bone cyst with epiphyseal involvement: clinicoanatomic analysis. Malawer MM, et al. **J Pediatr Orthop** 1982 Mar;2(1):71–9
[Fractures of the distal epiphysis of the tibia] De Palma L, et al. **Arch Putti Chir Organi Mov** 1981;31:331–41 (Eng. Abstr.) **(Ita)**
[Trichorhinophalangeal syndrome (Giedion)] Ferrando J, et al. **Med Cutan Iber Lat Am** 1981;9(5):351–60 (Eng. Abstr.) **(Spa)**

ANALYSIS

Morphological studies on the epiphyseal growth plate combined with biochemical and X-ray microprobe analyses. Althoff J, et al. **Histochemistry** 1982;74(4):541–52
A histochemical study of slipped capital femoral epiphysis. Ippolito E, et al. **J Bone Joint Surg [Am]** 1981 Sep; 63A(7):1109–13
The measurement of proteoglycan in the mineralizing region of the rat growth plate. Mitchell N, et al. **J Bone Joint Surg [Am]** 1982 Jan;64–A(1):32–8
Cartilage calcification: an ultrastructural, histochemical, and analytical x-ray microprobe study of the zone of calcification in the normal avian epiphyseal growth plate. Davis WL, et al. **J Histochem Cytochem** 1982 Mar; 30(3):221–34
Electron optical and analytical observations of rat growth plate cartilage prepared by ultracryomicrotomy: the failure to detect a mineral phase in matrix vesicles and the identification of heterodispersed particles as the initial solid phase of calcium phosphate deposited in the extracellular matrix. Landis WJ, et al. **J Ultrastruct Res** 1982 Mar; 78(3):227–68
Quantitative EPMA of biological tissue using mixtures of salts as standards. Krefting ER, et al. **Scan Electron Microsc** 1981;(Pt 2):369–76, 368

BLOOD SUPPLY

[Experimental traumatic epiphysiolysis (author's transl)] Farine I, et al. **Rev Chir Orthop** 1981;67(3):175–80 (Eng. Abstr.) **(Fre)**

DRUG EFFECTS

Inhibition of partial closure of epiphyseal plate in rabbits by indomethacin. Sudmann E, et al. **Acta Orthop Scand** 1982 Aug;53(4):507–11
Scanning electron microscopy of the femoral epiphyseal plate and metaphysis of the rat after short-term fluoride ingestion. Ream LJ, et al. **J Submicrosc Cytol** 1982 Jan; 14(1):73–80

GROWTH & DEVELOPMENT

Epiphyseal union and dental eruption Macaca mulatta. Cheverud JM. **Am J Phys Anthropol** 1981 Oct;56(2):157–67
Epiphyseal plate development in the zinc-deficient rat. Suwarnasarn A, et al. **J Nutr** 1982 Jul;112(7):1320–8
Radiographic studies on maturation process of secondary ossification centers in long bones of the Japanese white rabbit. Fukuda S, et al. **Jikken Dobutsu** 1981 Oct; 30(4):497–501

INJURIES

Injuries of the distal tibial epiphysis: systematic radiographic evaluation. Mac Nealy GA, et al. **AJR** 1982 Apr; 138(4):683–9
Calcaneal epiphysitis in adolescent athletes. McKenzie DC, et al. **Can J Appl Sport Sci** 1981 Sep;6(3):123–5
Evolution of the concept of an extensible nail accommodating to normal longitudinal bone growth: clinical considerations and implications. Bailey RW, et al. **Clin Orthop** 1981 Sep; (159):157–70
The role of trauma in the pathogenesis of the osteochondroses. Douglas G, et al. **Clin Orthop** 1981 Jul–Aug;(158):28–32
Constitutional aspects of the osteochondroses. Duthie RB, et al. **Clin Orthop** 1981 Jul–Aug;(158):19–27
Triplane distal tibial epiphyseal fracture. Peiró A, et al. **Clin Orthop** 1981 Oct;(160):196–200
Epiphyseal plate injuries in the hand. Samuel AW. **Injury** 1981 May;12(6):503–5
Spontaneous resolution of varus deformity at the ankle following adduction injury of the distal tibial epiphysis. A case report. Chadwick CJ. **J Bone Joint Surg [Am]** 1982 Jun;64(5):774–6
Compression injury of the epiphyseal growth plate: fact or fiction? Peterson HA, et al. **J Pediatr Orthop** 1981; 1(4):377–84
An unusual sequel of growth plate injury. King JB. **Med Sci Law** 1981 Jul;21(3):204–6
Case report: operative correction of abnormal central epiphyseal plate closure by transmetaphyseal bone-bridge resection and implantation of fat. Visser JD, et al. **Neth J Surg** 1981 Aug;33(3):140–5
Injury to the growth mechanisms of the immature skeleton. Ogden JA. **Skeletal Radiol** 1981;6(4):237–53
[De-epiphysiodesis and old traumata of the growth apparatus (author's transl)] Desgrippes Y, et al. **Ann Chir** 1982 Jan; 36(1):13–7 (Eng. Abstr.) **(Fre)**
[Plate fixation in fractures of the tibial plateau (author's transl)] Chaix O, et al. **Rev Chir Orthop** 1982;68(3):189–97 (Eng. Abstr.) **(Fre)**
[Fractures of the anterolateral tubercle of the distal tibial epiphysis in adolescence (author's transl)] Gille P, et al. **Rev Chir Orthop** 1981;67(7):675–80 (Eng. Abstr.) **(Fre)**
[Value of scintigraphic examination methods with 99mTechnetium in injuries of the epiphyseal cartilage (author's transl)] Neugebauer W, et al. **Aktuel Traumatol** 1981 Dec;11(6):217–24 (Eng. Abstr.) **(Ger)**
[New classification of epiphyseal-plate injuries with regard to therapy and prognosis (author's transl)] Scharf W, et al. **Aktuel Traumatol** 1982 Jan;12(1):34–41 (Eng. Abstr.) **(Ger)**
[Posttraumatic growth disorders of the lower extremity] Jaster D. **Beitr Orthop Traumatol** 1981 Dec;28(12):649–55 (Eng. Abstr.) **(Ger)**
[The 'uncompleted' in growth: the transitional fracture of the distal tibia (author's transl)] von Laer L. **Unfallheilkunde** 1981 Sep;84(9):373–81 (Eng. Abstr.) **(Ger)**
[Lesions of the epiphyses – classification – therapy – prognosis (author's transl)] Neugebauer W, et al. **Z Kinderchir** 1981 Jun;33(2):153–66 (Eng. Abstr.) **(Ger)**

METABOLISM

Xylosylphosphoryldolichol synthesized by chick embryo epiphyses. Not an intermediate in proteoglycan biosynthesis. Faltynek CR, et al. **J Biol Chem** 1982 May 25;257(10):5490–5
Proteoglycans and calcification of cartilage in the femoral head epiphysis of the immature rat. Franzén A, et al. **J Bone Joint Surg [Am]** 1982 Apr;64(4):558–66
[Daily variations in S-adenosylmethionine content and oxyindole-O-methyltransferase activity in rat epiphysis] Pavlinov SA, et al. **Biokhimiia** 1981 Sep;46(9):1667–73 (Eng. Abstr.) **(Rus)**

PATHOLOGY

Primary articular osteochondroses. Omer GE Jr. **Clin Orthop** 1981 Jul–Aug;(158):33–40
Thiemann's disease. Melo-Gomes JA, et al. **J Rheumatol** 1981 May–Jun;8(3):462–7
[Observation on the penetration of osteosarcoma of long bone through epiphyseal plate and joint cartilage (author's transl)] Chen ML. **Chung Hua Wai Ko Tsa Chih** 1981 Nov; 19(11):696–7 (Eng. Abstr.) **(Chi)**
[Dysplasia epiphysialis hemimelica (author's transl)] Rodríguez JI, et al. **An Esp Pediatr** 1982 Mar;16(3):238–45 (Eng. Abstr.) **(Spa)**

PHYSIOLOGY

Breaking force of the rabbit growth plate and its application to epiphyseal distraction. Noble J, et al. **Acta Orthop Scand** 1982 Feb;53(1):13–6

RADIATION EFFECTS

Slipped femoral capital epiphyses in irradiated children: dose, volume and age relationships. Silverman CL, et al. **Int J Radiat Oncol Biol Phys** 1981 Oct;7(10):1357–63
[Radiation injuries of the locomotor system (author's transl)] Wagner H. **Langenbecks Arch Chir** 1981;355:182–5 (Eng. Abstr.) **(Ger)**

RADIOGRAPHY

Some vagaries of the lateral epicondyle. Silberstein MJ, et al. **J Bone Joint Surg [Am]** 1982 Mar;64(3):444–8
Radiographic studies on maturation process of secondary ossification centers in long bones of the Japanese white rabbit. Fukuda S, et al. **Jikken Dobutsu** 1981 Oct; 30(4):497–501
Radiologic estimation of gestational age of Nigerian newborn infants using the lower limb ossification centres. Odita JC, et al. **Trop Geogr Med** 1981 Sep;33(3):209–14
[Radiologic aspects of epiphyseal necrosis and pathogenetic implications] Malghem J, et al. **Acta Orthop Belg** 1981 Mar–Apr;47(2):200–24 (Eng. Abstr.) **(Fre)**

RADIONUCLIDE IMAGING

[Radionuclide assessment of skeletal growth and maturation (160 bone scans in patients aged 0 to 21 years) (author's transl)] Gillet J, et al. **Ann Pediatr (Paris)** 1982 Mar; 29(3):18[illegible]92 (Eng. Abstr.) **(Fre)**

SURGERY

Limb lengthening by epiphyseal distraction. Monticelli G, et al. **Int Orthop** 1981;5(2):85–90
Partial epiphyseal arrest and supplemental fixation for progressive correction of congenital spinal deformity. Bradford DS. **J Bone Joint Surg [Am]** 1982 Apr;64(4):610–4
Surgical treatment of partial closure of the growth plate. Langenskiöld A. **J Pediatr Orthop** 1981;1(1):3–11
Intraepiphyseal osteotomy for progressive tibia vara: case report and rationale of management. Siffert RS. **J Pediatr Orthop** 1982 Mar;2(1):81–5
Convex anterior and posterior hemiarthrodesis and hemiepiphyseodesis in young children with progressive congenital scoliosis. Winter RB. **J Pediatr Orthop** 1981; 1(4):361–6
[De-epiphysiodesis and old traumata of the growth apparatus (author's transl)] Desgrippes Y, et al. **Sem Hop Paris** 1982 Jun 17;58(24):1497–501 (Eng. Abstr.) **(Fre)**
[Traumatology of the growth plate] Häring M. **Fortschr Med** 1981 Nov 26;99(44):1858–62 (Eng. Abstr.) **(Ger)**
[The behaviour of autologous spongiosa transplants from the ilial crest with and without fibrinadhesive in the canine femoral epiphysis (author's transl)] Wischhöfer E, et al. **Unfallheilkunde** 1982 Jun;85(6):250–2 (Eng. Abstr.) **(Ger)**

TRANSPLANTATION

[Free microvascular epiphyseal transplantation: experimental study on the dog] Donski PK, et al. **Handchirurgie** 1981; 13(1–2):95–9 (Eng. Abstr.) **(Ger)**

ULTRASTRUCTURE

Ultrastructural evidence of a functional heterogeneity among physeal chondrocytes in growing swine. Wilsman NJ, et al. **Am J Vet Res** 1981 Sep;42(9):1547–53
Ultrastructure of the rat epiphyseal growth plate following chronic ethanol ingestion. Fallon MD, et al. **Calcif Tissue Int** 1981;33(4):381–4
The effect of experimental hypothyrosis on the fine structure of the epiphyseal cartilage of young rats. Gyarmati J Jr, et al. **Gegenbaurs Morphol Jahrb** 1981;127(6):860–8
[Changes in the growth cartilage in osteochondrodysplasias] Slais J, et al. **Cesk Patol** 1981 Nov;17(4):171–4 (Eng. Abstr.) **(Cze)**

EPIPHYSES, SLIPPED

CHEMICALLY INDUCED

[Hormonal treatment of hypophyseal dwarfism, a cause of epiphyseolisthesis capitis femoris? (author's transl)] Möhler W, et al. **Z Orthop** 1981 Feb;119(1):89–91 (Eng. Abstr.) **(Ger)**

COMPLICATIONS

Slipped capital femoral epiphysis in a hypothyroid adult male. Hennessy MJ, et al. **Clin Orthop** 1982 May;(165):204–8
Genu recurvatum in association with slipped capital femoral epiphysis. Gibson PH. **J R Soc Med** 1981 Aug;74(8):626–7
[Acute chondrolysis following slipped capital femoral epiphysis. A study of 41 cases (author's transl)] Lance D, et al. **Rev Chir Orthop** 1981;67(4):437–50 (Eng. Abstr.) **(Fre)**
[Comments on coxa vara infantum with shearing of the epiphysis of the femoral head in Seckel's syndrome (author's transl)] Mitzkat K, et al. **Z Orthop** 1981 Feb; 119(1):85–8 (Eng. Abstr.) **(Ger)**
[Scaglietti's osteotomy and that of Imhauser-Southwick in the sequels of epiphysiolysis. Comparative evaluation] Pellacci F, et al. **Chir Organi Mov** 1981 May–Jun; 66(3):345–53 (Eng. Abstr.) **(Ita)**

DIAGNOSIS

[Slipped capital femoral epiphysis] Sabato S, et al.

Harefuah 1982 Feb 15;102(4):150–2 (Eng. Abstr.) **(Heb)**

[Diagnosis of juvenile epiphysiolysis of the femur head] Kriuk AS, et al. **Ortop Travmatol Protez** 1982 Jan;(1):61–5 **(Rus)**

ETIOLOGY

Radiotherapy changes of the pediatric hip. Libshitz HI, et al. **AJR** 1981 Sep;137(3):585–8

Slipped capital femoral epiphysis following radiation and chemotherapy. Walker SJ, et al. **Clin Orthop** 1981 Sep; (159):186–93

Slipped femoral capital epiphyses in irradiated children: dose, volume and age relationships. Silverman CL, et al. **Int J Radiat Oncol Biol Phys** 1981 Oct;7(10):1357–63

[Adolescent's coxa vara—an attempt towards an etiological view and the possible explanation of endocrine effects (author's transl)] Rubin A, et al. **Acta Chir Orthop Traumatol Cech** 1981;48(6):496–9 (Eng. Abstr.) **(Cze)**

[Epiphysiolysis in a young hemodialyzed child (letter)] Fischbach M, et al. **Nouv Presse Med** 1981 Nov 7; 10(40):3319 **(Fre)**

[Epiphyseolysis as a result of tear on the upper tibia (author's transl)] Jókai I, et al. **Magy Traumatol Orthop Helyreallito Sebesz** 1981; 24(1):28–32 (Eng. Abstr.) **(Hun)**

[Etiopathogenetic research on epiphysiolysis] Gulino G, et al. **Chir Organi Mov** 1981 May–Jun;66(3):339–43 (Eng. Abstr.) **(Ita)**

[Mechanical origin of adolescent epiphysiolysis of the femur head] Kostiuk VP, et al. **Ortop Travmatol Protez** 1982 Feb; (2):35–8 (Eng. Abstr.) **(Rus)**

[Proximal and distal epiphysiolysis occurring during delivery] Lukač R, et al. **Srp Arh Celok Lek** 1980 Oct; 108(10):1067–72 **(Scc)**

FAMILIAL & GENETIC

The inheritance of slipped upper femoral epiphysis. Rennie AM. **J Bone Joint Surg [Br]** 1982;64(2):180–4

[Familial slipped upper femoral epiphyses] Holm-Bentzen M, et al. **Ugeskr Laeger** 1982 Mar 8;144(10):717–8 (Eng. Abstr.) **(Dan)**

[Epiphysiolisthesis of the femur head in 2 brothers] Salmerón Moctezuma J, et al. **Bol Med Hosp Infant Mex** 1981 Jan–Feb;38(1):177–81 (Eng. Abstr.) **(Spa)**

IMMUNOLOGY

Synovial immunofluorescence in patients with slipped capital femoral epiphysis. Morrissy RT, et al. **J Pediatr Orthop** 1981;1(1):55–60

METABOLISM

A histochemical study of slipped capital femoral epiphysis. Ippolito E, et al. **J Bone Joint Surg [Am]** 1981 Sep; 63A(7):1109–13

PATHOLOGY

Chondrolysis complicating slipped capital femoral epiphysis. Ingram AJ, et al. **Clin Orthop** 1982 May;(165):99–109

PHYSIOPATHOLOGY

[Experimental traumatic epiphysiolysis (author's transl)] Farine I, et al. **Rev Chir Orthop** 1981;67(3):175–80 (Eng. Abstr.) **(Fre)**

RADIOGRAPHY

Slipped capital femoral epiphysis at the University Hospital of the West Indies. Ali E, et al. **West Indian Med J** 1981 Dec;30(4):211–4

[The pseudoluxation of the acromio-clavicular joint – a special type of epiphyseolysis (author's transl)] Neu K, et al. **Z Kinderchir** 1981 Sep;34(1):80–2 (Eng. Abstr.) **(Ger)**

REHABILITATION

[Selected orthopedic syndromes in newborn infants, children and adolescents—their therapy and medical rehabilitation] Freude AD. **Z Arztl Fortbild (Jena)** 1981 May 15; 75(10):449–51 **(Ger)**

SURGERY

Osteosynthesis with the hook-pin in slipped capital femoral epiphysis. Hansson LI. **Acta Orthop Scand** 1982 Feb; 53(1):87–96

A retrospective study of 125 cases of slipped capital femoral epiphysis. Kulick RG, et al. **Clin Orthop** 1982 Jan–Feb; (162):87–90

[The significance of periosteal interposition in epiphyseolysis. Part II (author's transl)] Beck E. **Unfallheilkunde** 1982 Jun; 85(6):232–43 **(Ger)**

[The significance of periosteal interposition in epiphyseolysis. Part I (author's transl)] Beck E. **Unfallheilkunde** 1982 Jun; 85(6):226–31 (Eng. Abstr.) **(Ger)**

[Treatment of osteoepiphysiolysis of the distal end of the tibia] Jókai I, et al. **Ortop Travmatol Protez** 1981 Jan; (1):52–3 **(Rus)**

[Surgical treatment method in juvenile epiphysiolysis of the femur head] Korzh AA. **Ortop Travmatol Protez** 1981 Jan; (1):55–6 **(Rus)**

[Treatment of epiphysiolysis in the region of the ankle] Spiššák L, et al. **Rozhl Chir** 1981 Dec;60(12):812–9 (Eng. Abstr.) **(Slo)**

THERAPY

[Distal epiphyseolysis of the femur (author's transl)] Spiššák L, et al. **Acta Chir Orthop Traumatol Cech** 1981 Aug; 48(4):342–8 (Eng. Abstr.) **(Slo)**

EPIPHYSES, STIPPLED see **CHONDRODYSTROPHIA CALCIFICANS CONGENITA**

EPIPHYSIOLYSIS see **EPIPHYSES, SLIPPED**

EPIPHYSIS CEREBRI see **PINEAL BODY**

EPIPODOPHYLLOTOXIN see **PODOPHYLLOTOXIN**

EPIRIZOLE see under **PYRAZOLES**

EPISIOTOMY

How women view postepisiotomy pain [letter] Lau YK. **Br Med J [Clin Res]** 1982 Apr 3;284(6321):1041–2

Episiotomy [letter] Pretorius GP. **Br Med J [Clin Res]** 1982 May 1;284(6325):1332

How women view postepisiotomy pain. Reading AE, et al. **Br Med J [Clin Res]** 1982 Jan 23;284(6311):243–6

Episiotomy [editorial] Russell JK. **Br Med J [Clin Res]** 1982 Jan 23;284(6311):220

The use of a local anaesthetic aerosol spray for the relief of pain after episiotomy. Harrison RF, et al. **Ir Med J** 1982 Jun;75(6):190–1

Anal stretching after obstetrical and gynecological surgery. Neri A, et al. **Isr J Med Sci** 1981 Aug;17(8):709–10

[Efficacy of benzopyrones in posttraumatic inflammations/Clinical double blind study in the postoperative treatment of episiotomy (author's transl)] Pethő A. **Arzneimittelforsch** 1981;31(8):1303–7 (Eng. Abstr.) **(Ger)**

[Endometriosis in an episiotomy scar] Lekin M, et al. **Med Pregl** 1981;34(3–4):171–2 (Eng. Abstr.) **(Scr)**

[Dehiscence of episiotomies at the gynecologic-obstetrical clinic from 1975 to 1980] Lekin M, et al. **Med Pregl** 1981; 34(11–12):541–3 (Eng. Abstr.) **(Scr)**

ADVERSE EFFECTS

Episiotomy [letter] **Br Med J [Clin Res]** 1982 Mar 13; 284(6318):823

Episiotomy [letter] Crawford JS. **Br Med J [Clin Res]** 1982 Feb 20;284(6315):594–5

[Venalot depot in episiotomy. A prospective, consecutive, double-blind study] Pedersen KO, et al. **Ugeskr Laeger** 1982 Jan 11;144(2):92–3 (Eng. Abstr.) **(Dan)**

[Perineal endometriosis in a case of prior delivery with uterine inversion] Bellorini R, et al. **Chir Ital** 1981 Jun; 33(3):812–7 **(Ita)**

[Clinical experience with a molecule with anti-inflammatory action: flurbiprofen] Berti L, et al. **Clin Ter** 1982 Apr 15; 101(1):65–9 **(Ita)**

EDUCATION

Teaching episiotomy incision and repair to medical students and junior residents. Lupe P, et al. **J Med Educ** 1981 Oct; 56(10):866

EPISOMES see **PLASMIDS**

EPISPADIAS

COMPLICATIONS

Adenocarcinoma of the bladder associated with epispadias: case report and update. Altamura MJ, et al. **J Urol** 1982 Feb;127(2):322–4

PATHOLOGY

A rare case of epispadias with normal prepuce. Bhattacharya V, et al. **Plast Reconstr Surg** 1982 Sep;70(3):372–4

SURGERY

Aesthetic reconstructive genital surgery. Horton CE, et al. **Clin Plast Surg** 1981 Apr;8(2):399–406

Correction of total incontinence in male and female epispadias. Kramer SA, et al. **J Pediatr Surg** 1981 Dec; 16(6):812–6

Assessment of urinary continence in epispadias: review of 94 patients. Kramer SA, et al. **J Urol** 1982 Aug;128(2):290–3

[Female epispadias (author's transl)] Moussu J, et al. **J Urol (Paris)** 1981;87(5):305–7 (Eng. Abstr.) **(Fre)**

EPISTASIS, GENETIC

Recurrence risks for autosomal, epistatic two-locus systems: the effects of linkage disequilibrium. Trojak JE, et al. **Am J Med Genet** 1981;9(3):219–29

Epistasis effect: an alternative to the hypothesis of linkage disequilibrium in HLA associated diseases. Clerget-Darpoux F, et al. **Ann Hum Genet** 1980 Oct;44(Pt 2):195–204

Comparative studies of two male recombination factors (MRF) isolated from a Southern Greek Drosophila melanogaster population. Stamatis N, et al. **Genet Res** 1981 Oct;38(2):125–35

The estimation of epistasis in components of fitness in experimental populations of drosophila melanogaster II. Assessment of meiotic drive, viability, fecundity and sexual selection. Clark AG, et al. **Heredity (Edinburgh)** 1981 Jun; 46(3):347–77

The estimation of epistasis in components of fitness in experimental populations of Drosophila melanogaster I. A two-stage maximum likelihood model. Clark AG, et al. **Heredity (Edinburgh)** 1981 Jun;46(3):321–46

Role of sulA and sulB in filamentation by lon mutants of Escherichia coli K-12. Gottesman S, et al. **J Bacteriol** 1981 Oct;148(1):265–73

Interactions between mutations for sensitivity to psoralen photoaddition (pso) and to radiation (rad) in Saccharomyces cerevisiae. Henriques JA, et al. **J Bacteriol** 1981 Oct;148(1):248–56

The regulation of nitrate assimilation in Neurospora crassa: biochemical analysis of the nmr-1 mutants. Dunn-Coleman NS, et al. **MGG** 1981;182(2):234–9

Post-translational modification and processing of Escherichia coli prolipoprotein in vitro. Tokunaga M, et al. **Proc Natl Acad Sci USA** 1982 Apr;79(7):2255–9

[Phenogenetic analysis of recessive epistasis of the or gene over the Bld gene in mice] Nonchev SG, et al. **Genetika (Moskva)** 1981;17(10):1798–804 (Eng. Abstr.) **(Rus)**

[Applied aspects of the concept of epigenes] Churaev RN. **Zh Obshch Biol** 1982 Jan–Feb;43(1):79–87 (Eng. Abstr.) **(Rus)**

EPISTATIC DEVIATION see **EPISTASIS, GENETIC**

EPISTAXIS

CHEMICALLY INDUCED

Epistaxis secondary to oral contraceptive. Man A, et al. **Acta Otolaryngol (Stockh)** 1981 Sep–Oct;92(3–4):383–4

Epistaxis in hypertensive patients taking thioridazine [letter] Idupuganti S. **Am J Psychiatry** 1982 Aug;139(8):1083–4

Epistaxis and liver-function abnormalities associated with exposure to 'butyl' caulk—Kentucky. **MMWR** 1982 May 21;31(19):251–2

DRUG THERAPY

Rhinorrhea due to chromic acid etching in a chromium sensitive person. Fregert S. **Contact Dermatitis** 1982 May; 8(3):219

ETIOLOGY

Traumatic aneurysms of cavernous internal carotid artery with secondary epistaxis. Chambers EF, et al. **AJNR** 1981 Sep–Oct;2(5):405–9

Diagnosis and management of less common causes. Sherrerd PS, et al. **Ear Nose Throat J** 1981 Oct;60(10):59, 62–3, 66

Recurrent epistaxis and 'growths' on lips and nose. Kouskoukis CE, et al. **Hosp Pract** 1982 Jul;17(7):40–1

Hemorrhagic telangiectasia. Ananthasubramaniam G, et al. **J Assoc Physicians India** 1981 May;29(5):425–7

Epistaxis: an overlooked diagnosis in presumed variceal bleeding. Farkas PS, et al. **J Clin Gastroenterol** 1982 Feb; 4(1):49–51

Coagulation studies in children with isolated recurrent epistaxis. Kiley V, et al. **J Pediatr** 1982 Apr;100(4):579–81

Use of estrogen in treatment of familial hemorrhagic telangiectasia. Harrison DF. **Laryngoscope** 1982 Mar; 92(3):314–20

Otorhinolaryngologic presentations of infectious mononucleosis. Snyderman NL. **Trans Pa Acad Ophthalmol Otolaryngol** 1981 Fall; 34(2):179–83

[Epistaxis – not only a laryngological problem] Brzezińska H, et al. **Pol Tyg Lek** 1981 Jul 6;36(27):1011–3 (Eng. Abstr.) **(Pol)**

[Profuse nosebleeds as a result of pseudoaneurysm of the internal carotid artery] Oganesian SS, et al. **Zh Vopr Neirokhir** 1981 Sep–Oct;(5):53–6 **(Rus)**

[Use of balloon catheters in cases of traumatic pseudoaneurysm of the carotid artery complicated by profuse nosebleed] Serbinenko FA, et al. **Zh Vopr Neirokhir** 1981 Nov–Dec;(6):9–16 (Eng. Abstr.) **(Rus)**

OCCURRENCE

Epistaxis in hospitalized patients. A study of a 3-year material from the Oslo population. Nicklasson B, et al. **J Oslo City Hosp** 1981 Nov;31(11):129–32

SURGERY

Surgical Management. Maris C, et al. **Ear Nose Throat J** 1981 Oct;60(10):48–50, 52

[Submucosal resection of the nasal septum with reimplantation of autologous cartilage and bone in recurrent nosebleeds against a background of hypertension] Aksenov VM, et al. **Vestn Otorinolaringol** 1981 Jul–Aug; (4):47–50 (Eng. Abstr.) **(Rus)**

THERAPY

Transcatheter embolization in the management of intractable uremic epistaxis. Gagnon RF, et al. **Can Med Assoc J** 1982 Jan 15;126(2):158–9

Anterior and posterior packing techniques. Blattner RE. **Ear Nose Throat J** 1981 Oct;60(10):33–4, 41, 44

Angiography and embolization. Felker CE 3d. **Ear Nose Throat J** 1981 Oct;60(10):57

Etiology and management. Yonkers AJ, et al. **Ear Nose Throat J** 1981 Oct;60(10):28–9, 31–2

A study of patients with epistaxis requiring admission to hospital. Small M, et al. **Health Bull (Edinb)** 1982 Jan; 40(1):20–9

A rapid nasal packing catheter for emergency evaluation and management of epistaxis. Bloom CY, et al. **J Oral Maxillofac Surg** 1982 May;40(5):317–8

Arterial blood gases and pneumatic nasal packing in epistaxis. Larsen K, et al. **Laryngoscope** 1982 May;92(5):586–8

Posterior epistaxis: comparison of treatment. Wang L, et al. **Otolaryngol Head Neck Surg** 1981 Nov–Dec;89(6):1001–6

Epistaxis management. Johnson JT, et al. **Postgrad Med** 1981 Nov;70(5):231–5

[Emergencies in general medicine (23). Nosebleed] Weidauer H. **ZFA (Stuttgart)** 1982 Jun 20;58(17):970–2 **(Ger)**

[Arrest of persistent post-traumatic nosebleed by occlusion of the terminal branches of the internal maxillary artery] Zberovskaia NV, et al. **Vestn Otorinolaringol** 1981 Nov–Dec;(6):68–9 **(Rus)**

VETERINARY

Epistaxis caused by foreign body penetration of a guttural pouch. Bayly WM, et al. **J Am Vet Med Assoc** 1982 May 15;180(10):1232–4

EPISTROPHEUS see **AXIS**

EPITESTOSTERONE see under **TESTOSTERONE**

EPITHELIAL ATTACHMENT see under **PERIODONTIUM**

EPITHELIOMA see **CARCINOMA**

EPITHELIOMA, BASAL CELL see **CARCINOMA, BASAL CELL**

EPITHELIOMA, BROWN-PEARCE see **CARCINOMA, BROWN-PEARCE**

EPITHELIUM

ANALYSIS

Prolonged incubation time in immunohistochemistry: effects on fluorescence staining of immunoglobulins and epithelial components in ethanol- and formaldehyde-fixed paraffin-embedded tissues. Brandtzaeg P. **J Histochem Cytochem** 1981 Nov;29(11):1302–15

Carbohydrate histochemistry of surface epithelium of rat trachea: backscatter and x-ray imaging. Bodner SM, et al. **Scan Electron Microsc** 1981;(Pt 2):105–14

ANATOMY & HISTOLOGY

Regional variation in respiratory epithelium of the nasal cavity of the bandicoot (Isoodon macrourus). Kratzing JE. **J Anat** 1982 Jan;134(Pt 1):1–9

CYTOLOGY

Airway responsiveness to inhaled mediators: relationship to epithelial thickness and secretory cell number. Yanta MA, et al. **Am Rev Respir Dis** 1981 Sep;124(3):337–40

The adhesion of the yeast Candida albicans to epithelial cells of human origin in vitro. Samaranayake LP, et al. **Arch Oral Biol** 1981;26(10):815–20

Interactions between normal epithelial and squamous carcinoma cells in monolayer culture. Easty GC, et al. **Cancer Res** 1982 Oct;42(10):4248–55

Differential sensitivity of normal and chemically transformed epithelial cells to cholera toxin. Niles RM, et al. **Cancer Res** 1981 Oct;41(10):4075–9

Regulation of terminal differentiation of cultured human keratinocytes by vitamin A. Fuchs E, et al. **Cell** 1981 Sep; 25(3):617–25

Interaction of solid liposomes with epithelial cells. Margolis LB, et al. **Cell Biol Int Rep** 1982 Feb;6(2):131–6

Polygonal cell shape regulation, cell division and specialization in human epithelium. Sawicki W, et al. **Cell Mol Biol** 1982;28(1):43–9

Tracheal epithelium: cell kinetics and differentiation in normal rat tissue. Donnelly GM, et al. **Cell Tissue Kinet** 1982 Mar;15(2):119–30

Differentiated mouse epithelial cell line with hepatocyte characteristics. Levy JA, et al. **Differentiation** 1982; 22(1):12–8

Chironomus tentans epithelial cell lines sensitive to ecdysteroids, juvenile hormone, insulin and heat shock. Wyss C. **Exp Cell Res** 1982 Jun;139(2):309–19

Fluorescent membrane probes and the mechanism of maintenance of cellular asymmetry in epithelia. Dragsten PR, et al. **Fed Proc** 1982 Jan;41(1):48–53

Growth and differentiation of an established rat keratinocyte line in serial culture. Birkedal-Hansen H, et al. **In Vitro** 1981 Jul;17(7):553–62

Involucrin synthesis and tissue assembly by keratinocytes in natural and cultured human epithelia. Banks-Schlegel S, et al. **J Cell Biol** 1981 Sep;90(3):732–7

Influence of collagen gel on the orientation of epithelial cell polarity: follicle formation from isolated thyroid cells and from preformed monolayers. Chambard M, et al. **J Cell Biol** 1981 Oct;91(1):157–66

Modulation of epithelial cell proliferation in culture by dissolved oxygen. Taylor WG, et al. **J Cell Physiol** 1982 Apr;111(1):21–7

Clonal growth of normal human epidermal keratinocytes in a defined medium. Tsao MC, et al. **J Cell Physiol** 1982 Feb;110(2):219–29

Epithelial cell–cell and cell substrate contacts. Overton J, et al. **Scan Electron Microsc** 1981;(Pt 2):297–305 (46 ref.)

Cytotoxic and cytostatic effect of T2-toxin on epithelial cell lines derived from rat liver. Morel-Chany E, et al. **Toxicol Eur Res** 1981 May;3(3):125–9

[Cytoarchitectonics of the epidermis and epidermal proliferating units] Grafova GIa. **Arkh Anat Gistol Embriol** 1982 Apr;82(4):73–85 (50 ref.) **(Rus)**

DRUG EFFECTS

Neoplastic transformation of human epithelial cells in vitro after exposure to chemical carcinogens. Milo GE, et al. **Cancer Res** 1981 Dec;41(12 Pt 1):5096–102

Sodium transport inhibition by amiloride reduces basolateral membrane potassium conductance in tight epithelia. Davis CW, et al. **Science** 1982 Apr 30;216(4545):525–7

ENZYMOLOGY

Glycosyltransferases of the human cervical epithelium. I. Characterization of a beta-galactoside alpha-2-L-fucosyltransferase and the identification of a beta-N-acetylglucosaminide alpha-3-L-fucosyltransferase. Scudder PR, et al. **Biochim Biophys Acta** 1981 Jul 24;660(1):128–35

The mesothelium: a cytochemical study of 'activated' mesothelial cells. Whitaker D, et al. **J Pathol** 1982 Mar; 136(3):169–79

IMMUNOLOGY

Epithelial Membrane Antigen. Its use in the cytodiagnosis of malignancy in serous effusions. To A, et al. **Am J Clin Pathol** 1982 Aug;78(2):214–9

[Detection of a cross-reacting antigen common to multilaminar epithelia and group A streptococcus in cells of human epidermal tumors] Beletskaia LV, et al. **Biull Eksp Biol Med** 1981 Jun;91(6):712–4 (Eng. Abstr.) **(Rus)**

METABOLISM

Sodium-coupled nonelectrolyte transport across epithelia: emerging concepts and directions. Freel RW, et al. **Am J Physiol** 1981 Dec;241(6):G451–60 (80 ref.)

Barrier function of epithelia. Powell DW. **Am J Physiol** 1981 Oct;241(4):G275–88 (177 ref.)

Influence of cellular and paracellular conductance patterns on epithelial transport and metabolism. Essig A. **Biophys J** 1982 May;38(2):143–52

A model of epithelial water transport. The corneal endothelium. Liebovitch LS, et al. **Biophys J** 1981 Aug; 35(2):315–38

A long-lived thymidine pool in epithelial stem cells. Hume WJ, et al. **Cell Tissue Kinet** 1982 Jan;15(1):49–58

Membrane vesicles as tools to elucidate epithelial cell function. Kinne R, et al. **Eur J Cell Biol** 1981 Oct; 25(2):346–52 (26 ref.)

Nuclear magnetic resonance studies of epithelial metabolism and function. Balaban RS. **Fed Proc** 1982 Jan;41(1):42–7 (31 ref.)

Use of noninvasive fluorometry and spectrophotometry to study epithelial metabolism and transport. Mandel LJ. **Fed Proc** 1982 Jan;41(1):36–41

Metabolism of benzo(a)pyrene by human epithelial and fibroblastic cells: metabolite patterns and DNA adduct formation. Bartley J, et al. **J Cell Biochem** 1982; 18(2):135–48

Differences in metabolism of chemical carcinogens in cultured human epithelial tissues and cells. Harris CC, et al. **J Cell Biochem** 1982;18(3):285–94

Fluctuation analysis of short-circuit current in a warm-blooded sodium-retaining epithelium: site current, density, and interaction with triamterene. Christensen O, et al. **J Membr Biol** 1982;65(1–2):19–30

D-Glucose transport across the apical membrane of the surface epithelium in Nereis diversicolor. Gomme J. **J Membr Biol** 1981;62(1–2):29–46

Electrogenic proton transport in epithelial membranes. Steinmetz PR, et al. **J Membr Biol** 1982;65(3):155–74 (102 ref.)

Immunochemical detection of metallothionein in specific epithelial cells of rat organs. Danielson KG, et al. **Proc Natl Acad Sci USA** 1982 Apr;79(7):2301–4

Dynamic aspects of transepithelial active Na transport and oxidative metabolism. Essig A, et al. **Prog Clin Biol Res** 1981;73:37–45

The rheogenic nature of sodium transport in leaky epithelia studied by equivalent circuit analysis. Sackin H, et al. **Prog Clin Biol Res** 1981;73:57–66

Ion transport by epithelia. **Soc Gen Physiol Ser** 1981;36:1–270

Energetics of coupled sodium chloride entry in absorptive cells of leaky epithelia. Armstrong WM, et al. **Soc Gen Physiol Ser** 1981;36:151–62

Sodium entry step in transporting epithelia: results of ligand-binding studies. Cuthbert AW. **Soc Gen Physiol Ser** 1981;36:181–95

Electron microprobe analysis of frog skin epithelium: pathway of transepithelial sodium transport. Rick R, et al. **Soc Gen Physiol Ser** 1981;36:197–208

Role of cytosolic calcium and sodium-calcium exchange in regulation of transepithelial sodium and water absorption. Taylor A. **Soc Gen Physiol Ser** 1981;36:233–59 (117 ref.)

MICROBIOLOGY

Adherence of Candida albicans to human vaginal epithelial cells: inhibition by amino sugars. Segal E, et al. **Exp Cell Biol** 1982;50(1):13–7

Glycolipid receptors for uropathogenic Escherichia coli on human erythrocytes and uroepithelial cells. Leffler H, et al. **Infect Immun** 1981 Dec;34(3):920–9

Induction of Epstein-Barr virus nuclear antigen and DNA synthesis in a human epithelial cell line after Epstein-Barr virus infection. Ben-Bassat H, et al. **J Virol** 1982 Feb; 41(2):703–8

Adherence of fimbriate and non-fimbriate strains of Yersinia enterocolitica to human epithelial cells. Old DC, et al. **Microbiol Immunol** 1981;25(10):993–8

Pleiotropic expression of Epstein--Barr virus DNA in human epithelial cells. Stoerker J, et al. **Proc Natl Acad Sci USA** 1981 Sep;78(9):5852–5

PATHOLOGY

Dysplastic changes in the anal canal epithelium in minor surgical specimens. Fenger C, et al. **Acta Pathol Microbiol Scand [A]** 1981 Nov;89(6):463–5

Dark epithelial cells in preneoplastic lesions of the human respiratory tract. Klein-Szanto AJ, et al. **Cancer** 1982 Jul 1;50(1):107–13

Reactive mesothelial proliferation: a necropsy study. Sheldon CD, et al. **Thorax** 1981 Dec;36(12):901–5

PHYSIOLOGY

Chloride secretion and conductance of teleost opercular membrane: effects of prolactin. Foskett JK, et al. **Am J Physiol** 1982 Mar;242(3):R380–9

Homocellular regulatory mechanisms in sodium-transporting epithelia: avoidance of extinction by 'flush-through'. Schultz SG. **Am J Physiol** 1981 Dec;241(6):F579–90 (60 ref.)

Hormonal regulation of epithelial transport of ions and water. **Ann NY Acad Sci** 1981;372:1–660

Epithelial sheet movement: protein and glycoprotein synthesis. Gipson IK, et al. **Dev Biol** 1982 Jul;92(1):259–62

Epithelial-directed mesenchyme differentiation in vitro model of murine odontoblast differentiation mediated by quail epithelia. Cummings EG, et al. **Differentiation** 1981; 20(1):1–9

The recovery of local transepithelial resistance following single-cell lesions. Hudspeth AJ. **Exp Cell Res** 1982 Apr; 138(2):331–42

Alternative methods for measurement of membrane potentials in epithelia. Leader JP, et al. **Fed Proc** 1982 Jan;41(1):54–9

Single-file diffusion multi-ion mechanism of permeation in paracellular epithelial channels. Salas PJ, et al. **J Membr Biol** 1982;64(1–2):103–12

The mesothelium: its fibrinolytic properties. Whitaker D, et al. **J Pathol** 1982 Apr;136(4):291–9

The relationship between soft tissue attachment, epithelial downgrowth and surface porosity. Squier CA, et al. **J Periodont Res** 1981 Jul;16(4):434–40

Membrane asymmetry in epithelia: is the tight junction a barrier to diffusion in the plasma membrane? Dragsten PR, et al. **Nature** 1981 Dec 24;294(5843):718–22

Regulation of epithelial tight junction permeability by cyclic AMP. Daffey ME, et al. **Nature** 1981 Dec 3; 294(5840):451–3

Inhibition of amiloride-sensitive sodium conductance by indoleamines. Legris GJ, et al. **Proc Natl Acad Sci USA** 1982 Mar;79(6):2046–50

Membrane biophysics. Structure and function in epithelia. **Prog Clin Biol Res** 1981;73:1–313

Th contribution of interfacial phenomena to transient electrical behaviour in epithelial membranes. Bowen SP, et al. **Prog Clin Biol Res** 1981;73:269–82

Activation energy measurements of electrophysiological parameters in epithelial membranes. Dinno MA. **Prog Clin Biol Res** 1981;73:283–300

The Na+-dependent sugar carrier as a sensor of the cellular electrochemical Na+ potential. Kimmich GA. **Prog Clin Biol Res** 1981;73:129–42

Introduction: mucociliary function in mammalian epithelia. Verdugo P. **Prog Clin Biol Res** 1982;80:1–5 (32 ref.)

Impedance analysis in epithelia. Clausen C, et al. **Soc Gen Physiol Ser** 1981;36:79–92

Cellular and shunt pathways in toad urinary bladder: control mechanisms. Finn AL, et al. **Soc Gen Physiol Ser** 1981; 36:61–78

Electrophysiology of chloride-secreting epithelia. Frizzell RA, et al. **Soc Gen Physiol Ser** 1981;36:137-45
Electrical properties of amphibian urinary bladder epithelia. IV. The current-voltage relationship of the sodium channels in the apical cell membrane. Frömter E, et al. **Soc Gen Physiol Ser** 1981;36:31-45
Electrical rectification of the sodium flux across the apical barrier of frog skin epithelium. Helman SI. **Soc Gen Physiol Ser** 1981;36:15-30
Interaction between apical and basolateral membranes during sodium transport across tight epithelia. Lewis SA, et al. **Soc Gen Physiol Ser** 1981;36:93-107
On the use of general network functions in the evaluation of noise spectra obtained from epithelia. Lindemann B, et al. **Soc Gen Physiol Ser** 1981;36:1-13

RADIATION EFFECTS

[Parameters of a cell population synchronized for radiosensitivity studies (author's transl)] Bettega D, et al. **Radiol Med (Torino)** 1981 Oct;67(10):749-55 (Eng. Abstr.) **(Ita)**

TRANSPLANTATION

Stromal-epithelial interactions--I. Induction of prostatic phenotype in urothelium of testicular feminized (Tfm/y) mice. Cunha GR, et al. **J Steroid Biochem** 1981 Dec; 14(12):1317-24

ULTRASTRUCTURE

The epithelium covering Peyer's patches in young milk-fed calves. An ultrastructural and enzyme histochemical investigation. Landsverk T. **Acta Vet Scand** 1981; 22(2):198-210
Ultrastructural analysis of endolymphatic sac biopsies. Biopsy technique and identification of endolympathic sac epithelium. Arenberg IK, et al. **Arch Otolaryngol** 1982 May; 108(5):292-8
Effects of ovarian hormones on cell membranes in the rat uterus. III. The surface carbohydrates at the apex of the luminal epithelium. Murphy CR, et al. **Cell Biophys** 1981 Dec;3(4):305-20
Ultrastructure of the transporting epithelium of tubus ventralis in Tetrodontophora bielanensis Waga (Collembola). Rościszewska E, et al. **Cytobios** 1981; 31(123-124):151-62
Juxtapositional regions of human breast epithelium and fibroblasts in vitro. Fentiman I, et al. **Exp Cell Res** 1982 May;139(1):95-100
Monoclonal antibodies provide specific intramolecular markers for the study of epithelial tonofilament organization. Lane EB. **J Cell Biol** 1982 Mar;92(3):665-73
Expression and distribution of vimentin and keratin filaments in heterokaryons of human fibroblasts and amnion epithelial cells. Laurila P, et al. **J Cell Biol** 1982 Aug;94(2):308-15
Measurement of number and cross-sectional area of basal cell pseudopodia: a new morphometric method. Okagaki T, et al. **J Cell Biol** 1981 Dec;91(3 Pt 1):629-36
3HOH-osmotic water fluxes and ultrastructure of an epithelial syncytium. Brodie DA, et al. **J Membr Biol** 1981; 61(2):107-14
Basal lamina formation by normal and transformed mouse mammary epithelial cells duplicated in vitro. David G, et al. **JNCI** 1981 Sep;67(3):719-28
Methods for isolating and fractionating pigment epithelial cells. Feeney-Burns L, et al. **Methods Enzymol** 1982; 81:95-110
Morphologic aspects of transepithelial transport with special reference to the endoplasmic reticulum. Møllgård K, et al. **Soc Gen Physiol Ser** 1981;36:209-31

EPITOPES see **ANTIGENIC DETERMINANTS**

EPN see under **INSECTICIDES, ORGANOTHIOPHOSPHATE**

EPONYMS

On the pronunciation of proper names. Leider M. **Am J Dermatopathol** 1981 Winter;3(4):387-95
[Lyell's syndrome: Lyell's syndrome or Lyle's syndrome] Kondurtsev VA. **Klin Med (Mosk)** 1982 Feb;60(2):109-10 **(Rus)**
[Eponyms (terms related to authors' names)] Kostić A Dj. **Srp Arh Celok Lek** 1980 Sep;108(9):975-6 **(Scc)**

EPOXIDE HYDRASES see **EPOXIDE HYDROLASES**

EPOXIDE HYDRATASES see **EPOXIDE HYDROLASES**

EPOXIDE HYDROLASES

ANALYSIS

Spectrophotometric assay for mammalian cytosolic epoxide hydrolase using trans-stilbene oxide as the substrate. Hasegawa LS, et al. **Biochem Pharmacol** 1982 Jun 1; 31(11):1979-84
Epoxide hydrolase activity in human skin. O'Neill VA, et al. **Br J Clin Pharmacol** 1981 Oct;12(4):517-21
A sensitive fluorometric assay for epoxide hydratase. Hukkelhoven MW, et al. **FEBS Lett** 1982 Jul 19; 144(1):104-8
Resin embedment of organs and postembedment localization of antigens by immunoperoxidase methods. Kuhlmann WD, et al. **Histochemistry** 1981;72(3):377-89

ANTAGONISTS & INHIBITORS

Inhibition of rat hepatic microsomal epoxide hydrase by heavy- and organometals in vitro. Parkki MG. **Adv Exp Med Biol** 1981;136 Pt A:729-38
Chalcone oxides--potent selective inhibitors of cytosolic epoxide hydrolase. Mullin CA, et al. **Arch Biochem Biophys** 1982 Jul;216(2):423-39
Effects of epoxide hydratase inhibitors in forward and reversion bacterial mutagenesis assay systems. Guest D, et al. **Environ Mutagen** 1980;2(1):27-34

BIOSYNTHESIS

Studies on the biosynthesis of microsomal membrane proteins. Site of synthesis and mode of insertion of cytochrome b5, cytochrome b5 reductase, cytochrome P-450 reductase and epoxide hydrolase. Okada Y, et al. **Eur J Biochem** 1982 Feb;122(2):393-402
Differential inducibility of nuclear envelope epoxide hydratase by trans-stilbene oxide and phenobarbital. Gonzalez FJ, et al. **Mol Pharmacol** 1982 Mar;21(2):511-6

GENETICS

Effects of 2-acetylaminofluorene and N-hydroxy-2-acetylaminofluorene on the cellular levels of epoxide hydratase, cytochrome P-450b, and NADPH-cytochrome c (P-450) oxidoreductase messenger ribonucleic acids. Gonzalez FJ, et al. **J Biol Chem** 1982 Sep 25;257(18):11032-6

ISOLATION & PURIFICATION

The assay of microsomal epoxide hydrolase in normal and pathological human liver. Craven AC, et al. **Biochem Pharmacol** 1982 Apr 1;31(7):1321-4
Conformational study of purified epoxide hydrolase from rat liver. Magdalou J, et al. **Chem Biol Interact** 1982 Mar 15; 39(2):245-56
Human hepatic microsomal epoxide hydrolase. A structural comparison with the rat enzyme. DuBois GC, et al. **J Biol Chem** 1982 Mar 10;257(5):2708-12
Microsomal epoxide hydrolase. Guenthner TM, et al. **Methods Enzymol** 1981;77:344-9

METABOLISM

Monooxygenase and epoxide hydrolase regulation in primary fetal rat liver cell culture. Gielen JE, et al. **Adv Exp Med Biol** 1981;136 Pt A:87-98
Modulation of epoxide hydrolase activity; effect on the activation of benzo[a] pyrene and its covalent binding to DNA in the nucleus. Guenthner TM, et al. **Adv Exp Med Biol** 1981;136 Pt A:705-16
Enzymatic hydration of butadiene monoxide and its importance in the metabolism of butadiene. Malvoisin E, et al. **Adv Exp Med Biol** 1981;136 Pt A:437-44
Benzil, a selective inducer and a potent in vitro activator of microsomal epoxide hydrolase. Seidegård J, et al. **Adv Exp Med Biol** 1981;136 Pt A:717-28
A highly sensitive assay for epoxide hydrolase using an endogenous epoxide as substrate: 16 alpha, 17 alpha-epoxyandrost-4-en-3-one. Oesch F, et al. **Anal Biochem** 1981 Nov 1;117(2):223-30
Interaction of epoxide hydrolase with itself and other microsomal proteins. Guengerich FP, et al. **Arch Biochem Biophys** 1982 May;215(2):462-77
The epoxide hydrolase catalyzed hydrolysis of trans-3-bromo-1,2-epoxycyclohexane. A direct proof for a general base catalyzed mechanism of the enzymatic hydration. Bellucci G, et al. **Biochem Biophys Res Commun** 1981 Oct 15;102(3):838-44
Immuno-electron-microscopic studies on the subcellular distribution of rat liver epoxide hydrolase and the effect of phenobarbitone and 2-acetamidofluorene treatment. Waechter F, et al. **Biochem J** 1982 Mar 15;202(3):677-86
Epoxide hydrolase activity in the mitochondrial and submitochondrial fractions of mouse liver. Gill SS, et al. **Biochem Pharmacol** 1981 Aug 1;30(15):2111-20
Imidazole derivatives as inhibitors of cytochrome P-450-dependent oxidation and activators of epoxide hydrolase in hepatic microsomes from a marine fish. Little PJ, et al. **Biochem Pharmacol** 1981 Oct;30(20):2876-80
Effects of 2- and 3-tert-butyl-4-hydroxyanisole on glutathione S-transferase and epoxide hydrolase activities and sulfhydryl levels in liver and forestomach of mice. Lam LK, et al. **Cancer Res** 1981 Oct;41(10):3940-3
Interindividual comparison of epoxide hydratase and glutathione S-transferase activities in cultured human fibroblasts. Oesch F, et al. **Carcinogenesis** 1980 Apr; 1(4):305-9
Thyroid hormone-induced changes in the hepatic monooxygenase system, heme oxygenase activity and epoxide hydrolase activity in adult male, female and immature rats. Leakey JE, et al. **Chem Biol Interact** 1982 Jul 1;40(3):257-64
Influence of ethanol on hepatic glutathione content and on the activity of glutathione S-transferases and epoxide hydrase in the rat. Hétu C, et al. **Drug Metab Dispos** 1982 May-Jun;10(3):246-50
Metabolism of carbamazepine and its epoxide metabolite in human and rat liver in vitro. Tybring G, et al. **Drug Metab Dispos** 1981 Nov-Dec;9(6):561-4
Oxygenation of arachidonic acid by hepatic monooxygenases. Isolation and metabolism of four epoxide intermediates. Oliw EH, et al. **J Biol Chem** 1982 Apr 10;257(7):3771-81
Metabolism of epoxidized phosphatidylcholine by phospholipase A2 and epoxide hydrolase. Sevanian A, et al. **Lipids** 1981 Nov;16(11):781-9
An immunohistochemical study on the localization and distribution of epoxide hydrolase within livers of untreated rats. Kawabata TT, et al. **Mol Pharmacol** 1981 Nov; 20(3):709-14
Metabolism of the epoxy resin component 2,2-bis[4-(2,3-epoxypropoxy)phenyl]propane, the diglycidyl ether of bisphenol A (DGEBPA) in the mouse. Part II. Identification of metabolites in urine and faeces following a single oral dose of 14C-DGEBPA. Climie IJ, et al. **Xenobiotica** 1981 Jun;11(6):401-24
[Study on epoxide hydrolase in rat hyperplastic nodule and hepatoma during chemical hepatocarcinogenesis induced by 2-acetylaminofluorene (author's transl)] Noda K, et al. **Nippon Shokakibyo Gakkai Zasshi** 1982 Feb;79(2):199-204 (Eng. Abstr.) **(Jpn)**

EPOXY COMPOUNDS see under **ETHERS, CYCLIC**

EPOXY RESINS

Estimating the effect of etching agents on plastic sections. Horobin RW, et al. **J Microsc** 1982 May;126(Pt 2):169-72
The lipid solubility of fixative, staining and embedding media, and the introduction of LX-112 and poly/bed-812 as dehydrants for epoxy resin embedment. Stratton CJ, et al. **Tissue Cell** 1982;14(1):13-24
Modifications of embedding tissues in durcupan ACM (Fluka) based on viscosity index measurements. Mráz P, et al. **Z Mikrosk Anat Forsch** 1982;96(1):130-7
[Technique of inclusion in epoxy resin for alternative photonic and ultrastructural examination (author's transl)] Barioz CM, et al. **Ann Pathol** 1982;2(1):67-70 (Eng. Abstr.) **(Fre)**
[Immunofluorescent studies on plastic (epoxy and glycol methacrylate) embedded biopsies (author's transl)] Felman P, et al. **Ann Pathol** 1981;1(2):156-9 (Eng. Abstr.) **(Fre)**
[Immunofluorescent studies of epoxy-embedded jejunal biopsies in alpha-chain disease (author's transl)] Le Charpentier Y, et al. **Ann Pathol** 1981;1(2):160-2 (Eng. Abstr.) **(Fre)**
[Study of intracytoplasmic immunoglobulins in epoxy embedded tissues by direct immunofluorescent technique (author's transl)] Tulliez M, et al. **Ann Pathol** 1981; 1(2):163-5 (Eng. Abstr.) **(Fre)**
[Microbial settlement of paint- and building-materials in the sphere of drinking water. 8. Communication: Experimental examination of epoxy resin in laboratory tests (author's transl)] Schoenen D, et al. **Zentralbl Bakteriol Mikrobiol Hyg [B]** 1981;173(5):356-64 (Eng. Abstr.) **(Ger)**
[Microbial settlement of paint- and building-materials in the sphere of drinking water. 7. Communication: long time observations in two drinking water reservoirs coated by epoxy resin (author's transl)] Schoenen D, et al. **Zentralbl Bakteriol Mikrobiol Hyg [B]** 1981;173(5):346-55 (Eng. Abstr.) **(Ger)**
[Physical properties of adhesive 4-META resin cement (author's transl)] Nagata K, et al. **Shika Rikogaku Zasshi** 1981 Apr;22(58):143-6 (Eng. Abstr.) **(Jpn)**

ADVERSE EFFECTS

Contact dermatitis in an oil painter. Conde-Salazar L, et al. **Contact Dermatitis** 1982 May;8(3):209-10
Pacemaker dermatitis. Romaguera C, et al. **Contact Dermatitis** 1981 Nov;7(6):333
[Diseases caused by epoxy resins] Konietzko H, et al. **Zentralbl Arbeitsmed Arbeitsschutz Prophyl Ergonomie** 1982 Mar;32(3):86-91 (95 ref.) **(Ger)**
[Contact allergy to epoxy resin hardeners] Rudzki E, et al. **Med Pr** 1981;32(1):59-62 (Eng. Abstr.) **(Pol)**

IMMUNOLOGY

Induction of leucocyte migration inhibitory factor (LIF) by stimulation with free hapten and water-insoluble epoxy resin. Nakano Y, et al. **Clin Exp Immunol** 1981 Aug; 45(2):419-26

TOXICITY

[Observations on the toxicity of epoxy resin and polyamine (author's transl)] Xie SY, et al. **Chung Hua Yu Fang I Hsueh Tsa Chih** 1981 Sep;15(5):304-6 **(Chi)**
[Effect, on the body, of new brands of epoxy resins used in industry] Shevchenko AM, et al. **Gig Tr Prof Zabol** 1981 Jul;(7):43-5 **(Rus)**

EPSTEIN-BARR VIRUS

Presence of Epstein-Barr virus DNA in tonsillar tissues. Břicháček B, et al. **Acta Virol (Praha)** 1981 Nov;

25(6):361-70

Hexose transport in Epstein-Barr virus (EBV) negative lymphoma lines and their EBV converted, virus genome carrying sublines. Siegert W, et al. **Blut** 1981 Nov; 43(5):297-305

Chromosome 14 markers in two Epstein-Barr virus (EBV)-transformed lymphoblastoid cell lines of normal origin differ from the Burkitt lymphoma (BL)-associated 14q+ marker. Manolov G, et al. **Cancer Genet Cytogenet** 1981 Oct;4(2):179-84

Clinical spectrum of lymphoproliferative disorders in renal transplant recipients and evidence for the role of Epstein-Barr virus. Hanto DW, et al. **Cancer Res** 1981 Nov; 41(11 Pt 1):4253-61

Summary: symposium on Epstein-Barr virus-induced lymphoproliferative diseases in immunodeficient patients. Klein G, et al. **Cancer Res** 1981 Nov;41(11 Pt 1):4302-4

Fatal Epstein-Barr virus infection in a child with acute lymphoblastic leukemia in remission. Look AT, et al. **Cancer Res** 1981 Nov;41(11 Pt 1):4280-3

Introduction to Epstein-Barr virus and lymphoproliferative diseases in immunodeficient individuals. Purtilo DT, et al. **Cancer Res** 1981 Nov;41(11 Pt 1):4209

Dehydroepiandrosterone and 16 alpha-bromo-epiandrosterone: inhibitors of Epstein-Barr virus-induced transformation of human lymphocytes. Henderson E, et al. **Carcinogenesis** 1981;2(7):683-6

alpha 2 HS glycoprotein binds to lymphocytes transformed by Epstein-Barr virus. Lewis JG, et al. **FEBS Lett** 1982 Feb 8;138(1):37-9

Immunopathology of the X-linked lymphoproliferative syndrome. Purtilo DT. **Hamatol Bluttransfus** 1981; 26:207-14

Epstein-Barr virus: its site of persistence and its role in the development of carcinomas. Wolf H, et al. **Hamatol Bluttransfus** 1981;26:191-6

Some recent trends in studies of human lymphoid cells: B-cells, Epstein-Barr virus, and transformation. Zeuthen J, et al. **Hamatol Bluttransfus** 1981;26:179-90 (14 ref.)

Activation of the Epstein-Barr virus genome by 5-aza-cytidine in latently infected human lymphoid lines. Ben-Sasson SA, et al. **Int J Cancer** 1981 Aug 15;28(2):131-5

Association of Epstein-Barr virus with nasopharyngeal carcinoma in Alaskan native patients: serum antibodies and tissue EBNA and DNA. Lanier AP, et al. **Int J Cancer** 1981 Sep 15;28(3):301-5

Generation in vitro of EBV-induced specific cytotoxic T cells in autologous serum avoids complications due to self-preferred foetal calf serum-specific T-cell cytotoxicity. Misko IS, et al. **Int J Cancer** 1981;27(4):513-9

Induction of Epstein-Barr virus by an new tumor promoter, teleocidin, compared to induction by TPA. Yamamoto H, et al. **Int J Cancer** 1981 Aug 15;28(2):125-9

Cell surface glycoprotein patterns of two EBV-negative lines and their EBV converted sublines. Koide N, et al. **Intervirology** 1981;16(3):142-8

The detection of Epstein-Barr virus receptors utilizing radiolabelled virus. Koide N, et al. **J Gen Virol** 1981 May; 54(Pt 1):191-5

Virus-associated hemophagocytic syndrome or malignant histiocytosis? [letter] Davson J. **J Pediatr** 1982 Jan; 100(1):172-3

On the dynamics of abrin binding to receptor sites in normal and Epstein Barr Virus transformed lymphocyte cell cultures. Witten M, et al. **J Recept Res** 1981;2(2):175-201

Abnormal responsiveness of rheumatoid B cells to Epstein-Barr virus infection in vitro [letter] Stierle HE, et al. **Lancet** 1981 Dec 12;2(8259):1347

Epstein-Barr virus and chromosomal defects: a family study [letter] Thestrup-Pedersen K, et al. **Lancet** 1981 Sep 19; 2(8247):636-7

Prolonged atypical illness associated with serological evidence of persistent Epstein-Barr virus infection. Tobi M, et al. **Lancet** 1982 Jan 9;1(8263):61-4

Multiple sclerosis and Epstein-Barr virus [letter] Warner HB, et al. **Lancet** 1981 Dec 5;2(8258):1290

Identification of antigenic determinants unique to the surfaces of cells transformed by Epstein-Barr virus. Kintner C, et al. **Nature** 1981 Dec 3;294(5840):458-60

The Epstein-Barr virus: historical, biologic, pathologic and oncologic considerations. Seemayer TA, et al. **Perspect Pediatr Pathol** 1981;6:1-33 (168 ref.)

The Epstein-Barr virus and human lymphoproliferative disorders. Schnipper LE. **Prog Hematol** 1981;12:275-97 (101 ref.)

[Lymphadenitis caused by Epstein-Barr virus and cytomegalovirus] Cuppini R. **Minerva Med** 1982 Apr 7; 73(15):923-8 **(Ita)**

ANALYSIS

Epstein-Barr virus-induced proteins. IV. Characterization of an EBV-associated phosphopolypeptide. Mueller-Lantzsch N, et al. **J Gen Virol** 1981 Aug;55(Pt 2):333-41

Epstein-Barr virus (EBV)-lymphoid cell interactions. I. Quantification of EBV particles required for the membrane immunofluorescence assay and the comparative expression of EBV receptors on different human B, T and null cell lines. Patel P, et al. **J Gen Virol** 1981 Mar;53(Pt 1):1-11

Epstein-Barr virus DNA. X. Direct repeat within the internal direct repeat of Epstein-Barr virus DNA. Cheung A, et al. **J Virol** 1981 Nov;40(2):501-7

Analysis of restriction endonuclease fragments of intracellular Epstein-Barr virus DNA and isoenzymes indicate a common origin of the Raji, NC-37, and F-265 human lymphoid cell lines. Rymo L, et al. **Virology** 1981 Nov;115(1):115-24

DRUG EFFECTS

Replication of Epstein-Barr virus DNA in lymphoblastoid cells treated for extended periods with acyclovir. Colby BM, et al. **Am J Med** 1982 Jul 20;73(1A):77-81

Perspectives on interactions of acyclovir with Epstein-Barr and other herpes viruses. Pagano JS, et al. **Am J Med** 1982 Jul 20;73(1A):18-26 (33 ref.)

Effect of the arginine analog canavanine on the synthesis of Epstein-Barr virus-induced proteins in superinfected Raji cells. Bayliss GJ, et al. **J Virol** 1982 Mar;41(3):1109-11

Epstein-Barr virus-lymphoid cell interactions. III. Effect of concanavalin A and saccharides on Epstein-Barr virus penetration. Khélifa R, et al. **J Virol** 1982 May;42(2):402-10

Inhibitory effect of 1-beta-D-arabinofuranosylthymine on synthesis of Epstein-Barr virus. Yonemura K, et al. **Microbiol Immunol** 1981;25(6):557-63

Mechanism of inhibition of Epstein-Barr virus replication by phosphonoformic acid. Datta AK, et al. **Virology** 1981 Oct 15;114(1):52-9

Effects of 12-O-tetradecanoyl-phorbol-13-acetate on cell proliferation and Epstein-Barr virus DNA replication. Lin JC, et al. **Virology** 1982 Feb;117(1):186-94

ENZYMOLOGY

Characterization of purified Epstein--Barr virus induced deoxyribonucleic acid polymerase: nucleotide turnover, processiveness, and phosphonoacetic acid sensitivity. Grossberger D, et al. **Biochemistry** 1981 Jul 7; 20(14):4049-55

Characterization of the Epstein-Barr virion-associated DNA polymerase as isolated from superinfected and drug-stimulated cells. Clough W, et al. **Biochim Biophys Acta** 1981 Nov 27;656(1):76-85

Synthesis of thymidine kinase (TK) in Epstein-Barr virus-superinfected Raji TK-negative cells. Roubal J, et al. **Intervirology** 1981;15(1):43-8

Cellular and Epstein-Barr virus specific DNA polymerases in virus-producing Burkitt's lymphoma cell lines. Allaudeen HS, et al. **Nucleic Acids Res** 1982 Apr 10; 10(7):2453-65

Incorporation into DNA of the base analog 2-aminopurine by the Epstein-Barr virus-induced DNA polymerase in vivo and in vitro. Grossberger D, et al. **Proc Natl Acad Sci USA** 1981 Dec;78(12):7271-5

GENETICS

Variant translocation in Burkitt's lymphoma: 8;22 translocation in a French patient with an Epstein-Barr virus-associated tumor. Fraisse J, et al. **Cancer Genet Cytogenet** 1981 Mar;3(2):149-53

Chromosomes and cell surface markers of marmoset lymphocytes and Epstein-Barr virus transformed marmoset cell lines. Johnson DR, et al. **Cancer Genet Cytogenet** 1981 Mar;3(2):101-8

Characterization of transformed cells and tumors by proton nuclear magnetic resonance spectroscopy. Mountford CE, et al. **Cancer Res** 1982 Jun;42(6):2270-6

Documentation of Epstein-Barr virus infection in immunodeficient patients with life-threatening lymphoproliferative diseases by Epstein-Barr virus complementary RNA/DNA and viral DNA/DNA hybridization. Saemundsen AK, et al. **Cancer Res** 1981 Nov;41(11 Pt 1):4237-42

Detection of Epstein-Barr viral DNA internal repeats in the nasopharyngeal mucosa of Chinese with IgA/EBV-specific antibodies. Desgranges C, et al. **Int J Cancer** 1982 Jan 15;29(1):87-91

The regulated expression of Epstein-Barr virus. III. Proteins specified by EBV during the lytic cycle. Bayliss GJ, et al. **J Gen Virol** 1981 Sep;56(Pt 1):105-18

Characterization of the major Epstein-Barr virus-specific RNA in Burkitt lymphoma-derived cells. Arrand JR, et al. **J Virol** 1982 Feb;41(2):376-89

Cloning overlapping DNA fragments from the B95-8 strain of Epstein-Barr virus reveals a site of homology to the internal repetition. Buell GN, et al. **J Virol** 1981 Dec; 40(3):977-82

Sequence complexity of circular Epstein-Bar virus DNA in transformed cells. Griffin BE, et al. **J Virol** 1981 Oct; 40(1):11-9

Expression of Epstein-Barr viral early antigen in monolayer tissue cultures after transfection with viral DNA and DNA fragments. Grogan E, et al. **J Virol** 1981 Dec;40(3):861-9

Organization of the Epstein-Barr virus DNA molecule. II. Fine mapping of the boundaries of the internal repeat cluster of B95-8 and identification of additional small tandem repeats adjacent to the HR-1 deletion. Hayward SD, et al. **J Virol** 1982 Jul;43(1):201-12

EBV molecular epidemiology: lack of strain role in disease manifestation [letter] Fischer DK, et al. **N Engl J Med** 1982 Jan 14;306(2):111

New Epstein-Barr virus variants from cellular subclones of P3J-HR-1 Burkitt lymphoma. Heston L, et al. **Nature** 1982 Jan 14;295(5845):160-3

Molecular cloning of the complete Epstein-Barr virus genome as a set of overlapping restriction endonuclease fragments. Arrand JR, et al. **Nucleic Acids Res** 1981 Jul 10;9(13):2999-3014

In vitro transcription of two Epstein-Barr virus specified small RNA molecules. Jat P, et al. **Nucleic Acids Res** 1982 Jun 11;10(11):3407-25

An Epstein--Barr virus early protein induces cell fusion. Bayliss GJ, et al. **Proc Natl Acad Sci USA** 1981 Nov; 78(11):7162-5

Core (2'-5')oligoadenylate and the cordycepin analog: inhibitors of Epstein--Barr virus-induced transformation of human lymphocytes in the absence of interferon. Doetsch PW, et al. **Proc Natl Acad Sci USA** 1981 Nov; 78(11):6699-703

Pleiotropic expression of Epstein--Barr virus DNA in human epithelial cells. Stoerker J, et al. **Proc Natl Acad Sci USA** 1981 Sep;78(9):5852-5

Epstein-Barr virus-induced deoxynuclease and the reutilization of host-cell DNA degradation products in viral DNA replication. Feighny RJ, et al. **Virology** 1981 Dec;115(2):395-400

Host cell reactivation of uv- and X-ray-damaged herpes simplex virus by Epstein-Barr virus (EBV)-transformed lymphoblastoid cell lines. Henderson EE, et al. **Virology** 1981 Dec;115(2):237-48

Epstein-Barr virus-induced early polypeptides in Raji and NC37 cells activated by diterpene ester TPA in combination with N-butyrate. Kawanishi M, et al. **Virology** 1981 Dec;115(2):406-9

GROWTH & DEVELOPMENT

A short-term in vitro assay for promoter substances using human lymphoblastoid cells latently infected with Epstein-Barr virus. Ito Y, et al. **Cancer Lett** 1981 Jun; 13(1):29-37

Antiviral effects of interferon on a somatic cell hybrid between two Burkitt's lymphoma cell lines of different interferon sensitivities. Lidin B, et al. **Infect Immun** 1982 May;36(2):847-9

Induction of the EBV cycle in B-lymphocyte-derived lines is accompanied by increased natural killer (NK) sensitivity and the expression of EBV-related antigen(s) detected by the ADCC reaction. Patarroyo M, et al. **Int J Cancer** 1980 Sep 15;26(3):365-71

Effect of protease inhibitors on the activation of Epstein-Barr virus repressed in cultured lymphoid cells. Morigaki T, et al. **Intervirology** 1981;16(1):49-52

The relationship between tumor promoter binding and Epstein-Barr virus induction in human lymphoblastoid cell lines. Yamamoto N, et al. **J Cell Physiol** 1981 Dec; 109(3):397-402

Induction of Epstein-Barr virus nuclear antigen and DNA synthesis in a human epithelial cell line after Epstein-Barr virus infection. Ben-Bassat H, et al. **J Virol** 1982 Feb; 41(2):703-8

Epstein-Barr virus RNA. VIII. Viral RNA in permissively infected B95-8 cells. Hummel M, et al. **J Virol** 1982 Jul; 43(1):262-72

Persistence of transforming and nontransforming Epstein-Barr virus in high passages of P3HR-1 cell lines. Gerber P, et al. **JNCI** 1982 Sep;69(3):585-90

Human lymphoma-lymphoma hybrids and lymphoma-leukemia hybrids. II. Epstein-Barr virus induction patterns. Klein G, et al. **JNCI** 1982 Feb; 68(2):197-202

Production of infectious Epstein--Barr virus in mouse lymphocytes. Volsky DJ, et al. **Nature** 1981 Oct 1; 293(5831):399-401

Epstein-Barr virus infection and neoplasia. Sprinkle PM, et al. **Otolaryngol Head Neck Surg** 1981 Jul-Aug;89(4):542-4

Epstein-Barr virus induction by a serum factor. I. Induction and cooperation with additional inducers. Bauer G, et al. **Virology** 1982 Aug;121(1):184-94

Infection of the human T-cell-derived leukemia line Molt-4 by Epstein-Barr virus (EBV): induction of EBV-determined antigens and virus reproduction. Shapiro IM, et al. **Virology** 1982 Jul 15;120(1):171-81

Changes in the expression of Fc receptor produced by induction of Epstein-Barr virus in lymphoma cell lines. Yee C, et al. **Virology** 1982 Jul 30;120(2):376-82

IMMUNOLOGY

Serological follow-up of children with infectious mononucleosis caused by Epstein-Barr virus. Timár L, et al. **Acta Paediatr Acad Sci Hung** 1981;22(3):243-9

An EBV-associated, Swedish case of Burkitt-type malignant lymphoma. Biberfeld P, et al. **Acta Pathol Microbiol Scand [A]** 1981 Nov;89(6):417-24

EBV-IgA and new heterophile antibody tests in diagnosis of infectious mononucleosis. Evans AS, et al. **Am J Clin Pathol** 1982 May;77(5):555-60

Epstein-Barr virus antibody in childhood Hodgkin's disease. Shope TC, et al. **Am J Dis Child** 1982 Aug;136(8):701-3

Histological types of nasopharyngeal carcinoma as compared to EBV serology. Krueger GR, et al. **Anticancer Res** 1981; 1(4):187-94

Epstein-Barr virus and a unilateral neck mass. Dudley JP. **Arch Otolaryngol** 1982 Apr;108(4):253-4

Frequencies of Epstein-Barr virus-inducible IgM anti-IgG B lymphocytes in normal children and children with juvenile rheumatoid arthritis. Fong S, et al.

Arthritis Rheum 1982 Aug;25(8):959–65

Prospective study of Epstein Barr virus (EBV) infection during pregnancy. Icart J, et al. **Biomedicine** 1981 Dec; 34(3):160–3

Correlation between mixed lymphocyte cultures and anti-Epstein Barr virus (EBV) antibodies in Hodgkin's disease and non Hodgkin lymphoma patients. Sasiain MC, et al. **Biomedicine** 1981 Oct;35(5):153–6

Epstein–Barr virus antibodies in patients with ataxia–telangiectasia and other immunodeficiency diseases. Joncas JH, et al. **Can Med Assoc J** 1981 Oct 15;125(8):845–9

Enhancement of Epstein–Barr virus–induced transformation of human lymphocytes by teleocidin. Hoshino HO, et al. **Cancer Lett** 1981 Sep;13(4):275–80

Establishment and characterization of an Epstein–Barr virus–negative lymphoma B–cell from a patient with a diffuse large cell lymphoma. Dillman RO, et al. **Cancer Res** 1982 Apr;42(4):1368–73

Epstein–Barr virus–specific serology in immunologically compromised individuals. Henle W, et al. **Cancer Res** 1981 Nov;41(11 Pt 1):4222–5

T–cell response to B–cells and Epstein–Barr virus antigens in infectious mononucleosis. Klein E, et al. **Cancer Res** 1981 Nov;41(11 Pt 1):4210–5

Cell–mediated immune reactions in three patients with malignant lymphoproliferative diseases in remission and abnormally high Epstein–Barr virus antibody titers. Masucci MG, et al. **Cancer Res** 1981 Nov;41(11 Pt 1):4292–301

Cellular immune defects to Epstein–Barr virus–determined antigens in young males. Masucci MG, et al. **Cancer Res** 1981 Nov;41(11 Pt 1):4284–91

Diverse familial malignant tumors and Epstein–Barr virus. Purtilo DT, et al. **Cancer Res** 1981 Nov;41(11 Pt 1):4248–52

Documentation of Epstein–Barr virus infection in immunodeficient patients with life–threatening lymphoproliferative diseases by clinical, virological, and immunopathological studies. Purtilo DT, et al. **Cancer Res** 1981 Nov;41(11 Pt 1):4226–36

Epstein–Barr virus in a malignant lymphoproliferative disorder of B–cells occurring after thymic epithelial transplantation for combined immunodeficiency. Reece ER, et al. **Cancer Res** 1981 Nov;41(11 Pt 1):4243–7

Long–term T–cell–mediated immunity to Epstein–Barr virus. Rickinson AB, et al. **Cancer Res** 1981 Nov;41(11 Pt 1):4216–21

Natural and antibody–dependent cell–mediate cytotoxicity to cultured target cells superinfected with Epstein–Barr virus. Takasugi M, et al. **Cancer Res** 1982 Apr; 42(4):1208–14

Immunoglobulin properties of Epstein–Barr virus transformed human umbilical cord and adult peripheral blood lymphocytes. Konowalchuk J, et al. **Cell Immunol** 1982 Feb;67(1):190–6

Anticomplement immunoenzymatic method of detecting Epstein–Barr nuclear antigen in nasopharyngeal carcinoma cells and normal epithelial cells. Zeng Y, et al. **Chin Med J [Engl]** 1981 Oct;94(10):663–8

In vitro blastogenic responses of peripheral lymphocytes from marmosets to phytohemagglutinin and to autologous lymphocytes transformed by Epstein–Barr virus. Sundar SK, et al. **Comp Immunol Microbiol Infect Dis** 1981; 4(1):35–45

Analysis of DR–like molecules on a marmoset Epstein–Barr virus–induced cell line using a monomorphic anti–human HLA–DR monoclonal antibody. Teillaud JL, et al. **Eur J Immunol** 1982 May;12(5):446–8

Cytolytic human T–cell clones expressing Epstein–Barr virus specificity and HLA restriction. Sethi KK, et al. **Immunobiology** 1981;160(3–4):274–88

Differentiation of members of the human herpesviridae family by radioimmunoassay. Smith KO, et al. **Infect Immun** 1981 Aug;33(2):491–7

A prospective study on infectious mononucleosis in childhood--symptoms, serology, Epstein–Barr–Virus specific leukocyte migration inhibition. Timár L, et al. **Infection** 1982;10(3):139–43

EBV infection of mitogen–stimulated human B lymphocytes. Einhorn L, et al. **Int J Cancer** 1981 Feb 15;27(2):181–3

Final case reporting from the Ugandan prospective study of the relationship between EBV and Burkitt's lymphoma. Geser A, et al. **Int J Cancer** 1982 Apr 15;29(4):397–400

Mechanisms of enhancement of Epstein–Barr virus–induced transformation of peripheral blood lymphocytes by a tumor promoter, TPA, with special reference to lowering of cytotoxicity of T cells. Harada S, et al. **Int J Cancer** 1981 May 15;27(5):617–23

Complement–fixing antibody to Epstein–Barr virus soluble antigen in populations at high and low risk for nasopharyngeal carcinoma. Levine PH, et al. **Int J Cancer** 1982 Mar 15;29(3):265–8

Generation in vitro of HLA–restricted EB virus–specific cytotoxic human T cells by autologous lymphoblastoid cell lines: the role of previous EB virus infection and foetal calf serum. Misko IS, et al. **Int J Cancer** 1982 Jan 15; 29(1):41–8

Epstein–Barr virus strain– and group–specific antigenic determinants detected by monoclonal antibodies. Mueller–Lantzsch N, et al. **Int J Cancer** 1981 Sep 15; 28(3):321–7

Reactivation of Epstein–Barr virus–specific cytotoxic T cells by in vitro stimulation with the autologous lymphoblastoid cell line. Rickinson AB, et al. **Int J Cancer** 1981 May 15; 27(5):593–601

Monoclonal antibodies to Epstein–Barr virus–induced, transformation–associated cell surface antigens: binding patterns and effect upon virus–specific T–cell cytotoxicity. Rowe M, et al. **Int J Cancer** 1982 Apr 15;29(4):373–81

Antibodies to Epstein–Barr virus–specific antigens in patients with hairy–cell leukemia. Sakamoto K, et al. **Int J Cancer** 1981;27(4):453–8

Establishment of human cytotoxic T–cell lines specific for Epstein–Barr virus–transformed autologous cells. Sugamura K, et al. **Int J Cancer** 1981 Aug 15;28(2):137–42

Steroids inhibit tumor promoting agent induced Epstein–Barr virus early antigens in Raji cells. Sundar SK, et al. **Int J Cancer** 1981 Oct 15;28(4):503–7

Migration inhibition caused by EBV–specific 48K subcomponent of EBNA and the associated 53K cellular protein. Szigeti R, et al. **Int J Cancer** 1982 Apr 15; 29(4):413–6

Enhancement of outgrowth of EB virus–transformed cells from normal human peripheral blood by a tumor promoter, TPA. Yamamoto H, et al. **Int J Cancer** 1981 Feb 15; 27(2):161–6

Epstein–Barr virus susceptibility of B cells correlates to the presence of complement receptors but not surface immunoglobulins. Takada K, et al. **Intervirology** 1981; 16(2):118–22

Improved immunofluorescence antigens for detection of immunoglobulin M antibodies to Epstein–Barr viral capsid antigen and antibodies to Epstein–Barr virus nuclear antigen. Gallo D, et al. **J Clin Microbiol** 1982 Feb; 15(2):243–8

Detection of infectious mononucleosis heterophil antibody by a rapid, standardized enzyme–linked immunosorbent assay procedure. Halbert SP, et al. **J Clin Microbiol** 1982 Apr;15(4):610–6

Characteristics of Epstein–Barr virus activation of human B lymphocytes. Bird AG, et al. **J Exp Med** 1981 Sep 1; 154(3):832–9

The spontaneous and induced synthesis of Epstein–Barr virus antigens in Raji cells immobilized on surface coated with anti–lymphocyte globulin. Bayliss GJ, et al. **J Gen Virol** 1981 Jun;54(Pt 2):397–401

Interferon enhances the expression of epstein–barr virus early antigen in Daudi cells. Tovey MG, et al. **J Gen Virol** 1982 May;60(Pt 1):31–8

Immunoglobulin expression by human B lymphocytes clonally transformed by Epstein Barr virus. Brown NA, et al. **J Immunol** 1982 Jan;128(1):24–9

Requirements for the establishment of high–titered human monoclonal antibodies against tetanus toxoid using the Epstein–Barr virus technique. Kozbor D, et al. **J Immunol** 1981 Oct;127(4):1275–80

Heterogeneity of allogeneic restriction of human cytotoxic T cell clones specific for Epstein Barr virus. Tanaka Y, et al. **J Immunol** 1982 Mar;128(3):1241–5

T cell–mediated immunoregulation of Epstein Barr virus–(EBV) induced B lymphocyte activation in EBV–seropositive and EBV–seronegative individuals. Tosato G, et al. **J Immunol** 1982 Feb;128(2):575–9

Molecular interactions in human T cell–mediated cytotoxicity to EBV II. Monoclonal antibody OKT3 inhibits a post–killer–target recognition/adhesion step. Tsoukas CD, et al. **J Immunol** 1982 Oct;129(4):1421–5

B lymphoblast antigen (BB–1) expressed on Epstein–Barr virus–activated B cell blasts, B lymphoblastoid cell lines, and Burkitt's lymphomas. Yokochi T, et al. **J Immunol** 1982 Feb;128(2):823–7

Stimulation with autologous lymphoblastoid cell lines: lysis of Epstein–Barr virus–positive and –negative cell lines by two phenotypically distinguishable effector cell populations. Zarling JM, et al. **J Immunol** 1981 Nov; 127(5):2118–23

Seroepidemiology of Epstein–Barr virus in pregnant women. Fleisher GR, et al. **J Infect Dis** 1982 Apr;145(4):537–41

Epstein–Barr virus membrane antigens: characterization, distribution, and strain differences. Edson CM, et al. **J Virol** 1981 Jul;39(1):172–84

Evidence for two classes of chromatin–associated Epstein–Barr virus–determined nuclear antigen. Spelsberg TC, et al. **J Virol** 1982 Aug;43(2):555–65

Production and characterization of monoclonal antibodies against the Epstein–Barr virus membrane antigen. Strnad BC, et al. **J Virol** 1982 Jan;41(1):258–64

Identification and isolation of the main component (gp350–gp220) of Epstein–Barr virus responsible for generating neutralizing antibodies in vivo. Thorley–Lawson DA, et al. **J Virol** 1982 Aug;43(2):730–6

Detection and characterization of EBV antigens by micro–ELISA and chromatofocusing. Sternås L, et al. **J Virol Methods** 1982 May;4(4–5):229–40

In utero Epstein–Barr virus (infectious mononucleosis) infection. Goldberg GN, et al. **JAMA** 1981 Oct 2; 246(14):1579–81

Fatal lymphohistiocytic proliferation owing to Epstein–Barr virus [letter] Purtilo DT, et al. **JAMA** 1982 Apr 2; 247(13):1811

Epstein–Barr virus–induced lymphoblastoid cell lines from seropositive adult donors and their HLA–antigens. Akiyama N, et al. **Jpn J Exp Med** 1981 Feb;51(1):1–7

Burkitt's lymphoma cell line bearing surface IgA and negative for nuclear antigen of Epstein–Barr virus (EBNA). Hayashi Y, et al. **Jpn J Exp Med** 1980 Dec;50(6):423–34

Evolution of infectious mononucleosis into Epstein–Barr virus carrying monoclonal malignant lymphoma. Abo W, et al. **Lancet** 1982 Jun 5;1(8284):1272–6

Lack of regression in Epstein–Barr virus infected leucocyte cultures of nasopharyngeal carcinoma patients [letter] Chan SH, et al. **Lancet** 1981 Dec 12;2(8259):1353

Immunity to Epstein–Barr virus in cyclosporin A–treated renal allograft recipients [letter] Crawford DH, et al. **Lancet** 1982 Jun 26;1(8287):1469–70

Epstein–Barr–virus–specific T–cell memory in renal–allograft recipients under long–term immunosuppression. Gaston JS, et al. **Lancet** 1982 Apr 24; 1(8278):923–5

Increased (2'–5')–oligo–A synthetase activity in patients with prolonged illness associated with serological evidence of persistent Epstein–Barr virus infection [letter] Morag A, et al. **Lancet** 1982 Mar 27;1(8274):744

Reactivation of Epstein–Barr virus in pregnant women: social factors, and immune competence as determinants of lymphoproliferative diseases–a hypothesis. Purtilo DT, et al. **Med Hypotheses** 1982 Apr;8(4):401–8

Epstein–barr virus VCA IgM and EBNA IgG antibodies titered by immunofluorescence in microplates. A semi–automated method based on microtiter system. Lamy ME, et al. **Med Microbiol Immunol (Berl)** 1982; 170(4):247–53

Epstein–Barr virus, clinical symptomatology and immunodeficiency in non–Hodgkin's lymphoma patients. Fejes M, et al. **Medicina (B Aires)** 1981;41 Suppl:137–40

Defective EBV–specific suppressor T–cell function in rheumatoid arthritis. Tosato G, et al. **N Engl J Med** 1981 Nov 19;305(21):1238–43

Epstein–Barr virus–specific cytotoxic T–cell clones restricted through a single HLA antigen. Wallace LE, et al. **Nature** 1982 Jun 3;297(5865):413–5

Unique cell lines harbouring both Epstein–Barr virus and adult T–cell leukaemia virus, established from leukaemia patients. Yamamoto N, et al. **Nature** 1982 Sep 23; 299(5881):367–9

Infectious mononucleosis and Epstein–Barr virus in Japan. II. Cellular aspects. Takiuchi Y, et al. **Nippon Ketsueki Gakkai Zasshi** 1981 Jul;44(4):864–71

Early antigen titers in pediatric patients with acute cervical lymphadenitis. Boyd EL, et al. **Otolaryngol Head Neck Surg** 1982 Jan–Feb;90(1):6–10

Induction of antibody–producing cell lines by Epstein–Barr virus. Viallat JR, et al. **Pathol Biol (Paris)** 1982 Apr; 30(4):232–42 (67 ref.)

Identification of Epstein–Barr virus strain differences with monoclonal antibody to a membrane glycoprotein. Qualtiere LF, et al. **Proc Natl Acad Sci USA** 1982 Jan; 79(2):616–20

Membrane antigen on Epstein—Barr virus–infected human B cells recognized by a monoclonal antibody. Slovin SF, et al. **Proc Natl Acad Sci USA** 1982 Apr;79(8):2649–53

Epstein–barr–virus nuclear antigen. Vonka V, et al. **Prog Med Virol** 1982;28:145–79 (179 ref.)

Solid–phase radioimmunoassays for Epstein–Barr virus associated antigens. Dölken G, et al. **Ric Clin Lab** 1982 Jan–Mar;12(1):307–12

Epstein–Barr (EB) virus antibodies in rheumatoid arthritis. Ferrell PB, et al. **Springer Semin Immunopathol** 1981; 4(2):181–91

HLA antigens in adults negative for antibody to Epstein–Barr virus (EBV). Edmond E, et al. **Tissue Antigens** 1981 Oct; 18(4):252–7

High incidence of IgG class of Epstein–Barr virus capsid antibody in Indian patients of lepromatous leprosy. Saha K, et al. **Trans R Soc Trop Med Hyg** 1982;76(3):311–3

Induction of Epstein–Barr virus early antigens by intercalating chemicals in B95–8 cells. Yamamoto N, et al. **Virology** 1981 Dec;115(2):390–4

[Anti–complement immunoperoxidase technique in the determination of EBNA antibody level in patients with nasopharyngeal carcinoma (author's transl)] Liu YX. **Chung Hua Chung Liu Tsa Chih** 1982 Feb;4(1):20–2 (Eng. Abstr.) **(Chi)**

[Detection of IgA serum antibodies to EB virus VCA in patients having survived nasopharyngeal cancer for over 15 years (author's transl)] Tang ZH. **Chung Hua I Hsueh Tsa Chih** 1982;62(3):167–9 **(Chi)**

[Antibodies to EB viral capsid antigen in rhesus monkey sera (author's transl)] Liang WS, et al. **Chung Kuo I Hsueh Ko Hsueh Yuan Hsueh Pao** 1980 Dec; 2(4):281 **(Chi)**

[Application of anticomplement immunoenzymatic method for the detection of EBNA in carcinoma cells and normal epithelial cells from nasopharynx (author's transl)] Zeng Y, et al. **Chung Kuo I Hsueh Ko Hsueh Yuan Hsueh Pao** 1980 Dec; 2(4):220–3 (Eng. Abstr.) **(Chi)**

[Dynamics of Epstein–Barr virus antibodies in Hodgkin's disease] Vaněček K, et al. **Cesk Pediatr** 1981 Aug; 36(8):449–52 (Eng. Abstr.) **(Cze)**

[The nasopharyngeal carcinoma and Epstein–Barr virus (EBV) specific IgA (author's transl)] Desgranges C. **Pathol Biol (Paris)** 1981 Dec;29(10):587–9 **(Fre)**

[Leukocyte migration inhibition elicited by Epstein–Barr virus antigen. Reaction potential in infectious mononucleosis as well as in states of immune deficiency and immunosuppression] Szigeti R, et al. **Orv Hetil** 1982

May 16;123(20):1217–21 **(Hun)**
[Leukocyte migration inhibition evoked by Epstein Barr virus antigen. I. Immune response in healthy donors] Szigeti R, et al. **Orv Hetil** 1981 Sep 20;122(38):2327–31 **(Hun)**
[Immunologic protection against Epstein–Barr virus induced oncogenesis: cooperative effect of lymphocytes, antibodies and interferon in healthy individuals (author's transl)] Aya T. **Hokkaido Igaku Zasshi** 1981 Nov;56(6):587–96 (Eng. Abstr.) **(Jpn)**
[Malignant lymphoma of the nasopharynx of non–Burkitt's type—a case report of a patient with positive Epstein–Barr virus–associated nuclear antigen (EBNA) (author's transl)] Takimoto T, et al. **Nippon Jibiinkoka Gakkai Kaiho** 1982 Feb;85(2):145–50 (Eng. Abstr.) **(Jpn)**
[Serological investigation of Epstein–Barr virus antibodies and heterophile antibodies of childhood in Kumamoto Prefecture (author's transl)] Kumagai E, et al. **Rinsho Byori** 1981 Jun;29(6):617–21 **(Jpn)**
[EB virus receptor test] Sairenji T. **Rinsho Byori** 1981 Mar; Suppl 44:192–203 **(Jpn)**
[Seroepidemiology of Epstein–Barr virus] Pannuti CS. **Rev Saude Publica** 1981 Feb;15(1):93–100 (42 ref.) (Eng. Abstr.) **(Por)**

ISOLATION & PURIFICATION

EBV-positive Burkitt's lymphoma from Algeria, with a three-way rearrangement involving chromosomes 2, 8 and 9. Philip T, et al. **Int J Cancer** 1981 Oct 15;28(4):417–20
Epstein–Barr–virus–carrying lymphoma in cardiac transplant recipient [letter] Saemundsen AK, et al. **Lancet** 1982 Jul 17;2(8290):158
The spectrum of Epstein–Barr virus disease. O'Dell JR. **Nebr Med J** 1981 Dec;66(12):275–8
A prospective study of oropharyngeal excretion of Epstein–Barr virus in renal homograft recipients. Chatterjee SN, et al. **Scand J Infect Dis** 1982;14(2):95–8
Analysis of epstein–Barr virus (EBV) of P3HR–1: isolation of EBV with EBNA induction ability in human cord lymphocytes and without EA induction ability in Raji cells. Yano S, et al. **Virology** 1982 Jun;119(2):392–8
Epstein–Barr virus in cerebrospinal fluid during infectious mononucleosis encephalitis. Schiff JA, et al. **Yale J Biol Med** 1982 Jan–Feb;55(1):59–63

METABOLISM

Oropharyngeal Epstein–Barr virus excretion in rheumatoid arthritis. Depper JM, et al. **Arthritis Rheum** 1982 Apr; 25(4):427–31
Difference in viral binding between two Epstein–Barr virus substrains to a spectrum of receptor–positive target cells. Wells A, et al. **Int J Cancer** 1981 Mar 15;27(3):303–9
Inhibitory effect of retinoids on Epstein–Barr virus induction in Raji cells. Zeng Y, et al. **Intervirology** 1981;16(1):29–32
Time of synthesis and cellular location of Epstein–Barr virus–specified polypeptides radioimmunoprecipitated from iododeoxyuridine–induced Burkitt lymphoma/somatic cell hybrids. Durnford JM, et al. **J Gen Virol** 1982 May;60(Pt 1):39–48
Epstein–Barr virus polypeptides: identification of early proteins and their synthesis and glycosylation. Feighny RJ, et al. **J Virol** 1981 Aug;39(2):651–5
Use of fluoresceinated Epstein–Barr virus to study Epstein–Barr virus–lymphoid cell interactions. Khelifa R, et al. **J Virol** 1982 Feb;41(2):649–56
Two large virion envelope glycoproteins mediate Epstein–Barr virus binding to receptor–positive cells. Wells A, et al. **J Virol** 1982 Jan;41(1):286–97
A microassay for quantitatively detecting the Epstein–Barr virus receptor on single cells utilizing flow cytometry. Wells A, et al. **J Virol Methods** 1981 Oct;3(3):127–36
Epstein–barr virus–related DNA–binding proteins induced by n–butyrate in P3HR–1 cells. Sugawara K, et al. **Virology** 1982 Jan 15;116(1):354–8

PATHOGENICITY

Malignant lymphoproliferative diseases induced by Epstein–Barr Virus in immunodeficient patients, including X–linked, cytogenetic, and familial syndromes. Purtilo DT. **Cancer Genet Cytogenet** 1981 Nov;4(3):251–68 (55 ref.)
A new view of the etiology of nasopharyngeal carcinoma. Hirayama T, et al. **Prev Med** 1981 Sep;10(5):614–22
Estimation of B–cells transformed by Epstein–Barr virus in patients with congenital agammaglobulinemia. Tsuchiya S, et al. **Tohoku J Exp Med** 1981 Dec;135(4):379–85
[Epstein–Barr virus infection in the development of human tumors] Kirchner H. **Naturwissenschaften** 1981 Aug; 68(8):418–22 (Eng. Abstr.) **(Ger)**

PHYSIOLOGY

Multiplicity–dependent biological and biochemical properties of Epstein–Barr virus (EBV) rescued from non–producer lines after superinfection with P3HR–1 EBV. Cho MS, et al. **Int J Cancer** 1980 Sep 15;26(3):357–63
Re–evaluation of a transforming strain of Epstein–Barr virus from the Burkitt lymphoma cell line, Jijoye. Sairenji T, et al. **Int J Cancer** 1980 Sep 15;26(3):337–42
Use of Epstein–Barr virus–transformed B cell lines for the generation of immunoglobulin–producing human B cell hybridomas. Chiorazzi N, et al. **J Exp Med** 1982 Sep 1; 156(3):930–5
Epstein–Barr virus (EBV)–lymphoid cell interactions. I. Quantification of EBV particles required for the membrane immunofluorescence assay and the comparative expression of EBV receptors on different human B, T and null cell lines. Patel P, et al. **J Gen Virol** 1981 Mar;53(Pt 1):1–11
Epstein–Barr virus receptor expression is correlated to cell cycle phase. Wells A, et al. **J Recept Res** 1981;2(3):285–98
Filamentous structures associated with Epstein–Barr virus–infected cells. Moore CL, et al. **J Virol** 1982 Jul; 43(1):305–13
Analysis of the transformation of human lymphocytes by Epstein–Barr virus III. Induction of early events by P3HR–1 strain without subsequent immortalization. Takada K, et al. **Med Microbiol Immunol (Berl)** 1981;170(1):19–26
Frequencies of specific antibody–producing cells for sheep red blood cells and for phosphorylcholine in human tonsillar B lymphocytes transformed by Epstein–Barr virus. Yoshie O, et al. **Tohoku J Exp Med** 1982 Jul;137(3):233–44

EPTC see under **HERBICIDES, CARBAMATE**

EPULIS, GIANT CELL see **GRANULOMA, GIANT CELL**

EQUILENIN see under **17–KETOSTEROIDS**

EQUILIBRIUM

Further study of physical exercise and locomotor balance compensation after unilateral labyrinthectomy in squirrel monkeys. Igarashi M, et al. **Acta Otolaryngol (Stockh)** 1981 Jul–Aug;92(1–2):101–5
The vestibulospinal system and postural regulation in man. Molina–Negro P, et al. **Adv Otorhinolaryngol** 1982;28:19–32
Clinical correlates of sway in old age—sensory modalities. Brocklehurst JC, et al. **Age Ageing** 1982 Feb;11(1):1–10
The relationship of postural sway in standing to the incidence of falls in geriatric subjects. Fernie GR, et al. **Age Ageing** 1982 Feb;11(1):11–6
Stabilography in neurology. Cernácek J. **Agressologie** 1980; 21(D):25–9
A multiple parameter study of dynamic balance in the frontal and sagittal planes. Dvir Z, et al. **Agressologie** 1981; 22(3):129–34
Electromyographic study of several lower limb muscles during maintenance of dynamic balance in the frontal plane. Dvir Z, et al. **Agressologie** 1982 Apr;23(2):71–3
Studies on postural activity in man. Gantchev GN. **Agressologie** 1980;21(D):35–40
The current state of posturography in neurology. Njiokiktjien C. **Agressologie** 1980;21(D):31–3
Postural imbalance with head extension: improvement by training as a model for ataxia therapy. Brandt T, et al. **Ann NY Acad Sci** 1981;374:636–49
Tullio phenomenon with torsion of the eyes and subjective tilt of the visual surround. Deecke L, et al. **Ann NY Acad Sci** 1981;374:650–5
Early directional influence of visual motion cues on postural control in the falling monkey. Lacour M, et al. **Ann NY Acad Sci** 1981;374:403–11
The role of the plantar mechanoreceptor in equilibrium control. Watanabe I, et al. **Ann NY Acad Sci** 1981; 374:855–64
Selection of talented female gymnasts, aged 8 to 11, on the basis of motor abilities with special reference to balance: a retrospective study. Peltenburg AL, et al. **Int J Sports Med** 1982 Feb;3(1):37–42
Measurement of gait and balance in the elderly. Nayak US, et al. **J Am Geriatr Soc** 1982 Aug;30(8):516–20
Locomotor balance performance of short–tailed squirrel monkeys. Igarashi M, et al. **J Med Primatol** 1981; 10(2–3):136–40
Common efferents to lateral line and labyrinthine hair cells in aquatic vertebrates. Claas B, et al. **Neurosci Lett** 1981 Dec 23;27(3):231–5
Monoaminergic mechanisms mediating asymmetry after unilateral labyrinthectomy in the frog. Barth RD. **ORL J Otorhinolaryngol Relat Spec** 1982;44(4):226–31
Influence of passive and active vestibular stimulation on balance of young children. Gabert TE, et al. **Percept Mot Skills** 1982 Apr;54(2):548–50
Balance performance under varied conditions of sensory cues. Shick J. **Percept Mot Skills** 1982 Jun;54(3):951–4
Balance loss and recovery: a suggested approach to treatment. Smyth L. **Physiotherapy** 1981 Jul;67(7):208
Balance and anxiety. Silbermann I. **Psychoanal Study Child** 1981;36:365–78
[Adaptability of equilibrium mechanisms as a function of the level of wakefulness: displacement of the center of gravity of the body according to the stages of sleep] Sugawara M, et al. **Agressologie** 1980;21(D):83–8 (Eng. Abstr.) **(Fre)**
[Tilt, life and falling sensations in neurotically disturbed persons] Stiemerling D. **Z Psychosom Med Psychoanal** 1981 Jul–Sep;27(3):216–33 (Eng. Abstr.) **(Ger)**
[Studies on the indication of body sway measured by the movement of the gravity centre (author's transl)] Sakamoto H, et al. **Nippon Eiseigaku Zasshi** 1981 Feb;35(6):821–30 (Eng. Abstr.) **(Jpn)**
[The influence of optical reversal on standing posture of normal subjects (author's transl)] Maeda H, et al. **Nippon Jibiinkoka Gakkai Kaiho** 1982 May;85(5):542–9 (Eng. Abstr.) **(Jpn)**
[Body sway stabilization induced during periodic saccades (author's transl)] Hashimoto M. **Nippon Seirigaku Zasshi** 1981;43(3):73–83 (Eng. Abstr.) **(Jpn)**
[The role of vegetative reactions in evaluation of the state of balance system in persons working in conditions of altitude (author's transl)] Latkowski B, et al. **Przegl Lek** 1981;38(8):633–5 (Eng. Abstr.) **(Pol)**
[Molecular mechanisms of unbalanced cell death and metabolic mutagenesis] Fradkin GE, et al. **Dokl Akad Nauk SSSR** 1982;264(6):1504–7 **(Rus)**
[Postures, movements and equilibrium functions of rats after flights on biosatellites] Alzikov GS, et al. **Kosm Biol Aviakosm Med** 1981 Nov–Dec;15(6):33–8 (Eng. Abstr.) **(Rus)**

DRUG EFFECTS

Xylene and alcohol involvement of the human equilibrium system. Savolainen K, et al. **Acta Pharmacol Toxicol (Copenh)** 1981 Nov;49(5):447–51
Vestibular ototoxicity in the chick: effects of streptomycin on equilibrium and on ampullary dark cells. Park JC, et al. **Am J Otolaryngol** 1982 Mar–Apr;3(2):117–27
Cocaine potentiates ketamine–induced loss of the righting reflex and sleeping time in mice. Role of catecholamines. Vanderwende C, et al. **J Pharmacol Exp Ther** 1982 Jul; 222(1):122–5
Audiological and vestibular findings in long–term hormonal treatment. Rahko T, et al. **ORL J Otorhinolaryngol Relat Spec** 1981;43(6):328–35
Effects of benactyzine on an equilibrium and multiple response task in rhesus monkeys. Farrer DN, et al. **Pharmacol Biochem Behav** 1982 Apr;16(4):605–9
Haloperidol, catalepsy, and equilibrating functions in the rat: antagonistic interaction of clinging and labyrinthine righting reactions. Schallert T, et al. **Physiol Behav** 1981 Dec;27(6):1077–83
Alcohol and postural imbalance. A force plate study. Thyssen HH, et al. **Z Rechtsmed** 1981;87(4):257–60

EQUILIN see under **17–KETOSTEROIDS**

EQUINE COITAL EXANTHEMA VIRUS see under **HERPESVIRIDAE**

EQUINE INFECTIOUS ANEMIA

COMPLICATIONS

Ataxia in four horses with equine infectious anemia. McClure JJ, et al. **J Am Vet Med Assoc** 1982 Feb 1;180(3):279–83

DIAGNOSIS

Indirect hemagglutination test in equine infectious anemia. Sugiura T, et al. **Can J Comp Med** 1982 Jan;46(1):60–4
Equine lymphosarcoma diagnosed as equine infectious anaemia in a young horse. McConnell S, et al. **Equine Vet J** 1982 Apr;14(2):160–2

IMMUNOLOGY

Antigenic stimulation of T lymphocytes in chronic nononcogenic retrovirus infection: equine infectious anemia. Shively MA, et al. **Infect Immun** 1982 Apr; 36(1):38–46

OCCURRENCE

Serological survey for equine infectious anaemia [letter] Lepherd EE. **Aust Vet J** 1981 Sep;57(9):435–6
Prevalence of equine infectious anaemia (swamp fever) in Guyana. Bamigboye O, et al. **Br Vet J** 1981 Sep–Oct; 137(5):538–40

TRANSMISSION

Studies with equine infectious anemia virus: transmission attempts by mosquitoes and survival of virus on vector mouthparts and hypodermic needles, and in mosquito tissue culture. Williams DL, et al. **Am J Vet Res** 1981 Sep; 42(9):1469–73
Transmission of equine infectious anemia virus from horses without clinical signs of disease. Issel CJ, et al. **J Am Vet Med Assoc** 1982 Feb 1;180(3):272–5
The role of stable flies and mosquitoes in the transmission of equine infectious anemia virus. Cupp EW, et al. **Proc Annu Meet US Anim Health Assoc** 1980;84:362–7

EQUINE INFECTIOUS ANEMIA VIRUS

ANALYSIS

High–performance gel permeation chromatography of proteins in denaturing solvents and its application to the analysis of enveloped virus polypeptides. Montelaro RC, et al. **Anal Biochem** 1981 Jul 1;114(2):398–406
Isolation and comparative biochemical properties of the major internal polypeptides of equine infectious anemia virus. Montelaro RC, et al. **J Virol** 1982 Jun;42(3):1029–38

GENETICS

Persistent infection by equine infectious anemia virus:

asymmetry of nucleotide sequence reiteration in the integrated provirus of persistently infected cells. Cheevers WP, et al. **Virology** 1982 Apr 15;118(1):246–53

GROWTH & DEVELOPMENT

Studies with equine infectious anemia virus: transmission attempts by mosquitoes and survival of virus on vector mouthparts and hypodermic needles, and in mosquito tissue culture. Williams DL, et al. **Am J Vet Res** 1981 Sep; 42(9):1469–73

In vitro host range of equine infectious anemia virus. Benton CV, et al. **Intervirology** 1981;16(4):225–32

Propagation of equine infectious anemia virus in horse cell cultures. Grădinaru DA, et al. **Virologie** 1981 Jan–Mar; 32(1):23–7

IMMUNOLOGY

Hemagglutination-inhibition tests with different strains of equine infectious anemia virus. Sentsui H, et al. **Am J Vet Res** 1981 Nov;42(11):1949–52

Serological survey for equine infectious anaemia [letter] Lepherd EE. **Aust Vet J** 1981 Sep;57(9):435–6

Antigenic stimulation of T lymphocytes in chronic nononcogenic retrovirus infection: equine infectious anemia. Shively MA, et al. **Infect Immun** 1982 Apr; 36(1):38–46

Detection of equine infectious anemia virus in a horse with an equivocal agar gel immunodiffusion test reaction. Issel CJ, et al. **J Am Vet Med Assoc** 1982 Feb 1;180(3):276–8

EQUINE INFLUENZA VIRUS see **ORTHOMYXOVIRUSES TYPE A**

EQUINE RHINOPNEUMONITIS VIRUS see under **HERPESVIRIDAE**

EQUINE RHINOVIRUS see under **RHINOVIRUSES**

EQUIPMENT AND SUPPLIES

Appraising the health of health risk appraisal [editorial] Fielding JE. **Am J Public Health** 1982 Apr;72(4):337–40

Industrial trials with the Vickers M88 rapid asbestos fibre counter. Jones AD, et al. **Ann Occup Hyg** 1982;25(1):39–51

The doctor's bag. Carson NE, et al. **Aust Fam Physician** 1981 Dec;10(12):966–8

Comparison of Collison and De Vilbiss 65 nebulizers in the generation of aerosols for respiratory disease studies. Yates WD, et al. **Can J Comp Med** 1981 Oct;45(4):406–9

Computer-controlled cycle ergometer. Sherrill DL, et al. **IEEE Trans Biomed Eng** 1981 Oct;28(10):711–3

A note on the simple device for steaming laboratory glassware. Bharucha KH. **Indian J Pathol Microbiol** 1981 Apr;24(2):i–iii

Mechanical testing of trabecular bone in knee replacement. Sneppen O, et al. **Int Orthop** 1981;5(4):251–6

Biomedical engineering--priorities for research in external aids. Cottenden AM, et al. **J Biomed Eng** 1981 Oct; 3(4):325–8

The literature of instrument science and technology. Sydenham PH. **J Phys [E]** 1982 May;15(5):487–91

Thwarting thrombogenesis on artificial surfaces [news] Gunby P. **JAMA** 1982 Apr 16;247(15):2079

An apparatus for automatically timing access to food by mice. Nelson W, et al. **Lab Anim Sci** 1982 Feb;32(1):66–9

'How I do it'--head and neck. A targeted problem and its solution. The Beepophone. Shane SM. **Laryngoscope** 1981 Oct;91(10):1756

New law encourages donation of medical instruments. Feinschreiber R. **Med Instrum** 1982 Jan–Feb;16(1):65–6

Surgeons look at medical instrumentation in the twentieth century: progress, problems, and prospects. Part I. Harken DE. **Med Instrum** 1981 Jul–Aug;15(4):222–5

The development of orphan products. Finkel MJ. **N Engl J Med** 1982 Oct 7;307(15):963–4

When a squirt is not enough. Nelson D. **Occup Health Saf** 1982 Mar;51(3):63, 65

The DESEMO customized seating support--custom-molded seating for severely disabled persons. Moore S, et al. **Phys Ther** 1982 Apr;62(4):460–3

A convenient feeder for measurement of consumption of powdered food by rats. Leshem M. **Physiol Behav** 1981 Aug;27(2):391–2

Bionics in spare parts medicine: management and clinical issues. Galletti P. **Proc Eur Dial Transplant Assoc** 1981; 18:708–23

General purpose talking laboratory instrument for the visually handicapped. Salt A, et al. **Rev Sci Instrum** 1980 Dec;51(12):1710–3

[A measuring apparatus for pacemaker interference by electromagnetic fields] van Nimwegen C. **Ned Tijdschr Geneeskd** 1981 Oct 17;125(42):1709–10 **(Dut)**

[A special muscle-bath with membraneoxygenation for a papillary-muscle assay (author's transl)] Krösl P, et al. **Biomed Tech (Berlin)** 1982 Jan–Feb;27(1–2):14–6 (Eng. Abstr.) **(Ger)**

[Setup for the inhalation feed of small laboratory animals with submicron aerosols] Didenko LG, et al. **Gig Sanit** 1982 Apr;(4):72–4 **(Rus)**

[Highly efficient apparatus for gasometric analyses] Gol'denberg AM. **Lab Delo** 1981;(6):374–5 **(Rus)**

[Pneumatic micropipette] Kengerlinskiĭ AI, et al. **Med Tekh** 1982 Mar–Apr;(2):28–31 (Eng. Abstr.) **(Rus)**

['Zemlia-1' device for controlling the protective grounding circuit in medical equipment] Livenson AR, et al. **Med Tekh** 1981 Jul–Aug;(4):47–9 **(Rus)**

[Technical progress in the manufacture of medical instruments and equipment] Logachev IuG, et al. **Med Tekh** 1981 Sep–Oct;(5):3–8 **(Rus)**

[Classification of technical facilities for radionuclide diagnosis] Panfilova NP, et al. **Med Tekh** 1981 Jul–Aug; (4):17–22 **(Rus)**

[Work organization experience of the Medequipment joint research and manufacturing association] Rumiantsev PB, et al. **Med Tekh** 1982 Jan–Feb;(1):35–40 (Eng. Abstr.) **(Rus)**

[Optimal coefficient of overlap of light spots during laser hardening of medical instruments] Stepanova GA, et al. **Med Tekh** 1982 Mar–Apr;(2):36–8 (Eng. Abstr.) **(Rus)**

[Routine health inspection of permanent equipment parks of military units] Diachok VK, et al. **Voen Med Zh** 1982 May; (5):61–3 **(Rus)**

[Decimeter-wave therapy using a portable apparatus] Skurikhina LA, et al. **Vopr Kurortol Fizioter Lech Fiz Kult** 1982 Mar–Apr; (2):68–9 **(Rus)**

ECONOMICS

Leasing with particular reference to cleansing vehicles. Sharman PB. **R Soc Health J** 1982 Apr;102(2):79–82

HISTORY

[Organization of medical provisions for the Russian Army during the War of 1812] Chirkov AI. **Voen Med Zh** 1982 Apr;(4):70–2 **(Rus)**

STANDARDS

User requirements and hygienic equipment. Mitchell J. **Ergonomics** 1981 Nov;24(11):871–88

Jaundice meter: evaluation of new guidelines. Goldman SL, et al. **J Pediatr** 1982 Aug;101(2):253–6

The nurse's role in developing voluntary consensus standards. Beck WC. **Med Instrum** 1981 May–Jun;15(3):163–5

Sterilization process indicators: biological vs chemical. Danielson NE. **Med Instrum** 1982 Jan–Feb;16(1):52

Investigational device exemptions: do they dictate the practice of medicine? Watts C. **Neurosurgery** 1981 Jul; 9(1):97–8

A new dry powder inhaler. Pover GM, et al. **Practitioner** 1982 Mar;226(1365):565–7

[First reflections on the use of the Krupin-Denver valve] Malbrel C, et al. **Bull Soc Ophtalmol Fr** 1982 Apr; 82(4):577–8 **(Fre)**

[Ergonomic characteristics of paint-spray guns used in the construction industry] Metliaev GN, et al. **Gig Sanit** 1982 Mar;(3):72–4 **(Rus)**

SUPPLY & DISTRIBUTION

[Work mechanization in a medical warehouse] Stepanov AA, et al. **Voen Med Zh** 1981 Sep;(9):53 **(Rus)**

VETERINARY

Development and testing of an automated food dispenser for small rodents. DiGirolamo M, et al. **Lab Anim Sci** 1981 Oct;31(5 Pt 1):476–81

EQUIPMENT AND SUPPLIES, HOSPITAL

An alternative delivery position: new delivery chair developed and tested at Kongsberg Hospital. Haukeland I. **Am J Obstet Gynecol** 1981 Sep 15;141(2):115–7

Hot water systems as sources of Legionella pneumophila in hospital and nonhospital plumbing fixtures. Wadowsky RM, et al. **Appl Environ Microbiol** 1982 May;43(5):1104–10

Early warning fire safety. Morehart J. **Dimens Health Serv** 1982 Apr;59(4):28

Survey of critical care nursing practice. Part V. Type of equipment and responsibilities of personnel with regard to equipment. Holmes A. **Heart Lung** 1982 May–Jun; 11(3):242–7

Infection control in perspective: infections due to medical equipment and devices. Valenti WM. **Infect Control** 1981 Jul–Aug;2(4):305–6

Operating theatre water-baths as a cause of pseudomonas septicaemia. Casewell MW, et al. **J Hosp Infect** 1981 Sep; 2(3):237–47

Sterilization. Gröschel D. **J Hosp Infect** 1981 Dec;2(4):295–6

Legionella pneumophila in hospital hot water cylinders [letter] Fischer-Hoch SP, et al. **Lancet** 1982 May 8; 1(8280):1073

An urgent plea for realistic preventive maintenance guidelines. Ben-Zvi S. **Med Instrum** 1982 Mar–Apr; 16(2):115–6

Crash carts [letter] Nobel JJ. **Med Instrum** 1982 May–Jun; 16(3):146–7

[Identification of bacteria from use-surface disinfectant solutions and their sensibility against disinfectants (author's transl)] Dott W, et al. **Zentralbl Bakteriol Mikrobiol Hyg [B]** 1981 Dec; 174(4):314–24 (Eng. Abstr.) **(Ger)**

[Microbiological investigations with decentral dosing apparatuses for disinfectants. Part 1: investigations of cell number (author's transl)] Heinzel M, et al. **Zentralbl Bakteriol Mikrobiol Hyg [B]** 1981 Dec; 174(4):299–313 (Eng. Abstr.) **(Ger)**

[Bathtub stretcher for bathing seriously ill patients] Adamczak P, et al. **Neurol Neurochir Pol** 1981 May–Jun; 15(3):354–6 **(Pol)**

[K-60 equipment system for obtaining apyrogenic distilled water] Tsybul'kin VV, et al. **Med Tekh** 1982 Jan–Feb; (1):52–5 **(Rus)**

ECONOMICS

The wandering patient--an inexpensive solution. MacDonald MK. **Dimens Health Serv** 1982 Apr;59(4):18–9

Update on digital radiology. Martin D. **Dimens Health Serv** 1982 Apr;59(4):40

Hospitals use lease-purchase of equipment as cash alternative. Hogg JR. **Forum (Wash)** 1981 Aug;5(3):10–3

What to buy and how to get it: the cash flow factor. Dickerson JF. **Hospitals** 1982 Jan 16;56(2):99–100

Hospitals must conduct ongoing review of their policies on 'disposables versus reusables'. Levi AH. **Hospitals** 1982 Jan 16;56(2):96–7

STANDARDS

Promises, promises... the legal status of sales talk, Part 1. Barnes G. **Dimens Health Serv** 1981 Oct;58(10):20–1, 23–5

Hazard warning: automatic tissue processors. Hinberg I, et al. **Dimens Health Serv** 1982 Apr;59(4):17

A semidisposable punchblock with the disposable superblade trephine: a good combination with which to obtain donor corneal disc. Völker-Dieben HJ, et al. **Doc Ophthalmol** 1982 Jan 29;52(3-4):447–50

Microbiologic surveillance of the environment and of personnel in the hospital. **Infect Control** 1981 Mar–Apr; 2(2):145–6

A new disposable Bowie-Dick-type test pack for prevacuum high-temperature sterilizers. Rhodes P, et al. **Med Instrum** 1982 Mar–Apr;16(2):117–20

Nursing concerns and hospital product sterilization. Rock RB Jr, et al. **Med Instrum** 1981 May–Jun;15(3):159–62

An operating table support mattress for ophthalmic surgery. Torchia RT. **Ophthalmic Surg** 1982 Jan;13(1):67

Flood replenishment: a new method of processor control. Frank ED, et al. **Radiol Technol** 1980 Nov–Dec;52(3):271–5

A pilot survey of monitoring practice for ultrasonic medical equipment in U.K. hospitals. Chivers RC. **Ultrasound Med Biol** 1982;8(3):317–23

SUPPLY & DISTRIBUTION

ECG recorder distribution and hospital utilization. Haslam KR. **Med Instrum** 1982 Mar–Apr;16(2):111–3

EQUIPMENT DESIGN

see related
DENTAL PROSTHESIS DESIGN
PROSTHESIS DESIGN

Engineering student design projects in a rehabilitation setting. Smith DG, et al. **Am J Occup Ther** 1982 Jun;36(6):396–7

Pediatric patients deserve special instruments, supplies. Gatch G. **AORN J** 1982 Jul;36(1):96–9

Reducing back displacement in the powered reclining wheelchair. Warren CG, et al. **Arch Phys Med Rehabil** 1982 Sep;63(9):447–9

The strength-endurance relationship in skeletal muscle: its application to helmet design. Petrofsky JS, et al. **Aviat Space Environ Med** 1982 Apr;53(4):365–9

Accurate isolated and microprocessor-controlled current source for a wide range of applications. Goovaerts HG, et al. **Med Biol Eng Comput** 1981 Jul;19(4):491–6

[Ergonomic organization of keyboards] Zipp P, et al. **Zentralbl Arbeitsmed Arbeitsschutz Prophyl Ergonomie** 1981 Aug;31(8):326–30 **(Ger)**

[Modular units in medical technology and their compatibility] Gundarov VP, et al. **Med Tekh** 1982 Mar–Apr;(2):13–21 **(Rus)**

INSTRUMENTATION

The modern monitor-defibrillator. A potential source of falsely abnormal ECG recordings. Stein RA, et al. **JAMA** 1981 Oct 9;246(15):1697–8

STANDARDS

An improved design of the pneumatic counter-pressure trousers. Rockwell DD, et al. **Am J Surg** 1982 Mar; 143(3):377–9

ANSI: an imperfect arbiter. Meagher SW. **Occup Health Saf** 1981 Sep;50(9):77–9

EQUIPMENT FAILURE

Repairing the Hickman catheter. Bjeletich J. **Am J Nurs** 1982 Feb;82(2):274

Degeneration and calcification of bioprosthetic cardiac valves. Bioprosthetic tricuspid valve implantation in sheep. Barnhart GR, et al. **Am J Pathol** 1982 Jan;106(1):136–9

Design for failure-engineered system reliability and

occupational hygiene. Churchley AR, et al. **Ann Occup Hyg** 1982;25(1):83–93
Type and timing of permanent pacemaker failure. Reinhart S, et al. **Chest** 1982 Apr;81(4):433–5
Promises, promises... Part 2. Barnes G. **Dimens Health Serv** 1981 Nov;58(11):32–6
Problems patients have using pressurized aerosol inhalers. Crompton GK. **Eur J Respir Dis [Suppl]** 1982;119:101–4
New complication of inflatable penile prosthesis. Fallon B, et al. **Urology** 1981 Oct;18(4):405

EQUIPMENT SAFETY

Pediatric counseling and subsequent use of smoke detectors. Miller RE, et al. **Am J Public Health** 1982 Apr;72(4):392–3
Hazard warning: automatic tissue processors. Hinberg I, et al. **Dimens Health Serv** 1982 Apr;59(4):17
FDA approves more medical devices [news] **JAMA** 1981 Nov 6;246(18):2014
A swimming-pool hazard. Bremner MH. **Med J Aust** 1982 Apr 17;1(8):342–3
[Importance of the new draft of the ordinance TGL 200–0624/01 'Electrotechnical installations in spaces used for medical purposes' for the physician as a public health director] Menz W. **Z Arztl Fortbild (Jena)** 1982 Feb; 76(3):107–9 **(Ger)**

EQUIVALENCY, THERAPEUTIC see **THERAPEUTIC EQUIVALENCY**

ERABUTOXINS see under **HYDROPHID VENOMS**

ERCP see **CHOLANGIOPANCREATOGRAPHY, ENDOSCOPIC RETROGRADE**

EREMOTHECIUM see under **ASCOMYCETES**

ERGASTOPLASM see **ENDOPLASMIC RETICULUM**

ERGOBASIN see **ERGONOVINE**

ERGOCALCIFEROL

ADMINISTRATION & DOSAGE

Experimental ectopic mineralization in young boars I. The role of supplemental vitamin D inthe etiology. Gilka F, et al. **Can J Comp Med** 1981 Jul;45(3):266–70
Annual high-dose vitamin D prophylaxis in Asian immigrants. Stephens WP, et al. **Lancet** 1981 Nov 28; 2(8257):1199–202

ADVERSE EFFECTS

A possible role of vitamin D in the genesis of parenteral-nutrition-induced metabolic bone disease. Shike M, et al. **Ann Intern Med** 1981 Nov;95(5):560–8

ANALOGS & DERIVATIVES

Comparison of vitamin D and 25-hydroxyvitamin D absorption in the rat. Sitrin MD, et al. **Am J Physiol** 1982 Apr;242(4):G326–32
Combined vitamin D parathyroid defect in thalassemia major. Aloia JF, et al. **Arch Intern Med** 1982 Apr;142(4):831–2
Effects of protein modification procedures on the interaction between 25-hydroxyvitamin D and the human plasma binding protein for vitamin D and its metabolites. Kawakami M, et al. **Biochemistry** 1981 Sep 29; 20(20):5881–7
Seasonal fluctuations in serum concentrations of vitamin D metabolites in normal subjects [letter] Need AG, et al. **Br Med J [Clin Res]** 1981 Sep 12;283(6293):732–3
Serum 25-hydroxy vitamin D in coalworkers and surface workers in winter. Shuster S, et al. **Br Med J [Clin Res]** 1982 Feb 6;284(6313):386
Serum levels of 25-hydroxyvitamin D in postmenopausal osteoporosis. Loré F, et al. **Calcif Tissue Int** 1981; 33(5):467–70
Serum calcium regulating hormones in the perinatal period. Seino Y, et al. **Calcif Tissue Int** 1982 Mar;34(2):131–5
Assay for plasma 25-hydroxyvitamin D2 and 25-hydroxyvitamin D3 by 'high-performance' liquid chromatography. Dabek JT, et al. **Clin Chem** 1981 Aug; 27(8):1346–51
Simultaneous determination of 25-hydroxyvitamin D, 24,25-dihydroxyvitamin D, and 1,25-dihydroxyvitamin D in plasma or serum. Jongen MJ, et al. **Clin Chem** 1981 Oct; 27(10):1757–60
An evaluation of stabilizing agents in competitive protein-binding assay for 25-hydroxyvitamin D. Toss G. **Clin Chim Acta** 1981 Dec 24;117(3):361–4
A rapid and simple method for the measurement of plasma 25-hydroxyvitamin D2 and 25-hydroxyvitamin D3 using Sep-Pak C18 cartridges and a single high-performance liquid chromatographic step. Turnbull H, et al. **Clin Chim Acta** 1982 Mar 26;120(1):65–76
25-hydroxyvitamin D in patients with essential hypertension. Kokot F, et al. **Clin Nephrol** 1981 Oct;16(4):188–92
Plasma levels of vitamin D metabolites in diphosphonate-treated rats. Trechsel U, et al. **Clin Sci** 1981 Oct;61(4):471–6
Bone disease in primary biliary cirrhosis: histologic features and response to 25-hydroxyvitamin D. Herlong HF, et al. **Gastroenterology** 1982 Jul;83(1 Pt 1):103–8
Hepatic vitamin D 25-hydroxylase: inhibition by bile duct ligation or bile salts. Bolt MJ, et al. **Hepatology** 1981 Sep–Oct;1(5):436–40
High-performance liquid chromatography of 25-hydroxyvitamin D2 and 25-hydroxyvitamin D3 in human plasma. Use of isotachysterols and a comparison with gas chromatography–mass spectrometry. Trafford DJ, et al. **J Chromatogr** 1981 Dec 11;226(2):351–60
Circulating vitamin D metabolite levels in hypophosphatasia. Whyte MP, et al. **J Clin Endocrinol Metab** 1982 Jul; 55(1):178–80
Urinary excretion of 25-hydroxyvitamin D in health and the nephrotic syndrome. Sato KA, et al. **J Lab Clin Med** 1982 Mar;99(3):325–30
A method for simultaneous determination of 25-hydroxyvitamin D2 and 25-hydroxyvitamin D3 in human plasma by using two steps of high-performance liquid chromatography. Okano T, et al. **J Nutr Sci Vitaminol (Tokyo)** 1981;27(1):43–54
Bone mineral content and serum 25-hydroxyvitamin D concentrations in breast-fed infants with and without supplemental vitamin D: one-year follow-up. Greer FR, et al. **J Pediatr** 1982 Jun;100(6):919–22
Abnormal regulation of circulating 25-hydroxyvitamin D in the Williams syndrome. Taylor AB, et al. **N Engl J Med** 1982 Apr 22;306(16):972–5
Evaluation of 25(OH)D loss in dialysate of children on continuous ambulatory peritoneal dialysis. Guillot M, et al. **Proc Eur Dial Transplant Assoc** 1981;18:290–2
[Intestinal absorption of 25-hydroxy-vitamin D (author's transl)] Wilczek H, et al. **Sb Lek** 1981 Oct;83(10):300–4 (Eng. Abstr.) **(Cze)**
[25-hydroxy-vitamin-D in serum of newborns and infants during continuous oral vitamin D treatment (author's transl)] Kunz C, et al. **Padiatr Padol** 1982;17(2):181–5 (Eng. Abstr.) **(Ger)**
[The binding protein and 25(OH) vitamin D measurement (author's transl)] Lorè F, et al. **Acta Vitaminol Enzymol** 1981;3(2):83–5 (Eng. Abstr.) **(Ita)**
[Seasonal rhythm in 25-hydroxyvitamin D blood levels] Loré F, et al. **Boll Soc Ital Biol Sper** 1981 Jun 15;57(11):1167–9 (Eng. Abstr.) **(Ita)**
[Studies on the measurement of vitamin D derivatives in human plasma. I. A competitive protein binding assay for 25-hydroxyvitamin D in plasma (author's transl)] Dokoh S, et al. **Nippon Naibunpi Gakkai Zasshi** 1981 Sep 20; 57(9):1209–22 (Eng. Abstr.) **(Jpn)**
[Plasma vitamin D metabolites in parathyroid diseases (author's transl)] Unakami H. **Nippon Naibunpi Gakkai Zasshi** 1982 Mar 20;58(3):234–47 (Eng. Abstr.) **(Jpn)**

ANALYSIS

Simplified assay of vitamin D2 in fortified dried milk by using two steps of high-performance liquid chromatography. Okano T, et al. **J Nutr Sci Vitaminol (Tokyo)** 1981; 27(6):539–50

METABOLISM

Discrimination in the metabolism of orally dosed ergocalciferol and cholecalciferol by the pig, rat and chick. Horst RL, et al. **Biochem J** 1982 Apr 15;204(1):185–9
Role of the liver in the homeostasis of calciferol metabolism in the dog. Gascon-Barré M, et al. **Endocrinology** 1982 Feb;110(2):563–70
Demonstration that circulating 1 alpha, 25-dihydroxyvitamin D is loosely regulated in normal children. Stern PH, et al. **J Clin Invest** 1981 Nov;68(5):1374–7

PHARMACODYNAMICS

Vitamin D supplements enhance weight gain and nutritional status in pregnant Asians. Maxwell JD, et al. **Br J Obstet Gynaecol** 1981 Oct;88(10):987–91
The effect of vitamin D restriction and repletion on bone apposition in the rat and its dependence on parathyroid hormone. Tam CS, et al. **Endocrinology** 1981 Nov; 109(5):1448–53
Inhibition of the in vitro growth of Plasmodium falciparum by D vitamins and vitamin D-3 derivatives. Vial HJ, et al. **Mol Biochem Parasitol** 1982 Mar;5(3):189–98
Pathology of experimental atherosclerosis: arterial lesions of chronic phase in rats loaded with vitamin D2 and cholesterol. Okawa H, et al. **Nippon Juigaku Zasshi** 1982 Apr;44(2):241–8

POISONING

Treatment of vitamin D2 poisoning by induction of hepatic enzymes. Iqbal SJ, et al. **Br Med J [Clin Res]** 1982 Aug 21;285(6341):541–2
Acute vitamin D2 (ergocalciferol) toxicosis in horses: case report and experimental studies. Harrington DD. **J Am Vet Med Assoc** 1982 Apr 15;180(8):867–73

THERAPEUTIC USE

Intrauterine vitamin D nutrition and postnatal growth in Asian infants. Brooke OG, et al. **Br Med J [Clin Res]** 1981 Oct 17;283(6298):1024
Corticosteroid-induced osteopenia and vitamin D metabolism. Effect of vitamin D2, calcium phosphate and sodium fluoride administration. Rickers H, et al. **Clin Endocrinol (Oxf)** 1982 Apr;16(4):409–15
The efficacy of vitamin D2 and oral phosphorus therapy in X-linked hypophosphatemic rickets and osteomalacia. Lyles KW, et al. **J Clin Endocrinol Metab** 1982 Feb; 54(2):307–15
[Comparative antirachitic activity of vitamins D2 and D3 in the body of chicks] Valinietse MIu, et al. **Priki Biokhim Mikrobiol** 1981 Sep–Oct;17(5):712–9 (Eng. Abstr.) **(Rus)**
[Use of calcium preparations in complex therapy of salmonellosis and acute dysentery] Bunin KV, et al. **Ter Arkh** 1981;53(10):39–43 (Eng. Abstr.) **(Rus)**

TOXICITY

A lethal hypervitaminosis A syndrome in young monkeys (Macacus fascicularis) following a single intramuscular dose of a water-miscible preparation containing vitamins A, D2 and E. Macapinlac MP, et al. **Int J Vitam Nutr Res** 1981;51(4):331–41

ERGOCORNINE see under **ERGOTOXINE**

ERGOCRISTINE see under **ERGOTOXINE**

ERGOCRYPTINE see under **ERGOTOXINE**

ERGOLINES

ADMINISTRATION & DOSAGE

Lisuride combined with levodopa in advanced Parkinson disease. Lieberman AN, et al. **Neurology (NY)** 1981 Nov; 31(11):1466–9
[Advantage of nicergoline after cardiac surgery in an adult (author's transl)] Zerr C, et al. **Anesth Analg (Paris)** 1982; 38(11–12):621–6 (Eng. Abstr.) **(Fre)**
[Venous perfusion with nicergoline in the treatment of sudden deafness] Gratacap B. **J Fr Otorhinolaryngol** 1982 Jan;31(1):65–7 **(Fre)**

ANALYSIS

High-performance liquid chromatographic determination of pergolide and its metabolite, pergolide sulfoxide, in microbial extracts. Kerr KM, et al. **J Chromatogr** 1981 Dec 4;219(2):317–20

BLOOD

Radioimmunoassay of plasma lisuride in man following intravenous and oral administration of lisuride hydrogen maleate: effect on plasma prolactin level. Hümpel M, et al. **Eur J Clin Pharmacol** 1981;20(1):47–51

CHEMICAL SYNTHESIS

Convenient synthesis of 6-nor-9,10-dihydrolysergic acid methyl ester. Crider AM, et al. **J Pharm Sci** 1981 Dec; 70(12):1319–21

DIAGNOSTIC USE

Impaired insulin secretion in human diabetes mellitus III. The effect of the serotonin antagonist metergoline. Giugliano D, et al. **Diabete Metab** 1981 Dec;7(4):231–4
Prolactin and growth hormone responses to the serotonin antagonist, metergoline, in liver cirrhosis: further evidence for serotoninergic dysfunction. Borzio M, et al. **Horm Metab Res** 1982 May;14(5):277–8

METABOLISM

The pharmacokinetics of lisuride hydrogen maleate in rat, rabbit and rhesus monkey. Humpel M, et al. **Eur J Drug Metab Pharmacokinet** 1981;6(3):207–19
Direct binding of 3H-lisuride to adrenergic and serotonergic receptors. Battaglia G, et al. **Life Sci** 1981 Aug 31; 29(9):909–16
Binding of antiparkinsonian ergot derivatives to the dopamine receptor. Weir RL, et al. **Psychopharmacology (Berlin)** 1981;75(2):119–23

PHARMACODYNAMICS

Displacement of specific serotonin and lysergic acid diethylamide binding by Ergalgin, a new antiserotonin drug. Oelszner W Jr. **Acta Biol Med Ger** 1980; 39(8–9):897–901
Action of lisuride on reserpine-induced muscular rigidity in rats after local application into the striatum, ventricular space or the spinal subarachnoid space. Flosbach CW, et al. **Arzneimittelforsch** 1982;32(5):488–91
The effect of ergocornine, bromocriptine, D-6-methyl-8-ergolinylacetamide and D-6-propyl-8-ergolinylacetamide on the prolactin secretion in goats. Comparison of potency and duration of effect. Krejčí P, et al. **Arzneimittelforsch** 1982; 32(4):365–8
The influence of nicergoline on reaction kinetics of synaptosomal adenosine triphosphatases from porcine brain. Leskovac V, et al. **Arzneimittelforsch** 1981; 31(11):1907–9
Some haemodynamic effects of nicergoline, a new alpha-blocking agent, in the closed-chest anaesthetized dog

as compared with nitroprusside and nitroglycerin. Moore ND, et al. **Arzneimittelforsch** 1981;31(10):1693–8
The influence of nicergoline on reaction kinetics of various forms of cyclic AMP phosphodiesterase. Peričin D, et al. **Arzneimittelforsch** 1981;31(12):2082–5
Effect of haloperidol pre- and post-treatment on the ability of pergolide and bromocriptine to antagonize the gamma-butyrolactone-induced increase in brain dopamine in rats. Fuller RW, et al. **Biochem Pharmacol** 1982 Jun 15; 31(12):2199–200
Stimulation of pre- and postsynaptic dopamine receptors by an ergoline and by partial ergoline. Rabey JM, et al. **Brain Res** 1981 Nov 30;225(2):347–56
Effects of pergolide, a dopamine receptor agonist, and clonidine on cardiovascular responses evoked by activation of peripheral sympathetic outflow in rats. Cavero I. **Clin Exp Hypertens** [A] 1982;4(1–2):221–33
Cardiac effects of pergolide. Leibowitz M, et al. **Clin Pharmacol Ther** 1981 Dec;30(6):718–23
Activation of adenylate cyclase in rat striatum by an ergoline dopamine agonist, pergolide. Wong DT, et al. **Commun Psychopharmacol** 1980;4(4):269–75
Elevation of serum corticosterone concentrations in rats by pergolide and other dopamine agonists. Fuller RW, et al. **Endocrinology** 1981 Oct;109(4):1026–32
Lactation-inhibiting and prolactin-lowering effect of lisuride and bromocriptine: a comparative study. Van Dam LJ, et al. **Eur J Obstet Gynecol Reprod Biol** 1981 Nov; 12(5):323–30
Dopaminergic inhibition of cardiac sympathetic nerve function by pergolide. Barrett RJ, et al. **Eur J Pharmacol** 1982 Jan 8;77(1):79–83
Withdrawal from chronic treatment with metergoline, dl-propranolol and amitriptyline enhances serotonin receptor mediated behaviour in the rat. Stolz JF, et al. **Eur J Pharmacol** 1982 Apr 8;79(1–2):17–22
Reinstatement of festinating forward locomotion by antiserotonergic drugs in rats partially recovered from damage in the region of the nucleus reticularis tegmenti pontis. Chesire RM, et al. **Exp Neurol** 1982 Aug; 77(2):286–94
Stereotyped responses of rats to two 2-halogenoergolines: 2-bromo-alpha-ergocryptine and lergotrile. Bergmann F. **Isr J Med Sci** 1982 Jan;18(1):177–82
Pergolide mesylate: its effects on circulating anterior pituitary hormones in man. Perryman RL, et al. **J Clin Endocrinol Metab** 1981 Oct;53(4):772–8
Differential antagonism by metergoline of the behavioral effects of indolealkylamine and phenethylamine hallucinogens in the rat. Commissaris RL, et al. **J Pharmacol Exp Ther** 1981 Oct;219(1):170–4
The role of dopamine and serotonin in the discriminative stimulus effects of lisuride. White FJ, et al. **J Pharmacol Exp Ther** 1982 May;221(2):421–7
Behavioural effects of long term inhibition of 5-hydroxytryptamine receptors using metergoline. Stolz JF, et al. **J Physiol (Paris)** 1981;77(2–3):385–8
Metergoline as a lactation inhibitor. Cabellaro A Sr, et al. **J Reprod Med** 1982 Apr;27(4):202–6
Biphasic influence of a 8 alpha-amino ergoline, CU 32-085, on striatal dopamine synthesis and turnover in vivo in the rat. Enz A. **Life Sci** 1981 Nov 23;29(21):2227–34
Inhibitory effects of pergolide on peripheral adrenergic neurotransmission in spontaneously hypertensive rats. Hahn RA. **Life Sci** 1981 Dec 14;29(24):2501–9
Potent dopamine agonist activity of a novel ergoline, 6-ethyl-9-oxaergoline (EOE). Martin GE, et al. **Life Sci** 1982 May 24;30(21):1847–56
Dopamine receptor mediated inhibition by pergolide of electrically-evoked 3H-dopamine release from striatal slices of cat and rat: slight effect of ascorbate. Lehmann J, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1981 Aug; 317(1):31–5
Depletion of epinephrine in rat hypothalamus by a dopamine agonist, pergolide. Fuller RW, et al. **Neurochem Res** 1982 Apr;7(4):399–405
Antagonism of the behavioral effects of 2,5-dimethoxy-4-methylamphetamine (DOM) and quipazine by metergoline. Commissaris RL, et al. **Pharmacol Biochem Behav** 1981 Oct;15(4):659–62
Repeated administration of pergolide to rats attenuates the acute elevation of serum corticosterone by pergolide. Fuller RW, et al. **Pharmacol Biochem Behav** 1981 Dec;15(6):933–6
Effects of metergoline on regional serotonin metabolism in the rat brain. Invernizzi R, et al. **Pharmacol Res Commun** 1981 May;13(5):511–6
Inhibition by an ergoline derivative (dopaminergic agonist) of oestradiol-induced adenohypophyseal growth and of the decrease in the hypothalamic ascorbic acid (HAA) concentration in rats. Schreiber V, et al. **Physiol Bohemoslov** 1982;31(2):97–100
Fluid inhibition as a factor in estrogen-induced increase of prostatic weight in castrated rats. Corrales JJ, et al. **Prostate** 1981;2(4):337–58
Effect of metergoline on the diurnal prolactin responses to insulin-induced hypoglycemia in normal men. Nathan RS, et al. **Psychoneuroendocrinology** 1981 Dec;6(4):365–8
Interactions of metergoline with diazepam, quipazine, and hallucinogenic drugs on a conflict behavior in the rat. Commissaris RL, et al. **Psychopharmacology (Berlin)** 1982; 76(3):282–5
Lysergic acid diethylamide (LSD) and lisuride: differentiation of their neuropharmacological actions. White FJ, et al. **Science** 1982 Apr 30;216(4545):535–7
[Hemodynamic study of (nicergoline) about left ventricular heart failure (author's transl)] Drobinski G, et al. **Ann Cardiol Angeiol (Paris)** 1981 May;30(3):211–4 (Eng. Abstr.) (Fre)
[Effects of nicergoline on left ventricular function indexes. Comparative study in normotensive and hypertensive patients] Monassier JP, et al. **Ann Cardiol Angeiol (Paris)** 1982 Mar–Apr;31(2):155–60 (Eng. Abstr.) (Fre)
[Hemodynamic study of nicergoline] Pony JC, et al. **Ann Cardiol Angeiol (Paris)** 1982 Jan–Feb;31(1):67–70 (Fre)
[Effects of a vasodilator, nicergoline, on fetal and placental growth in diabetic gestating rats (author's transl)] Clabaut M, et al. **J Pharmacol** 1982 Apr–Jun;13(2):253–63 (Eng. Abstr.) (Fre)
[Comparative study of femoral vasodilatator effects of naftidrofuryl and nicergoline on dog (author's transl)] Luong TN, et al. **J Pharmacol** 1981 Jul–Sep;12(3):263–75 (Eng. Abstr.) (Fre)
[The effect of alpha receptor-blocking agents on inner ear function (author's transl)] Morgenstern C, et al. **Arch Otorhinolaryngol** 1982;234(3):313–20 (Eng. Abstr.) (Ger)
[Inhibition of puerperal lactation with bromocriptine and methergoline. Clinical evaluation] Albertazzi E, et al. **Riv Ital Ginecol** 1980;59(4–5):435–41 (Eng. Abstr.) (Ita)
[Anti-serotonergic drugs in the puerperium: blocking of lactopoiesis with methergoline] Torre GC, et al. **Riv Ital Ginecol** 1980;59(4–5):451–8 (Eng. Abstr.) (Ita)

THERAPEUTIC USE

Effect of bromocriptine and metergoline in the treatment of hyperprolactinaemic states. Ambrosi B, et al. **Acta Endocrinol (Copenh)** 1982 May;100(1):10–7
Evaluation and treatment of hyperprolactinaemia in women of childbearing age. Marek J, et al. **Acta Univ Palacki Olomuc Fac Med** 1981;101:110–7
Pergolide mesylate: new therapy for Parkinson disease. Tanner CM, et al. **Ann Intern Med** 1982 Apr;96(4):522–3
Reduction in size of prolactin-secreting tumours in men treated with pergolide. Kendall-Taylor P, et al. **Br Med J [Clin Res]** 1982 Aug 14;285(6340):465–7
The use of pergolide, a potent dopamine agonist, in Parkinson's disease. Lieberman AN, et al. **Clin Pharmacol Ther** 1982 Jul;32(1):70–5
Long-term treatment of acromegaly with lisuride: differences of effect on growth hormone and somatomedin. Marek J, et al. **Endokrinologie** 1981 Dec;78(2–3):175–85
Metergoline versus bromocriptine in the prevention of puerperal lactation. A double-blind clinical trial. Scapin F, et al. **Eur J Clin Pharmacol** 1982;22(2):181–3
Usefulness of an alpha-adrenergic blocking agent (nicergoline) in the treatment of diabetic angiopathy of lower limbs. Calvagno M. **Farmaco [Prat]** 1982 Jun; 37(6):200–5
Use of nicergoline in acute myocardial infarction with diastolic hypertension. Triulzi E, et al. **Farmaco [Prat]** 1981 Oct;36(10):449–55
Treatment of hyperprolactinemic states with different drugs: a study with bromocriptine, metergoline, and lisuride. Crosignani PG, et al. **Fertil Steril** 1982 Jan;37(1):61–7
A study of prolactin, follicle-stimulating hormone, and luteinizing hormone in puerperium: spontaneous variations and the effect of metergoline. Falsetti L, et al. **Fertil Steril** 1982 Mar;37(3):397–401
Metergoline in the management of hyperprolactinemic amenorrhea and anovulation. Falsetti L, et al. **Gynecol Obstet Invest** 1982;13(2):108–16
Size reduction of macroprolactinomas by bromocriptine or lisuride treatment. Chiodini P, et al. **J Clin Endocrinol Metab** 1981 Oct;53(4):737–43
Adjuvant treatment of Parkinson's disease with dopamine agonists: open trial with bromocriptine and CU 32-085. Jellinger K. **J Neurol** 1982;227(2):75–88
The use of lisuride, a potent dopamine and serotonin agonist, in the treatment of progressive supranuclear palsy. Neophytides A, et al. **J Neurol Neurosurg Psychiatry** 1982 Mar;45(3):261–3
Lisuride in generalised dystonia and spasmodic torticollis [letter] Bassi S, et al. **Lancet** 1982 Feb 27;1(8270):514–5
Treatment of hyperprolactinaemia with pergolide mesylate: acute effects and preliminary evaluation of long-term treatment. Franks S, et al. **Lancet** 1981 Sep 26; 2(8248):659–61
Pergolide and lisuride for levodopa-induced oscillations [letter] Lees AJ, et al. **Lancet** 1981 Sep 12;2(8246):577
Lisuride versus bromocriptine treatment in Parkinson disease: a double-blind study. LeWitt PA, et al. **Neurology (NY)** 1982 Jan;32(1):69–72
Beneficial effects of lisuride in Meige disease. Micheli F, et al. **Neurology (NY)** 1982 Apr;32(4):432–4
Akinetic mutism from hypothalamic damage: successful treatment with dopamine agonists. Ross ED, et al. **Neurology (NY)** 1981 Nov;31(11):1435–9
Use of lisuride in advanced Parkinson's disease. Potent dopamine and serotonin agonist. Lieberman AN, et al. **NY State J Med** 1981 Nov;81(12):1751–5
[Lisuride in the treatment of sterility and amenorrhoea induced by elevated prolactin levels (author's transl)] Marek J, et al. **Cesk Gynekol** 1981 Sep;46(8):593–600 (Eng. Abstr.) (Cze)
[Lisurid in the treatment of hyperprolactinemia: comments on the article by J. Presl (letter)] Pospíšil O. **Cesk Gynekol** 1980 Nov;45(9):679–81 (Cze)
[Trial of nicergoline in arteriopathies of the lower limbs (apropos of 33 cases)] Debaert M, et al. **Lille Med** 1981 Mar;26(3):140–3 (Fre)
[Haemodynamic and metabolic effects of exercise test in diabetic patients with arteritis treated or not with nicergoline (author's transl)] Boismare F, et al. **Sem Hop Paris** 1981 Sep 18–25;57(33–36):1455–7 (Eng. Abstr.) (Fre)
[Methergoline in the prevention and interruption of puerperal lactation: a multicenter clinico-biological study] Bareggi SR, et al. **Farmaco [Prat]** 1982 Mar;37(3):98–108 (Eng. Abstr.) (Ita)
[Methergoline therapy of hyperprolactinemic amenorrhea. Observations on 22 cases] Rossetti MG, et al. **Minerva Ginecol** 1981 Jun;33(6):586–9 (Ita)
[Neuroendocrine study in 2 children with headache treated with lisuride] D'Artoma G. **Minerva Med** 1982 Mar 24; 73(12):673–6 (Ita)
[Clinical results in the treatment with metergoline in 80 hyperprolactinemic patients] Falsetti L, et al. **Minerva Med** 1981 Sep 22;72(35):2351–4 (Eng. Abstr.) (Ita)
[Current treatment of cerebrovascular disorder with vasoactive drugs] Lebiediewa NW. **Neurol Neurochir Pol** 1981 Jul–Aug;15(4):417–21 (Eng. Abstr.) (Pol)

ERGOMETRIN see **ERGONOVINE**

ERGOMETRINE see **ERGONOVINE**

ERGONOMICS see **HUMAN ENGINEERING**

ERGONOVINE

ADMINISTRATION & DOSAGE

Ergonovine and coronary spasm [letter] Dodek A. **Circulation** 1982 Sep;66(3):680–1

ADVERSE EFFECTS

Immediate appearance of coronary collaterals during ergonovine-induced arterial spasm. Takeshita A, et al. **Chest** 1982 Sep;82(3):319–22
Irreversible coronary occlusion and ergonovine [letter] Cheng TO. **Circulation** 1982 Mar;65(3):640
Irreversible coronary occlusion and ergonovine [letter] Wolf NM, et al. **Circulation** 1982 Jul;66(1):252
Aggravating effect of ergometrine on pyloric antral lesions in indomethacin-treated animals and stimulating effect of this drug on gastric acid secretion. Maeda-Hagiwara M, et al. **Jpn J Pharmacol** 1981 Dec;31(6):891–6

ANALOGS & DERIVATIVES

Efficacy of chronic amiodarone therapy in patients with variant angina pectoris and inhibition of ergonovine coronary constriction. Rutitzky B, et al. **Am Heart J** 1982 Jan;103(1):38–43
Intracoronary nitroglycerin reversal of life-threatening ergonovine maleate-induced coronary artery spasm Tanser PH, et al. **Angiology** 1982 Mar;33(3):206–11
Ergonovine-induced constrictions of epicardial coronary arteries in conscious dogs: alpha-adrenoceptors are not involved. Holtz J, et al. **Basic Res Cardiol** 1982 May-Jun; 77(3):278–91
Ergonovine maleate test in various anginal syndromes. Maresta A, et al. **Eur Heart J** 1981 Apr;2(2):139–46
[Coronary spasm induced by ergonovine maleate] Demoulin JC, et al. **Rev Med Liege** 1981 Oct 15;36(20):756–9 (Fre)
[Indications, contraindications and limitations of the ergonovine maleate test in electrocardiography. Study of 210 cases] Di Lorenzo M, et al. **Boll Soc Ital Cardiol** 1980; 25(9):1085–91 (Ita)
[Usefulness and risks of the ergonovine maleate test in cardiology] Albanese C, et al. **Recenti Prog Med** 1981 Sep; 71(3):331–3 (14 ref.) (Ita)

DIAGNOSTIC USE

Application and safety of outpatient ergonovine testing in accurately detecting coronary spasm in patients with possible variant angina. Ginsburg R, et al. **Am Heart J** 1981 Oct;102(4):698–702
Negative U waves and peaked T waves without ST changes during spontaneous and ergonovine-induced vasospastic angina. Matsuguchi T, et al. **Am Heart J** 1982 May; 103(5):918–20
Variability of electrocardiographic responses to repeated ergonovine provocation in variant angina patients with coronary artery spasm. Whittle JL, et al. **Am Heart J** 1982 Feb;103(2):161–7
Remission of coronary spasm confirmed by angiography and ergometrine provocation: two case reports. Dalal JJ, et al. **Eur Heart J** 1981 Dec;2(6):475–8
Oesophageal spasm and angina: diagnostic value of ergometrine (ergonovine) provocation. Dart AM, et al.

Eur Heart J 1980 Apr;1(2):91–5
Diagnosis of oesophageal spasm by ergometrine provocation. Davies HA, et al. **Gut** 1982 Feb;23(2):89–97
[Ergometrine test in the evaluation of drugs for spastic angina] Bory M, et al. **Arch Mal Coeur** 1981 Aug; 74(8):901–7 (Eng. Abstr.) **(Fre)**
[Unstable stenocardia: the reaction to ergometrine administration] Gratsianskii NA, et al. **Kardiologiia** 1982 Jan;22(1):25–32 (Eng. Abstr.) **(Rus)**
[Unstable angina pectoris: results of repeated ergometrine tests] Gratsianskii NA, et al. **Kardiologiia** 1982 May; 22(5):80–7 (Eng. Abstr.) **(Rus)**
[Diagnostic importance of the ergometrine test in ischemic heart disease] Sidorenko BA, et al. **Kardiologiia** 1981 Aug; 21(8):87–92 (Eng. Abstr.) **(Rus)**

PHARMACODYNAMICS

Further experiments on the pharmacological actions of ergometrine. Mantovani P, et al.
Boll Soc Ital Biol Sper 1981 Jun 30;57(12):1346–51
Involvement of alpha 1- and alpha 2-adrenoceptors in the vasoconstriction caused by ergometrine. Kalkman HO, et al. **Eur J Pharmacol** 1982 Feb 19;78(1):107–11
[Effect of phenoxybenzamine and verapamil on the increase of coronary resistance induced with ergometrine (ergonovine)] Raddino R, et al. **Boll Soc Ital Cardiol** 1980; 25(5):513–20 (Eng. Abstr.) **(Ita)**

POISONING

Accidental administration of ergometrine to newborn infant. Pandey SK, et al. **Br Med J [Clin Res]** 1982 Sep 11; 285(6343):693

THERAPEUTIC USE

Choice of ecbolic and the morbidity of day-case terminations of pregnancy. Garrioch DB, et al.
Br J Obstet Gynaecol 1981 Oct;88(10):1029–32

ERGOSTEROL

ANALOGS & DERIVATIVES

Involvement of cytochrome P-450 in delta 22-desaturation in ergosterol biosynthesis of yeast. Hata S, et al.
Biochem Biophys Res Commun 1981 Nov 16;103(1):272–7
Asymmetric transbilayer distribution of sterol across plasma membranes determined by fluorescence quenching of dehydroergosterol. Hale JE, et al. **Eur J Biochem** 1982 Mar 1;122(3):649–61
Use of a fluorescent sterol to probe the transbilayer distribution of sterols in biological membranes. Schroeder F. **FEBS Lett** 1981 Nov 30;135(1):127–30
High-performance liquid chromatography of 25-hydroxyvitamin D2 and 25-hydroxyvitamin D3 in human plasma. Use of isotachysterols and a comparison with gas chromatography--mass spectrometry. Trafford DJ, et al. **J Chromatogr** 1981 Dec 11;226(2):351–60
Cholestatriene and ergostatetraene as in vivo and in vitro membrane and lipoprotein probes. Bergeron RJ, et al.
J Lipid Res 1982 Mar;23(3):391–404
Immunomodulating properties of 5,20 alpha (R)-dihydroxy-6 alpha,7 alpha-epoxy-1-oxo-(5 alpha)-whitha-2,24-dienolide and solasodine. Bähr V, et al. **Planta Med** 1982 Jan;44(1):32–3

ANALYSIS

Ergosterol and lanosterol from Aspergillus nidulans. Shapiro BE, et al. **J Gen Microbiol** 1982 May;128 (Pt 5):1053–6

BIOSYNTHESIS

Involvement of cytochrome P-450 in delta 22-desaturation in ergosterol biosynthesis of yeast. Hata S, et al.
Biochem Biophys Res Commun 1981 Nov 16;103(1):272–7
Subcellular localization of the enzymes involved in the late stage of ergosterol biosynthesis in yeast. Nishino T, et al. **J Biochem (Tokyo)** 1981 May;89(5):1391–6
Protoplast fusion hybrids of Candida albicans sterol mutants differing in nystatin resistance. Pesti M, et al.
J Gen Microbiol 1982 Jan;128 (Pt 1):123–8

ISOLATION & PURIFICATION

Minor and trace sterols from marine invertebrates 29. (22E)-ergosta-5,22,25-trien-3 beta-ol and (22E,24R)-24,26-dimethylcholesta-5,22,25(27)-trien-3 beta-ol. Two new marine sterols from the sponge Pseudaxinella lunacharta. Sjöstrand U, et al. **Steroids** 1981 Sep;38(3):355–64

METABOLISM

Relative avidity of etruscomycin to cholesterol and ergosterol. Nedeau P, et al.
Antimicrob Agents Chemother 1982 Apr;21(4):545–50

PHARMACODYNAMICS

A requirement for ergosterol to permit growth of yeast sterol auxotrophs on cholestanol. Rodriguez RJ, et al.
Biochem Biophys Res Commun 1982 May 31;106(2):435–41
The effects of ergosterol and alcohols on germ-tube formation and chitin synthase in Candida albicans. Chiew YY, et al. **Can J Biochem** 1982 Jan;60(1):15–20

ERGOT ALKALOIDS

ANALYSIS

Losses of ergot alkaloids during making of bread and pancakes. Scott PM, et al. **J Agric Food Chem** 1982 May-Jun;30(3):445–50
Variability in the content and composition of alkaloids found in Canadian ergot. II. Wheat. Young JC.
J Environ Sci Health [B] 1981;B16(4):381–93
Variability in the content and composition of alkaloid found in Canadian ergot. III. Triticale and barley. Young JC, et al. **J Environ Sci Health [B]** 1982;17(2):93–107
[Clavine ergot alkaloids, metabolites of Penicillium gorlenkoanum] Kozlovskiĭ AG, et al.
Prikl Biokhim Mikrobiol 1981 Nov-Dec;17(6):806–12 **(Rus)**

BIOSYNTHESIS

Studies on Claviceps parasitic on Panicum species in India. Janardhanan KK, et al. **Folia Microbiol (Praha)** 1982; 27(2):121–5
[Claviceps sp. CPII strain, a producer of alkaloids. I. The relation between different developmental stages and alkaloid accumulation] Slokoska L, et al.
Acta Microbiol Bulg 1981;8:44–50 (Eng. Abstr.) **(Rus)**
[Claviceps sp. CP II, a producer of alkaloids. II. The effect of the composition of the nutrient medium and of respiration reducers and inhibitors on alkaloid formation] Slokoska L, et al. **Acta Microbiol Bulg** 1981;9:22–8 (Eng. Abstr.) **(Rus)**
[Biosynthesis of 'unusual' ergot alkaloids by the fungus Penicillium aurantio-virens] Kozlovskiĭ AG, et al.
Dokl Akad Nauk SSSR 1981;260(1):230–3 **(Rus)**

ISOLATION & PURIFICATION

[Isolation of minor alkaloids from ergot cultivated in Czechoslovakia] Stuchlík J, et al. **Cesk Farm** 1981 Jul; 30(6):201–2 (Eng. Abstr.) **(Cze)**

PHARMACODYNAMICS

9,10-Dihydroergotalkaloids as inhibitors of acetylcholinesterase. Riedel E, et al. **Arzneimittelforsch** 1981;31(9):1387–8
Gastric secretagogue action of ergot alkaloids in the perfused stomach of anesthetized rats. Maeda-Hagiwara M, et al. **Eur J Pharmacol** 1982 Apr 8;79(1-2):105–10
Ergot alkaloids and phosphodiesterase; 'in vitro' activities in several rat brain areas. Venutti P, et al. **Experientia** 1982 May 15;38(5):601–3
Effects of acute and subacute treatment with ergot drugs on the GABA system in specific brain regions. Peričić D. **J Pharm Pharmacol** 1981 Oct;33(10):655–9

ERGOT ALKALOIDS, HYDROGENATED

METABOLISM

Enhancement of the intestinal absorption of ergot peptide alkaloids in the rat by micellar solutions of polyoxyethylene-24-cholesteryl ether. Franz JM, et al.
J Pharm Pharmacol 1981 Sep;33(9):565–8

ERGOT FUNGUS see **CLAVICEPS**

ERGOTAMINE

Tolfenamic acid and ergotamine abuse. Ala-Hurula V, et al. **Headache** 1981 Nov;21(6):240–2

ADMINISTRATION & DOSAGE

[Gangrene following an intra-arterial injection (letter)]
Ned Tijdschr Geneeskd 1982 Feb 13;126(7):308–9 **(Dut)**

ADVERSE EFFECTS

Arterial complications of migraine treatment with methysergide and parenteral ergotamine. Joyce DA, et al.
Br Med J [Clin Res] 1982 Jul 24;285(6337):260–1
Myocardial infarction following administration of sublingual ergotamine. Klein LS, et al. **Chest** 1982 Sep;82(3):375–6
[Acute ergotism caused by an ergotamine-oleandomycin combination (letter)] Monsarrat M, et al.
Nouv Presse Med 1982 Feb 20;11(8):603 **(Fre)**
[Acute ergotism with a therapeutic association josamycin/ergotamine (author's transl)] Grolleau JY, et al.
Therapie 1981 May-Jun;36(3):319–21 (Eng. Abstr.) **(Fre)**
[Ergotism--an important complication of drug therapy in prevention of thromboembolism (letter)] Echterhoff HM, et al. **Dtsch Med Wochenschr** 1981 Dec 11;106(50):1717–8 **(Ger)**
[Acute drug-induced ischemia of the limbs in a young woman with viral hepatitis] Kozakiewicz H, et al. **Pol Tyg Lek** 1981 Sep 14;36(37):1437–8 (Eng. Abstr.) **(Pol)**
[Complications in the treatment of migraine with ergotamine and its derivatives] Durko A, et al. **Wiad Lek** 1981 May 1;34(9):779–83 (Eng. Abstr.) **(Pol)**

BLOOD

Determination of ergot alkaloids in plasma by high-performance liquid chromatography and fluorescence detection. Edlund PO. **J Chromatogr** 1981 Nov 13; 226(1):107–15

METABOLISM

Bioavailability of sublingual ergotamine. Tfelt-Hansen P, et al. **Br J Clin Pharmacol** 1982 Feb;13(2):239–40
Ergotamine absorption and toxicity. Orton DA, et al.
Postgrad Med J 1982 Jan;58(675):6–11

PHARMACODYNAMICS

Mechanism of ergotamine-induced decrease of peripheral systolic blood pressure in man. Tfelt-Hansen P, et al.
Acta Pharmacol Toxicol (Copenh) 1982 Aug;51(2):122–5
Effect of antimigraine drugs on nonopioid analgesia. Bartolini A, et al. **Adv Neurol** 1982;33:89–97
Effects of ergotamine on isolated human vessels. Mikkelsen E, et al. **Arch Int Pharmacodyn Ther** 1981 Aug; 252(2):241–52
[Possible electrocardiographic changes caused by ergotamine and their correct interpretation] Oppezzi B, et al.
Clin Ter 1981 Oct 31;99(2):215–25 (Eng. Abstr.) **(Ita)**

POISONING

Nitroglycerin for ergotism. Experimental studies in vitro and in migraine patients and treatment of an overt case. Tfelt-Hansen P, et al. **Eur J Clin Pharmacol** 1982; 22(2):105–9

THERAPEUTIC USE

Correlation between pharmacokinetics and clinical effects of ergotamine in patients suffering from migraine. Ala-Hurula V. **Eur J Clin Pharmacol** 1982;21(5):397–402
[Nil nocere! Medicinal ergometrin poisoning: St. Anthony's fire today] Grynaeus T. **Orv Hetil** 1981 Nov 15; 122(46):2849–50 **(Hun)**

ERGOTAMINE DERIVATIVES

ADMINISTRATION & DOSAGE

Effervescent ergotamine tartrate (Effergot) in the treatment of the acute migraine attack. Blowers AJ, et al.
Br J Clin Pract 1981 May;35(5):188–90
Bioavailability and antimigraine efficacy of effervescent ergotamine. Ala-Hurula V. **Headache** 1982 Jul;22(4):167–70

ADVERSE EFFECTS

Ocular ergotamine tartrate toxicity during treatment of Vacor-induced orthostatic hypotension. Mindel JS, et al.
Am J Ophthalmol 1981 Oct;92(4):492–6
Iatrogenic arterial aneurysm associated with ergotamine therapy [letter] Pajewski M, et al. **Lancet** 1981 Oct 24; 2(8252):934–5
[Iatrogenic ergotism. Responsibility of an ergotamine tartrate-erythromycine propionate association (author's transl)] Collet AM, et al. **Sem Hop Paris** 1982 Jul 1; 58(26-27):1624–6 (Eng. Abstr.) **(Fre)**

PHARMACODYNAMICS

Some aspects of the dopaminergic action of ergot derivatives and their role in the treatment of migraine. Horowski R.
Adv Neurol 1982;33:325–34
Effects on arterial receptors of ergot derivatives used in migraine. Müller-Schweinitzer E, et al. **Adv Neurol** 1982; 33:343–56
Duration of the biological effect of ergotamine tartrate. Tfelt-Hansen P, et al. **Adv Neurol** 1982;33:315–9
[The effects of sympathicolysis on interdigestive small bowel motility (author's transl)] Rampelberg F, et al.
Leber Magen Darm 1982 Feb;12(1):8–10 (Eng. Abstr.) **(Ger)**

POISONING

Self-induced myocardial infarction. Carr P.
Postgrad Med J 1981 Oct;57(672):654–5

THERAPEUTIC USE

Local regulation of subcutaneous blood flow in normal subjects and in migraine patients before and after single-dose ergotamine tartrate. Eickhoff JH, et al.
Clin Physiol 1982 Feb;2(1):29–38

ERGOTHIONEINE

ANALYSIS

Ergothioneine content in normal and senile human cataractous lenses. Shukla Y, et al. **Indian J Med Res** 1981 Mar;73:472–3

ERGOTISM

COMPLICATIONS

Acute lower extremity ischemia due to ergotism. Bhuta I.
J Med Assoc State Ala 1982 Jan;51(7):28, 33–4

[Ischemic episodes caused by iatrogenic ergotism. A new observation of acute ischemia of the lower limbs] Aricó M, et al. **Angiologia** 1982 Mar-Apr;34(2):82-5 **(Spa)**

DIAGNOSIS

[Complications in the treatment of migraine with ergotamine and its derivatives] Durko A, et al. **Wiad Lek** 1981 May 1;34(9):779-83 (Eng. Abstr.) **(Pol)**

DRUG THERAPY

Nitroglycerin for ergotism. Experimental studies in vitro and in migraine patients and treatment of an overt case. Tfelt-Hansen P, et al. **Eur J Clin Pharmacol** 1982; 22(2):105-9

[Absence of effect of nifedipine (Adalat) on experimental ergotism] Tfelt-Hansen P, et al. **Ugeskr Laeger** 1981 Nov 23;143(48):3226-8 (Eng. Abstr.) **(Dan)**

[Sodium nitroprusside in ischaemic complications of acute ergot poisoning (author's transl)] Desjars P, et al. **Nouv Presse Med** 1981 Oct 10;10(36):2959-61 (Eng. Abstr.) **(Fre)**

ETIOLOGY

Ergotism and heparin-dihydroergotamine [letter] Kakkar VV. **Lancet** 1982 Jul 10;2(8289):96-7

Ergotism leading to threatened limb amputation or to death in two patients given heparin-dihydroergotamine prophylaxis [letter] van den Berg E, et al. **Lancet** 1982 Apr 24;1(8278):955-6

[Acute ergotism caused by an ergotamine-oleandomycin combination (letter)] Monsarrat M, et al. **Nouv Presse Med** 1982 Feb 20;11(8):603 **(Fre)**

[Acute ergotism caused by the interaction of erythromycin propionate and dihydroergotamine (letter)] Neveux E, et al. **Nouv Presse Med** 1981 Sep 26;10(34):2830 **(Fre)**

[Iatrogenic ergotism. Responsibility of an ergotamine tartrate-erythromycine propionate association (author's transl)] Coliet AM, et al. **Sem Hop Paris** 1982 Jul 1; 58(26-27):1624-6 (Eng. Abstr.) **(Fre)**

[Acute ergotism with a therapeutic association josamycin/ergotamine (author's transl)] Grolleau JY, et al. **Therapie** 1981 May-Jun;36(3):319-21 (Eng. Abstr.) **(Fre)**

[Ergotism--an important complication of drug therapy in prevention of thromboembolism (letter)] Echterhoff HM, et al. **Dtsch Med Wochenschr** 1981 Dec 11;106(50):1717-8 **(Ger)**

[Ergotism--an important complication of drug thromboembolism prevention (letter)] Krupp P, et al. **Dtsch Med Wochenschr** 1982 Jan 8;107(1):36 **(Ger)**

[Ergotism--a severe complication of drug prevention of thromboembolism (letter)] van den Berg E, et al. **Dtsch Med Wochenschr** 1982 May 7;107(18):716-8 **(Ger)**

[Nil nocere! Medicinal ergometrin poisoning: St. Anthony's fire today] Grynaeus T. **Orv Hetil** 1981 Nov 15; 122(46):2849-50 **(Hun)**

[Peripheral gangrene following iatrogenic ergotism (letter)] Pigrau Serrallach C, et al. **Med Clin (Barc)** 1981 Jun 25; 77(2):85-6 **(Spa)**

VETERINARY

Suspected ergotism in a calf. Nyack B, et al. **Mod Vet Pract** 1981 Aug;62(8):623-4

ERGOTOXINE

BIOSYNTHESIS

Changes in cytoplasmic ultrastructure during submerged cultivation of a peptide alkaloids-producing strain of Claviceps purpurea (Fr.) Tul. Lösecke W, et al. **Z Allg Mikrobiol** 1982;22(1):49-61

ISOLATION & PURIFICATION

Isolation of ergokryptine from a new strain of ergot from India. Janardhanan KK, et al. **Indian J Exp Biol** 1982 Feb; 20(2):191-2

PHARMACODYNAMICS

Effects of ergocryptine on plasma prolactin, luteinizing hormone, and progesterone in the periparturient sow. Whitacre MD, et al. **Am J Vet Res** 1981 Sep;42(9):1538-41

The effect of ergocornine, bromocriptine, D-6-methyl-8-ergolinylacetamide and D-6-propyl-8-ergolinylacetamide on the prolactin secretion in goats. Comparison of potency and duration of effect. Krejčí P, et al. **Arzneimittelforsch** 1982; 32(4):365-8

Adenosine 3',5'-monophosphate derivatives increase prolactin synthesis and prolactin messenger ribonucleic acid levels in ergocryptine-treated pituitary cells. Maurer RA. **Endocrinology** 1982 Jun;110(6):1957-63

Relationship between estradiol, ergocryptine, and thyroid hormone: effects on prolactin synthesis and prolactin messenger ribonucleic acid levels. Maurer RA. **Endocrinology** 1982 May;110(5):1515-20

Bromocriptine enhances guanylate cyclase activity. Vesely DL. **Endocrinology** 1981 Oct;109(4):1284-6

Transcriptional regulation of the prolactin gene by ergocryptine and cyclic AMP. Maurer RA. **Nature** 1981 Nov 5;294(5836):94-7

ERITADENINE see under **ADENINE**

EROTICA

Children eroticized by incest. Yates A. **Am J Psychiatry** 1982 Apr;139(4):482-5

A comparison of male and female patterns of sexual arousal. Steinman DL, et al. **Arch Sex Behav** 1981 Dec;10(6):529-47

ERUCIC ACIDS see under **FATTY ACIDS, UNSATURATED**

ERWINIA

Defective packing of an unusual DNA in a virulent Erwinia phage, Erh 1. Kozloff LM, et al. **Prog Clin Biol Res** 1981; 64:253-69

[Septicaemia caused by Erwinia herbicola in an 8-year-old boy (author's transl)] Marklein G, et al. **Klin Padiatr** 1981 Sep;193(5):394-7 (Eng. Abstr.) **(Ger)**

[Serologic properties of Erwinia herbicola bacteriophages] Chernov SP, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1981 Oct;(10):52-4 (Eng. Abstr.) **(Rus)**

ANALYSIS

Fructan from Erwinia herbicola. Blake JL, et al. **J Bacteriol** 1982 Sep;151(3):1595-7

CLASSIFICATION

[Enterobacterial taxonomy: Erwinia carotovora and Yersinia enterocolitica] Vershinina VI, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1981 Jun;(6):49-52 (Eng. Abstr.) **(Rus)**

ENZYMOLOGY

Immunological and pharmacological characterization of poly-DL-alanyl-modified Erwinia carotovora L-asparaginase. Uren JR, et al. **Cancer Res** 1982 Oct; 42(10):4068-71

An exo-poly-alpha-D-galacturonosidase implicated in the regulation of extracellular pectate lyase production in Erwinia chrysanthemi. Collmer A, et al. **J Bacteriol** 1982 Feb;149(2):626-34

GENETICS

Characterization of plasmids in Erwinia stewartii. Coplin DL, et al. **Appl Environ Microbiol** 1981 Oct;42(4):599-604

Direct DNA repeat in plasmid R68.45 is associated with deletion formation and concomitant loss of chromosome mobilization ability. Currier TC, et al. **J Bacteriol** 1982 Apr;150(1):251-9

Plasmid-borne determinants of pigmentation and thiamine prototrophy in Erwinia herbicola. Gantotti BV, et al. **J Bacteriol** 1982 Sep;151(3):1627-9

Utilization of a thermosensitive episome bearing transposon TN10 to isolate Hfr donor strains of Erwinia carotovora subsp. chrysanthemi. Kotoujansky A, et al. **J Bacteriol** 1982 Apr;150(1):122-31

Plasmid ColVBtrp maintenance in Erwinia carotovora. Schukin NN. **J Bacteriol** 1981 Sep;147(3):1015-20

The chromosomal origin of replication (oriC) of Erwinia carotovora. Takeda Y, et al. **Nucleic Acids Res** 1982 Apr 24;10(8):2639-50

[Conjugation transfer of chromosome markers in an Erwinia chrysanthemi bacterial system. I. Construction of a strain capable of transferring the chromosome during conjugation] Prokulevich VA, et al. **Genetika (Moskva)** 1981;17(11):2048-51 (Eng. Abstr.) **(Rus)**

ISOLATION & PURIFICATION

Evaluation of three differential media for detection of Enterobacter agglomerans (Erwinia herbicola). Bucher C, et al. **J Clin Microbiol** 1982 Jun;15(6):1164-6

METABOLISM

[Induction of bacteriocin synthesis in Erwinia cells] Lysak VV, et al. **Antibiotiki** 1982 Mar;27(3):165-70 (Eng. Abstr.) **(Rus)**

PATHOGENICITY

[Properties of a toxic substance from Erwinia carotovora var. citrullis] Shcheglova MK, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1982 Apr;(4):34-7 (Eng. Abstr.) **(Rus)**

ERYSIPELAS

BLOOD

[Clinic-laboratory characteristics of recurrence erysipelas] Rychnev VE, et al. **Sov Med** 1982;(3):102-4 **(Rus)**

COMPLICATIONS

Septic prepatellar bursitis due to erysipelas [letter] Borbás E, et al. **Arthritis Rheum** 1981 Sep;24(9):1213

[Atypical erysipelas melanomatosum] Klimpel M. **Z Hautkr** 1982 Jun 1;57(11):783-8 **(Ger)**

DIAGNOSIS

Idiopathic erysipelas. A case presentation. Patton GW, et al. **J Am Podiatry Assoc** 1982 Jan;72(1):18-22

[Fasciitis necroticans — erysipelas grangrenosum: two different clinical entities? (author's transl)] Thoma W, et al. **Z Hautkr** 1981 Jun 15;56(12):777-85 (Eng. Abstr.) **(Ger)**

DRUG THERAPY

[Therapy of recurring erysipelas] Herrmann WP, et al. **Dtsch Med Wochenschr** 1982 Mar 19;107(11):428-9 **(Ger)**

IMMUNOLOGY

[Haptoglobin type, serum concentration of haptoglobin and agglutinating titre against T4-antigen of Streptococcus pyogenes in erysipelas (author's transl)] Göring HD, et al. **Dermatol Monatsschr** 1981 Aug;167(8):492-6 (Eng. Abstr.) **(Ger)**

PATHOLOGY

Gangrenous erysipelas and necrotizing fasciitis. Occurrence in elderly white women in the Pretoria area, with a study of some effects on blood coagulation. Findlay GH, et al. **S Afr Med J** 1982 Jul 24;62(4):125-31

[Clinicomorphological characteristics of erysipelatous erythema in periodic disease] Ter-Kasparova MR, et al. **Vestn Dermatol Venerol** 1982 May;(5):15-9 (Eng. Abstr.) **(Rus)**

PHYSIOPATHOLOGY

[Changes in the granulocytopoietic system in erysipelatous inflammation] Rychnev VE, et al. **Vrach Delo** 1982 Jun; (6):104-7 (Eng. Abstr.) **(Rus)**

ERYSIPELOID

DIAGNOSIS

Subacute parathion poisoning with erysipeloid-like lesion. Svindland HB. **Contact Dermatitis** 1981 Jul;7(4):177-9

Erysipeloid in an infant. Lacroix J, et al. **J Pediatr** 1981 Nov; 99(5):745-6

IMMUNOLOGY

[Antibody formation in patients with erysipeloid] Denisov GI, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1981;(8):40-4 (Eng. Abstr.) **(Rus)**

ERYSIPELOTHRIX

ENZYMOLOGY

[Investigations of the enzyme spectrum of Erysipelothrix rhusiopathiae (author's transl)] Müller HE. **Zentral Bakteriol Mikrobiol Hyg [A]** 1981 Nov; 250(4):456-62 (Eng. Abstr.) **(Ger)**

IMMUNOLOGY

[Simple technic for the specific detection of the protective effectiveness of bacterial antigens] Rothe F. **Acta Biol Med Ger** 1981;40(6):889-92 (Eng. Abstr.) **(Ger)**

[Protective antigens of the swine erysipelas bacterium (Erysipelothrix rhusiopathiae. 2. Further characterization of the protective antigen] Rothe F. **Arch Exp Veterinarmed** 1982;36(2):255-67 (Eng. Abstr.) **(Ger)**

[Protective antigens of the swine erysipelas bacterium (Erysipelothrix rhusiopathiae. 1. Specific demonstration of the protective antigen] Rothe F. **Arch Exp Veterinarmed** 1982;36(2):243-53 (Eng. Abstr.) **(Ger)**

[Induction of chronic polyarthritis with constituents of erysipelas bacteria (Erysipelothrix rhusiopathiae). I. Induction of arthritis in rabbits] Hermanns W, et al. **Zentralbl Veterinarmed [B]** 1981;28(9-10):778-88 (Eng. Abstr.) **(Ger)**

[Study on hog cholera-swine erysipelas combined live vaccine. -III. Field trial of vaccination (author's transl)] Eto M, et al. **Igaku Kenkyu** 1981 Mar;51(1):79-84 (Eng. Abstr.) **(Jpn)**

[Antibody formation in patients with erysipeloid] Denisov GI, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1981;(8):40-4 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

[Biological problems of Erysipelothrix rhusiopathiae (review of the literature)] Kovalev GK. **Zh Mikrobiol Epidemiol Immunobiol** 1982 Mar;(3):11-8 (68 ref.) **(Rus)**

ERYSIPELOTHRIX INFECTIONS

DRUG THERAPY

Efficacy of swine erysipelas vaccine given simultaneously with medicated rations. Hopper RJ, et al. **VM SAC** 1981 Sep;76(9):1345-7

ETIOLOGY

Erysipelothrix rhusiopathiae endocarditis. Kramer MR, et al. **South Med J** 1982 Jul;75(7):892

IMMUNOLOGY

Susceptibility of vaccinated swine and mice to generalized infection with specific serotypes of Erysipelothrix rhusiopathiae. Wood RL, et al. **Am J Vet Res** 1981 Apr; 42(4):608–14

Postembedding immunohistochemical demonstration of antigen in experimental polyarthritis using plastic embedded whole joints. Hermanns W, et al. **Histochemistry** 1981 Dec;73(3):439–46

PATHOLOGY

[Induction of chronic polyarthritis with constituents of erysipelas bacteria (Erysipelothrix rhusiopathiae). 2. Studies on induction of arthritis in rats] Hermanns W, et al. **Zentralbl Veterinarmed [B]** 1982 Mar;29(2):85–98 (Eng. Abstr.) **(Ger)**

PREVENTION & CONTROL

Efficacy of swine erysipelas vaccine given simultaneously with medicated rations. Hopper RJ, et al. **VM SAC** 1981 Sep;76(9):1345–7

[Study on hog cholera swine erysipelas combined live vaccine. –II. Indoor test of vaccination (author's transl)] Eto M, et al. **Igaku Kenkyu** 1980 Oct;50(7):519–24 (Eng. Abstr.) **(Jpn)**

[Study on hog cholera–sine erysipelas combined liver vaccine. I. Experimental preparation of combined live vaccine (author's transl)] Eto M, et al. **Igaku Kenkyu** 1980 Aug;50(6):490–4 (Eng. Abstr.) **(Jpn)**

VETERINARY

Susceptibility of vaccinated swine and mice to generalized infection with specific serotypes of Erysipelothrix rhusiopathiae. Wood RL, et al. **Am J Vet Res** 1981 Apr; 42(4):608–14

ERYTHEMA

BLOOD

Blood concentrations of acetaldehyde during chlorpropamide–alcohol flush. Barnett AH, et al. **Br Med J [Clin Res]** 1981 Oct 10;283(6297):939–41

CHEMICALLY INDUCED

Erythema craquelé provoked by corticosteroids on normal skin. Björnberg A. **Acta Derm Venereol (Stockh)** 1982; 62(2):147–51

Peculiar acral erythema secondary to high–dose chemotherapy for acute myelogenous leukemia. Burgdorf WH, et al. **Ann Intern Med** 1982 Jul;97(1):61–2

Cutaneous reactions to lower aliphatic alcohols before and during disulfiram therapy. Haddock NF, et al. **Arch Dermatol** 1982 Mar;118(3):157–9

Pityriasis rosea–like rash from captopril. Wilkin JK, et al. **Arch Dermatol** 1982 Mar;118(3):186–7

Facial erythema and telangiectasia with synalar cream. Tirlapur VG, et al. **Br J Clin Pract** 1981 Jul–Aug; 35(7–8):275–6

Factors influencing anthralin erythema. Juhlin L. **Br J Dermatol** 1981 Aug;105 Suppl 20:87–91

Pharmacological studies of anthralin erythema. Misch K, et al. **Br J Dermatol** 1981 Aug;105 Suppl 20:82–6

Chlorpropamide– and tolbutamide–alcohol flushing in non–insulin–dependent diabetes. Capretti L, et al. **Br Med J [Clin Res]** 1981 Nov 21;283(6303):1361–2

Chlorpropamide alcohol flush and circulating met–enkephalin: a positive link. Medbak S, et al. **Br Med J [Clin Res]** 1981 Oct 10;283(6297):937–9

Painful edema, erythematous rash, and burning sensation due to nifedipine. Grunwald Z. **Drug Intell Clin Pharm** 1982 Jun;16(6):492

Substance P [letter] Bernstein JE, et al. **J Invest Dermatol** 1981 Aug;77(2):250–1

Cutaneous erythema and blood pressure lowering effects of topically applied 16–vinylprostaglandins. Birnbaum JE, et al. **Prostaglandins** 1982 Feb;23(2):185–99

An unusual allergic reaction [letter] Reimer GW. **S Afr Med J** 1981 Nov 28;60(22):843

[Effects of anti–inflammatory drugs on the arachidonic acid induced erythema in guinea pigs (author's transl)] Otomo S, et al. **Nippon Yakurigaku Zasshi** 1981 Sep;78(3):185–90 (Eng. Abstr.) **(Jpn)**

COMPLICATIONS

Erythema dyschromicum perstans and lichen planus. Naidorf KF, et al. **Arch Dermatol** 1982 Sep;118(9):683–5

Necrolytic migratory erythema associated with an islet cell tumour of the pancreas. Verbov J. **Dermatologica** 1981; 163(2):189–94

Atypical necrolytic migratory erythema in association with a jejunal adenocarcinoma. Walker NP. **J R Soc Med** 1982 Feb;75(2):134–5

[Sweet's syndrome: report of two cases (author's transl)] Miró Meda JM, et al. **Med Clin (Barc)** 1981 Jun 25;77(2):77–80 (Eng. Abstr.) **(Spa)**

DIAGNOSIS

Rash and infectious mononucleosis [letter] Naparstek Y, et al. **Ann Intern Med** 1982 Aug;97(2):284

Erythema dyschromicum perstans. Inoue S, et al. **J Dermatol (Tokyo)** 1981 Dec;8(6):487–92

Cutaneous and oral changes as the only manifestations of the glucagonoma syndrome. Ditty JF Jr, et al. **South Med J** 1982 Feb;75(2):222–4

[REM syndrome. Reticular erythema with mucinosis] Moulin G, et al. **Ann Dermatol Venereol** 1981;108(10):783–7 (25 ref.) **(Fre)**

[Lyme arthritis. Inflammatory polyarthritis following migratory annular erythema] Illouz G, et al. **Rev Rhum Mal Osteoartic** 1981 Dec;48(12):813–5 **(Fre)**

[Recommendations for the execution and evaluation of epicutaneous, intracutaneous and prick tests as well as of nasal and inhalative allergen tests] Behrbohm P, et al. **Allerg Immunol (Leipz)** 1981;27(2):75–86 **(Ger)**

[Development of erythema in thermographic images] Stüttgen G, et al. **Hautarzt** 1981 Dec;32(12):622–8 (Eng. Abstr.) **(Ger)**

[Erythema rheumaticum] Ueki H, et al. **Hautarzt** 1981 Aug; 32(8):425–8 (Eng. Abstr.) **(Ger)**

DRUG THERAPY

Treatment of erythematous dermatoses with potassium iodide. Horio T, et al. **J Dermatol (Tokyo)** 1981 Dec; 8(6):499–505

[Erythema anulare centrifugum with pustulation. Successful oral retinoid therapy] Stadler R, et al. **Hautarzt** 1981 Nov; 32(11):564–6 (Eng. Abstr.) **(Ger)**

ETIOLOGY

Posttransfusion syndrome. Rash, eosinophilia, and thrombocytopenia following intrauterine and exchange transfusions. Chudwin DS, et al. **Am J Dis Child** 1982 Jul; 136(7):612–4

Severe hypertension and flushing in a patient with a non–metastatic carcinoid tumour. Hypertension and flushing with a solitary carcinoid tumour. Jones RM, et al. **Anaesthesia** 1982 Jan;37(1):57–9

Generalized rash from whirlpools and hot tubs [letter] Blaugrund AC. **Arch Dermatol** 1981 Oct;117(10):603

Erythema resulting from suberythemogenic doses of ultraviolet radiation and methotrexate. LeVine MJ. **Arch Dermatol** 1981 Oct;117(10):656–8

Scleredema and persistent erythema [letter] Millns JL, et al. **Arch Dermatol** 1982 May;118(5):290–2

Mechanisms of ultraviolet erythema: what's new under the sun? [letter] **Br J Dermatol** 1982 Aug;107(2):247–50

The mechanism of ultraviolet erythema. Shuster S. **Br J Dermatol** 1982 Feb;106(2):235–6

Thermographic analyses of anthralin and UV–B exposed human skin. Stüttgen G, et al. **Br J Dermatol** 1981 Aug; 105 Suppl 20:92–5

Spiking fever and rash in a postpartum patient. Lauter CB, et al. **Hosp Pract** 1982 Sep;17(9):163,169,175

Late skin changes following twice–weekly electron beam radiation to post–mastectomy chest walls. Sause WT, et al. **Int J Radiat Oncol Biol Phys** 1981 Nov;7(11):1541–4

The interaction of UVA and UVB in the production of threshold erythema. Paul BS, et al. **J Invest Dermatol** 1982 May;78(5):371–4

Ultraviolet light sensitivity and prolonged UVR–erythema. Wilson PD, et al. **J Invest Dermatol** 1981 Dec;77(6):434–6

Migratory erythema and eosinophilic cellulitis associated with nasopharyngeal carcinoma. Murray D, et al. **J R Soc Med** 1981 Nov;74(11):845–7

Academy rash. A probable epidemic of erythema infectiosum ('fifth disease'). Brass C, et al. **JAMA** 1982 Aug 6; 248(5):568–72

Red macule is pathognomonic; antibiotics help [news] Gunby P. **JAMA** 1982 Aug 20;248(7):813

Fifth disease: Still hazy after all these years [editorial] Morens DM. **JAMA** 1982 Aug 6;248(5):553–4

Variations of palatal erythema secondary to fellatio. Damm DD, et al. **Oral Surg** 1981 Oct;52(4):417–21

The consistency of studies of ultraviolet erythema in normal human skin. Diffey BL. **Phys Med Biol** 1982 May; 27(5):715–20

[Circumscribed reticular telangiectatic erythema following implantation of a heart pacemaker] Gensch EG, et al. **Hautarzt** 1981 Dec;32(12):651–4 (Eng. Abstr.) **(Ger)**

[Necrolytic migratory erythema in glucagonoma syndrome (author's transl)] Kitoh M, et al. **Nippon Hifuka Gakkai Zasshi** 1981 Apr;91(5):559–68 **(Jpn)**

[Four cases of Sjögren's syndrome having erythematous cutaneous manifestations (author's transl)] Usuda T, et al. **Nippon Hifuka Gakkai Zasshi** 1982 Mar;92(4):489–501 **(Jpn)**

[Annular erythemas in patients with collagen diseases (author's transl)] Yasue T. **Nippon Hifuka Gakkai Zasshi** 1982 Feb;92(2):127–38 **(Jpn)**

IMMUNOLOGY

Serological study with rickettsial antigens in erythema chronicum migrans. Weber K. **Dermatologica** 1981; 163(6):460–7

METABOLISM

The relationship between development of ultraviolet erythema and release of prostaglandins in guinea pig skin. Adams SS, et al. **Agents Actions** 1981 Nov;11(5):473–6

[Role of Prostaglandin E2 and F2 alpha in UVB–induced erythema (author's transl)] Nagayo K. **Nippon Hifuka Gakkai Zasshi** 1981 May;91(6):645–52 **(Jpn)**

OCCURRENCE

Occurrence of erythema chronicum migrans and Lyme disease among children in two noncontiguous Connecticut counties. Kaslow RA, et al. **Arthritis Rheum** 1981 Dec; 24(12):1512–6

Lyme disease and erythema chronicum migrans in Minnesota. Williams DN, et al. **Minn Med** 1982 Apr;65(4):217–221

PATHOLOGY

Ultrastructural studies of necrolytic migratory erythema. Ohyama K, et al. **Arch Dermatol** 1982 Sep;118(9):679–82

Reticular erythematous mucinosis: light and electron microscopy, immunofluorescence and histochemical findings. Bleehen SS, et al. **Br J Dermatol** 1982 Jan; 106(1):9–18

A comparative study of toxic erythema of pregnancy and herpes gestationis. Holmes RC, et al. **Br J Dermatol** 1982 May;106(5):499–510

Ixodes dammini: induced skin lesions in guinea pigs and rabbits compared to erythema chronicum migrans in patients with lyme arthritis. Krinsky WL, et al. **Exp Parasitol** 1982 Jun;53(3):381–95

Circumscribed dermal melaninoses: classification, light, histochemical, and electron microscopic studies on three patients with the erythema dyschromicum perstans type. Sánchez NP, et al. **Int J Dermatol** 1982 Jan–Feb;21(1):25–31

Erythromelanosis follicularis faciei et colli. A case report. Watt TL, et al. **J Am Acad Dermatol** 1981 Nov;5(5):533–4

[Sweet syndrome in systemic diseases (authors transl)] Odeh F. **Z Hautkr** 1981 Aug 15;56(16):1081–8 (Eng. Abstr.) **(Ger)**

[Electronmicroscopic observations of necrolytic migratory erythema in glucagonoma (author's transl)] Ohyama K, et al. **Nippon Hifuka Gakkai Zasshi** 1981 Aug;91(9):955–9 **(Jpn)**

[Clinicomorphological characteristics of erysipelatous erythema in periodic disease] Ter–Kasparova MR, et al. **Vestn Dermatol Venerol** 1982 May;(5):15–9 (Eng. Abstr.) **(Rus)**

PHYSIOPATHOLOGY

Erythema and skin blood content. Argenbright LW, et al. **Br J Dermatol** 1982 May;106(5):569–74

PREVENTION & CONTROL

Evaluation of seven sunscreens on hairless mouse skin. Walter JF. **Arch Dermatol** 1981 Sep;117(9):547–50

URINE

Influence of UV– and capsaicin–induced erythema as well as of acetylsalicylic acid on the urinary excretion of vanilmandelic acid and homovanillic acid in man. Horn M, et al. **Agents Actions [Suppl]** 1982;10:173–83

ERYTHEMA INDURATUM see under **TUBERCULOSIS, CUTANEOUS**

ERYTHEMA MULTIFORME

see related
REITER'S DISEASE

CHEMICALLY INDUCED

Cimetidine–induced erythema annulare centrifugum: no cross–sensitivity with ranitidine. Merrett AC, et al. **Br Med J [Clin Res]** 1981 Sep 12;283(6293):698

Associated nickel and cobalt contact dermatitis presenting as erythema multiforme. Cook LJ. **Contact Dermatitis** 1982 Jul;8(4):280–1

Delayed–type allergy to phenazone in a patient with erythema multiforme. Landwehr AJ, et al. **Contact Dermatitis** 1982 Jul;8(4):283–4

Erythema multiforme secondary to acetazolamide (Diamox) (a case report). Nayak AJ, et al. **Indian J Ophthalmol** 1981 Jul;29(2):105–6

[Erythema multiforme as a possible side–effect of treatment with cimetidine] Bjaeldager PA. **Ugeskr Laeger** 1981 May 25;143(22):1406–7 (Eng. Abstr.) **(Dan)**

[Erythema multiforme with mucous membrane involvement: responsibility of diclofenac?] Seigneuric C, et al. **Ann Dermatol Venereol** 1982;109(3):287 **(Fre)**

[Erythema multiforme and Stevens–Johnson syndrome following diflunisal therapy (letter)] Dubois A, et al. **Nouv Presse Med** 1982 Feb 20;11(8):606–7 **(Fre)**

COMPLICATIONS

Erythema annulare centrifugum and Graves' disease [letter]

Braunstein BL. **Arch Dermatol** 1982 Sep;118(9):623
A case of leuconychia striata with severe erythema multiforme. Bryer-Ash M, et al. **Clin Exp Dermatol** 1981 Sep;6(5):565-7

DIAGNOSIS

[Interrelation of erythema multiforme exudativum, the Stevens-Johnson syndrome and toxic epidermal necrolysis (Lyell's syndrome)] Anton'eva AA, et al. **Vestn Dermatol Venerol** 1981 Jul;(7):29-30 **(Rus)**
[Erythema multiforme exudativum, the Stevens-Johnson and Lyell syndromes and their interrelation] Korolev IuF. **Vestn Dermatol Venerol** 1981 Aug;(8):44-6 **(Rus)**
[Interrelation of erythema multiforme exudativum and Lyell's and Stevens-Johnson syndromes] Soloshenko EN. **Vestn Dermatol Venerol** 1981 Jul;(7):30-2 (Eng. Abstr.) **(Rus)**

DRUG THERAPY

Azathioprine therapy in the management of persistent erythema multiforme. Jones RR. **Br J Dermatol** 1981 Oct; 105(4):465-7
Levamisole in the treatment of erythema multiforme: a double-blind trial in fourteen patients. Lozada F. **Oral Surg** 1982 Jan;53(1):28-31
[Histaglobulin in the combined treatment of erythema multiforme exudativum] Kotomin BV, et al. **Stomatologiia (Mosk)** 1981 Nov-Dec;60(6):62-3 (Eng. Abstr.) **(Rus)**

ETIOLOGY

Erythema annulare centrifugum associated with ascariasis. Hendricks AA, et al. **Arch Dermatol** 1981 Sep;117(9):582-5
Localized erythema multiforme due to lymphatic obstruction. Heng MC, et al. **Br J Dermatol** 1982 Jan;106(1):95-7
A case of contact dermatitis, erythema multiforme, and toxic epidermal necrolysis. Thompson JA Jr, et al. **J Am Acad Dermatol** 1981 Dec;5(6):666-9
Erythema multiforme syndrome associated with varicella [letter' Brettle RP. **N Engl J Med** 1981 Dec 10; 305(24):1472-3
[Erythema multiforme in Mycoplasma pneumoniae infection] Serup J, et al. **Ugeskr Laeger** 1981 Sep 28;143(40):2589-90 (Eng. Abstr.) **(Dan)**
[Erythema multiforme as a vesicular exanthema (author's transl)] Brinkmann W. **Z Hautkr** 1982 Jan 1;57(1):49-52 (Eng. Abstr.) **(Ger)**
[Erythema figuratum] Corrales Padilla H, et al. **Med Cutan Iber Lat Am** 1981;9(3):197-206 (Eng. Abstr.) **(Spa)**

IMMUNOLOGY

Herpes simplex antigen in immune complexes of patients with erythema multiforme: presence following recurrent herpes simplex infection. Kazmierowski JA, et al. **JAMA** 1982 May 14;247(18):2547-50

MICROBIOLOGY

[Combined erythema nodosum and erythema multiforme caused by Yersinia enterocolitica serotype 4] Eggert J, et al. **Ugeskr Laeger** 1982 Mar 22;144(12):879-81 (Eng. Abstr.) **(Dan)**

PATHOLOGY

Herpetiform eruption with leukocytoclasis: a distinctive clinico-pathological variety of erythema multiforme. Ferrándiz C, et al. **Acta Derm Venereol (Stockh)** 1982; 62(2):141-6
An unusual case of erythema multiforme. Cohen IJ, et al. **Cutis** 1981 Dec;28(6):635-6
[Profuse infiltrating erythema marginatum in a 2-year-old girl] Lorette G, et al. **Ann Dermatol Venereol** 1981; 108(8-9):679-88 **(Fre)**
[Baader's dermatostomatitis, a rare variety of erythema multiforme exudativum] Zorin PM, et al. **Vestn Dermatol Venerol** 1981 Aug;(8):70-3 (Eng. Abstr.) **(Rus)**
[Exudative erythema multiforme. Clinico-pathological correlations in typical and recurring forms] Alonso San Pablo MT, et al. **Actas Dermosifiliogr** 1981 Jul-Aug; 72(7-8):347-56 (Eng. Abstr.) **(Spa)**

PREVENTION & CONTROL

Treatment of erythema multiforme secondary to herpes simplex by prophylactic topical acyclovir [letter] Juel-Jensen BE. **Br Med J [Clin Res]** 1981 Dec 5; 283(6305):1544
Treatment of erythema multiforme secondary to herpes simplex by prophylactic topical acyclovir. Kennedy CT, et al. **Br Med J [Clin Res]** 1981 Nov 21;283(6303):1360-1

ERYTHEMA NODOSUM

COMPLICATIONS

Erythema nodosum in an epidemic of histoplasmosis in Indianapolis. Ozols II, et al. **Arch Dermatol** 1981 Nov; 117(11):709-12
Erythema nodosum. Jillson OF. **Cutis** 1982 Feb;29(2):142-6
Comparison of the manifestations of acute sarcoid arthritis with and without erythema nodosum. Immunopathogenic significance. Pennec Y, et al. **Scand J Rheumatol** 1982; 11(1):13-6
[Pulmonary and cutaneous lesions and terminal ileitis in a 11-year-old child: an exceptional case (author's transl)] Henrion F, et al. **J Radiol** 1982 Feb;63(2):123-6 (Eng. Abstr.) **(Fre)**
[Yersinia pseudotuberculosis type II causing acute gastroenteritis with skin manifestations and polyarthritis (author's transl)] Palmović D, et al. **Lijec Vjesn** 1980; 102(11):635-8 (Eng. Abstr.) **(Scr)**

DIAGNOSIS

[Erythema nodosum in pseudotuberculosis infection] Malyi VP. **Vrach Delo** 1981 Jul;(7):106-7 **(Rus)**

DRUG THERAPY

Suppression of erythema nodosum by indomethacin. Ubogy Z, et al. **Acta Derm Venereol (Stockh)** 1982;62(3):265-6
Chronic erythema nodosum treated with indomethacin [letter] Barr WG, et al. **Ann Intern Med** 1981 Nov;95(5):659
Erythema nodosum and indomethacin [letter] Elizaga FV. **Ann Intern Med** 1982 Mar;96(3):383
Possible incompatibility of dapsone with clofazimine in the treatment of patients with erythema nodosum leprosum [letter] Imkamp FM, et al. **Lepr Rev** 1982 Jun;53(2):148-9
[Therapy of lepromatous erythema nodosum using chloramphenicol. Comparison with thalidomide. Statistical study from the Marchoux Institute] Saint-André P, et al. **Acta Leprol (Geneve)** 1981 Jul-Sep;(84):57-62 (Fre)

ETIOLOGY

Erythema nodosum and Hodgkin's disease. Chalmers RJ, et al. **Br J Dermatol** 1982 May;106(5):593-6
Possible pathogenetic role for ulcerative colitis in the arthritis, hepatomegaly, and erythema nodosum of common variable immunodeficiency. Jordan JM, et al. **Johns Hopkins Med J** 1982 Aug;151(2):54-8
Campylobacter enteritis and erythema nodosum [letter] Lambert M, et al. **Lancet** 1982 Jun 19;1(8286):1409
Hypothesis: erythema nodosum leprosum is precipitated by an imbalance of T lymphocytes. Mshana RN. **Lepr Rev** 1982 Mar;53(1):1-7
Recurrent erythema nodosum and pulmonary sarcoidosis. Macfarlane JT. **Postgrad Med J** 1981 Aug;57(670):525
[Aetiology of erythema nodosum in childhood (author's transl)] Pisevska C, et al. **God Zb Med Fak Skopje** 1979 Jan;25:505-11 (Eng. Abstr.) **(Mac)**
[Erythema nodosum caused by gastrointestinal salmonellosis] Toribio J, et al. **Actas Dermosifiliogr** 1981 Sep-Oct; 72(9-10):473-4 (Eng. Abstr.) **(Spa)**

IMMUNOLOGY

Erythema nodosum and kerion of the scalp. Martinez-Roig A, et al. **Am J Dis Child** 1982 May;136(5):440-2
Immune complexes in leprosy patients from an endemic and a nonendemic area and a longitudinal study of the relationship between complement breakdown products and the clinical activity of erythema nodosum leprosum. Valentijn RM, et al. **Clin Immunol Immunopathol** 1982 Feb; 22(2):194-202
Flare-up of DNCB test induced by lepra reaction. Garcia-Perez A. **Contact Dermatitis** 1982 May;8(3):205
Pharmacologically-active mediators of hypersensitivity reactions in the blood of lepromatous patients with erythema nodosum leprosum. Saha K, et al. **Lepr Rev** 1981 Dec;52(4):315-20
Inhibition of de novo IgM antibody synthesis by thalidomide as a relevant mechanism of action in leprosy. Shannon EJ, et al. **Scand J Immunol** 1981;13(6):553-62
[Is there a reactivation of cellular immunity in erythema nodosum leprosum?] Stach JL, et al. **Acta Leprol (Geneve)** 1981 Oct-Dec;85:83-92 **(Fre)**

MICROBIOLOGY

[Combined erythema nodosum and erythema multiforme caused by Yersinia enterocolitica serotype 4] Eggert J, et al. **Ugeskr Laeger** 1982 Mar 22;144(12):879-81 (Eng. Abstr.) **(Dan)**

ERYTHRASMA see under **CORYNEBACTERIUM INFECTIONS**

ERYTHREDEMA POLYNEUROPATHY see **ACRODYNIA**

ERYTHREMIC MYELOSIS

BLOOD

Erythroleukemia: a study of 15 cases and literature review. Roggli VL, et al. **Cancer** 1982 Jan 1;49(1):101-8

ETIOLOGY

Acute erythroblastic leukemia terminating a very long-lasting (27 years) Hodgkin's disease. Mantovani G, et al. **Acta Haematol (Basel)** 1982;67(4):287-8

PATHOLOGY

Human erythroid cell lines derived from a patient with acute erythremia. Okano H, et al. **J Cancer Res Clin Oncol** 1981; 102(1):49-55
[A case of chronic erythremic myelosis (author's transl)] Kanazawa S, et al. **Rinsho Ketsueki** 1981 May;22(5):707-12 (Eng. Abstr.) **(Jpn)**
[A case of acute panmyelosis (author's transl)] Nakaguma H, et al. **Rinsho Ketsueki** 1981 Feb;22(2):231-6 (Eng. Abstr.) **(Jpn)**

ERYTHRINA

Genetics of the LH red blood cell membrane specificity. Sehajpal PK, et al. **Acta Anthropogenet** 1980;4(1-2):85-9

ERYTHRITOL

ANALOGS & DERIVATIVES

Action of lycurim and pyrazofurin on hepatoma 3924A cells in culture. Ban J, et al. **Cancer Treat Rep** 1982 Feb; 66(2):343-9
Lycurim (R-74) in the therapy of chronic lymphocytic leukaemia. Vygovskaya YI, et al. **Haematologia (Budap)** 1981 Dec;14(4):399-405
Rat hepatomas: chemotherapy with lycurim and pyrazofurin. Lui MS, et al. **JNCI** 1982 Apr;68(4):665-8
Lycurim (NSC 122402) in the treatment of chronic lymphocytic leukemia. Klener P. **Neoplasma** 1982; 29(1):87-92

METABOLISM

[14C]erythritol clearance and canalicular bile acid-independent flow in the baboon. Strasberg SM, et al. **Am J Physiol** 1982 May;242(5):G475-80
Secretin enhances [14C]erythritol clearance in unanesthetized dogs. Lewis MH, et al. **Dig Dis Sci** 1982 Jan;27(1):57-64

ERYTHRITYL TETRANITRATE

ADMINISTRATION & DOSAGE

[Vasodilator treatment of chronic heart failure: a chronic double-blind trial with prazosin and erythrityl tetranitrate] Tomov I, et al. **Vutr Boles** 1981;20(6):72-8 (Eng. Abstr.) **(Bul)**

THERAPEUTIC USE

Treadmill exercise protocols to demonstrate effectiveness of nitrate drugs in relief of angina pectoris; duration of action and degree of functional enhancement. Kattus AA. **Cardiology** 1981;68 Suppl 2:161-8
[Clinical and statistical study of 121 cases of acute myocardial infarct from 1976 to 1981 (month of April). Critical review] Carile L, et al. **Minerva Med** 1982 Apr 2;73(14):821-7 (Eng. Abstr.) **(Ita)**

ERYTHROBLASTOSIS, FETAL

see related
JAUNDICE, NEONATAL
RH-HR BLOOD-GROUP SYSTEM

BLOOD

ABO hemolytic disease. Cook LN. **Clin Obstet Gynecol** 1982 Jun;25(2):333-9
Haemolytic disease of the newborn caused by anti-U [letter] Dhandsa N, et al. **Lancet** 1981 Nov 28;2(8257):1232
Recurrence rate of ABO hemolytic disease of the newborn. Katz MA, et al. **Obstet Gynecol** 1982 May;59(5):611-4
[Recurrent erythroblastosis in a case of juvenile chronic myelocytic leukemia - ultracytochemistry of erythroblasts (author's transl)] Eguchi M, et al. **Rinsho Ketsueki** 1981 Jun;22(6):909-16 (Eng. Abstr.) **(Jpn)**
[Metabolism of erythrocytes in fetal erythroblastosis] Jezuita J. **Rocz Akad Med Bialymstoku** 1980;25:5-40 (210 ref.) (Eng. Abstr.) **(Pol)**

COMPLICATIONS

ABO hemolytic disease of the newborn associated with direct reacting hyperbilirubinemia. Najak Z, et al. **J Med Assoc Ga** 1982 Apr;71(4):267-71

DIAGNOSIS

Dilation of the fetal umbilical vein in rhesus hemolytic anemia: a predictor of severe disease. DeVore GR, et al. **Am J Obstet Gynecol** 1981 Oct 15;141(4):464-6
Hypoalbuminemia: the etiology of antenatally diagnosed pericardial effusion in rhesus-hemolytic anemia. DeVore GR, et al. **Am J Obstet Gynecol** 1982 Apr 15;142(8):1056-7
Plasma fibrinogen concentration in ABO-hemolytic disease of the newborn. Romano EL, et al. **Int Arch Allergy Appl Immunol** 1982 Jan;67(1):74-7
[Prediction of fetal blood group from amniotic fluid and use in hemolytic disease of the newborn (author's transl)] Qian ML. **Chung Hua Fu Chan Ko Tsa Chih** 1982 Jan;17(1):21-3 **(Chi)**
[Progress in the diagnosis and therapy of blood group incompatibility in pregnancy] Brusis E. Fortschr Med 1981

Dec 3;99(45):1899 (Ger)

DRUG THERAPY

The treatment of erythroblastosis with promethazine hydrochloride. Gusdon JP Jr. **J Reprod Med** 1981 Sep; 26(9):454–8

[Treatment with immunodepressors in cases of hemolytic diseases of the newborn caused by materno–fetal Rh isoimmunization] De Luca P, et al. **Arch Ostet Ginecol** 1981 Jan–Apr;86(1–2):11–27 (Eng. Abstr.) (Ita)

ETIOLOGY

Multiple antibody formation in a primigravida: anti–D, anti–C, anti–Kpb. Musclow CE, et al. **Obstet Gynecol** 1982 Jun;59(6 Suppl):10S–2S

Current clinical concepts in hemolytic disease and blood group incompatibility. Cherry SH. **Prog Clin Biol Res** 1981; 70:205–12

Characterization of an anti–Dia antibody causing hemolytic disease in a newborn infant. Alves de Lima LM, et al. **Transfusion** 1982 May–Jun;22(3):246–7

Hemolytic disease of the newborn due to anti–VS [letter] Behzad O, et al. **Transfusion** 1982 Jan–Feb;22(1):83

A case of severe hemolytic disease of the newborn due to anti–Verweyst (Vw). Taylor AM, et al. **Transfusion** 1982 Mar–Apr;22(2):165–6

Hemolytic disease of newborn due to anti–Leb [letter] Reid ME, et al. **Vox Sang** 1982;45(5):278

A case of hemolytic disease of the newborn due to anti–Dib antibodies. Uchikawa M, et al. **Vox Sang** 1982 Feb; 42(2):91–2

[Fetal death and benign hemolytic disease of the newborn from anti–Cellano alloimmunization: 2 new case reports] Rigal D, et al. **Rev Fr Transfus Immunohematol** 1982 Feb; 25(1):101–4 (Eng. Abstr.) (Fre)

[A case of hemolytic disease of the newborn caused by materno–fetal isoimmunization against factor c(hr') (preliminary note)] De Luca P. **Arch Ostet Ginecol** 1980 May–Jun;85(3):175–7 (Ita)

[A case of hemolytic disease of the newborn due to maternofetal isoimmunization against factor c(hr')] De Luca P. **Arch Ostet Ginecol** 1980 Sep–Oct;85(5):503–7 (Ita)

[Histological peculiarities of the placenta in materno–fetal isoimmunization due to Rh factors] Capone N, et al. **Minerva Ginecol** 1982 Mar;34(3):151–4 (Ita)

FAMILIAL & GENETIC

Rh(D) fraction incompatibility causing hemolytic disease of the newborn. Report of two cases in a Chinese family. Lee SK, et al. **Am J Clin Pathol** 1982 Jul;78(1):95–6

[Hemolytic disease of the newborn in monozygotic twins caused by anti–c alloantibodies of the rhesus system] Gligorović VN, et al. **Bilt Hematol Transfuz** 1980;8(1):83–9 (Eng. Abstr.) (Scr)

HISTORY

The Rh problem: (an example of the tsunami phenomenon in medicine). Diamond LK. **Turk J Pediatr** 1982 Jan–Mar; 24(1):35–47

IMMUNOLOGY

Lymphocyte subpopulations in healthy newborns and in immunohemolytic anemia due to Rh incompatibility. Maślanka K, et al. **Arch Immunol Ther Exp (Warsz)** 1981; 29(1):21–8

Maternal anti–D concentrations and outcome in rhesus haemolytic disease of the newborn. Bowell P, et al. **Br Med J [Clin Res]** 1982 Jul 31;285(6338):327–9

Haemolytic disease of the newborn due to antibodies other than rhesus anti–D [letter] Mickley H. **Br Med J [Clin Res]** 1981 Dec 12;283(6306):1605–6

Irregular antibodies causing hemolytic disease of the newborn: a continuing problem. Weinstein L. **Clin Obstet Gynecol** 1982 Jun;25(2):321–32 (144 ref.)

Non–'D' rhesus and irregular antibodies—an approach to management. Dornan KJ. **Ir Med J** 1982 Mar;75(3):79–82

Subclinical hemolytic disease of the newborn associated with IgG anti–Lub. Dube VE, et al. **Transfusion** 1982 May–Jun; 22(3):251–3

Hemolytic disease of the newborn due to anti–Le. Bharucha ZS, et al. **Vox Sang** 1981;41(1):36–9

Haemolytic disease of the newborn due to Rhesus anti–e antibody. Chapman J, et al. **Vox Sang** 1981;41(1):45–7

Does anti–Jra cause hemolytic disease of the newborn? Toy P, et al. **Vox Sang** 1981;41(1):40–4

IgG subclasses in rhesus–D immunization. Effects of weekly small volume plasmapheresis. van't Veer–Korthof ET, et al. **Vox Sang** 1981;41(4):207–11

[Hemolytic disease of the newborn due to Kell sensitization] Beller U, et al. **Harefuah** 1981 Jul;101(1–2):14–5 (Eng. Abstr.) (Heb)

[Hemolytic disease of the newborn due to anti–Ku (author's transl)] Huang HJ, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1982 Jan;34(1):119–21 (Jpn)

METABOLISM

[Bilirubin isomers in hemolytic disease of the newborn] Filippov ES, et al. **Lab Delo** 1981;(9):541–4 (Rus)

OCCURRENCE

Rh hemolytic disease–Connecticut, United States, 1970–1979. Centers for Disease Control. **Conn Med** 1982 Mar; 46(3):147–8

Epidemiology of Rh hemolytic disease of the newborn, United States, 1960–1979. Adams MM, et al. **Prog Clin Biol Res** 1981;70:213–7

PATHOLOGY

Erythroblastosis in a first born infant. Smith PS, et al. **RI Med J** 1982 May;65(5):193–7

PHYSIOPATHOLOGY

Antepartum sinusoidal and decelerative heart rate patterns in Rh disease. Visser GH. **Am J Obstet Gynecol** 1982 Jul 1;143(5):538–44

The intraventricular conduction time of fetal heart in pregnancies complicated by rhesus haemolytic disease. Brambati B, et al. **Br J Obstet Gynaecol** 1981 Dec; 88(12):1233–40

PREVENTION & CONTROL

Plasmapheresis in Rh immunized pregnant women. Simonovits I, et al. **Acta Haematol Pol** 1981 Apr–Jun; 12(2):65–7

Total prevention of Rh hemolytic disease: possible or impossible? Bowman JM. **Am J Pediatr Hematol Oncol** 1981 Fall;3(3):323–30

Rhesus and other antibodies. O'Sullivan JF. **Clin Obstet Gynaecol** 1982 Apr;9(1):91–9

Utilization of Rh prophylaxis. Berger GS, et al. **Clin Obstet Gynecol** 1982 Jun;25(2):267–75

Pregnancy in anti–D donors [letter] Fisher MM. **Lancet** 1982 Sep 11;2(8298):618

Unsuccessful use of absorbed autologous plasma in Rh–incompatible pregnancy [letter] Robinson EA. **N Engl J Med** 1981 Nov 26;305(22):1346

Rh hemolytic disease of the newborn: its cause and prevention. Pollack W. **Prog Clin Biol Res** 1981;70:185–302 (66 ref.)

[The Kleihauer test and directed prevention of hemolytic disease of the newborn caused by materno–fetal Rh isoimmunization] De Luca P, et al. **Arch Ostet Ginecol** 1980 Sep–Oct;85(5):481–94 (Ita)

[The Kleihauer test and directed prevention of hemolytic disease of the newborn due to materno–fetal Rh–factor isoimmunization. Preventive note] De Luca P, et al. **Minerva Ginecol** 1980 Dec;32(12):1179–81 (Ita)

[Treatment for blood group incompatible pregnancy using antibody elimination method] Tatsumi K, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1981 Aug; 33(8):1259–60 (Jpn)

[Plasma exchange in the pregnant rh–sensititized woman] Takahashi H, et al. **Rinsho Ketsueki** 1981 Oct;22(10):1644–7 (Jpn)

[Plasmapheresis in the treatment of Rh isoimmunizations during gravidity (author's transl)] Krišlo V, et al. **Cesk Gynekol** 1981 Apr;46(3):174–7 (Eng. Abstr.) (Slo)

PSYCHOLOGY

Social factors related to rhesus isoimmunization. Barron SL, et al. **J Biosoc Sci** 1982 Jan;14(1):53–8

RADIOGRAPHY

Rhesus babies and radiography. Wrigley J. **Radiography** 1981 May;47(557):109–14

THERAPY

Ultrasound–guided fetal intravenous transfusion for severe rhesus haemolytic disease. Bang J, et al. **Br Med J [Clin Res]** 1982 Feb 6;284(6313):373–4

The potential role of immunosuppression, plasmapheresis, and desensitization as treatment modalities for Rh immunization. Caudle MR, et al. **Clin Obstet Gynecol** 1982 Jun;25(2):313–9

Intrauterine transfusions: new techniques and results. Larkin RM, et al. **Clin Obstet Gynecol** 1982 Jun;25(2):303–12

Anti–C haemolytic disease requiring intrauterine and exchange transfusion. Baker JW, et al. **Med J Aust** 1981 Sep 19;2(6):296

Plasma exchange in the treatment of hemolytic disease of the newborn. Rock G, et al. **Transfusion** 1981 Sep–Oct; 21(5):546–51

[Photodynamic injuries of erythrocytes during illumination with blue light in patients with icterus neonatorum] Jährig D, et al. **Acta Biol Med Ger** 1981;40(6):811–9 (Eng. Abstr.) (Ger)

[Treatment with immunodepressant drugs in neonatal hemolytic disease caused by Rh isoimmunization (preliminary note)] De Luca P, et al. **Arch Ostet Ginecol** 1980 May–Jun;85(3):169–73 (Ita)

[Blood chemical parameters in newborn infants with fetal erythroblastosis during exchange transfusion] Macchia A, et al. **Minerva Ginecol** 1981 Jun;33(6):548–53 (Ita)

[Comparative evaluation of the sorbents for treating hemolytic disease of the newborn by a hemosorption method] Sergienko NS, et al. **Akush Ginekol (Mosk)** 1981 Jun;(6):51–3 (Rus)

ERYTHROBLASTOSIS VIRUS, AVIAN see under **AVIAN LEUKOSIS VIRUSES**

ERYTHROBLASTS see under **ERYTHROCYTES**

ERYTHROCEBUS PATAS see under **CERCOPITHECIDAE**

ERYTHROCRUORINS see under **HEMOGLOBINS**

ERYTHROCYTE AGGREGATION

Effects of increased plasma viscosity and red blood cell aggregation on blood viscosity in vivo. Gustafsson L, et al. **Am J Physiol** 1981 Oct;241(4):H513–8

Hemoconcentration and pre–eclampsia. Heilmann L, et al. **Arch Gynecol** 1981;231(1):7–21

Influence of oxygen tension and hematocrit reading on ESRs of sickle cells. Role of RBC aggregation. Jan K, et al. **Arch Intern Med** 1981 Dec;141(13):1815–8

The equilibrium size distribution of rouleaux. Perelson AS, et al. **Biophys J** 1982 Feb;37(2):515–22

Kinetics of rouleau formation. I. A mass action approach with geometric features. Samsel RW, et al. **Biophys J** 1982 Feb;37(2):493–514

Application of stereological methods to evaluation of aggregation of red cells in 12.5 micrometer slit: a photographic and statistical study. Dintenfass L, et al. **Biorheology** 1981;18(3–6):387–404

Aggregation of red cells with membrane altered by heat treatment. Rakow A, et al. **Biorheology** 1981;18(1):3–8

Effect of plasma proteins and temperature on echogenicity of blood. Sigel B, et al. **Invest Radiol** 1982 Jan–Feb; 17(1):29–33

Filtration measurements to determine the effects of red cell rigidity and aggregation on resistance to flow. Sacks AH, et al. **Microvasc Res** 1981 Nov;22(3):331–44

[Microaggregate formation in buffycoat–free packed red cells (author's transl)] Klose R, et al. **Anaesthesist** 1981 Aug; 30(8):415–20 (Eng. Abstr.) (Ger)

[Aggregation and deformation of erythrocytes (author's transl)] Isogai Y. **Iyodenshi To Seitai Kogaku** 1981 Dec; 19(7):489–97 (40 ref.) (Jpn)

[Rheology of erythrocytes] Isogai Y. **Rinsho Byori** 1981 Jun; (46 Suppl):23–38 (Jpn)

[Various rheological properties of blood in workers exposed to combined harmful effects of the work environment (mainly mechanical vibration and noise) and in patients with a vascular form of vibration disease] Turczyński B. **Pol Tyg Lek** 1981 Sep 21;36(38):1477–9 (Pol)

[Aggregation properties of erythrocytes in the umbilical cord blood of normal and asphyxiated newborn infants] Gordienko VM. **Akush Ginekol (Mosk)** 1982 Jan;(1):19–21 (Eng. Abstr.) (Rus)

[Erythrocyte aggregation in normal newborn infants and those with asphyxia in te first few days of life] Dzhivelegova GD, et al. **Pediatriia** 1981 Nov;(11):19–21 (Eng. Abstr.) (Rus)

[Role of N–acetylneuraminic acid and a negative erythrocyte charge in their aggregation] Levin GIa, et al. **Probl Gematol Pereliv Krovi** 1981 Jun;26(6):6–8 (Eng. Abstr.) (Rus)

DRUG EFFECTS

Investigations of artificial aggregation of washed human erythrocytes caused by decreased pH and reduced ionic strength. Lerche D, et al. **Acta Biol Med Ger** 1980; 39(8–9):973–8

Agglutination of red cells and platelets by glycoprotein (GP I) from platelet membranes. Watanabe K, et al. **Nippon Ketsueki Gakkai Zasshi** 1980 Dec;43(6):1097–102

[New approach to the study of erythrocyte aggregation] Levin GIa, et al. **Biull Eksp Biol Med** 1982 Mar;93(3):94–6 (Eng. Abstr.) (Rus)

[Effect of serum proteins on erythrocyte and thrombocyte aggregation] Mikheian EE, et al. **Patol Fiziol Eksp Ter** 1982 Jan–Feb;(1):23–5 (Eng. Abstr.) (Rus)

[Effect of polyethylene oxides on erythrocyte aggregation] Geller NM, et al. **Polim Med** 1981;11(2):83–93 (Eng. Abstr.) (Rus)

[Effect of curantyl on hemostasis and rheological properties of the blood in chronic ischemic heart disease] Turebaev MN. **Sov Med** 1981;(11):94–6 (Rus)

ERYTHROCYTE AGGREGATION, INTRAVASCULAR

ETIOLOGY

Intravascular aggregation after acute intracranial hypertension by epidural balloon compression in cats. Fujimoto S, et al. **J Neurosurg** 1982 Aug;57(2):210–8

ERYTHROCYTE AGING

Aging of the erythrocyte. VIII. Sensitivity to oxidant factors. Bartosz G. **Acta Biol Med Ger** 1981;40(7–8):985–9

Purine metabolism of human erythrocytes during storage and physiological conditions. de Verdier CH, et al. **Acta Biol Med Ger** 1981;40(4–5):677–82

Sialidase treatment of rat–erythrocytes: a model for cellular aging? Franco M, et al. **Acta Biol Med Ger** 1981;

40(4–5):409–12
Criteria of maturity and age of red blood cells. Gross J, et al. **Acta Biol Med Ger** 1981;40(4–5):665–8
Defined rearrangement of the membrane of banked erythrocytes. Halbhuber KJ, et al. **Acta Biol Med Ger** 1981; 40(4–5):419–21
Rejuvenation of aged erythrocytes by incorporating phosphoenolpyruvate into the cells. Hamasaki N, et al. **Acta Biol Med Ger** 1981;40(4–5):691–7
The IgG autoantibody binding determinant appearing on senescent membranes residues on a 62000 MW peptide. Kay MM. **Acta Biol Med Ger** 1981;40(4–5):385–91
A cell–age specific antigen on senescent human red blood cells. Lutz HU. **Acta Biol Med Ger** 1981;40(4–5):393–400
Separation by counter–current distribution of rat and chicken erythrocytes of different age, and its application to the assay of enzyme activities. Martin M, et al. **Acta Biol Med Ger** 1981;40(7–8):979–84
Disproportional loss of membrane constituents in the course of erythrocyte aging. Trautsch C, et al. **Acta Biol Med Ger** 1981;40(6):743–6
Separation and characterization of red blood cells from newborns and infants during the first trimenon of life using a dextran density gradient: mean cellular volume and mean cellular haemoglobin concentration. Grauel EL, et al. **Acta Haematol (Basel)** 1982;67(2):102–8
Erythrocyte spectrofluorometric abnormalities in myotonic dystrophy during 'in vitro' aging. Brovelli A, et al. **Acta Neurol Belg** 1982 May–Jun;82(3):117–21
Membrane processes in myotonic dystrophy during in vitro aging of erythrocytes. Sandrini G, et al. **Acta Neurol Scand** 1982 Jun;65(6):661–7
Characteristics of enzymes of erythrocytes from newborn infants and adults: activity, thermostability, and electrophoretic profile as a function of cell age. Mohrenweiser HW, et al. **Am J Hematol** 1981 Sep; 11(2):125–36
Membrane alterations in cellular aging: susceptibility of phospholipids in density (age)–separated human erythrocytes to phospholipase A2. Shukla SD, et al. **Arch Biochem Biophys** 1982 Mar;214(1):335–41
Effect of incubation temperature on human red cell survival. Lee MY, et al. **Artif Organs** 1982 Feb;6(1):50–3
Change in cytosolic calmodulin activity of density (age) separated human erythrocytes towards membrane Ca2+/Mg2+ ATPase. Ekholm JE, et al. **Biochem Biophys Res Commun** 1981 Nov 30;103(2):407–13
Enzymatic changes in rat erythrocytes with increasing cell and donor age: loss of superoxide dismutase activity associated with increases in catalytically defective forms. Glass GA, et al. **Biochem Biophys Res Commun** 1981 Dec 31;103(4):1245–53
Human erythrocyte acetylcholinesterase in relation to cell age. Galbraith DA, et al. **Biochem J** 1981 Apr 1; 195(1):221–8
Aging of the erythrocyte. XI. Membrane glycosylation. Bartosz G. **Biochem Med** 1982 Jun;27(3):398–400
Hypoxanthine–guanine phosphoribosyltransferase in human erythroid cells: posttranslational modification. Johnson GG, et al. **Biochemistry** 1982 Mar 2;21(5):960–6
Maturation–related change of the protein kinase activity in the rabbit red blood cells. Clari G, et al. **Biochim Biophys Acta** 1981 Nov 5;677(3–4):403–7
Freeze–fracture characterization of 'young' and 'old' human erythrocytes. Fischbeck KH, et al. **Biochim Biophys Acta** 1982 Feb 23;685(2):207–10
Aging of the erythrocyte XIII. Decrease in nitroxide reducing capacity. Bartosz G, et al. **Biomedicine** 1981 Nov; 35(6):185–7
Relative contributions of the fraction of unfrozen water and of salt concentration to the survival of slowly frozen human erythrocytes. Mazur P, et al. **Biophys J** 1981 Dec; 36(3):653–75
Aging of the erythrocyte. V. Hydrolysis of fluorescein diacetate in red cells. Bartosz G. **Biophys Struct Mech** 1982; 8(3):151–60
Changes in surface area and volume measured by micropipette aspiration for erythrocytes ageing in vivo. Nash GB, et al. **Biorheology** 1980;17(5–6):479–84
Effect of cell shape on extravascular hemolysis. Cosgrove P, et al. **Blood** 1982 Feb;59(2):421–7
A simple technique for preparation of young red cells for transfusion from ordinary blood units. Graziano JH, et al. **Blood** 1982 Apr;59(4):865–8
Glycosylated hemoglobins (GHb): an index of red cell survival. Panzer S, et al. **Blood** 1982 Jun;59(6):1348–50
Determinants of erythrocyte ageing: a reappraisal. Bocci V. **Br J Haematol** 1981 Aug;48(4):515–22 (53 ref.)
Assessment of the sites of red cell destruction using quantitative measurements of splenic and hepatic red cell destruction. Ferrant A, et al. **Br J Haematol** 1982 Apr; 50(4):591–8
Erythrocytic calmodulin correlates with red cell age. Monzon CM, et al. **Br J Haematol** 1982 Jun;51(2):261–4
In vivo ageing of human erythrocytes and cell–surface labeling by D–galactose oxidase and sodium borotritide. Gattegno L, et al. **Carbohydr Res** 1981 Sep 16;95(2):283–90
Aging of the erythrocyte. VI. Accelerated red cell membrane aging in Down's syndrome? Bartosz G, et al. **Cell Biol Int Rep** 1982 Jan;6(1):73–7
Improved method for determining erythrocyte creatine by the diacetyl–alpha–naphthol reaction: elimination of endogenous glutathione interference. Li PK, et al. **Clin Chem** 1982 Jan;28(1):92–6
Human erythrocyte separation according to age on a discontinuous 'Percoll' density gradient. Salvo G, et al. **Clin Chim Acta** 1982 Jul 1;122(2):293–300
Evolution of the major histocompatibility complex. I. Survival of autologous, allogeneic and xenogeneic red blood cells in the lizard tiliqua rugosa. Williams VM, et al. **Dev Comp Immunol** 1981 Fall;5(4):629–38
Mathematical analysis of 51Cr–labelled red cell survival curves in congenital haemolytic anaemias. Kasfiki AG, et al. **Eur J Nucl Med** 1982;7(4):181–3
Aging of the erythrocyte. III. Cation content. Bartosz G, et al. **Experientia** 1981 Jul 15;37(7):723–4
Aging of the erythrocyte. II. Activities of peroxide–detoxifying enzymes. Bartosz G, et al. **Experientia** 1981 Jul 15;37(7):722–3
Aging of the erythrocyte. XIV. ATP content does decrease. Bartosz G, et al. **Experientia** 1982 May 15;38(5):575
Rhodanese and 3–mercaptopyruvate sulphurtransferase activities in human red blood cells of different age groups. Wlodek L. **Folia Biol (Krakow)** 1981;29(3–4):279–86
Age–dependent red cell phagocytosis and activity of the rabbit reticulohistiocytic system. Vömel T, et al. **Gerontology** 1982 May–Jun;28(3):149–55
Erythrokinetics and mechanisms of anaemia in hereditary elliptocytosis and hereditary ovalocytosis. Barosi G, et al. **Haematologica (Pavia)** 1982 Apr;67(2):288–91
The role of cell age in the difference in insulin binding between adult and cord erythrocytes. Polychronakos C, et al. **J Clin Endocrinol Metab** 1982 Aug;55(2):290–4
Red blood cell survival and faecal clearance in sheep infected with Fasciola gigantica. Ogunrinade AF, et al. **J Comp Pathol** 1981 Jul;91(3):381–5
Study of maturation of membrane transport function in red blood cells by X–ray microanalysis. Lee P, et al. **J Membr Biol** 1982;67(2):103–11
Cell survival and glutathione reductase [letter] Magnani M, et al. **J Theor Biol** 1982 Feb 21;94(4):995–7
Survival of autotransfused red blood cells recovered from the surgical field during cardiovascular operations. Ansell J, et al. **J Thorac Cardiovasc Surg** 1982 Sep;84(3):387–91
Aging of the erythrocyte. XII. Protein composition of the membrane. Bartosz G, et al. **Mech Ageing Dev** 1982 May; 19(1):45–52
Aging of the erythrocyte. IX. Fluorescence studies on changes in membrane properties. Bartosz G, et al. **Mech Ageing Dev** 1981 Jul;16(3):265–74
Aging of the erythrocyte. X. Immunoelectrophoretic studies on the denaturation of superoxide dismutase. Bartosz G, et al. **Mech Ageing Dev** 1981 Nov;17(3):237–51
Decrease of carbohydrate in membrane glycoproteins during human erythrocyte ageing in vivo. Gattegno L, et al. **Mech Ageing Dev** 1981 Jul;16(3):205–19
An age–specific cell antigen is present on senescent human red blood cell membranes. A brief note. Lutz HU, et al. **Mech Ageing Dev** 1981 Jan;15(1):65–75
Adult and fetal galactokinases in human red blood cells. Magnani M, et al. **Mech Ageing Dev** 1982 Mar;18(3):215–23
Role of peroxidation in erythrocyte aging. Pfeffer SR, et al. **Mech Ageing Dev** 1982 Apr;18(4):355–67
Lifespan of rabbit erythrocytes and activity of the reticulohistiocyte system. Vömel T, et al. **Mech Ageing Dev** 1981 Nov;17(3):261–6
Methylation at D–aspartyl residues in erythrocytes: possible step in the repair of aged membrane proteins. McFadden PN, et al. **Proc Natl Acad Sci USA** 1982 Apr;79(8):2460–4
Evidence for a relationship between longevity of mammalian species and life spans of normal fibroblasts in vitro and erythrocytes in vivo. Röhme D. **Proc Natl Acad Sci USA** 1981 Aug;78(8):5009–13
GOST, galactose oxidase and sialyl transferase, substrate and receptor sites in erythrocyte senescence. Aminoff D, et al. **Prog Clin Biol Res** 1981;56:269–82
Neocytes and neocyte–gerocyte exchange. Propper RD. **Prog Clin Biol Res** 1982;88:227–33
Red blood cell aging as a model to influence pharmacologically the red cell filterability. Grigoleit HG, et al. **Res Exp Med (Berl)** 1981;179(3):249–54
Erythrocyte survival in patients with porcine xenograft aortic and mitral valves. Rao KR, et al. **South Med J** 1982 Mar; 75(3):296–7
51Chromium survival of Yt(a+) red cells as a determinant of the in vivo significance of anti–Yta. Davey RJ, et al. **Transfusion** 1981 Nov–Dec;21(6):702–5
Transient anti–Gya in an untransfused man. Serologic characteristics and cell survival study. Ellisor SS, et al. **Transfusion** 1982 Mar–Apr;22(2):166–8
Survival of homozygous Coa (Colton) red cells in a patient with anti–Coa. Kurtz SR, et al. **Vox Sang** 1982 Jul; 43(1):28–30
Filtered microaggregate–free erythrocyte concentrates with 35–day shelf life. Lovric VA, et al. **Vox Sang** 1981; 41(1):6–10
[Disappearance of specific membrane components during reticulocyte maturation in sheep] Johnstone RM, et al. **Rev Can Biol Exp** 1982 Mar;41(1):77–81 (Eng. Abstr.) **(Fre)**
[The creatine levels—a criterion for preservation damage in erythrocytes?] Stibenz D, et al. **Folia Haematol (Leipz)** 1981;108(6):809–12 (Eng. Abstr.) **(Ger)**
[Importance of the cell membrane for the sequestration of aged erythrocytes] Halbhuber KJ, et al. **Gegenbaurs Morphol Jahrb** 1981;127(5):605–9 (Eng. Abstr.) **(Ger)**
[Maturation processes in the plasmalemma of erythroid cells] Linss W, et al. **Gegenbaurs Morphol Jahrb** 1981; 127(5):601–4 (Eng. Abstr.) **(Ger)**
[Rheology, metabolism and oxygen transport in old and young erythrocytes in arterial occlusive disease] Goebel KM, et al. **Schweiz Med Wochenschr** 1981 Oct 10; 111(41):1538–9 (Eng. Abstr.) **(Ger)**
[Elimination of old erythrocytes from the circulation: exposure of a cell–age specific antigen on aging erythrocytes] Lutz HU. **Schweiz Med Wochenschr** 1981 Oct 10;111(41):1507–17 (Eng. Abstr.) **(Ger)**
[Washed erythrocyte concentrate, degree of purity and cell vitality] Strauss D, et al. **Z Gesamte Inn Med** 1981 Jul 1; 36(13):443–8 (Eng. Abstr.) **(Ger)**
[Separation of erythrocytes from full–term infants into different age populations] Berti D, et al. **Boll Soc Ital Biol Sper** 1982 May 15;58(9):551–5 (Eng. Abstr.) **(Ita)**
[Analysis of the spleen hemodynamics in reference to red cell destruction (author's transl)] Takahashi Y. **Rinsho Ketsueki** 1981 May;22(5):592–607 (Eng. Abstr.) **(Jpn)**
[Spleen and red cell destruction (author's transl)] Uchida T. **Rinsho Ketsueki** 1981 May;22(5):608–13 **(Jpn)**
[Erythrocyte survival in iron deficiency] Sakhibov IaD. **Ter Arkh** 1981;53(9):102–6 (Eng. Abstr.) **(Rus)**

DRUG EFFECTS

Erythrocyte survival in sheep exposed to ozone. Moore GS, et al. **Bull Environ Contam Toxicol** 1981 Jul;27(1):126–38
Effects of sphingolipids on erythroblastic maturation in the mouse. Scaro JL, et al. **Experientia** 1982 Mar 15;38(3):401–3
Studies of factors regulating the ageing of human erythrocytes–IV. Influence of physiological proteinase inhibitors. Bocci V, et al. **Int J Biochem** 1981; 13(12):1257–60
A simplified method for quality control of deglycerolized eryithrocytes. Silver H, et al. **Transfusion** 1982 May–Jun; 22(3):254–6
Red blood cell concentrates stored at 4 degrees C for 34 days in CPDA–1, CPDA–2, or CPDA–3 anticoagulant–preservative, biochemically modified, and frozen and stored in the polyvinyl chloride plastic primary collection bag with 40% W/V glycerol at –80 degrees C. Valeri CR, et al. **Transfusion** 1982 Mar–Apr;22(2):102–6
Viability and function of red blood cell concentrates stored at 4 degrees C for 35 days in CPDA–1, CPDA–2, or CPDA–3. Valeri CR, et al. **Transfusion** 1982 May–Jun; 22(3):210–6
Posttransfusion viability of rabbit erythrocytes preserved in a medium containing inosine, adenine, and isoosmotic sucrose. Nakao T, et al. **Vox Sang** 1982;42(4):217–22
[Asymptomatic autoimmune hemolysis linked to alpha–methyldopa. Importance of the study of erythrocyte survival in vivo] Habibi B, et al. **Rev Fr Transfus Immunohematol** 1982 Jun;25(3):321–3 **(Fre)**

ERYTHROCYTE COUNT

Reticulocyte counts. Crosby WH. **Arch Intern Med** 1981 Dec;141(13):1747–8
Effect of exercise on erythrocyte count and blood activity concentration after technetium–99m in vivo red blood cell labeling. Konstam MA, et al. **Circulation** 1982 Sep; 66(3):638–42
Glycosylated haemoglobin and reticulocyte count in diabetes [letter] Giugliano D. **Diabetologia** 1982 Mar;22(3):223
The negative correlation between erythrocyte concentration and mean corpuscular haemoglobin or mean corpuscular volume in normal dogs. Berger J. **Experientia** 1981; 37(8):906–7
Peripheral haematocrit modulates erythropoietin production and kinetics of reticulocytes in chronic uraemic patients. Walle A, et al. **Proc Eur Dial Transplant Assoc** 1981; 18:633–7
Predictive equations for normal red cell values at altitudes from sea level to 2,670 meters. Ruiz–Argüelles GJ, et al. **Rev Invest Clin** 1981 Apr–Jun;33(2):191–3
Comparative haematological studies in some fresh water Indian fishes. Goel KA, et al. **Z Tierphysiol Tiernahr Futtermittelkd** 1981;46(4):202–6
[The effect of environment and physical exercise on red blood count in elite female swimmers (author's transl)] Lisý Z. **Cas Lek Cesk** 1982 Jan 22;121(3):74–7 (Eng. Abstr.) **(Cze)**
[Transplantation of bone marrow cells. Changes in the number of leucocytes, thrombocytes and reticulocytes in relation to the interval after transplantation (author's transl)] Viktora L, et al. **Cas Lek Cesk** 1980 Oct 10; 119(40–41):1111–3 (Eng. Abstr.) **(Cze)**
[Experimental gerontologic transversal examination of rat blood cells paying special regard to daily variations (author's transl)] Pav E, et al. **Aktuel Gerontol** 1981 Nov; 11(6):195–9 (Eng. Abstr.) **(Ger)**
[Erythrocyte volume of patients with mitral valve defects and circulatory failure] Pashinian ER, et al. **Lab Delo** 1982; (6):57–8 **(Rus)**
[Testing the vitality of the head of the femur by means of

the femur head puncture (author's transl)] Kováč M. **Acta Chir Orthop Traumatol Cech** 1981;48(6):510–3 (Eng. Abstr.) **(Slo)**

[Use of the 'minute count' of urinary erythrocytes in the genetic assessment of families with Alport's disease] Guizar-Vázquez J, et al. **Bol Med Hosp Infant Mex** 1982 May;39(5):349–53 (Eng. Abstr.) **(Spa)**

METHODS

[Automated reticulocyte counting (author's transl)] Horiuchi H, et al. **Iyodenshi To Seitai Kogaku** 1981 Feb;19(1):9–16 (Eng. Abstr.) **(Jpn)**

ERYTHROCYTE HEMOGLOBIN, MEAN CELL see **ERYTHROCYTE INDICES**

ERYTHROCYTE INCLUSIONS see under **ERYTHROCYTES, ABNORMAL**

ERYTHROCYTE INDICES

Interference of serum tonicity with the measurement of red cell mean corpuscular volume. Decaux G, et al. **Acta Haematol (Basel)** 1982;67(1):62–6

Separation and characterization of red blood cells from newborns and infants during the first trimenon of life using a dextran density gradient: mean cellular volume and mean cellular haemoglobin concentration. Grauel EL, et al. **Acta Haematol (Basel)** 1982;67(2):102–8

Spurious elevation of the electronically determined mean corpuscular volume and hematocrit caused by hyperglycemia. Holt JT, et al. **Am J Clin Pathol** 1982 May; 77(5):561–7

Internal quality control for automated hematology instrumentation based on monitoring average patient erythrocyte indices [letter] Ross JW. **Am J Clin Pathol** 1981 Oct;76(4):502–3

Hematological abnormalities in triploidy. Pai GS, et al. **Am J Dis Child** 1982 Apr;136(4):367–9

Erythrocyte indices in cystic fibrosis. Warwick WJ, et al. **Am J Med Technol** 1982 Jun;48(6):539–42

Capillary network geometry and red cell distribution in hamster cremaster muscle. Klitzman B, et al. **Am J Physiol** 1982 Feb;242(2):H211–9

Effect of drinking on correlations between biochemical variables. Whitfield JB, et al. **Ann Clin Biochem** 1981 May; 18(Pt 3):143–5

Geometric, osmotic, and membrane mechanical properties of density-separated human red cells. Linderkamp O, et al. **Blood** 1982 Jun;59(6):1121–7

Hemoglobin concentration, hematocrit and red cell index values in metropolitan San Juan children and adolescents. Santiago Borrero PJ. **Bol Asoc Med PR** 1981 Nov; 73(11):538–47

Macrocytosis in pregnancy: iron as limiting factor [letter] Celada A. **Br J Haematol** 1982 Aug;51(4):662

Effects of smoking and the pill on the blood count. Dodsworth H, et al. **Br J Haematol** 1981 Nov;49(3):484–8

Changes in the mean corpuscular red cell volume in women with beta-thalassaemia trait during pregnancy. Lewis D, et al. **Br J Haematol** 1982 Mar;50(3):423–5

Red cell volume in diabetes [letter] Beautyman W. **Diabetologia** 1982 Mar;22(3):220

Is diabetes responsible for an increase of the mean red cell volume? [letter] Papoz L, et al. **Diabetologia** 1981 Oct; 21(4):427

Erythrocyte deformability in dialysed and non-dialysed uraemic patients. Inauen W, et al. **Eur J Clin Invest** 1982 Apr;12(2):173–6

Erythrocyte indices during a competitive marathon. Kolka MA, et al. **J Appl Physiol** 1982 Jan;52(1):168–72

Biochemical diagnosis of alcoholism. A test of the discriminating capabilities of gamma-glutamyl transpeptidase and mean corpuscular volume. Eckardt MJ, et al. **JAMA** 1981 Dec 11;246(23):2707–10

Mean corpuscular volume and anemia [letter] Schmidt PJ. **JAMA** 1981 Oct 23–30;246(17):1899

Vitamin B12 deficiency and early rise in mean corpuscular volume [letter] Smith TJ, et al. **JAMA** 1982 Feb 26; 247(8):1126

Predictive equations for normal red cell values at altitudes from sea level to 2,670 meters. Ruiz-Argüelles GJ, et al. **Rev Invest Clin** 1981 Apr–Jun;33(2):191–3

Red cells, serum iron and total iron-binding capacity in three population groups in Natal. Brain P. **S Afr Med J** 1982 May 1;61(18):669–71

[Hematologic changes in nutritional lead deficiency] Reichlmayr-Lais AM, et al. **Ann Nutr Metab** 1981; 25(5):281–8 (Eng. Abstr.) **(Ger)**

[The MVC2-MCH/RBC formula, a new linear function discriminating the thalassemia trait: its reliability and comparative values] Dore F, et al. **Boll Soc Ital Biol Sper** 1981 Apr 15;57(7):822–7 (Eng. Abstr.) **(Ita)**

[Erythrocyte indices of rabbits in a hot, humid climate] Bulygin AN, et al. **Biull Eksp Biol Med** 1981 Oct; 91(10):394–5 (Eng. Abstr.) **(Rus)**

[Modification of the method of studying erythrocyte deformability] Levin GIa, et al. **Lab Delo** 1981;(9):527–9 (Eng. Abstr.) **(Rus)**

[Changes in erythrocyte physicochemical indices during hemosorption in patients with acute peritonitis and pancreatitis] Terekhov NT, et al. **Probl Gematol Pereliv Krovi** 1982 May;27(5):6–8 (Eng. Abstr.) **(Rus)**

DRUG EFFECTS

Osmotic error in erythrocyte volume determinations. Beautyman W, et al. **Am J Hematol** 1982 Jun;12(4):383–9

VETERINARY

The negative correlation between erythrocyte concentration and mean corpuscular haemoglobin or mean corpuscular volume in normal dogs. Berger J. **Experientia** 1981; 37(8):906–7

[Reference values of hemoglobin content, the hematocrit and mean concentration of corpuscular hemoglobin in rearing calves without iron substitution. 2. Dependence on live weight and age] Bünger U, et al. **Arch Tierernahr** 1981 Dec;31(11–12):801–16 (Eng. Abstr.) **(Ger)**

ERYTHROCYTE MEMBRANE see under **ERYTHROCYTES**

ERYTHROCYTE NUMBER see **ERYTHROCYTE COUNT**

ERYTHROCYTE SEDIMENTATION see **BLOOD SEDIMENTATION**

ERYTHROCYTE SIZE DETERMINATION see **ERYTHROCYTE INDICES**

ERYTHROCYTE SUBSTITUTES see **BLOOD SUBSTITUTES**

ERYTHROCYTE VOLUME

Erythrocyte volume distribution analysis in healthy dogs, cats, horses, and dairy cows. Weiser MG. **Am J Vet Res** 1982 Jan;43(1):163–6

Use of crystalline hemoglobin as replacement of RBC mass. Hauser CJ, et al. **Arch Surg** 1982 Jun;117(6):782–6

Physiological dilution of blood in the microvasculature. Gaehtgens P, et al. **Bibl Haematologica** 1981;47:5–13

Compensatory mechanisms for acute dilutional anemia. Messmer K. **Bibl Haematologica** 1981;47:31–42

Measurement of red cell volume and splenic red cell pool using 113m indium. Radia R, et al. **Br J Haematol** 1981 Dec;49(4):587–91

Red blood cell volume in preterm neonates. Quaife MA, et al. **Clin Nucl Med** 1981 Oct;6(10):476–8

The mean red cell volume in diabetes mellitus. Davidson RJL, et al. **Diabetologia** 1981 May;20(5):583–4

Blood doping and related issues: a brief review. Gledhill N. **Med Sci Sports Exerc** 1982;14(3):183–9

Changes in red cell mass, plasma volume and haematocrit in patients on continuous ambulatory peritoneal dialysis. de Paepe M, et al. **Proc Eur Dial Transplant Assoc** 1981; 18:286–9

Erythrocyte changes during training in high school women cross-country runners. Puhl JL, et al. **Res Q Exerc Sport** 1981 Dec;52(4):484–94

Serum ferritin and mean corpuscular volume as predictors of bone marrow iron stores. Brink S, et al. **S Afr Med J** 1982 Mar 20;61(12):432–4

[Preservation of erythrocyte volume with low leukocyte content by freezing] Fiala J. **Cas Lek Cesk** 1980 Oct 10; 119(40–41):1075–8 (Eng. Abstr.) **(Cze)**

[Experimental gerontologic transversal examination of rat blood cells paying special regard to daily variations (author's transl)] Pav E, et al. **Aktuel Gerontol** 1981 Nov; 11(6):195–9 (Eng. Abstr.) **(Ger)**

[Effect of the blood flow rate in the carotid artery on the hematocrit of the blood distributed to the brain] Mchedlishvili GI, et al. **Biull Eksp Biol Med** 1982 May; 93(5):12–4 (Eng. Abstr.) **(Rus)**

[Erythrocyte volume of patients with mitral valve defects and circulatory failure] Pashinian ER, et al. **Lab Delo** 1982; (6):57–8 **(Rus)**

DRUG EFFECTS

Changes in volume and morphology of erythrocytes in NH4Cl-, NH4HCO3-mediated hemolysis. Takeda T, et al. **Nippon Ketsueki Gakkai Zasshi** 1982 Feb;45(1):26–30

ERYTHROCYTE VOLUME, MEAN CELL see **ERYTHROCYTE INDICES**

ERYTHROCYTE VOLUME, PACKED see **HEMATOCRIT**

ERYTHROCYTES

Separation by counter-current distribution of rat and chicken erythrocytes of different age, and its application to the assay of enzyme activities. Martin M, et al. **Acta Biol Med Ger** 1981;40(7–8):979–84

Storage of erythrocytes at temperatures -20 to -24 degrees C. Daszyński J, et al. **Acta Med Pol** 1981;22(2):151–60

99mTc red blood cells for detection of gastrointestinal bleeding: experience with 80 patients. McKusick KA, et al. **AJR** 1981 Dec;137(6):1113–8

Primary renal origin of hematuria: importance of RBC casts and urinary sediment exam technique. Schiffleri JA. **Am Heart J** 1982 Apr;103(4 Pt 1):573–4

Transient erythroblastopenia of childhood. Review of 17 cases, including a pair of identical twins. Labotka RJ, et al. **Am J Dis Child** 1981 Oct;135(10):937–40

Modern autotransfusion. Experience with a washed red cell processing technique. Sharp WV, et al. **Am J Surg** 1981 Oct;142(4):522–4

Liquid preservation of baboon red blood cells in acid-citrate-dextrose or citrate-phosphate-dextrose anticoagulant: effects of washing liquid-stored red blood cells. Valeri CR, et al. **Am J Vet Res** 1981 Jun;42(6):1011–3

Labeling of pigeon erythrocyte membrane proteins by low-level reductive methylation. Jones SW, et al. **Anal Biochem** 1981 Nov 1;117(2):459–65

Autologous transfusion and the preservation of frozen red blood cells. Fredricks S, et al. **Ann Plast Surg** 1982 Jun; 8(6):486–92

Solid and liquid behavior of red cell membrane. Hochmuth RM. **Annu Rev Biophys Bioeng** 1982;2:43–55 (25 ref.)

Some genetic erythrocyte polymorphisms in the Mbugu and other populations of the Central African Republic with an analysis of genetic distances. Spedini G, et al. **Anthropol Anz** 1981 Feb;39(1):10–9

Targeting of monoclonal antibody-coated liposomes to sheep red blood cells. Harsch M, et al. **Biochem Biophys Res Commun** 1981 Dec 15;103(3):1069–76

Effect of phospholipids, triton X-100 and biological membranes on redox systems involving tetrazolium salt reduction. its implications for the assay of enzymatic activities. Massa EM, et al. **Biochem Biophys Res Commun** 1982 Feb 26;104(4):1623–9

Separation of haemopoietic cells for biochemical investigation. Preparation of erythroid and myeloid cells from human and laboratory-animal bone marrow and the separation of erythroblasts according to their state of maturation. Harrison FL, et al. **Biochem J** 1981 Mar 15; 194(3):789–96

Reductive methylation of membrane proteins in human erythrocyte ghosts. Butterfield DA, et al. **Biosci Rep** 1982 Apr;2(4):235–9

Mode of action of the IgG inhibitor of erythropoiesis in transient erythroblastopenia of children. Dessypris EN, et al. **Blood** 1982 Jan;59(1):114–23

A technique to detect reduced mechanical stability of red cell membranes: relevance to elliptocytic disorders. Mohandas N, et al. **Blood** 1982 Apr;59(4):768–74

Discovery of the red blood cell with notes on priorities and credits of discoveries, past, present and future. Bessis M, et al. **Blood Cells** 1981;7(3):447–80

Preparation of leucocyte- and platelet-poor red cell concentrates. Koerner K, et al. **Blut** 1982 May;44(5):305–8

Origin of crystalloid inclusions in macrophages I: studies of peritoneal macrophages after erythrocyte ingestion. Ali BA, et al. **Br J Exp Pathol** 1981 Dec;62(6):655–61

Analysis of heat-damaged erythrocyte clearance curves. Peters AM, et al. **Br J Haematol** 1981 Dec;49(4):581–6

Measurement of red cell volume and splenic red cell pool using 113m indium. Radia R, et al. **Br J Haematol** 1981 Dec;49(4):587–91

Erythroid progenitors in paroxysmal nocturnal haemoglobinuria. Urabe A, et al. **Br J Haematol** 1982 Feb; 50(2):295–8

Use of transferrin as a gene-carrier to the erythroid cells of the marrow. Stavridis JC, et al. **Cell Mol Biol** 1982; 28(1):15–8

Independent protection provided by red blood cells during cardioplegia. Bing OH, et al. **Circulation** 1982 Aug;66(2 Pt 2):181–4

Visualization of cutaneous hemangioma with Tc-99m tagged red blood cells. Gordon L, et al. **Clin Nucl Med** 1981 Oct; 6(10):468–9

Potential pitfalls in the interpretation of erythrocyte scintigraphy for gastrointestinal hemorrhage. Haseman MK. **Clin Nucl Med** 1982 Jul;7(7):309–10

Hemobilia detected by Tc-99m labeled red blood cells. Winzelberg GG, et al. **Clin Nucl Med** 1982 Jan;7(1):36–7

Unusual bone marrow visualization with 99mTc-damaged erythrocytes. Dolgova-Korubin V, et al. **Eur J Nucl Med** 1982;7(5):240–1

99mTc labeled red blood cells versus gamma-phlebography in diagnosis of deep vein thrombosis [letter] Jacolot G, et al. **Eur J Nucl Med** 1982;7(2):97

Comparative evaluation of red cell-labeling parameters of three lipid-soluble- 111In-chelates: effect of lipid solubility on membrane incorporation and stability constant on transchelation. Rao SA, et al. **Eur J Nucl Med** 1982; 7(6):282–5

Depolarization of fluorescence depletion. A microscopic method for measuring rotational diffusion of membrane proteins on the surface of a single cell. Johnson P, et al. **FEBS Lett** 1981 Sep 28;132(2):252–6

Partition behavior of cells and soluble substances in two-polymer aqueous phase systems. Comments on Zaslavsky's general rule. Walter H, et al. **FEBS Lett** 1981 Aug 17;131(1):73–6

Conformational changes of spin-labeled membrane proteins in human erythrocytes. Yamaguchi T, et al. **FEBS Lett** 1982 May 3;141(1):53–5

An advance in identification and localization of gastrointestinal hemorrhage. Hattner R, et al. **Gastroenterology** 1982 Aug;83(2):484–5

An evaluation of 99mTc-labeled red blood cell scintigraphy

for the detection and localization of gastrointestinal bleeding sites. Markisz JA, et al. **Gastroenterology** 1982 Aug;83(2):394–8

Two methods for the removal of erythrocytes from buffy coats for the production of human leukocyte interferon. van Oss CJ, et al. **Immunol Commun** 1981;10(6):549–55

Involvement of membrane-associated sialic acid in the resistance of sheep erythrocytes to lysis by mouse complement. Rademaker PM, et al. **Immunol Lett** 1981 Oct; 3(4):221–5

Fragility of erythrocyte membranes in patients with vibration disease: a preliminary report. Ohno H, et al. **Ind Health** 1981;19(4):263–6

Effect of splenic sequestration of erythrocytes on splenic clearance function and susceptibility to septic peritonitis. Grover GJ, et al. **Infect Immun** 1982 Apr;36(1):96–102

The bio-artificial organ: review and progress report. Schmer G, et al. **Int J Artif Organs** 1981 Mar;4(2):96–101

Cell surface labeling by iodine monochloride. Victoria EJ, et al. **Int J Biochem** 1981;13(9):1011–7

Improvement of blood pool imaging using in vivo labeling of red blood cells. Esquerré JP, et al. **Int J Nucl Med Biol** 1982;9(1):71–3

Effects of pH on membrane fluidity of human erythrocytes. Yamaguchi T, et al. **J Biochem (Tokyo)** 1982 Apr; 91(4):1299–304

Erythroblast cell lines transformed by a temperature-sensitive mutant of avian erythroblastosis virus: a model system to study erythroid differentiation in vitro. Beug H, et al. **J Cell Physiol** 1982;Suppl 1:195–207

Heterogeneity among dog red blood cells. Parker JC. **J Gen Physiol** 1981 Aug;78(2):141–50

Studies on erythrocyte membranes of patients with Huntington's disease. Dubbelman TM, et al. **J Neurol Neurosurg Psychiatry** 1981 Jul;44(7):570–3

Thyroid uptake of Tc-99m compromising in vivo RBC tagging. Abdel-Nabi H, et al. **J Nucl Med** 1981 Nov; 22(11):1018–9

A modified method for the in vivo labeling of red blood cells with Tc-99m: concise communication. Callahan RJ, et al. **J Nucl Med** 1982 Apr;23(4):315–8

Splenic scintigraphy using Tc-99m-labeled heat-denatured red blood cells in pediatric patients: concise communication. Ehrlich CP, et al. **J Nucl Med** 1982 Mar; 23(3):209–13

Determination of bone blood supply with Tc-99m red blood cells and In-113m transferrin in fractures of femoral neck: concise communication. Kempi V, et al. **J Nucl Med** 1982 May;23(5):400–3

Cost-effective use of stannous pyrophosphate [letter] Sands M, et al. **J Nucl Med** 1981 Oct;22(10):932

Detection of pulmonary hemorrhage with technetium-labeled red cells. Winzelberg GG, et al. **J Nucl Med** 1981 Oct;22(10):884–5

Detection of peripheral soft tissue hemangioma with 99mTc-labeled red blood cell pool imaging. Johnson RA, et al. **J Pediatr Orthop** 1982 Jun;2(2):183–6

Storage of turkey erythrocytes for use in virus haemagglutination assays. Liddell KG, et al. **J Virol Methods** 1980;1(4):209–11

Segmented erythrocytes mistaken for platelets [letter] Kohn D, et al. **JAMA** 1982 Jun 11;247(22):3083

Photo/essay. Birth of the red cell. Tavassoli M, et al. **JAMA** 1982 May 7;247(17):2416–7

An improved procedure for the isolation of ghost membranes from human red blood cells[letter] Burton GW, et al. **Lipids** 1981 Dec;16(12):946

Blood-loss studies for new non-steroidal anti-inflammatory drugs [letter] Mitchell H, et al. **Med J Aust** 1982 Apr 17; 1(8):328

Frozen storage of small volumes of glycerolized red cells--a new method for recovery. Dynan PK. **Med Lab Sci** 1981 Jul;38(3):273–5

Diversity of cholesterol exchange explained by dissolution into water. Bojesen E. **Nature** 1982 Sep 16;299(5880):276–8

Disintegration of chicken erythrocyte hemoglobin ingested by guinea pig macrophages in vivo. Fujimori K, et al. **Nippon Ketsueki Gakkai Zasshi** 1981 Feb;44(1):183–6

Demonstration of delayed duodenal bleeding by 99Tc labeled red cells. Bauer R, et al. **Nuklearmedizin** 1982 Feb; 21(1):46–7

Ghost cell glaucoma following trauma. Campbell DG. **Ophthalmology (Rochester)** 1981 Nov;88(11):1151–8

Erythrocyte membranes 2. Recent clinical and experimental advances. Proceedings of the second workshop, Ann Arbor, Michigan, September 28, 1980. **Prog Clin Biol Res** 1981;56:1–287

Prevention of transfusion reactions by the use of saline washed red blood cells. Goldfinger D. **Prog Clin Biol Res** 1981;65:59–67

99mTc red blood cell venography in deep vein thrombosis of the leg: a correlation with contrast venography. Lisbona R, et al. **Radiology** 1982 Jun;143(3):771–3

Red cell filterability and chronic renal failure. Decamps A, et al. **Scand J Clin Lab Invest [Suppl]** 1981;156:177–9

Filterability and vascular disease--II. Red cell filterability after myocardial infarction. Dormandy J, et al. **Scand J Clin Lab Invest [Suppl]** 1981;156:195–8

Red blood cell filterability and occlusive arterial disease. Ehrly AM, et al. **Scand J Clin Lab Invest [Suppl]** 1981; 156:181–4

Filterability and cerebro-vascular disease. Emeriau JP, et al. **Scand J Clin Lab Invest [Suppl]** 1981;156:217–20

Red cell filterability in diabetes. Isogai Y, et al. **Scand J Clin Lab Invest [Suppl]** 1981;156:171–3

Erythrocyte filtration and smoking. Landgraf H, et al. **Scand J Clin Lab Invest [Suppl]** 1981;156:199–201

Filterability and cerebro-vascular thrombosis. Study on the mechanism. Lorient-Roudaut MF, et al. **Scand J Clin Lab Invest [Suppl]** 1981;156:203–8

Filterability and vascular disease—I. Red cell filterability in diabetes mellitus: its relation to other methods of measuring deformability and to blood viscosity. Oughton J, et al. **Scand J Clin Lab Invest [Suppl]** 1981;156:151–4

Biochemical approach. Red blood cell biomembrane structure and deformability. Rice-Evans C, et al. **Scand J Clin Lab Invest [Suppl]** 1981;156:99–110 (43 ref.)

Red blood cell filterability in non-diabetic patients with chronic occlusive arterial disease. Ridet JM, et al. **Scand J Clin Lab Invest [Suppl]** 1981;156:189–91

Detection of splenosis and ectopic spleens with 99mTc-labelled heat damaged autologous erythrocytes in 90 splenectomized patients. Nielsen JL, et al. **Scand J Haematol** 1981 Jul;27(1):51–6

Detection of gastrointestinal bleeding with 99mTc-labeled red blood cells. Winzelberg GG, et al. **Semin Nucl Med** 1982 Apr;12(2):139–46

Inhibitory effect of microvesicles collected from stored blood on platelet aggregation. Daveloose D, et al. **Thromb Res** 1981 Apr 1–15;22(1–2):195–201

Automated suspension of washed erythrocytes in fresh-frozen plasma for exchange transfusion. Obtaining a desired hematocrit. Wenk RE, et al. **Transfusion** 1981 Nov-Dec;21(6):690–2

Structural and biochemical analysis of the Mcleod erythrocyte membrane. I. Freeze fracture and discontinuous polyacrylamide gel electrophoresis analysis. Glaubensklee CS, et al. **Vox Sang** 1982;45(5):262–71

Effectiveness of red blood cells filtered through cotton wool to prevent antileukocyte antibody production in multitransfused patients. Sirchia G, et al. **Vox Sang** 1982; 42(4):190–7

[Surgical application of frozen red cells (author's transl)] Xu ZB. **Chung Hua I Hsueh Tsa Chih** 1981 May;61(5):282–3 (Eng. Abstr.) **(Chi)**

[Pure red cell aplasia and chronic leukemia. Usefulness of ferrokinetic measurements (author's transl)] Viala JJ, et al. **Nouv Rev Fr Hematol** 1981;23(4):213–8 (Eng. Abstr.) **(Fre)**

[Clinical value of ascorbic acid disorders in determining glucose and erythrocytes on urine test strips] Seiler D, et al. **Med Lab (Stuttg)** 1981 Dec;34(12):327–30 **(Ger)**

[Rheology of erythrocytes and splenectomy in congenital hemolytic anemias (author's transl)] Tillmann W, et al. **Monatsschr Kinderheilkd** 1982 May;130(5):254–66 (Eng. Abstr.) **(Ger)**

[Cytogenetical studies on erythropoietic and myelopoietic progenitor cells in vitro in chronic myelogenous leukemia (author's transl)] Grilli G, et al. **Haematologica (Pavia)** 1981 Dec;66(6):733–9 (Eng. Abstr.) **(Ita)**

[Studies on in vivo labeling rate of red blood cells eith 99mTc-pertechnetate in radionuclide angiography (author's transl)] Hayashida K, et al. **Kaku Igaku** 1981 May; 18(4):495–501 (Eng. Abstr.) **(Jpn)**

[Radionuclide cardioangiography by in vivo labeling of RBC with 99mTc and effective radiation protection (author's transl)] Hayashida K, et al. **Radioisotopes** 1981 Sep; 30(9):508–10 **(Jpn)**

[Fusion injection--a microinjection method using erythrocyte ghosts as a vector (author's transl)] Furusawa M. **Seikagaku** 1981;53(9):1066–9 **(Jpn)**

[Use of an isotonic 203Pb solution without a carrier for an erythrocyte label] Prokof'eva ISh, et al. **Med Radiol (Mosk)** 1981 Aug;26(8):28–32 (Eng. Abstr.) **(Rus)**

[Time limits for preservation of erythrocyte masses at 4 plus or minus 2 degrees C and its suitability for clinical use] Petrov MM, et al. **Probl Gematol Pereliv Krovi** 1982; 27(1):19–21 (Eng. Abstr.) **(Rus)**

ANALYSIS

Membrane lipid components of normal and glucose-6-phosphate dehydrogenase-deficient erythrocytes of asymptomatic and favic subjects. De Flora A, et al. **Acta Biol Med Ger** 1981;40(4–5):563–70

Purine metabolism of human erythrocytes during storage and physiological conditions. de Verdier CH, et al. **Acta Biol Med Ger** 1981;40(4–5):677–82

Receptors for BK virus on human erythrocytes. Seganti L, et al. **Acta Virol (Praha)** 1981 Jul;25(4):177–81

Nucleotide concentrations in leucocytes and their use in controlling the quality of cell preparations. Harkness RA, et al. **Adv Exp Med Biol** 1982;141:583–90

Copper levels in plasma and erythrocytes in healthy Japanese children and adults. Hatano S, et al. **Am J Clin Nutr** 1982 Jan;35(1):120–6

Erythrocyte zinc [letter] Robson JR, et al. **Am J Clin Nutr** 1981 Sep;34(9):1983

Problems in measurement of erythrocyte calcium. O'Rear EA, et al. **Am J Hematol** 1981 Nov;11(3):283–92

High resolution two-dimensional gel electrophoresis of human erythrocyte membrane proteins. Copeland BR, et al. **Am J Hum Genet** 1982 Jan;34(1):15–31

Spin label electron paramagnetic resonance (EPR) studies of Huntington disease erythrocyte membranes. Fung LW, et al. **Am J Hum Genet** 1982 May;34(3):469–80

Erythrocyte calmodulin in chronic schizophrenia. Schreiber WE, et al. **Am J Psychiatry** 1982 Jan;139(1):106–8

RBC and plasma levels of haloperidol and clinical response in schizophrenia. Smith RC, et al. **Am J Psychiatry** 1982 Aug;139(8):1054–6

Red blood cell sodium content and permeability changes in hemorrhagic shock. Illner HP, et al. **Am J Surg** 1982 Mar; 143(3):349–55 (73 ref.)

Fatty acid composition of equine erythrocytes. Luther DG, et al. **Am J Vet Res** 1982 Jun;43(6):1006–8

Analysis of biological thiols: derivatization with monobromobimane and separation by reverse-phase high-performance liquid chromatography. Newton GL, et al. **Anal Biochem** 1981 Jul 1;114(2):383–7

Determination of the intracellular pH of intact erythrocytes by 1H NMR spectroscopy. Rabenstein DL, et al. **Anal Biochem** 1982 Apr;121(2):423–32

Evaluation of erythrocyte protoporphyrin and zinc protoporphyrin as micro screening procedures for lead poisoning detection. Bush B, et al. **Ann Clin Biochem** 1982 Mar;19(Pt 2):71–6

Purification and characterization of the major sialoglycoproteins of the rat erythrocyte membrane. Edge AS, et al. **Arch Biochem Biophys** 1981 Jul;209(2):697–705

Immunochemical study of the blood group-active poly(glycosyl) ceramides isolated from human erythrocytes. Gardas A. **Arch Biochem Biophys** 1982 Jul; 216(2):440–8

Origin of plasma protoporphyrin in patients with erythropoietic protoporphyria [letter] Johnson JA, et al. **Arch Dermatol** 1981 Sep;117(9):526–7

Calcium content of RBCs from patients with amyotrophic lateral sclerosis. Felmus MT, et al. **Arch Neurol** 1982 Jul; 39(7):454

Detection of fetomaternal hemorrhage [letter] Krauss JS. **Arch Pathol Lab Med** 1982 Aug;106(8):423

Myocardial infarction. Changes in the concentrations of high-energy compounds and free amino acids in erythrocytes. Kędziora H, et al. **Atherosclerosis** 1981 Nov-Dec;40(3–4):359–64

The fatty acids of erythrocytes of myocardial infarction patients. Lea EJ, et al. **Atherosclerosis** 1982 Feb; 41(2–3):363–9

Sex difference in human erythrocyte potassium levels. Dowton SB, et al. **Aust J Exp Biol Med Sci** 1981 Jun;59(Pt 3):369–70

Blood red cells-alpha actinin: a likely relationship to cell membrane and co-capping with surface receptors. Alia EE, et al. **Basic Appl Histochem** 1982;26(2):131–2

Proton-enhanced 13C NMR of normal human erythrocytes: characterization of motionally restricted molecules. Ackerman SK, et al. **Biochem Biophys Res Commun** 1982 Jun 30;106(4):1161–8

Electron spin resonance studies of the effects of naturally-occurring excitotoxic amino acid analogues on the physical state of membrane proteins in human erythrocytes. Butterfield DA, et al. **Biochem Biophys Res Commun** 1981 Sep 16;102(1):190–6

Electrophoretical characterization of red blood cell membrane proteins and plasma protein in spontaneously hypertensive rat. Cloix JF, et al. **Biochem Biophys Res Commun** 1982 Apr 29;105(4):1577–81

Plucking of lectin receptors from erythrocytes: isolation of cell surface components without the use of detergents. Jakobovits A, et al. **Biochem Biophys Res Commun** 1981 Jun;100(4):1484–90

GTP depletion and other erythrocyte abnormalities in inherited PNP deficiency. Simmonds HA, et al. **Biochem Pharmacol** 1982 Mar 15;31(6):941–6

Reciprocal relationship between erythrocyte ATP and deoxy-ATP levels in inherited ADA deficiency. Simmonds HA, et al. **Biochem Pharmacol** 1982 Mar 15;31(6):947–51

The human erythrocyte monosaccharide transporter in bilayer lipid membranes. Jones MN, et al. **Biochem Soc Trans** 1982 Feb;10(1):5–6

Changes in the intrinsic fluorescence of the human erythrocyte monosaccharide transporter upon ligand binding. Gorga FR, et al. **Biochemistry** 1982 Apr 13; 21(8):1905–8

Isolation and characterization of an I-active ceramide decasaccharide from rabbit erythrocyte membranes. Hanfland P, et al. **Biochemistry** 1981 Sep 1;20(18):5310–9

Purification of a trypsin-insensitive fragment of spectrin from human erythrocyte membranes. Hanspal M, et al. **Biochim Biophys Acta** 1981 Jul 28;669(2):133–9

Further studies on the characterization of cylindrin and torin, two extrinsic proteins of the erythrocyte membrane. Harris JR, et al. **Biochim Biophys Acta** 1981 Sep 29;670(2):285–90

Hollow cylinder protein in the cytoplasm of human erythrocytes. Malech HL, et al. **Biochim Biophys Acta** 1981 Oct 28;670(3):385–92

Tightly (covalently) bound fatty acids in cell membrane proteins. Marinetti GV, et al. **Biochim Biophys Acta** 1982 Feb 23;685(2):109–16

A rapid and sensitive assay for determination of cholesterol in membrane lipid extracts. Ott P, et al. **Biochim Biophys Acta** 1982 Feb 23;685(2):211–3

Structure, composition, enzymatic activities of human erythrocyte and sarcoplasmic reticulum membrane films. Pattus F, et al. **Biochim Biophys Acta** 1981 Sep 21;

647(1):29–39
The complete amino-acid sequence of histone H2B from erythrocytes of the adult domestic fowl Gallus domesticus. van Helden PD, et al. **Biochim Biophys Acta** 1982 Apr 21;703(1):17–20
Fucosyltransferase may promote complexity of polyglycosyl conjugates of erythrocyte membranes. Zdebska E, et al. **Biochim Biophys Acta** 1982 Jul 16;717(1):1–5
EPR studies on the thermal stability of spin labeled ankyrin and protein 4.1 prepared from human erythrocyte membranes. Lemaigre-Dubreuil Y, et al. **Biochimie** 1981 Nov-Dec;63(11-12):871–2
Fatty acid pattern of the erythrocyte lipids and plasma vitamin E in the first days of life. Ciccoli L, et al. **Biol Neonate** 1981;40(3–4):187–95
Alterations of red blood cells' polyamines during pregnancy and neonatal period. Hiramatsu Y, et al. **Biol Neonate** 1981; 40(3–4):136–44
F-cells are preferentially distributed among high density erythrocytes. Testa U, et al. **Biomedicine** 1981 Jul; 35(3):94–7
Core particle stability critically depends upon a small number of terminal nucleotides. Erard M, et al. **Biophys Chem** 1981 Oct;14(2):123–33
A shortened variant of red cell membrane protein 4.1. Alloisio N, et al. **Blood** 1982 Jul;60(1):265–7
Identification of the molecular defect in the erythrocyte membrane skeleton of some kindreds with hereditary spherocytosis. Goodman SR, et al. **Blood** 1982 Sep; 60(3):772–84
Immunochemical studies on Tn erythrocyte glycoprotein. Lee LT, et al. **Blood** 1981 Dec;58(6):1228–31
Sideroblastic anemia with markedly increased free erythrocyte protoporphyrin without dermal photosensitivity. Romslo I, et al. **Blood** 1982 Mar; 59(3):628–33
Biopterin level in peripheral blood cells as a marker for hematopoietic cell proliferation during leukemia and polycythemia vera. Ziegler I, et al. **Blut** 1982 Apr; 44(4):231–40
Red cell membrane protein anomalies in congenital dyserythropoietic anaemia, type II (HEMP AS). Baines AJ, et al. **Br J Haematol** 1982 Apr;50(4):563–74
Erythrocyte membrane proteins in an unusual case of congenital dyserythropoietic anaemia type II (CDA II). Harlow RW, et al. **Br J Haematol** 1982 Jan;50(1):35–41
Ferritin concentration in normal and abnormal erythrocytes measured by immunoradiometric assay with antibodies to heart and spleen ferritin and Mössbauer spectroscopy. Jacobs A, et al. **Br J Haematol** 1981 Oct;49(2):201–7
Determination of lead in plasma and studies on its relationship to lead in erythrocytes. deSilva PE. **Br J Ind Med** 1981 Aug;38(3):209–17
A hypertensive substance in erythrocytes of spontaneously hypertensive rats. Wright GL, et al. **Can J Physiol Pharmacol** 1982 May;60(5):622–7
Purine and pyrimidine ribonucleoside monophosphate patterns of peripheral blood and bone marrow cells in human acute leukemias. Scavennec J, et al. **Cancer Res** 1982 Apr;42(4):1326–30
In vivo ageing of human erythrocytes and cell-surface labeling by D-galactose oxidase and sodium borotritide. Gattegno L, et al. **Carbohydr Res** 1981 Sep 16;95(2):283–90
Isolation and preliminary characterization of two glycophorins from rabbit erythrocyte membranes. Honma K, et al. **Chem Pharm Bull (Tokyo)** 1982 Mar;30(3):966–72
Changes in sodium, potassium, and adenosine triphosphate contents of red blood cells in sepsis and septic shock. Illner H, et al. **Circ Shock** 1982;9(3):259–67
Rapid single-step membrane protein assay [letter] Greenberg CS, et al. **Clin Chem** 1982 Jul;28(7):1725–6
Detergent activation of the binding protein in the folate radioassay. Hansen SI, et al. **Clin Chem** 1982 Jan; 28(1):117–8
Liquid-chromatographic determination of guanidino compounds in plasma and erythrocyte of normal persons and uremic patients. Kikuchi T, et al. **Clin Chem** 1981 Nov; 27(11):1899–902
Improved method for determining erythrocyte creatine by the diacetyl-alpha-naphthol reaction: elimination of endogenous glutathione interference. Li Pk, et al. **Clin Chem** 1982 Jan;28(1):92–6
Quantitative two-dimensional protein electrophoresis for studies of inborn errors of metabolism. Merril CR, et al. **Clin Chem** 1982 Apr;28(4 Pt 2):1015–20
Determination of selenium concentration and glutathione peroxidase activity in plasma and erythrocytes. Pieban PA, et al. **Clin Chem** 1982 Feb;28(2):311–6
Two-dimensional electrophoretic analysis of erythrocyte membranes. Rosenblum BB, et al. **Clin Chem** 1982 Apr;28(4 Pt 2):925–31
Hemoglobin A1C by isoelectric focusing. Simon M, et al. **Clin Chem** 1982 Jan;28(1):9–12
Zinc in plasma, neutrophils, lymphocytes, and erythrocytes as determined by flameless atomic absorption spectrophotometry. Whitehouse RC, et al. **Clin Chem** 1982 Mar;28(3):475–80
Erythrocyte spectrin in Duchenne muscular dystrophy. Anand R, et al. **Clin Chim Acta** 1981 Dec 24;117(3):345–54
A new microfluorometric method for the measurement of galactose-1-phosphate in erythrocytes. Pesce MA, et al. **Clin Chim Acta** 1982 Feb 5;118(2-3):177–89
Tests to detect and quantitate fetomaternal bleeding. Scott JR, et al. **Clin Obstet Gynecol** 1982 Jun;25(2):277–82
Effect of renal failure on erythrocyte purine nucleotide, nucleoside and base concentrations and some related enzyme activities. Mansell MA, et al. **Clin Sci** 1981 Dec; 61(6):757–64
Immunoreactive forms of human erythrocyte ankyrin are localized in mitotic structures in cultured cells and are associated with microtubules in brain. Bennett V, et al. **Cold Spring Harbor Symp Quant Biol** 1982;46 (Pt 2):647–57
Glycohemoglobins in the adult erythrocyte. Koenig RJ, et al. **Curr Top Hematol** 1979;2:59–73 (57 ref.)
Automated absorption image cytometry of electromagnetically exposed frog erythrocytes. Chiabrera A, et al. **Cytometry** 1980 Jul;1(1):42–8
Bolton-Hunter reagent as a vital stain for developing systems. Katz MJ, et al. **Dev Biol** 1982 Apr;90(2):419–29
Insulin radioreceptor assay on murine splenic leukocytes and peripheral erythrocytes. Shimizu F, et al. **Endocrinology** 1982 Feb;110(2):474–80
Stability of the higher-order structure of chicken-erythrocyte chromatin in solution. Bates DL, et al. **Eur J Biochem** 1981 Oct;119(3):469–76
Proteolytic digestion studies of chromatin core-histone structure. Identification of limit peptides from histone H2B. Böhm L, et al. **Eur J Biochem** 1982 Apr 1;123(2):299–303
Atypical characteristics of frog and chick erythrocyte beta-adrenoceptors. Dickinson KE, et al. **Eur J Pharmacol** 1981 Aug 27;74(1):43–52
Fluorescence-activated sorting of isolated nuclei. Heterogeneity of histone H5 immunofluorescence in chicken erythrocyte nuclei. Mura CV, et al. **Exp Cell Res** 1981 Sep;135(1):31–7
A new, rapid and precise method for measuring the intra-cellular water content by gas chromatography and 3H-sucrose. Kageyama K, et al. **Experientia** 1981 Jul 15; 37(7):748–50
Carnosine levels in blood. Seely JE, et al. **Experientia** 1981 Dec 15;37(12):1256–7
Structure determination of a ceramide pentadecasaccharide by two-dimensional J-resolved and J-correlated NMR spectroscopy. Dabrowski J, et al. **FEBS Lett** 1982 Jun 1; 142(1):138–42
Partial purification of the D-glucose transport protein from human erythrocyte membranes by affinity chromatography on wheat germ lectin-Sepharose. Fröman G, et al. **FEBS Lett** 1981 Jun 29;129(1):100–4
Use of a fluorescent sterol to probe the transbilayer distribution of sterols in biological membranes. Schroeder F. **FEBS Lett** 1981 Nov 30;135(1):127–30
Erythrocyte Cu2(haemb)2 protein. Sellinger KH, et al. **FEBS Lett** 1981 Oct 12;133(1):51–4
The adverse effect of neuraminidase on the analysis of cell surfaces by borohydride tritiation. Thompson S, et al. **FEBS Lett** 1981 Oct 12;133(1):165–8
Phospholipid distribution in human En(a-) red cell membranes which lack the major sialoglycoprotein, glycophorin A. van Meer G, et al. **FEBS Lett** 1981 Nov 30;135(1):53–5
Abnormal granulation and crystal-like structures in the erythroid cells in a case of multiple myeloma. Lelkes G, et al. **Haematologia (Budap)** 1981;14(2):151–7
Glycophorin A as an erythroid marker in normal and malignant hematopoiesis. Andersson LC, et al. **Hamatol Bluttransfus** 1981;26:338–44
Fluorimetric determination of unsubstituted and 9(8)-O-acetylated sialic acids in erythrocyte membranes. Shukla AK, et al. **Hoppe Seylers Z Physiol Chem** 1982 Mar; 363(3):255–62
Magnesium levels of plasma, erythrocyte and urine in patients with diabetes mellitus. Fujii S, et al. **Horm Metab Res** 1982 Mar;14(3):161–2
Erythrocyte insulin receptors in patients with chronic liver diseases. Fujita S, et al. **Horm Metab Res** 1982 Jan; 14(1):51–2
Erythrocyte concentration of glycolytic phosphorylated intermediates and adenosine nucleotides in subjects with diabetes mellitus. Scionti L, et al. **Horm Metab Res** 1982 May;14(5):233–6
Identification of erythrocytes in intervillous thrombi: a study using immunoperoxidase identification of hemoglobins. Kaplan C, et al. **Hum Pathol** 1982 Jun;13(6):554–7
Isolation and characterization of the C3b-binding entity of C3b-receptor from human erythrocytes. Mussel HH, et al. **Immunol Lett** 1982 Jan;4(1):1–6
Involvement of membrane-associated sialic acid in the resistance of sheep erythrocytes to lysis by mouse complement. Rademaker PM, et al. **Immunol Lett** 1981 Oct; 3(4):221–5
Red cell and plasma lipids in monkeys infected with Plasmodium knowlesi. Rajvir, et al. **Indian J Med Res** 1981 Jan;73 Suppl:50–4
Ultrastructural localization of interferon receptors on the surfaces of cultured cells and erythrocytes. Kushnaryov VM, et al. **Infect Immun** 1982 May;36(2):811–21
Glycosphingolipids of K562 cells: a chemical and immunological analysis. Suzuki A, et al. **Int J Cancer** 1981 Sep 15;28(3):271–6
Relationship between quinidine concentrations measured in saliva and erythrocytes, and in serum. Yosselson-Superstine S, et al. **Int J Clin Pharmacol Ther Toxicol** 1982 Apr; 20(4):181–6
Porphyrin levels in plasma and erythrocytes of chronic hemodialysis patients. Poh-Fitzpatrick MB, et al. **J Am Acad Dermatol** 1982 Jul;7(1):100–4
A novel method for the study of fluorescent probes in biological material during exposure to microwave radiation. Ortner MJ, et al. **J Biochem Biophys Methods** 1981 Sep;5(3):157–67
On the minor gangliosides of erythrocyte membranes of Japanese cats. Ando N, et al. **J Biochem (Tokyo)** 1982 Mar; 91(3):873–81
The occurrence of GM4 and GM2 in erythrocytes from inbred strains of mice. Hashimoto Y, et al. **J Biochem (Tokyo)** 1982 Mar;91(3):1039–46
Isolation and partial structural characterization of macroglycolipid from rabbit erythrocyte membranes. Honma K, et al. **J Biochem (Tokyo)** 1981 Oct;90(4):1187–96
Studies on histone oligomers. IV. Reassociation of chromatin from histones of various conformations. Kawashima S, et al. **J Biochem (Tokyo)** 1982 Mar;91(3):967–73
Studies on histone oligomers. III. Effects of salt concentration and pH on the stability of histone octamer in chicken erythrocyte chromatin. Kawashima S, et al. **J Biochem (Tokyo)** 1982 Mar;91(3):959–66
Isolation and characterization of two glycophorins from horse erythrocyte membranes. Murayama JI, et al. **J Biochem (Tokyo)** 1981 May;89(5):1593–8
The asparagine-linked sugar chains of plasma membrane glycoproteins of K-562 human leukaemic cells: a comparative study with human erythrocytes. Yoshima H, et al. **J Biochem (Tokyo)** 1982 Jan;91(1):233–46
Structures of branched blood group A-active glycosphingolipids in human erythrocytes and polymorphism of A- and H-glycolipids in A1 and A2 subgroups. Fukuda MN, et al. **J Biol Chem** 1982 Jan 10; 257(1):446–55
Erythrocyte membrane skeletal protein bands 4.1 a and b are sequence-related phosphoproteins. Goodman SR, et al. **J Biol Chem** 1982 Apr 25;257(8):4564–9
A new glycolipid antigen isolated from human erythrocyte membranes reacting with antibodies directed to globo-N-tetraosylceramide (globoside). Kannagi R, et al. **J Biol Chem** 1982 Apr 25;257(8):4438–42
Oligomeric structure of the major nuclear envelope protein lamin B. Shelton KR, et al. **J Biol Chem** 1982 Apr 25; 257(8):4328–32
Occurrence of H1o-like protein and protein A24 in the chromatin of bullfrog erythrocytes lacking histone 5. Shimada T, et al. **J Biol Chem** 1981 Oct 25; 256(20):10577–82
Identification of domains of phosphatidylcholine in human erythrocyte plasma membranes. Differential action of acidic and basic phospholipases A2 from Agkistrodon halys blomhoffii. Shukla SD, et al. **J Biol Chem** 1982 Mar 25; 257(6):2908–11
A structural model of human erythrocyte spectrin. Alignment of chemical and functional domains. Speicher DW, et al. **J Biol Chem** 1982 Aug 10;257(15):9093–101
The carbohydrate moiety of band 3 glycoprotein of human erythrocyte membranes. Structures of lower molecular weight oligosaccharides. Tsuji T, et al. **J Biol Chem** 1981 Oct 25;256(20):10497–502
Freeze-fracture cytochemistry: partition of glycophorin in freeze-fractured human erythrocyte membranes. da Silva PP, et al. **J Cell Biol** 1982 May;93(2):463–9
Chromatofocusing of human hemoglobins. Alexander NM, et al. **J Chromatogr** 1982 Jun 11;230(1):137–41
Determination of chloroquine and its desethyl metabolite in plasma, red blood cells and urine by liquid chromatography. Alván G, et al. **J Chromatogr** 1982 Apr 16;229(1):241–7
Assay of an active metabolite of 6-thioguanine, 6-thioguanosine 5'-monophosphate, in human red blood cells. Dooley T, et al. **J Chromatogr** 1982 Apr 16; 229(1):121–7
Determination of 5'-nucleotidase activity in human erythrocytes and plasma using high-performance liquid chromatography. Sakai T, et al. **J Chromatogr** 1982 Apr 30;239:717–21
The transition from HK to LK phenotype in the red cells of newborn genetically LK lambs. Tucker EM, et al. **J Gen Physiol** 1982 May;79(5):893–915
Spin label studies of human erythrocyte membranes in aging. Butterfield DA, et al. **J Gerontol** 1982 Sep;37(5):535–9
Increased accuracy of absorption cytophotometric DNA values by control of stain intensity. Allison DC, et al. **J Histochem Cytochem** 1981 Oct;29(10):1219–28
Erythrocyte glycosphingolipids of four siblings with the rare blood group p phenotype and their parents. Kundu SK, et al. **J Immunogenet** 1981 Oct;8(5):357–65
Immunochemical studies of infectious mononucleosis. VIII. A glycoprotein from sheep erythrocytes with sialic acid-dependent receptor properties. Fletcher MA, et al. **J Immunol** 1982 Feb;128(2):976–82
Isolation of a human erythrocyte membrane glycoprotein with decay-accelerating activity for C3 convertases of the complement system. Nicholson-Weller A, et al. **J Immunol** 1982 Jul;129(1):184–9
Membrane-bound hemichrome in density-separated cohorts of normal (AA) and sickled (SS) cells. Campwala HQ, et al. **J Lab Clin Med** 1982 Jan;99(1):25–8
Erythrocyte protoporphyrin levels in Aotus trivirgatus. Heltne PG, et al. **J Med Primatol** 1981;10(4-5):240–54

Cell type-specific differences in protein composition of nuclear pore complex-lamina structures in oocytes and erythrocytes of Xenopus laevis. Krohne G, et al. **J Mol Biol** 1981 Sep 5;151(1):121–41

Red blood cell sodium, potassium, and ATP levels during hemorrhagic shock. Kreis DJ Jr, et al. **J Surg Res** 1981 Sep;31(3):225–31

Changes in red cell membrane fatty acids in patients receiving total parenteral nutrition supplemented with a safflower oil emulsion. Bryant PJ, et al. **JPEN** 1982 May–Jun; 6(3):200–3

Erythrocyte membrane abnormalities in experimental biliary obstruction: comparative studies on erythrocyte membranes from rats with intra- and extrahepatic cholestasis. Okano Y, et al. **Jpn J Exp Med** 1980 Dec; 50(6):445–51

Immunochemical analysis of the species specific glycoprotein of the human red cell membrane. Akiyama K, et al. **Kurume Med J** 1980;27(4):211–7

One minute with diabetes. DeLawter DE. **Md State Med J** 1981 Nov;30(11):12

Aging of the erythrocyte. XII. Protein composition of the membrane. Bartosz G, et al. **Mech Ageing Dev** 1982 May; 19(1):45–52

Early changes of lymphocyte RNA and serum immunoglobulins following chronic exposure to benzene. Chircu V, et al. **Med Interne** 1981 Oct–Dec;19(4):373–8

Preparation of high molecular weight glycopeptides and oligosaccharides (erythroglycan) from human erythrocytes. Järnefelt J, et al. **Methods Enzymol** 1982;83 Pt D:311–20

DEAE-silica gel and DEAE-controlled porous glass as ion exchangers for the isolation of glycolipids. Kundu SK. **Methods Enzymol** 1981;72:174–85

Probing immune reactions by laser light scattering spectroscopy. Uzgiris EE. **Methods Enzymol** 1981;74 Pt C:177–98

Higher order chromatin structure determines double-nucleosome periodicity of DNA fragmentation. Pospelov VA, et al. **Mol Biol Rep** 1982 Mar 31;8(2):117–22

Deficient red-cell spectrin in severe, recessively inherited spherocytosis. Agre P, et al. **N Engl J Med** 1982 May 13; 306(19):1155–61

Red-cell/plasma choline ratio in dementia [letter] Barclay LL, et al. **N Engl J Med** 1982 Aug 19;307(8):501

Erythrocyte and plasma selenium measurements in congestive cardiomyopathy [letter] Sartiano GP, et al. **N Engl J Med** 1982 Aug 26;307(9):558

Release of spectrin-free spicules on reoxygenation of sickled erythrocytes. Allan D, et al. **Nature** 1982 Feb 18; 295(5850):612–3

A new look at nonparasitized red cells of malaria-infected monkeys. Gupta CM, et al. **Nature** 1982 Sep 16; 299(5880):259–61

The toxicity of guanidino compounds in the red blood cell in uremia and the effects of hemodialysis. Shainkin-Kestenbaum R, et al. **Nephron** 1982;31(1):20–3

The effects of cobalt on the composition of phospholipid fatty acids in rabbit erythrocytes. Kuno Y, et al. **Nippon Eiseigaku Zasshi** 1981 Feb;35(6):831–40

Studies on hemolysis in canine dirofilarial hemoglobinuria. Lipid alterations in blood serum and red cell membrane. Ishihara K, et al. **Nippon Juigaku Zasshi** 1981 Feb; 43(1):1–11

Avian erythrocyte chromatin degradation: the progressive exposure of the dinucleosomal repeat by bovine-pancreatic-DNAase-I-armed probes and free DNAase-I. Burgoyne LA, et al. **Nucleic Acids Res** 1982 Jan 22;10(2):665–73

Protection of discrete DNA fragments by the complex H1-octamerhistones or H5-octamerhistones after micrococcal nuclease digestion. Muyldermans S, et al. **Nucleic Acids Res** 1981 Aug 11;9(15):3671–80

Haemoglobin types, blood parameters and erythrocyte glutathione in the New Zealand Romney and other breeds. Millar KR. **NZ Vet J** 1980 Dec;28(12):251–2, 261–2

Studies on malaria in Papua New Guinea: comparison of the surface glycoproteins on red blood cells from infected and uninfected individuals. Howard RJ, et al. **Parasitology** 1981 Oct;83(Pt 2):357–72

Proteolytic dissection of band 3 protein from human erythrocyte in congenital dyserythropoietic anemia type II. Sansone G, et al. **Pathologica** 1981 Jul–Aug; 73(1026):623–8

Chicken erythrocyte nucleus contains two classes of chromatin that differ in micrococcal nuclease susceptibility and solubility at physiological ionic strength. Fulmer AW, et al. **Proc Natl Acad Sci USA** 1981 Oct;78(10):5968–72

The beta-adrenergic receptor: rapid purification and covalent labeling by photoaffinity crosslinking. Shorr RG, et al. **Proc Natl Acad Sci USA** 1982 May;79(9):2778–82

Hemoglobin determinations in single cells: Comparison of different techniques. Dover GJ, et al. **Prog Clin Biol Res** 1981;60:115–33

Structural and functional studies of hemolysates from genetically selected high and low level DPG rat strains. McDonald MJ, et al. **Prog Clin Biol Res** 1981;55:215–24

Two-dimensional gel electrophoresis of erythrocyte membrane proteins. Rosenblum BB. **Prog Clin Biol Res** 1981;56:251–68

Determination of haemoglobin A1c by iso-electric focusing. Effect of incubation of erythrocytes and comparison of results obtained by ion-exchange chromatography. Mortensen HB, et al. **Scand J Clin Lab Invest** 1981 Sep; 41(5):451–5

The lipids of red cell membranes. Compositional, structural and functional aspects. Roelofsen B, et al. **Scand J Clin Lab Invest [Suppl]** 1981;156:111–5 (16 ref.)

Characterization of Glycophorin A and band 3 from Tn polyagglutinable erythrocytes. Jokinen M. **Scand J Haematol** 1981 Apr;26(4):272–80

Erythrocyte 2,3-diphosphoglycerate and adenosine triphosphate in polycythaemia vera. Monti M. **Scand J Haematol** 1981 Aug;27(2):108–10

The cellular distribution of fetal hemoglobin: normal adults and hemoglobinopathies. Dover GJ, et al. **Tex Rep Biol Med** 1980–81;40:43–54 (34 ref.)

HLA-B7 on human red blood cells. Improved detection by a radioactive anti-IgG test. Salama A, et al. **Tissue Antigens** 1982 Mar;19(3):183–8

The effect of oxygen exposure on erythrocyte phospholipid composition. Abe M, et al. **Tohoku J Exp Med** 1981 Oct; 135(2):205–11

Enhanced ratio of linoleic acid to arachidonic acid in erythrocyte phosphatidylcholine in rats during withdrawal from ethanol. Rao GA, et al. **Toxicol Lett** 1980 Nov; 7(1):37–40

IgA content of frozen-thawed-washed red blood cells and blood products measured by radioimmunoassay. Yap PL, et al. **Transfusion** 1982 Jan–Feb;22(1):36–8

High sialic acid content of camels' erythrocytes [letter] Esievo KA, et al. **Vet Rec** 1981 Oct 31;109(18):414

Observations on the ATP concentration in red cells during total parenteral nutrition. Jabłonska-Skwiecińska E, et al. **Z Med Lab Diagn** 1981;22(6):314–7

Cytochemical study on Malarial parasite and host cell membrane. Takahashi Y, et al. **Zentral Bakteriol Mikrobiol Hyg [A]** 1981;250(1–2):219–22

[The estimation of red cell 2,3-diphosphoglycerate (2,3-DPG) and its preliminary clinical application (author's transl)] Cai BJ. **Chung Hua Nei Ko Tsa Chih** 1981 May; 20(5):257–61 **(Chi)**

[Studies on free erythrocyte protoporphyrin –observations on free erythrocyte protoporphyrin, plasma iron and transfer in saturation in patients with iron deficiency anemia (author's transl)] Chen JX. **Chung Hua Nei Ko Tsa Chih** 1980 Nov;19(6):449–52 **(Chi)**

[A preliminary observation of biochemical abnormalities of erythrocyte membrane in aplastic anemia (author's transl)] Gan WJ. **Chung Hua Nei Ko Tsa Chih** 1981 Oct; 20(10):585–7 **(Chi)**

[Isolation, purification and characterization of spectrin from human erythrocyte membrane] Pan HZ, et al. **Chung Kuo I Hsueh Ko Hsueh Yuan Hsueh Pao** 1981 Dec; 3(4):273–6 (Eng. Abstr.) **(Chi)**

[The value of the measurement of intra-erythrocytic lithium in the bio-clinical surveillance of lithium therapy (author's transl)] Olie JP, et al. **Ann Biol Clin (Paris)** 1982;40(1):3–10 (Eng. Abstr.) **(Fre)**

[Plasma and erythrocyte lipid changes in acute alcoholic hepatitis] Garnier M, et al. **Med Chir Dig** 1981;10(8):677–9 **(Fre)**

[Hereditary diseases of the human erythrocyte membrane skeleton (author's transl)] Boivin P. **Nouv Presse Med** 1982 Jul 3;11(31):2347–51 (Eng. Abstr.) **(Fre)**

[Human red cell cytoskeleton: structure, functions, abnormalities (author's transl)] Garbarz M, et al. **Pathol Biol (Paris)** 1981 Dec;29(10):627–35 (78 ref.) (Eng. Abstr.) **(Fre)**

[Contribution of immunochemical methods to the study of human red-cell membrane proteins (author's transl)] Garbarz M, et al. **Pathol Biol (Paris)** 1982 Feb;30(2):109–16 (44 ref.) (Eng. Abstr.) **(Fre)**

[Human red cell cytoskeleton: structure, functions, abnormalities (author's transl)] Garbarz M, et al. **Sem Hop Paris** 1982 Apr 22;58(16):1005–13 (78 ref.) (Eng. Abstr.) **(Fre)**

[Erythrocyte vesiculation. 3. Building block analysis of vesicles from preserved blood] Stibenz D, et al. **Folia Haematol (Leipz)** 1982;109(2):264–71 (Eng. Abstr.) **(Ger)**

[Erythrocyte creatine concentration in infants and children with congenital heart disease and left-to-right shunts (author's transl)] Hartwig A, et al. **Herz** 1982 Feb; 7(1):57–62 (Eng. Abstr.) **(Ger)**

[Analysis of erythrocytic spectrin in thalassemia and in Lepore hemoglobinosis] Notario A, et al. **Arch Sci Med (Torino)** 1982 Jan–Mar;139(1):9–18 (Eng. Abstr.) **(Ita)**

[Effect of the cold pressor test on erythrocyte beta-adrenergic receptors in essential hypertension and healthy subjects] Corradi L, et al. **Boll Soc Ital Cardiol** 1981;26(3):255–8 (Eng. Abstr.) **(Ita)**

[The intra-erythrocyte aminogram in acute renal insufficiency] Proietti R, et al. **Minerva Anestesiol** 1981 Aug;47(8):525–9 **(Ita)**

[Coproporphyrin and free protoporphyrin in the erythrocytes of pregnant women and erythrocytes in the umbilical arteries and vein] Gnafakis N, et al. **Minerva Ginecol** 1982 Apr;34(4):211–4 (Eng. Abstr.) **(Ita)**

[Usefulness of the determination of glycosylated hemoglobin in erythrocyte fractions of various ages in the control of insulin-dependent diabetic pregnant women] Pinelli L, et al. **Minerva Ginecol** 1982 Apr;34(4):221–4 (Eng. Abstr.) **(Ita)**

[Biochemical and ultrastructural study of erythrocyte membranes and the sural nerve in 2 cases of spinocerebellar degeneration] Gallai V, et al. **Riv Neurobiol** 1980 Jul–Sep; 26(3):273–83 (Eng. Abstr.) **(Ita)**

[Experimental study of cerebral vasospasm -biochemical analysis of vasoconstrictor in the red blood cell hemolysate and the mechanism of action (author's transl)] Okamoto S. **Nippon Geka Hokan** 1982 Jan 1;51(1):93–103 (Eng. Abstr.) **(Jpn)**

[Proteins of nucleated erythrocyte membrane (author's transl)] Tamai K. **Nippon Ika Daigaku Zasshi** 1982 Apr; 49(2):215–24 (Eng. Abstr.) **(Jpn)**

[Clinical evaluation of red blood cell ferritin and serum ferritin in maintenance hemodialysis patients (author's transl)] Futenma A, et al. **Nippon Jinzo Gakkai Shi** 1982 Jan;24(1):53–61 (Eng. Abstr.) **(Jpn)**

[Changes in the arterial erythrocytic 2,3-diphosphoglycerate concentration in experimental respiratory failure (author's transl)] Kohno K. **Nippon Kyobu Shikkan Gakkai Zasshi** 1981 May; 19(5):287–96 (Eng. Abstr.) **(Jpn)**

[Red-cell sodium content in various hypertensions (author's transl)] Maruyama A, et al. **Nippon Naika Gakkai Zasshi** 1981 Nov 10;70(11):1526–30 **(Jpn)**

[Sodium and potassium concentrations in the erythrocytes of patients undergoing chronic hemodialysis. (I)--Effects of hemodialysis on the erythrocyte sodium and potassium concentrations (author's transl)] Imada A, et al. **Rinsho Byori** 1982 Jan;30(1):82–6 **(Jpn)**

[Sodium and potassium concentration in the erythrocytes of patients undergoing chronic hemodialysis. (II).--Effects of extracellular fluid sodium concentration on the erythrocytes sodium and potassium concentration (author's transl)] Imada A, et al. **Rinsho Byori** 1982 Feb; 30(2):199–203 **(Jpn)**

[Cytochemistry of erythrocytes] Miyaji T. **Rinsho Byori** 1981 Jun;(46 Suppl):39–54 **(Jpn)**

[A case of sideroblastic anemia with dermal photosensitivity and increased erythrocyte protoporphyrin (author's transl)] Sato Y, et al. **Rinsho Ketsueki** 1981 Dec;22(12):1971–6 (Eng. Abstr.) **(Jpn)**

[A modified FEP (free erythrocyte protoporphyrin) test (author's transl)] Niinuma Y, et al. **Sangyo Igaku** 1981 May; 23(3):254–9 (Eng. Abstr.) **(Jpn)**

[Systematic studies on the chemical structures of sphingoglycolipids of erythrocyte membranes and central nervous system (author's transl)] Ando S. **Seikagaku** 1981; 53(7):497–515 (100 ref.) **(Jpn)**

[Membrane proteins in detergent solutions--with special attention to band 3 protein from erythrocyte membranes (author's transl)] Makino S. **Seikagaku** 1981;53(5):327–32 (25 ref.) **(Jpn)**

[Thiamine penetration into erythrocytes of patients with chronic renal failure treated with repeated dialyses] Kopczyński Z, et al. **Pol Tyg Lek** 1982 Mar 15;37(1):13–5 (Eng. Abstr.) **(Pol)**

[Changes in erythrocyte membrane proteins during protracted increases in the blood cholinergic activity of animals] Savina LS, et al. **Biull Eksp Biol Med** 1981 Aug; 92(8):30–2 (Eng. Abstr.) **(Rus)**

[Purification of thiamine binding protein from rat erythrocytes by affinity chromatography] Voskoboev AI, et al. **Biull Eksp Biol Med** 1982 Jan;93(1):110–2 (Eng. Abstr.) **(Rus)**

[Concentration of erythrocyte proteins in serum and their functional significance] Neustroev GV. **Patol Fiziol Eksp Ter** 1982 Jan–Feb;(1):56–9 (Eng. Abstr.) **(Rus)**

[Qualitative composition of the erythrocytes in newborn infants with fetal growth retardation] Vartanian MM. **Pediatriia** 1981 Nov;(11):22–3 (Eng. Abstr.) **(Rus)**

[Quantitative and qualitative composition of sterol from fibrinogen and erythrocyte membranes in kidney diseases] Pyrig LA, et al. **Ter Arkh** 1981;53(12):75–8 (Eng. Abstr.) **(Rus)**

[Free amino acid content in the blood plasma and erythrocytes in neurodermatitis] Zelni SM. **Vestn Dermatol Venerol** 1981 Aug;(8):15–8 (Eng. Abstr.) **(Rus)**

[Isolation of cholesterol from erythrocyte ghosts microsomes and blood plasma using specific sorbent and phospholipid liposomes] Borodin EA, et al. **Vopr Med Khim** 1981 Mar–Apr;27(2):235–8 (Eng. Abstr.) **(Rus)**

[Structural-functional analysis of erythrocyte membranes with different content of cholesterol] Khalilov EM, et al. **Vopr Med Khim** 1982 Jan–Feb;28(1):81–6 (Eng. Abstr.) **(Rus)**

[Plasma and erythrocyte free amino acid concentration in patients in the acute period of an ischemic stroke] Gusev EI, et al. **Zh Nevropatol Psikhiatr** 1981;81(9):1308–13 (Eng. Abstr.) **(Rus)**

[Erythrocyte membrane protein in Duchenne muscular dystrophy (author's transl)] Herranz J, et al. **An Esp Pediatr** 1981 Nov;15(5):433–42 (Eng. Abstr.) **(Spa)**

[Normal values of intraerythrocytic 2,3-diphosphoglycerate for the spanish population (author's transl)] Alvarez-Sala JL, et al. **Med Clin (Barc)** 1982 Apr 1;78(7):281–4 (Eng. Abstr.) **(Spa)**

[Protein composition of the erythrocyte membrane in refractory anemias] Mazo E, et al. **Rev Clin Esp** 1981 Oct

15;163(1):33-5 (Eng. Abstr.) **(Spa)**

CLASSIFICATION

[Oh (bombay) erythrocyte phenotype (author's transl)] Martin Vega C, et al. **Sangre (Barc)** 1981;26(5-A):653-5 **(Spa)**

CYTOLOGY

Monastral fast blue. Cytochemical properties of a reaction product from Alcian blue stained chromatin. Juarranz A, et al. **Acta Histochem (Jena)** 1982;70(1):130-4

Automated staining of bone marrow and peripheral blood by a modified Wright's technic. Kutaish N. **Am J Clin Pathol** 1982 Mar;77(3):319-20

Alteration of blood cells and microaggregate formation during storage monitored by laser flow cytometry. Eisert RM, et al. **Anal Quant Cytol** 1981 Dec;3(4):309-14

Monoclonal antibodies to red cell cytoskeletal proteins. Hardy B, et al. **Arch Biochem Biophys** 1982 Jan; 213(1):334-7

Relationships between DNA content and cell morphometric parameters in reptiles. Olmo E, et al. **Basic Appl Histochem** 1982;26(1):27-34

Skeletal association of the cholera toxin receptor in rat erythrocytes. Sahyoun N, et al. **Biochem Biophys Res Commun** 1981 Oct 30;102(4):1216-22

Shape and volume changes in rat erythrocytes induced by surface-active alkyltrimethylammonium salts and sodium dodecyl sulphate. Isomaa B, et al. **Biochim Biophys Acta** 1981 Oct 2;647(2):211-22

Changes in surface architecture during murine erythroleukemia cell differentiation as detected by lectin binding and agglutination. Sartorelli AC. **Biochim Biophys Acta** 1981 Nov 20;649(1):105-12

High-resolution data on the geometry of red blood cells. Fung YC, et al. **Biorheology** 1981;18(3-6):369-85

Changes in surface area and volume measured by micropipette aspiration for erythrocytes ageing in vivo. Nash GB, et al. **Biorheology** 1980;17(5-6):479-84

Enzymes of oxygen metabolism during erythrocyte differentiation. Russanov EM, et al. **Biosci Rep** 1981 Dec; 1(12):927-31

Erythroid progenitors in polycythemia vera: demonstration of their hypersensitivity to erythropoietin using serum free cultures. Casadevall N, et al. **Blood** 1982 Feb;59(2):447-51

Regulation of human blood erythroid burst-forming unit (BFU-E) proliferation by T-lymphocyte subpopulations defined by Fc receptors and monoclonal antibodies. Mangan KF, et al. **Blood** 1982 May;59(5):990-6

Clonal origin of human erythro-eosinophilic colonies in culture. Nakahata T, et al. **Blood** 1982 Apr;59(4):857-64

Globin synthesis in erythroid bursts that mature sequentially in culture. I. Studies in cultures of adult peripheral blood BFU-Es. Papayannopoulou T, et al. **Blood** 1981 Nov; 58(5):969-74

Persistent macrocytosis assessed by erythrocyte subpopulation analysis following erythrocyte regeneration in cats. Weiser MG, et al. **Blood** 1982 Aug;60(2):295-303

Spin label study of erythrocyte deformability I. Electron spin resonance spectral change under shear flow. Noji S, et al. **Blood Cells** 1981;7(2):401-15

Membrane-active agents and heat-induced erythrocyte fragmentation. Zarkowsky HS. **Br J Haematol** 1982 Feb; 50(2):361-5

Regulation of erythroid cell differentiation by haemin. Bonanou-Tzedaki SA, et al. **Cell Differ** 1981 Nov; 10(5):267-79

Kinetics and cellularity of erythroblasts in the growing rat. Dörmer P, et al. **Cell Tissue Kinet** 1982 May;15(3):295-303

The relative spatial distribution of erythroid progenitor cells (BFUe and CFUe) in the normal mouse femur. Frassoni F, et al. **Cell Tissue Kinet** 1982 Jul;15(4):447-55

Human erythrocyte separation according to age on a discontinuous 'Percoll' density gradient. Salvo G, et al. **Clin Chim Acta** 1982 Jul 1;122(2):293-300

Feline leukemia virus-induced erythroid aplasia: in vitro hemopoietic culture studies. Boyce JT, et al. **Exp Hematol** 1981 Nov;9(10):990-1001

Comparison of agar and methylcellulose culture methods for human erythroid colony formation. Kubota K, et al. **Exp Hematol** 1982 Mar;10(3):292-9

Response of three classes of human erythroid progenitors to the absence of erythropoietin in vitro as a measure of progenitor maturity. Lipton JM, et al. **Exp Hematol** 1981 Nov;9(10):1035-41

In vitro bioassay of erythropoietin using synchronized rabbit erythroid precursors. Manor D, et al. **Exp Hematol** 1982 Feb;10(2):241-6

Suppressive effect of rabbit anti-mouse brain serum (RAMBS) on murine pluripotent hemopoietic precursors in vitro and committed early erythrocytic and macrophage-granulocytic precursors detected after brief in vivo passage. Noguchi K, et al. **Exp Hematol** 1982 Feb; 10(2):228-33

Temperature dependence of the deformability of carp (Cyprinus carpio) red blood cells. Kikuchi Y, et al. **Experientia** 1982 Jul 15;38(7):822-4

Deformation of transforming red cells in various pH solutions. Nagasawa T. **Experientia** 1981;37(9):977-8

Erythrocyte vesiculation. 2. Membrane molecular transformation. Stibenz D, et al. **Folia Haematol (Leipz)** 1981;108(4):580-7

Roles of charged groups on the surface of membrane lipid bilayer of human erythrocytes in induction of shape change. Tamura A, et al. **J Biochem (Tokyo)** 1981 Sep;90(3):629-34

Interaction of added amphiphilic lipids with the membrane of intact human erythrocytes to induce change in the cell shape. Tamura A, et al. **J Biochem (Tokyo)** 1982 Jan; 91(1):73-8

Constancy of cell volume during shape change of erythrocytes induced by increasing ATP content. Nakao M, et al. **J Bioenerg Biomembr** 1981 Dec;13(5-6):307-16

Differentiation and 'renewal' of multipotential cells in vitro. Johnson GR, et al. **J Cell Physiol** 1982;Suppl 1:23-30

Retinoic acid enhances growth of human early erythroid progenitor cells in vitro. Douer D, et al. **J Clin Invest** 1982 Apr;69(4):1039-41

Instability of beta E-messenger RNA during erythroid cell maturation in hemoglobin E homozygotes. Traeger J, et al. **J Clin Invest** 1982 Apr;69(4):1050-3

Blood viscosity during the neonatal period: the role of plasma and red blood cell type. Riopel L, et al. **J Pediatr** 1982 Mar;100(3):449-53

Detection of glomerular bleeding using a simple staining method for light microscopy [letter] **Lancet** 1982 Oct 2; 2(8301):761-2

The persistence of micronuclei in peripheral blood erythrocytes: detection of chronic chromosome breakage in mice. Schlegel R, et al. **Mutat Res** 1982 Jul;104(6):367-9

Red blood cell deformability in renal failure. Kikuchi Y, et al. **Nephron** 1982;30(1):8-14

Characteristics of erythroid colonies formed by bovine marrow progenitor cells in methyl cellulose cultures. Kaaya GP, et al. **Res Vet Sci** 1982 Mar;32(2):213-20

Red blood cells frozen thawed and washed in the original collection bag. Reverberi R, et al. **Riv Emoter Immunoematol** 1980;27(3-4):211-7

A method for staining reticulum and red cells in hematopoietic tissues of lower vertebrates. Gorgollón P, et al. **Stain Technol** 1981 Sep;56(5):295-7

Nondiscrete heterogeneity of human blood cells. 1. Volume heterogeneity as a reflection of the quality of erythropoiesis. Bessman JD. **Tex Rep Biol Med** 1980-81; 40:465-9

Neutral red fluorescence of chromatin: specificity and binding mechanism. Espelosin RH, et al. **Z Naturforsch [C]** 1982 Jan-Feb;37(1-2):139-41

[Erythrocyte structure and differentiation] Partanen S, et al. **Duodecim** 1981;97(7):385-93 **(Fin)**

[Erythrocyte deformability. Its measurement by ektacytometry. Possible applications in pharmacology] Bessis M, et al. **Actual Pharmacol (Paris)** 1981;33:39-55 **(Fre)**

[Erythrocyte filtrability and cirrhosis (author's transl)] Hanss M, et al. **Pathol Biol (Paris)** 1981 Oct;29(8):496-8 (Eng. Abstr.) **(Fre)**

[Blood elements in Bufo bufo during embryonic development, larval development and metamorphosis: observations by scanning electron microscopy] Anzanel D, et al. **Boll Soc Ital Biol Sper** 1981 May 15;57(9):1042-6 **(Ita)**

[A study on the counting and expressing method of erythrocytes observed in sediment by centrifuging fresh urine (author's transl)] Sugita M, et al. **Nippon Eiseigaku Zasshi** 1981 Oct;36(4):694-700 (Eng. Abstr.) **(Jpn)**

[Methodological problems of studying the erythrocyte balance based on data from a count of incubated reticulocytes] Iliukhin AV, et al. **Kosm Biol Aviakosm Med** 1982 May-Jun;16(3):86-8 **(Rus)**

[Study of blood erythrocytes by the method of preparative electrophoresis] Kozinets GI, et al. **Lab Delo** 1981; (9):529-32 **(Rus)**

[Modification of the method of studying erythrocyte deformability] Levin GIa, et al. **Lab Delo** 1981;(9):527-9 (Eng. Abstr.) **(Rus)**

DRUG EFFECTS

Rejuvenation of aged erythrocytes by incorporating phosphoenolpyruvate into the cells. Hamasaki N, et al. **Acta Biol Med Ger** 1981;40(4-5):691-7

Red cell response to A23187 and valinomycine in Duchenne muscular dystrophy. Szibor R, et al. **Acta Biol Med Ger** 1981;40(9):1187-90

Effects of dibutyryl-cANP on glycolysis in washed human erythrocytes. Zivković R, et al. **Acta Biol Med Ger** 1981; 40(7-8):999-1002

Quantitative estimation of non-lamellar structures in membranes. A 31P-nmr and electron microscopical study of the influence of linolic acid on the erythrocyte membrane. Arnold K, et al. **Acta Histochem (Jena)** 1982; 70(2):205-13

Duchenne muscular dystrophy. Morphological study of erythrocytes after treatment with L-alpha-lysophosphatidyl-choline in dystrophic patients and in the carrier state. Dellantonio R, et al. **Acta Neurol Belg** 1981 Jul-Aug;81(4):193-8

Effects of different anticoagulants on determination of erythrocyte glutathione peroxidase. Hussein KS, et al. **Acta Vet Scand** 1981;22(3-4):472-9

Interaction of amphipathic drugs with erythrocytes from various species. Smith JE, et al. **Am J Vet Res** 1982 Jun; 43(6):1041-8

Freeze-preserved baboon red blood cells: effects of biochemical modification and perfusion in vitro. Valeri CR, et al. **Am J Vet Res** 1981 Sep;42(9):1590-4

Synergistic effect of chlorpromazine and alkanals on the human red blood cells. Makita Y, et al. **An Acad Bras Cienc** 1981 Dec;53(4):837-40

Dissociation between local anesthetic and membrane-stabilizing actions in antiarrhythmic beta-adrenergic blockers and local anesthetics. Yasuhara H, et al. **Anesth Analg (Cleve)** 1981 Dec;60(12):897-900

Purification and properties of a lectin from the seeds of Croton tiglium with hemolytic activity toward rabbit red cells. Banerjee KK, et al. **Arch Biochem Biophys** 1981 Dec; 212(2):740-53

Membrane action of tricyclic drugs. Spectroscopic studies of a series of phenothiazines compared with tricyclic antidepressive substances in red cell membrane, using the spin labelling technique. Zimmer G, et al. **Arzneimittelforsch** 1981;31(9):1389-92

Blood viscosity and red cell deformability after aspirin in vivo. A double-blind controlled trial. Stäubli M, et al. **Atherosclerosis** 1982 Feb;41(2-3):167-70

Ankyrin is necessary for both drug-induced and ATP-induced shape change of human erythrocyte ghosts. Jinbu Y, et al. **Biochem Biophys Res Commun** 1982 Feb 11;104(3):1087-92

Alterations in erythrocyte membrane fluidity by phenylhydrazine-induced peroxidation of lipids. Rice-Evans C, et al. **Biochem Biophys Res Commun** 1981 Jun;100(4):1537-42

The effects of Ca2+ and Sr2+ on Ca2+-sensitive biochemical changes in human erythrocytes and their membranes. Allan D, et al. **Biochem J** 1981 Sep 15; 198(3):441-5

Ca2+-induced biochemical changes in human erythrocytes and their relation to microvesiculation. Allan D, et al. **Biochem J** 1981 Sep 15;198(3):433-40

Promotion of membrane resealing by local anesthetics. Johnson RT. **Biochem Pharmacol** 1982 May 1;31(9):1784-7

Discordant findings concerning the stimulation by chlorpromazine of erythrocyte sugar transfer. LeFevre PG, et al. **Biochem Pharmacol** 1982 Feb 1;31(3):463-6

Studies on the toxicity of chlorinated p-nitrobiphenyl ether. I-Methemoglobin formation in vitro and in vivo induced by nitroso and amino derivatives of chlorinated biphenyl ether. Miyauchi M, et al. **Biochem Pharmacol** 1981 Dec 15;30(24):3341-6

H2O2 production, modification of the glutathione status and methemoglobin formation in red blood cells exposed to diethyldithiocarbamate in vitro. Sinet PM, et al. **Biochem Pharmacol** 1982 Feb 15;31(4):521-5

Decreased viscosity of human erythrocyte suspension induced by chlorpromazine and isoxsuprine. Suda T, et al. **Biochem Pharmacol** 1981 Aug 1;30(15):2057-64

Propranolol-induced structural changes in human erythrocyte ghost membranes. A spin label study. Surewicz WK. **Biochem Pharmacol** 1982 Mar 1;31(5):691-4

Haemolysis of normal and glutathione-deficient sheep erythrocytes by selenite and tellurite. Young JD, et al. **Biochem Pharmacol** 1981 Sep 15;30(18):2527-30

A spin label study on fluidization of human red cell membrane by esters of p-hydroxybenzoic acid: structure-functional aspects on membrane glucose transport. Zimmer G, et al. **Biochem Pharmacol** 1981 Aug 15;30(16):2362-4

Shape and volume changes in rat erythrocytes induced by surface-active alkyltrimethylammonium salts and sodium dodecyl sulphate. Isomaa B, et al. **Biochim Biophys Acta** 1981 Oct 2;647(2):211-22

The effect of 5-(n-alk(en)yl) resorcinols from rye on membrane structure. Kozubek A, et al. **Biochim Biophys Acta** 1981 Apr 6;642(2):242-51

The action of organic mercurials on the erythrocyte membrane. Ralston GB, et al. **Biochim Biophys Acta** 1981 Nov 20;649(1):98-104

The effects of general anaesthetics on glucose and phosphate transport across the membrane of the human erythrocyte. Salah KM, et al. **Biochim Biophys Acta** 1982 May 21; 688(1):163-8

Virus-induced fusion of human erythrocyte ghosts. I. Effects of macromolecules on the final stages of the fusion reaction. Sekiguchi K, et al. **Biochim Biophys Acta** 1981 Jul 20; 645(2):211-25

Calcium-induced oscillations in K+ conductance and membrane potential of human erythrocytes mediated by the ionophore A23187. Vestergaard-Bogind B, et al. **Biochim Biophys Acta** 1982 May 21;688(1):37-44

Elevation of choline and glycine in red blood cells of psychiatric patients due to lithium treatment. Shea PA, et al. **Biol Psychiatry** 1981 Sep;16(9):825-30

A comparison of peripheral and central human muscarinic cholinergic receptor affinities for psychotropic drugs. Tollefson GD, et al. **Biol Psychiatry** 1982 May;17(5):555-67

The effect of malonyldialdehyde on erythrocyte deformability. Pfafferott C, et al. **Blood** 1982 Jan;59(1):12-5

Purified glycoproteins of Sendai virus envelope affect human erythrocyte membrane fluidity. Caliò R, et al. **Boll Ist Sieroter Milan** 1981;60(6):463-7

The in vitro effect of adenine on pyruvate kinase-deficient red cells. Lappin TR, et al. **Br J Haematol** 1982 May; 51(1):73-80

Effect of lead in vitro on water metabolism and osmotic

fragility of human erythrocytes. Karai I, et al. **Br J Ind Med** 1982 Aug;39(3):295–9

The human erythrocyte Cl–dependent Na–K cotransport system as a possible model for studying the action of loop diuretics. Ellory JC, et al. **Br J Pharmacol** 1982 Jan; 75(1):183–8

Prostaglandin I2 and E1 and red cell deformability in raynaud's phenomenon and systemic sclerosis [letter] Gaylarde PM. **Br Med J [Clin Res]** 1981 Dec 12; 283(6306):1608–9

Toxicology of the 8–aminoquinolines and genetic factors associated with their toxicity in man. Carson PE, et al. **Bull WHO** 1981;59(3):427–37

Effect of beta–adrenergic blockers on the sickling phenomenon. Ohnishi ST, et al. **Can J Physiol Pharmacol** 1982 Feb;60(2):148–53

Cure of advanced L1210 leukemia after correction of abnormal red blood cell deformability. Cohen MH. **Cancer Chemother Pharmacol** 1981;5(3):175–9

Effect of dexamethasone on hexamethylene bisacetamide–induced Friend cell erythrodifferentiation. Osborne HB, et al. **Cancer Res** 1982 Feb;42(2):513–8

Evaluation of methyl mercury chelating agents using red blood cells and isolated hepatocytes. Aaseth J, et al. **Chem Biol Interact** 1981 Sep;36(3):287–97

Comparison of the photodynamic action of Rose Bengal and tetrachlorosalicylanilide on isolated porcine erythrocyte membranes. Barratt MD, et al. **Chem Biol Interact** 1982 Jan;38(2):215–30

Molecular interaction of acrylonitrile and potassium cyanide with rat blood. Farooqui MY, et al. **Chem Biol Interact** 1982 Jan;38(2):145–59

Effects of derivatives of hydroxypyruvaldehyde phenylosazone on bovine erythrocyte membrane. I. Influence on the osmotic fragility and morphology. Ikezawa H, et al. **Chem Pharm Bull (Tokyo)** 1982 Mar; 30(3):959–65

Shape–transforming action of myrmicacin (3–hydroxydecanoic acid) and some related compounds on the membrane of intact human erythrocytes. Kanaho Y, et al. **Chem Pharm Bull (Tokyo)** 1981 Oct;29(10):3063–6

Formation of denatured erythrocytes by exposure to a superoxide radical generating system of xanthine oxidase. Miura T, et al. **Chem Pharm Bull (Tokyo)** 1981 Jun; 29(6):1730–5

The effects of derangement of cell membrane structure and inhibitors on transferrin and iron uptake by reticulocytes. Loh TT. **Clin Exp Pharmacol Physiol** 1982 Jan–Feb; 9(1):11–20

Effect of ouabain and furosemide on erythrocyte sodium and phosphate transport. Walter U. **Clin Pharmacol Ther** 1981 Dec;30(6):709–17

Intoxication of trout erythrocytes from monochloramine in vitro oxidative alteration and recovery of hemoglobin and glutathione. Buckley JA. **Comp Biochem Physiol [C]** 1981; 69(2):337–44

Increase in red cell filterability after incubation with oxpentifylline. Dormandy J, et al. **Curr Med Res Opin** 1981; 7(8):520–2

Influence of the sialic acid content of the membrane on its susceptibility to chrysotile. Depasse J. **Environ Res** 1982 Apr;27(2):384–8

The mechanism of cytolysis of erythrocytes by the mushroom toxin phallolysin. Morphological and biochemical evidence for sodium influx and swelling. Seitz J, et al. **Eur J Cell Biol** 1981 Aug;25(1):46–53

Tunicamycin–induced shape transformation in rabbit erythrocytes and loss of adhesion in Limnaea embryonic cells. Guha T, et al. **Exp Cell Biol** 1981;49(5):278–82

Expansion of chicken erythrocyte nuclei upon limited micrococcal nuclease digestion. Correlation with higher order chromatin structure. Hyde JE. **Exp Cell Res** 1982 Jul;140(1):63–70

Protective effects of vitamin E and dithiothreitol against the hemolysis of rat and goat erythrocytes induced by Tween 20 with or without ascorbic acid and azide. Hamada T, et al. **Experientia** 1982 Apr 15;38(4):462–7

Erythrocyte deformability improving action of beta–pyridylcarbinol tartrate. Okada T, et al. **Experientia** 1981;37(8):890–2

Apparent inhibition of erythrocyte glutamic oxaloacetic transaminase in subjects on large dosages of B–6. Sohler A, et al. **Experientia** 1981 Nov 15;37(11):1144–5

Studies on Phaseolus vulgaris phytohemagglutinin. Structural requirements for simple sugars to inhibit the agglutination of human group A erythrocytes. Dupuis G, et al. **FEBS Lett** 1982 Jul 19;144(1):29–32

Effects of drugs on calcium–related phenomena in red blood cells. Parker JC. **Fed Proc** 1981 Dec;40(14):2872–6 (58 ref.)

Effect of the pesticide trichlorfon on the peripheral blood of the quail. Gromysz–Kalkowska K, et al. **Folia Biol (Krakow)** 1981;29(3–4):185–200

Changes in mitochondria respiration and red blood cell morphology due to 2–halogeno–ethanols. Ebina S, et al. **Fukushima J Med Sci** 1980 Jun;27(1–2):11–24

Lectin mediates homing of sialidase–treated erythrocytes of the liver as revealed by scintigraphy. Kolb H, et al. **Hoppe Seylers Z Physiol Chem** 1981 Dec;362(12):1609–14

Involvement of membrane galactose in the in vivo and in vitro sequestration of desialylated erythrocytes. Müller E, et al. **Hoppe Seylers Z Physiol Chem** 1981 Dec; 362(12):1615–20

Aminoglycosides and polymyxin B as inhibitors of antigen attachment to erythrocytes for agglutination by Salmonella antibodies. Neter E, et al. **Immunol Commun** 1981; 10(4–5):395–9

Effect of some radiosensitizing drugs on human erythrocyte membrane—spin label study. Mishra KP. **Indian J Biochem Biophys** 1982 Feb;19(1):21–6

Mechanism of hemolysis by Renalin, a CAMP–like protein from Corynebacterium renale. Bernheimer AW, et al. **Infect Immun** 1982 Jun;36(3):1253–6

Alterations of lipids of the erythrocyte membranes in workers exposed to lead. Karai I, et al. **Int Arch Occup Environ Health** 1982;50(1):11–6

Lysis of resealed erythrocyte ghosts by photoactivated tetrapyrroles: estimation of photolesion dimensions. Deziel MR, et al. **Int J Biochem** 1982;14(4):263–6

The protective action of ceruloplasmin on copper ion stimulated lysis of rat erythrocytes. Løvstad RA. **Int J Biochem** 1982;14(7):585–9

Stimulatory effect of ceruloplasmin on hemolysis caused by the action of xanthine oxidase on acetaldehyde. Løvstad RA. **Int J Biochem** 1981;13(8):947–50

Effect of MPG and AET on erythrocytes in peripheral blood after gamma irradiation. Pant RD, et al. **Int J Radiat Biol** 1981 Aug;40(2):227–8

Interaction of added amphiphilic lipids with the membrane of intact human erythrocytes to induce change in the cell shape. Tamura A, et al. **J Biochem (Tokyo)** 1982 Jan; 91(1):73–8

Pharmacological control of platelet and red blood cell function in the microcirculation. De Clerck F, et al. **J Cardiovasc Pharmacol** 1981 Nov–Dec;3(6):1388–412 (281 ref.)

Control of the erythrocyte membrane shape: recovery from the effect of crenating agents. Alhanaty E, et al. **J Cell Biol** 1981 Dec;91(3 Pt 1):884–8

Some effects of treatment of hen erythrocytes in vitro with N–methyl–N–nitrosourea. Ward TH, et al. **J Cell Sci** 1981 Oct;51:153–62

Effects of pharmacological agents on erythrocyte deformability and endothelial cell injury. De Clerck F. **J Cereb Blood Flow Metab** 1982;2 Suppl 1:S50–2

Effect of quinidine on the digoxin receptor in vitro. Ball WJ Jr, et al. **J Clin Invest** 1981 Oct;68(4):1065–74

Mechanism of hemolysis induced by ferriprotoporphyrin IX. Chou AC, et al. **J Clin Invest** 1981 Sep;68(3):672–7

Effect of cetiedil on cation and water movements in erythrocytes. Schmidt WF 3d, et al. **J Clin Invest** 1982 Mar;69(3):589–94

Minimizing therapeutically induced anemia. Lasota A, et al. **J Math Biol** 1981;13(2):149–58

Time dependence of the effect of p–chloromercuribenzoate on erythrocyte water permeability: a pulsed nuclear magnetic resonance study. Ashley DL, et al. **J Membr Biol** 1981;61(3):199–207

Trinitrobenzenesulfonic acid and fluorodinitrobenzene: probes to study local anesthetic effects in cell membranes. Bradford P, et al. **J Membr Biol** 1981;61(3):193–8

Effects of the calcium–mediated enzymatic cross–linking of membrane proteins on cellular deformability. Smith BD, et al. **J Membr Biol** 1981;61(2):75–80

Development of the embryonic chick phagocytic system: intraembryonic erythrophagocytosis induced by phenylhydrazine. Sorrell JM, et al. **J Morphol** 1982 Feb; 171(2):183–94

Stabilizing action of disodium cromoglycate on erythrocyte membrane. Kuriyama K, et al. **J Pharmacobiodyn** 1981 Oct; 4(10):779–87

Studies on the mechanism of nitrofurantoin–mediated red cell toxicity. Dershwitz M, et al. **J Pharmacol Exp Ther** 1982 Aug;222(2):430–4

Effect of hydroxychlorodiphenyl ethers (chlorinated pre–and isoprediоxins) on erythrocyte membrane adenosinetriphosphatase activity. Lorusso DJ, et al. **J Toxicol Environ Health** 1981 Jul–Aug;8(1–2):215–23

Green coffee beans may solve a blood bank problem [news] Cowart VS. **JAMA** 1982 Jan 1;247(1):12

Techniques for studying the pharmacodynamic effects of cardiac glycosides on patients' own erythrocytes during glycoside therapy. Aronson JK, et al. **Klin Wochenschr** 1981 Dec 15;59(24):1323–32

Effect of pentoxifylline on single red cell deformability. Seiffge D, et al. **Klin Wochenschr** 1981 Nov 16; 59(22):1271–2

Medroxyprogesterone acetate and homozygous sickle–cell disease. De Ceulaer K, et al. **Lancet** 1982 Jul 31; 2(8292):229–31

Abnormalities of erythrocyte deformability and platelet aggregation in insulin–dependent diabetics corrected by insulin in vivo and in vitro. Juhan I, et al. **Lancet** 1982 Mar 6;1(8271):535–7

The affinity of various phenothiazine drugs for membranes of intact human erythrocytes and their membrane–transforming activity. Kanaho Y, et al. **Mol Pharmacol** 1981 Nov;20(3):704–8

Induction of nuclear anomalies (micronuclei) in the peripheral blood erythrocytes of the eastern mudminnow Umbra pygmaea by ethyl methanesulphonate. Hooftman RN, et al. **Mutat Res** 1982 Apr;104(1–3):147–52

Biguanides and the erythrocyte insulin receptor [letter] Dons RF. **N Engl J Med** 1982 Jan 14;306(2):110–1

Triphosphoinositide increases glycoprotein lateral mobility in erythrocyte membranes. Sheetz MP, et al. **Nature** 1982 Mar 4;296(5852):91–3

Ouabain inhibits the increase due to palytoxin of cation permeability of erythrocytes. Habermann E, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1982 May; 319(2):101–7

Biophysical and electrophysiological studies of hexanedione neurotoxicity. Nachtman JP, et al. **Neurotoxicology (Park Forest Il)** 1981 Nov;2(3):541–56

Latent oxidative damage to erythrocytes and Heinz body formation in vitro: a study of an acetophenetidin abuser. Ohno YI, et al. **Nippon Ketsueki Gakkai Zasshi** 1982 Feb; 45(1):44–9

The contribution of saponin hemolysis in observing membrane properties of erythrocytes. Tatsumi N, et al. **Nippon Ketsueki Gakkai Zasshi** 1982 Feb;45(1):31–7

Study of the sensitivity of neonates to digoxin: contribution of erythrocyte 86rubidium uptake test. Zannad F, et al. **Pediatr Pharmacol (New York)** 1981;1(3):221–9

Capillary resistance to flow of hardened (diamide treated)red blood cells (RBC). Driessen GK, et al. **Pflugers Arch** 1982 Jan;392(3):261–7

Inhibition of glucose transport in human erythrocytes by cytochalasins: A model based on diffraction studies. Griffin JF, et al. **Proc Natl Acad Sci USA** 1982 Jun;79(12):3759–63

C–reactive protein as a mediator in the lysis of human erythrocytes sensitized by brown recluse spider venom. Hufford DC, et al. **Proc Soc Exp Biol Med** 1981 Sep; 167(4):493–7

Prostaglandin I2 fails to influence red cell deformability. Slott JH, et al. **Prostaglandins Leukotrienes Med** 1982 Jan; 8(1):21–2

Elevation of erythrocyte glycine levels during lithium treatment of affective disorders. Rosenblatt S, et al. **Psychiatry Res** 1982 Apr;6(2):203–14

Red blood cell aging as a model to influence pharmacologically the red cell filterability. Grigoleit HG, et al. **Res Exp Med (Berl)** 1981;179(3):249–54

Effect of pentoxifylline on red cell flexibility in arterio–sclerotic patients and in patients with heart valve prosthesis. Johnsson R, et al. **Scand J Clin Lab Invest [Suppl]** 1981;156:297–300

Effects of insulin on erythrocyte deformability in diabetics—relationship between erythrocyte deformability and platelet aggregation. Juhan I, et al. **Scand J Clin Lab Invest [Suppl]** 1981;156:159–64

Pharmacological influences of pentoxifylline on red cell filterability and 2–3 diphosphoglycerate. Le Devehat C, et al. **Scand J Clin Lab Invest [Suppl]** 1981;156:301–3

Filterability and pharmacology. Effects of methylxanthine derivatives on red cell phosphorylation. Lecomte MC, et al. **Scand J Clin Lab Invest [Suppl]** 1981;156:291–5

Vinblastine–induced erythrocytotoxicity. Neville AJ, et al. **Scand J Haematol** 1982 Jan;28(1):32–8

Decreased membrane fragility of mouse erythrocytes by small dose of methylmercury and its restoration by coadministered selenite. Yamamoto R, et al. **Tohoku J Exp Med** 1982 Jul;137(3):297–303

Studies on erythrocyte membrane. VII. In vitro haemolytic effect of Sesbania grandiflora leaves. Kumar VR, et al. **Toxicol Lett** 1982 Feb;10(2–3):157–61

Studies on erythrocyte membrane. V. Haemolytic effect of methylsalicylate and its possible mechanism. Murugesh N, et al. **Toxicol Lett** 1981 Nov;9(3):225–9

Studies on erythrocyte membrane VI: Stabilization by drugs against the haemolytic effect of methyl salicylate. Murugesh N, et al. **Toxicol Lett** 1981 Dec;9(4):421–5

In vitro reactivity of alveolar macrophages and red blood cells with asbestos fibres treated with oxalic acid, sulfur dioxide and benzo–3,4–pyrene. Jaurand MC, et al. **Toxicology** 1981;21(4):323–42

Vanadium increases selective K+–permeability in human erythrocytes. Siemon H, et al. **Toxicology** 1981/82; 22(4):271–8

Cytolytic toxins and surface activity. Freer JH. **Toxicon** 1982; 20(1):217–21

Interaction of alveolysin A sulfhydryl–activated bacterial cytolytic toxin with thiol group reagents and cholesterol. Geoffroy C, et al. **Toxicon** 1982;20(1):239–41

Effects of hydroxyethyl starch on erythrocyte typing and blood crossmatching. Daniels MJ, et al. **Transfusion** 1982 May–Jun;22(3):226–8

Jk(a–b–) red blood cells resist urea lysis. Heaton DC, et al. **Transfusion** 1982 Jan–Feb;22(1):70–1

Concentration of ascorbate–2–phosphate needed to maintain red cell 2,3–diphosphoglycerate [letter] Moore GL. **Transfusion** 1982 Jul–Aug;22(4):343–4

Effect of hydrocortisone on the synthesis of 2,3–diphosphoglycerate in human erythrocytes. Oimomi M, et al. **Transfusion** 1982 Jul–Aug;22(4):266–8

[Deformability of erythrocytes during storage of ACD preserved blood (author's transl)] Mircevová L, et al. **Cas Lek Cesk** 1980 Oct 10;119(40–41):1100–3 (Eng. Abstr.) **(Cze)**

[Rapid agglutination of glutaraldehyde–treated erythrocytes by some gram negative bacteria (author's transl)] Hausner O. **Cesk Epidemiol Mikrobiol Imunol** 1982 May;31(3):173–7 (Eng. Abstr.) **(Cze)**

[Protective action of prostenoglycine in in–vitro experimental erythrocyte poisoning] Palmieri B, et al. **Clin Ter** 1981 Dec 31;99(6):623–7 (Eng. Abstr.) **(Ita)**

[A new method to stabilize erythrocytes for hemagglutination

and hemagglutination inhibition test (author's transl)] Motoda S, et al. **Ulrusu** 1981 Dec;31(2):165–6 **(Jpn)**

[Effect of protoporphyrin on human erythrocyte membrane (author's transl)] Sato T, et al. **Yakugaku Zasshi** 1981 Dec; 101(12):1137–42 (Eng. Abstr.) **(Jpn)**

[Comparison of the effects of drugs on K+ efflux through the membrane of human erythrocytes and on the membrane shape (author's transl)] Sato T, et al. **Yakugaku Zasshi** 1981 Dec;101(12):1129–36 (Eng. Abstr.) **(Jpn)**

[Effects of lead on the erythrocyte system] Kuliczkowski K. **Med Pr** 1980;31(6):483–8 (51 ref.) **(Pol)**

[Harmful chemical agents in electrochemical processing. II. Experimental studies on the toxic effects of nitric oxide and chlorine. Changes in peripheral blood in rats] Starek A, et al. **Med Pr** 1981;32(3):207–12 (Eng. Abstr.) **(Pol)**

[Calcium ion yield from calcium–loaded rabbit erythrocyte ghosts as affected by lectin from charophyte cells] Etkin SA, et al. **Biol Nauki** 1982;(5):36–9 **(Rus)**

[Action of synthetic heterocyclic antioxidants on the structural and functional organization of the erythrocyte membrane] Panasenko OM, et al.
Dokl Akad Nauk SSSR 1981;259(3):727–31 **(Rus)**

[Effect of hydrocortisone and cholinolytics on the resistance of rat erythrocytes to hypoosmotic hemolysis] Nezhentsev MV. **Farmakol Toksikol** 1981 Mar–Apr;44(2):188–91 (Eng. Abstr.) **(Rus)**

[Hemoglobin and erythrocyte changes in persons engaged in synthetic vitamin B6 manufacture] Aleksandrov DD, et al. **Gig Tr Prof Zabol** 1981;(12):39–42 **(Rus)**

[Cellular and subcellular reactions in studying the effect of low concentrations of toxic substances on the body] Sokolov VV, et al. **Gig Tr Prof Zabol** 1981 Jul;(7):5–8 (Eng. Abstr.) **(Rus)**

[Study of hemolysis in vitro for the purpose of detecting primaquine sensitivity] Allakhverdiev AM, et al.
Lab Delo 1981;(12):724–6 (Eng. Abstr.) **(Rus)**

[Use of amidol in the manufacturing of erythrocytic diagnostic kits] Kuz'min IuA, et al. **Lab Delo** 1982;(4):245–7 **(Rus)**

[Increase in the osmotic resistance of erythrocytes due to propranolol] Sominskiĭ VN, et al. **Lab Delo** 1981;(9):525–7 **(Rus)**

[Quantitative evaluation of erythrocyte membrane permeability for monovalent cations] Speranskaia NV, et al. **Lab Delo** 1981;(10):592–5 (Eng. Abstr.) **(Rus)**

[Effect of uremia middle molecule serum on the proliferative activity of erythroid cells] Gudim VI, et al.
Probl Gematol Pereliv Krovi 1982 Feb;27(2):37–9 (Eng. Abstr.) **(Rus)**

[A method of erythrocyte cryopreservation with a 20% glycerin content in the cryoprotective solution] Mel'nikova VN, et al. **Probl Gematol Pereliv Krovi** 1981 Jun;26(6):9–11 (Eng. Abstr.) **(Rus)**

ENZYMOLOGY

The role of enzyme variants, polymorphisms and enzyme hybrids in enzyme deficiency conditions. Aebi H, et al. **Acta Biol Med Ger** 1981;40(4–5):537–41

Hormonally stimulated adenylate cyclase and cAMP dependent protein kinase in membranes of rabbit erythroid cells separated according to density. Fischer S, et al.
Acta Biol Med Ger 1981;40(6):747–55

Reevaluation of membrane binding of erythrocyte glutathione reductase (EC 1.6.4.2). Földes-Papp Z, et al. **Acta Biol Med Ger** 1981;40(9):1129–32

Purification, characterization, and reconstitution of the Ca2+–transport system (high–affinity Ca2+, Mg2+–ATPase) of the human erythrocyte membrane. Gietzen K, et al. **Acta Biol Med Ger** 1981;40(4–5):443–56

Identification of mutants of pyruvate kinase from red blood cells by means of trypsinization, electrophoresis, kinetic properties and immunological methods. Jacobasch G, et al. **Acta Biol Med Ger** 1981;40(4–5):547–53

Studies on pyruvate kinase deficiency, pyrimidine 5-'nucleotidase deficiency and adenosine deaminase overproduction. Miwa S. **Acta Biol Med Ger** 1981; 40(4–5):543–6

Interaction of the purified Ca2+, Mg2+–ATPase from human erythrocytes with phospholipids and calmodulin. Niggli V, et al. **Acta Biol Med Ger** 1981;40(4–5):437–42

Antagonistic effect of cAMP and cGMP on the kinetic behaviour of phosphofructokinase from rat erythrocytes and reticulocytes. Pinilla M, et al. **Acta Biol Med Ger** 1981; 40(4–5):707–10

Regulation of (Ca2+, Mg2+)–ATPase in human erythrocytes dependent on calcium and calmodulin. Scharff O. **Acta Biol Med Ger** 1981;40(4–5):457–63

Ca–transport and CaMg–ATPase activity in human red cell preparations. Szász I, et al. **Acta Biol Med Ger** 1981; 40(4–5):429–36

Properties and distribution of aminopeptidase and dipeptidyl aminopeptidase III of human erythrocytes. Vitale L, et al. **Acta Biol Med Ger** 1981;40(10–11):1489–95

New stable mutant (Gd(–) variants: G6PD Tashkent and G6PD Nucus. Molecular basis of hereditary enzyme deficiency. Yermakov N, et al. **Acta Biol Med Ger** 1981; 40(4–5):559–62

A case of hemolytic anemia due to erythrocyte pyrimidine 5'–nucleotidase deficiency. Ozsoylu S, et al.
Acta Haematol (Basel) 1981;66(1):56–8

Properties of catalase subfractions separated by chromatofocusing of acatalasemia hemolysates. Ogata M, et al. **Acta Med Okayama** 1982 Feb;36(1):73–6

Intraerythrocytic sodium and potassium concentrations during acute and chronic digitalization. Pedersen KE, et al. **Acta Med Scand** 1982;211(5):335–9

Ceruloplasmin levels and erythrocyte superoxide dismutase activity in small preterm infants during the early anemia of prematurity. Hågå P. **Acta Paediatr Scand** 1981 Nov; 70(6):861–4

Elevated erythrocyte adenosine deaminase activity in Down's syndrome. Puukka R, et al. **Acta Paediatr Scand** 1981 Sep; 70(5):739–41

The action of six lipid perturbing substances on hormone receptor adenylate cyclase complex in turkey erythrocytes and intestinal mucosa cells. Grynne BH, et al.
Acta Pharmacol Toxicol (Copenh) 1982 Apr;50(4):283–93

Reconstitution of the primary action of a hormone receptor using solubilized components. Schramm M, et al.
Adv Cyclic Nucleotide Res 1981;14:37–42

Role of guanine nucleotides in hormonal activation of adenylate cyclase. Selinger Z, et al.
Adv Cyclic Nucleotide Res 1981;14:15–22

Erythrocyte transketolase activity and sudden infant death [letter] Lonsdale D. **Am J Clin Nutr** 1981 Oct;34(10):2326–7

Two cases of red cell aldolase deficiency associated with hereditary hemolytic anemia in a Japanese family. Miwa S, et al. **Am J Hematol** 1981 Dec;11(4):425–37

Characteristics of enzymes of erythrocytes from newborn infants and adults: activity, thermostability, and electrophoretic profile as a function of cell age. Mohrenweiser HW, et al. **Am J Hematol** 1981 Sep; 11(2):125–36

Effect of chemical modification of sulfhydryl groups of hyman erythrocyte enzymes. Valentine WN, et al.
Am J Hematol 1981 Sep;11(2):111–24

Normal activity and electrophoretic mobility of erythrocyte glucose–6–phosphate dehydrogenase in males with X–linked mental retardation and the fragile Xq. Carroll AJ, et al. **Am J Hum Genet** 1981 Sep;33(5):826–8

A new variant glyoxalase I allele that is readily detectable in stimulated lymphocytes and lymphoblastoid cell lines but not in circulating lymphocytes or erythrocytes. Kavathas P, et al. **Am J Hum Genet** 1981 Nov;33(6):935–45

ACP1GUA–1—a low–activity variant of human erythrocyte acid phosphatase: association with increased glutathione reductase activity. Mohrenweiser HW, et al.
Am J Hum Genet 1982 May;34(3):425–33

Subtyping of human red cell phosphoglucomutase locus 1 (PGM1) polymorphism: a third PGM1(1) allele common among Twa Pygmies from North Rwanda.
Santachiara–Benerecetti AS, et al. **Am J Hum Genet** 1981 Sep;33(5):817–22

Genetics of red cell COMT activity: analysis of thermal stability and family data. Spielman RS, et al.
Am J Med Genet 1981;10(3):279–90

Erythrocyte catechol–O–methyltransferase activity in pregnant women with pregnancy–induced hypertension. Bates GW, et al. **Am J Obstet Gynecol** 1982 Jan 15; 142(2):177–8

Blood groups, serum proteins, and red cell enzymes in the Nganasans (Tavghi)–reindeer hunters from Taimir Peninsula. Karaphet TM, et al. **Am J Phys Anthropol** 1981 Oct;56(2):139–45

Pyrimidine–specific 5' nucleotidase activity in bovine erythrocytes: effect of phlebotomy and lead poisoning. George JW, et al. **Am J Vet Res** 1982 Jan;43(1):17–20

Clinical toxicosis and erythrocyte cholinesterase inhibition of trichlorfon combined with mebendazole in horses. Gingerich DA, et al. **Am J Vet Res** 1981 Sep;42(9):1645–50

A rapid assay for dipeptidyl aminopeptidase III in human erythrocytes. Jones TH, et al. **Anal Biochem** 1982 Jan 15; 119(2):418–23

'Malic enzyme' polymorphism in sheep erythrocytes. Yaman K, et al. **Anim Blood Groups Biochem Genet** 1981; 12(3):215–8

Erythrocyte aspartate amino transferase activity in asthmatic and non–asthmatic children and its enhancement by vitamin B6. Hall MA, et al. **Ann Allergy** 1981 Dec;47(6):464–6

Red cell enzymopathies in the newborn. I. Evaluation of red cell metabolism. Travis SF, et al. **Ann Clin Lab Sci** 1982 Mar–Apr;12(2):89–98

Red cell enzymopathies in the newborn. II. Inherited deficiencies of red cell enzymes. Travis SF.
Ann Clin Lab Sci 1982 May–Jun;12(3):163–77 (95 ref.)

Genetic studies of the population of the Isle of Man. Mitchell RJ, et al. **Ann Hum Biol** 1982 Jan–Feb;9(1):57–68

Activity of adenosine deaminase allelic forms in intact erythrocytes and in lymphocytes. Battistuzzi G, et al.
Ann Hum Genet 1981 Feb;45(Pt 1):15–9

Further genetic heterogeneity of human red cell phosphoglucomutase–1: a mon–electrophoretic polymorphism. Scozzari R, et al. **Ann Hum Genet** 1981 Oct;45(Pt 4):313–22

Studies on bone marrow and red cell enzymes (cholinesterase and ATPase) in Indian kala–azar. Roy S, et al.
Ann Trop Med Parasitol 1982 Apr;76(2):135–42

Investigation on the distribution of genetic polymorphisms in Greece. 3. Red cell enzyme polymorphisms and genetic distances G. Tsiakalos G, et al. **Anthropol Anz** 1981 Sep; 39(3):244–54

The association of human erythrocyte catalase with the cell membrane. Aviram I, et al. **Arch Biochem Biophys** 1981 Dec;212(2):329–37

Cholera–toxin–dependent ADP–ribosylation of the adenylate cyclase regulatory protein in turkey erythrocyte membranes. Downs RW Jr, et al.
Arch Biochem Biophys 1981 Jun;209(1):284–90

Purification and properties of human erythrocyte membrane NADH–cytochrome b5 reductase. Kitajima S, et al.
Arch Biochem Biophys 1981 Aug;210(1):330–9

Calcium inhibition of adenylate cyclase: studies in turkey erythrocyte and S49 CYC– cell membranes. Lasker RD, et al. **Arch Biochem Biophys** 1982 Jun;216(1):345–55

Cooperation between soluble and membrane–bound proteinases in the degradation of beta–hemoglobin chains in intact human erythrocytes. Melloni E, et al.
Arch Biochem Biophys 1982 Jul;216(2):495–502

The kinetics of cyanide binding by human erythrocyte catalase. Palcic MM, et al. **Arch Biochem Biophys** 1981 Oct 1;211(1):245–52

Studies on avian erythrocyte metabolism: purification and properties of myo–inositol 1–phosphatase form chick erythrocytes. Roth SC, et al. **Arch Biochem Biophys** 1981 Sep;210(2):465–73

Kinetics of calmodulin–dependent (Ca2+ + Mg2+)–ATPase in plasma membranes and solubilized membranes from erythrocytes. Scharff O.
Arch Biochem Biophys 1981 Jun;209(1):72–80

The partial amino acid sequence of human erythrocyte catalase. Schroeder WA, et al. **Arch Biochem Biophys** 1982 Mar;214(1):422–4

The complete amino acid sequence of bovine liver catalase and the partial sequence of bovine erythrocyte catalase. Schroeder WA, et al. **Arch Biochem Biophys** 1982 Mar; 214(1):397–421

Inactivation of the human CuZn superoxide dismutase during exposure to O–2 and H2O2. Sinet PM, et al.
Arch Biochem Biophys 1981 Dec;212(2):411–6

Effect of Cl– on the function of the Cl– –activated arginine aminopeptidase purified from human erythrocytes. Söderling E. **Arch Biochem Biophys** 1982 Jun;216(1):105–15

Antibodies directed toward human erythrocyte Ca2+–ATPase: effect on enzyme function and immunoreactivity of Ca2+–ATPases from other sources. Verma AK, et al. **Arch Biochem Biophys** 1982 May; 215(2):345–54

Effects of nucleotides on activity of a purified ADP–ribosyltransferase from turkey erythrocytes. Watkins PA, et al. **Arch Biochem Biophys** 1982 Jun;216(1):74–80

Human galactose–1–phosphate uridylyltrsferase: purification and comparison of the red blood cell and placental enzymes. Williams VP, et al. **Arch Biochem Biophys** 1982 Jul;216(2):503–11

Relationship between lead concentration in blood and the activities of erythrocyte pyrimidine 5'–nucleotidase and delta–aminolevulinate dehydratase in the mice exposed to lead. Tomokuni K, et al. **Arch Toxicol** 1981 Mar;47(1):67–9

Human erythrocytes glucose–6–phosphate dehydrogenase: labelling of a reactive lysyl residue by pyridoxal–5'–phosphate. Camardella L, et al.
Biochem Biophys Res Commun 1981 Dec 31;103(4):1384–9

R 24571: a new powerful inhibitor of red blood cell Ca++–transport ATPase and of calmodulin–regulated functions. Gietzen K, et al.
Biochem Biophys Res Commun 1981 Jul 30;101(2):418–25

Red cell phosphofructokinase and pyruvate kinase activities correlate with genetic variation of 2, 3–bisphosphoglycerate in rats. Gilman JG.
Biochem Biophys Res Commun 1981 Sep 30;102(2):766–74

Enzymatic changes in rat erythrocytes with increasing cell and donor age: loss of superoxide dismutase activity associated with increases in catalytically defective forms. Glass GA, et al. **Biochem Biophys Res Commun** 1981 Dec 31;103(4):1245–53

Reconstitution of the turkey erythrocyte adenylate cyclase sensitivity to l–epinephrine upon re–insertion of the Lubrol solubilized components into phospholipid vesicles. Keenan AK, et al. **Biochem Biophys Res Commun** 1982 Mar 30; 105(2):615–23

Fractionation of arginase–loaded erythrocyte ghosts with Percoll density gradients. Kruse CA, et al.
Biochem Biophys Res Commun 1981 Sep 16;102(1):258–64

Different sensitivity of human red cell casein kinases towards glycoaminoglycans. Lecomte MC, et al.
Biochem Biophys Res Commun 1981 Sep 16;102(1):420–5

Superoxide dismutase, glutathione peroxidase and catalase in oxidative hemolysis. A study of Fanconi's anemia erythrocytes. Mavelli I, et al.
Biochem Biophys Res Commun 1982 May 31;106(2):286–90

Cytosolic calcium dependent proteinase of human erythrocytes: formation of an enzyme–natural inhibitor complex induced by Ca2+ ions. Melloni E, et al.
Biochem Biophys Res Commun 1982 Jun 15;106(3):731–40

Calcium–calmodulin dependent phosphorylation of erythrocyte pyruvate kinase. Nakashima K, et al.
Biochem Biophys Res Commun 1982 Jan 15;104(1):285–9

Transplasmalemma NADH dehydrogenase is inhibited by actinomycin D. Sun IL, et al.
Biochem Biophys Res Commun 1981 Jul 16;101(1):68–75

Increased erythrocyte glutathion reductase activity in a hemoglobin Porto Alegre (beta 9 Ser replaced by Cys) carrier. Tondo CV. **Biochem Biophys Res Commun** 1982 Apr 29;105(4):1381–8

The isolation and preliminary characterization of apotransketolase from human erythrocytes. Warnock LG,

et al. **Biochem Biophys Res Commun** 1982 Jun 15; 106(3):719–23

Studies on NADH-cytochrome b5 reductase activities in hemolysates of human and rabbit red cells by isoelectric focusing. Yubisui T, et al. **Biochem Biophys Res Commun** 1981 Oct 15;102(3):860–6

Thermolability characteristics and inheritance of human red cell nucleoside triphosphate pyrophosphohydrolase. Fuller SA, et al. **Biochem Genet** 1981 Oct;19(9–10):955–70

Amino acid substitution and chemical characterization of a Japanese variant of carbonic anhydrase I: CA I Hiroshima-1 (86 Asp replaced by Gly). Kageoka T, et al. **Biochem Genet** 1981 Jun;19(5–6):535–49

An allele (Pk–1b) from wild–caught mice that affects the activity and kinetics of erythrocyte and liver pyruvate kinase. Moore KJ, et al. **Biochem Genet** 1981 Aug; 19(7–8):771–81

Heterogeneity of erythrocyte catalase in Japanese–type acatalasemia by electrofocusing. Ogata M, et al. **Biochem Genet** 1982 Apr;20(3–4):265–9

Probing the active site of glyoxalase I from human erythrocytes by use of the strong reversible inhibitor S–p–bromobenzylglutathione and metal substitutions. Aronsson AC, et al. **Biochem J** 1981 Jul 1;197(1):67–75

A 1H n.m.r. study of isotope exchange catalysed by glycolytic enzymes in the human erythrocyte. Brindle KM, et al. **Biochem J** 1982 Mar 15;202(3):589–602

The polyphosphoinositide phosphodiesterase of erythrocyte membranes. Downes CP, et al. **Biochem J** 1981 Jul 15; 198(1):133–40

The control by Ca2+ of the polyphosphoinositide phosphodiesterase and the Ca2+–pump ATPase in human erythrocytes. Downes CP, et al. **Biochem J** 1982 Jan 15; 202(1):53–8

The inositol trisphosphate phosphomonoesterase of the human erythrocyte membrane. Downes CP, et al. **Biochem J** 1982 Apr 1;203(1):169–77

Erythrocyte–ghost Ca2+–stimulated Mg2+–dependent adenosine triphosphatase in Duchenne muscular dystrophy. Dunn MJ, et al. **Biochem J** 1982 Mar 1;201(3):445–53

Human erythrocyte acetylcholinesterase in relation to cell age. Galbraith DA, et al. **Biochem J** 1981 Apr 1; 195(1):221–8

The effect of calmodulin on the phosphoprotein intermediate of Mg2+–dependent Ca2+–stimulated adenosine triphosphatase in human erythrocyte membranes. Jeffery DA, et al. **Biochem J** 1981 Feb 15;194(2):481–6

Cyclic AMP phosphodiesterase activity during differentiation of rabbit erythroid bone marrow cells. Setchenska MS, et al. **Biochem J** 1981 Jun 15;196(3):887–92

Cyclic AMP–binding and cyclic AMP–dependent protein kinase activities in the cytosol of differentiating bone marrow erythroblasts. Setchenska MS, et al. **Biochem J** 1981 Jun 15;196(3):893–7

Studies of lactate dehydrogenase in the purified state and in intact erythrocytes. Simpson RJ, et al. **Biochem J** 1982 Mar 15;202(3):581–7

A p.m.r. isotope–exchange method for studying the kinetic properties of dehydrogenases in intact cells. Simpson RJ, et al. **Biochem J** 1982 Mar 15;202(3):573–9

A rapid fluorometric assay for erythrocyte pyridoxal kinase. Kark JA, et al. **Biochem Med** 1982 Feb;27(1):109–20

Erythrocyte membranes in biliary obstruction: phospholipase A2–induced alterations in lipid composition and morphology. Okano Y, et al. **Biochem Med** 1981 Dec; 26(3):314–25

Kidney, liver, erythrocyte membrane Na, K–adenosine triphosphatase in protein–energy malnourished rats. Pimplikar SW, et al. **Biochem Med** 1981 Aug;26(1):12–9

Altered kinetics of membrane ATPase in mental illness. Sengupta N, et al. **Biochem Med** 1981 Dec;26(3):277–85

Variance in the enzymatic properties of the chloride–activated arginine aminopeptidase from erythrocytes of healthy humans. Söderling E, et al. **Biochem Med** 1981 Oct;26(2):231–8

Effect of histidine modification on the aging of organophosphate–inhibited acetylcholinesterase. Beauregard G, et al. **Biochem Pharmacol** 1981 Nov 1; 30(21):2915–20

Hypoxanthine–guanine phosphoribosyltransferase in human erythroid cells: posttranslational modification. Johnson GG, et al. **Biochemistry** 1982 Mar 2;21(5):960–6

Purification and properties of type 1 topoisomerase from chicken erythrocytes: mechanism of eukaryotic topoisomerase action. Pulleyblank DE, et al. **Biochemistry** 1982 Mar 16;21(6):1155–61

Modulation of adenylate cyclase activity by the physical state of pigeon erythrocyte membrane. 1. Parallel drug–induced changes in the bilayer fluidity and adenylate cyclase activity. Salesse R, et al. **Biochemistry** 1982 Mar 30; 21(7):1581–6

Modulation of adenylate cyclase activity by the physical state of pigeon erythrocyte membrane. 2. Fluidity–controlled coupling between the subunits of the adenylate cyclase system. Salesse R, et al. **Biochemistry** 1982 Mar 30; 21(7):1587–90

Anion binding to the four–copper form of bovine erythrocyte superoxide dismutase: Mechanistic implications. Strothkamp KG, et al. **Biochemistry** 1981 Dec 22; 20(26):7488–93

Essential arginine residues in the pyridine nucleotide binding sites of glutathione reductase. Boggaram V, et al. **Biochim Biophys Acta** 1982 Feb 4;701(1):119–26

Dog kidney (Na+,K+)–ATPase is more sensitive to inhibition by vanadate than human red cell (Na+,K+)–ATPase. Bond GH, et al. **Biochim Biophys Acta** 1981 Sep 7;646(3):479–82

Concentration–dependent inactivation of superoxide dismutase. Chelack WS, et al. **Biochim Biophys Acta** 1981 Jul 24;660(1):83–90

Radiation–induced inactivation of superoxide dismutase in nitrous oxide–saturated solutions. A kinetic model. Chuaqui CA, et al. **Biochim Biophys Acta** 1982 Mar 18;702(1):112–6

Maturation–related change of the protein kinase activity in the rabbit red blood cells. Clari G, et al. **Biochim Biophys Acta** 1981 Nov 5;677(3–4):403–7

Purification of a Ca2+–activated protease from rat erythrocytes and its possible effect on pyruvate kinase in vivo. Dahlqvist–Edberg U, et al. **Biochim Biophys Acta** 1981 Jul 24;660(1):96–101

Localization of 2',3'–cyclic nucleotide 3'–phosphodiesterase in human erythrocyte membranes. Dreiling CE. **Biochim Biophys Acta** 1981 Dec 21;649(3):587–94

Stimulation of fatty acid methylation in human red cell membranes by phospholipase A2 activation. Engelsen SJ, et al. **Biochim Biophys Acta** 1982 Jun 11;711(3):515–20

Decrease of apparent calmodulin affinity of erythrocyte (Ca2+ + Mg2+)–ATPase at low Ca2+ concentrations. Foder B, et al. **Biochim Biophys Acta** 1981 Dec 7; 649(2):367–76

Relation between red cell membrane (Na+ + K+)–ATPase and band 3 protein. Fossel ET, et al. **Biochim Biophys Acta** 1981 Dec 21;649(3):557–71

Evidence of increased synthesis of delta–aminolevulinic acid dehydratase in experimental lead–poisoned rats. Fujita H, et al. **Biochim Biophys Acta** 1981 Nov 18;678(1):39–50

Glutathione S–transferase (transferase pi) from human placenta is identical or closely related to glutathione S–transferase (transferase rho) from erythrocytes. Guthenberg C, et al. **Biochim Biophys Acta** 1981 Oct 13; 661(2):255–60

Human erythrocyte galactosyltransferase. Characterization, membrane association and sidedness of active site. Hesford FJ, et al. **Biochim Biophys Acta** 1981 Dec 21;649(3):709–16

Specific localization of 2',3'–cyclic nucleotide 3'–phosphohydrolase, (Ca2+/Mg2+)–ATPase, and acetylcholinesterase in human erythrocyte membrane. Jones M, et al. **Biochim Biophys Acta** 1981 Dec 18; 678(3):403–7

Calmodulin–dependent spectrin kinase activity in resealed human erythrocyte ghosts. Nelson MJ, et al. **Biochim Biophys Acta** 1982 Apr 7;686(2):182–8

Modifications in the allosteric properties of phosphofructokinase in rat erythrocytes and reticulocytes cross–linked with dimethyl suberimidate and 3,3'–dithiobispropionimidate. Pinilla M, et al. **Biochim Biophys Acta** 1982 Apr 3;702(2):254–61

Human erythrocyte cytosol phosphatidyl–inositol–bisphosphate phosphatase. Roach PD, et al. **Biochim Biophys Acta** 1981 Oct 13;661(2):323–33

Fucosyltransferase may promote complexity of polyglycosyl conjugates of erythrocyte membranes. Zdebska E, et al. **Biochim Biophys Acta** 1982 Jul 16;717(1):1–5

Erythrocyte enzymes in sheep: comparison of activity in fetal, newborn, maternal and nonpregnant ewe erythrocytes. Noble NA, et al. **Biol Neonate** 1982;41(3–4):161–71

Thermolabile catechol–O–methyltransferase in human erythrocytes: a confirmatory note. Baron M, et al. **Biol Psychiatry** 1982 Feb;17(2):265–70

Low red cell activity of pyridoxine (pyridoxamine) phosphate oxidase and glutathione reductase associated with thalassaemia. Clements JE, et al. **Biomedicine** 1981 Dec; 34(3):119–23

Enzymatic conjugation of erythrocyte glutathione with 1–chloro–2,4–dinitrobenzene: the fate of glutathione conjugate in erythrocytes and the effect of glutathione depletion on hemoglobin. Awasthi YC, et al. **Blood** 1981 Oct;58(4):733–8

Hereditary high concentration of glutathione in canine erythrocytes associated with high accumulation of glutamate, glutamine, and aspartate. Maede Y, et al. **Blood** 1982 May;59(5):883–9

Actin–activated ATPase in human red cell membranes. Schrier SL, et al. **Blood** 1981 Nov;58(5):953–62

Whether or not divalent cation dependent ATPase activities associated with erythrocyte EDTA–membrane fragments may utilize free ATP4– or MG–ATP2– complex. Scutari G, et al. **Boll Soc Ital Biol Sper** 1982 Apr 30;58(8):437–43

Erythrocyte and plasma aspirin esterase [letter] Rylance HJ, et al. **Br J Clin Pharmacol** 1981 Sep;12(3):436–8

Overproduction of structurally normal enzyme in man: hereditary haemolytic anaemia with increased red cell adenosine deaminase activity. Fujii H, et al. **Br J Haematol** 1982 Jul;51(3):427–30

Acid alpha–naphthyl acetate esterase activity in nucleated red cells of human fetal liver. Lassila O. **Br J Haematol** 1981 Aug;48(4):573–6

Normal activities of glycolytic enzymes in the fetal erythrocytes. Lestas AN, et al. **Br J Haematol** 1982 Mar; 50(3):439–44

An increase in the Na+/K+–ATPase activity of erythrocyte membranes in workers employed in a lead refining factory. Karai I, et al. **Br J Ind Med** 1982 Aug;39(3):290–4

Erythrocyte transketolase activity in the Wernicke–Korsakoff syndrome. Leigh D, et al. **Br J Psychiatry** 1981 Aug;139:153–6

Growth, erythrocyte glutathione reductase and liver flavin as indicators of riboflavin status in turkey poults. Lee DJ. **Br Poult Sci** 1982 May;23(3):263–72

Phospholipid and calmodulin activation of solubilized calcium–transport ATPase from human erythrocytes: regulation by magnesium. Al–Jobore A, et al. **Can J Biochem** 1981 Nov–Dec;59(11–12):880–8

Influence of hemolysis on the serum lactate dehydrogenase–1/lactate dehydrogenase–2 ratio as determined by an accurate thin–layer agarose electrophoresis procedure. Leung FY, et al. **Clin Chem** 1981 Oct;27(10):1708–11

Two–step assay of erythrocyte transketolase activity [letter] Leunis JC, et al. **Clin Chem** 1982 Feb;28(2):391–2

Superoxide dismutase, glutathione peroxidase, and catalase activities in the erythrocytes of patients with intermittent acute porphyria [letter] Medeiros MH, et al. **Clin Chem** 1982 Jan;28(1):242–3

Diagnosis of hemolytic disease by electrophoresis of erythrocyte lactate dehydrogenase isoenzymes on cellulose acetate or Agarose. Van Lente F, et al. **Clin Chem** 1981 Aug;27(8):1453–5

Comments on an optimized assay for red cell pyruvate kinase deficiency. Beutler E. **Clin Chim Acta** 1981 Nov 11; 116(3):397–9

Glutathione–S–transferase of human red blood cells; assay, values in normal subjects and in two pathological circumstances: hyperbilirubinemia and impaired renal function. Carmagnol F, et al. **Clin Chim Acta** 1981 Dec 9;117(2):209–17

On the pyridoxal–5'–phosphate stimulation of aspartate aminotransferase and alanine aminotransferase in serum and erythrocytes of patients undergoing chronic haemodialysis and with kidney transplants. Jung K, et al. **Clin Chim Acta** 1981 Sep 10;115(2):105–10

In vitro studies on calcium activated phosphatidylinositol phosphodiesterase of erythrocyte ghosts from normal individuals and those with myotonic muscular dystrophy. Meredith AL, et al. **Clin Chim Acta** 1982 Apr 8; 120(2):201–6

Kinetic alteration of the K+ –sensitive p–nitrophenylphosphatase in red cell membrane from beta–thalassemic patients. Morlé F, et al. **Clin Chim Acta** 1981 Sep 10;115(2):235–9

Extreme deficiency of L–type pyruvate kinase with moderate clinical expression. Staal GE, et al. **Clin Chim Acta** 1982 Feb 5;118(2–3):241–53

Studies on the variability of glutathione S–transferase from human erythrocytes. Strange RC, et al. **Clin Chim Acta** 1982 Apr 8;120(2):251–60

Oxidative haemolysis in protein malnutrition. Vertongen F, et al. **Clin Chim Acta** 1981 Oct 26;116(2):217–22

Studies on the inhibition by propranolol of some human erythrocyte membrane enzymes and plasma cholinesterase. Whittaker M, et al. **Clin Chim Acta** 1982 Feb 26; 119(1–2):107–14

Na–K–ATPase in erythrocyte ghosts is not a marker for primary hypertension. Wambach G, et al. **Clin Exp Hypertens** 1981;3(4):663–73

The inheritance of human erythrocyte catechol–O–methyltransferase activity. Floderus Y, et al. **Clin Genet** 1981 May;19(5):392–5

Erythrocyte catechol–O–methyltransferase activity in related families with schizophrenia. Floderus Y, et al. **Clin Genet** 1981 May;19(5):379–85

Erythrocyte catechol–O–methyltransferase activity in a Swedish population. Floderus Y, et al. **Clin Genet** 1981 May;19(5):389–92

Erythrocyte catechol–O–methyltransferase activity in psychotic twins. Floderus Y, et al. **Clin Genet** 1981 May; 19(5):386–9

Thermal stability and the biochemical genetics of erythrocyte catechol–O–methyl–transferase and plasma dopamine–beta–hydroxylase. Weinshilboum R, et al. **Clin Genet** 1981 May;19(5):426–36

Determination of true specific activity of superoxide dismutase in human erythrocytes. Saito T, et al. **Clin Sci** 1982 Sep;63(3):251–5

NAD glycohydrolase: enzyme characterization using intact mammalian erythrocytes. Goodman SI, et al. **Comp Biochem Physiol [B]** 1982;71(2):333–6

Erythrocyte enzymes in Ovis aries. Effect of cell age. Noble NA, et al. **Comp Biochem Physiol [B]** 1982;71B(1):1–6

The effect of temperature on the inhibition of trout, carp and human red cell hexokinase by triethyltin bromide. Siebenlist KR, et al. **Comp Biochem Physiol [C]** 1981; 70(2):261–4

Effects of phosphonium and chloroethyl–acetylcholine compounds on schistosome and vertebrate acetylcholinesterase. Wilcockson WS, et al. **Comp Biochem Physiol [C]** 1982;72(1):101–2

Human erythrocyte glucose 6–phosphate dehydrogenase: structure and function in normal and mutant subjects. Luzzatto L, et al. **Curr Top Hematol** 1978;1:1–70 (208 ref.)

Hereditary and acquired defects in the pyrimidine nucleotidase of human erythrocytes. Paglia DE, et al. **Curr Top Hematol** 1980;3:75–109 (108 ref.)

Thyroid hormone stimulation in vitro of red blood cell Ca2+–ATPase activity: interspecies variation. Davis FB, et al. **Endocrinology** 1982 Jan;110(1):297–8

The aryl acylamidases and their relationship to cholinesterases in human serum, erythrocyte and liver. George ST, et al. **Eur J Biochem** 1981 Dec;121(1):177–86

Degradation of band-3 glycoprotein in vitro by a protease isolated from human erythrocyte membrane. Golovtchenko-Matsumoto AM, et al. **Eur J Biochem** 1982 Jan;121(2):463–7

Glutathione reductase from human erythrocytes. The sequences of the NADPH domain and of the interface domain. Krauth-Siegel RL, et al. **Eur J Biochem** 1982 Jan; 121(2):259–67

Glutathione reductase from human erythrocytes: amino-acid sequence of the structurally known FAD-binding domain. Untucht-Grau R, et al. **Eur J Biochem** 1981 Nov; 120(2):407–19 (90 ref.)

Aging of the erythrocyte. II. Activities of peroxide-detoxifying enzymes. Bartosz G, et al. **Experientia** 1981 Jul 15;37(7):722–3

Red blood cell glutathione peroxidase in simple trisomy 21 and translocation 21/22. Kędziora J, et al. **Experientia** 1982 May 15;38(5):543–4

Effect of physical exercise on the specific activity of carbonic anhydrase isozyme in human erythrocytes. Ohno H, et al. **Experientia** 1982 Jul 15;38(7):830–1

The Mg2+-activated phosphatidylinositol 4,5-bisphosphate-specific phosphomonoesterase of erythrocyte membrane. Koutouzov S, et al. **FEBS Lett** 1982 Jul 19;144(1):16–20

Lysosomal origin of chicken erythrocyte nuclear protease. Lindsey G, et al. **FEBS Lett** 1981 Nov 30;135(1):81–5

Inhibition of the purified and reconstituted calcium pump of erythrocytes by micro M levels of DIDS and NAP-taurine. Niggli V, et al. **FEBS Lett** 1982 Feb 22; 138(2):164–6

Acetylcholinesterase from human erythrocytes membranes: dimers as functional units. Ott P, et al. **FEBS Lett** 1982 Feb 22;138(2):187–9

Separation of erythrocyte enzymes from hemoglobin by chromatography on Blue-Sepharose. Porumb H, et al. **FEBS Lett** 1982 Mar 8;139(1):41–4

Rhodanese and 3-mercaptopyruvate sulphurtransferase activities in human red blood cells of different age groups. Włodek L. **Folia Biol (Krakow)** 1981;29(3–4):279–86

Activity of inosine triphosphate pyrophosphohydrolase in fresh and stored human erythrocytes. Zachara B, et al. **Haematologia (Budap)** 1981;14(3):277–83

Carbonic anhydrase I and II levels in erythrocytes of chronic renal disease patients. Yamakido M, et al. **Hiroshima J Med Sci** 1982 Mar;31(1):1–6

N-Acetylalanine aminopeptidase, a new enzyme from human erythrocytes. Schönberger OL, et al. **Hoppe Seylers Z Physiol Chem** 1981 Jul;362(7):865–73

Glucose 6-phosphate dehydrogenase variants of Bali island (Indonesia). Chockkalingam K, et al. **Hum Genet** 1982; 60(1):60–2

Confirmation of regional assignment of gene for human esterase-D to chromosome band 13q14. Hoo JJ, et al. **Hum Genet** 1982;60(3):276–7

PGM1 subtypes in Galicia (NW Spain). Carracedo A, et al. **Hum Hered** 1982;32(2):133–5

Evidence for a major locus as well as a multifactorial component in the regulation of human red blood cell catechol-O-methyl-transferase activity. Floderus Y, et al. **Hum Hered** 1982;32(2):76–9

Gene frequencies of human red cell phosphoglucomutase (PGM3) in Western Germany (Düsseldorf Region). Günther A. **Hum Hered** 1982;32(2):142–4

Blood group, red cell enzyme and serum protein types in the Buka Islanders, Papua New Guinea. McLoughlin K, et al. **Hum Hered** 1982;32(3):152–9

Blood group, red cell enzyme and serum protein types in an Asaro village, Eastern Highlands, Papua New Guinea. McLoughlin K, et al. **Hum Hered** 1982;32(3):160–5

Distribution of serum proteins, red cell enzymes and haemoglobins in vitiligo. Saha N, et al. **Hum Hered** 1982; 32(1):46–8

Genetic and demographic characterization of a population with high incidence of fucosidosis. Sangiorgi S, et al. **Hum Hered** 1982;32(2):100–5

Cation fluxes and Na+-K+-activated ATPase activity in erythrocytes of patients with essential hypertension. Swarts HG, et al. **Hypertension** 1981 Nov-Dec;3(6):641–9

Effects of lead on delta-aminolevulinic acid dehydratase activity of erythrocyte and tissues in pregnant and nonpregnant rats. I. Administration of lead of high concentration. Hayashi M. **Ind Health** 1982;20(1):47–54

Evidence for the existence of a phosphoinositol kinase in chicken erythrocytes. Chakrabarti S, et al. **Indian J Biochem Biophys** 1981 Dec;18(6):398–401

Studies on erythrocyte porphobilinogen deaminase and uroporphyrinogen cosynthetase in porphyria cutanea tarda. Blekkenhorst GH, et al. **Int J Biochem** 1981;13(8):963–6

Reactivation and immunological studies on a Japanese variant of red cell carbonic anhydrase I, CA I Hiroshima. Kageoka T, et al. **Int J Biochem** 1982;14(7):553–6

Neutral proteinases from human blood cells. Lim AK, et al. **Int J Biochem** 1982;14(5):367–70

Enzymes of oxygen metabolism and lipid peroxidation on erythrocytes from copper-deficient rats. Russanov EM, et al. **Int J Biochem** 1982;14(4):321–5

The influence of G-6-PD activity on the response of erythrocyte glutathione reductase to riboflavin deficiency. Prentice AM, et al. **Int J Vitam Nutr Res** 1981;51(3):211–5

The primary structure of human erythrocyte copper/zinc superoxide dismutase: cleavage with trypsin and chymotrypsin. Barra D, et al. **Ital J Biochem** 1982 Jan-Feb; 31(1):28–38

Action of orthophosphate on rabbit red blood cell hexokinase. Magnani M, et al. **Ital J Biochem** 1981 May-Jun;30(3):217–28

The primary structure of human erythrocyte copper/zinc superoxide dismutase: cleavage with Staphylococcus aureus protease, determination of the N-terminal blocking group and location of the disulfide bond. Martini F, et al. **Ital J Biochem** 1982 Jan-Feb;31(1):39–47

Effect of alcohol and carbon monoxide on the pH-activity relationship of erythrocytic delta-aminolevulinate dehydratase (ALA-D). Wigfield DC, et al. **J Anal Toxicol** 1982 May-Jun;6(3):123–6

A survey of multiple phosphoprotein phosphatases in cytosols from rat tissues and erythrocytes. Kinohara N, et al. **J Biochem (Tokyo)** 1982 Jan;91(1):177–90

The cytosol of human erythrocytes contains a highly Ca2+-sensitive thiol protease (calpain I) and its specific inhibitor protein (calpastatin). Murakami T, et al. **J Biochem (Tokyo)** 1981 Dec;90(6):1809–16

Purification and properties of soluble NADH-cytochrome b5 reductase of rabbit erythrocytes. Yubisui T, et al. **J Biochem (Tokyo)** 1982 May;91(5):1467–77

Vanadate binding to the (Na + K)-ATPase. Robinson JD, et al. **J Bioenerg Biomembr** 1981 Dec;13(5–6):205–18

Impaired adenylate cyclase activity of phenylhydrazine-induced reticulocytes. Cooper DM, et al. **J Biol Chem** 1982 May 10;257(9):4684–7

The regulatory component of adenylate cyclase. Purification and properties of the turkey erythrocyte protein. Hanski E, et al. **J Biol Chem** 1981 Dec 25;256(24):12911–9

Alteration in the protein components of catecholamine-sensitive adenylate cyclase during maturation of rat reticulocytes. Larner AC, et al. **J Biol Chem** 1981 Sep 25;256(18):9551–7

Selective antagonism of the Ca2+ transport ATPase of the red cell membrane by N-(14-azido-2-nitrophenyl)-2-aminoethylsulfonate (NAP-taurine). Minocherhomjee A, et al. **J Biol Chem** 1982 May 25;257(10):5426–30

Effect of self-association on activity of an ADP-ribosyltransferase from turkey erythrocytes. Conversion of inactive oligomers to active protomers by chaotropic salts. Moss J, et al. **J Biol Chem** 1981 Nov 25; 256(22):11452–6

The purified Ca2+ pump of human erythrocyte membranes catalyzes an electroneutral Ca2+-H+ exchange in reconstituted liposomal systems. Niggli V, et al. **J Biol Chem** 1982 Mar 10;257(5):2350–6

Requirements for cholera toxin-dependent ADP-ribosylation of the purified regulatory component of adenylate cyclase. Schleifer LS, et al. **J Biol Chem** 1982 Jan 10;257(1):20–3

Multiple forms of human red blood cell hexokinase. Preparation, characterization, and age dependence. Stocchi V, et al. **J Biol Chem** 1982 Mar 10;257(5):2357–64

Human hypoxanthine-guanine phosphoribosyltransferase. Complete amino acid sequence of the erythrocyte enzyme. Wilson JM, et al. **J Biol Chem** 1982 Sep 25; 257(18):10978–85

Human hypoxanthine-guanine phosphoribosyltransferase. Purification and characterization of mutant forms of the enzyme. Wilson JM, et al. **J Biol Chem** 1981 Oct 25; 256(20):10306–12

Acetylcholinesterase in mammalian erythroid cells. Keyhani E, et al. **J Cell Sci** 1981 Dec;52:327–39

Automated purification of human erythrocytic 6-phosphogluconate dehydrogenase. Kroviarski Y, et al. **J Chromatogr** 1982 Jul 2;243(1):111–21

Chromatographic fractionation of multiple forms of red blood cell hexokinase. Stocchi V, et al. **J Chromatogr** 1982 Mar 19;237(2):330–5

Reduced Na+, K+ -ATPase activity in intact red cells and isolated membranes from obese man. Klimes I, et al. **J Clin Endocrinol Metab** 1982 Apr;54(4):721–4

Functionally abnormal Na+-K+ pump in erythrocytes of a morbidly obese patient. DeLuise M, et al. **J Clin Invest** 1982 Jan;69(1):38–44

Increased enzymatic activity of the alternative pathway convertase when bound to the erythrocytes of paroxysmal nocturnal hemoglobinuria. Parker CJ, et al. **J Clin Invest** 1982 Feb;69(2):337–46

Theories and predictions of models describing sequential interactions between the receptor, the GTP regulatory unit, and the catalytic unit of hormone dependent adenylate cyclases. Tolkovsky AM, et al. **J Cyclic Nucleotide Res** 1981;7(3):139–50

The activity of the rate-limiting glycolytic enzymes in the erythrocyte with relation to time after death. Tsunenari S, et al. **J Forensic Sci Soc** 1981 Oct;21(4):333–6

Enzyme-incorporated erythrocyte ghosts: a new model system for quantitative enzyme cytochemistry. Raap AK, et al. **J Histochem Cytochem** 1981 Dec;29(12):1418–24

A new screening test for C3 nephritis factor based on a stable cell bound convertase on sheep erythrocytes. Rother U. **J Immunol Methods** 1982;51(1):101–7

Adenine phosphoribosyltransferase in patients with disorders of purine and pyrimidine metabolism. Wilson JM, et al. **J Lab Clin Med** 1982 Feb;99(2):163–74

Red cell and serum cholinesterase activities in adult and cord blood. Areekul S, et al. **J Med Assoc Thai** 1981 Oct; 64(10):510–5

Serum and red cell cholinesterase activities in pregnancy. Areekul S, et al. **J Med Assoc Thai** 1981 Nov;64(11):584–8

Erythrocyte membrane in myotonic dystrophy. A study with acetylcholinesterase. Igisu H, et al. **J Neurol Sci** 1981 Aug; 51(2):199–205

Erythrocyte membrane cation-stimulated ATPase activities in myotonic muscular dystrophy. Mawatari S, et al. **J Neurol Sci** 1982 Jan;53(1):23–8

Pharmacogenetics of human thiopurine methyltransferase: kidney-erythrocyte correlation and immunotitration studies. Woodson LC, et al. **J Pharmacol Exp Ther** 1982 Jul;222(1):174–81

The effect of prolonged oral contraceptive steroid use on erythrocyte glutathione peroxidase activity. Capel ID, et al. **J Steroid Biochem** 1981 Aug;14(8):729–32

Cell survival and glutathione reductase [letter] Magnani M, et al. **J Theor Biol** 1982 Feb 21;94(4):995–7

Influence of sex hormones on parathion toxicity in rats: antiacetylcholinesterase activity of parathion and paraoxon in plasma, erythrocytes, and brain. Agarwal DK, et al. **J Toxicol Environ Health** 1982 Mar;9(3):451–9

Erythrocyte lead-binding protein after occupational exposure. II. Influence on lead inhibition of membrane Na+,K+-adenosinetriphosphatase. Raghavan SR, et al. **J Toxicol Environ Health** 1981 Mar-Apr;7(3–4):561–8

Study of red cell enzyme systems in Tehran and Isfahan Iranians. Sawhney KS, et al. **Jinrui Idengaku Zasshi** 1981 Dec;26(4):289–94

Failure of lithium to counteract vanadate-induced inhibition of red blood cell membrane Na+, K+-ATPase [letter] MacDonald E, et al. **Lancet** 1982 Oct 2;2(8301):774

Studies on the mechanism of thyroid hormone stimulation in vitro of human red cell Ca2+-ATPase activity. Davis PJ, et al. **Life Sci** 1982 Feb 15–22;30(7–8):675–82

Catabolism of adenine nucleotides in adenosine deaminase deficient erythrocytes. Mills GC, et al. **Life Sci** 1981 Oct 26;29(17):1811–20

Aging of the erythrocyte. X. Immunoelectrophoretic studies on the denaturation of superoxide dismutase. Bartosz G, et al. **Mech Ageing Dev** 1981 Nov;17(3):237–51

Adult and fetal galactokinases in human red blood cells. Magnani M, et al. **Mech Ageing Dev** 1982 Mar;18(3):215–23

Quantitation of human cuprozinc superoxide dismutase (SOD-1) by radioimmunoassay and its possible significance in disease. Del Villano BC, et al. **Methods Enzymol** 1981; 74 Pt C:359–70

Glutathione S-transferases (rat and human). Habig WH, et al. **Methods Enzymol** 1981;77:218–31

Fatty acid synthase from red blood cells. Jenik RA, et al. **Methods Enzymol** 1981;71 Pt C:97–103

Isolation of phospholipase A2 from red cell membranes of sheep. Zahler P, et al. **Methods Enzymol** 1981;71 Pt C:690–8

Inactivation by Ca2+ of Ca2+-stimulated ATPase from rat red cells. Pedemonte CH, et al. **Mol Cell Biochem** 1981 Oct 30;40(2):105–7

Cyclic nucleotide phosphodiesterase activities in rat erythrocytes. Téllez-Iñón MT, et al. **Mol Cell Biochem** 1982 Apr 2;43(3):161–6

Functional alterations in components of pigeon erythrocyte adenylate cyclase following desensitization to isoproterenol. Hudson TH, et al. **Mol Pharmacol** 1981 Nov; 20(3):694–703

Erythrocyte sodium-potassium-ATPase and obesity [letter] **N Engl J Med** 1982 Apr 1;306(13):807–10

One gene, but two messenger RNAs encode liver L and red cell L' pyruvate kinase subunits. Marie J, et al. **Nature** 1981 Jul 2;292(5818):70–2

Serum and erythrocyte glutathione reductase activity in chronic renal failure. Melissinos KG, et al. **Nephron** 1981; 28(2):76–9

Electron microscopic observation of the red pulp of the spleen in hereditary hemolytic anemia with erythrocyte pyrimidine 5'-nucleotidase deficiency: evidence for intravascular hemolysis. Matsumoto N, et al. **Nippon Ketsueki Gakkai Zasshi** 1982 Feb;45(1):17–25

Human erythrocyte prolidase and prolidase deficiency. Endo F, et al. **Pediatr Res** 1982 Mar;16(3):227–31

Glucose-6-phosphate dehydrogenase red blood cell phenotype in GdMediterranean heterozygous females and hemizygous males at birth. Sanna G, et al. **Pediatr Res** 1981 Nov;15(11):1443–6

Diagnosis of dihydropteridine reductase deficiency by erythrocyte enzyme assay. Narisawa K, et al. **Pediatrics** 1981 Oct;68(4):591–2

'In vitro' inhibition of erythrocyte acetylcholinesterase by carnitine isomers. Garbin L, et al. **Pharmacol Res Commun** 1981 Jul;13(7):711–5

The possibility of prenatal diagnosis by gene dosage: confirmation of duplication 10q24 to qter from GOT-1 activity in fetal erythrocytes. Dallapiccola B, et al. **Prenatal Diagn** 1981 Jul;1(3):209–15

Purification of adenosine deaminase from human red blood cells. Buel E, et al. **Prep Biochem** 1981;11(4):363–80

Functional exchange of components between light-activated photoreceptor phosphodiesterase and hormone-activated adenylate cyclase systems. Bitensky MW, et al. **Proc Natl Acad Sci USA** 1982 Jun;79(11):3408–12

Acetylcholinesterase of human erythrocytes and neuromuscular junctions: homologies revealed by

monoclonal antibodies. Fambrough DM, et al. **Proc Natl Acad Sci USA** 1982 Feb;79(4):1078–82

Frequency of enzyme deficiency variants in erythrocytes of newborn infants. Mohrenweiser HW. **Proc Natl Acad Sci USA** 1981 Aug;78(8):5046–50

Frequency of thermostability variants: estimation of total 'rare' variant frequency in human populations. Mohrenweiser HW, et al. **Proc Natl Acad Sci USA** 1981 Sep;78(9):5729–33

Histone-dependent and histone-independent forms of an ADP-ribosyltransferase from human and turkey erythrocytes. Moss J, et al. **Proc Natl Acad Sci USA** 1981 Aug;78(8):4809–12

Enzymic diversification of the sodium pump in sheep red cells. Blostein R, et al. **Prog Clin Biol Res** 1981;56:35–55

Human mutation affecting hormone-sensitive adenylate cyclase. Bourne HR, et al. **Prog Clin Biol Res** 1981;63:433–7

Superoxide dismutase and glutathione peroxidase abnormalities in erythrocytes and lymphoid cells in Down syndrome. Frischer H, et al. **Prog Clin Biol Res** 1981; 55:269–89

Modulators of red cell Na/K pump rates. Hoffman JF, et al. **Prog Clin Biol Res** 1981;56:5–11

Calmodulin-dependent spectrin kinase activity in human erythrocytes. Huestis WH, et al. **Prog Clin Biol Res** 1981; 56:137–55

Regulation of the calcium pump ATPase in human erythrocytes. Al-Jobore A, et al. **Prog Clin Biol Res** 1981; 56:57–78

Variability of acetylcholinesterase in adult and fetal red cell membranes. Ravazzolo R, et al. **Prog Clin Biol Res** 1981; 55:439–46

The role of guanine nucleotides in regulation of adenylate cyclase activity. Spiegel AM, et al. **Recent Prog Horm Res** 1981;37:635–65

Effect of bilirubin on ATPase activity of human erythrocyte membranes. Kawai K, et al. **Res Commun Chem Pathol Pharmacol** 1981 Apr; 32(1):123–35

HPLC analysis of erythrocyte pyrimidine-5'-nucleotidase inhibition by lead. Rocco RM, et al. **Res Commun Chem Pathol Pharmacol** 1981 Oct; 34(1):127–36

Variation of erythrocyte glutathione peroxidase activity in Finn sheep. Atroshi F, et al. **Res Vet Sci** 1981 Nov; 31(3):267–71

Reference values for erythrocyte acetylcholinesterase and plasma cholinesterase activities in children, implications for organophosphate intoxication. Karlsen RL, et al. **Scand J Clin Lab Invest** 1981 May;41(3):301–2

Erythrocyte transketolase activity in alcoholic liver disease. Camilo ME, et al. **Scand J Gastroenterol** 1981;16(2):273–9

An esterase isozyme in non-hemoglobin proteins of cell lysate reacting with mushroom lectin. Iwasa M, et al. **Tohoku J Exp Med** 1982 Jan;136(1):53–9

Carbonic anhydrase isozymes of red blood cells in surgically treated hyperthyroidism. Nishinari S. **Tohoku J Exp Med** 1982 Apr;136(4):405–11

Zinc, copper and delta-aminolaevulinic acid dehydratase in vitro and in vivo. Nelson HM, et al. **Toxicology** 1981; 21(3):261–6

Catechol-O-methyltransferase activity in human erythrocytes: methodological aspects. Floderus Y, et al. **Ups J Med Sci** 1981;86(3):309–18

Red-cell enzyme study among some migrant tribal populations in the Andaman Islands. Bhattacharyya SK, et al. **Z Morphol Anthropol** 1980;71(3):336–40

Genetic studies in Egypt: red cell enzyme and plasma protein polymorphisms. Goedde HW, et al. **Z Morphol Anthropol** 1980;71(3):329–35

Ascorbate oxidase and its possible involvement in cancer. Lohmann W. **Z Naturforsch [C]** 1981 Sep-Oct; 36(9–10):804–8

Polymorphism of erythrocyte acid phosphatase and adenosindesaminase in Galicia (N.W.Spain) by AGIF and PAGIF. Carracedo A, et al. **Z Rechtsmed** 1982; 88(1–2):143–5

Gene frequencies of red-cell uridine-5-monophosphate kinase (UMPK) in Western Germany (Düsseldorf region). Driesel AJ, et al. **Z Rechtsmed** 1982;88(1–2):93–5

[Erythrocyte enzyme activity in newborn infants with hyperbilirubinemia] Khlebarova M, et al. **Akush Ginekol (Sofiia)** 1981;20(5):361–5 (Eng. Abstr.) **(Bul)**

[Porphobilinogen synthase activity of the erythrocytes in acute leukemia] Arsov Ts, et al. **Vutr Boles** 1981; 20(4):106–11 (Eng. Abstr.) **(Bul)**

[Studies on erythrocyte glucose-6-phosphate dehydrogenase variants in Chinese. I. Gd(–) Lizu-Baisha (author's transl)] Du CS. **Chung Hua I Hsueh Tsa Chih** 1981 Dec; 61(12):729–32 (Eng. Abstr.) **(Chi)**

[Erythrocyte acetylcholinesterase and possible means of influencing its activity in newborn infants] Zoban P, et al. **Cesk Pediatr** 1982 May;37(5):241–3 (Eng. Abstr.) **(Cze)**

[The importance of superoxide dismutase in the development of the post-irradiation syndrome. VII. Effect of radioprotection and therapy on superoxide dismutase activity in the erythrocytes of irradiated dogs] Kovářová H, et al. **Sb Ved Pr Lek Fak Univ Karlovy [Suppl]** 1981; 24(3):279–88 (Eng. Abstr.) **(Cze)**

[Silent allele of the PGM1 system of erythrocytic phosphoglucomutase] Libich M, et al. **Soud Lek** 1981;26(4 Suppl):60–3 (Eng. Abstr.) **(Cze)**

[The altered membrane of the erythrocyte. I. Ultrahistochemical and biocellular investigations for the detection of activated acetylcholinesterase (ACHE) and demasking of IgG receptor sites (author's transl)] Halbhuber KJ, et al. **Acta Histochem (Jena)** 1982; 70(2):290–325 (Eng. Abstr.) **(Ger)**

[Determination of adenosine deaminase activity in erythrocytes of swine of various age groups] Grün E, et al. **Arch Exp Veterinarmed** 1981;35(5):675–85 (Eng. Abstr.) **(Ger)**

[Glutathione peroxidase activity in sheep erythrocytes as dependent on the selenium supply and selenium level of the blood] Wiesner E, et al. **Arch Exp Veterinarmed** 1982; 36(2):211–9 (Eng. Abstr.) **(Ger)**

[Determination of the galactokinase activity of erythrocytes of swine of various ages] Busch M, et al. **Folia Haematol (Leipz)** 1981;108(6):795–808 (Eng. Abstr.) **(Ger)**

[Separation of red blood cells from G6PD-deficient patients in dextran density gradients] Grieger M, et al. **Folia Haematol (Leipz)** 1982;109(2):290–306 (Eng. Abstr.) **(Ger)**

[Evaluation of methods to determine the vitamin B6 status of humans. 1. alpha-EGOT: methods and validation] Leinert J, et al. **Int J Vitam Nutr Res** 1981;51(2):145–54 (Eng. Abstr.) **(Ger)**

[The problem of the cellular receptor for cardiac glycosides (author's transl)] Bodemann HH. **Klin Wochenschr** 1981 Dec 15;59(24):1333–43 (Eng. Abstr.) **(Ger)**

[Red cell enzyme deficiencies - clinical manifestation and pathophysiology (author's transl)] Gahr M. **Monatsschr Kinderheilkd** 1981 Aug;129(8):444–53 (116 ref.) (Eng. Abstr.) **(Ger)**

[Erythrocyte enzyme defects and their clinical significance (author's transl)] Schröter W. **Monatsschr Kinderheilkd** 1981 Aug;129(8):432–43 (84 ref.) (Eng. Abstr.) **(Ger)**

[Activities of various erythrocyte enzymes in anemias with and without iron deficiency] Hlebarova M, et al. **Z Med Lab Diagn** 1981;22(5):277–83 (Eng. Abstr.) **(Ger)**

[Population-genetic examination of the glyoxalase I (GLO) red-cell isoenzyme system in the inhabitants of Szeged and its environment (South-Hungary) (author's transl)] Kósa F, et al. **Z Rechtsmed** 1982;88(1–2):113–9 (Eng. Abstr.) **(Ger)**

[Variations in erythrocyte enzymatic activity in the first days of life] Berti D, et al. **Boll Soc Ital Biol Sper** 1981 Jun 30;57(12):1340–5 (Eng. Abstr.) **(Ita)**

[Possible regulatory role of 5'-methylthioadenosine on enzymatic methyl esterification of membrane protein] Galletti P, et al. **Boll Soc Ital Biol Sper** 1981 Jun 15; 57(11):1188–94 (Eng. Abstr.) **(Ita)**

[[[Purification and properties of 6-phosphogluconate dehydrogenase from human erythrocytes] Matteuzzi M, et al. **Boll Soc Ital Biol Sper** 1981 Oct 30;57(20):2018–21 (Eng. Abstr.) **(Ita)**

[Changes of red blood cell carbonic anhydrase activity during anesthesia. IV Influence of ventilation (author's transl)] Taki K, et al. **Kokyu To Junkan** 1981 Sep;29(9):957–60 (Eng. Abstr.) **(Jpn)**

[Comparison of the activity values of delta-aminolevulinic acid dehydratase in human erythrocytes, as measured by three different methods (author's transl)] Tomokuni K. **Nippon Eiseigaku Zasshi** 1981 Feb;35(6):864–8 **(Jpn)**

[Molecular aspects of red cell enzyme anomalies] Fujii H, et al. **Nippon Ketsueki Gakkai Zasshi** 1980 Dec; 43(6):1196–202 (Eng. Abstr.) **(Jpn)**

[Erythroenzymopathies--the results and problems of red cell enzyme assays carried out in the past 9 years (author's transl)] Fujii R, et al. **Rinsho Ketsueki** 1982 Feb; 23(2):138–43 (Eng. Abstr.) **(Jpn)**

[Thirteen cases of erythrocyte pyruvate kinase deficiency associated with hereditary hemolytic anemia--clinical and biochemical studies (author's transl)] Ishida Y, et al. **Rinsho Ketsueki** 1981 Mar;22(3):306–16 (Eng. Abstr.) **(Jpn)**

[Juvenile chronic myelogenous leukemia in a seven-year-old boy with normal red cell carbonic anhydrase activity--a case report (author's transl)] Iwata N, et al. **Rinsho Ketsueki** 1981 Nov;22(11):1801–8 (Eng. Abstr.) **(Jpn)**

[Decreased heme synthetase activity in erythroblasts in two patients with erythropoietic protoporphyria (author's transl)] Kaneko K, et al. **Rinsho Ketsueki** 1981 Dec; 22(12):2023–33 (Eng. Abstr.) **(Jpn)**

[Effects of methylmercury on the erythrocyte glutathione peroxidase activity in rats (author's transl)] Hirota Y, et al. **Sangyo Igaku** 1981 Nov;23(6):634–5 **(Jpn)**

[Effect of Magnesium Diasporal on erythrocyte pyruvate kinase activity in healthy persons and in patients with pyruvate kinase deficiency] Gumińska M, et al. **Folia Med Cracov** 1980;22(3–4):425–33 (Eng. Abstr.) **(Pol)**

[Inhibition of acetylcholinesterase by various ecotoxins] Lembas J, et al. **Folia Med Cracov** 1980;22(3–4):435–42 (15 ref.) (Eng. Abstr.) **(Pol)**

[Lead concentration in the blood and aminolevulinic acid dehydratase (ALAD) activity in the erythrocytes depending on sex, age, tobacco smoking and alcohol drinking in the group of persons exposed to industrial dust] Kuliczkowski K. **Med Pr** 1981;32(2):99–107 (Eng. Abstr.) **(Pol)**

[Clinical and laboratory features of erythrocyte glucosephosphate dehydrogenase deficiency] Jabłońska-Skwiecińska E, et al. **Pediatr Pol** 1981 Sep; 56(9):1095–9 **(Pol)**

[Stereospecificity of active centers of acylcholinesterases] Volkova RI, et al. **Biokhimiia** 1982 May;47(5):803–9 (Eng. Abstr.) **(Rus)**

[Prolyl-specific endopeptidases in human erythrocyte hemolysates] Alekseenko LP, et al. **Dokl Akad Nauk SSSR** 1982;263(5):1258–61 **(Rus)**

[Erythrocyte enzymes at different stages of Plasmodium berghei schizogony] Grinberg LN, et al. **Med Parazitol (Mosk)** 1981 Nov-Dec;50(6):35–40 (Eng. Abstr.) **(Rus)**

[Ectoapyrase activity of chick erythrocytes and its modification by triiodothyronine during ontogeny] Kuus KhV, et al. **Ontogenez** 1982 Mar-Apr;13(2):193–7 (Eng. Abstr.) **(Rus)**

[Adenosine triphosphatase activities of the erythrocyte membrane in Duchenne's myodystrophy] Badalian LO, et al. **Pediatriia** 1981 May;(5):34–5 **(Rus)**

[Activity of erythrocyte aspartate aminotransferases and its stimulation in vitro with pyridoxal phosphate in children with obesity] Piatnitskaia IN, et al. **Pediatriia** 1982 May; (5):41–3 **(Rus)**

[Erythrocytic enzymopathies associated with hemolytic anemia] Miva Sh. **Probl Gematol Pereliv Krovi** 1981 Sep; 26(9):30–4 **(Rus)**

[Clinico-genetic polymorphism of erythrocytes glucose-6-phosphate dehydrogenase deficiency in Bulgaria] Shatskaia TL, et al. **Probl Gematol Pereliv Krovi** 1982 May;27(5):31–4 (Eng. Abstr.) **(Rus)**

[Disorders of purine nucleotide metabolism in the lymphoid and hematopoietic cells of tumor-bearing animals] Vornovitskaia GI, et al. **Vestn Akad Med Nauk SSSR** 1982; (3):29–35 (Eng. Abstr.) **(Rus)**

[Activity of erythrocyte purine phosphoribosyltransferases in Lesch-Nyhan syndrome] Aleksandrova LA, et al. **Vopr Med Khim** 1981 Mar-Apr;27(2):215–20 (Eng. Abstr.) **(Rus)**

[Erythrocyte purine phosphoribosyltransferase activity in girls with the Lesch-Nyhan syndrome] Aleksandrova LA, et al. **Vopr Med Khim** 1981;27(4):488–92 (Eng. Abstr.) **(Rus)**

[Changes in the structuro-functional properties of erythrocytes in vascular diseases of the brain] Mkheian EE, et al. **Vopr Med Khim** 1981;27(4):486–8 (Eng. Abstr.) **(Rus)**

[Erythrocyte levels of ALA-dehydrase and uro-synthetase in chronic renal insufficiency (author's transl)] Tabernero Romo JM, et al. **Med Clin (Barc)** 1981 Jun 25;77(2):69–71 (Eng. Abstr.) **(Spa)**

[Adenosine deaminase deficit in severe combined immunodeficiency (author's transl)] Español Borén T, et al. **Sangre (Barc)** 1981;26(6):1129–38 (Eng. Abstr.) **(Spa)**

IMMUNOLOGY

Genetics of the LH red blood cell membrane specificity. Sehajpal PK, et al. **Acta Anthropogenet** 1980;4(1–2):85–8

The primary immune response of brown trout (Salmo trutta) to cellular and soluble antigens: Enumeration of antibody-secreting and antigen-binding cells, and the production of antibody. Ingram GA, et al. **Acta Biol Med Ger** 1981;40(3):317–30

The IgG autoantibody binding determinant appearing on senescent membranes residues on a 62000 MW peptide. Kay MM. **Acta Biol Med Ger** 1981;40(4–5):385–91

A cell-age specific antigen on senescent human red blood cells. Lutz HU. **Acta Biol Med Ger** 1981;40(4–5):393–400

The relationship between human T-lymphocyte subsets defined by monoclonal antibodies and by avidity differences to sheep erythrocytes. Hokland P, et al. **Acta Pathol Microbiol Immunol Scand [C]** 1982 Apr; 90(2):105–8

Engulfment of erythrocytes by intestinocytes of the rat ileum. Newson B, et al. **Acta Pathol Microbiol Scand [A]** 1981 May;89(3):203–7

Further improvement of the enzyme-linked antiglobulin test (ELAT) for erythrocyte antibodies. Gilman GE, et al. **Am J Clin Pathol** 1982 Feb;77(2):206–10

Mouse erythrocyte formation. A marker for resting B lymphocytes. McGraw DJ, et al. **Am J Clin Pathol** 1982 Feb;77(2):177–83

Philip Levine Award lecture. The lysis of erythrocytes by incomplete antibodies. Rosse WF. **Am J Clin Pathol** 1982 Jan;77(1):1–6

Detection of IgG sensitization of red cells with 125I staphylococcal protein A. Yam P, et al. **Am J Hematol** 1982 Jun;12(4):337–46

Fetal and maternal red cell immune adherence (RCIA) receptors. Siegel I, et al. **Am J Reprod Immunol** 1981; 1(2):88–91

Thymic hormone-induced accelerated development of antibody responsiveness to sheep red blood cells in the newborn mouse. Teodorczyk-Injeyan J, et al. **Am J Reprod Immunol** 1982 Apr;2(2):107–10

Hemagglutinin of Haemophilus paragallinarum serotype 2 organisms: occurrence and immunologic properties of hemagglutinin. Sawata A, et al. **Am J Vet Res** 1982 Jul; 43(7):1311–4

Case report: a complication with intravenous anaesthesia in

a patient with auto-erythrocyte sensitisation syndrome (painful bruising syndrome). Hales P.
Anaesth Intensive Care 1981 Nov;9(4):390-1

The influence of autologous erythrocytes on active T-cells rosetting with sheep red blood cells and on DNA synthesis. Nowaczyk M, et al. **Arch Immunol Ther Exp (Warsz)** 1981; 29(3):391-6

The immune response of the chick following viral vaccinations and immunization with sheep red blood cells. van der Zijpp AJ, et al. **Avian Dis** 1982 Jan-Mar; 26(1):97-106

The hapten structure of a developmentally regulated glycolipid antigen (SSEA-1) isolated from human erythrocytes and adenocarcinoma: a preliminary note. Hakomori S, et al. **Biochem Biophys Res Commun** 1981 Jun;100(4):1578-86

Identification of surface antigens of the asexual erythrocytic cycle of malaria parasites. Newbold CI.
Biochem Soc Trans 1981 Dec;9(6):534

An immunological analysis of the effects of bromelain on the mouse erythrocyte membrane. Cunliffe DA, et al.
Biochim Biophys Acta 1981 Aug 20;646(2):275-82

A study on concanavalin A binding to human erythrocytes. Okada Y. **Biochim Biophys Acta** 1981 Nov 6;648(2):120-8

C3 modified at the thiolester site: acquisition of reactivity with cellular C3b receptors. Schreiber RD, et al.
Biosci Rep 1981 Nov;1(11):873-80

Bone marrow transplantation with major ABO blood group incompatibility using erythrocyte depletion of marrow prior to infusion. Braine HG, et al. **Blood** 1982 Aug; 60(2):420-5

Erythroid Fc-IgG and complement receptor expression: a study of normoblastic and megaloblastic human bone marrows. Bynoe AG, et al. **Blood** 1982 Aug;60(2):426-9

Role of membrane lipids in cold agglutination of human erythrocytes. Flamm M, et al. **Blood** 1982 Aug;60(2):340-5

A B-lymphoma cell line that forms rosettes with neuraminidase-treated sheep erythrocytes through monoclonal surface immunoglobulin. Tsutsumi Y, et al.
Blood 1982 Jun;59(6):1220-4

Immunochemical properties of antigens present on immature erythrocytes from mouse and rat. Mouchiroud G, et al.
Blut 1981 Dec;43(6):361-6

Erythrocytes with different surface immunological properties in the peripheral blood of beta-thalassaemic patients [letter] Berti G, et al. **Br J Haematol** 1982 Jan;50(1):175-6

Post-transfusion purpura: response to steroids and association with red blood cell and lymphocytotoxic antibodies. Slichter SJ. **Br J Haematol** 1982 Apr;50(4):599-605

Plasmapheresis and a placebo procedure in autoerythrocyte sensitisation. Hamblin TJ, et al. **Br Med J [Clin Res]** 1981 Dec 12;283(6306):1575-6

Flow cytofluorometric detection of tumor-specific rosette-forming cells in patients with squamous cell carcinoma of the head and neck. Tong AW, et al.
Cancer Res 1982 Jul;42(7):2949-55

Aging of the erythrocyte. VI. Accelerated red cell membrane aging in Down's syndrome? Bartosz G, et al.
Cell Biol Int Rep 1982 Jan;6(1):73-7

Analysis of the cellular interactions involved in the regulation of induced erythrocyte autoantibodies. Hutchings P, et al.
Cell Immunol 1981 Sep 15;63(2):221-7

Macrophage-mediated cytolysis of erythrocytes in the guinea pig. II. Role of oxidative burst products in macrophage cytotoxicity activated by lectins and phorbol ester derivatives. Keisari Y. **Cell Immunol** 1982 Feb;67(1):60-73

Involvement of human membrane-associated complement components in the rosette formation between marmoset red blood cells and human leukocytes. Teillaud JL, et al.
Cell Immunol 1982 Jan 15;66(2):254-68

Modulation of the immune responses against SRBC after oestriol treatment in mice. Ezaki T, et al.
Clin Exp Immunol 1982 Apr;48(1):239-43

Interleukin-2 allows in vivo induction of anti-erythrocyte autoantibody production in nude mice associated with the injection of rat erythrocytes. Reimann J, et al.
Clin Exp Immunol 1981 Mar;43(3):641-4

Heterogeneity in the size and stability of transmembrane channels produced by whole complement. Boyle MD, et al. **Clin Immunol Immunopathol** 1981 Sep;20(3):287-95

The effects of corticosteroids on IgG Fc receptor and complement receptor-mediated interaction of monocytes with red cells. Kurlander RJ.
Clin Immunol Immunopathol 1981 Sep;20(3):325-35

Leukocyte-poor red blood cells (washed) prevent transfusion reactions. Palermo GJ, et al. **Conn Med** 1981 Dec; 45(12):753-4

Chemical and immunological characterization of developmentally expressed chicken erythroid surface membrane antigens. Kline K, et al. **Dev Biol** 1982 Jun; 91(2):389-96

Freund's complete adjuvant induces split tolerance to sheep erythrocytes in the lizard, Calotes versicolor. Jayaraman S, et al. **Dev Comp Immunol** 1982 Winter;6(1):175-80

Increased 125I-labelled concanavalin A binding to erythrocytes in diabetes mellitus. Okada Y, et al.
Diabetologia 1982 Mar;22(3):212-4

Normal or retrovirus-infected cultured chicken embryo cells express the 48,000 D age-related antigen characteristic of embryonic chicken erythrocytes. Perisic O, et al.
Differentiation 1981;18(3):175-8

Vicia graminea anti-N lectin: partial characterization of the purified lectin and its binding to erythrocytes. Duk M, et al. **Eur J Biochem** 1981 Aug;118(1):131-6

Studies on blood-groups A1 and A2. Further evidence for the predominant influence of quantitative differences in the number of A antigenic sites present on A1 and A2 erythrocytes. Schenkel-Brunner H. **Eur J Biochem** 1982 Mar 1;122(3):511-4

Monoclonal antibodies to human erythrocytes. Anstee DJ, et al. **Eur J Immunol** 1982 Mar;12(3):228-32

The toleration of rat thymocytes to xenogeneic erythrocytes: kinetics of induction and recovery. Bunce JV, et al.
Eur J Immunol 1981 Nov;11(11):889-96

Primary antibody responses to hapten-modified syngeneic cells: exceptional immunogenicity of erythrocytes. Nakashima I, et al. **Eur J Immunol** 1981 Nov;11(11):946-8

Clearance of sensitized erythrocytes in NZB/NZW mice. Effects of castration and sex hormone treatment. Shear HL, et al. **Eur J Immunol** 1981 Oct;11(10):776-80

Monoclonal antibodies OKT 11 and OKT 11A have pan-T reactivity and block sheep erythrocyte 'receptors'. Verbi W, et al. **Eur J Immunol** 1982 Jan;12(1):81-6

Affinity targeting of membrane vesicles to cell surfaces. Godfrey W, et al. **Exp Cell Res** 1981 Sep;135(1):137-45

The effect of splenectomy on the appearance of specific antibody-forming cells in lungs of dogs after intravenous immunization with sheep erythrocytes. Kaltreider HB, et al. **Exp Lung Res** 1981 Aug;2(3):231-8

Trypanosoma cruzi: correlation of resistance and susceptibility in infected bred mice with the in vivo primary antibody response to sheep red blood cells. Tanowitz HB, et al. **Exp Parasitol** 1981 Oct;52(2):233-42

Immunochemistry of the Lewis blood-group system: investigations on the Lec antigen. Hanfland P, et al.
FEBS Lett 1982 Jun 1;142(1):77-80

Further testing of several strains of mice with respect to detection of H - 2 antigens on neonatal erythrocytes. Boubelík M, et al. **Folia Biol (Praha)** 1981;27(5):301-7

Study of some properties of ABO test sera by using the method of phagocytosing erythrocytes treated with formaldehyde in vitro. Nikolov C.
Folia Haematol (Leipz) 1981;108(6):838-43

Antibody coated gold particles containing radioactive gold in the demonstration of cell surface molecules. Kent SP, et al. **Histochemistry** 1981;72(1):83-90

Duch, Dha. A low frequency red cell antigen. Jørgensen J, et al. **Hum Hered** 1982;32(2):73-5

HLA-and Gm-linked genes affecting the degradation rate of antigens (sheep red blood cells) endocytized by macrophages. Legrand L, et al. **Hum Immunol** 1982 Feb; 4(1):1-13

Proteinase-induced modulation of the activity of rat macrophages to bind rabbit-IgG-sensitized sheep erythrocytes. Boltz-Nitulescu G, et al. **Immunobiology** 1982;162(1):1-14

Description of a simple, specific, and sensitive test for the detection of detergent-solubilized C3b receptor. Dierich MP, et al. **Immunobiology** 1981;160(2):241-7

Differential effector functions of central and peripheral compartments of immune response system: characterization of immune responses in the spleen and mesenteric lymph nodes to directly injected sheep red blood cells. Kojima T, et al. **Immunobiology** 1982 May;161(5):442-56

'Natural' antibodies to chicken MHC antigens are present in mice, rats, humans, alligators and allogeneic chickens. Longenecker BM, et al. **Immunogenetics** 1980;11(3):293-302

Paired H-2-specific monoclonal antibodies react differently to red cells and lymphocytes. Tonkonogy SL, et al.
Immunogenetics 1981 Dec;14(6):497-505

Serological characterization of rat class II (RT1.B) alloantigens. Analysis of the RT1l, RT1u, and RT1n haplotypes. Wettstein PJ. **Immunogenetics** 1981 Dec; 14(6):541-7

Erythrocyte membrane phosphatidylcholine and Rh (D) antigen cryolatency. Green FA. **Immunol Commun** 1982; 11(1):25-32

Red cell immune adherence (RCIA): its application in cancer and autoimmune disease. Siegel I, et al.
Immunol Commun 1981;10(4-5):433-49

Kupffer cells recognize trinitrobenzene-labeled erythrocytes. Friedrich EA, et al. **Immunol Lett** 1982 Mar;4(3):167-70

The hemolytic activity of (Fab-Fc) recombinant immunoglobulins with specificity for the sheep red blood cells. Rybarska J, et al. **Immunol Lett** 1982 May;4(5):279-84

The participation of trimethylammonium in the mouse erythrocyte epitope recognized by monoclonal autoantibodies. Serban D, et al. **Immunol Lett** 1981 Nov; 3(5):315-9

Alterations in the surface membrane of red blood cells during malaria. Howard RJ. **Immunol Rev** 1982;61:67-107 (98 ref.)

Differentiation of C3b receptors on human lymphocytes, phagocytes, erythrocytes and renal glomerulus cells by monoclonal antibodies. Dierich MP, et al. **Immunology** 1982 Jan;45(1):85-96

Participation of diffusible products in the in vivo immune primary response to red blood cells. Fossati CA, et al.
Immunology 1981 Sep;44(1):11-5

Exposure of the Rh0(D) antigen on the surface and cytoplasmic domains of the red cell membrane. Kleeman JE, et al. **Immunology** 1982 Jan;45(1):27-30

Proliferative response of lymphocyte subpopulations differing in avidity for sheep red blood cells after stimulation with normal allogeneic and tumour cells. Matera L, et al.
Immunology 1981 Dec;44(4):765-72

Regulation of macrophage phagocytosis of syngeneic erythrocytes by T-cell subsets from NZB mice: differential effects of T cells from young and old mice. Nakamura K, et al. **Immunology** 1982 Jul;46(3):561-73

A possible role of PMN in a casein-induced enhancement of PFC response to sheep erythrocytes in mice. Nakayama S, et al. **Immunology** 1982 Apr;45(4):669-77

The effect of cyclosporin A on the primary immune response to allogeneic red cells in rabbits. Smith GN.
Immunology 1982 Jan;45(1):163-7

Effects of per anum immunization with sheep red blood cells on the structure of the post-capillary venules in the T-cell area of chicken cloacal bursa. Syrjänen KJ, et al.
Immunology 1982 Apr;45(4):721-6

Rhesus monkeys protected against Plasmodium knowlesi malaria produce antibodies against a 65,000-MrP. knowlesi glycoprotein at the surface of infected erythrocytes. Schmidt-Ullrich R, et al. **Infect Immun** 1981 Nov; 34(2):519-25

Binding of immunoglobulin- and complement-coated erythrocytes to human neutrophil subpopulations. Whited SC, et al. **Inflammation** 1981 Jun;5(2):103-14

Studies on the cellular site of action of the adjuvant activity of saponin for sheep erythrocytes. Bomford R.
Int Arch Allergy Appl Immunol 1982 Feb;67(2):127-31

Lipopolysaccharide-induced autoantibody response. II. Age-related change in plaque-forming cell response to bromelain-treated syngeneic erythrocytes. Fujiwara M, et al. **Int Arch Allergy Appl Immunol** 1981;66(2):161-72

Quantitation of antibody production in mouse bone marrow during the secondary response to sheep erythrocytes. Koch G, et al. **Int Arch Allergy Appl Immunol** 1982 Mar; 67(3):239-44

Increase in rosette-forming T cells with autologous human erythrocytes in lymphocytes of patients with tuberculosis by in vitro stimulation with purified protein derivative. Tsuyuguchi I, et al. **Int Arch Allergy Appl Immunol** 1982 Feb;67(2):161-8

Role of C4-binding protein in the defective lysis of sensitized sheep erythrocytes by mouse complement. van Amerongen A, et al. **Int Arch Allergy Appl Immunol** 1982;68(3):209-13

Changes in the expression of membrane antigens during the differentiation of chicken erythroblasts. Hayman MJ, et al.
J Cell Biochem 1982;18(3):351-62

Clonal expression of the Tn antigen in erythroid and granulocyte colonies and its application to determination of the clonality of the human megakaryocyte colony assay. Vainchenker W, et al. **J Clin Invest** 1982 May;69(5):1081-91

Competition for immune complexes by red cells in human blood. Medof ME, et al. **J Clin Lab Immunol** 1982 Jan; 7(1):7-13

Red blood cell requirements of human T lymphocyte colonies. Woods GM, et al. **J Clin Lab Immunol** 1981 Sep; 6(2):175-80

Malarial antibodies and parasitaemias in immunosuppressed mice. Hegazi MM, et al. **J Egypt Soc Parasitol** 1981 Dec; 11(2):399-403

Lack of oral tolerance in C3H/HeJ mice. Kiyono H, et al.
J Exp Med 1982 Feb 1;155(2):605-10

Novel differentiation antigens on late erythrocytic progenitor cells detected by alloantisera made between mouse strains congenic at the Fv-2 locus. Vaithilingam DS, et al.
J Exp Med 1982 May 1;155(5):1491-500

The occurrence of Thomsen-Friedenreich receptors in bovine erythrocytes of various FV genotypes. Sellei J.
J Immunogenet 1981 Aug;8(4):263-9

Altered expression of Plasmodium knowlesi variant antigen on the erythrocyte membrane in splenectomized rhesus monkeys. Barnwell JW, et al. **J Immunol** 1982 Jan; 128(1):224-6

C4 does not bind to human and rabbit IgM during activation of the classical complement pathway on the red cell. Circolo A, et al. **J Immunol** 1982 Oct;129(4):1485-8

Genetic control of B cell function. II. Antibody responses of inbred mice to red blood cells are controlled at the B cell level. Hetzelberger D, et al. **J Immunol** 1981 Dec; 127(6):2512-6

A self determinant recognizing T cell hybridoma. Juy D, et al. **J Immunol** 1982 Sep;129(3):1153-8

Guinea pig erythrocytes, after their contact with influenza virus, acquire the ability to activate the human alternative complement pathway through virus-induced desialation of the cells. Lambré CR, et al. **J Immunol** 1982 Feb; 128(2):629-34

Naturally occurring autoantibodies to skeletal proteins from human red blood cells. Lutz HU, et al. **J Immunol** 1982 Apr;128(4):1695-9

The quantitative relationship between clearance rate constants and number of C1-fixing sites. Meryhew NL, et al. **J Immunol** 1982 Sep;129(3):1147-52

Antibody restores human alternative complement pathway activation by mouse erythrocytes rendered functionally deficient by pretreatment with pronase. Moore FD Jr, et al. **J Immunol** 1982 Mar;128(3):1302-6

The high background immune reactivity of mice to polymorphic determinants on xenogeneic erythrocytes: theoretical and practical implications. Mosmann TR, et al.
J Immunol 1982 Jan;128(1):100-4

Purification from guinea pig erythrocyte stroma of a decay-accelerating factor for the classical c3 convertase, C4b,2a. Nicholson-Weller A, et al. **J Immunol** 1981 Nov;

127(5):2035–9
Nonspecific immunosuppressive factors in malignant ascites: further characterization and possible relationship to erythrocyte receptors of human peripheral T cells. Oh SK, et al. **J Immunol** 1981 Dec;127(6):2300–7
The binding characteristics of anti–Rho(D)–positive human and chimpanzee erythrocytes measured with 14C protein A. Owens NA, et al. **J Immunol** 1982 Oct;129(4):1471–3
IgG subclass distribution of anti–sheep red blood cell plaque–forming cells in mice with the CBA/N defect. Phillips NE, et al. **J Immunol** 1982 May;128(5):2319–21
Characterization of the alloactivated E+Ia+ cell capable of stimulating in mixed lymphocyte culture. Shen HH, et al. **J Immunol** 1982 Jan;128(1):501–5
Inhibition of marker influx into complement–treated resealed erythrocyte ghosts by anti–C5. Simone CB, et al. **J Immunol** 1982 Mar;128(3):1168–75
An isotopic antiglobulin test for quantitation of anti–sheep red blood cell antibodies of individual Ig classes in mice bearing different IgCH haplotypes. Haber J, et al. **J Immunol Methods** 1982;48(1):61–74
An immunization method using antigen entrapped in erythrocyte ghosts. Iino T, et al. **J Immunol Methods** 1981; 42(3):319–23
Hemolysis by the complement of tanned erythrocytes coated with cobra venom factor: a sensitive method to detect the alternative complement pathway activity of serum. Okada H, et al. **J Immunol Methods** 1981;46(1):85–95
Micro–system for the primary immunization of baboon (Papio cynocephalus) peripheral blood mononuclear cells with sheep erythrocytes in vitro. Powell MR, et al. **J Immunol Methods** 1982;48(1):75–80
Cells involved in the immune response. XXX. An evaluation of the different assays to demonstrate rabbit spleen plaque–forming cells. Enhancement of the assay by anti–target cell antibodies. Richter M, et al. **J Immunol Methods** 1981;46(1):77–83
Immune response to immobilized sheep erythrocyte monolayer. Setcavage TM, et al. **J Immunol Methods** 1981; 46(3):299–305
Interaction of L antibody with low potassium–type sheep red cells: resolution of two separate functional antibodies. Smalley CE, et al. **J Membr Biol** 1982;64(3):167–74
Effects of dietary cholesterol on antibody–dependent phagocytosis and cell–mediated lysis in guinea pigs. Duwe AK, et al. **J Nutr** 1981 Sep;111(9):1672–80
Immunogenic antigens common to Plasmodium knowlesi and Plasmodium falciparum are expressed on the surface of infected erythrocytes. Schmidt–Ullrich R, et al. **J Parasitol** 1982 Apr;68(2):185–93
The autoerythrocyte sensitization syndrome as the primary manifestation of systemic lupus erythematosus. Scott JP, et al. **J Pediatr** 1981 Oct;99(4):598–600
The use of the red cell surface antigen to predict the malignant potential of transitional cell carcinoma of the ureter and renal pelvis. Hall L, et al. **J Urol** 1982 Jan; 127(1):23–5
Re: red cell surface antigen and its relationship to survival of patients with transitional cell carcinoma of the bladder, Asghar Askari, Enrique Colmenares, Akiko Saberi and W. Dabney Jarman, J. Urol., 125: 182–184, 1981 [letter] Javadpour N. **J Urol** 1982 Feb;127(2):341–2
The use of red cells with fused Semliki Forest virus envelope proteins in antibody determinations by hemolysis in gel. Väänänen P. **J Virol Methods** 1982 Mar;4(2):117–26
Anti–erythrocyte autoimmunization during chronic falciparum malaria. Abdalla S, et al. **Lancet** 1981 Oct 24; 2(8252):930–1
Immunity and the red blood–cell [letter] Garvey JS. **Lancet** 1982 Jan 23;1(8265):223
Anti–erythrocyte autoimmunisation during chronic Falciparum malaria [letter] Lefrancois G, et al. **Lancet** 1982 Jan 30;1(8266):280–1
The red–cell immune system. Siegel I, et al. **Lancet** 1981 Sep 12;2(8246):556–9
Red cell immune adherence [letter] Siegel I, et al. **Lancet** 1981 Oct 17;2(8251):878–9
Serology of leprosy. I. Indirect hemagglutination test with stabilized sensitized red cells. Jagannath C, et al. **Lepr India** 1981 Oct;53(4):507–12
Increased stability of E–rosettes and restricted capping of sheep erythrocytes by lymphocytes of aged humans. Brohee D, et al. **Mech Ageing Dev** 1982 Jan;18(1):47–52
An age–specific cell antigen is present on senescent human red blood cell membranes. A brief note. Lutz HU, et al. **Mech Ageing Dev** 1981 Jan;15(1):65–75
The LOX antigen: a new chemically–induced red cell antigen. Bruce M, et al. **Med Lab Sci** 1981 Jul;38(3):177–86
Red cell antibody screening: a comparative evaluation of four manual techniques. Vale DR, et al. **Med Lab Sci** 1981 Oct; 38(4):379–84
Surface markers on leukemic blasts and their prognostic significance. Sen L, et al. **Medicina (B Aires)** 1981;41 Suppl:109–17
Detection of antigens and haptens by inhibition of passive immune hemolysis. Borsos T, et al. **Methods Enzymol** 1981; 74 Pt C:161–5
Assay of effect of interferon on in vitro primary plaque–forming response to sheep red blood cells. Fridman WH, et al. **Methods Enzymol** 1981;79(Pt B):510–7
Alterations in the immunogenic properties of sheep erythrocytes by sonic disruption. Nagase F, et al. **Microbiol Immunol** 1982;26(2):139–51
Interactions between sphered human red cells in tube flow: technique for measuring the strength of antigen––antibody bonds. Goldsmith HL, et al. **Microvasc Res** 1982 Mar; 23(2):231–8
Identification of a schizont– and species–specific surface glycoprotein on erythrocytes infected with rodent malarias. Newbold CI, et al. **Mol Biochem Parasitol** 1982 Jan; 5(1):45–54
Immunochemical studies of infectious mononucleosis––X. Characterization of a glycoprotein from horse erythrocytes which reacts with Paul–Bunnell antibody. Caldwell KE, et al. **Mol Immunol** 1982 Jun;19(6):779–91
Mode of inheritance of decreased C3b receptors on erythrocytes of patients with systemic lupus erythematosus. Wilson JG, et al. **N Engl J Med** 1982 Oct 14;307(16):981–6
Isolation of membrane components associated with human red cell antigens Rh(D), (c), (E) and Fy. Moore S, et al. **Nature** 1982 Feb 11;295(5849):529–31
Restriction of alternative complement pathway activation by sialosylglycolipids. Okada N, et al. **Nature** 1982 Sep 16; 299(5880):261–3
Cell membrane predictors of response to lithium prophylaxis of affective disorders. Del Vecchio M, et al. **Neuropsychobiology** 1981;7(5):243–7
Homologous species restriction in lysis of erythrocytes by terminal complement proteins. Hänsch GM, et al. **Proc Natl Acad Sci USA** 1981 Aug;78(8):5118–21
Assembly of the functional membrane attack complex of human complement: formation of disulfide–linked C9 dimers. Ware CF, et al. **Proc Natl Acad Sci USA** 1981 Oct;78(10):6426–30
Fetal and maternal red cell immune adherence (RCIA) receptors. Siegel I, et al. **Prog Clin Biol Res** 1981;70:115–20
The relative toxicity of metal salts to immune hemolysis in a mixture of antibody–secreting spleen cells, sheep red blood cells and complement. Seko Y, et al. **Res Commun Chem Pathol Pharmacol** 1982 May; 36(2):205–13
Tx, a 'new' red cell cryptantigen exposed by pneumococcal enzymes. Bird GW, et al. **Rev Fr Transfus Immunohematol** 1982 Apr;25(2):215–6
Change in i–antigen expression of erythrocytes during in vivo aging. Testa U, et al. **Rev Fr Transfus Immunohematol** 1981 Jun;24(3):299–305
Expression of red cell specific determinants during differentiation in the K562 erythroleukaemia cell line. Horton MA, et al. **Scand J Haematol** 1981 Oct;27(4):231–40
Immunoelectrophoretic analyses of antigenic and human specific proteins of red cell membrane. Iwasa M, et al. **Tohoku J Exp Med** 1982 Mar;136(3):303–12
Human specific antigens and species difference in non–hemoglobin proteins of red cell lysate. Sagisaka K, et al. **Tohoku J Exp Med** 1981 Oct;135(2):197–204
Glutaraldehyde–treated xenocells: a specific adsorbent for complement factors. Schmer G, et al. **Trans Am Soc Artif Intern Organs** 1981;27:445–8
Synthesis of enzyme reactors consisting of xenocells. Schmer G, et al. **Trans Am Soc Artif Intern Organs** 1981;27:544–6
Effect of temperature on the red cell membrane protein and its antigenic reactivity. Ballas SK, et al. **Transfusion** 1981 Sep–Oct;21(5):537–41
Monocyte–mediated erythrocyte destruction. A comparative study of current methods. Hunt JS, et al. **Transfusion** 1981 Nov–Dec;21(6):735–8
M and N specific hemagglutinins of human erythrocytes stored in glucose solutions. Morel PA, et al. **Transfusion** 1981 Nov–Dec;21(6):652–62
Weak 'false positive' direct antiglobulin test reactions with polyspecific antiglobulin reagents: lack of correlation with red–blood–cell–bound C3d. Nasongkla M, et al. **Transfusion** 1982 Jul–Aug;22(4):273–5
The detection of clinically significant erythrocyte alloantibodies using a human mononuclear phagocyte assay. Schanfield MS, et al. **Transfusion** 1981 Sep–Oct; 21(5):571–6
Freezing red blood cells prepared for quality control of antiglobulin sera. Szymanski IO, et al. **Transfusion** 1981 Sep–Oct;21(5):498–501
Antigen sharing between Fasciola hepatica and human erythrocytes. Ben–Ismail R, et al. **Tropenmed Parasitol** 1982 Mar;33(1):11–4
Specific red cell adherence test and unspecific immune response in patients with superficial bladder cancer. Jakse G, et al. **Urol Int** 1981;36(3):171–7
Specific red cell adherence test applied to tumors of ureter and renal pelvis. Gruber MB, et al. **Urology** 1982 Apr; 19(4):361–5
Erythrocyte antibodies in porcine eperythrozoonosis. Hoffmann R, et al. **Vet Immunol Immunopathol** 1981 Apr; 2(2):111–9
Demonstration of anti–horse red blood cell antibodies in a sarcocystis infected pony. Gasbarre LC. **Vet Rec** 1982 Jul 3;111(1):15–6
A new elution procedure using chloroform, a nonflammable organic solvent. Branch DR, et al. **Vox Sang** 1982 Jan; 42(1):46–53
Modulation of complement lysis of human erythrocytes by the membrane lipid viscosity. Cohen AM, et al. **Vox Sang** 1982 Jul;43(1):23–7
Parthenocissus tricuspidata activity directed against human red blood cell coated with C3b. Crawford GJ, et al. **Vox Sang** 1981 Sep;41(3):178–82
Species–specific glycoproteins of the human red cell membrane. Hara M, et al. **Vox Sang** 1982 Mar;42(3):151–6
Discovery of a cytoplasmic–dominant alloantigen prevalent in erythrocytes. Neurath AR, et al. **Vox Sang** 1981; 41(4):201–6
Protease modification enhances anti–D binding to nucleated red blood cell precursors. Rearden A, et al. **Vox Sang** 1981 Sep;41(3):160–4
Characteristics of an antibody causing agglutination of M–positive non–enzymatically glycosylated human red cells. Reid ME, et al. **Vox Sang** 1981;41(2):85–90
Vga: a new low incidence red cell antigen. Young S. **Vox Sang** 1981;41(1):48–9
Different protein–lipid interaction in human red blood cell membrane of Rh positive and Rh negative blood compared with Rhnull. Dorn–Zachertz D, et al. **Z Naturforsch [C]** 1981 Nov–Dec;36(11–12):988–96
[Erythrocyte antigen studies in relative sterility due to immunological incompatibility] Kopylova MK, et al. **Akush Ginekol (Sofiia)** 1981;20(5):388–90 **(Bul)**
[Morphological blood changes in calves with secondary immune blood transfusion shock caused by the recipients' immune erythrocyte isoantibodies] Golemanov D. **Vet Med Nauki** 1981;18(4):65–70 (Eng. Abstr.) **(Bul)**
[The practical value of erythrocyte antibody rosette test in patient with hepatitis (author's transl)] Mai QK. **Chung Hua Nei Ko Tsa Chih** 1981 May;20(5):292–3 **(Chi)**
[Autoerythrocyte sensitization syndrome (author's transl)] Hodáč V, et al. **Cesk Dermatol** 1981 Aug;56(4):239–46 (Eng. Abstr.) **(Cze)**
[T–lymphocyte determination using the rosette test with AET stabilized erythrocytes] Procházková J. **Sb Ved Pr Lek Fak Univ Karlovy [Suppl]** 1981;24(1):147–50 **(Cze)**
[Chemical structure of erythrocyte blood group antigens] Karhi K, et al. **Duodecim** 1981;97(18):1465–72 **(Fin)**
[Preliminary studies on the immune response to tetanus antitoxin: use of dried blood on filter paper] Tarzaali A, et al. **Arch Inst Pasteur Alger** 1978–79;53:114–9 (Eng. Abstr.) **(Fre)**
[Sambucus ebulus L. lectin: detection of H character of newborn red cells] Lalaurie M, et al. **C R Soc Biol (Paris)** 1981;175(4):490–5 (Eng. Abstr.) **(Fre)**
[Erythrocyte phenotypes and gene frequency of the ABO system in the Congo population. Evaluation based on 5,400 subjects] Empana A, et al. **Rev Fr Transfus Immunohematol** 1982 Feb;25(1):19–24 (Eng. Abstr.) **(Fre)**
[Anti–erythrocyte immunization in the pregnant woman. Apropos of the analysis of 761 cases of alloimmunized women delivered in the Paris area in 1978 and 1979] Pinon F, et al. **Rev Fr Transfus Immunohematol** 1981 Nov; 24(5):483–97 (Eng. Abstr.) **(Fre)**
[Recurrent primary erythroblastopenia in adults. Possible suppressive role of mononuclear blood cells on erythropoiesis] Turpin F, et al. **Rev Med Interne** 1981; 2(4):395–400 (Eng. Abstr.) **(Fre)**
[Suppressive effects of 5–bromuracile and 5–bromuracile–epsilon–aminocaproic acid on the humoral anti–sheep erythrocyte immune response of mice in vivo and in vitro (author's transl)] Malberg K, et al. **Allerg Immunol (Leipz)** 1981;27(2):94–101 (Eng. Abstr.) **(Ger)**
[Erythrocyte membrane antigen systems Lutheran, Colton and Dombrock in forensic hemogenetics] Henke J. **Beitr Gerichtl Med** 1981;39:101–8 (Eng. Abstr.) **(Ger)**
[Maturation processes in the plasmalemma of erythroid cells] Linss W, et al. **Gegenbaurs Morphol Jahrb** 1981; 127(5):601–4 (Eng. Abstr.) **(Ger)**
[Erythrocyte sensitization syndrome (Gardner–Diamond syndrome, Sharp's painful bruising syndrome)] Pevny I, et al. **Hautarzt** 1982 May;33(5):251–6 (38 ref.) (Eng. Abstr.) **(Ger)**
[Elimination of old erythrocytes from the circulation: exposure of a cell–age specific antigen on aging erythrocytes] Lutz HU. **Schweiz Med Wochenschr** 1981 Oct 10;111(41):1507–17 (Eng. Abstr.) **(Ger)**
[Isolation and partial characterization of the antigen for heterohemagglutinins of human serum from rabbit erythrocyte membranes (author's transl)] Akiyama K, et al. **Igaku Kenkyu** 1981 Jul;51(3):143–7 (Eng. Abstr.) **(Jpn)**
[Incidence of the occurrence of erythrocyte agglutinating antibodies coated with incomplete IgG or the products of their pepsin and papain digestion in chronic glomerulonephritis and dialysis patients] Kacprzyk F, et al. **Pol Arch Med Wewn** 1981 Nov–Dec;66(5–6):353–62 (Eng. Abstr.) **(Pol)**
[Malaria in the municipality of Humaitá, State of Amazonas. XII – Incidence of erythrocyte resistance factors in the general population and in patients: hemoglobin S and Duffy blood system] Colauto EM, et al. **Rev Inst Med Trop Sao Paulo** 1981 Sep–Oct;23(5 Suppl 5):72–8 (Eng. Abstr.) **(Por)**
[Malaria in the municipality of Humaitá, State of Amazonas. X – Incidence of anti–erythrocyte antibodies in the general population and in patients] Colauto EM, et al. **Rev Inst Med Trop Sao Paulo** 1981 Sep–Oct;23(5 Suppl 5):61–4 (Eng. Abstr.) **(Por)**

[Effect of rubomycin and carminomycin on the delayed hypersensitivity reaction in mice immunized with ram erythrocytes] Vatin AE. **Antibiotiki** 1981 Oct;26(10):750–3 (Eng. Abstr.) **(Rus)**

[Role of the erythrocytes in transplantation immunity reactions] Vasilenko VT. **Arkh Patol** 1981;43(5):25–31 (Eng. Abstr.) **(Rus)**

[Design of a cholera erythrocytic enterotoxic ganglioside indicator for detecting specific immunoglobulins] Dolmatova LA, et al. **Lab Delo** 1982;(1):40–2 (Eng. Abstr.) **(Rus)**

[Valency of erythrocyte indicators] Levi MI. **Lab Delo** 1982;(1):48–50 **(Rus)**

[Effect of hepatic glycoproteins on inhibition of immume erythrodieresis] Mikhailova SN, et al. **Patol Fiziol Eksp Ter** 1981 Sep–Oct;(5):62–5 (Eng. Abstr.) **(Rus)**

[Isosensitization to the formed blood elements in children receiving blood transfusion therapy] Aribzhanova IM, et al. **Pediatriia** 1981 Dec;(12):42–3 (Eng. Abstr.) **(Rus)**

[Detection of the erythroblast antigen on the blast surface in some forms of acute leukemia] Idel'son LI, et al. **Probl Gematol Pereliv Krovi** 1981 Aug;26'8):16–21 (Eng. Abstr.) **(Rus)**

[Characteristics of the antigenic structure of the erythrocytes and leukocytes in the Komi population] Zaitseva GA, et al. **Probl Gematol Pereliv Krovi** 1981 Sep;26(9):23–6 (Eng. Abstr.) **(Rus)**

[Role of erythrocytes in immune response during infectious–allergic myocarditis] Odinokova VA, et al. **Sov Med** 1982;(4):54–7 **(Rus)**

[Clinical manifestations, immunological characteristics and therapy of autoimmune hemolytic anemia with antibodies against erythrokaryocyte antigens associated with benign thymoma] Idel'son LI, et al. **Ter Arkh** 1981;53(9):99–102 (Eng. Abstr.) **(Rus)**

[Development of an erythrocyte diagnosticum for detecting measles antibodies] Kashkina GB, et al. **Tr Inst Pastera** 1979;53:78–84 **(Rus)**

[Immune response to sheep erythrocytes and tetanus toxoid in rats and mice with adjuvant disease] Davydova TV. **Vestn Akad Med Nauk SSSR** 1981;(6):32–4 (Eng. Abstr.) **(Rus)**

[Preparation of antibody erythrocyte for indicating arbovirus antigens] Kiriushchenko TV, et al. **Vopr Virusol** 1982 Jan–Feb;(1):98–102 **(Rus)**

[Antigenic similarity of the pertussis component of adsorbed DTP vaccine to human erythrocytes] Aleksandrova LZ, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1982 Jun;(6):82–8 (Eng. Abstr.) **(Rus)**

[Electron microscopic study of the immune adherence reaction of bacteria with erythrocytes] Bykov AS, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1981 Sep;(9):102–6 **(Rus)**

[Use of the rosette formation reaction for the purpose of studying erythrocyte properties in liver diseases] Iudina SM. **Zh Mikrobiol Epidemiol Immunobiol** 1982 Mar;(3):26–9 (Eng. Abstr.) **(Rus)**

[Erythrocyte tanning and the characteristics of protein sensitins] Karal'nik BV, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1982 Jan;(1):91–5 **(Rus)**

[Anti–RaRBC antibodies in human serum. I. The presence of complete anti–RaRBC antibodies in the serum of healthy persons and their isotype specificity] Miletić VD, et al. **Bilt Hematol Transfuz** 1980;8(1):45–56 (Eng. Abstr.) **(Scr)**

[Enhancement of the immune agglutination of erythrocytes by fibrinogen] Hidalgo CG, et al. **Acta Cient Venez** 1980; 31(6):578–83 (Eng. Abstr.) **(Spa)**

METABOLISM

The Ca2+–sensitive K+ transport in inside–out red cell membrane vesicles. Szebeni J. **Acta Biochim Biophys Acad Sci Hung** 1981;16(1–2):77–82

IXth International Berlin Symposium on Structure and Function of Erythroid cells. August 27–30, 1980. **Acta Biol Med Ger** 1981;40(4–5):351–738

Regulation of glycolysis in human erythrocytes. The mechanism of ATP concentration stabilization. Ataullakhanov FI, et al. **Acta Biol Med Ger** 1981; 40(7–8):991–7

Prenatal ontogeny of blood oxygen affinity and its determinants. Bauer C, et al. **Acta Biol Med Ger** 1981; 40(4–5):639–44

Molecular changes which contribute to canine postnatal anemia. Black JA, et al. **Acta Biol Med Ger** 1981; 40(4–5):645–51

Alkali ion transport of primycin modified erythrocytes. Blasko K, et al. **Acta Biol Med Ger** 1981;40(4–5):465–9

Evidence for a carrier–mediated exchange–diffusion entry of calcium into erythrocytes. Cameron BF, et al. **Acta Biol Med Ger** 1981;40(6):771–7

Energy and heat production of human erythrocytes in different media. de Verdier CH. **Acta Biol Med Ger** 1981; 40(4–5):699–702

Erythrocyte membrane fluidity, lipid peroxidation and lysis in alcoholic liver disease. Goebel KM, et al. **Acta Biol Med Ger** 1981;40(4–5):571–6

Abnormal phosphoenolpyruvate transport in erythrocytes of hereditary spherocytosis. Ideguchi H, et al. **Acta Biol Med Ger** 1981;40(4–5):555–8

Regulation of red cell DPG metabolism in fetuses and adults. Jelkmann W, et al. **Acta Biol Med Ger** 1981;40(4–5):661–4

ATP utilizing reactions of human erythrocyte membranes and the influence of modulator proteins. Maretzki D, et al. **Acta Biol Med Ger** 1981;40(4–5):479–86

Further investigation on ATP metabolism and red cell membrane integrity. Nakao M, et al. **Acta Biol Med Ger** 1981;40(7–8):1003–8

The binding of fibrinogen and fibrinogen degradation products to the erythrocyte membrane and its relationship to haemorheology. Rampling MW. **Acta Biol Med Ger** 1981;40(4–5):373–8

The effect of pyruvate on glycolysis and the maintenance of adenine nucleotides in red cells. Rapoport SM, et al. **Acta Biol Med Ger** 1981;40(4–5):669–76

Membrane phosphorylation in intact human erythrocytes. Reimann B, et al. **Acta Biol Med Ger** 1981;40(4–5):487–93

Balance of glucose utilization in rabbit reticulocytes. Siems W, et al. **Acta Biol Med Ger** 1981;40(4–5):703–6

Creatine in red cells: transport and erythropoietic dynamics. Syllm–Rapoport I, et al. **Acta Biol Med Ger** 1981; 40(4–5):653–9

On the molecular sieving property of the human erythrocyte membrane. Localization of some proteins within the cell. Szabolcsi G, et al. **Acta Biol Med Ger** 1981;40(4–5):471–7

Erythrocyte alterations in hemoglobin H disease. Szelényi JG, et al. **Acta Biol Med Ger** 1981;40(7–8):961–7

Functional consequences of altered blood oxygen affinity. Woodson RD. **Acta Biol Med Ger** 1981;40(4–5):733–6

Hypoxanthine nucleotides synthesis in fresh and stored human erythrocytes. Zachara B, et al. **Acta Biol Med Ger** 1981;40(4–5):683–9

Changes in serum phosphate and erythrocyte 2,3–diphosphoglycerate after missile injury of the limb. Lovén L, et al. **Acta Chir Scand [Suppl]** 1982;508:261–3

Color correction of understained and overstained leukocytes using the chromaticity coordinates of the neighboring erythrocytes to compensate for staining artifacts. Dolabdjian H, et al. **Acta Histochem [Suppl] (Jena)** 1980; 21:131–5

Uptake of metronidazole by human erythrocytes. Ludwig E, et al. **Acta Med Acad Sci Hung** 1981;38(2):163–70

Characteristics of human erythrocyte insulin binding sites. Okada Y. **Acta Med Okayama** 1981 Apr;35(2):125–35

Insulin binding to erythrocytes in diabetes mellitus. Okada Y, et al. **Acta Med Okayama** 1981 Oct;35(4):273–7

Increased insulin binding to erythrocytes in chronic liver disease. Okada Y. **Acta Med Okayama** 1981 Jun; 35(3):155–64

Effect of intravenous administration of exogenous fats on the dynamics of plasmatic and erythrocytic lipids at rest and after physical exercise. Cholewa M, et al. **Acta Med Pol** 1981;22(2):127–39

Net influx and efflux of 22Na in erythrocytes from normotensive offspring of patients with essential hypertension. Henningsen NC, et al. **Acta Med Scand** 1981; 210(1–2):85–91

Reticulocytes and insulin binding to erythrocytes. Ivarsson SA, et al. **Acta Med Scand [Suppl]** 1981;656:23–7

Erythrocyte spectrofluorometric abnormalities in myotonic dystrophy during 'in vitro' aging. Brovelli A, et al. **Acta Neurol Belg** 1982 May–Jun;82(3):117–21

Plasma and red cell folate in newborn twins and their mothers in relation to gestational age. Ek J. **Acta Obstet Gynecol Scand** 1981;60(4):379–83

Plasma and red cell folate in mothers and infants in normal pregnancies. Relation to birth weight. Ek J. **Acta Obstet Gynecol Scand** 1982;61(1):17–20

Uptake of 51Cr–chromate by human erythrocytes–a role of glutathione. Aaseth J, et al. **Acta Pharmacol Toxicol (Copenh)** 1982 Apr;50(4):310–5

Levels of metrifonate and dichlorvos in plasma and erythrocytes during treatment of schistosomiasis with Bilarcil. Nordgren I, et al. **Acta Pharmacol Toxicol (Copenh)** 1981;49 Suppl 5:79–86

Effect of extracellular potassium on the loss of potassium from human red blood cells treated with propranolol. Manninen V, et al. **Acta Physiol Scand** 1981 Mar; 111(3):361–5

Effect of membrane potential on the passive transport of Tl+ in human red blood cells. Skulskii IA, et al. **Acta Physiol Scand** 1981 Mar;111(3):343–8

Isolation and characterization of the beta–adrenergic receptor of frog erythrocytes and development of potential affinity ligands. Caron MG, et al. **Adv Cyclic Nucleotide Res** 1981; 14:127–34

Molecular pharmacology of adenylate cyclase–coupled alpha– and beta–adrenergic receptors. Lefkowitz RJ, et al. **Adv Cyclic Nucleotide Res** 1981;14:145–61

Plasma and erythrocyte cations and permeability of the erythrocyte membrane to cations in essential hypertension. Aderounmu AF, et al. **Afr J Med Med Sci** 1979 Mar–Jun; 8(1–2):45–9

Serum and red cell magnesium levels in patients with premenstrual tension. Abraham GE, et al. **Am J Clin Nutr** 1981 Nov;34(11):2364–6

Metabolism of pyridoxine and protein binding of the metabolites in human erythrocytes. Fonda ML, et al. **Am J Clin Nutr** 1982 Jun;35(6):1391–9

Inhibition of lectin–binding to saliva–treated hydroxyapatite, to buccal epithelial cells, and to erythrocytes by salivary components. Gibbons RJ, et al. **Am J Clin Nutr** 1982 Aug; 36(2):276–83

Comparative sensitivities of tocopherol levels of platelets, red blood cells and plasma for estimating vitamin E nutritional status in the rat. Lehmann J. **Am J Clin Nutr** 1981 Oct;34(10):2104–10

The effect of variations in dietary fatty acids on the fatty acid composition of erythrocyte phosphatidylcholine and phosphatidylethanolamine in human infants. Putnam JC, et al. **Am J Clin Nutr** 1982 Jul;36(1):106–14

Changes in red blood cell oxygen transport in diabetic pregnancy. Madsen H, et al. **Am J Obstet Gynecol** 1982 Jun 15;143(4):421–4

Changes in 2,3–diphosphoglycerate during pregnancy and puerperium in normal women and in beta–thalassemia heterozygous women. Tsai CH, et al. **Am J Obstet Gynecol** 1982 Mar 1;142(5):520–3

Erythrocyte permeability to lipophilic solutes changes with temperature. Garrick RA, et al. **Am J Physiol** 1982 Jan; 242(1):C74–80

Postnatal regulation of canine oxygen delivery: control of erythrocyte 2,3–DPG levels. Mueggler PA, et al. **Am J Physiol** 1982 Apr;242(4):H500–6

Production of ornithine by intact human erythrocytes. Williams JA, et al. **Am J Physiol** 1982 May;242(5):C393–7

Erythrocyte protoporphyrin in experimental chronic lead poisoning in calves. George JW, et al. **Am J Vet Res** 1981 Sep;42(9):1630–7

A method for measuring anion transfer across membranes of hemoglobin–free cells and vesicles by continuous monitoring of fluorescence. Darmon A, et al. **Anal Biochem** 1982 Jan 15;119(2):313–21

Measurement of transmembrane pH gradients in human erythrocytes using 19F NMR. Taylor JS, et al. **Anal Biochem** 1981 Jul 1;114(2):415–8

Racial differences in intact erythrocyte ion transport. Hennessy JF, et al. **Ann Clin Lab Sci** 1982 Jan–Feb; 12(1):35–41

Comment on erythrocyte phospholipid metabolism in myotonic muscular dystrophy [letter]. Grey J, et al. **Ann Neurol** 1981 Nov;10(5):494

Myotonic dystrophy: calcium–dependent phosphatidic acid synthesis in erythrocytes. Moore RB, et al. **Ann Neurol** 1981 Nov;10(5):491–3

Hormone–sensitive ion transport systems in erythrocytes as models for epithelial ion pathways. Palfrey HC, et al. **Ann NY Acad Sci** 1981;372:291–308

The antimalarial drug mefloquine binds to membrane phospholipids. Chevli R, et al. **Antimicrob Agents Chemother** 1982 Apr;21(4):581–6

Role of NADPH and the NADPH–dependent methemoglobin reductase in the hydroxylase activity of human erythrocytes. Blisard KS, et al. **Arch Biochem Biophys** 1981 Sep;210(2):762–9

Equimolar interaction between calmodulin and the Ca2+ ATPase from human erythrocyte membranes. Graf E, et al. **Arch Biochem Biophys** 1981 Aug;210(1):257–62

Enzymatic oxidation of membrane cholesterol in relation to lysis of sheep erythrocytes by corynebacterial enzymes. Linder R, et al. **Arch Biochem Biophys** 1982 Feb; 213(2):395–404

Effect of increasing the intracellular ratio of NADH to NAD+ on human erythrocyte metabolism: new estimation of the turnover through the phosphoglycerate shunt. Momsen G. **Arch Biochem Biophys** 1981 Aug;210(1):160–6

Differences in the pattern of attack of acidic, neutral, and basic phospholipase A2 of A. halys blomhofii on human erythrocyte membranes: problems in interpretation of phospholipid location. Shukla SD, et al. **Arch Biochem Biophys** 1981 Jul;209(2):668–76

Membrane alterations in cellular aging: susceptibility of phospholipids in density (age)–separated human erythrocytes to phospholipase A2. Shukla SD, et al. **Arch Biochem Biophys** 1982 Mar;214(1):335–41

Effects of ascorbate on methemoglobin reduction in intact red cells. Sullivan SG, et al. **Arch Biochem Biophys** 1982 Feb;213(2):590–4

A comparative study of the binding of aldolase and glyceraldehyde–3–phosphate dehydrogenase to the human erythrocyte membrane. Wilson JE, et al. **Arch Biochem Biophys** 1982 May;215(2):610–20

Total Na(+)– and K(+)–fluxes in erythrocytes of spontaneously and one–kidney Goldblatt hypertensive rats. Knorr A. **Arch Int Pharmacodyn Ther** 1981 Sep; 253(1):148–53

Abnormalities of erythrocyte stromal lipids in atresia of the intrahepatic bile ducts. Chapelle S, et al. **Arch Int Physiol Biochim** 1982 Apr;90(1):35–48

Erythrocyte polyamine determinations in patients with head and neck cancer. Shideler CE, et al. **Arch Otolaryngol** 1981 Dec;107(12):752–4

Antisickling agents as inhibitors of glucose transport in human erythrocytes. Lacko L, et al. **Arzneimittelforsch** 1982;32(6):684–5

Action of local anesthetics on intensity of lipid transition of phospholipids in human red cell membrane. Zimmer G, et al. **Arzneimittelforsch** 1982;32(2):152–4

The erythrocyte insulin receptor. McElduff A, et al. **Aust J Exp Biol Med Sci** 1981 Aug;59(4):439–48

A methemoglobin–dependent and plasma–stimulated experimental model of oxidative hemolysis. Benatti U, et al. **Biochem Biophys Res Commun** 1982 Jun 30; 106(4):1183–90

The binding of folyl polyglutamates by hemoglobin. Benesch R, et al. **Biochem Biophys Res Commun** 1982 Jun 30; 106(4):1359–63

Endogenous phospholipase and choline release in human erythrocytes: a study using 1H-NMR spectroscopy. Chapman BE, et al. **Biochem Biophys Res Commun** 1982 Apr 29;105(4):1280–7

Internalization of beta-adrenergic receptor binding sites: involvements of lysosomal enzymes. Chuang DM. **Biochem Biophys Res Commun** 1982 Apr 29;105(4):1466–72

Change in cytosolic calmodulin activity of density (age) separated human erythrocytes towards membrane Ca2+/Mg2+ ATPase. Ekholm JE, et al. **Biochem Biophys Res Commun** 1981 Nov 30;103(2):407–13

Lipid peroxidation in hemolysate of rabbit erythrocytes. Kobayashi Y, et al. **Biochem Biophys Res Commun** 1982 Mar 30;105(2):539–45

Intraerythrocytic plasmodial calcium metabolism. Leida MN, et al. **Biochem Biophys Res Commun** 1981 Nov 30; 103(2):402–6

Abnormal bovine erythrocyte membrane proteins and glycoproteins during and after infection with Anaplasma marginale. Nordelo MA, et al. **Biochem Biophys Res Commun** 1982 Jan 29;104(2):664–72

Interaction of human erythrocyte ghosts or liposomes with polyethylene glycol detected by fluorescence polarization. Ohno H, et al. **Biochem Biophys Res Commun** 1981 Sep 16;102(1):426–31

Influence of isoproterenol on net potassium uptake in whole pigeon erythrocytes in vitro. Peričin D, et al. **Biochem Biophys Res Commun** 1981 Nov 30;103(2):647–52

Immature red cells have ferritin receptors. Pollack S, et al. **Biochem Biophys Res Commun** 1981 Jun;100(4):1667–72

Identification of specific high affinity sites for the estradiol receptor in the erythrocyte cytoskeleton. Puca GA, et al. **Biochem Biophys Res Commun** 1981 Nov 30;103(2):682–9

The rapid intermembraneous transfer of retinoids. Rando RR, et al. **Biochem Biophys Res Commun** 1982 Jan 29; 104(2):430–6

Photoaffinity labeling of beta-adrenergic receptors: identification of the beta-receptor binding site(s) from turkey, pigeon, and frog erythrocyte. Rashidbaigi A, et al. **Biochem Biophys Res Commun** 1982 May 14; 106(1):139–48

Evidence for cytoskeletal associations of the adenylate cyclase system obtained by differential extraction of rat erythrocyte ghosts. Sahyoun NE, et al. **Biochem Biophys Res Commun** 1981 Aug 14;101(3):1003–10

Oxidative metabolism of hydralazine. Evidence for nitrogen centered radicals formation. Sinha BK, et al. **Biochem Biophys Res Commun** 1982 Apr 14;105(3):1044–51

Vanadate increases oxygen affinity and affects enzyme activities and membrane properties of erythrocytes. Vives-Corrons JL, et al. **Biochem Biophys Res Commun** 1981 Nov 16;103(1):111–7

Detection of the rat adipose cell glucose transporter with antibody against the human red cell glucose transporter. Wheeler TJ, et al. **Biochem Biophys Res Commun** 1982 Mar 15;105(1):89–95

The stimulation of purine nucleotide production by pyrroline-5-carboxylic acid in human erythrocytes. Yeh GC, et al. **Biochem Biophys Res Commun** 1981 Nov 16; 103(1):118–24

The release of N-acetyl- and N-glycolloyl-neuraminic acid from soluble complex carbohydrates and erythrocytes by bacterial, viral and mammalian sialidases. Corfield AP, et al. **Biochem J** 1981 Aug 1;197(2):293–9

Resensitization of lutropin-desensitized tumour Leydig-cell adenylate cyclase with human erythrocyte membranes. Dix CJ, et al. **Biochem J** 1982 May 15;204(2):613–6

The anion-transfer system of erythrocyte membranes. N-(7-Nitrobenzofurazan-4-yl)taurine, a fluorescent substrate-analogue of the system. Eidelman O, et al. **Biochem J** 1981 May 1;195(2):503–13

Synthesis of the erythrocyte anion-transport protein. Immunochemical study of its incorporation into the plasma membrane of erythroid cells. Foxwell BM, et al. **Biochem J** 1981 Apr 1;195(1):129–37

Rat embryonic and foetal erythrocytes. High 2,3-bisphosphoglycerate and ATP and low oxygen affinity in vitro for nucleated embryonic cells. Gilman JG. **Biochem J** 1980 Oct 15;192(1):355–9

Transfer of 1-pyrroline-5-carboxylate as oxidizing potential from hepatocytes to erythrocytes. Hagedorn CH, et al. **Biochem J** 1982 Jan 15;202(1):31–9

Hereditary spherocytosis of man. Altered binding of cytoskeletal components to the erythrocyte membrane. Hill JS, et al. **Biochem J** 1982 Feb 1;201(2):259–66

Organization of membrane lipids and proteins in human En(a-) erythrocytes that lack the major sialoglycoprotein, glycophorin A. A spin-label study. Jansson SE, et al. **Biochem J** 1981 Apr 1;195(1):123–8

Extraction and partial purification of the nucleoside-transport system from human erythrocytes based on the assay of nitrobenzylthioinosine-binding activity. Jarvis SM, et al. **Biochem J** 1981 Jan 15; 194(1):331–9

Calmodulin regulation of Ca2+ transport in human erythrocytes. Larsen FL, et al. **Biochem J** 1981 Nov 15; 200(2):185–91

Age-dependent decay of cytochrome b5 and cytochrome b5 reductase in human erythrocytes. Matsuki T, et al. **Biochem J** 1981 Jan 15;194(1):327–30

Studies of pyruvate-water isotope exchange catalysed by erythrocytes and proteins. Simpson RJ, et al. **Biochem J** 1981 Feb 1;193(2):401–6

Lipid peroxidation and haemoglobin degradation in red blood cells exposed to t-butyl hydroperoxide. Effects of the hexose monophosphate shunt as mediated by glutathione and ascorbate. Trotta RJ, et al. **Biochem J** 1982 May 15; 204(2):405–15

Amino acid transport by resealed ghosts from pigeon erythrocytes. Wheeler KP. **Biochem J** 1982 Mar 15; 202(3):613–21

Accumulation of dehydroascorbic acid in guinea pig blood. Banerjee A. **Biochem Med** 1982 Jun;27(3):392–7

Aging of the erythrocyte. XI. Membrane glycosylation. Bartosz G. **Biochem Med** 1982 Jun;27(3):398–400

The relationship between sodium transport and Na+, K+ ATPase in human erythrocytes. Cumberbatch M, et al. **Biochem Med** 1981 Aug;26(1):60–6

Erythrocyte glycolysis: stimulation by nalidixic acid. Kuchel PW, et al. **Biochem Med** 1982 Feb;27(1):95–108

A semiautomated method for the rapid determination of dopa: comparison of plasma and erythrocyte-dopa concentration in levodopa-treated patients. Prasad AL, et al. **Biochem Med** 1982 Jun;27(3):297–304

Biopterin levels in the plasma fraction of human blood during renal insufficiency [letter] Ziegler I, et al. **Biochem Med** 1982 Jun;27(3):401–4

Macromolecular interactions of [14C-ring]melphalan in blood. Ahmed AE, et al. **Biochem Pharmacol** 1982 Apr 15;31(8):1615–9

Identification and chemical characterisation of beta-adrenergic receptors in intact turkey erythrocytes. André C, et al. **Biochem Pharmacol** 1981 Oct; 30(20):2787–95

Lithium-induced changes in sodium-lithium countertransport. Ehrlich BE, et al. **Biochem Pharmacol** 1981 Sep 15;30(18):2539–43

Mapping of mammalian beta-adrenoreceptors by use of macromolecular alprenolol derivatives. A comparison with amphibian erythrocyte receptors. Kusiak JW, et al. **Biochem Pharmacol** 1982 Jun 1,31(11):2071–6

The competitive inhibition of glucose transport in human erythrocytes by compounds of different structures. Lacko L, et al. **Biochem Pharmacol** 1982 May 15;31(10):1925–9

On the interaction of diazepam with human, rat and mouse plasma proteins and erythrocytes. Lázníček M, et al. **Biochem Pharmacol** 1982 Apr 1;31(7):1455–8

Receptor binding sites for beta-adrenergic ligands on human erythrocytes. Sager G. **Biochem Pharmacol** 1982 Jan 1; 31(1):99–104

Digitalis glycoside-like biological activity (inhibition of 86Rb+ uptake by red blood cells in vitro) of certain steroids and other hormones. Schreiber V, et al. **Biochem Pharmacol** 1981 Nov 1;30(21):3001–2

Deoxyadenosine triphosphate accumulation in erythrocytes of deoxycoformycin-treated mice. Smith CM, et al. **Biochem Pharmacol** 1982 Apr 15;31(8):1545–51

Evaluation of structural interdependence of membrane-spanning and cytoplasmic domains of band 3. Appell KC, et al. **Biochemistry** 1982 Apr 27;21(9):2151–7

Selective labeling of the hydrophobic core of membranes with 3-(trifluoromethyl)-3-(m-[125I]iodophenyl)diazirine, a carbene-generating reagent. Brenner J, et al. **Biochemistry** 1981 Dec 8;20(25):7174–82

Fluorescence studies of the beta-adrenergic receptor topology. Cherksey BD, et al. **Biochemistry** 1981 Jul 21; 20(15):4278–83

Spin-label detection of hemoglobin-membrane interaction at physiological pH. Fung LW. **Biochemistry** 1981 Dec 8; 20(25):7162–6

Equilibria and kinetics of ligand binding to the human erythrocyte glucose transporter. Evidence for an alternating conformation model for transport. Gorga FR, et al. **Biochemistry** 1981 Sep 1;20(18):5108–13

Effects of octyl beta-glucoside on insulin binding to solubilized membrane receptors. Gould RJ, et al. **Biochemistry** 1981 Nov 24;20(24):6776–81

Membrane glycoprotein receptor and hole-forming properties of a cytolytic protein toxin. Howard SP, et al. **Biochemistry** 1982 Mar 30;21(7):1662–7

Partial molar volumes of some 1-alkanols in erythrocyte ghosts and lipid bilayers. Kita Y, et al. **Biochemistry** 1982 Jun 8;21(12):2840–7

Mechanism of anion exchange across the red cell membrane by band 3: interactions between stilbenedisulfonate and NAP-taurine binding sites. Macara IG, et al. **Biochemistry** 1981 Sep 29;20(20):5695–701

Interactions between transport inhibitors at the anion binding sites of the band 3 dimer. Macara IG, et al. **Biochemistry** 1981 Sep 1;20(18):5095–105

Oxidative destruction of erythrocyte ghost membranes catalyzed by the doxorubicin-iron complex. Myers CE, et al. **Biochemistry** 1982 Apr 13;21(8):1707–12

Association of globin ribonucleic acid and its precursors with the chicken erythroblast nuclear matrix. Ross DA, et al. **Biochemistry** 1982 Feb 16;21(4):764–71

Rotational mobility of an erythrocyte membrane integral protein band 3 in dimyristoylphosphatidylcholine reconstituted vesicles and effect of binding of cytoskeletal peripheral proteins. Sakaki T, et al. **Biochemistry** 1982 May 11;21(10):2366–72

Asymmetry of lipid dynamics in human erythrocyte membranes studied with permanent fluorophores. Schachter D, et al. **Biochemistry** 1982 Apr 27;21(9):2146–50

Proteoliposome interaction with human erythrocyte membranes. Functional implantation of gamma-glutamyl transpeptidase. Sikka SC, et al. **Biochemistry** 1982 May 11; 21(10):2356–66

The stereospecific D-glucose transport protein in cholate extracts of human erythrocyte membranes. Molecular sieve chromatography and estimation of molecular weight. Acevedo F, et al. **Biochim Biophys Acta** 1981 Nov 6; 648(2):254–62

Role of phospholipids in the DDT-induced efflux of potassium in human erythrocytes. Ahmad P, et al. **Biochim Biophys Acta** 1982 Jul 14;689(1):135–42

Changes in erythrocyte permeability due to palytoxin as compared to amphotericin B. Ahnert-Hilger G, et al. **Biochim Biophys Acta** 1982 Jun 14;688(2):486–94

In vitro phosphorylation of the red blood cell cytoskeleton complex by cyclic AMP-dependent protein kinase from erythrocyte membrane. Boivin P, et al. **Biochim Biophys Acta** 1981 Sep 21;647(1):1–6

Kinetic characteristics of bicarbonate-chloride exchange across the neonatal human red cell membrane. Chow EI, et al. **Biochim Biophys Acta** 1982 Feb 23;685(2):196–202

Study on the dehydrating effect of the red cell Na+/K+-pump in nystatin-treated cells with varying Na+ and water contents. Clark MR, et al. **Biochim Biophys Acta** 1981 Sep 7;646(3):422–32

Inhibition of anion transport in the red blood cell by anionic amphiphilic compounds. I. Determination of the flufenamate-binding site by proteolytic dissection of the band 3 protein. Cousin JL, et al. **Biochim Biophys Acta** 1982 May 7;687(2):147–55

Inhibition of anion transport in the red blood cell by anionic amphiphilic compounds. II. Chemical properties of the flufenamate-binding site on the band 3 protein. Cousin JL, et al. **Biochim Biophys Acta** 1982 May 7;687(2):156–64

Discrimination of three parallel pathways of lactate transport in the human erythrocyte membrane by inhibitors and kinetic properties. Deuticke B, et al. **Biochim Biophys Acta** 1982 Jan 4;684(1):96–110

Protoporphyrin-induced photodynamic effects on band 3 protein of human erythrocyte membranes. Dubbelman TM, et al. **Biochim Biophys Acta** 1981 Dec 7;649(2):310–6

Inhibition of anion transport associated with chymotryptic cleavages of red blood cell band 3 protein. DuPre AM, et al. **Biochim Biophys Acta** 1981 Sep 7;646(3):471–8

Specific inactivation of glucose metabolism from eucaryotic cells by pentalenolactone. Duszenko M, et al. **Biochim Biophys Acta** 1982 Feb 2;714(2):344–50

On the substrate specificity of the red cell calcium pump. Enyedi A, et al. **Biochim Biophys Acta** 1982 Apr 23; 687(1):109–12

Phloretinyl-3'-benzylazide: a high affinity probe for the sugar transporter in human erythrocytes. I. Hexose transport inhibition and photolabeling of mutarotase. Fannin FF, et al. **Biochim Biophys Acta** 1981 Dec 7; 649(2):189–201

Phloretinyl-3'-benzylazide: a high affinity probe for the sugar transporter in human erythrocytes. II. Irreversible transport inhibition is induced by photolysis. Fannin FF, et al. **Biochim Biophys Acta** 1982 Jan 22;684(2):228–32

L-DOPA (L-3,4-dihydroxyphenylalanine) uptake by human red blood cells. Floud A, et al. **Biochim Biophys Acta** 1981 Jul 20;645(2):165–9

Complete exchange of phosphatidylcholine from intact erythrocytes after protein crosslinking. Franck PF, et al. **Biochim Biophys Acta** 1982 Apr 23;687(1):105–8

Studies on the Ca2+ transport mechanism of human erythrocyte inside-out plasma membrane vesicles. V. Chlortetracycline fluorescence. Gimble JM, et al. **Biochim Biophys Acta** 1982 Mar 8;685(3):253–9

The effects of membrane lipid order and cholesterol on the internal and external cationic sites of the Na+-K+ pump in erythrocytes. Giraud F, et al. **Biochim Biophys Acta** 1981 Oct 2;647(2):249–58

Effects of phospholipase A2 treatment of human erythrocyte membranes on the rates of spectrin-actin dissociation. Gottlieb MH. **Biochim Biophys Acta** 1982 Mar 23; 686(1):133–6

Evidence for negative cooperativity in human erythrocyte sugar transport. Holman GD, et al. **Biochim Biophys Acta** 1981 Dec 21;649(3):503–14

Binding of plasma low density lipoproteins to erythrocytes. Hui DY, et al. **Biochim Biophys Acta** 1981 Jun 23; 664(3):513–26

Transferrin receptors and iron uptake during erythroid cell development. Iacopetta BJ, et al. **Biochim Biophys Acta** 1982 May 7;687(2):204–10

Red blood cell [14C]cholesterol exchange and plasma cholesterol esterifying activity of normal and sickle cell blood. Jain SK, et al. **Biochim Biophys Acta** 1982 May 21; 688(1):11–5

Changes in fluidity of erythrocyte membranes after storage of erythrocytes and regeneration of cellular ATP level. Jarolím P, et al. **Biochim Biophys Acta** 1982 Jun 14; 688(2):460–4

Selective changes in fatty acid composition of phosphatidylserine in rat erythrocyte membrane induced by nitrate. Kaya K, et al. **Biochim Biophys Acta** 1982 Jun 14;688(2):305–15

Specific binding sites for D-alpha-tocopherol on human erythrocytes. Kitabchi AE, et al. **Biochim Biophys Acta** 1982 Jan 22;684(2):200–6

The erythrocyte membrane in essential hypertension. Modified temperature-dependence of Li+ efflux. Levy R, et al. **Biochim Biophys Acta** 1982 Feb 23;685(2):214–8

Human erythrocyte membranes are fluid down to -5 degrees C. Maraviglia B, et al. **Biochim Biophys Acta** 1982 Mar 23;686(1):137–40

Metabolism of phosphoinositides in the rat erythrocyte membrane. A reappraisal of the effect of magnesium on the 32P incorporation into polyphosphoinositides. Marche P, et al. **Biochim Biophys Acta** 1982 Mar 12;710(3):332–40

Biphasic effect of orthophosphate on the (Na, K)-pump of human red cells. Mercer RW, et al. **Biochim Biophys Acta** 1981 Oct 20;648(1):63–70

Effects of cholesterol evulsion on susceptibility to perfringolysin O of human erythrocytes. Mitsui K, et al. **Biochim Biophys Acta** 1982 Apr 7;686(2):177–81

Studies on the mechanism of regulation of the red-cell Ca2+ pump by calmodulin and ATP. Muallem S, et al. **Biochim Biophys Acta** 1981 Sep 21;647(1):73–86

Regulation of the Ca2+-pump by calmodulin in intact cells. Muallem S, et al. **Biochim Biophys Acta** 1982 May 7; 687(2):329–32

Cholinergic stimulation of glucose transport in human erythrocytes. Nelson MJ, et al. **Biochim Biophys Acta** 1982 Mar 8;685(3):279–82

Characteristics of high-affinity [3H]adenosine binding to rat brain synaptosomes and turkey erythrocyte membranes. Newman M, et al. **Biochim Biophys Acta** 1982 Feb 23; 685(2):129–36

Fluidity of human erythrocyte membrane and effect of chlorpromazine on fluidity and phase separation of membrane. Ogiso T, et al. **Biochim Biophys Acta** 1981 Dec 7;649(2):325–35

Fluorescence polarization study on the increase of membrane fluidity of human erythrocyte ghosts induced by synthetic water-soluble polymers. Ohno H, et al. **Biochim Biophys Acta** 1981 Dec 7;649(2):221–8

A proton nuclear magnetic resonance study of the binding of methylmercury in human erythrocytes. Rabenstein DL, et al. **Biochim Biophys Acta** 1982 Feb 10;720(1):53–64

Active calcium transport in red cell ghosts resealed in dextran solutions. Romero PJ. **Biochim Biophys Acta** 1981 Dec 7; 649(2):404–18

A kinetic analysis of L-tryptophan transport in human red blood cells. Rosenberg R. **Biochim Biophys Acta** 1981 Dec 7;649(2):262–8

Vanadate inhibition of active Ca2+ transport across human red cell membranes. Rossi JP, et al. **Biochim Biophys Acta** 1981 Nov 6;648(2):145–50

Transport of neutral amino acids by human erythrocytes. Al-Saleh EA, et al. **Biochim Biophys Acta** 1982 Jan 22; 684(2):157–71

The effect of the cryoprotectants, dimethyisulfoxide and glycerol on water transport in the human red blood cell. Small WC, et al. **Biochim Biophys Acta** 1982 Feb 10; 720(1):81–6

A relationship between anion transport and a structural transition of the human erythrocyte membrane. Snow JW, et al. **Biochim Biophys Acta** 1981 Apr 6;642(2):418–28

The abnormal phosphorylation of spectrin in human hereditary spherocytosis. Thompson S, et al. **Biochim Biophys Acta** 1981 Nov 20;649(1):31–7

Lipid peroxidation and hemoglobin degradation in red blood cells exposed to t-butyl hydroperoxide. Dependence on glucose metabolism and hemoglobin status. Trotta RJ, et al. **Biochim Biophys Acta** 1981 Dec 4;678(2):230–7

Effect of sterol structure on the transfer of sterols and phospholipids from liposomes to erythrocytes in vitro. Wharton SA, et al. **Biochim Biophys Acta** 1982 Jun 11; 711(3):398–402

The transport of chloroquine across human erythrocyte membranes is mediated by a simple symmetric carrier. Yayon A, et al. **Biochim Biophys Acta** 1982 Apr 7; 686(2):197–203

Rubidium uptake into red blood cells compared with that of lithium. Alexopoulos GS, et al. **Biol Psychiatry** 1982 Apr;17(4):491–5

Li-Na counterflow in families of schizo-affective patients. Shaughnessy R, et al. **Biol Psychiatry** 1982 May;17(5):631–3

Red-cell metabolism of pyridoxine in controls and beta-Thalassaemia in Ferrara, Northern Italy. Anderson BB, et al. **Biomedicine** 1981 Oct;35(5):147–50

Aging of the erythrocyte XIII. Decrease in nitroxide reducing capacity. Bartosz G, et al. **Biomedicine** 1981 Nov; 35(6):185–7

Proton spin-lattice relaxation rates in erythrocytes adsorbed with hemagglutinating viruses. Valensin E, et al. **Biophys Chem** 1981 Dec;14(4):357–62

Deoxyadenosine metabolism in the erythrocytes of children with severe, combined immunodeficiency. Perrett D, et al. **Biosci Rep** 1981 Dec;1(12):933–44

Formation and degradation of deoxyadenosine nucleotides in inherited adenosine deaminase deficiency. Simmonds HA, et al. **Biosci Rep** 1982 May;2(5):303–14

Hydrophobic adsorption chromatography of colony-stimulating activities and erythroid-enhancing activity from the human monocyte-like cell line, GCT. Abboud CN, et al. **Blood** 1981 Dec;58(6):1148–54

Effect of modulators of erythropoiesis on the hemoglobinization of human erythroid cell cultures. Clarke BJ, et al. **Blood** 1982 Aug;60(2):346–51

Spectrin tetramer-dimer equilibrium in hereditary elliptocytosis. Coetzer T, et al. **Blood** 1982 May;59(5):900–5

Primary thrombocythemia: clonal origin of platelets, erythrocytes, and granulocytes in a GdB/GdMediterranean subject. Gaetani GF, et al. **Blood** 1982 Jan;59(1):76–9

A monoclonal antibody that detects expression of transferrin receptor in human erythroid precursor cells. Lebman D, et al. **Blood** 1982 Mar;59(3):671–8

Assessment of red cell sodium transport in essential hypertension. Mahoney JR, et al. **Blood** 1982 Feb; 59(2):439–42

Exercise-induced hemolysis in sickle cell anemia: shear sensitivity and erythrocyte dehydration. Platt OS. **Blood** 1982 May;59(5):1055–60

Abnormal erythrocyte calcium homeostasis in oxidant-induced hemolytic disease. Shalev O, et al. **Blood** 1981 Dec;58(6):1232–5

Considerations in the use of B6 vitamers in hematologic disorders: I. Red cell transport and metabolism of pyridoxal. Solomon LR. **Blood** 1982 Mar;59(3):495–501

Increased calcium permeability of cold-stored erythrocytes. Wiley JS, et al. **Blood** 1982 Jul;60(1):92–8

Liquid stored erythrocytes: agglomeration, morphology, sialic acid, and toluidine blue uptake studies. Meyerstein N, et al. **Blut** 1981 Dec;43(6):383–7

Insulin degradation in human erythrocyte. Effects of reduced glutathione on insulin degradation by membrane fractions. Bellomo G, et al. **Boll Soc Ital Biol Sper** 1981 Aug 30; 57(16):1666–72

Insulin degradation in human erythrocyte. Effects of reduced glutathione on insulin degradation by hemolysate. Bellomo G, et al. **Boll Soc Ital Biol Sper** 1981 Aug 30;57(16):1660–5

The early and late effects of digoxin treatment on the sodium transport, sodium content and Na+K+- ATPase or erythrocytes. Cumberbatch M, et al. **Br J Clin Pharmacol** 1981 Jun;11(6):565–70

Receptors specific for thyroid hormones in nuclei of mammalian erythroid cells: involvement in erythroid cell proliferation. Boussios T, et al. **Br J Haematol** 1982 May; 51(1):99–106

Haemoglobin synthesis in CFU-E-derived erythroid colonies during sheep ontogeny. Darbre PD. **Br J Haematol** 1982 Mar;50(3):473–7

Greek (A gamma) variant of hereditary persistence of fetal haemoglobin: globin gene organization and studies of expression of fetal haemoglobins in clonal erythroid cultures. Papayannopoulou T, et al. **Br J Haematol** 1982 Mar;50(3):387–99

Decreased glycosylation of band 3 and band 4.5 glycoproteins of erythrocyte membrane in congenital dyserythropoietic anaemia type II. Scartezzini P, et al. **Br J Haematol** 1982 Aug;51(4):569–76

Dependence of purine loss from human erythrocytes on external pH. Schraufstätter I, et al. **Br J Haematol** 1981 Nov;49(3):349–54

An examination of the labelling of intact human erythrocytes with 99mTc. Thompson S, et al. **Br J Haematol** 1981 Dec; 49(4):575–80

The IgG binding function of the normal red cell plasma membrane: identification of integral polypeptides that bind IgG. Victoria EJ, et al. **Br J Haematol** 1982 Jan; 50(1):101–10

The British type of non-deletion HPFH: characterization of developmental changes in vivo and erythroid growth in vitro. Wood WG, et al. **Br J Haematol** 1982 Mar; 50(3):401–14

Riboflavin deficiency in man: effects on haemoglobin and reduced glutathione in erythrocytes of different ages. Powers HJ, et al. **Br J Nutr** 1981 Sep;46(2):257–66

Blood and erythrocyte hydrogen ion concentrations in acid-base imbalance from respiratory disorders. Rizzo A, et al. **Bull Eur Physiopathol Respir** 1981;17(2):145–51

Factors defining the rate of oxygen uptake by the red blood cell. Weingarden M, et al. **Bull Math Biol** 1982;44(1):135–47

Transient effects on the initial rate of oxygenation of red blood cells. Weingarden M, et al. **Bull Math Biol** 1982; 44(1):119–34

Sugar transport regulation in avian red blood cells: role of Ca2+ in the stimulatory effects of anoxia, adrenaline, and ascorbic acid. Bihler I, et al. **Can J Physiol Pharmacol** 1982 May;60(5):615–21

The transport and accumulation of methotrexate in human erythrocytes. da Costa M, et al. **Cancer** 1981 Dec 1; 48(11):2427–32

Spin-labeled phorbol esters and their interaction with cellular membranes. Pečar S, et al. **Carcinog Compr Surv** 1982; 7:541–53

Microsome-dependent methylation of erythrocyte proteins by dimethylnitrosamine. Kim S, et al. **Carcinogenesis** 1981; 2(3):179–82

The erythrocyte anion transport protein is contranslationally inserted into microsomes. Braell WA, et al. **Cell** 1982 Jan; 28(1):23–31

The stoichiometry of the Ca2+ pump in human erythrocyte vesicles: modulation by Ca2+, Mg2+ and calmodulin. Akyempon CK, et al. **Cell Calcium** 1982 Mar;3(1):1–17

Uptake of hexavalent chromium by bovine erythrocytes and its interaction with cytoplasmic components; the role of glutathione. Kitagawa S, et al. **Chem Biol Interact** 1982 Jul 1;40(3):265–74

Detection of G6PD and pyruvate kinase deficiencies in reticulocytosis by reference to erythrocyte creatine. Brewster MA, et al. **Clin Biochem** 1981 Jun;14(3):132–4

Influence of erythrocyte iodothyronine-binding proteins on radioimmunoassay of thyroxin in dried blood spots. Sadler WA, et al. **Clin Chem** 1982 Jan;28(1):63–8

Plasma and erythrocyte membrane fatty acids in oral contraceptive users. Fehily AM, et al. **Clin Chim Acta** 1982 Mar 26;120(1):41–7

Plasma and erythrocyte lipids in hereditary spherocytosis. Johnsson R, et al. **Clin Chim Acta** 1981 Aug 10; 114(2-3):263–8

A comparative study of superoxide dismutase, catalase and lipid peroxidation in red blood cells from muscular dystrophy patients and normal controls. Matkovics B, et al. **Clin Chim Acta** 1982 Feb 5;118(2-3):289–92

[3H]Ouabain binding to human erythrocytes in protein-énergy malnutrition. Narayanareddy K, et al. **Clin Chim Acta** 1982 Jul 1;122(2):271–7

A kinetic expression for sodium-lithium countertransport in human red cells. Smith JB, et al. **Clin Chim Acta** 1982 Jul 15;122(3):337–43

A reproducible sodium-lithium countertransport assay: the outcome of changing key laboratory parameters. Smith JB, et al. **Clin Chim Acta** 1982 Jul 15;122(3):327–35

Methodological assessment of assays for red cell sodium concentration and sodium-dependent lithium efflux. Trevisan M, et al. **Clin Chim Acta** 1981 Nov 11; 116(3):319–29

Na countertransport and cotransport in human red cells: function, dysfunction, and genes in essential hypertension. Canessa M, et al. **Clin Exp Hypertens** 1981;3(4):783–95

Familial aggregation of cation transport abnormalities and essential hypertension. Cusi D, et al. **Clin Exp Hypertens** 1981;3(4):871–84

Furosemide and bumetanide-sensitive Na+ fluxes in erythrocytes from genetically hypertensive rats (SHR). De Mendonca M, et al. **Clin Exp Hypertens** 1981;3(4):885–95

Abnormal erythrocyte Na+ K+ cotransport system, a proposed genetic marker of essential hypertension. Garay RP, et al. **Clin Exp Hypertens** 1981;3(4):851–9

A genetic approach to the geography of hypertension : examination of Na+ - K+ cotransport in Ivory Coast Africans. Garay RP, et al. **Clin Exp Hypertens** 1981; 3(4):861–70

Comparison of outward and inward Na+/K+ cotransport-mediated fluxes in erythrocytes of essential hypertensive patients. Preliminary results. Ghione S, et al. **Clin Exp Hypertens** 1981;3(4):809–14

Sodium intake, blood pressure and red cell sodium efflux. Morgan T, et al. **Clin Exp Hypertens** 1981;3(4):641–53

Cation fluxes and (Na+ + K+)-activated ATPase activity in erythrocytes of patients with essential hypertension. Swarts HG, et al. **Clin Exp Hypertens** 1981;3(4):831–49

Factors affecting the sodium permeability of rat erythrocytes. Wiley JS, et al. **Clin Exp Hypertens** 1981;3(4):703–12

Racial differences in red cell cation transport and their relationship to essential hypertension. Woods KL, et al. **Clin Exp Hypertens** 1981;3(4):655–62

Dopamine metabolism in red blood cells in schizophrenia. Lewander T, et al. **Clin Genet** 1981 May;19(5):410–3

Bioluminescent assay of adenine nucleotides: rapid analysis of ATP and ADP in red cells and platelets using the LKB luminometer. Summerfield GP, et al. **Clin Lab Haematol** 1981;3(3):257–71

Erythrocyte digoxin concentration. Kawai S, et al. **Clin Pharmacol Ther** 1982 May;31(5):541–7

Red blood cell sodium and potassium after hydrochlorothiazide. Walter U. **Clin Pharmacol Ther** 1981 Sep;30(3):373–7

The relation between membrane cholesterol and phospholipid and sodium efflux in erythrocytes from healthy subjects and patients with chronic cholestasis. Jackson PA, et al. **Clin Sci** 1982 Jan;62(1):101–7

Ca2+ binding and membrane fluidity in essential and renal hypertension. Orlov SN, et al. **Clin Sci** 1982 Sep; 63(3):281–4

Erythrocyte metabolism in patients on haemodialysis and continuous ambulatory peritoneal dialysis. Summerfield GP, et al. **Clin Sci** 1982 May;62(5):479–88

Erythrocyte sodium transport in chronic renal failure. Swaminathan R, et al. **Clin Sci** 1982 May;62(5):489–94

Ki+-Nao+ countertransport in erythrocytes of patients with essential hypertension. Adragna N, et al. **Clin Sci [Suppl]** 1981 Dec;61(7):11s–12s

Increased erythrocyte lithium--sodium countertransport in essential hypertension: its relationship to family history of hypertension. Canali M, et al. **Clin Sci [Suppl]** 1981 Dec; 61(7):13s–15s

Relationship between altered Na+--K+ cotransport and Na+--Li+ countertransport in the erythrocytes of 'essential' hypertensive patients. Cusi D, et al. **Clin Sci [Suppl]** 1981 Dec;61(7):33s–36s

Effect of acute and chronic salt loading on erythrocyte 22Na efflux in males with essential hypertension. Myers JB, et al. **Clin Sci [Suppl]** 1981 Dec;61(7):37s–39s

Dietary sodium, erythrocyte sodium concentration, sodium-stimulated lithium efflux and blood pressure. Trevisan M, et al. **Clin Sci [Suppl]** 1981 Dec;61(7):29s–32s

Mechanisms for the incorporation of proteins into the plasma membrane. Sabatini D, et al. **Cold Spring Harbor Symp Quant Biol** 1982;46 (Pt 2):807–18

Mechanism of lithium-induced elevation in red blood cell choline content: an in vitro analysis. Hanin I, et al. **Commun Psychopharmacol** 1980;4(5):345-55

A mechanism for the accumulation of choline in erythrocytes during treatment with lithium. Jenden DJ, et al. **Commun Psychopharmacol** 1980;4(5):339-44

Comparative aspects of transferrin-reticulocyte interactions: membrane receptors and iron uptake. van Bockxmeer FM, et al. **Comp Biochem Physiol [A]** 1982;71(2):211-8

Surface membrane proteins and glycoproteins of red blood cells from normal and anaemic mice. Howard RJ, et al. **Comp Biochem Physiol [B]** 1982;71(4):713-21

Effects of chromatin protein fractions on transcriptional activity of chicken thrombocyte and erythrocyte chromatin. Krajewska WM, et al. **Comp Biochem Physiol [B]** 1982;71B(1):145-8

Patterns of purine nucleotides in some North Sea fish erythrocytes. Leray C. **Comp Biochem Physiol [B]** 1982; 71B(1):77-81

Energy metabolism in the erythrocytes of thoroughbred horses connected with perinatal physiological hemolysis. Medeiros LF, et al. **Comp Biochem Physiol [B]** 1982; 71(3):541-4

Freeze-thaw recovery of AC hemoglobin red cells. Cook LO, et al. **Cryobiology** 1981 Dec;18(6):547-9

Identification of the HA-2 agglutinin in the haemolymph of the ascidian Botrylloides leachii as the factor promoting adhesion of sheep erythrocytes to mouse macrophages. Coombe DR, et al. **Dev Comp Immunol** 1982 Winter; 6(1):65-73

The kinetics of red blood cell electrolyte alterations following digoxin administration. A report of two pediatric cases. Loes MW, et al. **Dev Pharmacol Ther** 1981;3(1):50-4

Erythrocyte and monocyte insulin binding in man: a comparative analysis in normal and disease states. Dons RF, et al. **Diabetes** 1981 Nov;30(11):896-902

Synthesis of glycosylated haemoglobin in vivo. Svendsen PA, et al. **Diabetologia** 1981 Dec;21(6):549-53

Effect of age and sex on insulin binding to human erythrocytes. Ohgaku S, et al. **Endocrinol Jpn** 1981 Oct; 28(5):623-30

Insulin binding of erythrocytes in hypoinsulinemic diabetics and its relationship to metabolic states. Oka Y, et al. **Endocrinol Jpn** 1981 Oct;28(5):615-22

Insulin binding to erythrocytes in diabetic patients. Okamoto M, et al. **Endocrinol Jpn** 1981 Apr;28(2):169-73

Insulin binding and degradation by human erythrocytes at physiological temperature. Gambhir KK, et al. **Endocrinology** 1981 Nov;109(5):1787-9

Effects of nitrogen dioxide on fatty acid compositions of red cell membranes, sera, and livers in rats. Kaya K, et al. **Environ Res** 1982 Feb;27(1):24-35

Studies on the specificity of the binding site of Vicia graminea anti-N lectin. Duk M, et al. **Eur J Biochem** 1982 Mar; 123(1):105-12

Binding of 21 thiol reagents to human hemoglobin in solution and in intact cells. Garel MC, et al. **Eur J Biochem** 1982 Apr;123(3):513-9

A synthetic ionophore for Ca2+: studies with model and biological systems. Gomperts BD, et al. **Eur J Biochem** 1981 Jul;117(3):559-62

Beta-adrenoceptor sites in maturing red blood cells of the rat: differing development of agonist and antagonist binding. Wiemer G, et al. **Eur J Pharmacol** 1982 Jan 22; 77(2-3):167-70

Autophagy of metabolically inert substances injected into fibroblasts in culture. Hendil KB. **Exp Cell Res** 1981 Sep; 135(1):157-66

Aging of the erythrocyte. III. Cation content. Bartosz G, et al. **Experientia** 1981 Jul 15;37(7):723-4

Aging of the erythrocyte. XIV. ATP content does decrease. Bartosz G, et al. **Experientia** 1982 May 15;38(5):575

Polyphosphoinositide metabolism in erythrocytes from spontaneously hypertensive rats. Kiselev GV, et al. **Experientia** 1981 Jul 15;37(7):734-5

Characterization of acceptor proteins of human erythrocytes for enzymatically transferred N-acetylgalactosamine. Karhi KK. **FEBS Lett** 1982 Jun 7;142(2):203-6

Inhibition of calcium-activated potassium conductance of human erythrocytes by calmodulin inhibitory drugs. Lackington I, et al. **FEBS Lett** 1981 Oct 12;133(1):103-6

1H NMR study of the binding of 2,3-diphosphoglycerate to human oxyhemoglobin A in intact red cells. Nieto JL. **FEBS Lett** 1981 Dec 21;136(1):85-8

Transferrin protein and iron uptake by isolated rat erythroblasts. Octave JN, et al. **FEBS Lett** 1982 Jan 11; 137(1):119-23

C4 binding to artificial systems. Reboul A, et al. **FEBS Lett** 1981 Oct 12;133(1):151-6

Difference in degradation modes of capped and decapped mRNAs in various eukaryotic cells. Yamaguchi K, et al. **FEBS Lett** 1982 Mar 22;139(2):197-200

Studies on porphyrin biosynthesis in erythrocytes after incubation with delta-aminolaevulinic acid in patients with acute leukemia. Arsov T, et al. **Folia Haematol (Leipz)** 1981; 108(4):567-73

Hemodialysis effect on the biosynthesis of porphyrins. Pisanetz M, et al. **Folia Med (Plovdiv)** 1981;23(3-4):56-60

Concentration of 2,3-diphosphoglycerate and adenosine triphosphate in erythrocytes following acute blood loss in the beagle. Zachara B, et al. **Haematologia (Budap)** 1981; 14(3):285-91

Binding of beta S, beta C and beta O Arab globins to the erythrocyte membrane. Ballas SK, et al. **Hemoglobin** 1981; 5(5):501-5

Evidence for increased proteolysis in intact beta thalassemia erythroid cells. Braverman AS, et al. **Hemoglobin** 1981; 5(6):549-64

Involvement of membrane galactose in the in vivo and in vitro sequestration of desialylated erythrocytes. Müller E, et al. **Hoppe Seylers Z Physiol Chem** 1981 Dec; 362(12):1615-20

Cation transport in intact erythrocytes of hyperthyroid patients: role of the NaK-ATPase pump. Michels RC, et al. **Horm Metab Res** 1981 Nov;13(11):635-8

Heat-inactivation of insulin-degrading process on erythrocyte membrane. Nakao K, et al. **Horm Metab Res** 1982 May;14(5):275

Transient effect of glucocorticoids on red blood cell insulin receptors. Pirro RDe, et al. **Horm Metab Res** 1981 Sep; 13(9):483-6

Partition of thyroid hormone among erythrocyte cytosol, erythrocyte membrane and human plasma binding sites. Yoshida K, et al. **Horm Metab Res** 1981 Jul;13(7):394-5

Quantitative investigation of nonenzymatic glucosylation of erythrocyte membrane from normal and diabetic persons. Schleicher E, et al. **Horm Metab Res [Suppl]** 1981;11:95-7

Insulin specific binding to erythrocytes of normal and hypoglycemic infants. Garagorri JM, et al. **Horm Res** 1982; 16(2):122-5

Analysis of calcium handling in erythrocyte membranes of genetically hypertensive rats. Devynck MA, et al. **Hypertension** 1981 Jul-Aug;3(4):397-403

Essential hypertension: sodium-lithium countertransport in erythrocytes from patients and from children having one hypertensive parent. Ibsen KK, et al. **Hypertension** 1982 Sep-Oct;4(5):703-9

Abnormal sodium efflux in erythrocytes of patients with essential hypertension. Walter U, et al. **Hypertension** 1982 Mar-Apr;4(2):205-10

A novel synthesis of polyacrolein microspheres and their application for cell labeling and cell separation. Margel S, et al. **Immunol Commun** 1981;10(7):567-75

Action of certain anaesthetic agents on erythrocyte calcium permeability. Dube P, et al. **Indian J Exp Biol** 1981 Feb; 19(2):143-6

Effect of the nature of technetium coordination complex on cell membrane permeability: mononuclear complex of 99mTc--penicillamine ethyl ester. Horiuchi K, et al. **Int J Appl Radiat Isot** 1981 Aug;32(8):545-51

Studies of factors regulating the ageing of human erythrocytes-IV. Influence of physiological proteinase inhibitors. Bocci V, et al. **Int J Biochem** 1981; 13(12):1257-60

Altering erythrocyte membrane composition with phospholipid exchange protein. Muczynski KA, et al. **Int J Biochem** 1981;13(8):959-62

A simplified method for the pentose phosphate pathway assay in red cells. Pescarmona GP, et al. **Int J Biochem** 1982; 14(3):243-5

Red cell modifications in cholesterol-fed rabbits. Pessina GP, et al. **Int J Biochem** 1981;13(7):805-10

Hypoxanthine transport in normal and malaria-infected erythrocytes. Ting AW, et al. **Int J Biochem** 1981; 13(8):955-8

Sodium flux and lipid spectrum in the erythrocyte membrane in essential hypertension. Preiss R, et al. **Int J Clin Pharmacol Ther Toxicol** 1982 Mar;20(3):105-12

Lateral mobility of erythrocyte membrane proteins studied by the fluorescence photobleaching recovery technique. Chang CH, et al. **J Biochem (Tokyo)** 1981 Oct; 90(4):997-1004

Cross-linking of intact erythrocyte membrane with a newly synthesized cleavable bifunctional reagent. Sato S, et al. **J Biochem (Tokyo)** 1981 Oct;90(4):1177-85

A simple and effective method for hemolysis with a hypoxanthine-xanthine oxidase system and alteration of erythrocyte phospholipid composition during the hemolysis. Taniguchi M, et al. **J Biochem (Tokyo)** 1981 Mar;89(3):795-800

Photoaffinity labeling of the beta-adrenergic receptor with azide derivatives of iodocyanopindolol. Burgermeister W, et al. **J Biol Chem** 1982 May 10;257(9):5306-11

Choleragen-stimulated release of guanyl nucleotides from turkey erythrocyte membranes. Burns DL, et al. **J Biol Chem** 1982 Jan 10;257(1):32-4

Photoaffinity labeling of the human erythrocyte D-glucose transporter. Carter-Su C, et al. **J Biol Chem** 1982 May 25;257(10):5419-25

Effects of 2,3-diphosphoglyceric acid on the human erythrocyte membrane phosphorylation system. Conway RG, et al. **J Biol Chem** 1981 Nov 25;256(22):11932-8

Direct interaction of mepacrine with erythrocyte and platelet membrane phospholipid. Dise CA, et al. **J Biol Chem** 1982 May 10;257(9):4701-4

Similarities between the transferrin receptor proteins on human reticulocytes and human placentae. Enns CA, et al. **J Biol Chem** 1981 Dec 25;256(24):12620-3

Lipid effects on the binding properties of a reconstituted insulin receptor. Gould RJ, et al. **J Biol Chem** 1982 Jan 10;257(1):477-84

Carboxymethylation of membrane proteins of irreversibly sickled erythrocytes. Green GA, et al. **J Biol Chem** 1981 Oct 25;256(20):10565-71

Lateral mobility of phospholipids in turkey erythrocytes. Implications for adenylate cyclase activation. Henis YI, et al. **J Biol Chem** 1982 Feb 10;257(3):1407-11

Structure and function of ovotransferrin. II. Iron-transferring activity of iron-binding fragments of ovotransferrin with chicken embryo red cells. Keung WM, et al. **J Biol Chem** 1982 Feb 10;257(3):1184-8

Locking of hormone in the beta-adrenergic receptor by attack on a sulfhydryl in an associated component. Korner M, et al. **J Biol Chem** 1982 Apr 10;257(7):3389-96

Hemoglobin switching in chickens. Is the switch initiated post-transcriptionally? Landes GM, et al. **J Biol Chem** 1982 Sep 25;257(18):11008-14

Transcriptional properties of chick embryonic erythroid nuclei in vitro. Landes GM, et al. **J Biol Chem** 1982 Sep 25;257(18):11002-7

Photoaffinity labeling of the beta-adrenergic receptor. Lavin TN, et al. **J Biol Chem** 1981 Nov 25;256(22):11944-50

Asymmetric metabolism of phosphatidylethanolamine in the human red cell membrane. Marinetti GV, et al. **J Biol Chem** 1982 Jan 10;257(1):245-8

Lipid translocation across the human erythrocyte membrane. Regulatory factors. Mohandas N, et al. **J Biol Chem** 1982 Jun 10;257(11):6537-43

Activation of an NAD:arginine ADP-ribosyltransferase by histone. Moss J, et al. **J Biol Chem** 1982 Feb 25; 257(4):1660-3

The aldolase-binding site of the human erythrocyte membrane is at the NH2 terminus of band 3. Murthy SN, et al. **J Biol Chem** 1981 Nov 10;256(21):11203-8

Reduced erythrocyte membrane protein methylation in sickle cell anemia. Ro JY, et al. **J Biol Chem** 1981 Oct 25; 256(20):10572-6

Steady state kinetics of erythrocyte anion exchange. Evidence for site-site interactions. Salhany JM, et al. **J Biol Chem** 1981 Nov 10;256(21):11080-5

Random distribution of the glucose transporter of human erythrocytes in reconstituted liposomes. Sase S, et al. **J Biol Chem** 1982 Sep 25;257(18):11100-5

Cross-linking of hemoglobin to the cytoplasmic surface of human erythrocyte membranes. Identification of band 3 as a site for hemoglobin binding in Cu2+-o-phenanthroline catalyzed cross-linking. Sayare M, et al. **J Biol Chem** 1981 Dec 25;256(24):13152-8

Cytochalasin B. A natural photoaffinity ligand for labeling the human erythrocyte glucose transporter. Shanahan MF. **J Biol Chem** 1982 Jul 10;257(13):7290-3

Catecholamine-induced desensitization of turkey erythrocyte adenylate cyclase. Structural alterations in the beta-adrenergic receptor revealed by photoaffinity labeling. Stadel JM, et al. **J Biol Chem** 1982 Aug 25; 257(16):9242-5

The formation of erythrocyte membrane proteins during erythropoietin-induced differentiation. Tong BD, et al. **J Biol Chem** 1981 Dec 25;256(24):12666-72

Effect of red cell membrane binding on the catalytic activity of glyceraldehyde-3-phosphate dehydrogenase. Tsai IH, et al. **J Biol Chem** 1982 Feb 10;257(3):1438-42

Vanadate-induced movements of Ca2+ and K+ in human red blood cells. Varecka L, et al. **J Biol Chem** 1982 Jul 10;257(13):7414-21

Neutrophil-mediated methemoglobin formation in the erythrocyte. The role of superoxide and hydrogen peroxide. Weiss SJ. **J Biol Chem** 1982 Mar 25; 257(6):2947-53

The molecular basis for membrane - cytoskeleton association in human erythrocytes. Bennett V. **J Cell Biochem** 1982; 18(1):49-65 (100 ref.)

Effects of divalent cations, trypsin, and phospholipases on the passive permeability to sodium of inside-out vesicles from human red cells. Colvin RA, et al. **J Cell Biochem** 1982;18(3):377-91

Erythrocyte membrane protein band 3: its biosynthesis and incorporation into membranes. Sabban E, et al. **J Cell Biol** 1981 Dec;91(3 Pt 1):637-46

Human hemoglobin switching: insights from studies of erythroid cultures. Papayannopoulou T, et al. **J Cell Physiol** 1982;Suppl 1:145-9

Insulin binding to erythrocytes from pregnant, postpartum, follicular and luteal states Dwenger A, et al. **J Clin Chem Clin Biochem** 1982 May;20(5):273-9

Bilirubin adsorption in vitro by foetal and adult human erythrocytes. Gioia IA, et al. **J Clin Chem Clin Biochem** 1981 Jun;19(6):371-4

The role of cell age in the difference in insulin binding between adult and cord erythrocytes. Polychronakos C, et al. **J Clin Endocrinol Metab** 1982 Aug;55(2):290-4

Comparison of insulin binding to cells of fed and fasted obese patients: results in erythrocytes and monocytes. Spanheimer RG, et al. **J Clin Endocrinol Metab** 1982 Jan;54(1):40-7

Increased insulin binding to erythrocytes in diabetic ketoacidosis: normalization with insulin therapy. Yasuda K, et al. **J Clin Endocrinol Metab** 1982 Sep;55(3):408-12

Characterization of human peripheral blood T lymphocytes bearing receptors for autologous erythrocytes and T lymphocytes lacking these receptors. Sakane T, et al. **J Clin Immunol** 1982 Jan;2(1):20-9

Effect of cetiedil, an in vitro antisickling agent, on erythrocyte membrane cation permeability. Berkowitz LR, et al. **J Clin Invest** 1981 Nov;68(5):1215-20

Effects of inhibition of RBC HCO3-/Cl- exchange on CO2 excretion and downstream pH disequilibrium in isolated

rat lungs. Crandall ED, et al. **J Clin Invest** 1981 Oct; 68(4):853–62

Plasmodium falciparum malaria. An amelanotic melanoma cell line bears receptors for the knob ligand on infected erythrocytes. Schmidt JA, et al. **J Clin Invest** 1982 Aug; 70(2):379–86

Regulation of hemoglobin AIc formation in human erythrocytes in vitro. Effects of physiologic factors other than glucose. Smith RJ, et al. **J Clin Invest** 1982 May; 69(5):1164–8

Antimalarial properties of bredinin. Prediction based on identification of differences in human host–parasite purine metabolism. Webster HK, et al. **J Clin Invest** 1982 Aug; 70(2):461–9

Differential effects of cholera toxin on guanine nucleotide regulation of beta-adrenergic agonist high affinity binding and adenylate cyclase activation in frog erythrocyte membranes. Stadel JM, et al. **J Cyclic Nucleotide Res** 1981; 7(6):363–74

Complement receptor (CR1) deficiency in erythrocytes from patients with systemic lupus erythematosus. Iida K, et al. **J Exp Med** 1982 May 1;155(5):1427–38

Fish erythrocytes are bicarbonate permeable: problems with determining carbonic anhydrase activity using the modified boat technique. Heming TA, et al. **J Exp Zool** 1982 Jan 10;219(1):125–8

Diffusional water permeability of human erythrocytes and their ghosts. Brahm J. **J Gen Physiol** 1982 May; 79(5):791–819

A Fickian diffusion transport process with features of transport catalysis. Doxorubicin transport in human red blood cells. Dalmark M, et al. **J Gen Physiol** 1981 Oct; 78(4):349–64

Stoichiometry of a half-turnover of band 3, the chloride transport protein of human erythrocytes. Jennings ML. **J Gen Physiol** 1982 Feb;79(2):169–85

Membrane-bound ATP fuels the Na/K pump. Studies on membrane-bound glycolytic enzymes on inside-out vesicles from human red cell membranes. Mercer RW, et al. **J Gen Physiol** 1981 Nov;78(5):547–68

Proton–sulfate co-transport: mechanism of H+ and sulfate addition to the chloride transporter of human red blood cells. Milanick MA, et al. **J Gen Physiol** 1982 Jan; 79(1):87–113

Titration of transport and modifier sites in the red cell anion transport system. Wieth JO, et al. **J Gen Physiol** 1982 Feb; 79(2):253–82

Irreversible inactivation of red cell chloride exchange with phenylglyoxal, and arginine-specific reagent. Wieth JO, et al. **J Gen Physiol** 1982 Feb;79(2):283–312

A novel hybrid sialoglycoprotein in Sta positive human erythrocytes. Anstee DJ, et al. **J Immunogenet** 1982 Feb; 9(1):51–5

Inhibition of autologous rosette formation by monoclonal antibody to the sheep erythrocyte receptor. Scheffel JW, et al. **J Immunol** 1982 Apr;128(4):1930–2

Cell sorter immunofluorescence detection of human erythrocytes labelled in suspension with antibodies specific for hemoglobin S and C. Bigbee WL, et al. **J Immunol Methods** 1981;45(2):117–27

Abnormal red cell membrane proteolytic activity in severe heterozygous beta-thalassemia. Ballas SK, et al. **J Lab Clin Med** 1982 Feb;99(2):263–74

Interaction 125I-protein A with erythrocyte-bound IgG. Gray LS, et al. **J Lab Clin Med** 1982 Mar;99(3):399–409

Hereditary plasma lecithin–cholesterol acyl transferase deficiency: a heterozygous variant with erythrocyte membrane abnormalities. Jain SK, et al. **J Lab Clin Med** 1982 Jun;99(6):816–26

Cholestatriene and ergostatetraene as in vivo and in vitro membrane and lipoprotein probes. Bergeron RJ, et al. **J Lipid Res** 1982 Mar;23(3):391–404

Effects of the plant alkaloid sanguinarine on cation transport by human red blood cells and lipid bilayer membranes. Cala PM, et al. **J Membr Biol** 1982;64(1–2):23–31

Effects of salicylate on HCO–3/Cl– exchange across the human erythrocyte membrane. Crandall ED, et al. **J Membr Biol** 1982;65(1–2):139–45

Reaction of internal forms of the choline carrier of erythrocytes with N-ethylmaleimide: evidence for a carrier conformational change on complex formation. Devés R, et al. **J Membr Biol** 1981;63(1–2):99–103

The external anion binding site of the human erythrocyte anion transporter: DNDS binding and competition with chloride. Fröhlich O. **J Membr Biol** 1982;65(1–2):111–23

Outward sodium and potassium cotransport in human red cells. Garay R, et al. **J Membr Biol** 1981;62(3):169–74

Membrane transport during erythroid differentiation. Gordon PB, et al. **J Membr Biol** 1982;64(1–2):11–21

Pressure and temperature effects on human red cell cation transport. Hall AC, et al. **J Membr Biol** 1982;68(1),47–56

General and transport properties of hypotonic and isotonic preparations of resealed erythrocyte ghosts. Jausel–Hüsken S, et al. **J Membr Biol** 1981;63(1–2):61–70

Transport of benzenesulfonic acid derivatives through the rat erythrocyte membrane. Kitagawa S, et al. **J Membr Biol** 1982;65(1–2):49–54

Properties of rat erythrocyte membrane cytoskeletal structures produced by digitonin extraction: digitonin-insoluble beta-adrenergic receptor, adenylate cyclase, and cholera toxin substrate. LeVine H 3d, et al. **J Membr Biol** 1982;64(3):225–31

Effects of temperature and pH on the water exchange through erythrocyte membranes: nuclear magnetic resonance studies. Morariu VV, et al. **J Membr Biol** 1981; 62(1–2):1–5

A simple technique of measuring high membrane permeabilities of human erythrocytes. Osberghaus U, et al. **J Membr Biol** 1982;68(1):29–35

L-Leucine transport in human red blood cells: a detailed kinetic analysis. Rosenberg R. **J Membr Biol** 1981; 62(1–2):79–93

Phosphate transport in human red blood cells: concentration dependence and pH dependence of the unidirectional phosphate flux at equilibrium conditions. Schnell KF, et al. **J Membr Biol** 1981;61(3):173–92

A method for estimating free Ca within human red blood cells, with an application to the study of their Ca-dependent K permeability. Simons TJ. **J Membr Biol** 1982;66(3):235–47

Sulfatide role in the sodium pump. Zambrano F, et al. **J Membr Biol** 1981;63(1–2):71–5

Calcium flux of erythrocytes in Duchenne muscular dystrophy. Shoji S. **J Neurol Sci** 1981 Sep;51(3):427–35

Myotonic muscular dystrophy. Calcium-dependent phosphatidate metabolism in the erythrocyte membrane. Yamaoka LH, et al. **J Neurol Sci** 1982 May;54(2):173–9

Role of magnesium in glutathione metabolism of rat erythrocytes. Hsu JM, et al. **J Nutr** 1982 Mar;112(3):488–96

Plasma free, erythrocyte free and plasma peptide amino acid exchange to calves in steady state and fasting metabolism. McCormick ME, et al. **J Nutr** 1982 Feb;112(2):276–82

Changes of alpha-tocopherol levels in red blood cells and plasma with respect to hemolysis induced by dialuric acid in vitamin E-deficient rats. Mino M, et al. **J Nutr Sci Vitaminol (Tokyo)** 1981;27(3):199–207

Phospholipid biosynthesis by Plasmodium knowlesi-infected erythrocytes: the incorporation of phosphlipid precursors and the identification of previously undetected metabolic pathways. Vial HJ, et al. **J Parasitol** 1982 Jun;68(3):379–91

The uptake of fentanyl by erythrocytes. Bower S. **J Pharm Pharmacol** 1982 Mar;34(3):181–5

The correlation between drug binding to the human erythrocyte and its hemolytic activity. Horie T, et al. **J Pharmacobiodyn** 1981 Feb;4(2):116–22

1-Anilino-8-naphthalene sulfonate binding site on human erythrocyte membrane using fluorescence lifetime and polarization. Horie T, et al. **J Pharmacobiodyn** 1982 Feb; 5(2):73–80

The role of erythrocytes in cyanide detoxification. McMillan DE, et al. **J Pharmacol Exp Ther** 1982 Apr;221(1):37–42

Effects of quinine and apamin on the calcium-dependent potassium permeability of mammalian hepatocytes and red cells. Burgess GM, et al. **J Physiol (Lond)** 1981 Aug; 317:67–90

Passive potassium transport in low potassium sheep red cells: dependence upon cell volume and chloride. Dunham PB, et al. **J Physiol (Lond)** 1981 Sep;318:511–30

Inhibition of the sodium pump by inorganic phosphate in resealed red cell ghosts. Eisner DA, et al. **J Physiol (Lond)** 1982 May;326:1–10

The interaction of potassium ions and ATP on the sodium pump of resealed red cell ghosts. Eisner DA, et al. **J Physiol (Lond)** 1981;319:403–18

Glycine transport in human erythrocytes. Ellory JC, et al. **J Physiol (Lond)** 1981 Nov;320:403–22

The magnesium dependence of sodium–pump–mediated sodium–potassium and sodium–sodium exchange in intact human red cells. Flatman PW, et al. **J Physiol (Lond)** 1981 Jun;315:421–46

The effect of the red cell membrane and a diffusion boundary layer on the rate of oxygen uptake by human erythrocytes. Huxley VH, et al. **J Physiol (Lond)** 1981 Jul;316:75–83

Erythrocyte nucleoside transport: asymmetrical binding of nitrobenzylthioinosine to nucleoside permeation sites. Jarvis SM, et al. **J Physiol (Lond)** 1982 Mar;324:31–46

Nucleoside translocation in sheep reticulocytes and fetal erythrocytes: a proposed model for the nucleoside transporter. Jarvis SM, et al. **J Physiol (Lond)** 1982 Mar; 324:47–66

Internal potassium stimulates the sodium–potassium pump by increasing cell ATP concentration. Sachs JR. **J Physiol (Lond)** 1981;319:515–28

Mechanistic implications of the potassium–potassium exchange carried out by the sodium–potassium pump. Sachs JR. **J Physiol (Lond)** 1981 Jul;316:263–77

The effect of sulfhydryl active agents on insulin binding to the erythrocyte insulin receptor. McElduff A, et al. **J Recept Res** 1981;2(1):87–95

Association between erythrocyte 2,3-diphosphoglycerate levels and reproduction capacity in Long–Evans rats. Noble NA, et al. **J Reprod Fertil** 1982 Mar;64(2):443–8

Effect of training on erythrocyte 2,3-diphosphoglycerate in two groups of women cross-country runners. Smalley KA, et al. **J Sports Med Phys Fitness** 1981 Dec;21(4):352–8

Interaction of calf uterus estradiol receptor with erythrocyte cytoskeleton. Puca GA, et al. **J Steroid Biochem** 1981 Dec; 15:307–12

An immunochemical approach for the analysis of membrane protein alterations in Ca2+-loaded human erythrocytes. Bjerrum OJ, et al. **J Supramol Struct Cell Biochem** 1981; 16(3):289–301

Member-associated changes during erythropoiesis. On the mechanism of maturation of reticulocytes to erythrocytes. Zweig SE, et al. **J Supramol Struct Cell Biochem** 1981; 17(2):163–81

Membrane bending energy in relation to bilayer couples concept of red blood cell shape transformations. Svetina S, et al. **J Theor Biol** 1982 Jan 7;94(1):13–23

Cation imbalance in erythrocytes, serum and 24-hour urine from patients with essential hypertension and adolescents with high blood pressure. Tochikubo O, et al. **Jpn Circ J** 1982 May;46(5):512–22

Effect of atherogenesis on membrane lipid constituents of rabbit erythrocytes. Begum N, et al. **Jpn Heart J** 1981 Sep; 22(5):847–51

Numerical solution of partial differential equation describing oxygenation rate of the red blood cell. Kagawa T, et al. **Jpn J Physiol** 1982;32(2):197–218

Ion permeability in the erythrocyte membrane of the dystrophic chicken measured by a fluorometric method. Watanabe K, et al. **Jpn J Physiol** 1981;31(6):963–8

Zinc concentrations in plasma and erythrocytes in digitalized patients. Zumkley H, et al. **Klin Wochenschr** 1981 Dec 15; 59(24):1345–7

Red blood cells: in vivo site for transport and inactivation of biogenic amines in man and rats. Alexander N, et al. **Life Sci** 1981 Aug 3;29(5):477–82

Malondialdehyde production by erythrocytes from alcoholic and non-alcoholic subjects. Bidder TG, et al. **Life Sci** 1982 Mar 22;30(12):1021–7

Mechanisms altered beta-adrenergic responsiveness in the hyperthyroid and hypothyroid turkey erythrocyte. Bilezikian JP, et al. **Life Sci** 1982 Feb 15–22;30(7–8):663–73

Red cell free polyamine concentrations in patients on maintenance hemodialysis. Moulinoux JP, et al. **Life Sci** 1981 Aug 31;29(9):955–62

Fluorescence probes specific for the plasma membrane of intact human erythrocytes and lymphocytes. Pettegrew JW, et al. **Life Sci** 1982 Mar 29;30(13):1101–5

Red cell ouabain binding sites, Na+K+-ATPase, and intracellular Na+ as individual characteristics. Schmalzing G, et al. **Life Sci** 1981 Jul 27;29(4):371–81

Copper(II)-catalyzed lipid peroxidation in liposomes and erythrocyte membranes. Chan PC, et al. **Lipids** 1982 May; 17(5):331–7

Exchange of phosphatidylcholine between rabbit erythrocytes and plasma in vivo. Smith NB, et al. **Lipids** 1981 Dec;16(12):937–9

Decrease of carbohydrate in membrane glycoproteins during human erythrocyte ageing in vivo. Gattegno L, et al. **Mech Ageing Dev** 1981 Jul;16(3):205–19

Studies on 5'-methylthioadenosine uptake by human erythrocytes. Zappia V, et al. **Med Biol** 1981 Dec; 59(5–6):354–8

Glucose utilization in human erythrocytes during physical exercise. Fornaini G, et al. **Med Sci Sports Exerc** 1981; 13(5):322–4

Hemoglobin AIc and red cell oxygen release capacity in relation to early retinal changes in newly discovered overt and chemical diabetics. Ditzel J, et al. **Metabolism** 1979 Apr;28(4 Suppl 1):440–7

Regulation of insulin receptors in erythroid cells. Ginsberg BH, et al. **Metabolism** 1982 Jul;31(7):728–32

Stopped-flow, rapid mixing measurements of ligand binding to hemoglobin and red cells. Olson JS. **Methods Enzymol** 1981;76:631–51

Oxygen gradients between red blood cells in the microcirculation. Homer LD, et al. **Microvasc Res** 1981 Nov;22(3):308–23

Purine metabolism by the avian malarial parasite Plasmodium lophurae. Yamada KA, et al. **Mol Biochem Parasitol** 1981 Aug;3(4):253–64

Molecular transport via the functional complement lesion. Li CK, et al. **Mol Immunol** 1980 Dec;17(12):1465–74

Proteolysis of red cell membrane proteins by immunoglobulin G preparations. Victoria EJ, et al. **Mol Immunol** 1981 Aug; 18(8):699–704

Movement of free cholesterol from lipoproteins or lipid vesicles into erythrocytes. Acceleration by ethanol in vitro. Daniels CK, et al. **Mol Pharmacol** 1982 May;21(3):694–700

Cyclic AMP receptors and cation fluxes in the turkey erythrocyte. Rudolph SA, et al. **Mol Pharmacol** 1982 Mar; 21(2):503–10

Antagonism of calmodulin by local anesthetics. Inhibition of calmodulin-stimulated calcium transport of erythrocyte inside-out membrane vesicles. Volpi M, et al. **Mol Pharmacol** 1981 Sep;20(2):363–70

Increased [32P]-phosphorylation of tryptic peptides of erythrocyte spectrin in Duchenne muscular dystrophy. Mabry ME, et al. **Muscle Nerve** 1981 Nov–Dec;4(6):489–93

Red-cell sodium–lithium countertransport and essential hypertension [letter] Aronson PS. **N Engl J Med** 1982 Jul 29;307(5):317

Erythrocyte sodium–potassium-ATPase and sodium transport in obesity. Mir MA, et al. **N Engl J Med** 1981 Nov 19;305(21):1264–8

Increased red-cell sodium–lithium countertransport in normotensive sons of hypertensive parents. Woods JW, et al. **N Engl J Med** 1982 Mar 11;306(10):593–5

Increased sodium–lithium countertransport in erythrocytes of pregnant women. Worley RJ, et al. **N Engl J Med** 1982 Aug 12;307(7):412–6

Racial differences in hypertension-associated red cell sodium permeability. Etkin NL, et al. **Nature** 1982 Jun 17; 297(5867):588–9

Physiological shear stresses enhance the Ca2+ permeability of human erythrocytes. Larsen FL, et al. **Nature** 1981 Dec 17;294(5842):667–8

Modulation of lateral mobility of band 3 in the red cell membrane by oxidative cross–linking of spectrin. Smith DK, et al. **Nature** 1982 Jun 3;297(5865):424–5

Desensitization of the beta–adrenoceptor–adenylate cyclase system of immature erythrocytes by in–vivo treatment of rats with isoprenaline. Wiemer G, et al.
Naunyn Schmiedebergs Arch Pharmacol 1981; 317(4):294–301

Effect of protease on blood group Bm erythrocytes. Tsuboyama A, et al. **Nippon Ketsueki Gakkai Zasshi** 1982 Feb;45(1):133–6

Only a small fraction of avian erythrocyte histone is involved in ongoing acetylation. Brotherton TW, et al.
Nucleic Acids Res 1981 Oct 10;9(19):5061–73

Clustering of RNA polymerase B molecules in the 5' moiety of the adult beta–globin gene of hen erythrocytes. Gariglio P, et al. **Nucleic Acids Res** 1981 Jun 11;9(11):2589–98

Release of a globin gene enriched chromatin fraction from chicken erythrocyte nuclei following DNase II digestion. Goldsmith ME. **Nucleic Acids Res** 1981 Dec 11; 9(23):6471–85

Construction of chimeric plasmids containing histone H5 cDNA from hen erythrocyte. DNA sequence of a fragment derived from the 5' region of H5 mRNA. Ruiz–Vazquez R, et al. **Nucleic Acids Res** 1982 Mar 25;10(6):2093–108

Genetic determination of coenzyme synthesis in red cells. **Nutr Rev** 1981 Sep;39(9):331–2

Erythrocyte nucleotides in children––increased blood lead and cytidine triphosphate. Angle CR, et al. **Pediatr Res** 1982 Apr;16(4 Pt 1):331–4

Increased 125I–insulin receptor binding to erythrocytes of hypoglycemic infants and children. Chrousos GP, et al. **Pediatr Res** 1981 Oct;15(10):1345–7

The effect of chlorpromazine on monosaccharide transport in fish erythrocytes. Bolis L, et al.
Pharmacol Res Commun 1982 Apr;14(4):321–6

Digitalis–like biological activity and immunoreactivity of synthetic beta 1–24 corticotropin and its natriuretic action. Schreiber V, et al. **Physiol Bohemoslov** 1982;31(1):83–5

Erythrocyte transport of middle molecular substances. Gajdoš M, et al. **Proc Eur Dial Transplant Assoc** 1981; 18:183–7

Structural and motional changes in glyceraldehyde–3–phosphate dehydrogenase upon binding to the band–3 protein of the erythrocyte membrane examined with [15N,2H]maleimide spin label and electron paramagnetic resonance. Beth AH, et al.
Proc Natl Acad Sci USA 1981 Aug;78(8):4955–9

Association of cytosol hemoglobin with the membrane in intact erythrocytes. Eisinger J, et al.
Proc Natl Acad Sci USA 1982 Jan;79(2):408–12

Possible role of ceramide in defining structure and function of membrane glycolipids. Kannagi R, et al.
Proc Natl Acad Sci USA 1982 Jun;79(11):3470–4

Reactivation of chicken erythrocyte nuclei in heterokaryons results in expression of adult chicken globin genes. Linder S, et al. **Proc Natl Acad Sci USA** 1981 Oct;78(10):6286–9

Methylation at D–aspartyl residues in erythrocytes: possible step in the repair of aged membrane proteins. McFadden PN, et al. **Proc Natl Acad Sci USA** 1982 Apr;79(8):2460–4

Molecular complexes involved in the regulation of adenylate cyclase. Sahyoun NE, et al. **Proc Natl Acad Sci USA** 1981 Oct;78(10):6158–62

Proteins antigenically related to the human erythrocyte glucose transporter in normal and Rous sarcoma virus–transformed chicken embryo fibroblasts. Salter DW, et al. **Proc Natl Acad Sci USA** 1982 Mar;79(5):1540–4

Kinetics of interaction between beta–receptors, GTP protein, and the catalytic unit of turkey erythrocyte adenylate cyclase. Tolkovsky AM, et al. **Proc Natl Acad Sci USA** 1982 Jan;79(2):213–7

Hemolytic anemia of owl monkeys: red blood cell lipid alterations. Walsh FX, et al. **Proc Soc Exp Biol Med** 1982 Feb;169(2):253–9

GOST, galactose oxidase and sialyl transferase, substrate and receptor sites in erythrocyte senescence. Aminoff D, et al. **Prog Clin Biol Res** 1981;56:269–82

Effect of divicine and isouramil on red cell metabolism in normal and G6PD–deficient (Mediterranean variant) subjects. Possible role in the genesis of favism. Arese P, et al. **Prog Clin Biol Res** 1981;55:725–46

Abnormal vesiculation and calcium transport by 'one–step' inside–out vesicles from sickle cell anemia red cells. Comparisons with transport by intact cells. Bookchin RM, et al. **Prog Clin Biol Res** 1981;55:163–82

Interactions of drugs and folate compounds at the cellular level. Branda RF, et al. **Prog Clin Biol Res** 1981;77:773–81

Replacement of red cell functions by cyclic fluorocarbon emulsions. Clark LC Jr, et al. **Prog Clin Biol Res** 198?; 55:595–608

Hematocrit and hemoglobin, ATP and DPG concentrations in Andean man: the interaction of altitude and trace metals with glycolytic and hematologic parameters in man. Clench J, et al. **Prog Clin Biol Res** 1981;55:747–66

Blood preservation 50: red cell 2,3–DPG maintenance in CPD–adenine stored blood by several mechanisms. Dawson RB, et al. **Prog Clin Biol Res** 1981;55:643–62

Erythrocyte metabolism of purines and purine nucleosides during storage and simulated physiological conditions. de Verdier CH, et al. **Prog Clin Biol Res** 1981;55:629–42

Red cell anion channel blockade: extracellular modulation of internal membrane function. Eaton JW, et al.
Prog Clin Biol Res 1981;55:409–22

Hemoglobin and the red cell membrane: increased binding of polymorphic hemoglobins and measurement of free radicals in the membrane. Friedman MJ.
Prog Clin Biol Res 1981;55:519–35

Regeneration of 2,3–bisphosphoglycerate and ATP of stored erythrocytes by phosphoenolpyruvate; a new preservative for blood storage. Hamasaki N, et al.
Prog Clin Biol Res 1981;55:577–94

Erythrocyte insulin receptors. Herzberg V, et al.
Prog Clin Biol Res 1981;55:693–707

The NADH/NADPH–methemoglobin reduction system or erythrocytes. Hultquist DE, et al. **Prog Clin Biol Res** 1981; 55:291–309

Phosphorylation and dephosphorylation as a mechanism for metabolic control within the red blood cell. Kiener PA, et al. **Prog Clin Biol Res** 1981;55:225–43

A chemically unmasked, chloride dependent K+ transport in low K+ sheep red cells: genetic and evolutionary aspects. Lauf PK. **Prog Clin Biol Res** 1981;56:13–34

Pharmacogenetic interactions in G6PD deficiency and development of an in vitro test to predict a drug's hemolytic potential. Magon A, et al.
Prog Clin Biol Res 1981;55:709–24

In vitro influences of adrenaline on erythrocyte metabolism and on oxygen affinity of hemoglobin. Mairbäurl H, et al.
Prog Clin Biol Res 1981;55:311–22

Glycolytic metabolism in malaria infected red cells. Sander BJ, et al. **Prog Clin Biol Res** 1981;55:469–90

Malignant hyperthermia (MH): porcine erythrocyte damage from oxidation and glutathione peroxidase deficiency. Schanus EG, et al. **Prog Clin Biol Res** 1981;55:323–39

Cyclic AMP metabolism in P. berghei infected murine red cells. Sheppard JR, et al. **Prog Clin Biol Res** 1981; 55:491–504

The switching from hemoglobin F to hemoglobin A formation in man: parallels between the observations in vivo and the findings in erythroid cultures. Stamatoyannopoulos G, et al. **Prog Clin Biol Res** 1981; 55:665–78

Red blood cell calmodulin and Ca2+ pump ATPase: preliminary results of a species comparison. Vincenzi FF. **Prog Clin Biol Res** 1981;55:363–83

Phloretin–sensitive lithium transport in erythrocytes of affectively ill patients: intra–individual reproductibility. Werstiuk ES, et al. **Prog Neuropsychopharmacol** 1981; 5(5–6):503–6

Red blood cell/plasma haloperidol ratios and antipsychotic efficacy [letter] Neborsky RJ, et al. **Psychiatry Res** 1982 Feb;6(1):123–4

The red blood cell/plasma lithium ratio: marker of biological heterogeneity within bipolar affective illness? Rihmer Z, et al. **Psychiatry Res** 1982 Apr;6(2):197–201

Binding of amitriptyline and nortriptyline in plasma determined from their equilibrium distributions between red cells and plasma, and between red cells and buffer solution. Burch JE, et al. **Psychopharmacology (Berlin)** 1981;75(3):262–72

Effect of gamma radiation on the transport of spin–labeled compounds across the erythrocyte membrane.
Gwoździński K, et al. **Radiat Environ Biophs** 1981; 19(4):275–85

Styrene oxidation to styrene oxide in human blood erythrocytes and lymphocytes. Belvedere G, et al.
Res Commun Chem Pathol Pharmacol 1981 Aug; 33(2):273–82

Variation in erythrocyte surface and free serum sialic acid concentrations during experimental Trypanosoma vivax infection in cattle. Esievo KA, et al. **Res Vet Sci** 1982 Jan; 32(1):1–5

Postnatal changes in erythrocyte 2,3–diphosphoglycerate in sheep and cattle. King ME, et al. **Res Vet Sci** 1981 Jul; 31(1):37–9

Characteristics of doxorubicin transport in human red blood cells. Dalmark M. **Scand J Clin Lab Invest** 1981 Nov; 41(7):633–9

Disulphide reduction in glutathione–deficient erythrocytes from a patient with pyroglutamic acidemia. Marstein S. **Scand J Clin Lab Invest** 1981 Jun;41(4):347–52

Red cell filterability and metabolic state in diabetic subjects with macro–angiopathy. Le Devehat C, et al.
Scand J Clin Lab Invest [Suppl] 1981;156:155–8

Evidence for imbalanced furosemide–sensitive Na+, K+ cotransport in hereditary stomatocytosis. Chailley B, et al.
Scand J Haematol 1981 Nov;27(5):365–73

E receptor expression of T lymphocytes in T lymphoproliferative diseases. Jønsson V, et al.
Scand J Haematol 1982 Apr;28(4):329–34

Kinetics of heat damaged autologous red blood cells. Mechanism of clearance from blood. Peters AM, et al.
Scand J Haematol 1982 Jan;28(1):5–14

Oxidized proteins in erythrocytes are rapidly degraded by the adenosine triphosphate–dependent proteolytic system. Goldberg AL, et al. **Science** 1982 Feb 26;215(4536):1107–9

Adenosine triphosphate–deficient erythrocytes of the egg–laying mammal, echidna (tachyglossus aculeatus). Kim HD, et al. **Science** 1981 Sep 25;213(4515):1517–9

The effect of abnormal hemoglobins on the membrane regulation of cell hydration. Clark MR, et al.
Tex Rep Biol Med 1980–81;40:417–29 (94 ref.)

Membrane protein and organization in normal and hemoglobinopathic red cells. Palek J.
Tex Rep Biol Med 1980–81;40:397–416 (108 ref.)

Plasma and erythrocyte levels of methotrimeprazine and two of its nonpolar metabolites in psychiatric patients. Dahl SG, et al. **Ther Drug Monit** 1982;4(1):81–7

Bicarbonate generation and red blood cell (RBC) hypocapnia during acetate hemodialysis (AcHD). Bosch J, et al.
Trans Am Soc Artif Intern Organs 1981;27:172–5

Reproducible in vitro preparation of intermediate C3d coated red blood cells. Hoffman NL, et al. **Transfusion** 1982 May–Jun;22(3):180–4

Improved red blood cell storage using optional additive systems (OAS) containing adenine, glucose and ascorbate–2–phosphate. Moore GL, et al. **Transfusion** 1981 Nov–Dec;21(6):723–31

Red blood cell membrane abnormalities during storage: correlation with in vivo survival. Schrier SL, et al.
Transfusion 1982 Jul–Aug;22(4):261–5

Differential coating of human red blood cells with C4 or C3 in a low ionic strength medium. Heier HE, et al.
Vox Sang 1981;41(4):249–54

Red cell ATP and 2,3–diphosphoglycerate concentrations as a function of dihydroxyacetone supplementation of CPD adenine. Moore GL, et al. **Vox Sang** 1981;41(1):11–7

Metabolic depletion of erythrocytes is accompanied by a decrease of sialic acid during blood bank storage: a reply. Stibenz D, et al. **Vox Sang** 1982 Feb;42(2):93–6

Complement and Ig uptake by erythrocytes in low ionic strength solutions. Szymanski IO, et al. **Vox Sang** 1981 Sep; 41(3):151–9

Disorders of the red cell glutathione metabolism in renal insufficiency. Jabłońska–Skwiecińska E, et al.
Z Med Lab Diagn 1981;22(5):272–6

Interaction of phloretin with the human red cell membrane and membrane lipids: evidence from infrared, Raman and ESR spectroscopy. Zimmer G, et al. **Z Naturforsch [C]** 1981 Jul–Aug;36(7–8):586–92

[A preliminary search on the relationship between sodium, potassium and its membrane transport in the erythrocyte and essential hypertension (author's transl)] Zhu DL.
Chung Hua Nei Ko Tsa Chih 1981 Nov;20(11):641–5 **(Chi)**

[Isolation of C–reactive protein by means of erythrocyte membranes (author's transl)] Stajner A, et al.
Cesk Epidemiol Mikrobiol Imunol 1981 Sep;30(5):281–6 (Eng. Abstr.) **(Cze)**

[A factor influencing in vitro the influx of 86Rb+ into erythrocytes as an impurity of a commercial preparation of testosterone (author's transl)] Schreiber V, et al.
Sb Lek 1981;83(11–12):305–8 (Eng. Abstr.) **(Cze)**

[The insulin receptors of the blood cells and their study in disease states in man (author's transl)] Thomopoulos P.
Ann Endocrinol (Paris) 1981 Oct–Nov;42(4–5):381–9 (Eng. Abstr.) **(Fre)**

[Intensity and anisotropy decays measurement of perylene in pigeon erythrocyte membrane. Comparison with an isotropic viscous medium (author's transl)] Salesse R, et al. **Biochimie** 1981 Nov–Dec;63(11–12):915–20 (Eng. Abstr.) **(Fre)**

[Insulin receptors and interference by medication: in vivo and in vitro studies] Canivet B, et al.
Journ Annu Diabetol Hotel Dieu 1982;:61–70 **(Fre)**

[Clinical applications of insulin receptor on red cells] De Pirro R, et al. **Journ Annu Diabetol Hotel Dieu** 1982;:35–43 **(Fre)**

[Clinical usefulness of the determination of erythrocyte insulin receptors] Grigorescu F, et al.
Journ Annu Diabetol Hotel Dieu 1982;:31–4 **(Fre)**

[Effect of nutritional factors on the binding of insulin to erythrocyte receptors] Rizkalla SW, et al.
Journ Annu Diabetol Hotel Dieu 1982;:53–60 **(Fre)**

[Erythrocyte insulin receptors technics and clinical applications] Rizkalla SW, et al.
Journ Annu Diabetol Hotel Dieu 1982;:45–52 **(Fre)**

[Erythrocyte receptors of insulin] Thomopoulos P, et al.
Journ Annu Diabetol Hotel Dieu 1982;:19–30 **(Fre)**

[The red cell: pharmacological indicator to be re–evaluated? (editorial)] Jadot G, et al. **Nouv Presse Med** 1981 Nov 14; 10(41):3369–70 **(Fre)**

[Cation exchanges in erythrocytes. Application to the study of the mechanism and prevention of diseases (author's transl)] Meyer P, et al. **Nouv Presse Med** 1982 Feb 13; 11(7):517–20 (Eng. Abstr.) **(Fre)**

[Analysis of bilirubin binding by erythrocytes. Study of kernicterus risk (author's transl)] Barthez JP, et al.
Pathol Biol (Paris) 1982 Apr;30(4):252–6 (Eng. Abstr.) **(Fre)**

[Static scintigraphy using technetium 99 labelled red blood cells] Rigalt JC, et al. **Phlebologie** 1981 Jul–Sep; 34(3):431–44 (Eng. Abstr.) **(Fre)**

[Disappearance of specific membrane components during reticulocyte maturation in sheep] Johnstone RM, et al.
Rev Can Biol Exp 1982 Mar;41(1):77–81 (Eng. Abstr.) **(Fre)**

[Relation between the density and maturity of red blood cells in the perinatal period in the rat] Lun A, et al.
Acta Biol Med Ger 1982;41(2–3):227–34 (Eng. Abstr.) **(Ger)**

[32P'incorporation into polyphosphoinositides of erythrocytes from essential hypertension] Minenko A, et

al. **Acta Biol Med Ger** 1981;40(3):341–4 (Eng. Abstr.) **(Ger)**

[Mathematical modelling of glycolysis and of adenine nucleotide metabolism of human erythrocytes. II. Simulation of adenine nucleotide breakdown following glucose depletion] Schauer M, et al. **Acta Biol Med Ger** 1981;40(12):1683–97 (Eng. Abstr.) **(Ger)**

[Mathematical modelling of glycolysis and adenine nucleotide metabolism of human erythrocytes. I. Reaction-kinetic statements, analysis of in vivo state and determination of starting conditions for in vitro experiments] Schauer M, et al. **Acta Biol Med Ger** 1981;40(12):1659–82 (Eng. Abstr.) **(Ger)**

[Oral and intramuscular ferridextran intervention in growing male calves. 1. Hematologic reactions] Bünger U, et al. **Arch Tierernahr** 1982 May;32(5–6):349–68 (Eng. Abstr.) **(Ger)**

[ATPase activity and sodium transport in erythrocytes of patients with essential hypertension (author's transl)] Walter U. **Klin Wochenschr** 1982 Jun 15;60(12):607–16 (Eng. Abstr.) **(Ger)**

[Hemolytic anemias. Changes in erythrocyte membranes as a pathogenetic principle] Engelhardt R. **Med Welt** 1981 Sep 18;32(38):1424–5 **(Ger)**

[Rheology, metabolism and oxygen transport in old and young erythrocytes in arterial occlusive disease] Goebel KM, et al. **Schweiz Med Wochenschr** 1981 Oct 10; 111(41):1538–9 (Eng. Abstr.) **(Ger)**

[The significance of transcellular transport kinetics of urea and creatinine for haemodialysis (author's transl)] Zimmermann E, et al. **Wien Klin Wochenschr** 1981 Sep 4;93(16):519–21 (Eng. Abstr.) **(Ger)**

[Transport of cytidinediphosphocholine in different biological models. III. Transport of (5 3H, Met 14C) cytidinediphosphocholine in intact human erythrocytes] Cocchiara G, et al. **Boll Soc Ital Biol Sper** 1982 Mar 15; 58(5):218–23 (Eng. Abstr.) **(Ita)**

[Molecular organization of erythrocyte membranes in Duchenne muscular dystrophy] Falcioni AM, et al. **Boll Soc Ital Biol Sper** 1981 Dec 15;57(23):2307–12 (Eng. Abstr.) **(Ita)**

[Role of insulin receptors in liver cirrhosis] Zandomeneghi R, et al. **Boll Soc Ital Biol Sper** 1981 Apr 15;57(7):737–43 (Eng. Abstr.) **(Ita)**

[Insulin receptors: the in vitro effect of oral hypoglycemic agents] Zandomeneghi R, et al. **Boll Soc Ital Biol Sper** 1981 Apr 15;57(7):730–6 (Eng. Abstr.) **(Ita)**

[In vitro role of some entero-insular hormones on peripheral insulin receptors] Zandomeneghi R, et al. **Boll Soc Ital Biol Sper** 1981 Apr 15;57(7):723–9 (Eng. Abstr.) **(Ita)**

[Changes in cation transport in the erythrocytes of normotensive young persons predisposed to essential hypertension] Cusi D, et al. **Minerva Nefrol** 1981 Jul–Sep; 28(3):283–7 (Eng. Abstr.) **(Ita)**

[Erythrocyte sodium transport in essential arterial hypertension] Montanari A, et al. **Minerva Nefrol** 1981 Apr–Jun;28(2):113–6 (Eng. Abstr.) **(Ita)**

[Metabolism of adenosine triphosphate in human erythrocyte. Synthesis of adenosine triphosphate influenced by various factors especially by glucose and inorganic phosphate (author's transl)] Nishiguchi E. **Nippon Ketsueki Gakkai Zasshi** 1981 Sep;44(5):979–91 (Eng. Abstr.) **(Jpn)**

[Pathogenesis of anemia in collagen diseases. 2. Effect of lymphocytes from rheumatoid arthritis (RA) patients on the heme synthesis of human bone marrow erythroblasts (author's transl)] Sugimoto M, et al. **Nippon Ketsueki Gakkai Zasshi** 1981 Sep;44(5):992–7 (Eng. Abstr.) **(Jpn)**

[Pathogenesis of anemia in collagen diseases (4): effect of synovial fluid lymphocytes from rheumatoid arthritis (RA) patients on heme synthesis of human bone marrow erythroblasts (author's transl)] Sugimoto M, et al. **Nippon Ketsueki Gakkai Zasshi** 1981 Nov;44(6):1102–6 (Eng. Abstr.) **(Jpn)**

[The effects of erythrocyte 2,3-diphosphoglycerate on oxygen transport in patients with chronic obstructive pulmonary disease (author's transl)] Kishi F. **Nippon Kyobu Shikkan Gakkai Zasshi** 1981 Mar; 19(3):147–54 (Eng. Abstr.) **(Jpn)**

[Biochemical aspect of erythrocyte (author's transl)] Tashima Y. **Rinsho Byori** 1981 Jan;29(1):11–4 **(Jpn)**

[Pathogenesis of anemia in collagen disease. I. Effects of erythropoietin and rheumatoid arthritis (RA) patient's sera on the heme synthesis of normal and RA patient's bone marrow erythroblasts (author's transl)] Sugimoto M, et al. **Ryumachi** 1981 May;21(3):185–91 (Eng. Abstr.) **(Jpn)**

[Comparison of the effects of drugs on K+ efflux through the membrane of human erythrocytes and on the membrane shape (author's transl)] Sato T, et al. **Yakugaku Zasshi** 1981 Dec;101(12):1129–36 (Eng. Abstr.) **(Jpn)**

[Glucosephosphate dehydrogenase activity and reduced glutathione level in the erythrocytes of children with lymphoblastic leukemia] Warchoł T, et al. **Acta Haematol Pol** 1981 Apr–Jun;12(2):85–9 (Eng. Abstr.) **(Pol)**

[Effect of sodium salt of S(4-ethylphenylcarbonylmethylene)-thiosulfuric acid on the erythrocyte metabolism] Rybczyńska M, et al. **Folia Med Cracov** 1980;22(3–4):403–10 (17 ref.) (Eng. Abstr.) **(Pol)**

[2,3-diphosphoglycerate level in the red blood cells, inorganic phosphorus in the blood serum and the acid–base equilibrium indicators in different periods of normal pregnancy] Krasomski G, et al. **Ginekol Pol** 1981 Aug; 52(8):687–92 (Eng. Abstr.) **(Pol)**

[Erythrocyte 2, 3-diphosphoglycerate level, serum inorganic phosphorus and acid–base equilibrium indicators at different stages of pregnancy complicated by anemia] Krasomski G, et al. **Ginekol Pol** 1981 Sep;52(9):769–74 (Eng. Abstr.) **(Pol)**

[Effect of 2,3-diphosphoglyceric acid concentration in erythrocytes on the course of labor, puerperium and the state of the newborn infant after normal pregnancy and pregnancy complicated by anemia] Krasomski G, et al. **Ginekol Pol** 1981 Oct;52(10):913–9 (Eng. Abstr.) **(Pol)**

[Value of determining 2,3-diphosphoglyceric acid levels in chronic lung diseases] Szymański A, et al. **Pneumonol Pol** 1981;49(10):669–73 (Eng. Abstr.) **(Pol)**

[Effect of low-molecular uremic toxins on the metabolic systems of human erythrocytes] Kopczyński Z. **Pol Tyg Lek** 1982 Mar 15;37(1):21–4 **(Pol)**

[Changes in the transport of leucine-14C across the red cell membrane in children with acute lymphoblastic leukemia (author's transl)] Stępniewski M, et al. **Przegl Lek** 1981; 38(7):547–9 (Eng. Abstr.) **(Pol)**

[Evaluation of the water–electrolyte balance (erythrocyte model) in the course of endogenous depression (author's transl)] Rybakowski J, et al. **Psychiatr Pol** 1981 May–Jun; 15(3):243–9 (Eng. Abstr.) **(Pol)**

[Metabolism of erythrocytes in fetal erythroblastosis] Jezuita J. **Rocz Akad Med Bialymstoku** 1980;25:5–40 (210 ref.) (Eng. Abstr.) **(Pol)**

[Content of intracellular ATP and structural state of proteins in the erythrocyte membrane] Slobozhanina EI, et al. **Biofizika** 1982 May–Jun;27(3):425–9 (Eng. Abstr.) **(Rus)**

[Dependence of effectiveness of the pentose pathway on ATP concentration in erythrocytes] Ataullakhanov FI, et al. **Biokhimiia** 1981 Apr;46(4):758–60 (Eng. Abstr.) **(Rus)**

[Interaction of the Embden–Meyerhof pathway and hexose monophosphate shunt in erythrocytes] Ataullakhanov FI, et al. **Biokhimiia** 1981 Apr;46(4):723–31 (Eng. Abstr.) **(Rus)**

[Changes in the erythrocyte content of neuraminic acid and enzyme activity in experimental staphylococcal infection] Zakharova NB, et al. **Biol Nauki** 1982;(1):20–3 **(Rus)**

[Effect of chemical sympathectomy on ATPase activity and peroxidation of lipids of erythrocyte membrane in rats with myocardial infarction] Chernysheva GV, et al. **Biull Eksp Biol Med** 1982 Jan;93(1):36–7 **(Rus)**

[Metabolism of erythrocyte chalone in vitro] Neustroev GV. **Biull Eksp Biol Med** 1981 Jun;91(6):743–5 (Eng. Abstr.) **(Rus)**

[Oxidative and antioxidative system of the blood in mechanisms of erythrocyte protection and damage upon invasion by Plasmodium berghei] Pomoinetskii VD, et al. **Biull Eksp Biol Med** 1981 Sep;92(9):307–9 (Eng. Abstr.) **(Rus)**

[Cross-linked polymer complex of hemoglobin that simulates the erythrocyte] Samsonov GV, et al. **Dokl Akad Nauk SSSR** 1981;260(6):1486–9 **(Rus)**

[Effect of glucose and lactic acid on the insulin-depositing function of erythrocytes] Sanduliak LI. **Fiziol Zh** 1981 Nov–Dec;27(6):822–5 **(Rus)**

[Regulatory characteristics of the metabolic systems and the stabilization of the relative concentrations of ATP and reduced glutathione in human erythrocytes] Ataullakhanov FI, et al. **Izv Akad Nauk SSSR [Biol]** 1982 May–Jun; (3):406–18 (Eng. Abstr.) **(Rus)**

[Calcium transport in the erythrocytes of rats with spontaneous hypertension: characteristics of the effect of calmodulin] Orlov SN, et al. **Kardiologiia** 1982;22(7):98–101 (Eng. Abstr.) **(Rus)**

[Erythrocyte membrane permeability of sodium in different types of chronic experimental hypertension] Orlov SN, et al. **Kardiologiia** 1981 Jul;21(7):33–6 (Eng. Abstr.) **(Rus)**

[Ca-binding capacity and the membrane structure of the erythrocytes in certain types of experimental hypertension in rats] Orlov SN, et al. **Kardiologiia** 1982 Mar;22(3):106–8 (Eng. Abstr.) **(Rus)**

[Calcium binding and the structural state of the erythrocyte membrane in hypertonic disease and symptomatic renal hypertension] Orlov SN, et al. **Kardiologiia** 1982 May; 22(5):110–3 **(Rus)**

[Iron metabolism in bone marrow erythroid cells in chronic kidney failure] Brol-Karré TA. **Klin Med (Mosk)** 1982 Jan; 60(1):45–9 (Eng. Abstr.) **(Rus)**

[Effect of space flights of varying duration on energy metabolism in human erythrocytes] Ushakov AS, et al. **Kosm Biol Aviakosm Med** 1981 Sep–Oct;15(5):23–7 **(Rus)**

[Characteristics of the structuro-functional properties and energy metabolism of erythrocytes during space flights of different duration] Ushakov AS, et al. **Kosm Biol Aviakosm Med** 1982 Jan–Feb;16(1):34–7 (Eng. Abstr.) **(Rus)**

[Study of the glycolysis of erythrocytes by the method of automatic titration of lactic acid] Nushtaev DA, et al. **Lab Delo** 1981;(12):715–7 **(Rus)**

[Activity of the pentose cycle and glucosephosphate dehydrogenase in the erythrocytes of children with potential diabetes] Ermolenko RI, et al. **Pediatriia** 1981 Sep; (9):42–3 **(Rus)**

[Phospholipids in the serum and erythrocyte membrane of children with a constitutional exogenous form of obesity] Kudriavtseva TV. **Pediatriia** 1981 Oct;(10):23–4 **(Rus)**

[Addition of metabolites and membranotropic agents to solutions for resuspension of defrosted and washed out erythrocytes] Guseva NR, et al. **Probl Gematol Pereliv Krovi** 1982 Apr;27(4):10–4 **(Rus)**

[Changes in the sodium and potassium ion content in the plasma and erythrocytes in combined radiation and thermal injuries] Khrebtovich VN. **Radiobiologiia** 1981 Nov–Dec; 21(6):922–5 (Eng. Abstr.) **(Rus)**

[Biochemical mechanisms of changes in the erythrocyte membrane in ischemic heart disease] Rodionova TP, et al. **Sov Med** 1982;(3):7–11 **(Rus)**

[Changes in the concentration of 2,3-diphosphoglycerate in erythrocytes of patients with hemolytic anemia after surgery and general anesthesia] Butrov AV. **Ter Arkh** 1981; 53(9):106–9 (Eng. Abstr.) **(Rus)**

[Functional state of erythrocytes in patients with rheumatic heart diseases and circulatory insufficiency] Serpova VI. **Ter Arkh** 1982;54(3):86–9 (Eng. Abstr.) **(Rus)**

[Peculiarities of reaction activity of the pentose phosphate pathway in different tissues] Napkhaniuk VK, et al. **Ukr Biokhim Zh** 1981 Jul–Aug;53(4):110–3 (Eng. Abstr.) **(Rus)**

[Uptake of 14C-nicotinic acid by membrane structures of rat tissue in alloxan diabetes with insulin administration] Totskil VN, et al. **Ukr Biokhim Zh** 1982 Mar–Apr; 54(2):180–4 (Eng. Abstr.) **(Rus)**

[Changes in lipid composition of erythrocyte, plasma, and mitochondrial membranes of the kidney cortex in experimental rickets] Apukhovskaia LI, et al. **Vopr Med Khim** 1982 May–Jun;28(3):105–10 **(Rus)**

[Efficiency and mechanisms of antihypoxic effect of ATP in newborn rats] Iurkov IuA, et al. **Vopr Med Khim** 1981 Mar–Apr;27(2):254–9 (Eng. Abstr.) **(Rus)**

[Neutral lipid content of the erythrocytes and blood plasma in breast tumors and following radiation therapy] Kal'nova NIu, et al. **Vopr Med Khim** 1982 Jul–Aug;28(4):71–5 (Eng. Abstr.) **(Rus)**

[Lipid peroxidation reactions in circulating erythrocytes and certain systems regulating them in ulcer patients] Kulikov VIu, et al. **Vopr Med Khim** 1981;27(4):463–5 (Eng. Abstr.) **(Rus)**

[Hexokinase and lactate dehydrogenase activity, lactic and pyruvic acid content of erythrocytes and acid–base equilibrium in stomach cancer patients after radical operations] Golub IKh, et al. **Vopr Onkol** 1981;27(9):24–7 (Eng. Abstr.) **(Rus)**

[Characteristics of 35S-lipoic acid absorption by the blood cells in breast cancer] Savvov VI, et al. **Vopr Onkol** 1982; 28(7):11–3 (Eng. Abstr.) **(Rus)**

[Effect of vitamin K on glycolytic activity of erythrocytes of rats with hypervitaminosis D] Grozina AA, et al. **Vopr Pitan** 1981 Sep–Oct;(5):23–5 (Eng. Abstr.) **(Rus)**

[Carbohydrate metabolism in patients with early variants of cerebrovascular insufficiency] Derkach VG. **Vrach Delo** 1981 Nov;(11):76–8 (Eng. Abstr.) **(Rus)**

[Polarographic determination of glutathione in erythrocytes] Stojadinović LV, et al. **Vojnosanit Pregl** 1982 May–Jun; 39(3):198–200 **(Scr)**

MICROBIOLOGY

Interaction of hemagglutinating virus of Japan with erythrocytes as studied by release of a spin probe from virus. Maeda T, et al. **Biochemistry** 1981 Sep 1; 20(18):5340–5

Alterations in membrane permeability of malaria-infected human erythrocytes are related to the growth stage of the parasite. Kutner S, et al. **Biochim Biophys Acta** 1982 Apr 23;687(1):113–7

Some properties of the human erythrocyte receptors for Neisseria gonorrhoeae. Wiseman GM, et al. **Can J Microbiol** 1981 Oct;27(10):1035–43

The nature of human erythrocyte receptors for Neisseria gonorrhoeae. Wiseman GM, et al. **Can J Microbiol** 1982 Feb;28(2):219–22

Differentiation and viral involvement in differentiation of transformed mouse and rat erythroid cells. Ostertag W, et al. **Curr Top Microbiol Immunol** 1981;94–95:143–208 (274 ref.)

Attachment of killed Mycoplasma gallisepticum cells and membranes to erythrocytes. Banai M, et al. **Infect Immun** 1981 Nov;34(2):422–7

Attachment of Mycoplasma pneumoniae to hamster tracheal organ cultures, tracheal outgrowth monolayers, human erythrocytes, and WiDr human tissue culture cells. Chandler DK, et al. **Infect Immun** 1982 Mar;35(3):937–42

Glycolipid receptors for uropathogenic Escherichia coli on human erythrocytes and uroepithelial cells. Leffler H, et al. **Infect Immun** 1981 Dec;34(3):920–9

Effect of enzymes on the attachment of influenza and encephalomyocarditis viruses to erythrocytes. Burness AT, et al. **J Gen Virol** 1981 Aug;55(Pt 2):275–88

In vitro studies of malarial parasites using resealed ghosts of human erythrocytes. Olson JA. **Prog Clin Biol Res** 1981; 55:537–48

Purine metabolism during continuous erythrocyte culture of human malaria parasites (P. falciparum). Webster HK, et al. **Prog Clin Biol Res** 1981;55:557–73

[Microbiological relationship between red blood cells and

microbes (author's transl)] Ježková Z, et al. **Cas Lek Cesk** 1982 Mar 19;121(11):332–4 (Eng. Abstr.) **(Cze)**

[Combined light and electron microscopic studies of the interactions at the intracellular interface of Aegyptianella pullorum Carpano 1928 and erythrocytes] Gothe R, et al. **Berl Munch Tierarztl Wochenschr** 1981 Jun 1;94(13):261–3 **(Ger)**

[Erythrocyte and lymphocyte interaction with streptococcal L-forms] Eshmantaite NA, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1981 Jun;(6):74–6 (Eng. Abstr.) **(Rus)**

PARASITOLOGY

Competitive inhibition by soluble erythrocyte glycoproteins of penetration by Plasmodium falciparum. Deas JE, et al. **Am J Trop Med Hyg** 1981 Nov;30(6):1164–7

Metabolism of Babesia parasites in vitro. Comparison of several zwitterion buffers for the in vitro incubation of Babesia rodhaini. Barry DN. **Aust J Exp Biol Med Sci** 1982 Apr;60(Pt 2):167–74

An automated assay of merozoite invasion of erythrocytes using highly synchronized Plasmodium falciparum cultures. Myler P, et al. **Aust J Exp Biol Med Sci** 1982 Feb;60(Pt 1):83–9

Entry of malaria parasites into resealed ghosts of human and simian erythrocytes. Dluzewski AR, et al. **Br J Haematol** 1981 Sep;49(1):97–101

Plasmodium falciparum: comparative analysis of erythrocyte stage-dependent protein antigens. Brown GV, et al. **Exp Parasitol** 1982 Apr;53(2):279–84

Plasmodium berghei: acid-insensitive phosphofructokinase in infected mouse erythrocytes. Sander BJ, et al. **Exp Parasitol** 1982 Feb;53(1):11–6

Plasmodium knowlesi: glycolytic intermediate levels of enzyme activities of infected rhesus monkey erythrocytes. Sander BJ, et al. **Exp Parasitol** 1982 Jun;53(3):355–61

Plasmodium falciparum: automated assay of erythrocyte invasion using flow cytofluorometry. Saul A, et al. **Exp Parasitol** 1982 Aug;54(1):64–71

Heterogeneity in filterability of erythrocytes from malaria (Plasmodium berghei)-infected blood. Pattanakitsakul S, et al. **Experientia** 1982 May 15;38(5):626–8

Probable macrophage origin of the lipopolysaccharide-induced cytostatic effect on intra-erythrocytic malarial parasites (Plasmodium vinckei). Rzepczyk CM. **Immunology** 1982 Jun;46(2):261–70

Adhesion of Entamoeba histolytica trophozoites to human erythrocytes. López-Revilla R, et al. **Infect Immun** 1982 Jul;37(1):281–5

Development of a solid-phase radioimmunoassay for antibody to antigens of Babesia bovis infected bovine erythrocytes. Kahl LP, et al. **Int J Parasitol** 1982 Jun; 12(2–3):103–9

Cytauxzoon-like organisms in erythrocytes of two cheetahs. Zinkl JG, et al. **J Am Vet Med Assoc** 1981 Dec 1; 179(11):1261–2

Freeze-fracture study on the erythrocyte membrane during malarial parasite invasion. Aikawa M, et al. **J Cell Biol** 1981 Oct;91(1):55–62

Inhibitory effects of erythrocyte membrane proteins on the in vitro invasion of the human malarial parasite (Plasmodium falciparum) into its host cell. Perkins M. **J Cell Biol** 1981 Sep;90(3):563–7

Involvement of malarial proteases in the interaction between the parasite and host erythrocyte in Plasmodium knowlesi infections. Banyal HS, et al. **J Parasitol** 1981 Oct; 67(5):623–6

Isolation of intracellular parasites (Plasmodium falciparum) from culture using free-flow electrophoresis: separation of the free parasites according to stages. Heidrich HG, et al. **J Parasitol** 1982 Jun;68(3):443–50

Concentration of Plasmodium falciparum-infected erythrocytes by density gradient centrifugation in Percoll. Kramer KJ, et al. **J Parasitol** 1982 Apr;68(2):336–7

Superoxide dismutase (SOD) in mouse red blood cells infected with Plasmodium berghei. Suthipark U, et al. **J Parasitol** 1982 Apr;68(2):337–9

Development of Plasmodium chabaudi in mouse red blood cells: structural properties of the host and parasite membranes. Wunderlich F, et al. **J Protozool** 1982 Feb; 29(1):60–6

Intraerythrocytic development of Plasmodium knowlesi: structure, temperature- and Ca2+-response of the host and parasite membranes. Wunderlich F, et al. **J Protozool** 1982 Feb;29(1):49–59

Interactions of Plasmodium falciparum infected erythrocytes with ligand-coated agarose beads. David PH, et al. **Mol Biochem Parasitol** 1981 Dec;4(3–4):195–204

Stage specific protein and nucleic acid synthesis during the asexual cycle of the rodent malaria Plasmodium chabaudi. Newbold CI, et al. **Mol Biochem Parasitol** 1982 Jan; 5(1):33–44

Surface proteins of schizont-infected erythrocytes and merozoites of Plasmodium falciparum. Perkins M. **Mol Biochem Parasitol** 1982 Jan;5(1):55–64

Growth of human malaria parasites in biotinylated erythrocytes. Simpson GL, et al. **Mol Biochem Parasitol** 1981 Dec 31;4(5–6):243–53

Inhibition of the in vitro growth of Plasmodium falciparum by D vitamins and vitamin D-3 derivatives. Vial HJ, et al. **Mol Biochem Parasitol** 1982 Mar;5(3):189–98

Erythrocytes deficiency in glycophorin resist invasion by the malarial parasite Plasmodium falciparum. Pasvol G, et al. **Nature** 1982 May 6;297(5861):64–6

How the malarial parasite enters the red blood cell [news] Wilson RJ. **Nature** 1982 Feb 4;295(5848):368–9

Concurrent inhibition by tunicamycin of glycosylation and parasitemia in malarial parasites (Plasmodium falciparum) cultured in human erythrocytes. Udeinya IJ, et al. **Pharmacology** 1981;23(3):165–70

Induction of crisis forms in cultured Plasmodium falciparum with human immune serum from Sudan. Jensen JB, et al. **Science** 1982 Jun 11;216(4551):1230–3

A silicone centrifugation technique for the detection of low parasitaemias of salivarian trypanosomes. Ogbunude PO, et al. **Trans R Soc Trop Med Hyg** 1982;76(3):317–8

The use of percoll gradients, elutriator rotor elution, and mithramycin staining for the isolation and identification of intraerythrocytic stages of plasmodium berghei. Rüssmann L, et al. **Z Parasitenkd** 1982;66(3):273–80

[Complex morphologic modifications observed on the surface of red blood cells parasitized by Plasmodium berghei (1)] Gorenflot A. **Buil Acad Natl Med (Paris)** 1981 Jan; 165(1):109–15 (Eng. Abstr.) **(Fre)**

PATHOLOGY

Electron spin resonance studies of erythrocyte ghost cells in Huntington's chorea. Beverstock GC, et al. **Acta Neurol Scand** 1982 May;65(5):413–23

Orseillein-aniline blue. A new stain for erythroblasts. Kass L. **Am J Clin Pathol** 1981 Sep;76(3):302–4

Erythroblastic islands in erythroleukemia. Taher A, et al. **Am J Pediatr Hematol Oncol** 1981 Summer;3(2):121–5

Effect of cell shape on extravascular hemolysis. Cosgrove P, et al. **Blood** 1982 Feb;59(2):421–7

Absence of meaningful thresholds for bioeffect studies on cell suspensions in vitro. Williams AR. **Br J Cancer [Suppl]** 1982 Mar;45(5):192–5

Characteristics of circulating erythroid colony-forming cells in normal and polycythaemic man. Mladenovic J, et al. **Br J Haematol** 1982 Jul;51(3):377–84

'Spontaneous' erythroid progenitor cells in the circulation and monosomy 7 in juvenile chronic myelogenous leukemia. Symann M, et al. **Cancer Genet Cytogenet** 1982 Jun;6(2):183–5

Evidence of altered structure of the erythrocyte membrane in spontaneously hypertensive rats. Orlov SN, et al. **Clin Sci** 1982 Jul;63(1):43–5

Impaired erythrocyte doublet formation in diabetes. McMillan DE, et al. **Diabetologia** 1981 Dec;21(6):575–8

Sex-related differences in cytogenetic effects of benzene in the bone marrow of Swiss mice. Meyne J, et al. **Environ Mutagen** 1980;2(1):43–50

In vitro transformation by avian erythroblastosis virus recruits cells of erythroid lineage with varying degree of differentiation. Therwath A, et al. **Int J Cancer** 1982 May 15;29(5):555–8

Human erythroid cell lines derived from a patient with acute erythremia. Okano H, et al. **J Cancer Res Clin Oncol** 1981; 102(1):49–55

Lesions of different functional size produced by human and guinea pig complement in sheep red cell membranes. Dalmasso AP, et al. **J Immunol** 1981 Dec;127(6):2214–8

Red cell deformability is not an independent risk factor in stroke. Pollock SS, et al. **J Neurol Neurosurg Psychiatry** 1982 Apr;45(4):369–71

Erythrocyte filterability, fragility, and membrane proteins in folic acid deficient guinea pigs. McGown EL, et al. **J Nutr** 1982 Jan;112(1):92–7

Decreased erythrocyte deformability in the anemia of bacterial meningitis. Sills RH, et al. **J Pediatr** 1982 Sep; 101(3):395–8

Blood filtrability in cerebrovascular disorders, with special reference to erythrocyte deformability and ATP content. Sakuta S. **Stroke** 1981 Nov-Dec;12(6):824–8

A study of erythrocyte deformability in sickle cell disease. Reid HL, et al. **Trop Geogr Med** 1982 Mar;34(1):43–6

[Studies on the erythrocyte deformability in hereditary spherocytosis (author's transl)] Kawasaki T, et al. **Rinsho Ketsueki** 1981 Jun;22(6):855–61 (Eng. Abstr.) **(Jpn)**

[Erythrocyte membrane abnormalities in generalized membrane disorder (author's transl)] Oshima M. **Seikagaku** 1981;53(5):318–24 (40 ref.) **(Jpn)**

[Role of morphofunctional changes in erythrocytes in the pathogenesis of 'lead' anemia] Gribova IA, et al. **Gig Tr Prof Zabol** 1982 Feb;(2):21–4 (Eng. Abstr.) **(Rus)**

[Changes in the concentration of hematopoietic stem cells, erythrocytes and leukocytes during hepatoma development and in exposure to an antitumor agent] Sadovnikova IP, et al. **Izv Akad Nauk SSSR [Biol]** 1981 Sep-Oct;(5):781–5 (Eng. Abstr.) **(Rus)**

[Characteristics of the structural state of the erythrocyte membrane in rats with spontaneous genetic hypertension] Orlov SN, et al. **Kardiologiia** 1981 Nov;21(11):108–12 (Eng. Abstr.) **(Rus)**

[Preparative separation of the erythrocytes from paroxysmal nocturnal hemoglobinuria and hypoplastic anemia patients] Kozinets GI, et al. **Lab Delo** 1981;(10):595–8 (Eng. Abstr.) **(Rus)**

[Participation of various immunohematologic reactions in the development of the body's resistance to neoplasms] Tereshchenko IP, et al. **Patol Fiziol Eksp Ter** 1982 Jan-Feb; (1):46–50 (Eng. Abstr.) **(Rus)**

[Cytometric characteristics of erythrocytes in polycythemia vera] Kotsiubinskii NN, et al. **Probl Gematol Pereliv Krovi** 1982 Mar;27(3):33–6 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

The effect of ionic strength on cell volume, cell pH and cellular buffer capacity in human red blood cells. Dalmark M. **Acta Biol Med Ger** 1981;40(6):757–63

Sialidase treatment of rat-erythrocytes: a model for cellular aging? Franco M, et al. **Acta Biol Med Ger** 1981; 40(4–5):409–12

Criteria of maturity and age of red blood cells. Gross J, et al. **Acta Biol Med Ger** 1981;40(4–5):665–8

The electric potential across the erythrocyte membrane: a mathematical model. Heinrich R, et al. **Acta Biol Med Ger** 1981;40(6):765–70

The influence of procaine and cholesterol on the temperature dependent sedimentation behaviour of individual human erythrocytes. Herrmann A, et al. **Acta Biol Med Ger** 1981; 40(6):873–6

Red cell preservation and removal system of purine derivatives. Sasakawa S, et al. **Acta Biol Med Ger** 1981; 40(4–5):727–31

The two-step preservation of red blood cells. A contribution to improve their viability and therapeutic efficiency. Strauss D. **Acta Biol Med Ger** 1981;40(4–5):721–5

Disproportional loss of membrane constituents in the course of erythrocyte aging. Trautsch C, et al. **Acta Biol Med Ger** 1981;40(6):743–6

Separation and characterization of red blood cells from newborns and infants during the first trimenon of life using a dextran density gradient: mean cellular volume and mean cellular haemoglobin concentration. Graucl EL, et al. **Acta Haematol (Basel)** 1982;67(2):102–8

Membrane processes in myotonic dystrophy during in vitro aging of erythrocytes. Sandrini G, et al. **Acta Neurol Scand** 1982 Jun;65(6):661–7

Foetal haemopoiesis during the hepatic period. III. Erythroid cell kinetics. Nessi AC, et al. **Acta Physiol Lat Am** 1980; 30(2):101–9

Membrane alterations in erythrocytes and cultured fibroblasts in neuromuscular diseases. **Adv Exp Med Biol** 1981; 140:187–210

Folacin and iron status and hematological findings in black and Spanish-American adolescents from urban low-income households. Bailey LB, et al. **Am J Clin Nutr** 1982 May; 35(5):1023–32

Selective breeding of chickens for erythrocytes with high and low leucine transport activity. Somes RG Jr, et al. **Am J Physiol** 1981 Nov;241(5):C233–42

Red blood cell sodium content and permeability changes in hemorrhagic shock. Illner HP, et al. **Am J Surg** 1982 Mar; 143(3):349–55 (73 ref.)

Preparation of resealed carrier erythrocytes and in vivo survival in dogs. DeLoach JR, et al. **Am J Vet Res** 1981 Apr;42(4):667–9

Glutaraldehyde-treated carrier erythrocytes for organ targeting of methotrexate in dogs. DeLoach JR, et al. **Am J Vet Res** 1981 Nov;42(11):1971–4

Evidence for restricted oligosaccharide mobility at the erythrocyte membrane surface: a fluorescence study. Low PS, et al. **Arch Biochem Biophys** 1982 Apr 1;214(2):675–80

Aspirin survival in human blood modulated by the concentration of erythrocytes. Costello PB, et al. **Arthritis Rheum** 1982 May;25(5):550–5

Terminal erythroid differentiation of yolk sac erythroid cells. A 35,000 dalton non-histone protein is selectively maintained in condensed chromatin. Lunadei M, et al. **Basic Appl Histochem** 1982;26(1):17–26

The yield shear stress of blood in branched models of the microcirculation. Effect of hematocrit and plasma macromolecules. Kiesewetter H, et al. **Bibl Haematologica** 1981;47:14–20

The components contained in polyethylene glycol of commercial grade (PEG-6,000) as cell fusogen. Honda K, et al. **Biochem Biophys Res Commun** 1981 Jul 16; 101(1):165–71

Enhancement of haemolysis and cellular arachidonic acid release by pyrrolomycins. Umezawa K, et al. **Biochem Biophys Res Commun** 1982 Mar 15;105(1):82–8

Delayed haemolytic action of palytoxin. General characteristics. Habermann E, et al. **Biochim Biophys Acta** 1981 Dec 7;649(2):481–6

Effect of extracellular Ca2+, K+ and OH- on erythrocyte membrane potential as monitored by the fluorescent probe 3,3'-dipropylthiodicarbocyanine. Pape L. **Biochim Biophys Acta** 1982 Apr 7;686(2):225–32

Changes in surface architecture during murine erythroleukemia cell differentiation as detected by lectin binding and agglutination. Sartorelli AC. **Biochim Biophys Acta** 1981 Nov 20;649(1):105–12

Magnetic heterogeneity of biological systems. Piruzyan LA, et al. **Biol Bull Acad Sci USSR** 1980 Sep-Oct;7(5):323–30

The maternal diet and its effect on the lipid composition and osmotic fragility of neonatal ovine erythrocytes. Shand JH, et al. **Biol Neonate** 1981;40(3–4):150–9

Production of single pore membranes for the measurement of red blood cell deformability. Roggenkamp HG, et al. **Biomed Tech (Berlin)** 1981 Jul-Aug;26(7–8):167–9

On the rheology of viscous drops surrounded by an elastic shell. Brunn P. **Biorheology** 1980;17(5–6):419–30
Flows of red blood cell suspensions through narrow two-dimensional channels. Chan T, et al. **Biorheology** 1982; 19(1/2):253–67
The effect of hydroxyethyl starch on the rheological properties of human erythrocyte suspensions. Corry WD, et al. **Biorheology** 1981;18(3–6):517–29
Surface interactions of leukemia and red cells passively moving in a quiescent fluid. Duszyk M, et al. **Biorheology** 1982;19(1/2):269–79
Some model experiments in hemodynamics: VI. Two-body collisions between blood cells. Goldsmith HL, et al. **Biorheology** 1981;18(3–6):531–55
Thixotropy of blood and red blood cell suspensions. McMillan DE, et al. **Biorheology** 1980;17(5–6):445–54
Shapes of red blood cells during micropipette aspiration. Pai BK. **Biorheology** 1982;19(1/2):137–41
Microhemodynamics of capillary networks. Papenfuss HD, et al. **Biorheology** 1981;18(3–6):673–92
Model studies on phase separation at a capillary orifice. Pries AR, et al. **Biorheology** 1981;18(3–6):355–67
A rheological model for studying the hematocrit dependence of red cell–red cell and red cell–protein interactions in blood. Quemada D. **Biorheology** 1981;18(3–6):501–16
The effects of vibration upon blood–viscosity and red–cell mobility: a study in vivo and in vitro. Ramcharan JE, et al. **Biorheology** 1982;19(1/2):341–52
Modifications of the erythrocyte deformability alter the effect of temperature on the relative viscosity of human blood. Rogausch H. **Biorheology** 1982;19(1/2):237–44
Influence of oxygen tensions, intracellular enzymes and hematological factors on RBC filterability. Rusch P, et al. **Biorheology** 1981;18(3–6):493–9
Rheology of thrombotic processes in flow: the interaction of erythrocytes and thrombocytes subjected to high flow forces. Schmid–Schönbein H, et al. **Biorheology** 1981; 18(3–6):415–44
Influence of membrane fluidity on erythrocyte functions. Shiga T, et al. **Biorheology** 1980;17(5–6):485–99
Rheology of blood cells as soft tissues. Skalak R, et al. **Biorheology** 1982;19(3):453–61
The influence of erythrocyte shape and rigidity on the viscosity of blood. Whitmore RL. **Biorheology** 1981; 18(3–6):557–62
Erythropoiesis in ha/ha and sph/sph mice, mutants which produce spectrin-deficient erythrocytes. Brookoff D, et al. **Blood** 1982 Mar;59(3):646–51
Genetic differences in red cell osmotic fragility: analysis in allophenic mice. Dewey MJ, et al. **Blood** 1982 May; 59(5):986–9
Geometric, osmotic, and membrane mechanical properties of density-separated human red cells. Linderkamp O, et al. **Blood** 1982 Jun;59(6):1121–7
Membrane deformability of metabolically depleted human red cells. Baker RF. **Blood Cells** 1981;7(3):551–60
Erythroid adaptation to altitude. Erslev AJ. **Blood Cells** 1981; 7(3):495–508
Anaemia in patients with solid tumours and the role of erythrocyte deformability. Mercke CE. **Br J Cancer** 1981 Sep;44(3):425–32
Erythrocyte deformability in sickle-cell crisis. Kenny MW, et al. **Br J Haematol** 1981 Sep;49(1):103–9
Mechanism of increased osmotic resistance of red cells in workers exposed to lead. Karai I, et al. **Br J Ind Med** 1982 May;39(2):153–6
Erythrocyte factors concerned in the inhibition of ALA-D by lead. Sakai T, et al. **Br J Ind Med** 1981 Aug;38(3):268–74
A quantum mechanical interaction of human erythrocytes. Rowlands S, et al. **Can J Physiol Pharmacol** 1982 Jan; 60(1):52–9
Importance of cholesterol-phospholipid interaction in determining dynamics of normal and abetalipoproteinemia red blood cell membrane. Barenholz Y, et al. **Cell Biophys** 1981 Jun;3(2):115–26
Resistance to the Brownian movement of red blood cells on flat horizontal surfaces. Sewchand LS, et al. **Cell Biophys** 1982 Mar;4(1):41–6
Antibody-enhanced phagocytosis of lamprey polymorphonuclear leucocytes against sheep erythrocytes. Fujii T. **Cell Tissue Res** 1981;219(1):41–51
Phagocytosis of erythrocytes in the subarachnoid space at spinal nerve exits. Krahn V. **Cell Tissue Res** 1982; 221(3):687–91
The effect of cytochalasin B on the enucleation of erythroid cells in vitro. Repasky EA, et al. **Cell Tissue Res** 1981; 221(1):85–91
Platelet adhesion to artificial red blood cells having different membrane compositions. Muramatsu N, et al. **Chem Pharm Bull (Tokyo)** 1982 Jan;30(1):257–65
Evidence for splenic sequestration of in vivo labeled erythrocytes [letter] Savage JP, et al. **Clin Nucl Med** 1981 Sep;6(9):427–8
The effects of adrenaline on the oxygen transport properties of Salmo gairdneri blood. Nikinmaa M. **Comp Biochem Physiol [A]** 1982;71(2):353–6
Failure of in vivo and in vitro resialosylation of VCN-desialylated erythrocytes in mammalian and non-mammalian species: evidence from agglutination studies with peanut-agglutinin. Perret G, et al. **Comp Biochem Physiol [B]** 1982;71(3):545–8
Erythrocytes of the human neonate. Stockman JA 3d, et al. **Curr Top Hematol** 1978;1:193–232 (141 ref.)
Clastogen-induced micronuclei in peripheral blood erythrocytes: the basis of an improved micronucleus test. MacGregor JT, et al. **Environ Mutagen** 1980;2(4):509–14
Mathematical analysis of 51Cr-labelled red cell survival curves in congenital haemolytic anaemias. Kasfiki AG, et al. **Eur J Nucl Med** 1982;7(4):181–3
Lateral mobility of negative charge sites at the surface of sheep erythrocytes. Marikovsky Y, et al. **Exp Cell Res** 1981 Nov;136(1):169–75
Passive shedding of erythrocyte antigens induced by membrane rigidification. Muller CP, et al. **Exp Cell Res** 1981 Nov;136(1):53–62
Enucleation eliminates a differentiation-specific surface marker from normal and leukemic murine erythroid cells. Schlegel RA, et al. **Exp Cell Res** 1982 Jun;139(2):321–8
Chicken fetal antigen (CFA) expression on the primitive erythroid maturation series. Patel NH, et al. **Exp Hematol** 1981 Sep;9(8):878–85
Deformation of transforming red cells in various pH solutions. Nagasawa T. **Experientia** 1981;37(9):977–8
Effects of sphingolipids on erythroblastic maturation in the mouse. Scaro JL, et al. **Experientia** 1982 Mar 15;38(3):401–3
An increase in Sendai virus–induced cell fusion of erythrocytes infected with Plasmodium chabaudi. Tanabe K, et al. **Experientia** 1982 Mar 15;38(3):342–4
Erythrocyte membrane abnormalities in glucose–6–phosphate dehydrogenase deficiency of the Mediterranean and A–types. Rice–Evans C, et al. **FEBS Lett** 1981 Dec 21; 136(1):148–52
A quantitative study on the recovery of rat marrow erythropoietic cells after experimental suppression of erythropoiesis by repeated doses of cyclophosphamide. Berger J. **Folia Haematol (Leipz)** 1982;109(2):255–63
Age as a factor affecting erythrocyte osmotic fragility in males. Bowdler AJ, et al. **Gerontology** 1981;27(4):224–31
Phagocytosis of sialidase–treated rat erythrocytes: evidence for a two–step mechanism. Küster JM, et al. **Hoppe Seylers Z Physiol Chem** 1981 Nov;362(11):1507–14
Glucosylated hemoglobin and reduced erythrocyte deformability in diabetes. McMillan DE, et al. **Horm Metab Res [Suppl]** 1981;11:108–12
Shear induced deformation of red cells: decreased elongation and membrane rotation in diabetes mellitus. Williamson JR, et al. **Horm Metab Res [Suppl]** 1981;11:103–4
Effect of dielectric discharge on drug treated mammalian cells. Mishra KP, et al. **Indian J Exp Biol** 1981 Jun; 19(6):520–3
Attachment of mycoplasmas to erythrocytes: a model to study mycoplasma attachment to the epithelium of the host respiratory tract. Kahane I, et al. **Isr J Med Sci** 1981 Jul; 17(7):589–92
Use of spin label and the flow–induced ESR spectral difference for studying erythrocyte deformation. Noji S, et al. **J Biochem Biophys Methods** 1981 Dec;5(5):251–8
Studies of the Ca2+ transport mechanism of human erythrocyte inside–out membrane vesicles. Evidence for the development of a positive interior membrane potential. Gimble JM, et al. **J Biol Chem** 1982 Sep 25;257(18):10781–8
Role of the reticulum in the stability and shape of the isolated human erythrocyte membrane. Lange Y, et al. **J Cell Biol** 1982 Mar;92(3):714–21
Specific rosette formation between fibroblasts and erythrocytes. Rosen SD, et al. **J Cell Sci** 1981 Oct; 51:279–94
Stability ratio of red blood cells: its dependence on temperature and its relationship to the erythrocyte sedimentation rate. Sewchand LS. **J Cell Sci** 1981 Dec; 52:341–9
Effect of parathyroid hormone on osmotic fragility of human erythrocytes. Bogin E, et al. **J Clin Invest** 1982 Apr; 69(4):1017–25
A study of the deformability of red blood cells of a teleost fish, the yellowtail (Seriola quinqueradiata), and a comparison with human erythrocytes. Hughes GM, et al. **J Exp Biol** 1982 Feb;96:209–20
Kinetics of the sodium pump in red cells of different temperature sensitivity. Ellory JC, et al. **J Gen Physiol** 1982 Jun;79(6):1115–30
Stimulation of erythroid colony formation in vitro by erythropoietin immobilized on agarose-bound lectins. Roodman GD, et al. **J Lab Clin Med** 1981 Nov; 98(5):684–90
The kinetics of anion equilibrium exchange across the red blood cell membrane as measured by means of 35S thiocyanate. Dissing S, et al. **J Membr Biol** 1981; 62(3):219–29
Echinocyte formation induced by potential changes of human red blood cells. Glaser R. **J Membr Biol** 1982;66(2):79–85
Study of maturation of membrane transport function in red blood cells by X-ray microanalysis. Lee P, et al. **J Membr Biol** 1982;67(2):103–11
Chloride permeability in human red cells: influence of membrane protein rearrangement resulting from ATP depletion and calcium accumulation. Motais R, et al. **J Membr Biol** 1981;62(3):195–206
Voltage modulation of Na+/K+ transport in human erythrocytes. Teissie J, et al. **J Physiol (Paris)** 1981 May; 77(9):1043–53
Changes in cell surface glycoproteins and carbohydrate structures during the development and differentiation of human erythroid cells. Fukuda M, et al. **J Supramol Struct Cell Biochem** 1981;17(4):313–24 (45 ref.)
Molecular properties of a galaptin and its activity in normal and leukemic erythroid tissue. Godsave SF, et al. **J Supramol Struct Cell Biochem** 1981;17(3):223–30
Relations among variations in human red cell volume, density, membrane area, hemoglobin content and cation content. Svetina S. **J Theor Biol** 1982 Mar 7;95(1):123–34
Role of protein adsorption in micropore passability of red blood cells. Kikuchi Y, et al. **Jpn J Physiol** 1981; 31(6):903–15
Deformability and osmotic fragility of phenylhydrazine–injected rat erythrocytes fractionated by Percoll density–gradients. Nagasawa T. **Jpn J Physiol** 1982; 32(2):161–70
Coil planet centrifugal and capillary tube centrifugal analysis of factors regulating erythrocyte osmotic fragility and deformability. Nagasawa T, et al. **Jpn J Physiol** 1982; 32(1):25–33
Detection of erythrocyte membrane protein alterations in hereditary spherocytosis through the use of thermal stress: a spin label study. Fung LW, et al. **Life Sci** 1981 Nov 16; 29(20):2071–9
Aging of the erythrocyte. IX. Fluorescence studies on changes in membrane properties. Bartosz G, et al. **Mech Ageing Dev** 1981 Jul;16(3):265–74
The kinetics and thermodynamics of lysis of young and old sheep red blood cells. Juckett DA, et al. **Mech Ageing Dev** 1982 Jan;18(1):33–45
Role of peroxidation in erythrocyte aging. Pfeffer SR, et al. **Mech Ageing Dev** 1982 Apr;18(4):355–67
Erythroblasts can generate immunosuppression in vivo. Macario AJ, et al. **Medicina (B Aires)** 1981;41 Suppl:83–90
Construction of composite indicator dilution reference curves without erythrocyte data for lung permeability studies. Cua WO, et al. **Microvasc Res** 1981 Sep;22(2):219–24
Experimental calibration of a two–stage prism–grating system for measuring cell velocity. Kiesewetter H, et al. **Microvasc Res** 1982 Jan;23(1):56–66
Measurement of red cell velocity with a two–slit technique and cross–correlation: use of reflected light, and either regulated dc or unregulated ac power supplies. Rosenblum WI, et al. **Microvasc Res** 1981 Sep;22(2):225–7
Filtration measurements to determine the effects of red cell rigidity and aggregation on resistance to flow. Sacks AH, et al. **Microvasc Res** 1981 Nov;22(3):331–44
A bidirectional optical (BDO) three–stage prism grating system for on–line measurement of red blood cells velocity in microvessels. Slaaf DW, et al. **Microvasc Res** 1981 Jul; 22(1):110–22
Temporal and spatial distributions of red cell velocity in capillaries of resting skeletal muscle, including estimates of red cell transit times. Tyml K, et al. **Microvasc Res** 1981 Jul;22(1):14–31
Increased adhesion of erythrocytes to endothelial cells in diabetes mellitus [letter] Sunday ME. **N Engl J Med** 1981 Nov 26;305(22):1350–1
Acanthocytosis and cholesterol enrichment decrease lipid fluidity of only the outer human erythrocyte membrane leaflet. Flamm M, et al. **Nature** 1982 Jul 15;298(5871):290–2
Measurement of changes in cytoplasmic free CA2+ in fused cell hybrids. Hallett MB, et al. **Nature** 1982 Jan 14; 295(5845):155–8
Properties of the Ca2+–activated K+ channel in one–step inside–out vesicles from human red cell membranes. Lew VL, et al. **Nature** 1982 Apr 22;296(5859):742–4
Mechanisms of dynamic flow adaptation of mammalian erythrocytes. Gaehtgens P, et al. **Naturwissenschaften** 1982 Jun;69(6):294–6
Properties of active nucleosomes as revealed by HMG 14 and 17 chromatography. Weisbrod ST. **Nucleic Acids Res** 1982 Mar 25;10(6):2017–42
Osmotic fragility of red blood cells in lead administered rabbits by the use of coil planet centrifuge. Karai I, et al. **Osaka City Med J** 1979;25(2):159–63
The effects of heavy metal ions on osmotic resistance of human red blood cells. Karai I, et al. **Osaka City Med J** 1979;25(2):153–57
Fluctuating changes in specific gravity, water content and osmotic fragility of incubated erythrocytes. Kogawa H. **Osaka City Med J** 1979;25(2):141–51
Oxygenation in anemic newborn lambs with high or low oxygen affinity red cells. Van Ameringen MR, et al. **Pediatr Res** 1981 Dec;15(12):1500–3
Calculated changes in pH and pCO2 in arterial blood plasma assuming absence of ion and water exchange between plasma and erythrocytes during their equilibration with alveolar gas. Zock JP, et al. **Pflugers Arch** 1981 Aug; 391(2):159–61
The effects of photoactivated protoporphyrin on reticulocyte membranes, intracellular activities and hemoglobin recipitation. Breitbart H, et al. **Photochem Photobiol** 1982 Mar;35(3):365–9
Investigation of protriptyline photoproducts which cause cell membrane disruption. Gasparro FP, et al. **Photochem Photobiol** 1982 Mar;35(3):351–8
Interaction of influenza virus hemagglutinin with target membrane lipids is a key step in virus–induced hemolysis and fusion at pH 5.2. Maeda T, et al. **Proc Natl Acad Sci USA** 1981 Jul;78(7):4133–7
The red cell: fifth Ann Arbor conference. Proceedings of the Fifth International Conference on Red Cell Metabolism and Function. Ann Arbor, Michigan, September

29–October 2, 1980. **Prog Clin Biol Res** 1981;55:1–803
Lectins utilize glycophorin in cytoskeletal control of human erythrocyte discocyte in equilibrium echinocyte equilibria. Anderson RA, et al. **Prog Clin Biol Res** 1981;56:207–29
Drug action hypothesis: how membrane expansion, calmodulin inhibition, and sickle cell therapy relate. Brewer GJ, et al. **Prog Clin Biol Res** 1981;55:187–211
The red cell: a primer. Eaton JW. **Prog Clin Biol Res** 1981; 56:1–4
Erythropoietin and red cell differentiation. Goldwasser E. **Prog Clin Biol Res** 1981;66 Pt A:487–94
A new method for studying the deformability of isolated erythrocyte membranes. Heath BP, et al. **Prog Clin Biol Res** 1981;56:195–203
Erythrocyte/endothelial interactions and the vasoocclusive severity of sickle cell disease. Hebbel RP, et al. **Prog Clin Biol Res** 1981;55:145–62
International symposium on filterability and red blood cell deformability. Göteborg, Sweden. 11–12–13 September 1980. **Scand J Clin Lab Invest [Suppl]** 1981;156:1–332
Red cell shapes in capillaries. Bagge U, et al. **Scand J Clin Lab Invest [Suppl]** 1981;156:59–61
Haematological and general factors influencing sieving. A general and prospective review. Boisseau MR. **Scand J Clin Lab Invest [Suppl]** 1981;156:41–7
Filterability and other methods of approaching red cell deformability. Determinants of blood viscosity and red cell deformability. Chien S. **Scand J Clin Lab Invest [Suppl]** 1981;156:7–12
Dynamics of erythrocyte motion in filtration tests and in vivo flow. Cokelet GR. **Scand J Clin Lab Invest [Suppl]** 1981; 156:77–82
Filterability in children. Delobel J, et al. **Scand J Clin Lab Invest [Suppl]** 1981;156:49–51
Biochemistry of ATP-dependent red cell membrane shape change. Fairbanks G, et al. **Scand J Clin Lab Invest [Suppl]** 1981;156:139–44
Distribution of flow and red cell flux in the microcirculation. Gaehtgens P. **Scand J Clin Lab Invest [Suppl]** 1981;156:83–7 (22 ref.)
Filterability and bank blood conservation media. Gueguen M, et al. **Scand J Clin Lab Invest [Suppl]** 1981;156:313–6
RBC filterability, oxygen saturation, ATP intracellular stock, and cerebral microcirculation. Hermann T, et al. **Scand J Clin Lab Invest [Suppl]** 1981;156:213–6
Deformability and viscoelasticity of human erythrocyte membrane. Hochmuth RM. **Scand J Clin Lab Invest [Suppl]** 1981;156:63–6
Biochemical factors influencing erythrocyte deformability and capillary entrance phenomena. La Celle PL, et al. **Scand J Clin Lab Invest [Suppl]** 1981;156:145–9
Evaluation of a simplified filtration technique for the routine measurement of erythrocyte deformability. Leblond PF, et al. **Scand J Clin Lab Invest [Suppl]** 1981;156:35–40
Morphological determinants of red cell deformability. Meiselman HJ. **Scand J Clin Lab Invest [Suppl]** 1981; 156:27–34
Alterations of spectrin assembly in the red cell membrane: functional consequences. Palek J, et al. **Scand J Clin Lab Invest [Suppl]** 1981;156:131–8
Forces between membranes approaching contact. Parsegian VA. **Scand J Clin Lab Invest [Suppl]** 1981;156:89–94 (22 ref.)
Biochemical approach. Red blood cell biomembrane structure and deformability. Rice-Evans C, et al. **Scand J Clin Lab Invest [Suppl]** 1981;156:99–110 (43 ref.)
What is red cell deformability? Schmid-Schönbein H, et al. **Scand J Clin Lab Invest [Suppl]** 1981;156:13–26
Possible roles for the membrane cytoskeleton in regulating red cell stability and deformability. Shohet SB. **Scand J Clin Lab Invest [Suppl]** 1981;156:123–30
Biophysical approach. Theoretical models of deformability in blood flow. Skalak R. **Scand J Clin Lab Invest [Suppl]** 1981;156:55–8
Deformation and orientation of red blood cells in a simple shear flow. Theoretical study and approach at small angle light scattering. Stoltz JF, et al. **Scand J Clin Lab Invest [Suppl]** 1981;156:67–75
Measurement of splenic function in humans using heat damaged autologous red blood cells. Peters AM, et al. **Scand J Haematol** 1981 Nov;27(5):374–80
The 'bolus flow' solution of the plasma between the red blood cells flowing through a capillary. Yan ZY. **Sci Sin** 1981 Dec;24(12):1636–48
Platelet adherence to collagen: effect of erythrocytes. Mant MJ, et al. **Thromb Res** 1981 May 15;22(4):513–8
The effect of RES blockade on red blood cell survival. Uchida T, et al. **Tohoku J Exp Med** 1981 Nov;135(3):247–53
Early and late events in streptolysin-O induced hemolysis. Fehrenbach FJ, et al. **Toxicon** 1982;20(1):233–8
Red cell storage for 56 days in modified DPD-adenine. An in vitro evaluation. Moore GL, et al. **Transfusion** 1981 Nov-Dec;21(6):699–701
Viability and function of red blood cell concentrates stored at 4 degrees C for 35 days in CPDA-1, CPDA-2, or CPDA-3. Valeri CR, et al. **Transfusion** 1982 May-Jun; 22(3):210–6
The red-cell deformability index: a filtration study in adult Nigerians. Reid HL. **Trop Geogr Med** 1981 Sep;33(3):205–8
Blood cell changes in asymptomatic divers. Barnard EE, et al. **Undersea Biomed Res** 1981 Dec;8(4):187–98
Jet expulsion of cellular contents from rad cells during photodynamic hemolysis. Marsden NV, et al. **Ups J Med Sci** 1981;86(1):1–8
Rheological properties of erythrocytes stored as whole blood and as red blood cell concentrates: a comparative study. Leuenberger S, et al. **Vasa** 1982;11(1):15–20
Red cell preservation in protein-poor media. III. Protection against in vitro hemolysis. Högman CF, et al. **Vox Sang** 1981 Nov-Dec;41(5-6):274–81
[The relationship of rate of red cell electrophoresis, serum conductivity and viscosity and blood lipids in coronary heart disease and hyperlipidemia (author's transl)] Shi YD, et al. **Chung Hua Hsin Hsueh Kuan Ping Tsa Chih** 1980 Dec;8(4):249–54 (Eng. Abstr.) (Chi)
[The endothelium: protective barrier or irritating thorn] Caen JP, et al. **Nouv Rev Fr Hematol** 1982;24(2):55–7 (10 ref.) (Fre)
[Effect of osmolarity and pH of the medium on the density of red blood cells of newborns and adults] Gross J, et al. **Acta Biol Med Ger** 1981;40(6):877–9 (Eng. Abstr.) (Ger)
[Photodynamic injuries of erythrocytes during illumination with blue light in patients with icterus neonatorum] Jährig D, et al. **Acta Biol Med Ger** 1981;40(6):811–9 (Eng. Abstr.) (Ger)
[Importance of the cell membrane for the sequestration of aged erythrocytes] Halbhuber KJ, et al. **Gegenbaurs Morphol Jahrb** 1981;127(5):605–9 (Eng. Abstr.) (Ger)
[The fine structure of hemal nodes in goats, with special reference to the passage of intranodal migration of erythrocytes] Kitagawa H, et al. **Jpn J Vet Res** 1979 Oct; 27(3-4):55–66 (Eng. Abstr.) (Ger)
[Methods for the determination of erythrocyte flexibility] Ernst E. **Med Lab (Stuttg)** 1981;34(6):155–8 (Ger)
[Human blood flow: dynamic fluidity or non-nucleated erythrocytes as cause for great fluidity of rapidly flowing blood] Schmid-Schönbein H. **Verh Dtsch Ges Inn Med** 1981;87:1274–89 (Ger)
[Determination of erythrocyte osmotic fragility in a dialysis chamber. II. Methodological conditions and examples of application] Halbhuber KJ, et al. **Z Med Lab Diagn** 1981; 22(6):340–4 (Eng. Abstr.) (Ger)
[Separation of erythrocytes from full-term infants into different age populations] Berti D, et al. **Boll Soc Ital Biol Sper** 1982 May 15;58(9):551–5 (Eng. Abstr.) (Ita)
[The role of erythrocyte membrane carbohydrates in the determination of its elastic properties] Bruno C, et al. **Boll Soc Ital Biol Sper** 1981 May 15;57(9):1031–6 (Eng. Abstr.) (Ita)
[The importance of N-acetylneuraminic acid and of its interaction with Ca++ in the stability of the erythrocytic membrane] Bruno C, et al. **Boll Soc Ital Biol Sper** 1981 Nov 15;57(21):2144–50 (Eng. Abstr.) (Ita)
[Aggregation and deformation of erythrocytes (author's transl)] Isogai Y. **Iyodenshi To Seitai Kogaku** 1981 Dec; 19(7):489–97 (40 ref.) (Jpn)
[Red cell rheology and membrane--application of image processing (author's transl)] Shiga T, et al. **Iyodenshi To Seitai Kogaku** 1981 Dec;19(7):554–60 (56 ref.) (Jpn)
[Membrane potential of the newt red cell (author's transl)] Fukushima M. **Nippon Ika Daigaku Zasshi** 1981 Oct; 48(5):605–11 (Eng. Abstr.) (Jpn)
[Erythrocyte function and the role of 2-3-diphosphoglycerate] Hayashi A. **Rinsho Byori** 1981 Jun;(46 Suppl):93–107 (Jpn)
[The effect of lead on intracellular water content of human red blood cells. Part 1. An experiment in vitro (author's transl)] Karai I, et al. **Sangyo Igaku** 1981 May;23(3):305–7 (Eng. Abstr.) (Jpn)
[Effect of incubation temperature in the range of 20–70 degrees on the membrane potential of human erythrocytes in vitro] Kuźnik E, et al. **Acta Haematol Pol** 1980 Oct-Nov;11(4):289–94 (Eng. Abstr.) (Pol)
[Decline in erythrocyte deformability as 1 of the factors determining the severity of patients' status] Gologorskiĭ VA, et al. **Anesteziol Reanimatol** 1982 Jan-Feb;(1):38–41 (Eng. Abstr.) (Rus)
[Electrokinetic properties of the blood] Treshchinskiĭ AI, et al. **Anesteziol Reanimatol** 1981 Jul-Aug;(4):17–21 (Rus)
[Inclusion of erythrocyte membranes into planar lipid bilayers] Babunashvili IN, et al. **Biofizika** 1982 May-Jun; 27(3):441–4 (Eng. Abstr.) (Rus)
[Magnetic susceptibility of single human erythrocytes] Kondorskiĭ EI, et al. **Biofizika** 1981 Nov-Dec;26(6):1104–6 (Eng. Abstr.) (Rus)
[Recording of surface charge changes in erythrocyte and model membranes by means of fluorescent probes] Morozova GI, et al. **Biofizika** 1982 Mar-Apr;27(2):329–31 (Eng. Abstr.) (Rus)
[Chemiluminescence of erythrocytes saturated by cholesterol in the presence of hydrogen peroxide] Sherstnev MP, et al. **Biofizika** 1982 Mar-Apr;27(2):335–6 (Eng. Abstr.) (Rus)
[Changes in the aggregational and orientational structure of blood during pulsatile flow] Levtov VA, et al. **Fiziol Zh SSSR** 1981 Sep;67(9):1336–41 (Eng. Abstr.) (Rus)
[Physiological mechanisms of hypothalamic influence on the erychron] Moiseeva OI, et al. **Fiziol Zh SSSR** 1982 Jan; 68(1):39–44 (Eng. Abstr.) (Rus)
[Erythrocyte coagulating and fibrinolytic activity in chronic ischemic heart disease] Gritsiuk AI, et al. **Kardiologiia** 1981 Aug;21(8):22–8 (Eng. Abstr.) (Rus)
[Action of low-intensity electromagnetic fields on human and animal erythrocytes] Shabaev VP. **Kosm Biol Aviakosm Med** 1982 May-Jun;16(3):91–2 (Rus)
[Erythrophosphatide: a reagent for coagulation studies] Rakitianskaia AA, et al. **Lab Delo** 1982;(1):32–4 (Eng. Abstr.) (Rus)
[Role of N-acetylneuraminic acid and a negative erythrocyte charge in their aggregation] Levin GIa, et al. **Probl Gematol Pereliv Krovi** 1981 Jun;26(6):6–8 (Eng. Abstr.) (Rus)
[Cryopreservation of an erythrocyte concentrate at -196 degrees C] Vinograd-Finkel' FR, et al. **Probl Gematol Pereliv Krovi** 1982 Jun;27(6):16–8 (Eng. Abstr.) (Rus)
[Methods of deglycerinating cryopreserved erythrocytes and means for their improvement] Vinogradova VL. **Probl Gematol Pereliv Krovi** 1982 Jun;27(6):42–50 (98 ref.) (Rus)
[Comparative study and clinical application of defrosted erythrocytes stored at 4 degrees C for 7 days] Zhukova IuV, et al. **Probl Gematol Pereliv Krovi** 1982 Apr;27(4):14–6 (Rus)
[Acetylsalicylic acid and the procoagulant activity of erythrocytes] Ashkinazi IIa. **Ter Arkh** 1981;53(5):61–5 (Eng. Abstr.) (Rus)
[Value of determining erythrocyte membrane permeability in the diagnosis of chronic liver diseases] Kolmakov VN, et al. **Ter Arkh** 1982;54(2):59–62 (Eng. Abstr.) (Rus)
[Role of a geomagnetic field in altering the properties of erythrocyte surface membranes in chronic nonspecific lung diseases] Piatkin VP, et al. **Vopr Kurortol Fizioter Lech Fiz Kult** 1982 May-Jun; (3):12–5 (Eng. Abstr.) (Rus)
[Erythrocyte link of blood coagulation at different periods in hypertension] Gritsiuk AI, et al. **Vrach Delo** 1982 May; (5):59–63 (Eng. Abstr.) (Rus)
[Indicators of apparent blood viscosity and zeta-potential of the erythrocytes in acute myocardial infarct] Kazakov IuM. **Vrach Delo** 1981 Oct;(10):8–10 (Eng. Abstr.) (Rus)
[Erythrocyte electrophoretic mobility and the blood rheological properties in chronic ischemic heart disease] Progonnaia VV, et al. **Vrach Delo** 1982 Apr;(4):39–42 (Eng. Abstr.) (Rus)
[Various electrical indices of schizophrenic patients' erythrocytes] Zurabashvili ZA, et al. **Zh Nevropatol Psikhiatr** 1982;82(5):64–7 (Eng. Abstr.) (Rus)

PHYSIOPATHOLOGY

Phospholipid content and phospholipid fatty acid composition of red blood cells in enzyme defect hemolytic anemias. Bleiber R, et al. **Acta Biol Med Ger** 1981; 40(9):1133–37
Erythrocyte osmotic fragility in protein–energy malnutrition: cholesterol, phospholipid, and CA2+, Mg2+ adenosine triphosphatase. Ramanadham M, et al. **Biochem Med** 1982 Apr;27(2):226–31
Dentin hydraulic conductance: changes produced by red blood cells. Pashley DH, et al. **J Dent Res** 1981 Oct; 60(10):1797–802
Decreased erythrocyte membrane fluidity and altered lipid composition in human liver disease. Owen JS, et al. **J Lipid Res** 1982 Jan;23(1):124–32
Myotonic muscular dystrophy. Time-dependent alterations in erythrocyte membrane fluidity. Butterfield DA. **J Neurol Sci** 1981 Oct;52(1):61–7

RADIATION EFFECTS

Effects of whole-body gamma irradiation on oxygen transport by rat erythrocytes. Thiriot C, et al. **Biochimie** 1982 Jan;64(1):79–83
Fluorescence depolarization studies of red cell membrane fluidity. The effect of exposure to 1.0-GHz microwave radiation. Allis JW, et al. **Bioelectromagnetics** 1981; 2(1):13–22
Experimental results contradicting claimed 1009-MHz influence on erythrocyte mobility. Bamberger S, et al. **Bioelectromagnetics** 1981;2(1):85–8
The effect of high intensity microwave exposure on enucleation of murine erythroid cells in vitro. Sciandra JJ, et al. **Br J Cancer [Suppl]** 1982 Mar;45(5):209–14
Recurrent decreases of erythrocyte electrophoretic mobility in rats exposed to 1.0 R whole-body x-radiation. Lawson AJ, et al. **Cell Biophys** 1982 Mar;4(1):47–61
A circular dichroism study of human erythrocyte ghost proteins during exposure to 2450 MHz microwave radiation. Ortner MJ, et al. **Cell Biophys** 1981 Dec; 3(4):335–47
Interaction of human and chick DNA repair functions in UV-irradiated xeroderma pigmentosum-chick erythrocyte heterokaryons. Bootsma D, et al. **Exp Cell Res** 1982 Jan; 137(1):181–9
Effect of hyperthermia and ionizing radiation on the erythrocyte membrane. Grzelińska E, et al. **Int J Radiat Biol** 1982 Jul;42(1):45–55
Effect of .OH scavengers on radiation damage to the erythrocyte membrane. Grzelińska E, et al. **Int J Radiat Biol** 1982 May;41(5):473–81

Radiation-induced efflux of potassium ions and haemoglobin in bovine erythrocytes at low doses and low dose-rates. Konings AW. **Int J Radiat Biol** 1981 Oct;40(4):441-4
Changes in electrophoretic mobility of erythrocytes exposed to ionizing radiations of various LET. Vranska TG, et al. **Int J Radiat Biol** 1981 Oct;40(4):455-9
Radiation-induced ouabain-insensitive K+ exchange of erythrocytes under the quasi-physiological conditions. Suzuki S. **J Radiat Res (Tokyo)** 1982 Mar;23(1):119-27
Short-term toxicity study of irradiated cocoa beans in rats. Takyi EE, et al. **J Sci Food Agric** 1981 Sep;32(9):933-40
Dye-sensitized photodynamic inactivation of cells. Pooler JP, et al. **Med Phys** 1981 Sep-Oct;8(5):614-28
Cell membrane photomodification: relative effectiveness of halogenated fluoresceins for photohemolysis. Valenzeno DP, et al. **Photochem Photobiol** 1982 Mar;35(3):343-50
Changes in bone marrow following sub-lethal irradiation. Harris PF. **Prog Clin Biol Res** 1981;59B:257-68
Participation of free oxygen radicals in damage of porcine erythrocytes. Jóźwiak Z, et al. **Radiat Res** 1981 Oct; 88(1):11-9
Interaction between chlorpromazine and radiation damage to human erythrocyte membrane. Mishra KP, et al. **Radiat Res** 1981 Nov;88(2):413-9
Irradiation inactivation analysis of acetylcholinesterase and the effect of buffer salts. Parkinson D, et al. **Radiat Res** 1982 May;90(2):252-9
The effect of ionizing radiation in vitro upon fetal mouse liver erythroid cells. Reddy MR, et al. **Radiat Res** 1981 Oct;88(1):79-85
Radiation-induced structural changes in human erythrocyte membrane proteins revealed by sodium dodecyl sulfate/polyacrylamide gel electrophoresis. Todo T, et al. **Radiat Res** 1982 Feb;89(2):408-19
Immobilization of erythrocytes by radiation polymerization of glass-forming monomers at low temperatures. Yoshii F, et al. **Z Naturforsch [C]** 1981 Nov-Dec;36(11-12):1062-7
[The significance of superoxide dismutase in the development of th post-irradiation syndrome. VI. The effect of cystamine on superoxide dismutase activity in the erythrocytes of irradiated and non-irradiated rats] Kratochvilová V, et al. **Sb Ved Pr Lek Fak Univ Karlovy [Suppl]** 1981;24(2):261-8 (Eng. Abstr.) **(Cze)**
[The significance of superoxide dismutase in the development of the post-irradiation syndrome. IV. Superoxide dismutase activity in erythrocytes of irradiated rats and dogs] Kratochvilová V, et al. **Sb Ved Pr Lek Fak Univ Karlovy [Suppl]** 1981;24(1):91-8 (Eng. Abstr.) **(Cze)**
[Adenosine triphosphatase activity of the erythrocyte membrane in irradiated animals] Bushneva IA, et al. **Radiobiologiia** 1981;21(4):572-4 (Eng. Abstr.) **(Rus)**
[Mechanism of the disturbance in the screening effect of erythrocyte surface protein amino groups in radiation action] Dovgii IE, et al. **Radiobiologiia** 1981 Sep-Oct; 21(5):765-8 (Eng. Abstr.) **(Rus)**
[Postradiation recovery of human erythrocytes in in vitro experiments studied by the double-dose method] Kolesnikov IuA, et al. **Radiobiologiia** 1981;21(4):548-52 (Eng. Abstr.) **(Rus)**
[Enzymatic activity of epithelial colonies of the small intestine and erythroid endocolonies after irradiation] Nesterenko VS, et al. **Radiobiologiia** 1981 Nov-Dec; 21(6):932-6 (Eng. Abstr.) **(Rus)**
[Protein metabolic indices in radiation sickness and the administration of cystamine] Serebrennikova IA, et al. **Radiobiologiia** 1981;21(4):577-81 **(Rus)**
[Effect of serotonin on the content and intensity of renewal of lipid fractions in nonirradiated and irradiated erythrocytes] Vinogradova MF, et al. **Radiobiologiia** 1981; 21(4):583-7 (Eng. Abstr.) **(Rus)**
[Mechanism of the disturbance in potassium ion transport in irradiated erythrocytes and the role of serotonin in regulating this process] Vinogradova MF, et al. **Radiobiologiia** 1981 Sep-Oct;21(5):768-72 (Eng. Abstr.) **(Rus)**
[Adenylate deaminase activity in leukocytes, erythrocytes and blood serum in radiation sickness] Savitskiĭ IV, et al. **Ukr Biokhim Zh** 1982 May-Jun;54(3):327-30 **(Rus)**
[Regulatory mechanisms of oxygen transport function of hemoglobin in irradiated animals] Sukhomlinov BF, et al. **Ukr Biokhim Zh** 1982 Mar-Apr;54(2):129-33 (Eng. Abstr.) **(Rus)**

SURGERY

The effects of Arvin and surgery on red cell filterability. Ernst E, et al. **Scand J Clin Lab Invest [Suppl]** 1981; 156:317-9

TRANSPLANTATION

Presumed transfer of hepatitis antibody by blood transfusion to chronic hemodialysis patients. Carta JR. **Am J Infect Control** 1982 Feb;10(1):34-6
Erythropheresis in treating retinal detachments secondary to sickle-cell retinopathy. Wilhelm JL, et al. **Am J Ophthalmol** 1981 Oct;92(4):582-3
Transfusions with young erythrocytes (neocytes) in sickle cell anemia. Klein HG. **Am J Pediatr Hematol Oncol** 1982 Summer;4(2):162-5
Red cell transfusion in the newborn. Indications and unique blood banking needs. Stockman JA 3d. **Am J Pediatr Hematol Oncol** 1981 Summer;3(2):205-11
Effects of dilution, pressure, and apparatus on hemolysis and flow rate in transfusion of packed erythrocytes. Calkins JM, et al. **Anesth Analg (Cleve)** 1982 Sep;61(9):776-80
Component therapy of surgical hemorrhage: red cells, plasma substitutes and albumin. Lundsgaard-Hansen P, et al. **Ann Clin Res** 1981;13 Suppl 33:26-38
Red cell concentrates and other blood products. Rajamäki A. **Ann Clin Res** 1981;13 Suppl 33:21-5
Babesiosis transmitted by a transfusion of frozen-thawed blood. Grabowski EF, et al. **Ann Intern Med** 1982 Apr; 96(4):466-7
Cardiopulmonary function following transfusion of three red blood cell products in elective abdominal aortic aneurysmectomy. Krausz MM, et al. **Ann Surg** 1981 Nov; 194(5):616-24
Red cell transfusion problems in immunohematologic disease. Petz LD. **Annu Rev Med** 1982;33:355-61
Continuous RBC transfusions in a patient with sickle cell disease. Finch CA, et al. **Arch Intern Med** 1982 Feb; 142(2):279-82
A simple technique for preparation of young red cells for transfusion from ordinary blood units. Graziano JH, et al. **Blood** 1982 Apr;59(4):865-8
Two cases of graft-versus-host disease follqwing transfusion of nonirradiated blood products. Schmitz N, et al. **Blut** 1982 Feb;44(2):83-8
Reticuloendothelial system depression with hemolyzed blood and susceptibility to endotoxin shock and thermal injury. Loegering DJ, et al. **Circ Shock** 1981;8(4):473-82
Red cell transfusions in autoimmunized patients. Issitt PD. **Cleve Clin Q** 1981 Summer;48(2):289-303
Clinical experience with 120,000 units of modified fluid gelatin. Lundsgaard-Hansen P, et al. **Dev Biol Stand** 1980; 48:251-6
Survival of human erythrocytes in primate animals. Castro O, et al. **J Med Primatol** 1981;10(1):55-60
Effect of transfusion of RBC in pulmonary hypertension. Griffith RA. **J Pediatr** 1981 Oct;99(4):670
Current trends in whole blood and red cell therapy. Orlin JB. **Postgrad Med** 1982 Aug;72(2):63-9
Partial red cell exchange transfusion in sickle cell disease. Klein HG, et al. **Prog Clin Biol Res** 1982;88:235-43
Neocytes and neocyte-gerocyte exchange. Propper RD. **Prog Clin Biol Res** 1982;88:227-33
Absence of anamnestic response after transfusion of washed red blood cells in haemophilia A patients with antibody to factor VIII. Laurian Y, et al. **Scand J Haematol** 1982 Mar;28(3):233-7
Washed red blood cells [letter] Frankel KA. **Transfusion** 1982 Jan-Feb;22(1):82-3
Cryopreserved red blood cells for pediatric transfusion. Frozen storage of small aliquots in polyvinyl chloride (PVC) plastic bags. Valeri CR, et al. **Transfusion** 1981 Sep-Oct;21(5):527-36
Washed RBC to prevent transfusion reactions [letter] Westphal R. **Transfusion** 1982 Jan-Feb;22(1):82
Influence of a blood component program on postoperative complication rates: a retrospective study in 372 patients. Lundsgaard-Hansen P, et al. **Vox Sang** 1981;41(4):193-200
Posttransfusion viability of rabbit erythrocytes preserved in a medium containing inosine, adenine, and isoosmotic sucrose. Nakao T, et al. **Vox Sang** 1982;42(4):217-22
[Anemia and blood transfusion] Nevanlinna HR. **Duodecim** 1981;97(7):369-71 **(Fin)**
[The infusion of packed red cells. Usual difficulties (author's transl)] Otteni JC, et al. **Anesth Analg (Paris)** 1981; 38(7-8):341-5 (Eng. Abstr.) **(Fre)**
[The use of erythrocyte concentrates, preserved at low temperature, in hematologic patients] Schleusner A, et al. **Folia Haematol (Leipz)** 1981;108(6):813-8 (Eng. Abstr.) **(Ger)**
[Washed erythrocyte concentrate, degree of purity and cell vitality] Strauss D, et al. **Z Gesamte Inn Med** 1981 Jul 1; 36(13):443-8 (Eng. Abstr.) **(Ger)**
[Use of erythrocytes preserved by ultrafast freezing with trauma and orthopedic patients] Fedorova LI, et al. **Ortop Travmatol Protez** 1981 Apr;(4):71-4 (Eng. Abstr.) **(Rus)**
[Hematopoietic stem cell count in mice with stimulated and suppressed erythropoiesis. II. Hypert ansfusion of syngeneic erythrocytes and chronic hypoxia] Zhuravkin IN, et al. **Tsitologiia** 1982 Mar;24(3):340-4 (Eng. Abstr.) **(Rus)**
[Comparative clinico-immunological evaluation of the use of large amounts of thawed erythrocytes in severe injury] Deriabin II, et al. **Vestn Khir** 1982 Feb;128(2):110-3 **(Rus)**

ULTRASTRUCTURE

IXth International Berlin Symposium on Structure and Function of Erythroid cells. August 27--30, 1980. **Acta Biol Med Ger** 1981;40(4-5):351-738
Reversible and irreversible structural modifications of erythrocyte membrane. Balduini C, et al. **Acta Biol Med Ger** 1981;40(4-5):401-8
Role of membrane lipids and proteins in discocyte-echinocyte and -stomatocyte transformation of erythrocytes. Fujii T. **Acta Biol Med Ger** 1981; 40(4-5):361-7
Deformability of erythrocytes incubated at various pH-values. Gummelt M, et al. **Acta Biol Med Ger** 1981; 40(4-5):379-83
Defined rearrangement of the membrane of banked erythrocytes. Halbhuber KJ, et al. **Acta Biol Med Ger** 1981; 40(4-5):419-21
Ultrastructural modifications of the erythrocyte membrane in Down's syndrome. Kedziora J, et al. **Acta Biol Med Ger** 1981;40(4-5):423-8
Thermal denaturation of peripheral red cell membrane proteins in relation to heat-induced cell alterations. Kodiček M, et al. **Acta Biol Med Ger** 1981;40(4-5):369-71
On the mechanism of red blood cell shape change and release of spectrin-free vesicles. Müller H, et al. **Acta Biol Med Ger** 1981;40(4-5):413-7
Spreading of red blood cell suspensions on paper as a simple test of cell deformability. Tannert C, et al. **Acta Biol Med Ger** 1981;40(6):739-42
Topologic aspects of integral membrane proteins. Zahler P, et al. **Acta Biol Med Ger** 1981;40(4-5):357-9
Isolation of human erythrocyte inside-out vesicles alters their molecular architecture. Wise GE. **Anat Rec** 1982 Mar; 202(3):317-24
A calorimetric comparison of structural transitions of erythrocytic ghosts from normal individuals and from patients with muscular dystrophy. Brandts JF, et al. **Arch Biochem Biophys** 1982 Apr 1;214(2):560-2
Resealing to small solutes of white erythrocyte membranes after incubation with EDTA, Ca2+, salt, sucrose, phospholipase C. Moore RB, et al. **Arch Biochem Biophys** 1981 Oct 1;211(1):179-91
Effect of dilazep on shape change of human erythrocyte in blood stored over a period of 42 days. Fujisawa Y, et al. **Arzneimittelforsch** 1981;31(9):1462-8
The red cell membrane and its cytoskeleton. Gratzer WB. **Biochem J** 1981 Jul 15;198(1):1-8 (72 ref.)
Quantitation of surface affinities of red blood cells in dextran solutions and plasma. Buxbaum K, et al. **Biochemistry** 1982 Jun 22;21(13):3235-9
Asymmetry of lipid dynamics in human erythrocyte membranes studied with impermeant fluorophores. Cogan U, et al. **Biochemistry** 1981 Oct 27;20(22):6396-403
Dynamic structure of biological membranes as probed by 1,6-diphenyl-1,3,5-hexatriene: a nanosecond fluorescence depolarization study. Kinosita K Jr, et al. **Biochemistry** 1981 Jul 21;20(15):4270-7
Protein involvement in structural transition of erythrocyte ghosts. Use of thermal gel analysis to detect protein aggregation. Lysko KA, et al. **Biochemistry** 1981 Sep 15; 20(19):5570-6
Detection of a phase transition in red cell membranes using positronium as a probe. Chow EI, et al. **Biochim Biophys Acta** 1981 Aug 20;646(2):356-9
Fluorescence polarization study of human erythrocyte membranes with 1-phenyl-3-(2-naphthyl)-2-pyrazoline as orientational probe. Eisinger J, et al. **Biochim Biophys Acta** 1981 Aug 20;646(2):334-43
Calcium does not mediate the shape change that follows ATP depletion in human erythrocytes. Ferrell JE Jr, et al. **Biochim Biophys Acta** 1982 May 7;687(2):321-8
Freeze-fracture characterization of 'young' and 'old' human erythrocytes. Fischbeck KH, et al. **Biochim Biophys Acta** 1982 Feb 23;685(2):207-10
Pressure dependence of pyrene excimer fluorescence in human erythrocyte membranes. Flamm M, et al. **Biochim Biophys Acta** 1982 Apr 23;687(1):101-4
Hypertonic cryohemolysis and the cytoskeletal system. Green FA, et al. **Biochim Biophys Acta** 1981 Nov 6; 648(2):225-30
Selective removal of lipids from the outer membrane layer of human erythrocytes without hemolysis. Consequences for bilayer stability and cell shape. Haest CW, et al. **Biochim Biophys Acta** 1981 Dec 21;649(3):701-8
The effects of glutaraldehyde and osmium tetroxide on the erythrocyte membrane. A spin label study. Komorowska M, et al. **Biochim Biophys Acta** 1982 Mar 23;686(1):94-8
On the mechanism of vesicle release from ATP-depleted human red blood cells. Müller H, et al. **Biochim Biophys Acta** 1981 Dec 7;649(2):462-70
Action of peptidolipidic antibiotics of the iturin group on erythrocytes. Effect of some lipids on hemolysis. Quentin MJ, et al. **Biochim Biophys Acta** 1982 Jan 22;684(2):207-11
Investigation of human erythrocyte ghost membranes with intramolecular excimer probes. Zachariasse KA, et al. **Biochim Biophys Acta** 1982 Jun 14;688(2):323-32
Extensional flow of erythrocyte membrane from cell body to elastic tether. I. Analysis. Hochmuth RM, et al. **Biophys J** 1982 Jul;39(1):71-81
Extensional flow of erythrocyte membrane from cell body to elastic tether. II. Experiment. Hochmuth RM, et al. **Biophys J** 1982 Jul;39(1):83-9
Mechanics of Rouleau formation. Skalak R, et al. **Biophys J** 1981 Sep;35(3):771-81
Viscoelastic behavior of erythrocyte membrane. Tözeren A, et al. **Biophys J** 1982 Jul;39(1):23-32
31P nuclear magnetic resonance studies of the phospholipid-protein interface in cell membranes. Yeagle PL. **Biophys J** 1982 Jan;37(1):227-39
Acute nonlymphocytic leukemias following chemotherapy. Ultrastructural study of erythroblastic cell line and discussion of nuclear anomalies. Thiery JP, et al. **Blood Cells** 1981;7(2):341-56
Why inclusion bodies do assume different locations in

thalassaemic erythrocytes. Zavagli G, et al. **Blut** 1982 Mar; 44(3):165–72

Erythrocyte hemighosts: a hallmark of severe oxidative injury in vivo. Chan TK, et al. **Br J Haematol** 1982 Apr; 50(4):575–82

Immunofluorescent localization of lysine–rich histones in isolated nuclei from adult and embryonic chicken erythrocytes. Mura CV, et al. **Can J Biochem** 1982 Mar; 60(3):215–23

Micronuclei in erythropoietic bone marrow cells: relation to cytogenetic pattern and prognosis in acute nonlymphocytic leukemia. Högstedt B, et al. **Cancer Genet Cytogenet** 1981 Apr;3(3):185–93

Scanning electron microscopy studies of interaction of proteins and polyamino acids with erythroblasts transformed by Friend virus. Krumins SA, et al. **Cell Biol Int Rep** 1982 May;6(5):443–53

Biophysical responses of red cell–membrane systems to very low concentrations of inorganic mercury. Mel HC, et al. **Cell Biophys** 1981 Sep;3(3):233–50

A quantitative ultrastructural study of normal rat erythroblasts and reticulocytes. Heynen MJ, et al. **Cell Tissue Res** 1982;224(2):397–408

Ultrastructure of supravitally stained red cells in haemoglobin H disease [letter] Feliu E, et al. **Clin Lab Haematol** 1982; 4(1):89–90

Membrane cytoskeletal interactions in the human erythrocyte. Branton D. **Cold Spring Harbor Symp Quant Biol** 1982;46 (Pt 1):1–5

Visualization of the 'membrane skeleton' in human erythrocytes by freeze–etching. Nermut MV. **Eur J Cell Biol** 1981 Oct;25(2):265–71

The nuclear matrix of duck erythroblasts is associated with globin mRNA coding sequences but not with the major proteins of 40S nuclear RNP. Maundrell K, et al. **Exp Cell Res** 1981 Dec;136(2):435–45

Scanning electron microscopical characterization of La3+– and concanavalin A–induced aggregations of untreated and neuraminidase–treated human erythrocytes. Lerche D, et al. **Exp Pathol** 1981;20(3):156–62

Nucleodisome – a new repeat unit of chromatin revealed in nuclei of pigeon erythrocytes by DNase I digestion. Khachatrian AT, et al. **FEBS Lett** 1981 Jun 1;128(1):90–2

Induction of Heinz body formation by sodium dithionite. Imanishi H, et al. **Hemoglobin** 1981;5(5):453–61

Erythrocyte membrane microviscosity in diabetes. Otsuji S, et al. **Horm Metab Res [Suppl]** 1981;11:97–102

Chemical modification of hemoglobin in intact whole cells: morphological studies by scanning electron microscope. Cheng LY, et al. **Int J Biochem** 1982;14(6):461–5

Partial structural characterization of the cytoplasmic domain of the erythrocyte membrane protein, band 3. Appell KC, et al. **J Biol Chem** 1981 Nov 10;256(21):11104–11

The polymeric state of actin in the human erythrocyte cytoskeleton. Atkinson MA, et al. **J Cell Biochem** 1982; 18(4):493–505

Freeze–fracture study on the erythrocyte membrane during malarial parasite invasion. Aikawa M, et al. **J Cell Biol** 1981 Oct;91(1):55–62

Control of the erythrocyte membrane shape: recovery from the effect of crenating agents. Alhanaty E, et al. **J Cell Biol** 1981 Dec;91(3 Pt 1):884–8

Spectroscopic assays for measuring quantities of erythrocyte membrane 'halves'. Fisher KA. **J Cell Biol** 1982 Jan; 92(1):44–52

Monolayer freeze–fracture autoradiography: quantitative analysis of the transmembrane distribution of radioiodinated concanavalin A. Fisher KA. **J Cell Biol** 1982 Apr; 93(1):155–63

Synemin and vimentin are components of intermediate filaments in avian erythrocytes. Granger BL, et al. **J Cell Biol** 1982 Feb;92(2):299–312

The effect of various cooling rates on the membrane ultrastructure of frozen human erythrocytes and its relation to the extent of haemolysis after thawing. Fujikawa S. **J Cell Sci** 1981 Jun;49:369–82

Ultrastructure of sheep erythrocyte plasma membranes and cytoskeletons bound to solid supports. Lang RD, et al. **J Cell Sci** 1981 Jun;49:383–99

Electron microscopic observations on the development and cytochemistry of the large granule complexes in chicken erythrocyte nuclei. Pearson EC, et al. **J Cell Sci** 1982 Jun; 55:157–87

A critical evaluation of Bernhard's EDTA regressive staining technique for RNA. Pearson EC, et al. **J Cell Sci** 1982 Apr;54:207–40

Molecular organization of C9 within the membrane attack complex of complement. Induction of circular C9 polymerization by the C5b–8 assembly. Podack ER, et al. **J Exp Med** 1982 Jul 1;156(1):268–82

Patterns of filipin–sterol complex distribution in intact erythrocytes and intramembrane particle–aggregated ghost membranes. Brown D, et al. **J Histochem Cytochem** 1982 Jul;30(7):702–6

Quantitative analysis of intramembrane particle (IMP) distribution on biomembranes after freeze–fracture preparation by a computer–based technique. Niedermeyer W, et al. **J Microsc** 1982 Jun;126(Pt 3):259–73

The contribution of scanning electron microscopy in haematology: its role in defining leucocyte and erythrocyte disorders. Polliack A. **J Microsc** 1981 Aug;123(Pt 2):177–87 (66 ref.)

Structural analysis of membranes by means of a nuclear reaction. Wiezorek C. **J Mol Biol** 1982 Jan 5;154(1):159–67

Fluorescence studies of red blood cell membranes from individuals with Huntington's disease. Sumbilla C, et al. **J Neurochem** 1982 Jun;38(6):1699–708

Knobs on the surface of erythrocytes infected with Plasmodium falciparum: visualization by video–enhanced, differential interference contrast microscopy. Trager W, et al. **J Parasitol** 1982 Apr;68(2):332–3

Structural transitions of chromatin in isolated Xenopus erythrocyte nuclei. II. Computer–based image analysis. Chegini N, et al. **J Submicrosc Cytol** 1981 Jul;13(3):309–19

Structural transitions of chromatin in isolated Xenopus erythrocyte nuclei. I. The effects of ions. Chegini N, et al. **J Submicrosc Cytol** 1981 Jul;13(3):291–308

Anomalous cell surface structure of sickle cell anemia erythrocytes as demonstrated by cell surface labeling and endo–beta–galactosidase treatment. Fukuda M, et al. **J Supramol Struct Cell Biochem** 1981;17(3):289–97

Spectrin oligomers: a structural feature of the erythrocyte cytoskeleton. Morrow JS, et al. **J Supramol Struct Cell Biochem** 1981;17(3):275–87

The ultrastructure of the erythrocyte cytoskeleton at neutral and reduced pH. Timme AH. **J Ultrastruct Res** 1981 Nov; 77(2):199–209

An 'on grid' electron microscopic method for studying the interaction and fusion of influenza A virus with human erythrocyte membranes. Fidgen KJ, et al. **J Virol Methods** 1981 Dec;3(5):271–6

Co–expression of mouse and rat haemoglobins in interspecific hybrids of mouse and at erythroleukemia cells. Greiser–Wilke I, et al. **Leuk Res** 1982;6(1):9–15

An improved procedure for the isolation of ghost membranes from human red blood cells[letter] Burton GW, et al. **Lipids** 1981 Dec;16(12):946

Micronuclei in mouse bone marrow erythrocytes after treatment with radiophosphorus. Olinici CD, et al. **Morphol Embryol (Bucur)** 1982 Jan–Mar;28(1):55–7

Release of spectrin–free spicules on reoxygenation of sickled erythrocytes. Allan D, et al. **Nature** 1982 Feb 18; 295(5850):612–3

Erythrocyte membrane studies [letter] Lloyd S, et al. **Neurology (NY)** 1981 Oct;31(10):1371

Changes in volume and morphology of erythrocytes in NH4Cl–, NH4HCO3–mediated hemolysis. Takeda T, et al. **Nippon Ketsueki Gakkai Zasshi** 1982 Feb;45(1):26–30

Ethanol disordering of spin–labeled mouse brain membranes: correlation with genetically determined ethanol sensitivity of mice. Goldstein DB, et al. **Proc Natl Acad Sci USA** 1982 Jul;79(13):4231–3

Defective spectrin dimer–dimer association with hereditary elliptocytosis. Liu SC, et al. **Proc Natl Acad Sci USA** 1982 Mar;79(6):2072–6

Mechanisms of decreased erythrocyte deformability and survival in glucose 6–phosphate dehydrogenase mutants. Flynn TP, et al. **Prog Clin Biol Res** 1981;56:231–49

The physiological significance of oxidative perturbations in erythrocyte membrane lipids and proteins. Hochstein P, et al. **Prog Clin Biol Res** 1981;55:449–65

Studies on human erythrocyte spectrin.4.1.actin complex with the use of cytochalasins. Lin DC. **Prog Clin Biol Res** 1981;56:117–36

Defective membrane skeleton assembly in hereditary elliptocytosis. Liu SC, et al. **Prog Clin Biol Res** 1981; 56:157–69

Abnormal membrane phospholipid asymmetry in sickle erythrocytes and its pathophysiologic significance. Lubin B, et al. **Prog Clin Biol Res** 1981;56:171–93

Factors that limit whole cell deformability in erythrocytes after calcium loading and ATP depletion. Mohandas N, et al. **Prog Clin Biol Res** 1981;55:423–37

Glycoconnectin (PAS 2), a membrane attachment site for the human erythrocyte cytoskeleton. Mueller TJ, et al. **Prog Clin Biol Res** 1981;56:95–116

Altered red cell cytoskeletal protein associations leading to membrane instability. Palek J, et al. **Prog Clin Biol Res** 1981;55:385–407

The construction of the red cell cytoskeleton. Pinder JC, et al. **Prog Clin Biol Res** 1981;55:343–61

A reevaluation of the process of enucleation in mammalian erythroid cells. Repasky EA, et al. **Prog Clin Biol Res** 1981; 55:679–92

Molecular interactions governing red cell membrane structure. Tyler JM, et al. **Prog Clin Biol Res** 1981;56:79–93

Electron microscopy in the diagnosis of the bone marrow disorders of the erythroid series. Fresco R. **Semin Hematol** 1981 Oct;18(4):279–92 (79 ref.)

Replication of cell monolayers with the Bullivant–Ames freeze–fracture apparatus. Brown JN. **Stain Technol** 1981 Jul;56(4):267–9

The density and distribution of intramembrane particles in erythrocytes from persons with muscular dystrophies. Bodurtha J, et al. **Tohoku J Exp Med** 1982 Apr;136(4):373–7

Mapping functional sites on biological macromolecules. Cohen CM, et al. **Ultramicroscopy** 1982;8(1–2):185–90 (14 ref.)

[Ultrastructure of bone marrow erythron in patients of favism (author's transl)] Liu YL. **Chung Hua I Hsueh Tsa Chih** 1981 Jul;61(7):396–8 (Eng. Abstr.) **(Chi)**

[Red cell rheology and membrane—application of image processing (author's transl)] Shiga T, et al. **Iyodenshi To Seitai Kogaku** 1981 Dec;19(7):554–60 (56 ref.) **(Jpn)**

[The chromatin structure of nucleated erythrocyte of bullfrog, Rana catesbeiana (author's transl)] Shimada T. **Nippon Ika Daigaku Zasshi** 1981 Aug;48(4):468–75 (Eng. Abstr.) **(Jpn)**

[Morphological changes in erythrocytes—scanning electron microscopy] Matsumoto N, et al. **Rinsho Byori** 1981 Jun; (46 Suppl):1–12 **(Jpn)**

[Spleen and erythrocytes] Matsumoto N, et al. **Rinsho Byori** 1981 Jun;(46 Suppl):13–22 **(Jpn)**

[Scanning electron microscope (erythrocyte system)] Mikami M. **Rinsho Byori** 1982;Suppl 48:205–34 **(Jpn)**

[Recurrent erythroblastosis in a case of juvenile chronic myelocytic leukemia – ultracytochemistry of erythroblasts (author's transl)] Eguchi M, et al. **Rinsho Ketsueki** 1981 Jun;22(6):909–16 (Eng. Abstr.) **(Jpn)**

[Effects of sterols having different chemical structure and squalene on osmotic resistance of erythrocytes] Ivashkevich SP, et al. **Biokhimiia** 1981 Aug;46(8):1420–5 (Eng. Abstr.) **(Rus)**

[Morphologic characteristics of rat venous and arterial blood erythrocytes based on scanning electron microscopy] Ionov BV, et al. **Biull Eksp Biol Med** 1981 Dec;92(12):749–52 (Eng. Abstr.) **(Rus)**

[Ultrastructure of erythroid cells in chronic phenol poisoning] Sudakova AI. **Tsitol Genet** 1982 Mar–Apr; 16(2):3–6 (Eng. Abstr.) **(Rus)**

[Form of red and white human erythrocyte ghosts and the ultrastructure of the internal perimembrane layer] Brudnaia MS, et al. **Tsitologiia** 1981 Oct;23(10):1104–8 (Eng. Abstr.) **(Rus)**

[Changes in charge density of cholesterol–enriched erythrocyte membranes] Kholodova IuD, et al. **Ukr Biokhim Zh** 1981 Jul–Aug;53(4):80–7 (Eng. Abstr.) **(Rus)**

ERYTHROCYTES, ABNORMAL

Spuriously elevated platelet counts due to microspherocytosis. Akwari AM, et al. **Am J Clin Pathol** 1982 Feb;77(2):220–1

Cardiomyopathy associated with the syndrome of amyotrophic chorea and acanthocytosis. Faillace RT, et al. **Ann Intern Med** 1982 May;96(5):616–7

Abnormal erythroid progenitor cells in human preleukemia. Chui DH, et al. **Blood** 1982 Aug;60(2):362–7

A simple laboratory alternative to irreversibly sickled cell (ISC) counts. Clark MR, et al. **Blood** 1982 Sep;60(3):659–62

A technique to detect reduced mechanical stability of red cell membranes: relevance to elliptocytic disorders. Mohandas N, et al. **Blood** 1982 Apr;59(4):768–74

Pincered red cells and hereditary spherocytosis. Cazzola M, et al. **Haematologica (Pavia)** 1981 Aug;66(4):498–502

Surface morphology of platelets in spur–cell anemia. Doll DC. **Hum Pathol** 1982 Jul;13(7):671–2

Intracranial myospherulosis. Mills SE, et al. **Hum Pathol** 1982 Jun;13(6):596–7

Neurogenic muscular atrophy and low density of large myelinated fibres of sural nerve in chorea–acanthocytosis. Ohnishi A, et al. **J Neurol Neurosurg Psychiatry** 1981 Jul; 44(7):645–8

'Myopathic' changes in chorea–acanthocytosis. Clinical and histopathological studies. Limos LC, et al. **J Neurol Sci** 1982 Jul;55(1):49–58

Acute lymphoblastic leukemia with brilliant cresyl blue erythrocytic inclusions—acquired hemoglobin H? [letter] Kueh YK. **N Engl J Med** 1982 Jul 15;307(3):193–4

Transient erythroblastopenia [letter] Davis D, et al. **Pediatrics** 1982 Feb;69(2):250–1

Structural and biochemical analysis of the Mcleod erythrocyte membrane. I. Freeze fracture and discontinuous polyacrylamide gel electrophoresis analysis. Glaubensklee CS, et al. **Vox Sang** 1982;45(5):262–71

[Deformability of erythrocytes during storage of ACD preserved blood (author's transl)] Mircevová L, et al. **Cas Lek Cesk** 1980 Oct 10;119(40–41):1100–3 (Eng. Abstr.) **(Cze)**

[Genesis of microcytes in hemodialysis patients with chronic uremia] Fröber R, et al. **Gegenbaurs Morphol Jahrb** 1981; 127(5):654–8 (Eng. Abstr.) **(Ger)**

[Erythrocyte abnormalities in diabetes mellitus] Ernst E. **MMW** 1982 May 14;124(19):473–4 **(Ger)**

[Ring–shaped sideroblastosis in a case of acute lymphoblastic leukemia in a child (letter)] Spremolla G et al. **Haematologica (Pavia)** 1981 Jun;66(3):380–2 **(Ita)**

ANALYSIS

E–UFA test in multiple sclerosis. Caputo D, et al. **Acta Neurol (Napoli)** 1981 Apr;36(2):409–13 (9 ref.)

Membrane–bound hemichrome in density–separated cohorts of normal (AA) and sickled (SS) cells. Campwala HQ, et al. **J Lab Clin Med** 1982 Jan;99(1):25–8

[Cytochemistry of erythrocytes] Miyaji T. **Rinsho Byori** 1981 Jun;(46 Suppl):39–54 **(Jpn)**

[Severe neonatal acanthocytosis with neurological changes (letter)] Benasayag L, et al. **Sangre (Barc)** 1981;26(6):1170–1 **(Spa)**

CYTOLOGY

Megaloblastic change is a feature of colonies derived from

an early erythroid progenitor (BFU-E) stimulated by monocytes in culture. Reid CD, et al. **Br J Haematol** 1981 Dec;49(4):551-61

The laboratory evaluation of microcytic red blood cells. Marsh WL Jr, et al. **CRC Crit Rev Clin Lab Sci** 1982 Mar; 16(3):195-254 (451 ref.)

Erythrocyte deformability in dialysed and non-dialysed uraemic patients. Inauen W, et al. **Eur J Clin Invest** 1982 Apr;12(2):173-6

DRUG EFFECTS

Effects of buflomedil on erythrocyte deformability. Dormandy JA, et al. **Angiology** 1981 Oct;32(10):714-6

Extracorporeal treatment of erythrocytes in sickle cell anemia: hemoglobin carbamylation. Diederich D, et al. **Tex Rep Biol Med** 1980-81;40:313-22

Effect of flunarizine on the human red cell shape changes and calcium deposition induced by A 23187. De Clerck F, et al. **Thromb Res** 1981 Oct 1-15;24(1-2):1-12

METABOLISM

Erythrocyte shape transformation associated with calcium accumulation. Kretchman JM, et al. **Am J Med Technol** 1981 Jul;47(7):561-6 (25 ref.)

Metabolism of thymine nucleotides synthesized via the 'de novo' mechanism in normal, megaloblastic and methotrexate-treated human cells and in a lymphoblastoid cell line. Taheri MR, et al. **Biochem J** 1981 Apr 15; 196(1):225-35

Modulation of erythrocyte-endothelial interactions and the vasocclusive severity of sickling disorders. Hebbel RP, et al. **Blood** 1981 Nov;58(5):947-52

A molecular defect in two families with hemolytic poikilocytic anemia: reduction of high affinity membrane binding sites for ankyrin. Agre P, et al. **J Clin Invest** 1981 Dec;68(6):1566-76

Membrane protein and organization in normal and hemoglobinopathic red cells. Palek J. **Tex Rep Biol Med** 1980-81;40:397-416 (108 ref.)

[Hereditary diseases of the human erythrocyte membrane skeleton (author's transl)] Boivin P. **Nouv Presse Med** 1982 Jul 3;11(31):2347-51 (Eng. Abstr.) **(Fre)**

PARASITOLOGY

Ovalocytic erythrocytes from Melanesians are resistant to invasion by malaria parasites in culture. Kidson C, et al. **Proc Natl Acad Sci USA** 1981 Sep;78(9):5829-32

PATHOLOGY

Movement disorders of familial neuroacanthocytosis syndrome. Yamamoto T, et al. **Arch Neurol** 1982 May; 39(5):298-301

Reticulocytosis, hypochromia, and microcytosis: an unusual presentation of the preleukemic syndrome. Tulliez M, et al. **Blood** 1982 Feb;59(2):293-9

Hereditary elliptocytosis: morphologic abnormalities during acute hepatitis. Pui CH, et al. **Clin Pediatr (Phila)** 1982 Mar;21(3):188-90

Morphological abnormalities of the red cells during hemolytic episode in a patient with glucose 6-phosphate dehydrogenase deficiency. Bezzi TM, et al. **Haematologica (Pavia)** 1982 Feb;67(1):147-8

Ganglioside abnormality in amyotrophic chorea with acanthocytosis [letter] Gross KB, et al. **Lancet** 1982 Oct 2;2(8301):772

Erythrocyte abnormalities in experimental magnesium deficiency. **Nutr Rev** 1981 Sep;39(9):345-6

Lectins utilize glycophorin in cytoskeletal control of human erythrocyte discocyte in equilibrium echinocyte equilibria. Anderson RA, et al **Prog Clin Biol Res** 1981;56:207-29

Morphological determinants of red cell deformability. Meiselman HJ. **Scand J Clin Lab Invest [Suppl]** 1981; 156:27-34

[A case with Bartter's syndrome associated with type II hyperlipidemia, increased fluidity of plasma VLDL and abnormal configuration of peripheral erythrocytes (author's transl)] Imai T, et al. **Nippon Naibunpi Gakkai Zasshi** 1982 Feb 20;58(2):131-47 (Eng. Abstr.) **(Jpn)**

PHYSIOLOGY

Control of red cell deformability and shape. Mohandas N, et al. **Curr Top Hematol** 1978;1:71-125 (191 ref.)

Exercise-induced hemolysis in xerocytosis. Erythrocyte dehydration and shear sensitivity. Platt OS, et al. **J Clin Invest** 1981 Sep;68(3):631-8

Acanthocytosis and cholesterol enrichment decrease lipid fluidity of only the outer human erythrocyte membrane leaflet. Flamm M, et al. **Nature** 1982 Jul 15;298(5871):290-2

Deformability of stored red blood cells. Relationship to degree of packing. Card RT, et al. **Transfusion** 1982 Mar-Apr;22(2):96-101

[Methods for investigating abnormal fluidity of human erythrocytes] Teitel P. **Verh Dtsch Ges Inn Med** 1981; 87:1296-301 **(Ger)**

[Abnormal flow of erythrocytes as the common denominator in hemolytic anemia] Tillmann W. **Verh Dtsch Ges Inn Med** 1981;87:1289-93 **(Ger)**

PHYSIOPATHOLOGY

Effects of isovolumetric venesection on blood viscosity, on red cell deformability, and on arterial flow velocity in chronic respiratory failure with secondary polycythemia. Marazzini L, et al. **Respiration** 1981;42(3):168-74

ULTRASTRUCTURE

Altered red blood cell surface area in hereditary xerocytosis. Sauberman N, et al. **Clin Chim Acta** 1981 Aug 10; 114(2-3):149-61

Altered spectrin dimer-dimer association and instability of erythrocyte membrane skeletons in hereditary pyropoikilocytosis. Liu SC, et al. **J Clin Invest** 1981 Sep; 68(3):597-605

Structure of the fibers of hemoglobin S. Edelstein SJ. **Tex Rep Biol Med** 1980-81;40:221-32 (30 ref.)

[New approach to the study of erythrocyte aggregation] Levin GIa, et al. **Biull Eksp Biol Med** 1982 Mar;93(3):94-6 (Eng. Abstr.) **(Rus)**

ERYTHROCYTOSIS see **POLYCYTHEMIA**

ERYTHRODERMA

CHEMICALLY INDUCED

[Erythroderma and leukoneutropenia induced by arsenic during the treatment of lichen planus (letter)] Canuel C, et al. **Nouv Presse Med** 1981 Oct 17;10(37):3073-4 **(Fre)**

[Acute renal insufficiency, erythroderma and polyadenopathy during treatment with carbamazepine (letter)] Chennebault JM, et al. **Therapie** 1982 Jan-Feb;37(1):106 **(Fre)**

COMPLICATIONS

Seborrheic keratoses: appearance in course of exfoliative erythroderma and regression associated with histologic mononuclear cell inflammation. Berman A, et al. **Arch Dermatol** 1982 Aug;118(8):615-8

Erythrodermic bullous pemphigoid. Report of a case. Tappeiner G, et al. **J Am Acad Dermatol** 1982 Apr;6(4 Pt 1):489-92

[Multiple squamous cell carcinoma of the skin in a patient with psoriatic erythroderma] Zavadskii VN, et al. **Vestn Dermatol Venerol** 1982 Feb;(2):65-6 (Eng. Abstr.) **(Rus)**

CONGENITAL

[Netherton syndrome] Ferrer J. **Med Cutan Iber Lat Am** 1981; 9(4):251-4 (Eng. Abstr.) **(Spa)**

DRUG THERAPY

[Effectiveness of photochemotherapy in psoriatic erythroderma] Marzeeva GI, et al. **Vestn Dermatol Venerol** 1982 May;(5):8-12 (Eng. Abstr.) **(Rus)**

ETIOLOGY

[Sézary syndrome] Betti R, et al. **Minerva Med** 1982 Apr 7;73(15):977-82 **(Ita)**

FAMILIAL & GENETIC

Erythrokeratodermia progressiva symmetrica: report of 10 cases. Ruiz-Maldonado R, et al. **Dermatologica** 1982 Feb; 164(2):133-41

THERAPY

Plasma exchange in psoriatic erythroderma [letter] Rebora A, et al. **Br J Dermatol** 1982 Jan;106(1):119-20

ERYTHRODERMA ICHTHYOSIFORME, BULLOUS see **SKIN DISEASES, BULLOUS**

ERYTHRODERMA ICHTHYOSIFORME, NONBULLOUS see **ICHTHYOSIS**

ERYTHRODERMA, MACULOPAPULAR see **PARAPSORIASIS**

ERYTHROGENIN see under **ERYTHROPOIETIN**

ERYTHROLEUKEMIA

Terminal differentiation of murine erythroleukemia cells: physical stabilization of end-stage cells. Volloch V, et al. **J Cell Biol** 1982 May;93(2):390-4

Isolation of interferon-resistant variants of Friend erythroleukemia cells: effects of interferon and ouabain. Affabris E, et al. **Virology** 1982 Jul 30;120(2):441-52

BLOOD

Effects of leukemic cells on hematopoiesis in radiation-induced murine erythroleukemia. Nara N, et al. **Acta Haematol (Basel)** 1981;66(3):168-73

Inhibitors of cell division reversibly modify hemoglobin concentration in human erythroleukemia K562 cells. Erard F, et al. **Blood** 1981 Dec;58(6):1236-9

Hemin preferentially stimulates synthesis of alpha-globin in K562 human erythroleukemia cells. Rowley PT, et al. **Blood** 1982 May;59(5):1098-102

Erythroleukemia: a study of 15 cases and literature review. Roggli VL, et al. **Cancer** 1982 Jan 1;49(1):101-8

A spectrophotometric method for measuring hemoglobin in erythroleukemic cells (K562). Wanda PA, et al. **J Histochem Cytochem** 1981 Dec;29(12):1442-4

CHEMICALLY INDUCED

Erythroleukemia and other hematologic complications of intensive therapy in long-term survivors of small cell lung cancer. Bradley EC, et al. **Cancer** 1982 Jan 15;49(2):221-3

COMPLICATIONS

[Diabetes insipidus in a case of erythroleukemia (author's transl)] Fujikawa J, et al. **Rinsho Ketsueki** 1982 Mar; 23(3):349-55 (Eng. Abstr.) **(Jpn)**

[A case of erythroleukemia with erythrocytosis (author's transl)] Yamasaki H, et al. **Rinsho Ketsueki** 1981 Feb; 22(2):219-24 (Eng. Abstr.) **(Jpn)**

CONGENITAL

Congenital erythroleukemia. A case report. Lasson U, et al. **Blut** 1981 Oct;43(4):237-41

DRUG THERAPY

Treatment of acute myelocytic leukemia: a study by cancer and leukemia group B. Rai KR, et al. **Blood** 1981 Dec; 58(6):1203-12

Normal and Friend virus specific cell compartments in Friend leukemia characterized by their sensitivity to actinomycin D in vivo. Seidel HJ, et al. **Blut** 1981 Nov;43(5):287-96

Prognostic factors and treatment effects on survival in erythroleukemia: a retrospective study of 134 cases. Roggli VL, et al. **Cancer** 1981 Sep 1;48(5):1101-5

ENZYMOLOGY

DNA ligase and DNase activities in mouse erythroleukemia cells during dimethyl sulfoxide-induced differentiation. Scher BM, et al. **Cancer Res** 1982 Apr;42(4):1300-6

Presence of a DNA demethylating activity in the nucleus of murine erythroleukemic cells. Gjerset RA, et al. **J Biol Chem** 1982 Aug 10;257(15):8581-3

Increased levels of interferon-induced (2'--5') oligo-isoadenylate synthetase in mature T-lymphocytes and in differentiated Friend-erythroleukemic cells. Kimchi A. **J Interferon Res** 1981;1(4):559-69

ETIOLOGY

Giant marker chromosome in Fanconi's anemia transforming into erythroleukemia in an adult. Rotzak R, et al. **Acta Haematol (Basel)** 1982;67(3):214-6

Erythroleukemia with high fetal hemoglobin after therapy for ovarian carcinoma. Krauss JS, et al. **Am J Clin Pathol** 1981 Nov;76(5):721-2

Shut-down of virus synthesis during progression of erythroleukemia induced by Friend virus in mice. Yoosook C. **Int J Cancer** 1982 Jun 15;29(6):659-65

Induction of erythroid tumorigenic colonies by Friend helper virus F-MuLV alone and isolation of a new class of friend erythroleukemic cells. Shibuya T, et al. **J Cell Physiol** 1982; Suppl 1:185-94

Envelope gene sequences which encode the gp52 protein of spleen focus-forming virus are required for the induction of erythroid cell proliferation. Linemeyer DL, et al. **J Virol** 1982 Jul;43(1):223-33

Evolution of acute leukemia in a renal transplant patient--? Relationship to azathioprine. Hoy WE, et al. **Transplantation** 1982 Mar;33(3):331-3

[Acute leukemia associated with breast cancer (author's transl)] Krulik M, et al. **Sem Hop Paris** 1982 Mar 4; 58(9):513-20 (Eng. Abstr.) **(Fre)**

[Case of stomach cancer with erythroleukemic reaction and thrombopenic purpura] Kuliszkiewicz-Janus M, et al. **Acta Haematol Pol** 1981 Jan-Mar;12(1):37-40 (Eng. Abstr.) **(Pol)**

FAMILIAL & GENETIC

A collaborative study of the relationship of the morphological type of acute nonlymphocytic leukemia with patient age and karyotype. Rowley JD, et al. **Blood** 1982 May;59(5):1013-22

Spontaneous regression of Friend-virus-induced erythroleukemia. VII. The genetic control of regression. Dietz M, et al. **Int J Cancer** 1981 Mar 15;27(3):341-8

Familial erythroleukemia: four cases of the Diguglielmo syndrome in close relatives. Nissenblatt MJ, et al. **Johns Hopkins Med J** 1982 Jan;150(1):1-9

Monosomy 7 syndrome [letter] Marchi A, et al. **N Engl J Med** 1982 Jun 24;306(25):1552

beta-globin transcript found in induced murine erythroleukemia cells is homologous to the beta h0 and beta h1 genes. Brown BA, et al. **Proc Natl Acad Sci USA** 1982 May;79(9):2753-7

IMMUNOLOGY

Genetic resistance to Friend virus-induced erythroleukemia and immunosuppression. Kumar V, et al. **Curr Top Microbiol Immunol** 1981;92:65-82 (65 ref.)

Natural killer (NK) activity of normal human peripheral blood lymphocytes against erythroleukemic cell line K 562. Tanaka Y. **Hiroshima J Med Sci** 1981 Jun;30(2):115-26

Extravascular natural cytotoxicity in man: Anti-K562

activity of lymph-node and tumour-infiltrating lymphocytes. Moore M, et al. **Int J Cancer** 1981 Mar 15; 27(3):265–72

New cell surface gp70 related to Friend mink cell focus-inducing virus is expressed on Friend virus-induced erythroleukemic spleen cells after elimination of ecotropic Friend virus gp70 in Rfv-3r/s mice. Britt WJ, et al. **J Exp Med** 1981 Sep 1;154(3):868–82

The effect of target cell differentiation on human natural killer cell activity: a specific defect in target cell binding and early activation events. Werkmeister JA, et al. **J Immunol** 1982 Jul;129(1):413–8

Expression of red cell specific determinants during differentiation in the K562 erythroleukaemia cell line. Horton MA, et al. **Scand J Haematol** 1981 Oct;27(4):231–40

METABOLISM

Dexamethasone inhibits a heme-independent event necessary for terminal differentiation of murine erythroleukemia cells. Hugues B, et al. **Biochem Biophys Res Commun** 1981 Oct 30;102(4):1342–9

Comparison of dexamethasone binding and resistance to inhibition of induced differentiation in subclones of murine erythroleukemia cells. Osborne HB. **Biochem Biophys Res Commun** 1981 Aug 14;101(3):823–9

Surface glycoproteins of malignant human leukocytes. Gahmberg CG, et al. **Biochim Biophys Acta** 1982 Apr 29; 651(2–3):65–83 (138 ref.)

The effect of heme on intracellular iron pools during differentiation of Friend erythroleukemia cells. Hradilek A, et al. **Biochim Biophys Acta** 1981 Dec 18;678(3):373–80

Cytoskeletal influence on merocyanine 540 receptors in the plasma membrane of erythroleukemic cells. Hunt RC, et al. **Biochim Biophys Acta** 1982 Feb 10;720(1):106–10

Hemoglobin biosynthesis in juvenile erythroleukemia: evidence of imbalanced globin chain synthesis. Schröter W, et al. **Blut** 1982 Jan;44(1):7–13

Effect of the tumor promoter 12-O-tetradecanoylphorbol-13-acetate on alpha-aminoisobutyrate uptake in friend Erythroleukemic cells. Becker JH, et al. **Cancer Res** 1981 Nov;41(11 Pt 1):4512–7

Cell surface glycoprotein and asparagine-linked sugar chain patterns of rat erythroleukemic cell lines. Shiraishi N, et al. **Cancer Res** 1982 Jul;42(7):2884–93

Hormone-dependent terminal differentiation in vitro of chicken erythroleukemia cells transformed by ts mutants of avian erythroblastosis virus. Beug H, et al. **Cell** 1982 Apr;28(4):907–19

Role of mitochondrial membrane potential in the regulation of murine erythroleukemia cell differentiation. Levenson R, et al. **Cell** 1982 Apr;28(4):855–63

Erasure of the memory response in MEL cells. Levenson R, et al. **Dev Biol** 1981 Aug;86(1):81–6

Preservation of DNA integrity in human and mouse leukemic cells induced to terminally differentiate by chemical agents. Pantazis P, et al. **Dev Biol** 1981 Aug;86(1):55–60

Polysomal and nonpolysomal messenger RNA of noninduced and induced Friend erythroleukemic cells: analysis by cell-free translation. Gabrielli F. **Differentiation** 1981; 19(1):59–64

The growth inhibition in Friend erythroleukemia cells induces cycling of preexisting nonhistone proteins. Yancheva N, et al. **Eur J Biochem** 1982 Jan;121(2):309–16

Induction of cyclic AMP-dependent phosphorylation in cytosol of differentiating mouse erythroleukemia cell line 179. Emler CA, et al. **FEBS Lett** 1982 Jun 7;142(2):210–4

Butyrate does not induce single strand breaks in Friend erythroleukemia cells or in 3T6 mouse fibroblasts. Wintersberg E, et al. **FEBS Lett** 1982 Feb 22;138(2):218–20

Comparison of nuclear proteins of differentiation-induced and uninduced Friend erythroleukemia cells. Morioka K, et al. **J Biochem (Tokyo)** 1981 May;89(5):1633–8

The asparagine-linked sugar chains of plasma membrane glycoproteins of K-562 human leukaemic cells: a comparative study with human erythrocytes. Yoshima H, et al. **J Biochem (Tokyo)** 1982 Jan;91(1):233–46

Nuclear precursor molecules of the two beta-globin mRNAs in Friend erythroleukemia cells. Donaldson DS, et al. **J Biol Chem** 1982 Aug 10;257(15):8655–60

Effects of 5-bromo-2'-deoxyuridine on Friend erythroleukaemia cells. II. Oxidative metabolism and enzyme content of whole cells and isolated mitochondria. Walter RJ. **J Cell Sci** 1981 Dec;52:37–54

Induction of differentiation of Friend erythroleukemia cells with L histidinol. Kundahl E, et al. **Life Sci** 1981 Sep 21; 29(12):1203–5

Modification of lipophilic proteins in Friend erythroleukemia cells during their differentiation. Semmel M, et al. **Mol Biol Rep** 1981 Aug 14;7(4):247–52

Membrane protein redistribution during differentiation of cultured human erythroleukemic cells. Hunt RC, et al. **Mol Cell Biol** 1981 Dec;1(12):1150–62

HEL cells: a new human erythroleukemia cell line with spontaneous and induced globin expression. Martin P, et al. **Science** 1982 Jun 11;216(4551):1233–5

MICROBIOLOGY

Hyperplastic and neoplastic erythroproliferative diseases induced by oncogenic murine retroviruses. Scolnick EM. **Biochim Biophys Acta** 1982 Jun 28;651(4):273–83 (81 ref.)

Friend murine leukemia virus-induced leukemia is associated with the formation of mink cell focus-inducing viruses and is blocked in mice expressing endogenous mink cell focus-inducing xenotropic viral envelope genes. Ruscetti S, et al. **J Exp Med** 1981 Sep 1;154(3):907–20

Biological characteristics of type C viruses isolated from different Friend erythroleukaemic cells. Vinton EC, et al. **J Gen Virol** 1982 Mar;59(Pt 1):73–81

Analysis of viral RNA and proteins expressed by a non producer Friend erythroleukemia cell line (HFL/b cell line). Mathieu-Mahul D, et al. **Leuk Res** 1981; 5(4–5):399–411

PATHOLOGY

Acute myelofibrosis terminating in erythroleukemic state. Tada T, et al. **Am J Clin Pathol** 1982 Jul;78(1):102–4

Erythroblastic islands in erythroleukemia. Taher A, et al. **Am J Pediatr Hematol Oncol** 1981 Summer;3(2):121–5

Effect of dexamethasone on hexamethylene bisacetamide-induced Friend cell erythrodifferentiation. Osborne HB, et al. **Cancer Res** 1982 Feb;42(2):513–8

Cytochalasin B induces abnormal chromosome segregation in Friend erythroleukaemia cells. McMenamin M, et al. **Eur J Cell Biol** 1981 Aug;25(1):215–7

Beta 2 receptor-mediated stimulation of Friend erythroleukemia cell growth by thyroid hormones. Gauwerky CE, et al. **Exp Hematol** 1981 Sep;9(8):821–8

Radiobiology of a differentiating cell system in vitro. Borsa J, et al. **Int J Radiat Biol** 1982 Apr;41(4):369–88

Effects of 5-bromo-2'-deoxyuridine on Friend erythroleukaemia cells. I. Cell ultrastructure and morphometric analysis. Walter RJ. **J Cell Sci** 1981 Dec; 52:11–35

Friend disease in vitro. Dexter TM, et al. **J Exp Med** 1981 Sep 1;154(3):594–608

Induction of differentiation of leukemia cells in vitro by N-substituted amides, lactams, and 2-pyridones. Li C, et al. **J Med Chem** 1981 Sep;24(9):1092–4

Cyclic urea and thiourea derivatives as inducers of murine erythroleukemia differentiation. Li C, et al. **J Med Chem** 1981 Sep;24(9):1089–92

Co-expression of mouse and rat haemoglobins in interspecific hybrids of mouse and rat erythroleukemia cells. Greiser-Wilke I, et al. **Leuk Res** 1982;6(1):9–15

Lipophilic proteins of Friend erythroleukemia cells. Semmel M. **Mol Biol Rep** 1981 Aug 14;7(4):241–5

Differentiation of Friend erythroleukemic cells in media lacking fetal calf serum. Yancheva NY, et al. **Neoplasma** 1981;28(6):669–73

Chronic lymphatic leukaemia terminating as erythroleukaemia. Al-Hilali MM, et al. **Postgrad Med J** 1981 Sep;57(671):585–7

[A case of pure red cell aplasia terminated in erythroleukemia (author's transl)] Takahashi T, et al. **Rinsho Ketsueki** 1981 Oct;22(10):1572–80 (Eng. Abstr.) **(Jpn)**

PHYSIOPATHOLOGY

Changes in surface architecture during murine erythroleukemia cell differentiation as detected by lectin binding and agglutination. Sartorelli AC. **Biochim Biophys Acta** 1981 Nov 20;649(1):105–12

THERAPY

The effect of high doses of poly(I).poly(C) induced mouse L cell interferon on Rauscher leukemia virus induced erythroleukemia in BALB/c mice. Hekman RA, et al. **Int J Cancer** 1981;27(4):493–500

ERYTHROMELALGIA

CHEMICALLY INDUCED

Erythromelalgia-like eruption in parkinsonian patients treated with bromocriptine. Eisler T, et al. **Neurology (NY)** 1981 Oct;31(10):1368–70

ERYTHROMYCIN

[Effect of pretreatment with bacterial endotoxin on erythromycin estolate-induced cholestasis] Adinolfi L, et al. **Boll Soc Ital Biol Sper** 1981 Apr 30;57(8):900–3 (Eng. Abstr.) **(Ita)**

ADMINISTRATION & DOSAGE

Topical erythromycin vs blank vehicle in a multiclinic acne study. Jones EL, et al. **Arch Dermatol** 1981 Sep; 117(9):551–3

Infective endocarditis [letter] Duxbury AJ, et al. **Br Dent J** 1982 Mar;152(5):150–1

Pharmacokinetics of a new, microencapsulated erythromycin base after repeated oral doses. Josefsson K, et al. **Chemotherapy** 1982;28(3):176–84

The efficacy of a topical preparation containing erythromycin in the treatment of acne. Puschmann M, et al. **Dermatologica** 1982 May;164(5):343–9

Clinical trial of topical erythromycin in inflammatory acne. Prince RA, et al. **Drug Intell Clin Pharm** 1981 May; 15(5):372–6

Topical antibiotics [letter] Rapaport M. **Int J Dermatol** 1981 Nov;20(9):616–7

ADVERSE EFFECTS

Erythromycin-induced digoxin toxicity [letter] Friedman HS, et al. **Chest** 1982 Aug;82(2):202

Psychiatric complications with erythromycin. Cohen IJ, et al. **Drug Intell Clin Pharm** 1981 May;15(5):388

Correction to erythromycin ototoxicity [letter] Errick JK, et al. **Drug Intell Clin Pharm** 1981 Feb;15(2):133

Ototoxicity of erythromycin in peritoneal dialysis patients [letter] Taylor R, et al. **Lancet** 1981 Oct 24;2(8252):935–6

Erythromycin-carbamazepine interaction? [letter] Straughan J. **S Afr Med J** 1982 Mar 20;61(12):420–1

ANALOGS & DERIVATIVES

Erythromycin ethylsuccinate-induced cholestasis. Bachman BA, et al. **Am J Gastroenterol** 1982 Jun;77(6):397–400

Influence of study design in assessing food effects on absorption of erythromycin base and erythromycin stearate. DiSanto AR, et al. **Antimicrob Agents Chemother** 1981 Aug; 20(2):190–6

Pharmacokinetics of erythromycin ethylsuccinate and estolate in infants under 4 months of age. Patamasucon P, et al. **Antimicrob Agents Chemother** 1981 May; 19(5):736–9

Fluorimetric and microbiological assays of erythromycin concentrations in plasma and vaginal washings. Iliopoulou A, et al. **Br J Vener Dis** 1981 Aug;57(4):263–7

Hepatotoxicity to both erythromycin estolate and erythromycin ethylsuccinate. Keeffe EB, et al. **Dig Dis Sci** 1982 Aug;27(8):701–4

The penetration of erythromycin into Waldeyer's ring—tonsil and adenoid tissue. Sundberg L, et al. **Infection** 1982;10 Suppl 2:S105–7

The pharmacokinetics of two erythromycin esters in plasma and in saliva following oral administration in humans. Ducci M, et al. **Int J Clin Pharmacol Ther Toxicol** 1981 Nov;19(11):494–7

Comparison of serum erythromycin concentration following administration of 100 mg erythromycin ethyl succinate intramuscularly and 500 mg erythromycin stearate orally. McGimpsey JG, et al. **Int J Oral Surg** 1981;10(Suppl 1):198–202

The bioavailability of erythromycin stearate versus enteric-coated erythromycin base when taken immediately before and after food. Clayton D, et al. **J Int Med Res** 1981;9(6):470–7

Analysis of oral suspensions containing sulfonamides in combination with erythromycin ethylsuccinate. Elrod L Jr, et al. **J Pharm Sci** 1982 Feb;71(2):161–6

Gastrointestinal tract symptoms from intravenously administered erythromycin [letter] Klika LJ, et al. **JAMA** 1982 Sep 17;248(11):1309

[Blood concentrations and anti-Borrelia anserina activity of erythromycin salts in birds] Stoianova-Zaĭkova L, et al. **Vet Med Nauki** 1982;19(1):97–103 (Eng. Abstr.) **(Bul)**

[Acute ergotism caused by the interaction of erythromycin propionate and dihydroergotamine (letter)] Neveux E, et al. **Nouv Presse Med** 1981 Sep 26;10(34):2830 **(Fre)**

[Iatrogenic ergotism. Responsibility of an ergotamine tartrate-erythromycine propionate association (author's transl)] Collet AM, et al. **Sem Hop Paris** 1982 Jul 1; 58(26–27):1624–6 (Eng. Abstr.) **(Fre)**

[The pharmacokinetics of 1,000 mg erythromycin lactobionate i. v. in patients with respiratory tract infections (author's transl)] Sietzen W. **Infection** 1982;10 Suppl 2:S99–101 (Eng. Abstr.) **(Ger)**

[Hepatotoxic syndrome caused by erythromycin ethyl succinate (letter)] Cocchi P, et al. **Minerva Pediatr** 1982 Jan 31;34(1–2):68–9 **(Ita)**

BIOSYNTHESIS

Accumulation of 6-deoxyerythronolide B in a normal strain of Streptomyces erythreus and hydroxylation at carbon 6 of the erythranolide ring system by a soluble noninduced cell-free enzyme system. Corcoran JW, et al. **Biochemistry** 1982 Jan 19;21(2):263–9

Plasmid DNA in the erythromycin producing microorganism, Streptomyces erythreus NRRL 2338. Yi-guang W, et al. **J Antibiot (Tokyo)** 1982 Mar; 35(3):335–42

BLOOD

Erythromycin binding to human serum. Dette GA, et al. **Biochem Pharmacol** 1982 Mar 15;31(6):1081–7

Comparison of serum erythromycin concentration following administration of 100 mg erythromycin ethyl succinate intramuscularly and 500 mg erythromycin stearate orally. McGimpsey JG, et al. **Int J Oral Surg** 1981;10(Suppl 1):198–202

The bioavailability of erythromycin stearate versus enteric-coated erythromycin base when taken immediately before and after food. Clayton D, et al. **J Int Med Res** 1981;9(6):470–7

[The binding of erythromycin to proteins in the serum of humans during various infections (author's transl)] Barré J, et al. **Infection** 1982;10 Suppl 2:S113–5 (Eng. Abstr.) **(Ger)**

IMMUNOLOGY

[Effect of penicillin and erythromycin on immunity in angina] Liashenko Iul. **Antibiotiki** 1982 May;27(5):378–82 (Eng.

Abstr.) (Rus)

ISOLATION & PURIFICATION

A new naturally occurring erythromycin: erythromycin F. Martin JR, et al. **J Antibiot (Tokyo)** 1982 Apr;35(4):426–30

METABOLISM

Tissue penetration of erythromycin in Waldeyer's ring and bacteriology of secretory otitis media. Sundberg L, et al. **Acta Otolaryngol [Suppl] (Stockh)** 1981;384:1–27

Influence of study design in assessing food effects on absorption of erythromycin base and erythromycin stearate. DiSanto AR, et al. **Antimicrob Agents Chemother** 1981 Aug; 20(2):190–6

Pharmacokinetics of single-dose erythromycin in normal and alcoholic liver disease subjects. Kroboth PD, et al. **Antimicrob Agents Chemother** 1982 Jan;21(1):135–40

Competition between erythromycin and virginiamycin for in vitro binding to the large ribosomal subunit. Parfait R, et al. **Biochim Biophys Acta** 1981 Jul 27;654(2):236–41

Dose-related pharmacokinetics after oral administration of a new formulation of erythromycin base. Josefsson K, et al. **Br J Clin Pharmacol** 1982 May;13(5):685–91

Absorption and bioavailability of oral erythromycin. Mather LE, et al. **Br J Clin Pharmacol** 1981 Aug;12(2):131–40

The penetration of erythromycin into the middle ear. Sundberg L, et al. **Infection** 1982;10 Suppl 2:S102–4

Levels of erythromycin in pulmonary tissue and bronchial mucus compared to those of amoxycillin. Brun Y, et al. **J Antimicrob Chemother** 1981 Dec;8(6):459–66

Pharmacokinetics of erythromycin in normal and alcoholic liver disease subjects. Hall KW, et al. **J Clin Pharmacol** 1982 Jul;22(7):321–5

Absorption of erythromycin from pediatric suspension in infants and children. Eriksson M, et al. **Scand J Infect Dis** 1981;13(3):211–5

[Bioavailability of erythromycin and colistin in calves (author's transl)] Escoula L, et al. **Ann Rech Vet** 1981; 12(3):321–6 (Eng. Abstr.) (Fre)

[Concentrations of erythromycin and amoxicillin in tonsil and sinus tissues of patients with tonsillitis and sinusitis. A comparison (author's transl)] Bienk H, et al. **Infection** 1982; 10 Suppl 2:S108–12 (Eng. Abstr.) (Ger)

[Binding, distribution and efficacy of erythromycin (author's transl)] Dette GA. **Infection** 1982;10 Suppl 2:S92–8 (Eng. Abstr.) (Ger)

PHARMACODYNAMICS

Type 6A pneumococcus resistant to lincomycin and tetracycline, and highly resistant to erythromycin [letter] Figura N, et al. **Ann Sclavo** 1981 Jul–Aug;23(4):486–7

Effect of carbon dioxide on in vitro susceptibility of anaerobic bacteria to erythromycin. Goldstein EJ, et al. **Antimicrob Agents Chemother** 1981 Dec;20(6):705–8

Susceptibility of Shigella species to erythromycin. Greenberg RN, et al. **Antimicrob Agents Chemother** 1982 Feb; 21(2):347–8

Susceptibility of group A beta-hemolytic Streptococcus isolates to penicillin and erythromycin. Istre GR, et al. **Antimicrob Agents Chemother** 1981 Aug;20(2):244–6

Resistance to tetracycline, erythromycin, and clindamycin in the Bacteroides fragilis group: inducible versus constitutive tetracycline resistance. Privitera G, et al. **Antimicrob Agents Chemother** 1981 Sep;20(3):314–20

Standardized method for determining antimicrobial susceptibility of strains of Ureaplasma urealyticum and their response to tetracycline, erythromycin, and rosaramicin. Robertson JA, et al. **Antimicrob Agents Chemother** 1981 Jul;20(1):53–8

Effect of clindamycin, erythromycin, lincomycin, and tetracycline on growth and extracellular lipase production by propionibacteria in vitro. Unkles SE, et al. **Antimicrob Agents Chemother** 1982 Jan;21(1):39–43

Inhibitory action of erythromycin on protein biosynthesis by isolated polyribosomes. Otaka T, et al. **Arch Biochem Biophys** 1982 Apr 1;214(2):846–9

The effect of erythromycin on theophylline pharmacokinetics at steady state. Maddux MS, et al. **Chest** 1982 May; 81(5):563–5

Depression of theophylline elimination by erythromycin. Renton KW, et al. **Clin Pharmacol Ther** 1981 Sep; 30(3):422–6

The effects of erythromycin on the absorption and disposition of kinetics of theophylline. Branigan TA, et al. **Eur J Clin Pharmacol** 1981;21(2):115–20

Growth inhibition and morphologic modulation of human fibroblastlike cells by erythromycin. Martinez AO, et al. **In Vitro** 1981 Nov;17(11):979–84

Effect of erythromycin on theophylline kinetics. Prince RA, et al. **J Allergy Clin Immunol** 1981 Dec;68(6):427–31

Growth kinetics of respiratory pathogens after short exposures to ampicillin and erythromycin in vitro. Gerber AU, et al. **J Antimicrob Chemother** 1981 Nov;8 Suppl C:81–91

Susceptibility of Campylobacter fetus subsp. jejuni, isolated from patients in Jakarta, Indonesia to ten antimicrobial agents. Ringertz S, et al. **J Antimicrob Chemother** 1981 Oct; 8(4):333–6

Effects of erythromycin on cellular and humoral immune functions in vitro and in vivo. van Rensburg CE, et al. **J Antimicrob Chemother** 1981 Dec;8(6):467–74

Characterization of pBFTM10, a clindamycin–erythromycin resistance transfer factor from Bacteroides fragilis. Tally FP, et al. **J Bacteriol** 1982 Aug;151(2):686–91

The effects of erythromycin on theophylline elimination in normal males. May DC, et al. **J Clin Pharmacol** 1982 Feb–Mar;22(2–3):125–30

Effect of erythromycin on the fecal excretion of Campylobacter fetus subspecies jejuni. Pitkanen T, et al. **J Infect Dis** 1982 Jan;145(1):128

A seminar on antibiotics VII erythromycin and clindamycin. Rhoades ER. **J Okla State Med Assoc** 1981 Mar;74(3):71–4

Erythromycin. Gribble MJ, et al. **Med Clin North Am** 1982 Jan;66(1):79–89 (90 ref.)

Activity of erythromycin against Haemophilus influenzae from respiratory tract infections. Aldons PM, et al. **Med J Aust** 1981 Sep 5;2(5):252, 254

The control region for erythromycin resistance: free energy changes related to induction and mutation to constitutive expression. Horinouchi S, et al. **MGG** 1981;182(2):341–8

Group A beta-hemolytic streptococcal pharyngitis resistant to erythromycin: case report. Boulter MJ. **Milit Med** 1982 Jan;147(1):62–3

Characterization of a plasmid-specified ribosome methylase associated with macrolide resistance. Shivakumar AG, et al. **Nucleic Acids Res** 1981 Jun 11;9(11):2549–62

Quantitative structure–activity relationships in erythromycin group with MTD technique. Bojarska-Dahlig H, et al. **Pol J Pharmacol Pharm** 1981 Oct;33(3):359–63

Steady state urinary excretion of theophylline and its metabolites in the presence of erythromycin. Melethil S, et al. **Res Commun Chem Pathol Pharmacol** 1982 Feb; 35(2):341–4

Influence of erythromycin on the normal human flora and colonization of the oral cavity, throat and colon. Heimdahl A, et al. **Scand J Infect Dis** 1982;14(1):49–56

[In-vitro sensitivity of Neisseria gonorrhoeae against erythromycin and treatment of gonorrhea with Lubomycin B-capsules (author's transl)] Müller G, et al. **Dermatol Monatsschr** 1981 Nov;167(11):672–4 (Eng. Abstr.) (Ger)

[Actual resistance of Staphylococcus aureus: beta-Lactamase production and susceptibility to various penicillins and erythromycin (author's transl)] Haller I, et al. **Zentral Bakteriol Mikrobiol Hyg [A]** 1982 Apr; 251(4):479–86 (Eng. Abstr.) (Ger)

[Sensitivities of clinical isolates to lincomycin and macrolide-type antibiotics (author's transl)] Deguchi K. **Jpn J Antibiot** 1981 Mar;34(3):419–24 (Eng. Abstr.) (Jpn)

[Cooperative functioning of 2 systems of protection against its own antibiotic in Str. erythreus 1571, a superproducer of erythromycin] Griaznova NS, et al. **Antibiotiki** 1982 Feb; 27(2):105–17 (Eng. Abstr.) (Rus)

STANDARDS

The second international standard for erythromycin. Lightbown JW, et al. **J Biol Stand** 1981;9(3):209–26

THERAPEUTIC USE

Oral v topical erythromycin therapies for chlamydial conjunctivitis. Patamasucon P, et al. **Am J Dis Child** 1982 Sep;136(9):817–21

Successful treatment of Legionella micdadei (Pittsburgh pneumonia agent) pneumonia with erythromycin. Wing EJ, et al. **Am J Med** 1981 Nov;71(5):836–40

Reduction of the aerobic Gram negative bacterial flora of the gastro-intestinal tract and prevention of traveller's diarrhea using oral erythromycin. Andremont A, et al. **Ann Microbiol (Paris)** 1981 Nov–Dec;132 B(3):419–27

Acne vulgaris--its actiology and treatment. A review. Cunliffe WJ, et al. **Clin Exp Dermatol** 1981 Sep;6(5):461–9

Theophylline kinetics and ventilatory flow in bronchial asthma and chronic airflow obstruction: influence of erythromycin. Richer C, et al. **Clin Pharmacol Ther** 1982 May;31(5):579–86

Evaluation of the clinical efficacy of erythromycin, amoxicillin and co-trimoxazole in the treatment of acute respiratory tract infections in paediatric patients. Bottone E, et al. **Curr Med Res Opin** 1982;8(2):67–74

Comparison of topical erythromycin 1.5 percent solution versus topical clindamycin phosphate 1.0 percent solution in the treatment of acne vulgaris. Thomas DR, et al. **Cutis** 1982 Jun;29(6):624–5, 628–32

Erythromycin (2 X 1 g) as a Regimen for community-acquired pneumonia. Simmen HP, et al. **Infection** 1982;10 Suppl 2:S84–5

Erythromycin in legionnaires' disease: a re-appraisal. Miller AC. **J Antimicrob Chemother** 1981 Mar;7(3):217–22

Primary closure of abscesses: clindamycin or erythromycin. Howie CR, et al. **J R Coll Surg Edinb** 1982 Jan;27(1):9–12

Double-blind placebo controlled trial of erythromycin for treatment of Campylobacter enteritis. Anders BJ, et al. **Lancet** 1982 Jan 16;1(8264):131–2

Chloramphenicol, erythromycin, vancomycin, tetracyclines. Kucers A. **Lancet** 1982 Aug 21;2(8295):425–9

Limitations of erythromycin in whooping cough [letter] Henry R, et al. **Med J Aust** 1981 Jul 25;2(2):108–9

Antimicrobial therapy in whooping cough. Henry RL, et al. **Med J Aust** 1981 Jul 11;2(1):27–8

Antibiotics and asthma therapy [letter] Hamilton W. **NZ Med J** 1981 Dec 9;94(697):433

Treatment of chancroid with erythromycin. Carpenter JL, et al. **Sex Transm Dis** 1981 Jul–Sep;8(3):192–7

Failure of oral erythromycin therapy for Legionnaires' disease in a renal transplant recipient. Hays JH, et al. **South Med J** 1981 Nov;74(11):1422–3

Intestinal antisepsis: rationale and results. Condon RE. **World J Surg** 1982 Mar;6(2):182–7

[Erythromycin in the treatment of syphilis (author's transl)] Hamáková K, et al. **Cesk Dermatol** 1981 Dec;56(6):387–90 (Eng. Abstr.) (Cze)

[Effect of a secretolytic agent (bromhexine) on the penetration of erythromycin into bronchial secretions] Bergogne-Berezin E, et al. **Fortschr Med** 1982 Jun 24; 100(24):1169–71 (Eng. Abstr.) (Ger)

[Erythromycin versus amoxicillin for the treatment of pneumonia in children (author's transl)] Ruhrmann H, et al. **Infection** 1982;10 Suppl 2:S86–91 (Eng. Abstr.) (Ger)

[Topical treatment of acne vulgaris with erythromycin and benzoylperoxide (author's transl)] Gloor M, et al. **Z Hautkr** 1982 Jun 15;57(12):867–78 (Eng. Abstr.) (Ger)

[Local acne therapy with erythromycin] Schmidt JB, et al. **Z Hautkr** 1982 Jan 15;57(2):69–77 (Eng. Abstr.) (Ger)

[Evaluation of pertussis therapy with specific gammaglobulins and erythromycin in the fist year of life (author's transl)] Izzi G, et al. **Pediatr Med Chir** 1981 Jul–Aug;3(4):283–6 (Ita)

[Preparation of the color for surgery with neomycin and erythromycin] Klug WA, et al. **AMB** 1981 Jun;27(6):185–6 (Eng. Abstr.) (Por)

[Microbiological substantiation of the use of erycycline in the therapy of chronic pyoderma] Bukharovich AM. **Antibiotiki** 1982 Mar;27(3):199–202 (Eng. Abstr.) (Rus)

[Erythromycin in the modern antibiotic therapy of bacterial infections (a review lecture)] Kuznetsova SM. **Antibiotiki** 1982 May;27(5):365–72 (Rus)

TOXICITY

Effects of erythromycin on Euglena gracilis as a model for testing the toxicity of antibacterial drugs. Fasulo MP, et al. **Arzneimittelforsch** 1981;31(11):1869–72

ERYTHROMYCIN ESTOLATE see under **ERYTHROMYCIN**

ERYTHROPLASIA

ETIOLOGY

Erythroplasia of Queyrat in a partially circumcised man [letter] Milstein HG. **J Am Acad Dermatol** 1982 Mar; 6(3):398

FAMILIAL & GENETIC

Familial carcinoma of penis. Raney AM, et al. **NY State J Med** 1981 Nov;81(12):1786–7

SURGERY

Zoon's (plasma-cell) balanitis: treatment by circumcision. Sonnex TS, et al. **Br J Dermatol** 1982 May;106(5):585–8

ERYTHROPOIESIS

An electron microscopic study of erythropoiesis in fetal and neonatal rabbits. Hertzberg C, et al. **Acta Anat (Basel)** 1981; 110(2):164–72

Control of globin gene expression in mouse yolk sac erythroid cells. Fantoni A, et al. **Acta Biol Med Ger** 1981; 40(4–5):499–503

Creatine in red cells: transport and erythropoietic dynamics. Syllm-Rapoport I, et al. **Acta Biol Med Ger** 1981; 40(4–5):653–9

Serum ferritin during the course of chronic myeloid leukemia. Increase of serum ferritin as a marker of dyserythropoiesis. Lang JM, et al. **Acta Haematol (Basel)** 1982;67(3):145–9

T cell and monocyte requirements for erythropoiesis. Linch DC, et al. **Acta Haematol (Basel)** 1982;67(1):34–8

Monosomy 7 in a patient with pancytopenia and abnormal erythropoiesis. Najfeld V, et al. **Acta Haematol (Basel)** 1981;66(1):12–8

Creatine in density-fractionated red cells, a useful indicator of erythropoietic dynamics and of hypoxia past and present. Syllm-Rapoport I, et al. **Acta Haematol (Basel)** 1981; 66(2):86–95

Foetal haemopoiesis during the hepatic period. III. Erythroid cell kinetics. Nessi AC, et al. **Acta Physiol Lat Am** 1980; 30(2):101–9

Acute hypocalcemia and erythropoiesis in the mouse. Scaro JL, et al. **Acta Physiol Lat Am** 1980;30(2):125–31

Erythropoietin and the inhibitor of erythropoiesis in the amniotic fluid during the first trimester of normal human pregnancy. Lazewska M. **Acta Physiol Pol** 1981 May–Jun; 32(3):327–32

Effects of pregnancy on erythropoiesis in the splenic red pulp of the mouse: a quantitative electron microscopic study. Sasaki K, et al. **Arch Histol Jpn** 1981 Nov;44(5):429–38

Loss of endogenous nuclear protein A24 lyase activity during chicken erythropoiesis. Goldknopf IL, et al. **Biochem Biophys Res Commun** 1981 Jun;100(4):1464–70

Isolation of an acid protease from rabbit reticulocytes and evidence for its role in processing redox proteins during erythroid maturation. Schafer DA, et al.

Biochem Biophys Res Commun 1981 Jun;100(4):1555–61

The association of prostaglandins E2 and F2 alpha with erythropoiesis regulatory factors. Grenett HE, et al. **Biochem Med** 1982 Feb;27(1):26–36

Increased erythropoiesis in embryonic spleen of polycythemic mice. An indicator for erythropoietin production by the embryo. Notti I, et al. **Biol Neonate** 1981; 40(5–6):269–75

Proliferative effect of burst-promoting activity upon early erythroid progenitors. Brockbank KG. **Biomedicine** 1981 Dec;34(4):184–8

Erythropoiesis in ha/ha and sph/sph mice, mutants which produce spectrin-deficient erythrocytes. Brookoff D, et al. **Blood** 1982 Mar;59(3):646–51

Maintenance of fetal hemoglobin (HbF) elevations in the baboon by prolonged erythropoietic stress. DeSimone J, et al. **Blood** 1982 Aug;60(2):519–23

Mode of action of the IgG inhibitor of erythropoiesis in transient erythroblastopenia of children. Dessypris EN, et al. **Blood** 1982 Jan;59(1):114–23

Molecular and cell biologic aspects of erythropoiesis in long-term bone marrow cultures. Dexter TM, et al. **Blood** 1981 Oct;58(4):699–707

Human leukemia cell line K562 responds to erythroid-potentiating activity. Gauwerky CE, et al. **Blood** 1982 Feb;59(2):300–5

Congenital erythropoietic porphyria, diminished activity of uroporphyrinogen decarboxylase and dyserythropoiesis. Kushner JP, et al. **Blood** 1982 Apr;59(4):725–37

Erythropoiesis and lymphopoiesis in the chick yolk-sac–embryo chimeras: contribution of yolk sac and intraembryonic stem cells. Lassila O, et al. **Blood** 1982 Feb; 59(2):377–81

The presence within single K-562 cells of erythropoietic and granulopoietic differentiation markers. Marie JP, et al. **Blood** 1981 Oct;58(4):708–11

Clonal origin of human erythro-eosinophilic colonies in culture. Nakahata T, et al. **Blood** 1982 Apr;59(4):857–64

Decreased number of circulating BFU-Es in paroxysmal nocturnal hemoglobinuria. Rotoli B, et al. **Blood** 1982 Jul; 60(1):157–9

A simple in vitro method for the assessment of ineffective erythropoiesis. Samson D, et al. **Blood** 1981 Oct;58(4):782–7

Dynamics of red cell egress from bone marrow after blood letting. Aoki M, et al. **Br J Haematol** 1981 Nov; 49(3):337–47

Erythropoiesis in the anaemia of rheumatoid arthritis. Cavill I, et al. **Br J Haematol** 1982 Apr;50(4):583–90

Quantitative evaluation of erythropoietic activity in dysmyelopoietic syndromes. Cazzola M, et al. **Br J Haematol** 1982 Jan;50(1):55–62

Genetic relationship between fetal Hb levels in normal and erythropoietically stressed baboons. DeSimone J, et al. **Br J Haematol** 1981 Oct;49(2):175–83

Decreased erythropoiesis: the origin of the BCG induced anaemia in mice. Marchal G, et al. **Br J Haematol** 1981 Aug;48(4):551–60

Transient dyserythropoiesis in repopulated human bone marrow following transplantation: an ultrastructural study. Rozman C, et al. **Br J Haematol** 1982 Jan;50(1):63–73

Morphology and kinetics of erythropoiesis in haemoglobin H disease. Wickramasinghe SN, et al. **Br J Haematol** 1981 Oct;49(2):185–8

In vitro suppression of erythropoiesis by bone marrow adherent cells from some patients with fungal infection. Zanjani ED, et al. **Br J Haematol** 1982 Mar;50(3):479–90

Harvey and Kirsten sarcoma viruses promote the growth and differentiation of erythroid precursor cells in vitro. Hankins WD, et al. **Cell** 1981 Oct;26(1 Pt 1):91–7

An HMBA-resistant and heme-synthesizing variant clone of Friend leukemia cells. Di Girolamo A, et al. **Cell Differ** 1982 Apr;11(2):71–80

Kinetics and cellularity of erythroblasts in the growing rat. Dörmer P, et al. **Cell Tissue Kinet** 1982 May;15(3):295–303

Velocity sedimentation profiles of normal and regenerating primitive erythroid burst-forming units: relation to phase of cell cycle and growth in vitro. Koury MJ, et al. **Cell Tissue Kinet** 1982 Jan;15(1):59–67

Continuous maturation of proliferating erythroid precursors. Mackey MC, et al. **Cell Tissue Kinet** 1982 Jul;15(4):381–92

A quantitative ultrastructural study of normal rat erythroblasts and reticulocytes. Heynen MJ, et al. **Cell Tissue Res** 1982;224(2):397–408

Differentiation and viral involvement in differentiation of transformed mouse and rat erythroid cells. Ostertag W, et al. **Curr Top Microbiol Immunol** 1981;94–95:143–208 (274 ref.)

The effect of hexamethylene-bis-acetamide on multiparameter analysis of Friend leukemia cells. Mishal Z, et al. **Cytometry** 1981 Nov;2(3):165–9

Developmental changes in erythropoietin responsiveness of late erythroid precursors in mouse hemopoietic organs. Kanamaru A, et al. **Dev Biol** 1982 Jul;92(1):221–6

Ultrastructural aspects of erythropoietic differentiation in long-term bone marrow culture. Allen TD, et al. **Differentiation** 1982;21(2):86–94

The role of the androgen receptor in erythropoiesis. Besa EC, et al. **Endocrinology** 1981 Dec;109(6):1983–9

Studies on the erythropoietic effect of testis of toad at a simulated high altitude (hypoxic exposure). Boral MC, et al. **Endokrinologie** 1981 Oct;78(1):35–40

Enucleation eliminates a differentiation-specific surface marker from normal and leukemic murine erythroid cells. Schlegel RA, et al. **Exp Cell Res** 1982 Jun;139(2):321–8

The regulation of hemopoiesis in long-term bone marrow cultures. III. The role of burst forming activity. Eliason JF, et al. **Exp Hematol** 1982 May;10(5):444–50

The role of erythropoietin in erythroid colony formation from Rauscher leukemia virus-infected mice. Gallicchio VS, et al. **Exp Hematol** 1981 Oct;9(9):938–44

Pluripotent, erythrocytic and granulocytic hemopoietic precursors in chronic granulocytic leukemia. Hara H, et al. **Exp Hematol** 1981 Sep;9(8):871–7

A micro agar culture system for cloning human erythropoietic progenitors in vitro. Konwalinka G, et al. **Exp Hematol** 1982 Jan;10(1):71–7

Lack of erythroid burst-promoting activity in the media conditioned by eleven human T cell leukemia-lymphoma cell lines. Kubota K, et al. **Exp Hematol** 1982 Jan; 10(1):130–2

In vitro bioassay of erythropoietin using synchronized rabbit erythroid precursors. Manor D, et al. **Exp Hematol** 1982 Feb;10(2):241–6

Erythropoietic stimulation enhances, and erythropoietic inhibition suppresses, multidirectional differentiation in 4-day transient endogenous spleen colonies. Wiktor-Jedrzejczak W. **Experientia** 1981;37(9):1024–6

Mesangial cells derived from rat glomeruli produce an erythropoiesis stimulating factor in cell culture. Kurtz A, et al. **FEBS Lett** 1982 Jan 11;137(1):129–32

A simple, serum-free system for the study of erythropoiesis in short-term suspension cultures. Do N, et al. **Haematologica (Pavia)** 1982 Apr;67(2):169–76

Erythropoiesis in protein deficiency: a ferrokinetic study in male albino rats. Singhal V, et al. **Indian J Exp Biol** 1981 Jun;19(6):577–9

Calcium regulates the commitment of murine erythroleukemia cells to terminal erythroid differentiation. Bridges K, et al. **J Cell Biol** 1981 Aug;90(2):542–4

Isoenzymes of lactate dehydrogenase in human leukemic cells in culture treated with inducers of differentiation. Pantazis P, et al. **J Cell Biol** 1981 Aug;90(2):396–401

Terminal differentiation of murine erythroleukemia cells: physical stabilization of end-stage cells. Volloch V, et al. **J Cell Biol** 1982 May;93(2):390–4

Gene controlled negative regulation of DNA synthesis in erythropoietic progenitor cells. Axelrad A, et al. **J Cell Physiol** 1982;Suppl 1:165–73

Erythroblast cell lines transformed by a temperature-sensitive mutant of avian erythroblastosis virus: a model system to study erythroid differentiation in vitro. Beug H, et al. **J Cell Physiol** 1982;Suppl 1:195–207

Stromal cell associated haemopoiesis. Dexter TM. **J Cell Physiol** 1982;Suppl 1:87–94 (61 ref.)

Some thoughts on the nature of erythropoietin-responsive cells. Goldwasser E. **J Cell Physiol** 1982;Suppl 1:133–5

Differentiation and 'renewal' of multipotential cells in vitro. Johnson GR, et al. **J Cell Physiol** 1982;Suppl 1:23–30

Small nuclear RNAs in cellular growth and differentiation. I: metabolic alterations seen in Friend erythroleukemic cells. Kuncio GS, et al. **J Cell Physiol** 1981 Nov; 109(2):235–41

Human hemoglobin switching: insights from studies of erythroid cultures. Papayannopoulou T, et al. **J Cell Physiol** 1982;Suppl 1:145–9

Polycythemia vera: studies of hemopoiesis in continuous long-term culture of human marrow. Powell JS, et al. **J Cell Physiol** 1982;Suppl 1:79–85

Regulation of pluripotent stem cell proliferation and differentiation: the role of long-range humoral factors. Tubiana M, et al. **J Cell Physiol** 1982;Suppl 1:13–21

The interaction of Trypanosoma congolense and Haemonchus contortus infections in 2 breeds of goat. 2. Haematology. Griffin L, et al. **J Comp Pathol** 1981 Jan; 91(1):97–103

Early erythropoiesis in foetal rat bone marrow: evidence for a liver-to-bone marrow relay. Nagel MD, et al. **J Embryol Exp Morphol** 1981 Aug;64:275–93

Erythropoiesis and haemoglobin ontogeny in the turtle Emys orbicularis L. Vasse J, et al. **J Embryol Exp Morphol** 1981 Apr;62:129–38

Tolerance and autoimmunity to erythroid differentiation (B-G) major histocompatibility complex alloantigens of the chicken. Havele C, et al. **J Exp Med** 1982 Aug 1; 156(2):321–36

Modulation of erythropoiesis by the helper-independent Friend leukemia virus F-MuLV. Niho Y, et al. **J Exp Med** 1982 Jul 1;156(1):146–58

Erythroleukemia induction by Friend leukemia virus. A host gene locus controlling early anemia or polycythemia and the rate of proliferation of late erythroid cells. Shibuya T, et al. **J Exp Med** 1982 Aug 1;156(2):398–414

Study of maturation of membrane transport function in red blood cells by X-ray microanalysis. Lee P, et al. **J Membr Biol** 1982;67(2):103–11

Member-associated changes during erythropoiesis. On the mechanism of maturation of reticulocytes to erythrocytes. Zweig SE, et al. **J Supramol Struct Cell Biochem** 1981; 17(2):163–81

Friend erythroleukemia virus complex: role of viral components in modifying erythroid differentiation in mice. Fagg B, et al. **JNCI** 1982 Mar;68(3):457–60

Autograft of renal tissue to preserve erythropoietic function [letter] Caralps A, et al. **Lancet** 1982 Sep 4;2(8297):563

Formes frustes in myeloproliferative disorders. Identification by the growth of an endogenous erythroid clone in vitro in patients with arterial vascular disease. Reid CD, et al. **Lancet** 1982 Jan 2;1(8262):14–5

Stem cell regulation in erythropoiesis [news] Harrison PR. **Nature** 1982 Feb 11;295(5849):454–5

Selective effect of feline leukaemia virus on early erythroid precursors. Onions D, et al. **Nature** 1982 Mar 11; 296(5853):156–8

Modulation of in vitro BFU-E growth by normal Ia-positive T cells is restricted by HLA-DR. Torok-Storb B, et al. **Nature** 1982 Jul 29;298(5873):473–4

The newt as a model for studying dyserythropoiesis. Garavini C. **Naturwissenschaften** 1981 Aug;68(8):432–3

Acute hepatitis and erythropoiesis in chronically haemodialyzed patients [letter] Brunois JP, et al. **Nephron** 1981;28(3):152–3

Uremia and the liver. I. The liver and erythropoiesis in chronic renal failure. Meyrier A, et al. **Nephron** 1981; 29(1–2):3–6

Marked improvement of erythropoiesis in an anephric patient. Pololi-Anagnostou L, et al. **Nephron** 1981; 29(5–6):277–9

Myeloid and megakaryocytic precursors in the bone marrow and spleen in altered erythropoiesis. Dan K, et al. **Nippon Ketsueki Gakkai Zasshi** 1982 Feb;45(1):50–5

Red cell production and destruction in primary myelofibrosis with reference to the neutrophil and platelet kinetics. Uchida T, et al. **Nippon Ketsueki Gakkai Zasshi** 1981 Feb; 44(1):31–6

Red cell production and destruction in chronic myelocytic leukemia with reference to the neutrophil kinetics. Uchida T, et al. **Nippon Ketsueki Gakkai Zasshi** 1981 Feb; 44(1):24–30

Diamond-Blackfan syndrome. I. Erythropoiesis in prednisone responsive and resistant disease. Chan HS, et al. **Pediatr Res** 1982 Jun;16(6):474–6

Impaired erythropoiesis. Samson DM. **Practitioner** 1982 Jan; 226(1363):45–57

Murine erythroleukemia cell differentiation: DNase I hypersensitivity and DNA methylation near the globin genes. Sheffery M, et al. **Proc Natl Acad Sci USA** 1982 Feb;79(4):1180–4

Adult hemoglobins are synthesized in erythroid colonies in vitro derived from murine circulating hemopoietic progenitor cells during embryonic development. Wong PM, et al. **Proc Natl Acad Sci USA** 1982 May;79(9):2952–6

The thymus and haemopoiesis. Kendall MD. **Prog Clin Biol Res** 1981;59B:221–30

Chronobiological aspects of bone marrow and blood cells. Laerum OD, et al. **Prog Clin Biol Res** 1981;59C(00):87–97

The blood volumes and erythrokinetics of Ndama and Zebu cattle experimentally infected with Trypanosoma brucei. Dargie JD, et al. **Res Vet Sci** 1979 Mar;26(2):245–7

Postnatal regulation of oxygen delivery: control of erythropoiesis following birth in dogs. Mueggler PA, et al. **Respir Physiol** 1981 Mar;43(3):189–96

Erythrocytosis associated with a dermoid cyst of the ovary and erythropoietic activity of the tumour fluid. Ghio R, et al. **Scand J Haematol** 1981 Aug;27(2):70–4

Erythropoiesis in hairy cell leukaemia: a true erythroid failure. Orlandi E, et al. **Scand J Haematol** 1982 Feb; 28(2):97–102

Nondiscrete heterogeneity of human blood cells. 1. Volume heterogeneity as a reflection of the quality of erythropoiesis. Bessman JD. **Tex Rep Biol Med** 1980–81; 40:465–9

Protease modification enhances anti-D binding to nucleated red blood cell precursors. Rearden A, et al. **Vox Sang** 1981 Sep;41(3):160–4

[Erythropoiesis inhibitors removed by hemofiltration in renal insufficiency (author's transl)] Andreux JP, et al. **Ann Pharm Fr** 1981;39(4):319–26 (Eng. Abstr.) **(Fre)**

[Recurrent primary erythroblastopenia in adults. Possible suppressive role of mononuclear blood cells on erythropoiesis] Turpin F, et al. **Rev Med Interne** 1981; 2(4):395–400 (Eng. Abstr.) **(Fre)**

[Erythropoiesis in immature cell leukemias] Marti HR. **Folia Haematol (Leipz)** 1981;108(2):169–72 (14 ref.) **(Ger)**

[Maturation processes in the plasmalemma of erythroid cells] Linss W, et al. **Gegenbaurs Morphol Jahrb** 1981; 127(5):601–4 (Eng. Abstr.) **(Ger)**

[Marked medullary siderosis and sideroblastosis in erythropoietic recovery in acute lymphocytic leukemia in a 3-year-old girl] Spremolla G, et al. **Minerva Pediatr** 1981 Oct 15;33(19):965–8 (Eng. Abstr.) **(Ita)**

[Thyrotoxicosis and ineffective erythropoesis (news)] Fantoli u. **Recenti Prog Med** 1981 Feb;70(2):214–5 **(Ita)**

[Erythrocytic stem cells] Mizoguchi H. **Rinsho Byori** 1981 Jun;(46 Suppl):129–38 **(Jpn)**

[Pathophysiology of the regulation of erythropoiesis and aplastic anemia] Kuratowska Z. **Pol Tyg Lek** 1982 Apr 26;37(8):231–4 **(Pol)**

[Physiological mechanisms of hypothalamic influence on the erychron] Moiseeva OI, et al. **Fiziol Zh SSSR** 1982 Jan; 68(1):39–44 (Eng. Abstr.) **(Rus)**

[Cytokinetic evaluation of erythropoiesis on prolonged orbital flights] Iliukhin AV, et al. **Kosm Biol Aviakosm Med** 1981 Nov-Dec;15(6):42–6 (Eng. Abstr.) **(Rus)**

[Concentration of erythrocyte proteins in serum and their

functional significance] Neustroev GV. **Patol Fiziol Eksp Ter** 1982 Jan-Feb;(1):56-9 (Eng. Abstr.) **(Rus)**

[Dynamics of the erythrokinetics changes in viral hepatitis in children] Iusupova DKh. **Pediatriia** 1981 Jul;(7):22-3 **(Rus)**

[Role of the lymphocytes in regulating erythropoiesis] Dygai AM, et al. **Probl Gematol Pereliv Krovi** 1982 Feb; 27(2):39-42 (Eng. Abstr.) **(Rus)**

[Erythropoietic characteristics in iron-deficiency anemia] Sukiasova TG, et al. **Probl Gematol Pereliv Krovi** 1982 Feb; 27(2):11-3 (Eng. Abstr.) **(Rus)**

[Hematopoietic stem cell count in mice with stimulated and suppressed erythropoiesis. I. Blood loss and acute hypoxia] Zhuravkin IN, et al. **Tsitologiia** 1982 Feb;24(2):200-5 (Eng. Abstr.) **(Rus)**

[Hematopoietic stem cell count in mice with stimulated and suppressed erythropoiesis. II. Hypertransfusion of syngeneic erythrocytes and chronic hypoxia] Zhuravkin IN, et al. **Tsitologiia** 1982 Mar;24(3):340-4 (Eng. Abstr.) **(Rus)**

[Erythropoietic protoporphyria. Report of four cases] García Pérez A, et al. **Actas Dermosifiliogr** 1981 Mar-Apr; 72(3-4):111-8 (Eng. Abstr.) **(Spa)**

DRUG EFFECTS

Muconaldehyde, a potential toxic intermediate of benzene metabolism. Goldstein BD, et al. **Adv Exp Med Biol** 1981; 136 Pt A:331-9

Metabolic correlates of benzene toxicity. Snyder R, et al. **Adv Exp Med Biol** 1981;136 Pt A:245-56

Increased synthesis and concentration of dolichyl phosphate in mouse spleens during phenylhydrazine-induced erythropoiesis. Potter JE, et al. **Biochem Biophys Res Commun** 1982 Jun 15;106(3):691-6

Effect of modulators of erythropoiesis on the hemoglobinization of human erythroid cell cultures. Clarke BJ, et al. **Blood** 1982 Aug;60(2):346-51

Surface membrane vesicles from mononuclear cells stimulate erythroid stem cells to proliferate in culture. Dainiak N, et al. **Blood** 1982 Sep;60(3):583-94

Endotoxin-induced suppression of erythropoiesis: the role of erythropoietin and a heme synthesis stimulating factor. Udupa KB, et al. **Blood** 1982 Jun;59(6):1267-71

Canine cyclic haematopoiesis: the effect of endotoxin on erythropoiesis. Hammond WP, et al. **Br J Haematol** 1982 Feb;50(2):283-94

The role of haem biosynthetic and degradative enzymes in erythroid colony development: the effect of haemin. Ibrahim NG, et al. **Br J Haematol** 1982 Jan;50(1):17-28

Differential effect of high-dose methotrexate on erythropoiesis and granulocytopoiesis in humans. Dörmer P, et al. **Cancer Res** 1982 Apr;42(4):1604-7

Regulation of erythroid cell differentiation by haemin. Bonanou-Tzedaki SA, et al. **Cell Differ** 1981 Nov; 10(5):267-79

In vitro and in vivo regulation of hepatic erythropoiesis by erythropoietin and glucocorticoids in the rat fetus. Billat CL, et al. **Exp Hematol** 1982 Jan;10(1):133-40

Increased erythropoiesis and 2'5'-A polymerase activity in the marrow and spleen of phenylhydrazine-injected rats. Orlic D, et al. **Exp Hematol** 1982 May-10(5):478-85

Hematopoietic stem cells in Friend murine leukemia virus infected mice undergoing chemotherapy: failure to eradicate Ep-independent erythropoiesis by BCNU. Seidel HJ, et al. **Exp Hematol** 1982 Feb;10(2):151-60

Hematologic and trace element alterations following chronic maternal ingestion of propylthiourea. Shrader RE, et al. **Exp Hematol** 1982 Jan;10(1):44-55

A quantitative study on the recovery of rat marrow erythropoietic cells after experimental suppression of erythropoiesis by repeated doses of cyclophosphamide. Berger J. **Folia Haematol (Leipz)** 1982;109(2):255-63

Molecules stimulating early red cell, granulocyte, macrophage, and megakaryocyte precursors in culture: similarity in size, hydrophobicity, and charge. Iscove NN, et al. **J Cell Physiol** 1982;Suppl 1:65-78

Procaine inhibits the erythroid differentiation of MEL cells by blocking commitment: possible involvement of calcium metabolism. Tsiftsoglou AS, et al. **J Cell Physiol** 1981 Sep; 108(3):327-35

Effects of endotoxin on murine erythropoiesis in vitro: role of marrow adherent cells. Anagnostou A, et al. **J Reticuloendothel Soc** 1982 Feb;31(2):145-54

Ferrokinetics after high-dose methotrexate therapy. Schalhorn A, et al. **Klin Wochenschr** 1981 Oct 1; 59(19):1109-13

Effect of various androgens on hematopoiesis. II. Effect of long-term administration on erythropoiesis. Niki T, et al. **Nippon Ketsueki Gakkai Zasshi** 1981 Jul;44(4):804-11

Effect of various androgens on hematopoiesis. I. Effect of short-term administration on erythropoiesis. Niki T, et al. **Nippon Ketsueki Gakkai Zasshi** 1981 Jul;44(4):797-803

Diamond-Blackfan syndrome. II. In vitro corticosteroid effect on erythropoiesis. Chan HS, et al. **Pediatr Res** 1982 Jun;16(6):477-8

Effect of beta-adrenergic stimulation by isoprenaline on proliferation and differentation of mouse bone marrow cells in vivo. Lipski S. **Pol J Pharmacol Pharm** 1980 May-Jun; 32(3):281-7

Inducer-mediated commitment of murine erytnroleukemia cells to differentiation: a multistep process. Chen Z, et al. **Proc Natl Acad Sci USA** 1982 Jan;79(2):471-5

Specific differentiation events induced by erythropoietin in cells infected in vitro with the anemia strain of Friend virus. Koury MJ, et al. **Proc Natl Acad Sci USA** 1982 Jan; 79(2):635-9

Tumor-promoting phorbol esters stimulate myelopoiesis and suppress erythropoiesis in cultures of mouse bone marrow cells. Sieber F, et al. **Proc Natl Acad Sci USA** 1981 Jul; 78(7):4402-6

Glucocorticoids suppress formation of erythroid colonies cultured from human fetal liver and umbilical cord blood. Hassan MW, et al. **Proc Soc Exp Biol Med** 1982 Jan; 169(1):63-6

[Beta adrenergic blockers and their effect on erythropoiesis (author's transl)] Zivný J, et al. **Cas Lek Cesk** 1982 Mar 19;121(11):327-31 (Eng. Abstr.) **(Cze)**

[Changes in the hematopoietic system as affected by cadmium] Marek K, et al. **Pol Tyg Lek** 1981 Aug 31; 36(35):1329-31 (Eng. Abstr.) **(Pol)**

[Effect of Mycoplasma arthritidis on the recovery of erythropoiesis in mice treated with 5-fluorouracil] Sanin AV, et al. **Biull Eksp Biol Med** 1982 Mar;93(3):72-4 (Eng. Abstr.) **(Rus)**

[Characteristics of the cytomorphological and other indices of immunogenesis in guinea pigs vaccinated after the preliminary administration of an erythropoiesis stimulant] Struchkova EN. **Zh Mikrobiol Epidemiol Immunobiol** 1981 Dec;(12):97-100 **(Rus)**

RADIATION EFFECTS

Erythropoietin formation during hypoxia in mice with impaired responsiveness to erythropoietin induced by irradiation or 5-fluorouracil injection. Barceló AC, et al. **Experientia** 1982 Apr 15;38(4):504-5

Effect of X irradiation on release of prostaglandin E from marrow stromal cells in culture. Gibson DP, et al. **Radiat Res** 1982 Mar;89(3):537-45

[Changes in mouse erythropoiesis during continuous irradiation with a daily dose of 957 mGy] Macková N, et al. **Folia Haematol (Leipz)** 1982;109(2):236-43 (Eng. Abstr.) **(Ger)**

ERYTHROPOIETIN

Erythropoietin and pregnancy [letter] Kosmin M. **JAMA** 1982 Oct 1;248(13):1581

ADMINISTRATION & DOSAGE

[Characteristics of the cytomorphological and other indices of immunogenesis in guinea pigs vaccinated after the preliminary administration of an erythropoiesis stimulant] Struchkova EN. **Zh Mikrobiol Epidemiol Immunobiol** 1981 Dec;(12):97-100 **(Rus)**

ANALOGS & DERIVATIVES

In vivo activity of asialo-erythropoietin in combination with asialo-glycoproteins. Weiland E, et al. **Blut** 1982 Mar; 44(3):173-5

ANALYSIS

Radioimmunoassay of erythropoietin: circulating levels in normal and polycythemic human beings. Garcia JF, et al. **J Lab Clin Med** 1982 May;99(5):624-35

Temporal pattern of erythropoietin titers in kidney tissue during hypoxic hypoxia. Jelkmann W. **Pflugers Arch** 1982 Mar;393(1):88-91

[Biological methods for studying erythropoietin. Present status] García Triana Y, et al. **Sangre (Barc)** 1981; 26(6):111-20 (Eng. Abstr.) **(Spa)**

BIOSYNTHESIS

Normalization of hematocrit in patients with end-stage renal disease on continuous ambulatory peritoneal dialysis: the role of erythropoietin. Zappacosta AR, et al. **Am J Med** 1982 Jan;72(1):53-7

Increased erythropoiesis in embryonic spleen of polycythemic mice. An indicator for erythropoietin production by the embryo. Notti I, et al. **Biol Neonate** 1981; 40(5-6):269-75

Serum erythropoietin (ESF) titers in polycythemia. de Klerk G, et al. **Blood** 1981 Dec;58(6):1171-4

Autosomal Dominant familial erythrocytosis due to autonomous erythropoietin production. Distelhorst CW, et al. **Blood** 1981 Dec;58(6):1155-8

Pluripotent hemopoietic progenitors (CFU-GEMM) in polycythemia vera: analysis of erythropoietin requirement and proliferative activity. Fauser AA, et al. **Blood** 1981 Dec;58(6):1224-7

Macrophage-dependent production of erythropoietin and colony-stimulating factor. Heit W, et al. **Hamatol Bluttransfus** 1981;27:73-8

Erythropoietin production in fasted rats. Effects of thyroid hormones and glucose supplementation. Caro J, et al. **J Lab Clin Med** 1981 Dec;98(6):860-8

The effects of prostaglandins on extrarenal erythropoietin production. Naughton BA, et al. **Proc Soc Exp Biol Med** 1982 Jun;170(2):231-6

Erythrocytosis associated with a dermoid cyst of the ovary and erythropoietic activity of the tumour fluid. Ghio R, et al. **Scand J Haematol** 1981 Aug;27(2):70-4

Erythropoietin and hemoglobin switching. McGlave PB, et al. **Tex Rep Biol Med** 1980-81;40:125-35 (42 ref.)

BLOOD

Measurement of human serum erythropoietin by erythroid colony-forming technique using fetal mouse liver cells. Okamoto T, et al. **Am J Hematol** 1982 Apr;12(2):179-86

Erythropoietin in sickle cell disease: relation of erythropoietin levels to crisis and other complications. Haddy TB. **Am J Pediatr Hematol Oncol** 1982 Summer; 4(2):191-6

Serum erythropoietin (EST) titers in anemia. de Klerk G, et al. **Blood** 1981 Dec;58(6):1164-70

Immunoreactive erythropoietin in serum. I. Evidence for the validity of the assay method and the physiological relevance of estimates. Cotes PM. **Br J Haematol** 1982 Mar; 50(3):427-38

Diurnal levels of immunoreactive erythropoietin in normal subjects and subjects with chronic lung disease. Miller ME, et al. **Br J Haematol** 1981 Oct;49(2):189-200

Metabolic studies of erythropoietin (Ep): I. A reliable micro assay method for Ep in rat plasma using fetal mouse liver cells (FMLC). Dinkelaar RB, et al. **Exp Hematol** 1981 Aug; 9(7):788-95

The influence of age and sex on erythropoietin titers in the plasma and tissue homogenates of hypoxic rats. Fried W, et al. **Exp Hematol** 1982 May;10(5):472-7

Inappropriate erythropoietin production from a renal carcinoma in a dog with polycythemia. Peterson ME, et al. **J Am Vet Med Assoc** 1981 Nov 15;179(10):995-6

Effect of angiotensin infusion on extrarenal erythropoietin production. Fried W, et al. **J Lab Clin Med** 1982 Apr; 99(4):520-5

Erythropoietin levels in posterior fossa haemangioblastoma. Jeffreys RV, et al. **J Neurol Neurosurg Psychiatry** 1982 Mar;45(3):264-6

Congenital erythrocytosis in the absence of detectable erythropoietin. Buchanan GR. **J Pediatr** 1982 Apr; 100(4):593-5

Peripheral haematocrit modulates erythropoietin production and kinetics of reticulocytes in chronic uraemic patients. Walle A, et al. **Proc Eur Dial Transplant Assoc** 1981; 18:633-7

Erythropoietin elevation in the chronically hyperglycemic fetal lamb. Philipps AF, et al. **Proc Soc Exp Biol Med** 1982 May;170(1):42-7

Plasma erythropoietin levels in mice. Response to hypoxia at different ages. Meberg A, et al. **Scand J Clin Lab Invest** 1981 May;41(3):231-5

[Erythropoietin assay. Comparison of a biological test system with an haemagglutination inhibition test (author's transl)] Essers U, et al. **Klin Wochenschr** 1981 Nov 2;59(21):1217-22 (Eng. Abstr.) **(Ger)**

[Erythropoietin (ESF) bioassay in vitro using fetal mouse liver cells (FMLC) (author's transl)] Fukushima Y. **Nippon Ketsueki Gakkai Zasshi** 1981 Nov;44(6):1083-8 (Eng. Abstr.) **(Jpn)**

[Serum erythropoietin (ESF) titers in patients with chronic renal failure measured by fetal mouse liver cell assay (author's transl)] Fukushima Y. **Nippon Ketsueki Gakkai Zasshi** 1981 Nov;44(6):1089-96 (Eng. Abstr.) **(Jpn)**

[Clinico-diagnostic value of estimation of erythropoietin in the blood in bronchopulmonary diseases in young children] Bushmeleva LP, et al. **Pediatriia** 1982 Feb;(2):52-3 **(Rus)**

GENETICS

Further studies on biosynthesis of erythropoietin. Bandyopadhyay R, et al. **Indian J Biochem Biophys** 1981 Aug;18(4):241-4

ISOLATION & PURIFICATION

[Obtaining purified erythropoietin from rabbit plasma] Osipova SN, et al. **Biull Eksp Biol Med** 1981 Dec; 92(12):688-9 (Eng. Abstr.) **(Rus)**

METABOLISM

Metabolic studies on erythropoietin (EP): II. The role of liver and kidney in the metabolism of Ep. Dinkelaar RB, et al. **Exp Hematol** 1981 Aug;9(7):796-803

Hematopoietic stem cells in Friend murine leukemia virus infected mice undergoing chemotherapy: failure to eradicate Ep-independent erythropoiesis by BCNU. Seidel HJ, et al. **Exp Hematol** 1982 Feb;10(2):151-60

A renal inhibitor to hepatic erythropoietin [Ep] production. Naughton BA, et al. **J Med** 1981;12(2-3):159-82

Regulation of erythropoiesis in fetus and mother during normal pregnancy. Zivný J, et al. **Obstet Gynecol** 1982 Jul; 60(1):77-81

Effect of membrane dialysis and filtration-sterilization on erythropoietin activity. Gallicchio VS, et al. **Yale J Biol Med** 1981 Jul-Aug;54(4):249-54

PHARMACODYNAMICS

Effect of erythropoietin on erythropoietin-responsive cell regeneration in polycythemic mice treated with cyclophosphamide. Pavlovic-Kentera V, et al. **Acta Haematol (Basel)** 1981;66(1):6-11

The biological properties of endotoxin-free human

erythropoietin. Weiss TL, et al. **Biochem J** 1981 Jul 15; 198(1):17–21

Erythroid progenitors in polycythemia vera: demonstration of their hypersensitivity to erythropoietin using serum free cultures. Casadevall N, et al. **Blood** 1982 Feb;59(2):447–51

In vivo activity of asialo–erythropoietin in combination with asialo–glycoproteins. Weiland E, et al. **Blut** 1982 Mar; 44(3):173–5

In vitro and in vivo regulation of hepatic erythropoiesis by erythropoietin and glucocorticoids in the rat fetus. Billat CL, et al. **Exp Hematol** 1982 Jan;10(1):133–40

Response of three classes of human erythroid progenitors to the absence of erythropoietin in vitro as a measure of progenitor maturity. Lipton JM, et al. **Exp Hematol** 1981 Nov;9(10):1035–41

Erythropoietin formation during hypoxia in mice with impaired responsiveness to erythropoietin induced by irradiation or 5–fluorouracil injection. Barceló AC, et al. **Experientia** 1982 Apr 15;38(4):504–5

Rat hemoglobin heterogeneity: postnatal changes in proportions of multiple components and effects of erythropoietin on marrow cell cultures. Datta MC, et al. **Hemoglobin** 1981;5(7–8):701–14

Monoclonal antibody assessments of T cell interactions in erythropoietin studies. Nathan DG. **Int J Immunopharmacol** 1981;3(3):233–47

The formation of erythrocyte membrane proteins during erythropoietin–induced differentiation. Tong BD, et al. **J Biol Chem** 1981 Dec 25;256(24):12666–72

Some thoughts on the nature of erythropoietin–responsive cells. Goldwasser E. **J Cell Physiol** 1982;Suppl 1:133–5

Stimulation of erythroid colony formation in vitro by erythropoietin immobilized on agarose–bound lectins. Roodman GD, et al. **J Lab Clin Med** 1981 Nov; 98(5):684–90

Specific differentiation events induced by erythropoietin in cells infected in vitro with the anemia strain of Friend virus. Koury MJ, et al. **Proc Natl Acad Sci USA** 1982 Jan; 79(2):635–9

[Pathogenesis of anemia in collagen disease. I. Effects of erythropoietin and rheumatoid arthritis (RA) patient's sera on the heme synthesis of normal and RA patient's bone marrow erythroblasts (author's transl)] Sugimoto M, et al. **Ryumachi** 1981 May;21(3):185–91 (Eng. Abstr.) **(Jpn)**

[Effect of erythropoietin on bone marrow histone acetylation and phosphorylation] Pashukov EN, et al. **Probl Gematol Pereliv Krovi** 1981 Jun;26(6):23–6 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

Erythropoietin and the inhibitor of erythropoiesis in the amniotic fluid during the first trimester of normal human pregnancy. Lazewska M. **Acta Physiol Pol** 1981 May–Jun; 32(3):327–32

Endotoxin–induced suppression of erythropoiesis: the role of erythropoietin and a heme synthesis stimulating factor. Udupa KB, et al. **Blood** 1982 Jun;59(6):1267–71

The role of erythropoietin in erythroid colony formation from Rauscher leukemia virus–infected mice. Gallicchio VS, et al. **Exp Hematol** 1981 Oct;9(9):938–44

In vitro bioassay of erythropoietin using synchronized rabbit erythroid precursors. Manor D, et al. **Exp Hematol** 1982 Feb;10(2):241–6

Erythropoietin and red cell differentiation. Goldwasser E. **Prog Clin Biol Res** 1981;66 Pt A:487–94

SECRETION

Release of erythropoietin from macrophages mediated by phagocytosis of crystalline silica. Rich IN, et al. **J Reticuloendothel Soc** 1982 Jan;31(1):17–30

Uremia and the liver. I. The liver and erythropoiesis in chronic renal failure. Meyrier A, et al. **Nephron** 1981; 29(1–2):3–6

[Polycythaemia in a haemodialyzed anephric patient with hepatitis. Demonstration of erythropoietin secretion (author's transl)] Simon P, et al. **Nouv Presse Med** 1982 Apr 17;11(18):1401–3 (Eng. Abstr.) **(Fre)**

URINE

Protease activity in human urine erythropoietin preparations. Mok M, et al. **Exp Hematol** 1982 Mar;10(3):300–6

Solid–phase binding assay for erythropoietin antibodies. Spivak JL, et al. **Proc Soc Exp Biol Med** 1982 Mar; 169(3):406–12

ERYTHROSINE see under **FLUORESCEINS**

ESCAPE REACTION

Behavioral changes along escape learning in toads. Schmajuk NA, et al. **Acta Physiol Lat Am** 1980;30(3):211–5

Genetics of escape–avoidance conditioning in laboratory and wild populations of rats: a biometrical approach. Hewitt JK, et al. **Behav Genet** 1981 Sep;11(5):533–44

Analysis of two–way escape–avoidance conditioning measures from a diallel cross of eight strains of rats. Wilcock J, et al. **Behav Genet** 1981 Jul;11(4):339–58

Photic cuing of escape by rats from an intense microwave field. Levinson DM, et al. **Bioelectromagnetics** 1982; 3(1):105–16

Performance of meadow voles from sewage sludge–amended fields in swim–escape behavior trials. Anderson TJ. **Bull Environ Contam Toxicol** 1982 Jan;28(1):81–4

Environmental effects on the ontogeny of exploratory and escape behaviors of Mongolian gerbils. Clark MM, et al. **Dev Psychobiol** 1982 Mar;15(2):121–9

Segmental giant: evidence for a driver neuron interposed between command and motor neurons in the crayfish escape system. Roberts A, et al. **J Neurophysiol** 1982 May; 47(5):761–81

Behavior genetic analysis of water–T maze learning in inbred strains of mice, their hybrids, and selected second generation crosses. Schwegler H, et al. **Psychol Res** 1981; 43(3):335–45

[Pathological flight reaction in the adolescent] Oancea C, et al. **Rev Med Interna [Neurol Psihiatr]** 1981 Apr–Jun; 26(2):129–36 (Eng. Abstr.) **(Rum)**

DRUG EFFECTS

Naloxone inhibits clomipramine in mouse forced swimming test. Devoize JL, et al. **Eur J Pharmacol** 1982 Feb 26; 78(2):229–31

Escapability and generalization: effect on 'behavioral despair'. O'Neill KA, et al. **Eur J Pharmacol** 1982 Mar 12;78(3):379–80

Increased serotonin level via augmented tryptophan diet and its effect on escape learning. Yehuda S, et al. **Int J Neurosci** 1981;15(4):193–6

Effects of polyurethane and polyimide thermal decomposition products on shock escape and avoidance behavior. Russo DM, et al. **Neurobehav Toxicol Teratol** 1981 Fall;3(3):265–70

Behavioral effects of phosphatidylserine in aged rats. Drago F, et al. **Neurobiol Aging** 1981 Fall;2(3):209–13

GABA mediation of the anti–aversive action of minor tranquilizers. Brandão ML, et al. **Pharmacol Biochem Behav** 1982 Mar;16(3):397–402

Chlorpromazine effects on behavior under escape and fixed–time delivery of shock. Cleary J, et al. **Pharmacol Biochem Behav** 1981 Jul;15(1):43–7

Effects of morphine on fixed interval–induced escape from food reinforcement. Slifer BE. **Pharmacol Biochem Behav** 1982 May;16(5):683–7

Meprobamate/morphine interactions on avoidance and escape behaviour in rats. Peruzzi G, et al. **Pharmacol Res Commun** 1982 Jan;14(1):73–81

Further characterization of the behavioral despair test in mice: positive effects of convulsants. Betin C, et al. **Physiol Behav** 1982 Feb;28(2):307–11

Reversal of learned helplessness by nortriptyline. Telner JI, et al. **Prog Neuropsychopharmacol** 1981;5(5–6):587–90

Effects of ACTH, benzodiazepines and 5–HT antagonists on escape from periaqueductal grey stimulation in the rat. Clarke A, et al. **Prog Neuropsychopharmacol Biol Psychiatry** 1982; 6(1):27–35

Tolerance to the effect of morphine on escape from reticular formation stimulation. Wheeling HS, et al. **Subst Alcohol Actions Misuse** 1981;2(2):107–14

[UML inhibits the action of LSD–25 on the conditions flight reflex in rats] Torre M, et al. **Minerva Psichiatr** 1982 Jan–Mar;23(1):39–42 (Eng. Abstr.) **(Ita)**

[Evaluation of the effect of certain pharmacologic agents on the activity of the 'punishment' system] Andreev BV. **Zh Vyssh Nerv Deiat** 1981 Sep–Oct;31(5):967–74 (Eng. Abstr.) **(Rus)**

[Vasoactive peptides in the structure of defensive motivational excitation] Sudakov KV. **Zh Vyssh Nerv Deiat** 1981 Nov–Dec;31(6):1190–7 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

The role of contextual and sporadic stimuli in escape conditioning in dogs. Kowalska DM, et al. **Acta Neurobiol Exp (Warsz)** 1981;41(2):243–9

Learned and emotional behavior in chronically malnourished rats. Teodósio NR, et al. **Acta Physiol Lat Am** 1979; 29(4–5):255–62

Escape efficiency of diploid and polyploid frogs: a comparison of Odontophrynus cultripes (2n = 22) and O. americanus (4n = 44). Murphey RM, et al. **Behav Genet** 1981 May;11(3):255–65

Social housing conditions influence escape deficits produced by uncontrollable stress: assessment of the contribution of norepinephrine. Anisman H, et al. **Behav Neural Biol** 1981 Aug;32(4):406–27

Behavioral and adrenocorticoid responsiveness of squirrel monkeys to a live snake: is flight necessarily stressful? Vogt JL, et al. **Behav Neural Biol** 1981 Aug;32(4):391–405

Electrophysiological correlates of rapid escape reflexes in intact earthworms, Eisenia foetida. I. Functional development of giant nerve fibers during embryonic and postembryonic periods. O'Gara B, et al. **J Neurobiol** 1982 Jul;13(4):337–53

Electrophysiological correlates of rapid escape reflexes in intact earthworms, Eisenia foetida. II. Effects of food deprivation on the functional development of giant nerve fibers. Vining EP, et al. **J Neurobiol** 1982 Jul;13(4):355–67

Behavioral responses during approach and escape induced by hypothalamic stimulation in mice. Ungerer A, et al. **Physiol Behav** 1981 Nov;27(5):773–8

[Temporal course of brain stimulation—induced aversive and appetitive effects (author's transl)] Schmitt P, et al. **Physiol Behav** 1981 Jun;26(6):1073–81 (Eng. Abstr.) **(Fre)**

[Role of dorsal regions of the hippocampus and midbrain reticular formation in escape reaction development in rabbits] Zilov VG. **Biull Eksp Biol Med** 1981 Sep; 92(9):259–60 (Eng. Abstr.) **(Rus)**

[Pharmacological analysis of the inhibitory effect of the antinociceptive system on the avoidance reaction in rabbits] Rylov AL. **Farmakol Toksikol** 1981 Sep–Oct;44(5):539–43 **(Rus)**

[Effect of the motor activity regimen on the development, retention and reproduction of conditioned defense reflexes in rats] Zhuravleva NG, et al. **Izv Akad Nauk SSSR [Biol]** 1981 Sep–Oct;(5):790–4 (Eng. Abstr.) **(Rus)**

[Organization of the sensory input of command neurons] Bravarenko NI, et al. **Zh Vyssh Nerv Deiat** 1982 Jan–Feb; 32(1):94–9 (Eng. Abstr.) **(Rus)**

RADIATION EFFECTS

Failure of rats to escape from a potentially lethal microwave field. Carroll DR, et al. **Bioelectromagnetics** 1980; 1(2):101–15

ESCHERICHIA

CLASSIFICATION

Escherichia vulneris: a new species of Enterobacteriaceae associated with human wounds. Brenner DJ, et al. **J Clin Microbiol** 1982 Jun;15(6):1133–40

Hemagglutinin typing as an aid in identification of biochemically atypical Escherichia coli strains. Crichton PB, et al. **J Clin Microbiol** 1981 Dec;14(6):599–603

[Evaluation of a complex method of identifying enteropathogenic Escherichia using O– and H–sera and a rational combination of biochemical tests] Golubeva IV, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1981 Nov; (11):28–31 (Eng. Abstr.) **(Rus)**

[Rapid diagnostic system for identification of Escherichia H–antigens] Ratiner IuA. **Zh Mikrobiol Epidemiol Immunobiol** 1982 Feb;(2):37–41 **(Rus)**

ENZYMOLOGY

Endo–beta–galactosidase from Escherichia freundii. Li YT, et al. **Methods Enzymol** 1982;83 Pt D:610–9

IMMUNOLOGY

[Partial composition of the O–antigens of O–group Escherichia] Ulisko IN, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1982 Jun;(6):40–4 (Eng. Abstr.) **(Rus)**

ISOLATION & PURIFICATION

[Culture–enzyme properties, serologic characteristics, enteropathogenicity and enterotoxicity of Escherichia isolated from patients with diarrhea] Kleganov VK. **Zh Mikrobiol Epidemiol Immunobiol** 1981 Oct;(10):30–3 (Eng. Abstr.) **(Rus)**

[Frequency of isolation of enteropathogenic and enterotoxigenic Escherichia from adult patients with diarrhea] Kleganov VK. **Zh Mikrobiol Epidemiol Immunobiol** 1982 Feb;(2):70–3 (Eng. Abstr.) **(Rus)**

ESCHERICHIA COLI

Early effects of E. coli endotoxin on superior sagittal sinus blood flow. An experimental study in dogs. Ekström–Jodal B, et al. **Acta Anaesthesiol Scand** 1982 Jun;26(3):171–4

Effect of interferon preparations on the uptake of non–opsonized Escherichia coli by mouse peritoneal macrophages. Rollag H, et al. **Acta Pathol Microbiol Scand [B]** 1981 Jun;89(3):153–9

The effect of endotoxin on the liver lipid peroxide level and on the liver and plasma zinc concentrations in rats as related to time after administration. Sankari S, et al. **Acta Vet Scand** 1982;23(1):24–9

Escherichia coli heat–stable toxin: its effect on motility of the small intestine. Mathias JR, et al. **Am J Physiol** 1982 Apr;242(4):G360–3

Endotoxin–induced hemodynamic changes in ponies: effects of flunixin meglumine. Bottoms GD, et al. **Am J Vet Res** 1981 Sep;42(9):1514–8

Plasma zinc and iron concentrations as measurements for evaluating the influence of endotoxin–neutralizing agents in Escherichia coli endotoxin–induced mastitis. Verheijden JH, et al. **Am J Vet Res** 1982 Apr;43(4):724–8

Effects of dietary milk fat (whole milk) and propionic acid on intestinal coliforms and lactobacilli in calves. Ward GE, et al. **Am J Vet Res** 1982 Jul;43(7):1165–7

Sublethal damage of Escherichia coli by lung lavage. Laforce FM, et al. **Am Rev Respir Dis** 1981 Dec;124(6):733–7

Endothelial cell damage in piglet coronary artery after intravenous administration of E. coli endotoxin. A scanning and transmission electron–microscopic study. Pesonen E, et al. **Atherosclerosis** 1981 Aug–Sep;40(1):65–73

A new method for the extraction and purification of K99 pili from enterotoxigenic Escherichia coli and their

characterization. Altmann K, et al. **Biochem J** 1982 Mar 1;201(3):505–13
Inhibition of Escherichia coli heat-stable enterotoxin effects on intestinal guanylate cyclase and fluid secretion by quinacrine. Greenberg RN, et al. **Biochem Pharmacol** 1982 Jun 1;31(11):2005–9
Endotoxin-induced alterations in glucose transport in isolated adipocytes. Leach GJ, et al. **Biochim Biophys Acta** 1981 Oct 20;648(1):71–9
Acute pulmonary hypertension and lung thromboxane release after endotoxin infusion in normal and leukopenic sheep. Hüttemeier PC, et al. **Circ Res** 1982 May;50(5):688–94
Does LD100 E coli shock cause myocardial failure? Archer LT, et al. **Circ Shock** 1982;9(1):7–16
Glucose turnover five hours following endotoxin administration to normal and diabetic rats. Kelleher DL, et al. **Circ Shock** 1982;9(1):47–53
Effect of endotoxin and glucocorticoid pretreatment on hexose monophosphate shunt activity in rat liver. Kuttner RE, et al. **Circ Shock** 1982;9(1):37–45
Variation in toxicity of Escherichia coli endotoxin after treatment with perfluorated blood substitutes in mice. Lutz J, et al. **Circ Shock** 1982;9(2):99–106
Effect of E coli endotoxin on the leakage of 14C-sucrose from phosphatidylcholine liposomes. Onji T, et al. **Circ Shock** 1981;8(4):403–10
Effect of nitroprusside on pulmonary hypertension and lung fluid balance after E. coli endotoxin. Foulke GE, et al. **Crit Care Med** 1982 Jul;10(7):427–31
Efficient translation of the coat protein cistron of tobacco mosaic virus in a cell-free system from Escherichia coli. Glover JF, et al. **Eur J Biochem** 1982 Mar 1;122(3):485–92
The effects of lipopolysaccharide, BCG-immune T lymphocytes, and lymphokines on generations of tumoricidal pulmonary macrophages in Syrian hamster. Panke ES, et al. **Exp Lung Res** 1982 Feb;3(1):81–90
Endotoxin inhibits the fluoride-stimulated adenylate cyclase activity of rat liver membranes enriched with bile canaliculi. Utili R, et al. **Experientia** 1982 Jul 15;38(7):831–3
On the interaction between jatrophone and DNA. d'Alagni M, et al. **FEBS Lett** 1981 Dec 21;136(1):175–9
The hepatocellular uptake and biliary excretion of endotoxin in the rat. Maitra SK, et al. **Hepatology** 1981 Sep–Oct; 1(5):401–7
Studies of the immunological activities of the outer membrane protein from Escherichia coli. Mohri S, et al. **Immunology** 1982 Jun;46(2):271–80
Purification and separation of heat-labile enterotoxin of enteropathogenic Escherichia coli by simple agarose gel electrophoresis. Tewari L, et al. **Indian J Med Res** 1982 Jan;75:16–8
Effect of endotoxins on rabbit lens. Angra SK, et al. **Indian J Ophthalmol** 1981 Jul;29(2):91–6
Deleterious effects of endotoxin on cultured endothelial cells: an in vitro model of vascular injury. Yamada O, et al. **Inflammation** 1981 Jun;5(2):115–26
Pulmonary microvascular permeability following E. coli endotoxin and hemorrhage. Kinnebrew PS, et al. **J Appl Physiol** 1982 Feb;52(2):403–9
A rapid method for the detection of Gram-negative bacterial endotoxins in whole blood. McLeod C, et al. **J Biol Stand** 1981;9(3):299–306
Iontophoretic killing of Escherichia coli in static fluid and in a model catheter system. Davis CP, et al. **J Clin Microbiol** 1982 May;15(5):891–4
Endotoxin dose-related leukocytosis in milk of guinea pigs. McKenzie WN Jr, et al. **J Dairy Sci** 1981 Nov; 64(11):2234–9
Kinetics of growth of the ciliate Tetrahymena pyriformis on Escherichia coli. Watson PJ, et al. **J Gen Microbiol** 1981 Feb;122(Pt 2):323–33
A new combined assay of phagocytosis and intracellular killing of Escherichia coli by polymorphonuclear leukocytes. Roberts PJ, et al. **J Immunol Methods** 1982 Mar 12;49(2):193–207
Properties of reference Escherichia coli endotoxin and its phthalylated derivative in humans. Elin RJ, et al. **J Infect Dis** 1981 Oct;144(4):329–36
Characterization of complexes between recA protein and duplex DNA by electron microscopy. Di Capua E, et al. **J Mol Biol** 1982 May 5;157(1):87–103
Agglutination of human spermatozoa by Escherichia coli type 1 pili [letter] Söderström T, et al. **J Urol** 1982 Jul; 128(1):155
Structure of carbohydrate part of receptor on human uroepithelial cells for pyelonephritogenic Escherichia coli. Källenius G, et al. **Lancet** 1981 Sep 19;2(8247):604–6
Coliform test for cheese and other foods [letter] Mossel DA. **Lancet** 1981 Dec 19–26;2(8260–61):1425
Calcium overload in endotoxemia. Hülsmann WC, et al. **Life Sci** 1981 Sep 7;29(10):1009–14
Determination of Escherichia coli enterotoxin and cholera toxin by radioimmunoassay. Ceska M. **Methods Enzymol** 1982;84 Pt D:238–53
Solid-phase radioimmunoassay for bacterial lipopolysaccharide. Jacobs DM, et al. **Methods Enzymol** 1982;84 Pt D:264–72
Acinetobacter and E. coli lipopolysaccharides as polyclonal activators and the heterogeneity of normal and LPS-induced mouse immunoglobulins. Symons DB, et al. **Mol Immunol** 1982 Apr;19(4):551–5
Early enteritis, enterotoxins E. coli and seizure threshold. Elomaa E. **Monogr Neural Sci** 1981;5:32–3
E. coli heat-stable enterotoxin. Greenberg RN, et al. **Pharmacol Ther** 1981;13(3):507–31 (265 ref.)
Rectal temperature and blood chemical responses of young chickens given E. coli endotoxin. Jones CA, et al. **Poult Sci** 1981 Oct;60(10):2189–94
Increased phagocytosis of Escherichia coli pretreated with subinhibitory concentrations of cyclacillin or ampicillin. Friedman H, et al. **Proc Soc Exp Biol Med** 1982 Feb; 169(2):301–5
Comparison of the in vitro and in vivo effects of gram-negative endotoxin on cardiac sarcoplasmic reticulum and myofibrillar function. Krause SM, et al. **Prog Clin Biol Res** 1981;62:23–32
Influence of Escherichia coli endotoxin on palmitate, glucose, and lactate utilization by isolated dog heart myocytes. Liu MS, et al. **Prog Clin Biol Res** 1981;62:115–21
Hepatocyte-Kupffer cell interactions in the inhibition of hepatic gluconeogenesis by bacterial endotoxin. McCallum RE. **Prog Clin Biol Res** 1981;62:99–113
Interactions of bacterial lipopolysaccharides with tissue macrophages and plasma lipoproteins. Maier RV, et al. **Prog Clin Biol Res** 1981;62:133–55
Direct and indirect effects of endotoxin on mitochondrial function. Mela L. **Prog Clin Biol Res** 1981;62:15–21
Endotoxin-initiated membrane changes in rabbit platelets. Morrison DC, et al. **Prog Clin Biol Res** 1981;62:47–64
Actions of endotoxins on excitation-secretion coupling at the neural membrane. Person RJ. **Prog Clin Biol Res** 1981; 62:65–79
Some effects of Escherichia coli endotoxin on cells in culture. Silver IA. **Prog Clin Biol Res** 1981;62:81–95
Possible contribution of platelets to the pathophysiology of host responses of endotoxin. Walker RI, et al. **Prog Clin Biol Res** 1981;62:173–85
Influence of bacterial endotoxins on neutrophilic leukocytes: lack of a correlation between in vivo and in vitro responses. Wilson ME, et al. **Prog Clin Biol Res** 1981;62:157–72
Effects of cyclooxygenase inhibitors on pulmonary vascular responses to endotoxin in unanesthetized sheep. Ogletree ML, et al. **Prostaglandins Leukotrienes Med** 1982 May; 8(5):489–502
Effects of endotoxin tolerance on hepatic excretory function: in vivo study. Boelsterli UA, et al. **Toxicol Lett** 1982 May; 11(3–4):207–12
Application of hydrophobic interaction chromatography to purification of Escherichia coli heat-stable enterotoxin. Stavric S, et al. **Toxicon** 1981;19(6):743–7
Zinc concentration in plasma during experimental Salmonella dublin infection and endotoxin induced fever in calves. Groothuis DG, et al. **Vet Rec** 1981 Aug 29;109(9):176–7
Effect of propranolol on the secretory activity of Escherichia coli heat-stable enterotoxin in the suckling mouse assay. Bertin A. **Zentral Bakteriol Mikrobiol Hyg [A]** 1982 Apr; 251(4):522–8
[A report on severe diarrhea caused by Escherichia coli enterotoxin (author's transl)] Lin CS. **Chung Hua Yu Fang I Hsueh Tsa Chih** 1981 Mar; 15(2):101–2 **(Chi)**
[Sequence of the N-terminal end of the periplasmic glutamine binding protein of Escherichia coli K12. Comparison with other periplasmic proteins] Marty B, et al. **C R Seances Acad Sci [III]** 1981 May 11;292(17):987–9 (Eng. Abstr.) **(Fre)**
[Detection of coliforms, fecal coliforms and E. coli in water] Stelzer W, et al. **Z Gesamte Hyg** 1982;28(1):49–55 (Eng. Abstr.) **(Ger)**
[Investigation of the viability of radioactively labelled bacteria after adsorption on activated charcoal (author's transl)] Keller F, et al. **Zentral Bakteriol Mikrobiol Hyg [A]** 1981;250(1–2):113–21 (Eng. Abstr.) **(Ger)**
[Preliminary results on the effects of pretreatment with thymic extract on experimental endotoxin hepatitis in the mouse] Corridori S, et al. **Boll Ist Sieroter Milan** 1981; 60(1):61–8 (Eng. Abstr.) **(Ita)**
[Abortifacient action of endotoxin on pregnant rats and its inhibitory action on placental mitochondrial Mg+ +-ATPase (author's transl)] Ema M, et al. **Eisei Shikenjo Hokoku** 1981;99:68–73 (Eng. Abstr.) **(Jpn)**
[Effects of lipopolysaccharide (E. coli) and OK-432, a Streptococcus preparation, on the hepatic drug-metabolizing system in mice (author's transl)] Sasaki K, et al. **Yakugaku Zasshi** 1981 Oct;101(10):932–8 (Eng. Abstr.) **(Jpn)**
[Dynamics of dehydration of aerodispersed microbial cells in air of different humidities] Koniukhov VF, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1981 Sep;(9):62–7 **(Rus)**
[Intestinal endotoxin and obstructive jaundice. 2. Effect of bile salts on the intestinal absorption of endotoxins] Martinez Veiga JL, et al. **Rev Esp Enferm Apar Dig** 1981 Sep;60(3):217–20 (Eng. Abstr.) **(Spa)**
[Renal insufficiency and obstructive jaundice. 1. Role of the absorption of intestinal endotoxins] Martinez Veiga JL, et al. **Rev Esp Enferm Apar Dig** 1981 Sep;60(3):213–6 (Eng. Abstr.) **(Spa)**

ANALYSIS

A procedure for rapid extraction and high-pressure liquid chromatographic separation of the nucleotides and other small molecules from bacterial cells. Payne SH, et al. **Anal Biochem** 1982 Jun;123(1):151–61
High-yield purification of small, single-stranded DNA. Sclafani RA, et al. **Anal Biochem** 1981 Jul 15;115(1):197–202
Sequencing psoralen photochemically reactive sites in Escherichia coli 16 S rRNA. Youvan DC, et al. **Anal Biochem** 1982 Jan 1;119(1):86–9
Sequence studies on the maltose-binding protein of Escherichia coli. Fowler AV, et al. **Ann Microbiol (Paris)** 1982 Jan;133A(1):49–53
Immobilization of the periplasmic maltose-binding protein of Escherichia coli. Hayashi H, et al. **Ann Microbiol (Paris)** 1982 Jan;133A(1):195–7
Purification and functional characterization of mutant LamB proteins. Luckey M, et al. **Ann Microbiol (Paris)** 1982 Jan; 133A(1):165–6
Molecular weights and subunit structure of LamB proteins. Nakae T, et al. **Ann Microbiol (Paris)** 1982 Jan; 133A(1):21–5
The receptor protein of phage lambda: purification, characterization and preliminary electrical studies in planar lipid bilayers. Neuhaus JM. **Ann Microbiol (Paris)** 1982 Jan; 133A(1):27–32
Arrangement of bacteriophage lambda receptor protein (LamB) in the Escherichia coli cell surface. Yamada H, et al. **Ann Microbiol (Paris)** 1982 Jan;133A(1):43–7
Lipopolysaccharide requirement of phage T6 inactivation in Escherichia coli K12. Yamato I, et al. **Ann Microbiol (Paris)** 1982 Mar–Apr;133(2):205–7
Immunochemical analysis of molecular forms of protein synthesis initiation factors in crude cell lysates of Escherichia coli. Howe JG, et al. **Arch Biochem Biophys** 1982 Apr 1;214(2):446–51
The effect of temperature on the self-association of S5 and on the association of S5 with S8 as determined by sedimentation equilibrium. Tindall SH, et al. **Arch Biochem Biophys** 1982 Apr 1;214(2):516–21
Conformation of free and ribosome bound rRNAs and E. coli. Robakis N, et al. **Biochem Biophys Res Commun** 1981 Dec 31;103(4):1401–8
The effects of magnesium ions on the hydrodynamic shape, conformation, and stability of the ribosomal 23S RNA from E. coli. Yi QM, et al. **Biochem Biophys Res Commun** 1982 Jan 29;104(2):733–9
The composition and the structure of bacterioferritin of Escherichia coli. Yariv J, et al. **Biochem J** 1981 Jul 1; 197(1):171–5
Synthesis of a nitrobenzeneboronic acid substituted polyacrylamide and its use in purifying isoaccepting transfer ribonucleic acids. Johnson BJ. **Biochemistry** 1981 Oct 13;20(21):6103–8
Solution behavior of proteins L7/L12 from the 50S ribosomal subunit of Escherichia coli. Kar EG, et al. **Biochemistry** 1981 Aug 4;20(16):4638–46
Position of transfer ribonucleic acid on Escherichia coli ribosomes. Distance from the 3' end of 16S ribonucleic acid to three points on phenylalanine-accepting transfer ribonucleic acid in the donor site of 70S ribosomes. Robbins D, et al. **Biochemistry** 1981 Sep 1;20(18):5301–9
Optically detected magnetic resonance of the phosphorescent bases of Escherichia coli valine-specific transfer ribonucleic acid. Taherian MR, et al. **Biochemistry** 1981 Dec 8;20(25):7295–301
Activity of the 2' and 3' isomers of aminoacyl transfer ribonucleic acid in the in vitro peptide elongation on Escherichia coli ribosomes. Wagner T, et al. **Biochemistry** 1982 Mar 30;21(7):1521–9
Preparation and characterization of fluorescent 50S ribosomes. Specific labeling of ribosomal proteins L7/L12 and L10 of Escherichia coli. Zantema A, et al. **Biochemistry** 1982 Jun 22;21(13):3069–76
Molecular analysis of the phospholipids of Escherichia coli k12. Batley M, et al. **Biochim Biophys Acta** 1982 Mar 12; 710(3):400–5
Stability of the lac repressor headpiece against thermal denaturation and tryptic hydrolysis. Schnarr M, et al. **Biochim Biophys Acta** 1982 Apr 3;702(2):155–62
Dynamic states of phospholipids in Escherichia coli B membrane. Electron spin resonance studies with biosynthetically generated phospholipid spin labels. Takeuchi Y, et al. **Biochim Biophys Acta** 1981 Aug 6; 646(1):119–25
An immunoradiometric quantitative assay of Escherichia coli recA protein. Paoletti C, et al. **Biochimie** 1982 Apr; 64(4):239–46
Change in conformation of various DNAs on melting as followed by circular dichroism. Sprecher CA, et al. **Biopolymers** 1982 Feb;21(2):321–9
Effect of chemical and pharmacological agents on the secretory activity induced by Escherichia coli heat-stable enterotoxin. Knoop FC, et al. **Can J Microbiol** 1981 Aug; 27(8):754–8
The effect of temperature and other growth conditions on the fatty acid composition of Escherichia coli. McGarrity JT, et al. **Can J Microbiol** 1981 Aug;27(8):835–40
The methyl-accepting chemotaxis proteins of E. coli: a repellent-stimulated, covalent modification, distinct from methylation. Rollins C, et al. **Cell** 1981 Aug;25(2):333–40
Biological activity and a partial amino-acid sequence of Escherichia coli DNA-binding protein I isolated from overproducing cells. Beyreuther K, et al. **Eur J Biochem** 1982 Apr 1;123(2):415–20

Primary structure of the CFA1 fimbrial protein from human enterotoxigenic Escherichia coli strains. Klemm P. **Eur J Biochem** 1982 May 17;124(2):339–48

Structural analysis of the A and B conformers of Escherichia coli 5 S ribosomal RNA by infrared spectroscopy. Böhm S, et al. **FEBS Lett** 1981 Sep 28;132(2):357–61

A kirromycin resistant elongation factor EF-Tu from Escherichia coli contains a threonine instead of an alanine residue in position 375. Duisterwinkel FJ, et al. **FEBS Lett** 1981 Aug 17;131(1):89–93

Study of the secondary and tertiary structure of ribosomal protein S7 from Escherichia coli in solution. Gogia ZV, et al. **FEBS Lett** 1981 Aug 3;130(2):279–82

An inducible outer membrane protein involved in aerobactin-mediated iron transport by col V strains of Escherichia coli. Grewal KK, et al. **FEBS Lett** 1982 Apr 5;140(1):27–30

Globular structure of the small proteins L29 and L30 from Escherichia coli ribosomes. Gudkov AT, et al. **FEBS Lett** 1982 May 17;141(2):254–6

A single DNA-binding protein from Pseudomonas aeruginosa homologous to proteins NS1 and NS2 (HU proteins) of Escherichia coli and other bacteria. Hawkins AR, et al. **FEBS Lett** 1981 Aug 3;130(2):275–8

Characterization of lamB protein from the outer membrane of Escherichia coli that forms diffusion pores selective for maltose-maltodextrins. Ishii JN, et al. **FEBS Lett** 1981 Nov 16;134(2):217–20

Immunoelectron microscopic localization of glutaredoxin and thioredoxin in Escherichia coli cells. Nygren H, et al. **FEBS Lett** 1981 Oct 12;133(1):145–50

The primary structure of elongation factor G from Escherichia coli. A complete amino acid sequence. Ovchinnikov YuA, et al. **FEBS Lett** 1982 Mar 8; 139(1):130–5

The topographical localization of IF3 on Escherichia coli 30 S ribosomal subunits as a clue to its way of functioning. Pon CL, et al. **FEBS Lett** 1982 Jan 25;137(2):163–7

Physical characteristics of 23 S rRNA from the 50 S ribosomal subunit of Escherichia coli. Tam MF, et al. **FEBS Lett** 1981 Aug 3;130(2):217–20

Primary structure of protein S2 from the Escherichia coli ribosome. Wittmann-Liebold B, et al. **FEBS Lett** 1981 Jun 29;129(1):10–6

Intracellular location of NR1-plasmid DNA in Escherichia coli minicells. Hochmannová J, et al. **Folia Microbiol (Praha)** 1981;26(4):270–6

A clinicopathologic study of enterocyte-adherent Escherichia coli: a cause of protracted diarrhea in infants. Rothbaum R, et al. **Gastroenterology** 1982 Aug;83(2):441–54

Inhibition of bovine brain cyclic nucleotide phosphodiesterase by a proteinaceous factor from Escherichia coli. Iwasa Y. **Horm Metab Res** 1982 May; 14(5):265–7

Comparison of heat-labile enterotoxins from porcine and human strains of Escherichia coli. Geary SJ, et al. **Infect Immun** 1982 Apr;36(1):215–20

Staining technique for peptides of Escherichia coli heat-stable enterotoxin. Pesti L, et al. **Infect Immun** 1981 Sep;33(3):944–7

Outer membrane composition in Escherichia coli and the poor activity of hydrophobic antibiotics against enteric bacteria [letter] Shales S, et al. **J Antimicrob Chemother** 1982 Apr;9(4):325–7

Colicin A receptor: role of two Escherichia coli outer membrane proteins (OmpF protein and btuB gene product) and lipopolysaccharide. Chai T, et al. **J Bacteriol** 1982 Aug; 151(2):983–8

Isoelectric focusing and crossed immunoelectrophoresis of heme proteins in the Escherichia coli cytoplasmic membrane. Kranz RG, et al. **J Bacteriol** 1982 Apr; 150(1):36–45

Variation in Escherichia coli buoyant density measured in Percoll gradients. Woldringh CL, et al. **J Bacteriol** 1981 Oct;148(1):58–63

Role of lipopolysaccharide in the receptor function for bacteriophage TuIb in Escherichia coli. Yu F, et al. **J Bacteriol** 1981 Nov;148(2):712–5

Structure of the lambda tof repressor protein in solution. Heat stability and its relation to binding ability to DNA. Iwahashi H, et al. **J Biochem (Tokyo)** 1982 Apr; 91(4):1213–21

Interaction of initiator Met-tRNArMet (Escherichia coli) and Gly-tRNAIGly (Staphylococcus epidermidis) with bacterial elongation factor Tu:GTP complex. Tanada S, et al. **J Biochem (Tokyo)** 1981 May;89(5):1565–72

Purification of the bacteriophage lambda xis gene product required for lambda excisive recombination. Abremski K, et al. **J Biol Chem** 1982 Aug 25;257(16):9658–62

The crystallization of ribosomal proteins from the 50 S subunit of the Escherichia coli and Bacillus stearothermophilus ribosome. Appelt K, et al. **J Biol Chem** 1981 Nov 25;256(22):11787–90

Immunochemical evidence of homologies among 50 S ribosomal proteins of Bacillus stearothermophilus and Escherichia coli. Fahnestock SR, et al. **J Biol Chem** 1981 Oct 10;256(19):10111–6

Characterization of two membrane-associated glycolipids from an Escherichia coli mutant deficient in phosphatidylglycerol. Nishijima M, et al. **J Biol Chem** 1981 Oct 25;256(20):10690–6

The orientation of the major coat protein of bacteriophage f1 in the cytoplasmic membrane of Escherichia coli. Ohkawa I, et al. **J Biol Chem** 1981 Oct 10;256(19):9951–8

Ribosome structure. Localization of 7-methylguanosine in the small subunits of Escherichia coli and chloroplast ribosomes by immunoelectron microscopy. Trempe MR, et al. **J Biol Chem** 1982 Aug 25;257(16):9822–9

Chemical modification of matrix porin from Escherichia coli: probing the pore topology of a transmembrane protein. Schindler M, et al. **J Cell Biol** 1982 Mar;92(3):742–6

Improvements in the passive immune hemolysis test for assaying enterotoxigenic Escherichia coli. de Castro AF, et al. **J Clin Microbiol** 1980 Nov;12(5):714–7

Further evaluation of the Biken test (modified Elek test) for detection of enterotoxigenic Escherichia coli producing heat-labile enterotoxin and application of the test to sampling of heat-stable enterotoxin. Honda T, et al. **J Clin Microbiol** 1982 Jul;16(1):60–2

Value of passive immune hemolysis for detection of heat-labile enterotoxin produced by enterotoxigenic Escherichia coli. Tsukamoto T, et al. **J Clin Microbiol** 1980 Dec;12(6):768–71

Porin from the outer membrane of Escherichia coli: immunological characterization of native and heat-dissociated forms. Hofstra H, et al. **J Gen Microbiol** 1981 Aug;125(Pt 2):285–92

Characterization of polysaccharide accumulation in a cell division defective mutant of Escherichia coli 15T-. Schoemaker JM, et al. **J Gen Microbiol** 1981 Apr;123(Pt 2):323–33

Stabilization of the hexameric form of Escherichia coli protein rho under ATP hydrolysis conditions. Finger LR, et al. **J Mol Biol** 1982 Mar 25;156(1):203–19

Ribosomal proteins L1, L17 and L27 from Escherichia coli localized at single sites on the large subunit by immune electron microscopy. Lake JA, et al. **J Mol Biol** 1981 Dec 25;153(4):979–92

The subunit interface of the Escherichia coli ribosome. Identification of proteins at the interface between the 30 S and 50 S subunits by crosslinking with 2-iminothiolane. Lambert JM, et al. **J Mol Biol** 1981 Jul 5;149(3):451–76

Positions of proteins S6, S11 and S15 in the 30 S ribosomal subunit of Escherichia coli. Ramakrishnan VR, et al. **J Mol Biol** 1981 Dec 15;153(3):739–60

Position of protein S1 in the 30 S ribosomal subunit of Escherichia coli. Sillers IY, et al. **J Mol Biol** 1981 Dec 15;153(3):761–80

Gel electrophoretic studies on ribosomal proteins L7/L12 and the Escherichia coli 50 S subunit. Tokimatsu H, et al. **J Mol Biol** 1981 Oct 25;152(2):397–412

Escherichia coli surface lectins. Eshdat Y, et al. **Methods Enzymol** 1982;83 Pt D:386–91

Acyl carrier protein from Escherichia coli. Rock CO, et al. **Methods Enzymol** 1981;71 Pt C:341–51

Study on conformational states of Escherichia coli tRNAPhe in solution by a modulation-free ESR-spectrometer. Bondarev GN, et al. **Nucleic Acids Res** 1982 Feb 11; 10(3):1113–27

Primary and secondary structures of Escherichia coli MRE 600 23S ribosomal RNA. Comparison with models of secondary structure for maize chloroplast 23S rRNA and for large portions of mouse and human 16S mitochondrial rRNAs. Branlant C, et al. **Nucleic Acids Res** 1981 Sep 11; 9(17):4303–24

DNA packing in the filamentous viruses fd, Xf, Pf1 and Pf3. Casadevall A, et al. **Nucleic Acids Res** 1982 Apr 10; 10(7):2467–81

Secondary structure of the large subunit ribosomal RNA from Escherichia coli, Zea mays chloroplast, and human and mouse mitochondrial ribosomes. Glotz C, et al. **Nucleic Acids Res** 1981 Jul 24;9(14):3287–306

Detection of high levels of polyadenylate-containing RNA in bacteria by the use of a single-step RNA isolation procedure. Gopalakrishna Y, et al. **Nucleic Acids Res** 1981 Jul 24;9(14):3545–54

A structural model of 5S RNA from E. coli based on intramolecular crosslinking evidence. Hancock J, et al. **Nucleic Acids Res** 1982 Feb 25;10(4):1257–69

Studies on transfer ribonucleic acids and related compounds. XL. Synthesis of an eicosaribonucleotide corresponding to residues 35–54 of tRNAfMet from E. coli. Ohtsuka E, et al. **Nucleic Acids Res** 1981 Jul 24;9(14):3503–22

Apparent association constants for E. coli ribosomal proteins S4, S7, S8, S15, S17 and S20 binding to 16S RNA. Schwarzbauer J, et al. **Nucleic Acids Res** 1981 May 11; 9(9):2223–37

A ribonucleoprotein fragment of the 30 S ribosome of E. coli: evidence for long range RNA-RNA interactions. Spitnik-Elson P, et al. **Nucleic Acids Res** 1982 Mar 25; 10(6):1995–2006

Structural organization of the 16S ribosomal RNA from E. coli. Topography and secondary structure. Stiegler P, et al. **Nucleic Acids Res** 1981 May 11;9(9):2153–72

16S ribosomal RNA of Escherichia coli contains a N2-methylguanosine at 27 nucleotides from the 3' end. Van Charldorp R, et al. **Nucleic Acids Res** 1981 Jun 25; 9(12):2717–25

Primary structure of Escherichia coli ribosomal protein S1 and of its gene rpsA. Schnier J, et al. **Proc Natl Acad Sci USA** 1982 Feb;79(4):1008–11

Purification and properties of the uvrA protein from Escherichia coli. Seeberg E, et al. **Proc Natl Acad Sci USA** 1982 Feb;79(4):988–92

Fatty acid composition of lipids of Escherichia coli W 1655 F+ and its stable protoplast type L-form. Gumpert J, et al. **Z Allg Mikrobiol** 1982;22(3):169–74

The lipopolysaccharide of escherichia coli C- studies on the anomeric configurations of the hexoses in the R1 core. Feige U. **Zentral Bakteriol Mikrobiol Hyg [A]** 1981; 250(1–2):52–62

[Studies on pathogenic Escherichia coli. Part 8. Purification and properties of exotoxin from capsular polysaccharide-synthesizing Escherichia coli] Tseng CC. **Taiwan I Hsueh Hui Tsa Chih** 1981 Sep;80(9):866–72 (Eng. Abstr.) **(Chi)**

[Mechanism of envelope protein localization in Escherichia coli (author's transl)] Ito K. **Seikagaku** 1981;53(6):427–43 (149 ref.) **(Jpn)**

[Compact structure of the small proteins L 29 and L 30 from Escherichia coli ribosomes] Gudkov AT, et al. **Dokl Akad Nauk SSSR** 1982;264(2):497–500 **(Rus)**

[Study on the conformational state of Escherichia coli tRNA-Phe in solution by ESR-spectometry without modulation] Bondarev GN, et al. **Mol Biol (Mosk)** 1982 Mar-Apr;16(2):352–62 (Eng. Abstr.) **(Rus)**

[Studies of conformation of RNA-binding proteins from the small subparticle of Escherichia coli ribosomes by proton magnetic resonance] Bushuev VN, et al. **Mol Biol (Mosk)** 1982 Mar-Apr;16(2):330–4 (Eng. Abstr.) **(Rus)**

[Nuclease S1 for DNA molecular weight determination in multiplasmid Escherichia coli strains] Drygin IuF, et al. **Mol Biol (Mosk)** 1982 May-Jun;16(3):633–6 (Eng. Abstr.) **(Rus)**

[Analysis of the basic protein fractions of the outer membrane in E. coli strains differing in survivability in air] Koniukhov VG, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1982 Jan; (1):54–8 (Eng. Abstr.) **(Rus)**

[Nature of the IR spectra of intact cells of Gram-negative microorganisms] Zhurko NP, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1982 Jun;(6):47–50 (Eng. Abstr.) **(Rus)**

CLASSIFICATION

Isolates typed by the Salmonella Reference Laboratory and the Escherichia coli serotyping laboratory during 1980 [letter] Dixon SF, et al. **Aust Vet J** 1982 Jan;58(1):31

Salmonella and Escherichia coli strains isolated from poultry in Ibadan, Nigeria. Falade S, et al. **Bull Anim Health Prod Afr** 1981 Mar;29(1):99–101

Serotypes of enterotoxigenic Escherichia coli in Thailand and the Philippines. Echeverria P, et al. **Infect Immun** 1982 Jun;36(3):851–6

Atypical biogroups of Escherichia coli found in clinical specimens and description of Escherichia hermannii sp. nov. Brenner DJ, et al. **J Clin Microbiol** 1982 Apr; 15(4):703–13

Phage typing set for differentiating Escherichia coli. Gershman M, et al. **J Dairy Sci** 1981 Dec;64(12):2392–2400

The biotyping of Escherichia coli isolated from healthy farm animals. Hinton M, et al. **J Hyg (Lond)** 1982 Jun; 88(3):543–55

Prevalences of various bioactive Escherichia coli strains isolated from clinical materials in Tokyo area in 1978. Arai T, et al. **Keio J Med** 1980 Jun;29(3):111–24

Identification of enterotoxigenic Escherichia coli by serogrouping [letter] Berry RJ, et al. **Lancet** 1982 May 15; 1(8281):1124–5

Escherichia coli O:K:H: serotypes in urinary tract infection. Adetosoye AI. **Zentral Bakteriol Mikrobiol Hyg [A]** 1981 Nov;250(4):463–9

O and H serotypes of Escherichia coli isolated from urinary tract infections. Peddie BA, et al. **Zentral Bakteriol Mikrobiol Hyg [A]** 1981;250(1–2):47–51

Escherichia coli isolated from urinary tract infections in Hong Kong, 1969 to 1976. Wong WT, et al. **Zentral Bakteriol Mikrobiol Hyg [A]** 1981 Dec; 251(2):279–83

Serological and some pathological characteristics of Escherichia coli strains isolated from rabbits. Varga J, et al. **Zentralbl Veterinarmed [B]** 1982 Mar;29(2):145–52

[Frequence of K99 antigen and antibioresistance in Escherichia coli from calves in France (author's transl)] Martel JL, et al. **Ann Rech Vet** 1981;12(3):253–7 (Eng. Abstr.) **(Fre)**

[Typing of E. coli rough strains with phages (author's transl)] Nimmich W, et al. **Zentral Bakteriol Mikrobiol Hyg [A]** 1981 Dec;251(1):33–9 (Eng. Abstr.) **(Ger)**

CYTOLOGY

On the precision and accuracy achieved by Escherichia coli cells at fission about their middle. Trueba FJ. **Arch Microbiol** 1982 Feb;131(1):55–9

Degraded and stable phosphatidylglycerol in Escherichia coli inner and outer membranes, and recycling of fatty acyl residues. Joseleau-Petit D, et al. **Biochim Biophys Acta** 1982 Apr 15;711(1):1–9

The histidines of the bacterial ribosome: a tritium exchange study. Bonnet D, et al. **Biochimie** 1982 May;64(5):363–7

Effects of unsaturated fatty acids on the morphogenesis of an unsaturated fatty acid auxotroph of Escherichia coli. Kuriki Y. **J Bacteriol** 1981 Sep;147(3):1121–4

Inhibitory effect of adenosine 3',5'-phosphate on cell division of Escherichia coli K-12 mutant derivatives. Utsumi R,

et al. **J Bacteriol** 1981 Sep;147(3):1105–9

Involvement of cyclic AMP and its receptor protein in filamentation of an Escherichia coli fic mutant. Utsumi R, et al. **J Bacteriol** 1982 Aug;151(2):807–12

Aberrant forms of Escherichia coli in blood cultures: in vitro reproduction of an in vivo observation. Magnussen CR, et al. **J Clin Microbiol** 1980 Nov;12(5):690–4

Autolysis of a division mutant of Escherichia coli. Karibian D, et al. **J Gen Microbiol** 1981 Sep;126(Pt 1):55–61

Cell division after inhibition of chromosome replication in Escherichia coli. Bremer H, et al. **J Theor Biol** 1981 Dec 21;93(4):909–26

An application of the segregation model for septation of Escherichia coli. Nagasawa M. **J Theor Biol** 1981 Jun 21; 90(4):445–55

[Regulation of cell division in Escherichia coli] D'Ari R, et al. **Biochimie** 1981 Nov–Dec;63(11–12):V–IX (28 ref.) **(Fre)**

DRUG EFFECTS

Drug–receptor interaction on plasmid elimination by phenothiazines and imipramine in Escherichia coli. Molnár J, et al. **Acta Microbiol Acad Sci Hung** 1982;29(1):17–25

Proposed mezlocillin disk control values for staphylococcus aureus ATCC 25923, Escherichia coli ATCC 25922, and Pseudomonas aeruginosa ATCC 27853. Prior RB, et al. **Am J Clin Pathol** 1982 Mar;77(3):332–3

In vitro effects of prednisolone sodium succinate and Escherichia coli organisms on neutrophil survival, glucose utilization, and E coli clearance in canine blood. White GL, et al. **Am J Vet Res** 1982 Jun;43(6):1103–5

Inhibitory effects of combinations of oxytetracycline, dimethyl sulfoxide, and EDTA–tromethamine on Escherichia coli. Wooley RE, et al. **Am J Vet Res** 1981 Nov;42(11):2010–3

Bactericidal activity of trimethoprim alone and in combination with sulfamethoxazole on susceptible and resistant Escherichia coli K–12. Amyes SG. **Antimicrob Agents Chemother** 1982 Feb;21(2):288–93

Induction of cell lysis in Escherichia coli: cooperative effect of nocardicin A and mecillinam. Berenguer J, et al. **Antimicrob Agents Chemother** 1982 Feb;21(2):195–200

Aminoglycoside phosphotransferase–II–mediated amikacin resistance in Escherichia coli. Bongaerts GP, et al. **Antimicrob Agents Chemother** 1981 Sep;20(3):344–50

Role of the membrane potential in bacterial resistance to aminoglycoside antibiotics. Damper PD, et al. **Antimicrob Agents Chemother** 1981 Dec;20(6):803–8

Effect of dihydrostreptomycin on active transport in isolated bacterial membrane vesicles. Eagon RG, et al. **Antimicrob Agents Chemother** 1982 May;21(5):844–5

Effect of subinhibitory concentrations of mecillinam on the serum susceptibility of Escherichia coli strains. Taylor PW, et al. **Antimicrob Agents Chemother** 1981 May;19(5):786–8

Occurrence of transposable trimethoprim resistance in clinical isolates of Escherichia coli devoid of self–transmissible resistance plasmids. Towner KJ, et al. **Antimicrob Agents Chemother** 1982 Feb;21(2):336–8

Effects of low concentrations of antibiotics on Escherichia coli adhesion. Vosbeck K, et al. **Antimicrob Agents Chemother** 1982 Jun;21(6):864–9

Derivatives of 4–dihydro–4–deoxy–4(R)–amino spectinomycin and their activity against susceptible and resistant Escherichia coli strains. Werner RG, et al. **Antimicrob Agents Chemother** 1982 Jan;21(1):101–6

The bacteriostatic action of captan: alterations of RNA metabolism in E. coli. Dillwith JW, et al. **Arch Environ Contam Toxicol** 1982;11(1):41–6

Effect of 6059–S, a noval oxacephem, on cross–linking reaction of peptidoglycan biosynthesis in Escherichia coli, Pseudomonas aeruginosa and Serratia marcescens. Takata N, et al. **Arch Microbiol** 1981 Sep;130(1):90–1

Iron enhances the bactericidal action of streptonigrin. White JR, et al. **Biochem Biophys Res Commun** 1982 May 31; 106(2):407–11

Effects of olivacine on the metabolism of proteins and nucleic acids in Escherichia coli. Touaty P, et al. **Biochim Biophys Acta** 1982 Jun 30;697(3):313–21

Sensitivity of exponentially growing populations of Escherichia coli to photo–induced psoralen–DNA interstrand crosslinks. Grover NB, et al. **Biophys J** 1981 Jan;33(1):93–106

Drug resistance among infantile enteropathogenic Escherichia coli strains isolated in the United Kingdom. Gross RJ, et al. **Br Med J [Clin Res]** 1982 Aug 14; 285(6340):472–3

Nalidixic acid inhibits the conjugal transfer of conjugative N incompatibility group plasmids. Gill S, et al. **Can J Microbiol** 1982 Feb;28(2):256–8

Streptonigrin toxicity in Escherichia coli: oxygen dependence and the role of the intracellular oxidation–-reduction state. Harley JB, et al. **Can J Microbiol** 1982 May;28(5):545–52

Blocking by the carcinogen, L–ethionine, of SOS functions in a tif–1 mutant of Escherichia coli B/r. Wiesner R, et al. **Cancer Res** 1981 Nov;41(11 Pt 1):4382–5

Caffeine inhibits DNA polymerase I from Escherichia coli: studies in vitro. Balachandran R, et al. **Carcinogenesis** 1982; 3(2):151–3

Mutagenic activity of three isomeric N–nitroso–N–methylaminopyridines towards Escherichia coli K–12 in in vitro and animal–mediated assays. Kerklaan P, et al. **Carcinogenesis** 1982;3(4):415–21

Bactericidal activity of cefazolin, cefoxitin, and cefmetazole against Escherichia coli and Klebsiella pneumoniae. Goto S, et al. **Chemotherapy** 1982;28(1):18–25

Modulating effect of subinhibitory concentrations of compound LY 127935 on the virulence of Escherichia coli in the mouse. Pusztai–Markos Z, et al. **Chemotherapy** 1982; 28(2):135–42

Quantitative analysis of beta–lactamase production of multiple resistance to beta–lactam antibiotics in clinical isolates of Escherichia coli. Tsuji H, et al. **Chemotherapy** 1982;28(1):26–39

The role of penicillin–proteins in the action of cephalosporins against Escherichia coli and Salmonella typhimurium. Chase HA, et al. **Eur J Biochem** 1981 Jul;117(2):301–10

Antimicrobial activity of carbazole derivatives. Randelia BE, et al. **Experientia** 1982 May 15;38(5):529–31

Oxidative inactivation of Escherichia coli by hypochlorous acid. Rates and differentiation of respiratory from other reaction sites. Albrich JM, et al. **FEBS Lett** 1982 Jul 19; 144(1):157–61

The mechanism of resistance to streptomycin in Escherichia coli. Functional analysis of the permeability barrier of cells harbouring the R1 drd–19Km– plasmid. Braná H, et al. **Folia Microbiol (Praha)** 1981;26(5):345–50

Mutagenic effects of allylisothiocyanate in Escherichia coli WP 67. Rihová E. **Folia Microbiol (Praha)** 1982;27(1):25–31

Genotoxicity of 5–methoxypsoralen and near ultraviolet light in repair–deficient strains of Escherichia coli WP2. Pool BL, et al. **Food Chem Toxicol** 1982 Apr;20(2):177–81

Effects of anticancer platinum compounds on Escherichia coli strains with normal and defective DNA repair capacity. Konishi H, et al. **Gan** 1981 Aug;72(4):627–30

Transmissible drug resistance in E. coli isolated from animals. Wamburkar MN, et al. **Hindustan Antibiot Bull** 1982 Feb–May;24(1–2):29–33

Transferable multiple drug resistance in Salmonella typhimurium. Bhatia R, et al. **Indian J Med Res** 1981 Nov; 74:642–7

Lactoperoxidase and thiocyanate protect bacteria from hydrogen peroxide. Adamson M, et al. **Infect Immun** 1982 Jan;35(1):20–4

Antibacterial kinetics of ampicillin against Escherichia coli under simulated in vivo conditions. Fuglesang JE, et al. **Infection** 1982 Jan;10(1).31–4

Conversion of potentially lethal damage to lethal damage in Escherichia coli inhibited by caffeine. Koukalová B, et al. **Int J Radiat Biol** 1981 Oct;40(4):375–84

Antibiotic resistance of faecal coliforms in hospital and city sewage in Galway. Monaghan C, et al. **Ir J Med Sci** 1981 Oct;150(10):304–9

Antimicrobic resistance and susceptibility in five bacterial pathogens: a comparison of susceptibility tests in 1974 and 1978. Glisan GL, et al. **J Am Vet Med Assoc** 1982 Mar 15;180(6):665–8

Antimicrobial resistance in Escherichia coli strains isolated from pigs with diarrhea. Libal MC, et al. **J Am Vet Med Assoc** 1982 Apr 15;180(8):908–9

Synthetic analogs of aurodox and kirromycin active on elongation factor Tu from Escherichia coli. Chinali G. **J Antibiot (Tokyo)** 1981 Aug;34(8):1039–45

Light and electron microscopy of the morphological response of Escherichia coli and Serratia marcescens to cefmenoxime (SCE–1365), a new broad–spectrum cephalosporin. Nakao M, et al. **J Antibiot (Tokyo)** 1981 Aug;34(8):1046–54

Resumption of cell division in piperacillin–induced filaments of Escherichia coli B/r. Iida K, et al. **J Antimicrob Chemother** 1982 Jun;9(6):451–9

Activity of metronidazole on Bacteroides fragilis and/or Escherichia coli in vitro and in vivo. Rylander M, et al. **J Antimicrob Chemother** 1981 Mar;7(3):257–67

Use of statistical methods in the rapid determination of antimicrobial susceptibilities of Escherichia coli. Shine PJ, et al. **J Antimicrob Chemother** 1982 Jun;9(6):433–43

Regrowth of Escherichia coli after brief exposure to different concentrations of ampicillin and azlocillin. Yourassowsky E, et al. **J Antimicrob Chemother** 1981 Nov;8 Suppl C:101–3

Growth curve patterns of Escherichia coli and Pseudomonas aeruginosa submitted to different SQ 26,776 concentrations. Yourassowsky E, et al. **J Antimicrob Chemother** 1981 Dec; 8 Suppl E:89–96

Liposome–trapped penicillins in growth inhibition of some penicillin–resistant bacteria. Chowdhury MK, et al. **J Appl Bacteriol** 1981 Oct;51(2):223–7

A note on the use of the spiral plater to study the in vitro effects of amoxycillin, spectinomycin and chloramphenicol on a porcine Escherichia coli. Masters PJ, et al. **J Appl Bacteriol** 1981 Oct;51(2):253–5

Tiamulin resistance mutations in Escherichia coli. Böck A, et al. **J Bacteriol** 1982 Sep;151(3):1253–60

Novel selection for tetracycline– or chloramphenicol–sensitive Escherichia coli. Craine BL. **J Bacteriol** 1982 Jul;151(1):487–90

Mechanism of adenine toxicity in Escherichia coli. Levine RA, et al. **J Bacteriol** 1982 Mar;149(3):923–30

New nalidixic acid resistance mutations related to deoxyribonucleic acid gyrase activity. Yamagishi J, et al. **J Bacteriol** 1981 Nov;148(2):450–8

Oxygen Enhancement of bactericidal activity of rifamycin SV on Escherichia coli and aerobic oxidation of rifamycin SV to rifamycin S catalyzed by manganous ions: the role of superoxide. Kono Y. **J Biochem (Tokyo)** 1982 Jan; 91(1):381–95

Mode of action of colicin S8. Garcia ME, et al. **J Gen Microbiol** 1982 May;128 (Pt 5):973–9

Effect of methyl methanesulphonate on the nucleoid structure of Escherichia coli. Lossius I, et al. **J Gen Microbiol** 1981 May;124(Pt 1):159–71

Escherichia coli resistant to tetracyclines and to other antibiotics in the faeces of U.K. chickens and pigs in 1980. Smith HW, et al. **J Hyg (Lond)** 1981 Dec;87(3):477–83

Prevalences of antibiotic resistant Escherichia coli strains isolated from clinical materials in Tokyo area and their conjugative R plasmids in 1978. Arai T, et al. **Keio J Med** 1980 Jun;29(3):99–109

Antimicrobial activity of some alkyl esters of gallic acid (3,4,5,–trihydroxybenzoic acid) against Escherichia coli NCTC 5933 with particular reference to n–propyl gallate. Boyd L, et al. **Microbios** 1981;30(120):73–85

Aspects of the antibacterial action of diphenyliodonium chloride. Gerami–Nejad M, et al. **Microbios** 1981; 30(120):97–107

Studies on the antibacterial activity of phanquone: effect on metabolic activities of Escherichia coli and Staphylococcus aureus. Husseini R, et al. **Microbios** 1981;30(119):7–18

Photodynamic effects of dyes on bacteria. V. Mutagenesis by acridine orange and 460–nm or 500–nm light in strains of Escherichia coli that differ in repair capability. Hass BS, et al. **Mutat Res** 1982 May;94(1):39–51

Genetic effects of some platinum co–ordination complexes on E.coli DNA as revealed by transformation studies. Hoekstra WP, et al. **Mutat Res** 1982 May;94(1):53–62

Mutagenicity of chloroalkene epoxides in bacterial systems. Kline SA, et al. **Mutat Res** 1982 Apr;101(2):115–25

Azaserine: survival and mutation in Escherichia coli. Kubitschek HE, et al. **Mutat Res** 1982 May;94(1):31–8

Light–enhanced genetic toxicity of crystal violet. Levin DE, et al. **Mutat Res** 1982 Mar;103(3–6):283–8

4–Nitroquinoline–1–oxide: factors determining its mutagenicity in bacteria. McCoy EC, et al. **Mutat Res** 1981 Jun;89(2):151–9

Assessment of the ability of 4CMB and 4HMB to induce primary genetic damage in strains of Escherichia coli. May K, et al. **Mutat Res** 1982 Jan–Feb;100(1–4):9–13

Emergence of high–level trimethoprim resistance in fecal Escherichia coli during oral administration of trimethoprim or trimethoprim–-sulfamethoxazole. Murray BE, et al. **N Engl J Med** 1982 Jan 21;306(3):130–5

The susceptibility of enteropathogenic and non–enteropathogenic porcine Escherichia coli strains to polymyxins and other antibiotics. Larsen JL, et al. **Nord Vet Med** 1981 Sep–Nov;33(9–11):393–402

4,4'–Dimethylangelicin, a monofunctional furocoumarin showing high photosensitizing activity. Baccichetti F, et al. **Photochem Photobiol** 1981 Nov;34(5):649–51

Recovery from damage induced by acridine plus near–ultraviolet light in Escherichia coli. Wagner S, et al. **Photochem Photobiol** 1982 Jan;35(1):73–81

Enhanced sensitivity to the lethal and mutagenic effects of photosensitizing action of chlorpromazine in ethylenediaminetetraacetate–treated Escherichia coli. Yonei S, et al. **Photochem Photobiol** 1982 Apr;35(4):591–2

Effects of nitrous Oxide on the radiation sensitivity of Escherichia coli in the presence and absence of NPPN. Tilby MJ, et al. **Radiat Res** 1982 Mar;89(3):488–502

Mutagenicity of ozone relative to other chemical and physical agents in Escherichia coli K12. Hamelin C, et al. **Rev Can Biol** 1981 Sep;40(3):305–7

Chlorhexidine resistance in Escherichia coli isolated from clinical lesions. Nakahara H, et al. **Zentral Bakteriol Mikrobiol Hyg [A]** 1981 Dec; 251(2):177–84

The tolerance of an environmental strain of Escherichia coli to some heavy metals. Morozzi G, et al. **Zentralbl Bakteriol Mikrobiol Hyg [B]** 1982 Apr; 176(1):55–62

Standard–suspension–test: influence of bovine albumin, saline and water of standard hardness on M.E.–values. van Klingeren B. **Zentralbl Bakteriol Mikrobiol Hyg [B]** 1982 Apr;176(1):63–71

Effect of anilazine on growth, respiration and enzyme activity of Escherichia coli. Garg FC, et al. **Zentralbl Bakteriol [Naturwiss]** 1981;136(6):505–8

Drug susceptibility of Escherichia coli from domestic fowl. Sarma DK, et al. **Zentralbl Veterinarmed [B]** 1981; 28(4):333–5

[Gentian violet as a selection factor in obtaining auxotrophic mutants] Shivarova N, et al. **Acta Microbiol Bulg** 1980; 6:25–30 (Eng. Abstr.) **(Bul)**

[Antibiotic relationship of streptomycin–dependent and streptomycin–resistant Escherichia coli mutants pathogenic for poultry] Cherneva E, et al. **Vet Med Nauki** 1981; 18(8):47–54 (Eng. Abstr.) **(Bul)**

[Nitrous acid induction of Escherichia coli mutants pathogenic for poultry] Cherneva E, et al. **Vet Med Nauki** 1981;18(9):15–22 (Eng. Abstr.) **(Bul)**

[Drug resistance of Escherichia coli strains isolated from poultry] Giurov B, et al. **Vet Med Nauki** 1981;18(8):12–8 (Eng. Abstr.) **(Bul)**

[Sensitivity of Gram–negative aerobic intestinal flora to tetracycline, ampicillin, sulfamethoxazole and gentamicin in a random Netherlands population] Degener JE, et al. **Ned Tijdschr Geneeskd** 1982 Feb 13;126(7):277–80 (Eng. Abstr.) **(Dut)**

[Comparison of light–scattering index 50% (LSI50) and

inhibitory concentration 50% (CI50) (author's transl)] Chung SS, et al. **Ann Microbiol (Paris)** 1982 May-Jun; 133(3):409-16 (Eng. Abstr.) **(Fre)**

[Bactericidal activity of amoxicillin and cefaclor in an 'in vitro' kinetic model (author's transl)] Pothier P, et al. **Ann Microbiol (Paris)** 1981 May-Jun;132(3):293-306 (Eng. Abstr.) **(Fre)**

[Study of the mechanisms of action on the bacterial cell of a new antimicrobial drug: nifurzide (author's transl)] Videz S, et al. **Ann Pharm Fr** 1981;39(5):451-62 (Eng. Abstr.) **(Fre)**

[Model for in vivo study of antibiotics efficacy and level of Escherichia coli implantation in the digestive tract (author's transl)] Escoula L, et al. **Ann Rech Vet** 1981; 12(2):103-8 **(Fre)**

[Inhibition of the diffusion of plasmids by a nitrofuran derivative] Michel-Briand Y, et al. **C R Seances Acad Sci [III]** 1982 Feb 1;294(5):249-52 (Eng. Abstr.) **(Fre)**

[Evaluation of the bactericidal activity of chiral alkylammonium salts derived from N-benzoyl-amino acids with Escherichia coli and Bacillus cereus. II. — Adsorption mechanism and interpretation (author's transl)] Massé J, et al. **Pathol Biol (Paris)** 1981 Oct;29(8):473-80 (Eng. Abstr.) **(Fre)**

[Evaluation of the bactericidal activity of chiral alkylammonium salts derived from N-benzoyl-amino acids with Escherichia coli and Bacillus cereus. I. — Evaluation of the antibacterial activity (author's transl)] Massé J, et al. **Pathol Biol (Paris)** 1981 Oct;29(8):468-72 (Eng. Abstr.) **(Fre)**

[Molecular mechanisms of adaptation of cells to low levels of carcinogenic agents (author's transl)] Villani G. **Pathol Biol (Paris)** 1982 Feb;30(2):117-23 (41 ref.) (Eng. Abstr.) **(Fre)**

[Comparative bacteriological studies and determination of resistance antibiotic of Escherichia coli strains in calves in Morocco and northwest Germany] Ghoniem N, et al. **Berl Munch Tierarztl Wochenschr** 1982 Apr 15;95(8):141-3 (Eng. Abstr.) **(Ger)**

[Investigation on the antimicrobial activity of cefoperazone (author's transl)] Primavesi CA. **Immun Infekt** 1981 Jul; 9(4):150-3 (Eng. Abstr.) **(Ger)**

[Isolation of streptothricin resistant mutants from E coli K12, strain A19] Seidel L, et al. **Z Allg Mikrobiol** 1982; 22(2):133-7 (Eng. Abstr.) **(Ger)**

[Relationship between bacterial resistance to antibiotics and to the bacteriophage ZAR2] Wilckens R, et al. **Zentralbl Veterinarmed [B]** 1981;28(5):371-7 (Eng. Abstr.) **(Ger)**

[Properties of 5 H2-S-positive strains of 'Escherichia coli' (author's transl)] Quarto M, et al. **Ann Sclavo** 1981 Jan-Feb; 23(1):106-15 (Eng. Abstr.) **(Ita)**

[Comparative photodynamic effect of methylene blue in solution and immobilized on Escherichia coli and Bacillus subtilis] Savino A, et al. **Boll Soc Ital Biol Sper** 1981 Aug 15;57(15):1601-7 (Eng. Abstr.) **(Ita)**

[Effects of subinhibiting concentrations of fosfomycin on the ultrastructure of E. coli K 126] Carlone NA, et al. **G Batteriol Virol Immunol** 1980 Jul-Dec;73(7-12):260-71 (Eng. Abstr.) **(Ita)**

[Studies on in vitro antibacterial effects of amoxicillin against Proteus mirabilis IID-994 and Escherichia coli NIHJ JC-2 (author's transl)] Kochi T, et al. **Jpn J Antibiot** 1981 Oct; 34(10):1395-400 (Eng. Abstr.) **(Jpn)**

[Compared studies of antimicrobial agents against E. coli, Klebsiella, Citrobacter and Proteus isolated from urinary tract infections] Kosakai N, et al. **Jpn J Antibiot** 1982 Apr; 35(4):1022-44 (Eng. Abstr.) **(Jpn)**

[Studies on the combination action of ampicillin and dicloxacillin (author's transl] Ohwaki H, et al. **Jpn J Antibiot** 1982 Mar;35(3):724-30 (Eng. Abstr.) **(Jpn)**

[Comparison of antibacterial activity of oral antibacterial agents against recently isolated bacteria of E. coli, Klebsiella, Citrobacter and Proteus from clinical materials of urinary tract infection (author's transl)] Okamoto Y, et al. **Jpn J Antibiot** 1981 Jun;34(6):959-75 **(Jpn)**

[Morphological alterations in Escherichia coli and Serratia marcescens induced by cefotetan (author's transl)] Saito M, et al. **Jpn J Antibiot** 1982 Mar;35(3):850-5 (Eng. Abstr.) **(Jpn)**

[Antibacterial activity of mecillinam against E. coli isolated from urinary tract infections (author's transl)] Shimizu Y. **Jpn J Antibiot** 1981 Jul;34(7):1087-91 (Eng. Abstr.) **(Jpn)**

[Antibiotic resistance of uropathogenic strains of E. coli isolated from patients in the USSR and the People's Republic of Bulgaria] Bondarenko VM, et al. **Antibiotiki** 1981 Aug;26(8):608-12 (Eng. Abstr.) **(Rus)**

[Differentiation of Shigella sonnei by colicinogenic activity using 5 indicator strains of E. coli] Tseiukov SP, et al. **Lab Delo** 1981;(10):625-6 (Eng. Abstr.) **(Rus)**

[Cytomorphological changes in Escherichia coli cells exposed to alkylating compounds] Shved AD, et al. **Mikrobiol Zh** 1982 Jan-Feb;44(1):18-24 (Eng. Abstr.) **(Rus)**

[Effect of digestive secretions and bile-containing preparations on Escherichia coli strain M-17] Cherniakova VI, et al. **Vrach Delo** 1982 May;(5):97-9 (Eng. Abstr.) **(Rus)**

[Transmitted resistance to antibiotics in NAG-vibrio (author's transl)] Saxa V, et al. **Cesk Epidemiol Mikrobiol Imunol** 1981 Nov;30(6):323-33 (Eng. Abstr.) **(Slo)**

[Effect of the antitumor antibiotic bleomycin on nuclear structure: sedimentation studies] Pellón JR, et al. **Rev Esp Fisiol** 1981 Sep;37(3):363-4 **(Spa)**

ENZYMOLOGY

Altered ribonucleotide reductase obtained by in vitro mutagenesis of cloned Escherichia coli DNA. Platz A. **Acta Chem Scand [B]** 1981;35(2):143-4

Enzyme purification using antibody crosslinked to protein A agarose: application to Escherichia coli NADP-isocitrate dehydrogenase. Reeves HC, et al. **Anal Biochem** 1981 Jul 15;115(1):194-6

Acetohydroxy acid synthase isoenzymes of Escherichia coli K12 and Salmonella typhimurium. de Felice M, et al. **Ann Microbiol (Paris)** 1982 Mar-Apr;133(2):251-6

Maltose transacetylase of Escherichia coli: a preliminary report. Freundlieb S, et al. **Ann Microbiol (Paris)** 1982 Jan; 133A(1):181-9

Semi-quantification of a microbiological method using beta-lactamases in detecting the hydrolysis of beta-lactam antibiotics. Labia R, et al. **Ann Microbiol (Paris)** 1981 Sep-Oct;132B(2):257-65

Mechanism of regulation of the lactose permease by the phosphotransferase system in Escherichia coli: evidence for protein-protein interaction. Osumi T, et al. **Ann Microbiol (Paris)** 1982 Mar-Apr;133(2):269-73

Comparison of structural properties and primer requirements of Escherichia coli maltodextrin phosphorylase and rabbit muscle glycogen phosphorylase. Palm D, et al. **Ann Microbiol (Paris)** 1982 Jan;133A(1):55-8

Mechanism of coupled electron and group transfer in Escherichia coli pyruvate dehydrogenase. Frey PA. **Ann NY Acad Sci** 1982;378:250-64 (29 ref.)

Pharmacology of Escherichia coli-L-asparaginase polyethylene glycol adduct. Park YK, et al. **Anticancer Res** 1981;1(6):373-6

A kinetic and structural comparison of chorismate mutase/prephenate dehydratase from mutant strains of Escherichia coli K 12 defective in the PheA gene. Baldwin GS, et al. **Arch Biochem Biophys** 1981 Oct 1;211(1):66-75

The self-association of chorismate mutase/prephenate dehydratase from Escherichia coli K12. Baldwin GS, et al. **Arch Biochem Biophys** 1981 Oct 1;211(1):76-85

Adenine nucleotide binding sites in normal and mutant adenosine triphosphatases of Escherichia coli. Bragg PD, et al. **Arch Biochem Biophys** 1982 Feb;213(2):669-79

Refinements in the rapid isolation of glutamine synthetase from Escherichia coli. Burton ZF, et al. **Arch Biochem Biophys** 1981 Oct 1;211(1):507-9

Properties and functions of the subunits of the Escherichia coli coupling factor ATPase. Dunn SD, et al. **Arch Biochem Biophys** 1981 Sep;210(2):421-36 (114 ref.)

Detection of two essential sulfhydryl residues in Escherichia coli B glycogen synthase. Holmes E, et al. **Arch Biochem Biophys** 1982 Jul;216(2):736-40

Biosynthesis of bacterial glycogen: purification and characterization of ADPglucose pyrophosphorylase with modified regulatory properties from Escherichia coli B mutant CL1136-504. Kapral WK, et al. **Arch Biochem Biophys** 1981 Jun;209(1):15-28

Structured and catalytic properties of peptidase N from Escherichia coli K-12. McCaman MT, et al. **Arch Biochem Biophys** 1982 Feb;213(2):384-94

Catalase synthesis in Escherichia coli is not controlled by catabolite repression. Richter HE, et al. **Arch Biochem Biophys** 1982 Apr 15;215(1):72-7

ATP stimulation of the sn-glycerol-3-phosphate acyltransferase of Escherichia coli. Rock CO, et al. **Arch Biochem Biophys** 1981 Oct 1;211(1):113-8

Expression in Escherichia coli of urokinase antigenic determinants. Bollen A, et al. **Biochem Biophys Res Commun** 1981 Nov 30;103(2):391-401

Differential effect of neomycin on DNA dependent -DNA and RNA synthesis in vitro. Dube DK, et al. **Biochem Biophys Res Commun** 1981 Sep 16;102(1):378-88

Evidence for the presence of a small subunit as the principal component of the nitrate reductase of Escherichia Coli K 12. Forget P, et al. **Biochem Biophys Res Commun** 1982 Mar 30;105(2):450-6

Chorismate mutase-catalyzed reaction of (+/-)-chorismic acid. Hoare JH, et al. **Biochem Biophys Res Commun** 1982 May 31;106(2):660-2

A possible complex containing RNA processing enzymes. Jain SK, et al. **Biochem Biophys Res Commun** 1982 Jun 15;106(3):768-78

Nucleotide sequence of the genes for F0 components of the proton-translocating ATPase from Escherichia coli: prediction of the primary structure of F0 subunits. Kanazawa H, et al. **Biochem Biophys Res Commun** 1981 Nov 30;103(2):613-20

Nucleotide sequence of the genes coding for alpha, beta and gamma subunits of the proton-translocating ATPase of Escherichia coli. Kanazawa H, et al. **Biochem Biophys Res Commun** 1981 Nov 30;103(2):604-12

Nucleotide sequence of the genes for beta and epsilon subunits of proton-translocating ATPase from Escherichia coli. Kanazawa H, et al. **Biochem Biophys Res Commun** 1982 Apr 29;105(4):1257-64

The DCCD-binding polypeptide alone is insufficient for proton translocation through F0 in membranes of Escherichia coli. Loo TW, et al. **Biochem Biophys Res Commun** 1981 Nov 16;103(1):52-9

Nucleotide sequence of the gene coding for the delta subunit of proton translocating ATPase of Escherichia coli. Mabuchi K, et al. **Biochem Biophys Res Commun** 1981 Sep 16;102(1):172-9

Occurrence and induction of spermidine-N1-acetyltransferase in Escherichia coli. Matsui I, et al. **Biochem Biophys Res Commun** 1982 Jun 30;106(4):1155-60

Molecular divergence of a major peptidoglycan synthetase with transglycosylase-transpeptidase activities in Escherichia coli — penicillin-binding protein 1Bs. Nakagawa J, et al. **Biochem Biophys Res Commun** 1982 Apr 29;105(4):1546-53

Replacement of the B protein requirement of the E. coli quinolinate synthetase system by chemically-generated iminoaspartate. Nasu S, et al. **Biochem Biophys Res Commun** 1981 Jul 30;101(2):533-9

Bacteriophage T7 protein kinase is magnesium-dependent and sulfate-activated. Rogers HW, et al. **Biochem Biophys Res Commun** 1981 Jul 16;101(1):201-7

Limited digestion of RNA polymerase from Escherichia coli by trypsin (effect of rifamycin and DNA on the integrity of sigma subunit). Sarma MH, et al. **Biochem Biophys Res Commun** 1982 May 31;106(2):663-70

Ribonuclease F, a putative processing endoribonuclease from Escherichia coli. Watson N, et al. **Biochem Biophys Res Commun** 1981 Nov 30;103(2):543-51

Lipoic acid residues in a take-over mechanism for the pyruvate dehydrogenase multienzyme complex of Escherichia coli. Berman JN, et al. **Biochem J** 1981 Dec 1;199(3):513-20

The role of lipoic acid residues in the pyruvate dehydrogenase multienzyme complex of Escherichia coli. Danson MJ, et al. **Biochem J** 1981 Dec 1;199(3):505-11

Mechanism of inhibition of Escherichia coli RNA polymerase by captan. Dillwith JW, et al. **Biochem J** 1982 Jan 1; 201(1):145-51

Location of the gene for the low-affinity tryptophan-specific permease of Escherichia coli. Edwards RM, et al. **Biochem J** 1982 May 15;204(2):617-9

The organization of formate dehydrogenase in the cytoplasmic membrane of Escherichia coli. Graham A, et al. **Biochem J** 1981 Jun 1;195(3):627-37

The organization of hydrogenase in the cytoplasmic membrane of Escherichia coli. Graham A. **Biochem J** 1981 Aug 1;197(2):283-91

Characterization of Neurospora crassa catabolic dehydroquinase purified from N. crassa and Escherichia coli. Hawkins AR, et al. **Biochem J** 1982 Jun 1; 203(3):769-73

The steady state kinetics of the NADH-dependent nitrite reductase from Escherichia coli K12. The reduction of single-electron acceptors. Jackson RH, et al. **Biochem J** 1982 May 1;203(2):505-10

Prosthetic groups of the NADH-dependent nitrite reductase from Escherichia coli K12. Jackson RH, et al. **Biochem J** 1981 Mar 1;193(3):861-7

The steady-state kinetics of the NADH-dependent nitrite reductase from Escherichia coli K 12. Nitrite and hydroxylamine reduction. Jackson RH, et al. **Biochem J** 1981 Oct 1;199(1):171-8

Difluoromethylornithine irreversibly inactivates ornithine decarboxylase of Pseudomonas aeruginosa, but does not inhibit the enzymes of Escherichia coli. Kallio A, et al. **Biochem J** 1981 Oct 15;200(1):69-75

Active sites of beta-lactamases. The chromosomal beta-lactamases of Pseudomonas aeruginosa and Escherichia coli. Knott-Hunziker V, et al. **Biochem J** 1982 Mar 1;201(3):621-7

Limited proteolysis and proton n.m.r. spectroscopy of the 2-oxoglutarate dehydrogenase multienzyme complex of Escherichia coli. Perham RN, et al. **Biochem J** 1981 Dec 1;199(3):733-40

The effects of anions on fumarate reductase isolated from the cytoplasmic membrane of Escherichia coli. Robinson JJ, et al. **Biochem J** 1981 Dec 1;199(3):473-7

An enzyme activity from Escherichia coli that attacks single-stranded deoxyribopolymers and single-stranded deoxyribonucleic acid containing apyrimidinic sites. Bonura T, et al. **Biochemistry** 1982 May 11;21(10):2548-56

Penicillanic acid sulfone: an unexpected isotope effect in the interaction of 6 alpha- and 6 beta-monodeuterio and of 6,6-dideuterio derivatives with RTEM beta-lactamase from Escherichia coli. Brenner DG, et al. **Biochemistry** 1981 Jun 23;20(13):3680-7

Involvement of arginine residues in the allosteric activation of Escherichia coli ADP-glucose synthetase. Carlson CA, et al. **Biochemistry** 1982 Apr 13;21(8):1929-34

Purification and characterization of Escherichia coli formamidopyrimidine-DNA glycosylase that excises damaged 7-methylguanine from deoxyribonucleic acid. Chetsanga CJ, et al. **Biochemistry** 1981 Sep 1;20(18):5201-7

Cloning, purification, and characterization of beta-cystathionase from Escherichia coli. Dwivedi CM, et al. **Biochemistry** 1982 Jun 22;21(13):3064-9

Inhibition of the RTEM beta-lactamase from Escherichia coli. Interaction of the enzyme with derivatives of olivanic acid. Easton CJ, et al. **Biochemistry** 1982 Jun 8; 21(12):2857-62

Formamide-induced dissociation and inactivation of Escherichia coli alkaline phosphatase. Metal-dependent reassociation and restoration of activity from isolated subunits. Falk MC, et al. **Biochemistry** 1982 Mar 30; 21(7):1471-8

Adenylate kinase of Escherichia coli: evidence for a functional interaction in phospholipid synthesis. Goelz SE, et al. **Biochemistry** 1982 Jan 5;21(1):189-95

Reassociation of the pyruvate dehydrogenase complex from Escherichia coli: Kinetic measurements and binding studies by resonance energy transfer. Graupe K, et al. **Biochemistry** 1982 Mar 16;21(6):1386-94

Changes in the substrate specificities of an enzyme during directed evolution of new functions. Hall BG. **Biochemistry** 1981 Jul 7;20(14):4042-9

Escherichia coli phosphoenolpyruvate-dependent phosphotransferase system: role of divalent metals in the dimerization and phosphorylation of enzyme I. Hoving H, et al. **Biochemistry** 1982 Jun 22;21(13):3128-36

Interactions of Cibacron Blue F3GA and nucleotides with Escherichia coli aspartate carbamoyltransferase and its subunits. Issaly I, et al. **Biochemistry** 1982 Mar 30; 21(7):1612-23

Penicillanic acid sulfone: interaction with RTEM beta-lactamase from Escherichia coli at different pH values. Kemal C, et al. **Biochemistry** 1981 Jun 23; 20(13):3688-95

Role of arginine in the binding of thiamin pyrophosphate to Escherichia coli pyruvate oxidase. Koland JG, et al. **Biochemistry** 1982 May 25;21(11):2656-600

Escherichia coli glutamine synthetase. Determination of rate-limiting steps by rapid-quench and isotope partitioning experiments. Meek TD, et al. **Biochemistry** 1982 Apr 27; 21(9):2158-67

Escherichia coli phosphoenolpyruvate-dependent phosphotransferase system: mechanism of phosphoryl-group transfer from phosphoenolpyruvate to HPr. Misset O, et al. **Biochemistry** 1982 Jun 22; 21(13):3136-42

Reconstitution of Escherichia coli membrane vesicles with D-amino acid dehydrogenase. Olsiewski PJ, et al. **Biochemistry** 1981 Oct 13;20(21):6272-9

Zinc(II)-dependent synthesis of diadenosine 5', 5''' -P(1) ,P(4) -tetraphosphate by Escherichia coli and yeast phenylalanyl transfer ribonucleic acid synthetases. Plateau P, et al. **Biochemistry** 1981 Aug 4;20(16):4654-62

In vitro synthesis of the respiratory NADH dehydrogenase of Escherichia coli. Role of UUG as initiation codon. Poulis MI, et al. **Biochemistry** 1981 Jul 7;20(14):4178-85

In vitro synthesis of the membrane-bound D-lactate dehydrogenase of Escherichia coli. Santos E, et al. **Biochemistry** 1982 Apr 27;21(9):2085-91

Reversible inactivation of Escherichia coli methionyl-tRNA synthetase by covalent attachment of formylmethionine tRNA to the tRNA binding site with a cleavable cross-linker. Schulman LH, et al. **Biochemistry** 1981 Oct 13;20(21):6018-23

Mechanism of ribonucleic acid chain initiation. Molecular pulse-labeling study of ribonucleic acid syntheses on T7 deoxyribonucleic acid template. Shimamoto N, et al. **Biochemistry** 1981 Aug 4;20(16):4745-55

Raman spectral evidence for a mu-oxo bridge in the binuclear iron center of ribonucleotide reductase. Sjöberg BM, et al. **Biochemistry** 1982 Jan 5;21(1):96-102

Properties of P3 esters of nucleoside triphosphates as substrates for RNA polymerase from Escherichia coli. Smagowicz WJ, et al. **Biochemistry** 1981 Sep 15; 20(19):5538-46

Reactions of thio analogues of adenosine 5'-triphosphate catalyzed by methionyl-tRNA synthetase from Escherichia coli and metal dependence of stereospecificity. Smith LT, et al. **Biochemistry** 1982 Mar 30;21(7):1530-4

Use of trypsin and lipoamidase to study the role of lipoic acid moieties in the pyruvate and alpha-ketoglutarate dehydrogenase complexes of Escherichia coli. Stepp LR, et al. **Biochemistry** 1981 Aug 4;20(16):4555-60

Two DNA glycosylases in Escherichia coli which release primarily 3-methyladenine. Thomas L, et al. **Biochemistry** 1982 Mar 16;21(6):1162-9

Functional groups at the catalytic site of BF1 adenosinetriphosphatase from Escherichia coli. Ting LP, et al. **Biochemistry** 1982 Jan 19;21(2):269-75

Characteristics of beta, beta-difluoroalanine and beta, beta, beta -trifluoroalanine as suicide substrates for Escherichia coli B alanine racemase. Wang EA, et al. **Biochemistry** 1981 Dec 22;20(26):7539-46

Catalytic cooperativity and subunit interactions in Escherichia coli glutamine synthetase: binding and kinetics with methionine sulfoximine and related inhibitors. Wedler FC, et al. **Biochemistry** 1982 Apr 27;21(9):2168-77

Lactose carrier protein of Escherichia coli: interaction with galactosides and protons. Wright JK, et al. **Biochemistry** 1981 Oct 27;20(22):6404-15

Production of chorismate mutase-prephenate dehydrogenase by a strain of Escherichia coli carrying a multicopy, tyrA plasmid. Isolation and properties of the enzyme. Bhosale SB, et al. **Biochim Biophys Acta** 1982 Jul 16;717(1):6-11

Diglyceride kinase from Escherichia coli. Modulation of enzyme activity by glycosphingolipids. Bohnenberger E, et al. **Biochim Biophys Acta** 1982 Feb 8;685(1):44-50

Comparison of in vitro chromatin transcription using E. coli RNA polymerase and wheat germ RNA polymerase B. Draper KG, et al. **Biochim Biophys Acta** 1981 Dec 28; 656(2):213-9

Comparison of the essential arginine residue in Escherichia coli ornithine and aspartate transcarbamylases. Fortin AF, et al. **Biochim Biophys Acta** 1981 Nov 13;662(1):8-14

Loss of tRNA 5-methyluridine methyltransferase and pseudouridine synthetase activities in 5-fluorouracil and 1-(tetrahydro-2-furanyl)-5-fluorouracil (ftorafur)-treated Escherichia coli. Frendewey DA, et al. **Biochim Biophys Acta** 1982 Apr 26;697(1):31-40

Regulation of enterochelin synthetase in Escherichia coli K-12. Greenwood KT, et al. **Biochim Biophys Acta** 1981 Aug 13;660(2):371-4

Phosphorescence of alkaline phosphatase of E. coli in vitro and in situ. Horie T, et al. **Biochim Biophys Acta** 1981 Sep 29;670(2):294-7

Purification and properties of fMet-tRNAf deacylase from Escherichia coli. Igarashi K, et al. **Biochim Biophys Acta** 1981 Dec 28;656(2):240-5

Differential effect of N-carboxymethylisatoylation on the DNA polymerase activity, the 5' leads to 3'-exonuclease activity and the 3' leads to 5'-exonuclease activity of DNA polymerase I of Escherichia coli. Klenow H, et al. **Biochim Biophys Acta** 1981 Jul 27;654(2):187-93

Correlation of substrate-stabilization patterns with proposed mechanisms for three nucleoside phosphorylases. Krenitsky TA, et al. **Biochim Biophys Acta** 1982 May 3;703(2):247-9

Studies on Escherichia coli chromosome proteins. II. DNA polymerases associated with the nucleoid. Moriya T, et al. **Biochim Biophys Acta** 1981 Sep 28;655(2):189-94

Terminal strand-switching of E. coli RNA polymerase transcribing a truncated DNA fragment. Oostra BA, et al. **Biochim Biophys Acta** 1981 Oct 27;655(3):446-8

Effect of unusual guanosine nucleotides on the activities of some Escherichia coli cellular enzymes. Pao CC, et al. **Biochim Biophys Acta** 1981 Nov 5;677(3-4):358-62

Characterization of the cloned Escherichia coli dihydrofolate reductase Rood JI, et al. **Biochim Biophys Acta** 1981 Aug 13;660(2):214-8

Chorismate mutase-prephenate dehydrogenase from Escherichia coli. Purification and properties of the bifunctional enzyme. Sampathkumar P, et al. **Biochim Biophys Acta** 1982 Apr 3;702(2):204-11

Chorismate mutase-prephenate dehydrogenase from Escherichia coli. Kinetic mechanism of the prephenate dehydrogenase reaction. Sampathkumar P, et al. **Biochim Biophys Acta** 1982 Apr 3;702(2):212-9

L-Sorbose phosphorylation in Escherichia coli K-12. Slater AC, et al. **Biochim Biophys Acta** 1981 Aug 20;646(2):365-7

The effect of ATP on the incorporation of deoxyribonucleoside triphosphates by Escherichia coli DNA polymerase I. Spasokukotskaja T, et al. **Biochim Biophys Acta** 1981 Dec 28;656(2):140-6

Polynucleotide synthetase of E. coli: an enzyme complex having polynucleotide phosphorylase as apoenzyme. Stavrianopoulos JG, et al. **Biochim Biophys Acta** 1981 Oct 27;655(3):307-22

NADP-specific isocitrate dehydrogenase from Escherichia coli. V. Multiple forms of the enzyme. Vasquez B, et al. **Biochim Biophys Acta** 1981 Jul 24;660(1):16-22

Studies on aspartase. VII. Subunit arrangement of Escherichia coli aspartase. Watanabe Y, et al. **Biochim Biophys Acta** 1981 Oct 13;661(2):261-6

Specific chemical modification of the readily nitrated tyrosine of the RTEM beta-lactamase and of bacillus cereus beta-lactamase I. The role of the tyrosine in beta-lactamase catalysis. Wolozin BL, et al. **Biochim Biophys Acta** 1982 Feb 18;701(2):153-63

Evidence for an essential arginine residue at the active site of Escherichia coli acetate kinase. Wong SS, et al. **Biochim Biophys Acta** 1981 Jul 24;660(1):142-7

Identification by neutron scattering of tRNA-induced aggregation of Escherichia coli tyrosyl-tRNA synthetase. Dessen P, et al. **Biochimie** 1981 Nov-Dec;63(11-12):811-3

Reconstitution of the isolated beta2-subunit of tryptophan synthase from Escherichia coli after dissociation induced by high hydrostatic pressure. Equilibrium and kinetic studies. Seifert T, et al. **Biophys Chem** 1982 Apr;15(1):1-8

Malate dehydrogenase: isolation from E. coli and comparison with the eukaryotic mitochondrial and cytoplasmic forms. Fernley RT, et al. **Biosci Rep** 1981 Jun;1(6):497-507

D-3-phosphoglycerate dehydrogenase from Escherichia coli: isolation by affinity chromatography and sequence comparison to other dehydrogenases. Grant GA, et al. **Biosci Rep** 1981 Sep;1(9):733-41

Stimulation of Escherichia coli adenylate cyclase by lactose in strains carrying mutations in lactose permease. Peterkofsky A, et al. **Biosci Rep** 1981 Jan;1(1):53-60

Evidence for the transcription os physiologically inactive rat-liver nucleolar chromatin by Escherichia coli RNA polymerase. Yu FL, et al. **Biosci Rep** 1982 Mar;2(3):155-61

Divalent cation-activated RNA synthesis in toluene-treated Escherichia coli. Helfman WB, et al. **Can J Biochem** 1981 Jul;59(7):511-8

Affinity labelling of beta-D-galactosidase from Escherichia coli with D-[6-(3)H]-galactal. Kurz G, et al. **Carbohydr Res** 1981 Jun 16;93(1):C14-20

Development of a highly sensitive sandwich enzyme immunoassay for human ferritin using affinity-purified anti-ferritin labelled with beta-D-galactosidase from Escherichia coli. Imagawa M, et al. **Clin Chim Acta** 1982 Jun 3;121(3):277-89

Highly sensitive sandwich enzyme immunoassay of human IgE with beta-D-galactosidase from Escherichia coli. Imagawa M, et al. **Clin Chim Acta** 1981 Dec 9; 117(2):199-207

Equilibrium and kinetic measurements of the binding of pyridoxal 5'-phosphate to hybrid tryptophan synthase from Escherichia coli. Balk H, et al. **Eur J Biochem** 1981 Dec; 121(1):105-12

Routes of flavodoxin and ferredoxin reduction in Escherichia coli. CoA-acylating pyruvate: flavodoxin and NADPH: flavodoxin oxidoreductases participating in the activation of pyruvate formate-lyase. Blaschkowski HP, et al. **Eur J Biochem** 1982 Apr;123(3):563-9

On the binding of tRNA to Escherichia coli RNA polymerase. Interactions between the core enzyme, DNA and tRNA. Busby S, et al. **Eur J Biochem** 1981 Sep 1; 118(3):443-51

Nucleotide sequence coding for the flavoprotein subunit of the fumarate reductase of Escherichia coli. Cole ST. **Eur J Biochem** 1982 Mar 1;122(3):479-84

Regulation of formation of threonyl-tRNA synthetase, phenylalanyl-tRNA synthetase and protein synthesis initiation factor 3 from Escherichia coli in vivo and in vitro. Elhardt D, et al. **Eur J Biochem** 1982 Apr;123(3):477-82

Identification and purification of distinct isomerase and decarboxylase enzymes involved in the 4-hydroxyphenylacetate catabolic pathway of Escherichia coli. Garrido-Peritierra A, et al. **Eur J Biochem** 1981 Jul; 117(3):581-4

A cleavage site of ribonuclease F. A putative processing endoribonuclease from Escherichia coli. Gurevitz M, et al. **Eur J Biochem** 1982 Jun;124(3):553-9

Proline biosynthesis in Escherichia coli. Purification and characterisation of glutamate-semialdehyde dehydrogenase. Hayzer DJ, et al. **Eur J Biochem** 1982 Jan; 121(3):561-5

The catalytic mechanism of glutamyl-tRNA synthetase of Escherichia coli. Evidence for a two-step aminoacylation pathway, and study of the reactivity of the intermediate complex. Kern D, et al. **Eur J Biochem** 1980 May; 106(1):137-50

Regulatory properties of phosphofructokinase 2 from Escherichia coli. Kotlarz D, et al. **Eur J Biochem** 1981 Jul;117(3):569-74

Characterization of the active site of ribonucleotide reductase of Escherichia coli, bacteriophage T4 and mammalian cells by inhibition studies with hydroxyurea analogues. Larsen IK, et al. **Eur J Biochem** 1982 Jun 15;125(1):75-81

Identification of a class of lysines within the non-specific DNA-binding site of RNA polymerase core enzyme from Escherichia coli. Makoff AJ, et al. **Eur J Biochem** 1980 May;106(1):313-20

Size and shape of the alpha subunit of the (Ca,Mg)-dependent adenosinetriphosphate from Escherichia coli in solution in the presence and absence of ATP. Paradies HH. **Eur J Biochem** 1981 Aug;118(1):187-94

Polymerization/excision kinetics of Escherichia coli DNA polymerase I. Stability in kinetic behaviour and variations of the rate constants with temperature and pH. Saghi M, et al. **Eur J Biochem** 1982 Mar;123(1):191-9

Rotational diffusion of eosin-labeled pyruvate dehydrogenase complex of Escherichia coli. Visser AJ, et al. **Eur J Biochem** 1981 Dec;121(1):233-5

Topography of interaction of Escherichia coli RNA polymerase subunits with lac UV5 promoter. Chenchick A, et al. **FEBS Lett** 1981 Jun 1;128(1):46-50

Pyruvate dehydrogenase multienzyme complex of Escherichia coli: determination of the Mr of the lipoate acetyltransferase component. Danson MJ, et al. **FEBS Lett** 1981 Oct 12;133(1):112-4

Is the acid phosphatase of Escherichia coli with pH optimum of 2.5 A polyphosphate depolymerase? Dassa E, et al. **FEBS Lett** 1981 Nov 30;135(1):148-50

The topoisomerase activity of T4 amG39 mutant is restored in Mu lysogens. Ghelardini P, et al. **FEBS Lett** 1982 Jan 11;137(1):49-52

Photo-modification studies of the contacts of the 5'-terminus of growing RNA with the subunits of RNA-polymerase. Grachev MA, et al. **FEBS Lett** 1981 Jul 20;130(1):23-6

Cyclic adenosine-5'-trimetaphosphate phosphorylates a histidine residue nearby the initiating substrate binding site of Escherichia coli DNA-dependent RNA-polymerase. Grachev MA, et al. **FEBS Lett** 1982 Jan 11;137(1):89-94

Small-angle x-ray study of aggregates of DNA-dependent RNA polymerase from Escherichia coli. Heumann H, et al. **FEBS Lett** 1982 Feb 22;138(2):273-6

Increased synthesis of phosphoenolpyruvate carboxylase in a strain of Escherichia coli bearing a ColE1-ppc+ hybrid plasmid. Izui K, et al. **FEBS Lett** 1981 Oct 26;133(2):311-5

Immunochemical analysis of the membrane-bound succinate dehydrogenase of Escherichia coli. Jones RW, et al. **FEBS Lett** 1982 Jun 1;142(1):81-7

Purification involving polymin P fractionation of Escherichia coli DNA polymerase III which shows a high sedimentation constant. Kobayashi Y, et al. **FEBS Lett** 1982 Feb 22;138(2):221-5

Hexamethylphosphoric triamide as a solubilizing agent. Purification and reactivation of diglyceride kinase. König B, et al. **FEBS Lett** 1981 Jul 6;129(2):301-4

Physical characterization of the reconstituted F1-ATPase of Escherichia coli from the main subunits (alpha, beta, gamma). Paradies HH. **FEBS Lett** 1981 Oct 12;133(1):17-21

The structure of the alpha 2-subunit of the F1-ATPase from Escherichia coli in solution. Paradies HH. **FEBS Lett** 1982 Jan 25;137(2):265–70

Photolysis at very low temperatures of co-liganded cytochrome oxidase (cytochrome d) in oxygen-limited Escherichia coli. Poole RK, et al. **FEBS Lett** 1982 May 17;141(2):237–41

Several nucleoside-3' and/or 5'-polyphosphates stimulate beta-galactosidase induction in Escherichia coli. Razzaque A, et al. **FEBS Lett** 1982 Feb 8;138(1):133–6

31P NMR studies of the interaction of ATP with RNA polymerase from Escherichia coli. Slepneva IA, et al. **FEBS Lett** 1981 Aug 3;130(2):283–6

ATP-synthetase complex (F1F0) from Escherichia coli. Purification and characterization of subunits A and B of the F0 part. Steffens K, et al. **FEBS Lett** 1982 Jun 1; 142(1):151–4

A simple and efficient method for the isolation of DNA polymerase I from bacteria. Wähnert U. **FEBS Lett** 1981 Jun 29;129(1):185–7

Catabolite repression of different inducible enzymes in Escherichia coli and the effect of cAMP. Jirešová M, et al. **Folia Microbiol (Praha)** 1981;26(4):265–9

Properties of penicillin acylase from Escherichia coli NCIM 2500 purified by affinity chromatography. Mahajan PB, et al. **Hindustan Antibiot Bull** 1982 Feb-May;24(1-2):38–40

Survey on substrate specificity with regard to ATP analogs of aminoacyl-tRNA synthetases from E. coli and from Baker's yeast. Correlation to synthetase families. Freist W, et al. **Hoppe Seylers Z Physiol Chem** 1981 Sep; 362(9):1247–54

Arginyl-tRNA synthetase from Escherichia coli K12: specificity with regard to ATP analogs and their magnesium complexes. Gerlo E, et al. **Hoppe Seylers Z Physiol Chem** 1982 Apr;363(4):365–73

Proteolytic activation of Ca2+-dependent cyclic nucleotide phosphodiesterase from Escherichia coli. Iwasa Y. **Horm Metab Res** 1981 Jul;13(7):414–5

A site-specific DNA methylase from Escherichia coli K. Hadi SM. **Indian J Biochem Biophys** 1981 Aug;18(4):295–7

Effect of Na+, K+ and Li+ on pH dependence of in situ beta-galactosidase from E. coli. de Arriaga D, et al. **Int J Biochem** 1982;14(1):47–52

Negative cooperativity in alkaline phosphatase from E. col: new kinetic evidence from a steady-state study. Del Arco A, et al. **Int J Biochem** 1982;14(2):127–40

Effects of fluoride on sugar phosphate phosphohydrolase from Escherichia coli and Neisseria meningitidis. Lau BW, et al. **Int J Biochem** 1982;14(7):565–7

Kinetic studies of the transphosphorylation reactions catalyzed by alkaline phosphatase from E. coli: hydrolysis of p-nitrophenyl phosphate and o-carboxyphenyl phosphate in presence of Tris. Roig MG, et al. **Int J Biochem** 1982;14(7):655–66

Fragmentation of colicins A and E1 by cell surface proteases. Brey RN. **J Bacteriol** 1982 Jan;149(1):306–15

Differential polypeptide synthesis of the proton-translocating ATPase of Escherichia coli. Brusilow WS, et al. **J Bacteriol** 1982 Sep;151(3):1363–71

Enzymatic sorting of bacterial colonies on filter paper replicas: detection of labile activities. Bulawa CE, et al. **J Bacteriol** 1981 Oct;148(1):391–3

Cloning of the ilvA538 gene coding for feedback-hypersensitive threonine deaminase from Escherichia coli K-12. Calhoun DH, et al. **J Bacteriol** 1982 Jul;151(1):274–80

Assembly of the adenosine triphosphatase complex in Escherichia coli: assembly of F0 is dependent on the formation of specific F1 subunits. Cox GB, et al. **J Bacteriol** 1981 Oct;148(1):30–42

Evidence for two genetically distinct DNA primase activities specified by plasmids of the B and I incompatibility groups. Dalrymple BP, et al. **J Bacteriol** 1982 Jul;151(1):1–7

Molybdenum cofactor requirement for biotin sulfoxide reduction in Escherichia coli. del Campillo-Campbell A, et al. **J Bacteriol** 1982 Feb;149(2):469–78

Bactericidal effect of 5-azacytidine on Escherichia coli carrying EcoRII restriction-modification enzymes. Friedman S. **J Bacteriol** 1982 Jul;151(1):262–8

Temperature-sensitive mutation affecting synthesis of phosphoenolpyruvate carboxykinase in Escherichia coli. Goldie AH, et al. **J Bacteriol** 1981 Nov;148(2):720–3

Acetohydroxy acid synthase is a target for leucine containing peptide toxicity in Escherichia coli. Gollop N, et al. **J Bacteriol** 1982 Jan;149(1):387–90

Transgalactosylation activity of ebg beta-galactosidase synthesizes allolactose from lactose. Hall BG. **J Bacteriol** 1982 Apr;150(1):132–40

Immunological characterization of Escherichia coli B glycogen synthase and branching enzyme and comparison with enzymes from other bacteria. Holmes E, et al. **J Bacteriol** 1982 Sep;151(3):1444–53

Signal sequence of alkaline phosphatase of Escherichia coli. Inouye H, et al. **J Bacteriol** 1982 Feb;149(2):434–9

Two sites of oxygen control in induced synthesis of respiratory nitrate reductase in Escherichia coli. Kaprálek F, et al. **J Bacteriol** 1982 Mar;149(3):1142–5

Guanylate cyclase activity in Escherichia coli mutants defective in adenylate cyclase. Macchia V, et al. **J Bacteriol** 1981 Sep;147(3):931–4

Genetic regulation of the glyoxylate shunt in Escherichia coli K-12. Maloy SR, et al. **J Bacteriol** 1982 Jan; 149(1):173–80

Altered expression of biodegradative threonine dehydratase in Escherichia coli mutants. Merberg D, et al. **J Bacteriol** 1982 Apr;150(1):52–9

Identification and localization of two membrane-bound esterases from Escherichia coli. Pacaud M. **J Bacteriol** 1982 Jan;149(1):6–14

relA-dependent RNA polymerase activity in Escherichia coli. Ryals J, et al. **J Bacteriol** 1982 Apr;150(1):168–79

Subcellular distribution of various proteases in Escherichia coli. Swamy KH, et al. **J Bacteriol** 1982 Mar;149(3):1027–33

Analysis of an avtA::Mu d1(Ap lac) mutant: metabolic role of transaminase C. Whalen WA, et al. **J Bacteriol** 1982 May;150(2):739–46

Novel application of affinity chromatography with chaotropic elution from Blue Dextran-Sepharose for the purification of beta-hydroxydecanoyl thioester dehydrase from Escherichia coli. Flick PK. **J Biochem Biophys Methods** 1982 Feb;5(6):341–2

Cloning of dihydrofolate reductase gene of Escherichia coli K12. Iwakura M, et al. **J Biochem (Tokyo)** 1982 Apr; 91(4):1205–12

Regulation of Escherichia coli phosphoenolpyruvate carboxylase by multiple effectors in vivo. II. Kinetic studies with a reaction system containing physiological concentrations of ligands. Izui K, et al. **J Biochem (Tokyo)** 1981 Nov;90(5):1321–31

Studies on the metabolism of unsaturated fatty acids. VIII. Induction of 2,4-dienoyl-CoA reductase in Escherichia coli on the addition of unsaturated fatty acids. Mizugaki M, et al. **J Biochem (Tokyo)** 1982 Apr;91(4):1453–6

Glutamine synthetase in preparations of RNA polymerase of Escherichia coli: a novel purification procedure. Takahashi T, et al. **J Biochem (Tokyo)** 1982 May; 91(5):1719–24

Hybrid ATPase's formed from subunits of coupling factor F1's of Escherichia coli and thermophilic bacterium PS3. Takeda K, et al. **J Biochem (Tokyo)** 1982 Feb;91(2):695–701

Studies on oxygen-insensitive nitrofuran reductase in Escherichia coli B/r. Tatsumi K, et al. **J Biochem (Tokyo)** 1981 Mar;89(3):855–9

The effect of cyanide and ferricyanide on the activity of the dissimilatory nitrate reductase of Escherichia coli. Adams MW, et al. **J Biol Chem** 1982 Feb 25;257(4):1791–9

Escherichia coli DNA polymerase I. Sequence characterization and secondary structure prediction. Brown WE, et al. **J Biol Chem** 1982 Feb 25;257(4):1965–72

The acid phosphatase with optimum pH of 2.5 of Escherichia coli. Physiological and Biochemical study. Dassa E, et al. **J Biol Chem** 1982 Jun 25;257(12):6669–76

In vitro system for middle T4 RNA. I. Studies with Escherichia coli RNA polymerase. de Franciscis V, et al. **J Biol Chem** 1982 Apr 25;257(8):4087–96

In vitro system for middle T4 RNA. II. Studies with T4-modified RNA polymerase. de Franciscis V, et al. **J Biol Chem** 1982 Apr 25;257(8):4097–101

On the recognition and cleavage mechanism of Escherichia coli endodeoxyribonuclease V, a possible DNA repair enzyme. Demple B, et al. **J Biol Chem** 1982 Mar 25; 257(6):2848–55

Studies on the mechanism of Escherichia coli DNA polymerase I large fragment. Chain termination and modulation by polynucleotides. Detera SD, et al. **J Biol Chem** 1982 Aug 25;257(16):9770–80

The isolated gamma subunit of Escherichia coli F1 ATPase binds the epsilon subunit. Dunn SD. **J Biol Chem** 1982 Jul 10;257(13):7354–9

EPR studies of the Mn(II) complex with elongation factor Tu and GDP Identification of oxygen ligands to Mn(II) by observation of 17O superhyperfine coupling. Eccleston JF, et al. **J Biol Chem** 1981 Nov 10;256(21):10774–7

Characterization of the GTPase reaction of elongation factor Tu. Determination of the stereochemical course in the presence of antibiotic X5108. Eccleston JF, et al. **J Biol Chem** 1982 May 10;257(9):5046–9

Size classes of products synthesized processively by two subassemblies of Escherichia coli DNA polymerase III holoenzyme. Fay PJ, et al. **J Biol Chem** 1982 May 25; 257(10):5692–9

Kinetics of aspartate transcarbamylase from Escherichia coli for the reverse direction of reaction. Foote J, et al. **J Biol Chem** 1981 Nov 25;256(22):11428–33

Binding enthalpies for glutamine synthetase interactions with L-S- and L-R-diastereoisomers of the substrate analog L-methionine sulfoximine. Gorman EG, et al. **J Biol Chem** 1982 Jul 25;257(14):8244–52

Membrane phospholipid synthesis in Escherichia coli. Purification, reconstitution, and characterization of sn-glycerol-3-phosphate acyltransferase. Green PR, et al. **J Biol Chem** 1981 Nov 10;256(21):11151–9

The dnaB protein of Escherichia coli groPB mutants. Günther E, et al. **J Biol Chem** 1981 Oct 25;256(20):10712–6

Stabilization by ATP and ADP of Escherichia coli dnaB protein activity. Günther E, et al. **J Biol Chem** 1981 Dec 10;256(23):11970–3

Template-prime-dependent turnover of (Sp)-dATP alpha S by T4 DNA polymerase. The stereochemistry of the associated 3' goes to 5'-exonuclease. Gupta A, et al. **J Biol Chem** 1982 Jul 10;257(13):7689–92

The nucleotide sequence of the structural gene for Escherichia coli tryptophanyl-tRNA synthetase. Hall CV, et al. **J Biol Chem** 1982 Jun 10;257(11):6132–6

Scanning transmission electron microscopy of submolecular oligomers of stabilized glutamine synthetase from Escherichia coli. Haschemeyer RH, et al. **J Biol Chem** 1982 Jun 25;257(12):7252–3

Escherichia coli dam methylase. Physical and catalytic properties of the homogeneous enzyme. Herman GE, et al. **J Biol Chem** 1982 Mar 10;257(5):2605–12

A sensitive immunoblotting method for measuring protein synthesis initiation factor levels in lysates of Escherichia coli. Howe JG, et al. **J Biol Chem** 1981 Dec 25; 256(24):12836–9

Nucleotide sequence of the Escherichia coli polA gene and primary structure of DNA polymerase I. Joyce CM, et al. **J Biol Chem** 1982 Feb 25;257(4):1958–64

Formation of a membrane potential by reconstructed liposomes made with cytochrome b562-o complex, a terminal oxidase of Escherichia coli K12. Kita K, et al. **J Biol Chem** 1982 Jul 25;257(14):7933–5

Identification of an active site cysteine residue in Escherichia coli pyruvate oxidase. Koland JG, et al. **J Biol Chem** 1982 Jun 10;257(11):6023–7

Lipid dependence of the membrane-bound D-lactate dehydrogenase of Escherichia coli. Kovatchev S, et al. **J Biol Chem** 1981 Oct 25;256(20):10369–74

On the fidelity of DNA replication. Effect of the next nucleotide on proofreading. Kunkel TA, et al. **J Biol Chem** 1981 Oct 10;256(19):9883–9

Studies of the ATP-dependent proteolytic enzyme, protease La, from Escherichia coli. Larimore FS, et al. **J Biol Chem** 1982 Apr 25;257(8):4187–95

Modification of three active site lysine residues in the catalytic subunit of aspartate transcarbamylase by D- and L-bromosuccinate. Lauritzen AM, et al. **J Biol Chem** 1982 Feb 10;257(3):1312–9

Molecular interaction between simian virus 40 DNA and Escherichia coli RNA polymerase. Mapping of the initiation sites on supercoiled and linear DNA. Lavialle C, et al. **J Biol Chem** 1982 Feb 10;257(3):1549–57

Purification and characterization of DNA polymerase III'. Identification of tau as a subunit of the DNA polymerase III holoenzyme. McHenry CS. **J Biol Chem** 1982 Mar 10; 257(5):2657–63

Limited proteolysis. Early steps in the processing of large premature termination fragments of beta-galactosidase in Escherichia coli. McKnight JL, et al. **J Biol Chem** 1981 Sep 25;256(18):9652–61

Reactivation of glutamine synthetase from Escherichia coli after auto-inactivation with L-methionine-S-sulfoximine, ATP, and Mn2+. Maurizi MR, et al. **J Biol Chem** 1982 Apr 25;257(8):4271–8

Active site ligand stabilization of quaternary structures of glutamine synthetase from Escherichia coli. Maurizi MR, et al. **J Biol Chem** 1982 Jun 25;257(12):7246–51

Enzymes from Escherichia coli synthesize o-succinylbenzoic acid, an intermediate in menaquinone (vitamin K2) biosynthesis. Meganathan R. **J Biol Chem** 1981 Sep 25; 256(18):9386–8

Characterization of the action of Escherichia coli DNA polymerase I at incisions produced by repair endodeoxyribonucleases. Mosbaugh DW, et al. **J Biol Chem** 1982 Jan 10;257(1):575–83

Energy-dependent inactivation and modification of a tryptophan biosynthetic enzyme in Escherichia coli. Mosteller RD, et al. **J Biol Chem** 1982 Sep 10; 257(17):10184–90

Glutamine synthetase adenylylation in permeabilized cells of Escherichia coli. Mura U, et al. **J Biol Chem** 1981 Dec 25;256(24):13014–21

Allosteric regulation of the state of adenylylation of glutamine synthetase in permeabilized cell preparations of Escherichia coli. Studies of monocyclic and bicyclic interconvertible enzyme cascades, in situ. Mura U, et al. **J Biol Chem** 1981 Dec 25;256(24):13022–9

A unified mechanism for the nuclease and unwinding activities of the recBC enzyme of Escherichia coli. Muskavitch KM, et al. **J Biol Chem** 1982 Mar 10; 257(5):2641–8

Purification and characterization of normal and mutant forms of T4 endonuclease V. Nakabeppu Y, et al. **J Biol Chem** 1982 Mar 10;257(5):2556–62

L-Aspartate oxidase, a newly discovered enzyme of Escherichia coli, is the B protein of quinolinate synthetase. Nasu S, et al. **J Biol Chem** 1982 Jan 25;257(2):626–32

Purification and reconstitution of functional lactose carrier from Escherichia coli. Newman MJ, et al. **J Biol Chem** 1981 Nov 25;256(22):11804–8

Fatty acid synthetase system in the regulation of membrane lipid synthesis in Escherichia coli after shifts in temperature. Okuyama H, et al. **J Biol Chem** 1982 May 10;257(9):4812–7

Purification and characterization of two novel proteolytic enzymes in membranes of Escherichia coli. Protease IV and protease V. Pacaud M. **J Biol Chem** 1982 Apr 25; 257(8):4333–9

Molecular mechanism of promoter selection in gene transcription. I. Development of a rapid mixing-photocrosslinking technique to study the kinetics of Escherichia coli RNA polymerase binding to T7 DNA. Park CS, et al. **J Biol Chem** 1982 Jun 25;257(12):6944–9

Catalytic cycle of the biosynthetic reaction catalyzed by adenylylated glutamine synthetase from Escherichia coli. Rhee SG, et al. **J Biol Chem** 1982 Jan 10;257(1):289–97

Activation of rho protein ATPase requires simultaneous interaction at two kinds of nucleic acid-binding sites. Richardson JP. **J Biol Chem** 1982 May 25;257(10):5760-6

Expression of the Streptomyces enzyme endoglycosidase H in Escherichia coli. Robbins PW, et al. **J Biol Chem** 1981 Oct 25;256(20):10640-4

A study of the mechanism of T4 DNA polymerase with diastereomeric phosphorothioate analogues of deoxyadenosine triphosphate. Romaniuk PJ, et al. **J Biol Chem** 1982 Jul 10;257(13):7684-8

Rapid hydrolysis of deoxynucleoside triphosphates accompanies DNA synthesis by T4 DNA polymerase and T4 accessory proteins 44/62 and 45. Roth AC, et al. **J Biol Chem** 1982 Feb 10;257(3):1267-73

Structure of the tyrosyl radical in bacteriophage T4-induced ribonucleotide reductase. Sahlin M, et al. **J Biol Chem** 1982 Jan 10;257(1):366-9

Physiological desensitization of carbohydrate permeases and adenylate cyclase to regulation by the phosphoenolpyruvate:sugar phosphotransferase system in Escherichia coli and Salmonella typhimurium. Involvement of adenosine cyclic 3',5'-phosphate and inducer. Saier MH Jr, et al. **J Biol Chem** 1982 Mar 10;257(5):2509-17

Cleavage of the lambda and P22 repressors by recA protein. Sauer RT, et al. **J Biol Chem** 1982 Apr 25;257(8):4458-62

The anaerobic sn-glycerol-3-phosphate dehydrogenase of Escherichia coli. Purification and characterization. Schryvers A, et al. **J Biol Chem** 1981 Oct 10; 256(19):9959-65

On the binding of L-S- and L-R-diastereoisomers of the substrate analog L-methionine sulfoximine to glutamine synthetase from Escherichia coli. Shrake A, et al. **J Biol Chem** 1982 Jul 25;257(14):8238-43

Two regions of the bifunctional protein aspartokinase I-homoserine dehydrogenase I are connected by a short hinge. Sibilli L, et al. **J Biol Chem** 1981 Oct 25; 256(20):10228-30

Escherichia coli sulfite reductase hemoprotein subunit. Prosthetic groups, catalytic parameters, and ligand complexes. Siegel LM, et al. **J Biol Chem** 1982 Jun 10; 257(11):6343-50

Amplification and modification of dihydrofolate reductase in Escherichia coli. Nucleotide sequence of fol genes from mutationally altered plasmids. Smith DR, et al. **J Biol Chem** 1982 Aug 10;257(15):9043-8

Prolipoprotein signal peptidase in Escherichia coli is distinct from the M13 procoat protein signal peptidase. Tokunaga M, et al. **J Biol Chem** 1982 Sep 10;257(17):9922-5

Nucleotide sequence of Escherichia coli purF and deduced amino acid sequence of glutamine phosphoribosylpyrophosphate amidotransferase. Tso JY, et al. **J Biol Chem** 1982 Apr 10;257(7):3525-31

Glutamine phosphoribosylpyrophosphate amidotransferase from cloned Escherichia coli purF. NH2-terminal amino acid sequence, identification of the glutamine site, and trace metal analysis. Tso JY, et al. **J Biol Chem** 1982 Apr 10; 257(7):3532-6

Subunit structure of Escherichia coli exonuclease VII. Vales LD, et al. **J Biol Chem** 1982 Aug 10;257(15):8799-805

A phosphorus 31 nuclear magnetic resonance study of the intermediates of the Escherichia coli succinyl coenzyme A synthetase reaction. Evidence for substrate synergism and catalytic cooperativity. Vogel HJ, et al. **J Biol Chem** 1982 May 10;257(9):4834-42

The defective proton-ATPase of uncA mutants of Escherichia coli. Studies of nucleotide binding sites, bound aurovertin fluorescence, and labeling of essential residues of the purified F1-ATPase. Wise JG, et al. **J Biol Chem** 1981 Oct 25;256(20):10383-9

The isolation of homogeneous leader peptidase from a strain of Escherichia coli which overproduces the enzyme. Wolfe PB, et al. **J Biol Chem** 1982 Jul 10;257(13):7898-902

The specificity of carboxyl group modification during the inactivation of the Escherichia coli F1-ATPase with dicyclohexyl[14C]carbodiimide. Yoshida M, et al. **J Biol Chem** 1982 Sep 10;257(17):10033-7

Yeast gene TRP5: structure, function, regulation. Zalkin H, et al. **J Biol Chem** 1982 Feb 10;257(3):1491-500

Evidence for the functional association of enzyme I and HPr of the phosphoenolpyruvate-sugar phosphotransferase system with the membrane in sealed vesicles of Escherichia coli. Saier MH Jr, et al. **J Cell Biochem** 1982;18(2):231-8

Purification and properties of histidinol dehydrogenase from Escherichia coli B. Andorn N, et al. **J Gen Microbiol** 1982 Mar;128(Pt 3):579-84

A specialized transducing phage, lambda psrlA, for the sorbitol phosphotransferase of Escherichia coli K12. Boronat A, et al. **J Gen Microbiol** 1982 Mar;128(Pt 3):605-11

Escherichia coli 5'-nucleotidase: purification, properties and its release by osmotic shock. Broad DF, et al. **J Gen Microbiol** 1981 Apr;123(Pt 2):241-7

The reaction of cytochrome o in Escherichia coli K12 with oxygen. Evidence for a spectrally and kinetically distinct cytochrome o in cells from oxygen-limited cultures. Poole RK, et al. **J Gen Microbiol** 1981 Oct;126(Pt 2):277-87

Regulation of anthranilate synthase in Escherichia coli growing in glucose-limited chemostats. Shimizu RW, et al. **J Gen Microbiol** 1981 Apr;123(Pt 2):351-4

Some properties of D-mannose isomerase from Escherichia coli K12. Stevens FJ, et al. **J Gen Microbiol** 1981 May; 124(Pt 1):219-23

Absence of ultraviolet-inducible DNA polymerase I-like activity in Escherichia coli strains harbouring R plasmids. Upton C, et al. **J Gen Microbiol** 1981 Jul;125(Pt 1):131-7

Comparison of the inhibition of Escherichia coli and Lactobacillus casei dihydrofolate reductase by 2,4-diamino-5-(substituted-benzyl)pyrimidines: quantitative structure-activity relationships, X-ray crystallography, and computer graphics in structure-activity analysis. Hansch C, et al. **J Med Chem** 1982 Jul;25(7):777-84

Preliminary x-ray data for the HPr protein of the phosphoenolpyruvate: sugar phosphotransferase system of Escherichia coli. Delbaere LT, et al. **J Mol Biol** 1982 May 5;157(1):161-2

Binding of Escherichia coli RNA polymerase holoenzyme to bacteriophage T7 DNA. Measurements of binding at bacteriophage T7 promoter A1 using a template competition assay. Kadesch TR, et al. **J Mol Biol** 1982 Feb 15;155(1):1-29

Analysis of mutant Escherichia coli aspartate transcarbamylases isolated from a series of suppressed pyrB nonsense strains. Kantrowitz ER, et al. **J Mol Biol** 1981 Dec 15;153(3):569-87

Preliminary X-ray diffraction studies on the hemoprotein subunit of Escherichia coli sulfite reductase. McRee DE, et al. **J Mol Biol** 1982 Jan 5;154(1):179-80

Processing of RNA in Escherichia coli is limited in the absence of ribonuclease III, ribonuclease E and ribonuclease P. Plautz G, et al. **J Mol Biol** 1981 Jul 15; 149(4):813-9

RNAase P is dependent on RNAase E action in processing monomeric RNA precursors that accumulate in an RNAase E- mutant of Escherichia coli. Ray BK, et al. **J Mol Biol** 1981 Jul 15;149(4):599-617

Binding of Escherichia coli RNA polymerase holoenzyme to bacteriophage T7 DNA. Measurements of the rate of open complex formation at T7 promoter A. Rosenberg S, et al. **J Mol Biol** 1982 Feb 15;155(1):31-51

Coupling of homotropic and heterotropic interactions in Escherichia coli aspartate transcarbamylase. Tauc P, et al. **J Mol Biol** 1982 Feb 25;155(2):155-68

Crystal structure of Escherichia coli methionyl-tRNA synthetase at 2.5 A resolution. Zelwer C, et al. **J Mol Biol** 1982 Feb 15;155(1):63-81

Kinetics of renaturation and self-assembly of intermediates on the pathway of folding of the beta 2-subunit of Escherichia coli tryptophan-synthetase. Zetina CR, et al. **J Mol Biol** 1982 May 5;157(1):133-48

Modification of RNA polymerase from Escherichia coli by pre-early gene products of bacteriophage T5. McCorquodale DJ, et al. **J Virol** 1981 Dec;40(3):958-62

Escherichia coli mutant which restricts T7 bacteriophage has an altered RNA polymerase. Shanblatt SH, et al. **J Virol** 1982 Jun;42(3):1123-6

Fatty acid oxidation complex from Escherichia coli. Binstock JF, et al. **Methods Enzymol** 1981;71 Pt C:403-11

Phosphatidylglycerophosphate synthase from Escherichia coli. Dowhan W, et al. **Methods Enzymol** 1981;71 Pt C:555-61

Phosphatidylserine synthase from Escherichia coli. Dowhan W, et al. **Methods Enzymol** 1981;71 Pt C:561-71

Proteases in Escherichia coli. Goldberg AL, et al. **Methods Enzymol** 1981;80 Pt C:680-702 (70 ref.)

Phosphatidylserine decarboxylase from Escherichia coli. Hawrot E. **Methods Enzymol** 1981;71 Pt C:571-6

UDP-N-acetyl-D-mannosamine dehydrogenase from Escherichia coli. Kawamura T, et al. **Methods Enzymol** 1982;83 Pt D:519-22

UDP-N-acetyl-D-glucosamine 2'-epimerase from Escherichia coli. Kawamura T, et al. **Methods Enzymol** 1982;83 Pt D:515-9

3-Deoxy-D-manno-octulosonate-8-phosphate (KDO-8-P) phosphatase. Ray PH, et al. **Methods Enzymol** 1982;83 Pt D:530-5

CTP:CMP-3-deoxy-D-manno-octulosonate cytidylyltransferase (CMP-KDO synthetase). Ray PH, et al. **Methods Enzymol** 1982;83 Pt D:535-40

3-Deoxy-D-manno-octulosonate-8-phosphate (KDO-8-P) synthase. Ray PH. **Methods Enzymol** 1982;83 Pt D:525-30

Acyl-acyl carrier protein synthetase from Escherichia coli. Rock CO, et al. **Methods Enzymol** 1981;71 Pt C:163-8

sn-Glycero-3-phosphate acyltransferase from Escherichia coli. Snider MD. **Methods Enzymol** 1981;71 Pt C:546-50

Cyclopropane fatty acid synthase from Escherichia coli. Taylor FR, et al. **Methods Enzymol** 1981;71 Pt C:133-9

Enoyl-CoA hydratases from Clostridium acetobutylicum and Escherichia coli. Waterson RM, et al. **Methods Enzymol** 1981;71 Pt C:421-30

Recombinant plasmids with genes for the biosynthesis of alkaline phosphatase of Escherichia coli. Boidol W, et al. **MGG** 1982;185(3):510-2

Biosynthesis of RNA polymerase in Escherichia coli. XII. Noncoordinate synthesis of core enzyme subunits after suppression of cell growth. Enami M, et al. **MGG** 1982; 185(3):373-8

Primary structure of Escherichia coli RNA polymerase nucleotide substitution in the beta subunit gene of the rifampicin resistant rpoB255 mutant. Ovchinnikov YuA, et al. **MGG** 1981;184(3):536-8

New acetohydroxy acid synthase activity from mutational activation of a cryptic gene in Escherichia coli K-12. Robinson CL, et al. **MGG** 1982;186(2):240-6

Phenylalanyl-tRNA synthetase from E. coli MRE-600: localization of the phenylalanine binding sites on the subunits by affinity reagents. Lavrik OI, et al. **Mol Biol Rep** 1982 Mar 31;8(2):123-6

Dephosphorylation of glycogen synthase in rat heart extracts by E. coli alkaline phosphatase. Use of an exogenous phosphatase to study substrate-mediated regulation of dephosphorylation. Lau KH, et al. **Mol Cell Biochem** 1982 May 14;44(3):149-59

Identification of the Escherichia coli recB and recC gene products. Hickson ID, et al. **Nature** 1981 Dec 10; 294(5841):578-80

Induction of a DNA glycosylase for N-methylated purines is part of the adaptive response to alkylating agents. Karran P, et al. **Nature** 1982 Apr 22;296(5859):770-3

Mechanism of E. coli RecA protein directed strand exchanges in post-replication repair of DNA. West SC, et al. **Nature** 1981 Dec 17;294(5842):659-62

The nucleotide sequence of the cloned rpoD gene for the RNA polymerase sigma subunit from E coli K12. Burton Z, et al. **Nucleic Acids Res** 1981 Jun 25;9(12):2889-903

The nucleotide sequence of aroG, the gene for 3-deoxy-D-arabinoheptulosonate-7-phosphate synthetase (phe) in Escherichia coli K12. Davies WD, et al. **Nucleic Acids Res** 1982 Jul 10;10(13):4045-8

The atp operon: nucleotide sequence of the region encoding the alpha-subunit of Escherichia coli ATP-synthase. Gay NJ, et al. **Nucleic Acids Res** 1981 May 11;9(9):2187-94

Control of promoter utilization by bacteriophage T4-induced modification of RNA polymerase alpha subunit. Goldfarb A, et al. **Nucleic Acids Res** 1981 Oct 10;9(19):4863-78

Laser crosslinking of E. coli RNA polymerase and T7 DNA. Harrison CA, et al. **Nucleic Acids Res** 1982 Apr 10; 10(7):2399-414

Alternative pathways for editing non-cognate amino acids by aminoacyl-tRNA synthetases. Jakubowski H, et al. **Nucleic Acids Res** 1981 Jul 10;9(13):3105-17

The nucleotide sequence of the promoter and the amino-terminal region of alkaline phosphatase structural gene (phoA) of Escherichia coli. Kikuchi Y, et al. **Nucleic Acids Res** 1981 Nov 11;9(21):5671-8

Mechanism of ultraviolet-induced mutagenesis: the coding properties of ultraviolet-irradiated poly(dC) replicated by E. coli DNA polymerase I. Lecomte P, et al. **Nucleic Acids Res** 1981 Jul 24;9(14):3491-501

Nucleotide sequence of the asnA gene coding for asparagine synthetase of E. coli K-12. Nakamura M, et al. **Nucleic Acids Res** 1981 Sep 25;9(18):4669-76

Termination of transcription of the coliphage T7 'early' operon in vitro: slowness of enzyme release, and lack of any role for sigma. O'Hare KM, et al. **Nucleic Acids Res** 1981 Sep 25;9(18):4689-707

The primary structure of E. coli RNA polymerase. Nucleotide sequence of the rpoC gene and amino acid sequence of the beta'-subunit. Ovchinnikov YuA, et al. **Nucleic Acids Res** 1982 Jul 10;10(13):4035-44

The atp operon: nucleotide sequence of the genes for the gamma, beta, and epsilon subunits of Escherichia coli ATP synthase. Saraste M, et al. **Nucleic Acids Res** 1981 Oct 24; 9(20):5287-96

DNA gyrase: affinity chromatography on novobiocin-Sepharose and catalytic properties. Staudenbauer WL, et al. **Nucleic Acids Res** 1981 Aug 11; 9(15):3589-603

Probing the principles of amino acid selection using the alanyl-tRNA synthetase from Escherichia coli. Tsui WC, et al. **Nucleic Acids Res** 1981 Sep 25;9(18):4627-37

Selective inhibition by harmane of the apurinic apyrimidinic endonuclease activity of phage T4-induced UV endonuclease. Warner HR, et al. **Nucleic Acids Res** 1981 Nov 25;9(22):6083-92

RNA polymerase-dependent mechanism for the stepwise T7 phage DNA transport from the virion into E. coli. Zavriev SK, et al. **Nucleic Acids Res** 1982 Mar 11;10(5):1635-52

Substrate specificity of CTP-synthetase from E. coli. Scheit KH, et al. **Nucleic Acids Symp Ser** 1981;(9):229-33

ATP hydrolysis-dependent protease activity of the lon (capR) protein of Escherichia coli K-12. Charette MF, et al. **Proc Natl Acad Sci USA** 1981 Aug;78(8):4728-32

The product of the lon (capR) gene in Escherichia coli is the ATP-dependent protease, protease La. Chung CH, et al. **Proc Natl Acad Sci USA** 1981 Aug;78(8):4931-5

Isolation of the Escherichia coli leader peptidase gene and effects of leader peptidase overproduction in vivo. Date T, et al. **Proc Natl Acad Sci USA** 1981 Oct;78(10):6106-10

The dicyclohexylcarbodiimide-binding protein c of ATP synthase from Escherichia coli is not sufficient to express an efficient H+ conduction. Friedl P, et al. **Proc Natl Acad Sci USA** 1981 Nov;78(11):6643-6

Biosynthesis of membrane-derived oligosaccharides: a periplasmic phosphoglycerolтransferase. Goldberg DE, et al. **Proc Natl Acad Sci USA** 1981 Sep;78(9):5513-7

Potential for selection among nearly neutral allozymes of 6-phosphogluconate dehydrogenase in Escherichia coli. Hartl DL, et al. **Proc Natl Acad Sci USA** 1981 Oct; 78(10):6344-8

ampC cephalosporinase of Escherichia coli K-12 has a different evolutionary origin from that of beta-lactamases of the penicillinase type. Jaurin B, et al. **Proc Natl Acad Sci USA** 1981 Aug;78(8):4897-901

Pyrophosphate inhibition of rho ATPase: a mechanism of coupling to RNA polymerase activity. Kent RB, et al.

Proc Natl Acad Sci USA 1982 Jul;79(13):3992-6
Zn(II)-induced cooperativity of Escherichia coli ornithine transcarbamoylase. Kuo LC, et al.
Proc Natl Acad Sci USA 1982 Apr;79(7):2250-4
Changes in the hydrogen exchange kinetics of Escherichia coli aspartate transcarbamylase produced by effector binding and subunit association. Lennick M, et al.
Proc Natl Acad Sci USA 1981 Nov;78(11):6759-63
Alternate pathways of DNA replication: DNA polymerase I-dependent replication. Niwa O, et al.
Proc Natl Acad Sci USA 1981 Nov;78(11):7024-7
Genes encoding Escherichia coli aspartate transcarbamoylase: the pyrB-pyrI operon. Pauza CD, et al. **Proc Natl Acad Sci USA** 1982 Jul;79(13):4020-4
Tyrosine micro-region of E. coli L-asparaginase. Zhongxiao H, et al. **Sci Sin** 1981 Sep;24(9):1285-91
Primary structure of a large aminoacyl-tRNA synthetase. Putney SD, et al. **Science** 1981 Sep 25;213(4515):1497-501
Differential fluorescence and kinetic studies on the template-binding of RNA polymerase from parsley and Escherichia coli. Grossmann K, et al.
Z Naturforsch [C] 1982 Jan-Feb;37(1-2):81-6
Effect of penicillins on the level of inorganic pyrophosphatase in Escherichia coli K 12. Kukko EI, et al. **Z Naturforsch [C]** 1982 May-Jun;37(5-6):542-4
Interactions between tryptophan synthase from Escherichia coli and derivatives of the coenzyme pyridoxal 5'-phosphate. Merkl I, et al. **Z Naturforsch [C]** 1981 Sep-Oct;36(9-10):778-83
Screening for highly active plasmid promoters via fusion to beta-galactosidase gene. Rosner A, et al.
Z Naturforsch [C] 1982 May-Jun;37(5-6):441-4
[Proton-translocating ATPase of Escherichia coli (author's transl)] Kanazawa H, et al.
Tanpakushitsu Kakusan Koso 1981 Oct;26(13):1999-2013 (102 ref.) **(Jpn)**
[Gene duplication and transposition; the gene organization and regulation of the ornithine carbamoyl transferase in E. coli (author's transl)] Kikuchi A.
Tanpakushitsu Kakusan Koso 1982 Mar;27(4):562-78 (76 ref.) **(Jpn)**
[Antineoplastic effect of L-asparaginase] Opolski A.
Postepy Hig Med Dosw 1981 Mar-Apr;35(2):177-87 (59 ref.) **(Pol)**
[E. coli penicillin amidase. Methods for estimating the close ionization constants of ionogenic groups of the enzyme complex with substrates containing free amino groups] Nys PS, et al. **Antibiotiki** 1981 Dec;26(12):920-32 (Eng. Abstr.) **(Rus)**
[Systems of H+-K+-exchange in E. coli. Interplay with ATPase complex F1.F0] Martirosov SM, et al.
Biofizika 1981 Nov-Dec;26(6):1033-6 (Eng. Abstr.) **(Rus)**
[Isolation and some properties of polynucleotide phosphorylase from E. coli] Bagdonas AS, et al.
Biokhimiia 1981 May;46(5):802-8 (Eng. Abstr.) **(Rus)**
[Phenylalanyl-tRNA synthetase from E. coli MRE-600. Effect of chemical modification of lysine residues on the enzyme interaction with substrates] Gorshkova II, et al. **Biokhimiia** 1981 Apr;46(4):699-707 (Eng. Abstr.) **(Rus)**
[Cobalamins and tRNA methyltransferase activity in E. coli ceils] Kal'nev VR, et al. **Biokhimiia** 1981 Oct;46(10):1773-9 (Eng. Abstr.) **(Rus)**
[Role of RNA polymerase in ensuring fidelity in copying the template during transcription in E. coli] Kamzolova SG, et al. **Biokhimiia** 1981 Apr;46(4):717-22 (Eng. Abstr.) **(Rus)**
[Isolation, purification and properties of restriction endonuclease EcoRII] Kosykh VG, et al. **Biokhimiia** 1982 Apr;47(4):619-25 (Eng. Abstr.) **(Rus)**
[Comparative study of properties of periplasmic and membrane-bound alkaline phosphatase of E. coli] Krupianko VI, et al. **Biokhimiia** 1981 Jul;46(7):1249-57 (Eng. Abstr.) **(Rus)**
[Use of affinity chromatography for the purification of specific endonuclease Eco RI and Bg1 II] Miroshnichenko OI, et al. **Biokhimiia** 1982 Apr;47(4):686-94 (Eng. Abstr.) **(Rus)**
[Intercellular serine proteinases from spore-forming bacilli] Strongin AIa, et al. **Biokhimiia** 1981 Aug;46(8):1347-63 (77 ref.) (Eng. Abstr.) **(Rus)**
[Biosynthesis of early enzymes induced by bacteriophage T4] Vaitkiavichene RS, et al. **Biokhimiia** 1981 Sep;46(9):1596-602 (Eng. Abstr.) **(Rus)**
[Properties of E. coli adenine aminohydrolase] Sokovnina IaM, et al. **Biull Eksp Biol Med** 1981 Aug;92(8):42-4 (Eng. Abstr.) **(Rus)**
[Topography of the interaction of bacterial RNA polymerase subunits with lac UV5 promotor] Chenchik AA, et al.
Dokl Akad Nauk SSSR 1981;260(3):765-8 **(Rus)**
[Modification of the operator-promotor portion of phage lambda DNA within a specific complex with Escherichia coli RNA polymerase] Gusev VA, et al.
Dokl Akad Nauk SSSR 1981;260(3):753-6 **(Rus)**
[Primary structure of Escherichia coli RNA-polymerase. The nucleotide sequence of the rpoC gene and the amino acid sequence of the beta'-subunit] Ovchinnikov IuA, et al. **Dokl Akad Nauk SSSR** 1981;261(3):763-8 **(Rus)**
[Effect of the primary structure of RNA on the pulse character of RNA elongation in vitro by Escherichia coli RNA polymerase: a model] Aivazashvili VA, et al.
Mol Biol (Mosk) 1981 Jul-Aug;15(4):915-29 (Eng. Abstr.) **(Rus)**
[Nucleotide analogs with modified sugar residue, in the RNA synthesis reaction of RNA polymerase from Escherichia coli] Aivazashvili VA, et al. **Mol Biol (Mosk)** 1982 May-Jun;16(3):493-8 (Eng. Abstr.) **(Rus)**
[Study of affinity modification kinetics as an approach to demonstrating cooperativity between substrate-recognition centers of bicentric enzymes] Beznedel'naia NI, et al.
Mol Biol (Mosk) 1981 Sep-Oct;15(5):1102-8 (Eng. Abstr.) **(Rus)**
[Contacts of Escherichia coli RNA polymerase subunits with nucleotides of lacUV5 promoter] Chenchik AA, et al.
Mol Biol (Mosk) 1982 Jan-Feb;16(1):35-46 (Eng. Abstr.) **(Rus)**
[Col E1 DNA transcription in Escherichia coli RNA-polymerase system in vitro] Denisova LIa, et al.
Mol Biol (Mosk) 1981 Jul-Aug;15(4):768-78 (Eng. Abstr.) **(Rus)**
[Molecular mechanisms of stabilization and preparation of metabolic breaks in DNA strands in vivo. I. Tandem action of exonuclease V and DNA polymerase II] Fradkin GE, et al. **Mol Biol (Mosk)** 1982 Jan-Feb;16(1):55-8 (Eng. Abstr.) **(Rus)**
[Modification of RNA polymerase from Escherichia coli by fluoresceinbimercuriacetate] Kamzolova SG.
Mol Biol (Mosk) 1982 Mar-Apr;16(2):434-9 (Eng. Abstr.) **(Rus)**
[Membrane-bound precursor of E. coli periplasmic alkaline phosphatase: isolation and some properties] Kolot MN, et al. **Mol Biol (Mosk)** 1981 Jan-Feb;15(1):103-14 (Eng. Abstr.) **(Rus)**
[Effects of pyridoxal-phosphate and its 4'- and 5'-substituted analogs on macromolecular structure of Escherichia coli glutamate decarboxylase] Kulikova AI, et al.
Mol Biol (Mosk) 1982 May-Jun;16(3):585-92 (Eng. Abstr.) **(Rus)**
[Pyrophosphate analogs in the pyrophosphorolysis reaction catalyzed by Escherichia coli RNA polymerase] Rozovskaia TA, et al. **Mol Biol (Mosk)** 1981 Nov-Dec; 15(6):1205-23 (Eng. Abstr.) **(Rus)**
[Modification of Escherichia coli RNA polymerase by diethylpyrocarbonate. II. Binding and unwinding of double-stranded DNA] Rozovskaia TA, et al.
Mol Biol (Mosk) 1981 Jan-Feb;15(1):79-85 (Eng. Abstr.) **(Rus)**
[Protection of segments of replicative form I of phiX174 phage DNA recognized by HindII, BspRI, and AluI restrictases by Escherichia coli RNA-polymerase] Shemiakin MF, et al. **Mol Biol (Mosk)** 1981 Sep-Oct; 15(5):1144-57 (Eng. Abstr.) **(Rus)**
[Kinetic determination of the non-specific constants for the binding of Escherichia coli RNA polymerase to T7 phage DNA] Zavriev SK, et al. **Mol Biol (Mosk)** 1982 Jan-Feb; 16(1):156-9 (Eng. Abstr.) **(Rus)**
[Synthesis of aspartate decarboxylase in Escherichia coli strains] Ruzgene AV, et al. **Prikl Biokhim Mikrobiol** 1982 Jan-Feb;18(1):29-33 (Eng. Abstr.) **(Rus)**
[Analysis of galactose-1-phosphate uridyltransferase from different sources using electrophoresis in polyacrylamide gel] Granovskii NN, et al. **Vopr Med Khim** 1982 Mar-Apr; 28(2):24-6 (Eng. Abstr.) **(Rus)**
[Recognition sites of adenine DNA-methylases from cells of E. coli] Lopatina NG, et al. **Vopr Med Khim** 1981 Mar-Apr;27(2):220-3 (Eng. Abstr.) **(Rus)**

GENETICS

Replication and expression of fragments of phage PM2 cloned in Escherichia coli K-12. Grzesiuk E, et al.
Acta Microbiol Pol 1981;30(4):307-18
Expression of ribosomal genes in bacteria. Lindahl L, et al.
Adv Genet 1982;21:53-121 (207 ref.)
Transfer of drug resistance and enterotoxin production in porcine Escherichia coli strains and relationship between K88 antigen and raffinose (melitose) fermentation. de Lopez AG, et al. **Am J Vet Res** 1982 Mar;43(3):499-501
Rapid identification of Escherichia coli transformed by pBR322 carrying inserts at the PstI Site. Boyko WL, et al. **Anal Biochem** 1982 May 1;122(1):85-8
A rapid boiling method for the preparation of bacterial plasmids. Holmes DS, et al. **Anal Biochem** 1981 Jun; 114(1):193-7
The maltose system as a tool in molecular biology.
Ann Microbiol (Paris) 1982 Jan;133A(1):1-204
Genetic studies concerning the mechanism of secretion of the maltose-binding protein of Escherichia coli. Bassford PJ Jr. **Ann Microbiol (Paris)** 1982 Jan;133A(1):91-9
Structure of the malB regulatory interval. Bedouelle H.
Ann Microbiol (Paris) 1982 Jan;133A(1):65-70
Genetic approaches to study export of LamB to the outer membrane. Benson S, et al. **Ann Microbiol (Paris)** 1982 Jan;133A(1):115-22
Systems for generating and detecting mutations in the galactose operon promoter region. Busby S, et al.
Ann Microbiol (Paris) 1982 Mar-Apr;133(2):219-24
Role of the catabolite activator protein in the expression of the maltose regulon of Escherichia coli. Chapon C.
Ann Microbiol (Paris) 1982 Jan;133A(1):77-80
A system for genetic analysis in gene lamB: first results with lambda-resistant tight mutants. Clément JM, et al.
Ann Microbiol (Paris) 1982 Jan;133A(1):9-20
Expression in Escherichia coli K12 of the cloned genes for a major outer membrane protein (OmpA protein) from Shigella dysenteriae, Enterobacter aerogenes and Serratia marcescens. Cole ST, et al. **Ann Microbiol (Paris)** 1982 Mar-Apr;133(2):209-13
Rho mutations may unmask promoter activity in Escherichia coli K12. Colonna B, et al. **Ann Microbiol (Paris)** 1982 Jan;133A(1):87-90
Superposition of genetic sites in the regulatory region of the bipolar argECBH operon of Escherichia coli. Cunin R, et al. **Ann Microbiol (Paris)** 1982 Mar-Apr;133(2):235-41
Antitermination of transcription by the N-gene protein of bacteriophage lambda: recent progress and remaining problems. Greenblatt J. **Ann Microbiol (Paris)** 1982 Mar-Apr;133(2):225-33
Pleiotropic expression of catabolic operons in the absence of the cAMP-CAP complex: the case of the maltose regulon. Guidi-Rontani C, et al. **Ann Microbiol (Paris)** 1982 Jan;133A(1):81-5
Presentation of the maltose system and of the workshop. Hofnung M. **Ann Microbiol (Paris)** 1982 Jan;133A(1):5-8
Function of the signal peptides in protein secretion across the membrane. Inouye S, et al. **Ann Microbiol (Paris)** 1982 Mar-Apr;133(2):257-9
Synthesis of mRNA of malB operons at specific stages in the cell cycle of Escherichia coli. Ohki M, et al.
Ann Microbiol (Paris) 1982 Jan;133A(1):71-5
Pleiotropic mutants affecting the secretory apparatus of Escherichia coli. Oliver D, et al. **Ann Microbiol (Paris)** 1982 Jan;133A(1):105-10
Plasmid-mediated invasiveness of 'Shigella-like' Escherichia coli. Sansonetti PJ, et al. **Ann Microbiol (Paris)** 1982 May-Jun;133(3):351-5
Suspected epidemiological relationships among strains of Escherichia coli O55:B5 confirmed by restriction pattern analysis of the carried plasmid (RColBM IncFIII). Sasarman A, et al. **Ann Microbiol (Paris)** 1981 Nov-Dec; 132 B(3):387-98
PHO-regulon of Escherichia coli K12: a minireview. Tommassen J, et al. **Ann Microbiol (Paris)** 1982 Mar-Apr; 133(2):243-9 (28 ref.)
Genetic analysis of the major outer membrane proteins of Escherichia coli. Hall MN, et al. **Annu Rev Genet** 1981; 15:91-142 (247 ref.)
Mutants of Escherichia coli that are resistant to certain beta-lactam compounds lack the ompF porin. Harder KJ, et al. **Antimicrob Agents Chemother** 1981 Oct;20(4):549-52
Spread of R-plasmids among Escherichia coli causing urinary tract infections. Hughes C, et al.
Antimicrob Agents Chemother 1981 Oct;20(4):496-502
Chloramphenicol transposons found in Salmonella naestved and Escherichia coli of domestic animal origin. Terakado N, et al. **Antimicrob Agents Chemother** 1981 Sep;20(3):382-6
Genetic and biochemical characterization of an Escherichia coli K-12 mutant with an altered outer membrane protein. Tommassen J, et al. **Antonie Van Leeuwenhoek** 1981; 47(4):325-37
Antimicrobial resistance transfer in transport media. George BA, et al. **Appl Environ Microbiol** 1981 Sep;42(3):548-9
Expression of a proline-enriched protein in Escherichia coli. Kangas TT, et al. **Appl Environ Microbiol** 1982 Mar; 43(3):629-35
Conjugal transfer of R-plasmid R1drd-19 in Escherichia coli below 22 degrees C. Singleton P, et al.
Appl Environ Microbiol 1981 Nov;42(5):789-91
Exchange of colicin receptor capacity between strains of Escherichia coli sensitive or resistant to colicin K-K235. Brunner DP, et al. **Arch Microbiol** 1982 May;131(3):229-34
Low level and high level DNA rearrangements in Escherichia coli. Bukhari AI, et al. **Basic Life Sci** 1982; 20:235-44
Genetic deregulation of ethanol-related genes. Clark DP, et al. **Basic Life Sci** 1982;19:363-9
Methylation-instructed mismatch correction as a postreplication error avoidance mechanism in Escherichia coli. Glickman BW. **Basic Life Sci** 1982;20:65-87 (64 ref.)
Cellular defense mechanisms against alkylation of DNA. Lindahl T, et al. **Basic Life Sci** 1982;20:89-102
Expression of a foreign procaryotic gene in Bacillus subtilis. Lovett PS, et al. **Basic Life Sci** 1982;19:51-7
Mutants of Escherichia coli K12 which affect excision of transposon Tn10. Lundblad V, et al. **Basic Life Sci** 1982; 20:245-58
Regulation and functions of Escherichia coli genes induced by DNA damage. Walker GC, et al. **Basic Life Sci** 1982; 20:43-63 (47 ref.)
Genetic labeling of an Ent plasmid that encodes heat-stable enterotoxin of enterotoxigenic Escherichia coli isolated from patients. Takeda T, et al. **Biken J** 1981 Dec; 24(4):127-35
Post replication repair in an excision defective strain of Escherichia coli following treatment with cis dichlorodiammineplatinum(II). Alazard RJ, et al.
Biochem Biophys Res Commun 1982 Jan 29;104(2):693-700
The single-strands of yeast autonomously replicating DNA segments are not recognized as origins of replication by Escherichia coli DNA replication proteins. Bieker JJ, et al. **Biochem Biophys Res Commun** 1981 Jul 16; 101(1):194-200
Chromosomal incompatibility in Escherichia coli K-12: a new explanation for the observed instability of minichromosome inheritance. Buysse JM, et al.
Biochem Biophys Res Commun 1982 Jun 15;106(3):748-55
Selection of recA+ recombinant cosmids: an easy method

for making recA strains temporarily Rec+, permitting P1-mediated transduction in a recA background and transduction of a recA mutation. Chippaux M, et al. **Biochem Biophys Res Commun** 1982 Jun 30;106(4):1269-71

Resistance to the peptide-like antibiotic negamycin in Escherichia coli. Corchuelo MC, et al. **Biochem Biophys Res Commun** 1981 Jun;100(4):1497-503

Homogeneous interferon from E. coli depresses hepatic cytochrome P-450 and drug biotransformation. Singh G, et al. **Biochem Biophys Res Commun** 1982 Jun 30; 106(4):1256-61

Biosynthesis of o-succinylbenzoic acid in a men- Escherichia coli mutant requires decarboxylation of L-glutamate at the C-1 position. Meganathan R, et al. **Biochemistry** 1981 Sep 1;20(18):5336-40

Diffusion-driven mechanisms of protein translocation on nucleic acids. 3. The Escherichia coli lac repressor---operator interaction: kinetic measurements and conclusions. Winter RB, et al. **Biochemistry** 1981 Nov 24; 20(24):6961-77

Diffusion-driven mechanisms of protein translocation on nucleic acids. 2. The Escherichia coli repressor---operator interaction: equilibrium measurements. Winter RB, et al. **Biochemistry** 1981 Nov 24;20(24):6948-60

Cloning of the gene for the respiratory D-lactate dehydrogenase of Escherichia coli. Young IG, et al. **Biochemistry** 1982 Apr 27;21(9):2092-5

Construction of gapped circular DNA from phage M13 by in vitro hybridization. Courage-Tebbe U, et al. **Biochim Biophys Acta** 1982 Apr 26;697(1):1-5

Cloning of genes for bacteriophage T5 stable RNAs. Ksenzenko VN, et al. **Biochim Biophys Acta** 1982 May 31; 697(2):235-42

A computer method for construction of secondary structure from polynucleotide sequence. Possible structure of the bacterial replication origin. Ooi T, et al. **Biochim Biophys Acta** 1981 Sep 28;655(2):221-9

Transformation of E. coli using homopolymer-linked plasmid chimeras. Peacock SL, et al. **Biochim Biophys Acta** 1981 Sep 28;655(2):243-50

Rapid inactivation of bacteriophage T7 by ascorbic acid is repairable. Richter HE, et al. **Biochim Biophys Acta** 1982 Apr 26;697(1):25-30

A transcriptionally active plasmid-protein complex isolated from Escherichia coli. Wu FY, et al. **Biochim Biophys Acta** 1982 Mar 29;696(3):231-8

Restriction map of the cya region of the Escherichia coli K12 chromosome. Roy A, et al. **Biochimie** 1981 Aug-Sep; 63(8-9):719-22

Effect of antibiotics on fatty acid composition of strains of E. coli K12 carrying R-plasmids. Andreev LV, et al. **Biol Bull Acad Sci USSR** 1980 Sep-Oct;7(5):400-7

Evidence that dimers remaining in preinduced Escherichia coli B/r Hcr+ become insensitive after DNA replication to the extract from Micrococcus luteus. Sedliaková M, et al. **Biophys J** 1981 Nov;36(2):429-41

Notes on the appearance of double and triple anomalies in Escherichia coli strains. Thaller MC, et al. **Boll Ist Sieroter Milan** 1981;60(1):74-6

Differential effects of ethanol and the rpsL1 (strA1) ribosomal mutation on the synthesis of an unusual protein coded by bacteriophages R17 and MS2 RNA. Laughrea M. **Can J Biochem** 1981 Oct;59(10):799-801

A Col E1 hybrid plasmid containing Escherichia coli genes complementing d-xylose negative mutants of Escherichia coli and Salmonella typhimurium. Maleszka R, et al. **Can J Biochem** 1982 Feb;60(2):144-51

The anaerobic sn-glycerol-3-phosphate dehydrogenase: cloning and expression of the glpA gene of Escherichia coli and identification of the glpA products. Schryvers A, et al. **Can J Biochem** 1982 Mar;60(3):224-31

Mapping of a new pan mutation in Escherichia coli K-12. Manch JN. **Can J Microbiol** 1981 Nov;27(11):1231-3

Recombination-deficient mutations and thymineless death in Escherichia coli K12: reciprocal effects of recBC and recF and indifference of recA mutations. Nakayama H, et al. **Can J Microbiol** 1982 Apr;28(4):425-30

Comparison of the mutagenic activity of dialkylnitrosamines in animal-mediated and in vitro assays using an Escherichia coli indicator. Kerklaan P, et al. **Carcinogenesis** 1981; 2(9):909-14

Much of spontaneous mutagenesis in Escherichia coli is due to error-prone DNA repair: implications for spontaneous carcinogenesis. Sargentini NJ, et al. **Carcinogenesis** 1981; 2(9):863-72

An E. coli gene coding for a protamine-like protein. Altman S, et al. **Cell** 1981 Nov;26(3 Pt 1):299-304

A symmetrical six-base-pair target site sequence determines Tn10 insertion specificity. Halling SM, et al. **Cell** 1982 Jan; 28(1):155-63

Multilevel regulation of bacteriophage lambda lysogeny by the E. coli himA gene. Miller HI. **Cell** 1981 Jul;25(1):269-76

Growth-rate-dependent regulation of ribosome synthesis in E. coli: expression of the lacZ and galK genes fused to ribosomal promoters. Miura A, et al. **Cell** 1981 Sep; 25(3):773-82

Regulation of the S10 ribosomal protein operon in E. coli: nucleotide sequence at the start of the operon. Olins PO, et al. **Cell** 1981 Oct;26(2 Pt 2):205-11

Recombination activities of E. coli recA protein. Radding CM. **Cell** 1981 Jul;25(1):3-4 (23 ref.)

The tyrT locus: termination and processing of a complex transcript. Rossi J, et al. **Cell** 1981 Nov;26(3 Pt 1):305-14

Studies on transfer ribonucleic acids and related compounds. XXXIX. Chemical synthesis of heptadeca- and hexadecaribonucleotides corresponding to the 3'-terminus of the tRNAfMet of E. coli. Ohtsuka E, et al. **Chem Pharm Bull (Tokyo)** 1981 Oct;29(10):2799-806

Internal rearrangements of IS2 in Escherichia coli. Ahmed A, et al. **Cold Spring Harbor Symp Quant Biol** 1980;45 Pt 1:141-51

Tn3: transposition and control. Casadaban MJ, et al. **Cold Spring Harbor Symp Quant Biol** 1980;45 Pt 1:269-73

Instability of palindromic DNA in Escherichia coli. Collins J. **Cold Spring Harbor Symp Quant Biol** 1980;45 Pt 1:409-16

Identification of a sex-factor-affinity site in E. coli as gamma delta. Guyer MS, et al. **Cold Spring Harbor Symp Quant Biol** 1980;45 Pt 1:135-40

Studies on transposition mechanisms and specificity of IS4. Klaer R, et al. **Cold Spring Harbor Symp Quant Biol** 1980; 45 Pt 1:215-24

Genetic and sequencing studies of the specificity of transposition into the lac region of E. coli. Miller JH, et al. **Cold Spring Harbor Symp Quant Biol** 1980;45 Pt 1:243-57

Structure and function of the phage lambda att site: size, int-binding sites, and location of the crossover point. Mizuuchi K, et al. **Cold Spring Harbor Symp Quant Biol** 1980;45 Pt 1:429-37

Inverted-repeat nucleotide sequences in Escherichia coli and Caulobacter crescentus. Nisen P, et al. **Cold Spring Harbor Symp Quant Biol** 1980;45 Pt 1:81-5

Substitution of silent bacterial genes by a bacteriophage lambda variant carrying IS1. Olson E, et al. **Cold Spring Harbor Symp Quant Biol** 1980;45 Pt 1:205-12

Genome fusion. Potter H, et al. **Cold Spring Harbor Symp Quant Biol** 1980;45 Pt 1:371-83

Kinetics and topology of homologous pairing promoted by Escherichia coli recA-gene protein. Radding CM, et al. **Cold Spring Harbor Symp Quant Biol** 1980;45 Pt 1:385-90

Mutants of Escherichia coli affected in the processes of transposition and genomic rearrangements. Smirnov GB, et al. **Cold Spring Harbor Symp Quant Biol** 1980;45 Pt 1:193-200

A study of the dissemination of Tn1681: a bacterial transposon encoding a heat-stable toxin among enterotoxigenic Escherichia coli isolates. So M, et al. **Cold Spring Harbor Symp Quant Biol** 1980;45 Pt 1:53-8

Microbial factories for the production of animal proteins. Fraser TH. **CRC Crit Rev Food Sci Nutr** 1982;16(2):217-27 (21 ref.)

Absence of arsenite mutagenicity in E coli and Chinese hamster cells. Rossman TG, et al. **Environ Mutagen** 1980; 2(3):371-9

The conservation of DNA sequences over very long periods of evolutionary time. Evidence against intergeneric chromosomal transfer as an explanation for the presence of Escherichia coli tuf gene sequences in taxonomically-unrelated prokaryotes. Filer D, et al. **Eur J Biochem** 1981 Nov;120(1):69-77

Expression of the gene for Escherichia coli initiation factor IE-3 in vivo and in vitro. Lestienne P, et al. **Eur J Biochem** 1982 Apr;123(3):483-8

Cold-sensitive ribosome assembly in an Escherichia coli mutant lacking a single methyl group in ribosomal protein L3. Lhoest J, et al. **Eur J Biochem** 1981 Dec;121(1):33-7

Solid-phase sequence analysis of polypeptides eluted from polyacrylamide gels. An aid to interpretation of DNA sequences exemplified by the Escherichia coli unc operon and bacteriophage lambda. Walker JE, et al. **Eur J Biochem** 1982 Apr 1;123(2):253-60

thiD locus of Escherichia coli. Imamura N, et al. **Experientia** 1981 Dec 15;37(12):1265-6

Mature 23 SrRNA of prokaryotes appears homologous with the precursor of 25--28 rRNA of eukaryotes: comments on the evolution of 23--28 rRNA. Cox RA, et al. **FEBS Lett** 1981 Jul 20;130(1):1-6

Existence of several homologous sequences in the Escherichia coli chromosome to the gene for the major outer membrane lipoprotein. Huang YX, et al. **FEBS Lett** 1982 Jan 25;137(2):168-70

Isolation of Escherichia coli mutants which are resistant to an inhibitor of H+-ATPase, tributyltin and also to uncouplers of oxidative phosphorylation. Ito M, et al. **FEBS Lett** 1981 Dec 28;136(2):225-30

Effects of purine and pyrimidine nucleoside 5'-di(tri) phosphate-3'-diphosphates on the Escherichia coli cell-free transcription and translation activity. Mukai J, et al. **FEBS Lett** 1982 May 17;141(2):251-3

Amino acid sequence of the signal peptide of OmpF, a major outer membrane protein of Escherichia coli. Mutoh N, et al. **FEBS Lett** 1982 Jan 25;137(2):171-4

Regulation of the expression of tufA and tufB, the two genes coding for the elongation factor EF-Tu in Escherichia coli. van der Meide PH, et al. **FEBS Lett** 1982 Mar 22; 139(2):325-30

Amino acid sequence homologies between Escherichia coli penicillin-binding protein 5 and class A beta-lactamases. Waxman DJ, et al. **FEBS Lett** 1982 Mar 22;139(2):159-63

The tonB gene product in Escherichia coli. Energy-coupling or molecular processing of permeases? Wookey P. **FEBS Lett** 1982 Mar 22;139(2):145-54 (82 ref.)

Transposon Tn10: genetic organization, regulation, and insertion specificity. Kleckner N, et al. **Fed Proc** 1982 Aug; 41(10):2649-52

A rapid and economic method for estimation of the number of plasmid copies in Escherichia coli cells. Hochmannová J, et al. **Folia Microbiol (Praha)** 1982;27(2):138-41

The recA-dependent spontaneous degradation of proximal F merogenotes in Escherichia coli. Hubáček J, et al. **Folia Microbiol (Praha)** 1982;27(1):1-6

Failure of chloroform to induce chromosome damage or sister-chromatid exchanges in cultured human lymphocytes and failure to induce reversion in Escherichia coli. Kirkland DJ, et al. **Food Cosmet Toxicol** 1981 Oct;19(5):651-6

Cloning a promoter that puts the expression of tetracycline resistance under the control of the regulatory elements of the mer operon. Bohlander FA, et al. **Gene** 1981 Dec; 15(4):395-403

Plasmid cloning vectors resistant to ampicillin and tetracycline which can replicate in both E. coli and Haemophilus cells. Danner DB, et al. **Gene** 1982 Apr; 18(1):101-5

One-step gene amplification by Mu-mediated transposition of E. coli genes to a multicopy plasmid. de Mendoza D, et al. **Gene** 1981 Oct;15(1):27-32

The nucleotide sequence surrounding the promoter region of colicin E1 gene. Ebina Y, et al. **Gene** 1981 Nov; 15(2-3):119-26

Construction and characterization of three yeast-Escherichia coli shuttle vectors designed for rapid subcloning of yeast genes on small DNA fragments. Ferguson J, et al. **Gene** 1981 Dec;16(1-3):191-7

The identification and partial characterization of a plasmid containing the gene for the membrane-associated hydrogenase from E. coli. Glick BR, et al. **Gene** 1981 Nov; 15(2-3):201-6

Specific-purpose plasmid cloning vectors. I. Low copy number, temperature-sensitive, mobilization-defective pSC101-derived containment vectors. Hashimoto-Gotoh T, et al. **Gene** 1981 Dec;16(1-3):227-35

Comparison of IS1, IS2 and IS3 copy number in Escherichia coli strains K-12, B and C. Hu M, et al. **Gene** 1981 Dec; 16(1-3):161-70

Functional expression of the Herpes simplex virus thymidine kinase gene in Escherichia coli K-12. Kit S, et al. **Gene** 1981 Dec;16(1-3):287-95

Leftward transcription in the Escherichia coli bio operon does not require products of the rightward transcript. Kotval J, et al. **Gene** 1982 Feb;17(2):219-22

Expression of a cloned Saccharomyces cerevisiae gene (URA1) is controlled by a bacterial promoter in E. coli and by a yeast promoter in S. cerevisiae. Loison G, et al. **Gene** 1981 Nov;15(2-3):127-37

Survival and transfer in the human gut of poorly mobilizable (pBR322) and of transferable plasmids from the same carrier E. coli. Marshall B, et al. **Gene** 1981 Aug; 14(3):145-54

An avian tumor virus promoter directs expression of plasmid genes in Escherichia coli. Mitsialis SA, et al. **Gene** 1981 Dec;16(1-3):217-25

The use of synthetic oligodeoxyribonucleotides to produce specific deletions in the araBAD promoter of Escherichia coli B/r. Miyada CG, et al. **Gene** 1982 Feb;17(2):167-77

Nucleotide sequence of the argF regulatory region of Escherichia coli K-12. Moore SK, et al. **Gene** 1981 Dec; 16(1-3):119-32

A modified pBR322 vector with improved properties for the cloning, recovery, and sequencing of blunt-ended DNA fragments. Prentki P, et al. **Gene** 1982 Feb;17(2):189-96

Cloning of small DNA fragments containing the Escherichia coli tryptophan operon promoter and operator. Russel DR, et al. **Gene** 1982 Jan;17(1):9-18

Analysis of plasmid genome evolution based on nucleotide-sequence comparison of two related plasmids of Escherichia coli. Ryder TB, et al. **Gene** 1982 Mar; 17(3):299-310

Recombinant plasmids carrying the glutamate dehydrogenase structural gene from Escherichia coli K-12. Sánchez-Pescador R, et al. **Gene** 1982 Jan;17(1):1-8

The nucleotide sequence of IS5 from Escherichia coli. Schoner B, et al. **Gene** 1981 Aug;14(3):165-74

Construction and characterization of a novel two-plasmid system for accomplishing temperature-regulated, amplified expression of cloned adventitious genes in Escherichia coli. Sninsky JJ, et al. **Gene** 1981 Dec;16(1-3):275-86

Site-specific recA-independent recombination (fusion) of pMB8-related replicons in Escherichia coli in the region of the replication origins. Tomilin NV, et al. **Gene** 1982 Jan;17(1):65-73

Expression of Escherichia coli trp genes and the mouse dihydrofolate reductase gene cloned in Bacillus subtilis. Williams DM, et al. **Gene** 1981 Dec;16(1-3):199-206

Two-dimensional display of lambda and Escherichia coli restriction fragments separated by Hg-Cs2SO4 centrifugation and gel electrophoresis. Yamagishi H, et al. **Gene** 1981 Sep;14(4):251-62

Genetic studies of D-alanine-dehydrogenase-less mutants of Escherichia coli K12. Franklin FC, et al. **Genet Res** 1981 Oct;38(2):197-208

Genetic diversity and temporal variation in the E. coli population of a human host. Caugant DA, et al. **Genetics** 1981 Jul;98(3):467-90

Dominant mutators in Escherichia coli. Cox EC, et al. **Genetics** 1982 Jan;100(1):7-18

DNA rearrangements associated with reversion of

bacteriophage Mu-induced mutations. Khatoon H, et al. **Genetics** 1981 May;98(1):1–24

Periodic selection, infectious gene exchange and the genetic structure of E. coli populations. Levin BR. **Genetics** 1981 Sep;99(1):1–23

High frequency of genetic duplications in the dnaB region of the Escherichia coli K12 chromosome. Sclafani RA, et al. **Genetics** 1981 Aug;98(4):677–89

On the cytostatic mechanism of cyclophosphamide. Inhibition of aminoacylation of transfer RNA and induction of stringent control in Escherichia coli by 4-hydroperoxycyclophosphamide. Frank S, et al. **Hoppe Seylers Z Physiol Chem** 1981 Aug;362(8):1059–68

Synthesis of deoxyribooligonucleotides complementary to the anticodon loop of formylmethionine tRNA of E. coli. Jayaraman K, et al. **Indian J Biochem Biophys** 1981 Feb; 18(1):1–6

Characterization of a colitis phage specific stable mRNA. Ramakrishna N, et al. **Indian J Biochem Biophys** 1981 Apr; 18(2):93–100

Transfer of R plasmid from Staphylococcus aureus to Escherichia coli & Vibrio cholerae. Chakrabarty AN, et al. **Indian J Exp Biol** 1981 Jun;19(6):511–5

Transformation in Escherichia coli C21: transfer of the str A gene. Dastidar SG, et al. **Indian J Exp Biol** 1981 Dec; 19(12):1110–2

Transfection assay for deoxyribonucleases. Thomas G, et al. **Indian J Exp Biol** 1981 Jul;19(7):614–6

Plasmids carrying genes for enterotoxin production and drug resistance in Escherichia coli of human origin. Panhotra BR, et al. **Indian J Med Res** 1981 Nov;74:652–5

Drug resistance and incompatibility groups of R-plasmids in intestinal Escherichia coli. Rangnekar VM, et al. **Indian J Med Res** 1982 Apr;75:492–500

Further characterization of complement resistance conferred on Escherichia coli by the plasmid genes traT of R100 and iss of ColV,I-K94. Binns MM, et al. **Infect Immun** 1982 Feb;35(2):654–9

Construction and expression of recombinant plasmids encoding type 1 or D-mannose-resistant pili from a urinary tract infection Escherichia coli isolate. Hull RA, et al. **Infect Immun** 1981 Sep;33(3):933–8

Operon fusion of the phase variation switch. A virulence factor in Escherichia coli. Eisenstein BI. **Infection** 1982; 10(2):112–5

Transferable multiple antibiotic resistance in Haemophilus influenzae. Rotimi VO, et al. **J Antimicrob Chemother** 1981 Sep;8(3):187–92

Evolution of the D-ribose operon on Escherichia coli B/r. Abou-Sabé M, et al. **J Bacteriol** 1982 May;150(2):762–9

Evidence for an internal promoter preceding tufA in the str operon of Escherichia coli. An G, et al. **J Bacteriol** 1982 Feb;149(2):548–53

Regulation of adenylate cyclase synthesis in Escherichia coli: studies with cya-lac operon and protein fusion strains. Bankaitis VA, et al. **J Bacteriol** 1982 Sep;151(3):1346–57

A multifunctional gene (tetR) controls Tn10-encoded tetracycline resistance. Beck CF, et al. **J Bacteriol** 1982 May;150(2):633–42

Regulation of the OmpA outer membrane protein of Escherichia coli. Beher MG, et al. **J Bacteriol** 1981 Sep; 147(3):972–85

Promoter mapping and selection of operator mutants by using insertion of bacteriophage Mu in the argECBH divergent operon of Escherichia coli K-12. Beny G, et al. **J Bacteriol** 1982 Jul;151(1):62–7

Transcription of Regions within the divergent argECBH operon of Escherichia coli: evidence for lack of an attenuation mechanism. Beny G, et al. **J Bacteriol** 1982 Jul;151(1):58–61

P1 transduction mapping of the trg locus in rac+ and rac strains of Escherichia coli K-12. Bitner RM, et al. **J Bacteriol** 1982 Feb;149(2):529–33

Cloning and endonuclease restriction analysis of uidA and uidR genes in Escherichia coli K-12: determination of transcription direction for the uidA gene. Blanco C, et al. **J Bacteriol** 1982 Feb;149(2):587–94

Chromosomal genes for ColV plasmid-determined iron(III)-aerobactin transport in Escherichia coli. Braun V, et al. **J Bacteriol** 1982 Aug;151(2):553–9

Tn9 and IS1 inserts in a ribosomal ribonucleic acid operon of Escherichia coli are incompletely polar. Brewster JM, et al. **J Bacteriol** 1981 Dec;148(3):897–903

Autoregulation of the tyrR gene. Camakaris H, et al. **J Bacteriol** 1982 Apr;150(1):70–5

Mapping of two loci affecting the synthesis and structure of a periplasmic protein involved in arginine and ornithine transport in Escherichia coli K-12. Celis RT. **J Bacteriol** 1982 Sep;151(3):1314–9

Mapping nonselectable genes of Escherichia coli by using transposon Tn10: location of a gene affecting pyruvate oxidase. Chang YY, et al. **J Bacteriol** 1982 Sep; 151(3):1279–89

Enhanced resistance to nitrosoguanidine killing and mutagenesis in a DNA gyrase mutant of Escherichia coli. Chao L, et al. **J Bacteriol** 1982 Aug;151(2):764–70

Role of the catabolite activator protein in the maltose regulon of Escherichia coli. Chapon C. **J Bacteriol** 1982 May; 150(2):722–9

Characterization of a gene, glnL, the product of which is involved in the regulation of nitrogen utilization in Escherichia coli. Chen YM, et al. **J Bacteriol** 1982 Apr; 150(1):214–20

Chromosomal location of att P7, the recA-independent p7 integration site used in the suppression of Escherichia coli dnaA mutations. Chesney RH, et al. **J Bacteriol** 1982 Jun; 150(3):1400–4

Transcription in bacteria at different DNA concentrations. Churchward G, et al. **J Bacteriol** 1982 May;150(2):572–81

Complementation of the leuB6 allele of Escherichia coli by cloned DNA from Mucor racemosus. Cihlar RL, et al. **J Bacteriol** 1982 Jul;151(1):521–3

High-affinity arabinose transport mutants of Escherichia coli: isolation and gene location. Clark AF, et al. **J Bacteriol** 1981 Sep;147(3):920–4

Genetic analysis of mutants affected in the Pst inorganic phosphate transport system. Cox GB, et al. **J Bacteriol** 1981 Oct;148(1):1–9

Two complementation groups mediate tetracycline resistance determined by Tn10. Curiale MS, et al. **J Bacteriol** 1982 Jul;151(1):209–15

The gene for ribosomal protein L31, rpmE, is located at 88.5 minutes on the Escherichia coli chromosomal linkage map. Dabbs ER. **J Bacteriol** 1981 Oct;148(1):379–82

The gene for ribosomal protein L13, rplM, is located near argR, at about 70 minutes on the Escherichia coli chromosomal linkage map. Dabbs ER. **J Bacteriol** 1982 Feb;149(2):779–82

Tn10 insertions in the pfkB region of Escherichia coli. Daldal F, et al. **J Bacteriol** 1981 Sep;147(3):935–43

Nucleotide sequence of the structural gene for tryptophanase of Escherichia coli K-12. Deeley MC, et al. **J Bacteriol** 1981 Sep;147(3):787–96

Transcription initiation at the tryptophanase promoter of Escherichia coli K-12. Deeley MC, et al. **J Bacteriol** 1982 Aug;151(2):942–51

Origin and direction of mini-R1 plasmid DNA replication in cell extracts of Escherichia coli. Diaz R, et al. **J Bacteriol** 1982 Jun;150(3):1077–84

Specific mutator effects of ung (uracil-DNA glycosylase) mutations in Escherichia coli. Duncan BK, et al. **J Bacteriol** 1982 Aug;151(2):750–5

Chromosomal locations of the genes for rRNA in Escherichia coli K-12. Ellwood M, et al. **J Bacteriol** 1982 Feb; 149(2):458–68

Insertion of transposons through the major cotransduction gap of Escherichia coli K-12. Fouts KE, et al. **J Bacteriol** 1982 Jan;149(1):106–13

Escherichia coli mutants in which transcription is dependent on recA function. Froehlich B, et al. **J Bacteriol** 1981 Sep; 147(3):1117–20

The B66.0 protein of Escherichia coli is the product of the dnaK+ gene. Georgopoulos C, et al. **J Bacteriol** 1982 Mar; 149(3):1175–7

Cloning and functional characterization of the plasmid-encoded hemolysin determinant of Escherichia coli. Goebel W, et al. **J Bacteriol** 1982 Sep;151(3):1290–8

Effect of nalidixic acid and novobiocin on pBR322 genetic expression in Escherichia coli minicells. Gómez-Eichelmann MC. **J Bacteriol** 1981 Dec; 148(3):745–52

Role of sulA and sulB in filamentation by lon mutants of Escherichia coli K-12. Gottesman S, et al. **J Bacteriol** 1981 Oct;148(1):265–73

Regulation of phenylalanine biosynthesis in Escherichia coli K-12: control of transcription of the pheA operon. Gowrishankar J, et al. **J Bacteriol** 1982 Jun;150(3):1130–7

lac Transcription in Escherichia coli cells treated with chloramphenicol. Graham MY, et al. **J Bacteriol** 1982 Jul; 151(1):251–61

Absence of significant membrane localization of the proteins coded by the ilvGEDAC genes of Escherichia coli K-12. Gray JE, et al. **J Bacteriol** 1982 Jul;151(1):119–26

Cloning and expression of the distal portion of the histidine operon of Escherichia coli K-12. Grisolia V, et al. **J Bacteriol** 1982 Aug;151(2):692–700

Transfer of the gonococcal penicillinase plasmid: mobilization in Escherichia coli by IncP plasmids and isolation as a DNA-protein relaxation complex. Guiney DG Jr, et al. **J Bacteriol** 1982 Apr;150(1):298–302

Polarity in the glnA operon: suppression of the reg- phenotype by rho mutations. Guterman SK, et al. **J Bacteriol** 1982 Jun;150(3):1314–21

Chromosomal mutation for citrate utilization by Escherichia coli K-12. Hall BG. **J Bacteriol** 1982 Jul;151(1):269–73

Cloning and characterization of the gene for Escherichia coli tryptophanyl-transfer ribonucleic acid synthetase. Hall CV, et al. **J Bacteriol** 1981 Dec;148(3):941–9

Occurrence and properties of composite transposon Tn2672: evolution of multiple drug resistance transposons. Hänni C, et al. **J Bacteriol** 1982 Jun;150(3):1266–73

Promoter-distal region of the tra operon of F-like sex factor R100 in Escherichia coli K-12. Hansen BS, et al. **J Bacteriol** 1982 Apr;150(1):89–99

A gene coding for a periplasmic protein is located near the locus for termination of chromosome replication in Escherichia coli. Harayama S, et al. **J Bacteriol** 1982 Sep; 151(3):1391–6

New pleiotropic alkaline phosphatase-negative mutants of Escherichia coli K-12. Heyde M, et al. **J Bacteriol** 1982 Aug;151(2):529–33

Transposition of a chromosomal segment bounded by redundant rRNA genes into other rRNA genes in Escherichia coli. Hill CW, et al. **J Bacteriol** 1982 Feb; 149(2):449–57

General method for fine mapping of the Escherichia coli K-12 lamB gene: localization of missense mutations affecting bacteriophage lambda adsorption. Hofnung M, et al. **J Bacteriol** 1981 Dec;148(3):853–60

Phenotypic expression of mutations in a wide-host-range R plasmid in Escherichia coli and Rhizobium meliloti. Hooykaas PJ, et al. **J Bacteriol** 1982 Apr;150(1):395–7

Effects of recB21, recF143, and uvrD152 on recombination in lambda bacteriophage-prophage and Hfr by F- crosses. Howard-Flanders P, et al. **J Bacteriol** 1981 Nov; 148(2):739–43

Determination of the transcription direction of the exuT gene in Escherichia coli K-12: divergent transcription of the exuT-uxaCA operons. Hugouvieux-Cotte-Pattat N, et al. **J Bacteriol** 1982 Jul;151(1):480–4

Genetics of hemolysin of Escherichia coli. Hull SI, et al. **J Bacteriol** 1982 Aug;151(2):1006–12

thiK and thiL loci of Escherichia coli. Imamura N, et al. **J Bacteriol** 1982 Aug;151(2):708–17

Lack of chemotactic response to tricarboxylic acids by Escherichia coli carrying a plasmid determining citrate utilization. Ishiguro N, et al. **J Bacteriol** 1981 Oct; 148(1):383–5

Identification of citrate utilization transposon Tn3411 from a naturally occurring citrate utilization plasmid. Ishiguro N, et al. **J Bacteriol** 1982 Mar;149(3):961–8

Ribosomal protein S4 acts in trans as a translational repressor to regulate expression of the alpha operon in Escherichia coli. Jinks-Robertson S, et al. **J Bacteriol** 1982 Jul; 151(1):193–202

Fusions of flagellar operons to lactose genes on a mu lac bacteriophage. Komeda Y. **J Bacteriol** 1982 Apr; 150(1):16–26

DNA sequence fine-structure analysis of ilvG (IlvG+) mutations of Escherichia coli K-12. Lawther RP, et al. **J Bacteriol** 1982 Jan;149(1):294–8

The catabolite-sensitive promoter for the chloramphenicol acetyl transferase gene is preceded by two binding sites for the catabolite gene activator protein. Le Grice SF, et al. **J Bacteriol** 1982 Apr;150(1):312–8

Phosphoenolpyruvate-dependent phosphotransferase system enzyme III and plasmid-encoded sucrose transport in Escherichia coli K-12. Lengeler JW, et al. **J Bacteriol** 1982 Jul;151(1):468–71

Another gene affecting sexual expression of Escherichia coli. Lerner TJ, et al. **J Bacteriol** 1982 Apr;150(1):156–60

Regulation of purE transcription in a purE::lac fusion strain of Escherichia coli. Levine RA, et al. **J Bacteriol** 1982 Mar;149(3):1041–9

Expression of a copy number control gene (copB) of plasmid R1 is constitutive and growth rate dependent. Light J, et al. **J Bacteriol** 1982 Sep;151(3):1129–35

Suppression of Escherichia coli dnaA46 mutations by integration of plasmid R100.1. derivatives: constraints imposed by the replication terminus. Louarn J, et al. **J Bacteriol** 1982 Aug;151(2):657–67

A plasmid cloning vehicle for Haemophilus influenzae and Escherichia coli. McCarthy D, et al. **J Bacteriol** 1982 Sep; 151(3):1605–7

Mutations in genes cpxA and cpxB alter the protein composition of Escherichia coli inner and outer membranes. McEwen J, et al. **J Bacteriol** 1982 Sep; 151(3):1553–9

Effect of S12 ribosomal mutations on peptide chain elongation in Escherichia coli: a hydrostatic pressure study. McMahon G, et al. **J Bacteriol** 1982 Jul;151(1):516–20

Fine-structure deletion map and complementation analysis of the glnA-glnL-glnG region in Escherichia coli. MacNeil T, et al. **J Bacteriol** 1982 Jun;150(3):1302–13

Role of gene fadR in Escherichia coli acetate metabolism. Maloy SR, et al. **J Bacteriol** 1981 Oct;148(1):83–90

DNA homology of the promoter-distal regions of the tra operons of sex factors F and R100 in Escherichia coli K-12. Manning PA, et al. **J Bacteriol** 1982 Apr;150(1):389–94

Analysis of the promoter-distal region of the tra operon of the F sex factor of Escherichia coli K-12 encoded by EcoRI restriction fragments f17, f19, and f2. Manning PA, et al. **J Bacteriol** 1982 Apr;150(1):76–88

Genetics of the glutamine transport system in Escherichia coli. Masters PS, et al. **J Bacteriol** 1981 Sep;147(3):805–19

Escherichia coli gal operon proteins made after prophage lambda induction. Merril CR, et al. **J Bacteriol** 1981 Sep; 147(3):875–87

The product of the lexC gene of Escherichia coli is single-stranded DNA-binding protein. Meyer RR, et al. **J Bacteriol** 1982 Apr;150(1):433–5

Cloning of the regulatory genes (ompR and envZ) for the matrix proteins of the Escherichia coli outer membrane. Mizuno T, et al. **J Bacteriol** 1982 Jun;150(3):1462–6

The BtuB group col plasmids and homology between the colicins they encode. Mock M, et al. **J Bacteriol** 1982 Jun; 150(3):1069–76

Construction and characterization of mutants impaired in the biosynthesis of the K88ab antigen. Mooi FR, et al. **J Bacteriol** 1982 May;150(2):512–21

The tolC locus of Escherichia coli affects the expression of three major outer membrane proteins. Morona R, et al. **J Bacteriol** 1982 Jun;150(3):1016–23

Trimethoprim-produced F-specific insertion mutations in Escherichia coli K-12. Mukhopadhyay P, et al. **J Bacteriol** 1982 May;150(2):755–61

Mutations affecting regulation of methionine biosynthetic genes isolated by use of met–lac fusions. Mulligan JT, et al. **J Bacteriol** 1982 Aug;151(2):609–19

L-serine degradation in Escherichia coli K–12: directly isolated ssd mutants and their intragenic revertants. Newman EB, et al. **J Bacteriol** 1982 May;150(2):710–5

Nucleotide sequence analysis of the complement resistance gene from plasmid R100. Ogata RT, et al. **J Bacteriol** 1982 Aug;151(2):819–27

Identification of a new gene (secA) and gene product involved in the secretion of envelope proteins in Escherichia coli. Oliver DB, et al. **J Bacteriol** 1982 May; 150(2):686–91

Complex glnA–glnL–glnG operon of Escherichia coli. Pahel G, et al. **J Bacteriol** 1982 Apr;150(1):202–13

Isolation and behavior of Escherichia coli deletion mutants lacking chemotaxis functions. Parkinson JS, et al. **J Bacteriol** 1982 Jul;151(1):106–13

Cointegrate formation between homologous plasmids in Escherichia coli. Peterson BC, et al. **J Bacteriol** 1982 Sep; 151(3):1086–94

Specialized transduction with lambda plac5: dependence on recB. Porter RD, et al. **J Bacteriol** 1982 Jun;150(3):1485–8

Use of in vitro gene fusions to study the uxuR regulatory gene in Escherichia coli K–12: direction of transcription and regulation of its expression. Ritzenthaler P, et al. **J Bacteriol** 1982 Jun;150(3):1040–7

Isolation of single-site Escherichia coli mutants deficient in thiamine and 4–thiouridine syntheses: identification of a nuvC mutant. Ryals J, et al. **J Bacteriol** 1982 Aug; 151(2):899–904

Powerful mutator activity of the polA1 mutation within the histidine region of Escherichia coli K–12. Savić DJ, et al. **J Bacteriol** 1982 Mar;149(3):955–60

Regulation of the Escherichia coli K–12 uvrB operon. Schendel PF, et al. **J Bacteriol** 1982 May;150(2):676–85

Plasmid–mediated uptake and metabolism of sucrose by Escherichia coli K–12. Schmid K, et al. **J Bacteriol** 1982 Jul;151(1):68–76

Mapping of two ugp genes coding for the pho regulon–dependent sn–glycerol–3–phosphate transport system of Escherichia coli. Schweizer H, et al. **J Bacteriol** 1982 Jun;150(3):1164–71

Genetic mapping of ada and adc mutations affecting the adaptive response of Escherichia coli to alkylating agents. Sedgwick B. **J Bacteriol** 1982 May;150(2):984–8

Construction of a hybrid plasmid capable of replication in the bacterium Escherichia coli and the cyanobacterium Anacystis nidulans. Sherman LA, et al. **J Bacteriol** 1982 Apr;150(1):410–3

Comparison of DNA sequences required for the function of citrate utilization among different citrate utilization plasmids. Shinagawa M, et al. **J Bacteriol** 1982 Aug; 151(2):1046–50

Gene cpxA is a new addition to the linkage map of Escherichia coli K–12. Silverman PM. **J Bacteriol** 1982 Apr;150(1):425–8

Mapping of a plasmid, coding for colonization, factor antigen I and heat–stable enterotoxia production, isolated from an enterotoxigenic strain of Escherichia coli. Smith HR, et al. **J Bacteriol** 1982 Jan;149(1):264–75

Molecular cloning of four tricarboxylic acid cyclic genes of Escherichia coli. Spencer ME, et al. **J Bacteriol** 1982 Aug; 151(2):542–52

Physical characterization of the ilvHI operon of Escherichia coli K–12. Squires CH, et al. **J Bacteriol** 1981 Sep; 147(3):797–804

Requirement of Fnr and NarL functions for nitrate reductase expression in Escherichia coli K–12. Stewart V. **J Bacteriol** 1982 Sep;151(3):1320–5

Nitrate reductase in Escherichia coli K–12: involvement of chlC, chlE, and chlG loci. Stewart V, et al. **J Bacteriol** 1982 Aug;151(2):788–99

Resident enhanced repair: novel repair process action on plasmid DNA transformed into Escherichia coli K–12. Strike P, et al. **J Bacteriol** 1982 Apr;150(1):385–8

Effect of catabolite repression on the mer operon. Summers AO, et al. **J Bacteriol** 1982 Jan;149(1):191–7

Valine–resistant Escherichia coli K–12 strains with mutations in the ilvB operon. Sutton A, et al. **J Bacteriol** 1981 Dec; 148(3):998–1001

Mutations in genes cpxA and cpxB of Escherichia coli K–12 cause a defect in acetohydroxyacid synthase I function in vivo. Sutton A, et al. **J Bacteriol** 1982 Aug;151(2):976–82

Role of exonuclease III in the base excision repair of uracil–containing DNA. Taylor AF, et al. **J Bacteriol** 1982 Jul;151(1):351–7

Relative map location of the rep and rho genes of Escherichia coli. Tessman I, et al. **J Bacteriol** 1982 Sep;151(3):1637–40

Evidence that the two Escherichia coli groE morphogenetic gene products interact in vivo. Tilly K, et al. **J Bacteriol** 1982 Mar;149(3):1082–8

Cloning of phoE, the structural gene for the Escherichia coli phosphate limitation–inducible outer membrane pore protein. Tommassen J, et al. **J Bacteriol** 1982 Feb; 149(2):668–72

Mutations that alter the transport function of the LamB protein in Escherichia coli. Wandersman C, et al. **J Bacteriol** 1982 Jul;151(1):15–21

Determining the phoM map location in Escherichia coli K–12 by using a nearby transposon Tn10 insertion. Wanner BL, et al. **J Bacteriol** 1982 Apr;150(1):429–32

Plasmid–determined immunity of Escherichia coli K–12 to colicin Ia Is mediated by a plasmid–encoded membrane protein. Weaver CA, et al. **J Bacteriol** 1981 Dec; 148(3):817–28

Tetracycline resistance transposon Tn1721: recA–dependent gene amplification and expression of tetracycline resistance. Wiebauer K, et al. **J Bacteriol** 1981 Sep;147(3):851–9

Molecular organization of heat–labile enterotoxin genes originating in Escherichia coli of human origin and construction of heat–labile toxoid–producing strains. Yamamoto T, et al. **J Bacteriol** 1981 Dec;148(3):983–7

Several copies of the same insertion sequence are present in alpha–hemolytic plasmids belonging to four different incompatibility groups. Zabala JC, et al. **J Bacteriol** 1982 Jul;151(1):472–6

Cloning in Escherichia coli of the structural gene of prorennin, the precursor of calf milk–clotting enzyme renin. Nishimori K, et al. **J Biochem (Tokyo)** 1981 Sep;90(3):901–4

ColE1 vectors for direct selection of cells carrying a hybrid plasmid. Ozaki LS, et al. **J Biochem (Tokyo)** 1982 Apr; 91(4):1155–62

Cloning and characterization of ribosomal RNA gene of Physarum polycephalum. Sakaki Y, et al. **J Biochem (Tokyo)** 1981 Jun;89(6):1693–8

Evidence for two functional gal promoters in intact Escherichia coli cells. Aiba H, et al. **J Biol Chem** 1981 Nov 25;256(22):11905–10

A mutation in the rnh–locus of Escherichia coli affects the structural gene for RNase H. Examination of the mutant and wild type protein. Arendes J, et al. **J Biol Chem** 1982 May 10;257(9):4719–22

Precise location of two promoters for the beta–lactamase gene of pBR322. S1 mapping of ribonucleic acid isolated from Escherichia coli or synthesized in vitro. Brosius J, et al. **J Biol Chem** 1982 Aug 10;257(15):9205–10

Targeted point mutation that creates a unique Eco RI site within the signal codons of the beta–lactamase gene without altering enzyme secretion or processing. Charles AD, et al. **J Biol Chem** 1982 Jul 25;257(14):7930–2

Regulation of tryptophan operon expression by attenuation in cell–free extracts of Escherichia coli. Das A, et al. **J Biol Chem** 1982 Aug 10;257(15):8795–8

Localization and processing of outer membrane and periplasmic proteins in Escherichia coli strains harboring export–specific suppressor mutations. Emr SD, et al. **J Biol Chem** 1982 May 25;257(10):5852–60

Massive accumulation of phosphatidic acid in conditionally lethal CDP–diglyceride synthetase mutants and cytidine auxotrophs of Escherichia coli. Ganong BR, et al. **J Biol Chem** 1982 Jan 10;257(1):389–94

Initiation, pausing, and termination of transcription in the threonine operon regulatory region of Escherichia coli. Gardner JF. **J Biol Chem** 1982 Apr 10;257(7):3896–904

Intermediate stages in enzymatic replication of bacteriophage fd duplex DNA. Geider K, et al. **J Biol Chem** 1982 Jun 10;257(11):6488–93

Extensive homology between membrane–associated components of histidine and maltose transport systems of Salmonella typhimurium and Escherichia coli. Gilson E, et al. **J Biol Chem** 1982 Sep 10;257(17):9915–8

Purification of the TET repressor and TET operator from the transposon Tn10 and characterization of their interaction. Hillen W, et al. **J Biol Chem** 1982 Jun 10; 257(11):6605–13

The rho subunit of RNA polymerase holoenzyme confers specificity in priming M13 viral DNA replication. Kaguni JM, et al. **J Biol Chem** 1982 May 25;257(10):5437–43

Left–handed DNA. Cloning, characterization, and instability of inserts containing different lengths of (dC–dG) in Escherichia coli. Klysik J, et al. **J Biol Chem** 1982 Sep 10;257(17):10152–8

Protein n, a primosomal DNA replication protein of Escherichia coli. Purification and characterization. Low RL, et al. **J Biol Chem** 1982 Jun 10;257(11):6242–50

DNA determinants important in sequence recognition by Eco RI endonuclease. Lu AL, et al. **J Biol Chem** 1981 Dec 25;256(24):13200–6

Maximal limits of the Escherichia coli replication factor Y effector site sequences in pBR322 DNA. Marians KJ, et al. **J Biol Chem** 1982 May 25;257(10):5656–62

In vitro transcription of the supB–E tRNA operon of Escherichia coli. Characterization of transcription products. Nakajima N, et al. **J Biol Chem** 1982 Sep 25; 257(18):11113–20

Altered cation coupling to melibiose transport in mutants of Escherichia coli. Niiya S, et al. **J Biol Chem** 1982 Aug 10;257(15):8902–6

Isolation and characterization of an Escherichia coli mutant lacking tRNA–guanine transglycosylase. Function and biosynthesis of queuosine in tRNA. Noguchi S, et al. **J Biol Chem** 1982 Jun 10;257(11):6544–50

Photochemical cross–linking of the gene 5 protein.fd DNA complex from fd–infected cells. Paradiso PR, et al. **J Biol Chem** 1982 Feb 10;257(3):1462–7

Mistranslated protein in Escherichia coli. Parker J. **J Biol Chem** 1981 Oct 10;256(19):9770–3

The eup genetic locus of Escherichia coli and its role in H+/solute symport. Plate CA, et al. **J Biol Chem** 1981 Dec 25;256(24):12974–80

Separate requirements for leading and lagging strand DNA synthesis during phi X A protein–dependent RF goes to RF DNA replication in vitro. Reinberg D, et al. **J Biol Chem** 1981 Dec 25;256(24):13143–51

rho Factors from polarity suppressor mutants with defects in their RNA interactions. Richardson JP, et al. **J Biol Chem** 1982 May 25;257(10):5767–71

The effect of bisulfite–induced C to U transitions on aminoacylation of Escherichia coli glycine tRNA. Sabban EL, et al. **J Biol Chem** 1982 May 10;257(9):4796–805

Active transport of maltose in Escherichia coli K12. Role of the periplasmic maltose–binding protein and evidence for a substrate recognition site in the cytoplasmic membrane. Shuman HA. **J Biol Chem** 1982 May 25; 257(10):5455–61

Relationship between superhelical density and cruciform formation in plasmid pVH51. Singleton CK, et al. **J Biol Chem** 1982 Jun 10;257(11):6292–5

Molecular mechanisms of substitution mutagenesis. An experimental test of the Watson–Crick and topal–fresco models of base mispairings. Sinha NK, et al. **J Biol Chem** 1981 Oct 25;256(20):10671–83

Escherichia coli heat–labile enterotoxin. Nucleotide sequence of the A subunit gene. Spicer EK, et al. **J Biol Chem** 1982 May 25;257(10):5716–21

Solubilization and reconstitution of the melibiose carrier from a plasmid–carrying strain of Escherichia coli. Tsuchiya T, et al. **J Biol Chem** 1982 May 10;257(9):5125–8

Tandem duplication and multiple functions of a receptor gene in bacterial chemotaxis. Wang EA, et al. **J Biol Chem** 1982 May 10;257(9):4673–6

Repair responses to DNA damage: enzymatic pathways in E coli and human cells. Hanawalt PC, et al. **J Cell Biochem** 1982;18(3):271–83

Plasmid R46–mediated protection against bleomycin is poLA+–dependent. Attfield PV, et al. **J Gen Microbiol** 1982 Mar;128(Pt 3):539–47

Reduced expression of Tn 10–mediated tetracycline resistance in Escherichia coli containing more than one copy of the transposon. Chopra I, et al. **J Gen Microbiol** 1981 Sep;126(Pt 1):45–54

Hybrid plasmids containing the citrate synthase gene (gltA) of Escherichia coli K12. Guest JR. **J Gen Microbiol** 1981 May;124(Pt 1):17–23

Partial replacement of succinate dehydrogenase function by phage– and plasmid–specified fumarate reductase in Escherichia coli. Guest JR. **J Gen Microbiol** 1981 Feb; 122(Pt 2):171–9

Organization and expression of the pyruvate dehydrogenase complex genes of Escherichia coli K12. Guest JR, et al. **J Gen Microbiol** 1981 Nov;127, pt 1:65–79

Incompatibility of citrate utilization plasmids isolated from Escherichia coli. Ishiguro N, et al. **J Gen Microbiol** 1981 Mar;123(Pt 1):193–6

Expression of Streptococcus mutans aspartate–semialdehyde dehydrogenase gene cloned into plasmid pBR322. Jagusztyn–Krynicka EK, et al. **J Gen Microbiol** 1982 May; 128 (Pt 5):1135–45

Dual control of the gua operon of Escherichia coli K12 by adenine and guanine nucleotides. Mehra RK, et al. **J Gen Microbiol** 1981 Mar;123(Pt 1):27–37

Mutants of Escherichia coli K12 with defects in anaerobic pyruvate metabolism. Pascal MC, et al. **J Gen Microbiol** 1981 May;124(Pt 1):35–42

Construction and characterization of guaB–lacZ fusions in Escherichia coli K12. Spibey N, et al. **J Gen Microbiol** 1981 Oct;126(Pt 2):497–501

Influence of prophage on the efficiency of plating of Escherichia coli K12. Tarnapolsky–Lewkowicz A, et al. **J Gen Microbiol** 1981 Jul;125(Pt 1):195–7

TnA–directed deletion of the trp operon from RSF2124–trp in Escherichia coli. Tsunekawa H, et al. **J Gen Microbiol** 1981 Nov;127, pt 1:93–102

Role of membrane potential and ATP in complex formation between Escherichia coli male cells and filamentous phage fd. Yamamoto M, et al. **J Gen Microbiol** 1981 Apr;123(Pt 2):343–9

Molecular cloning of infectious DNA from human papovavirus BK in Escherichia coli. Akrigg A, et al. **J Gen Virol** 1981 Jul;55(Pt 1):247–52

Temperate coliphage HK022: virions, DNA, one–step growth, attachment site, and the prophage genetic map. Dhillon TS. **J Gen Virol** 1981 Aug;55(Pt 2):487–92

Identification of enterotoxigenic Escherichia coli by colony hybridization using three enterotoxin gene probes. Moseley SL, et al. **J Infect Dis** 1982 Jun;145(6):863–9

Construction of overproducers of the bacteriophage 434 repressor and cro proteins. Lauer G, et al. **J Mol Appl Gen** 1981;1(2):139–47

Use of a lac promoter–operator fragment as a transcriptional control switch for expression of the constitutive lpp gene in Escherichia coli. Nakamura K, et al. **J Mol Appl Gen** 1982;1(4):289–99

Co–expression and amplification of dihydrofolate reductase cDNA and the Escherichia coli XGPRT gene in Chinese hamster ovary cells. Ringold G, et al. **J Mol Appl Gen** 1981;1(3):165–75

Two–step cloning of the Escherichia coli regulatory gene ompB, employing phage Mu. Wurtzel ET, et al. **J Mol Appl Gen** 1981;1(1):61–9

Genetic and biochemical characterization of the birA gene and its product: evidence for a direct role of biotin holoenzyme synthetase in repression of the biotin operon in Escherichia coli. Barker DF, et al. **J Mol Biol** 1981 Mar 15;146(4):469–92

The birA gene of Escherichia coli encodes a biotin holoenzyme synthetase. Barker DF, et al. **J Mol Biol** 1981 Mar 15;146(4):451–67

Trp repressor protein controls its own structural gene. Bogosian G, et al. **J Mol Biol** 1981 Jul 15;149(4):821–5

Physical map of a 470 x 10(3) base-pair region flanking the terminus of DNA replication in the Escherichia coli K12 genome. Bouché JP. **J Mol Biol** 1982 Jan 5;154(1):1–20

Relationships between the physical and genetic maps of a 470 x 10(3) base-pair region around the terminus of Escherichia coli K12 DNA replication. Bouché JP, et al. **J Mol Biol** 1982 Jan 5;154(1):21–32

Gene organization and primary structure of a ribosomal RNA operon from Escherichia coli. Brosius J, et al. **J Mol Biol** 1981 May 15;148(2):107–27

Mutations in the Escherichia coli operon that define two promoters and the binding site of the cyclic AMP receptor protein. Busby S, et al. **J Mol Biol** 1982 Jan 15; 154(2):211–27

Isolation of mutant promoters in the Escherichia coli galactose operon using local mutagenesis on cloned DNA fragments. Busby S, et al. **J Mol Biol** 1982 Jan 15; 154(2):197–209

Genetic and sequence analysis of frameshift mutations induced by ICR-191. Calos MP, et al. **J Mol Biol** 1981 Nov 25;153(1):39–64

The gol site: a cis-acting bacteriophage T4 regulatory region that can affect expression of all the T4 late genes. Champness WC, et al. **J Mol Biol** 1982 Mar 15; 155(4):395–407

Mutants of Escherichia coli lacking ribosomal protein L1. Dabbs ER, et al. **J Mol Biol** 1981 Jul 15;149(4):553–78

Neutron-scattering studies of the binding of initiator tRNAMet to escherichia coli trypsin modified methionyl-tRNA synthetase. Dessen P, et al. **J Mol Biol** 1982 Feb 5;154(4):603–13

Kinetic basis of spontaneous mutation. Misinsertion frequencies, proofreading specificities and cost of proofreading by DNA polymerases of Escherichia coli. Fersht AR, et al. **J Mol Biol** 1982 Mar 25;156(1):37–51

Restriction and modification enzymes detect no allosteric changes in DNA with bound lac repressor or RNA polymerase. Frankel AD, et al. **J Mol Biol** 1981 Mar 15; 146(4):611–9

Physical evidence for early transcription in intracellular bacteriophage P2 DNA. Funnell BE, et al. **J Mol Biol** 1982 Jan 5;154(1):85–101

Specificity determinants for bacteriophage lambda DNA replication. III. Activation of replication in lambda ric mutants by transcription outside of ori. Furth ME, et al. **J Mol Biol** 1982 Jan 5;154(1):65–83

Elongation factor G and protein S12 are the nearest neighbours in the Escherichia coli ribosome. Girshovich AS, et al. **J Mol Biol** 1981 Sep 15;151(2):229–43

Genetic analysis of the ompB locus in Escherichia coli K-12. Hall MN, et al. **J Mol Biol** 1981 Sep 5;151(1):1–15

Sequence information within the lamB genes in required for proper routing of the bacteriophage lambda receptor protein to the outer membrane of Escherichia coli K-12. Hall MN, et al. **J Mol Biol** 1982 Mar 25;156(1):93–112

A derivative of Tn5 with direct terminal repeats can transpose. Hirschel BJ, et al. **J Mol Biol** 1982 Feb 25; 155(2):105–20

Identification of trp-p2, an internal promoter in the tryptophan operon of Escherichia coli. Horowitz H, et al. **J Mol Biol** 1982 Apr 5;156(2):257–67

Nucleotide sequence of the trpD gene, encoding anthranilate synthetase component II of Escherichia coli. Horowitz H, et al. **J Mol Biol** 1982 Apr 5;156(2):245–56

Regulation and transcription direction of exuR, a self-regulated repressor in escherichia coli K-12. Hugovieux-Cotte-Pattat N, et al. **J Mol Biol** 1982 Mar 25;156(1):221–8

Correlation between the abundance of Escherichia coli transfer RNAs and the occurrence of the respective codons in its protein genes: a proposal for a synonymous codon choice that is optimal for the E. coli translational system. Ikemura T. **J Mol Biol** 1981 Sep 25;151(3):389–409

Regulation of the L-arabinose transport operons in Escherichia coli. Kolodrubetz D, et al. **J Mol Biol** 1981 Sep 15;151(2):215–27

Novel mutations of Escherichia coli that produce recombinogenic lesions in DNA. V. Recombinogenic plasmids from arl mutants of Escherichia coli are unusually sensitive to nuclease S1 and partially deficient in cytosine methylation at C-C-(A/T)-G-G sequences. Korba BE, et al. **J Mol Biol** 1982 May 15;157(2):213–35

Arabinose-inducible promoter from Escherichia coli. Its cloning from chromosomal DNA, identification as the araFG promoter and sequence. Kosiba BE, et al. **J Mol Biol** 1982 Mar 25;156(1):53–66

Binding of RNA polymerase and the catabolite gene activator protein within the cat promoter in Escherichia coli. Le Grice SF, et al. **J Mol Biol** 1981 Aug 5;150(2):185–96

Large deletion mutants of Escherichia coli tRNATyr1. McCorkle GM, et al. **J Mol Biol** 1982 Feb 25;155(2):83–103

Escherichia coli lac repressor is elongated with its operator DNA binding domains located at both ends. McKay DB, et al. **J Mol Biol** 1982 Mar 25;156(1):175–83

Cloned genes for bacteriophage T4 late functions are expressed in Escherichia coli. Oliver DB, et al. **J Mol Biol** 1981 Oct 25;152(2):267–83

Processing of bacteriophage T4 transfer RNAs. Structural analysis and in vitro processing of precursors that accumulate in RNase E-strains. Pragai B, et al. **J Mol Biol** 1982 Jan 25;154(3):465–84

Identification of the uvrB gene product. Sancar A, et al. **J Mol Biol** 1981 May 5;148(1):63–76

Identification of the uvrA gene product. Sancar A, et al. **J Mol Biol** 1981 May 5;148(1):45–62

A common mechanism for repair of O6-methylguanine and O6-ethylguanine in DNA. Sedgwick B, et al. **J Mol Biol** 1982 Jan 5;154(1):169–75

Elongation of duplex DNA by recA protein. Stasiak A, et al. **J Mol Biol** 1981 Sep 25;151(3):557–64

Is the amino acid but not the nucleotide sequence of the Escherichia coli araC gene conserved? Stoner CM, et al. **J Mol Biol** 1982 Feb 5;154(4):649–52

Regulation of the pho regulon of Escherichia coli K-12. Cloning of the regulatory genes phoB and phoR and identification of their gene products. Tommassen J, et al. **J Mol Biol** 1982 May 15;157(2):265–74

Identity of a Chi site of Escherichia coli and Chi recombinational hotspots of bacteriophage lambda. Triman KL, et al. **J Mol Biol** 1982 Jan 15;154(2):393–9

A single gene coding for resistance to both fusidic acid and chloramphenicol. Völker TA, et al. **J Mol Biol** 1982 Jan 25;154(3):417–25

Control of leu operon expression in Escherichia coli by a transcription attenuation mechanism. Wessler SR, et al. **J Mol Biol** 1981 Jul 15;149(4):579–97

Nucleotide sequence of trpE of Salmonella typhimurium and its homology with the corresponding sequence of Escherichia coli. Yanofsky C, et al. **J Mol Biol** 1982 Mar 5;155(3):235–46

The density distribution of gene loci over the genetic map of Escherichia coli: its structural, functional and evolutionary implications. De Martelaere DA, et al. **J Mol Evol** 1981;17(6):354–60

The influence of DNA base ratios on intragenic mutational spectra in prokaryotes. Clarke CH. **J Theor Biol** 1982 Feb 7;94(3):671–87

Preferred sites of frameshift mutagenesis in AT- and GC-rich microbial DNA. Clarke CH. **J Theor Biol** 1982 Feb 7; 94(3):519–34

Transfection of Escherichia coli spheroplasts with a bacteriophage Mu DNA-protein complex. Chase CD, et al. **J Virol** 1982 Apr;42(1):176–85

Plasmid pR386 renders Escherichia coli cells restrictive to the growth of bacteriophage T4 unf mutants. Herman RE, et al. **J Virol** 1982 Jan;41(1):330–3

The transient inability of the conjugating female cell to host 186 infection explains the absence of zygotic induction for 186. Woods WH, et al. **J Virol** 1981 Nov;40(2):335–440

Qualitative changes of drug resistant bacteria and their conjugative R plasmids isolated in hospitals in Tokyo area. Arai T, et al. **Keio J Med** 1980 Dec;29(4):185–96

Expression of cloned cholera enterotoxin gene in Escherichia coli and possibilities of vaccine development [letter] Gennaro ML, et al. **Lancet** 1982 May 29;1(8283):1239–40

Use of the hepatitis B core antigen produced in Escherichia coli in an assay for anti-HBc. Peutherer JF, et al. **Med Lab Sci** 1981 Oct;38(4):355–8

Plasmids coding for enterotoxins, K88 antigen and colicins in porcine Escherichia coli strains of O-group 149. Franklin A, et al. **Med Microbiol Immunol (Berl)** 1981;170(2):63–72

Bacterial mutants for the study of lipid metabolism. Clark DP, et al. **Methods Enzymol** 1981;72:693–707

Annealing of oligo(dC)-tailed ds cDNA with oligo(dG)-tailed plasmid and transformation of Escherichia coli chi 1776 with recombinant DNA. Maeda S. **Methods Enzymol** 1981;79(Pt B):611–3

Isolation of Escherichia coli structural genes coding for the glycogen biosynthetic enzymes. Okita TW, et al. **Methods Enzymol** 1982;83 Pt D:549–56

Plasmid determined drug resistance in clinically isolated Escherichia coli. Michopoulos D, et al. **Methods Find Exp Clin Pharmacol** 1980 Apr;2(3):139–43

Cloning and expression of the Bacillus subtilis phage SPP1 in E. coli. I. Construction and characterization of lambda/SPP1 hybrids. Amann EP, et al. **MGG** 1981; 182(2):293–8

Cloning and expression of Bacillus subtilis phage SPP1 in E. coli. II. Expression of lambda/SPP1 hybrid phages in E. coli minicells. Amann EP, et al. **MGG** 1981; 182(2):299–303

The R gene product of bacteriophage lambda is the murein transglycosylase. Bienkowska-Szewczyk K, et al. **MGG** 1981;184(1):111–4

Isolation and properties of Tn10 insertions in the rac locus of Escherichia coli. Binding R, et al. **MGG** 1981; 183(2):333–40

P1 transduction map spanning the replication terminus of Escherichia coli K12. Bitner RM, et al. **MGG** 1981; 184(2):208–12

Interconnection between assembly and synthesis of ribosomal proteins. Böck A. **MGG** 1981;184(1):62–7

Mapping of mglB, the structural gene of the galactose-binding protein of Escherichia coli. Boos W, et al. **MGG** 1981;184(3):508–18

Ribosomal mutation in Escherichia coli affecting membrane stability. Bosl A, et al. **MGG** 1981;182(2):358–60

Colicin Ib does not cause plasmid-promoted abortive phage infection of Escherichia coli K-12. Boulnois GJ. **MGG** 1981;182(3):508–10

Recombinational instability of F' plasmids in Escherichia coli K-12: localization of fre-sites. Bresler SE, et al. **MGG** 1981; 183(1):192–6

The process of general recombination in Escherichia coli K-12: structure of intermediate products. Bresler SE, et al. **MGG** 1981;183(1):139–43 (26 ref.)

In vivo synthesis of a polycistronic messenger RNA for the ribosomal proteins L11, L1, L10 and L7/12 in Escherichia coli. Brückner R, et al. **MGG** 1981;183(2):277–82

The cis-specificity of the Q-gene product of bacteriophage lambda. Burt DW, et al. **MGG** 1982;185(3):468–72

Transcriptional termination sites in the b2 region of bacteriophage lambda that are unresponsive to antitermination. Burt DW, et al. **MGG** 1982;185(3):462–7

The DNA sequence change resulting from the IQ1 mutation, which greatly increases promoter strength. Calos MP, et al. **MGG** 1981;183(3):559–60

Quantitative evaluation of recA gene expression in Escherichia coli. Casaregola S, et al. **MGG** 1982; 185(3):430–9

Role of DNA replication in the induction and turn-off of the SOS response in Escherichia coli. Casaregola S, et al. **MGG** 1982;185(3):440–4

Curing effect of clorobiocin on Escherichia coli plasmids. Cejka K, et al. **MGG** 1982;186(1):153–5

The target of the negative regulator of pMB1 replication overlaps with part of the repressor coding sequence. Cesareni G. **MGG** 1981;184(1):40–5

Construction of hybrid plasmids containing the lysA gene of Escherichia coli: studies of expression in Escherichia coli and Saccharomyces cerevisiae. Chenais J, et al. **MGG** 1981;182(3):456–61

Thymine inhibits suppression by an Escherichia coli nonsense and frameshift suppressor. Cheung PK, et al. **MGG** 1982; 186(2):217–20

Recombination between two TnA transposon sequences oriented as inverse repeats is found less frequently than between direct repeats. Chiang SJ, et al. **MGG** 1982; 185(1):169–75

Operon fusions in the nitrate reductase operon and study of the control gene nir R in Escherichia coli. Chippaux M, et al. **MGG** 1981;182(3):477–9

Plasmid pKM101-mediated mutagenesis in Escherichia coli is inducible. Cieśla Z. **MGG** 1982;186(2):298–300

rho Mutations restore lamB expression in E. coli K12 strains with an inactive malB region. Colonna B, et al. **MGG** 1981; 184(3):479–83

An antibiotic dependent conditional lethal mutant with a lesion affecting transcription and translation. Dabbs ER, et al. **MGG** 1981;184(2):224–9

ExpA: a conditional mutation affecting the expression of a group of exported proteins in Escherichia coli K-12. Dassa E, et al. **MGG** 1981;181(2):192–200

A DNA sequence containing the control sites for gene malT and for the malPQ operon. Debarbouille M, et al. **MGG** 1982;185(1):88–92

Reversion of bacteriophage T4rII mutants by high levels of pyrimidine deoxyribonucleosides. DeVries JK, et al. **MGG** 1982;186(1):101–5

Rac-E. coli K12 strains carry a preferential attachment site for lambda rev. Diaz R, et al. **MGG** 1981;183(3):484–9

R46-derived recombinant plasmids affecting DNA repair and mutation in E. coli. Dowden SB, et al. **MGG** 1982; 186(1):140–4

Regulation of DNA synthesis and capacity for initiation in DNA temperature mutants of Escherichia coli. III. Synthesis of the dnaA protein and of DNA-binding proteins. Eberle H, et al. **MGG** 1982;186(1):71–7

Regulation of DNA synthesis and capacity for initiation in DNA temperature sensitive mutants of Escherichia coli I. Reinitiation and chain elongation. Eberle H, et al. **MGG** 1982;186(1):57–65

Regulation of DNA synthesis and capacity for initiation in DNA temperature sensitive mutants of Escherichia coli. II. Requirements for acquisition and expression of initiation capacity. Eberle H, et al. **MGG** 1982;186(1):66–70

Strains of Escherichia coli carrying the structural gene for histidyl-tRNA synthetase on a high copy-number plasmid. Eisenbeis SJ, et al. **MGG** 1981;183(1):115–22

Interspecies recA protein substitution in Escherichia coli and Proteus mirabilis. Eitner G, et al. **MGG** 1982;185(3):481–6

Read-through transcription from a derepressed Tn3 promoter affects ColE1 functions on a ColE1::Tn3 composite plasmid. Emerick AW. **MGG** 1982;185(3):408–17

Tn10 insertions directed in the pyr D - ser C region and improved mapping of pep N in Escherichia coli K12. Feutrier J, et al. **MGG** 1982;185(3):518–9

Essential role of the gyrB gene product in the transcriptional event coupled to dnaA-dependent initiation of Escherichia coli chromosome replication. Filutowicz M, et al. **MGG** 1981;183(1):134–8

Plasmid ColE1 conjugal mobility: the nature of bom, a region required in cis for transfer. Finnegan J, et al. **MGG** 1982; 185(2):344–51

The initiation of chromosome replication in a dnaAts46 and a dnaA+ strain at various temperatures. Frey J, et al. **MGG** 1981;182(2):364–6

Nonsense suppression in aminoacyl-t-RNA limited cells. Gallant J, et al. **MGG** 1982;186(2):221–7

Amplification of maize ribulose bisphosphate carboxylase large subunit synthesis in E. coli by transcriptional fusion

with the lambda N operon. Gatenby AA, et al. MGG 1982; 185(3):424–9
Rates of growth, ribosome synthesis and elongation factor synthesis in a tufA defective strain of E. coli. Gausing K. MGG 1981;184(2):272–7
Construction and characterization of a tufA–lacZ fusion coding for an E. coli EF-Tu–beta–galactosidase chimeric protein. Gausing K. MGG 1981;184(2):265–71
Bacteriophage Mu DNA replication is stimulated by non–essential early functions. Goosen T, et al. MGG 1982; 186(1):135–9
Identification of the protein products of the rrnC, ilv, rho region of the Escherichia coli K–12 chromosome. Gray JE, et al. MGG 1981;183(3):428–36
Protein H encoded by plasmid Clo DF13 involved in lysis of the bacterial host. I. Localisation of the gene and identification and subcellular localisation of the gene H product. Hakkaart MJ, et al. MGG 1981;183(2):318–25
Protein H encoded by plasmid Clo DF13 involved in lysis of the bacterial host. II. Functions and regulation of synthesis of the gene H product. Hakkaart MJ, et al. MGG 1981;183(2):326–32
The genes for the eight subunits of the membrane bound ATP synthase of Escherichia coli. Hansen FG, et al. MGG 1981;183(3):463–72
Regulation of ferric iron transport in Escherichia coli K12: isolation of a constitutive mutant. Hantke K. MGG 1981; 182(2):288–92
Tn1 insertion mutagenesis in Escherichia coli K–12 using a temperature–sensitive mutant of plasmid RP4. Harayama S, et al. MGG 1981;184(1):52–5
Lysis of Escherichia coli by induction of cloned phi X174 genes. Henrich B, et al. MGG 1982;185(3):493–7
A temperature sensitive Reca protein of Escherichia coli. Hickson ID, et al. MGG 1981;184(1):68–72
Construction of recombinant lambda phages that carry the E. coli recB and recC genes. Hickson ID, et al. MGG 1982; 185(1):148–51
Mapping of IS1 elements flanking the argF gene region on the Escherichia coli K–12 chromosome. Hu M, et al. MGG 1981;181(2):222–9
Isolation of fusions between the lac genes and several genes of the exu regulon: analysis of their regulation, determination of the transcription direction of the uxaC–uxaA operon, in Escherichia coli K–12. Hugouvieux–Cotte–Pattat N, et al. MGG 1981; 182(2):279–87
Ribosomal protein modification in Escherichia coli. III. Studies of mutants lacking an acetylase activity specific for protein L12. Isono S, et al. MGG 1981;183(3):473–7
Suppression of the lexC (ssbA) mutation of Escherichia coli by a mutant of bacteriophage P1. Johnson BF. MGG 1982; 186(1):122–6
N–Methyl–N'–nitro–N–nitrosoguanidine sensitivity of E. coli mutants deficient in DNA methylation and mismatch repair. Jones M, et al. MGG 1981;184(3):562–3
Surface exclusion between F' plasmids in strains of Escherichia coli K–12 carrying a dnaB mutation, in the presence or absence of bacteriophage genomes providing a dnaB analog function. Jones RM, et al. MGG 1981; 183(2):238–42
Multiple regulation of the activity of adenylate cyclase in Escherichia coli. Joseph E, et al. MGG 1982;185(2):262–8
Cloning and expression in Escherichia coli K–12 of the biosynthetic dehydroquinase function of the arom cluster gene from the eucaryote, Aspergillus nidulans. Kinghorn JR, et al. MGG 1982;186(1):145–52
An amber mutation in the gene rpsA for ribosomal protein S1 in Escherichia coli. Kitakawa M, et al. MGG 1982; 185(3):445–7
The sequence of IS4. Klaer R, et al. MGG 1981;181(2):169–75
Detection and mapping of six miniF–encoded proteins by cloning analysis of dissected miniF segments. Komai N, et al. MGG 1982;186(2):193–203
Influence of phage T3 and T7 gene functions on a type III(EcoP1) DNA restriction–modification system in vivo. Krüger DH, et al. MGG 1982;185(3):457–61
Cloning of bacteriophage T5 promoters. Ksenzenko VN, et al. MGG 1982;185(3):520–2
Vectors for cloning in cyanobacteria: construction and characterization of two recombinant plasmids capable of transformation of Escherichia coli K12 and Anacystis nidulans R2. Kuhlemeier CJ, et al. MGG 1981; 184(2):249–54
Interplasmidic and intraplasmidic recombination in Escherichia coli K–12. Laban A, et al. MGG 1981; 184(2):200–7
Discontinuity of homology of Escherichia coli and Salmonella typhimurium DNA in the lac region. Lampel KA, et al. MGG 1982;186(1):82–6
Restriction endonuclease cleavage map of pKM101: relationship to parental plasmid R46. Langer PJ, et al. MGG 1981;182(2):268–72
Cloning and the nucleotide sequence of the genes for Escherichia coli ribosomal proteins L28 (rpmB) and L33 (rpmG). Lee JS, et al. MGG 1981;184(2):218–23
Transfer of Salmonella typhimurium and Klebsiella pneumoniae genes in E. coli K12 by mini–muduction. Lefebvre N, et al. MGG 1981;181(2):268–72
Site–specific properties of Tn7 transposition into the E. coli chromosome. Lichtenstein C, et al. MGG 1981;183(2):380–7
A fine structure map of spontaneous and induced mutations in the lambda repressor gene, including insertions of IS elements. Lieb M. MGG 1981;184(3):364–71
Variable expression of the ssb–1 allele in different strains of Escherichia coli K12 and B: differential suppression of its effects on DNA replication, DNA repair and ultraviolet mutagenesis. Lieberman HB, et al. MGG 1981; 183(2):348–55
Replication control functions of plasmid R1 act as inhibitors of expression of a gene required for replication. Light J, et al. MGG 1981;184(1):56–61
The effect of tnm mutations of Escherichia coli K12 on transposition of various movable genetic elements. Llyina TS, et al. MGG 1981;183(2):376–9
Cloning of a eukaryotic regulatory gene. Losson R, et al. MGG 1981;184(3):394–9
Cloning and characterization of the Escherichia coli chromosomal region surrounding the dnaG Gene, with a correlated physical and genetic map of dnaG generated via transposon Tn5 mutagenesis. Lupski JR, et al. MGG 1982;185(1):120–8
Internal promoters of the rpoBC operon of Escherichia coli. Ma JC, et al. MGG 1981;184(3):548–50
Expression of streptococcal plasmid–determined resistance to erythromycin and lincomycin in Escherichia coli. Malke H, et al. MGG 1981;184(2):283–5
A bifunctional plasmid carrying the recA gene of E. coli. Mazza G, et al. MGG 1982;185(3):397–403
Isolation and characterization of cAMP suppressor mutants of Escherichia coli K12. Melton T, et al. MGG 1981; 182(3):480–9
Construction and physical mapping of plasmids containing the MetA gene of Escherichia coli K–12. Michaeli S, et al. MGG 1981;182(2):349–54
Constriction of a fused operon consisting of the recA and kn (kanamycin resistance) genes and regulation of its expression by the lexA gene. Miki T, et al. MGG 1981; 183(1):25–31
Transcription of the E. coli tufB gene: cotranscription with four tRNA genes and inhibition by guanosine–5'–diphosphate–3'–diphosphate. Miyajima A, et al. MGG 1981;183(1):13–9
The effect of tra mutations on the synthesis of the F–pilin membrane polypeptide. Moore D, et al. MGG 1981; 184(2):260–4
Promoters in the region of the E. coli replication origin. Morelli G, et al. MGG 1981;184(2):255–9
Molecular cloning of the tolC locus of Escherichia coli K–12 with the use of transposon Tn10. Morona R, et al. MGG 1981;184(3):430–3
Cloning of mglB, the structural gene for the galactose–binding protein of Salmonella typhimurium and Escherichia coli. Müller N, et al. MGG 1982;185(3):473–80
The nucleotide sequence of the atp genes coding for the F0 subunits a, b, c and the F1 subunit delta of the membrane bound ATP synthase of Escherichia coli. Nielsen J, et al. MGG 1981;184(1):33–9
Maintenance and genetic stability of vector plasmids pBR322 and pBR325 in Escherichia coli K12 strains grown in a chemostat. Noack D, et al. MGG 1981;184(1):121–4
Molecular cloning of the uvrD gene of Escherichia coli that controls ultraviolet sensitivity and spontaneous mutation frequency. Oeda K, et al. MGG 1981;184(2):191–9
Reiterated DNA sequences in a mutant strain of Streptomyces glaucescens and cloning of the sequence in Escherichia coli. Ono H, et al. MGG 1982;186(1):106–10
A mutation in the RNA polymerase beta' subunit causing depressed ribosomal RNA synthesis in Escherichia coli. Oostra BA, et al. MGG 1981;183(1):54–8
Effects of reduced amount of RNA polymerase sigma factor on gene expression and growth of Escherichia coli: studies of the rpoD450 (amber) mutation. Osawa T, et al. MGG 1981;184(2):166–73
Enhanced recombination between F42lac and lambda plac5: dependence on F42lac fertility functions. Porter RD. MGG 1981;184(3):355–8
Cloning of E. coli pnp gene from an episome. Portier C, et al. MGG 1981;183(2):298–305
Initiation of chromosomal DNA synthesis in vitro. Projan SJ, et al. MGG 1981;182(2):263–7
RNA polymerase is required for DNA initiation in vitro. Projan SJ, et al. MGG 1981;183(1):78–81
Complementation of a dnaC initiation defect in vitro. Projan SJ, et al. MGG 1981;183(1):74–7
An estimate of the frequency of in vivo transcriptional errors at a nonsense codon in Escherichia coli. Rosenberger RF, et al. MGG 1981;183(3):561–3
Integration specificity of an artificial kanamycin transposon constructed by the in vitro insertion of an internal Tn5 fragment into IS2. Saint–Girons I, et al. MGG 1981; 183(1):45–50
Continuous synthesis of the dnaA gene product of Escherichia coli in the cell cycle. Sakakibara Y, et al. MGG 1982;186(1):87–94
Screening for mutants temperature sensitive in protein synthesis by using methionine analogues. Schmidt A, et al. MGG 1981;184(3):489–92
Altered transcriptional termination in a rifampicin–resistant mutant of Escherichia coli which inhibits the growth of bacteriophage T7. Schwarz TF, et al. MGG 1981; 183(1):181–6
Deletion map of the Escherichia coli K–12 dnaB gene. Sclafani RA, et al. MGG 1981;183(2):314–7
Lysogenic induction of lambdoid phages in lexA mutants of Escherichia coli. Sedgwick SG, et al. MGG 1981; 184(3):457–9
Damage to DNA induces expression of the ruv gene of Escherichia coli. Shurvinton CE, et al. MGG 1982; 185(2):352–5
Complementation studies with the repair–deficient uvrD3, uvrE156, and recL152 mutations in Escherichia coli. Siegel EC. MGG 1981;184(3):526–30
UV–mutable hybrids of Salmonella incorporating Escherichia coli region adjacent to tryptophan operon. Skavronskaya AG, et al. MGG 1982;185(2):315–8
Transcription units around the gene for E. coli translation initiation factor IF3 (infC). Springer M, et al. MGG 1982; 186(2):247–52
Expression of the L11–L1 operon in mutants of Escherichia coli lacking the ribosomal proteins L1 or L11. Stöffler G, et al. MGG 1981;181(2):164–8
The replication of Escherichia coli chromosome can be initiated by integrated ColE1–type plasmids. Strizhov NI, et al. MGG 1981;182(2):355–7
Identification of the E. coli groNB(nusB) gene product. Swindle J, et al. MGG 1981;182(3):409–13
Genetic map of the crown gall suppressive IncW plasmid pSa. Tait RC, et al. MGG 1982;186(1):10–5
Effect of the dnaN mutation on the growth of small DNA phages. Taketo A. MGG 1981;183(1):130–3
The influence of host DNA replication on the formation of infectious and transducing Mu–particles. Teifel J, et al. MGG 1981;184(2):308–11
Escherichia coli merodiploids with altered ratios of episomal to chromosomal RNA polymerase activity. Tittawella IP. MGG 1981;184(3):504–7
Genetic analysis of mu or mini–mu containing F' pro lac episomes after prophage induction. Toussaint A, et al. MGG 1981;181(2):201–6
An IS4–encoded protein is synthesized in minicells. Trinks K, et al. MGG 1981;182(2):183–8
Genetical and structural analysis of a group of lambda ilv and lambda rho transducing phages. Uzan M, et al. MGG 1981;182(3):462–70
Isolation of DNA fragments containing replicating growing forks from both E. coli and B. subtilis. Valenzuela MS, et al. MGG 1981;181(2):241–7
Multiply branched replicative intermediates in E. coli and bacteriophage lambda. Valenzuela MS, et al. MGG 1981; 184(3):450–6
DNA repair in E. coli strains deficient in single–strand DNA binding protein. Whittier RF, et al. MGG 1981;183(2):341–7
pED100, a conjugative F plasmid derivative without insertion sequences. Willetts N, et al. MGG 1981; 182(3):520–2
Physical mapping of the srl recA region of Escherichia coli: analysis of Tn10 generated insertions and deletions. Willis DK, et al. MGG 1981;183(3):497–504
Constitutive expression of SOS functions and modulation of mutagenesis resulting from resolution of genetic instability at or near the recA locus of Escherichia coli. Witkin EM, et al. MGG 1982;185(1):43–50
Cloned truncated recA genes in E. coli II. Effects of truncated gene products on in vivo recA+ protein activity. Yarranton GT, et al. MGG 1982;185(1):99–104
Characterization of P1argF derivatives from Escherichia coli K12 transduction. I. IS1 elements flank the argF gene segment. York MK, et al. MGG 1981;181(2):230–40
Genetic mapping of mutation in Escherichia coli leading to a temperature–sensitive RNase D. Zaniewski R, et al. MGG 1982;185(1):142–7
A secondary promoter for elongation factor Tu synthesis in the str ribosomal protein operon of Escherichia coli. Zengel JM, et al. MGG 1982;185(3):487–92
On the role of the Escherichia coli RNA polymerase sigma factor in T4 phage development. Zograff YN. MGG 1981; 183(3):557–8
Isolation of Co1E1 mutants with thermosensitive control of colicin E1 production. Lee HT, et al. **Microbiol Immunol** 1981;25(10):1087–90
Cloning of a 1.1–kb fragment including srnB+ gene in the F plasmid and isolation of an srnB mutant. Ohnishi Y, et al. **Microbiol Immunol** 1981;25(12):1243–54
Spontaneous mutation rates in continuous cultures: the effect of some environmental factors. Savva D. **Microbios** 1982; 33(132):81–92
Polysaccharide accumulation in the cell division defective mutant, Escherichia coli 15T–R1. Schoemaker JM, et al. **Microbios** 1980;29(117–118):149–59
Plasmid pKM101–dependent repair and mutagenesis in Escherichia coli cells with mutations lexB30 tif and zab–53 in the recA gene. Blanco M, et al. **Mutat Res** 1981 May; 81(3):265–75
A new pathway for repair of cross–linkable 8–methoxypsoralen mono–adducts in Uvr strains of Escherichia coli. Bridges BA, et al. **Mutat Res** 1982 Feb 22;92(1–2):9–14
Effect of the uvrD3 mutation on ultraviolet radiation–induced DNA–repair replication in Escherichia coli K12. Carlson KM, et al. **Mutat Res** 1981 Dec; 84(2):257–62
cis–Platinum(II)diamminodichloride–induced mutagenesis in E. coli K12: crowding depression of mutagenesis. Cunningham D, et al. **Mutat Res** 1981 Dec;84(2):273–82
Increased sensitivity of Escherichia coli K12 to certain

mutagens as a consequence of a mutation leading to phage U3 resistance. Ellenberger J. **Mutat Res** 1982 Apr; 104(1–3):55–60

Photodynamic effects of dyes on bacteria. IV. Lethal effects of acridine orange and 460– or 500–nm monochromatic light in strains of Escherichia coli that differ in repair capability. Hass BS, et al. **Mutat Res** 1981 May;81(3):277–85

Effects of the umuC36 mutation on ultraviolet–radiation–induced base–change and frameshift mutations in Escherichia coli. Kato T, et al. **Mutat Res** 1981 Oct;83(3):307–19

The effect of mutations in the uvrD cistron of Escherichia coli on repair resynthesis. Kuemmerle NB, et al. **Mutat Res** 1982 Jun;94(2):285–97

Influence of single–stranded DNA–binding protein on recA induction in Escherichia coli. Meyer RR, et al. **Mutat Res** 1982 Jun;94(2):299–313

Influence of phenotypic expression lag and division delay on apparent frequencies of induced mutations in Escherichia coli K12. Mohn G, et al. **Mutat Res** 1981 Nov; 91(6):419–25

Influence of experimental conditions and DNA repair ability on EMS–induced mutagenesis and DNA binding in Escherichia coli K12: comparison with mammalian cell mutagenesis. Mohn GR, et al. **Mutat Res** 1982 Feb 22; 92(1–2):15–27

Mutagenicity of 4–chloromethylbiphenyl (4CMB) to E. coli WP2 uvrA pKM101. Penman MG. **Mutat Res** 1982 Jan–Feb;100(1–4):15–6

Mutational specificity of the base analogue, 2–aminopurine, in Escherichia coli. Persing DH, et al. **Mutat Res** 1981 Aug;83(1):25–37

Phenotypes of UV–sensitive uvrD3, recL152, and uvrE15 mutants of Escherichia coli. Siegel EC, et al. **Mutat Res** 1981 Aug;83(1):49–59

Mutator mutations in Escherichia coli induced by the insertion of phage mu and the transposable resistance elements Tn5 and Tn10. Siegel EC, et al. **Mutat Res** 1982 Mar;93(1):25–33

Mutation induction by monochromatic 254–nm and 365–nm radiation in strains of Escherichia coli that differ in repair capability. Webb RB, et al. **Mutat Res** 1981 Dec; 84(2):227–37

Preferential cleavage of phage lambda repressor monomers by recA protease. Cohen S, et al. **Nature** 1981 Nov 12; 294(5837):182–4

Adaptation to alkylation resistance involves the induction of a DNA glycosylase. Evensen G, et al. **Nature** 1982 Apr 22;296(5859):773–5

recA–independent general genetic recombination of plasmids. Fishel RA, et al. **Nature** 1981 Nov 12;294(5837):184–6

A role for mRNA secondary structure in the control of translation initiation. Hall MN, et al. **Nature** 1982 Feb 18; 295(5850):616–8

lambda Repressor and cro––components of an efficient molecular switch. Johnson AD, et al. **Nature** 1981 Nov 19;294(5838):217–23 (73 ref.)

Enzymatic replication of E. coli chromosomal origin is bidirectional. Kaguni JM, et al. **Nature** 1982 Apr 15; 296(5858):623–7

Mismatch correction at O6–methylguanine residues in E. coli DNA. Karran P, et al. **Nature** 1982 Apr 29;296(5860):868–9

Unique insertion site of Tn7 in the E. coli chromosome. Lichtenstein C, et al. **Nature** 1982 Jun 17;297(5867):601–3

Inverted repeats surround the ribitol–arabitol genes of E. coli C. Link CD, et al. **Nature** 1982 Jul 1;298(5869):94–6

Promoters in the E. coli replication origin. Lother H, et al. **Nature** 1981 Nov 26;294(5839):376–8

The uvrD gene of E. coli encodes a DNA–dependent ATPase. Oeda K, et al. **Nature** 1982 Jul 1;298(5869):98–100

The molecular basis of DNA–protein recognition inferred from the structure of cro repressor. Ohlendorf DH, et al. **Nature** 1982 Aug 19;298(5876):718–23

Expression of two proteins from overlapping and oppositely oriented genes on transposable DNA insertion element IS5. Rak B, et al. **Nature** 1982 May 13;297(5862):124–8

High frequency of gene transfer after fusion between bacteria and eukaryotic cells. Rassoulzadegan M, et al. **Nature** 1982 Jan 21;295(5846):257–9

Insertion of DNA activates the cryptic bgl operon in E. coli K12. Reynolds AE, et al. **Nature** 1981 Oct 22; 293(5834):625–9

LexA protein inhibits transcription of the E. coli uvrA gene in vitro. Sancar A, et al. **Nature** 1982 Jul 1;298(5869):96–8

An 'internal' signal sequence directs secretion and processing or proinsulin in bacteria. Talmadge K, et al. **Nature** 1981 Nov 12;294(5837):176–8

E. coli ribosomal protein L10 inhibits translation of L10 and L7/L12 mRNAs by acting at a single site. Yates JL, et al. **Nature** 1981 Nov 12;294(5837):190–2

Organization and nucleotide sequence of a new ribosomal operon in Escherichia coli containing the genes for ribosomal protein S2 and elongation factor Ts. An G, et al. **Nucleic Acids Res** 1981 Aug 25;9(16):4163–72

Replication of lambda dv DNA in vitro. Anderl A, et al. **Nucleic Acids Res** 1982 Mar 11;10(5):1733–40

Structure of replication origin of the Escherichia coli K–12 chromosome: the presence of spacer sequences in the ori region carrying information for autonomous replication. Asada K, et al. **Nucleic Acids Res** 1982 Jun 25; 10(12):3745–54

Rifampicin–resistant initiation of DNA synthesis on the isolated strands of ColE plasmid DNA. Böldicke TW, et al. **Nucleic Acids Res** 1981 Oct 24;9(20):5215–31

Overlapping genes at the DNA primase locus of the large plasmid ColI. Boulnois GJ, et al. **Nucleic Acids Res** 1982 Feb 11;10(3):855–69

Iron mediated methylthiolation of tRNA as a regulator of operon expression in Escherichia coli. Buck M, et al. **Nucleic Acids Res** 1982 Apr 24;10(8):2609–24

Genetic recombination: recA protein promotes homologous pairing between duplex DNA molecules without strand unwinding. Cassuto E, et al. **Nucleic Acids Res** 1981 Aug 25;9(16):4201–10

Cloning and sequence of the crp gene of Escherichia coli K 12. Cossart P, et al. **Nucleic Acids Res** 1982 Feb 25; 10(4):1363–78

Nucleotide sequence of an Escherichia coli tRNA (Leu 1) operon and identification of the transcription promoter signal. Duester G, et al. **Nucleic Acids Res** 1981 May 11; 9(9):2121–39

The rRNA operon from Zea mays chloroplasts: nucleotide sequence of 23S rDNA and its homology with E.coli 23S rDNA. Edwards K, et al. **Nucleic Acids Res** 1981 Jun 25; 9(12):2853–69

A gel electrophoresis method for quantifying the binding of proteins to specific DNA regions: application to components of the Escherichia coli lactose operon regulatory system. Garner MM, et al. **Nucleic Acids Res** 1981 Jul 10;9(13):3047–60

The atp operon: nucleotide sequence of the promoter and the genes for the membrane proteins, and the delta subunit of Escherichia coli ATP–synthase. Gay NJ, et al. **Nucleic Acids Res** 1981 Aug 25;9(16):3919–26

Mapping of in vitro transcription units and identification of primary transcripts of the D region of bacteriophage T4. Goldfarb A, et al. **Nucleic Acids Res** 1981 Jun 25; 9(12):2791–800

Correlation of thermodynamic and genetic properties in the Tn10 encoded TET gene control region. Hillen W, et al. **Nucleic Acids Res** 1982 Apr 24;10(8):2685–700

Discriminatory function of ribonuclease H in the selective initiation of plasmid DNA replication. Hillenbrand G, et al. **Nucleic Acids Res** 1982 Feb 11;10(3):833–52

Fine mapping of secondary structures of fd phage DNA in the region of the replication origin. Huang CC, et al. **Nucleic Acids Res** 1981 Nov 11;9(21):5587–99

Sequence homologies between eukaryotic 5.8S rRNA and the 5' end of prokaryotic 23S rRNa: evidences for a common evolutionary origin. Jacq B. **Nucleic Acids Res** 1981 Jun 25;9(12):2913–32

A general approach for purifying proteins encoded by cloned genes without using a functional assay: isolation of the uvrA gene product from radiolabeled maxicells. Kacinski BM, et al. **Nucleic Acids Res** 1981 Sep 25;9(18):4495–508

Nucleotide sequence of the Aspergillus nidulans mitochondrial gene coding for the small ribosomal subunit RNA: homology to E. coli 16S rRNA. Köchel HG, et al. **Nucleic Acids Res** 1981 Nov 11;9(21):5689–96

Recovery of recombinant bacterial plasmids from E. coli transformed with DNA from microinjected mouse cells. Kretschmer PJ, et al. **Nucleic Acids Res** 1981 Nov 25; 9(22):6199–217

The sequence of human serum albumin cDNA and its expression in E. coli. Lawn RM, et al. **Nucleic Acids Res** 1981 Nov 25;9(22):6103–114

A lac promotor with a changed distance between –10 and –35 regions. Mandecki W, et al. **Nucleic Acids Res** 1982 Feb 11;10(3):903–12

Nucleotide sequence of the lexA gene of Escherichia coli K–12. Markham BE, et al. **Nucleic Acids Res** 1981 Aug 25;9(16):4149–61

Structure of the complex between lac repressor headpiece and operator DNA from measurements of the orientation relaxation and the electric dichroism. Pörschke D, et al. **Nucleic Acids Res** 1982 Jun 25;10(12):3791–802

Primary structure of an unusual glycine tRNA UGA suppressor. Prather NE, et al. **Nucleic Acids Res** 1981 Dec 11;9(23):6421–8

Identification of gene products programmed by restriction endonuclease DNA fragments using an E. coli in vitro system. Pratt JM, et al. **Nucleic Acids Res** 1981 Sep 25; 9(18):4459–74

The DNA sequence of the gene rpsA of Escherichia coli coding for ribosomal protein S1. Schnier J, et al. **Nucleic Acids Res** 1982 Mar 25;10(6):1857–65

Expression of plant tumor–specific proteins in minicells of Escherichia coli: a fusion protein of lysopine dehydrogenase with chloramphenicol acetyltransferase. Schröder J, et al. **Nucleic Acids Res** 1981 Oct 24; 9(20):5187–202

Nucleotide sequence of the rrnG ribosomal RNA promoter region of Escherichia coli. Shen WF, et al. **Nucleic Acids Res** 1982 May 25;10(10):3303–13

Nucleotide sequence at the end of the gene for the RNA polymerase beta' subunit (rpoC). Squires C, et al. **Nucleic Acids Res** 1981 Dec 21;9(24):6827–40

Use of the 'Perceptron' algorithm to distinguish translational initiation sites in E. coli. Stormo GD, et al. **Nucleic Acids Res** 1982 May 11;10(9):2997–3011

Characterization of translational initiation sites in E. coli. Stormo GD, et al. **Nucleic Acids Res** 1982 May 11; 10(9):2971–96

Expression in Escherichia coli of chemically synthesized gene for a novel opiate peptide alpha–neo–endorphin. Tanaka S, et al. **Nucleic Acids Res** 1982 Mar 11;10(5):1741–54

Use of specific single stranded DNA probes cloned in M13 to study the RNA synthesis of four temperature–sensitive mutants of HK/68 influenza virus. Thierry F, et al. **Nucleic Acids Res** 1982 May 11;10(9):2925–38

The structure and function of the regulatory elements of the Escherichia coli uvrB gene. van den Berg E, et al. **Nucleic Acids Res** 1981 Nov 11;9(21):5623–43

The nucleotide sequence of the bacteriocin promoters of plasmids Clo DF13 and Col E1: role of lexA repressor and cAMP in the regulation of promoter activity. van den Elzen PJ, et al. **Nucleic Acids Res** 1982 Mar 25; 10(6):1913–28

Identification, nucleotide sequence and expression of the regulatory region of the histidine operon of Escherichia coli K–12. Verde P, et al. **Nucleic Acids Res** 1981 May 11;9(9):2075–86

The complete nucleotide sequence of the tryptophan operon of Escherichia coli. Yanofsky C, et al. **Nucleic Acids Res** 1981 Dec 21;9(24):6647–68 (62 ref.)

Dissection of the r–determinant of the plasmid R100.1: the sequence at the extremities of Tn21. Zheng ZX, et al. **Nucleic Acids Res** 1981 Dec 11;9(23):6265–78

The interaction of a gene (nur) controlling near–UV sensitivity and the polA1 gene in strains of E. coli K12. Tuveson RW. **Photochem Photobiol** 1981 Jun;33(6):919–23

Magnetic fields affect the lac operon system. Aarholt E, et al. **Phys Med Biol** 1982 Apr;27(4):606–10

Protein synthesis induced by infection with packaged lambda dv plasmid. Akaboshi E, et al. **Plasmid** 1981 Nov; 6(3):315–24

Genetic structure of the IncN plasmid N3. Ando T, et al. **Plasmid** 1981 Nov;6(3):293–301

Isolation and characterization of 2000–bp derivative of pBR322. Blank RD, et al. **Plasmid** 1982 May;7(3):287–9

Further characterization of R485, and IncX plasmid that determines two kinds of pilus. Bradley DE. **Plasmid** 1982 Jan;7(1):95–100

R plasmids of a new incompatibility group determine constitutive production of H pili. Bradley DE, et al. **Plasmid** 1982 May;7(3):230–8

Construction and fine mapping of recombinant plasmids containing the rrnB ribosomal RNA operon of E. coli. Brosius J, et al. **Plasmid** 1981 Jul;6(1):112–8

A mutant of the plasmid R100.1 capable of producing autonomous circular forms of its resistance determinant. Chandler M, et al. **Plasmid** 1982 May;7(3):251–62

IS2–IS2 and IS3–IS3 relative recombination frequencies in F integration. Deonier RC, et al. **Plasmid** 1980 Jan; 3(1):48–64

R–factor–mediated suppression of the galactose–sensitive phenotype of Escherichia coli K–12 galE Mutants. Fietta A, et al. **Plasmid** 1981 Jul;6(1):78–85

Compatibility and molecular properties of plasmid Rms 149 in Pseudomonas aeruginosa and Escherichia coli. Hedges RW, et al. **Plasmid** 1980 Jan;3(1):1–6

A stable derivative of pBR322 conferring increased tetracycline resistance and increased sensitivity to fusaric acid. Herrin GL Jr, et al. **Plasmid** 1982 May;7(3):290–3

The expression of plasmid–determined resistance to ampicillin in colicin K–tolerant mutant of Escherichia coli. Hubáček J, et al. **Plasmid** 1981 Jul;6(1):155–8

Isolation and characterization of R–plasmid variants with enhanced chromosomal mobilization ability in Escherichia coli K–12. Nayudu M, et al. **Plasmid** 1981 Jul;6(1):53–66

In vivo isolation of a pPJ3a–lambda cosmid mediated by the Tn2301 transposon. Piffaretti JC, et al. **Plasmid** 1981 Nov; 6(3):255–69

Killing of Klebsiella pneumoniae mediated by conjugation with bacteria carrying antibiotic–resistance plasmids of the group N. Rodriguez M, et al. **Plasmid** 1981 Jul;6(1):141–7

A host–dependent hybrid plasmid suitable as a suicidal carrier for transposable elements. Sato M, et al. **Plasmid** 1981 Nov; 6(3):325–31

A specific tetracycline–induced, low–molecular–weight RNA encoded by the inverted repeat of Tn10 (IS10). Schmidt FJ, et al. **Plasmid** 1981 Jul;6(1):148–50

F plasmid replication and the division cycle of Escherichia coli B/r. Steinberg DA, et al. **Plasmid** 1981 Nov; 6(3):342–53

Transposition of mercury resistance from a transferable R plasmic of Escherichia coli. Summers AO, et al. **Plasmid** 1980 Jan;3(1):35–47

Synthetic ColE1 Plasmids carrying genes for penicillin–binding proteins in Escherichia coli. Takeda Y, et al. **Plasmid** 1981 Jul;6(1):86–98

Chromosome transfer and R–prime formation by an RP4::mini–Mu derivative in Escherichia coli, Salmonella typhimurium, Klebsiella pneumoniae, and Proteus mirabilis. Van Gijsegem F, et al. **Plasmid** 1982 Jan;7(1):30–44

Physical and genetic analysis of the Inc–W group plasmids R388, Sa, and R7K. Ward JM, et al. **Plasmid** 1982 May; 7(3):239–50

The insertion sequence IS21 of R68.45 and the molecular basis for mobilization of the bacterial chromosome. Willetts NS, et al. **Plasmid** 1981 Jul;6(1):30–52

Synthesis and repair of RNA–containing supercoiled plasmid ColE1 DNA in Escherichia coli. Williams PH, et al. **Plasmid** 1982 Mar;7(2):180–91

Generation time–prolonging R plasmids: correlation between increases in the generation time of Escherichia coli caused

by R plasmids and their molecular size. Zünd P, et al. **Plasmid** 1980 Jan;3(1):65–9

Inducibility of a gene product required for UV and chemical mutagenesis in Escherichia coli. Bagg A, et al. **Proc Natl Acad Sci USA** 1981 Sep;78(9):5749–53

Staphylococcal plasmids that replicate and express erythromycin resistance in both Streptococcus pneumoniae and Escherichia coli. Barany F, et al. **Proc Natl Acad Sci USA** 1982 May;79(9):2991–5

Inverted repeats of Tn5 are transposable elements. Berg DE, et al. **Proc Natl Acad Sci USA** 1982 Apr;79(8):2632–5

Mechanism of action of the lexA gene product. Brent R, et al. **Proc Natl Acad Sci USA** 1981 Jul;78(7):4204–8

Base-pair substitution hotspots in GAG and GCG nucleotide sequences in Escherichia coli K-12 induced by cis-diamminedichloroplatinum (II). Brouwer J, et al. **Proc Natl Acad Sci USA** 1981 Nov;78(11):7010–4

The dnaN gene codes for the beta subunit of DNA polymerase III holoenzyme of escherichia coli. Burgers PM, et al. **Proc Natl Acad Sci USA** 1981 Sep;78(9):5391–5

Structured habitats and the evolution of anticompetitor toxins in bacteria. Chao L, et al. **Proc Natl Acad Sci USA** 1981 Oct;78(10):6324–8

Directionality and polarity in recA protein-promoted branch migration. Cox MM, et al. **Proc Natl Acad Sci USA** 1981 Oct;78(10):6018–22

Cloning arg3, the gene for ornithine carbamoyltransferase from Saccharomyces cerevisiae: expression in Escherichia coli requires secondary mutations; production of plasmid beta-lactamase in yeast. Crabeel M, et al. **Proc Natl Acad Sci USA** 1981 Aug;78(8):5026–30

Chi activity during transduction-associated recombination. Dower NA, et al. **Proc Natl Acad Sci USA** 1981 Nov; 78(11):7033–7

Mechanism for transcriptional action of cyclic AMP in Escherichia coli: entry into DNA to disrupt DNA secondary structure. Ebright RH, et al. **Proc Natl Acad Sci USA** 1981 Jul;78(7):4011–5

Broad host range plasmid RK2 encodes multiple kil genes potentially lethal to Escherichia coli host cells. Figurski DH, et al. **Proc Natl Acad Sci USA** 1982 Mar;79(6):1935–9

Enzymatic replication of the origin of the Escherichia coli chromosome. Fuller RS, et al. **Proc Natl Acad Sci USA** 1981 Dec;78(12):7370–4

Propagation of satellite phage P4 as a plasmid. Goldstein R, et al. **Proc Natl Acad Sci USA** 1982 Jan;79(2):515–9

Overlap between ampC and frd operons on the Escherichia coli chromosome. Grundström T, et al. **Proc Natl Acad Sci USA** 1982 Feb;79(4):1111–5

Gene order and gene-polypeptide relationships of the proton-translocating ATPase operon (unc) of Escherichia coli. Gunsalus RP, et al. **Proc Natl Acad Sci USA** 1982 Jan;79(2):320–4

Inversions between ribosomal RNA genes of Escherichia coli. Hill CW, et al. **Proc Natl Acad Sci USA** 1981 Nov; 78(11):7069–72

Direct immunoassay for detecting Escherichia coli colonies that contain polypeptides encoded by cloned DNA segments. Kemp DJ, et al. **Proc Natl Acad Sci USA** 1981 Jul;78(7):4520–4

Viable deletions of the M13 complementary strand origin. Kim MH, et al. **Proc Natl Acad Sci USA** 1981 Nov; 78(11):6784–8

Transposon-specified site-specific recombination. Kitts P, et al. **Proc Natl Acad Sci USA** 1982 Jan;79(1):46–50

Site-specific mutagenesis on cloned DNAs: generation of a mutant of Escherichia coli tyrosine suppressor tRNA in which the sequence G-T-T-C corresponding to the universal G-T-pseudouracil-C sequence of tRNAs is changed to G-A-T-C. Kudo I, et al. **Proc Natl Acad Sci USA** 1981 Aug;78(8):4753–7

Functional cooperation of the dnaE and dnaN gene products in Escherichia coli. Kuwabara N, et al. **Proc Natl Acad Sci USA** 1981 Sep;78(9):5764–7

Isolation of an altered form of DNA polymerase I from Escherichia coli cells induced for recA/lexA functions. Lackey D, et al. **Proc Natl Acad Sci USA** 1982 Jan; 79(2):330–4

Plasmid-directed synthesis of enzymes required for D-mannitol transport and utilization in Escherichia coli. Lee CA, et al. **Proc Natl Acad Sci USA** 1981 Dec; 78(12):7336–40

Purified lexA protein is a repressor of the recA and lexA genes. Little JW, et al. **Proc Natl Acad Sci USA** 1981 Jul; 78(7):4199–203

tif-1 mutation alters polynucleotide recognition by the recA protein of Escherichia coli. McEntee K, et al. **Proc Natl Acad Sci USA** 1981 Oct;78(10):6061–5

Factors determining frequency of plasmid cointegration mediated by insertion sequence IS1. Machida Y, et al. **Proc Natl Acad Sci USA** 1982 Jan;79(2):277–81

traG protein of the F sex factor of Escherichia coli K-12 and its role in conjugation. Manning PA, et al. **Proc Natl Acad Sci USA** 1981 Dec;78(12):7487–91

Molecular cloning of the crr gene and evidence that it is the structural gene for IIIGlc, a phosphocarrier protein of the bacterial phosphotransferase system. Meadow ND, et al. **Proc Natl Acad Sci USA** 1982 Apr;79(8):2528–32

SOS induction and autoregulation of the himA gene for site-specific recombination in Escherichia coli. Miller HI, et al. **Proc Natl Acad Sci USA** 1981 Nov;78(11):6754–8

Base insertion and deletion mutations induced in an Escherichia coli plasmid by benzo[a]pyrene-7,8-dihydrodiol-9,10-epoxide. Mizusawa H, et al. **Proc Natl Acad Sci USA** 1981 Nov;78(11):6817–20

Abortive termination of bioBFCD RNA synthesized in vitro from the bioABFCD operon of Escherichia coli K-12. Nath SK, et al. **Proc Natl Acad Sci USA** 1982 Mar; 79(6):1786–90

Translational control of ribosomal protein L10 synthesis occurs prior to formation of first peptide bond. Robakis N, et al. **Proc Natl Acad Sci USA** 1981 Jul;78(7):4261–4

Expression and processing of bacterial beta-lactamase in the yeast Saccharomyces cerevisiae. Roggenkamp R, et al. **Proc Natl Acad Sci USA** 1981 Jul;78(7):4466–70

Conditional expression of the vesicular stomatitis virus glycoprotein gene in Escherichia coli. Rose JK, et al. **Proc Natl Acad Sci USA** 1981 Nov;78(11):6670–4

Identification of the uvrC gene product. Sancar A, et al. **Proc Natl Acad Sci USA** 1981 Sep;78(9):5450–4

Efficient expression of Escherichia coli galactokinase gene in mammalian cells. Schümperli D, et al. **Proc Natl Acad Sci USA** 1982 Jan;79(2):257–61

Cloning of the uvrC gene of Escherichia coli: expression of a DNA repair gene. Sharma S, et al. **Proc Natl Acad Sci USA** 1981 Oct;78(10):6033–7

RNAs involved in copy-number control and incompatibility of plasmid R1. Stougaard P, et al. **Proc Natl Acad Sci USA** 1981 Oct;78(10):6008–12

Production in Escherichia coli of biologically active secretin, a gastrointestinal hormone. Suzuki M, et al. **Proc Natl Acad Sci USA** 1982 Apr;79(8):2475–9

Post-translational modification and processing of Escherichia coli prolipoprotein in vitro. Tokunaga M, et al. **Proc Natl Acad Sci USA** 1982 Apr;79(7):2255–9

Plasmid ColE1 incompatibility determined by interaction of RNA I with primer transcript. Tomizawa J, et al. **Proc Natl Acad Sci USA** 1981 Oct;78(10):6096–100

Sequence of galR gene indicates a common evolutionary origin of lac and gal repressor in Escherichia coli. von Wilcken-Bergmann B, et al. **Proc Natl Acad Sci USA** 1982 Apr;79(8):2427–31

Interaction of the Escherichia coli dnaA initiation protein with the dnaZ polymerization protein in vivo. Walker JR, et al. **Proc Natl Acad Sci USA** 1982 May;79(10):3340–4

Extensive sequence homology in the DNA coding for elongation factor Tu from Escherichia coli and the Chlamydomonas reinhardtii chloroplast. Watson JC, et al. **Proc Natl Acad Sci USA** 1982 Apr;79(7):2264–7

Heteroduplex formation by recA protein: polarity of strand exchanges. West SC, et al. **Proc Natl Acad Sci USA** 1981 Oct;78(10):6149–53

Amplification of the uvrA gene product of Escherichia coli to 7% of cellular protein by linkage to the pL promoter of pKC30. Yoakum GH, et al. **Proc Natl Acad Sci USA** 1982 Mar;79(6):1766–70

Escherichia coli factor Y sites of plasmid pBR322 can function as origins of DNA replication. Zipursky SL, et al. **Proc Natl Acad Sci USA** 1981 Oct;78(10):6111–5

Studies on Escherichia coli mutants which block bacteriophage morphogenesis. Tilly K, et al. **Prog Clin Biol Res** 1981;64:35–45

The inducible repair of alkylated DNA. Cairns J, et al. **Prog Nucleic Acid Res Mol Biol** 1981;26:237–44

Inducible error-prone repair and induction of prophage lambda in Escherichia coli. Devoret R. **Prog Nucleic Acid Res Mol Biol** 1981;26:251–63

The DNA replication origin (ori) of Escherichia coli: structure and function of the ori-containing DNA fragment. Hirota Y, et al. **Prog Nucleic Acid Res Mol Biol** 1981;26:33–48

DNA and nucleoside triphosphate binding properties of recA protein from Escherichia coli. McEntee K, et al. **Prog Nucleic Acid Res Mol Biol** 1981;26:265–79

Molecular mechanism for the induction of 'SOS' functions. Oishi M, et al. **Prog Nucleic Acid Res Mol Biol** 1981; 26:281–301

Certified host vector systems. **Recomb DNA Tech Bull** 1981 Dec;4(4):188–91

Risk assessment studies of E. coli host-vector systems. Levy SB, et al. **Recomb DNA Tech Bull** 1981 Sep;4(3):91–8

Isolation and characterization of a human fibroblast interferon gene and its expression in Escherichia coli. Derynck R, et al. **Rev Infect Dis** 1981 Nov-Dec; 3(6):1186–95 (85 ref.)

Cellstat-a continuous culture system of a bacteriophage for the study of the mutation rate and the selection process of the DNA level. Husimi Y, et al. **Rev Sci Instrum** 1982 Apr;53(4):517–22

Inducible repair of DNA. Howard-Flanders P. **Sci Am** 1981 Nov;245(5):72–80

RNA recombination: --introducing poly(A) into Q beta phage. Shen T, et al. **Sci Sin [B]** 1982 May;25(5):485–95

Phase variation of type 1 fimbriae in Escherichia coli is under transcriptional control. Eisenstein BI. **Science** 1981 Oct 16; 214(4518):337–9

Genetics and pathogenic role of Escherichia coli haemolysin. Hughes C, et al. **Toxicon** 1982;20(1):247–52

Infection of escherichia coli K-12 by bacteriophage phi X-174. Dowell CE, et al. **Virology** 1981 Oct 15; 114(1):252–5

The 'steady state' of coliphage f1: DNA synthesis late in infection. Lerner TJ, et al. **Virology** 1981 Dec;115(2):282–94

Replication and plasmid-bacteriophage recombination. I. Marker rescue analysis. Smith RD, et al. **Virology** 1981 Dec;115(2):223–36

Characterization of P1argF derivatives from Escherichia coli K12 transduction. II. Role of P1 in specialized transduction of argF. York MK, et al. **Virology** 1982 Jul 15;120(1):130–45

Further studies on a temperature-sensitive mutant of Escherichia coli with defective repair capacity. Morfiadakis I, et al. **Z Allg Mikrobiol** 1981;21(6):439–45

Occurrence and transfer of plasmids for antibiotic resistance and enterotoxin production in enterotoxigenic Escherichia coli of swine origin. Semjén G, et al. **Zentralbl Veterinarmed [B]** 1981;28(8):639–44

[Clonage of the 'malA' region of 'Escherichia coli' K12: nucleotide sequence of the regulatory region and the promoters, identification and purification of the MalT-activator protein (author's transl)] Raibaud O, et al. **Ann Microbiol (Paris)** 1982 Jan;133A(1):59–63 (Eng. Abstr.) **(Fre)**

[Determination of the terminal sequences of the transposon Tn7] Gosti-Testu F, et al. **C R Seances Acad Sci [III]** 1982 Jan 25;294(4):193–6 (Eng. Abstr.) **(Fre)**

[Isolation and purification of Escherichia coli K12 genes involved in the biosynthesis of lysine] Richaud F, et al. **C R Seances Acad Sci [III]** 1981 Nov 9;293(9):507–12 (Eng. Abstr.) **(Fre)**

[Regulation of the expression of Escherichia coli genes coding for the proteins involved in translation] Grunberg-Manago M. **C R Soc Biol (Paris)** 1981; 175(4):426–45 (Eng. Abstr.) **(Fre)**

[DNA degradation and survival of ozone-resistant and -sensitive mutants isolated in Escherichia coli B (author's transl)] Hamelin C, et al. **MGG** 1981;184(3):560–1 (Eng. Abstr.) **(Fre)**

[SOS responses and lexA gene in E. coli (author's transl)] Nakazawa A. **Seikagaku** 1981;53(3):154–9 (23 ref.) **(Jpn)**

[Regulation of synthesis of ribosomal proteins and RNA polymerase in Escherichia coli--autogenous regulation at translational step (author's transl)] Fukuda R. **Tanpakushitsu Kakusan Koso** 1981 Jun;26(7):896–914 (74 ref.) **(Jpn)**

[Autoregulation of gene expression; attenuation (author's transl)] Imamoto F. **Tanpakushitsu Kakusan Koso** 1982; 27(9):1215–26 (40 ref.) **(Jpn)**

[Organization of the initiation region of replication: the replication origin of the E. coli chromosome (author's transl)] Ogura T, et al. **Tanpakushitsu Kakusan Koso** 1982; 27(1):9–19 (40 ref.) **(Jpn)**

[Regulatory mechanism of ilv operon and role of isoleucine (author's transl)] Okada T. **Tanpakushitsu Kakusan Koso** 1982;27(9):1227–39 (72 ref.) **(Jpn)**

[Control of initiation of DNA replication in Escherichia coli (author's transl)] Sakakibara Y. **Tanpakushitsu Kakusan Koso** 1982;27(1):69–74 (48 ref.) **(Jpn)**

[Structural and functional analysis of the minimum essential region of oriC (author's transl)] Sugimoto K. **Tanpakushitsu Kakusan Koso** 1982;27(1):20–7 (14 ref.) **(Jpn)**

[Transmissivity of antibiotic resistance factors in intergeneric crossing of salmonellae and Escherichia Crimea] Kharchenko GI, et al. **Antibiotiki** 1981 Nov;26(11):841–3 (Eng. Abstr.) **(Rus)**

[Formation of stable Hfr strains in R factor RP1 integration with the chromosome of E. coli K12 recA and their use for R-plasmid selection] Volozhantsev NV, et al. **Antibiotiki** 1982 Feb;27(2):121–6 (Eng. Abstr.) **(Rus)**

[Migration of the ampicillin transposon in enteropathogenic Escherichia] Voskresenskiĭ AM. **Antibiotiki** 1981 Dec; 26(12):883–5 (Eng. Abstr.) **(Rus)**

[Dependence of threonine operon expression on the relA gene allelic state and the level of guanosine tetraphosphate in E. coli] Perel'man BV, et al. **Biokhimiia** 1981 Jul; 46(7):1267–76 (Eng. Abstr.) **(Rus)**

[Polypeptide synthesis dependent on kinetoplast DNA from Crithidia oncopelti in a cell-free system of E. coli] Zaĭtseva GN, et al. **Biokhimiia** 1981 Nov;46(11):2056–63 (Eng. Abstr.) **(Rus)**

[Mobilization capacity of the genetic transfer factors pAP38, pAP-39, pAP41, pAP42 and pAP43] Gigani OB, et al. **Biull Eksp Biol Med** 1982 May;93(5):82–5 (Eng. Abstr.) **(Rus)**

[F-like genetic transfer factor pAP42] Gubar' EV, et al. **Biull Eksp Biol Med** 1982 Apr;93(4):85–7 (Eng. Abstr.) **(Rus)**

[Induction of Escherichia coli K-12 mutants with an increased efficiency of plasmid transformation] Likhacheva NA, et al. **Biull Eksp Biol Med** 1982 May;93(5):81–2 (Eng. Abstr.) **(Rus)**

[Compatibility of F-like genetic transfer factor pAP43 with F-group incompatibility plasmids] Pekhov AP, et al. **Biull Eksp Biol Med** 1981 Aug;92(8):73–5 (Eng. Abstr.) **(Rus)**

[Ability of conjugated plasmids of serotyped E. coli to inhibit genetic transfer of depressed FLAC and PAP22-4 plasmids] Shchipkov VP. **Biull Eksp Biol Med** 1982 Jan; 93(1):70–3 (Eng. Abstr.) **(Rus)**

[Localization of the Escherichia coli RNA-polymerase binding site (promotor Patt) on phage lambda DNA near the integration site] Kravchenko VV, et al. **Dokl Akad Nauk SSSR** 1982;264(4):999–1001 **(Rus)**

[Direct expression of the gene of human leukocyte interferon F in Escherichia coli cells] Ovchinnikov IuA, et al.

Dokl Akad Nauk SSSR 1982;265(1):238–42 **(Rus)**

[Cloning of hepatitis B virus DNA in Escherichia coli] Pumpen PP, et al. **Dokl Akad Nauk SSSR** 1981; 260(4):1022–4 **(Rus)**

[Cloning and restriction analysis of the DNA BamHI–EcoRI fragment containing genes of the hsd-region in Escherichia coli] Zinkevich VE, et al. **Dokl Akad Nauk SSSR** 1981; 259(1):216–8 **(Rus)**

[Functioning of the hsdS gene of Escherichia coli K in recombinant plasmids containing phage lambda regulator regions] Zinkevich VE, et al. **Dokl Akad Nauk SSSR** 1982; 263(3):717–21 **(Rus)**

[Genetic control of plasmid R6K conjugativity] Abalakina EG, et al. **Genetika (Moskva)** 1981;17(9):1555–65 (Eng. Abstr.) **(Rus)**

[In vivo restriction of Escherichia coli–transforming DNA by endonuclease R.M.EcoRI] Aleshkin GI, et al. **Genetika (Moskva)** 1981;17(7):1205–10 (Eng. Abstr.) **(Rus)**

[Plasmid pKM101 sensitization of Escherichia coli strains to the action of ionizing radiation: the effect of the plasmid on survivability and induced mutagenesis] Aleshkin GI, et al. **Genetika (Moskva)** 1981;17(11):1904–8 (Eng. Abstr.) **(Rus)**

[Regulation of the activity of the Escherichia coli K–12 uridine phosphorylase gene. I. Mapping of the structural gene mutations and a determination of the direction of transcription] Alkhimova RA, et al. **Genetika (Moskva)** 1981;17(10):1730–6 (Eng. Abstr.) **(Rus)**

[Effect of mutations in the relC and spoT genes of the 'stringent' control regulatory system on the gene expression of Escherichia coli K–12 nucleoside catabolism] Brikun IA, et al. **Genetika (Moskva)** 1982;18(6):929–38 (Eng. Abstr.) **(Rus)**

[New class of RP4 plasmid mutations inducing a mucoid–type of Escherichia coli K–12 cell growth] Danilevich VN, et al. **Genetika (Moskva)** 1982;18(6):896–905 (Eng. Abstr.) **(Rus)**

[Analysis and properties of a bacterial clone containing a gene fragment of an immunoglobulin L chain] Deev SM, et al. **Genetika (Moskva)** 1982;18(6):888–95 (Eng. Abstr.) **(Rus)**

[Construction and selection of bacterial clones hybridized with the mRNA of a light–chain immunoglobulin] Deev SM, et al. **Genetika (Moskva)** 1982;18(6):880–7 (Eng. Abstr.) **(Rus)**

[Effect of alpha–tocopherol on the mutagenic repair pathways in Escherichia coli cells] Kalinina LM, et al. **Genetika (Moskva)** 1981;17(9):1644–8 (Eng. Abstr.) **(Rus)**

[Escherichia coli K–12 mutants assimilating adenine via a new metabolic pathway] Kocharian ShM, et al. **Genetika (Moskva)** 1982;18(6):906–15 (Eng. Abstr.) **(Rus)**

[Integration of the genome of the Mu–like Pseudomonas aeruginosa bacteriophage D3112 into plasmid RP4 and its hybrid plasmid transfer into Pseudomonas putida and Escherichia coli C600 bacteria] Krylov VN, et al. **Genetika (Moskva)** 1982;18(1):5–12 (Eng. Abstr.) **(Rus)**

[Genetic and biochemical aspects of recombination in Escherichia coli K–12: genetic control of recombination] Lantsov VA. **Genetika (Moskva)** 1981;17(7):1172–87 (79 ref.) **(Rus)**

[Genetic and biochemical aspects of recombination in Escherichia coli K–12: recombination enzymes] Lantsov VA. **Genetika (Moskva)** 1981;17(7):1188–204 (67 ref.) **(Rus)**

[Transducing lambda phages with Escherichia coli genes] Mindlin SZ, et al. **Genetika (Moskva)** 1981;17(8):1351–89 (300 ref.) (Eng. Abstr.) **(Rus)**

[Regulation of uridine phosphorylase gene activity in Escherichia coli K–12. II. A study of the nature of the constitutive synthesis of uridine phosphorylase in the rho15(ts) genome] Mironov AS. **Genetika (Moskva)** 1982; 18(6):939–46 (Eng. Abstr.) **(Rus)**

[Escherichia coli K–12 mutants for the thymidine phosphorylase structural gene that retain the anabolic function of the enzyme] Moskaleva ND, et al. **Genetika (Moskva)** 1981;17(9):1606–17 (Eng. Abstr.) **(Rus)**

[Repair and mutagenesis in Escherichia coli cells on induction in the DNA of monoadducts and cross–links by light–activated 8–methoxypsoralen. Dependence on the uvrA and polA genes] Peshekhonov VT, et al. **Genetika (Moskva)** 1981;17(11):1945–51 (Eng. Abstr.) **(Rus)**

[Effectiveness of plasmid RP4 mobilization of the bacterial chromosome in Escherichia coli strains lysogenic for phages Mu and lambda] Piruzian ES, et al. **Genetika (Moskva)** 1981;17(11):2052–6 (Eng. Abstr.) **(Rus)**

[Mapping of mutations within the genes coding for enzyme I and Hpr proteins of the phosphoenolpyruvate–dependent phosphotransferase system of Escherichia coli K–12. I. Mapping of the mutations within the ptsI gene] Rusina OIu, et al. **Genetika (Moskva)** 1981;17(10):1771–83 (Eng. Abstr.) **(Rus)**

[Mutation affecting the rate of RNA–polymerase beta beta'–subunit synthesis in Escherichia coli] Sever IS, et al. **Genetika (Moskva)** 1982;18(6):947–55 (Eng. Abstr.) **(Rus)**

[Genetic nature of an Escherichia coli mutant characterized by high basal levels of catabolite–sensitive enzymes in a study using glucose as the carbon source] Smirnov IuV, et al. **Genetika (Moskva)** 1982 May;18(5):736–42 (Eng. Abstr.) **(Rus)**

[Episome stability in Escherichia coli K–12] Sokolova EV, et al. **Genetika (Moskva)** 1982 Feb;18(2):199–206 (Eng. Abstr.) **(Rus)**

[Disturbance of the tandem promotor functioning of the Escherichia coli K–12 deo–operon in the genome of the rho15(ts) mutant for the transcription termination factor] Sukhodolets VV, et al. **Genetika (Moskva)** 1981; 17(10):1719–29 (Eng. Abstr.) **(Rus)**

[Cloning and the expression of the DNA promotor fragments of Bacillus thuringiensis in Escherichia coli cells] Tsoi TV, et al. **Genetika (Moskva)** 1981;17(12):2100–4 (Eng. Abstr.) **(Rus)**

[Para–aminobenzoic acid intensification of DNA repair processes in Escherichia coli K–12] Vasil'eva SV, et al. **Genetika (Moskva)** 1982 Mar;18(3):381–91 (Eng. Abstr.) **(Rus)**

[Genetic activity of para–aminobenzoic acid. The intensification of DNA polymerase I–dependent repair induced by chemical mutagens in toluene–treated Escherichia coli cells] Vasil'eva SV, et al. **Genetika (Moskva)** 1982 Mar;18(3):392–8 (Eng. Abstr.) **(Rus)**

[Replication characteristics of colicinogenic plasmid ColK in Escherichia coli cells] Zverev VV, et al. **Genetika (Moskva)** 1982;18(1):56–63 (Eng. Abstr.) **(Rus)**

[Phenotypic traits of Escherichia coli mutants defective in carbohydrate utilization] Zdorovenko GM, et al. **Mikrobiol Zh** 1981 Nov–Dec;43(6):734–8 (Eng. Abstr.) **(Rus)**

[Escherichia coli characteristics in phage DNA transfection] Iasnova LN, et al. **Mikrobiologiia** 1982 Mar–Apr; 51(2):324–7 **(Rus)**

[Structure of chromosomal deoxyribonucleoproteins. XI. Organization of deoxyribonucleoprotein complex in bacterial cells] Bakaev VV. **Mol Biol (Mosk)** 1981 Nov–Dec;15(6):1350–63 (Eng. Abstr.) **(Rus)**

[Transfection of bacterial cells by DNA of phage M13 entrapped in phospholipid vesicles] Beliaev ND, et al. **Mol Biol (Mosk)** 1982 May–Jun;16(3):612–8 (Eng. Abstr.) **(Rus)**

[Translation of RNA 4 from plant brome mosaic virus in an Escherichia coli cell–free system with pure protein factors in translation] Belitsina NV, et al. **Mol Biol (Mosk)** 1981 Nov–Dec;15(6):1234–44 (Eng. Abstr.) **(Rus)**

[Interaction of RNA polymerase with hybrid plasmids carrying Escherichia coli threonine operon] Kozlov IuI, et al. **Mol Biol (Mosk)** 1981 Nov–Dec;15(6):1245–57 (Eng. Abstr.) **(Rus)**

[Subjection of tetracycline resistance genes to cat promotor gene in plasmid pBR325] Kozlovskaia TM, et al. **Mol Biol (Mosk)** 1981 Sep–Oct;15(5):1158–68 (Eng. Abstr.) **(Rus)**

[Discontinuous transfer of phage T7 DNA molecules into Escherichia coli cells during infection] Zavriev SK, et al. **Mol Biol (Mosk)** 1982 Mar–Apr;16(2):411–23 (Eng. Abstr.) **(Rus)**

[Effect of Escherichia coli mutation affecting the RNA polymerase sigma factor on phage T4 development] Zograf IuN. **Mol Biol (Mosk)** 1982 Jan–Feb;16(1):94–7 (Eng. Abstr.) **(Rus)**

[Bacterial synthesis of human insulin — achievement of genetic engineering] Germaniuk IaL. **Vrach Delo** 1981 Nov; (11):38–40 **(Rus)**

[Fusion of protoplasts in Escherichia coli] Arbuzov VN, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1981;(8):68–73 (Eng. Abstr.) **(Rus)**

[Transfer to Escherichia coli of the mercury markers of new Pseudomonas aeruginosa plasmids] Domaradskiĭ IV, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1981 Jun;(6):27–32 (Eng. Abstr.) **(Rus)**

[Effect of plasmids and mutations of uvrA and exrA genes on survival of E. coli in the air] Skavronskaia AG, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1982 Feb;(2):30–4 **(Rus)**

[Reduction of sensitivity to colicin B in E. coli K–12 strains carrying plasmids of the S incompatibility group] Rodríguez Lemoine V. **Acta Cient Venez** 1980;31(6):561–5 (Eng. Abstr.) **(Spa)**

[In vivo heat damage to the E. coli nucleoid (author's transl)] Pellón JR, et al. **Rev Esp Fisiol** 1981 Jun;37(2):189–96 (Eng. Abstr.) **(Spa)**

GROWTH & DEVELOPMENT

Bactericidal activity of bovine serum against Escherichia coli isolated from the environment in 3 herds of dairy cows. Branley AJ. **Acta Microbiol Pol** 1981;30(4):419–21

Factors influencing the survival of pathogenic bacteria in soils. Tamási G. **Acta Vet Acad Sci Hung** 1981;29(2):119–26

Some measurements of protection against paratyphoid Salmonella and Escherichia coli by competitive exclusion chickens. Soerjadi AS, et al. **Avian Dis** 1981 Jul–Sep; 25(3):706–12

Competitive exclusion of intestinal colonization of Escherichia coli in chicks. Weinack OM, et al. **Avian Dis** 1981 Jul–Sep;25(3):696–705

Cysteine and growth inhibition of Escherichia coli: derepression of the ilvGEDA operon. Harris CL, et al. **Biochem Biophys Res Commun** 1981 Aug 31;101(4):1145–51

In vivo incorporation of selenalysine in Escherichia coli proteins and its effects on cell growth. Cini C, et al. **Biochim Biophys Acta** 1981 Dec 4;678(2):165–71

Inhibition of growth of Escherichia coli by lactose and other galactosides. Wilson DM, et al. **Biochim Biophys Acta** 1981 Dec 7;649(2):377–84

Inhibition of growth rate of Escherichia coli induced by extremely low–frequency weak magnetic fields. Ramon C, et al. **Bioelectromagnetics** 1981;2(3):285–9

The role of K antigens of enteropathogenic Escherichia coli in colonization of the small intestine of calves. Hadad JJ, et al. **Can J Comp Med** 1982 Jan;46(1):21–6

The influence of nutrition and temperature on the growth of colonies of Escherichia coli K12. Lewis MW, et al. **Can J Microbiol** 1981 Jul;27(7):679–84

Effect of carbon source on growth rate and phospholipid composition of Escherichia coli 15T– and an unsaturated fatty acid auxotroph. Urban JE, et al. **Can J Microbiol** 1981 Dec;27(12):1283–9

Bacterial growth studied by flow cytometry. Steen HB, et al. **Cytometry** 1980 Jul;1(1):32–6

Enterocyte adherence of Escherichia coli: its relation to diarrheal disease. Boedeker EC. **Gastroenterology** 1982 Aug;83(2):489–92

Intracellular potassium variations during growth of Escherichia coli. Kalimi GH, et al. **Indian J Exp Biol** 1981 Sep;19(9):808–11

Regulation of envelope–growth in Escherichia coli: horizontal envelope–growth by a process under cyclic AMP control. Kumar S, et al. **Indian J Exp Biol** 1981 Jul; 19(7):640–2

Antagonisms among isogenic strains of Escherichia coli in the digestive tracts of gnotobiotic mice. Duval–Iflah Y, et al. **Infect Immun** 1981 Dec;34(3):957–69

Escherichia coli and the human gut: some ecological considerations. Mason TG, et al. **J Appl Bacteriol** 1981 Aug;51(1):1–16 (135 ref.)

Synthesis of penicillin–binding protein 6 by stationary–phase Escherichia coli. Buchanan CE, et al. **J Bacteriol** 1982 Jul; 151(1):491–4

Bilinear cell growth of Escherichia coli. Kubitschek HE. **J Bacteriol** 1981 Nov;148(2):730–3

Generality of the growth kinetics of the average individual cell in different bacterial populations. Trueba FJ, et al. **J Bacteriol** 1982 Jun;150(3):1048–55

The maintenance of Plasmid–containing organisms in populations of Escherichia coli. Helling RB, et al. **J Gen Microbiol** 1981 Mar;123(Pt 1):129–41

Effect of preincubation temperature on the heat resistance of Escherichia coli having different fatty acid compositions. Katsui N, et al. **J Gen Microbiol** 1981 Feb;122(Pt 2):357–61

The survival of multi–antibacterial drug–resistant Escherichia coli and Salmonella typhimurium in stored static slurry from a veal calf unit. Hinton M, et al. **J Hyg (Lond)** 1982 Jun;88(3):557–65

Unsaturated fatty acid requirement in Escherichia coli: mechanism of palmitate–induced inhibition of growth of strain WN1. Ingram LO, et al. **J Membr Biol** 1982; 65(1–2):31–40

Significance of Escherichia coli in cheese [letter] Howie J. **Lancet** 1981 Oct 24;2(8252):939

Coliform test for cheese [letter] Waite WM. **Lancet** 1981 Nov 21;2(8256):1174–5

Thialysine utilization by E. coli and its effects on cell growth. Di Girolamo M, et al. **Mol Cell Biochem** 1982 Jul 7; 46(1):43–8

Antagonistic reactions of the moulds from cattle–feeds in relation of Staphylococcus aureus and Escherichia coli, pathogenic to cattle. Tiwari U. **Mykosen** 1981 Mar; 24(3):172–6

Generation time–prolonging R plasmids: correlation between increases in the generation time of Escherichia coli caused by R plasmids and their molecular size. Zünd P, et al. **Plasmid** 1980 Jan;3(1):65–9

The effect of plasmid gene expression on the colonizing ability of E. coli HS in mice. Laux DC, et al. **Recomb DNA Tech Bull** 1982 Mar;5(1):1–5

Haptoglobin: a natural bacteriostat. Eaton JW, et al. **Science** 1982 Feb 5;215(4533):691–3

Cultural methods for the production of heat–stable enterotoxin by porcine strains of Escherichia coli and its detection by the infant mouse test. Olsson E. **Vet Microbiol** 1982 Jul;7(3):253–66

Effect of high acid milk replacer in conjunction with hay and concentrates on the faecal coliform population of preweaned calves. Humphrey TJ, et al. **Vet Rec** 1982 Jan 23;110(4):85

Mannose–resistant haemagglutination and colonisation factors among Escherichia coli strains isolated from pigs. Oliveira MS, et al. **Vet Rec** 1981 Sep 26;109(13):275–8

Competition growth between Escherichia coli mutL and mut+ in continuously growing cultures. Tröbner W, et al. **Z Allg Mikrobiol** 1981;21(4):347–9

[Effect of age on permissive barrier effect against a strain of enterobacteria exerted by a complex bacterial flora in the digestive tract of mice reared in isolator (author's transl)] Ducluzeau R, et al. **Ann Microbiol (Paris)** 1981 Jul–Aug;132B(1):91–100 (Eng. Abstr.) **(Fre)**

[Implantation of a strain of 'Escherichia coli' in the digestive tract of human new–borns: barrier effect against antibioresistant 'E. coli' (author's transl)] Duval–Iflah Y, et al. **Ann Microbiol (Paris)** 1982 May–Jun;133(3):393–408 (Eng. Abstr.) **(Fre)**

[Attempts to colonize Enterobacteriaceae in the intestinal

flora of granivorous birds] Glünder G, et al. **Berl Munch Tierarztl Wochenschr** 1981 Aug 15; 94(16):322–5 (Eng. Abstr.) **(Ger)**

[Influence of intestinal flora upon the growth of Pseudomonas (author's transl)] Okamoto E. **Nippon Ika Daigaku Zasshi** 1981 Aug;48(4):517–26 (Eng. Abstr.) **(Jpn)**

[The OLPLN region of phage lambda suppresses E. coli growth] Glukhov IL, et al. **Dokl Akad Nauk SSSR** 1982; 264(2):478–81 **(Rus)**

[Changes in the redox potential in Escherichia coli growth cessation] Oktiabr'skii ON, et al. **Mikrobiologiia** 1981 May–Jun;50(3):467–70 (Eng. Abstr.) **(Rus)**

[Interaction of Bacteroides with pathogenic Escherichia in the intestines of gnotobiotic guinea pigs] Intizarov MM, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1981 Sep;(9):35–7 **(Rus)**

[Use of stationary-growth broth cultures for obtaining Escherichia enterotoxins. I. Study of the preparations from reference strains of enterotoxigenic Escherichia] Kleganov VK. **Zh Mikrobiol Epidemiol Immunobiol** 1982 Mar; (3):45–8 (Eng. Abstr.) **(Rus)**

[Use of stationary-growth broth cultures for obtaining Escherichia enterotoxins. II. Study of Escherichia preparations isolated from diarrhea patients] Romanenkova NI, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1982 Mar; (3):63–6 (Eng. Abstr.) **(Rus)**

IMMUNOLOGY

Serum antibodies against Escherichia coli and Proteus mirabilis after different types of operations. Bergman B, et al. **Acta Chir Scand** 1981;147(2):93–7

Antigenic characteristics of the stable protoplast type L-form of Escherichia coli W 1655 F+. Toshkov A, et al. **Acta Microbiol Bulg** 1980;6:3–10

Functional bacterial opsonic activity of human amniotic fluid. Cone MJ, et al. **Am J Obstet Gynecol** 1982 Feb 1; 142(3):282–7

Antigen–extinction profile in pregnant cows, using a K99-containing whole-cell bacterin to induce passive protection against enterotoxigenic colibacillosis of calves. Acres SD, et al. **Am J Vet Res** 1982 Apr;43(4):569–75

Using enzyme-linked immunosorbent assay to detect Escherichia coli K88 pili antigens from clinical isolates. Mills KW, et al. **Am J Vet Res** 1982 Feb;43(2):365–7

Enzyme-linked immunosorbent assay for the quantitation of immunoglobulin G bound to Escherichia coli. Mueller R, et al. **Am J Vet Res** 1981 Oct;42(10):1735–7

Monoclonal antibodies against the LamB protein. Gabay J. **Ann Microbiol (Paris)** 1982 Jan;133A(1):33–6

Production and evaluation of antibody to the heat-stable enterotoxin from a human strain of enterotoxigenic Escherichia coli. Kauffman PE. **Appl Environ Microbiol** 1981 Oct;42(4):611–4

Recognition of 2-keto-3-deoxyoctonate in bacterial cells and lipopolysaccharides by the sialic acid binding lectin from the horseshoe crab Carcinoscorpius rotunda cauda. Dorai DT, et al. **Biochem Biophys Res Commun** 1982 Jan 15; 104(1):141–7

Interaction of mannose-containing oligosaccharides with the fimbrial lectin of Escherichia coli. Firon N, et al. **Biochem Biophys Res Commun** 1982 Apr 29;105(4):1426–32

Interaction of the lectin limulin with capsular polysaccharides from Neisseria meningitidis and Escherichia coli. McSweegan EF, et al. **Biochem Biophys Res Commun** 1982 Jun 30;106(4):1390–7

Structure of the Escherichia coli K2 capsular antigen. Stereochemical configuration of the glycerophosphate and distribution of galactopyranosyl and galactofuranosyl residues. Fischer W, et al. **Biochemistry** 1982 Mar 16; 21(6):1279–84

Sialic acid polysaccharide antigens of Neisseria meningitidis and Escherichia coli: esterification between adjacent residues. Lifely MR, et al. **Carbohydr Res** 1981 Aug 1; 94(2):193–203

Structural studies of the O-specific side-chain of the lipopolysaccharide from Escherichia coli O 55. Lindberg B, et al. **Carbohydr Res** 1981 Nov 2;97(1):105–12

Structural and immunological studies of the Escherichia coli K7 (K56) capsular polysaccharide. Tsui FP, et al. **Carbohydr Res** 1982 Apr 16;102:263–71

Antibodies to Escherichia coli and serum immunoglobulin levels in epileptics on long-term anticonvulsant therapy. Andersen P, et al. **Clin Exp Immunol** 1981 Jul;45(1):137–42

Macrophage–lymphocyte interaction in response to a bacterial antigen (E. coli). Eibl M, et al. **Clin Exp Immunol** 1982 Feb;47(2):260–8

Escherichia coli antibody-secreting cells in the human intestine. Heddle RJ, et al. **Clin Exp Immunol** 1982 May; 48(2):469–76

The complete amino-acid sequence of the K88 antigen, a fimbrial protein from Escherichia coli. Klemm P. **Eur J Biochem** 1981 Jul;117(3):617–27

Transferable drug resistance (R-factor) in Escherichia coli isolated from children having acute diarrhoea. Agarwal KC, et al. **Indian J Med Res** 1981 Mar;73:308–12

Serological heterogeneity among fimbrial antigens causing mannose-resistant hemagglutination by uropathogenic Escherichia coli. Clegg S. **Infect Immun** 1982 Feb; 35(2):745–8

Hemagglutination activity and colonization factor antigens I and II in enterotoxigenic and non-enterotoxigenic strains of Escherichia coli isolated from humans. Cravioto A, et al. **Infect Immun** 1982 Apr;36(1):189–97

In vitro adhesion of piliated Escherichia coli to small intestinal villous epithelial cells from rabbits and the identification of a soluble 987P pilus receptor-containing fraction. Dean EA, et al. **Infect Immun** 1982 Jun; 36(3):1192–8

Purification, characterization, and partial covalent structure of Escherichia coli adhesive antigen K99. de Graaf FK, et al. **Infect Immun** 1981 Sep;33(3):877–83

Production, purification, and characterization of the fimbrial adhesive antigen F41 isolated from calf enteropathogenic Escherichia coli strain B41M. de Graaf FK, et al. **Infect Immun** 1982 May;36(2):751–8

Serum bacterial reaction by the alternative pathway of complement: potentiation by target multiplicity and modulation by serum factors. Fietta A, et al. **Infect Immun** 1981 Sep;33(3):704–9

Immunological nonidentity of heat-labile enterotoxins from human and porcine enterotoxigenic Escherichia coli. Honda T, et al. **Infect Immun** 1981 Nov;34(2):337–40

Effect of immune serum or polymyxin B on Escherichia coli–induced inflammation and vascular injury. Issekutz AC, et al. **Infect Immun** 1982 May;36(2):548–57

Protection in rats immunized with Escherichia coli heat-stable enterotoxin. Klipstein FA, et al. **Infect Immun** 1981 Nov;34(2):637–9

Experimental Escherichia coli ascending pyelonephritis in rats: active peroral immunization with live Escherichia coli. Mattsby-Baltzer I, et al. **Infect Immun** 1982 Feb; 35(2):647–53

Adhesion in vitro and in vivo associated with an adhesive antigen (F41) produced by a K99 mutant of the reference strain Escherichia coli B41. Morris JA, et al. **Infect Immun** 1982 Jun;36(3):1146–53

Enterotoxigenic Escherichia coli strains that express K88 and 987P pilus antigens. Schneider RA, et al. **Infect Immun** 1982 Apr;36(1):417–8

Effect of parenteral vaccination of dams on intestinal Escherichia coli in piglets with diarrhea. Söderlind O, et al. **Infect Immun** 1982 Jun;36(3):900–6

A surface polysaccharide of Escherichia coli O111 contains O-antigen and inhibits agglutination of cells by O-antiserum. Goldman RC, et al. **J Bacteriol** 1982 Sep; 151(3):1210–21

Monoclonal antibody as a probe for structure and function of an Escherichia coli outer membrane protein. Gabay J, et al. **J Biol Chem** 1982 Jun 25;257(12):6627–30

Studies on Escherichia coli vaccines: development of an agar–gel immunodiffusion method for the identification of antigens in E. coli vaccines. Hussaini SN, et al. **J Biol Stand** 1981 Oct;9(4):531–8

Induction of immunity against lethal Haemophilus influenzae type b infection by Escherichia coli core lipopolysaccharide. Marks MI, et al. **J Clin Invest** 1982 Apr;69(4):742–9

Comparison of paired whole milk and dried filter paper samples for anti-enterotoxin and anti-rotavirus activities. Brown SE 3d, et al. **J Clin Microbiol** 1982 Jul;16(1):103–6

Antigenic heterogeneity of haemagglutination type VI fimbriae produced by Escherichia coli isolated from patients with bacteremia. Clegg S, et al. **J Clin Microbiol** 1982 Jul;16(1):174–80

Detection of enterotoxigenic Escherichia coli colonization factor antigen I in stool specimens by an enzyme-linked immunosorbent assay. Evans DG, et al. **J Clin Microbiol** 1980 Dec;12(6):738–43

Use of a hemadsorption technique to evaluate the stability of the hemagglutination reaction of Escherichia coli cultures possessing human colonization factor antigens. Sedlock DM, et al. **J Clin Microbiol** 1982 Apr;15(4):554–7

Human serum complement requirements for bacterial killing and protoplast lysis of Escherichia coli ML308 225. Allen RJ, et al. **J Gen Microbiol** 1981 Mar;123(Pt 1):179–81

Interactions of Pseudomonas aeruginosa lectins with Escherichia coli strains bearing blood group determinants. Garber N, et al. **J Gen Microbiol** 1981 Apr;123(Pt 2):359–63

Inhibition of K99 antigen synthesis by L-alanine enterotoxigenic Escherichia coli. Girardeau JP, et al. **J Gen Microbiol** 1982 Mar;128(Pt 3):463–70

Antibody-independent interactions between Escherichia coli J5 and human complement components. Betz SJ, et al. **J Immunol** 1981 Nov;127(5):1748–54

The effect of specific antibody on antibody-independent interactions between E. coli J5 and human complement. Betz SJ, et al. **J Immunol** 1982 Feb;128(2):707–11

Cross-reactivity with Escherichia coli K100 in the human serum anticapsular antibody response to Haemophilus influenzae type B. Insel RA, et al. **J Immunol** 1982 Mar; 128(3):1267–70

Moculating effect of the late-acting components of the complement system on the bactericidal activity of human polymorphonuclear leukocytes on E. coli 0111:B4. Tedesco F, et al. **J Immunol** 1981 Nov;127(5):1910–5

Opsonization of serum-sensitive and serum-resistant Escherichia coli by rough mutant (Re) antisera. Crowley JP, et al. **J Lab Clin Med** 1982 Feb;99(2):197–205

Escherichia coli antibodies in opsonisation and protection against infection. van Dijk WC, et al. **J Med Microbiol** 1981 Nov;14(4):381–9

Opsonic effect of normal and infected human urine on phagocytosis of Escherichia coli and yeasts by neutrophils. Suzuki Y, et al. **J Urol** 1982 Feb;127(2):356–60

Occurrence of P-fimbriated Escherichia coli in urinary tract infections. Källenius G, et al. **Lancet** 1981 Dec 19–26; 2(8260–61):1369–72

Colonization factor antigen on enterotoxigenic Escherichia coli is a sialic-specific lectin [letter] Lindahl M, et al. **Lancet** 1982 Jul 31;2(8292):280

Mannose-resistant haemagglutination and P antigen recognition are characteristic of Escherichia coli causing primary pyelonephritis. Väisänen V, et al. **Lancet** 1981 Dec 19–26;2(8260–61):1366–9

Release of endotoxic lipopolysaccharide by sensitive strains of Escherichia coli submitted to the bactericidal action of human serum. Demonty J, et al. **Med Microbiol Immunol (Berl)** 1982;170(4):265–77

Immunogenicity of some common thermolabile surface antigens of Escherichia coli. Orskov F, et al. **Med Microbiol Immunol (Berl)** 1981;170(2):117–33

O antigen loss by semi-rough E. coli causing recurrent urinary infections, analysed by gel column filtration and gas–liquid chromatography. Webb L, et al. **Pathology** 1982 Jan;14(1):17–24

Studies on human milk III. Secretory IgA quantity and antibody levels against Escherichia coli in colostrum and milk from underprivileged and privileged mothers. Cruz JR, et al. **Pediatr Res** 1982 Apr;16(4 Pt 1):272–6

Epidemiological tracing of Escherichia coli by O antigen typing in a geriatric ward. Larsson P, et al. **Scand J Infect Dis** 1981;13(3):185–90

Immunotherapy of gram-negative bacterial sepsis: enhanced survival in a guinea pig model by use of rabbit antiserum to Escherichia coli J5. Dunn DL, et al. **Surgery** 1982 Aug; 92(2):212–9

Antibodies to heat-labile Escherichia coli enterotoxins in human milk and sera. A study of Ethiopian and Swedish mothers and their children. Aust-Kettis A, et al. **Trop Geogr Med** 1981 Sep;33(3):225–30

Effect of immunising pregnant sows with different Escherichia coli vaccines on the antibody levels in the piglet sera. Logan EF, et al. **Vet Rec** 1981 Dec 5; 109(23):513–4

E coli vaccination in pigs [letter] Nagy LK, et al. **Vet Rec** 1982 Feb 13;110(7):159

Identification of a serological cross–reaction between Brucella abortus and Escherichia coli 0:157. Stuart FA, et al. **Vet Rec** 1982 Feb 27;110(9):202–3

Detection of antibody to E. coli heat-labile enterotoxin in bovine sera samples from various regions of France. Dobrescu L, et al. **Zentralbl Veterinarmed [B]** 1981; 28(4):341–3

[Isolation of an agglutinating anti-E. coli K 88+ serum] Petkov M, et al. **Vet Med Nauki** 1981;18(1):27–31 (Eng. Abstr.) **(Bul)**

[Observation of the level of antibodies for E. coli in serum and immunologic state of patients with chronic hepatitis (author's transl)] Zeng MD. **Chung Hua Nei Ko Tsa Chih** 1981 Mar;20(3):148–50 **(Chi)**

[CA antibodies (Enterobacteriaceae common antigen) in the sera of domestic animals] Molenda J. **Pol Arch Weter** 1981; 23(1):31–41 (Eng. Abstr.) **(Pol)**

[Escherichia coli alpha-hemolysin antibodies in urinary tract infection] Galiński J, et al. **Pol Tyg Lek** 1981 Jul 13; 36(28): 051–3 (Eng. Abstr.) **(Pol)**

[Immunobiologic study of the role of heterogenetic antigens of uropathogenic strains of E. coli] Podoplelov II, et al. **Biull Eksp Biol Med** 1981 Jun;91(6):708–9 (Eng. Abstr.) **(Rus)**

[Heterogenetic antigens of E. coli similar to human sperm antigens] Popivanov RP, et al. **Biull Eksp Biol Med** 1981 Sep;92(9):316–7 (Eng. Abstr.) **(Rus)**

[Clinico-immunological evaluation of the effectiveness of specific hyposensitization in children with allergic diseases] Kuznetsova NI, et al. **Pediatrila** 1982 Feb;(2):35–7 **(Rus)**

[Electron microscopic study of the immune adherence reaction of bacteria with erythrocytes] Bykov AS, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1981 Sep;(9):102–6 **(Rus)**

[Use of the antibody neutralization reaction (after cultivation) for the diagnosis of intestinal coli infection] Levi MI, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1982 Mar;(3):48–52 (Eng. Abstr.) **(Rus)**

[Development of experimental keratoconjunctivitis as affected by the combined action of microbial agents and penicillin] Milovidova OV, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1982 Apr;(4):40–3 **(Rus)**

[Isolation and characteristics of E. coli plasmid-determined K88 antigen] Vodop'ianov SO, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1981 Nov;(11):31–6 (Eng. Abstr.) **(Rus)**

[Antigenic cross-reaction between neonatal intestinal mucosa and certain serotypes of Escherichia coli] Carrillo J. **Bol Med Hosp Infant Mex** 1982 Jan;39(1):11–7 (Eng. Abstr.) **(Spa)**

ISOLATION & PURIFICATION

Identification of low levels of heat labile enterotoxin in Escherichia coli from children with diarrhoea. Otnaess AB, et al. **Acta Pathol Microbiol Scand [B]** 1981 Jun;89(3):173–7

Comparison of the streak-plate and pour-plate techniques for determination of coliform counts of mild samples using

crystal violet-neutral red-lactose-bile (VRBL) medium. Szita G, et al. **Acta Vet Acad Sci Hung** 1981;29(1):13–6

Comparison of KS and BLB media for enumeration of coliform organisms in milk. Szita G, et al. **Acta Vet Acad Sci Hung** 1981;29(1):7–12

Effects of methylprednisolone sodium succinate on clearance of live E coli from the peripheral blood of dogs. White GL, et al. **Adv Shock Res** 1979;2:233–44

Fluorogenic assays for immediate confirmation of Escherichia coli. Feng PC, et al. **Appl Environ Microbiol** 1982 Jun;43(6):1320–9

Survival of Vibrio cholerae and Escherichia coli in estuarine waters and sediments. Hood MA, et al. **Appl Environ Microbiol** 1982 Mar;43(3):578–84

Comparison of four membrane filter methods for fecal coliform enumeration. Pagel JE, et al. **Appl Environ Microbiol** 1982 Apr;43(4):787–93

The isolation of Escherichia coli from a sheep slaughtering line in an abattoir. Bettelheim KA. **Comp Immunol Microbiol Infect Dis** 1981;4(1):93–100

Haemagglutination and buccal epithelial cell adherence of enterotoxigenic Escherichia coli isolated from infants with acute diarrhoeal disease. Panhotra BR, et al. **Indian J Med Res** 1981 Aug;74:187–91

The Escherichia coli content of Mytilus edulis from analysis of whole tissue or digestive tract. Al-Jebouri MM, et al. **J Appl Bacteriol** 1981 Aug;51(1):135–42

Interlaboratory evaluation of the AOAC method and the A-1 procedure for recovery of fecal coliforms from foods. Andrews WH, et al. **J Assoc Off Anal Chem** 1981 Sep; 64(5):1116–21

Isopycnic separation of Escherichia coli cultures possessing colonization factor antigen I. Giesa FR, et al. **J Clin Microbiol** 1982 Jun;15(6):1074–6

Frequency of Escherichia coli strains producing heat-labile toxin or heat-stable toxin or both in children with and without diarrhea in São Paulo. Reis MH, et al. **J Clin Microbiol** 1982 Jun;15(6):1062–4

Cholecystectomy wounds: source of infection. Macfarlane JR, et al. **J Hosp Infect** 1982 Mar;3(1):49–54

Escherichia coli in gastroenteritis of children in Auckland, New Zealand. Goldwater PN, et al. **J Hyg (Lond)** 1981 Dec;87(3):413–9

Rapid single-tube confirmatory test for Escherichia coli. Smith JL, et al. **J Hyg (Lond)** 1982 Aug;89(1):149–54

Serotypes of Escherichia coli isolated from patients with recurrent pyogenic cholangitis. Wong WT, et al. **J Hyg (Lond)** 1982 Jun;88(3):513–7

A medium for the rapid enumeration of Escherichia coli in the presence of other faecal coliforms in tropical waters. Wright RC. **J Hyg (Lond)** 1982 Apr;88(2):265–73

Bacterial contamination of warm carcase surfaces: the relation of total aerobic and coliform counts to the recovery of Escherichia coli I. McCulloch B, et al. **J S Afr Vet Assoc** 1981 Jun;52(2):119–22

What is the weanling's dilemma? Hibbert JM, et al. **J Trop Pediatr** 1981 Oct;27(5):255–8

Distribution of the colicinogenic strains and the heat stability of their colicins. Arai T, et al. **Keio J Med** 1981 Apr; 30(2):83–7

Tryptone lactose formate broth: a new single tube medium for rapid confirmation of Escherichia coli at 44 degrees C. Opara AA. **Med Lab Sci** 1981 Mar;38(2):127–8

Detection and enumeration of stressed coliforms. Leela RK, et al. **Nahrung** 1981;25(5):435–40

Bioluminescent measurement of ATP for the rapid detection of positive blood cultures. Beckers B, et al. **Naturwissenschaften** 1982 Mar;69(3):145–6

Fluctuation of drug-resistant Escherichia coli strains in chickens. Nakamura M, et al. **Nippon Juigaku Zasshi** 1981 Aug;43(4):481–90

Dwarf colony mutant of Escherichia coli causing purulent meningitis. Tärnvik A, et al. **Scand J Infect Dis** 1982; 14(2):147–9

Enteropathogenic, enterotoxigenic and enteroinvasive Escherichia coli isolated from acute gastroenteritis patients in Lagos, Nigeria. Agbonlahor DE, et al. **Trans R Soc Trop Med Hyg** 1982;76(2):265–7

An outbreak (?) caused by Escherichia coli O126:K71:H5 in premature infants. Goldhar J, et al. **Zentral Bakteriol Mikrobiol Hyg [A]** 1981 Nov; 250(4):470–7

[Presence of salmonellae and coliform bacteria in ground meat and the sources of its contamination] Ionova I, et al. **Vet Med Nauki** 1981;18(6):69–75 (Eng. Abstr.) **(Bul)**

[Method for determining the number of Escherichia coli in the trachea of chickens (author's transl)] Dho M, et al. **Ann Rech Vet** 1981;12(3):239–42 **(Fre)**

[Incidence of rotavirus infection and in combined infection of rotavirus and enteropathogenic Escherichia coli in French calves (author's transl)] Perrin B, et al. **Ann Rech Vet** 1981;12(3):259–63 (Eng. Abstr.) **(Fre)**

[Isolation and characterization of Escherichia coli strains sensitive to hydrophilic and/or charged antibiotics and toxics (author's transl)] Lambert B, et al. **C R Seances Acad Sci [III]** 1982 Mar 15;294(11):446–9 (Eng. Abstr.) **(Fre)**

[The reliability of E. coli and coliform germs as markers in drinking water hygiene] Müller HE. **Off Gesundheitswes** 1982 Jun;44(6):374–81 **(Ger)**

[Pathogenic microorganisms in the effluent from water purification plants and in the recipient basin] Steuer W. **Off Gesundheitswes** 1982 Jun;44(6):390–6 **(Ger)**

[Isolation of H2S-producing escherichia coli from urine samples (author's transl)] Weber A, et al. **Zentral Bakteriol Mikrobiol Hyg [A]** 1981 Dec;251(2):185–9 (Eng. Abstr.) **(Ger)**

[Hygienic quality of lakes which are used as open-air bath. 2. Communication: Comparison of biochemical typed Escherichia coli strains isolated from lake water and bird excrements (author's transl)] Dott W, et al. **Zentralbl Bakteriol Mikrobiol Hyg [B]** 1981; 173(3–4):233–41 (Eng. Abstr.) **(Ger)**

[Comparison of the MPN method and direct counting on specific selective media for bacteriological examination of surface and waste waters] Baldini I, et al. **Ann Sclavo** 1980 Nov-Dec;22(6):972–81 (Eng. Abstr.) **(Ita)**

[Bacterial indicators of fecal pollution in irrigation waters of vegetable gardens supplying the municipality of Natal, State of Rio Grande do Norte (Brazil)] Chagas SD, et al. **Rev Saude Publica** 1981 Dec;15(6):629–42 (Eng. Abstr.) **(Por)**

[Use of DNA-DNA hybridization for identification of bacteria in a mixed culture] Turova TP, et al. **Lab Delo** 1982;(4):240–3 **(Rus)**

[Serologic groups of O-antigens of E. coli isolated from urinary tract infections within the boundaries of the USSR and East Germany] Golubeva IV, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1981 Jul;(7):75–8 (Eng. Abstr.) **(Rus)**

[Detection of enterotoxigenic Escherichia in patients with diarrhea of undetermined etiology using experimental models] Romanenkova NI, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1981 Jul;(7):99–103 (Eng. Abstr.) **(Rus)**

[The incidence and transmission of plasmid resistance in E. coli isolated from young children and nurses in an infant institute] Hlaučová J, et al. **Cesk Pediatr** 1982 Jun; 37(6):336–9 (Eng. Abstr.) **(Slo)**

[Microbiological quality of frozen vegetable foods. II. Indicator microorganisms] Conejo Diaz JA. **Rev Sanid Hig Publica (Madr)** 1979 Jul-Aug; 53(7–8):1003–30 (Eng. Abstr.) **(Spa)**

[Microbiological quality of frozen vegetable foods. I. Pathogenic microorganisms] Ubeda Ruiz MA. **Rev Sanid Hig Publica (Madr)** 1979 May-Jun; 53(5–6):671–97 (Eng. Abstr.) **(Spa)**

METABOLISM

Relative stability of intracellular proteins in bacterial cells. St. John AC, et al. **Acta Biol Med Ger** 1981; 40(10–11):1375–84

Effect of a homologous beta-interferon preparation on degradation of Escherichia coli and on lysosomal enzyme activities in mouse peritoneal macrophages. Rollag H, et al. **Acta Pathol Microbiol Immunol Scand [B]** 1982 Apr; 90(2):113–8

Escherichia coli adenylate cyclase as a sensor of sugar transport function. Peterkofsky A. **Adv Cyclic Nucleotide Res** 1981;14:215–28

Enterotoxin production and resistance to antimicrobial agents in porcine and bovine Escherichia coli strains. de Lopez AG, et al. **Am J Vet Res** 1982 Jul;43(7):1286–7

Sperm immobilization by dental focus microorganisms. Linossier A, et al. **Andrologia** 1982 May-Jun;14(3):250–5

Aspects of maltose transport in Escherichia coli: established facts and educated guesses. Boos W. **Ann Microbiol (Paris)** 1982 Jan;133A(1):145–51

Reconstitution of maltose transport in malB and malA mutants of Escherichia coli. Brass JM. **Ann Microbiol (Paris)** 1982 Jan;133A(1):171–80

The metabolism of beta-glucosides in Escherichia coli K12. Defez R, et al. **Ann Microbiol (Paris)** 1982 May-Jun; 133(3):347–50

Affinity-chromatographic studies based on the binding-specificity of the lambda receptor of Escherichia coli. Ferenci T. **Ann Microbiol (Paris)** 1982 Jan; 133A(1):167–9

Reconsidering the early steps of protein secretion. Hall MN, et al. **Ann Microbiol (Paris)** 1982 Jan;133A(1):123–7

Some current problems in the study of the mechanism of protein localization in Escherichia coli. Ito K. **Ann Microbiol (Paris)** 1982 Jan;133A(1):101–4

Studies on the export of the maltose-binding protein and the LamB protein. Josefsson LG, et al. **Ann Microbiol (Paris)** 1982 Jan;133A(1):111–4

Kinetics of induction of the lamB-gene product in Escherichia coli: appearance of the newly synthesized protein in the cell envelope. Kok M, et al. **Ann Microbiol (Paris)** 1982 Jan;133A(1):139–44

Membrane potential stimulated binding of the maltose-binding protein to membrane vesicles of Escherichia coli. Richarme G, et al. **Ann Microbiol (Paris)** 1982 Jan;133A(1):199–204

The maltose-maltodextrin transport system of Escherichia coli. Shuman HA. **Ann Microbiol (Paris)** 1982 Jan; 133A(1):153–9

Co-translational insertion of envelope proteins: theoretical consideration and implications. Vos-Scheperkeuter CH, et al. **Ann Microbiol (Paris)** 1982 Jan;133A(1):129–38

Maltose and maltodextrin transport in Escherichia coli. Wandersman C. **Ann Microbiol (Paris)** 1982 Jan; 133A(1):161–3

Microcin 15m from Escherichia coli: mechanism of antibiotic action. Aguilar A, et al. **Antimicrob Agents Chemother** 1982 Mar;21(3):381–6

Penetration of moxalactam into its target proteins in Escherichia coli K-12: comparison of a highly moxalactam resistant mutant with its parent strain. Komatsu Y, et al. **Antimicrob Agents Chemother** 1981 Nov;20(5):613–9

Fosfomycin resistance plasmids do not affect fosfomycin transport into Escherichia coli. León J, et al. **Antimicrob Agents Chemother** 1982 Apr;21(4):608–12

Active uptake of tetracycline by membrane vesicles from susceptible Escherichia coli. McMurry LM, et al. **Antimicrob Agents Chemother** 1981 Sep;20(3):307–13

Penem derivatives: beta-lactamase stability and affinity for penicillin-binding proteins in Escherichia coli. Ohya S, et al. **Antimicrob Agents Chemother** 1982 Mar;21(3):492–7

New approach to tryptophan production by Escherichia coli: genetic manipulation of composite plasmids in vitro. Aiba S, et al. **Appl Environ Microbiol** 1982 Feb;43(2):289–97

Binding of metals to cell envelopes of Escherichia coli K-12. Beveridge TJ, et al. **Appl Environ Microbiol** 1981 Aug; 42(2):325–35

Enterotoxin production in milk at 22 and 4 degrees C by Escherichia coli and Yersinia enterocolitica. Olsvik O, et al. **Appl Environ Microbiol** 1982 May;43(5):997–1000

Protein turnover in chemostat cultures of Escherichia coli. Calandruccio JH, et al. **Arch Biochem Biophys** 1981 Aug; 210(1):270–4

Visualization of lipid biosynthesis in isolated cytoplasmic membrane vesicles of Escherichia coli by freeze fracture electron microscopy. Demant EJ, et al. **Arch Biochem Biophys** 1982 Jan;213(1):186–92

Modulation of the 3',5'-cyclic AMP content by the respiration rate in E. coli K-12. Hertz R, et al. **Arch Biochem Biophys** 1982 Jan;213(1):193–9

Iron uptake and iron limited growth of Escherichia coli K-12. Hartmann A, et al. **Arch Microbiol** 1981 Dec 2; 130(5):353–6

How close to the theoretical diffusion limit do bacterial uptake systems function? Koch AL, et al. **Arch Microbiol** 1982 Feb;131(1):36–42

Murein biosynthesis in ether permeabilized Escherichia coli starting from early peptidoglycan precursors. Maass D, et al. **Arch Microbiol** 1981 Dec;130(4):301–6

In vitro cartilage degradation by Escherichia coli and Staphylococcus aureus. Smith RL, et al. **Arthritis Rheum** 1982 Apr;25(4):441–6

Initiation, elongation and termination of polypeptide synthesis in cell-free systems from polyamine-deficient bacteria. Algranati ID, et al. **Biochem Biophys Res Commun** 1981 Nov 16;103(1):8–15

Structural alteration of rRNA in the L7/L12 region of 50s ribosome on removal of L7/L12 proteins. Byasmuni, et al. **Biochem Biophys Res Commun** 1982 Jan 15; 104(1):99–104

Isopycnography of intact cells - V: The kinetics of the initiation of DNA synthesis in E. coli undergoing nutrient shift-up. Czerkawski J, et al. **Biochem Biophys Res Commun** 1982 Jun 15;106(3):871–4

DNA strand scission in E. coli by electronically excited state molecules generated by enzymatic systems. De Toledo SM, et al. **Biochem Biophys Res Commun** 1982 Feb 11; 104(3):990–5

A mutation affecting the valine sensitivity of the acetohydroxyacid synthase III isoenzyme in E. coli K-12. Grimaldi G, et al. **Biochem Biophys Res Commun** 1981 Aug 31;101(4):1233–40

The binding of benzo[a]pyrene-7,8-dihydrodiol to bacteriophage phi X174 DNA. Hsu WT, et al. **Biochem Biophys Res Commun** 1981 Jul 16;101(1):317–25

Peptidoglycan synthetic enzyme activities of highly purified penicillin-binding protein 3 in Escherichia coli: a septum-forming reaction sequence. Ishino F, et al. **Biochem Biophys Res Commun** 1981 Aug 14;101(3):905–11

The DCCD-binding polypeptide is close to the F1 ATPase-binding site on the cytoplasmic surface of the cell membrane of Escherichia coli. Loo TW, et al. **Biochem Biophys Res Commun** 1982 May 31;106(2):400–6

Associative properties of the Escherichia coli galactose binding protein and maltose binding protein. Richarme G. **Biochem Biophys Res Commun** 1982 Mar 30;105(2):476–81

Induction of recA protein in Escherichia coli by three platinum (II) compounds. Salles B, et al. **Biochem Biophys Res Commun** 1982 Mar 15;105(1):202–8

Restoration of defective cellular functions by supply of DNA polymerase I to permeable cells of Escherichia coli. Shimizu K, et al. **Biochem Biophys Res Commun** 1981 Jul 16;101(1):15–21

Formation of hyper-crosslinked peptidoglycan with multiple crosslinkages by a penicillin-binding protein, 1A, of Escherichia coli. Tomioka S, et al. **Biochem Biophys Res Commun** 1982 Jun 30;106(4):1175–82

Quantitative measurements of the proton-motive force and its relation to steady state lactose accumulation in Escherichia coli. Ahmed S, et al. **Biochem J** 1981 Dec 15; 200(3):573–81

The effects of partial and selective reduction in the components of the proton-motive force on lactose uptake in Escherichia coli. Ahmed S, et al. **Biochem J** 1981 Dec 15;200(3):583–9

Energization of the transport systems for arabinose and comparison with galactose transport in Escherichia coli. Daruwalla KR, et al. **Biochem J** 1981 Dec 15;200(3):611–27

Proline biosynthesis in Escherichia coli. Stoichiometry and end-product identification of the reaction catalysed by glutamate semialdehyde dehydrogenase. Hayzer DJ, et al. **Biochem J** 1981 Aug 1;197(2):269–74

The role of potassium transport in the generation of a pH gradient in Escherichia coli. Kroll RG, et al. **Biochem J** 1981 Sep 15;198(3):691–8

Identification of the AraE transport protein of Escherichia coli. MacPherson AJ, et al. **Biochem J** 1981 Apr 15; 196(1):269–83

The kinetics of the beta-galactoside-proton symport of Escherichia coli. Page MG, et al. **Biochem J** 1981 Jun 15; 196(3):721–31

Isolation and characterization of the amino and carboxyl proximal fragments of the adenosine cyclic 3',5'-phosphate receptor protein of Escherichia coli. Aiba H, et al. **Biochemistry** 1981 Aug 4;20(16):4774–80

Kinetics of head-tail joining in bacteriophage T4D studied by quasi-elastic light scattering: effects of temperature, pH, and ionic strength. Aksiyote-Benbasat J, et al. **Biochemistry** 1981 Aug 18;20(17):5018–25

lac Repressor: a proton magnetic resonance look at the deoxyribonucleic acid binding fragment. Arndt KT, et al. **Biochemistry** 1981 Oct 13;20(21):6109–18

Specificity of the photoreaction of 4'-(hydroxymethyl)-4,5',8-trimethylpsoralen with ribonucleic acid. Identification of reactive sites in Escherichia coli phenylalanine-accepting transfer ribonucleic acid. Bachellerie JP, et al. **Biochemistry** 1982 Mar 16;21(6):1357–63

Catalytic mechanism of phenylalanyl-tRNA synthetase of Escherichia coli K10. Conformational change and tRNAPhe phenylalanylation are concerted. Baltzinger M, et al. **Biochemistry** 1982 May 11;21(10):2467–76

Kinetics of acyl transfer ribonucleic acid complexes of Escherichia coli phenylalanyl-tRNA synthetase. A conformational change is rate limiting in catalysis. Baltzinger M, et al. **Biochemistry** 1982 May 11; 21(10):2460–7

Proton nuclear magnetic resonance spectroscopy and ligand binding dynamics of the Escherichia coli L-arabinose binding protein. Clark AF, et al. **Biochemistry** 1982 Apr 27;21(9):2227–33

Comparison of the binding of cholera and Escherichia coli enterotoxins to Y1 adrenal cells. Donta ST, et al. **Biochemistry** 1982 Feb 16;21(4):660–4

Spectroscopic studies of the nucleotide binding site of elongation factor Tu from Escherichia coli. An approach to characterizing the elementary steps of the elongation cycle of protein biosynthesis. Eccleston JF. **Biochemistry** 1981 Oct 13;20(21):6265–72

Acquisition of native conformation of ribosomal 5S ribonucleic acid from Escherichia coli. Hydrodynamic and spectroscopic studies on the unfolding and refolding of ribonucleic acid. Fox JW, et al. **Biochemistry** 1982 Apr 27;21(9):2096–102

Escherichia coli single-strand deoxyribonucleic acid binding protein: stability, specificity, and kinetics of complexes with oligonucleotides and deoxyribonucleic acid. Krauss G, et al. **Biochemistry** 1981 Sep 1;20(18):5346–52

Reconstitution of binding protein dependent active transport of glutamine in spheroplasts of Escherichia coli. Masters PS, et al. **Biochemistry** 1981 Aug 18;20(17):4900–4

Effect of transfer ribonucleic acid dimer formation on polyphenylalanine biosynthesis. Miller DL et al. **Biochemistry** 1981 Sep 15;20(19):5457–61

Assessment of the exposure and environments of tryptophanyl residues in ribosomal protein S1 by fluorescence quenching. Omar SB, et al. **Biochemistry** 1981 Oct 27;20(22):6371–8

Physical mechanism for regulation of phosphoenolpyruvate-dependent glucose transport activity in Escherichia coli. Robillard GT, et al. **Biochemistry** 1981 Aug 18;20(17):5025–32

Hyperproduction of araC protein from Escherichia coli. Schleif RF, et al. **Biochemistry** 1982 Feb 16;21(4):778–82

Kinetics of transfer of Escherichia coli single strand deoxyribonucleic acid binding protein between single-stranded deoxyribonucleic acid molecules. Schneider RJ, et al. **Biochemistry** 1982 Feb 16;21(4):608–15

In vitro conversion of leucine to valine: configurational assignment of [5-13C]leucines. Sylvester SR, et al. **Biochemistry** 1981 Sep 15;20(19):5609–11

Nonanucleotide sequence from 16S ribonucleic acid at the peptidyl transfer ribonucleic acid binding site of the Escherichia coli ribosome. Taylor BH, et al. **Biochemistry** 1981 Dec 22;20(26):7581–8

Assessment by sedimentation equilibrium analysis of a heterologous macromolecular interaction in the presence of self-association: interaction of S5 with S8. Tindall SH, et al. **Biochemistry** 1981 Aug 18;20(17):4861–6

Phosphorus-31 nuclear magnetic resonance studies of bioenergetics in wild-type and adenosinetriphosphatase(1-) Escherichia coli cells. Ugurbil K, et al. **Biochemistry** 1982 Mar 2;21(5):1068–75

Fluorescence polarization studies of the interaction of Escherichia coli protein synthesis initiation factor 3 with 30S ribosomal subunits. Weiel J, et al. **Biochemistry** 1981 Sep 29;20(20):5859–65

The peptidyltransferase center of Escherichia coli ribosomes: binding sites for the cytidine 3'-phosphate residues of the aminoacyl-tRNA 3'-terminus and the interrelationships between the acceptor and donor sites. Bhuta P, et al. **Biochim Biophys Acta** 1982 Feb 26;696(2):208–11

Inhibition of the peptidyltransferase acceptor site by 2'(3')-O-cycloleucyl- and alpha-aminoisobutyryl derivatives of cytidylyl-(3'-5')adenosine. Chládek S, et al. **Biochim Biophys Acta** 1982 Feb 26;696(2):212–7

The ferrichrome-iron receptor of Escherichia coli K-12. Antigenicity of the fhuA protein. Coulton JW. **Biochim Biophys Acta** 1982 Jul 16;717(1):154–62

Methyl-accepting chemotaxis proteins are distributed in the membrane independently from basal ends of bacterial flagella. Engström P, et al. **Biochim Biophys Acta** 1982 Mar 23;686(1):19–26

Lactose-H+(-OH) transport system of Escherichia coli. Multistate gated pore model based on half-sites stoichiometry for high-affinity substrate binding in a symmetrical dimer. Lombardi FJ. **Biochim Biophys Acta** 1981 Dec 21;649(3):661–79

Characterization of a respiratory mutant of Escherichia coli with reduced uptake of aminoglycoside antibiotics. Muir ME, et al. **Biochim Biophys Acta** 1981 Dec 14;638(2):234–41

Counterflow efflux of thiamin in Escherichia coli. Nishimune T, et al. **Biochim Biophys Acta** 1981 Dec 7;649(2):419–26

Biosynthesis of vitamin B-12. Part I. Role of the ribosomal proteins in vitamin B-12 biosynthesis. Pezacka E, et al. **Biochim Biophys Acta** 1981 Dec 18;678(3):300–15

Biotin transport by a biotin-deficient strain of Escherichia coli. Piffeteau A, et al. **Biochim Biophys Acta** 1982 May 21;688(1):29–36

Uridine and uracil transport in Escherichia coli and transport-deficient mutants. Roy-Burman S, et al. **Biochim Biophys Acta** 1981 Aug 20;646(2):309–19

Photosensitized crosslinking of tRNA to the P-, A- and R-sites of Escherichia coli ribosomes. Kruse TA, et al. **Biochimie** 1982 Apr;64(4):279–84

Effect of monovalent cations on assimilation of tetracycline antibiotics by bacteria. Plakunov VK, et al. **Biol Bull Acad Sci Ussr** 1980 Nov-Dec;7(6):554–8

Thermodynamic and kinetic studies of the interaction between T5-phages and their receptor, isolated from Escherichia coli b, in the absence and presence of Triton X-100. Zarybnicky V, et al. **Biophys J** 1981 Sep; 35(3):615–36

Improved technique for investigation of cell metabolism by 31P NMR spectroscopy. Jacobson L, et al. **Biosci Rep** 1981 Feb;1(2):141–50

Studies on the possibilities of n-nitrosamine synthesis in milk with the contribution of an escherichia coli strain. Kisza J, et al. **Bull Acad Pol Sci [Biol]** 1980;28(1–2):7–16

Selective assimilation of selenite by Escherichia coli. Brown TA, et al. **Can J Microbiol** 1982 Mar;28(3):307–10

A differential killing assay for mutagens and carcinogens based on an improved repair-deficient strain of Escherichia coli. Tweats DJ, et al. **Carcinogenesis** 1981;2(3):189–94

Concerted strand exchange and formation of Holliday structures by E. coli RecA protein. DasGupta C, et al. **Cell** 1981 Aug;25(2):507–16

Role of the mature protein sequence of maltose-binding protein in its secretion across the E. coli cytoplasmic membrane. Ito K, et al. **Cell** 1981 Jul;25(1):143–50

Different exported proteins in E. coli show differences in the temporal mode of processing in vivo. Josefsson LG, et al. **Cell** 1981 Jul;25(1):151–7

E. coli mutant pleiotropically defective in the export of secreted proteins. Oliver DB, et al. **Cell** 1981 Sep; 25(3):765–72

Induction of SOS functions: regulation of proteolytic activity of E. coli RecA protein by interaction with DNA and nucleoside triphosphate. Phizicky EM, et al. **Cell** 1981 Jul; 25(1):259–67

Membrane assembly from purified components. I. Isolated M13 procoat does not require ribosomes or soluble proteins for processing by membranes. Silver P, et al. **Cell** 1981 Aug;25(2):341–5

Effect of caffeine on nucleotide pools in Escherichia coli. Sandlie I, et al. **Chem Biol Interact** 1982 Jun;40(2):141–8

Studies on the metabolism of unsaturated fatty acids. IV. N-Ethylmaleimide reducing activity in Escherichia coli K-12. Mizugaki M, et al. **Chem Pharm Bull (Tokyo)** 1981 Feb;29(2):570–3

Studies on deoxyribonucleic acids and related compounds. III. Synthesis of oligodeoxyribonucleotides complementary to the anticodon loop of Escherichia coli tRNAfmet by an improved triester method. Ohtsuka E, et al. **Chem Pharm Bull (Tokyo)** 1981 Dec;29(12):3440–8

Effects of live Escherichia coli and Bacteroides fragilis on metabolism and hepatic pO2. Rink RD, et al. **Circ Shock** 1981;8(5):601–11

Formation and utilization of PEP in microbial carbohydrate transport. Kornberg HL. **Curr Top Cell Regul** 1981; 18:313–27

Dependence on pH of parameters of lactose transport in Escherichia coli. Evidence for an essential protonated group of the carrier. Bentaboulet M, et al. **Eur J Biochem** 1981 Jul;117(2):233–8

Lipid-synthesis-dependent biosynthesis (or assembly) of major outer-membrane proteins of Escherichia coli. Bocquet-Pages C, et al. **Eur J Biochem** 1981 Aug; 118(1):105–11

Ribosomal protein S1 associates with Escherichia coli ribosomal 30-S subunit by means of protein-protein interactions. Boni IV, et al. **Eur J Biochem** 1982 Jan; 121(2):371–6

Export of a protein into the outer membrane of Escherichia coli K12. Stable incorporation of the OmpA protein requires less than 193 amino-terminal amino-acid residues. Bremer E, et al. **Eur J Biochem** 1982 Feb;122(1):223–31

Exclusive localization of colicin A in cell cytoplasm of producing bacteria. Cavard D, et al. **Eur J Biochem** 1981 Sep;119(1):125–31

Rate of translation and kinetics of processing of newly synthesized molecules of two major outer-membrane proteins, the OmpA and OmpF proteins, of Escherichia coli K12. Crowlesmith I, et al. **Eur J Biochem** 1982 Jun; 124(3):577–83

Polyamine requirement for streptomycin action on protein synthesis in bacteria. Goldemberg SH, et al. **Eur J Biochem** 1981 Jul;117(2):251–5

Electron microscopic analysis of the interaction of Escherichia coli RNA polymerase with alkylated T7 DNA. Guertin-Carignan M, et al. **Eur J Biochem** 1981 Nov; 120(2):221–7

Citrate-dependent iron transport system in Escherichia coli K-12. Hussein S, et al. **Eur J Biochem** 1981 Jul;117(2):431–7

Primary structure of Escherichia coli ribosomal protein S1 and features of its functional domains. Kimura M, et al. **Eur J Biochem** 1982 Mar;123(1):37–53

The mechanism of tryptophan binding to tryptophan synthase from Escherichia coli. Lane AN, et al. **Eur J Biochem** 1981 Nov;120(2):379–87

The properties of the tRNA . protein complex of the Escherichia coli ribosome. Interaction with tRNA, 5-S RNA and 30-S ribosomal subunit. Matspalu E, et al. **Eur J Biochem** 1982 May 17;124(2):269–73

The composition and properties of the Escherichia coli 5-S RNA-protein complex. Metspalu E, et al. **Eur J Biochem** 1982 Jan;121(2):383–9

The regulation of potassium fluxes for the adjustment and maintenance of potassium levels in Escherichia coli. Meury J, et al. **Eur J Biochem** 1981 Sep;119(1):165–70

Synthesis of human interferon beta 1 in Escherichia coli infected by a lambda phage recombinant containing a human genomic fragment. Mory Y, et al. **Eur J Biochem** 1981 Nov;120(1):197–202

Maturation of exported proteins in Escherichia coli. Requirement for energy, site and kinetics of processing. Pages JM, et al. **Eur J Biochem** 1982 Jun;124(3):561–6

Glucose transport in Salmonella typhimurium and Escherichia coli. Postma PW, et al. **Eur J Biochem** 1982 Mar;123(1):113–9

Binding of tRNA to Escherichia coli ribosomes as measured by velocity sedimentation. Schmitt M, et al. **Eur J Biochem** 1981 Sep;119(1):61–6

Origin and characterization of short DNA chains in Escherichia coli. Siegmann DW, et al. **Eur J Biochem** 1981 Dec;120(3):497–509

Fragments of ribosomal protein S1 and its mutant form m1-S1. Localization of nucleic-acid-binding domain in the middle region of S1. Subramanian AR, et al. **Eur J Biochem** 1981 Oct;119(2):245–9

The function of ribosomal protein S21 in protein synthesis. Van Duin J, et al. **Eur J Biochem** 1981 Sep 1;118(3):615–9

Attachment of lipoprotein to the murein of Escherichia coli. Wensink J, et al. **Eur J Biochem** 1982 Mar 1;122(3):587–90

Lactose carrier protein of Escherichia coli. Reconstitution of galactoside binding and countertransport. Wright JK, et al. **Eur J Biochem** 1982 Jun;124(3):545–52

High magnesium content of Escherichia coli B. Moncany ML, et al. **Experientia** 1981;37(8):846–7

Studies on the modification of Escherichia coli ribosomal protein L7/L12 by succinic anhydride. Pintor-Toro JA, et al. **Experientia** 1982 Feb 15;38(2):241–3

Domain structure of bacteriophage fd adsorption protein. Armstrong J, et al. **FEBS Lett** 1981 Nov 30;135(1):167–72

N-ethylmaleimide induces K+ -H+ antiport activity in Escherichia coli K-12. Bakker EP, et al. **FEBS Lett** 1982 Apr 19;140(2):177–80

Template-free ribosomal synthesis of polylysine from lysyl-tRNA. Belitsina NV, et al. **FEBS Lett** 1981 Aug 31; 131(2):289–92

Peptidyl-puromycin synthesis on polysomes from starving bacteria. Cortay JC, et al. **FEBS Lett** 1981 Jun 1; 128(1):83–6

Localization of the elongation factor G on Escherichia coli ribosome. Girshovich AS, et al. **FEBS Lett** 1981 Jul 20; 130(1):54–9

Characterization of minor fragments after digestion of Escherichia coli murein with endo-N,O-diacetylmuramidase from Chalaropsis, and determination of glycan chain length. Gmeiner J, et al. **FEBS Lett** 1982 Feb 8;138(1):109–12

The effect upon aminoacylation of bisulphite addition to 2-methylthio-N6-isopentenyl adenosine of Escherichia coli phenylalanine tRNA. Goddard JP, et al. **FEBS Lett** 1981 Aug 3;130(2):221–2

Differential binding of streptomycin to ribosomes of polyamine-deficient bacteria grown in the absence and presence of putrescine. Goldemberg SH, et al. **FEBS Lett** 1982 Jun 7;142(2):275–9

Metabolism of macromolecular methyl groups in Escherichia coli. Whole cell NMR spectroscopy. Hayashi F, et al. **FEBS Lett** 1981 Jun 1;128(1):79–82

Selectivity of the Escherichia coli outer membrane porins ompC and ompF. Heller KB, et al. **FEBS Lett** 1981 Jul

6;129(2):253–5
Glutathione derivatives as inhibitors of glutaredoxin and ribonucleotide reductase from Escherichia coli. Höög JO, et al. **FEBS Lett** 1982 Feb 8;138(1):59–61
Study of the interaction of Escherichia coli initiation factor IF2 with formylmethionyl-tRNAMetf by partial digestion with cobra venom ribonuclease. Petersen HU, et al. **FEBS Lett** 1981 Jun 1;128(1):161–5
Dissociation of proteins from Escherichia coli ribosomes after dimethylmaleic anhydride treatment. Effects of elongation factor G and antibiotics. Pintor-Toro JA, et al. **FEBS Lett** 1981 Nov 30;135(1):21–4
The ferrichrome receptor protein (tonA) of Escherichia coli is synthesised as a precursor in vitro. Plastow GS, et al. **FEBS Lett** 1981 Aug 31;131(2):262–4
Assembly of functional b-type cytochromes in membranes from a 5-aminolaevulinic acid-requiring mutant of Escherichia coli. Reid GA, et al. **FEBS Lett** 1981 Aug 31;131(2):346–50
Processive pyrophosphorolysis of RNA by Escherichia coli RNA polymerase. Rozovskaya TA, et al. **FEBS Lett** 1982 Jan 11;137(1):100–4
Structural features of the GDP binding site of elongation factor Tu from Escherichia coli as determined by x-ray diffraction. Rubin JR, et al. **FEBS Lett** 1981 Jun 29; 129(1):177–9
The interaction of 5 S RNA and its large fragments with ribosomal proteins. Sedman J, et al. **FEBS Lett** 1981 Dec 28;136(2):251–4
Hydrolysis of phospholipids by phospholipase C in intact cells of wild-type and envelope mutants of Escherichia coli K12. Stárková Z, et al. **FEBS Lett** 1981 Aug 3; 130(2):261–4
Synthesis of an unnatural P-N bond catalyzed with Escherichia coli ribosomes. Tarussova NB, et al. **FEBS Lett** 1981 Jul 20;130(1):85–7
Lactose transport in Escherichia coli cells. Evidence in favor of a permease-catalyzed efflux of lactose without protons. Therisod H, et al. **FEBS Lett** 1982 Apr 19;140(2):181–4
Solubilization and reconstitution of membrane energy-transducing systems of Escherichia coli. Tsuchiya T, et al. **FEBS Lett** 1982 Jun 7;142(2):231–4
The proteins of donor tRNA-binding site of Escherichia coli ribosomes. Vladimirov SN, et al. **FEBS Lett** 1981 Nov 30; 135(1):155–8
Physical parameters of Escherichia coli translational initiation factor 3 binding to poly(A). Wickstrom E. **FEBS Lett** 1981 Jun 1;128(1):154–6
Influence of the deletions of A2-A3 promoters or a terminator of early genes upon the rate of T7 DNA entrance into Escherichia coli cell. Zavriev SK, et al. **FEBS Lett** 1981 Aug 17;131(1):99–102
Inter-protein dependences during assembly of the 50S subunit from Escherichia coli ribosomes. Röhl R, et al. **Hoppe Seylers Z Physiol Chem** 1982 Feb;363(2):143–57
Inhibition of aminoacylation of formylmethionine tRNA of E. coli by deoxyribooligonucleotides complementary to the anticodon loop. Jayaraman K, et al. **Indian J Biochem Biophys** 1981 Feb;18(1):7–10
Production of phospholipase A and enterotoxin by isolates of Escherichia coli from urinary and gastrointestinal tracts. Hashia R, et al. **Indian J Med Res** 1981 Nov;74:656–61
A study of heat-stable enterotoxins of enteropathogenic coli: Part II. Chemical nature of toxic fractions. Tewari L, et al. **Indian J Med Sci** 1981 May;35(5):104–8
A study on heat-stable enterotoxins of enteropathogenic E. coli: Part I. Fractionation by agar gel electrophoresis. Tewari L, et al. **Indian J Med Sci** 1981 May;35(5):99–103
Iron-suppressible production of hydroxamate by Escherichia coli isolates. Stuart SJ, et al. **Infect Immun** 1982 Jun; 36(3):870–5
ColV plasmid-specific aerobactin synthesis by invasive strains of Escherichia coli. Warner PJ, et al. **Infect Immun** 1981 Aug;33(2):540–5
Hydrolyzing activities on cAMP in E. coli B cells incubated in the presence of polyamines. Illiano G, et al. **Int J Biochem** 1982;14(4):247–50
Radiochemical cross-linking between proteins and RNA within 70 S ribosomal particles from E. coli MRE600. Giocanti N, et al. **Int J Radiat Biol** 1981 Nov;40(5):507–24
Ribosomal proteins S9 and L6 participate in the binding of [3H]dibekacin to E. coli ribosomes. Akiyama T, et al. **J Antibiot (Tokyo)** 1981 Jun;34(6):763–9
Binding of [3H]tetrahydroleucomycin A3 to Escherichia coli ribosomes and the effect of 3'-O-acyl derivatives of leucomycins on the binding. Omura S, et al. **J Antibiot (Tokyo)** 1982 Apr;35(4):491–6
Enhancement of activity of metronidazole by Escherichia coli under sub-optimal anaerobic conditions. Ingham HR, et al. **J Antimicrob Chemother** 1981 Dec;8(6):475–9
Penetration of SQ 26,776, a new monobactam antibiotic, into Escherichia coli and Pseudomonas aeruginosa [letter] Russell AD, et al. **J Antimicrob Chemother** 1982 Apr; 9(4):329–31
Identification of the molybdenum cofactor in chlorate-resistant mutants of Escherichia coli. Amy NK. **J Bacteriol** 1981 Oct;148(1):274–82
Interconversion of components of the bacterial proton motive force by electrogenic potassium transport. Bakker EP, et al. **J Bacteriol** 1981 Sep;147(3):820–6
The cloacin receptor of ColV-bearing Escherichia coli is part of the Fe3+-aerobactin transport system. Bindereif A, et al. **J Bacteriol** 1982 Jun;150(3):1472–5
Regulation of fatty acid degradation in Escherichia coli: analysis by operon fusion. Clark D. **J Bacteriol** 1981 Nov; 148(2):521–6
Genetic and biochemical analyses of pantothenate biosynthesis in Escherichia coli and Salmonella typhimurium. Cronan JE Jr, et al. **J Bacteriol** 1982 Mar; 149(3):916–22
Overproduction of cis-vaccenic acid and altered temperature control of fatty acid synthesis in a mutant of Escherichia coli. de Mendoza D, et al. **J Bacteriol** 1982 Sep; 151(3):1608–11
Threonine prevents derepression of pyridoxine synthesis in Escherichia coli B. Dempsey WB. **J Bacteriol** 1982 Jun; 150(3):1476–8
Relationship between the OmpC and LamB proteins of Escherichia coli and its influence on the protein mass of the outer membrane. Diedrich DL, et al. **J Bacteriol** 1982 Jan;149(1):156–60
In vitro host cell reactivation of alkylated bacteriophage T7 deoxyribonucleic acid by repair-deficient strains of Escherichia coli. Dodson LA, et al. **J Bacteriol** 1981 Sep; 147(3):720–7
Effect of bacteriophage lambda infection on synthesis of groE protein and other Escherichia coli proteins. Drahos DJ, et al. **J Bacteriol** 1982 Mar;149(3):1050–63
Direct participation of lexA protein in repression of colicin E1 synthesis. Ebina Y, et al. **J Bacteriol** 1982 Jun; 150(3):1479–81
Interaction of 125I-labeled colicin E1 with Escherichia coli. Farid-Sabet S. **J Bacteriol** 1982 Jun;150(3):1383–90
Replication of a low-copy-number plasmid by a plasmid DNA-membrane complex extracted from minicells of Escherichia coli. Firshein W, et al. **J Bacteriol** 1982 Jun; 150(3):1234–43
Secretion and processing of ribose-binding protein in Escherichia coli. Garwin JL, et al. **J Bacteriol** 1982 Feb; 149(2):789–92
Identification of a protein of 15,000 daltons related to isoleucine-valine biosynthesis in Escherichia coli K-12. Gray JE, et al. **J Bacteriol** 1982 Jul;151(1):127–34
Initiation of chromosome replication in dnaA and dnaC mutants of Escherichia coli B/r F. Helmstetter CE, et al. **J Bacteriol** 1982 Feb;149(2):685–93
The tsx protein of Escherichia coli can act as a pore for amino acids. Heuzenroeder MW, et al. **J Bacteriol** 1981 Sep;147(3):1113–6
Use of lipophilic cation-permeable mutants for measurement of transmembrane electrical potential in metabolizing cells of Escherichia coli. Hirota N, et al. **J Bacteriol** 1981 Nov; 148(2):399–405
Analysis of btuB receptor function by use of nonsense suppression. Hunter MG, et al. **J Bacteriol** 1982 Sep; 151(3):1591–4
Regulation of fatty acid composition in Escherichia coli: a proposed common mechanism for changes induced by ethanol, chaotropic agents, and a reduction of growth temperature. Ingram LO. **J Bacteriol** 1982 Jan; 149(1):166–72
Regulation of coenzyme A biosynthesis. Jackowski S, et al. **J Bacteriol** 1981 Dec;148(3):926–32
13N isotope studies on the pathway of ammonia assimilation in Bacillus megaterium and Escherichia coli. Kim CH, et al. **J Bacteriol** 1982 Jul;151(1):358–66
Kinetics of biosynthesis of iron-regulated membrane proteins in Escherichia coli. Klebba PE, et al. **J Bacteriol** 1982 Mar; 149(3):880–8
Stimulation of groE synthesis in Escherichia coli by bacteriophage lambda infection. Kochan J, et al. **J Bacteriol** 1982 Mar;149(3):1166–70
L-arabinose transport systems in Escherichia coli K-12. Kolodrubetz D, et al. **J Bacteriol** 1981 Nov;148(2):472–9
Kinetics of minichromosome replication in Escherichia coli B/r. Leonard AC, et al. **J Bacteriol** 1982 Feb; 149(2):499–507
The mistaken identity of colicin A. Luria SE. **J Bacteriol** 1982 Jan;149(1):386
New mechanism for post-translational processing during assembly of a cytoplasmic membrane protein? MacGregor CH, et al. **J Bacteriol** 1981 Nov;148(2):551–8
Cellular levels, excretion, and synthesis rates of cyclic AMP in Escherichia coli grown in continuous culture. Matin A, et al. **J Bacteriol** 1982 Mar;149(3):801–7
Cytoplasmic steps of peptidoglycan synthesis in Escherichia coli. Mengin-Lecreulx D, et al. **J Bacteriol** 1982 Sep; 151(3):1109–17
L-serine degradation in Escherichia coli K-12: a combination of L-serine, glycine, and leucine used as a source of carbon. Newman EB, et al. **J Bacteriol** 1982 Aug;151(2):777–82
dnaC-dependent reconstitution of replication forks in Escherichia coli lysates. Nüsslein-Crystalla V, et al. **J Bacteriol** 1982 Apr;150(1):286–92
Enhancement of ribosomal ribonucleic acid synthesis by deoxyribonucleic acid gyrase activity in Escherichia coli. Oostra BA, et al. **J Bacteriol** 1981 Dec;148(3):782–7
Protein H encoded by plasmid CloDF13 is involved in excretion of cloacin DF13. Oudega B, et al. **J Bacteriol** 1982 Jun;150(3):1115–21
Comparison among patterns of macromolecular synthesis in Escherichia coli B/r at growth rates of less and more than one doubling per hour at 37 degrees C. Pierucci O, et al. **J Bacteriol** 1981 Nov;148(2):684–96
Interaction of the maltose-binding protein with membrane vesicles of Escherichia coli. Richarme G. **J Bacteriol** 1982 Feb;149(2):662–7
Phosphate exchange in the pit transport system in Escherichia coli. Rosenberg H, et al. **J Bacteriol** 1982 Jan;149(1):123–30
Control of rRNA and tRNA syntheses in Escherichia coli by guanosine tetraphosphate. Ryals J, et al. **J Bacteriol** 1982 Sep;151(3):1261–8
Control of RNA synthesis in Escherichia coli after a shift to higher temperature. Ryals J, et al. **J Bacteriol** 1982 Sep; 151(3):1425–32
Temperature dependence of RNA synthesis parameters in Escherichia coli. Ryals J, et al. **J Bacteriol** 1982 Aug; 151(2):879–87
Characteristics of a binding protein-dependent transport system for sn-glycerol-3-phosphate in Escherichia coli that is part of the pho regulon. Schweizer H, et al. **J Bacteriol** 1982 Jun;150(3):1154–63
Exogenous induction of the Escherichia coli hexose phosphate transport system defined by uhp-lac operon fusions. Shattuck-Eidens DM, et al. **J Bacteriol** 1981 Oct; 148(1):203–9
Proton translocation coupled to trimethylamine N-oxide reduction in anaerobically grown Escherichia coli. Takagi M, et al. **J Bacteriol** 1981 Dec;148(3):762–8
Overproduction of the Escherichia coli recA protein without stimulation of its proteolytic activity. Uhlin BE, et al. **J Bacteriol** 1981 Oct;148(1):386–90
Release of heat-labile enterotoxin subunits by Escherichia coli. Yamamoto T, et al. **J Bacteriol** 1982 Jun;150(3):1482–4
Transfer of the phosphatidyl moiety of phosphatidylglycerol to phosphatidylethanolamine in Escherichia coli. Yokota K, et al. **J Bacteriol** 1982 Aug;151(2):952–61
Oversynthesis of elongation factors G and Tu in Escherichia coli. Zengel JM, et al. **J Bacteriol** 1982 Feb;149(2):793–7
Synthesis of various phospholipids from 2-acyl lysophospholipids by Escherichia coli extract. Homma H, et al. **J Biochem (Tokyo)** 1982 Apr;91(4):1103–10
Transacylation between diacylphospholipids and 2-acyl lysophospholipids catalyzed by Escherichia coli extract. Homma H, et al. **J Biochem (Tokyo)** 1982 Apr; 91(4):1093–101
Conformational studies of Escherichia coli ribosomes with the use of acridine orange as a probe. Horie K, et al. **J Biochem (Tokyo)** 1981 Aug;90(2):449–61
Stringent control of intermediary metabolism in Escherichia coli: pyruvate excretion by cells grown on succinate. Kodaki T, et al. **J Biochem (Tokyo)** 1981 Nov;90(5):1437–44
Primary structure of the polypeptide chain elongation factor Tu from E. coli. I. Amino acid sequence of fragment B. Nakamura S, et al. **J Biochem (Tokyo)** 1982 Mar; 91(3):1047–63
Adsorption of 14C-labeled gramicidin S on cell of bacteria. Yonezawa H, et al. **J Biochem (Tokyo)** 1981 Oct; 90(4):1087–91
Purification and properties of a periplasmic D-xylose-binding protein from Escherichia coli K-12. Ahlem C, et al. **J Biol Chem** 1982 Mar 25;257(6):2926–31
Physical interaction between the phage lambda receptor protein and the carrier-immobilized maltose-binding protein of Escherichia coli. Bavoil P, et al. **J Biol Chem** 1981 Nov 25;256(22):11385–8
Nucleic binding affinity of bacteriophage T4 gene 32 protein in the cooperative binding mode. Bobst AM, et al. **J Biol Chem** 1982 Jun 10;257(11):6184–93
recA protein-promoted DNA strand exchange. Stable complexes of recA protein and single-stranded DNA formed in the presence of ATP and single-stranded DNA binding protein. Cox MM, et al. **J Biol Chem** 1982 Jul 25; 257(14):8523–32
Molecular properties of short chain acyl thioesters of acyl carrier protein. Cronan JE Jr. **J Biol Chem** 1982 May 10; 257(9):5013–7
Sources of one-carbon units in the folate pathway of Escherichia coli. Dev IK, et al. **J Biol Chem** 1982 Feb 25;257(4):1980–6
Hydrolysis of GTP by elongation factor Tu can be induced by monovalent cations in the absence of other effectors. Fasano O, et al. **J Biol Chem** 1982 Mar 25;257(6):3145–50
Stoichiometry of subunits in the H+-ATPase complex of Escherichia coli. Foster DL, et al. **J Biol Chem** 1982 Feb 25;257(4):2009–15
Kinetic studies on the interaction of chain initiation factor 3 with 70 S Escherichia coli ribosomes and subunits. Goss DJ, et al. **J Biol Chem** 1982 Sep 10;257(17):10119–27
Enzymatic synthesis, characterization, and metabolism of the coenzyme A ester of o-succinylbenzoic acid, an intermediate in menaquinone (vitamin K2) biosynthesis. Heide L, et al. **J Biol Chem** 1982 Jul 10;257(13):7396–400
The in vivo distribution of oxidized and reduced thioredoxin in Escherichia coli. Holmgren A, et al. **J Biol Chem** 1982 Jun 25;257(12):6926–30
Mechanism of translocation. Binding equilibria between the ribosome, mRNA analogues, and cognate tRNAs. Holschuh K, et al. **J Biol Chem** 1982 Feb 25;257(4):1987–92
The reconstitution of binding protein-dependent active transport of glutamine in isolated membrane vesicles from Escherichia coli. Hunt AG, et al. **J Biol Chem** 1981 Dec 10;256(23):11988–91
Mechanism of signal peptide cleavage in the biosynthesis of the major lipoprotein of the Escherichia coli outer membrane. Hussain M, et al. **J Biol Chem** 1982 May 10;

257(9):5177–82
Mechanism of export of outer membrane lipoproteins through the cytoplasmic membrane in Escherichia coli. Binding of lipoprotein precursors to the peptidoglycan layer. Ichihara S, et al. **J Biol Chem** 1982 Jan 10;257(1):495–500
The receptor for colicin E3. Isolation and some properties. Imajoh S, et al. **J Biol Chem** 1982 Jun 10;257(11):6481–7
Analysis of the Escherichia coli ribosome–ribosomal subunit equilibrium using pressure–induced dissociation. Infante AA, et al. **J Biol Chem** 1982 Jan 10;257(1):80–7
Purification of the precursor form of maltose–binding protein, a periplasmic protein of Escherichia coli. Ito K. **J Biol Chem** 1982 Sep 10;257(17):9895–7
Beta protein of bacteriophage lambda promotes renaturation of DNA. Kmiec E, et al. **J Biol Chem** 1981 Dec 25; 256(24):12636–9
Free sigma factor of Escherichia coli RNA polymerase can bind to DNA. Kudo T, et al. **J Biol Chem** 1981 Oct 10; 256(19):9778–81
Correlation between RNA synthesis and basal level guanosine 5'–diphosphate 3'–diphosphate in relaxed mutants of Escherichia coli. Lagosky PA, et al. **J Biol Chem** 1981 Nov 25;256(22):11651–6
Biosynthetic production of 13C–labeled amino acids with site–specific enrichment. LeMaster DM, et al. **J Biol Chem** 1982 Feb 10;257(3):1224–30
Altered transport properties in Escherichia coli mutants selected for pH–conditional growth on 3–deoxy–2–oxo–D–gluconate. Mandrand–Berthelot MA, et al. **J Biol Chem** 1982 Aug 10;257(15):8806–16
Escherichia coli heat–labile enterotoxin. Ganglioside specificity and ADP–ribosyltransferase activity. Moss J, et al. **J Biol Chem** 1981 Dec 25;256(24):12861–5
L–Arabinose–binding protein–sugar complex at 2.4 A resolution. Stereochemistry and evidence for a structural change. Newcomer ME, et al. **J Biol Chem** 1981 Dec 25; 256(24):13213–7
The radius of gyration of L–arabinose–binding protein decreases upon binding of ligand. Newcomer ME, et al. **J Biol Chem** 1981 Dec 25;256(24):13218–22
Altered cation coupling to melibiose transport in mutants of Escherichia coli. Niiya S, et al. **J Biol Chem** 1982 Aug 10;257(15):8902–6
Immunoelectron microscopic localization of puromycin binding on the large subunit of the Escherichia coli ribosome. Olson HM, et al. **J Biol Chem** 1982 Mar 10; 257(5):2649–56
Effect of recA protein on the DNAse activities of the recBC enzyme. Prell A, et al. **J Biol Chem** 1981 Oct 25; 256(20):10415–9
Regulation of phospholipid synthesis in Escherichia coli. Composition of the acyl–acyl carrier protein pool in vivo. Rock CO, et al. **J Biol Chem** 1982 Sep 25;257(18):10759–65
Identification of the mglA gene product in the beta–methylgalactoside transport system of Escherichia coli using plasmid DNA deletions generated in vitro. Rotman B, et al. **J Biol Chem** 1982 Aug 10;257(15):9030–4
The binding site for ribosomal protein L11 within 23 S ribosomal RNA of Escherichia coli. Schmidt FJ, et al. **J Biol Chem** 1981 Dec 10;256(23):12301–5
Role of superhelicity in homologous pairing of DNA molecules promoted by Escherichia coli recA protein. Shibata T, et al. **J Biol Chem** 1982 Jan 10;257(1):370–6
Changing reactivity of receptor carboxyl groups during bacterial sensing. Stock JB, et al. **J Biol Chem** 1981 Nov 10;256(21):10826–33
Ribosomal proteins cross–linked to peptide chain termination release factor 2. Stöffler G, et al. **J Biol Chem** 1982 Apr 25;257(8):4203–6
Biosynthesis of pyridoxol. The origin of the C2–unit, C–2',–2. Vella GJ, et al. **J Biol Chem** 1981 Oct 25;256(20):10469–74
The binding of fluorescein–labeled protein synthesis initiation factor 2 to Escherichia coli 30 S ribosomal subunits determined by fluorescence polarization. Weiel J, et al. **J Biol Chem** 1982 Feb 10;257(3):1215–20
RecA protein–dependent proteolysis of bacteriophage lambda repressor Characterization of the reaction and stimulation by DNA–binding proteins. Weinstock GM, et al. **J Biol Chem** 1981 Nov 10;256(21):10883–8
Na+ gradient–coupled porters of EScherichia coli share a common subunit. Zilberstein D, et al. **J Biol Chem** 1982 Apr 10;257(7):3692–6
The sodium/proton antiporter is part of the pH homeostasis mechanism in Escherichia coli. Zilberstein D, et al. **J Biol Chem** 1982 Apr 10;257(7):3687–91
The biosynthesis of membrane–bound M13 coat protein. Energetics and assembly intermediates. Zimmermann R, et al. **J Biol Chem** 1982 Jun 10;257(11):6529–36
Regulation of lactose transport by the phosphoenolpyruvate–sugar phosphotransferase system in membrane vesicles of Escherichia coli. Dills SS, et al. **J Cell Biochem** 1982;18(2):239–44
Detection of binding between transfer RNA and RNA polymerase by high–performance liquid chromatography. Amero S. **J Chromatogr** 1982 Jun 4;241(2):413–5
Properties of human growth hormone polypeptides: purified from pituitary extracts and synthesized in monkey kidney cells and bacteria. Hizuka N, et al. **J Clin Endocrinol Metab** 1982 Sep;55(3):545–50
Effects of iodoamphenicol on ribosome assembly in two strains of Escherichia coli. Butler PD, et al. **J Gen Microbiol** 1982 May;128 (Pt 5):997–1001
Susceptibility of protein synthesis in Escherichia coli to tetracycline and minocycline. Chopra I, et al. **J Gen Microbiol** 1981 May;124(Pt 1):187–9
A mutant inducible for galactitol utilization in Escherichia coli K12. Delidakis CE, et al. **J Gen Microbiol** 1982 Mar; 128(Pt 3):601–4
The effect of alterations in the fluidity and phase state of the membrane lipids on the passive permeation and facilitated diffusion of glycerol in Escherichia coli. Eze MO, et al. **J Gen Microbiol** 1981 Jun;124(Pt 2):299–307
Envelope protein synthesis and inhibition of cell division in Escherichia coli during inactivation of the B subunit of DNA gyrase. Herrero E, et al. **J Gen Microbiol** 1982 Feb; 128(Pt 2):361–9
Colicins E4, E5, E6 and A and properties of btuB+ colicinogenic transconjugants. Males BM, et al. **J Gen Microbiol** 1982 Jan;128 (Pt 1):95–106
Some properties of glutathione biosynthesis–deficient mutants of Escherichia coli B. Murata K, et al. **J Gen Microbiol** 1982 May;128 (Pt 5):1047–52
The light–reversible binding of carbon monoxide to cytochrome a1 in Escherichia coli K12. Poole RK, et al. **J Gen Microbiol** 1981 Aug;125(Pt 2):431–8
Respiratory biogenesis during the cell cycle of aerobically grown Escherichia coli K12. The accumulation of iron–sulphur clusters and their orientation in the membrane. Poole RK, et al. **J Gen Microbiol** 1981 May;124(Pt 1):181–5
Generation of a membrane potential by one of two independent pathways for nitrite reduction by Escherichia coli. Pope NR, et al. **J Gen Microbiol** 1982 Jan;128 (Pt 1):219–22
Respiratory biogenesis during the cell cycle of aerobically grown Escherichia coli K 12. The accumulation and ligand binding of cytochrome o. Scott RI, et al. **J Gen Microbiol** 1981 Feb;122(Pt 2):255–61
A role for threonine deaminase in the regulation of alpha–acetolactate biosynthesis in Escherichia coli K12. Squires CH, et al. **J Gen Microbiol** 1981 Nov;127, pt 1:19–25
A comparison of confirmatory media for coliform organisms and Escherichia coli in water. By a joint committee of the Public Health Laboratory Service and the Standing Committee of Analysts. **J Hyg (Lond)** 1981 Dec; 87(3):369–75
The enterotoxigenicity of strains of Escherichia coli isolated from the faeces of healthy people and cattle. Bettelheim KA, et al. **J Hyg (Lond)** 1982 Feb;88(1):121–3
Role of pyridoxal kinase in vitamin B6 uptake by Escherichia coli. Yamada R, et al. **J Nutr Sci Vitaminol (Tokyo)** 1981; 27(3):177–91
Calcium phosphate crystal formation in Escherichia coli from human urine: an in vitro study. Cohen MS, et al. **J Urol** 1982 Jan;127(1):184–5
Polymannose O–antigens of Escherichia coli, the binding sites for the reversible adsorption of bacteriophage T5+ via the L–shaped tail fibers. Heller K, et al. **J Virol** 1982 Jan; 41(1):222–7
Dual functions of bacteriophage T4D gene 28 product: structural component of the viral tail baseplate central plug and cleavage enzyme for folyl polyglutamates. II. Folate metabolism and polyglutamate cleavage activity of uninfected and infected Escherichia coli cells and bacteriophage. Kozloff LM, et al. **J Virol** 1981 Dec; 40(3):645–56
Preliminary studies on the immunogenicity and amount of Escherichia coli polypeptides in biosynthetic human insulin produced by recombinant DNA technology. Baker RS, et al. **Lancet** 1981 Nov 21;2(8256):1139–42
Detection of Escherichia coli producing heat–labile toxin: comparison between Y1 adrenal cell assay, ganglioside–ELISA and Biken tests [letter] De Mol P, et al. **Lancet** 1982 Mar 27;1(8274):739–40
A simple assay to detect Escherichia coli producing heat labile enterotoxin: results of a field study of the Biken tests in Bangladesh. Honda T, et al. **Lancet** 1981 Sep 19; 2(8247):609–10
Prevention of rhinovirus colds by human interferon alpha–2 from Escherichia coli. Scott GM, et al. **Lancet** 1982 Jul 24;2(8291):186–8
Polyamine biosynthesis in Escherichia coli: construction of polyamine–deficient mutants. Tabor H. **Med Biol** 1981 Dec; 59(5–6):389–93
The genetics of protein secretion in Escherichia coli. Bassford PJ Jr, et al. **Methods Cell Biol** 1981;23:27–38 (29 ref.)
Synthesis of capsular polymers containing polysialic acid in Escherichia coli 07–K1. Troy FA, et al. **Methods Enzymol** 1982;83 Pt D:540–8
Methylation of ribosomal proteins during ribosome assembly in Escherichia coli. Chang FN. **MGG** 1981;183(3):418–21
Analysis of lambda receptor and beta–lactamase synthesis and export using cloned genes in a minicell system. Clement JM, et al. **MGG** 1982;185(2):302–10
Degradation of ribosomal RNA in bacteriophage lambda lysogens after thermal induction. Ono T, et al. **Microbiol Immunol** 1981;25(5):433–44
Transport mechanisms of 6–diazo–5–oxo–L–norleucine in Escherichia coli K–12. Williams MV. **Microbiologica** 1982 Jan;5(1):57–61
RNA synthesis and degradation during preferential inhibition of protein synthesis by cobalt chloride in Escherichia coli K–12. Guha C, et al. **Mol Biol Rep** 1981 Aug 14;7(4):217–20
Reversible modification of 50S ribosomal subunits with dimethylmaleic anhydride: protein–deficient particles. Pintor–Toro JA, et al. **Mol Cell Biochem** 1982 Mar 5; 43(1):43–7
Syntheses and stabilities of proteins related to the polyoma small T antigen in Escherichia coli. Horwich A, et al. **Mol Cell Biol** 1982 Jan;2(1):88–92
Vero cytotoxin produced by Escherichia coli strains of animal origin. Kashiwazaki M, et al. **Natl Inst Anim Health Q (Tokyo)** 1981 Summer;21(2):68–72
Etiologic studies on enterotoxigenic Escherichia coli among isolates from domestic animals in Japan. Ueda H, et al. **Natl Inst Anim Health Q (Tokyo)** 1981 Summer;21(2):108–9
Inhibition of experimental ascending urinary tract infection by an epithelial cell–surface receptor analogue. Edén CS, et al. **Nature** 1982 Aug 5;298(5874):560–2
Precursor forms of penicillin–binding proteins 5 and 6 of E. coli cytoplasmic membrane. Pratt JM, et al. **Nature** 1981 Sep 24;293(5830):307–9
Molecular cloning and nucleotide sequencing of the gene for E. coli cAMP receptor protein. Aiba H, et al. **Nucleic Acids Res** 1982 Feb 25;10(4):1345–61
Fluorescence modification of Escherichia coli 5S RNA. Digweed M, et al. **Nucleic Acids Res** 1981 Jul 10; 9(13):3187–98
The proteins of the messenger RNA binding site of Escherichia coli ribosomes. Gimautdinova OI, et al. **Nucleic Acids Res** 1981 Jul 24;9(14):3465–81
Protein synthesis and competitive ESR binding studies with E. coli ribosomes and spin–labeled polynucleotides. Ozinskas AJ, et al. **Nucleic Acids Res** 1981 Oct 24; 9(20):5483–92
A hydrogen exchange study of Escherichia coli 5S RNA. Ramstein J, et al. **Nucleic Acids Res** 1981 Aug 25; 9(16):4081–6
Structural analyses of E. coli 5S RNA fragments, their associates and complexes with proteins L18 and L25. Speek M, et al. **Nucleic Acids Res** 1982 Feb 11;10(3):947–63
Destabilization of secondary structure in 16S ribosomal RNA by dimethylation of two adjacent adenosines. Van Charldorp R, et al. **Nucleic Acids Res** 1981 Sep 11; 9(17):4[illegible]3–22
The use of 2–iminothiolane as an RNA–protein cross–linking agent in Escherichia coli ribosomes, and the localisation on 23S RNA of sites cross–linked to proteins L4, L6, L21, L23, L27 and L29. Wower I, et al. **Nucleic Acids Res** 1981 Sep 11;9(17):4285–302
Interaction of fMet–tRNAfMet, Met–tRNAfMet, and Met–tRNAmMet with bacterial elongation factor Tu:GTP complex: discrimination against fMet–tRNAfMet. Tanada S, et al. **Nucleic Acids Symp Ser** 1981;(10):165–8
Synthesis of unnatural P–N–bond catalyzed with E. coli ribosomes. Tarussova NB, et al. **Nucleic Acids Symp Ser** 1981;(9):207–9
Heterogeneity of newly inserted and preexisting murein in the sacculus of Escherichia coli. de Pedro MA, et al. **Proc Natl Acad Sci USA** 1981 Sep;78(9):5856–60
Osmotic regulation and the biosynthesis of membrane–derived oligosaccharides in Escherichia coli. Kennedy EP. **Proc Natl Acad Sci USA** 1982 Feb; 79(4):1092–5
Novel sensory adaptation mechanism in bacterial chemotaxis to oxygen and phosphotransferase substrates. Niwano M, et al. **Proc Natl Acad Sci USA** 1982 Jan;79(1):11–5
Reinitiation of translation from the triplet next to the amber termination codon in the absence of ribosome–releasing factor. Ryoji M, et al. **Proc Natl Acad Sci USA** 1981 Oct; 78(10):5973–7
Posttranslational processing of methyl–accepting chemotaxis proteins in Escherichia coli. Sherris D, et al. **Proc Natl Acad Sci USA** 1981 Oct;78(10):6051–5
pH homeostasis in Escherichia coli: measurement by 31P nuclear magnetic resonance of methylphosphonate and phosphate. Slonczewski JL, et al. **Proc Natl Acad Sci USA** 1981 Oct;78(10):6271–5
Cellular location affects protein stability in Escherichia coli. Talmadge K, et al. **Proc Natl Acad Sci USA** 1982 Mar; 79(6):1830–3
Multiple sites of methylation in the methyl accepting chemotaxis proteins of Escherichia coli. Chelsky D, et al. **Prog Clin Biol Res** 1981;63:371–81
The proteins of bacteriophage mu: composition of the virion and biosynthesis in vivo during lytic growth. DuBow MS, et al. **Prog Clin Biol Res** 1981;64:47–67
The role of rho in bacteriophage T4 development. I. Control of growth and polarity. Daegelen P, et al. **Virology** 1982 Feb;117(1):105–20
The role of rho in bacteriophage T4 development. II. mot–dependent (middle mode) RNA synthesis. Daegelen P, et al. **Virology** 1982 Feb;117(1):121–34
Host receptor site for the short tail fibers of bacteriophage T4D. Zorzopulos J, et al. **Virology** 1982 Jul 15;120(1):33–41
Bistability in the glucose and energy metabolism of ammonia–limited chemostat cultures of Escherichia coli ML 30. Müller PJ, et al. **Z Allg Mikrobiol** 1982;22(3):185–90
Regulation of bistability in glucose metabolism of Escherichia coli ML 30 chemostat cultures by cyclic AMP. Müller PJ, et al. **Z Allg Mikrobiol** 1982;22(3):211–4
Regulation of ammonia assimilation in ammonia–limited chemostat cultures of Escherichia coli ML 30: evidence of bistability. Müller PJ, et al. **Z Allg Mikrobiol** 1981; 21(5):361–72
Sensitivity of Escherichia coli to viral nucleic acid. XVI.

Temperature conditions for Ca2+-dependent dna uptake in Escherichia coli. Taketo A. **Z Naturforsch [C]** 1982 Jan-Feb;37(1-2):87-92

[Factors of virulence of enterotoxigenic Escherichia coli. Enterotoxins (author's transl)] Bielaszewská M. **Cesk Epidemiol Mikrobiol Imunol** 1982 May;31(3):178-90 (93 ref.) (Eng. Abstr.) **(Cze)**

[Thiamine transport in microorganisms (author's transl)] Iwashima A. **Seikagaku** 1981;53(6):444-8 (44 ref.) **(Jpn)**

[Regulation of energy exchange in synchronous cultures of E. coli in the chemostat] Iakshina TV, et al. **Biofizika** 1982 Mar-Apr;27(2):288-92 (Eng. Abstr.) **(Rus)**

[Effect of polymyxin B on ion permeability of bacterial membranes] Kapitanova NG, et al. **Biofizika** 1981 Nov-Dec;26(6):1100-2 (Eng. Abstr.) **(Rus)**

[Independent functioning of the H+-K+ ion exchange systems in E. coli] Martirosov SM, et al. **Biofizika** 1981 Sep-Oct;26(5):817-21 (Eng. Abstr.) **(Rus)**

[Systems of H+ K+ ion exchange in E. coli] Martirosov SM, et al. **Biofizika** 1982 Jan-Feb;27(1):48-51 (Eng. Abstr.) **(Rus)**

[Model of proton-potassium transport systems] Martirosov SM, et al. **Biofizika** 1982 Mar-Apr;27(2):249-52 (Eng. Abstr.) **(Rus)**

[Stabilization of delta mu H+ in Escherichia coli upon K+ and Na+ transmembrane gradient dissipation] Brown II, et al. **Biokhimiia** 1982 Jan;47(1):137-44 (Eng. Abstr.) **(Rus)**

[Functional and structural changes of E. coli membranes induced by low temperature freezing] Ignatov SG, et al. **Biokhimiia** 1981 Nov;46(11):1996-2003 (Eng. Abstr.) **(Rus)**

[Interaction of the membrane transport proteins in E. coli K12] Kalachev IIa, et al. **Biokhimiia** 1981 Apr;46(4):732-43 (Eng. Abstr.) **(Rus)**

[Properties and role of tryptophan residues in the polypeptide chain of elongation factor G from E. coli] Kashparov IA, et al. **Biokhimiia** 1981 Aug;46(8):1488-98 (Eng. Abstr.) **(Rus)**

[DNA methylation in the cells of Escherichia coli MRE 600 in the presence of S-methylmethionine] Lebenka AIu, et al. **Biokhimiia** 1981 Dec;46(12):2160-3 (Eng. Abstr.) **(Rus)**

[Interaction of alkaline phosphatase and acid phospholipids in E. coli cells and artificial membranes] Nesmeianova MA, et al. **Biokhimiia** 1982 Apr;47(4):671-7 (Eng. Abstr.) **(Rus)**

[Preparation of RNAase-free E. coli ribosomes active in initiation of protein biosynthesis] Tsielens IE, et al. **Biokhimiia** 1981 Sep;46(9):1640-5 (Eng. Abstr.) **(Rus)**

[Specific polysaccharides of Escherichia coli mutants defective for the utilization of various carbohydrates] Zdorovenko GM, et al. **Mikrobiol Zh** 1982 Jan-Feb; 44(1):7-12 (Eng. Abstr.) **(Rus)**

[Correlation between the biological activity of 30S subunits of Escherichia coli ribosomes and their conformational changes revealed by mixing optical spectroscopy] Dobychin PD, et al. **Mol Biol (Mosk)** 1982 May-Jun; 16(3):535-40 (Eng. Abstr.) **(Rus)**

[Affinity labeling of the ribosomes from Escherichia coli by 4-(N-2-chloroethyl-N-methyl-aminobenzyl-5'-phosphoa of heptauridylic acid] Gimautdinova OI, et al. **Mol Biol (Mosk)** 1981 Jul-Aug;15(4):797-804 (Eng. Abstr.) **(Rus)**

[Vitamin U and RNA metabolism in prokaryotes] Lebenka AIu, et al. **Ukr Biokhim Zh** 1981 Sep-Oct;53(5):64-8 (Eng. Abstr.) **(Rus)**

[Influence of S-methylmethionine on the metabolism of nucleic acids in Escherichia coli] Lebenka AIu, et al. **Vopr Med Khim** 1981 Mar-Apr;27(2):207-10 (Eng. Abstr.) **(Rus)**

PATHOGENICITY

Selection of mouse virulent non-motile strains of Escherichia coli by the soft agar technique. Takahashi M, et al. **Acta Microbiol Acad Sci Hung** 1981;28(4):413-7

Enterotoxigenic and enteropathogenic Escherichia coli isolated from hospital food. Panhotra BR, et al. **Indian J Med Res** 1981 Aug;74:183-6

Enterotoxicity of heat-labile (LT) enterotoxin of enteropathogenic E. coli (EPEC) strains on HeLa cell line monolayer tissue culture system. Tewari L, et al. **Indian J Pathol Microbiol** 1981 Apr;24(2):127-134b

Serum resistance among Escherichia coli strains causing urinary tract infection in relation to O type and the carriage of hemolysin, colicin, and antibiotic resistance determinants. Hughes C, et al. **Infect Immun** 1982 Jan; 35(1):270-5

Enhancement of invasiveness of Yersinia enterocolitica and Escherichia coli in HEp-2 cells by centrifugation. Vesikari T, et al. **Infect Immun** 1982 May;36(2):834-6

Hemolysin plasmid coding for the virulence of a nephropathogenic Escherichia coli strain. Waalwijk C, et al. **Infect Immun** 1982 Jan;35(1):32-7

Virulence of mecillinam-resistant spherical mutants of Klebsiella pneumoniae and Escherichia coli. Verweij-van Vught AM, et al. **J Antimicrob Chemother** 1982 May; 9(5):379-85

Detection of invasiveness of mammalian cells by Escherichia coli: collaborative study. Mehlman IJ, et al. **J Assoc Off Anal Chem** 1982 May;65(3):602-7

GM1 ganglioside enzyme-linked immunosorbent assay for detection of heat-labile enterotoxin produced by human and porcine Escherichia coli strains. Gustafsson B, et al. **J Clin Microbiol** 1982 Feb;15(2):298-301

Virulence of urinary and faecal Escherichia coli in relation to serotype, haemolysis and haemagglutination. van den Bosch JF, et al. **J Hyg (Lond)** 1982 Jun;88(3):567-77

Microbial adhesion and the urinary tract [letter] Källenius G, et al. **Lancet** 1981 Oct 17;2(8251):866

Diarrhea in piglets due to Escherichia coli that produce only porcine ileal loop-positive heat-stable enterotoxic component. Kashiwazaki M, et al. **Natl Inst Anim Health Q (Tokyo)** 1981 Fall;21(3):148-9

Haemolysin contributes to virulence of extra-intestinal E. coli infections. Welch RA, et al. **Nature** 1981 Dec 17; 294(5842):665-7

Enteropathogenic Escherichia coli in calves with diarrhea. Nakazawa M, et al. **Nippon Juigaku Zasshi** 1981 Feb; 43(1):89-91

[Controlled postpenicillin enterocolitis in guinea pigs caused by E. coli W1655 F+] Mitov I, et al. **Acta Microbiol Bulg** 1980;6:31-5 (Eng. Abstr.) **(Bul)**

[Factors of virulence of enterotoxigenic Escherichia coli. Colonization factors (author's transl)] Bielaszewská M. **Cesk Epidemiol Mikrobiol Imunol** 1981 Nov;30(6):366-75 (67 ref.) (Eng. Abstr.) **(Cze)**

[Factors of virulence of enterotoxigenic Escherichia coli. Enterotoxins (author's transl)] Bielaszewská M. **Cesk Epidemiol Mikrobiol Imunol** 1982 May;31(3):178-90 (93 ref.) (Eng. Abstr.) **(Cze)**

['In vitro' study of attachment to human enterocytes in 'Escherichia coli' strains isolated from infants with diarrheal disease (author's transl)] Lafeuille B, et al. **Ann Microbiol (Paris)** 1981 Jul-Aug;132B(1):57-67 (Eng. Abstr.) **(Fre)**

[Antagonism between virulent and avirulent Shigella or Escherichia coli (author's transl)] Sakaguchi T, et al. **Kansenshogaku Zasshi** 1981 Jun;55(6):400-9 (Eng. Abstr.) **(Jpn)**

[Biological characteristics of enteropathogenic and enterotoxigenic Escherichia] Kleganov VK. **Zh Mikrobiol Epidemiol Immunobiol** 1981 Jun;(6):61-4 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

In vitro attachment to a human cell line of Escherichia coli strains causing urinary-tract infection: occurrence of fimbriae (pili) in adhesive and non-adhesive strains. Chabanon G, et al. **Ann Microbiol (Paris)** 1982 May-Jun; 133(3):357-69

Special features of chemotaxis towards maltose. Hazelbauer GL, et al. **Ann Microbiol (Paris)** 1982 Jan;133A(1):191-4

Survival of Escherichia coli in lake bottom sediment. LaLiberte P, et al. **Appl Environ Microbiol** 1982 Mar; 43(3):623-8

A new test based on 'salting out' to measure relative surface hydrophobicity of bacterial cells. Lindahl M, et al. **Biochim Biophys Acta** 1981 Nov 5;677(3-4):471-6

Quasielastic light scattering from migrating chemotactic bands of Escherichia coli. II. Analysis of anisotropic bacterial motions. Wang PC, et al. **Biophys J** 1981 Oct; 36(1):203-19

Influence of temperature on platinum binding to DNA, cell killing, and mutation induction in Escherichia coli K-12 cells treated with cis-diamminedichloroplatinum(II). Brouwer J, et al. **Cancer Res** 1982 Jun;42(6):2416-9

Sensory transducers of E. coli are encoded by homologous genes. Boyd A, et al. **Cell** 1981 Nov;26(3 Pt 1):333-43

The SOS regulatory system of Escherichia coli. Little JW, et al. **Cell** 1982 May;29(1):11-22 (82 ref.)

Bacterial chemotaxis in the absence of receptor carboxylmethylation. Stock JB, et al. **Cell** 1981 Nov;27(1 Pt 2):37-44

A cyclic mechanism for excitation and adaptation. Stock JB, et al. **Curr Top Cell Regul** 1981;18:505-17

Fluorescence dye as monitor of internal pH in Escherichia coli cells. Shechter E, et al. **FEBS Lett** 1982 Mar 8; 139(1):121-4

1-anilinonaphthalene-8-sulphonate as a fluorescent probe for temperature-induced changes in Escherichia coli membranes. Slavík J, et al. **Folia Microbiol (Praha)** 1981; 26(3):176-8

Pilus production, hemagglutination, and adhesion by porcine strains of enterotoxigenic Escherichia coli lacking K88, K99, and 987P antigens. Awad-Masalmeh M, et al. **Infect Immun** 1982 Jan;35(1):305-13

Adhesion of piliated Escherichia coli strains to phagocytes: differences between bacteria with mannose-sensitive pili and those with mannose-resistant pili. Blumenstock E, et al. **Infect Immun** 1982 Jan;35(1):264-9

Modulation of bacterial association to HeLa cell cultures by cell density and by chlamydial infection. Bose SK, et al. **Infect Immun** 1981 Oct;34(1):154-9

Effect of Escherichia coli alpha-hemolysin on human peripheral leukocyte viability in vitro. Cavalieri SJ, et al. **Infect Immun** 1982 May;36(2):455-61

Modified method for studying bacterial adhesion to isolated uroepithelial cells and uromucoid. Chick S, et al. **Infect Immun** 1981 Oct;34(1):256-61

Evidence for a bladder cell glycolipid receptor for Escherichia coli and the effect of neuraminic acid and colominic acid on adherence. Davis CP, et al. **Infect Immun** 1981 Dec;34(3):944-8

Participation of pili and cell wall adhesion in the yeast agglutination activity of Escherichia coli. Eshdat Y, et al. **Infect Immun** 1981 Dec;34(3):980-6

Role for endotoxin in the leukocyte infiltration accompanying Escherichia coli inflammation. Issekutz AC, et al. **Infect Immun** 1982 May;36(2):558-66

Glycolipid receptors for uropathogenic Escherichia coli on human erythrocytes and uroepithelial cells. Leffler H, et al. **Infect Immun** 1981 Dec;34(3):920-9

Experimental Escherichia coli ascending pyelonephritis in rats: changes in bacterial properties and the immune response to surface antigens. Mattsby-Baltzer I, et al. **Infect Immun** 1982 Feb;35(2):639-46

Mannose-specific adherence of Escherichia coli freshly excreted in the urine of patients with urinary tract infections, and of isolates subcultured from the infected urine. Ofek I, et al. **Infect Immun** 1981 Dec;34(3):708-11

Bacterial adherence to urothelium following bladder irrigation in the rat. Iversen P, et al. **Infection** 1982; 10(2):116-9

Adhesion of uropathogenic Escherichia coli to epithelial cells from women with recurrent urinary tract infection. Schaeffer AJ, et al. **Infection** 1982;10(3):186-91

A new screening method for investigating microbial interactions. MacFarlane TW, et al. **J Appl Bacteriol** 1982 Apr;52(2):271-4

In vivo and in vitro functional alterations of the bacteriophage lambda receptor in lamB missense mutants of Escherichia coli K-12. Braun-Breton C, et al. **J Bacteriol** 1981 Dec;148(3):845-52

Roles of cell surface components of Escherichia coli K-12 in bacteriophage T4 infection: interaction of tail core with phospholipids. Furukawa H, et al. **J Bacteriol** 1982 May; 150(2):916-24

Effect of the lambda S gene product on properties of the Escherichia coli inner membrane. Wilson DB. **J Bacteriol** 1982 Sep;151(3):1403-10

Roles of lipopolysaccharide and outer membrane protein OmpC of Escherichia coli K-12 in the receptor function for bacteriophage T4. Yu F, et al. **J Bacteriol** 1982 Aug; 151(2):718-22

Effects of growth temperature on ribosomes and other physiological properties of Escherichia coli. Zaritsky A. **J Bacteriol** 1982 Jul;151(1):485-6

On a domain structure of colicin E1. A COOH-terminal peptide fragment active in membrane depolarization. Dankert JR, et al. **J Biol Chem** 1982 Apr 10;257(7):3857-63

The methyl-accepting chemotaxis proteins of Escherichia coli. Identification of the multiple methylation sites on methyl-accepting chemotaxis protein I. Kehry MR, et al. **J Biol Chem** 1982 Sep 10;257(17):10378-86

Ordered methylation of the methyl-accepting chemotaxis proteins of Escherichia coli. Springer MS, et al. **J Biol Chem** 1982 Jun 25;257(12):6861-6

Induction of the SOS system by DNA ligase-deficient growth of Escherichia coli. Condra JH, et al. **J Gen Microbiol** 1982 Mar;128(Pt 3):613-21

Physiological behaviour of Escherichia coli grown in opposing gradients of oxidant and reductant in the gradostat. Lovitt RW, et al. **J Gen Microbiol** 1981 Dec; 127 (Pt 2):269-76

Role of membrane potential and calcium in chemotactic sensing by bacteria. Snyder MA, et al. **J Mol Biol** 1981 Jun 25;149(2):241-57

Coliphage 186 infection requires host initiation functions dnaA and dnaC. Hooper I, et al. **J Virol** 1981 Nov; 40(2):599-601

The phosphoenolpyruvate-dependent carbohydrate: phosphotransferase system enzymes II as chemoreceptors in chemotaxis of Escherichia coli K 12. Lengeler J, et al. **MGG** 1981;183(1):163-70

Signal processing times in bacterial chemotaxis. Segall JE, et al. **Nature** 1982 Apr 29;296(5860):855-7

Role for membrane potential in the secretion of protein into the periplasm of Escherichia coli. Daniels CJ, et al. **Proc Natl Acad Sci USA** 1981 Sep;78(9):5396-400

Genetic control of heat-shock protein synthesis and its bearing on growth and thermal resistance in Escherichia coli K-12. Yamamori T, et al. **Proc Natl Acad Sci USA** 1982 Feb;79(3):860-4

Bacteriophage-host interactions in assembly. Georgopoulos C, et al. **Prog Clin Biol Res** 1981;64:21-34 (50 ref.)

UV-induced reactivation and mutagenesis of lambda-phages after treatment with 8-methoxypsoralen or thiopyronine and light. Yasui A, et al. **Radiat Environ Biophs** 1981; 19(4):239-45

Bacterial colonization of human urethral mucosa. II. Adherence tests using tissue organ cultures. Colleen S, et al. **Scand J Urol Nephrol** 1981;15(3):181-7

The use of double staining techniques for investigating bacterial attachment to mucopolysaccharide-coated epithelial cells. Reid G, et al. **Stain Technol** 1982 Jan; 57(1):5-9

Inheritance of Escherichia coli K88 adhesion in pigs: identification of nonadhesive phenotypes in a commercial herd. Snodgrass DR, et al. **Vet Rec** 1981 Nov 21; 109(21):461-3

[Survival of 'Pseudomonas aeruginosa' and 'Escherichia coli' in cold water (author's transl)] Laurence RA, et al. **Ann Microbiol (Paris)** 1981 Nov-Dec;132 B(3):455-63 (Eng. Abstr.) **(Fre)**

[Theoretical model of the predator-prey interaction kinetics

between 'Bdellovibrio bacteriovorus' and 'escherichia coli' (author's transl)] Marchand A, et al. **Ann Microbiol (Paris)** 1981 Nov-Dec;132 B(3):321-36 (Eng. Abstr.) **(Fre)**

[Studies on urinary secretory IgA (SIgA). 2. Studies on the effect of SIgA on adherence of E.coli to the vesical epithelial cell (author's transl)] Nishio A, et al. **Nippon Hinyokika Gakkai Zasshi** 1981 Jul;72(7):828-41 (Eng. Abstr.) **(Jpn)**

[Survival of bacteria phagocytized by Trichomonas vaginalis] Szreter H. **Wiad Parazytol** 1981;27(4-5):583-90 (Eng. Abstr.) **(Pol)**

[Molecular mechanisms of unbalanced cell death and metabolic mutagenesis] Fradkin GE, et al. **Dokl Akad Nauk SSSR** 1982;264(6):1504-7 **(Rus)**

[Survival rate dynamics of Escherichia coli strains in turfy podzolic soil] Alton LV. **Mikrobiol Zh** 1981 Nov-Dec; 43(6):739-45 (Eng. Abstr.) **(Rus)**

[Role of the electrokinetic potential of Escherichia coli cells during the process of their electroimmobilization] Gvozdiak PI, et al. **Mikrobiologiia** 1981 Nov-Dec; 50(6):1103-5 **(Rus)**

[Characteristics of microorganisms subjected to the action of a vacuum] Imshenetskii AA, et al. **Mikrobiologiia** 1982 Jan-Feb;51(1):107-10 (Eng. Abstr.) **(Rus)**

[Plasmid proteins inhibiting the activity of K and E1 colicins] Rekesh AN, et al. **Mol Biol (Mosk)** 1982 Jan-Feb; 16(1):177-82 (Eng. Abstr.) **(Rus)**

[Influence of various factors in polyacrylamide gel immobilization on the viability of Escherichia coli B cells] Starostina NG, et al. **Prikl Biokhim Mikrobiol** 1982 Mar-Apr;18(2):225-30 (Eng. Abstr.) **(Rus)**

RADIATION EFFECTS

Uridine 5'-phosphate photohydrate formation in irradiated Escherichia coli 30S ribosomes: photochemistry and relation to ribonucleic acid-protein cross-linking. Gorelic L, et al. **Biochemistry** 1982 May 11;21(10):2344-8

tRNA thiolated pyrimidines as targets for near-ultraviolet-induced synthesis of guanosine tetraphosphate in Escherichia coli. Thomas G, et al. **Eur J Biochem** 1981 Oct;119(2):381-7

UV-induced repair in Escherichia coli B/r Hcr-thy trp cells: its dependence on UV damage. Slezáriková V. **Folia Microbiol (Praha)** 1982;27(1):65-8

Effect of lexA and ssb genes, present on a uvrA recombinant plasmid, on the UV survival of Escherichia coli K-12. Brandsma JA, et al. **Gene** 1982 Apr;18(1):77-85

Mutational specificity of ultraviolet light in Escherichia coli with and without the R plasmid pKM101. Fowler RG, et al. **Genetics** 1981 Sep;99(1):25-40

Membrane fluidity and the radiosensitivity of E. coli K1060. Alper T, et al. **Int J Radiat Biol** 1981 Aug;40(2):211-5

Hydroxyl radical damage in low oxygen concentrations in irradiated bacteria. Ewing D. **Int J Radiat Biol** 1982 Feb; 41(2):203-8

Is the major part of the photoreactivable lethal damage induced in Escherichia coli by X-or gamma-rays due to Cerenkov ultraviolet radiation emitted by secondary electrons? Munson RJ. **Int J Radiat Biol** 1981 Oct; 40(4):435-40

On the mechanism of induction of photoreactivatable damage in E. coli by ionizing radiations [letter] Redpath JL, et al. **Int J Radiat Biol** 1982 Jul;42(1):81-9

The lethal interaction of X ray and penicillin induced lesions following X-irradiation of Escherichia coli B/R in the presence of hypoxic cell sensitizers. Gillies NE, et al. **Int J Radiat Oncol Biol Phys** 1982 Mar-Apr;8(3-4):453-6

Effects of the ssb-1 and ssb-113 mutations on survival and DNA repair in UV-irradiated delta uvrB strains of Escherichia coli K-12. Wang TC, et al. **J Bacteriol** 1982 Jul;151(1):186-92

Antimutagenic activities of human placental extract on ultraviolet light- and gamma-ray-induced mutation in Escherichia coli WP 2 B/r trp. Kada T, et al. **J Radiat Res (Tokyo)** 1981 Sep;22(3):297-302

Coliphage 186 Replication is delayed when the host cell is UV irradiated before infection. Hooper I, et al. **J Virol** 1981 Nov;40(2):341-9

A system for measuring the frequencies of tandem and non-tandem double base substitutions induced by ultraviolet irradiation. Dunst RW, et al. **MGG** 1981; 184(3):445-9

Weigle reactivation of the single-stranded DNA phage f1. Froehlich B. **MGG** 1981;184(3):416-20

Induced radioresistance: an aspect of induced repair. Pollard EC, et al. **MGG** 1981;184(3):421-9

Mutability of bacteriophage M13 by ultraviolet light: role of pyrimidine dimers. Schaaper RM, et al. **MGG** 1982; 185(3):404-7

Cloned truncated recA genes in E. coli. I. Effect on radiosensitivity and recA+ dependent processes. Sedgwick SG, et al. **MGG** 1982;185(1):93-8

Influence of superinfection on the photoreversible phase of UV induced lysogenic bacteria. Theile M, et al. **MGG** 1981; 181(2):273-8

UV-induced allevation of lambda restriction in Escherichia coli K-12: kinetics of induction and specificity of this SOS function. Thoms B, et al. **MGG** 1982;186(1):111-7

Effect of recB21, uvrD3, lexA101 and recF143 mutations on ultraviolet radiation sensitivity and genetic recombination in delta uvrB strains of Escherichia coli K-12. Wang TV, et al. **MGG** 1981;183(1):37-44

Mutation induction by monochromatic 254-nm and 365-nm radiation in strains of Escherichia coli that differ in repair capability. Webb RB, et al. **Mutat Res** 1981 Dec; 84(2):227-37

Radiation-induced base substitution mutagenesis in single-stranded DNA phage M13. Brandenburger A, et al. **Nature** 1981 Nov 12;294(5837):180-2

UV-induced mutation hotspots occur at DNA damage hotspots. Brash DE, et al. **Nature** 1982 Jul 8; 298(5870):189-92

Specificity of UV mutagenesis in the lac promoter of M13lac hybrid phage DNA. LeClerc JE, et al. **Nature** 1982 Jun 17;297(5867):596-8

Radiation induced DNA double strand breaks are rejoined by ligation and recombination processes. Weibezahn KF, et al. **Nucleic Acids Res** 1981 Jul 10;9(13):3139-50

Effect of liquid holding on the repair of photoinduced damages in acriflavine sensitized Escherichia coli cells. Basu S, et al. **Photochem Photobiol** 1982 Feb;35(2):279-82

Pyrimidine dimers induced in Escherichia coli DNA by ultraviolet radiation present in sunlight. Ellison MJ, et al. **Photochem Photobiol** 1981 Oct;34(4):465-9

Near-UV radiation effects on microorganisms. Jagger J. **Photochem Photobiol** 1981 Dec;34(6):761-8 (80 ref.)

The effect of membrane fatty acid composition on the near-UV (300-400 nm) sensitivity of Escherichia coli K1060. Klamen DL, et al. **Photochem Photobiol** 1982 Feb; 35(2):167-73

Lethality in repair-proficient Escherichia coli after 365 nm ultraviolet light irradiation is dependent on fluence rate. Peak JG, et al. **Photochem Photobiol** 1982 Jul;36(1):103-5

Roles of the relA(+) gene and of 4-thiouridine in near-ultraviolet (344 nm) radiation inhibition of induced synthesis of tryptophanase in Escherichia coli B/r. Sharma RC, et al. **Photochem Photobiol** 1981 Oct;34(4):529-33

Respiration responses of a polA1 and a tif-1 mutant of Escherichia coli to far-ultraviolet irradiation. Swenson PA. **Photochem Photobiol** 1981 Jun;33(6):855-9

The roles of the rel+ gene and of 4-thiouridine in killing and photoprotection of Escherichia coli by near-ultraviolet radiation. Tsai SC, et al. **Photochem Photobiol** 1981 Jun; 33(6):825-34

Lethal effects of natural solar ultraviolet radiation in repair proficient and repair deficient strains of Escherichia coli: actions and interactions. Tyrrell RM, et al. **Photochem Photobiol** 1981 Sep;34(3):331-7

Recovery from damage induced by acridine plus near-ultraviolet light in Escherichia coli. Wagner S, et al. **Photochem Photobiol** 1982 Jan;35(1):73-81

Nonreciprocal synergistic lethal interaction between 365-nm and 405-nm radiation in wild type and uvrA strains of Escherichia coli. Webb RB, et al. **Photochem Photobiol** 1982 May;35(5):697-703

Repair and mutagenesis of plasmid DNA modified by ultraviolet irradiation or N-acetoxy-N-2-acetylaminofluorene. Schmid SE, et al. **Proc Natl Acad Sci USA** 1982 Jul;79(13):4133-7

Mutational specificity of UV light in Escherichia coli: indications for a role of DNA secondary structure. Todd PA, et al. **Proc Natl Acad Sci USA** 1982 Jul;79(13):4123-7

Comparative induction studies. Pollard EC, et al. **Prog Nucleic Acid Res Mol Biol** 1981;26:315-22

Further studies on Cerenkov-induced photoreactivatable damage in E. coli. Morgan TL, et al. **Radiat Res** 1982 Feb; 89(2):217-26

Effect of aqueous free radicals and cis-dichlorodiammineplatinum(II) on radiation-induced base release from DNA. Richmond RC, et al. **Radiat Res** 1981 Dec;88(3):476-88

Cell surface charge and cell division in Escherichia coli after X irradiation. Sato C, et al. **Radiat Res** 1981 Sep; 87(3):646-56

[Biological action of nonionizing radiation and the problem of the effect of solar activity on organisms] Achkasova IuN, et al. **Probl Kosm Biol** 1982;43:109-16 **(Rus)**

[Cyclic nucleotides and radioresistance. 6. Modification of the effect of cyclic nucleotides on the radioresistance of E. coli with changes in the composition of the growth medium] Kulinskii VI, et al. **Radiobiologiia** 1982 Mar-Apr; 22(2):194-8 (Eng. Abstr.) **(Rus)**

[Repair of gamma-induced single- and double-stranded DNA breaks in escherichia coli cells] Petrov SI. **Radiobiologiia** 1981 Sep-Oct;21(5):671-5 (Eng. Abstr.) **(Rus)**

ULTRASTRUCTURE

Structural investigations of outer membrane proteins from Escherichia coli. Garavito RM, et al. **Ann Microbiol (Paris)** 1982 Jan;133A(1):37-41

Murein synthesis and beta-lactam antibiotic susceptibility during rod-to-sphere transition in a pbpA(Ts) mutant of Escherichia coli. Botta GA, et al. **Antimicrob Agents Chemother** 1981 May;19(5):891-900

Protein-deficient ribosomal particles obtained by reversible modification with dimethylmaleic anhydride. Pintor-Toro JA, et al. **Arch Biochem Biophys** 1981 Sep;210(2):786-9

Effects of temperature on the size and shape of Escherichia coli cells. Trueba FJ, et al. **Arch Microbiol** 1982 May; 131(3):235-40

Physical characteristics of the reconstitution intermediates (RI30 and RI30*) from the 30S ribosomal subunit of Escherichia coli. Tam MF, et al. **Biochemistry** 1981 Oct 27;20(22):6480-4

Biological macromolecules in solvents of variable density: characterization by sedimentation equilibrium, densimetry, and X-ray forward scattering and an application to the 50S ribosomal subunit from Escherichia coli. Tardieu A, et al. **Biochemistry** 1981 Jul 21;20(15):4399-406

Fluorescence studies on the location of L7/L12 relative to L10 in the 50S ribosome of Escherichia coli. Zantema A, et al. **Biochemistry** 1982 Jun 22;21(13):3077-82

Unfolded 30 S ribosomal subunits. Blair DP, et al. **Biophys Chem** 1981 Sep;14(1):81-9

F7 and type 1-like fimbriae from three Escherichia coli strains isolated from urinary tract infections: protein chemical and immunological aspects. Klemm P, et al. **Infect Immun** 1982 May;36(2):462-8

P-antigen-recognizing fimbriae from human uropathogenic Escherichia coli strains. Korhonen TK, et al. **Infect Immun** 1982 Jul;37(1):286-91

New fimbrial antigenic type (E8775) that may represent a colonization factor in enterotoxigenic Escherichia coli in humans. Thomas LV, et al. **Infect Immun** 1982 Mar; 35(3):1119-24

Pseudocatabolite repression of type 1 fimbriae of Escherichia coli. Eisenstein BI, et al. **J Bacteriol** 1982 Sep;151(3):1560-7

Dissociation and reassembly of Escherichia coli type 1 pili. Eshdat Y, et al. **J Bacteriol** 1981 Oct;148(1):308-14

Heat-induced blebbing and vesiculation of the outer membrane of Escherichia coli. Katsui N, et al. **J Bacteriol** 1982 Sep;151(3):1523-31

Difference of fine structure between closed and open forms of Escherichia coli 30S ribosomal small subunit by negative staining. Hosoi J. **J Electron Microsc (Tokyo)** 1981; 30(3):183-90

The L7/L12 stalk, a conserved feature of the prokaryotic ribosome, is attached to the large subunit through its N terminus. Marquis DM, et al. **J Mol Biol** 1981 Jul 25; 150(1):121-32

Bacteriophage P1 site-specific recombination. II. Recombination between loxP and the bacterial chromosome. Sternberg N, et al. **J Mol Biol** 1981 Aug 25;150(4):487-507

A DNA sequence containing the control regions of the malEFG and malK-lamB operons in Escherichia coli K12. Bedouelle H, et al. **MGG** 1982;185(1):82-7

Localization of the 3' end of 16S rRNA in Escherichia coli 30S ribosomal subunits by immuno electron microscopy. Lührmann R, et al. **MGG** 1981;182(3):369-76

Spherical E. coli due to elevated levels of D-alanine carboxypeptidase. Markiewicz Z, et al. **Nature** 1982 Jun 24;297(5868):702-4

Arrangement of the subunits in the ribosome of Escherichia coli: demonstration by immunoelectron microscopy. Kastner B, et al. **Proc Natl Acad Sci USA** 1981 Nov; 78(11):6552-6

Centrifugal field effects on the sedimentation coefficient of the Escherichia coli nucleoid after heat treatment. Pellón JR, et al. **Rev Esp Fisiol** 1981 Dec;37(4):463-8

Cytoplasmic inclusion bodies in Escherichia coli producing biosynthetic human insulin proteins. Williams DC, et al. **Science** 1982 Feb 5;215(4533):687-9

Studies on the association of E. coli phage lambda DNA and the host chromosome: lack of a role of membranes. Better M, et al. **Virology** 1982 May;119(1):159-68

ESCHERICHIA COLI INFECTIONS

Spontaneous bacterial peritonitis in pregnancy. Stauffer RA, et al. **Am J Obstet Gynecol** 1982 Sep 1;144(1):104-5

Spontaneous bacterial peritonitis with ecthyma gangrenosum due to Escherichia coli. Rajan RK. **J Clin Gastroenterol** 1982 Apr;4(2):145-8

[Spontaneous meningitis caused by Gram-negative bacilli] Fernández Guerrero ML, et al. **Rev Clin Esp** 1981 Nov 30;163(4):243-7 (Eng. Abstr.) **(Spa)**

[Meningitis caused by Escherichia coli in adults. Apropos of 2 cases] Gil Pujades A, et al. **Rev Clin Esp** 1981 Oct 31;163(2):117-9 **(Spa)**

BLOOD

Plasma zinc and iron concentrations as measurements for evaluating the influence of endotoxin-neutralizing agents in Escherichia coli endotoxin-induced mastitis. Verheijden JH, et al. **Am J Vet Res** 1982 Apr;43(4):724-8

Blood group M specific haemagglutinin in pyelonephritogenic Escherichia coli [letter] Väisänen V, et al. **Lancet** 1982 May 22;1(8282):1192

Vasopressin release during sepsis and septic shock in baboons and dogs. Wilson MF, et al. **Surg Gynecol Obstet** 1981 Dec; 153(6):869-72

COMPLICATIONS

Escherichia coli osteomyelitis after sepsis in regional enteritis: report of a case. Pattison CP, et al. **Am J Gastroenterol** 1982 Jan;77(1):45-7

Stress ulcers during live Escherichia coli sepsis. The role of acid and bile. Rees M, et al. **Ann Surg** 1982 May; 195(5):646-52

Skin lesions associated with E. Coli sepsis in a patient with acute leukemia. Chapman RA, et al. **Henry Ford Hosp Med J** 1980;28(1):47-8

Enhanced susceptibility of mice infected with murine cytomegalovirus to intranasal challenge with Escherichia coli: pathogenesis and altered inflammatory response. Bale JF Jr, et al. **J Infect Dis** 1982 Apr;145(4):525–31

Community-acquired bacteremic urosepsis in the elderly patients: a prospective study of 34 consecutive episodes. Gleckman R, et al. **J Urol** 1982 Jul;128(1):79–81

Sequential bacteremia and fungemia associated with carcinoma of the colon [letter] Panwalker AP. **JAMA** 1982 Aug 6;248(5):545–6

Papillary necrosis in vitro: a scanning electron microscopic comparison of escherichia coli and Proteus mirabilis infection. Cohen MS, et al. **Scan Electron Microse** 1981; (Pt 3):65–72

Gram-negative sepsis in a patient with jaundice. **South Med J** 1981 Nov;74(11):1390–5

Perinephric abscess with renal cell carcinoma. Chintapalli K, et al. **Urol Radiol** 1981;3(2):113–5

Infected liver cyst in a patient with polycystic kidney disease. Gesundheit N, et al. **West J Med** 1982 Mar;136(3):246–9

[Spontaneous rupture of the stomach in a newborn infant with E. coli sepsis (author's transl)] Speer C, et al. **Monatsschr Kinderheilkd** 1981 Dec;129(12):708–9 (Eng. Abstr.) **(Ger)**

[Perforation of a paranephritic abscess into the free abdominal cavity] Fabricius PG, et al. **Zentralbl Chir** 1982; 107(4):230–5 **(Ger)**

[Bacteroides melaninogenicus (synonym: Ristella melaninogenica) as a cause of complications in circumscribed peritonitis] Bugalski R, et al. **Pol Tyg Lek** 1981 Oct–Dec;36(42–52):1631–2 (Eng. Abstr.) **(Pol)**

[The one-hour d-xylose test in the postenteritic period. Its diagnostic and therapeutic significance (author's transl)] Jurčić Z, et al. **Lijec Vjesn** 1981;103(3):79–82 (Eng. Abstr.) **(Scr)**

DIAGNOSIS

Echographic features of posterior left ventricular wall pseudoaneurysm due to Escherichia coli endocarditis. Kessler KM, et al. **Am Heart J** 1982 Jan;103(1):139–42

Empyema of the gallbladder—potential consequence of medical intensive care. Smith JP, et al. **Crit Care Med** 1982 Jul;10(7):451–2

Fulminant onset of spontaneous bacterial peritonitis. Brolin RE. **Dig Dis Sci** 1982 Apr;27(4):364–6

Effect of duration of exposure on diarrhea due to enterotoxigenic Escherichia coli in travelers from the United States to Mexico. Brown MR, et al. **J Infect Dis** 1982 Apr;145(4):582

Severe Escherichia coli septicemia mimicking necrotizing enterocolitis. Raju TN, et al. **J Natl Med Assoc** 1981 Sep; 73(9):869–72

Antibody coating of bacteria persisting in a ureteral stump 10 years after nephrectomy. Messing E, et al. **J Urol** 1981 Sep;126(3):406–8

The diagnostic value of the immunologic response in bacterial and nonbacterial prostatitis. Wishnow KI, et al. **J Urol** 1982 Apr;127(4):689–94

A simple assay to detect Escherichia coli producing heat labile enterotoxin: results of a field study of the Biken tests in Bangladesh. Honda T, et al. **Lancet** 1981 Sep 19; 2(8247):609–10

Diagnostic strategy in evaluation of renal abscess. Godec CJ, et al. **Urology** 1981 Dec;18(6):535–41

[Enterotoxigenic Escherichia coli and temperate areas childhood diarrheas (author's transl)] Albouy C, et al. **Ann Pediatr (Paris)** 1981 Oct;28(8):610–2 (Eng. Abstr.) **(Fre)**

[Extramucosal parietal lesions of the sigmoid of different aetiologies in children: report on two cases (author's transl)] Bretagne MC, et al. **J Radiol** 1981 Dec;62(12):629–33 (Eng. Abstr.) **(Fre)**

[Fungal infections in urologic diseases with special reference to mixed bacterial infection] Meissner B, et al. **Z Urol Nephrol** 1982 Apr;75(4):223–7 (Eng. Abstr.) **(Ger)**

[Value of serological studies in the diagnosis of bacterial renal infections in children] Synowiec K, et al. **Pediatr Pol** 1981 Jul;56(7):815–24 (Eng. Abstr.) **(Pol)**

[Method of determining microorganism-induced leukocyte lysozyme activity] Ukhal' MI, et al. **Lab Delo** 1981; (11):676–8 (Eng. Abstr.) **(Rus)**

[Ventriculitis and meningoencephalitis caused by Escherichia coli of the serological group O4] Tsingerling VA, et al. **Pediatriia** 1981 Nov;(11):67–8 **(Rus)**

[Use of the antibody neutralization reaction (after cultivation) for the diagnosis of intestinal coli infection] Levi MI, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1982 Mar;(3):48–52 (Eng. Abstr.) **(Rus)**

DRUG THERAPY

Chlorpromazine and propranolol extend survival of infant mice inoculated with enterotoxigenic Escherichia coli. Bertin A. **Ann Rech Vet** 1981;12(2):137–41

Trimethoprim-sulfamethoxazole therapy of experimental Escherichia coli meningitis in rabbits. Mylotte JM, et al. **Antimicrob Agents Chemother** 1981 Jul;20(1):81–7

Pharmacokinetics and bacteriological efficacy of N-formimidoyl thienamycin in experimental Escherichia coli meningitis. Patamasucon P, et al. **Antimicrob Agents Chemother** 1982 Mar;21(3):390–2

Moxalactam in treatment of recurrent Escherichia coli meningitis and ventriculitis in an infant with agammaglobulinemia. Kumar A, et al. **Drug Intell Clin Pharm** 1981 Jan;15(1):50–1

UTI: special problems in the elderly. Yoshikawa TT, et al. **Geriatrics** 1982 Mar;37(3):109–13, 118

Mecillinam alone and in combination with ampicillin or moxalactam in experimental Escherichia coli meningitis. Schaad UB, et al. **Infection** 1982;10(2):90–6

Resistance to cefamandole: a collaborative study of emerging clinical problems. Sanders CC, et al. **J Infect Dis** 1982 Jan; 145(1):118–25

Comparison of cinoxacin and co-trimoxazole in the treatment of urinary tract infections. de Jersey P, et al. **Med J Aust** 1982 Mar 20;1(6):267–8

Treatment of experimentally induced enterotoxigenic Escherichia coli diarrhea with trimethoprim, trimethoprim-sulfamethoxazole, or placebo. Black RE, et al. **Rev Infect Dis** 1982 Mar–Apr;4(2):540–5

Naloxone reverses tissue effects of live Escherichia coli sepsis. Rees M, et al. **Surgery** 1982 Jan;91(1):81–6

Comparison of cinoxacin and nalidixic acid in patients with cystitis. Paulson DF. **Urology** 1982 Aug;20(2):138–40

Evaluation of therapeutic efficacy of ureidopenicillins in comparison to sisomicin and cephalotin in experimental infections of rabbits. Dzierzanowska D, et al. **Zentral Bakteriol Mikrobiol Hyg [A]** 1981 Sep; 250(3):312–21

[Therapeutic effectiveness of metossimine associated with an aminoglycoside in a case of severe gram-negative sepsis] Venuti M, et al. **Clin Ter** 1981 Apr 15;97(1):27–33 (Eng. Abstr.) **(Ita)**

[Study of cefamandole in neonatal purulent meningitis caused by E. coli (author's transl)] Yamamoto T, et al. **Jpn J Antibiot** 1981 Oct;34(10):1410–5 (Eng. Abstr.) **(Jpn)**

[Study on dosage schedule of antimicrobial agents (II). Therapeutic effects on experimental infection in mice (author's transl)] Ban Y. **Nippon Hinyokika Gakkai Zasshi** 1981 Jun;72(6):669–79 (Eng. Abstr.) **(Jpn)**

ENZYMOLOGY

Alterations in lipogenic enzymes and lipoprotein lipase activity during gram-negative sepsis in the rat. Lanza-Jacoby S, et al. **Arch Surg** 1982 Feb;117(2):144–7

[Content of the basic proteolytic enzyme inhibitors in the blood serum in acute intestinal infections in children] Bogadel'nikov IV, et al. **Pediatriia** 1981 Jul;(7):30–3 (Eng. Abstr.) **(Rus)**

ETIOLOGY

Case report. Fatal gas gangrene following intra-articular steroid injection. Yangco BG, et al. **Am J Med Sci** 1982 Mar–Apr;283(2):94–8

Antibiotic prophylaxis in acute leukemia [letter] de Jongh CA, et al. **Ann Intern Med** 1981 Dec;95(6):783–4

Bacterial adherence and urinary tract infection [letter] **Lancet** 1982 Apr 24;1(8278):961–2

[Clinical significance of asymptomatic bacteriuria in women with diabetes mellitus] Hebanowski M, et al. **Pol Tyg Lek** 1981 Sep 14;36(37):1413–6 (Eng. Abstr.) **(Pol)**

IMMUNOLOGY

Immune protection against enterotoxinogenic E. coli: search for synergy between antibodies to enterotoxin and somatic antigens. Svennerholm AM, et al. **Acta Pathol Microbiol Immunol Scand [C]** 1982 Feb; 90(1):1–6

Experimental Escherichia coli 06 infection in mice. III. Effects of malnutrition, immunization and nutritional restoration. Ahlstedt S. **Acta Pathol Microbiol Scand [C]** 1981 Feb;89(1):15–22

Experimental Escherichia coli 06 infection in mice. IV. On the relative importance of complement factors and antibodies for the host defence. Ahlstedt S. **Acta Pathol Microbiol Scand [C]** 1981 Feb;89(1):23–8

Bovine milk antibodies in the treatment of enteric infections and their ability to eliminate virulence factors from pathogenic E. coli. Pahud JJ, et al. **Adv Exp Med Biol** 1981;137:591–600

Escherichia coli pneumonia in the elderly with reference to the role of E. coli K1 capsular polysaccharide antigen. Berk SL, et al. **Am J Med** 1982 Jun;72(6):899–902

Protection in rats immunized with Escherichia coli heat-stable enterotoxin. Klipstein FA, et al. **Infect Immun** 1981 Nov;34(2):637–9

Experimental Escherichia coli ascending pyelonephritis in rats: active peroral immunization with live Escherichia coli. Mattsby-Baltzer I, et al. **Infect Immun** 1982 Feb; 35(2):647–53

Importance of polymorphonuclear leucocytes in protection of mice against Escherichia coli. Tsuru S, et al. **J Gen Microbiol** 1981 Feb;122(Pt 2):335–8

Escherichia coli antibodies in opsonisation and protection against infection. van Dijk WC, et al. **J Med Microbiol** 1981 Nov;14(4):381–9

Mannose-resistant haemagglutination and P antigen recognition are characteristic of Escherichia coli causing primary pyelonephritis. Väisänen V, et al. **Lancet** 1981 Dec 19–26;2(8260–61):1366–9

Antitoxic immunity in cholera and enterotoxigenic Escherichia coli (ETEC) diarrhea. DuPont HL, et al. **Pharmacol Ther** 1981;13(2):249–55 (54 ref.)

[The importance of breast feeding in immunity against infections in the newborn infant. Antibody activity and immunocompetent cells in the mother's milk] Lodinová R, et al. **Cesk Pediatr** 1981 Nov;36(11):639–42 (Eng. Abstr.) **(Cze)**

[Lymphocyte blast-transformation in children with intestinal infections] Feklisova LV, et al. **Sov Med** 1981;(9):99–101 **(Rus)**

METABOLISM

Effects of adrenergic blockade on glucose kinetics in septic and burned guinea pigs. Durkot MJ, et al. **Am J Physiol** 1981 Sep;241(3):R222–7

In vivo skeletal muscle insulin resistance during E coli endotoxin shock in the dog. Raymond RM, et al. **Circ Shock** 1981;8(4):425–33

Disturbed intrarenal distribution of gentamicin in experimental pyelonephritis due to Escherichia coli. Bergeron MG, et al. **J Infect Dis** 1982 Sep;146(3):436–9

Effects of pure or combined inocula of Escherichia coli and Bacteroides fragilis on the liver and related metabolism. Rink RD, et al. **Lab Invest** 1982 Mar;46(3):282–7

Bacterial infection and acid mucopolysaccharides in epithelium of rat urinary bladder. Kuwahara M, et al. **Urol Res** 1982;10(2):93–6

MICROBIOLOGY

Suckling mouse model of urinary tract infections caused by Escherichia coli. Kétyi I. **Acta Microbiol Acad Sci Hung** 1981;28(4):393–9

Spread of R-plasmids among Escherichia coli causing urinary tract infections. Hughes C, et al. **Antimicrob Agents Chemother** 1981 Oct;20(4):496–502

Pneumonia with bacteraemia due to Escherichia coli. Packham DR, et al. **Aust NZ J Med** 1981 Dec;11(6):669–72

Enterocyte adherence of Escherichia coli: its relation to diarrheal disease. Boedeker EC. **Gastroenterology** 1982 Aug;83(2):489–92

A clinicopathologic study of enterocyte-adherent Escherichia coli: a cause of protracted diarrhea in infants. Rothbaum R, et al. **Gastroenterology** 1982 Aug;83(2):441–54

Natural history of aortic valve endocarditis in rats. Héraïef E, et al. **Infect Immun** 1982 Jul;37(1):127–31

Construction and expression of recombinant plasmids encoding type 1 or D-mannose-resistant pili from a urinary tract infection Escherichia coli isolate. Hull RA, et al. **Infect Immun** 1981 Sep;33(3):933–8

Experimental Escherichia coli ascending pyelonephritis in rats: changes in bacterial properties and the immune response to surface antigens. Mattsby-Baltzer I, et al. **Infect Immun** 1982 Feb;35(2):639–46

Adhesion of uropathogenic Escherichia coli to epithelial cells from women with recurrent urinary tract infection. Schaeffer AJ, et al. **Infection** 1982;10(3):186–91

Antigenic heterogeneity of haemagglutination type VI fimbriae produced by Escherichia coli isolated from patients with bacteremia. Clegg S, et al. **J Clin Microbiol** 1982 Jul;16(1):174–80

Aberrant forms of Escherichia coli in blood cultures: in vitro reproduction of an in vivo observation. Magnussen CR, et al. **J Clin Microbiol** 1980 Nov;12(5):690–4

Serotypes of Escherichia coli isolated from patients with recurrent pyogenic cholangitis. Wong WT, et al. **J Hyg (Lond)** 1982 Jun;88(3):513–7

Qualitative changes of drug resistant bacteria and their conjugative R plasmids isolated in hospitals in Tokyo area. Arai T, et al. **Keio J Med** 1980 Dec;29(4):185–96

Human breast milk and escherichia coli urinary tract infection. Cheong IT. **Milit Med** 1982 Mar;147(3):202–4

Haemolysin contributes to virulence of extra-intestinal E. coli infections. Welch RA, et al. **Nature** 1981 Dec 17; 294(5842):665–7

Enteropathogenic, enterotoxigenic and enteroinvasive Escherichia coli isolated from acute gastroenteritis patients in Lagos, Nigeria. Agbonlahor DE, et al. **Trans R Soc Trop Med Hyg** 1982;76(2):265–7

Escherichia coli O:K:H: serotypes in urinary tract infection. Adetosoye AI. **Zentral Bakteriol Mikrobiol Hyg [A]** 1981 Nov;250(4):463–9

Chlorhexidine resistance in Escherichia coli isolated from clinical lesions. Nakahara H, et al. **Zentral Bakteriol Mikrobiol Hyg [A]** 1981 Dec; 251(2):177–84

O and H serotypes of Escherichia coli isolated from urinary tract infections. Peddie BA, et al. **Zentral Bakteriol Mikrobiol Hyg [A]** 1981;250(1–2):47–51

Escherichia coli isolated from urinary tract infections in Hong Kong, 1969 to 1976. Wong WT, et al. **Zentral Bakteriol Mikrobiol Hyg [A]** 1981 Dec; 251(2):279–83

[Controlled postpenicillin enterocolitis in guinea pigs caused by E. coli W1655 F+] Mitov I, et al. **Acta Microbiol Bulg** 1980;6:31–5 (Eng. Abstr.) **(Bul)**

['In vitro' study of attachment to human enterocytes in 'Escherichia coli' strains isolated from infants with diarrheal disease (author's transl)] Lafeuille B, et al.

Ann Microbiol (Paris) 1981 Jul-Aug;132B(1):57-67 (Eng. Abstr.) **(Fre)**

[Properties of 5 H2-S-positive strains of 'Escherichia coli' (author's transl)] Quarto M, et al. **Ann Sclavo** 1981 Jan-Feb; 23(1):106-15 (Eng. Abstr.) **(Ita)**

[Escherichia coli alpha-hemolysin antibodies in urinary tract infection] Galiński J, et al. **Pol Tyg Lek** 1981 Jul 13; 36(28):1051-3 (Eng. Abstr.) **(Pol)**

[Infections caused by anaerobic bacteria in surgical practice] Chabielski S, et al. **Wiad Lek** 1981 Aug 1;34(15):1279-83 (34 ref.) **(Pol)**

[Antibiotic resistance of uropathogenic strains of E. coli isolated from patients in the USSR and the People's Republic of Bulgaria] Bondarenko VM, et al. **Antibiotiki** 1981 Aug;26(8):608-12 (Eng. Abstr.) **(Rus)**

[Immunobiologic study of the role of heterogenetic antigens of uropathogenic strains of E. coli] Podoplelov II, et al. **Biull Eksp Biol Med** 1981 Jun;91(6):708-9 (Eng. Abstr.) **(Rus)**

[Use of stationary-growth broth cultures for obtaining Escherichia enterotoxins. II. Study of Escherichia preparations isolated from diarrhea patients] Romanenkova NI, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1982 Mar; (3):63-6 (Eng. Abstr.) **(Rus)**

[Latent bacterial carrier state and resistance to colonization after antibiotic therapy] Shustrova NM, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1982 Jun;(6):50-3 (Eng. Abstr.) **(Rus)**

MORTALITY

The effect of live E. coli and endotoxin on mortality following massive bowel resection. West K, et al. **J Pediatr Surg** 1981 Dec;16(6):846-9

OCCURRENCE

Postoperative infections in the small hospital. A prospective one-year study. Järhult J, et al. **Acta Chir Scand** 1981; 147(5):325-9

Marital bacterial urinary infection in men. Simpson B. **J R Army Med Corps** 1981 Oct;127(3):139-40

Septicaemia in a general hospital. Oldfield GS, et al. **Med J Aust** 1982 Feb 20;1(4):169-72

A foodborne outbreak of enterotoxigenic Escherichia coli diarrhea. Taylor WR, et al. **N Engl J Med** 1982 May 6; 306(18):1093-5

An outbreak of gastroenteritis due to enteropathogenic Escherichia coli, which are also enterotoxigenic. Bettelheim KA, et al. **NZ Med J** 1982 Apr 14;95(705):215-6

Epidemiological tracing of Escherichia coli by O antigen typing in a geriatric ward. Larsson P, et al. **Scand J Infect Dis** 1981;13(3):185-90

PATHOLOGY

Anatomical and immunological responses of rabbit gallbladders to bacterial infections. Gilman RH, et al. **Infect Immun** 1982 Apr;36(1):407-16

Chronic diarrhea in infants caused by adherent enteropathogenic Escherichia coli. Clausen CR, et al. **J Pediatr** 1982 Mar;100(3):358-61

Diarrhea caused by adherent enteropathogenic E. coli [letter] Rothbaum RJ, et al. **J Pediatr** 1982 Sep;101(3):486

Reflux nephropathy: effects of antimicrobial therapy on the evolution of the early pyelonephritic scar. Ransley PG, et al. **Kidney Int** 1981 Dec;20(6):733-42

Hepatic cellular injury following lethal Escherichia coli bacteremia in rats. Sato T, et al. **Lab Invest** 1982 Sep; 47(3):304-10

Clinical pyelonephritis and focal renal scarring. A selected review of pathogenesis, prevention, and prognosis. Winberg J, et al. **Pediatr Clin North Am** 1982 Aug; 29(4):801-14 (51 ref.)

[Histological changes in the murine kidney in experimental hematogenic pyelonephritis from E. coli strains isolated from different sources] Bakürdzhiev T, et al. **Eksp Med Morfol** 1981;20(4):237-42 (Eng. Abstr.) **(Bul)**

[Role of conditionally pathogenic microbes in the development of experimental destructive pneumonia] Zolotovskil BB, et al. **Biull Eksp Biol Med** 1981 Jun; 91(6):663-6 (Eng. Abstr.) **(Rus)**

[Comparative study of the ultrastructure of small intestine enterocytes and microvessels in germ-free and ordinary guinea pigs infected with E. coli-005] Kranchev AK. **Patol Fiziol Eksp Ter** 1981 May-Jun;(3):35-42 (Eng. Abstr.) **(Rus)**

PHYSIOPATHOLOGY

Hemodynamic effects of systemic or portal IV infusion of live E coli bacteria in the cat. A preliminary report. Haglund U, et al. **Adv Shock Res** 1980;4:33-40

Hyperdynamic severe intravascular sepsis depends on fluid administration in cynomolgus monkey. Carroll GC, et al. **Am J Physiol** 1982 Jul;243(1):R131-41

Membrane defect and energy status of rabbit skeletal muscle cells in sepsis and septic shock. Illner HP, et al. **Arch Surg** 1981 Oct;116(10):1302-5

Augmented venous return: a model of left ventricular afterload reduction during the course of endotoxin shock. Hess ML, et al. **Circ Shock** 1981;8(4):435-50

A comparison of the cardiovascular, renal, and coronary effects of dopamine and monensin in endotoxic shock. Somani P, et al. **Circ Shock** 1981;8(4):451-64

The effect of nonsteroidal anti-inflammatory agents on E. coli-induced inflammation. Issekutz AC, et al. **Immunopharmacology** 1982 Feb;4(1):11-22

Role for endotoxin in the leukocyte infiltration accompanying Escherichia coli inflammation. Issekutz AC, et al. **Infect Immun** 1982 May;36(2):558-66

Regulation of granulopoiesis and distribution of granulocytes in early phase of bacterial infection. Hartmann DW, et al. **J Cell Physiol** 1981 Oct;109(1):17-24

Hemodynamic responses to sepsis: hypodynamic versus hyperdynamic states. Gahhos FN, et al. **J Surg Res** 1981 Dec;31(6):475-81

Extravascular lung water as a function of the magnitude of pulmonary artery pressure in the septic pig. Lava JS, et al. **J Surg Res** 1982 May;32(5):440-8

The role of prostaglandins in sepsis. Fletcher JR. **Scand J Infect Dis [Suppl]** 1982;31:55-60

Skeletal muscle insulin resistance during Escherichia coli bacteremic shock in the dog. Raymond RM, et al. **Surgery** 1981 Nov;90(5):853-9

[Heart involvement in combined acute dysentery and coli infection] Bogomolov BP, et al. **Klin Med (Mosk)** 1982 Feb;60(2):95-7 **(Rus)**

PREVENTION & CONTROL

Lactobacillus prophylaxis for diarrhea due to enterotoxigenic Escherichia coli. Clements ML, et al. **Antimicrob Agents Chemother** 1981 Jul;20(1):104-8

Heparin - an examination of its antibacterial adsorption properties. Hanno PM, et al. **Eur Urol** 1981;7(6):359-62

The prophylaxis and therapy of secretory diarrhea. Black RE. **Med Clin North Am** 1982 May;66(3):611-21 (40 ref.)

Inhibition of experimental ascending urinary tract infection by an epithelial cell-surface receptor analogue. Edén CS, et al. **Nature** 1982 Aug 5;298(5874):560-2

A new principle for prevention of diarrhoea caused by enterotoxigenic Escherichia coli (ETEC) possessing colonization factor antigen (CFA/I). Wadström T, et al. **Scand J Infect Dis** 1981;13(2):129-32

[Metronidazole in prevention and treatment of wound infection] Sazhin VP, et al. **Vestn Khir** 1981 Dec; 127(12):14-5 (Eng. Abstr.) **(Rus)**

RADIOGRAPHY

Computed tomographic findings of neonatal lung abscess. Mayer T, et al. **Am J Dis Child** 1982 Jan;136(1):39-41

RADIONUCLIDE IMAGING

[Gallium scanning in the diagnosis and treatment of renal abscess (author's transl)] Libert M, et al. **Rev Med Brux** 1982 Jan;3(1):13-7 (Eng. Abstr.) **(Fre)**

SURGERY

[Treatment of lactation mastitis with dioxidine] Taranenko LD, et al. **Vestn Khir** 1981 Sep;127(9):20-3 **(Rus)**

THERAPY

Effect of immune serum or polymyxin B on Escherichia coli-induced inflammation and vascular injury. Issekutz AC, et al. **Infect Immun** 1982 May;36(2):548-57

Successful treatment of experimental Escherichia coli infections in mice using phage: its general superiority over antibiotics. Smith HW, et al. **J Gen Microbiol** 1982 Feb; 128(Pt 2):307-18

Successful percutaneous management of renal abscess. Finn DJ, et al. **J Urol** 1982 Mar;127(3):425-6

Rice-powder electrolyte solution as oral-therapy in diarrhoea due to Vibrio cholerae and Escherichia coli. Molla AM, et al. **Lancet** 1982 Jun 12;1(8285):1317-9

TRANSMISSION

Contamination of weaning foods and transmission of enterotoxigenic Escherichia coli diarrhoea in children in rural Bangladesh. Black RE, et al. **Trans R Soc Trop Med Hyg** 1982;76(2):259-64

VETERINARY

Serological, enterotoxin-producing and biochemical properties of Escherichia coli isolated from piglets with neonatal diarrhea in Norway. Lund A, et al. **Acta Vet Scand** 1982;23(1):79-87

Antigen-extinction profile in pregnant cows, using a K99-containing whole-cell bacterin to induce passive protection against enterotoxigenic colibacillosis of calves. Acres SD, et al. **Am J Vet Res** 1982 Apr;43(4):569-75

Interaction of blood-borne Escherichia coli with phagocytes of spleen and liver in turkeys. Arp LH, et al. **Am J Vet Res** 1981 Apr;42(4):650-7

Effect of passive immunization on phagocytosis of blood-borne Escherichia coli in spleen and liver of turkeys. Arp LH. **Am J Vet Res** 1982 Jun;43(6):1034-40

Scanning and transmission electron microscopic study of the small intestine of colostrum-fed calves infected with selected strains of Escherichia coli. Hadad JJ, et al. **Am J Vet Res** 1982 Jan;43(1):41-9

Somatic and capsular factors of coliforms which affect resistance to bovine serum bactericidal activity. Ward GE, et al. **Am J Vet Res** 1981 Nov;42(11):1937-40

Escherichia coli epididymitis and seminal vesiculitis in a ram [letter] Burgess GW, et al. **Aust Vet J** 1981 Oct; 57(10):479-80

Colisepticaemia of lambs. Mason RW, et al. **Aust Vet J** 1981 Oct;57(10):458-60

Enteritis in foals induced by rotavirus and enterotoxigenic Escherichia coli. Tzipori S, et al. **Aust Vet J** 1982 Jan; 58(1):2-3

Some measurements of protection against paratyphoid Salmonella and Escherichia coli by competitive exclusion chickens. Soerjadi AS, et al. **Avian Dis** 1981 Jul-Sep; 25(3):706-12

Protection against colibacillosis in neonatal piglets by immunization of dams with procholeragenoid. Fürer E, et al. **Infect Immun** 1982 Mar;35(3):887-94

Escherichia coli-associated porcine neonatal diarrhea: antibacterial activities of colostrum from genetically susceptible and resistant sows. Sellwood R. **Infect Immun** 1982 Feb;35(2):396-401

Diarrhea in lambs: experimental infections with enterotoxigenic Escherichia coli, rotavirus, and Cryptosporidium sp. Tzipori S, et al. **Infect Immun** 1981 Aug;33(2):401-6

Antimicrobial resistance in Escherichia coli strains isolated from pigs with diarrhea. Libal MC, et al. **J Am Vet Med Assoc** 1982 Apr 15;180(8):908-9

Evidence of penetration of the bovine teat duct by Escherichia coli in the interval between milkings. Bramley AJ, et al. **J Dairy Res** 1981 Oct;48(3):379-86

The relationship between the dwarfing gene and E. coli infection in two populations of chickens. Mauldin JM, et al. **J Hered** 1981 Mar-Apr;72(2):125-6

Influence of Escherichia coli, Klebsiella pneumoniae and Proteus vulgaris on the mortality pattern of mice after lethal irradiation with gamma rays. Matsumoto T. **Lab Anim** 1982 Jan;16(1):36-9

Diarrhea in piglets due to Escherichia coli that produce only porcine ileal loop-positive heat-stable enterotoxic component. Kashiwazaki M, et al. **Natl Inst Anim Health Q (Tokyo)** 1981 Fall;21(3):148-9

Enteropathogenic Escherichia coli in calves with diarrhea. Nakazawa M, et al. **Nippon Juigaku Zasshi** 1981 Feb; 43(1):89-91

Factors influencing the outcome of Escherichia coli mastitis in the dairy cow. Hill AW. **Res Vet Sci** 1981 Jul; 31(1):107-12

Chemotherapeutic activity of the combination of sulfachloropyridazine and trimethoprim against experimental colibacillosis of chickens and piglets and demonstration of the trimethoprim-induced potentiation of sulfachloropyridazine in vitro and in vivo. Rosselet A, et al. **Schweiz Arch Tierheilkd** 1981 Aug;123(8):401-17

Interaction of rotavirus and enterotoxigenic Escherichia coli in conventionally-reared dairy calves. Snodgrass DR, et al. **Vet Microbiol** 1982 Mar;7(1):51-60

Swine cerebrospinal angiopathy and demyelination and malacia. Nakamura K, et al. **Vet Pathol** 1982 Mar; 19(2):140-9

Ultrastructural changes in the small intestine of neonatal calves with enteric colibacillosis. Pearson GR, et al. **Vet Pathol** 1982 Mar;19(2):190-201

Inheritance of Escherichia coli K88 adhesion in pigs: identification of nonadhesive phenotypes in a commercial herd. Snodgrass DR, et al. **Vet Rec** 1981 Nov 21; 109(21):461-3

Urogenital tract infection in the bitch. Järvinen AK. **Vet Res Commun** 1981 Apr;4(4):253-69

Studies on E. coli-enteropathy in weanling rabbits. Prohászka L, et al. **Zentralbl Veterinarmed [B]** 1981;28(2):102-10

Serological and some pathological characteristics of Escherichia coli strains isolated from rabbits. Varga J, et al. **Zentralbl Veterinarmed [B]** 1982 Mar;29(2):145-52

[Production and use of hyperimmune heterologous horse serum against colibacteriosis in swine] Dobrev V, et al. **Vet Med Nauki** 1982;19(1):41-6 (Eng. Abstr.) **(Bul)**

[Pathomorphological changes in colibacteriosis in pigs] Veselinova A, et al. **Vet Med Nauki** 1981;18(5):39-47 (Eng. Abstr.) **(Bul)**

[Diarrhea in young calves. 4. Redox potential of the gastrointestinal tract of clinically healthy calves, and calves with spontaneous diarrhea, experimental Escherichia coli infection, and cyclophosphamide treatment] Schulze F, et al. **Arch Exp Veterinarmed** 1981;35(3):337-48 (Eng. Abstr.) **(Ger)**

ESCHERICHIA COLI PHAGES see **COLIPHAGES**

ESCIN see under **SAPONINS**

ESCULIN see under **BIOFLAVONOIDS**

ESERINE see **PHYSOSTIGMINE**

ESKIMOS

Results of a surgical, otologic program in a remote Eskimo population. Beal DD, et al. **Alaska Med** 1981 Jan-Feb; 23(1):10-2

Native medicine in southeast Alaska. Tsimshian, Tlingit, Haida. McGregor M. **Alaska Med** 1981 Nov-Dec; 23(6):65-9

Familial early profound deafness in an Athabascan kindred.

Slaby D. **Alaska Med** 1982 Mar–Apr;24(2):18–9
Origins and divergence of Aleuts, Eskimos and American Indians [letter] Morlan RE. **Ann Hum Biol** 1981 Nov–Dec; 8(6):579–81
Fluoride content of surface enamel of Eskimo (Inuit) teeth. Curzon ME, et al. **Can Dent Assoc J** 1981 Jul;47(7):446–8
Hyperbilirubinemia in Inuit neonates. Postl BD, et al. **Can Med Assoc J** 1982 Apr 1;126(7):811–3
137Cs concentrations in northern Alaskan Eskimos, 1962–79: effects of ecological, cultural and political factors. Hanson WC. **Health Phys** 1982 Apr;42(4):433–47
C3 polymorphism in Greenland Eskimos. Stoffersen E, et al. **Hum Hered** 1982;32(1):49–51
Inuit natality rhythms in the central Canadian Arctic. Condon RG. **J Biosoc Sci** 1982 Apr;14(2):167–77
A pilot newborn screening for congenital adrenal hyperplasia in Alaska. Pang S, et al. **J Clin Endocrinol Metab** 1982 Sep;55(3):413–20
Observations on the evolution of chronic otitis media in the Inuit of the Baffin Zone, N.W.T. Baxter JD. **J Otolaryngol** 1982 Jun;11(3):161–6
Platelet – vessel wall interaction: influence of diet. Dyerberg J. **Philos Trans R Soc Lond [Biol]** 1981 Aug 18; 294(1072):373–81
The relative importance of essential fatty acids of the linoleic and linolenic families: studies with an Eskimo diet. Sinclair HM. **Prog Lipid Res** 1981;20:897–9
Repeated infections with Neisseria gonorrhoeae in a population of Alaska natives. Blackwood LG. **Sex Transm Dis** 1982 Apr–Jun;9(2):89–92
Differences in single dose phenytoin kinetics between Greenland Eskimos and Danes. Kromann N, et al. **Ther Drug Monit** 1981;3(3):239–45
[Primary angle-closure glaucoma in Greenlanders. A population study with a 10-year period of observation] Alsbirk PH. **Ugeskr Laeger** 1982 Feb 22;144(8):536–40 (Eng. Abstr.) **(Dan)**
[Amputation of the nose resulting from human bites] Erichsen B. **Ugeskr Laeger** 1982 Mar 15;144(11):794–6 (Eng. Abstr.) **(Dan)**
[Malignant eye tumors in Greenland 1945–1979] Nielsen NH, et al. **Ugeskr Laeger** 1982 Feb 22;144(8):541–2 (Eng. Abstr.) **(Dan)**
[School of myopia in East Greenland] Norn M. **Ugeskr Laeger** 1982 Feb 22;144(8):544–5 (Eng. Abstr.) **(Dan)**
[Goniodysgenesis in an Eskimo family in East Greenland] Norn M. **Ugeskr Laeger** 1982 Feb 22;144(8):542–3 (Eng. Abstr.) **(Dan)**
[Rheumatoid arthritis and spondyloarthritis ankylopoietica with aortic insufficiency in Greenlandic Eskimos] Velander B, et al. **Ugeskr Laeger** 1982 Apr 5;144(14):1016–8 (Eng. Abstr.) **(Dan)**

ESOPHAGEAL ATRESIA

COMPLICATIONS

Distal esophageal atresia with meconium peritonitis. Chattergee SK. **J Pediatr Surg** 1981 Aug;16(4):517–8
The Fogarty balloon catheter as an aid to management of the infant with esophageal atresia and tracheoesophageal fistula complicated by severe RDS or pneumonia. Filston HC, et al. **J Pediatr Surg** 1982 Apr;17(2):149–51
[Association of posterior laryngeal cleft and atresia of the oesophagus. Two cases treated successfully (author's transl)] Andrieu-Guitrancourt J, et al. **Chir Pediatr** 1982 Mar–Apr;23(2):75–80 (Eng. Abstr.) **(Fre)**

DIAGNOSIS

Prenatal detection of esophageal atresia. Zemlyn S. **JCU** 1981 Oct;9(8):453–4

DRUG THERAPY

Long-term administration of prostaglandin E1: report of two cases with tetralogy of Fallot and esophageal atresia. Abe K, et al. **Crit Care Med** 1982 Mar;10(3):155–8

ENZYMOLOGY

Congenital esophageal atresia: lipase activity is present in the esophageal pouch and stomach. Salzman-Mann C, et al. **Dig Dis Sci** 1982 Feb;27(2):124–8

FAMILIAL & GENETIC

Recurrence of the VATER association within a sibship. Auchterlonie IA, et al. **Clin Genet** 1982 Feb;21(2):122–4

OCCURRENCE

Siblings of children with tracheoesophageal dysrhaphism [letter] Baird PA, et al. **Can Med Assoc J** 1981 Nov 15; 125(10):1083–4
A standardized ratio for measuring the 'suddenness' of events with applications to the four leading causes of violent death and to certain birth defects. Grimson RC. **Soc Biol** 1980 Winter;27(4):286–93
An epidemiologic study of tracheoesophageal fistula and esophageal atresia in North Carolina. Ozimek CD, et al. **Teratology** 1982 Feb;25(1):53–9

PHYSIOPATHOLOGY

Esophageal function in esophageal atresia. Werlin SL, et al. **Dig Dis Sci** 1981 Sep;26(9):796–800

RADIOGRAPHY

The association of esophageal duplication cyst with esophageal atresia. Kirks DR, et al. **Pediatr Radiol** 1981; 11(4):214–6
[Urgent x-ray examination of new-born babies. I. Oesophagus-stomach (author's transl)] Ponhold W, et al. **Padiatr Padol** 1981;16(4):475–80 (Eng. Abstr.) **(Ger)**

SURGERY

Esophageal replacement in infants and children by colon interposition. Campbell JR, et al. **Am J Surg** 1982 Jul; 144(1):29–34
Anastomotic leakage in oesophageal atresia. Diagnostic and therapeutic considerations. Viljanto J, et al. **Ann Chir Gynaecol** 1982;71(3):151–5
Recent experience with esophageal atresia. O'Neill JA Jr, et al. **Ann Surg** 1982 Jun;195(6):739–45
Colon interposition: a modification of the Waterston technique using the normal esophageal route. Freeman NV, et al. **J Pediatr Surg** 1982 Feb;17(1):17–21
A method of delayed esophageal anastomosis for high-risk congenital esophageal atresia with additional intraabdominal anomalies; transgastric balloon 'fistulectomy'. Kadowaki H, et al. **J Pediatr Surg** 1982 Jun; 17(3):230–3
Infants with esophageal atresia weighing under 3 pounds. Rickham PP. **J Pediatr Surg** 1981 Aug;16(4 Suppl 1):595–8
The suture fistula technique in the repair of selected cases of esophageal atresia. Schullinger JN, et al. **J Pediatr Surg** 1982 Jun;17(3):234–6
Long-term results following repair of esophageal atresia by end-to-side anastomosis and ligation of the tracheoesophageal fistula. Touloukian RJ. **J Pediatr Surg** 1981 Dec;16(6):983–8
Esophageal replacement with jejunum in children: an 18 to 33 year follow-up. Ring WS, et al. **J Thorac Cardiovasc Surg** 1982 Jun;83(6):918–27
Initial care of esophageal atresia to facilitate potential primary anastomosis. Filston HC, et al. **South Med J** 1981 Dec; 74(12):1530–3
Developments in the care of patients with esophageal atresia and tracheoesophageal fistula. Holder TM, et al. **Surg Clin North Am** 1981 Oct;61(5):1051–61 (22 ref.)
Oesophageal atresia and pyloric stenosis – an association. Czernik J, et al. **Z Kinderchir** 1982 Jan;35(1):18–20
Oesophageal atresia: methods of reconstruction in cases of a 'long gap'. Festen C. **Z Kinderchir** 1981 Apr;32(4):295–300
Double atresia of the oesophagus. Hofmann-von Kap-herr S, et al. **Z Kinderchir** 1981 Feb;32(2):171–4
[Esophageal atresia and tracheo-esophageal fistula treatment (author's transl)] Lerut T, et al. **Acta Chir Belg** 1982 Jul-Aug;(4):321–32 (Eng. Abstr.) **(Dut)**
[The treatment of type III esophagal atresia. Retrospective study of an unitary statistical group (author's transl)] Carcassonne M, et al. **Chirurgie** 1981 Feb;107(2):152–7 (Eng. Abstr.) **(Fre)**
[Wide gap esophageal atresia without esophagotracheal fistula (author's transl)] Gherardini R, et al. **Padiatr Padol** 1982;17(2):309–17 (Eng. Abstr.) **(Ger)**
[Oesophageal atresia type Vogt IIIB with fistula of the distal segment to the cervical trachea, combined with right descending aorta and further malformations (author's transl)] Kraeft H, et al. **Z Kinderchir** 1981 Apr;32(4):371–5 (Eng. Abstr.) **(Ger)**
[Indications for early retrosternal esophagoplasty with the large intestine in neonates with esophageal atresia] Babliak DE, et al. **Grudn Khir** 1981;(6):63–8 (Eng. Abstr.) **(Rus)**
[Esophagoplasty of the large intestine in esophageal atresia in children] Bairov GA, et al. **Vestn Khir** 1982 Feb; 128(2):92–5 **(Rus)**

THERAPY

Another complication of continuous upper pouch suction in esophageal atresia. Bar-Maor JA, et al. **J Pediatr Surg** 1981 Oct;16(5):730
Endoscopic esophageal anastomosis. Booss D, et al. **J Pediatr Surg** 1982 Apr;17(2):138–43
[Cuffed endotracheal cannula. Use in four cases of acute neo-natal respiratory insufficiency (author's transl)] Granry JC, et al. **Anesth Analg (Paris)** 1981;38(9–10):563–4 (Eng. Abstr.) **(Fre)**

ESOPHAGEAL CYST

COMPLICATIONS

Esophageal retention cyst: unusual cause for dysphagia. Edgin R, et al. **J Clin Gastroenterol** 1981;3 Suppl 1:57–9

CONGENITAL

[Esophageal intramural bronchogenic cysts (author's transl)] Jamart J, et al. **Acta Chir Belg** 1982 Jul-Aug;(4):411–5 (Eng. Abstr.) **(Fre)**

DIAGNOSIS

Multiple retention cysts of the lower esophagus. Hover AR, et al. **J Clin Gastroenterol** 1982 Jun;4(3):209–12

RADIOGRAPHY

The association of esophageal duplication cyst with esophageal atresia. Kirks DR, et al. **Pediatr Radiol** 1981; 11(4):214–6

SURGERY

[Esophageal cysts (apropos of 2 surgical cases)] Dumeige F, et al. **Med Chir Dig** 1982;11(1):57–8 **(Fre)**

ESOPHAGEAL DISEASES

see related
ESOPHAGEAL ATRESIA

Barrett's esophagus. Bozymski EM, et al. **Ann Intern Med** 1982 Jul;97(1):103–7 (36 ref.)
Barrett's esophagus: an old entity rediscovered. Mangla JC. **J Clin Gastroenterol** 1981 Dec;3(4):347–56
Foregut motor disorders and their surgical management. Waters PF, et al. **Med Clin North Am** 1981 Nov; 65(6):1235–68 (45 ref.)
Esophageal motility disorders in clinical practice. Achkar E. **Primary Care** 1981 Jun;8(2):181–94 (27 ref.)

CHEMICALLY INDUCED

Tetracycline ulcers of the oesophagus, Endoscopy, histology and roentgenology in two cases, and review of the literature. Winckler K. **Endoscopy** 1981 Nov;13(6):225–8
Induced esophageal ulceration [letter] Cunningham JT. **Gastrointest Endosc** 1982 Feb;28(1):49–50
Doxycycline-induced esophageal ulcer: value of Lugol's solution vital staining [letter] Papazian A, et al. **Gastrointest Endosc** 1981 Aug;27(3):201
Megaoesophagus due to acrylamide neuropathy. Satchell PM, et al. **J Neurol Neurosurg Psychiatry** 1981 Oct; 44(10):906–13
[Esophageal ulcer caused by empronium bromide] Mørck HI, et al. **Ugeskr Laeger** 1981 Mar 2;143(10):623 (Eng. Abstr.) **(Dan)**
[Esophageal lesions caused by doxycycline] Zijnen-Suyker MP, et al. **Ned Tijdschr Geneeskd** 1981 Aug 25; 125(35):1407–10 (Eng. Abstr.) **(Dut)**
[Doxycycline induced ulcerations of the oesophagus (author's transl)] Barbier P, et al. **Acta Gastroenterol Belg** 1981 Sep–Oct;44(9–10):424–9 (Eng. Abstr.) **(Fre)**
[Esophageal ulcer following treatment with doxycycline (letter)] Cleau D. **Gastroenterol Clin Biol** 1982 May; 6(5):510–1 **(Fre)**
[Pathogenesis of ulcers induced by taking doxycycline (letter)] Delpre G, et al. **Gastroenterol Clin Biol** 1981; 5(8–9):813–4 **(Fre)**
[Esophageal ulcers following oral intake of pinaverium bromide (letter)] Lamouliatte H, et al. **Gastroenterol Clin Biol** 1981;5(8–9):812–22 **(Fre)**
[Clinico-therapeutic aspects of poisoning by caustics] Milletti M. **G Clin Med** 1982 Mar;63(3):147–53 **(Ita)**
[Esophageal ulcers induced by doxycycline. Evaluation of 4 cases] Ramirez Ramos A, et al. **Acta Gastroenterol Latinoam** 1981;11(2):309–13 (Eng. Abstr.) **(Spa)**
[Burns of the upper digestive tract caused by ingestion of caustic substances] Ramirez Degollado J, et al. **Rev Gastroenterol Mex** 1982 Jan–Mar;47(1):13–8 (Eng. Abstr.) **(Spa)**
[Esophageal ulcerations in children induced by cetiprin] Engstrand I, et al. **Lakartidningen** 1981 Aug 26;78(35):2962 **(Swe)**

COMPLICATIONS

Aphthous ulcers in the esophagus with Crohn colitis. Gohel V, et al. **AJR** 1981 Oct;137(4):872–3
Barrett's esophagus and multiple malignancies [letter] Chedid A, et al. **Arch Pathol Lab Med** 1982 Jan;106(1):46–7
Localized saccular dilatation of the esophagus: an unusual cause of dysphagia. Han SY, et al. **Gastrointest Radiol** 1981; 6(4):307–8
Adenocarcinoma in Barrett's oesophagus. Two case reports and discussion. Hall C, et al. **Scand J Thorac Cardiovasc Surg** 1982;16(1):107–9

DIAGNOSIS

Post-emetic laceration and rupture of the gastroesophageal junction. Michel L. **Acta Chir Belg** 1982 Jan–Feb; 82(1):13–24
Symptoms of esophageal dysfunction. Cattau EL Jr, et al. **Adv Intern Med** 1982;27:151–81 (100 ref.)
Scleredema adultorum of Buschke with upper esophageal involvement. Wright RA, et al. **Am J Gastroenterol** 1982 Jan;77(1):9–11
Evaluation and management of diseases of the esophagus. Meyer GW, et al. **Am J Otolaryngol** 1981 Nov;2(4):336–44 (46 ref.)
Pemphigus vulgaris of the esophagus. Wood DR, et al. **Ann Intern Med** 1982 Feb;96(2):189–91
Extended and limited types of Barrett's esophagus in the adult. Ransom JM, et al. **Ann Thorac Surg** 1982 Jan; 33(1):19–27
Esophageal manometry: a benefit and cost analysis. Meshkinpour H, et al. **Dig Dis Sci** 1982 Sep;27(9):772–5

Esophageal hematoma. Four new cases, a review, and proposed etiology. Shay SS, et al. **Dig Dis Sci** 1981 Nov; 26(11):1019–24 (19 ref.)
The use of a Doppler ultrasound probe for localising arterial blood flow during upper gastrointestinal endoscopy. Beckly DE, et al. **Endoscopy** 1982 Jul;14(4):146–7
Esophageal moniliома and mucosal bridge [letter] Rattan J, et al. **Gastrointest Endosc** 1982 May;28(2):114–5
Recent advances in Dx and Rx of esophageal disease. Reynolds JC, et al. **Geriatrics** 1982 Jun;37(6):91–3, 97, 101–4
Diagnosis of oesophageal spasm by ergometrine provocation. Davies HA, et al. **Gut** 1982 Feb;23(2):89–97
Disorders of esophageal motility. Wright RA. **J Ky Med Assoc** 1982 Mar;80(3):150–6
Feedback system for control of abdominal compression in oesophageal investigations. Ask P, et al. **Med Biol Eng Comput** 1981 Jul;19(4):501–3
Intramural haematoma of the oesophagus. The role of endoscopy. Tim LO, et al. **S Afr Med J** 1982 May 22; 61(21):798–800
[Digestive endoscopy in oesophageal lesions (author's transl)] Deltenre M, et al. **Acta Chir Belg** 1982 Jul–Aug;(4):305–20 **(Fre)**
[Diagnostic and economical evaluation of upper digestive endoscopy as the initial investigation of lesions of the upper gastrointestinal tract. A prospective study in 184 unselected not bleeding patients (author's transl)] Deschamps JP, et al. **Gastroenterol Clin Biol** 1982 Mar;6(3):229–34 (Eng. Abstr.) **(Fre)**
[The problem of cancerizable lesions of the esophagus] Mastroviti GD, et al. **Ann Ital Chir** 1981;53(1):71–93 (102 ref.) **(Ita)**
[Radiological and endoscopic comparison in pathology of the upper digestive tract] Benelli R, et al. **Minerva Dietol Gastroenterol** 1982 Apr–Jun;28(2):111–7 (Eng. Abstr.) **(Ita)**
[Esophageal candidiasis] Minoli G, et al. **Recenti Prog Med** 1982 Jan;72(1):98–106 (Eng. Abstr.) **(Ita)**
[Mediastinoscopy in the esophageal diseases especially in carcinoma of the esophagus (author's transl)] Takahashi Y. **Nippon Kyobu Geka Gakkai Zasshi** 1982 Mar; 30(3):342–56 (Eng. Abstr.) **(Jpn)**
[X-ray and endoscopic findings of esophageal and terminal ileal ulcers with Behçet disease: report of a case (author's transl)] Yamasuji T, et al. **Rinsho Hoshasen** 1981 Apr; 26(4):517–20 (Eng. Abstr.) **(Jpn)**
[Ulcers of esophagus and esophageal anastomoses] Kharitonov LG. **Khirurgiia (Mosk)** 1981 Sep;(9):8–13 (Eng. Abstr.) **(Rus)**
[Case of esophageal tuberculosis] Gemke GR, et al. **Klin Med (Mosk)** 1981 Feb;59(2):107–9 **(Rus)**
[Intramural esophageal abscesses] Abakumov MM, et al. **Vestn Khir** 1981 Oct;127(10):22–4 (Eng. Abstr.) **(Rus)**
[Chromoesophagogastroduodenoscopy] Volkov BP, et al. **Vestn Khir** 1981 Aug;127(8):27–32 **(Rus)**
[Limits and potentials of fiber esophagoscopy in detecting background diseases and early forms of esophageal cancer] Inshakov LN, et al. **Vopr Onkol** 1981;27(10):86–7 **(Rus)**

DRUG THERAPY

Nitrites in the treatment of diffuse esophageal spasm. Parker WA, et al. **Drug Intell Clin Pharm** 1981 Oct;15(10):806–7
Effect of isosorbide and hydralazine in painful primary esophageal motility disorders. Mellow MH. **Gastroenterology** 1982 Aug;83(2):364–70
Effect of long-term treatment with cimetidine and antacids in Barrett's oesophagus. Wesdorp IC, et al. **Gut** 1981 Sep; 22(9):724–7
Nifedipine for relief of esophageal chest pain [letter] Cargill G, et al. **N Engl J Med** 1982 Jul 15;307(3):187–8
Corticosteroid induced remission of oesophageal involvement in mixed connective tissue disease. Pines A, et al. **Postgrad Med J** 1982 May;58(679):297–8
Esophageal food impaction. Treatment by glucagon (author's transl)] Debongnie JC, et al. **Acta Gastroenterol Belg** 1981 Jul–Aug;44(7–8):314–9 (Eng. Abstr.) **(Fre)**
[Reflexion on cimetidine use to treat oesogastro-duodenal diseases (author's transl)] Paris J. **Therapie** 1981 Sep–Oct; 36(5):581–92 (Eng. Abstr.) **(Fre)**

ETIOLOGY

Report of a patient presenting with esophageal obstruction. Lo CD, et al. **Am J Clin Pathol** 1982 Aug;78(2):253–6
Barogenic rupture of the esophagus (Boerhaave's syndrome): successful treatment of a late case. Phillips LG Jr, et al. **Am Surg** 1982 Aug;48(8):430–4
Progression of cimetidine-treated reflux esophagitis to a Barrett's stricture. Saltzman M, et al. **Dig Dis Sci** 1982 Feb; 27(2):181–6
Esophageal ulceration and bleeding after flexible fiberoptic esophageal vein sclerosis. Ayres SJ, et al. **Gastroenterology** 1982 Jul;83(1 Pt 1):131–6
Giant esophageal ulcer associated with cytomegalovirus. St. Onge G, et al. **Gastroenterology** 1982 Jul;83(1 Pt 1):127–30
Irradiation-induced motor disorder of the oesophagus. Thorpe JA, et al. **Gut** 1982 Aug;23(8):710–1
Esophagus rupture (Boerhaeve syndrome). Gunawan OH, et al. **J Belge Radiol** 1981;64(2):193–5
Barrett's esophagus in a patient with surgically tested achalasia. Kortan P, et al. **J Clin Gastroenterol** 1981 Dec; 3(4):357–60
Esophageal manifestations of multisystem diseases. Mapp E. **J Natl Med Assoc** 1980 Dec;72(12):1159–64
Vascular ring: left cervical aortic arch, right descending aorta, and right ligamentum arteriosum. Whitman G, et al. **J Thorac Cardiovasc Surg** 1982 Feb;83(2):311–5
Bee sting of the esophagus [letter] Farivar M. **N Engl J Med** 1981 Oct 22;305(17):1020
Esophageal ulceration in a patient with Behcet's syndrome. Kikuchi K, et al. **Tokai J Exp Clin Med** 1982 Jan; 7(1):135–43
[Megaesophagus by achalasia in children (seven cases) (author's transl)] Vaysse P, et al. **Chir Pediatr** 1982 Mar–Apr;23(2):81–6 (Eng. Abstr.) **(Fre)**
[Digestive bleeding as a complication of peptic oesophagitis; analysis of 39 cases (author's transl)] Bodin F, et al. **Gastroenterol Clin Biol** 1981 Oct;5(10):874–8 (Eng. Abstr.) **(Fre)**
[Oesogastrointestinal involvement in Behcet's disease. A report of one case (author's transl)] Schmutz G, et al. **J Radiol** 1981 Oct;62(10):515–20 (Eng. Abstr.) **(Fre)**
[Spontaneous perforation of the esophagus (Boerhaave syndrome) in diffuse idiopathic muscular hypertrophy] Hess B, et al. **Schweiz Med Wochenschr** 1982 Feb 20; 112(8):272–6 (Eng. Abstr.) **(Ger)**
[Simultaneous aortography and esophagogram in the diagnosis of vascular rings] Casanova M, et al. **Rev Esp Cardiol** 1981;34(6):531–5 (Eng. Abstr.) **(Spa)**
[Esophageal candidiasis. Experience in 25 cases] Maggiolo P, et al. **Rev Med Chil** 1981 Dec;109(12):1163–7 (Eng. Abstr.) **(Spa)**

IMMUNOLOGY

Tissue demonstration of carcinoembryonic antigen (CEA) in columnar esophageal epithelium. Geboes K, et al. **Hepatogastroenterology** 1981 Dec;28(6):324–6
[Candida cell agglutination test in patients with mycosis of esophagus and stomach (author's transl)] Knoke M, et al. **Mykosen** 1981 Dec;24(12):746–51 (Eng. Abstr.) **(Ger)**

OCCURRENCE

Incidence, pattern, and African variations of common benign disorders of the esophagus. Experience from Nigeria. Ofoegbu RO. **Am J Surg** 1982 Aug;144(2):273–6
Manometric oesophageal function, acid perfusion test and symptomatology in a 55-year-old general population. Kjellén G, et al. **Clin Physiol** 1981 Aug;1(4):405–15
Gastro-oesophageal candidiasis. Scott BB, et al. **Gut** 1982 Feb;23(2):137–9
[Esophageal and stomach pathology of residents in areas characterized by a high incidence of esophageal cancer morbidity] Aleksandrova NM, et al. **Vopr Onkol** 1982; 28(4):11–4 (Eng. Abstr.) **(Rus)**

PATHOLOGY

Lichen planus of the esophagus. Lefer LG. **Am J Dermatopathol** 1982 Jun;4(3):267–9
Total columnar-lined esophagus: a case for congenital origin? Haque AK, et al. **Arch Pathol Lab Med** 1981 Oct; 105(10):546–8
Histological abnormalities in patients with multiple esophageal webs. Janisch HD, et al. **Dig Dis Sci** 1982 Jun; 27(6):503–6
Mucosal biopsy of the esophagus, stomach, and proximal duodenum. Goldman H, et al. **Hum Pathol** 1982 May; 13(5):423–48
Case records of the Massachusetts General Hospital. Weekly clinicopathological exercises. Case 32–1982. A 65-year-old man with dysphagia and dilatation of the esophagus. **N Engl J Med** 1982 Aug 12;307(7):426–33
[Tuberculous aorto-esophageal fistula--a rare cause of hemorrhage in the esophagus] Claussnitzer R, et al. **Zentralbl Chir** 1982;107(8):473–6 **(Ger)**
[Spontaneous esophageal ruptures (Boerhaave's and Mallory-Weiss syndromes)] Kalashnikova NN, et al. **Sud Med Ekspert** 1981 Jul–Aug;24(3):52–3 **(Rus)**
[Barrett's esophagus and primary adenocarcinoma of the esophagus] Seco JL, et al. **Rev Esp Enferm Apar Dig** 1981 May;59(5):617–26 **(Spa)**

PHYSIOPATHOLOGY

Effects of sleep on spontaneous activity in symptomatic diffuse esophageal spasm. Danielides I, et al. **Am J Gastroenterol** 1982 Aug;77(8):535–8
Hypertensive peristalsis in the pathogenesis of chest pain: further exploration of the 'nutcracker' esophagus. Orr WC, et al. **Am J Gastroenterol** 1982 Sep;77(9):604–7
Transition from diffuse esophageal spasm to achalasia. Millan MS, et al. **J Clin Gastroenterol** 1979 Jun;1(2):107–17
[Behavior of the lower esophageal sphincter during deglutition in Chagasic esophagopathy] Dantas RO, et al. **AMB** 1981 Dec;27(12):340–2 (Eng. Abstr.) **(Por)**

RADIOGRAPHY

Radiological assessment of pharyngoesophageal dysfunction with emphasis on cricopharyngeal myotomy. Redmond P, et al. **Am J Gastroenterol** 1982 Feb;77(2):85–92
Esophageal involvement in benign mucous membrane pemphigoid. Karasick S, et al. **J Can Assoc Radiol** 1981 Dec;32(4):247–8
Esophageal roentgenographic 'abnormalities' in patients without esophageal symptoms. Kaufmann HJ. **J Clin Gastroenterol** 1979 Dec;1(4):313–6
A case of spontaneous rupture of the cervical oesophagus: a reminder. Brayley NF, et al. **J R Nav Med Serv** 1982 Spring;68(1):30–1
Obstructing esophageal hematoma mimicking cancer: a case report and experimental study. Etani S, et al. **Jpn J Surg** 1982;12(1):35–40
Glycogen plaques (glycogenic acanthosis) of the esophagus. Berliner L, et al. **Radiology** 1981 Dec;141(3):607–10
Appropriate contrast media for evaluation of esophageal disruption. Dodds WJ, et al. **Radiology** 1982 Jul; 144(2):439–41
Intramural rupture of the oesophagus. Girdwood AH, et al. **S Afr Med J** 1981 Oct 31;60(18):695–8
[Spontaneous hematoma of the oesophagus. One case (author's transl)] Koff K, et al. **Ann Radiol (Paris)** 1981 Nov;24(7):594–7 (Eng. Abstr.) **(Fre)**
[Radiology used in otorhinolaryngological endoscopy] Lamontagne LB. **J Otolaryngol** 1981 Oct;10(5):391–5 (Eng. Abstr.) **(Fre)**
[Membraneous stenosis of the upper oesophagus (webs) (author's transl)] Koch HL, et al. **ROFO** 1981 Aug; 135(2):177–80 (Eng. Abstr.) **(Ger)**
[Double-contrast radiologic study of the esophagus] Barillà M, et al. **Ann Ital Chir** 1981;53(5):561–72 **(Ita)**
[A case of esophageal moniliasis (author's transl)] Fujita N, et al. **Rinsho Hoshasen** 1981 Nov;26(12):1339–42 (Eng. Abstr.) **(Jpn)**
[Clinicoradiological aspects of pathology of esophagocardial area] Mărgineanu C, et al. **Rev Med Interna [Med Interna]** 1981 Jul–Aug;33(4):331–6 **(Rum)**

RADIONUCLIDE IMAGING

Meckel diverticulum, Barrett esophagus and retained gastric antrum syndrome. Marcus CS, et al. **Conn Med** 1982 Apr; 46(4):188
Radionuclide scanning in esophageal disease. McCallum RW. **J Clin Gastroenterol** 1982 Feb;4(1):67–70
Scintigraphic evaluation of disorders of the esophagus, stomach, and duodenum. Malmud LS, et al. **Med Clin North Am** 1981 Nov;65(6):1291–310

SURGERY

Esophagectomy: definitive treatment for esophageal neuromotor dysfunction. Orringer MB, et al. **Ann Thorac Surg** 1982 Sep;34(3):237–48
Oesophagoplasty for malignant obstruction of the oesophagus following previous partial gastrectomy. McCaughan BC, et al. **Aust NZ J Surg** 1982 Aug;52(4):373–9
Secondary repair of oesophagus following spontaneous rupture with the use of a Celestin tube. McLaughlin SJ, et al. **Aust NZ J Surg** 1982 Feb;52(1):83–6
Treatment of bleeding canine duodenal and esophageal ulcers with argon laser and bipolar electrocoagulation. Machicado GA, et al. **Gastroenterology** 1981 Nov;81(5):859–65
Esophagectomy sans thoracotomy. Mattingly WT Jr, et al. **J Ky Med Assoc** 1982 Jun;80(6):344–6
Technique of jejunal interposition for esophageal replacement. Foker JE, et al. **J Thorac Cardiovasc Surg** 1982 Jun;83(6):928–33
Therapy of the spontaneous esophageal rupture. Report of a case with atypical early symptoms. Review of the literature. Piscioli F, et al. **Mater Med Pol** 1981 Jan–Mar; 13(1):58–62
Esophagectomy without thoracotomy. Akiyama H. **Surg Annu** 1981;13:109–21
Colon-interposition as replacement for the esophagus. A follow-up study. van der Zee DC, et al. **Z Kinderchir** 1981 Aug;33(4):291–7
[Surgical treatment of non-malignant diseases of the esophagus in the aged] Duda M, et al. **Cesk Gastroenterol Vyz** 1982 Jun;36(3–4):145–61 (Eng. Abstr.) **(Cze)**
[Esophageal surgery at the First Surgical Clinic, Olomouc Faculty Hospital, 1948–1980] Serý Z, et al. **Rozhl Chir** 1982 Jun;61(6):373–82 (Eng. Abstr.) **(Cze)**
[Surgical treatment of failures or recurrences after Heller cardiomyotomy (author's transl)] Fekete F, et al. **Acta Chir Belg** 1982 Jul–Aug;(4):333–43 (Eng. Abstr.) **(Fre)**
[Experience of esophageal replacement by the colon in 60 patients (author's transl)] Otte JB, et al. **Acta Chir Belg** 1982 Jul–Aug;(4):389–96 **(Fre)**
[Spontaneous esophageal rupture: report on four cases (author's transl)] Richelme H, et al. **Chirurgie** 1981 Feb; 107(2):158–69 (Eng. Abstr.) **(Fre)**

THERAPY

Nonoperative management of contained esophageal perforation. Andersen OS, et al. **Arch Surg** 1981 Sep; 116(9):1214–7
Insertion of oesophageal prostheses. Wilson T. **Aust Fam Physician** 1981 Jun;10(6):479–80
Effect of conservative treatment of oesophageal dysfunction on bronchial asthma. Kjellén G, et al. **Eur J Respir Dis** 1981 Jun;62(3):190–7

[A case report of spontaneous rupture of esophagus and a review of 107 cases in literature from 1934 to 1980. --The significant role of positive-pressure breathing for rest and healing of the site of direct suture (author's transl)] Miyoshi S, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1981 Aug; 29(8):1381–6 (Eng. Abstr.) **(Jpn)**

[Diagnostic and therapeutic endoscopy in esophageal-gastric hemorrhages] Anakhasian VR, et al. **Klin Khir** 1982 Apr; (4):16–9 **(Rus)**

VETERINARY

Serial endoscopic observation of swine gastroesophageal ulceration induced by injection of a histamine–oil–beeswax mixture. Kokue E, et al. **Am J Vet Res** 1981 Oct; 42(10):1807–10

Observations on the potential role of oesophageal radiography in the horse. Greet TR. **Equine Vet J** 1982 Jan;14(1):73–9

Surgery of the esophagus. Stick JA. **Vet Clin North Am [Large Anim Pract]** 1982 May;4(1):33–59

Radiography of oesophageal obstructions [letter] Houlton JE, et al. **Vet Rec** 1982 Feb 13;110(7):159–60

Extrinsic factors: how they can affect a diagnosis. Lindley WH. **VM SAC** 1981 Aug;76(8):1139–40

ESOPHAGEAL DIVERTICULA

CHEMICALLY INDUCED

Severe dysphagia from emepronium bromide associated with oesophageal diverticulum [letter] Murray K. **Br J Surg** 1982 Jul;69(7):439

COMPLICATIONS

Zenker's diverticulum as a cause for loss of drug availability: a 'new' complication. Baron SH. **Am J Gastroenterol** 1982 Mar;77(3):152–3

Carcinoma in a Zenker's diverticulum. Donald PJ, et al. **Head Neck Surg** 1979 Sept–Oct;2(1):71–5

Aspiration pneumonia after brain surgery. Reiff T. **Hosp Pract** 1981 Oct;16(10):44H, 44L–44M, 44P

[Esophagopleural fistula secondary to ruptured esophageal diverticulum (author's transl)] Matsumoti M, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1981 Jul;29(7):1214–8 (Eng. Abstr.) **(Jpn)**

[Giant epiphrenic esophageal diverticulum, biliary lithiasis and cryptogenetic liver cirrhosis] Herrerias Gutiérrez JM. **Rev Esp Enferm Apar Dig** 1981 Oct;60(4):385–9 (Eng. Abstr.) **(Spa)**

DIAGNOSIS

Pharyngoesophageal pulsion diverticulum (Zenker) in a ten-year-old boy. Fiser WP, et al. **J Pediatr Surg** 1981 Oct;16(5):727–9

[Traumatic pharyngo-esophageal pseudodiverticulum in a newborn infant. Report of a case with a review of the literature] Kalume R de S, et al. **AMB** 1981 Apr; 27(4):127–30 **(Por)**

ETIOLOGY

Traction diverticulum: a complication of cervical esophagostomy. Kaplan HJ, et al. **Head Neck Surg** 1982 Jan–Feb;4(3):237–9

Case of the spring season. Franceschi P. **Semin Roentgenol** 1982 Apr;17(2):93–4

Posttraumatic esophageal diverticulum. Ikard RW. **South Med J** 1981 Nov;74(11):1397–8

PATHOLOGY

Intramural pseudodiverticulosis of the esophagus. Cantor DS, et al. **Am J Gastroenterol** 1982 Jul;77(7):454–6

Case records of the Massachusetts General Hospital. Weekly clinicopathological exercises. Case 32–1982. A 65-year-old man with dysphagia and dilatation of the esophagus. **N Engl J Med** 1982 Aug 12;307(7):426–33

PHYSIOPATHOLOGY

Pharyngoesophageal (Zenker's) diverticulum: a reappraisal. Knuff TE, et al. **Gastroenterology** 1982 Apr;82(4):734–6

RADIOGRAPHY

Giant epiphrenic diverticula. Conrad C, et al. **Eur J Radiol** 1982 Feb;2(1):48–9

Intramural pseudodiverticulosis of the esophagus: report of seven cases and literature review. Brühlmann WF, et al. **Gastrointest Radiol** 1981;6(3):199–208

Carcinoma arising in an epiphrenic esophageal diverticulum. Saldana JA, et al. **Gastrointest Radiol** 1982;7(1):15–8

Case of the spring season. Franceschi P. **Semin Roentgenol** 1982 Apr;17(2):93–4

[Intramural pseudo-diverticulosis of the oesophagus. Radiological appearances in two cases (author's transl)] Delgoffe C, et al. **J Radiol** 1981 Dec;62(12):635–8 (Eng. Abstr.) **(Fre)**

[Intramural pseudodiverticulosis of the esophagus (letter)] Imbert Y, et al. **Nouv Presse Med** 1981 Nov 7;10(40):3321 **(Fre)**

[Esophageal sarcoma in Zenker's diverticulum. Difficult diagnosis of a rare disease picture] Säuberli H, et al. **ROFO** 1982 May;136(5):599–600 **(Ger)**

[Clinical and radiographic diagnostic problems in a case of multiple intramural esophageal diverticulosis in a patient with miliary tuberculosis] Limido G, et al. **Minerva Med** 1981 Oct 13;72(39):2639–43 **(Ita)**

SURGERY

[Surgery and endoscopic treatment of hypopharyngoesophageal diverticula] Skeřik P, et al. **Cesk Otolaryngol** 1981;30(6):356–60 (Eng. Abstr.) **(Cze)**

VETERINARY

Esophageal diverticulectomy in a horse. Frauenfelder HC, et al. **J Am Vet Med Assoc** 1982 Apr 1;180(7):771–2

ESOPHAGEAL FISTULA

COMPLICATIONS

Delayed halitosis–a rare cause. Lawson RA, et al. **Postgrad Med J** 1982 Jan;58(675):52–4

DIAGNOSIS

Fibre-optic bronchoscopy during mechanical ventilation [letter] Santiago SM Jr, et al. **Anaesthesia** 1982 Feb; 37(2):219–20

Oesophago–aortic fistula. Montgomery AC, et al. **Postgrad Med J** 1981 Jun;57(668):380

Aortoesophageal fistula. Baker MS, et al. **South Med J** 1982 Jun;75(6):770

[Oesophagogastric fistula: a rare complication of hiatus hernia surgery: report on three cases (author's transl)] Alexandre JH, et al. **Chirurgie** 1981;107(10):755–61 (Eng. Abstr.) **(Fre)**

ETIOLOGY

Aortoesophageal fistula secondary to reflux esophagitis. Cronen P, et al. **Ann Thorac Surg** 1982 Jan;33(1):78–80

Esophago–subarachnoidal fistula: an unusual complication of esophageal carcinoma. Wippold FJ, et al. **J Comput Assist Tomogr** 1982 Feb;6(1):147–9

Aortoesophageal fistula. Han SY, et al. **South Med J** 1981 Oct;74(10):1260–2

[Ventriculoesophageal fistula] Soudek K, et al. **Rozhl Chir** 1981 Feb;60(2):123–5 (Eng. Abstr.) **(Cze)**

PATHOLOGY

[Tuberculous aorto–esophageal fistula--a rare cause of hemorrhage in the esophagus] Claussnitzer R, et al. **Zentralbl Chir** 1982;107(8):473–6 **(Ger)**

RADIOGRAPHY

Clinical and radiographic manifestations of aortoesophageal fistulas. Baron RL, et al. **Radiology** 1981 Dec; 141(3):599–605

Iatrogenic esophageal–pleural fistula: subtlety of diagnosis in the absence of mediastinitis. Wechsler RJ, et al. **Radiology** 1982 Jul;144(2):239–43

Idiopathic esophagopleural fistula in the newborn. A review, with a case report. Iannaccone G, et al. **ROFO** 1982 Jul; 137(1):88–91

[Value of water-soluble opaque media in the early detection of fistulae following operation for hiatus hernia (author's transl)] Alexandre JH, et al. **J Radiol** 1982 Feb;63(2):115–7 (Eng. Abstr.) **(Fre)**

SURGERY

Jejunal loop bypass and fundoplication for malignant esophagobronchial fistula. Ong GB, et al. **Surg Gynecol Obstet** 1982 Feb;154(2):165–9

[Esophagopleural fistula secondary to ruptured esophageal diverticulum (author's transl)] Matsumoti M, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1981 Jul;29(7):1214–8 (Eng. Abstr.) **(Jpn)**

ESOPHAGEAL NEOPLASMS

Esophageal carcinoma metastatic to the brain. Vaquero J, et al. **Am J Gastroenterol** 1982 Aug;77(8):541–2

Second primary respiratory tract and oesophageal cancers following head and neck malignancy [letter] Markman M. **Lancet** 1981 Nov 28;2(8257):1230

CT findings of abdominal metastases from cancer of the esophagus. Inamoto K, et al. **Nippon Igaku Hoshasen Gakkai Zasshi** 1981;41(10):938–45

Crohn's disease of the upper gastro-intestinal tract. Case report and review of the literature. Bianco L, et al. **Panminerva Med** 1981 Jan–Mar;23(1):11–6 (18 ref.)

[Multiple esophageal carcinomas and their association with primary carcinomas of other organs] Giarelli L, et al. **Pathologica** 1981 Jan–Feb;73(1023):39–43 (15 ref.) (Eng. Abstr.) **(Ita)**

ANALYSIS

[Clinicopathological studies of DNA content in nuclei of cells isolated from patients with esophageal carcinoma (author's transl)] Hiratsuka R. **Fukuoka Igaku Zasshi** 1981 Oct; 72(10):556–74 (Eng. Abstr.) **(Jpn)**

BLOOD

Can acute phase reactants distinguish benign and malignant disease of the upper gut? Grindulis KA, et al. **Clin Oncol** 1981 Dec;7(4):345–50

Functioning paraganglioma in the organ of Zuckerkandl associated with esophagus carcinoma: a case report. Nishiyama T, et al. **J Surg Oncol** 1982 Jul;20(3):182–6

[Distribution of ABO blood groups among patients with carcinoma of esophagus and gastric cardia in Linxian People's Hospital (author's transl)] Wu M, et al. **Chung Hua Chung Liu Tsa Chih** 1981 Feb;3(1):16–8 (Eng. Abstr.) **(Chi)**

CHEMICALLY INDUCED

Mechanism of esophageal tumor induction in rats by N-nitrosomethylbenzylamine and its ring-methylated analog N-nitrosomethyl(4-methylbenzyl)amine. Hodgson RM, et al. **Cancer Res** 1982 Jul;42(7):2836–40

Esophageal cancer in Linxian county, China: a possible etiology and mechanism (initiation and promotion). Cheng SJ, et al. **Carcinog Compr Surv** 1982;7:167–74

Mutagens produced by the pyrolysis of opium and its alkaloids as possible risk factors in cancer of the bladder and oesophagus. Malaveille C, et al. **Carcinogenesis** 1982; 3(5):577–85

Early changes of dog esophageal mucosa induced by N-ethyl-N'-nitro-N-nitrosoguanidine. Takubo K, et al. **Gan** 1981 Dec;72(6):880–5

Inhibition of the hepatocarcinogenic activity of diethylnitrosamine (DENA) by ethanol in rats. Habs M, et al. **Hepatogastroenterology** 1981 Oct;28(5):242–4

Zinc deficiency, alcohol, and retinoid: association with esophageal cancer in rats. Gabrial GN, et al. **JNCI** 1982 May;68(5):785–9

Esophageal carcinogenesis in F344 rats by nitrosomethylethylamines substituted in the ethyl group. Lijinsky W, et al. **JNCI** 1982 Apr;68(4):681–4

[Induction of esophageal cancer in rats by different doses of N-methyl-N-amylnitrosamine (author's transl)] Wang CJ, et al. **Chung Hua Chung Liu Tsa Chih** 1980 Dec; 2(4):263–8 (Eng. Abstr.) **(Chi)**

[Esophageal carcinoma and epithelial dysplasia in beagle dogs induced by N-ethyl-N'-nitro-N-nitrosoguanidine (author's transl)] Morino K. **Nippon Shokakibyo Gakkai Zasshi** 1982 Mar;79(3):765–71 (Eng. Abstr.) **(Jpn)**

[Sequential morphological studies of the esophageal carcinoma of rats induced by N-methyl-N-amylnitrosamine (author's transl)] Okazaki S. **Nippon Shokakibyo Gakkai Zasshi** 1981 Oct;78(10):1889–95 (Eng. Abstr.) **(Jpn)**

CLASSIFICATION

[Further studies on the separate entity of intraluminal type of esophageal carcinoma (author's transl)] Huang GJ, et al. **Chung Hua Chung Liu Tsa Chih** 1981 May;3(2):110–2 (Eng. Abstr.) **(Chi)**

COMPLICATIONS

Barrett's esophagus and multiple malignancies [letter] Chedid A, et al. **Arch Pathol Lab Med** 1982 Jan;106(1):46–7

Failure of clinical criteria to distinguish between primary achalasia and achalasia secondary to tumor. Sandler RS, et al. **Dig Dis Sci** 1982 Mar;27(3):209–13

Autovagotomy by esophageal carcinoma. An unusual cause of gastric retention without outlet obstruction. Delamarre J, et al. **Hepatogastroenterology** 1981 Oct;28(5):274–5

Esophago–subarachnoidal fistula: an unusual complication of esophageal carcinoma. Wippold FJ, et al. **J Comput Assist Tomogr** 1982 Feb;6(1):147–9

Tracheobronchial and pancreatic remnants causing esophageal stenosis. Briceño LI, et al. **J Pediatr Surg** 1981 Oct;16(5):731–2

Esophageal carcinoma associated with neurofibromatosis–a case report. Okudaira Y, et al. **Jpn J Surg** 1981;11(3):189–92

Intubation of inoperable tumours of the oesophagogastric junction. Moll FL, et al. **Neth J Surg** 1982 Mar;34(1):8–12

Carcinoma of the oesophagus associated with membrano-proliferative glomerulonephritis. Walker JF, et al. **Postgrad Med J** 1981 Sep;57(671):592–6

Adenocarcinoma in Barrett's oesophagus. Two case reports and discussion. Hall C, et al. **Scand J Thorac Cardiovasc Surg** 1982;16(1):107–9

Congenital oesophageal stenosis caused by tracheobronchial structures in the oesophageal wall. Ibrahim NB, et al. **Thorax** 1981 Jun;36(6):465–8

[Perforation of esophageal cancer (author's transl)] Segol P, et al. **Acta Chir Belg** 1982 Jul–Aug;(4):405–9 (Eng. Abstr.) **(Fre)**

[Two cases of cancer of the esophagus complicated with pneumoconiosis (author's transl)] Oshima S, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1981 Nov; 29(11):1805–10 (Eng. Abstr.) **(Jpn)**

[Small cell variant Sézary's syndrome with esophageal and lung carcinoma (author's transl)] Asano Y, et al. **Rinsho Ketsueki** 1982 Mar;23(3):340–8 (Eng. Abstr.) **(Jpn)**

[Eaton-Lambert syndrome. Apropos of 4 cases] Sánchez Novials A, et al. **Rev Clin Esp** 1982 Feb 28;164(4):273–4 **(Spa)**

CONGENITAL

Choristoma: esophageal stenosis, due to tracheobronchial remnants. Tubino P, et al. **Z Kinderchir** 1982 Jan;35(1):14–7

DIAGNOSIS

Symptoms of esophageal dysfunction. Cattau EL Jr, et al. **Adv Intern Med** 1982;27:151–81 (100 ref.)

Management of premalignant esophagogastric lesions. Sampliner RE. **Ariz Med** 1982 May;39(5):312–3

Effectiveness of the small-diameter panendoscope in diagnosing cancers of the upper gastrointestinal tract. Nishizawa M, et al. **Endoscopy** 1982 Jan;14(1):19–21

Evaluation of brush rinsings for the cytologic diagnosis of esophageal and gastric cancer. Batra SK, et al. **Gastrointest Endosc** 1982 Feb;28(1):23–5

Benign pedunculated intraluminal tumor of the esophagus. Tasaka Y, et al. **J Otolaryngol** 1982 Apr;11(2):111–5

Detection and natural progression of early oesophageal carcinoma: preliminary communication. Yanjin M, et al. **J R Soc Med** 1981 Dec;74(12):884–6

Symptoms of carcinoma of the oesophagus. Ojala K, et al. **Med J Aust** 1982 May 1;1(9):384–5

Esophageal leiomyosarcoma. Franklin GO, et al. **NY State J Med** 1982 Jun;82(7):1100–3

Symptoms and diagnostic delay in patients with carcinoma of oesophagus and gastric cardia: a retrospective study of 225 patients. Ojala K, et al. **Postgrad Med J** 1982 May; 58(679):264–7

[Endoscopic diagnosis of malignant tumors of the esophagus] Popov P, et al. **Vutr Boles** 1982;21(3):37–40 (Eng. Abstr.) **(Bul)**

[Analysis of 37 operated cases misdiagnosed as carcinoma of esophagus or cardia (author's transl)] Du XQ. **Chung Hua Chung Liu Tsa Chih** 1982 Feb;4(1):48–50 (Eng. Abstr.) **(Chi)**

[Bone and epidural metastases disclosing esophageal spinocellular carcinoma (letter)] Bonvoisin B, et al. **Rev Rhum Mal Osteoartic** 1981 Nov;48(11):744–5 **(Fre)**

[Acute polyarthritis disclosing an esophageal carcinoma. Apropos of 2 cases] Cayla J, et al. **Rev Rhum Mal Osteoartic** 1981 Jul–Sep;48(7–9):595–600 **(Fre)**

[Diagnosis and differential therapy of malignant esophageal stenosis] Tytgat GN. **Internist (Berlin)** 1982 May; 23(5):251–6 **(Ger)**

[Endoscopy of esophageal cancer (author's transl)] Classen M, et al. **Langenbecks Arch Chir** 1981;355:59–61 (Eng. Abstr.) **(Ger)**

[The problem of cancerizable lesions of the esophagus] Mastroviti GD, et al. **Ann Ital Chir** 1981;53(1):71–93 (102 ref.) **(Ita)**

[2 cases of granular cell myoblastoma of the esophagus] Propersi L, et al. **Chir Ital** 1981 Aug;33(4):938–40 **(Ita)**

[The importance of endoscopy and cytology in the diagnosis of esophageal cancer] Califano G, et al. **Minerva Chir** 1980 Dec 15–31;35(23–24):1907–12 **(Ita)**

[Mediastinoscopy in the esophageal diseases especially in carcinoma of the esophagus (author's transl)] Takahashi Y. **Nippon Kyobu Geka Gakkai Zasshi** 1982 Mar; 30(3):342–56 (Eng. Abstr.) **(Jpn)**

[Granular cell tumor of the esophagus (report of a case) (author's transl)] Nanaumi K, et al. **Rinsho Hoshasen** 1981 Nov;26(12):1343–6 (Eng. Abstr.) **(Jpn)**

[Lung cancer clinically simulating esophageal cancer] Jonecko A, et al. **Wiad Lek** 1981 Oct–Dec; 34(20–24):1737–40 (Eng. Abstr.) **(Pol)**

[Involvement of the upper digestive tract in patients with cancer of the large intestine] Kolesnikova GD, et al. **Khirurgiia (Mosk)** 1982 May;5:59–62 **(Rus)**

[Potentials of x-ray and endoscopic study methods in the diagnosis of cancer recurrences in the area of the esophageal anastomoses] Kokhanova GA, et al. **Klin Khir** 1982 May;(5):11–4 (Eng. Abstr.) **(Rus)**

[Radiophosphorus study of the esophagus under endoscopic control] Karataev KM, et al. **Med Radiol (Mosk)** 1982 Jun; 27(6):38–41 **(Rus)**

[Functional obstruction of the cardia and cancer localized in the cardia and esophagus] Cherniavskii AA, et al. **Vestn Khir** 1982 Mar;128(3):14–9 (Eng. Abstr.) **(Rus)**

[Diagnosis and treatment of esophageal cancer (a review of the literature)] Sheliakhovskii MV, et al. **Voen Med Zh** 1981 Dec;(12):26–30 (28 ref.) **(Rus)**

[Spontaneous blood serum chemiluminescence in detecting recurrences and metastases of cancer of the proximal portion of the stomach and esophagus] Baraboi VA, et al. **Vopr Onkol** 1982;28(4):17–20 (Eng. Abstr.) **(Rus)**

[Prognostic value of hormonal and immunological indices in the combined treatment of esophageal cancer] Bordiushkov IuN, et al. **Vopr Onkol** 1982;28(7):13–22 (Eng. Abstr.) **(Rus)**

[Limits and potentials of fiber esophagoscopy in detecting background diseases and early forms of esophageal cancer] Inshakov LN, et al. **Vopr Onkol** 1981;27(10):86–7 **(Rus)**

DRUG THERAPY

Chemotherapy in the treatment of esophageal carcinoma. Ahmann FR. **Ariz Med** 1982 Mar;39(3):173–4

Chemotherapy in gastric and oesophageal cancer. Tattersall MH. **Aust NZ J Surg** 1982 Feb;52(1):49–52

Combination chemotherapy of esophageal carcinoma using cisplatin, vindesine, and bleomycin. Kelsen DP, et al. **Cancer** 1982 Mar 15;49(6):1174–7

Effective chemotherapy for esophageal cancer with methotrexate, bleomycin, and cis-diamminedichloroplatinum II. Vogl SE, et al. **Cancer** 1981 Dec 15;48(12):2555–8

Phase I--II study of the combination of 5-FU, doxorubicin, mitomycin, and semustine (FAMMe) in the treatment of adenocarcinoma of the stomach, gastroesophageal junction, and pancreas. Karlin DA, et al. **Cancer Treat Rep** 1982 Aug;66(8):1613–7

Phase II study of methyl-GAG in the treatment of esophageal carcinoma. Kelsen D, et al. **Cancer Treat Rep** 1982 Jun;66(6):1427–9

Cisplatin, vindesine, and bleomycin (DVB) combination chemotherapy for esophageal carcinoma. Kelsen DP, et al. **Cancer Treat Rep** 1981 Sep–Oct;65(9–10):781–5

Advances in chemotherapy of esophageal cancer. Kelsen DP. **Clin Bull** 1981;11(3):131–8

Eradication and palliation of squamous cell carcinoma of the esophagus with chemotherapy, radiotherapy, and surgical therapy. Steiger Z, et al. **J Thorac Cardiovasc Surg** 1981 Nov;82(5):713–9

Intraoperative local adjuvant cancer chemotherapy for carcinoma of the thoracic esophagus. Sugimachi K, et al. **Jpn J Surg** 1982;12(2):105–10

Studies on the sensitivities of esophageal cancer to anticancer agents and the supplementary chemotherapy combined with surgical treatment. Masaki Y. **Nippon Geka Hokan** 1981 Nov 1;50(6):769–88

Chemotherapy of carcinomas of the digestive tract. Gisselbrecht C, et al. **Recent Results Cancer Res** 1982; 80:296–302

Cyclophosphamide, doxorubicin and celestin intubation for inoperable oesophageal carcinoma. Nicolaou N, et al. **S Afr Med J** 1982 Mar 20;61(12):428–31

[Treatment of marked epithelial dysplasia of esophagus. II. Microspectophotometric studies on DNA content in epithelial cells of esophagus treated with antitumor B III or tilorone (author's transl)] Lin PZ. **Chung Hua Chung Liu Tsa Chih** 1981 Nov;3(4):245–8 (Eng. Abstr.) **(Chi)**

[Randomized trial of vincristin-methotrexate-bleomycin and cis-platin or detorubicin for advanced head and neck cancer (author's transl)] Cappelaere P, et al. **Bull Cancer (Paris)** 1981;68(5):422–7 (Eng. Abstr.) **(Fre)**

[Treatment of advanced epidermoid carcinoma of the oesophagus with combined 5-fluorouracil, adriamycin and cis-platinum (FAP)] Gisselbrecht C, et al. **Nouv Presse Med** 1982 May 22;11(24):1859–62 (Eng. Abstr.) **(Fre)**

[Chemotherapy of esophageal and cardial carcinomas] Nagel GA, et al. **Langenbecks Arch Chir** 1981;355:77–80 (Eng. Abstr.) **(Ger)**

[A case of inoperable esophageal carcinoma responding to adriamycin and FT 207 suppository for more than one year (author's transl)] Kabuto T, et al. **Nippon Gan Chiryo Gakkai Shi** 1981 Jun 20;16(3):409–13 (Eng. Abstr.) **(Jpn)**

ETIOLOGY

On the track of oesophageal cancer [news] **Food Cosmet Toxicol** 1981 Dec;19(6):781–3

Carcinoma in a Zenker's diverticulum. Donald PJ, et al. **Head Neck Surg** 1979 Sept–Oct;2(1):71–5

Esophageal cancer among black men in Washington, D.C. I. Alcohol, tobacco, and other risk factors. Pottern LM, et al. **JNCI** 1981 Oct;67(4):777–83

Precursor lesions of oesophageal cancer in high-risk populations in Iran and China. Muñoz N, et al. **Lancet** 1982 Apr 17;1(8277):876–9

Silica fragments from millet bran in mucosa surrounding oesophageal tumours in patients in northern China. O'Neill C, et al. **Lancet** 1982 May 29;1(8283):1202–6

Diet and cancer of the esophagus. Mettlin C, et al. **Nutr Cancer** 1981;2(3):143–7

Nutrient intakes among rural Transkeians at risk for oesophageal cancer. Groenewald G, et al. **S Afr Med J** 1981 Dec 19;60(25):964–7

Recent research on the etiology of esophageal cancer in China. Lu SH, et al. **Z Gastroenterol** 1982 Jul;20(7):361–7 (25 ref.)

[Primary epidemiologic survey about causative factors of esophageal carcinoma in Xinjian Province (author's transl)] Liu BQ, et al. **Chung Kuo I Hsueh Ko Hsueh Yuan Hsueh Pao** 1980 Dec; 2(4):232–7 (Eng. Abstr.) **(Chi)**

[Possible etiologic factors in the development of esophageal cancer] Horváth O, et al. **Orv Hetil** 1982 Apr 18; 123(16):971–6 **(Hun)**

FAMILIAL & GENETIC

Scleroderma and esophageal carcinoma. Chromosomal abnormalities in a patient. Nissenblatt MJ, et al. **NY State J Med** 1981 Nov;81(12):1748–50

[Genetic etiology of esophageal cancer: II. Cytogenetic studies on peripheral blood cells of esophageal cancer and epithelial dysplasia patients with positive family history in Linxian County (author's transl)] Wu YQ, et al. **Chung Hua Chung Liu Tsa Chih** 1981 Feb;3(1):12–5 (Eng. Abstr.) **(Chi)**

IMMUNOLOGY

Immunological studies on esophageal cancer --cellular immunocompetence and histological responses in main tumor and regional lymph nodes in esophageal cancer patients. Oka M. **Nippon Geka Hokan** 1981 Jan 1; 50(1):29–44

[Study on immunogenicity of esophageal cancer: in vivo immunologic reactivity of esophageal cancer patients (author's transl)] Chen YF, et al. **Chung Hua Chung Liu Tsa Chih** 1981 Aug;3(3):171–4 (Eng. Abstr.) **(Chi)**

[Humoral and cellular immunity in patients with cancer of the esophagus. Effects of nutritional preparation] Martin C, et al. **Ann Anesthesiol Fr** 1981;22(3):259–64 (Eng. Abstr.) **(Fre)**

[Cellular immunity in patients with esophageal and gastric tumors in various stages] Horváth OP, et al. **Orv Hetil** 1981 Jun 28;122(26):1567–72 **(Hun)**

[Changes in the anti-infection immunity indices of esophageal cancer patients undergoing combined immunization against staphylococcal and Pseudomonas aeruginosa infections] Kochetkova VA, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1982 Jun;(6):91–5 (Eng. Abstr.) **(Rus)**

METABOLISM

The effect of gastrointestinal malignancy on resting metabolic expenditure. Macfie J, et al. **Br J Surg** 1982 Aug; 69(8):443–6

Mucin histochemistry of the columnar epithelium of the oesophagus: a retrospective study. Jass JR. **J Clin Pathol** 1981 Aug;34(8):866–70

MICROBIOLOGY

Microbial flora in carcinoma of oesophagus. Finlay IG, et al. **Thorax** 1982 Mar;37(3):181–4

MORTALITY

Studies on the causes of deaths from esophageal carcinoma. Isono K, et al. **Cancer** 1982 May 15;49(10):2173–9

[What is new in the diagnosis and therapy of esophagus and cardia cancer? Epidemiology] Dörken H. **Langenbecks Arch Chir** 1981;355:45–8 (Eng. Abstr.) **(Ger)**

OCCURRENCE

Increasing frequency of esophageal cancer among black male veterans. Rogers EL, et al. **Cancer** 1982 Feb 1;49(3):610–7

Cancer of the oesophagus and the use of tobacco and alcoholic beverages in Transkei, 1975–6. McGlashan ND, et al. **Int J Cancer** 1982 Mar 15;29(3):249–56

Honored guest's address: progress in the study and surgical treatment of cancer of the esophagus in China, 1940--1980. Wu YK, et al. **J Thorac Cardiovasc Surg** 1982 Sep; 84(3):325–33

Esophageal cancer among black men in Washington, D.C. II. Role of nutrition. Ziegler RG, et al. **JNCI** 1981 Dec; 67(6):1199–206

Second respiratory and upper digestive tract cancers after oral cancer. Tepperman BS, et al. **Lancet** 1981 Sep 12; 2(8246):547–9

Symposium on tumours in the tropics. Carcinomas of the oesophagus, bladder, cervix uteri and penis. Cook-Mozaffari P. **Trans R Soc Trop Med Hyg** 1982; 76(2):157–63

[Current status of esophageal neoplasms. I.] Barbier P, et al. **Schweiz Med Wochenschr** 1982 Jul 17;112(29):1026–32 (Eng. Abstr.) **(Ger)**

[Epidemiologic findings in esophageal cancer in the Veneto region] Rossi M, et al. **Minerva Med** 1982 May 26; 73(22):1531–40 (Eng. Abstr.) **(Ita)**

[Epidemiological aspects of esophageal cancer] Ruggieri M, et al. **Recenti Prog Med** 1981 May;70(5):545–56 **(Ita)**

[Esophageal and stomach pathology of residents in areas characterized by a high incidence of esophageal cancer morbidity] Aleksandrova NM, et al. **Vopr Onkol** 1982; 28(4):11–4 (Eng. Abstr.) **(Rus)**

PATHOLOGY

Dysplasia and reserve cell hyperplasia-like change in human esophagus. Takubo K, et al. **Acta Pathol Jpn** 1981 Nov; 31(6):999–1013

Carcinomas of the esophagus with synchronous or metachronous primary carcinoma in other organs. Shibuya H, et al. **Acta Radiol [Oncol]** 1982;21(1):39–43

Granular cell tumor of the esophagus. Patel RM, et al. **Am J Gastroenterol** 1981 Dec;76(6):519–23

Cellular measurements on early and advanced squamous cell carcinoma of the esophagus in Northern China. Lee TK. **Anal Quant Cytol** 1982 Mar;4(1):39–43

Sebaceous glands in the esophagus diagnosed in a clinical setting [letter] Merino MJ, et al. **Arch Pathol Lab Med** 1982 Jan;106(1):47–8

Granular cell tumor of the esophagus [letter] Miksanek T, et al. **Arch Pathol Lab Med** 1981 Dec;105(12):684–5

Primary malignant melanoma of the esophagus. Ludwig ME, et al. **Cancer** 1981 Dec 1;48(11):2528–34

A suction-abrasive cytology tube for the diagnosis of esophageal carcinoma. Tim LO, et al. **Cancer** 1982 Aug 15;50(4):782–4

Leiomyosarcoma of the esophagus. Almeida JM. **Chest** 1982 Jun;81(6):761–3

'Ebb phenomenon' — diagnosis of submucosal diffuse invasion of esophageal cancer. Kumagai Y, et al. **Endoscopy** 1982 Jan;14(1):6–8

Intraepithelial carcinoma of the oesophagus: endoscopic morphology. Monnier P, et al. **Endoscopy** 1981 Sep; 13(5):185–91

Polypoid type of early squamous cell carcinoma of the esophagus. Takubo K, et al. **Gastroenterol Jpn** 1982; 17(1):56–60

Prospective evaluation of biopsy number in the diagnosis of esophageal and gastric carcinoma. Graham DY, et al. **Gastroenterology** 1982 Feb;82(2):228–31

Granular cell tumor of the esophagus. Flood CA. **Gastrointest Endosc** 1981 Nov;27(4):225–7

Early cancer of the esophagus and stomach. Kobayashi S, et al. **Gastrointest Endosc** 1982 May;28(2):108–9

Superficial oesophageal carcinoma: an oesophageal counterpart of early gastric cancer. Barge J, et al. **Histopathology** 1981 Sep;5(5):499–510

Carcinoma of the oesophagus with spindle cell features. Du Boulay CE, et al. **Histopathology** 1981 Jul;5(4):403–14

Osteosarcoma of the esophagus. McIntyre M, et al. **Hum Pathol** 1982 Jul;13(7):680–2

Seedling leiomyoma of the esophagus and esophagogastric junction zone. Takubo K, et al. **Hum Pathol** 1981 Nov; 12(11):1006–10

Pseudosarcoma of the esophagus. Takubo K, et al. **Hum Pathol** 1982 May;13(5):503–5

Uncommon malignancies of the esophagus. Chinoy M, et al. **IMJ** 1982 Feb;161(2):103–5,108

Primary adenocarcinoma of the esophagus (case report). Rao KS, et al. **Indian J Med Sci** 1981 Oct;35(10):237–8

Association of squamous carcinoma of the esophagus with a synchronous primary hepatocellular carcinoma. Jager RM, et al. **J Clin Gastroenterol** 1981 Mar;3(1):73–7

Esophageal granular cell tumors. Report of two multicentric cases with observations on their natural histories. Cone JB, et al. **J Surg Oncol** 1982 May;20(1):14–6

Primary adenocarcinoma of the esophagus: a review of 12 cases. Reyes CV, et al. **J Surg Oncol** 1981;18(2):153–8

Oat cell carcinoma of the esophagus. Sarma DP. **J Surg Oncol** 1982 Mar;19(3):145–50

Carcinosarcoma of the esophagus--a case report. Mizumoto K, et al. **Jpn J Surg** 1981 Jan;11(1):54–7

Case records of the Massachusetts General Hospital. Weekly clinicopathological exercises. Case 26–1982. Hypercalcemia 10 months after chemotherapy for lymphoma. **N Engl J Med** 1982 Jul 1;307(1):41–9

Intracerebral metastasis of esophageal carcinoma: case report. Chalif D, et al. **Neurosurgery** 1981 Sep;9(3):311–3

Heterotransplantation of human esophageal carcinoma to nude mice. Kitamura M, et al. **Tohoku J Exp Med** 1981 Nov;135(3):259–64

Oat cell carcinoma of the esophagus. Report of a case. Scarani P, et al. **Tumori** 1981 Dec 31;67(6):599–603

Oat cell carcinoma of the oesophagus. Case description and review of the literature. Rivera F, et al. **Virchows Arch [Pathol Anat]** 1981;391(3):337–44

[Double primary early carcinomas in the esophagus and gastric cardia (author's transl)] Li L. **Chung Hua Chung Liu Tsa Chih** 1981 May;3(2):142–3 (Eng. Abstr.) **(Chi)**

[Esophageal carcinoma with polypoid pseudosarcoma--a report of 7 cases (author's transl)] Shi SR. **Chung Hua Chung Liu Tsa Chih** 1982 Feb;4(1):42–4 (Eng. Abstr.) **(Chi)**

[Exfoliative cytology of early esophageal squamous cell carcinoma--a study of 100 cases (author's transl)] Shu YJ. **Chung Hua Chung Liu Tsa Chih** 1981 Feb;3(1):39–41 (Eng. Abstr.) **(Chi)**

[The effect of tetrandrine on the growth of ECa 109 cell line in vitro (author's transl)] Wang RZ, et al. **Chung Hua Chung Liu Tsa Chih** 1981 May;3(2):86–8 (Eng. Abstr.) **(Chi)**

[A case of primary malignant lymphoma associated with early infiltrating carcinoma of esophagus (author's transl)] Yan K, et al. **Chung Hua Chung Liu Tsa Chih** 1981 Feb;3(1):8–11 (Eng. Abstr.) **(Chi)**

[Double primary carcinomas of the esophagus and stomach: a pathological study of 9 cases (author's transl)] Liu FS. **Chung Kuo I Hsueh Ko Hsueh Yuan Hsueh Pao** 1979 Sep; 1(1):67–70 (Eng. Abstr.) **(Chi)**

[The columnar lined esophagus is a pre-malignant lesion (author's transl)] Philippe JM, et al. **Acta Chir Belg** 1982 Jul–Aug;(4):397–403 **(Fre)**

[Granular cell myoblastoma (Abrikossoff tumor) of the esophagus (author's transl)] Lebas de Lacour JC, et al. **Sem Hop Paris** 1982 Feb 18;58(7):383–6 (23 ref.) (Eng. Abstr.) **(Fre)**

[Premalignant and malignant changes in the epithelium in an antethoracic skin tube after esophagus replacement surgery] Petri A, et al. **Chirurg** 1981 Aug;52(8):501–4 (Eng. Abstr.) **(Ger)**

[Barrett's epithelium and adenocarcinomas of the esophagogastric junction: an anatomopathological contribution to their interpretation] Giarelli L, et al. **Pathologica** 1981 Sep–Oct;73(1027):723–8 (Eng. Abstr.) **(Ita)**

[Esophageal carcinoma observed from early to advanced stage on esophagogram (author's transl)] Takagi I, et al. **Nippon Gan Chiryo Gakkai Shi** 1981 Aug 20;16(4):656–63 (Eng. Abstr.) **(Jpn)**

[X-ray diagnosis and radiotherapy of mediastinal metastasis of the esophageal cancer (author's transl)] Suzaki K, et al. **Rinsho Hoshasen** 1982 Jan;27(1):37–42 (Eng. Abstr.) **(Jpn)**

[Treatment of congenital isolated ectopia of the bronchus in the esophagus] Rokitskii MR, et al. **Grudn Khir** 1981; (6):80–81 **(Rus)**

[Diffuse leiomyomatosis of the esophagus] Sokolov EA, et al. **Klin Khir** 1981 Oct;(10):57–8 **(Rus)**

[Rare case and method of removing an esophageal polyp] Nizhner IN. **Vestn Otorinolaringol** 1982 May–Jun;(3):78–9 **(Rus)**

[Morphological evaluation of the degree of the damage to the tumor in preoperative irradiation in esophageal cancer] Kanaev SV, et al. **Vopr Onkol** 1982;28(6):13–7 (Eng. Abstr.) **(Rus)**

[Barrett's esophagus and primary adenocarcinoma of the esophagus] Seco JL, et al. **Rev Esp Enferm Apar Dig** 1981 May;59(5):617–26 **(Spa)**

[Diagnostic accuracy of biopsy and endoscopic cytology in cancer of the esophagus and stomach. Experience and analysis of error factors] Martínez Carvajal R, et al. **Rev Gastroenterol Mex** 1981 Apr–Jun;46(2):59–62 (Eng. Abstr.) **(Spa)**

PHYSIOPATHOLOGY

[Gastric motor function in patients with pathology of the esophagus, stomach and duodenum before and after surgery] Popov GV, et al. **Klin Khir** 1981 Aug;(8):74–6 **(Rus)**

RADIOGRAPHY

The radiology of oesophageal tubes for malignant strictures. Lipinski JK, et al. **Clin Radiol** 1982 Jul;33(4):453–9

Radiology of uncommon esophageal neoplasms. Kormano MJ, et al. **Eur J Radiol** 1981 Mar;1(1):51–6

Radiologic patterns of carcinoma of the oesophagus. Yrjänä J. **Eur J Radiol** 1981 Aug;1(3):210–4

Gastrointestinal leiomyosarcoma--unusual sites: esophagus, colon and porta hepatis. Balthazar EJ. **Gastrointest Radiol** 1981;6(4):295–303

Hemangiomas of the esophagus. Govoni AF. **Gastrointest Radiol** 1982;7(2):113–7

Carcinoma arising in an epiphrenic esophageal diverticulum. Saldana JA, et al. **Gastrointest Radiol** 1982;7(1):15–8

Granular-cell tumors of the esophagus and common bile duct. Mauro MA, et al. **J Can Assoc Radiol** 1981 Dec; 32(4):254–6

Growth of squamous cell esophageal carcinoma observed by serial esophagographies. Takagi I, et al. **J Surg Oncol** 1982 Sep;21(1):57–60

Obstructing esophageal hematoma mimicking cancer: a case report and experimental study. Etani S, et al. **Jpn J Surg** 1982;12(1):35–40

Clinical evaluation of computed tomography in esophageal cancer. Hamada M, et al. **Kurume Med J** 1981;28(1):53–61

Transtracheal mediastinal lymphography for visualization of metastatic lymph nodes in carcinoma of the esophagus. Sugimachi K, et al. **Surg Gynecol Obstet** 1982 Jan; 154(1):34–8

Submucosal esophagography for esophageal cancer. Osugi H, et al. **World J Surg** 1981 Sep;5(5):703–6

[X-ray diagnosis and differential diagnosis of leiomyoma of esophagus (author's transl)] Gu J. **Chung Hua Fang She Hsueh Tsa Chih** 1982 Feb;16(1):26–8 **(Chi)**

[X-ray diagnosis of smooth muscle tumors of esophagus (author's transl)] Wang ZY. **Chung Hua Fang She Hsueh Tsa Chih** 1982 Feb;16(1):29–31 **(Chi)**

[Computed tomography in cancer of the esophagus. Preliminary report (author's transl)] Osteaux M, et al. **Acta Chir Belg** 1982 Jul–Aug;(4):297–304 **(Fre)**

[Oesophageal cancer extension. Diagnostic contribution and effects on therapy of computed tomography. Report on 40 cases (author's transl)] Coulomb M, et al. **J Radiol** 1981 Oct;62(10):475–87 (Eng. Abstr.) **(Fre)**

[Roentgen diagnosis of esophagus cancer] Felix R. **Langenbecks Arch Chir** 1981;355:55–8 **(Ger)**

[Malignant degeneration of an esophageal myoma] Christ F. **ROFO** 1981 Oct;135(4):499–500 **(Ger)**

[Computer tomographic findings in tumours of the oesophagus (author's transl)] Crone-Münzebrock W, et al. **ROFO** 1982 Apr;136(4):374–8 (Eng. Abstr.) **(Ger)**

[Esophageal sarcoma in Zenker's diverticulum. Difficult diagnosis of a rare disease picture] Säuberli H, et al. **ROFO** 1982 May;136(5):599–600 **(Ger)**

[Cancer-like x-ray findings in the esophagus caused by blood clot-hemorrhage due to coagulopathy] Reinhardt K. **Rontgenblatter** 1982 Jul;35(7):277–8 (Eng. Abstr.) **(Ger)**

[A radiological study of early esophageal carcinoma-with special reference to the superficial flat lesions (author's transl)] Katayama H, et al. **Nippon Igaku Hoshasen Gakkai Zasshi** 1981 Mar; 41(3):194–201 (Eng. Abstr.) **(Jpn)**

[A radiological and clinical study of superficially spread lesion of esophageal carcinoma (author's transl)] Ogino T. **Nippon Kyobu Geka Gakkai Zasshi** 1982 Jan;30(1):66–82 (Eng. Abstr.) **(Jpn)**

[Radiological study of sm-Esophageal cancer (author's transl)] Uematsu S, et al. **Rinsho Hoshasen** 1981 Jun; 26(6):629–33 (Eng. Abstr.) **(Jpn)**

[Radiological study after the operation of esophageal cancer (author's transl)] Uematsu S, et al. **Rinsho Hoshasen** 1981 Apr;26(4):445–50 (Eng. Abstr.) **(Jpn)**

[Radiological study of benign tumor of the esophagus (author's transl)] Uematsu S, et al. **Rinsho Hoshasen** 1982 Jan;27(1):31–5 (Eng. Abstr.) **(Jpn)**

[Prognosis influenced by the radiological findings on the resected esophageal cancer (author's transl)] Uematsu S, et al. **Rinsho Hoshasen** 1982 Feb;27(2):241–7 (Eng. Abstr.) **(Jpn)**

[Evaluation of four cases of esophageal cancer having been followed up radiologically (author's transl)] Uematsu S, et al. **Rinsho Hoshasen** 1982 Mar;27(3):379–82 (Eng. Abstr.) **(Jpn)**

[Retrospective radiographic study of esophageal carcinoma (author's transl)] Yamamoto I, et al. **Rinsho Hoshasen** 1981 Apr;26(4):437–44 (Eng. Abstr.) **(Jpn)**

[Pneumoesophagotomography in the differential diagnosis of esophageal cancer and secondary deviations] Romanychev IuA, et al. **Vestn Rentgenol Radiol** 1981 Nov–Dec;(6):28–33 (Eng. Abstr.) **(Rus)**

RADIONUCLIDE IMAGING

Ga-67 scan in patients with intrathoracic esophageal carcinoma planned for surgery. Kondo M, et al. **Cancer** 1982 Mar 1;49(5):1031–4

An evaluation of the mediastinal lymphoscintigram for carcinoma of the esophagus studied with 99mTc rhenium sulfur colloid. Terui S, et al. **Eur J Nucl Med** 1982; 7(3):99–101

[The clinical use of radioisotope scan in esophageal cancer--an analysis of 115 cases (author's transl)] Zhao CY. **Chung Hua Chung Liu Tsa Chih** 1981 Nov;3(4):262–5 (Eng. Abstr.) **(Chi)**

RADIOTHERAPY

Phenytoin-induced changes in the pharmacokinetics of misonidazole in radiotherapy patients. Moore JL, et al. **Br J Cancer** 1981 Oct;44(4):592–6

Results of radical radiotherapy of squamous cell carcinoma of the oesophagus. Newaishy GA, et al. **Clin Radiol** 1982 May 3;33(3):347–52

Bullous pemphigoid associated with radiotherapy for esophageal carcinoma. Furukawa F, et al. **Dermatologica** 1981;162(6):451–4

Misonidazole and unconventional radiation in advanced squamous cell carcinoma of the esophagus: a phase II study of the Radiation Therapy Oncology Group. Ydrach AA, et al. **Int J Radiat Oncol Biol Phys** 1982 Mar–Apr; 8(3–4):357–9

Can Ga-67 scans predict radiation effect in patients with intrathoracic esophageal carcinoma? Kondo M, et al. **Kaku Igaku** 1982 Feb;19(1):93–6

Preoperative radiotherapy for carcinoma of the esophagus. Launois B, et al. **Surg Gynecol Obstet** 1981 Nov; 153(5):690–2

Treatment of esophageal cancer with high dose rate intracavitary irradiation. Abe M, et al. **Tohoku J Exp Med** 1981 Jun;134(2):159–67

Radiotherapy for esophageal carcinoma. Pearson JG. **World J Surg** 1981 Jul;5(4):489–97

[Intracavitary irradiation of esophageal carcinoma (author's transl)] Miao YJ. **Chung Hua Chung Liu Tsa Chih** 1982 Feb;4(1):45–7 (Eng. Abstr.) **(Chi)**

[The TPS study of optimal field setting for the radiotherapy of esophageal carcinoma (author's transl)] Yang ZY, et al. **Chung Hua Chung Liu Tsa Chih** 1981 Feb;3(1):46–51 (Eng. Abstr.) **(Chi)**

[Analysis of esophageal cancer patients without local residual tumor after radiation (author's transl)] Yang ZY. **Chung Hua Fang She Hsueh Tsa Chih** 1982 Feb;16(1):63–5 **(Chi)**

[Preliminary irradiation of esophageal cancer] Sauer R, et al. **Strahlentherapie [Sonderb]** 1981;76:194–6 **(Ger)**

[Radiological and clinical findings after radiotherapy of malignant esophageal tumors] Fröhlich D. **Z Arztl Fortbild (Jena)** 1981 Apr 1;75(7):301–5 **(Ger)**

[Planning of radiation therapy for oesophageal cancer (author's transl)] Iwata T. **Rinsho Hoshasen** 1981 Mar; 26(3):371–4 (Eng. Abstr.) **(Jpn)**

[Radioisotope teletherapy of disseminated esophageal cancer] Aliev BM, et al. **Med Radiol (Mosk)** 1982 Feb;27(2):12–7 (Eng. Abstr.) **(Rus)**

[Results of the use of variants of radiotherapy of esophageal cancer] Goldovenko GV. **Med Radiol (Mosk)** 1982 Feb; 27(2):17–21 (Eng. Abstr.) **(Rus)**

[Lessening radiation reactions by daily dose fractionation in lung and esophageal cancer] Mardynskil IuS, et al. **Med Radiol (Mosk)** 1982 Mar;27(3):73–7 (Eng. Abstr.) **(Rus)**

[Telegamma therapy methods in inoperable esophageal cancer] Sarkisian IuKh, et al. **Med Radiol (Mosk)** 1981 Nov; 26(11):3–6 (Eng. Abstr.) **(Rus)**

SECONDARY

Metastatic carcinoma of the prostate to the esophagus. Gore RM, et al. **Am J Gastroenterol** 1982 Jun;77(6):358–9

[Discontinuous lymphatic metastasis of a cardia cancer]

Hackl A, et al. **ROFO** 1982 Apr;136(4):476–8 **(Ger)**
[Esophageal metastasis from gingival cancer] Gyömbér Z, et al. **Fogorv Sz** 1981 Nov;74(11):343–4 **(Hun)**
[Mechanism of dissemination of cancer of the cardia to the esophagus] Rybakova NI, et al. **Khirurgiia (Mosk)** 1981 Sep;(9):18–21 **(Rus)**
[Spread of stomach cancer to the esophagus from the viewpoint of the roentgenologist, surgeon and morphologist] Kuznetsov AI. **Vopr Onkol** 1982;28(1):71–3 **(Rus)**

SURGERY

Inflammatory esophagogastric junction polyp. Croyle P, et al. **Am J Gastroenterol** 1981 Nov;76(5):438–40
laryngotracheal autograft: an alternate food conduit. Bell RM, et al. **Am J Surg** 1981 Sep;142(3):407–12
Endoscopic Nd: YAG laser therapy for carcinoma of the esophagus: a new palliative approach. Fleischer D, et al. **Am J Surg** 1982 Mar;143(3):280–3
Carcinoma of the thoracic esophagus. Results of one-stage surgery (271 cases). Maillet P, et al. **Am J Surg** 1982 May; 143(5):629–34
Esophagectomy without thoracotomy for carcinoma of the esophagus. Tryzelaar JF, et al. **Am J Surg** 1982 Apr; 143(4):486–9
Modern management of anastomotic leak after esophagogastrectomy. Wilson SE, et al. **Am J Surg** 1982 Jul;144(1):95–101
A radiological correlate for the feasibility of left thoracoabdominal esophagogastrectomy. Allison JG. **Am Surg** 1982 Aug;48(8):426–9
The Kirschner operation for cancer of the oesophagus. Mannell A. **Ann R Coll Surg Engl** 1982 Jul;64(4):256–9
Principles of surgical treatment for carcinoma of the esophagus: analysis of lymph node involvement. Akiyama H, et al. **Ann Surg** 1981 Oct;194(4):438–46
Esophagogastrectomy for adenocarcinoma of the cardia. Ten years' experience and current approach. Molina JE, et al. **Ann Surg** 1982 Feb;195(2):146–51
Carcinoma of the esophagus: twelve years' experience with a philosophy for palliation. Hankins JR, et al. **Ann Thorac Surg** 1982 May;33(5):464–72
Clinical efficacy of the stapled anastomosis in esophageal reconstruction. Sugimachi K, et al. **Ann Thorac Surg** 1982 Apr;33(4):374–8
Radical resection for cancer of the hypopharynx and cervical oesophagus with repair by stomach transposition. Harrison DF, et al. **Br J Surg** 1981 Nov;68(11):781–3
Intrathoracic gastric bypass for carcinoma of oesophagus found unresectable at exploration. Lam KH, et al. **Br J Surg** 1982 Feb;69(2):71–3
Primary adenoid cystic carcinoma of the esophagus. Allard M, et al. **Can J Surg** 1981 Jul;24(4):405–6
Studies on the causes of deaths from esophageal carcinoma. Isono K, et al. **Cancer** 1982 May 15;49(10):2173–9
Interstitial pulmonary infiltrate following combined therapy for esophageal carcinoma. Dunnick NR, et al. **Chest** 1982 Apr;81(4):453–6
Late results of surgical treatment in esophageal carcinoma and factors influencing prognosis. Li RM, et al. **Chin Med J [Engl]** 1981 Nov;94(11):729–32
Post-cricoid carcinoma: the place of visceral transposition. Stell PM, et al. **Clin Oncol** 1982 Mar;8(1):17–20
Carcinomas developing in the reconstructed esophagus. Akiyama H, et al. **Int Adv Surg Oncol** 1982;5:145–61
Mechanical sutures in operations for neoplasia of the alimentary tract. Steichen FM, et al. **Int Adv Surg Oncol** 1982;5:197–244
Freezing of the esophagus: histological changes and immunological response. Graña L, et al. **Int Surg** 1981 Oct-Dec;66(4):295–301
Success in the radical resection of esophageal cancer with artificial blood infusion: case report. Mitsuno T, et al. **Int Surg** 1981 Oct-Dec;66(4):355–8
Benign pedunculated intraluminal tumor of the esophagus. Tasaka Y, et al. **J Otolaryngol** 1982 Apr;11(2):111–5
Use of EEA stapler for substernal esophagogastric anastomosis in palliation of esophageal carcinoma. Mills SA. **J Thorac Cardiovasc Surg** 1981 Nov;82(5):801–4
Early detection and surgical treatment of esophageal carcinoma. Huang GJ. **Jpn J Surg** 1981;11(6):399–405
Ischemic stricture of the intrathoracic roux loop used for esophagoplasty. Petri A, et al. **Langenbecks Arch Chir** 1982; 357(1):63–9
Carcinoma of esophagus; life-long follow-up of 92 patients. Gordon W. **NY State J Med** 1982 Apr;82(5):720–2
Personal experience in the surgical management of carcinoma of the distal oesophagus, cardia, and pericardiac stomach. Caironi C, et al. **Panminerva Med** 1981 Jan-Mar;23(1):17–20
Myoepithelial construction of the thoracic esophagus. Keyes GR, et al. **Plast Reconstr Surg** 1982 Apr;69(4):683–9
A transabdominal method for the treatment of unresectable carcinoma of the esophagogastric junction. Hines JR. **Surg Gynecol Obstet** 1982 Aug;155(2):244–5
Jejunal loop bypass and fundoplication for malignant esophagobronchial fistula. Ong GB, et al. **Surg Gynecol Obstet** 1982 Feb;154(2):165–9
Comparison of the results of esophagectomy with and without a thoracotomy. Steiger Z, et al. **Surg Gynecol Obstet** 1981 Nov;153(5):653–6
Substernal gastric bypass for palliation of esophageal carcinoma: rationale and technique. Robinson JC, et al. **Surgery** 1982 Mar;91(3):305–11
Cervical gastrostomy in the surgical treatment of oesophageal cancer by reconstruction with the stomach. Barros JL. **Thorax** 1981 Nov;36(11):863–5
Surgical treatment of carcinoma of the oesophagus. Dark JF, et al. **Thorax** 1981 Dec;36(12):891–5
Palliative side-to-side oesophagogastrostomy for unresectable carcinoma of the oesophagus and cardia. Kwun K, et al. **Thorax** 1981 Jun;36(6):441–5
Surgery for carcinoma of the lower esophagus and cardia. Ellis FH Jr, et al. **World J Surg** 1981 Jul;5(4):527–33
Pharyngogastric anastomosis following pharyngolaryngoesophagectomy. Analysis of 157 cases. Lam KH, et al. **World J Surg** 1981 Jul;5(4):509–16
Resection of midesophageal carcinoma with esophagogastric anastomosis. McKeown KC. **World J Surg** 1981 Jul; 5(4):517–25
The Kirschner bypass operation--a palliation for complicated esophageal carcinoma. Roeher HD, et al. **World J Surg** 1981 Jul;5(4):543–6
Surgical treatment of hypopharyngeal and cervical esophageal cancer. Silver CE. **World J Surg** 1981 Jul; 5(4):499–507
Results of the Kirschner operation. Wong J, et al. **World J Surg** 1981 Jul;5(4):547–52
[Polypectomy during gastric endoscopy] Popov P. **Vutr Boles** 1982;21(2):51–5 (Eng. Abstr.) **(Bul)**
[Gastroesophageal anastomotic leakage following resection of carcinoma of the esophagus and gastric cardia—an analysis of 159 cases (author's transl)] Ping YM. **Chung Hua Chung Liu Tsa Chih** 1982 Feb;4(1):36–8 (Eng. Abstr.) **(Chi)**
[Experiences in prevention of anastomotic leakage after excision of carcinoma of esophagus and gastric cardia (author's transl)] Wang GQ. **Chung Hua Chung Liu Tsa Chih** 1982 Feb;4(1):39–41 (Eng. Abstr.) **(Chi)**
[Surgical treatment of 4,310 cases of carcinoma of the esophagus and gastric cardia (author's transl)] Zhang YD. **Chung Hua Chung Liu Tsa Chih** 1982 Feb;4(1):1–4 (Eng. Abstr.) **(Chi)**
[Results of surgical treatment of 3,155 cases of esophageal and cardiac carcinoma] Shao LF, et al. **Chung Hua Wai Ko Tsa Chih** 1982 Jan;20(1):19–22 **(Chi)**
[Postoperative diaphragmatic hernia following resection for carcinoma of the esophagus and gastric cardia: report of 15 cases (author's transl)] Wang GQ. **Chung Hua Wai Ko Tsa Chih** 1981 Sep;19(9):517–9 (Eng. Abstr.) **(Chi)**
[Inversion-stripping esophagectomy for middle and advanced stage esophageal carcinoma after 60 cobalt radiotherapy: report of 11 cases (author's transl)] Xin DY. **Chung Hua Wai Ko Tsa Chih** 1981 Dec;19(12):729–31 (Eng. Abstr.) **(Chi)**
[Surgical problems of malignant diseases of the oesophagus and the cardia in advanced age (author's transl)] Serý Z, et al. **Cesk Gastroenterol Vyz** 1982 Mar;36(2):70–80 (Eng. Abstr.) **(Cze)**
[Surgical treatment of oesophageal carcinoma. Experience between 1965 and 1980 (author's transl)] Anné T, et al. **Acta Chir Belg** 1982 Jul-Aug;(4):359–66 **(Dut)**
[Surgical treatment for esophageal neoplasms (author's transl)] Joosten HJ, et al. **Acta Chir Belg** 1982 Jul-Aug; (4):381–4 **(Dut)**
[Surgical treatment of esophageal neoplasms as Belsey approach (author's transl)] Lerut T, et al. **Acta Chir Belg** 1982 Jul-Aug;(4):367–71 (Eng. Abstr.) **(Dut)**
[Leiomyoma of the esophagus; resection or enucleation] Hoekstra HJ, et al. **Ned Tijdschr Geneeskd** 1981 Sep 5; 125(36):1450–3 (Eng. Abstr.) **(Dut)**
[Esocoloplasty for esophageal neoplasms (author's transl)] Ampe J, et al. **Acta Chir Belg** 1982 Jul-Aug;(4):385–8 **(Fre)**
[Radical surgery for cancer of the thoracic esophagus (author's transl)] Peracchia A, et al. **Acta Chir Belg** 1982 Jul-Aug;(4):355–8 **(Fre)**
[Current treatment of thoracic oesophageal carcinoma (author's transl)] Fekete F, et al. **Nouv Presse Med** 1982 Jan 16;11(2):111–4 (Eng. Abstr.) **(Fre)**
[Cancer of the lower oesophagus. One-stage subtotal oesophagectomy without thoracotomy and retrosternal gastroplasty (author's transl)] Rousseau D, et al. **Nouv Presse Med** 1982 May 8;11(21):1631–2 (Eng. Abstr.) **(Fre)**
[Gastric bypass in incurable esophageal cancer] Gamstätter G, et al. **Chirurg** 1982 Feb;53(2):93–7 (Eng. Abstr.) **(Ger)**
[Results and experiences with esophagectomy by blunt dissection] Kunath U. **Chirurg** 1981 Nov;52(11):706–13 (Eng. Abstr.) **(Ger)**
[Early diagnosis and surgical therapy of esophageal cancer] Huang GJ. **Internist (Berlin)** 1982 May;23(5):264–8 **(Ger)**
[The endoesophageal intubation--a favourable palliative operation of malignant stenoses in the esophagus-cardia-region? (author's transl)] Beck R, et al. **Langenbecks Arch Chir** 1982;356(3):167–73 (Eng. Abstr.) **(Ger)**
[Esophageal carcinoma: a one-time procedure with stomach transposition as a therapeutic concept (author's transl)] Funovics JM, et al. **Langenbecks Arch Chir** 1982; 357(1):53–62 (Eng. Abstr.) **(Ger)**
[Mechanical sutures in esophageal surgery (author's transl)] Kivelitz H, et al. **Langenbecks Arch Chir** 1981;355:455–7 (Eng. Abstr.) **(Ger)**
[Single and multiple-stage radical and palliative surgical procedures] Pichlmaier H. **Langenbecks Arch Chir** 1981; 355:69–72 **(Ger)**
[Is there any new development in the treatment and diagnosis of esophageal and cardial carcinoma? (author's transl)] Schreiber HW. **Langenbecks Arch Chir** 1981;355:43–4 (Eng. Abstr.) **(Ger)**
[Progress in the treatment of esophageal and cardial carcinomas (author's transl)] Siewert R. **Langenbecks Arch Chir** 1981;355:49–54 (Eng. Abstr.) **(Ger)**
[Resection of thoracic esophageal carcinoma and replacement with stomach (author's transl)] Steegmüller KW, et al. **Langenbecks Arch Chir** 1982;356(1):43–9 (Eng. Abstr.) **(Ger)**
[Abdomino-cervical esophagectomy] Stelzner F. **Langenbecks Arch Chir** 1981;355:63–8 (Eng. Abstr.) **(Ger)**
[The surgical treatment of esophageal cancer] Durst J. **Med Welt** 1981 Nov 27;32(48):1815–9 **(Ger)**
[Endoscopic tube implantation and cryosurgery in inoperable stenoses of the cardia and esophagus] Hild P, et al. **Med Welt** 1982 Feb 26;33(8):285–8 **(Ger)**
[Diagnosis of the functioning of an interposed part of the colon substituting part of the oesophagus after oesophageal resection (author's transl)] Brassow F, et al. **Rontgenblatter** 1981 Nov;34(11):434–7 (Eng. Abstr.) **(Ger)**
[Sound surgical procedures for the aged] Eckmann L. **Ther Umsch** 1981 Jan;38(1):32–8 (Eng. Abstr.) **(Ger)**
[Resection of intrathoracic oesophageal cancer by blunt dissection without thoracotomy (author's transl)] Roka R, et al. **Wien Klin Wochenschr** 1982 Jan 22;94(2):57–63 (Eng. Abstr.) **(Ger)**
[Surgically treated benign neurinoma of the esophagus] Bodoky A, et al. **Orv Hetil** 1982 Mar 21;123(12):731–3 **(Hun)**
[The Sweet operation. Personal experience] Caironi C, et al. **Arch Sci Med (Torino)** 1981 Oct-Dec;138(4):501–4 **(Ita)**
[2 cases of carcinoma of the esophagogastric junction] Mandurino S, et al. **Arch Sci Med (Torino)** 1981 Oct-Dec; 138(4):627–30 **(Ita)**
[Achalasia of the gastric tube in esophagoplasty using the Gavriliu technic (presentation of a clinical case)] Bardini R, et al. **Chir Ital** 1981 Aug;33(4):873–7 **(Ita)**
[Our experience in 6 cases of leiomyoma of the esophagus] Maggi G, et al. **Minerva Chir** 1981 Aug 15–31; 36(15–16):1035–42 (Eng. Abstr.) **(Ita)**
[Treatment of gastrointestinal polyposis. Endoscopico-surgical considerations] Montori A, et al. **Minerva Chir** 1981 Dec 15–31;36(23–24):1579–81 **(Ita)**
[Endoscopic polypectomy of the upper digestive tract] Oselladore D, et al. **Minerva Chir** 1980 Dec 15–31; 35(23–24):1861–2 **(Ita)**
[Cancer at the cervico-thoracic junction of the esophagus. Report of a case (author's transl)] Yokoyama M, et al. **Nippon Jibiinkoka Gakkai Kaiho** 1982 May;85(5):518–23 (Eng. Abstr.) **(Jpn)**
[Esophagojejunal derivation in advanced cardioesophageal cancer] Abrão A, et al. **AMB** 1981 Jun;27(6):190–2 (Eng. Abstr.) **(Por)**
[Spinocellular carcinoma of the esophagus. Experience in 56 cases] Ziliotto Júnior A, et al. **AMB** 1981 Sep;27(9):253–6 (Eng. Abstr.) **(Por)**
[Anti-infection immunity during combined treatment of esophageal cancer] Kochetkova VA, et al. **Khirurgiia (Mosk)** 1981 Nov;(11):16–9 (Eng. Abstr.) **(Rus)**
[One-stage resection of the cardia and esophagus with delayed extracavitary neck anastomosis in cancer] Peterson BE, et al. **Khirurgiia (Mosk)** 1982 May;5:29–32 **(Rus)**
[Program in the preoperative preparation of esophageal and cardial cancer patients] Ganul VL, et al. **Klin Khir** 1982 May;(5):7–11 (Eng. Abstr.) **(Rus)**
[Treatment of cancer of the cervical and upper thoracic portions of the esophagus (review of the Soviet and foreign literatures)] Stoliarov IV, et al. **Vestn Khir** 1982 Apr; 128(4):141–5 (37 ref.) **(Rus)**
[Surgical treatment of malignant tumors of the esophagus and cardia] Gerzić Z. **Srp Arh Celok Lek** 1981 Jan; 109(1):15–29 **(Sce)**
[Esophageal stripping (esophagectomy without thoracotomy)] López Gibert J, et al. **Rev Esp Enferm Apar Dig** 1982 Apr;61(4):305–12 **(Spa)**
[Indications, technic and results of digital transhiatal esophagectomy without thoracotomy] Moreno González E, et al. **Rev Esp Enferm Apar Dig** 1981 Dec;60(6):533–58 (Eng. Abstr.) **(Spa)**

THERAPY

Parenteral nutrition in esophageal cancer patients. Daly JM, et al. **Ann Surg** 1982 Aug;196(2):203–8
Carcinoma of the esophagus. Observations of 40 years. Parker EF, et al. **Ann Surg** 1982 May;195(5):618–23
Malignant oesophageal strictures: a review of techniques for palliative intubation. Earlam R, et al. **Br J Surg** 1982 Feb; 69(2):61–8 (110 ref.)
The consequences and effectiveness of intubation in the

palliation of dysphagia due to benign and malignant strictures affecting the oesophagus. Pfleiderer AG, et al. **Br J Surg** 1982 Jun;69(6):356–8

A controlled, prospective, randomized trial evaluating the metabolic effects of enteral and parenteral nutrition in the cancer patient. Burt ME, et al. **Cancer** 1982 Mar 15; 49(6):1092–105

Carcinoma of the esophagus. Therapeutic combinations, controversies and compromises. Schuchmann GF. **Chest** 1982 Apr;81(4):400–1

Unusual cause of Celestin tube obstruction: internal hernia of the latex wall -- report of three cases. Papazian A, et al. **Endoscopy** 1982 Jan;14(1):22–3

Management of carcinoma of oesophagus: art or science? Wong J. **J R Coll Surg Edinb** 1981 May;26(3):138–49

Problems in esophageal bypass for unresectable carcinoma of the thoracic esophagus. Sugimachi K, et al. **J Thorac Cardiovasc Surg** 1982 Jul;84(1):62–5

Combination therapy of esophageal carcinoma with radiation and bleomycin. Asakawa H, et al. **Tohoku J Exp Med** 1981 Aug;134(4):417–24

Intubation in the treatment of carcinoma of the esophagus. Angorn IB. **World J Surg** 1981 Jul;5(4):535–41

[Combined effect of hyperthermia and radiation on esophageal cancer cells and tissues in vitro (author's transl)] Ge M, et al. **Chung Hua Chung Liu Tsa Chih** 1980 Dec; 2(4):251–4 (Eng. Abstr.) **(Chi)**

[Multicenter randomized study comparing preoperative radiotherapy with surgery only in cases of resectable oesophageal cancer (author's transl)] Gignoux M, et al. **Acta Chir Belg** 1982 Jul–Aug;(4):373–9 **(Fre)**

[The present status of radiotherapy and combined modality in the treatment of esophageal carcinoma (author's transl)] Scherer E, et al. **Langenbecks Arch Chir** 1981;355:73–6 (Eng. Abstr.) **(Ger)**

[The Celestin tube in neoplastic obstruction of the esophagus] Ziskind Z, et al. **Harefuah** 1981 Aug;101(3–4):51–3 (Eng. Abstr.) **(Heb)**

[Endoscopic palliative treatment of cancer of the esophagus] Foco A, et al. **Minerva Chir** 1982 May 15;37(9):839–44 **(Ita)**

[Treatment of cancer of the esophagus] Shiraha S. **Nippon Geka Hokan** 1981 Sep 1;50(5):647–8 **(Jpn)**

[Effect of adoptive immunotherapy with autologous bone marrow graft and thymostimulin on the immunity system of malignant neoplasm patients] Grinevich IuA, et al. **Klin Khir** 1982 May;(5):33–6 (Eng. Abstr.) **(Rus)**

[Results of combined chemo- and radiotherapy of esophageal cancer] Azhigaliev NA, et al. **Vopr Onkol** 1982;28(8):35–40 **(Rus)**

[Effect of gamma therapy on liver function in the combined treatment of cancer of the cardia and esophagus] Evtiukhin AI, et al. **Vopr Onkol** 1982;28(6):17–22 (Eng. Abstr.) **(Rus)**

[Esophageal intubation as a palliative treatment for cancer of the esophagus] Moreno González-Bueno C, et al. **Rev Esp Enferm Apar Dig** 1981 Jun;59(6):661–71 (Eng. Abstr.) **(Spa)**

ULTRASTRUCTURE

Transmission electron microscopy of human oesophageal carcinomas. Robinson KM, et al. **J Pathol** 1981 Oct; 135(2):97–109

Surface features of normal and neoplastic human esophageal cells in vivo and in vitro. Robinson KM, et al. **Scan Electron Microsc** 1981;(Pt 2):213–22

Fine structure of a malignant hemangioendothelioma of the esophagus. Llombart-Bosch A, et al. **Virchows Arch [Pathol Anat]** 1981;391(1):107–15

[Ultrastructure of esophageal epithelium under normal conditions and in dysplastic foci] Kolycheva NI, et al. **Arkh Patol** 1982;44(2):34–41 (Eng. Abstr.) **(Rus)**

ESOPHAGEAL PERFORATION

Esophageal perforation. Michel L, et al. **Ann Thorac Surg** 1982 Feb;33(2):203–10 (79 ref.)

[Perforations of the oesophagus (author's transl)] Hermanns PM, et al. **Rontgenblatter** 1982 Jul;35(7):257–63 (32 ref.) (Eng. Abstr.) **(Ger)**

COMPLICATIONS

[Perforation of esophageal cancer (author's transl)] Segol P, et al. **Acta Chir Belg** 1982 Jul–Aug;(4):405–9 (Eng. Abstr.) **(Fre)**

[Iatrogenic perforation of the esophagus above the diaphragm with mediastinal abscess and right pleural empyema. Apropos of a case diagnosed and treated on the 16th day] Beuret D, et al. **Rev Med Suisse Romande** 1981 Jun; 101(6):469–73 **(Fre)**

[Study of 58 intrathoracic complications in 166 accidental or iatrogenic esophageal injuries] Besson A, et al. **Schweiz Med Wochenschr** 1981 Oct 24;111(43):1602–7 (Eng. Abstr.) **(Fre)**

DIAGNOSIS

Esophageal perforation: its early diagnosis and treatment. Elleson DA, et al. **Laryngoscope** 1982 Jun;92(6 Pt 1):678–80

[Elevated pleural fluid diastase in the diagnosis of spontaneous esophageal perforation] Pines A, et al. **Harefuah** 1982 Feb 15;102(4):153–4 (Eng. Abstr.) **(Heb)**

ETIOLOGY

Oesophageal perforation with fracture dislocation of cervical spine due to hyperextension injury. Agha FP, et al. **Br J Radiol** 1982 May;55(653):369–72

Complications of esophageal dilation and guidelines for their prevention. Tulman AB, et al. **Gastrointest Endosc** 1981 Nov;27(4):229–34 (43 ref.)

Spontaneous laceration of the midesophagus. Buhac I, et al. **South Med J** 1982 Jul;75(7):858–9

[Instrumental perforations of the esophagus] Manchev I, et al. **Khirurgiia (Sofiia)** 1981;34(4):332–5 (Eng. Abstr.) **(Bul)**

[Iatrogenic injury of the esophagus] den Otter G. **Ned Tijdschr Geneeskd** 1982 Jul 17;126(29):1297–300 **(Dut)**

[Esophageal perforation during tracheal intubation. Report on 6 cases. (author's transl)] Andreassian B, et al. **Ann Otolaryngol Chir Cervicofac** 1982;99(1–2):35–40 (Eng. Abstr.) **(Fre)**

[On conservative treatment of complications following cervical oesophagus perforation by foreign bodies (author's transl)] Szmeja Z, et al. **Otolaryngol Pol** 1981;35(4–6):303–7 (Eng. Abstr.) **(Pol)**

[Case of esophageal perforation during gastroscopy] Kowalewski R. **Wiad Lek** 1981 Jun 15;34(12):1017–20 (Eng. Abstr.) **(Pol)**

[Esophageal rupture after intake of natural products] Edström S, et al. **Lakartidningen** 1982 Apr 14;79(15):1478–9 **(Swe)**

MORTALITY

Perforation of the oesophagus [letter] Rose JD, et al. **Br J Surg** 1982 Feb;69(2):118

PATHOLOGY

Case records of the Massachusetts General Hospital. Weekly clinicopathological exercises. Case 32–1982. A 65-year-old man with dysphagia and dilatation of the esophagus. **N Engl J Med** 1982 Aug 12;307(7):426–33

PREVENTION & CONTROL

Esophageal perforation and endoscopy [letter] Scapa E. **Dig Dis Sci** 1982 Sep;27(9):862

RADIOGRAPHY

Spontaneous intramural perforation of the esophagus: case report and review of the literature. Berliner L, et al. **Am J Gastroenterol** 1982 Jun;77(6):355–7

Hypopharyngeal perforation from blunt trauma. Maxwell SL Jr, et al. **J Can Assoc Radiol** 1981 Sep;32(3):178–9

Reappraisal of contrast media used to detect upper gastrointestinal perforations: comparison of ionic water-soluble media with barium sulfate. Foley MJ, et al. **Radiology** 1982 Jul;144(2):231–7

SURGERY

Esophageal perforations: a 15 year experience. Goldstein LA, et al. **Am J Surg** 1982 Apr;143(4):495–503

Esophageal perforations after forceful dilatation in achalasia. Slater G, et al. **Ann Surg** 1982 Feb;195(2):186–8

Esophageal perforation [letter] Thompson NW. **Arch Surg** 1982 Jul;117(7):982

Management of esophageal perforation with a pedicled jejunal patch. Mutton T, et al. **Curr Surg** 1981 Sep–Oct; 38(5):318–21

Management of instrumental perforations of the esophagus. Sarr MG, et al. **J Thorac Cardiovasc Surg** 1982 Aug; 84(2):211–8

Management of oesophageal perforation associated with benign stricture and hiatus hernia by oesophagoplasty and fundoplication. Cooper DK. **Thorax** 1981 Jul;36(7):541–2

[Operative tactical procedure in esophageal lesions] Stilianu L, et al. **Chirurg** 1981 Dec;52(12):783–5 (Eng. Abstr.) **(Ger)**

[Esophageal perforation] Janssen CW Jr. **Tidsskr Nor Laegeforen** 1981 Nov 10;101(31):1759–61 (Eng. Abstr.) **(Nor)**

THERAPY

Perforation of the oesophagus: experience in a general hospital. Banks JG, et al. **Br J Surg** 1981 Aug;68(8):580–4

Conservative management of cervical esophageal perforations in the neonate. O'Meara OP, et al. **Crit Care Med** 1982 Feb;10(2):127–9

Selective management of iatrogenic esophageal perforation in the newborn. Mollitt DL, et al. **J Pediatr Surg** 1981 Dec;16(6):989–93

[Management of instrumental oesophageal perforations (author's transl)] Fiasse R, et al. **Acta Gastroenterol Belg** 1981 Sep–Oct;44(9–10):430–47 (Eng. Abstr.) **(Fre)**

[Conservative treatment of esophageal perforations] Nygaard K. **Tidsskr Nor Laegeforen** 1981 Nov 10;101(31):1761–3 (Eng. Abstr.) **(Nor)**

VETERINARY

What is your diagnosis? Cellulitis and subcutaneous emphysema from a ruptured esophagus. DeBowes RM, et al. **J Am Vet Med Assoc** 1982 Apr 1;180(7):781–2

ESOPHAGEAL REFLUX

Gastroesophageal reflux. Pathogenesis, diagnosis, and therapy. Richter JE, et al. **Ann Intern Med** 1982 Jul; 97(1):93–103 (113 ref.)

New concepts and methods in the study and treatment of gastroesophageal reflux disease. Johnson LF. **Med Clin North Am** 1981 Nov;65(6):1195–222 (78 ref.)

[Gastro-oesophageal reflux--what if physiological? (author's transl)] Weiser HF, et al. **Dtsch Med Wochenschr** 1982 Mar 12;107(10):366–70 (Eng. Abstr.) **(Ger)**

BLOOD

[Serum gastrin level, oesophageal sphincter pressure, gastro-oesophageal reflux and symptoms of reflux (author's transl)] Pflücke F, et al. **Dtsch Z Verdau Stoffwechselkr** 1982;42(2–3):48–52 (Eng. Abstr.) **(Ger)**

COMPLICATIONS

Aortoesophageal fistula secondary to reflux esophagitis. Cronen P, et al. **Ann Thorac Surg** 1982 Jan;33(1):78–80

Maternal nutrition in pregnancy [letter] Reynolds R. **Can Med Assoc J** 1982 Mar 1;126(5):465–6

Further investigation of the association between gastroesophageal reflux and bronchoconstriction. Spaulding HS Jr, et al. **J Allergy Clin Immunol** 1982 Jun; 69(6):516–21

Gastroesophageal reflux and apnea [letter] Leape LL, et al. **J Pediatr** 1982 Sep;101(3):481

Reflux esophagitis: a cause of globus. Weisskopf A. **Otolaryngol Head Neck Surg** 1981 Sep–Oct;89(5):780–2

Asthma and reflux [letter] Stein MR. **Pediatrics** 1982 Mar; 69(3):384

Gastric acid secretion, oesophageal acid reflux, and oesophagitis in patients with symptomatic gastro-oesophageal reflux. Matikainen M. **Scand J Gastroenterol** 1981;16(8):1043–8

Hiatus-hernia with and without reflux-disease. Bartelheimer H. **Tokai J Exp Clin Med** 1982 Jan;7(1):1–6

[Surgical treatment of esophageal peptic stricture in the adult (author's transl)] Baulieux J, et al. **Gastroenterol Clin Biol** 1981 Dec;5(12):1169–75 (Eng. Abstr.) **(Fre)**

[Gastroesophageal reflux in patients with infectious-allergic bronchial asthma] Stonkus VV, et al. **Klin Med (Mosk)** 1981 Dec;59(12):48–52 (Eng. Abstr.) **(Rus)**

[Preventive medicine in hiatal hernia] Berjón Rufes JJ. **Rev Esp Enferm Apar Dig** 1981 Jun;59(6):701–8 (Eng. Abstr.) **(Spa)**

[Barrett's esophagus and primary adenocarcinoma of the esophagus] Seco JL, et al. **Rev Esp Enferm Apar Dig** 1981 May;59(5):617–26 **(Spa)**

DIAGNOSIS

The use of oesophageal pH-monitoring for the evaluation of gastrooesophageal reflux after resection of the cardia and total gastrectomy. Orel J, et al. **Acta Chir Iugosl** 1981; 28(2):203–9

Gastroesophageal reflux in children. Herbst JJ, et al. **Adv Pediatr** 1981;28:159–86 (100 ref.)

Cystic fibrosis mistaken for gastroesophageal reflux [letter] Sagoll RJ. **Am J Dis Child** 1982 Mar;136(3):279

Evaluation and management of diseases of the esophagus. Meyer GW, et al. **Am J Otolaryngol** 1981 Nov;2(4):336–44 (46 ref.)

Gastroesophageal reflux in children: an underrated disease. Curci M, et al. **Am J Surg** 1982 Apr;143(4):413–6

Twenty-four hour esophageal pH monitoring by telemetry. Cost-effective use in outpatients. Falor WH, et al. **Am J Surg** 1981 Oct;142(4):514–6

Interpretation of the Bernstein test: a reappraisal of criteria. Winnan GR, et al. **Ann Intern Med** 1982 Mar;96(3):320–2

Gastroesophageal reflux observed on flow/volume loop? [letter] Robbins DW. **Chest** 1982 Jun;81(6):772

Bronchial obstruction after oesophageal acid perfusion in asthmatics. Kjellén G, et al. **Clin Physiol** 1981 Jun; 1(3):285–92

In support of the clinical usefulness of lower esophageal sphincter pressure determination. Meyer GW, et al. **Dig Dis Sci** 1981 Nov;26(11):1028–31

Is measurement of lower esophageal sphincter pressure clinically useful? Pope CE 2d. **Dig Dis Sci** 1981 Nov; 26(11):1025–7

Postcibal gastroesophageal reflux in children. Jolley SG, et al. **J Pediatr Surg** 1981 Aug;16(4):487–90

Gastro-oesophageal reflux in children [editorial] **Lancet** 1982 Jan 16;1(8264):144–5

On the use of monocrystalline antimony pH electrodes in gastro-oesophageal functional disorders. Ask P, et al. **Med Biol Eng Comput** 1982 May;20(3):383–9

The 24-hour intra-esophageal pH Monitoring Test in the diagnosis of gastroesophageal reflux. Klementschitsch P, et al. **Neth J Surg** 1982 May;34(2):57–62

Gastroesophageal reflux in children: a clinical review. Berquist WE. **Pediatr Ann** 1982 Jan;11(1):135–42

Fetal swallowing and regurgitation: observation of normal and abnormal activity. Bowie JD, et al. **Radiology** 1982 Sep;144(4):877–8

Diagnosis and management of gastroesophageal reflux in children. Ochoa JB. **Surg Annu** 1981;13:123–37 (59 ref.)

Diagnosis and treatment of symptomatic gastroesophageal

reflux. Manier JW. **W Va Med J** 1981 Nov;76(11):295–8
[Infant esophageal pH monitoring (author's transl)] Gille P, et al. **Chir Pediatr** 1982 Mar–Apr;23(2):69–72 (Eng. Abstr.) **(Fre)**
[Evaluation of esophageal tests in the diagnosis of gastro–esophageal reflux in adult (author's transl)] Galmiche JP, et al. **Gastroenterol Clin Biol** 1981 Nov; 5(11):1014–25 (73 ref.) **(Fre)**
[Symptoms disclosing gastro–esophageal reflux in the neonatal period: study of a series of 100 cases] Narcy P, et al. **J Fr Otorhinolaryngol** 1981 Nov;30(9):571–3 **(Fre)**
[Gastro–esophageal reflux] Müller–Linssner SA, et al. **Dtsch Med Wochenschr** 1981 Oct 9;106(41):1325–8 **(Ger)**
[Clinical picture and differential diagnosis of esophageal reflux and hiatal hernia complex] Duda M, et al. **Dtsch Z Verdau Stoffwechselkr** 1980;40(6):209–18 (Eng. Abstr.) **(Ger)**
[Lower oesophageal sphincter pressure and gastrooesophageal reflux (author's transl)] Pflücke F, et al. **Dtsch Z Verdau Stoffwechselkr** 1982;42(2–3):41–7 (Eng. Abstr.) **(Ger)**
[Reflux disease and gastric acid secretion] Pflücke F, et al. **Z Gesamte Inn Med** 1982 Jan 1;37(1):19–21 (Eng. Abstr.) **(Ger)**
[Teletransmitted esophageal pH measurement] Andreoli F, et al. **Minerva Chir** 1982 Mar 31;37(6):547–50 (Eng. Abstr.) **(Ita)**
[Significance of endoscopy in the diagnosis of gastropathies and duodenogastric reflux] De Salvo L, et al. **Minerva Dietol Gastroenterol** 1982 Jan–Mar;28(1):39–41 (Eng. Abstr.) **(Ita)**
[Postresection reflux gastritis] Utkin VV, et al. **Khirurgiia (Mosk)** 1982 Mar;(3):65–7 **(Rus)**

DRUG THERAPY

Gastro–oesophageal reflux in children [letter] Tolia V, et al. **Lancet** 1982 Mar 27;1(8274):738–9
[Treatment of gastro–esophageal reflux using a potable gaviscon suspension] Guerre J, et al. **Med Chir Dig** 1982; 11(4):289–95 **(Fre)**
[Therapy of esophageal reflux disease] Rösch W. **Dtsch Med Wochenschr** 1982 Mar 12;107(10):389–91 **(Ger)**
[The effect of neostigmine and atropine on gastro–oesophageal reflux (author's transl)] Pflücke VF, et al. **Dtsch Z Verdau Stoffwechselkr** 1981;41(6):270–5 (Eng. Abstr.) **(Ger)**
[Gastritis, stomach ulcer, reflux diseases. Motility effective therapy with Motilium] Heinkelein J. **ZFA (Stuttgart)** 1982 Jun 30;58(18):1028–30 **(Ger)**

ETIOLOGY

Lower esophageal sphincter pressure as an index of gastroesophageal acid reflux. Ahtaridis G, et al. **Dig Dis Sci** 1981 Nov;26(11):993–8
Achalasia cardia. Padmanabhan AS, et al. **Indian Pediatr** 1981 Jul;18(7):487–8
Gastroesophageal reflux in the morbidly obese. Procter CD, et al. **J Ky Med Assoc** 1981 Mar;79(3):146–8
Complications of gastroesophageal reflux in patients with cystic fibrosis. Bendig DW, et al. **J Pediatr** 1982 Apr; 100(4):536–40
The phreno–pyloric syndrome in symptomatic gastroesophageal reflux. Rode H, et al. **J Pediatr Surg** 1982 Apr;17(2):152–7
The impact of autonomic nervous system dysfunction on breathing during sleep. Guilleminault C, et al. **Sleep** 1981 Sep;4(3):263–78
Lower esophageal sphincter and the gastroesophageal antireflux mechanism. Laitinen ST, et al. **World J Surg** 1981 Nov;5(6):845–53
[Lung function and gastroesophageal reflux during chronic bronchitis (author's transl)] David P, et al. **Bull Eur Physiopathol Respir** 1982 Jan–Feb;18(1):81–6 (Eng. Abstr.) **(Fre)**
[Gastroesophageal reflux in asthmatic children] Mira Navarro J, et al. **Allergol Immunopathol (Madr)** 1981 Jul–Aug; 9(4):289–94 (Eng. Abstr.) **(Spa)**

FAMILIAL & GENETIC

Familial lower esophageal rings [letter] Longstreth GF. **N Engl J Med** 1982 Aug 12;307(7):443

PHYSIOPATHOLOGY

Body position and esophageal sphincter pressure in infants. Byrne WJ, et al. **Am J Dis Child** 1982 Jun;136(6):523–5
Interaction of lower esophageal sphincter pressure and length of sphincter in the abdomen as determinants of gastroesophageal competence. O'Sullivan GC, et al. **Am J Surg** 1982 Jan;143(1):40–7
Miniature antimony pH electrodes for measuring gastroesophageal reflux. Jones RD, et al. **Ann Thorac Surg** 1982 May;33(5):491–5
Effect of truncal vagotomy on functional and morphological changes produced by duodenogastric reflux. Thomas WE. **Dig Dis Sci** 1982 Jul;27(7):609–14
The lower esophageal sphincter in gastroesophageal reflux in children. Herbst JJ, et al. **J Clin Gastroenterol** 1979 Jun; 1(2):119–23
The antireflux mechanism [letter] Silber W. **J Clin Gastroenterol** 1982 Jun;4(3):288
Movement and gastroesophageal reflux in awake term infants with 'near miss' SIDS, unrelated to apnea. Ariagno RL, et al. **J Pediatr** 1982 Jun;100(6):894–7
Delayed gastric emptying with gastroesophageal reflux [letter] Weyrauch KF. **J Pediatr** 1981 Oct;99(4):669–70
The significance of gastroesophageal reflux patterns in children. Jolley SG, et al. **J Pediatr Surg** 1981 Dec; 16(6):859–65
Gastro–oesophageal reflux in children [letter] Blumenthal I. **Lancet** 1982 Feb 20;1(8269):461
The role of the esophageal body in the antireflux mechanism. Joelsson BE, et al. **Surgery** 1982 Aug;92(2):417–24
Relation between esophagogastric junction and esophageal function in patients with reflux esophagitis. Harasawa S, et al. **Tokai J Exp Clin Med** 1982 Mar;7(2):187–99
[Gastroesophageal reflux and pregnancy: an unresolved physiopathological enigma] Galmiche JP, et al. **Gastroenterol Clin Biol** 1982 May;6(5):421–3 **(Fre)**
[Reflux disease and sphincter pressure] Pflücke F, et al. **Dtsch Z Verdau Stoffwechselkr** 1981;41(5):234–40 (Eng. Abstr.) **(Ger)**
[Reproducibility of oesophageal sphincter pressure and gastrooesophageal reflux (author's transl)] Pflücke F. **Dtsch Z Verdau Stoffwechselkr** 1982;42(1):1–6 (Eng. Abstr.) **(Ger)**
[Gastroesophageal reflux] Müller–Lissner SA, et al. **Med Monatsschr Pharm** 1982 Jun;5(6):165–71 **(Ger)**
[Gastroesophageal reflux and gastric secretion] Pflücke F, et al. **Z Gesamte Inn Med** 1982 Feb 1;37(3):87–91 (Eng. Abstr.) **(Ger)**
[Manometric changes in the superior esophageal sphincter in patients with gastroesophageal reflux] Ruiz de León San Juan A, et al. **Rev Esp Enferm Apar Dig** 1982 Jul; 62(1):28–32 (Eng. Abstr.) **(Spa)**

PREVENTION & CONTROL

Cricoid pressure—a more comfortable technique [letter] Cowling J. **Anaesth Intensive Care** 1982 Feb;10(1):93–4
Cimetidine and related drugs in anesthesia. Manchikanti L, et al. **Anesth Analg (Cleve)** 1982 Jul;61(7):595–608 (132 ref.)
Pretreatment with nondepolarizing muscle relaxant does not decrease gastric regurgitation following succinylcholine [letter] Smith G. **Anesthesiology** 1982 May;56(5):408–9
Effect of posture on gastro–oesophageal reflux in the newborn. Blumenthal I, et al. **Arch Dis Child** 1982 Jul; 57(7):555–6
Gastric valve designed to avoid the gastroesophageal reflux. An experimental study in dogs. Blanco–Benavides R, et al. **Arch Invest Med (Mex)** 1982;13(1):23–7 **(Eng, Spa)**
[Anti–reflux technic in myotomy of the cardia for cardial achalasia] Foggi E, et al. **Acta Biomed Ateneo Parmense** 1982;53(2):95–103 **(Ita)**
[Trends in the prevention and treatment of cardial insufficiency] Tajana A, et al. **Minerva Chir** 1982 Mar 15; 37(5):497–500 **(Ita)**
[Experimental studies on anti–reflux effect of various operations for achalasia of the esophagus (author's transl)] Ono T. **Nippon Kyobu Geka Gakkai Zasshi** 1981 Nov; 29(11):1715–27 (Eng. Abstr.) **(Jpn)**

RADIOGRAPHY

Correlation of double–contrast radiography and endoscopy in reflux esophagitis. Lähde S, et al. **Diagn Imaging** 1981; 50(5):255–8
Mega–aeroesophagus in children: a sign of gastroesophageal reflux. Swischuk LE, et al. **Radiology** 1981 Oct;141(1):73–6
A new, tubeless radiological test for duodenogastric reflux. Keet AD. **S Afr Med J** 1982 Jan 16;61(3):78–81

RADIONUCLIDE IMAGING

Bile diversion after total gastrectomy. Donovan IA, et al. **Br J Surg** 1982 Jul;69(7):389–90
Radionuclide assessment in nocturnal asthma. Greyson ND, et al. **Clin Nucl Med** 1982 Jul;7(7):318–9
Gastroesophageal scintiscanning in children. Piepsz A, et al. **J Nucl Med** 1982 Jul;23(7):631–2
Gastro–oesophageal scintiscanning in children. Piepsz A, et al. **Pediatr Radiol** 1981;11(2):71–4
Esophageal scintigraphy (milk scans) in infants and children with gastroesophageal reflux. Heyman S. **Radiology** 1982 Sep;144(4):891–3
The evaluation of gastroesophageal reflux before and after medical therapies. Malmud LS, et al. **Semin Nucl Med** 1981 Jul;11(3):205–15
Radionuclide studies of esophageal transit and gastroesophageal reflux. Malmud LS, et al. **Semin Nucl Med** 1982 Apr;12(2):104–15

SURGERY

Surgical treatment of gastroesophageal reflux with esophageal stricture in infancy and childhood. Berlatzky Y, et al. **Am J Surg** 1982 Feb;143(2):205–8
An alternative fundoplicative maneuver for gastroesophageal reflux. Boutelier P, et al. **Am J Surg** 1982 Feb;143(2):260–4
Gastric emptying and gastroesophageal reflux. Effects of surgery and correlation with esophageal motor function. Velasco N, et al. **Am J Surg** 1982 Jul;144(1):58–62
Gastric ulceration after fundic wrapping. Vagal nerve entrapment, a possible causative factor. Herrington JL Jr, et al. **Ann Surg** 1982 May;195(5):574–81
Treatment of symptomatic gastroesophageal reflux using the Angelchik prosthesis. Starling JR, et al. **Ann Surg** 1982 Jun;195(6):686–91
The combined Collis–Nissen operation: early assessment of reflux control. Orringer MB, et al. **Ann Thorac Surg** 1982 Jun;33(6):534–9
Gastroplasty with partial or total plication for gastroesophageal reflux: manometric and pH–metric postoperative studies. París F, et al. **Ann Thorac Surg** 1982 Jun;33(6):540–8
Treating GI reflux with a prosthesis. Shaw LM. **AORN J** 1982 Jun;35(7):1303–8
Slipped Nissen's fundoplication: a stitch in time. Hoffmann TH, et al. **Arch Surg** 1981 Sep;116(9):1239
Conservative surgery for peptic oesophageal strictures. Cabré–Martínez CA, et al. **Br J Surg** 1982 Sep;69(9):520–2
Gastric ulceration after fundoplication for gastro–oesophageal reflux. Gay RJ, et al. **Ir J Med Sci** 1982 Jun;151(6):190–1
Effectiveness of Nissen fundoplication for gastroesophageal reflux in children as measured by 24–hour intraesophageal pH monitoring. Berquist WE, et al. **J Pediatr Surg** 1981 Dec;16(6):872–5
Paraesophageal hernia: a major complication of Nissen's fundoplication. Festen C. **J Pediatr Surg** 1981 Aug; 16(4):496–9
Surgical selection of infants with gastroesophageal reflux. Johnson DG, et al. **J Pediatr Surg** 1981 Aug;16(4 Suppl 1):587–94
The need for evaluation of gastroesophageal reflux in brain–damaged children referred for feeding gastrostomy. Wesley JR, et al. **J Pediatr Surg** 1981 Dec;16(6):866–71
Surgical treatment of gastrooesophageal reflux in severely mentally retarded children. Spitz L. **J R Soc Med** 1982 Jul;75(7):525–9
Treatment of gastroesophageal reflux in children by Thal fundoplication. Ashcraft KW, et al. **J Thorac Cardiovasc Surg** 1981 Nov;82(5):706–12
Penetration into the stomach. A complication of the antireflux prosthesis. Lackey C, et al. **JAMA** 1982 Jul 16; 248(3):350
Intra–abdominal migration of an antireflux prosthesis. A cause of bizarre pain. Peloso OA. **JAMA** 1982 Jul 16; 248(3):351–3
Perimeter and location of the muscular gastroesophageal junction or 'cardia' in control subjects and in patients with reflux esophagitis or achalasia. Csendes A, et al. **Scand J Gastroenterol** 1981;16(7):951–6
Simplified isolation of the median arcuate ligament for posterior gastropexy. Warshaw AL. **Surg Gynecol Obstet** 1982 May;154(5):732–3
Gastroesophageal reflux in the severely retarded who vomit: criteria for and results of surgical intervention in twenty–two patients. Byrne WJ, et al. **Surgery** 1982 Jan; 91(1):95–8
[Re–operation after surgery for functional impairement of the oesophagocardial junction (author's transl)] SERý Z, et al. **Cas Lek Cesk** 1982 Apr 9;121(14):421–7 (Eng. Abstr.) **(Cze)**
[Duodenal ulcer and esophageal reflux] Serý Z, et al. **Cesk Gastroenterol Vyz** 1981 Aug;35(6):265–75 (Eng. Abstr.) **(Cze)**
[Repeated surgery of esophageal reflux] Serý Z, et al. **Rozhl Chir** 1980 Nov;59(11):740–6 (Eng. Abstr.) **(Cze)**
[Angelchiks prosthesis in the treatment of gastro–oesophageal reflux and hiatus hernia: an evaluation (author's transl)] Boutelier P, et al. **Chirurgie** 1981 Jun;107(7):485–7 (Eng. Abstr.) **(Fre)**
[Treatment by means of the Roux–en–Y operation of patients with gastro–esophageal reflux unimproved by previous surgery (author's transl)] Hollender LF, et al. **Chirurgie** 1981 Feb;107(2):139–45 (Eng. Abstr.) **(Fre)**
[Effects of fundoplication on the lower oesophageal sphincter; pre– and post–operative manometric studies (author's transl)] Segol P, et al. **Gastroenterol Clin Biol** 1982 Mar;6(3):222–8 (Eng. Abstr.) **(Fre)**
[A schematic comparative study of four procedures for correcting gastroesophageal reflux by way of the abdomen (author's transl)] Vankemmel M. **J Chir (Paris)** 1982 Apr; 119(4):295–301 (Eng. Abstr.) **(Fre)**
[Postoperative syndromes after surgery for termination of esophageal reflux (author's transl)] Witte J, et al. **Leber Magen Darm** 1982 Apr;12(2):38–42 (Eng. Abstr.) **(Ger)**
[Dor's fundoplication. Evaluation of results] Bedoni P, et al. **Minerva Chir** 1982 May 15;37(9):787–91 **(Ita)**
[Surgical treatment of hiatal hernia and of gastroesophageal reflux. (2) Other operations] Casolo P. **Minerva Chir** 1980 Dec 15–31;35(23–24):1845–52 (70 ref.) **(Ita)**
[Correlative aspects of esophageal and gastroduodenal motility. New therapeutic prospects in the disease caused by gastro–esophageal reflux] Mattioli F, et al. **Minerva Chir** 1982 Feb 28;37(4):261–8 **(Ita)**
[Surgical treatment of hiatal hernia and gastroesophageal reflux using the Nissen operation] Monti GF. **Minerva Chir** 1980 Dec 15–31;35(23–24):1835–40 **(Ita)**
[Surgical treatment of hiatal hernia and gastroesophageal reflux in adults using an Angelchik antireflux prosthesis] Olivero S, et al. **Minerva Chir** 1981 Nov 15;36(21):1383–90 (Eng. Abstr.) **(Ita)**
[Surgical treatment of hiatal hernia and gastroesophageal

reflux. The modified Toupet technic] Peracchia A, et al. **Minerva Chir** 1980 Dec 15-31;35(23-24):1841-4 **(Ita)**

[Treatment of gastro-esophageal reflux and hiatal hernia with Angelchik's prosthesis. Preliminary note] Bernardini R, et al. **Minerva Dietol Gastroenterol** 1982 Apr-Jun; 28(2):137-41 (Eng. Abstr.) **(Ita)**

[Reflux esophagitis caused by hiatal hernia. Electromanometic study of the lower esophageal sphincter and reflux test before and after surgical treatment] Gama-Rodrigues JJ, et al. **Rev Hosp Clin Fac Med Sao Paulo** 1981 Feb;36(1):13-7 (Eng. Abstr.) **(Por)**

THERAPY

Management of gastro-oesophageal reflux. Whelan G. **Aust NZ J Med** 1982 Feb;12(1):90-6

Effectiveness of positioning therapy for gastroesophageal reflux. Meyers WF, et al. **Pediatrics** 1982 Jun;69(6):768-72

Gastroesophageal reflux in infants and children. Recognition and treatment. Johnson DG, et al. **Surg Clin North Am** 1981 Oct;61(5):1101-15

Scleroderma reflux esophagitis [letter] Silber W. **Surgery** 1982 May;91(5):606

[Functional esophageal pathology and therapy with acupuncture and reflexotherapy. Initial therapeutic results] Roccia L, et al. **Minerva Med** 1981 Sep 15;72(33):2215-22 **(Ita)**

[Notes on the use of the Angelchik-Cohen ring] Ruffo A, et al. **Minerva Med** 1982 Feb 11;73(5):171-4 (Eng. Abstr.) **(Ita)**

ESOPHAGEAL SPHINCTER see **ESOPHAGOGASTRIC JUNCTION**

ESOPHAGEAL STENOSIS

CHEMICALLY INDUCED

Convulsions and possible spasm of the lower oesophageal sphincter in a fatal case of propranolol intoxication. Laake K, et al. **Acta Med Scand** 1981;210(1-2):137-8

Non-steroidal anti-inflammatory drugs and benign oesophageal stricture. Heller SR, et al. **Br Med J [Clin Res]** 1982 Jul 17;285(6336):167-8

Lye ingestion. Clinical patterns and therapeutic implications. Oakes DD, et al. **J Thorac Cardiovasc Surg** 1982 Feb; 83(2):194-204

Oesophageal stricture associated with emepronium bromide therapy. Fellows IW, et al. **Postgrad Med J** 1982 Jan; 58(675):43-4

[Accidental poisoning with liquid or solid caustic soda for domestic use: circumstances and costs (author's transl)] Furon D, et al. **Ann Pediatr (Paris)** 1981 Nov;28(9):685-6 (Eng. Abstr.) **(Fre)**

[Surgical management of pharyngeal, laryngeal, tracheal and esophageal injuries and strictures caused by caustic lye solution] Petri A, et al. **Orv Hetil** 1981 Oct 4; 122(40):2479-80 **(Hun)**

[Lesions of the esophagus caused by caustics] Fersini M, et al. **Minerva Chir** 1982 Feb 28;37(4):325-32 **(Ita)**

[Experience of the '23 August' ORL Children's Clinic in corrosive esophagitis in children] Ciurea M, et al. **Rev Chir [Otorinolaringol]** 1981 Jul-Sep;26(3):199-206 (Eng. Abstr.) **(Rum)**

[Morbidity caused by acute poisoning with caustic substances] Szabó V, et al. **Rev Chir [Otorinolaringol]** 1981 Oct-Dec;26(4):279-85 **(Rum)**

[Esophago-gastric burns caused by acid caustics] Jitariu I, et al. **Rev Med Chir Soc Med Nat Iasi** 1981 Jul-Sep; 85(3):463-7 (Eng. Abstr.) **(Rum)**

[Chemical injuries to the esophagus] Glotov VA. **Khirurgiia (Mosk)** 1982 Mar;(3):38-42 (Eng. Abstr.) **(Rus)**

[Esophageal obstruction after intake of bulk laxatives] Lydén E, et al. **Lakartidningen** 1981 Dec 2;78(49):4456-7 (Eng. Abstr.) **(Swe)**

COMPLICATIONS

Hiccups: an occasional sign of esophageal obstruction. Kaufmann HJ. **Gastroenterology** 1982 Jun;82(6):1443-5

Management of oesophageal perforation associated with benign stricture and hiatus hernia by oesophagoplasty and fundoplication. Cooper DK. **Thorax** 1981 Jul;36(7):541-2

CONGENITAL

Congenital stenosis of the esophagus [letter] Acosta JC. **Gastrointest Endosc** 1981 Aug;27(3):197-8

Congenital oesophageal stenosis. Kolandaivelu G, et al. **Indian J Chest Dis Allied Sci** 1981 Jul-Sep;23(3):151-3

Tracheobronchial and pancreatic remnants causing esophageal stenosis. Briceño LI, et al. **J Pediatr Surg** 1981 Oct;16(5):731-2

Congenital oesophageal stenosis caused by tracheobronchial structures in the oesophageal wall. Ibrahim NB, et al. **Thorax** 1981 Jun;36(6):465-8

Choristoma: esophageal stenosis, due to tracheobronchial remnants. Tubino P, et al. **Z Kinderchir** 1982 Jan;35(1):14-7

[A rare form of congenital esophageal stenosis: abortive esophageal atresia (author's transl)] Hélardot PG, et al. **Chir Pediatr** 1982 Mar-Apr;23(2):73-4 (Eng. Abstr.) **(Fre)**

DIAGNOSIS

The safety of combined endoscopy, biopsy and dilation in esophageal strictures. Barkin JS, et al. **Am J Gastroenterol** 1981 Jul;76(1):23-6

Endoscopic retrograde cannulation of the esophagus (ERCE) [letter] Salom IL, et al. **Gastrointest Endosc** 1981 Aug; 27(3):198

Zollinger-Ellison syndrome presenting as reflux esophagitis and stricture. Ramakrishnan T. **J La State Med Soc** 1981 Dec;133(12):189-90

Caustic agent ingestion calls for esophagoscopy [news] Korcok M. **JAMA** 1982 Jul 23;248(4):409

Schatzki ring in a newborn. Klein MD, et al. **Pediatrics** 1981 Dec;68(6):884-5

[Endoscopic diagnosis and therapy of benign esophageal stenosis in children] Friedrichs O. **Med Welt** 1982 Jun 25; 33(25):914-6 **(Ger)**

ETIOLOGY

Idiopathic mediastinal fibrosis. A case of oesophageal obstruction treated by partial oesophagolysis. Albrechtsen D, et al. **Acta Chir Scand** 1981;147(3):219-22

Tracheal or esophageal compression due to benign thyroid disease. Alfonso A, et al. **Am J Surg** 1981 Sep;142(3):350-4

Abnormalities of the aortic arch system compressing the oesophagus and trachea. Price DA, et al. **Aust Paediatr J** 1982 Mar;18(1):46-52

Oesophageal stricture due to reflux oesophagitis in pregnancy. Case report. Swinhoe JR, et al. **Br J Obstet Gynaecol** 1981 Dec;88(12):1249-51

Clinical manifestations of epidermolysis bullosa dystrophica. Johnston DE, et al. **Dig Dis Sci** 1981 Dec;26(12):1144-9

Esophageal involvement in pemphigoid: clinical and roentgen manifestations. Agha FP, et al. **Gastrointest Radiol** 1982; 7(2):109-12

Oesophageal strictures induced by herbal preparations. Anyanwu CH, et al. **Trans R Soc Trop Med Hyg** 1981; 75(6):864-8

[Cancer of pancreas as a cause of oesophagus stenosis (author's transl)] Kment M, et al. **Cesk Gastroenterol Vyz** 1981 Oct;35(7):327-30 (Eng. Abstr.) **(Cze)**

[Rings and membranes of the esophagus] Janisch HD, et al. **Internist (Berlin)** 1982 Jan;23(1):19-22 **(Ger)**

[Diagnosis and differential therapy of benign esophageal stenosis] Manegold BC. **Internist (Berlin)** 1982 May; 23(5):257-63 **(Ger)**

[Cicatricial strictures of esophageal anastomoses] Petrovskii BV, et al. **Khirurgiia (Mosk)** 1981 Sep;(9):3-8 (Eng. Abstr.) **(Rus)**

[Total stop in esophagus after intake of natural products] Ahlman H. **Lakartidningen** 1982 Apr 14;79(15):1479 **(Swe)**

PATHOLOGY

[Morphology of postburn cicatricial stenosis of the esophagus: examination of specimens obtained at spot biopsy] Adil'gereeva LKh, et al. **Arkh Patol** 1982; 44(5):30-4 (Eng. Abstr.) **(Rus)**

[Causes of death in cicatricial esophageal obstruction] Sapozhnikov MA. **Arkh Patol** 1982;44(1):59-63 (Eng. Abstr.) **(Rus)**

PREVENTION & CONTROL

[A new method for the prevention of complications following esophago-gastrostomy of esophago-jejunostomy] Cilingiroglu HK, et al. **Zentralbl Chir** 1982;107(7):413-7 **(Ger)**

RADIOGRAPHY

The radiology of oesophageal tubes for malignant strictures. Lipinski JK, et al. **Clin Radiol** 1982 Jul;33(4):453-9

Radiologic detection and spectrum of appearances of peptic esophageal strictures. Ott DJ, et al. **J Clin Gastroenterol** 1982 Feb;4(1):11-5

[New method of double contrast examination of the esophagus (author's transl)] Szenes T, et al. **ROFO** 1981 Oct;135(4):441-5 (Eng. Abstr.) **(Ger)**

SURGERY

Surgical treatment of gastroesophageal reflux with esophageal stricture in infancy and childhood. Berlatzky Y, et al. **Am J Surg** 1982 Feb;143(2):205-8

Esophageal replacement in infants and children by colon interposition. Campbell JR, et al. **Am J Surg** 1982 Jul; 144(1):29-34

Intrathoracic fundoplication for shortened esophagus. Treacherous solution to a challenging problem. Richardson JD, et al. **Am J Surg** 1982 Jan;143(1):29-35

The surgical treatment of combined corrosive pharyngeal and oesophageal stricture. Ti TK. **Ann Acad Med Singapore** 1981 Apr;10(2):151-6

Colon interposition for advanced nonmalignant esophageal stricture: experience with 40 patients. Mansour KA, et al. **Ann Thorac Surg** 1981 Dec;32(6):584-91

Benign strictures of the esophagus. Bremner CG. **Curr Probl Surg** 1982 Aug;19(8):401-89 (207 ref.)

Palliative endoscopic treatment of malignant esophageal stenosis using a Häring prosthesis. Balmes JL, et al. **Digestion** 1982;23(1):31-8

Composite hyoid-sternohyoid graft in the correction of established subglottic stenosis. Freeland AP. **J R Soc Med** 1981 Oct;74(10):729-35

The dangers of oesophageal intubation in the management of corrosive strictures of the oesophagus. Case reports. de Keuleneer R, et al. **S Afr Med J** 1981 Nov 7;60(19):756-8

Jejunal interposition for reflux esophagitis and esophageal stricture unresponsive to valvuloplasty [letter] Gergely M. **World J Surg** 1982 May;6(3):377-8

A review of 40 cases of benign stricture of the esophagus treated surgically. Hadjistylianos G, et al. **World J Surg** 1981 Sep;5(5):713-4

[Schatzki's ring] Bollerslev J. **Ugeskr Laeger** 1982 Apr 26; 144(17):1228-9 (Eng. Abstr.) **(Dan)**

[The esophageal tube inserted under endoscopic radiologic control] Buess G, et al. **Chirurg** 1981 Dec;52(12):763-8 (Eng. Abstr.) **(Ger)**

[Results and experiences with esophagectomy by blunt dissection] Kunath U. **Chirurg** 1981 Nov;52(11):706-13 (Eng. Abstr.) **(Ger)**

[The endoesophageal intubation--a favourable palliative operation of malignant stenoses in the esophagus-cardia-region? (author's transl)] Beck R, et al. **Langenbecks Arch Chir** 1982;356(3):167-73 (Eng. Abstr.) **(Ger)**

[Endoscopic tube implantation and cryosurgery in inoperable stenoses of the cardia and esophagus] Hild P, et al. **Med Welt** 1982 Feb 26;33(8):285-8 **(Ger)**

[Dumping syndrome after esophagoplasty using the jejunum] Rosińska T, et al. **Med Welt** 1981 Oct 9;32(41):1520-2 **(Ger)**

[Endoscopic sphincterectomy: technique, indications, contraindications, complications and early results] Garbarini A, et al. **Minerva Chir** 1982 Feb 15;37(3):161-6 (Eng. Abstr.) **(Ita)**

[Modified esophagoplasty in cicatricial esophageal strictures] Al'perovich BI. **Khirurgiia (Mosk)** 1981 Sep;(9):112-3 **(Rus)**

[Plastic surgery of the thoracic segment of the esophagus with the stomach tissue] Voronov AA, et al. **Vestn Khir** 1981 Sep;127(9):12-6 **(Rus)**

[Surgical therapy of peptic stenosis] Gómez N, et al. **Acta Gastroenterol Latinoam** 1981;11(3):359-73 (Eng. Abstr.) **(Spa)**

[Conservative surgery of stenosing peptic esophagitis secondary to hiatal hernia, with special reference to the anatomic repair of the hiatus] De Miguel J. **Rev Esp Enferm Apar Dig** 1981 Nov;60(5):433-8 (Eng. Abstr.) **(Spa)**

THERAPY

Selective management of benign esophageal strictures. Dooner J, et al. **Am J Gastroenterol** 1982 Mar;77(3):172-7

Non-operative management of oesophageal strictures: dilatation with bougies. Whelan G. **Aust Fam Physician** 1981 Jun;10(6):477-8

Conservative surgery for peptic oesophageal strictures. Cabré-Martínez CA, et al. **Br J Surg** 1982 Sep;69(9):520-2

Benign oesophageal strictures: historical and technical aspects of dilatation. Earlam R, et al. **Br J Surg** 1981 Dec; 68(12):829-36

Malignant oesophageal strictures: a review of techniques for palliative intubation. Earlam R, et al. **Br J Surg** 1982 Feb; 69(2):61-8 (110 ref.)

The consequences and effectiveness of intubation in the palliation of dysphagia due to benign and malignant strictures affecting the oesophagus. Pfleiderer AG, et al. **Br J Surg** 1982 Jun;69(6):356-8

Intraluminal pressures generated during esophageal bougienage. Kozarek RA, et al. **Gastroenterology** 1981 Nov; 81(5):833-7

Results of conservative treatment of benign esophageal strictures: a follow-up study in 100 patients. Wesdorp IC, et al. **Gastroenterology** 1982 Mar;82(3):487-93

A modified technique for peroral placement of an esophageal prosthesis. Minami H, et al. **Gastrointest Endosc** 1982 May; 28(2):95-7

Complications of esophageal dilation and guidelines for their prevention. Tulman AB, et al. **Gastrointest Endosc** 1981 Nov;27(4):229-34 (43 ref.)

Oesophageal self-bougienage [letter] Gilmore IT, et al. **Lancet** 1982 Mar 13;1(8272):620-1

Fibreoptic endoscopic palliative intubation of inoperable oesophageal strictures. Coleman MJ, et al. **Med J Aust** 1981 Jul 11;2(1):33-4

Intubation of inoperable tumours of the oesophagogastric junction. Moll FL, et al. **Neth J Surg** 1982 Mar;34(1):8-12

[Treatment of peptic stenosis of the esophagus. Conservative techniques (author's transl)] Maillet P, et al. **Acta Chir Belg** 1982 Jul-Aug;(4):345-53 (Eng. Abstr.) **(Fre)**

[Surgical treatment of esophageal peptic stricture in the adult (author's transl)] Baulieux J, et al. **Gastroenterol Clin Biol** 1981 Dec;5(12):1169-75 (Eng. Abstr.) **(Fre)**

[Diagnosis and differential therapy of malignant esophageal stenosis] Tytgat GN. **Internist (Berlin)** 1982 May; 23(5):251-6 **(Ger)**

[The Celestin tube in neoplastic obstruction of the esophagus] Ziskind Z, et al. **Harefuah** 1981 Aug;101(3-4):51-3 (Eng. Abstr.) **(Heb)**

[Endoscopic esophageal intubation: technic, indications,

contraindications and complications] Foco A, et al. **Minerva Chir** 1982 Feb 15;37(3):133–52 (Eng. Abstr.) **(Ita)**

[Treatment of benign esophageal stenosis by prolonged dilatation] Mazure PA, et al. **Medicina (B Aires)** 1981; 41(3):273–86 (Eng. Abstr.) **(Spa)**

[Esophageal intubation as a palliative treatment for cancer of the esophagus] Moreno González-Bueno C, et al. **Rev Esp Enferm Apar Dig** 1981 Jun;59(6):661–71 (Eng. Abstr.) **(Spa)**

VETERINARY

Oesophageal resection and anastomosis as a treatment for oesophageal stricture in the horse. Suann CJ. **Equine Vet J** 1982 Apr;14(2):163–4

Vascular ring caused by a left aortic arch, right ligamentum arteriosum and part of the right dorsal aorta in a cat. van der Linde-Sipman JS, et al. **Zentralbl Veterinarmed [A]** 1981;28(7):569–73

ESOPHAGEAL VARICES

CLASSIFICATION

Prediction of variceal hemorrhage by esophageal endoscopy. Beppu K, et al. **Gastrointest Endosc** 1981 Nov;27(4):213–8

[Classification of esophageal varices – endoscopic and clinical aspects (author's transl)] Spech HJ, et al. **Leber Magen Darm** 1982 Jun;12(3):109–14 (59 ref.) (Eng. Abstr.) **(Ger)**

COMPLICATIONS

Pregnancy and esophageal varices. Britton RC. **Am J Surg** 1982 Apr;143(4):421–5

Extra-hepatic portal hypertension: the significance of variceal haemorrhage. Aoyama K, et al. **Aust Paediatr J** 1982 Mar;18(1):17–22

Upper gastrointestinal hemorrhage from downhill esophageal varices. Fleig WE, et al. **Dig Dis Sci** 1982 Jan;27(1):23–7

Epistaxis: an overlooked diagnosis in presumed variceal bleeding. Farkas PS, et al. **J Clin Gastroenterol** 1982 Feb; 4(1):49–51

Gastrointestinal bleeding after abrupt cessation of propranolol administration in cirrhosis [letter] Lebrec D, et al. **N Engl J Med** 1982 Aug 26;307(9):560

Hemostatic suture of the stomach for the treatment of massive hemorrhage due to esophageal varices. Romero-Torres R. **Surg Gynecol Obstet** 1981 Nov;153(5):710–2

Results of surgical management of hemorrhagic gastritis in patients with gastroesophageal varices. Sarfeh IJ, et al. **Surg Gynecol Obstet** 1982 Aug;155(2):167–70

[Rupture of oesophageal varices in the cirrhotic patient – emergency treatment and measures (author's transl)] Mosimann R. **Praxis** 1981 Sep 29;70(40):1751–3 (Eng. Abstr.) **(Fre)**

[Emergency treatment of bleeding esophageal varices in cirrhotic patients] Bosco L, et al. **Chir Ital** 1981 Jun; 33(3):704–11 **(Ita)**

[Hemodynamic aspects of hemorrhages caused by esophageal varices and their surgical implications] Troiani R, et al. **Minerva Chir** 1982 May 15;37(9):823–30 (Eng. Abstr.) **(Ita)**

[Digestive hemorrhage (caused by rupture of esophageal varices) and myocardial infarct] Terribile V, et al. **Pathologica** 1980 Sep-Oct;72(1021):613–9 (Eng. Abstr.) **(Ita)**

[Gastric changes associated with esophageal varices in fiberoptic examinations] Kozdronkiewicz Z, et al. **Wiad Lek** 1982 Jan 1;35(1):11–4 (Eng. Abstr.) **(Pol)**

DIAGNOSIS

[Endoscopic demonstration and importance of proximal esophageal varices] Bretzke G, et al. **Z Gesamte Inn Med** 1981 Dec 1;36(23):936–8 (Eng. Abstr.) **(Ger)**

DRUG THERAPY

Injection sclerotherapy of esophageal varices using ethanolamine oleate. Hedberg SE, et al. **Am J Surg** 1982 Apr;143(4):426–31

Sclerotherapy of oesophageal varices using the fibreoptic endoscope. Yassin YM, et al. **J R Coll Surg Edinb** 1981 Nov;26(6):328–34

Sclerotherapy in bleeding oesophageal varices [letter] **Lancet** 1982 Feb 13;1(8268):400

Early treatment of esophageal varices [letter] Dickinson RJ, et al. **Lancet** 1982 Aug 14;2(8294):393

Controlled trial of terlipressin ('Glypressin') versus vasopressin in the early treatment of oesophageal varices. Freeman JG, et al. **Lancet** 1982 Jul 10;2(8289):66–8

Increased long-term survival in variceal haemorrhage using injection sclerotherapy. Results of a controlled trial. MacDougall BR, et al. **Lancet** 1982 Jan 16;1(8264):124–7

Sclerotherapy of esophageal varices. Dawson JL, et al. **Prog Liver Dis** 1982;7:629–35

Intravenous versus superior mesenteric artery vasopressin infusions for the treatment of variceal bleeding. Burgener FA, et al. **Radiology** 1982 Mar;142(3):769–72

Injection sclerotherapy of esophageal varices for patients undergoing emergency and elective surgery. Takase Y, et al. **Surgery** 1982 Sep;92(3):474–9

[Morphological findings in the distal end of the oesophagus after sclerosis of bleeding varices (author's transl)] Hamm B, et al. **Dtsch Med Wochenschr** 1982 Feb 26;107(8):293–8 (Eng. Abstr.) **(Ger)**

[Radiographic evaluation of esophageal varices after sclerosing therapy] Kołakowski L, et al. **Pol Tyg Lek** 1981 Jul 13;36(28):1055–7 (Eng. Abstr.) **(Pol)**

[Fiberendoscopic sclerosis of esophageal varices: results in 31 cases] Segal EG, et al. **Acta Gastroenterol Latinoam** 1981;11(3):345–9 (Eng. Abstr.) **(Spa)**

ETIOLOGY

Idiopathic esophageal varices. Kelsen K, et al. **Am J Gastroenterol** 1982 Aug;77(8):539–40

Esophageal varices in Nairobi, Kenya: a study of 68 cases. De Cock KM, et al. **Am J Trop Med Hyg** 1982 May;31(3 Pt 1):579–88

'Downhill' varices; a cause of upper gastrointestinal hemorrhage. Kelly TR, et al. **Am Surg** 1982 Jan;48(1):35–8

Histiocytic lymphoma presenting with portal hypertension and bleeding esophageal varices: a case report. Salem PA, et al. **J Surg Oncol** 1982 May;20(1):37–40

Portal hypertension after successful Kasai's operation for biliary atresia--special reference to esophageal varices. Todani T, et al. **Z Kinderchir** 1981 Nov;34(3):240–8

[Portal hypertension, size of esophageal varices, risk of gastrointestinal bleeding, extra-hepatic uptake of 99m technetium phytate in cirrhotic patients (author's transl)] Bretagne JF, et al. **Gastroenterol Clin Biol** 1982 May; 6(5):467–71 (Eng. Abstr.) **(Fre)**

[Esophageal varices in recurrent struma] Lagemann K, et al. **Med Welt** 1981 Dec 11;32(50):1920–1 **(Ger)**

[Recurring esophageal varices hermorrhaging without portal hypertension] Peter H, et al. **MMW** 1982 May 7; 124(18):455–6 **(Ger)**

[A case of vasculo-Behçet with esophageal downhill varices (author's transl)] Suzuki H, et al. **Nippon Shokakibyo Gakkai Zasshi** 1982 Jan;79(1):93–6 **(Jpn)**

[Pressure of the inferior esophageal sphincter in hepatic cirrhosis: pathogenic role in bleeding esophageal varices] Stanciu C, et al. **Rev Med Chir Soc Med Nat Iasi** 1981 Apr-Jun;85(2):293–5 (Eng. Abstr.) **(Rum)**

[Disorders of the mechanism of organ regulation of fibrinolysis in the pathogenesis of hemorrhagic syndrome in liver cirrhosis] Bratchik AM. **Ter Arkh** 1982;54(2):62–7 (Eng. Abstr.) **(Rus)**

MORTALITY

Variceal hemorrhage: a critical evaluation of survival analysis. Smith JL, et al. **Gastroenterology** 1982 May;82(5 Pt 1):968–73

PATHOLOGY

Morphological changes in the terminal oesophagus with varices, following sclerosis of the wall. Helpap B, et al. **Endoscopy** 1981 Nov;13(6):229–33

Morphometric study of the esophageal mucosa in cirrhotic patients with variceal bleeding. Ponce J, et al. **Hepatology** 1981 Nov-Dec;1(6):641–6

PHYSIOPATHOLOGY

Nonaggressive assessment of portal hypertension using endoscopic measurement of variceal pressure. Preliminary report. Mosimann R. **Am J Surg** 1982 Feb;143(2):212–4

Portal pressure and variceal bleeding [letter] Danovitch SH. **Gastroenterology** 1982 Jul;83(1 Pt 1):158–9

Hypercoagulability in acute esophageal variceal bleeding. Hiller E, et al. **Thromb Res** 1981 May 1;22(3):243–51

[Measurement of pressure of esophageal varices by bloodless endoscopic approach] Mosimann R. **Helv Chir Acta** 1981 Apr;48(1-2):261–4 **(Fre)**

RADIOGRAPHY

Upper esophageal varices: report of three cases and review of the literature. Glanz S, et al. **Am J Gastroenterol** 1982 Mar;77(3):194–8

Paraesophageal varices mimicking a mediastinal tumor. Takayasu K, et al. **J Clin Gastroenterol** 1982 Apr;4(2):163–6

Mediastinal mass in a patient with liver disease. Dunn V, et al. **JAMA** 1982 Apr 2;247(13):1873–4

Effect of lower oesophageal sphincter on oesophageal varices. A portographic study. Miskowiak J, et al. **Scand J Gastroenterol** 1981;16(7):957–60

[Huge paraesophageal varices misdiagnosed as a mediastinal tumor (author's transl)] Takayasu K, et al. **Nippon Shokakibyo Gakkai Zasshi** 1981 Dec 1; 78(12):2412–6 **(Jpn)**

SURGERY

Distal splenorenal shunt. Hemodynamic advantage over total shunt and influence on clinical status, hepatic function and hypersplenism. Marni A, et al. **Am J Surg** 1981 Sep; 142(3):372–6

Transhepatic embolization in patients with acute variceal hemorrhage. Turner WW Jr, et al. **Am J Surg** 1981 Dec; 142(6):731–4

Factors predicting survival after portosystemic shunt. Kerstein MD, et al. **Am Surg** 1982 Jan;48(1):32–4

Comparison of the major variceal decompressive operations: one surgeon's experience. Sarfeh IJ. **Am Surg** 1982 Jun; 48(6):261–3

Interposition mesocaval shunt for bleeding oesophageal varices in moderate and poor risk cirrhotics. Järvinen H, et al. **Ann Chir Gynaecol** 1981;70(2):45–9

Comparison of distal and proximal splenorenal shunts: a randomized prospective trial. Fischer JE, et al. **Ann Surg** 1931 Oct;194(4):531–44

A modified Sugiura procedure. Ginsberg RJ, et al. **Ann Thorac Surg** 1982 Sep;34(3):258–64

Death after portal decompressive surgery. Physiologic state, metabolic adequacy, and the sequence of development of the physiologic determinants of survival. Siegel JH, et al. **Arch Surg** 1981 Oct;116(10):1330–41

The acute treatment of haemorrhage from oesophageal varices: a comparison of oesophageal transection and staple gun anastomosis with mesocaval shunt. Osborne DR, et al. **Br J Surg** 1981 Oct;68(10):734–7

The Sugiura procedure for bleeding esophageal varices: a modification. Ginsberg RJ, et al. **Can J Surg** 1982 May; 25(3):325–7

Distal splenorenal shunts (Warren's operation) B-mode and real time ultrasonographic assessment. Abdel Wahab MF, et al. **Egypt J Bilharz** 1979;6(1-2):21–4

Six years' experience of oesophageal transection for oesophageal varices, using a circular stapling gun. Johnston GW. **Gut** 1982 Sep;23(9):770–3

Distal splenorenal shunt vs. portal-systemic shunt: current status of a controlled trial. Conn HO, et al. **Hepatology** 1981 Mar-Apr;1(2):151–60

A new surgical approach for the treatment of massive hemorrhage due to esophageal varices. Romero-Torres R. **J Cardiovasc Surg (Torino)** 1981 Nov-Dec;22(6):555–60

The distal splenorenal shunt in the management of bleeding varices. Henderson JM. **J R Coll Surg Edinb** 1982 May; 27(3):130–41

A new stapling technique in esophageal mucosal transection. Hirashima T, et al. **Jpn J Surg** 1982;12(2):160–2

The Hooper Memorial Lecture: vistas in the management of bleeding esophageal varices. Johnson G Jr. **NC Med J** 1982 May;43(5):353–7

Surgical treatment of esophageal varices in portal hypertension. Goto A, et al. **Nippon Geka Hokan** 1981 Jan 1;50(1):212–8

Radiographic findings in the esophagus following the Sugiura procedure. Greenspan R, et al. **Radiology** 1982 Jul; 144(2):245–7

Semi-elective portal systemic shunts for variceal bleeding. Archie JP Jr, et al. **South Med J** 1981 Oct;74(10):1211–2

Management of bleeding esophageal varices [editorial] Malt RA. **West J Med** 1982 Feb;136(2):143–5

Operations for management of esophageal variceal hemorrhage. Rikkers LF. **West J Med** 1982 Feb; 136(2):107–21 (108 ref.)

Evaluation of surgical treatment for esophageal varices. Hirashima T, et al. **World J Surg** 1981 Sep;5(5):715–6

Minute liver cancer and concomitant esophageal varices: detection and successful surgical treatment. Kanematsu T, et al. **World J Surg** 1981 Sep;5(5):707–11

[Postsplenectomy hemorrhage from ruptured esophagus varices in late schistosomiasis: analysis of 314 cases (author's transl)] Huang FJ. **Chung Hua Wai Ko Tsa Chih** 1980 Apr;18(2):172–3 **(Chi)**

[Transthoracic esophagus transsection for bleeding esophageal varices (author's transl)] Linschoten H, et al. **Acta Chir Belg** 1982 Jul-Aug;(4):423–7 (Eng. Abstr.) **(Dut)**

[Surgical treatment of esophageal varices: thoracic esophageal ligation on a clip introduced by oral way (author's transl)] Berard P. **Acta Chir Belg** 1982 Jul-Aug; (4):417–21 **(Fre)**

[Portal disconnection of the esophagus for the control of bleeding esophageal varices in patients suffering from cirrhosis. Discussion of thirty-eight cases (author's transl)] Toumieux B. **Ann Chir** 1982 Jan;36(1):32–4 (Eng. Abstr.) **(Fre)**

[Esophagus ligation on murphy button in the management of bleeding esophageal varices in children (author's transl)] Harouchi A, et al. **Chir Pediatr** 1982 May-Jun;23(3):190–5 (Eng. Abstr.) **(Fre)**

[Hyperselective portal decompression: physiopathologic basis and preliminary results (apropos of 21 cases)] Vankemmel M. **Med Chir Dig** 1982;11(3):201–10 (Eng. Abstr.) **(Fre)**

[Resection-anastomosis of the supra-cardial esophagus for rupture of esophageal varices] Vankemmel M, et al. **Med Chir Dig** 1982;11(2):111–5 (Eng. Abstr.) **(Fre)**

[The distal splenorenal shunt] Kieninger G. **Chirurg** 1981 Nov;52(11):717–21 (Eng. Abstr.) **(Ger)**

[Results and experiences with esophagectomy by blunt dissection] Kunath U. **Chirurg** 1981 Nov;52(11):706–13 (Eng. Abstr.) **(Ger)**

[Results of the distal splenorenal Warren shunt (author's transl)] Funovics JM, et al. **Langenbecks Arch Chir** 1981; 354(2):81–8 (Eng. Abstr.) **(Ger)**

[Morphology of the lower esophagus after endoscopic varicosclerosation (author's transl)] Hansen H, et al. **Langenbecks Arch Chir** 1981;354(3):199–207 (Eng. Abstr.) **(Ger)**

[Mesentericocaval shunt after esophageal bleeding in patients with cirrhosis of the liver; results during a 10 year period (author's transl)] Paquet KJ, et al. **Leber Magen Darm** 1981

Dec;11(6):252–7 (Eng. Abstr.) **(Ger)**
[Azygos–portal disconnection according to the modified Sugiura method] Cucchiara G, et al. **Minerva Chir** 1982 Mar 15;37(5):401–4 **(Ita)**
[Resection–anastomosis with the EEA stapler for treatment of esophageal varices. Indications, technic and postoperative evaluation] Zannini G, et al. **Minerva Chir** 1982 Mar 15;37(5):339–46 **(Ita)**
[Portal hypertension and bleeding esophageal varices in children. Esophageal transection with paraesophagogastric devascularization versus shunting procedures (author's transl)] Belloli GP, et al. **Pediatr Med Chir** 1981 Jul–Aug; 3(4):263–8 (Eng. Abstr.) **(Ita)**
[Internal iliac–superior mesenteric vein anastomosis in portal hypertension] Wagner A, et al. **Pol Tyg Lek** 1981 May 25;36(21):771–2 (Eng. Abstr.) **(Pol)**
[Selective distal spleno–adrenal bypass. Unusual selective shunt option in hemorrhage caused by esophageal varices. Presentation of a case] Moreno González E, et al. **Rev Esp Enferm Apar Dig** 1981 Jun;59(6):709–12 (Eng. Abstr.) **(Spa)**

THERAPY

Injection sclerotherapy of bleeding oesophageal and gastric varices using a flexible endoscope. Stray N, et al. **Acta Med Scand** 1982;211(1–2):125–9
Treatment of esophageal varices by injection sclerotherapy. Terblanche J. **Adv Surg** 1981;15:257–91 (76 ref.)
Absolute ethanol in thrombotherapy of bleeding esophageal varices. Yune HY, et al. **AJR** 1982 Jun;138(6):1137–41
Treating esophageal varices with injection sclerotherapy. Gruber N, et al. **Am J Nurs** 1982 Aug;82(8):1214–6
Injection sclerotherapy for control of acute variceal hemorrhage. Lewis JW, et al. **Am J Surg** 1981 Nov; 142(5):592–5
Bleeding esophageal varices: treatment with vasopressin, transhepatic embolization and selective splenorenal shunting. Johnson WC, et al. **Ann Surg** 1982 Apr; 195(4):393–400
Acute bleeding varices: a five–year prospective evaluation of tamponade and sclerotherapy. Terblanche J, et al. **Ann Surg** 1981 Oct;194(4):521–30
Percutaneous transhepatic occlusion for bleeding oesophageal varices in polycystic disease. Laing IA, et al. **Arch Dis Child** 1981 Dec;56(12):954–63
Embolization of bleeding esophageal varices via umbilical vein. An alternative approach. Sparks FC, et al. **Arch Surg** 1982 Mar;117(3):354–8
Emergency transumbilical embolization of bleeding esophageal varices. Tauber JW, et al. **Arch Surg** 1982 May; 117(5):624–9
Simple endoscopic injection sclerotherapy of oesophageal varices. Harris OD, et al. **Aust NZ J Med** 1982 Apr; 12(2):131–5
Transhepatic injection of varices. Dick R. **Br J Hosp Med** 1981 Oct;26(4):340, 342–3, 345–7
Tamponade and injection sclerotherapy in the management of bleeding oesophageal varices. Barsoum MS, et al. **Br J Surg** 1982 Feb;69(2):76–8
The complications of injection sclerotherapy of bleeding oesophageal varices. Barsoum MS, et al. **Br J Surg** 1982 Feb;69(2):79–81
Injection sclerotherapy for oesophageal varices in children. Stamatakis JD, et al. **Br J Surg** 1982 Feb;69(2):74–5
'Currents and clots'--an approach to the problem of acute variceal bleeding. Taylor TV, et al. **Br J Surg** 1981 Oct; 68(10):692–6
An 8–year prospective experience with balloon tamponade in emergency control of bleeding esophageal varices. Hunt PS, et al. **Dig Dis Sci** 1982 May;27(5):413–6
Injection sclerotherapy of esophageal varices. Jorge AD. **Endoscopy** 1982 Jul;14(4):115–8
Prophylactic endoscopic sclerosing treatment of the esophageal wall in varices -- a prospective controlled randomized trial. Paquet KJ. **Endoscopy** 1982 Jan;14(1):4–5
Esophageal ulceration and bleeding after flexible fiberoptic esophageal vein sclerosis. Ayres SJ, et al. **Gastroenterology** 1982 Jul;83(1 Pt 1):131–6
Absence of disseminated intravascular coagulation with endoscopic sclerosis of esophageal varices. Gardner EC Jr, et al. **Gastrointest Endosc** 1982 May;28(2):67–9
Injection sclerosis of esophageal varices is without sound physiological basis [letter] Mann NS. **Gastrointest Endosc** 1982 May;28(2):116–7
Endoscopic injection sclerosis of esophageal varices: A/S/G/E survey [letter] Sivak MV Jr. **Gastrointest Endosc** 1982 Feb;28(1):41–2
Oesophageal varices treated by sclerotherapy: a histopathological study. Evans DM, et al. **Gut** 1982 Jul; 23(7):615–20
The value of endoscopic sclerotherapy of esophageal varices. Soehendra N. **Hepatogastroenterology** 1982 Feb;29(1):1–2
A case of acute esophageal variceal hemorrhage. Allison JG, et al. **J Clin Gastroenterol** 1982 Apr;4(2):183–7
Treatment of bleeding esophageal varices: less is more. Lee WM. **J Clin Gastroenterol** 1982 Apr;4(2):181–2
Bleeding esophageal varices: treatment by embolization and shunting. Nabseth DC, et al. **Jpn J Surg** 1981 Jan;11(1):8–14
Minilaparotomy for occlusion of coronary veins and control of varices. Goldman ML, et al. **Radiology** 1982 Sep; 144(4):924–6
Obliteration of gastrooesophageal collaterals in portal hypertension by means of ferromagnetic powder and a magnetic oesophageal tube. Animal experiment. Steinhart L, et al. **Sb Ved Pr Lek Fak Univ Karlovy** 1981;24(4):511–9
Acute and chronic management of esophageal varices by injection sclerotherapy. Hennessy TP, et al. **Surg Gynecol Obstet** 1982 Mar;154(3):375–7
Endoscopic sclerotherapy versus esophageal transection of Child's class C patients with variceal hemorrhage. Comparison with results of portacaval shunt: preliminary report. Cello JP, et al. **Surgery** 1982 Mar;91(3):333–8
[Sclerosis of oesophageal varices in children with portal hypertension (author's transl)] Höpner F. **Chir Pediatr** 1982 May–Jun;23(3):184–9 (Eng. Abstr.) **(Fre)**
[Distal splenorenal shunt (Warren type) in the treatment of digestive hemorrhage caused by rupture of esophageal varices] Maillard JN, et al. **Gastroenterol Clin Biol** 1981 Nov;5(11):1029–32 (Eng. Abstr.) **(Fre)**
[Rare complication of the Sengstaken–Blakemore balloon catheter : compression of the right bronchial stem (letter)] Manoli P, et al. **Gastroenterol Clin Biol** 1981 Nov; 5(11):1070–1 **(Fre)**
[Early measurement of portal pressure as a deciding factor in the treatment of ruptured oesophageal varices (author's transl)] Baulieux J, et al. **Nouv Presse Med** 1981 Oct 31; 10(39):3217–20 (Eng. Abstr.) **(Fre)**
[Conservative management and sclerosing injections in the treatment of esophageal variceal bleeding - a comparative study (author's transl)] Wördehoff D, et al. **Z Gastroenterol** 1982 Mar;20(3):139–44 (Eng. Abstr.) **(Ger)**
[The use of the Sengstaken–Blakemore tube for immediate control of bleeding esophageal varices (author's transl)] Remonda G, et al. **Ann Osp Maria Vittoria Torino** 1981 Jan–Jun;24(1–6):115–20 (Eng. Abstr.) **(Ita)**
[Hemorrhage of esophageal varices: conservative or emergency treatment?] Zannini G, et al. **Minerva Med** 1981 Dec 8;72(49):3303–6 (Eng. Abstr.) **(Ita)**
[Endoscopic sclerosing therapy in esophageal varices. Indications and personal technics] Zannini G, et al. **Minerva Med** 1982 Jan 28;73(3–4):99–102 (Eng. Abstr.) **(Ita)**
[Sclerosing therapy of esophageal varices with ferromagnetic fluid in a constant magnetic field in portal hypertension complicated by hemorrhage] Shalimov AA, et al. **Klin Khir** 1981 Aug;(8):29–32 (Eng. Abstr.) **(Rus)**

ESOPHAGITIS

CHEMICALLY INDUCED

Emepronium bromide–induced oesophagitis. Case reports. Tobias R, et al. **S Afr Med J** 1982 Mar 6;61(10):368–70
[Esophageal lesions caused by doxycycline] Zijnen–Suyker MP, et al. **Ned Tijdschr Geneeskd** 1981 Aug 25; 125(35):1407–10 (Eng. Abstr.) **(Dut)**
[Caustic esophagitis in children] Garcin M, et al. **J Fr Otorhinolaryngol** 1981 Nov;30(9):555–6, 559–60, 563–4 **(Fre)**
[Esophageal ulceration caused by tetracycline] Skapa E, et al. **Harefuah** 1980 Dec 1;99(11):373–4 (Eng. Abstr.) **(Heb)**
[Experience of the '23 August' ORL Children's Clinic in corrosive esophagitis in children] Ciurea M, et al. **Rev Chir [Otorinolaringol]** 1981 Jul–Sep;26(3):199–206 (Eng. Abstr.) **(Rum)**
[Caustic esophagitis in the child: a social problem] Mota Hernández F, et al. **Bol Med Hosp Infant Mex** 1982 Jan; 39(1):57–63 **(Spa)**
[Esophageal ulcerations in children induced by cetiprin] Engstrand I, et al. **Lakartidningen** 1981 Aug 26;78(35):2962 **(Swe)**

COMPLICATIONS

Precursor lesions of oesophageal cancer in high–risk populations in Iran and China. Muñoz N, et al. **Lancet** 1982 Apr 17;1(8277):876–9
The association of oesophagitis with disease in the stomach and duodenum. Bateson MC, et al. **Postgrad Med J** 1981 Apr;57(666):217–8
Gastric acid secretion, oesophageal acid reflux, and oesophagitis in patients with symptomatic gastro–oesophageal reflux. Matikainen M. **Scand J Gastroenterol** 1981;16(8):1043–8
[Teletransmitted esophageal pH measurement] Andreoli F, et al. **Minerva Chir** 1982 Mar 31;37(6):547–50 (Eng. Abstr.) **(Ita)**

DIAGNOSIS

Evaluation and management of diseases of the esophagus. Meyer GW, et al. **Am J Otolaryngol** 1981 Nov;2(4):336–44 (46 ref.)
[Diagnostic procedures in esophagitis] Rösch W. **Dtsch Med Wochenschr** 1982 Mar 12;107(10):386–8 **(Ger)**
[Clinical manifestations of esophagitis in children] Zernov NG, et al. **Pediatriia** 1982 Apr;(4):50–2 **(Rus)**

DRUG THERAPY

Bile reflux gastritis and esophagitis in patients without prior gastric surgery, with pilot study of the therapeutic effects of metoclopramide. Goldstein F, et al. **Am J Gastroenterol** 1981 Nov;76(5):407–11
Oral clotrimazole in the treatment of esophageal candidiasis. Ginsburg CH, et al. **Am J Med** 1981 Nov;71(5):891–5
Effects of sodium polyacrylate (PANa) on acute esophagitis by gastric juice in rats. Nakamura K, et al. **Jpn J Pharmacol** 1982 Jun;32(3):445–56
[Corrosive esophagitis in children (author's transl)] Arcand P, et al. **Chir Pediatr** 1982 Jan–Feb;23(1):43–7 (Eng. Abstr.) **(Fre)**

ETIOLOGY

Herpes esophagitis. Solammadevi SV, et al. **Am J Gastroenterol** 1982 Jan;77(1):48–50
Bile acid composition and esophagitis after total gastrectomy. Matikainen M, et al. **Am J Surg** 1982 Feb;143(2):196–8
Fatal Candida esophagitis in two diabetics after renal transplantation. Jones JM, et al. **Arch Surg** 1982 Apr; 117(4):499–501
Esophagitis complicating scoliosis management with the Boston thoracolumbosacral orthosis. Kling TF Jr, et al. **Clin Orthop** 1981 Sep;(159):208–10
Esophago–pulmonary toxicity from concomitant use of adriamycin and irradiation. Son YH, et al. **Conn Med** 1981 Dec;45(12):755–9
Oesophagitis caused by oral ingestion of Aptin (alprenolol chloride) durettes. Stiris MG, et al. **Eur J Radiol** 1982 Feb; 2(1):38–40
Duodenogastric reflux in patients with heartburn and oesophagitis. Matikainen M, et al. **Scand J Gastroenterol** 1981;16(2):253–5
[Doxycycline, tablets or capsules? (letter)] Merkus FW. **Ned Tijdschr Geneeskd** 1982 Jan 30;126(5):203 **(Dut)**
[Spectrum of esophagitis: etiology, diagnosis, therapy] Rösch W. **Fortschr Med** 1981 Feb 5;99(5):123–7 (Eng. Abstr.) **(Ger)**
[Alkaline esophagitis] Gerunda GE, et al. **Minerva Chir** 1982 Mar 15;37(5):353–7 **(Ita)**
[Esophagitis caused by herpes simplex virus in a previously healthy person] Barcena R, et al. **Rev Esp Enferm Apar Dig** 1981 Dec;60(6):609–14 (Eng. Abstr.) **(Spa)**

MICROBIOLOGY

Herpes simplex esophagitis in a healthy 10–year–old boy. Bastian JF, et al. **J Pediatr** 1982 Mar;100(3):426–7

PATHOLOGY

Oesophagitis in Italian and Hungarian asymptomatic subjects. Cheli R, et al. **Endoscopy** 1982 Jan;14(1):1–3
Concomitant herpes–monilial esophagitis: case report with ultrastructural study. Mirra SS, et al. **Hum Pathol** 1982 Aug;13(8):760–3
[Mycotic esophagitis - a contribution to its etiology] Steiner I, et al. **Cesk Patol** 1982 Feb;18(1):55–61 (Eng. Abstr.) **(Cze)**
[Eosinophilic esophagitis, a rare manifestation of eosinophilic gastroenteritis] Münch R, et al. **Schweiz Med Wochenschr** 1982 May 15;112(20):731–4 (Eng. Abstr.) **(Ger)**

PHYSIOPATHOLOGY

The role of the vague nerve in airway narrowing caused by intraesophageal hydrochloric acid provocation and esophageal distention. Mansfield LE, et al. **Ann Allergy** 1981 Dec;47(6):431–4

RADIOGRAPHY

Correlation of double–contrast radiography and endoscopy in reflux esophagitis. Lähde S, et al. **Diagn Imaging** 1981; 50(5):255–8
Esophageal manifestations of Crohn's disease. Ghahremani GG, et al. **Gastrointest Radiol** 1982;7(3):199–203
Herpetic esophagitis. Shortsleeve MJ, et al. **Radiology** 1981 Dec;141(3):611–7

SURGERY

Surgical management of alkaline reflux gastritis and esophagitis. Herrington JL Jr, et al. **Surg Annu** 1981; 13:341–59

ESOPHAGITIS, PEPTIC

Drugs, foods, and other substances in the cause and treatment of reflux esophagitis. Richter JE, et al. **Med Clin North Am** 1981 Nov;65(6):1223–34 (46 ref.)

CHEMICALLY INDUCED

Gastroscopic findings after therapy with non–steroid antirheumatic drugs. Tympner F. **Z Rheumatol** 1981 Jul–Aug;40(4):179–81

COMPLICATIONS

Selective management of benign esophageal strictures. Dooner J, et al. **Am J Gastroenterol** 1982 Mar;77(3):172–7
Oesophageal stricture due to reflux oesophagitis in pregnancy. Case report. Swinhoe JR, et al. **Br J Obstet Gynaecol** 1981 Dec;88(12):1249–51
Recurrent aspiration. Månsson I. **Eur J Respir Dis [Suppl]** 1982;118:129–34 (16 ref.)
[The columnar lined esophagus is a pre–malignant lesion

(author's transl)] Philippe JM, et al. **Acta Chir Belg** 1982 Jul-Aug;(4):397-403 **(Fre)**

[Digestive bleeding as a complication of peptic oesophagitis; analysis of 39 cases (author's transl)] Bodin F, et al. **Gastroenterol Clin Biol** 1981 Oct;5(10):874-8 (Eng. Abstr.) **(Fre)**

[Barrett's epithelium and adenocarcinomas of the esophagogastric junction: an anatomopathological contribution to their interpretation] Giarelli L, et al. **Pathologica** 1981 Sep-Oct;73(1027):723-8 (Eng. Abstr.) **(Ita)**

[Severe reflux esophagitis with bronchial asthma (author's transl)] Matsuzaki T, et al. **Nippon Shokakibyo Gakkai Zasshi** 1982 Jan;79(1):97-102 **(Jpn)**

DIAGNOSIS

In support of the clinical usefulness of lower esophageal sphincter pressure determination. Meyer GW, et al. **Dig Dis Sci** 1981 Nov;26(11):1028-31

When is esophagitis healed? esophageal endoscopy, histology and function before and after cimetidine treatment. Sonnenberg A, et al. **Dig Dis Sci** 1982 Apr;27(4):297-302

Intraepithelial eosinophils: a new diagnostic criterion for reflux esophagitis. Winter HS, et al. **Gastroenterology** 1982 Oct;83(4):818-23

Spectrum of reflux esophagitis. Clift SA, et al. **J Arkansas Med Soc** 1982 Mar;78(10):387-93

Zollinger-Ellison syndrome presenting as reflux esophagitis and stricture. Ramakrishnan T. **J La State Med Soc** 1981 Dec;133(12):189-90

Diagnosis of incipient reflux esophagitis: a new test. Bachir GS, et al. **South Med J** 1981 Sep;74(9):1072-4

[Reflux esophagitis (clinical and endoscopic studies)] Brailski Kh, et al. **Vutr Boles** 1982;21(2):47-51 (Eng. Abstr.) **(Bul)**

[Reflux disease and gastric acid secretion] Pflücke F, et al. **Z Gesamte Inn Med** 1982 Jan 1;37(1):19-21 (Eng. Abstr.) **(Ger)**

[Diagnosis of reflux esophagitis] Chernousov AF, et al. **Sov Med** 1981;(6):91-4 **(Rus)**

[Reflux esophagitis in duodenal ulcer and therapeutic problems] Grigor'ev PIa, et al. **Ter Arkh** 1982;54(2):38-41 (Eng. Abstr.) **(Rus)**

DRUG THERAPY

Bethanechol or cimetidine in the treatment of symptomatic reflux esophagitis: a double-blind control study. Thanik K, et al. **Arch Intern Med** 1982 Aug;142(8):1479-81

Progression of cimetidine-treated reflux esophagitis to a Barrett's stricture. Saltzman M, et al. **Dig Dis Sci** 1982 Feb; 27(2):181-6

Double-blind controlled trial of bethanechol and antacid versus placebo and antacid in the treatment of erosive esophagitis. Saco LS, et al. **Gastroenterology** 1982 Jun; 82(6):1369-73

[Reflux esophagitis. Comparative clinical, endoscopic and electromanometric study during treatment with antacids and trithiozine] Lobello R, et al. **Minerva Chir** 1982 Mar 15;37(5):367-8 **(Ita)**

[Controlled clinical studies of the action of a drug combination in the pathology of the upper digestive tract] Crespi M, et al. **Minerva Dietol Gastroenterol** 1981 Oct-Dec;27(4):599-610 (Eng. Abstr.) **(Ita)**

ETIOLOGY

Active trypsin and reflux oesophagitis: an experimental study in rats. Mud HJ, et al. **Br J Surg** 1982 May;69(5):269-72

Bile reflux esophagitis. A critical study of two models in the rat. Salmon R, et al. **Digestion** 1981;22(2):73-9

Inflammatory and structural changes in the opossum esophagus after resection of the cardia. Schulze-Delrieu K, et al. **Gastroenterology** 1982 Feb;82(2):276-83

[Ulcers of esophagus and esophageal anastomoses] Kharitonov LG. **Khirurgiia (Mosk)** 1981 Sep;(9):8-13 (Eng. Abstr.) **(Rus)**

[Fundoplication as a method in the treatment of reflux oesophagitis (author's transl)] Ivanišević B, et al. **Lijec Vjesn** 1981 Jan;103(1):34-6 (Eng. Abstr.) **(Scr)**

METABOLISM

Reflux oesophagitis. Hopwood D, et al. **Clin Gastroenterol** 1981 Sep;10(3):505-20 (56 ref.)

PATHOLOGY

[Peptic esophagitis in the neonate. A case-report (author's transl)] Kubryk N, et al. **Ann Pediatr (Paris)** 1982 May; 29(5):361-4 (Eng. Abstr.) **(Fre)**

[Method for the objective evaluation of the state of the esophageal mucosa in reflux esophagitis (based on target biopsy data)] Loginov AS, et al. **Arkh Patol** 1981; 43(12):65-8 (Eng. Abstr.) **(Rus)**

PHYSIOPATHOLOGY

Gastric secretion and emptying of liquids in reflex esophagitis. Baldi F, et al. **Dig Dis Sci** 1981 Oct; 26(10):886-9

Salivary secretion in reflux esophagitis. Sonnenberg A, et al. **Gastroenterology** 1982 Oct;83(4):889-95

Role of the components of the gastroduodenal contents in experimental acid esophagitis. Lillemoe KD, et al. **Surgery** 1982 Aug;92(2):276-84

Role of luminal H+ in the pathogenesis of experimental esophagitis. Salo J, et al. **Surgery** 1982 Jul;92(1):61-8

[Reflux esophagitis. Role of bile] Salmon R. **Med Chir Dig** 1982;11(2):123-8 **(Fre)**

[Reflux disease and sphincter pressure] Pflücke F, et al. **Dtsch Z Verdau Stoffwechselkr** 1981;41(5):234-40 (Eng. Abstr.) **(Ger)**

PREVENTION & CONTROL

Gastric valve designed to avoid the gastroesophageal reflux. An experimental study in dogs. Blanco-Benavides R, et al. **Arch Invest Med (Mex)** 1982;13(1):23-7 **(Eng, Spa)**

Effect of sodium polyacrylate on chronic reflux esophagitis in rats. Ishii Y, et al. **Arzneimittelforsch** 1981;31(12):2112-5

[A new method for the prevention of complications following esophago-gastrostomy of esophago-jejunostomy] Cilingiroglu HK, et al. **Zentralbl Chir** 1982;107(7):413-7 **(Ger)**

[Anti-reflux technic in myotomy of the cardia for cardial achalasia] Foggi E, et al. **Acta Biomed Ateneo Parmense** 1982;53(2):95-103 **(Ita)**

RADIOGRAPHY

Double-contrast examination of the oesophagus: the radiological changes of peptic oesophagitis. McDermott P, et al. **Clin Radiol** 1982 May 3;33(3):259-64

Radiologic detection and spectrum of appearances of peptic esophageal strictures. Ott DJ, et al. **J Clin Gastroenterol** 1982 Feb;4(1):11-5

[Double-contrast radiography in reflux esophagitis] Lähde S, et al. **Duodecim** 1981;97(23-24):1933-9 (Eng. Abstr.) **(Fin)**

SURGERY

Modification of the Belsey Mark IV procedure. Merrill WH, et al. **Am J Surg** 1982 Aug;144(2):280-2

Intrathoracic fundoplication for shortened esophagus. Treacherous solution to a challenging problem. Richardson JD, et al. **Am J Surg** 1982 Jan;143(1):29-35

Definitive surgical therapy for incapacitating 'gas-bloat' syndrome. Hocking MP, et al. **Am Surg** 1982 Mar; 48(3):131-3

Gastroplasty in patients with symptoms of reflux esophagitis. Simonowitz DA, et al. **Surg Gynecol Obstet** 1982 Feb; 154(2):235-7

Combined Collis gastroplasty--fundoplication operations for scleroderma reflux esophagitis. Orringer MB, et al. **Surgery** 1981 Oct;90(4):624-30

Jejunal interposition for reflux esophagitis and esophageal stricture unresponsive to valvuloplasty [letter] Gergely M. **World J Surg** 1982 May;6(3):377-8

[Therapeutic procedures in hemorrhage into the gastro-intestinal tract in reflux-esophagitis (author's transl)] Duda M, et al. **Langenbecks Arch Chir** 1982; 356(1):1-6 (Eng. Abstr.) **(Ger)**

[Fundoplication by the Nissen method in the surgical treatment of peptic ulcer] Buianov VM, et al. **Klin Khir** 1981 Aug;(8):41-4 (Eng. Abstr.) **(Rus)**

[Fundopiication as a method in the treatment of reflux oesophagitis (author's transl)] Ivanišević B, et al. **Lijec Vjesn** 1981 Jan;103(1):34-6 (Eng. Abstr.) **(Scr)**

[Conservative surgery of stenosing peptic esophagitis secondary to hiatal hernia, with special reference to the anatomic repair of the hiatus] De Miguel J. **Rev Esp Enferm Apar Dig** 1981 Nov;60(5):433-8 (Eng. Abstr.) **(Spa)**

THERAPY

Upper gastrointestinal motility. Part I--The pathophysiologic approach to the management of reflux esophagitis. Holloway RH, et al. **Am J Gastroenterol** 1981 Sep;76(3):280-90 (128 ref.)

Improvement in esophageal motor dysfunction with treatment of reflux esophagitis: a report of two cases. Marshall JB, et al. **Am J Gastroenterol** 1982 Jun;77(6):351-4

Surgical treatment of morbid obesity with reflux esophagitis. Buckwalter JA. **Am Surg** 1982 Mar;48(3):128-30

Coping with reflux esophagitis in the aged. Pries JM. **Geriatrics** 1982 Sep;37(9):57-9, 64, 67

[Peptic ulcer associated with reflux esophagitis and its treatment] Grigor'ev PIa, et al. **Sov Med** 1981;(8):30-4 (Eng. Abstr.) **(Rus)**

ESOPHAGITIS, REFLUX see **ESOPHAGITIS, PEPTIC**

ESOPHAGOGASTRIC JUNCTION

Post-emetic laceration and rupture of the gastroesophageal junction. Michel L. **Acta Chir Belg** 1982 Jan-Feb; 82(1):13-24

Adenocarcinoma of the gastroesophageal junction: barium and CT examination. Freeny PC, et al. **AJR** 1982 Jun; 138(6):1077-84

Phase I--II study of the combination of 5-FU, doxorubicin, mitomycin, and semustine (FAMMe) in the treatment of adenocarcinoma of the stomach, gastroesophageal junction, and pancreas. Karlin DA, et al. **Cancer Treat Rep** 1982 Aug;66(8):1613-7

Failure of clinical criteria to distinguish between primary achalasia and achalasia secondary to tumor. Sandler RS, et al. **Dig Dis Sci** 1982 Mar;27(3):209-13

Tracheobronchial and pancreatic remnants causing esophageal stenosis. Briceño LI, et al. **J Pediatr Surg** 1981 Oct;16(5):731-2

Intubation of inoperable tumours of the oesophagogastric junction. Moll FL, et al. **Neth J Surg** 1982 Mar;34(1):8-12

[2 cases of carcinoma of the esophagogastric junction] Mandurino S, et al. **Arch Sci Med (Torino)** 1981 Oct-Dec; 138(4):627-30 **(Ita)**

[Barrett's epithelium and adenocarcinomas of the esophagogastric junction: an anatomopathological contribution to their interpretation] Giarelli L, et al. **Pathologica** 1981 Sep-Oct;73(1027):723-8 (Eng. Abstr.) **(Ita)**

[Pressure of the inferior esophageal sphincter in hepatic cirrhosis: pathogenic role in bleeding esophageal varices] Stanciu C, et al. **Rev Med Chir Soc Med Nat Iasi** 1981 Apr-Jun;85(2):293-5 (Eng. Abstr.) **(Rum)**

ANATOMY & HISTOLOGY

Perimeter and location of the muscular gastroesophageal junction or 'cardia' in control subjects and in patients with reflux esophagitis or achalasia. Csendes A, et al. **Scand J Gastroenterol** 1981;16(7):951-6

DRUG EFFECTS

Flunitrazepam increases and diazepam decreases the lower oesophageal sphincter tone when administered intravenously. Rubin J, et al. **Anaesth Intensive Care** 1982 May;10(2):130-2

Pethidine, metoclopramide and the gastro-oesophageal sphincter [letter] **Anaesthesia** 1981 Aug;36(8):823-4

Effect of clebopride on lower esophageal sphincter pressure. Ribeiro V, et al. **Arq Gastroenterol** 1981 Apr-Jun; 18(2):71-4

Effect of oral diazepam on lower oesophageal sphincter pressure. Cotton BR, et al. **Br J Anaesth** 1981 Nov; 53(11):1147-50

beta-Blocking drugs and the lower oesophageal sphincter [letter] Vater M, et al. **Br J Anaesth** 1982 Aug; 54(8):899-900

Effect of ranitidine on resting pressure and pentagastrin response of human lower esophageal sphincter. Denis P, et al. **Dig Dis Sci** 1981 Nov;26(11):999-1002

Effect of bombesin on lower esophageal sphincter pressure in humans. Corazziari E, et al. **Gastroenterology** 1982 Jul; 83(1 Pt 1):10-4

Effect of somatostatin on lower esophageal sphincter (les) pressure and serum gastrin in normal and achalasic subjects. Greco AV, et al. **Horm Metab Res** 1982 Jan;14(1):26-8

Effects of angiotensin on the human lower esophageal sphincter pressure. Stanciu C, et al. **Med Interne** 1981 Oct-Dec;19(4):359-61

Gastro-Conray does not alter resting lower oesophageal sphincter pressure in normal human subjects. Brock-Utne JG, et al. **S Afr Med J** 1982 Jan 2;61(1):22-3

Effect of metoclopramide given before atropine sulphate on lower oesophageal sphincter tone. Brock-Utne JG, et al. **S Afr Med J** 1982 Mar 27;61(13):465-7

INNERVATION

Structure of the myenteric plexus in the sphincters of cat gastro-intestinal tract. VI. Axonal profiles, axonal varicosities, synapses and other membrane differentiations. Lolova I, et al. **Acta Physiol Pharmacol Bulg** 1980; 6(4):62-71

Neural control of the lower esophageal sphincter in the cat: studies on the excitatory pathways to the lower esophageal sphincter. Behar J, et al. **Gastroenterology** 1982 Apr; 82(4):680-8

[Demonstration of mucous mechanoreceptors in the lower esophageal sphincter. Comparison with muscle mechanoreceptors] Clerc N, et al. **C R Soc Biol (Paris)** 1981;175(3):352-6 (Eng. Abstr.) **(Fre)**

PHYSIOLOGY

Histamine receptors in the lower esophageal sphincter (LES). Coruzzi G, et al. **Agents Actions** 1982 Apr;12(1-2):157-61

Relationship between the changes in the membrane potential and the contraction of the smooth muscles of the lower oesophageal sphincter and the ileocaecal sphincter. Papasova M, et al. **Agressologie** 1981;22(5):205-8

Comparison of the effects of atropine and glycopyrrolate on lower oesophageal sphincter pressure. Cotton BR, et al. **Br J Anaesth** 1981 Aug;53(8):875-9

Single and combined effects of atropine and metoclopramide on the lower oesophageal sphincter pressure. Cotton BR, et al. **Br J Anaesth** 1981 Aug;53(8):869-74

Lower esophageal sphincter mechanics: anatomic and physiologic relationships of the esophagogastric junction of cat. Biancani P, et al. **Gastroenterology** 1982 Mar; 82(3):468-75

Influence of respiration on recordings of lower esophageal sphincter pressure in humans. Welch RW, et al. **Gastroenterology** 1982 Sep;83(3):590-4

The antireflux mechanism [letter] Silber W. **J Clin Gastroenterol** 1982 Jun;4(3):288

Relationship between lower esophageal sphincter pressure and serum gastrin concentration in the newborn infant.

Moroz SP, et al. **J Pediatr** 1981 Nov;99(5):725–8
Response of the canine lower esophageal sphincter to endogenous hypergastrinemia. Dennis MA, et al. **J Surg Res** 1981 Nov;31(5):400–3
Lower esophageal sphincter and the gastroesophageal antireflux mechanism. Laitinen ST, et al. **World J Surg** 1981 Nov;5(6):845–53
[Influence of pregnancy on lower oesophageal sphincter pressures (author's transl)] Stanciu C, et al. **Gastroenterol Clin Biol** 1982 May;6(5):435–7 (Eng. Abstr.) **(Fre)**
[The lower esophageal sphincter and superselective vagotomy. Manometric study with the method of rapid pull-through of the catheter] Rossi R, et al. **Minerva Chir** 1981 Aug 15–31;36(15–16):1001–4 (Eng. Abstr.) **(Ita)**
[Manometric studies on asymmetry of lower esophageal sphincter in dogs (author's transl)] Amano S, et al. **Nippon Heikatsukin Gakkai Zasshi** 1980 Dec;16(4):285–95 (Eng. Abstr.) **(Jpn)**

PHYSIOPATHOLOGY

Body position and esophageal sphincter pressure in infants. Byrne WJ, et al. **Am J Dis Child** 1982 Jun;136(6):523–5
Improvement in esophageal motor dysfunction with treatment of reflux esophagitis: a report of two cases. Marshall JB, et al. **Am J Gastroenterol** 1982 Jun;77(6):351–4
Effect of hyperparathyroidism and hypercalcemia on lower esophageal sphincter pressure. Mowschenson PM, et al. **Am J Surg** 1982 Jan;143(1):36–9
Interaction of lower esophageal sphincter pressure and length of sphincter in the abdomen as determinants of gastroesophageal competence. O'Sullivan GC, et al. **Am J Surg** 1982 Jan;143(1):40–7
Lower esophageal sphincter pressure as an index of gastroesophageal acid reflux. Ahtaridis G, et al. **Dig Dis Sci** 1981 Nov;26(11):993–8
In support of the clinical usefulness of lower esophageal sphincter pressure determination. Meyer GW, et al. **Dig Dis Sci** 1981 Nov;26(11):1028–31
Is measurement of lower esophageal sphincter pressure clinically useful? Pope CE 2d. **Dig Dis Sci** 1981 Nov; 26(11):1025–7
Lower esophageal sphincter pressure before and after paracentesis in cirrhotic patients with intractable ascites. Stanciu C, et al. **Digestion** 1982;23(2):116–8
The lower esophageal sphincter in gastroesophageal reflux in children. Herbst JJ, et al. **J Clin Gastroenterol** 1979 Jun; 1(2):119–23
The phreno-pyloric syndrome in symptomatic gastroesophageal reflux. Rode H, et al. **J Pediatr Surg** 1982 Apr;17(2):152–7
Relationship of a hiatal hernia to the function of the body of the esophagus and the gastroesophageal junction. DeMeester TR, et al. **J Thorac Cardiovasc Surg** 1981 Oct; 82(4):547–58
Food-stimulated gastroesophageal sphincter pressure in patients with abnormal duodenal loop compared with controls. Funch-Jensen P, et al. **Scand J Gastroenterol** 1981;16(4):527–30
Effect of lower oesophageal sphincter on oesophageal varices. A portographic study. Miskowiak J, et al. **Scand J Gastroenterol** 1981;16(7):957–60
The role of the esophageal body in the antireflux mechanism. Joelsson BE, et al. **Surgery** 1982 Aug;92(2):417–24
Relation between esophagogastric junction and esophageal function in patients with reflux esophagitis. Harasawa S, et al. **Tokai J Exp Clin Med** 1982 Mar;7(2):187–99
[Reflux disease and sphincter pressure] Pflücke F, et al. **Dtsch Z Verdau Stoffwechselkr** 1981;41(5):234–40 (Eng. Abstr.) **(Ger)**
[Reproducibility of oesophageal sphincter pressure and gastrooesophageal reflux (author's transl)] Pflücke F. **Dtsch Z Verdau Stoffwechselkr** 1982;42(1):1–6 (Eng. Abstr.) **(Ger)**
[Lower esophageal sphincter function and its clinical implication in liver cirrhosis (author's transl)] Fukuda K. **Nippon Shokakibyo Gakkai Zasshi** 1981 Jul;78(7):1419–30 (Eng. Abstr.) **(Jpn)**
[Behavior of the lower esophageal sphincter during deglutition in Chagasic esophagopathy] Dantas RO, et al. **AMB** 1981 Dec;27(12):340–2 (Eng. Abstr.) **(Por)**
[Results of the surgical treatment of non-advanced Chagas megaesophagus. Functional aspects of the operated esophagus] Ellenbogen G, et al. **Rev Hosp Clin Fac Med Sao Paulo** 1981 Dec;36(6):252–7 (Eng. Abstr.) **(Por)**
[Reflux esophagitis caused by hiatal hernia. Electromanometic study of the lower esophageal sphincter and reflux test before and after surgical treatment] Gama-Rodrigues JJ, et al. **Rev Hosp Clin Fac Med Sao Paulo** 1981 Feb;36(1):13–7 (Eng. Abstr.) **(Por)**

SURGERY

Inflammatory esophagogastric junction polyp. Croyle P, et al. **Am J Gastroenterol** 1981 Nov;76(5):438–40
Effects of total fundoplication on function of the esophagus after myotomy for achalasia. Duranceau A, et al. **Am J Surg** 1982 Jan;143(1):22–8
Gastroesophageal fundoplication and gastrostomy in familial dysautonomia. Axelrod FB, et al. **Ann Surg** 1982 Mar; 195(3):253–8
Esophagogastrectomy for adenocarcinoma of the cardia. Ten years' experience and current approach. Molina JE, et al. **Ann Surg** 1982 Feb;195(2):146–51
The combined Collis–Nissen operation: early assessment of reflux control. Orringer MB, et al. **Ann Thorac Surg** 1982 Jun;33(6):534–9
Gastric valve designed to avoid the gastroesophageal reflux. An experimental study in dogs. Blanco-Benavides R, et al. **Arch Invest Med (Mex)** 1982;13(1):23–7 **(Eng, Spa)**
Treatment of gastroesophageal reflux in children by Thal fundoplication. Ashcraft KW, et al. **J Thorac Cardiovasc Surg** 1981 Nov;82(5):706–12
Is a gastric drainage procedure necessary after proximal gastrectomy or esophagogastrectomy? Goiematis BC, et al. **Mt Sinai J Med (NY)** 1982 Mar–Apr;49(2):140–3
Oesophagogastrectomy and total gastrectomy for carcinoma of the stomach. A plea for subdiaphragmatic resection. Van Rensburg LC. **S Afr Med J** 1981 Nov 14;60(20):773–7
Gastric necrosis and perforation after fundoplication. Merrill JR. **South Med J** 1981 Dec;74(12):1543–5
A transabdominal method for the treatment of unresectable carcinoma of the esophagogastric junction. Hines JR. **Surg Gynecol Obstet** 1982 Aug;155(2):244–5
[Endoscopic sphincterectomy: technique, indications, contraindications, complications and early results] Garbarini A, et al. **Minerva Chir** 1982 Feb 15;37(3):161–6 (Eng. Abstr.) **(Ita)**

ESOPHAGOPLASTY

The role of the free jejunal graft in reconstruction of the pharynx and cervical esophagus. Gluckman JL, et al. **Head Neck Surg** 1982 May–Jun;4(5):360–9
Plasma levels of glucagon-like polypeptides in patients with esophagoplasty. Tamburrano G, et al. **J Endocrinol Invest** 1982 Mar–Apr;5(2):107–9
[Premalignant and malignant changes in the epithelium in an antethoracic skin tube after esophagus replacement surgery] Petri A, et al. **Chirurg** 1981 Aug;52(8):501–4 (Eng. Abstr.) **(Ger)**
[Preliminary irradiation of esophageal cancer] Sauer R, et al. **Strahlentherapie [Sonderb]** 1981;76:194–6 **(Ger)**
[Esophagoplasty and postoperative metabolism] **Nippon Kyobu Geka Gakkai Zasshi** 1981 Apr;29(4):609–27 **(Jpn)**

ADVERSE EFFECTS

Modern management of anastomotic leak after esophagogastrectomy. Wilson SE, et al. **Am J Surg** 1982 Jul;144(1):95–101
Relationship between autonomic innervation and hemodynamics of the gastric tube for esophageal reconstruction, especially the effect of thoracic sympathectomy on the microcirculatory disturbance in the gastric tube. Mii T. **Nippon Geka Hokan** 1981 Nov 1; 50(6):747–68

METHODS

Esophagocardioplasty with gastric pouch. An experimental study in dogs. Blanco-Benavides R, et al. **Am J Surg** 1982 Sep;144(3):332–4
Esophageal replacement in infants and children by colon interposition. Campbell JR, et al. **Am J Surg** 1982 Jul; 144(1):29–34
Clinical efficacy of the stapled anastomosis in esophageal reconstruction. Sugimachi K, et al. **Ann Thorac Surg** 1982 Apr;33(4):374–8
Reconstruction of cervical esophagus with a segment of colon based on a long vascular pedicle: an experimental study in ten monkeys. Papachristou DN, et al. **J Laryngol Otol** 1982 Feb;96(2):135–9
Problems in esophageal bypass for unresectable carcinoma of the thoracic esophagus. Sugimachi K, et al. **J Thorac Cardiovasc Surg** 1982 Jul;84(1):62–5
Myoepithelial construction of the thoracic esophagus. Keyes GR, et al. **Plast Reconstr Surg** 1982 Apr;69(4):683–9
Jejunal loop bypass and fundoplication for malignant esophagobronchial fistula. Ong GB, et al. **Surg Gynecol Obstet** 1982 Feb;154(2):165–9
The Kirschner bypass operation--a palliation for complicated esophageal carcinoma. Roeher HD, et al. **World J Surg** 1981 Jul;5(4):543–6
Surgical treatment of hypopharyngeal and cervical esophageal cancer. Silver CE. **World J Surg** 1981 Jul; 5(4):499–507
Results of the Kirschner operation. Wong J, et al. **World J Surg** 1981 Jul;5(4):547–52
Oesophageal atresia: methods of reconstruction in cases of a 'long gap'. Festen C. **Z Kinderchir** 1981 Apr;32(4):295–300
[Use of B. V. Petrovskii's esophagocardiodiaphragmoplasty on 2 children with cardiospasm] Ivanchev I, et al. **Khirurgiia (Sofiia)** 1982;35(2):154–8 (Eng. Abstr.) **(Bul)**
[Colonic replacement for esophagus (author's transl)] Shen EJ. **Chung Hua Wai Ko Tsa Chih** 1981 Nov;19(11):676–7 (Eng. Abstr.) **(Chi)**
[Esocoloplasty for esophageal neoplasms (author's transl)] Ampe J, et al. **Acta Chir Belg** 1982 Jul–Aug;(4):385–8 **(Fre)**
[Experience of esophageal replacement by the colon in 60 patients (author's transl)] Otte JB, et al. **Acta Chir Belg** 1982 Jul–Aug;(4):389–96 **(Fre)**
[The reversed stomach technique of oesophagoplasty (author's transl)] Charbit L, et al. **Nouv Presse Med** 1982 Feb 27;11(9):669–71 (Eng. Abstr.) **(Fre)**
[Cancer of the lower oesophagus. One-stage subtotal oesophagectomy without thoracotomy and retrosternal gastroplasty (author's transl)] Rousseau D, et al. **Nouv Presse Med** 1982 May 8;11(21):1631–2 (Eng. Abstr.) **(Fre)**
[Results and experiences with esophagectomy by blunt dissection] Kunath U. **Chirurg** 1981 Nov;52(11):706–13 (Eng. Abstr.) **(Ger)**
[Operative tactical procedure in esophageal lesions] Stilianu L, et al. **Chirurg** 1981 Dec;52(12):783–5 (Eng. Abstr.) **(Ger)**
[Esophagus replacement by an isoperistaltic gastric tube (author's transl)] Lindecken KD, et al. **Langenbecks Arch Chir** 1981;354(4):265–71 (Eng. Abstr.) **(Ger)**
[The surgical treatment of esophageal cancer] Durst J. **Med Welt** 1981 Nov 27;32(48):1815–9 **(Ger)**
[Coloplasty in the late reconstruction of esophageal injuries caused by caustic substances in childhood] Altorjay I, et al. **Orv Hetil** 1981 Dec 27;122(52):3201–4 **(Hun)**
[Achalasia of the gastric tube in esophagoplasty using the Gavriliu technic (presentation of a clinical case)] Bardini R, et al. **Chir Ital** 1981 Aug;33(4):873–7 **(Ita)**
[Cancer at the cervico-thoracic junction of the esophagus. Report of a case (author's transl)] Yokoyama M, et al. **Nippon Jibiinkoka Gakkai Kaiho** 1982 May;85(5):518–23 (Eng. Abstr.) **(Jpn)**
[Indications for early retrosternal esophagoplasty with the large intestine in neonates with esophageal atresia] Babliak DE, et al. **Grudn Khir** 1981;(6):63–8 (Eng. Abstr.) **(Rus)**
[Modified esophagoplasty in cicatricial esophageal strictures] Al'perovich BI. **Khirurgiia (Mosk)** 1981 Sep;(9):112–3 **(Rus)**
[Creation of artificial esophagus from the large intestine after preliminary preparation of the graft] Avilova OM, et al. **Khirurgiia (Mosk)** 1981 Sep;(9):13–8 (Eng. Abstr.) **(Rus)**
[Single-step intrapleural esophagoplasty with isoperistaltic gastric tube] Chernousov AF, et al. **Khirurgiia (Mosk)** 1981 Sep;(9):100–4 **(Rus)**
[Tubular skin grafts in esophagoplasty of cervical region of the esophagus] Iunina AI. **Khirurgiia (Mosk)** 1981 Sep; (9):104–6 **(Rus)**
[Esophagoplasty following an operation on the stomach] Kharitonov LG, et al. **Khirurgiia (Mosk)** 1982 Mar;(3):31–5 (Eng. Abstr.) **(Rus)**
[Modeling the blood circulation in a segment of the large intestine in creating a graft for esophagoplasty] Shalimov SA, et al. **Klin Khir** 1981 Oct;(10):30–3 (Eng. Abstr.) **(Rus)**
[Esophagoplasty of the large intestine in esophageal atresia in children] Bairov GA, et al. **Vestn Khir** 1982 Feb; 128(2):92–5 **(Rus)**
[Esophagopharyngoplasty and use of orthopedic prostheses for gaping defects of the cervical portion of the esophagus and pharynx after removal of malignant tumors] Balon LR, et al. **Vestn Khir** 1982 Apr;128(4):106–10 **(Rus)**
[Plastic surgery of the thoracic segment of the esophagus with the stomach tissue] Voronov AA, et al. **Vestn Khir** 1981 Sep;127(9):12–6 **(Rus)**
[Plastic closure of extensive defects of the pharynx and cervical portion of the esophagus using skin-fat and skin-muscle flaps with an axial blood supply] Nerobeev AI. **Vestn Otorinolaringol** 1982 May-Jun;(3):47–51 (Eng. Abstr.) **(Rus)**
[Esophageal stripping (esophagectomy without thoracotomy)] López Gibert J, et al. **Rev Esp Enferm Apar Dig** 1982 Apr;61(4):305–12 **(Spa)**
[Indications, technic and results of digital transhiatal esophagectomy without thoracotomy] Moreno González E, et al. **Rev Esp Enferm Apar Dig** 1981 Dec;60(6):533–58 (Eng. Abstr.) **(Spa)**

ESOPHAGOSCOPY

The safety of combined endoscopy, biopsy and dilation in esophageal strictures. Barkin JS, et al. **Am J Gastroenterol** 1981 Jul;76(1):23–6
Serum gastrin levels following upper gastrointestinal endoscopy. Joske RA, et al. **Aust NZ J Med** 1981 Oct; 11(5):563–4
When is esophagitis healed? esophageal endoscopy, histology and function before and after cimetidine treatment. Sonnenberg A, et al. **Dig Dis Sci** 1982 Apr;27(4):297–302
Palliative endoscopic treatment of malignant esophageal stenosis using a Häring prosthesis. Balmes JL, et al. **Digestion** 1982;23(1):31–8
Prediction of variceal hemorrhage by esophageal endoscopy. Beppu K, et al. **Gastrointest Endosc** 1981 Nov;27(4):213–8
Foreign body endoscopy. McCray RS. **Gastrointest Endosc** 1981 Nov;27(4):236–7
Endoscopic esophageal anastomosis. Booss D, et al. **J Pediatr Surg** 1982 Apr;17(2):138–43
Caustic agent ingestion calls for esophagoscopy [news] Korcok M. **JAMA** 1982 Jul 23;248(4):409
Intramural haematoma of the oesophagus. The role of endoscopy. Tim LO, et al. **S Afr Med J** 1982 May 22; 61(21):798–800

[Digestive endoscopy in oesophageal lesions (author's transl)] Deltenre M, et al. **Acta Chir Belg** 1982 Jul-Aug;(4):305-20 **(Fre)**

[Measurement of pressure of esophageal varices by bloodless endoscopic approach] Mosimann R. **Helv Chir Acta** 1981 Apr;48(1-2):261-4 **(Fre)**

[Morphology of the lower esophagus after endoscopic varicosclerosation (author's transl)] Hansen H, et al. **Langenbecks Arch Chir** 1981;354(3):199-207 (Eng. Abstr.) **(Ger)**

[The importance of endoscopy and cytology in the diagnosis of esophageal cancer] Califano G, et al. **Minerva Chir** 1980 Dec 15-31;35(23-24):1907-12 **(Ita)**

[Radiological and endoscopic comparison in pathology of the upper digestive tract] Benelli R, et al. **Minerva Dietol Gastroenterol** 1982 Apr-Jun;28(2):111-7 (Eng. Abstr.) **(Ita)**

[Emergency esophagogastroscopy in upper digestive hemorrhages. Personal experience] Tosi F, et al. **Minerva Dietol Gastroenterol** 1982 Apr-Jun;28(2):123-6 **(Ita)**

[Experience of the '23 August' ORL Children's Clinic in corrosive esophagitis in children] Ciurea M, et al. **Rev Chir [Otorinolaringol]** 1981 Jul-Sep;26(3):199-206 (Eng. Abstr.) **(Rum)**

[Potentials of x-ray and endoscopic study methods in the diagnosis of cancer recurrences in the area of the esophageal anastomoses] Kokhanova GA, et al. **Klin Khir** 1982 May;(5):11-4 (Eng. Abstr.) **(Rus)**

[Emergency therapeutic endoscopy] Komarov BD, et al. **Sov Med** 1981;(12):87-8 **(Rus)**

[Limits and potentials of fiber esophagoscopy in detecting background diseases and early forms of esophageal cancer] Inshakov LN, et al. **Vopr Onkol** 1981;27(10):86-7 **(Rus)**

[Esophageal candidiasis. Experience in 25 cases] Maggiolo P, et al. **Rev Med Chil** 1981 Dec;109(12):1163-7 (Eng. Abstr.) **(Spa)**

ADVERSE EFFECTS

Management of instrumental perforations of the esophagus. Sarr MG, et al. **J Thorac Cardiovasc Surg** 1982 Aug; 84(2):211-8

[Aspiration pneumopathy after oesophagogastroscopy (author's transl)] Cocheton JJ, et al. **Ann Med Interne (Paris)** 1981;132(3):183-5 (Eng. Abstr.) **(Fre)**

INSTRUMENTATION

Technique for pneumatic dilatation in achalasia complicated by 'sigmoid' esophagus. Holloway RH, et al. **J Clin Gastroenterol** 1982 Apr;4(2):123-5

METHODS

Removal of a foreign body from the esophagus. Jafari N, et al. **Del Med J** 1981 Sep;53(9):443-5

Fibreoptic endoscopic palliative intubation of inoperable oesophageal strictures. Coleman MJ, et al. **Med J Aust** 1981 Jul 11;2(1):33-4

A comparative study of techniques for esophageal foreign body removal with special emphasis on meat bolus obstruction. Shaffer RD, et al. **Wis Med J** 1981 Nov; 80(11):33-6

[Upper digestive fiberoptic endoscopy in children] Mougenot JF, et al. **Arch Fr Pediatr** 1981 Dec;38(10):807-14 (87 ref.) **(Fre)**

[Radiology used in otorhinolaryngological endoscopy] Lamontagne LB. **J Otolaryngol** 1981 Oct;10(5):391-5 (Eng. Abstr.) **(Fre)**

[The esophageal tube inserted under endoscopic radiologic control] Buess G, et al. **Chirurg** 1981 Dec;52(12):763-8 (Eng. Abstr.) **(Ger)**

[Endoscopy of esophageal cancer (author's transl)] Classen M, et al. **Langenbecks Arch Chir** 1981;355:59-61 (Eng. Abstr.) **(Ger)**

[Emergency endoscopy of the upper gastrointestinal tract and therapeutic endoscopic procedures in childhood (author's transl)] Paquet KJ. **Z Kinderchir** 1981 Jun; 33(2):122-7 (Eng. Abstr.) **(Ger)**

ESOPHAGUS

Successful removal of endotracheal tube from the esophagus using balloon catheter technique. Lorenzo RL, et al. **AJR** 1981 Dec;137(6):1276-7

Esophageal tube displacement in aortic rupture [letter] Scherrer A, et al. **AJR** 1981 Nov;137(5):1094

The esophageal obturator airway: a reassessment of use by paramedics. Bass RR, et al. **Ann Emerg Med** 1982 Jul; 11(7):358-60

Prolonged foreign body impaction in the oesophagus. Spitz L, et al. **Arch Dis Child** 1982 Jul;57(7):551-3

Removal of blunt oesophageal foreign bodies in children using a Foley catheter. Ong TH. **Aust Paediatr J** 1982 Mar; 18(1):60-2

The importance of radiological monitoring after oesophageal intubation. Campbell WB, et al. **Br J Radiol** 1981 Nov; 54(647):996-1000

Structural deterioration of prosthetic oesophageal tubes: an in vitro comparison of latex rubber and silicone rubber tubes. Branicki FJ, et al. **Br J Surg** 1981 Dec;68(12):861-4

Pseudopneumothorax. Jackson FN, et al. **Chest** 1982 Jun; 81(6):770-1

Esophageal pacing: a diagnostic and therapeutic tool. Gallagher JJ, et al. **Circulation** 1982 Feb;65(2):336-41

Removal of a foreign body from the esophagus. Jafari N, et al. **Del Med J** 1981 Sep;53(9):443-5

Treatment of esophageal food impaction--a new use for glucagon. Bryant BG, et al. **Drug Intell Clin Pharm** 1982 May;16(5):407-9

Intraluminal pressures generated during esophageal bougienage. Kozarek RA, et al. **Gastroenterology** 1981 Nov; 81(5):833-7

Impacted blister packages [letter] Ito Y, et al. **Gastrointest Endosc** 1981 Aug;27(3):202

Foreign body endoscopy. McCray RS. **Gastrointest Endosc** 1981 Nov;27(4):236-7

Noninvasive management of esophageal meat impaction [letter] Reddy AN. **Gastrointest Endosc** 1981 Aug; 27(3):202-3

Large foreign bodies of the gastrointestinal tract. Ghani A, et al. **Int Surg** 1981 Jul-Sep;66(3):271-2

A method to prevent swallowing or aspiration of cast restorations. Jacobi R, et al. **J Prosthet Dent** 1981 Dec; 46(6):642-5

Oesophageal intubation. A review of 100 cases. Bache JB, et al. **J R Coll Surg Edinb** 1982 Jan;27(1):26-32

The esophageal obturator airway [letter] Craig NR. **JAMA** 1982 Feb 12;247(6):754

No-confidence vote on catheter removal of foreign bodies [news] Korcok M. **JAMA** 1982 Jun 25;247(24):3304

Pain from swallowing cold liquids [letter] Ott DJ, et al. **JAMA** 1982 Mar 12;247(10):1406-7

Low-current bedside emergency atrial and ventricular cardiac pacing from the oesophagus [letter] Touborg P, et al. **Lancet** 1982 Jan 16;1(8264):166

Nonsurgical removal of a fishhook from a dog's esophagus. Barnes LE, et al. **VM SAC** 1982 Jan;77(1):66

A comparative study of techniques for esophageal foreign body removal with special emphasis on meat bolus obstruction. Shaffer RD, et al. **Wis Med J** 1981 Nov; 80(11):33-6

Intubation in the treatment of carcinoma of the esophagus. Angorn IB. **World J Surg** 1981 Jul;5(4):535-41

[A report on removal of foreign bodies from upper gastrointestinal tract through endoscope in 6 cases (author's transl)] Zhou DY. **Chung Hua Nei Ko Tsa Chih** 1981 Feb; 20(2):82-4 **(Chi)**

[Foreign bodies in the esophagus (apropos of 60 cases)] Debrie JC, et al. **Dakar Med** 1981;26(2):272-5 (Eng. Abstr.) **(Fre)**

[Acute esophageal obstruction of dietary origin in the adult] Braillon A, et al. **Med Chir Dig** 1982;11(1):55-6 **(Fre)**

[First-line exploration: fiberoptic gastroscopy or barium meal? A pragmatic evaluation (author's transl)] Pariente EA, et al. **Nouv Presse Med** 1981 Nov 21;10(42):3477-80 (Eng. Abstr.) **(Fre)**

[The esophageal tube inserted under endoscopic radiologic control] Buess G, et al. **Chirurg** 1981 Dec;52(12):763-8 (Eng. Abstr.) **(Ger)**

[The use of the Sengstaken-Blakemore tube for immediate control of bleeding esophageal varices (author's transl)] Remonda G, et al. **Ann Osp Maria Vittoria Torino** 1981 Jan-Jun;24(1-6):115-20 (Eng. Abstr.) **(Ita)**

[Endoscopic palliative treatment of cancer of the esophagus] Foco A, et al. **Minerva Chir** 1982 May 15;37(9):839-44 **(Ita)**

[Endoscopic esophageal intubation: technic, indications, contraindications and complications] Foco A, et al. **Minerva Chir** 1982 Feb 15;37(3):133-52 (Eng. Abstr.) **(Ita)**

[Endoscopic sphincterectomy: technique, indications, contraindications, complications and early results] Garbarini A, et al. **Minerva Chir** 1982 Feb 15;37(3):161-6 (Eng. Abstr.) **(Ita)**

[Esophageal pH telemetry. A new method for monitoring the pH of the esophagus] Romeo G, et al. **Minerva Chir** 1982 Feb 28;37(4):333-8 **(Ita)**

[Two cases of broken stylet (author's transl)] Higuchi M, et al. **Masui** 1982 Feb;31(2):171-5 **(Jpn)**

[On conservative treatment of complications following cervical oesophagus perforation by foreign bodies (author's transl)] Szmeja Z, et al. **Otolaryngol Pol** 1981;35(4-6):303-7 (Eng. Abstr.) **(Pol)**

[Microbattery as a foreign body in the esophagus] Zapolna-Kaźmierczak W, et al. **Otolaryngol Pol** 1981; 35(2):181-3 (Eng. Abstr.) **(Pol)**

[Case of aortic hemorrhage during removal of a foreign body from the esophagus] Ziemski T. **Wiad Lek** 1982 May 1; 35(3-4):229-32 (Eng. Abstr.) **(Pol)**

[Chronic foreign bodies of the esophagus occurring with respiratory disorders] Nikolov RB, et al. **Pediatriia** 1982 May;(5):75 **(Rus)**

[Foreign body in the demusculated esophagus] Tolstoĭ IG, et al. **Vestn Khir** 1981 Aug;127(8):69 **(Rus)**

ABNORMALITIES

Technique for pneumatic dilatation in achalasia complicated by 'sigmoid' esophagus. Holloway RH, et al. **J Clin Gastroenterol** 1982 Apr;4(2):123-5

Neural tube defects and tracheo-esophageal dysraphism [letter] Baird PA. **Lancet** 1982 Sep 11;2(8298):615

Familial lower esophageal rings [letter] Longstreth GF. **N Engl J Med** 1982 Aug 12;307(7):443

The association of esophageal duplication cyst with esophageal atresia. Kirks DR, et al. **Pediatr Radiol** 1981; 11(4):214-6

A genetic factor controlling morphogenesis of the laryngotracheo-esophageal complex the mouse. Essien FB, et al. **Teratology** 1981 Oct;24(2):235-9

[Association between a posterior laryngeal cleft and esophageal atresia. Apropos of 2 cases treated successfully] Andrieu-Guitrancourt J, et al. **J Fr Otorhinolaryngol** 1981 Dec;30(10):633-47 **(Fre)**

[Rings and membranes of the esophagus] Janisch HD, et al. **Internist (Berlin)** 1982 Jan;23(1):19-22 **(Ger)**

[A rare opening of great biliary ducts - esophagobiliary communication (author's transl)] Sarajlić M, et al. **ROFO** 1981 Dec;135(6):668-72 (Eng. Abstr.) **(Ger)**

[Duplication of the oesophagus (author's transl)] Lingg G, et al. **Rontgenblatter** 1981 Aug;34(8):321-2 (Eng. Abstr.) **(Ger)**

[Laryngo-tracheo-oesophageal cleft and G-syndrome--interposition of a flap from the sternocleidomastoid muscle (author's transl)] Sauer H, et al. **Z Kinderchir** 1981 Jan;32(1):29-37 (Eng. Abstr.) **(Ger)**

[Complete laryngotracheoesophageal cleft. Report of a new case and review of the literature (author's transl)] García Mérida M, et al. **An Esp Pediatr** 1981 May;14(5):356-69 (Eng. Abstr.) **(Spa)**

[Laryngotracheoesophageal cleft] Baeza Herrera C, et al. **Boi Med Hosp Infant Mex** 1981 May-Jun;38(3):485-92 (Eng. Abstr.) **(Spa)**

ANATOMY & HISTOLOGY

Quantitative ultrastructural anatomy of esophagus in different regions in the horse: effects of alternate methods of tissue processing. Slocombe RF, et al. **Am J Vet Res** 1982 Jul; 43(7):1137-42

Morphometric study of the esophageal mucosa in cirrhotic patients with variceal bleeding. Ponce J, et al. **Hepatology** 1981 Nov-Dec;1(6):641-6

Histochemistry of the striated musculature in the opossum and human oesophagus. Shedlofsky-Deschamps G, et al. **J Anat** 1982 Mar;134 (Pt 2):407-14

BLOOD SUPPLY

Observations on esophageal blood supply. Williams DB, et al. **Mayo Clin Proc** 1982 Jul;57(7):448-53

[Splenectomy and gastroesophageal devascularization in the treatment of portal hypertension: report of 123 cases (author's transl)] Lu EC. **Chung Hua Wai Ko Tsa Chih** 1981 Sep;19(9):522-5 (Eng. Abstr.) **(Chi)**

[The oesophageal arteries of cervical origin. An anatomical study of 23 dissected preparations (author's transl)] Vallée B, et al. **Ann Otolaryngol Chir Cervicofac** 1982; 99(1-2):29-34 (Eng. Abstr.) **(Fre)**

CYTOLOGY

Explant culture of rat esophagus in a chemically defined medium. Stoner GD, et al. **In Vitro** 1981 Aug;17(8):681-8

Immunohistochemical studies on enteric substance P of extrinsic origin in the cat. Hayashi H, et al. **J Auton Nerv Syst** 1982 Mar;5(2):207-17

DRUG EFFECTS

Neuroleptic-associated dysphagia confirmed by esophageal manometry. Moss HB, et al. **Am J Psychiatry** 1982 Apr; 139(4):515-6

Verapamil--a potent inhibitor of esophageal contractions in the baboon. Richter JE, et al. **Gastroenterology** 1982 May; 82(5 Pt 1):882-6

Atropine, bethanechol, and esophageal motility [letter] Russell CO, et al. **Gastroenterology** 1982 Aug;83(2):519-20

The toxicity of bile salt conjugates on human esophageal epithelium grown in tissue culture. Bachir GS, et al. **J Surg Res** 1982 Jun ;2(6):547-54

[Effect of pirenzepine on human esophageal motility (author's transl)] Denis P, et al. **Gastroenterol Clin Biol** 1982 Jan; 6(1):27-31 (Eng. Abstr.) **(Fre)**

[Effect of a single dose of hydroxyurea on cell division in the esophageal and lingual epithelium of mice] Rybakov VP, et al. **Biull Eksp Biol Med** 1981 Oct;91(10):492-3 (Eng. Abstr.) **(Rus)**

EMBRYOLOGY

[Glycosaminoglycan composition of chick embryo digestive tract during development] Becchetti E, et al. **Boll Soc Ital Biol Sper** 1981 Apr 30;57(8):835-41 (Eng. Abstr.) **(Ita)**

[Evolutionary dynamics of the epithelial formations of the esophageal tract in light of Severtsov's theory of phyloembryogenesis] Bazhanov AN, et al. **Usp Sovrem Biol** 1981 Sep-Oct;92(2):294-10 (87 ref.) **(Rus)**

ENZYMOLOGY

An analysis of the isoenzymes of creatine phosphokinase and lactic dehydrogenase in the esophagus. Graeber GM, et al. **Ann Thorac Surg** 1981 Sep;32(3):230-4

Enhancement of glutathione S-transferase activity of the esophagus by phenols, lactones, and benzyl isothiocyanate. Sparnins VL, et al. **Cancer Res** 1982 Apr;42(4):1205-7

Congenital esophageal atresia: lipase activity is present in the esophageal pouch and stomach. Salzman-Mann C, et al. **Dig Dis Sci** 1982 Feb;27(2):124–8

A unique 'mini' pepsinogen isolated from bullfrog esophageal glands. Shugerman RP, et al. **J Biol Chem** 1982 Jan 25; 257(2):795–8

GROWTH & DEVELOPMENT

Increased proliferation of the epithelium of the proximal alimentary tract of EFA-deficient rats: a light and electron microscopy study. Eynard AR, et al. **Exp Mol Pathol** 1982 Apr;36(2):135–43

IMMUNOLOGY

Pemphigus vulgaris. Superior sensitivity of monkey esophagus in the determination of pemphigus antibody. Feibelman C, et al. **Arch Dermatol** 1981 Sep;117(9):561–2

Tissue demonstration of carcinoembryonic antigen (CEA) in columnar esophageal epithelium. Geboes K, et al. **Hepatogastroenterology** 1981 Dec;28(6):324–6

INJURIES

Rupture of the oesophagus following cricoid pressure [letter] Notcutt WG. **Anaesthesia** 1981 Sep;36(9):911

Rupture of the oesophagus following cricoid pressure? [letter] Sellick BA. **Anaesthesia** 1982 Feb;37(2):213–4

Esophageal burn and the microwave oven [letter] Lieberman DA, et al. **Ann Intern Med** 1982 Jul;97(1):137

Use of the rhomboid major muscle flap for esophageal repair. Lucas AE, et al. **Ann Thorac Surg** 1982 Jun;33(6):619–23

Pedicle flap of the diaphragm for the repair of oesophageal injuries [letter] Critselis AN. **Br J Surg** 1981 Oct; 68(10):749–50

Esophageal perforation and endoscopy [letter] Kirkham JS. **Dig Dis Sci** 1981 Sep;26(9):860

Traumatic oesophageal rupture in the horse. Digby NJ, et al. **Equine Vet J** 1982 Apr;14(2):169–70

Chemical burns of the esophagus in children. Ivanov I, et al. **Folia Med (Plovdiv)** 1981;23(2):32–5

Lye ingestion. Clinical patterns and therapeutic implications. Oakes DD, et al. **J Thorac Cardiovasc Surg** 1982 Feb; 83(2):194–204

Bullet wounds of the trachea. Symbas PN, et al. **J Thorac Cardiovasc Surg** 1982 Feb;83(2):235–8

Caustic agent ingestion calls for esophagoscopy [news] Korcok M. **JAMA** 1982 Jul 23;248(4):409

Cervical osteomyelitis after esophageal perforation. Mattingly WT, et al. **South Med J** 1982 May;75(5):626–7

Options in management of trauma to the esophagus. Cheadle W, et al. **Surg Gynecol Obstet** 1982 Sep;155(3):380–4

The value of early endoscopy following caustic ingestion. Sugawa C, et al. **Surg Gynecol Obstet** 1981 Oct; 153(4):553–6

Acute management of alkali ingestion in children: a review. Buttross S, et al. **Tex Med** 1981 Nov;77(11):57–60

Oesophageal rupture due to gastrostomy catheter. Abrams LD, et al. **Z Kinderchir** 1981 Jul;33(3):274–5

[Barotraumatic rupture of the esophagus : a case report (author's transl)] Letoquart JP, et al. **J Chir (Paris)** 1981 Sep;118(8–9):483–6 (Eng. Abstr.) **(Fre)**

[Study of 58 intrathoracic complications in 166 accidental or iatrogenic esophageal injuries] Besson A, et al. **Schweiz Med Wochenschr** 1981 Oct 24;111(43):1602–7 (Eng. Abstr.) **(Fre)**

[Accidental ingestion of corrosives by children (author's transl)] Eichler HG, et al. **Padiatr Padol** 1981;16(4):489–94 (Eng. Abstr.) **(Ger)**

[Acid and alkali burns of the esophagus, stomach and duodenum] Widmer F, et al. **Schweiz Med Wochenschr** 1982 May 22;112(21):742–50 (Eng. Abstr.) **(Ger)**

[Coloplasty in the late reconstruction of esophageal injuries caused by caustic substances in childhood] Altorjay I, et al. **Orv Hetil** 1981 Dec 27;122(52):3201–4 **(Hun)**

[Diagnostic and therapeutic problems in lesions caused by caustics in the upper digestive tract] Iachino C, et al. **Chir Ital** 1981 Jun;33(3):699–703 (Eng. Abstr.) **(Ita)**

[Esophago-gastric lesions caused by caustics. Trends in diagnosis in intensive therapy] Cetrullo C. **Minerva Chir** 1981 Dec 15–31;36(23–24):1597–600 (25 ref.) **(Ita)**

[Lesions of the esophagus caused by caustics] Fersini M, et al. **Minerva Chir** 1982 Feb 28;37(4):325–32 **(Ita)**

[Traumatic pharyngo-esophageal pseudodiverticulum in a newborn infant. Report of a case with a review of the literature] Kalume R de S, et al. **AMB** 1981 Apr; 27(4):127–30 **(Por)**

[Prolonged intubation with a silicone tube in the treatment of penetrating injuries of the esophagus] Aliev MA, et al. **Grudn Khir** 1981;(6):69–71 (Eng. Abstr.) **(Rus)**

[Chemical injuries to the esophagus] Glotov VA. **Khirurgiia (Mosk)** 1982 Mar;(3):38–42 (Eng. Abstr.) **(Rus)**

[Treatment of chemical burns of the esophagus] Glotov VA. **Khirurgiia (Mosk)** 1982 Apr;(4):17–21 (Eng. Abstr.) **(Rus)**

[Esophagogastroduodenoscopy in acute diseases and injuries of the upper segment of the digestive system and their complications] Belov IN. **Klin Khir** 1981 Aug;(8):50–2 (Eng. Abstr.) **(Rus)**

[Double gastrostomy in treating complicated esophageal injuries and acquired tracheoesophageal fistulae in children] Danilenko MV, et al. **Klin Khir** 1981 Jun;(6):22–5 **(Rus)**

INNERVATION

Sensory vagal nature and anatomical access paths to esophagus laminar nerve endings in myenteric ganglia. Determination by surgical degeneration methods. Rodrigo J, et al. **Acta Anat (Basel)** 1982;112(1):47–57

Neuromuscular functions in esophageal smooth muscle of opossums as differently affected by veratrum alkaloids. Christensen J, et al. **Gastroenterology** 1981 Nov; 81(5):866–71

Transmembrane voltage of opossum esophageal smooth muscle and its response to electrical stimulation of intrinsic nerves. Decktor DL, et al. **Gastroenterology** 1982 Feb; 82(2):301–8

Cholinergic effects on esophageal transit and clearance. Phaosawasdi K, et al. **Gastroenterology** 1981 Nov; 81(5):915–20

Depression of mechanical and electrical activity in muscle strips of opossum stomach and esophagus by acidosis. Schulze-Delrieu K, et al. **Gastroenterology** 1982 Apr; 82(4):720–4

Ultrastructure of free-ending nerve fibres in oesophageal epithelium. Robles-Chillida EM, et al. **J Anat** 1981 Sep; 133(Pt 2):227–33

Reflex inhibition of the diaphragm by esophageal afferents. De Troyer A, et al. **Neurosci Lett** 1982 May 17;30(1):43–6

[An investigation of the location of the motoneurons innervating the pharyngeal constrictors and the cervical esophagus muscles of cats using horseradish peroxidase method (author's transl)] Yoshida Y, et al. **Nippon Jibiinkoka Gakkai Kaiho** 1981 Jul;84(7):758–61 (Eng. Abstr.) **(Jpn)**

[Esophageal denervation determined by superselective vagotomy] Barroso FL, et al. **Rev Hosp Clin Fac Med Sao Paulo** 1981 Dec;36(6):248–51 (Eng. Abstr.) **(Por)**

[Effect of thyroxine and methylthiouracil on the development of intramural ganglia in the chick embryo digestive tube] Suvorova LV, et al. **Arkh Anat Gistol Embriol** 1982 Feb; 82(2):24–31 (Eng. Abstr.) **(Rus)**

METABOLISM

The use of oesophageal pH-monitoring for the evaluation of gastrooesophageal reflux after resection of the cardia and total gastrectomy. Orel J, et al. **Acta Chir Iugosl** 1981; 28(2):203–9

Comparison of benzo(a)pyrene metabolism in bronchus, esophagus, colon, and duodenum from the same individual. Autrup H, et al. **Cancer Res** 1982 Mar;42(3):934–8

Metabolism of N-nitrosamines by cultured human and rat esophagus. Autrup H, et al. **Cancer Res** 1982 Apr; 42(4):1307–11

Esophageal and hepatic microsomal metabolism of N-nitrosomethylbenzylamine and N-nitrosodimethylamine in the rat. Labuc GE, et al. **Cancer Res** 1982 Aug; 42(8):3181–6

Metabolism of N'-nitrosonornicotine by cultured rat esophagus. Hecht SS, et al. **Carcinogenesis** 1982;3(4):453–6

Mucin histochemistry of the columnar epithelium of the oesophagus: a retrospective study. Jass JR. **J Clin Pathol** 1981 Aug;34(8):866–70

Fermentation and VFA production in the esophageal sac of Microtus montebelli fed different rations. Kudo H, et al. **Nippon Juigaku Zasshi** 1981 Jun;43(3):299–305

MICROBIOLOGY

[Comparative histological and cultural investigations on the occurrence of yeasts in autopsy material (author's transl)] Weber A, et al. **Mykosen** 1982 Feb;25(2):82–8 (Eng. Abstr.) **(Ger)**

PATHOLOGY

Dysplasia and reserve cell hyperplasia-like change in human esophagus. Takubo K, et al. **Acta Pathol Jpn** 1981 Nov; 31(6):999–1013

Oesophagitis in Italian and Hungarian asymptomatic subjects. Cheli R, et al. **Endoscopy** 1982 Jan;14(1):1–3

Morphological changes in the terminal oesophagus with varices, following sclerosis of the wall. Helpap B, et al. **Endoscopy** 1981 Nov;13(6):229–33

'Ebb phenomenon' -- diagnosis of submucosal diffuse invasion of esophageal cancer. Kumagai Y, et al. **Endoscopy** 1982 Jan;14(1):6–8

Inflammatory and structural changes in the opossum esophagus after resection of the cardia. Schulze-Delrieu K, et al. **Gastroenterology** 1982 Feb;82(2):276–83

Intraepithelial eosinophils: a new diagnostic criterion for reflux esophagitis. Winter HS, et al. **Gastroenterology** 1982 Oct;83(4):818–23

Oesophageal varices treated by sclerotherapy: a histopathological study. Evans DM, et al. **Gut** 1982 Jul; 23(7):615–20

[Genetic etiology of esophageal cancer: II. Cytogenetic studies on peripheral blood cells of esophageal cancer and epithelial dysplasia patients with positive family history in Linxian County (author's transl)] Wu YQ, et al. **Chung Hua Chung Liu Tsa Chih** 1981 Feb;3(1):12–5 (Eng. Abstr.) **(Chi)**

[Morphological findings in the distal end of the oesophagus after sclerosis of bleeding varices (author's transl)] Hamm B, et al. **Dtsch Med Wochenschr** 1982 Feb 26;107(8):293–8 (Eng. Abstr.) **(Ger)**

[Morphology of the lower esophagus after endoscopic varicosclerosation (author's transl)] Hansen H, et al. **Langenbecks Arch Chir** 1981;354(3):199–207 (Eng. Abstr.) **(Ger)**

[Barrett's epithelium and adenocarcinomas of the esophagogastric junction: an anatomopathological contribution to their interpretation] Giarelli L, et al. **Pathologica** 1981 Sep-Oct;73(1027):723–8 (Eng. Abstr.) **(Ita)**

[Method for the objective evaluation of the state of the esophageal mucosa in reflux esophagitis (based on target biopsy data)] Loginov AS, et al. **Arkh Patol** 1981; 43(12):65–8 (Eng. Abstr.) **(Rus)**

[Diagnostic accuracy of biopsy and endoscopic cytology in cancer of the esophagus and stomach. Experience and analysis of error factors] Martinez Carvajal R, et al. **Rev Gastroenterol Mex** 1981 Apr-Jun;46(2):59–62 (Eng. Abstr.) **(Spa)**

PHYSIOLOGY

Oxygen uptake and mechanical tension in esophageal smooth muscle from opossums and cats. Schulze-Delrieu K, et al. **Am J Physiol** 1982 Mar;242(3):G258–62

Twenty-four hour esophageal pH monitoring by telemetry. Cost-effective use in outpatients. Falor WH, et al. **Am J Surg** 1981 Oct;142(4):514–6

Diaphragmatic EMG and transdiaphragmatic pressure measurements with a single catheter. Onal E, et al. **Am Rev Respir Dis** 1981 Nov;124(5):563–5

Multiple electrode impedance plethysmography system for monitoring grazing dynamics. Stuth JW, et al. **Biomed Sci Instrum** 1981;17:121–4

Measurement of esophageal pressure in newborn infants using an esophageal balloon gastric catheter. Pokora TJ, et al. **Crit Care Med** 1982 Aug;10(8):522–4

Clinical applications of esophageal manometry. Castell DO. **Dig Dis Sci** 1982 Sep;27(9):769–71

Alteration of esophageal peristalsis by body position. Kaye MD, et al. **Dig Dis Sci** 1981 Oct;26(10):897–901

Esophageal manometry: a benefit and cost analysis. Meshkinpour H, et al. **Dig Dis Sci** 1982 Sep;27(9):772–5

Myocardial transmural pressure in ventilated patients. Skarvan K, et al. **Intensive Care Med** 1981;7(6):277–83

Extrapericardial and esophageal pressures with positive end-expiratory pressure in dogs. Craven KD, et al. **J Appl Physiol** 1981 Oct;51(4):798–805

Modulation of esophageal peristalsis by vagal efferent stimulation in opossum. Gidda JS, et al. **J Clin Invest** 1981 Dec;68(6):1411–9

Oesophageal and diaphragmatic activity during sucking in lambs. Harding R, et al. **J Physiol (Lond)** 1981 Dec; 321:317–29

Human esophageal response during chest pain induced by swallowing cold liquids. Meyer GW, et al. **JAMA** 1981 Nov 6;246(18):2057–9

Vasoactive intestinal peptide causes peristaltic contractions in the esophageal body. Rattan S, et al. **Life Sci** 1982 May 3;30(18):1557–63

Combined pH and pressure measurement device for oesophageal investigations. Ask P, et al. **Med Biol Eng Comput** 1981 Jul;19(4):443–6

Effect of inspiratory flow rate on the esophageal pressure gradient in upright humans. Dosman JA, et al. **Respir Physiol** 1981 Nov;46(2):105–12

Fourier-analysis of peristaltic pressure variations in the oesophagus during a 12-hour investigation. A study in normal subjects. Madsen T, et al. **Scand J Clin Lab Invest** 1981 Apr;41(2):203–8

Esophageal peristalsis before, during, and after food intake in healthy people. Funch-Jensen P, et al. **Scand J Gastroenterol** 1981;16(2):209–12

[Ambulatory long-term pH-monitoring of the esophagus (author's transl)] Emde C. **Z Gastroenterol** 1982 Jul; 20(7):373–5 **(Ger)**

[Esophageal EMG activity in the pigeon (Columbia livia) in vivo] Abbadessa Urso S, et al. **Boll Soc Ital Biol Sper** 1981 Jul 30;57(14):1555–61 (Eng. Abstr.) **(Ita)**

[The effect of the Valsalva and Müller maneuvers on right and left atrial dimensions in man studied by esophageal echocardiography (author's transl)] Toma Y, et al. **J Cardiogr** 1981 Jun;11(2):477–84 (Eng. Abstr.) **(Jpn)**

[The motility of the body of the esophagus in normal subjects] Dantas RO, et al. **Rev Paul Med** 1981 Apr-Jun;97(4–6):54–7 (Eng. Abstr.) **(Por)**

[Morphohistochemical and electrophysiological characteristics of the transverse striated muscles of the rabbit esophagus] Bazhenov DV, et al. **Arkh Anat Gistol Embriol** 1981 Oct;81(10):51–8 (Eng. Abstr.) **(Rus)**

PHYSIOPATHOLOGY

Irreversible esophageal motor dysfunction in postvagotomy dysphagia. Gelfand MD. **Am J Gastroenterol** 1981 Oct; 76(4):347–50

Hypertensive peristalsis in the pathogenesis of chest pain: further exploration of the 'nutcracker' esophagus. Orr WC, et al. **Am J Gastroenterol** 1982 Sep;77(9):604–7

Gastric emptying and gastroesophageal reflux. Effects of surgery and correlation with esophageal motor function.

Velasco N, et al. **Am J Surg** 1982 Jul;144(1):58–62

The role of the vague nerve in airway narrowing caused by intraesophageal hydrochloric acid provocation and esophageal distention. Mansfield LE, et al. **Ann Allergy** 1981 Dec;47(6):431–4

Pharyngoesophageal motor function in patients with myotonic dystrophy. Swick HM, et al. **Ann Neurol** 1981 Nov;10(5):454–7

Manometric oesophageal function, acid perfusion test and symptomatology in a 55-year-old general population. Kjellén G, et al. **Clin Physiol** 1981 Aug;1(4):405–15

Esophageal dysfunction in patients with mixed connective tissue diseases and systemic lupus erythematosus. Gutierrez F, et al. **Dig Dis Sci** 1982 Jul;27(7):592–7

Return of esophageal peristalsis in achalasia secondary to gastric cancer. Menin R, et al. **Dig Dis Sci** 1981 Nov; 26(11):1038–44

Esophageal function in esophageal atresia. Werlin SL, et al. **Dig Dis Sci** 1981 Sep;26(9):796–800

Esophageal manifestations of multisystem diseases. Mapp E. **J Natl Med Assoc** 1980 Dec;72(12):1159–64

Relationship of a hiatal hernia to the function of the body of the esophagus and the gastroesophageal junction. DeMeester TR, et al. **J Thorac Cardiovasc Surg** 1981 Oct; 82(4):547–58

Changes in mean esophageal pressure during early recovery in mechanically-ventilated neonates--evidence for airway-closure and gas-trapping? Rothberg AD, et al. **Pediatr Res** 1981 Dec;15(12):1468–72

Esophageal motility and pulmonary function in progressive systemic sclerosis. Denis P, et al. **Respiration** 1981; 42(1):21–4

Radionuclide studies of esophageal transit and gastroesophageal reflux. Malmud LS, et al. **Semin Nucl Med** 1982 Apr;12(2):104–15

Case of the spring season. Franceschi P. **Semin Roentgenol** 1982 Apr;17(2):93–4

Relation between esophagogastric junction and esophageal function in patients with reflux esophagitis. Harasawa S, et al. **Tokai J Exp Clin Med** 1982 Mar;7(2):187–99

[Infant esophageal pH monitoring (author's transl)] Gille P, et al. **Chir Pediatr** 1982 Mar-Apr;23(2):69–72 (Eng. Abstr.) **(Fre)**

[Intraflow technic in esophageal manometry: advantages and shortcomings] Barone Adesi TL, et al. **Chir Patol Sper** 1980 Dec;28(6):396–401 (Eng. Abstr.) **(Ita)**

[Prediction of the location of left anterior descending coronary artery disease by anterior echocardiography and esophageal echocardiography (author's transl)] Matsuzaki M, et al. **J Cardiogr** 1981 Jun;11(2):401–14 (Eng. Abstr.) **(Jpn)**

[The motorics of oesophagus and its disturbances (author's transl)] Różyłło E. **Przegl Lek** 1981;38(7):526–9 **(Pol)**

[Results of the surgical treatment of non-advanced Chagas megaesophagus. Functional aspects of the operated esophagus] Ellenbogen G, et al. **Rev Hosp Clin Fac Med Sao Paulo** 1981 Dec;36(6):252–7 (Eng. Abstr.) **(Por)**

RADIOGRAPHY

Gastroesophageal deformities of left ventricular-abdominal aortic conduit. Bickers GH, et al. **AJR** 1982 May; 138(5):867–9

Tracheoesophageal fistula. A complication of foreign body. Obiako MN. **Ann Otol Rhinol Laryngol** 1982 May-Jun;91(3 Pt 1):325–7

Roentgenogram of the month. Esophageal displacement secondary to blunt chest trauma. Traumatic transection of the descending thoracic aorta. Brandt B 3d, et al. **Chest** 1982 Jan;81(1):99–100

Cervical oesophageal webs in patients with dysphagia. Ekberg O. **Clin Radiol** 1981 Nov;32(6):633–41

Double-contrast examination of the oesophagus: the radiological changes of peptic oesophagitis. McDermott P, et al. **Clin Radiol** 1982 May 3;33(3):259–64

Observations on the potential role of oesophageal radiography in the horse. Greet TR. **Equine Vet J** 1982 Jan;14(1):73–9

The case of the cricopharyngeal achalasia. Seaman WB. **Hosp Pract** 1982 Aug;17(8):194–5

Esophageal roentgenographic 'abnormalities' in patients without esophageal symptoms. Kaufmann HJ. **J Clin Gastroenterol** 1979 Dec;1(4):313–6

Radiographic evaluation of the esophagus and its motor disorders. Stewart ET. **Med Clin North Am** 1981 Nov; 65(6):1173–94

A foreign body in the oesophagus as a cause of respiratory distress. Beer S, et al. **Pediatr Radiol** 1982;12(1):41–2

Esophageal involvement in a case of congenital myotonic dystrophy. Mabille JP, et al. **Pediatr Radiol** 1982; 12(2):89–91

Barium examination of the esophagus after total laryngectomy. Balfe DM, et al. **Radiology** 1982 May; 143(2):501–8

The esophageal-pleural stripe: an update. Cimmino CV. **Radiology** 1981 Sep;140(3):609–13

Radiographic findings in the esophagus following the Sugiura procedure. Greenspan R, et al. **Radiology** 1982 Jul; 144(2):245–7

Radiographic effects of cold barium suspensions on esophageal motility. Ott DJ, et al. **Radiology** 1981 Sep; 140(3):830–3

Mega-aeroesophagus in children: a sign of gastroesophageal reflux. Swischuk LE, et al. **Radiology** 1981 Oct;141(1):73–6

Submucosal esophagography for esophageal cancer. Osugi H, et al. **World J Surg** 1981 Sep;5(5):703–6

[New method of double contrast examination of the esophagus (author's transl)] Szenes T, et al. **ROFO** 1981 Oct;135(4):441–5 (Eng. Abstr.) **(Ger)**

[Röentgen diagnosis of the esophagus, stomach and intestinal tract in adults. New methods and contrast media] Lammer J, et al. **Rontgenpraxis** 1982 Mar;35(3):79–85 **(Ger)**

[A radiological study of early esophageal carcinoma-with special reference to the superficial flat lesions (author's transl)] Katayama H, et al. **Nippon Igaku Hoshasen Gakkai Zasshi** 1981 Mar; 41(3):194–201 (Eng. Abstr.) **(Jpn)**

[X-ray and endoscopic findings of esophageal and terminal ileal ulcers with Behçet disease: report of a case (author's transl)] Yamasuji T, et al. **Rinsho Hoshasen** 1981 Apr; 26(4):517–20 (Eng. Abstr.) **(Jpn)**

[Potentials of x-ray and endoscopic study methods in the diagnosis of cancer recurrences in the area of the esophageal anastomoses] Kokhanova GA, et al. **Klin Khir** 1982 May;(5):11–4 (Eng. Abstr.) **(Rus)**

[Esophageal motor function in cardiospasm based on x-ray cinematographic data] Kuznetsov AV. **Klin Khir** 1981 Oct; (10):36–9 **(Rus)**

[Pneumoesophagotomography in the differential diagnosis of esophageal cancer and secondary deviations] Romanychev IuA, et al. **Vestn Rentgenol Radiol** 1981 Nov-Dec;(6):28–33 (Eng. Abstr.) **(Rus)**

[Improved method of x-ray study of the pharynx and esophagus] Vlasov PV, et al. **Vestn Rentgenol Radiol** 1981 Jul-Aug;(4):5–11 (Eng. Abstr.) **(Rus)**

RADIONUCLIDE IMAGING

Computerized scintigraphy of oesophageal bolus transit in asthmatics. Kjellén G, et al. **Int J Nucl Med Biol** 1981; 8(2–3):153–8

SECRETION

[A method to transmucosal transport in the human esophagus (author's transl)] Stucke D, et al. **Z Gastroenterol** 1982 Jan; 20(1):29–32 (Eng. Abstr.) **(Ger)**

SURGERY

An alternative fundoplicative maneuver for gastroesophageal reflux. Boutelier P, et al. **Am J Surg** 1982 Feb;143(2):260–4

Intrathoracic fundoplication for shortened esophagus. Treacherous solution to a challenging problem. Richardson JD, et al. **Am J Surg** 1982 Jan;143(1):29–35

Single layer suture by manual or mechanical stapling technique in esophagojejunostomy after total gastrectomy. Sannohe Y, et al. **Am J Surg** 1981 Sep;142(3):403–6

Esophagectomy without thoracotomy for carcinoma of the esophagus. Tryzelaar JF, et al. **Am J Surg** 1982 Apr; 143(4):486–9

Use of Teflon pledgets in esophageal anastomoses. Zilberstein B, et al. **Am J Surg** 1982 Sep;144(3):374–5

Esophageal healing in the pony: comparison of sutured vs nonsutured esophagotomy. Stick JA, et al. **Am J Vet Res** 1981 Sep;42(9):1506–13

When should the esophagus be lengthened? [editorial] Ellis FH Jr. **Ann Thorac Surg** 1982 Jun;33(6):531–3

A modified Sugiura procedure. Ginsberg RJ, et al. **Ann Thorac Surg** 1982 Sep;34(3):258–64

Reflux control following myotomy in diffuse esophageal spasm. Henderson RD, et al. **Ann Thorac Surg** 1982 Sep; 34(3):230–6

Esophagectomy: definitive treatment for esophageal neuromotor dysfunction. Orringer MB, et al. **Ann Thorac Surg** 1982 Sep;34(3):237–48

The use of diaphragmatic pedicle grafts for reconstructive procedures in the esophagus and tracheobronchial tree. Westaby S, et al. **Ann Thorac Surg** 1982 May;33(5):486–90

Gastric pull-up vs deltopectoral flap for reconstruction of the cervical esophagus. Fredrickson JM, et al. **Arch Otolaryngol** 1981 Oct;107(10):613–6

Selective myotomy for voice restoration after total laryngectomy. Singer MI, et al. **Arch Otolaryngol** 1981 Nov;107(11):670–3

The Singer-Blom voice restoration procedure. Wetmore SJ, et al. **Arch Otolaryngol** 1981 Nov;107(11):674–6

Long oesophageal myotomy for diffuse spasm of the oesophagus. McGiffin D, et al. **Aust NZ J Surg** 1982 Apr; 52(2):193–7

Secondary repair of oesophagus following spontaneous rupture with the use of a Celestin tube. McLaughlin SJ, et al. **Aust NZ J Surg** 1982 Feb;52(1):83–6

Follow-up results of the reconstruction after total gastrectomy with figure-6 loop small intestine. Kondo T, et al. **Br J Clin Pract** 1981 Jun;35(6):209–14

A trial comparing the use of penicillin and streptomycin, and flucloxacillin and ampicillin prophylactically in patients undergoing major thoracic surgery. Moghissi K, et al. **Br J Clin Pract** 1981 Jul-Aug;35(7–8):250–3

Studies of the prophylactic use of a combination of ampicillin and flucloxacillin in patients undergoing major thoracic surgery. Moghissi K, et al. **Br J Clin Pract** 1981 Jul-Aug; 35(7–8):268–71

To facilitate the insertion of the EEA autosuture head into the oesophagus. Alexander-Williams J. **Br J Surg** 1982 Apr; 69(4):196

Five years' experience in stapling the oesophagus and rectum. Graham HK, et al. **Br J Surg** 1981 Oct;68(10):697–700

A trial of total gastrectomy, combined with total thoracic oesophagectomy without formal thoracotomy, for carcinoma at or near the cardia of the stomach. Kirk RM. **Br J Surg** 1981 Aug;68(8):577–9

Intrathoracic gastric bypass for carcinoma of oesophagus found unresectable at exploration. Lam KH, et al. **Br J Surg** 1982 Feb;69(2):71–3

Scintigraphic demonstration of acute gastrointestinal bleeding in a colonic interposition. Fisher MF, et al. **Clin Nucl Med** 1982 May;7(5):225–6

Achalasia following esophageal surgery. Toffolon EP, et al. **Conn Med** 1982 May;46(5):249–50

Palliative endoscopic treatment of malignant esophageal stenosis using a Häring prosthesis. Balmes JL, et al. **Digestion** 1982;23(1):31–8

Oesophageal resection and anastomosis as a treatment for oesophageal stricture in the horse. Suann CJ. **Equine Vet J** 1982 Apr;14(2):163–4

Six years' experience of oesophageal transection for oesophageal varices, using a circular stapling gun. Johnston GW. **Gut** 1982 Sep;23(9):770–3

Traction diverticulum: a complication of cervical esophagostomy. Kaplan HJ, et al. **Head Neck Surg** 1982 Jan-Feb;4(3):237–9

Reconstruction of the hypopharynx and cervical esophagus with bilateral pectoralis major myocutaneous flaps. Strawberry CW, et al. **Head Neck Surg** 1981 Nov-Dec; 4(2):161–4

Carcinomas developing in the reconstructed esophagus. Akiyama H, et al. **Int Adv Surg Oncol** 1982;5:145–61

Freezing of the esophagus: histological changes and immunological response. Graña L, et al. **Int Surg** 1981 Oct-Dec;66(4):295–301

Effectiveness of Nissen fundoplication for gastroesophageal reflux in children as measured by 24-hour intraesophageal pH monitoring. Berquist WE, et al. **J Pediatr Surg** 1981 Dec;16(6):872–5

Paraesophageal hernia: a major complication of Nissen's fundoplication. Festen C. **J Pediatr Surg** 1981 Aug; 16(4):496–9

Technical considerations of experimental esophageal anastomosis. Kullendorff CM, et al. **J Pediatr Surg** 1981 Dec;16(6):979–82

Fundoplication and pyloroplasty--a surgical treatment for intractable 'cyclic vomiting' in familial dysautonomia. Vinograd I, et al. **J Pediatr Surg** 1982 Feb;17(1):80–1

Motor activity after colon replacement of esophagus. Manometric evaluation. Benages A, et al. **J Thorac Cardiovasc Surg** 1981 Sep;82(3):335–40

Eradication and palliation of squamous cell carcinoma of the esophagus with chemotherapy, radiotherapy, and surgical therapy. Steiger Z, et al. **J Thorac Cardiovasc Surg** 1981 Nov;82(5):713–9

Extented esophago-gastretomy as surgical treatment for carcinoma of the cardia. Gonzalez EM, et al. **Jpn J Surg** 1981;11(5):311–6

A new stapling technique in esophageal mucosal transection. Hirashima T, et al. **Jpn J Surg** 1982;12(2):160–2

The free jejunal graft in head and neck reconstruction. Gluckman JL, et al. **Laryngoscope** 1981 Nov;91(11):1887–95

Observations on esophageal blood supply. Williams DB, et al. **Mayo Clin Proc** 1982 Jul;57(7):448–53

'Tubo-ovarian abscess' with a difference [letter] Roberton HR. **Med J Aust** 1981 Sep 5;2(5):258–9

Esophageal obstruction by a wood bolus. Harris JM. **Mod Vet Pract** 1981 Apr;62(4):302–304

Retrieving endotracheal tube from esophagus: a simple method. Yoon JJ, et al. **NY State J Med** 1982 Jun; 82(7):1104–5

Reconstruction of pharyngoesophagus using mucosa of epiglottis. Sabri JA. **Otolaryngol Head Neck Surg** 1981 Sep-Oct;89(5):746–9

Total extrathoracic neoesophageal construction by combined cutaneous and myoepithelial flaps. Tenta LT, et al. **Otolaryngol Head Neck Surg** 1982 Jan-Feb;90(1):32–6

Immediate reconstruction of the pharynx and cervical esophagus with the pectoralis major myocutaneous flap following laryngopharyngectomy. Withers EH, et al. **Plast Reconstr Surg** 1981 Dec;68(6):898–904

Esophageal and duodenal approach for testing duodenogastric reflux in dogs. Hollinger A, et al. **Res Exp Med (Berl)** 1982;180(2):139–46

Relaxation sutures for the oesophageal end-to-end anastomosis. Kullendorff CM, et al. **Scand J Thorac Cardiovasc Surg** 1982;16(1):103–6

Initial care of esophageal atresia to facilitate potential primary anastomosis. Filston HC, et al. **South Med J** 1981 Dec; 74(12):1530–3

Diagnosis and management of gastroesophageal reflux in children. Ochoa JB. **Surg Annu** 1981;13:123–37 (59 ref.)

Endoscopic sclerotherapy versus esophageal transection of Child's class C patients with variceal hemorrhage. Comparison with results of portacaval shunt: preliminary report. Cello JP, et al. **Surgery** 1982 Mar;91(3):333–8

Oesophagogastrectomy using the end-to-end anastomosing stapler. Fabri B, et al. **Thorax** 1982 Apr;37(4):296–9

Gastric emptying after oesophagectomy as assessed by plasma paracetamol concentrations. Goldstraw P, et al. **Thorax** 1981 Jul;36(7):493–6

Palliative side-to-side oesophagogastrostomy for unresectable carcinoma of the oesophagus and cardia. Kwun K, et al. **Thorax** 1981 Jun;36(6):441–5

Resection of midesophageal carcinoma with esophagogastric anastomosis. McKeown KC. **World J Surg** 1981 Jul; 5(4):517–25

Prevention of sepsis in gastroesophageal surgery. Muscroft TJ, et al. **World J Surg** 1982 May;6(3):293–300

Cardiomyotomy associated with antireflux surgery in the treatment of achalasia. Veiga-Fernandes F, et al. **World J Surg** 1981 Sep;5(5):697–702

Colon-interposition as replacement for the esophagus. A follow-up study. van der Zee DC, et al. **Z Kinderchir** 1981 Aug;33(4):291–7

[Gastroesophageal anastomotic leakage following resection of carcinoma of the esophagus and gastric cardia--an analysis of 159 cases (author's transl)] Ping YM. **Chung Hua Chung Liu Tsa Chih** 1982 Feb;4(1):36–8 (Eng. Abstr.) **(Chi)**

[A new technique of esophago-gastrostomy--intraluminal elastic circular ligation (author's transl)] Zhang YD. **Chung Hua Chung Liu Tsa Chih** 1982 Feb;4(1):5–7 (Eng. Abstr.) **(Chi)**

[Inversion-stripping esophagectomy for middle and advanced stage esophageal carcinoma after 60 cobalt radiotherapy: report of 11 cases (author's transl)] Xin DY. **Chung Hua Wai Ko Tsa Chih** 1981 Dec;19(12):729–31 (Eng. Abstr.) **(Chi)**

[Carcinoma of remnant cardia treated by resection of esophagogastric anastomosis: report of a case (author's transl)] Zhang GC. **Chung Hua Wai Ko Tsa Chih** 1981 Sep; 19(9):520–1 (Eng. Abstr.) **(Chi)**

[Surgical reconstruction of the throat after total laryngopharyngectomy] Rous J, et al. **Cesk Otolaryngol** 1981 Oct;30(5):257–66 (Eng. Abstr.) **(Cze)**

[Esophageal surgery at the First Surgical Clinic, Olomouc Faculty Hospital, 1948–1980] Serý Z, et al. **Rozhl Chir** 1982 Jun;61(6):373–82 (Eng. Abstr.) **(Cze)**

[Esophagogastrectomy with an EEA stapling device (author's transl)] Fékété F, et al. **Ann Chir** 1981 Nov;35(9 Pt 1):697–702 (Eng. Abstr.) **(Fre)**

[Gastric replacement of the Tübingen type] Kieninger G. **Med Welt** 1982 Feb 19;33(7):235–6 **(Ger)**

[Epidemiology of stomach cancer and the gastric replacement in the United States] Longmire WP Jr. **Med Welt** 1982 Feb 19;33(7):248–53 **(Ger)**

[X-ray findings after passage reconstruction by iso- and anisoperistaltic jejunal interposition] Wolf KJ. **Med Welt** 1982 Feb 19;33(7):256–9 **(Ger)**

[Radiological evaluation of a new method for gastric replacement by the interposition of an isoanisoperistaltic jejunal segment (author's transl)] Wolf KJ, et al. **ROFO** 1981 Aug;135(2):169–76 (Eng. Abstr.) **(Ger)**

[A new method for the prevention of complications following esophago-gastrostomy of esophago-jejunostomy] Cilingiroglu HK, et al. **Zentralbl Chir** 1982;107(7):413–7 **(Ger)**

[Methods of reconstruction after total gastrectomy] Colombati M, et al. **Ann Ital Chir** 1981;53(3):291–307 (26 ref.) **(Ita)**

[The Sweet operation. Personal experience] Caironi C, et al. **Arch Sci Med (Torino)** 1981 Oct-Dec;138(4):501–4 **(Ita)**

[Experimental and clinical study of the use of an adhesive (Histoacryl-Blau) in intestinal anastomoses] Catona A, et al. **Chir Ital** 1981 Jun;33(3):639–46 (Eng. Abstr.) **(Ita)**

[Substitution of the esophagus with the sparks prosthesis. Experimental research. Histological aspects] De Anna D, et al. **Chir Patol Sper** 1980 Jun;28(3):137–43 (Eng. Abstr.) **(Ita)**

[Feeding problems in surgery of the esophagus] Cavallari E, et al. **Minerva Chir** 1981 Feb 15;36(3):159–64 **(Ita)**

[Manual and mechanical esophago-jejunal sutures in total transabdominal gastrectomy. Initial comparative data] Olivero S, et al. **Minerva Chir** 1981 Nov 15;36(21):1397–9 (Eng. Abstr.) **(Ita)**

[Mechanical sutures in digestive tract surgery] Olivero S, et al. **Minerva Chir** 1982 Jan 15–31;37(1–2):11–30 (Eng. Abstr.) **(Ita)**

[Double esophago-jejuno-duodenal and esophago-jejunal recanalization after total gastrectomy. Technical note and preliminary results] Paletto AE, et al. **Minerva Chir** 1981 Oct 31;36(20):1285–9 **(Ita)**

[Anastomosis of the digestive tract using the EEA stapler. Technical aspects and preliminary trials] Pozza D, et al. **Minerva Chir** 1981 Feb 15;36(3):151–8 **(Ita)**

[Monolayer suturing in surgery of the digestive tract] Rodolico G, et al. **Minerva Chir** 1982 Feb 28;37(4):229–33 **(Ita)**

[Hemorrhage of esophageal varices: conservative or emergency treatment?] Zannini G, et al. **Minerva Med** 1981 Dec 8;72(49):3303–6 (Eng. Abstr.) **(Ita)**

[Esophagojejunal derivation in advanced cardioesophageal cancer] Abrão A, et al. **AMB** 1981 Jun;27(6):190–2 (Eng. Abstr.) **(Por)**

[Gastroesophageal patching with a jejunal loop in subtotal resections of the stomach] Burlui D, et al. **Rev Chir [Chir]** 1980 Jul-Aug;29(4):267–72 (Eng. Abstr.) **(Rum)**

[Ulcers of esophagus and esophageal anastomoses] Kharitonov LG. **Khirurgiia (Mosk)** 1981 Sep;(9):8–13 (Eng. Abstr.) **(Rus)**

[Invagination anastomosis in esophageal and stomach surgery] Musulmanbekov KZh, et al. **Khirurgiia (Mosk)** 1982 Mar;(3):27–9 (Eng. Abstr.) **(Rus)**

[One-stage resection of the cardia and esophagus with delayed extracavitary neck anastomosis in cancer] Peterson BE, et al. **Khirurgiia (Mosk)** 1982 May;5:29–32 **(Rus)**

[Cicatricial strictures of esophageal anastomoses] Petrovskii BV, et al. **Khirurgiia (Mosk)** 1981 Sep;(9):3–8 (Eng. Abstr.) **(Rus)**

[Plastic surgery of the thoracic segment of the esophagus with the stomach tissue] Voronov AA, et al. **Vestn Khir** 1981 Sep;127(9):12–6 **(Rus)**

[Immediate results of gastrectomies for cancer with the creation of an invaginated esophago-intestinal anastomosis] Erko IP, et al. **Vopr Onkol** 1982;28(1):63–5 **(Rus)**

[Fundoplication as a method in the treatment of reflux oesophagitis (author's transl)] Ivanišević B, et al. **Lijec Vjesn** 1981 Jan;103(1):34–6 (Eng. Abstr.) **(Scr)**

[Automatic sutures in surgery of the digestive tract. Initial results] Cuadrado Idoyaga F, et al. **Rev Esp Enferm Apar Dig** 1982 Apr;61(4):313–20 (Eng. Abstr.) **(Spa)**

[Esophageal stripping (esophagectomy without thoracotomy)] López Gibert J, et al. **Rev Esp Enferm Apar Dig** 1982 Apr;61(4):305–12 **(Spa)**

[Indications, technic and results of digital transhiatal esophagectomy without thoracotomy] Moreno González E, et al. **Rev Esp Enferm Apar Dig** 1981 Dec;60(6):533–58 (Eng. Abstr.) **(Spa)**

TRANSPLANTATION

[Autotransplantation of the thoracic esophagus] Cutropia JC, et al. **Rev Esp Enferm Apar Dig** 1982 Feb;61(2):117–23 (Eng. Abstr.) **(Spa)**

ULTRASTRUCTURE

Surface features of normal and neoplastic human esophageal cells in vivo and in vitro. Robinson KM, et al. **Scan Electron Microsc** 1981;(Pt 2):213–22

[Ultrastructure of esophageal epithelium under normal conditions and in dysplastic foci] Kolycheva NI, et al. **Arkh Patol** 1982;44(2):34–41 (Eng. Abstr.) **(Rus)**

ESOTROPIA see under **STRABISMUS**

ESSENTIAL AMINO ACIDS see **AMINO ACIDS, ESSENTIAL**

ESSENTIAL POLYARTERITIS see **PERIARTERITIS NODOSA**

ESTAZOLAM see under **BENZODIAZEPINE TRANQUILIZERS**

ESTERASES

The plasminogen activator and esterase activities of the two forms of urokinase. Ong EB, et al. **Thromb Res** 1981 Nov 1;24(3):223–32

ANALYSIS

Identification of T lymphocytes by a histochemical stain for alpha naphthyl acetate esterase activity. Otis LL, et al. **Am J Med Technol** 1982 May;48(5):367–70

Organ specific expression of esterase-6 in the house mouse, Mus musculus. de Looze SM, et al. **Histochemistry** 1982; 74(4):553–61

Electrophoretic analysis of endonuclease-generated fragments of k-DNA, of esterase isoenzymes, and of surface proteins as aids for species identification of insect trypanosomatids. Camargo EP, et al. **J Protozool** 1982 May; 29(2):251–8

Membrane-bound and soluble esterase activities in various hen brain regions after diisopropyl phosphorofluoridate and trichlorfon treatment. Olajos EJ, et al. **Neurotoxicology (Park Forest Il)** 1981 Nov;2(3):463–70

Non-specific esterase isoenzymes of adult schistosomes from the hippopotamus (Hippopotamus amphibius). Fripp PJ. **Onderstepoort J Vet Res** 1981 Dec;48(4):257

Esterases in striated muscle from mice with the Chediak-Higashi syndrome. Kirkeby S, et al. **Virchows Arch [Cell Pathol]** 1981;35(3):275–81

[Comparison by electrophoresis of esterases of Yersinia enterocolitica and Yersinia pseudotuberculosis] Goullet P. **C R Seances Acad Sci [III]** 1981 Sep 28;293(3):185–7 (Eng. Abstr.) **(Fre)**

[Nonspecific esterases activities of epithelioid cells in sarcoid granulomas and tuberculous granulomas (author's transl)] Onizuka O, et al. **Nippon Kyobu Shikkan Gakkai Zasshi** 1980 Sep;18(9):605–10 (Eng. Abstr.) **(Jpn)**

[Esterase staining] Morimoto M, et al. **Rinsho Byori** 1982; Suppl 48:81–100 **(Jpn)**

ANTAGONISTS & INHIBITORS

Enzymatic activities of liver serine esterases during the reticuloendothelial system phagocytosis blockade by Carbaryl, an anticholinesterasic insecticide. Pipy B, et al. **Toxicol Appl Pharmacol** 1982 Jan;62(1):11–8

[Stereospecific action of organothiophosphate amino acid derivatives on nervous system esterase activity in the cockroach] Sundukov OV, et al. **Prikl Biokhim Mikrobiol** 1981 Nov-Dec;17(6):927–33 (Eng. Abstr.) **(Rus)**

BLOOD

Nonspecific esterases of the formed elements: zymograms produced by pH 9.5 polyarcrylamide gel electrophoresis. Yourno J, et al. **Blood** 1981 Nov;58(5):939–46

Effects of drug binding on the esterase-like activity of human serum albumin. III. Evaluation of reactivities of the two active sites by using clofibric acid as an inhibitor. Kurono Y, et al. **Chem Pharm Bull (Tokyo)** 1981 Aug;29(8):2345–50

Effects of drug binding on the esterase-like activity of human serum albumin. IV. Application of an analog computer to determination of the multiple dissociation constants. Kurono Y, et al. **Chem Pharm Bull (Tokyo)** 1981 Oct; 29(10):2993–3002

Effects of drug binding on the esterase-like activity of human serum albumin. V. Reactive site towards substituted aspirins. Kurono Y, et al. **Chem Pharm Bull (Tokyo)** 1982 Jan;30(1):296–301

Sex differences and androgenic regulation of esterases in the house mouse. Tegelström H, et al. **Hereditas** 1981; 94(2):189–201

Histochemical patterns of human T lymphocyte subpopulations with nonspecific esterase staining. Quesada JR, et al. **Int Arch Allergy Appl Immunol** 1982;68(2):138–43

Some properties of the reaction site for the esterase activity of hemoglobin. Elbaum D, et al. **J Biol Chem** 1982 Jul 25;257(14):8454–8

Esterase activity of hemoglobins: a conformational probe for difference between HbA and HbS. Elbaum D, et al. **Prog Clin Biol Res** 1981;55:41–60

[Acid nonspecific esterase activity in human lymphocytes (author's transl)] Liao YT. **Chung Hua Nei Ko Tsa Chih** 1981 Jun;20(6):352–4 **(Chi)**

[Coagulative, fibrinolytic and esterase activity in the plasma of patients with ulcerative colitis] Kotschy M, et al. **Pol Tyg Lek** 1981 May 18;36(20):705–7 (Eng. Abstr.) **(Pol)**

[Comparative cytoenzymatic study of infectious and vaccinal processes in experimental brucellosis] Safronova VM, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1981 Jul;(7):63–6 (Eng. Abstr.) **(Rus)**

DIAGNOSTIC USE

Nonspecific esterase as a marker for human T-lymphocytes sequential studies during states of transient blood lymphocyte redistribution. Fehr J, et al. **Blut** 1982 Apr; 44(4):201–9

GENETICS

Es-6, a further polymorphic esterase in the rat. Bender K, et al. **Biochem Genet** 1982 Apr;20(3–4):221–8

Biochemical genetics of Fundulus heteroclitus (L.). IV. Spatial variation in gene frequencies of Idh-A, Idh-B, 6-Pgdh-A, and Est-S. Cashon RE, et al. **Biochem Genet** 1981 Aug;19(7–8):715–28

Biochemical genetics of rat esterases: another genetically determined variant, Es-7, is linked to five other esterase loci. Lindena G. **Biochem Genet** 1981 Dec; 19(11–12):1079–90

Kidney esterases of Mus musculus: further polymorphism of esterase-6, esterase-9, and a new esterase, esterase-20. Nash HR, et al. **Biochem Genet** 1982 Jun;20(5–6):537–54

Genetic and biochemical studies of the highly active esterases A' and B associated with organophosphate resistance in mosquitoes of the Culex pipiens complex. Pasteur N, et al. **Biochem Genet** 1981 Oct;19(9–10):909–19

Nonspecific esterases of Mus musculus. Peters J. **Biochem Genet** 1982 Jun;20(5–6):585–606

Biochemical genetics of Fundulus heteroclitus (L.). III. Inheritance of isocitrate dehydrogenase (Idh-A and Idh-B), 6-phosphogluconate dehydrogenase (6-Pgdh-A), and serum esterase (Est-S) polymorphisms. Van Beneden RJ, et al. **Biochem Genet** 1981 Aug;19(7–8):701–14

Esterase-16 (es-16): characterization, polymorphism, and linkage to chromosome 3 of a kidney esterase locus of the house mouse. von Deimling OH, et al. **Biochem Genet** 1981 Dec;19(11–12):1091–9

Esr, a second locus in the house mouse controlling esterase-5. von Deimling OH, et al. **Biochem Genet** 1982 Apr; 20(3–4):351–8

Genetic variability at the esterase-6 locus in natural populations of Drosophila simulans in relation to environmental heterogeneity. de Albuquerque CM, et al. **Genetics** 1981 Jun;98(2):399–407

Gene flow and the geographical distribution of a molecular polymorphism in Drosophila pseudoobscura. Jones JS, et al. **Genetics** 1981 May;98(1):157–78

Substrate-preference polymorphism at an esterase locus of Drosophila mojavensis. Zouros E, et al. **Genetics** 1982 Feb; 100(2):307–14

An experimental study of neutrality at the malic dehydrogenase and esterase-5 loci in Drosophila pseudoobscura. Arnason E. **Hereditas** 1982;96(1):13–27

Associations of enzymic and chromosomal polymorphisms in the seaweed fly, Coelopa frigida. Day TH, et al. **Heredity (Edinburgh)** 1982 Feb;48(Pt 1):35–44

Esterases in the malaria vector mosquito, Anopheles culicifacies. Genetic and linkage analyses of an alpha and beta polymorphism. Dubash CJ, et al. **J Hered** 1982

May-Jun;73(3):209-13
Linkage relationships and assignment of esterase-4 and esterase-8 loci to chromosome 3 in Anopheles albimanus. Narang S, et al. **J Hered** 1981 May-Jun;72(3):157-60
Linkage relationships between an esterase locus and group II markers in the yellow fever mosquito, Aedes aegypti (Diptera: Culicidae). Field WN, et al. **J Med Entomol** 1981 Feb 20;18(1):61-4
[Cytogenetic localization of the gene coding organ-specific esterase in Drosophila] Korochkin LI, et al. **Dokl Akad Nauk SSSR** 1982;263(2):471-4 **(Rus)**
[Characteristics of esterase expression in interspecific hybrids of Drosophila of the group virilis] Korochkin LI. **Ontogenez** 1982 May-Jun;13(3):322-6 (Eng. Abstr.) **(Rus)**

IMMUNOLOGY

[A method for the quantitative estimation of antibodies to extracellular esterases produced by group A and B streptococci, and application to the sera of patients with scarlet fever (author's transl)] Hayano S, et al. **Kansenshogaku Zasshi** 1981 May;55(5):339-45 (Eng. Abstr.) **(Jpn)**

ISOLATION & PURIFICATION

Detection, identification, and partial characterization of serine proteases and esterases in biological systems. Scheiner CJ, et al. **Anal Biochem** 1982 May 1;122(1):58-69
An esterase isozyme in non-hemoglobin proteins of cell lysate reacting with mushroom lectin. Iwasa M, et al. **Tohoku J Exp Med** 1982 Jan;136(1):53-9

METABOLISM

A comparative histochemical mapping of acid phosphatase, 5-nucleotidase and non-specific esterase in the olfactory bulbs of rabbit and hedgehog. Mohanakumar KP, et al. **Acta Neurol Belg** 1981 Jul-Aug;81(4):199-204
Esterases in schistosomes: reaction with substrates and inhibitors. Reiner E. **Acta Pharmacol Toxicol (Copenh)** 1981;49 Suppl 5:72-8
Membrane properties and esterase activity of synovial lining cells: further evidence for a mononuclear phagocyte subpopulation. Edwards JC, et al. **Ann Rheum Dis** 1982 Jun;41(3):282-6
Multifunctionality of liver alcohol dehydrogenase: kinetic and mechanistic studies of esterase reaction. Tsai CS. **Arch Biochem Biophys** 1982 Feb;213(2):635-42
Electrofocusing of esterases and phosphatases of some sex accessory organs in male New Zealand rabbits during transpuberal maturation. Paino G, et al. **Basic Appl Histochem** 1981;25(4):199-211
Further studies of the action of disulfiram and 2,2'-dithiodipyridine on the dehydrogenase and esterase activities of sheep liver cytoplasmic aldehyde dehydrogenase. Kitson TM. **Biochem J** 1982 Jun 1; 203(3):743-54
The hydrolysis of dolichyl palmitate by intestinal mucosa. Keenan RW, et al. **Biochim Biophys Acta** 1982 Jun 11; 711(3):490-3
Nonspecific esterase of B lymphocytes from a case of chronic lymhocytic leukemia and of normal T lymphocytes: similar constellations of isoenzymes. Yourno J, et al. **Blood** 1982 Jul;60(1):24-9
Triazene metabolism. II. Transportability and enzyme inhibitory characteristics of metabolites of antitumor dimethyltriazenes. Godin JR, et al. **Can J Physiol Pharmacol** 1981 Dec;59(12):1239-44
Enzyme kinetic studies in cell populations using fluorogenic substrates and flow cytometric techniques. Watson JV. **Cytometry** 1980 Sep;1(2):143-51
Age-dependent changes in esterases of Callosobruchus maculatus Fab. (Bruchidae: Coleoptera). Sharma G, et al. **Exp Aging Res** 1981 Summer;7(2):107-15
Relationship between the composition of the regulatory complex of esterases and the age of Mycobacterium phlei culture. Procházka P, et al. **Folia Microbiol (Praha)** 1981; 26(4):283-6
Demonstration of calcium-dependent chemotactic factor activatable esterase activity in human neutrophils: relationship with chemotaxis and chemotactic deactivation. Mehta J, et al. **Inflammation** 1981 Jun;5(2):89-101
Carbamate poisoning. Effects of selected carbamate pesticides on plasma enzymes and brain esterases of Japanese quail (Coturnix coturnix japonica). Westlake GE, et al. **J Agric Food Chem** 1981 Jul-Aug;29(4):779-85
Organophosphate poisoning. Effects of selected organophosphate pesticides on plasma enzymes and brain esterases of Japanese quail (Coturnix coturnix japonica). Westlake GE, et al. **J Agric Food Chem** 1981 Jul-Aug; 29(4):772-8
Identification and localization of two membrane-bound esterases from Escherichia coli. Pacaud M. **J Bacteriol** 1982 Jan;149(1):6-14
Two esterases released from Mycobacterium smegmatis from the hydrolysis of long chain acyl-CoAs and Tween. Akao T, et al. **J Biochem (Tokyo)** 1981 Dec;90(6):1661-9
Isolation and characterization of an ester hydrolase active on phorbol diesters from murine liver. Shoyab M, et al. **J Biol Chem** 1981 Dec 10;256(23):12529-34
Evaluation of leukocyte esterase activity as a rapid screening technique for bacteriuria. Perry JL, et al. **J Clin Microbiol** 1982 May;15(5):852-4
The requirement for esterase activation in T cell replacing factor (TRF)-induced IgG production in a human B blastoid cell line. Miki Y, et al. **J Immunol** 1982 Feb; 128(2):675-8
Determination of the dissociation constant of carbonic anhydrase inhibitors: a computerized kinetic method based on esterase activity assay. Colombo R, et al. **J Pharmacol Methods** 1981 Nov;6(3):177-91
[Histochemical and biochemical investigations of the hippocampus and neocortex of the wistar rat. III. Electron-microscopic investigations on the localization of non-specific esterases in the hippocampus (author's transl)] Andrä J, et al. **Acta Histochem (Jena)** 1982;70(2):258-75 (Eng. Abstr.) **(Ger)**

SECRETION

Antigen-induced release of esterase (protease) activity from rat mast cells as a modulator of type I allergic reaction? Wilhelms OH, et al. **Int Arch Allergy Appl Immunol** 1981; 66 Suppl 1:159-64

URINE

Studies on human urinary and renal esterases that migrate to the gamma-globulin region upon cellulose acetate electrophoresis. Sugiura M, et al. **Chem Pharm Bull (Tokyo)** 1981 Oct;29(10):2920-7

ESTERIFICATION see under **CHEMISTRY, ORGANIC**

ESTERS see under **CARBOXYLIC ACIDS**

ESTETROL see under **ESTRIOL**

ESTHETICS

Reconstruction of the sternum and anterior chest wall: aesthetic considerations. Arnold PG. **Clin Plast Surg** 1981 Apr;8(2):389-97
Aesthetic aspects of partial nasal reconstruction. Barton FE Jr. **Clin Plast Surg** 1981 Apr;8(2):177-91
Aesthetic aspects of hand surgery: microsurgical approach with multiple free tissue transfers. Buncke HJ. **Clin Plast Surg** 1981 Apr;8(2):349-55
Aesthetic approach to upper eyelid reconstruction. Carraway JH. **Clin Plast Surg** 1981 Apr;8(2):237-41
Selection of alternatives in esthetic blepharoplasty. Courtiss EH. **Clin Plast Surg** 1981 Oct;8(4):739-55
Aesthetic reconstructive genital surgery. Horton CE, et al. **Clin Plast Surg** 1981 Apr;8(2):399-406
Aesthetic correction of coronal craniosynostosis. Jackson IT. **Clin Plast Surg** 1981 Apr;8(2):317-26
Aesthetic aspects of reconstructive scalp surgery. Juri J, et al. **Clin Plast Surg** 1981 Apr;8(2):243-54
Latissimus dorsi breast reconstruction: an aesthetic assessment. Maxwell GP. **Clin Plast Surg** 1981 Apr; 8(2):373-87
Aesthetic and functional thumb reconstruction: great toe to hand transfer. May JW Jr. **Clin Plast Surg** 1981 Apr; 8(2):357-62
Aesthetic reconstructive rhinoplasty. Millard DR Jr. **Clin Plast Surg** 1981 Apr;8(2):169-75
Craniofacial surgical techniques for aesthetic results in congenital and acute traumatic deformities. Munro IR. **Clin Plast Surg** 1981 Apr;8(2):303-16
Major reconstruction of the eyelids: functional and aesthetic considerations. Mustardé JC. **Clin Plast Surg** 1981 Apr; 8(2):227-36
Aesthetic aspects of reconstructive microsurgery of the lower extremity. Nahai F, et al. **Clin Plast Surg** 1981 Apr; 8(2):369-72
Aesthetic considerations in reconstructive hand surgery: the first web. Peacock EE Jr. **Clin Plast Surg** 1981 Apr; 8(2):363-8
Aesthetic aspects of post-traumatic nasal reconstruction: a case study. Sheen JH. **Clin Plast Surg** 1981 Apr; 8(2):193-200
Aesthetic aspects of microsurgery: composite tissue transfer to the face. Taylor GI, et al. **Clin Plast Surg** 1981 Apr; 8(2):333-48
Aesthetic aspects of bone grafting to the face. Tessier P. **Clin Plast Surg** 1981 Apr;8(2):279-301
Resurfacing the burned face. Warpeha RL. **Clin Plast Surg** 1981 Apr;8(2):255-67
Hemispheric lateralization and aesthetic judgement. van Houten WH, et al. **Cortex** 1981 Dec;17(4):477-89
The aesthetic preference: overcoming the pragmatic error. Allman LR. **Fam Process** 1982 Mar;21(1):43-56
The interactive effects of counselor gender, physical attractiveness and status on client self-disclosure. Kunin CC, et al. **J Clin Psychol** 1982 Jan;38(1):84-90
The light reflex tip plasty: surgical application of a new theory in tip esthetics. Fanous N. **Laryngoscope** 1982 Mar; 92(3):310-3
Mood judgements in black and white pictures as a function of tonality and polarity. French C, et al. **Ophthalmic Physiol Opt** 1981;1(2):115-22
The aesthetics of colour. McManus IC, et al. **Perception** 1982; 10(6):651-66
Breast aesthetics when reconstructing with the latissimus dorsi musculocutaneous flap. Millard DR Jr. **Plast Reconstr Surg** 1982 Aug;70(2):161-72
Neurofibroma of the ear: function and aesthetics. Trevisani TP, et al. **Plast Reconstr Surg** 1982 Aug;70(2):217-9
Attractiveness and its effect on medical students rank order for seeing patients. Silvestro JR. **Psychol Rep** 1982 Feb; 50(1):115-8
[Architecture and the conditioned reflex in modern man] Spužić V, et al. **Glas Srp Akad Nauka [Med]** 1981; 326(34):15-31 **(Scc)**
[Minor esthetic failures in otoplasty for lop ears] Bermúdez Polonio R. **An Otorrinolaringol Ibero Am** 1982;9(1):5-40 (Eng. Abstr.) **(Spa)**
[The face: the importance of form for the esthetic concept] Levignac J. **An R Acad Nac Med (Madr)** 1981;98(2):311-26 **(Spa)**

ESTHETICS, DENTAL

A simple technique for the aesthetic improvement of fluorotic-like lesions. Poweli KR, et al. **ASDC J Dent Child** 1982 Mar-Apr;49(2):112-7
Comparison of esthetic values among Caucasians and Pacific-Asians. Kiyak HA. **Community Dent Oral Epidemiol** 1981 Oct;9(5):219-23
Teeth beautiful. **J Am Dent Assoc** 1982;Spec No:61C-3C
Esthetics in dentistry. Goldstein RE. **J Am Dent Assoc** 1982 Mar;104(3):301-2
Achieving an esthetic appearance with a fixed prosthesis by submucosal grafts. Kaldahl WB, et al. **J Am Dent Assoc** 1982 Apr;104(4):449-52
Patient-assisted esthetics. Brigante RF. **J Prosthet Dent** 1981 Jul;46(1):14-20
Treatment with esthetic periodontal prosthesis. Gallon PG. **J Prosthet Dent** 1982 Mar;47(3):256-61
Esthetic feasibility study using a labial index. Williams HA, et al. **J Prosthet Dent** 1982 Jun;47(6):616-9
Cosmetics and removable partial dentures--the class IV partially edentulous patient. Zarb GA, et al. **J Prosthet Dent** 1981 Oct;46(4):360-8
[Esthetic problems due to functionally injured upper front teeth] Krüger W. **Dtsch Zahnarztl Z** 1981 Jul;36(7):425-8 (Eng. Abstr.) **(Ger)**
[Frontal test for the esthetic effect of dentures] Nagy I, et al. **Fogorv Sz** 1981 Oct;74(10):307-9 **(Hun)**
[Improvement in the strength and esthetic features of plastic teeth] Osyka EI, et al. **Stomatologiia (Mosk)** 1981;60(4):50-1 (Eng. Abstr.) **(Rus)**
[Analysis of physico-optic behavior of dental prostheses under various light intensities] Branovački D, et al. **Med Pregl** 1980;33(11-12):505-7 (Eng. Abstr.) **(Scr)**

HISTORY

[Teeth and the beautiful over the course of time] Schipperges H. **Dtsch Zahnarztl Z** 1981 Jul;36(7):406-13 **(Ger)**

ESTIVATION see under **ADAPTATION, PHYSIOLOGICAL**

ESTOMYCIN see **PAROMOMYCIN**

ESTRADIOL

Measurements of DNA synthesis and estrogen receptor in needle aspirates as powerful methods in the management of mammary carcinoma. Nordenskjöld B, et al. **Adv Enzyme Regul** 1980;19:489-96
Relationship between pituitary nuclear oestrogen receptors and the release of LH, FSH and prolactin in the ewe. Clarke IJ, et al. **J Reprod Fertil** 1982 Mar;64(2):355-62
Different responses of rat endometrial epithelium and stroma to induction of oestradiol binding sites by progesterone. Martel D, et al. **J Reprod Fertil** 1982 Mar;64(2):387-9
Osseous changes and osteosacomas in mice continuously fed diets containing diethylstilbestrol or 17 beta-estradiol. Highman B, et al. **JNCI** 1981 Sep;67(3):653-62
[The studies of controlled release of sex steroids hormones by radiation induced polymerization of glass forming monomers (author's transl)] Nakai K, et al. **Horumon To Rinsho** 1981 Aug;29(8):919-23 **(Jpn)**

ADMINISTRATION & DOSAGE

Effects of steroid sex hormones and adriamycin on human bladder cancer cells in culture. Yoshimoto J, et al. **Acta Med Okayama** 1982 Feb;36(1):61-6
Effects of percutaneous estradiol and conjugated estrogens on the level of plasma proteins and triglycerides in postmenopausal women. Elkik F, et al. **Am J Obstet Gynecol** 1982 Aug 15;143(8):888-92
Pressure ejection of drugs on single neurons in vivo: Technical considerations and application to the study of estradiol effects. Poulain P, et al. **Brain Res Bull** 1981 Jul; 7(1):33-40
Increased survival due to radioactive estradiol in mice with C3HBA or BW 10232 tumors. Thysen B, et al. **Cancer Chemother Pharmacol** 1982;8(1):23-6
A multicenter study of levonorgestrel-estradiol contraceptive vaginal rings. II-Subjective and objective measures of effects. An international comparative trial. Sivin I, et al. **Contraception** 1981 Oct;24(4):359-76
A multicenter study of levonorgestrel-estradiol contraceptive vaginal rings. I-Use effectiveness. An international comparative trial. Sivin I, et al. **Contraception** 1981 Oct;

24(4):341-58

A multicenter study of levonorgestrel-estradiol contraceptive vaginal rings. III-Menstrual patterns. An international comparative trial. Sivin I, et al. **Contraception** 1981 Oct; 24(4):377-92

Experimental simulation of neuroendocrine dynamics at periparturient periods--a synthetic approach to pregnancy maintenance, parturition and lactation by programmed infusion of sex steroids in ovariectomized rats. Inoué S. **Endocrinol Jpn** 1981 Dec;28(6):747-55

Pituitary and gonadal function during the use of progesterone- or progesterone-estradiol-releasing vaginal rings. Toivonen J. **Int J Fertil** 1980;25(2):106-11

Combined treatment with radioestradiol-lucanthone in mouse C3HBA mammary adenocarcinoma and with estradiol-lucanthone in an estrogen bioassay. Padawer J, et al. **Int J Radiat Oncol Biol Phys** 1981 Mar;7(3):349-57

Development of a vaginal ring for achieving physiologic levels of 17 beta-estradiol in hypoestrogenic women. Stumpf PG, et al. **J Clin Endocrinol Metab** 1982 Jan; 54(1):208-10

Pharmacokinetics and pharmacodynamic effects of vaginal oestradiol administration from silastic rings in post-menopausal women. Englund DE, et al. **Maturitas** 1981 Aug;3(2):125-33

Bioavailability of oestradiol and oestriol administered orally to oophorectomized women. Fink BJ, et al. **Maturitas** 1981 Dec;3(3-4):289-94

Continuous treatment with natural oestrogens and progestogens. A method to avoid endometrial stimulation. Staland B. **Maturitas** 1981 Aug;3(2):145-56

Defective estrogen receptor in uteri of rats treated neonatally with a high dose of estrogen. Takano N, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1982 Mar;34(3):391-5

Cervical ripening with combinations of vaginal prostaglandin F2-alpha estradiol, and relaxin. MacLennan AH, et al. **Obstet Gynecol** 1981 Nov;58(5):601-4

Hyperprolactinemia in monkeys: induction by an estrogen-progesterone synergy. Williams RF, et al. **Steroids** 1981 Sep;38(3):321-31

Oral versus vaginal absorption in oestradiol in postmenopausal women. Effects of different particles sizes. Englund DE, et al. **Ups J Med Sci** 1981;86(3):297-307

[The effects of percutaneous administration of 17 beta oestradiol in menopausal women with hyperlipidaemia (author's transl)] Basdevant A, et al. **J Gynecol Obstet Biol Reprod (Paris)** 1982;11(2):277-80 (Eng. Abstr.) **(Fre)**

[Estrus induction and synchronization in cattle by intravaginal progesterone application] Kupferschmied H, et al. **Schweiz Arch Tierheilkd** 1982 Jan;124(1):31-5 (Eng. Abstr.) **(Ger)**

ADVERSE EFFECTS

Contact dermatitis to estradiol benzoate. Ljunggren B. **Contact Dermatitis** 1981 May;7(3):141-4

ANALOGS & DERIVATIVES

Hormonal pattern in prostatic cancer. II. Correlation with primary response to endocrine treatment. Adlercreutz H, et al. **Acta Endocrinol (Copenh)** 1981 Dec;98(4):634-40

Luteal blood flow and plasma steroids in rats with corpora lutea of different ages. Damber JE, et al. **Acta Endocrinol (Copenh)** 1981 Sep;98(1):99-105

Induction of ovulation in immature female rats by a single injection of 4-hydroxyoestradiol-dibenzoate. Emons G, et al. **Acta Endocrinol (Copenh)** 1982 May;100(1):105-8

Effect of oestradiol-17 beta on the metabolism of noradrenaline in brain slices of ovariectomized rats. Köster G, et al. **Acta Endocrinol (Copenh)** 1981 Sep;98(1):1-7

Effect of 2-substituted oestrogens in vivo on the metabolism of noradrenaline in rat brain. Köster G, et al. **Acta Endocrinol (Copenh)** 1982 Jan;99(1):1-8

Effect of bromocriptine, somatostatin, and oestradiol-17 beta on hormone secretion and ultrastructure of human pituitary tumours in vitro. Prysor-Jones RA, et al. **Acta Endocrinol (Copenh)** 1981 Sep;98(1):14-23

Changes in calcium absorption during hormonal replacement therapy in postmenopausal osteoporosis. Schubert L, et al. **Acta Eur Fertil** 1981 Sep;12(3):223-37 **(Eng, Ita)**

Changes in central circulation in premenopausal women during application of an estradiol valerate-norgestrel combination (Cyclabil). Backman C, et al. **Acta Obstet Gynecol Scand [Suppl]** 1981;106:47-50

Lipid metabolic effects induced by two estradiol/norgestrel combinations in women around forty. Hagstad A, et al. **Acta Obstet Gynecol Scand [Suppl]** 1981;106:57-62

Effect of exogenous estrogens on catabolism of VLDL in cholesterol-fed rabbits. Kushwaha RS, et al. **Am J Physiol** 1981 Nov;241(5):E372-7

Effect of estrogen and progesterone on the phagocytic response of ovariectomized mares infected in utero with beta-hemolytic streptococci. Washburn SM, et al. **Am J Vet Res** 1982 Aug;43(8):1367-70

Effects on the secretion of pituitary growth hormone, thyroid stimulating hormone, luteinizing hormone and follicle stimulating hormone in rats rendered hyperprolactinaemic by chronic treatment with oestrogen. Smythe GA, et al. **Aust J Biol Sci** 1981;34(3):321-4

Induction of pseudo-pregnancy in Saccobranchus fossilis and cytomorphological assay of anomalies. Saxena V, et al. **Biochem Exp Biol** 1980;16(3):257-60

Increased vascular catecholamine sensitivity and alpha-adrenergic receptor affinity in female and estrogen-treated male rats. Colucci WS, et al. **Circ Res** 1982 Jun;50(6):805-11

A preliminary pharmacological trial of the monthly injectable contraceptive cycloprovera. Fotherby K, et al. **Contraception** 1982 Mar;25(3):261-72

Catechol estrogens and thrombosis: lack of a direct effect of 2-hydroxyestradiol on platelets. Needleman SW, et al. **Contraception** 1982 Feb;25(2):185-9

Medullary bone osteogenesis following estrogen administration to mature male Japanese quail. Miller SC, et al. **Dev Biol** 1981 Oct 15;87(1):52-63

Specific cytotoxicity of 16 alpha-[125I]iodoestradiol for estrogen receptor-containing breast cancer cells. Bronzert DA, et al. **Endocrinology** 1982 Jun;110(6):2177-82

4-Hydroxyestradiol-17 beta and 4-hydroxyestradiol-17 alpha: comparative studies on central and peripheral effects of two epimeric catecholestrogens. Emons G, et al. **Endocrinology** 1981 Nov;109(5):1799-801

Catechol estrogen formation by brain tissue: a comparison of the release of tritium from [2-3H]estradiol with [6,7-3H]2-hydroxyestradiol formation from [6,7-3H]estradiol by rabbit hypothalami in vitro. Hersey RM, et al. **Endocrinology** 1981 Dec;109(6):1902-11

The effect of catecholestrogens on the growth of prolactin-secreting pituitary tumors and normal prolactin synthesis in the rat. Lamberts SW, et al. **Endocrinology** 1982 Apr;110(4):1141-6

Relaxin receptor in the rat myometrium: regulation by estrogen and relaxin. Mercado-Simmen RC, et al. **Endocrinology** 1982 Jan;110(1):220-6

On the primary site of action of estrogens and androgens in the regulation of hepatic prolactin receptors. Norstedt G, et al. **Endocrinology** 1982 Aug;111(2):645-9

Induction and inhibition of uterine vasodilation by catechol estrogen in oophorectomized, nonpregnant ewes. Rosenfeld CR, et al. **Endocrinology** 1982 Apr;110(4):1333-9

Temperature dependent action of estrogen in Singi fish (Heteropneustes fossilis Bloch). Dasmahapatra AK, et al. **Endokrinologie** 1981 Oct;78(1):107-10

Influence of oestradiol on tissue respiration of the Indian garden lizard, Calotes versicolor. Kumar DS. **Experientia** 1981;37(9):962-3

Evaluation of Delestrogen and Parlodel as a luteolytic agent in humans. Blackwell RE, et al. **Fertil Steril** 1982 Feb; 37(2):213-7

Sex differences in adrenocortical structure and function. VII. Adrenal sterol ester hydrclase activity in the rat and its dependence on gonadal hormones. Trzeciak WH, et al. **Horm Metab Res** 1981 Sep;13(9):519-22

Monoamine oxidase concentration in median eminence, pituitary and uterus of rat after estrogen and centchroman treatment. Srivastava K, et al. **Indian J Physiol Pharmacol** 1981 Jan-Mar;25(1):80-2

Effect of estradiol and progesterone on lymphocyte and neutrophil functions in steers. Roth JA, et al. **Infect Immun** 1982 Mar;35(3):997-1002

Estradiol-17 beta cyclopentylpropionate and prostaglandin F for induction of abortion during the first trimester of pregnancy in feedlot heifers. Refsal KR, et al. **J Am Vet Med Assoc** 1981 Oct 1;179(7):701-3

Endogenous hormone response and fertility in dairy heifers treated with norgestomet and estradiol valerate. Kazmer GW, et al. **J Anim Sci** 1981 Nov;53(5):1333-40

Estradiol fatty acid esters. The isolation and identification of the lipoidal derivative of estradiol synthesized in the bovine uterus. Mellon-Nussbaum SH, et al. **J Biol Chem** 1982 May 25;257(10):5678-84

Radioimmunoassay and metabolism of the catechol estrogen 2-hydroxyestradiol. Kono S, et al. **J Clin Endocrinol Metab** 1982 Jan;54(1):150-4

High density lipoprotein-2 and hepatic lipase: reciprocal changes produced by estrogen and norgestrel. Tikkanen MJ, et al. **J Clin Endocrinol Metab** 1982 Jun;54(6):1113-7

Lipotropic effect of estradiol-17 beta in fed and fasted lactating cows. Laarveld B, et al. **J Dairy Sci** 1982 Jun; 65(6):920-6

Stimulation of release of luteinizing hormone from cultured pituitary cells by 2- and 4-hydroxylated oestrogens. Franks S, et al. **J Endocrinol** 1981 Sep;90(3):433-6

2-hydroxyoestradiol inhibits prolactin release from the superfused rat pituitary gland. Linton EA, et al. **J Endocrinol** 1981 Sep;90(3):315-22

Cholesterol ester metabolism in plasma during estrogen and antiandrogen treatment in men with carcinoma of the prostate. Wallentin L, et al. **J Lab Clin Med** 1981 Dec; 98(6):906-16

A comparison of 2-hydroxyestradiol and U-0521 (3'4'-dihydroxy-2-methylpropiophenone, Upjohn) as in situ and in vitro inhibitors of tyrosine hydroxylase. Lloyd T, et al. **J Neurochem** 1982 Apr;38(4):948-54

E-17 alpha[125I]iodovinylestradiol: an estrogen-receptor-seeking radiopharmaceutical. Hanson RN, et al. **J Nucl Med** 1982 May;23(5):431-6

16 alpha-[77Br]bromo-11 beta-methoxyestradiol-17 beta: a gamma-emitting estrogen imaging agent with high uptake and retention by target organs. Katzenellenbogen JA, et al. **J Nucl Med** 1982 May;23(5):411-9

In vivo comparison of 16 alpha[77Br]bromoestradiol-17 beta and 16 alpha-[125I]iodoestradiol-17 beta. McElvany KD, et al. **J Nucl Med** 1982 May;23(5):420-4

16 alpha-[77Br]bromoestradiol: dosimetry and preliminary clinical studies. McElvany KD, et al. **J Nucl Med** 1982 May;23(5):425-30

Effect of oestradiol valerate on the rat blood--testis and blood--epididymal barriers to [3H]inulin. Turner TT, et al. **J Reprod Fertil** 1981 Nov;63(2):355-8

Ovulation prediction: changes in the concentrations of urinary estrone-3-glucuronide, estradiol-17 beta-glucuronide and estriol-16 alpha-glucuronide during conceptional cycles. Branch CM, et al. **J Steroid Biochem** 1982 Feb;16(2):345-7

A comparison of the effects of 4-catechol oestrogens and 2-pyrogallol oestrogens on prostaglandin synthesis by the rat and human uterus. Kelly RW, et al. **J Steroid Biochem** 1981 Aug;14(8):787-91

Preparation and antigenic properties of estriol 16-glucuronide- and estradiol 17-glucuronide-[C-6]-bovine serum albumin conjugates. Nambara T, et al. **J Steroid Biochem** 1982 Apr;16(4):533-8

Catechol estradiol induced implantation in the mouse. Hoversland RC, et al. **Life Sci** 1982 May 24;30(21):1801-4

Catabolic effects and the influence on hormonal variables under treatment with Gynodian-Depot or dehydroepiandrosterone (DHEA) oenanthate. Abrahamsson L, et al. **Maturitas** 1981 Dec;3(3-4):225-34

Effect of oestriol, oestradiol valerate and ethinyloestradiol on serum proteins in oestrogen-deficient women. Bergink EW, et al. **Maturitas** 1981 Dec;3(3-4):241-7

Cellular responses of the pineal gland to sex steroids in bandicoot rat. Chakraborty S, et al. **Mikroskopie** 1981 Oct; 38(9-10):256-61

Effect of estradiol on the Harderian gland in male domestic duckling. Gupta SK, et al. **Mikroskopie** 1981 Aug; 38(7-8):200-3

Effect of sex-hormones on the uropygial gland of the female domestic duckling. Sahu A, et al. **Mikroskopie** 1981 Aug; 38(7-8):204-12

Is postpartum atrophy of the breast an iatrogenic disease? [letter] Ryan RF, et al. **Plast Reconstr Surg** 1981 Oct; 68(4):647-8

Mitochondrial damage produced by estradiol valerate in the Dunning (R3327H) rat prostatic adenocarcinoma: a preliminary report. Arcadi JA, et al. **Prog Clin Biol Res** 1981;75B:329-34

Plasma androgen levels after subcapsular orchiectomy or estrogen treatment for prostatic carcinoma. Vermeulen A, et al. **Prostate** 1982;3(2):115-21

Prostatic carcinoma cured with hormonal treatment. A report of two cases. Johansson S, et al. **Scand J Urol Nephrol** 1981;15(3):321-2

Long-term effects of endocrine treatment on serum pituitary hormones in advanced prostatic carcinoma patients. Lukkarinen O, et al. **Scand J Urol Nephrol** 1981; 15(3):207-11

The influence of sex hormones on rat platelet sensitivity to adenosine-diphosphate. Orchard MA, et al. **Thromb Haemost** 1981 Aug 28;46(2):496-9

[Long-term study of plasma testosterone levels in hormone therapy of prostatic cancer] Hájek J, et al. **Vnitr Lek** 1981 Sep;27(9):852-60 (Eng. Abstr.) **(Cze)**

[De-etherification of estradiol 3-propyl ether by subcellular fractions of rat liver] Tresca JP, et al. **Can J Biochem** 1982 May;60(5):549-55 (Eng. Abstr.) **(Fre)**

[Modification of embryonal mortality in swine by the administration of sexual agents in early pregnancy] Elze K, et al. **Arch Exp Veterinarmed** 1981;35(6):937-44 (Eng. Abstr.) **(Ger)**

[The effect of norethisterone acetate and 17 alpha-cyanomethyl-estradiol-3-methyl ether on the serum lipid levels] Müller G. **Z Gesamte Inn Med** 1981 Apr 15; 36(8):272-4 (Eng. Abstr.) **(Ger)**

[Specific radioimmunoassay and physiological significance of unconjugated 2-hydroxyestrone and 2-hydroxyestradiol-17 beta in human blood (author's transl)] Kono S. **Nippon Sanka Fujinka Gakkai Zasshi** 1982 Jun;34(6):794-800 (Eng. Abstr.) **(Jpn)**

ANALYSIS

Aspiration cytology and E2 content in ovarian tumors. Geier GR, et al. **Acta Cytol (Baltimore)** 1981 Jul-Aug;25(4):400-6

The concentration of progesterone, 20 alpha-dihydroprogesterone, testosterone, oestrone and oestradiol-17 beta in serum, amniotic fluid and placental tissue of pregnant rabbits. Lau IF, et al. **Acta Endocrinol (Copenh)** 1982 Apr;99(4):605-11

Prolactin, estradiol, and thyroid hormones in umbilical cord blood of neonates with and without hyaline membrane disease: a study of 405 neonates from midpregnancy to term. Ho Yuen B, et al. **Am J Obstet Gynecol** 1982 Mar 15;142(6 Pt 1):698-703

Gonadotropins, prolactin, testosterone and estradiol in seminal plasma: effect of clomiphene treatment. Rönnberg L, et al. **Andrologia** 1981 Sep-Oct;13(5):406-11

Effect of sulprostone on concentrations of progesterone, 20 alpha-dihydroprogesterone, estrone, and estradiol in human placental tissue in the first trimester of pregnancy. Laatikainen T, et al. **Arch Gynecol** 1982;231(2):149-52

Diurnal variations of oestradiol-17beta in milk of cross-bred cows during oestrous cycle and early pregnancy. Pandey RS, et al. **Br Vet J** 1981 Nov;137(6):596-600

Failure of estradiol immunofluorescence in MCF-7 breast

cancer cells to detect estrogen receptors. Mercer WD, et al. **Cancer Res** 1981 Nov;41(11 Pt 1):4644–52

The relationship of oestradiol receptor (ER) and histological tumour differentiation with prognosis in human primary breast carcinoma. Elston CW, et al. **Eur J Cancer** 1980; Suppl 1:59–62

Association of plasminogen activator activity and steroid receptors in human breast cancer. Thorsen T. **Eur J Cancer Clin Oncol** 1982 Feb;18(2):129–32

Autoradiographic identification of estradiol–concentrating cells in the spinal cord of the female rat. Morrell JI, et al. **Exp Brain Res** 1982;45(1–2):144–50

Steroid hormone levels in peritoneal fluid during the periovulatory period. Zorn JR, et al. **Fertil Steril** 1982 Aug; 38(2):162–5

Cellular [3H]estradiol and [3H]testosterone localization in the brains of garter snakes: an autoradiographic study. Halpern M, et al. **Gen Comp Endocrinol** 1982 Feb;46(2):211–24

Influence of body weight on prolactin, estradiol and gonadotropin levels of obese and underweight women. Knuth UA, et al. **Horm Metab Res** 1982 Mar;14(3):142–6

Inhibin–like activity and steroid content in human follicular fluid during the periovulatory period. Lefevre B, et al. **Int J Fertil** 1981;26(4):295–6

Successful fertilisation of human oocytes in vitro: concentration of estradiol–17 beta, progesterone and androstenedione in the antral fluid of donor follicles. Carson RS, et al. **J Clin Endocrinol Metab** 1982 Oct; 55(4):798–800

Localization of 3H–estradiol in the reproductive organs of male and female baboons. Weaker FJ, et al. **J Morphol** 1982 May;172(2):151–7

Quantitative oestradiol receptor values in primary breast cancer and response of metastases to endocrine therapy. Campbell FC, et al. **Lancet** 1981 Dec 12;2(8259):1317–9

Quantitation of estradiol receptors by radioimmunoassay. Floridi A. **Methods Enzymol** 1981;74 Pt C:420–31

Peritoneal fluid volume and 17 beta–estradiol and progesterone concentrations in ovulatory, anovulatory, and postmenopausal women. Donnez J, et al. **Obstet Gynecol** 1982 Jun;59(6):687–92

The changing estrogen content of the nuclear fraction of human myometrium during labor. Ko HH, et al. **Steroids** 1981 Aug;38(2):175–84

Results of the Italian interlaboratory quality control program for estradiol receptor assay. Fumero S, et al. **Tumori** 1981 Aug;67(4):301–6

Estrogen and progesterone binding proteins in human colorectal cancer. A preliminary characterization of estradiol receptor. Sica V, et al. **Tumori** 1981 Aug; 67(4):307–14

[Changes in the estrogen receptor content in the growing uterus of an immature rat after gonadotropin (PMSG, HCG) or estrogen injection] Paszko Z, et al. **Endokrynol Pol** 1981 May–Jun;32(3):253–64 (Eng. Abstr.) **(Pol)**

[Neuroendocrine interrelations in amenorrhea–galactorrhea] Koreneva GP, et al. **Akush Ginekol (Mosk)** 1981 Dec; (12):15–7 (Eng. Abstr.) **(Rus)**

[Physico–chemical parameters of estradiol–receptor interactions in cytosol of the uterus and oviducts of Cercopithecus griseus] Alekseeva ML. **Vopr Med Khim** 1982 May–Jun;28(3):115–7 **(Rus)**

[Content of 17 beta estradiol, progesterone and glucocorticoid receptors in patients with benign breast diseases] Bassalyk LS, et al. **Vopr Onkol** 1982;28(7):3–6 (Eng. Abstr.) **(Rus)**

BIOSYNTHESIS

Placental clearance rate of maternal plasma androstenedione through placental estradiol formation: an indirect method of assessing uteroplacental blood flow. Edman CD, et al. **Am J Obstet Gynecol** 1981 Dec 15;141(8):1029–37

Effect of an aromatase inhibitor (4–acetoxy–4–androstene–3,17–dione) on the stimulatory action of luteinizing hormone on estradiol–17 beta synthesis by rat preovulatory follicles in vitro. Evans G, et al. **Biol Reprod** 1981 Sep;25(2):290–4

Alterations of ovarian steroidogenesis induced by ovulatory delay in immature rats treated with pregnant mare serum gonadotropin. Terranova PF, et al. **Biol Reprod** 1982 Feb; 26(1):129–39

Relation of HCG–stimulated steroidogenesis to serum FSH, LH and prolactin in man. Martikainen H. **Clin Endocrinol (Oxf)** 1981 Sep;15(3):283–9

Human chorionic gonadotropin enhances the ability of gonadotropic hormones to stimulate aromatization in the testis of the rat. Pomerantz DK. **Endocrinology** 1981 Dec; 109(6):2004–8

Divergent effects of prolactin on estrogen and progesterone production by granulosa cells of rat Graafian follicles. Wang C, et al. **Endocrinology** 1982 Apr;110(4):1085–93

Biochemical evidence for aromatization of androgen to estrogen in the pituitary. Callard GV, et al. **Gen Comp Endocrinol** 1981 Jul;44(3):359–64

Estradiol–17 beta production in isolated amago salmon (Oncorhynchus rhodurus) ovarian follicles and its stimulation by gonadotropins. Kagawa H, et al. **Gen Comp Endocrinol** 1982 Jul;47(3):361–5

Inhibitory effect of cyanoketone on salmon gonadotrophin–induced estradiol–17 beta production by ovarian follicles of the amago salmon (Oncorhynchus rhodurus) in vitro. Young G, et al. **Gen Comp Endocrinol** 1982 Jul;47(3):357–60

Leydig cell tumor with gynecomastia: hormonal effects of an estrogen–producing tumor. Bercovici JP, et al. **J Clin Endocrinol Metab** 1981 Dec;53(6):1291–6

Stimulation by human chorionic gonadotrophin of oestradiol production by dispersed cells from human corpus luteum: comparison with progesterone production; utilization of exogenous testosterone. Richardson MC, et al. **J Endocrinol** 1981 Nov;91(2):197–203

In vitro steroid production in the postovulatory follicles of the amago salmon, Oncorhynchus rhodurus, in response to salmon gonadotropin. Nagahama Y, et al. **J Exp Zool** 1982 Jan 10;219(1):105–9

Development and cellular localization of rat testicular aromatase activity. Rommerts FF, et al. **J Reprod Fertil** 1982 Jul;65(2):281–8

Origin of serum estradiol in postmenopausal women. Judd HL, et al. **Obstet Gynecol** 1982 Jun;59(6):680–6

Aromatization of testosterone in large and small bovine luteal cells. Conflicting results between radioimmunoassay and cocrystallization data. Ursely J, et al. **Steroids** 1981 Sep; 38(3):271–9

[Studies on steroidogenesis by monolayer culture of human luteal cells of the menstrual cycle (author's transl)] Kamei K. **Nippon Sanka Fujinka Gakkai Zasshi** 1982 Feb; 34(2):261–9 (Eng. Abstr.) **(Jpn)**

BLOOD

Sex steroids in bilharzial liver affection. 1. estrogens. Rizk AM, et al. **Acta Biol Med Ger** 1980;39(8–9):991–3

Pattern of plasma progesterone, oestradiol–17 beta, luteinizing hormone and androgen in non–pregnant buffalo (Bubalus bubalis). Arora RC, et al. **Acta Endocrinol (Copenh)** 1982 Jun;100(2):279–84

The aging Leydig cell V. Diurnal rhythms in aged men. Murono EP, et al. **Acta Endocrinol (Copenh)** 1982 Apr; 99(4):619–23

The lack of significant change in plasma progesterone and estradiol–17 beta levels before the onset of human labor. Hartikainen–Sorri AL, et al. **Acta Obstet Gynecol Scand** 1981;60(5):497–9

Uterine tonicity in proliferative and secretory phases of the menstrual cycle. Lalos O, et al. **Acta Obstet Gynecol Scand** 1981;60(5):441–5

Follicular stimulating hormone, luteinizing hormone and estrogen levels before and after female sterilization. Sørensen T, et al. **Acta Obstet Gynecol Scand** 1981; 60(6):559–61

LH, FSH, estradiol and progesterone levels after discontinuation of hormonal contraception. Balogh A, et al. **Acta Univ Palacki Olomuc Fac Med** 1981;101:95–101

The pattern of luteal phase plasma progesterone and estradiol in fertile cycles. Laufer N, et al. **Am J Obstet Gynecol** 1982 Aug 1;143(7):808–13

Effect of danazol on gonadal steroidogenesis in patients with a complete form of testicular feminization. Reyniak JV, et al. **Am J Obstet Gynecol** 1982 Feb 15;142(4):479–81

Alteration in the plasma testosterone: estradiol ratio: an alternative to the inhibin hypothesis. Sherins RJ, et al. **Ann NY Acad Sci** 1982;383:295–306

Estradiol levels in myocardial infarction [letter] Winter JH, et al. **Arch Intern Med** 1982 Aug;142(8):1581–2

Ultrasound in gonadotrophin therapy: a better predictor of ovarian hyperstimulation? Bryce RL, et al. **Aust NZ J Obstet Gynaecol** 1981 Nov;21(4):237–9

Role of gonadotropins and progesterone in determining the preovulatory estradiol rise in the ewe. Goodman RL, et al. **Biol Reprod** 1981 Aug;25(1):134–42

Relation between levels of circulating ovarian steroids and pituitary gonadotropin content during the menstrual cycle of the rhesus monkey. Hotchkiss J, et al. **Biol Reprod** 1982 Mar;26(2):241–8

Effects of a superovulatory dose of pregnant mare serum gonadotropin on ovarian function, serum estradiol, and progesterone levels and early embryo development in immature rats. Miller BG, et al. **Biol Reprod** 1981 Sep; 25(2):261–71

Temporal relationship between the abortifacient effects of GnRH antagonists and hormonal secretion. Rivier C, et al. **Biol Reprod** 1981 Jun;24(5):1061–7

Does rifampicin increase serum levels of testosterone and oestradiol by inducing sex hormone binding globulin capacity? [letter] Brodie MJ, et al. **Br J Clin Pharmacol** 1981 Sep;12(3):431–3

The relation of circulating progesterone and oestradiol concentrations to the onset of menstruation. Godfrey KA, et al. **Br J Obstet Gynaecol** 1981 Sep;88(9):899–903

Cimetidine and plasma levels of gonadotropins, prolactin and gonadal steroids in women. Bélisle S, et al. **Can Med Assoc J** 1982 Jul 1;127(1):29–32

Serum sex hormones in patients with coronary disease and their relationship to known factors causing atherosclerosis. Labropoulos B, et al. **Cardiology** 1982;69(2):98–103

New extraction method for radioimmunoassay of serum estradiol. Eriksen PB. **Clin Chem** 1981 Nov;27(11):1926–8

Measurement of plasma estradiol–17 beta by solid–phase chemiluminescence immunoassay. Kim JB, et al. **Clin Chem** 1982 May;28(5):1120–4

The decreased basal and stimulated prolactin levels in isolated gonadotrophin deficiency: a consequence of the low oestrogen state. Spitz IM, et al. **Clin Endocrinol (Oxf)** 1982 May;16(5):423–32

Inadequate luteal phase and benign breast disease. Marchesoni D, et al. **Clin Exp Obstet Gynecol** 1981; 8(4):160–3

Prognostic value of hCG, progesterone, 17–beta estradiol and the echoscopic examination in threatened abortion during the first trimester. Stoppelli I, et al. **Clin Exp Obstet Gynecol** 1981;8(1):6–11

Studies on ovarian and adrenal steroids at different phases of the menstrual cycle. III. Steroid and lutropin levels before and after the administration of a single contraceptive dose of depot–medroxyprogesterone acetate (DMPA). Aedo AR, et al. **Contraception** 1981 Aug;24(2):117–35

Further studies on pituitary and ovarian function in women receiving hormonal contraception. Cohen BL, et al. **Contraception** 1981 Aug;24(2):159–72

Endometrial morphology and peripheral steroid levels in women with and without intermenstrual bleeding during contraception with the 300 microgram norethisterone (NET) minipill. Johannisson E, et al. **Contraception** 1982 Jan;25(1):13–30

The effect of norethisterone (500 mcg) and ethinyl estradiol (35 mcg) capsules on the pituitary–ovarian axis. Nuttall ID, et al. **Contraception** 1982 May;25(5):463–9

Metabolic control and serum hormone levels in relation to retinopathy in diabetic pregnancy. Larinkari J, et al. **Diabetologia** 1982 May;22(5):327–32

Release of estradiol from fetal bovine serum by rat thymus, spleen, kidney, lung and lung macrophage cultures. Reynolds H, et al. **Endocrinology** 1982 Jun;110(6):2213–5

Relationship of estradiol to luteal function in the cycling baboon. Westfahl PK, et al. **Endocrinology** 1982 Jan; 110(1):64–9

Serum prolactin, androgens, oestradiol and progesterone in adolescent girls with or without a family history of breast cancer. Boffard K, et al. **Eur J Cancer Clin Oncol** 1981 Oct;17(10):1071–7

Effect of ampicillin or amoxycillin administration on plasma and urinary estrogen levels during normal pregnancy. Van Look PF, et al. **Eur J Obstet Gynaecol Reprod Biol** 1981 Oct;12(4):225–33

Effect of caudate nuclei and frontal cortical ablations in cats: testosterone and 17 beta –estradiol concentrations. Olmstead CE, et al. **Exp Neurol** 1982 Jan;75(1):149–57

The value of ultrasound, gonadotropin, and estradiol measurements for precise ovulation prediction. Bryce RL, et al. **Fertil Steril** 1982 Jan;37(1):42–5

Correlation between estradiol and progesterone in cycles with luteal phase deficiency. Goldstein D, et al. **Fertil Steril** 1982 Mar;37(3):348–54

Ultrasound evaluation of estrogen monitoring for induction of ovulation with menotropins. Haning RV Jr, et al. **Fertil Steril** 1982 May;37(5):627–32

The effect of long–term naloxone infusion on the response of gonadotropins to luteinizing hormone–releasing hormone and on plasma estradiol concentration in a patient with a prolactin–secreting pituitary adenoma. Lamberts SW, et al. **Fertil Steril** 1981 Nov;36(5):678–81

Abnormal ovarian cycles as diagnosed by ultrasound and serum estradiol levels. Polan ML, et al. **Fertil Steril** 1982 Mar;37(3):342–7

Rates of exponential increase of serum estradiol concentrations in normal and human menopausal gonadotropin–induced cycles. Wilson EA, et al **Fertil Steril** 1982 Jan;37(1):46–9

Relationships between serum levels of gonadotropin, oestradiol–17 beta, and vitellogenin in the control of ovarian development in the rainbow trout. II. The effects of alterations in environmental photoperiod. Bromage NR, et al. **Gen Comp Endocrinol** 1982 Jul;47(3):366–76

Estrogen synthesis in relation to estrone, estradiol, and vitellogenin plasma levels during the reproductive cycle of the female rainbow trout, Salmo gairdneri. van Bohemen CG, et al. **Gen Comp Endocrinol** 1981 Sep;45(1):105–14

Fetal death in utero: effect on estrone, estradiol–17 beta and progesterone levels in the ewe. Abrams RM, et al. **Gynecol Obstet Invest** 1982;13(3):177–83

Serum 17 beta–estradiol and progesterone associated with mating behavior during early pregnancy in female rhesus monkeys. Wilson ME, et al. **Horm Behav** 1982 Mar; 16(1):94–106

Serum prolactin and oestradiol levels in women with cyclical mastalgia. Watt–Boolsen S, et al. **Horm Metab Res** 1981 Dec;13(12):700–2

Serum concentrations of total and non–protein–bound oestradiol in patients with breast cancer and in normal controls. Moore JW, et al. **Int J Cancer** 1982 Jan 15; 29(1):17–21

Pituitary and gonadal function during the use of progesterone– or progesterone–estradiol–releasing vaginal rings. Toivonen J. **Int J Fertil** 1980;25(2):106–11

Pituitary–ovarian hormones after low–dose endometrial afterloading irradiation. Grönroos M, et al. **Int J Gynaecol Obstet** 1981 Oct;19(5):375–80

Influence of conjugated oestrogens on circulating oestradiol, oestrone, LH, FSH and prolactin levels in postmenopausal women. Luisi M, et al. **Int J Tissue React** 1981 Jun; 3(2):77–81

The relationship between breed and litter size in sheep and maternal serum concentrations of placental lactogen, estradiol and progesterone. Butler WR, et al. **J Anim Sci** 1981 Oct;53(4):1077–81

Gas chromatographic-mass spectrometric analysis of endogenous levels of estradiol in plasma and in cytosol from rat uterus. Tetsuo M, et al. **J Chromatogr** 1982 Apr 30;239:287-300

Plasma concentrations of oestrone, oestradiol, oestriol and progesterone during mechanical stretch-induced abortion at mid-trimester. Manabe Y, et al. **J Endocrinol** 1981 Dec; 91(3):385-9

Sociosexual and hormonal changes in aging female bonnet macaques. Jensen GD, et al. **J Gerontol** 1982 Jul; 37(4):450-3

Plasma estradiol, thyroid hormones, and liver lipid content in laying hens fed different isocaloric diets. Akiba Y, et al. **J Nutr** 1982 Feb;112(2):299-308

Effect of progesterone, administered via intravaginal rings, on serum concentrations of oestradiol, FSH, LH and prolactin in women. Bäckström T, et al. **J Reprod Fertil** 1982 Jan;64(1):53-8

Plasma concentrations of oestradiol-17 beta and progesterone, and laparoscopic observations of the ovary in the puma (Felis concolor) during oestrus, pseudopregnancy and pregnancy. Bonney RC, et al. **J Reprod Fertil** 1981 Nov;63(2):523-31

Motor activity of the human Fallopian tube in vitro in relation to plasma concentration of oestradiol and progesterone, and the influence of noradrenaline. Helm G, et al. **J Reprod Fertil** 1982 Jan;64(1):233-42

Plasma concentrations of LH, prolactin, oestradiol and progesterone in female red deer (Cervus elaphus) during pregnancy. Kelly RW, et al. **J Reprod Fertil** 1982 Mar; 64(2):475-83

Hormonal levels following sterilization and hysterectomy. Corson SL, et al. **J Reprod Med** 1981 Jul;26(7):363-70

Changes in plasma concentrations of oestrogens and progesterone in women during anaesthesia and gynaecological operations. Braunsberg H, et al. **J Steroid Biochem** 1981 Aug;14(8):749-55

Conjugated and unconjugated oestrogens in men with hyperoestrogenism and in normal men: the day-to-day variation and the relationship between the different oestrogens. Myking OL, et al. **J Steroid Biochem** 1981 Sep; 14(9):935-40

Calculation of free and bound fractions of testosterone and estradiol-17 beta to human plasma proteins at body temperature. Södergård R, et al. **J Steroid Biochem** 1982 Jun;16(6):801-10

Increased oestradiol in diazepam related gynaecomastia [letter] Bergman D, et al. **Lancet** 1981 Nov 28; 2(8257):1225-6

Serum concentrations of oestrone, oestradiol and oestriol during various oestrogen treatments. Rauramo L, et al. **Maturitas** 1981 Aug;3(2):183-6

Obese young men have elevated plasma estrogen levels but obese premenopausal women do not. Zumoff B, et al. **Metabolism** 1981 Oct;30(10):1011-4

Changes of serum concentrations of dehydroepiandrosterone, its sulfate, 11-deoxy-17-ketosteroids, cortisol, estradiol, testosterone, prolactin and gonadotropins in normal prepubertal and pubertal females. Tomita Y, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1981 Oct; 33(10):1780-8

Odour of male and female rats changes hypothalamic aromatase and 5 alpha-reductase activity and plasma sex steroid levels in unisexually reared male rats. Dessi-Fulgheri F, et al. **Physiol Behav** 1982 Feb;28(2):231-5

Age differences in Copulatory behavior and serum 17 beta-estradiol in female rhesus monkeys. Wilson ME, et al. **Physiol Behav** 1982 Apr;28(4):733-7

The relationship of plasma estradiol and progesterone levels to the fatty liver hemorrhagic syndrome in laying hens. Haghighi-Rad F, et al. **Poult Sci** 1981 Oct;60(10):2278-83

Estrogen sulfates in the plasma of White Leghorn laying hens. Tsang CP, et al. **Poult Sci** 1981 Nov;60(11):5248-50

Temporal relationship between uterine weight, uterine blood flow, and serum progesterone and estradiol levels in the pseudopregnant rat. Garris DR. **Proc Soc Exp Biol Med** 1982 Mar;169(3):334-6

Effects of multiple small doses of progesterone on estrogen and gonadotropin secretion in the cyclic hamster. Greenwald GS. **Proc Soc Exp Biol Med** 1982 Feb; 169(2):189-92

Prostaglandin biosynthesis by the rat uterus during the oestrus cycle, temporal correlation with plasma oestradiol and progesterone concentrations, identification of 6 keto PGF1 alpha as the major metabolite. Thaler-Dao H, et al. **Prostaglandins** 1982 Mar;23(3):347-59

Radioimmunoassay of estradiol-17 beta in unextracted ewe plasma. Saumande J. **Steroids** 1981 Oct;38(4):425-37

Plasma levels of progesterone and oestradiol 17-beta in growing buffalo heifers. Jain GC, et al. **Zentralbl Veterinarmed** [A] 1981;28(6):455-8

Effect of prostaglandin F-2 alpha and cloprostenol (ICI, 80, 996) on plasma oestradiol-17 beta in the buffalo (Bubalus bubalis). Pandey RS, et al. **Zentralbl Veterinarmed** [A] 1982 Mar;29(2):149-54

[FSH, LH, estradiol and testosterone studies of the blood serum in endometriosis externa] Gunev V, et al. **Akush Ginekol (Sofiia)** 1981;20(4):312-5 (Eng. Abstr.) (Bul)

[Plasma levels of follicle-stimulating and luteinizing hormones, prolactin and estradiol in women with chronic kidney failure on programmed hemodialysis] Tanchev S, et al. **Vutr Boles** 1981;20(5):65-70 (Eng. Abstr.) (Bul)

[The value of FSH, LH, estradiol and testosterone after administration of Seda-Presomen in women after hysterectomy with bilateral adnexectomy] Stehlíková J, et al. **Acta Univ Palacki Olomuc Fac Med** 1981;101:139-45 (Ger)

[Estriol serum levels following betamethasone treatment for induction of fetal lung maturity (author's transl)] Friedrich F, et al. **Padiatr Padol** 1982;17(2):301-8 (Eng. Abstr.) (Ger)

[Functional and hormonal differences between group I and group II amenorrhoea (WHO classification) (author's transl)] Feichtinger W, et al. **Wien Klin Wochenschr** 1981 Mar 20;93(6):186-93 (Eng. Abstr.) (Ger)

[Evaluation of the estrogen-prolactin positive feedback and ovarian sensitivity to treatment with gonadotropins in normo- and hyper-prolactinemic amenorrhea patients (preliminary note)] Nappi C, et al. **Arch Ostet Ginecol** 1980 May-Jun;85(3):155-6 (Ita)

[Blood levels of prolactin, dehydroepiandrosterone sulfate, cortisol, testosterone and 17-beta-estradiol in chronic alcoholism] Chiodera P, et al. **G Clin Med** 1981 Jul; 62(7):437-42 (Eng. Abstr.) (Ita)

[Fundamental and clinical evaluation of rapid estradiol radioimmunoassay by 125I-E2 RIA kit (author's transl)] Oda T, et al. **Horumon To Rinsho** 1981 Nov;29(11):1441-7 (Jpn)

[Rapid assay method of serum estradiol by utilizing radioimmunoassay kit and its application for monitoring of gonadotropin therapy (author's transl)] Tsutsumi H, et al. **Horumon To Rinsho** 1981 Aug;29(8):967-70 (Jpn)

[Effects of halothane anesthesia and abdominal surgery on plasma testosterone, estradiol and progesterone levels (author's transl)] Takazawa T, et al. **Masui** 1981 Nov; 30(11):1191-201 (Eng. Abstr.) (Jpn)

[Studies on testicular endocrinological function by estimation of plasma testosterone, estradiol and estradiol testosterone ratio. Studies on testicular function; report 9 (author's transl)] Enatsu C, et al. **Nippon Hinyokika Gakkai Zasshi** 1981 Nov;72(11):1450-69 (Eng. Abstr.) (Jpn)

[The concentration of serum unconjugated estradiol, estriol and estetrol in pregnant women, and the significance of these hormones in pregnancy (author's transl)] Muraguchi K, et al. **Nippon Naibunpi Gakkai Zasshi** 1981 Jul 20; 57(7):974-82 (Eng. Abstr.) (Jpn)

[The clinical evaluation of the simultaneous measurement of plasma estradiol and testosterone: the imbalance of estradiol and testosterone] Morimoto I, et al. **Nippon Naika Gakkai Zasshi** 1981 Oct 10;70(10):1421-6 (Jpn)

[Changes of oxytocin, progesterone, estradiol and CAP around the labor by prostaglandin F2 alpha (author's transl)] Munakata M. **Nippon Sanka Fujinka Gakkai Zasshi** 1981 Oct; 33(10):1689-94 (Eng. Abstr.) (Jpn)

[A new method of ovulation induction with HMG-HCG by a E2 rapid radioimmunoassay (author's transl)] Uemura T, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1982 Jan; 34(1):11-20 (Eng. Abstr.) (Jpn)

[Simultaneous measurement of plasma testosterone, dihydrotestosterone and estradiol (author's transl)] Morimoto I, et al. **Rinsho Byori** 1981 Jun;29(6):636-9 (Jpn)

[Reproductive cycle and endocrine function in Japanese monkey (author's transl)] Oshima K. **Tanpakushitsu Kakusan Koso** 1982 Jan 5;27(2):289-306 (18 ref.) (Jpn)

[Prolactin, follicle-stimulating and luteinizing hormone, estradiol and progesterone content in the blood in sexual infantilism] Khamad'ianov UR, et al. **Akush Ginekol (Mosk)** 1981 Jul;(7):8-11 (Eng. Abstr.) (Rus)

[Unconjugated 17 beta-estradiol content in the materno-placenta-fetus system in premature labor] Kherts P, et al. **Akush Ginekol (Mosk)** 1981 Nov;(11):19-21 (Eng. Abstr.) (Rus)

[Estradiol, progesterone, gonadotropic hormone, chorionic gonadotropin and prolactin levels in women treated with clomiphene before and in the early stages of pregnancy] Savchenko ON, et al. **Akush Ginekol (Mosk)** 1981 Jun; (6):21-4 (Eng. Abstr.) (Rus)

DIAGNOSTIC USE

Studies on oestrogen stimulated neurophysin in women with anovulation. McHugh RE, et al. **Clin Endocrinol (Oxf)** 1981 Sep;15(3):209-20

Estrogen-sensitive neurons with preoptic projection in the lower brain stem of the female rat. Kawakami M, et al. **Endocrinol Jpn** 1981 Oct;28(5):677-84

Dynamics of basal pituitary gonadotropin secretion and responsiveness to LRH following estradiol benzoate in normal boys. Dickerman Z, et al. **Horm Res** 1982; 16(2):115-21

Dynamics of basal pituitary gonadotropin secretion and responsiveness to LRH following estradiol benzoate in normal girls. Gurewitz R, et al. **Horm Res** 1982; 16(3):174-81

IMMUNOLOGY

Immunorecognition of cytosol and nuclear estradiol receptor of fetal guinea pig uterus using monoclonal antibody. Giambiagi N, et al. **Endocrinology** 1982 Mar;110(3):1067-9

METABOLISM

Local placental influence on the uterine concentration of oestradiol-17 beta and progesterone in the pregnant guinea-pig. Batra S, et al. **Acta Endocrinol (Copenh)** 1981 Oct;98(2):302-7

Effects of ethanol and other organic solvents on the kinetic behaviour of purified human placental oestradiol-17 beta-dehydrogenase. Lübbert H. **Acta Endocrinol (Copenh)** 1982 Mar;99(3):448-53

Hypothalamic and pituitary cytosol receptors to 5 alpha-dihydrotestosterone and oestradiol-17 beta during the prepubertal period in the male lamb. Pelletier J. **Acta Endocrinol (Copenh)** 1982 Jun;100(2):161-7

In vitro inactivation of the oestradiol receptor by a lysosome-enriched fraction from rat uterus. Pino AM, et al. **Acta Endocrinol (Copenh)** 1981 Oct;98(2):295-301

Effect of insulin and epinephrine on some early oestrogenic responses in the rat uterus. Steinsapir J, et al. **Acta Endocrinol (Copenh)** 1982 Feb;99(2):263-71

Ovarian venous outflow, progesterone and 17 beta-oestradiol secretion and peripheral blood level during pregnancy in the rat. Varga B, et al. **Acta Physiol Acad Sci Hung** 1981; 58(2):141-6

The desmoid tumor. III. A biochemical and genetic analysis. Häyry P, et al. **Am J Clin Pathol** 1982 Jun;77(6):681-5

Abnormal estrogen and androgen metabolism in the human with systemic lupus erythematosus. Lahita RG, et al. **Am J Kidney Dis** 1982 Jul;2(1 Suppl 1):206-11

A facile assay for 2-hydroxylation of estradiol by liver microsomes. Kupfer D, et al. **Anal Biochem** 1981 Sep 1; 116(1):27-34

Evidence that in vivo estradiol receptor translocated into nuclei is dephosphorylated and released into cytoplasm. Auricchio F, et al. **Biochem Biophys Res Commun** 1982 May 14;106(1):149-57

Estradiol binding in the cytosol and nuclear pellet of electrolytically treated rat uteri. Fishman JH. **Biochem Biophys Res Commun** 1981 Nov 30;103(2):475-82

Identification of specific high affinity sites for the estradiol receptor in the erythrocyte cytoskeleton. Puca GA, et al. **Biochem Biophys Res Commun** 1981 Nov 30;103(2):682-9

Estradiol receptors in articular chondrocytes. Rosner IA, et al. **Biochem Biophys Res Commun** 1982 Jun 30; 106(4):1378-82

Partial purification and characterization of oestrogen receptors in subfractions of hepatocyte plasma membranes. Pietras RJ, et al. **Biochem J** 1980 Dec 1;191(3):743-60

The binding of [3H]oestradiol-receptor complexes to calf uterine chromatin. Ruh TS, et al. **Biochem J** 1981 Oct 15; 200(1):133-42

The unoccupied nuclear oestradiol receptor in the rat uterus and hypothalamus during the oestrous cycle. Thrower S, et al. **Biochem J** 1981 Mar 15;194(3):667-71

Molybdate interaction with the estrogen receptor: effects on estradiol binding and receptor activation. Mauck LA, et al. **Biochemistry** 1982 Apr 13;21(8):1788-93

The steroid ligands of estrogen binding proteins in Xenopus laevis liver cytosol are primarily metabolites 17beta-estradiol. Croall DE. **Biochim Biophys Acta** 1982 Feb 2;714(2):200-8

Properties of estradiol binding components in hamster uterine nuclei. Okulicz WC, et al. **Biochim Biophys Acta** 1981 Oct 12;677(2):253-6

Relationship between follicular size and antral fluid steroid concentrations at three stages of the estrous cycle in the ewe. England BG, et al. **Biol Reprod** 1981 Jun; 24(5):1068-75

Quantitative autoradiographic analysis of in situ estrogen concentration by individual cell types of mouse target organs: dose-uptake study. Holderegger C, et al. **Biol Reprod** 1981 Nov;25(4):719-24

Oestradiol: the predominant intranuclear oestrogen in the endometrium of oestrogen-treated postmenopausal women. Whitehead MI, et al. **Br J Obstet Gynaecol** 1981 Sep; 88(9):914-8

Oestrogen receptor proteins in malignant and fetal pancreas. Greenway B, et al. **Br Med J [Clin Res]** 1981 Sep 19; 283(6294):751-3

Nuclear retention characteristics of [3H]estrogen by cells in four estrogen target regions of the rat brain. Keefer DA. **Brain Res** 1981 Dec 14;229(1):224-9

Anatomical distribution of estrogen target neurons in turtle brain. Kim YS, et al. **Brain Res** 1981 Dec 28; 230(1-2):195-204

Is testosterone metabolized to estrogen in the forebrain of the Rockland-Swiss mouse? Sheridan PJ, et al. **Brain Res** 1982 May 13;239(2):664-7

Purification and partial characterization of a 17 beta-estradiol-binding macromolecule in the human pancreas. Pousette A, et al. **Cancer Res** 1982 Feb; 42(2):633-7

Localization of 3H-estradiol in the uterus of pregnant and non-pregnant armadillos. Weaker FJ, et al. **Cell Tissue Res** 1981;220(4):773-80

16 Alpha-[125I]-beta-estradiol compared with [3H]-beta-estradiol as the tracer in estradiol receptor assays. Tercero JC, et al. **Clin Chem** 1981 Nov; 27(11):1915-7

Failure of positive feedback of oestradiol during chronic

intranasal luteinizing hormone-releasing hormone agonist treatment. Bergquist C, et al. **Clin Endocrinol (Oxf)** 1982 Feb;16(2):147-51

Comparison of plasma and myometrial tissue concentrations of estradiol-17 beta and progesterone in nonpregnant women. Akerlund M, et al. **Contraception** 1981 Apr; 23(4):447-55

Levonorgestrel and estradiol release from an improved contraceptive vaginal ring. Jackanicz TM. **Contraception** 1981 Oct;24(4):323-39

Mono-oxygenase induction in the human placenta. Interrelationships among position-specific hydroxylations of 17 beta-estradiol and benzo[a]pyrene. Juchau MR, et al. **Drug Metab Dispos** 1982 May-Jun;10(3):220-4

Translocation of the testicular estradiol receptor is not an obligatory step in the gonadotropin-induced inhibition of C17-20-lyase. Brinkmann A, et al. **Endocrinology** 1982 May;110(5):1834-6

Estrogen receptor in avian embryo and adult liver: estrogen receptor activation and dissociation kinetics of estradiol, ethynylestradiol, and moxestrol. De Boer W, et al. **Endocrinology** 1982 Apr;110(4):1217-24

Effect of pyridoxal 5'-phosphate on oligodeoxynucleotide binding of mouse uterine cytosol estradiol-receptor complexes. Henrikson KP, et al. **Endocrinology** 1981 Oct; 109(4):1196-202

Catechol estrogen formation by brain tissue: a comparison of the release of tritium from [2-3H]estradiol with [6,7-3H]2-hydroxyestradiol formation from [6,7-3H]estradiol by rabbit hypothalami in vitro. Hersey RM, et al. **Endocrinology** 1981 Dec;109(6):1902-11

Ontogeny of 5 alpha-androstan-3 beta, 17beta-diol and 17 beta-estradiol binding to cytoplasm and nuclei of the male rat. Thieulant ML, et al. **Endocrinology** 1982 Apr; 110(4):1300-7

Estradiol binding in different parts of the rabbit oviduct during egg transport. Puri RK, et al. **Endokrinologie** 1981 Oct;78(1):12-20

Steroid hormone receptors in mammary carcinoma: the effect of tamoxifen. Koenders AJ, et al. **Eur J Cancer** 1980;Suppl 1:63-6

Oestrogen receptor assay--limitation of the method. Poulsen HS. **Eur J Cancer** 1981 May;17(5):495-501

Autoradiographic demonstration of estrogen uptake by the armadillo pituitary gland. Herbert DC, et al. **Experientia** 1981;37(9):1035-6

Estrogen binds to hypothalamic nuclei of androgen-insensitive (tfm) rats. Olsen KL, et al. **Experientia** 1982 Jan 15;38(1):139-40

Identification of target cells for estrogen in the pars distalis of the armadillo by immunocytochemistry. Herbert DC, et al. **Gen Comp Endocrinol** 1982 May;47(1):99-103

Nuclear uptake of radioactivity by cells of pituitary, brain, uterus, and vagina of the Asian musk shrew (Suncus murinus) following [3H] estradiol administration. Keefer DA, et al. **Gen Comp Endocrinol** 1982 May;47(1):125-30

Dynamics of in situ estrogen uptake by nuclei of individual pituitary and uterine cell types. Keefer DA. **Horm Metab Res** 1982 Apr;14(4):209-12

Effects of estradiol and progesterone on Bacteroides melaninogenicus and Bacteroides gingivalis. Kornman KS, et al. **Infect Immun** 1982 Jan;35(1):256-63

Physical properties of estrogen receptor complexes in MCF-7 human breast cancer cells. Differences with anti-estrogen and estrogen. Eckert RL, et al. **J Biol Chem** 1982 Aug 10;257(15):8840-6

Calf uterine estradiol receptor. Effects of molybdate on salt-induced transformation process and characterization of a nontransformed receptor state. Redeuilh G, et al. **J Biol Chem** 1981 Nov 25;256(22):11496-502

Mouse alpha 1-fetoprotein and albumin. A comparison of their binding properties with estrogen and fatty acid ligands. Savu L, et al. **J Biol Chem** 1981 Sep 25; 256(18):9414-8

Effects of human cirrhotic serum on estradiol and testosterone transport into rat brain. Sakiyama R, et al. **J Clin Endocrinol Metab** 1982 Jun;54(6):1140-4

The effect of 5,5'-diphenylhydantoin on the metabolism of 17 beta-estradiol by rat oral mucosa. Vittek J, et al. **J Dent Res** 1982 Aug;61(8):1010-3

Characterization and measurement of cytoplasmic and nuclear oestradiol-17 beta-receptor proteins in benign hypertrophied human prostate. Auf G, et al. **J Endocrinol** 1982 Jun;93(3):305-17

Accumulation of luteinizing hormone, oestradiol and androstenedione by sheep ovarian follicles in vivo. McNatty KP, et al. **J Endocrinol** 1981 Oct;91(1):99-109

Autoradiographic demonstration of uptake and retention of 3H-estradiol after in vitro incubation. Buell RH, et al. **J Histochem Cytochem** 1981 Nov;29(11):1316-21

Quantification of in vivo 3H-estrogen uptake by individual anterior pituitary cell types of male rat: a combined autoradiographic-immunocytochemical technique. Keefer DA. **J Histochem Cytochem** 1981 Jan;29(1A Suppl):167-74

Comparison of the transplacental pharmacokinetics of 17 beta-estradiol and diethylstilbestrol in the subhuman primate. Slikker W Jr, et al. **J Pharmacol Exp Ther** 1982 Apr;221(1):173-82

Uterine blood flow and uterine arterial, venous and luminal concentrations of oestrogens on days 11, 13 and 15 after oestrus in pregnant and non-pregnant sows. Ford SP, et al. **J Reprod Fertil** 1982 Jan;64(1):185-90

Changes in DNA, cyclic nucleotides and steroids during induced follicular atresia in the hamster. Hubbard CJ, et al. **J Reprod Fertil** 1981 Nov;63(2):455-61

Steroid transfer from the ovarian vein to the ovarian artery in the sow. Krzymowski T, et al. **J Reprod Fertil** 1982 Jul;65(2):451-6

Proteolytic enzymes and gonadal hormones of the ovarian follicle wall during ovulation in the domestic fowl (Gallus domesticus). Tojo H, et al. **J Reprod Fertil** 1982 Jan; 64(1):73-7

In vivo and in vitro metabolism of estrone and estradiol-17 beta and their 3-sulfates in pregnant female guinea pigs: a plausible prehormone role of estrogen-sulfates in the maternal uterus. Adessi GL, et al. **J Steroid Biochem** 1982 Jan;16(1):107-16

The in vitro metabolism of estrone and estradiol-17 beta and their 3-sulfates by the renal tissues from pregnant and female fetal guinea-pigs. Adessi GL, et al. **J Steroid Biochem** 1981 Dec;15:453-9

Studies on estrogen receptors in the cytosol and nuclei of the rat anterior pituitary gland. Determination of specific sites by [3H]-estradiol exchange assay. Alonso GE, et al. **J Steroid Biochem** 1981 Dec;14(12):1285-91

Estrogen binding in target tissues; a GC/MS method for assessing uptake, retention and processing of estrogens in target cell nuclei under in vivo conditions. Axelson M, et al. **J Steroid Biochem** 1981 Dec;14(12):1253-60

Relationships between type I and II estradiol binding sites and estrogen induced responses. Clark JH, et al. **J Steroid Biochem** 1981 Dec;15:49-54

Variability of levels of specific estrogen binding in a human endometrial adenocarcinoma cell line. Fridman O, et al. **J Steroid Biochem** 1982 May;16(5):607-12

17 beta-Oxidation of estradiol and testosterone in the human testis. Leinonen P. **J Steroid Biochem** 1982 Feb; 16(2):277-81

Estradiol and progesterone receptor concentrations and 17 beta-hydroxysteroid-dehydrogenase activity in estrogen-progestin stimulated endometrium of women with gonadal dysgenesis. Lübbert H, et al. **J Steroid Biochem** 1982 Aug;17(2):143-8

Quantitation of nuclear-estrogen receptors in the rat uterus by [3H]-estradiol exchange. Markaverich BM, et al. **J Steroid Biochem** 1981 Dec;15:289-92

The effect of alcohol on the in vitro absorption of estradiol and estrone sulphate in rat intestine. Martins OO, et al. **J Steroid Biochem** 1982 Feb;16(2):265-8

Hormone binding of estradiol-17 beta receptor: evidence for its regulation by cytoplasmic phosphorylation and nuclear dephosphorylation. Prevention of dephosphorylation by antiestrogens. Migliaccio A, et al. **J Steroid Biochem** 1981 Dec;15:369-73

Estrogen binding properties of a haptoglobin-hemoglobin complex isolated from human fetus. Mucchielli A. **J Steroid Biochem** 1982 Jun;16(6):713-6

Increase in the estrogen binding capacity of breast cancer cytosols following limited proteolysis with trypsin. Pettersson K, et al. **J Steroid Biochem** 1982 Mar; 16(3):369-72

Immunologic inhibition of estrogen binding and action in preputial-gland cells and their subcellular fractions. Pietras RJ, et al. **J Steroid Biochem** 1981 Aug;14(8):679-91

Changes in cytosolic and nuclear estradiol receptors of normal Fallopian tube throughout the menstrual cycle. Pino AM, et al. **J Steroid Biochem** 1982 Feb;16(2):193-7

Interaction of calf uterus estradiol receptor with erythrocyte cytoskeleton. Puca GA, et al. **J Steroid Biochem** 1981 Dec; 15:307-12

Autoradiographic localization of [3H]-estradiol in the fetal guinea-pig hypothalamus-simultaneous demonstration of GnRH production by immunohistochemistry. Tardy J, et al. **J Steroid Biochem** 1981 Dec;15:293-7

Binding characteristics of 5-androstene-3 beta, 17 beta-diol and estradiol-17 beta to the cytoplasmic estrogen receptor of the immature rat uterus. Van Doorn LG, et al. **J Steroid Biochem** 1982 May;16(5):661-71

Binding of sex hormones by male rat liver microsomes. Yamada M, et al. **J Steroid Biochem** 1982 Mar;16(3):437-46

Estrogen inhibits the dopaminergic supersensitivity induced by neuroleptics. Fields JZ, et al. **Life Sci** 1982 Jan 18; 30(3):229-34

Selenium, estradiol 17 beta, nitrites, and human breast cancer. Lombard LF. **Med Hypotheses** 1982 Apr;8(4):371-82

The dissociation rate of estrogen receptor-ligand complexes is increased by high concentrations of steroids and antiestrogens. Borgna JL, et al. **Mol Cell Endocrinol** 1982 Jun;27(1):1-15

Prostaglandin regulation of the content of sex hormone receptors in human decidual tissue. Yudaev NA, et al. **Neurosci Behav Physiol** 1981 Sep-Oct;11(5):443-6

Specific estradiol binding in schwannomas, meningiomas, and neurofibromas. Martuza RL, et al. **Neurosurgery** 1981 Dec; 9(6):665-71

In vivo availability of circulating estradiol in postmenopausal women with and without endometrial cancer. Gambone JC, et al. **Obstet Gynecol** 1982 Apr;59(4):416-21

Pharmacokinetics of estradiol-17 beta in the laying hen. Johnson AL, et al. **Poult Sci** 1981 Dec;60(12):2720-3

Requirement for an accessory factor for binding of [3H]estradiol to protein in the cytosol fraction of rat pancreas. Boctor AM, et al. **Proc Natl Acad Sci USA** 1981 Sep;78(9):5648-51

Abnormal oxidative metabolism of estradiol in women with breast cancer. Schneider J, et al. **Proc Natl Acad Sci USA** 1982 May;79(9):3047-51

Monoclonal anti-tyrosine hydroxylase antibodies. Hakim AA. **Proc Soc Exp Biol Med** 1981 Oct;168(1):82-96

Dynamics of testosterone, dihydrotestosterone and estradiol-17 beta uptake and metabolism in the brain of the male guinea pig. Sholl SA, et al. **Psychoneuroendocrinology** 1981;6(2):105-11

Correlation between tyrosine hydroxylase activity, melanogenesis, and estradiol binding in human melanoma cells. Hakim AA. **Res Exp Med (Berl)** 1982;180(2):99-115

Estradiol binding by intact cells isolated from DMBA-induced mammary tumors of the rat. Capuco AV, et al. **Steroids** 1981 Jun;37(6):649-62

Sites of in vivo extraction and interconversion of estrone and estradiol in the dog. Dupuy GM, et al. **Steroids** 1982 Feb;39(2):201-19

The aging Leydig cell: VII. Cytoplasmic estradiol receptors. Lin T, et al. **Steroids** 1981 Oct;38(4):407-15

The specific binding of estradiol and estrone and the subsequent distribution of estrogen-receptor complexes within MCF-7 human breast cancer cells. MacIndoe JH, et al. **Steroids** 1982 Mar;39(3):245-58

Effect of chloroquine administration on the in vitro conjugation of oestradiol-17 beta by rat liver. Adejuwon CA, et al. **Toxicol Lett** 1982 Apr;11(1-2):61-6

[Metabolism of [9, 11-3H]estradiol-3-benzoate in rats (author's transl)] Wu DL, et al. **Chung Kuo Yao Li Hsueh Pao** 1982 Jun;3(2):128-30 (Eng. Abstr.) **(Chi)**

[(6, 7(-3)H) estradiol exchange for estimation of estrogen-receptor complex on nuclear sediment (author's transl)] Yao LS, et al. **Chung Kuo Yao Li Hsueh Pao** 1981 Jun;2(2):88-93 (Eng. Abstr.) **(Chi)**

[Physiological and pharmacological regulation of sex steroid receptors in the endometrium (author's transl)] Bayard F. **Ann Endocrinol (Paris)** 1981 Oct-Nov;42(4-5):321-6 (Eng. Abstr.) **(Fre)**

[Estradiol receptor in relation to clinical parameters of mammary tumor patients (author's transl)] Görlich M, et al. **Arch Geschwulstforsch** 1981;51(7):631-6 (Eng. Abstr.) **(Ger)**

[Determination of estradiol receptors in primary and metastatic breast cancer] Antunes JR. **Rev Paul Med** 1981 Jul-Sep;97(7-9):103-5 (Eng. Abstr.) **(Por)**

[Reaction between steroid hormones, the liver and its plasma membrane] Denisov IuP, et al. **Biull Eksp Biol Med** 1981 Jun;91(6):722-5 (Eng. Abstr.) **(Rus)**

[Production of antibodies to a specific estrogen-binding protein of rat liver and study of the reaction between isolated immunoprecipitates and estradiol] Smirnova OV, et al. **Biull Eksp Biol Med** 1981 Oct;91(10):462-5 (Eng. Abstr.) **(Rus)**

[3H-estradiol-17 beta incorporation in the chick embryo ovary in vitro] Angelova P, et al. **Doki Akad Nauk SSSR** 1982;265(1):222-4 **(Rus)**

[Dynamics of the content of estradiol cytoplasmic and nuclear receptors in the rat hypothalamus in the course of the estrous cycle and postnatal development] Peryshkova TA, et al. **Ontogenez** 1981;12(4):390-7 (Eng. Abstr.) **(Rus)**

[Treatment of malignant breast tumors containing estrogen receptors] El'tsina NV. **Vopr Onkol** 1982;28(4):95-102 (47 ref.) **(Rus)**

PHARMACODYNAMICS

An analytic cellular evaluation of aspirated smears from transplanted human endometrial adenocarcinoma in nude mice treated with 17 beta-estradiol and progesterone. Ishiwata I, et al. **Acta Cytol (Baltimore)** 1982 Mar-Apr; 26(2):251-8

Distribution of oestrogen-induced peroxidase in the rat uterus. Affleck A, et al. **Acta Endocrinol (Copenh)** 1981 Dec;98(4):609-13

Effect of metoclopramide induced hyperprolactinaemia on the gonadotrophic response to oestradiol and LRH. Andersen AN, et al. **Acta Endocrinol (Copenh)** 1982 May; 100(1):1-9

Influence of medroxyprogesterone acetate (Provera) on plasma growth hormone levels and on carbohydrate metabolism. II. Studies in the ovariohysterectomized, oestradiol-primed bitch. Eigenmann JE, et al. **Acta Endocrinol (Copenh)** 1981 Dec;98(4):603-8

Induction of ovulation in immature female rats by a single injection of 4-hydroxyoestradiol-dibenzoate. Emons G, et al. **Acta Endocrinol (Copenh)** 1982 May;100(1):105-8

Effects of the antioestrogen tamoxifen on steroid induced morphological and biochemical changes in the castrated dog prostate. Funke PJ, et al. **Acta Endocrinol (Copenh)** 1982 Jul;100(3):462-72

Different effects of oestradiol, oestriol, oestetrol and of oestrone on human breast cancer cells (MCF-7) in long term tissue culture. Jozan S, et al. **Acta Endocrinol (Copenh)** 1981 Sep;98(1):73-80

Evidence for two independent effects of oestradiol benzoate on the renin-angiotensin-aldosterone system. Kaulhausen H, et al. **Acta Endocrinol (Copenh)** 1982 May;100(1):77-84

Effect of oestrogen on the responsiveness of the pituitary gland to LRH: the role of corpora lutea. Koiter TR, et al. **Acta Endocrinol (Copenh)** 1981 Sep;98(1):29-35

Effect of 2-substituted oestrogens in vivo on the metabolism

of noradrenaline in rat brain. Köster G, et al. **Acta Endocrinol (Copenh)** 1982 Jan;99(1):1–8

Comparative response to oestradiol in the synthesis of the progesterone receptor in the maternal and foetal uterus of guinea pig and rabbit at the end of gestation. Laure F, et al. **Acta Endocrinol (Copenh)** 1981 Sep;98(1):126–32

Hyperprolactinaemia does not affect the development of the stimulatory mechanism of oestrogen–progesterone on LH secretion. Moguilevsky JA, et al. **Acta Endocrinol (Copenh)** 1981 Oct;98(2):184–8

Release of LH in vitro from anterior pituitary glands of ovariectomized rats by LRH or elevated potassium concentration after pre–treatment with oestradiol benzoate in vivo. Tijssen AM, et al. **Acta Endocrinol (Copenh)** 1982 Feb;99(2):206–10

Effects of oestradiol and levonorgestrel on lipoprotein lipids and postheparin plasma lipase activities in normolipoproteinaemic women. Tikkanen MJ, et al. **Acta Endocrinol (Copenh)** 1982 Apr;99(4):630–5

In vitro responses of proliferating and non–proliferating cells to high doses of 17 beta–estradiol: cytochemical study. Gotzos V, et al. **Acta Histochem (Jena)** 1981;69(1):40–9

Response of rat aortic adventitial fibroblasts to oestradiol treatment in vivo. Role of the cell tubulin system. Chaldakov GN, et al. **Acta Morphol Acad Sci Hung** 1982; 30(1):27–34

Influence of 2 mg estradiol–17 beta on circulating FSH, LH, total and unconjugated estradiol levels in post–menopausal women. Andreasson B, et al. **Acta Obstet Gynecol Scand** 1981;60(6):555–8

Endocervical changes in the guinea pig after treatment with 17–beta – oestradiol and 9,10 dimethylbenzanthracene. Thomas JA, et al. **Adv Exp Med Biol** 1982;144:281–4

Effect of estradiol and progesterone on the secretory immune system in the female genital tract. Wira CR, et al. **Adv Exp Med Biol** 1981;138:99–111

Control of the secretory cell cycle in cat oviduct by estradiol and progesterone. Bareither ML, et al. **Am J Anat** 1981 Oct;162(2):107–18

Hormonal effects on the contractile apparatus of the myometrium. Kelly RE, et al. **Am J Anat** 1981 Aug; 161(4):375–82

Localization of relaxin in endometrial gland cells of pregnant, lactating, and ovariectomized hormone–treated guinea pigs. Pardo RJ, et al. **Am J Anat** 1982 May;164(1):79–90

Plasminogen activator production by trophoblast cells in vitro: effect of steroid hormones and protein synthesis inhibitors. Martin O, et al. **Am J Obstet Gynecol** 1982 Feb 15;142(4):402–9

Vitamin D metabolism in aged Japanese quail: dietary calcium and estrogen effects. Baksi SN, et al. **Am J Physiol** 1981 Oct;241(4):E275–80

The role of estrogen receptor in Xenopus laevis vitellogenin gene expression. Hayward MA, et al. **Am J Physiol** 1982 Jul;243(1):C1–6

Site of estrogen action in rabbit ovarian tissue. Holt JA, et al. **Am J Physiol** 1982 Sep;243(3):E188–95

Increased heat loss in ovariectomized hypothyroid rats treated with estradiol. Laudenslager ML, et al. **Am J Physiol** 1982 Jul;243(1):R70–6

Obesity in Osborne–Mendel and S 5B/Pl rats: effects of sucrose solutions, castration, and treatment with estradiol or insulin. Schemmel RA, et al. **Am J Physiol** 1982 Sep; 243(3):R347–53

Theophylline–estrogen interaction in the rat uterus: role of the ovary. Steinsapir J, et al. **Am J Physiol** 1982 Feb; 242(2):E121–6

Estradiol stimulation of pituitary cAMP production and cAMP binding. Tang LK, et al. **Am J Physiol** 1982 Aug; 243(2):E109–13

Estradiol stimulation of LH response to LHRH and LHRH binding in pituitary cultures. Tang LK, et al. **Am J Physiol** 1982 Jun;242(6):E392–7

Tanycytes in long–term ovariectomized ewes treated with estrogen exhibit ultrastructural features associated with increased cellular activity. Coates PW, et al. **Anat Rec** 1982 May;203(1):179–87

Nuclear bodies as structural indicators of estrogenic stimulation in uterine luminal epithelial cells. Padykula HA, et al. **Anat Rec** 1981 Dec;201(4):679–96

Effect of sex steroids on pituitary and serum prolactin level in ovariectomized catfish, Clarias batrachus. Singh SP, et al. **Ann Endocrinol (Paris)** 1981 Jan–Mar;42(1):57–62

In vitro synthesis of the glycosaminoglycans in estrogen–induced medullary bone in Japanese quail. Hunter SJ, et al. **Arch Biochem Biophys** 1981 Sep;210(2):647–52

Effect of estradiol benzoate on the rate of myofibrillar protein degradation in growing ovariectomized female rats. Santidrián S, et al. **Arch Farmacol Toxicol** 1981 Aug; 7(2):215–22

Influence of genetic hyperlipemia in the Zucker rat upon the lipemic response to graded estradiol exposure. Wilson JN, et al. **Atherosclerosis** 1982 Jan;41(1):99–114

Estradiol maintains castrated male rats' sexual reflexes in copula, but not ex copula. O'Hanlon JK, et al. **Behav Neural Biol** 1981 Jun;32(2):269–73

Dopamine receptors in the rat pituitary and the transplantable, pituitary tumor MtTF4: effect of chronic treatment with oestradiol. André J, et al. **Biochem Biophys Res Commun** 1982 May 14;106(1):229–35

Effect of 17 beta–estradiol and testosterone on guanosine 3', 5'–cyclic monophosphate in the rat adrenal cortex. Guillemant J, et al. **Biochem Biophys Res Commun** 1981 Jun;100(4):1727–34

An estrogen–stimulated 1,25–dihydroxyvitamin D3 receptor in rat uterus. Walters MR. **Biochem Biophys Res Commun** 1981 Nov 30;103(2):721–6

Effects of estrogens on aryl hydrocarbon hydroxylase mediated binding of benzo(a) pyrene metabolites to DNA in vitro. Williams MT, et al. **Biochem Biophys Res Commun** 1982 Feb 26;104(4):1349–55

Short–term effect of estrogen on release of prolactin by pituitary cells in culture. Zyzek E, et al. **Biochem Biophys Res Commun** 1981 Oct 30;102(4):1151–7

Differential sensitization to deoxyribonuclease I of Xenopus vitellogenin and albumin genes during primary and secondary induction of vitellogenesis by oestradiol. Dimitriadis GJ, et al. **Biochem J** 1982 Feb 15;202(2):491–7

Functional development of sex accessory organs of the male rat. Use of oestradiol benzoate to identify the neonatal period as critical for development of normal protein–synthetic and secretory capabilities. Higgins SJ, et al. **Biochem J** 1981 Mar 15;194(3):895–905

Role of propylamine transferases in hormone–induced stimulation of polyamine biosynthesis. Käpyaho K, et al. **Biochem J** 1980 Oct 15;192(1):59–63

Hormonal regulation of retinoic acid–binding proteins in the mammary gland. Mehta RG, et al. **Biochem J** 1981 Dec 15;200(3):591–5

Spectral properties of the oestrogen–induced rat uterus peroxidase II and some of its derivatives. Olsen RL, et al. **Biochem J** 1982 Jan 1;201(1):91–4

Changes in quantities of high–mobility–group protein 1 in oviduct cellular fractions after oestrogen stimulation. Teng CT, et al. **Biochem J** 1981 Jul 15;198(1):85–90

The nuclear oestrogen receptor in the female rat. Effects of oestradiol administration during the oestrous cycle on the uterus and contrasting effects of progesterone on the uterus and hypothalamus. Thrower S, et al. **Biochem J** 1981 Aug 15;198(2):385–9

Alcohol dehydrogenase activity in rat kidney cortex stimulated by oestradiol. Dembić Z, et al. **Biochim Biophys Acta** 1982 Feb 2;714(2):331–6

5 alpha–Dihydrotestosterone–induced uteroglobin synthesis in rabbit uterus is not inhibited by antiandrogen administration but is prevented by estradiol. Kopu H. **Biochim Biophys Acta** 1981 Jul 27,654(2):293–6

Inhibition by tamoxifen of estrogen–stimulated accumulation of preprolactin messenger ribonucleic acid. Spona J, et al. **Biochim Biophys Acta** 1981 Nov 27;656(1):45–54

Estradiol–induced vitellogenin synthesis in duck liver. Van den Boogaart P, et al. **Biochim Biophys Acta** 1981 Jun 26; 654(1):1–10

Role of sex steroid hormones in the normal and glucocorticosteroid hormone–induced evolution of carbamoylphosphate synthase (ammonia) and arginase activity in rat liver ontogenesis. Lamers WH, et al. **Biol Neonate** 1981;40(1–2):78–90

The uterine progestational response to cats: changes in morphology and progesterone receptors during chronic administration of progesterone to estradiol–primed and nonprimed animals. Boomsma RA, et al. **Biol Reprod** 1982 Apr;26(3):511–21

Influence of testosterone, estradiol–17 beta and dihydrotestosterone on circulating LH and FSH in castrate male guinea pigs. Buhl AE, et al. **Biol Reprod** 1982 Apr; 26(3):404–12

Effects of daily administration of estradiol–17 beta on follicular growth, ovulation, and plasma hormones in mares. Burns PJ, et al. **Biol Reprod** 1981 Jun;24(5):1026–31

Inhibitory effect of estradiol–17 beta on human chorionic gonadotropin–induced increment of testicular blood flow and plasma testosterone concentration in rats. Damber JE, et al. **Biol Reprod** 1981 Oct;25(3):555–9

Temporal effects of testosterone–estradiol polydimethylsiloxane subdermal implants on pituitary, Leydig cell, and germinal epithelium function and daily serum testosterone rhythm in male rats. Dykman DD, et al. **Biol Reprod** 1981 Sep;25(2):235–43

Surface changes in oviduct, uterus and vaginal cells of neonatal mice after estradiol–17 beta and the insecticide chlordecone (Kepone) treatment: a scanning electron microscopic study. Eroschenko VP. **Biol Reprod** 1982 May; 26(4):707–20

Estradiol induces and progesterone inhibits the preovulatory surges of luteinizing hormone and follicle–stimulating hormone in heifers. Kesner JS, et al. **Biol Reprod** 1982 May; 26(4):571–8

Localization of uterine peroxidase activity in estrogen–treated rats. King WJ, et al. **Biol Reprod** 1981 Nov;25(4):859–70

Estrogen, progesterone, and the blood–uterine lumen permeability barrier in rats. McRae AC, et al. **Biol Reprod** 1981 Sep;25(2):314–20

Infertility in superovulated immature rats: role of ovarian steroid hypersecretion. Miller BG, et al. **Biol Reprod** 1982 Jun;26(5):861–8

GnRH–receptor interaction. VI. Effect of progesterone and estradiol on hypophyseal receptors for GnRH, and serum and hypophyseal concentrations of gonadotropins in ovariectomized ewes. Moss GE, et al. **Biol Reprod** 1981 Dec;25(5):938–44

Effects of ovarian hormones on endocytosis at the basal membranes of rat uterine epithelial cells. Parr MB. **Biol Reprod** 1982 Jun;26(5):909–13

Effects of estradiol on the acetylation of histones in the fetal uterus of the guinea pig. Pasqualini JR, et al. **Biol Reprod** 1981 Dec;25(5):1035–9

Cryptorchidism: residual effects on steroid–regulated gonadotropin release in recently castrated rhesus monkeys. Resko JA, et al. **Biol Reprod** 1981 Jun;24(5):1056–60

Effects of testosterone, dihydrotestosterone, and estradiol on the impaired prolactin response to metoclopramide in the castrated rat. Zylber–Haran EA, et al. **Biol Reprod** 1981 Aug;25(1):6–14

Short–term culture of human breast cancer: in vitro effects of hormones related to patient response. Poulsen HS, et al. **Br J Cancer** 1982 Jul;46(1):67–74

The effect of progesterone, oestrogens and hydrocortisone on the mitogenic response of lymphocytes to phytohaemagglutinin in pregnant and non–pregnant women. Skinnider LF, et al. **Br J Obstet Gynaecol** 1981 Nov;88(11):1110–4

Age associated changes in sodium, potassium and moisture contents of turkey skeletal muscles and a note on the effects of testosterone and 17–beta–oestradiol. Ranaweera KN, et al. **Br Poult Sci** 1982 May;23(3):195–8

Hormonal induction of lactation in the cow. Lembowicz K, et al. **Br Vet J** 1982 May–Jun;138(3):203–8

Differential effects of gonadal steroids on dopamine metabolism in mesolimbic and nigro–striatal pathways of male rat brain. Alderson LM, et al. **Brain Res** 1981 Aug 10;218(1–2):189–206

Masculinization of the female rat spinal cord following a single neonatal injection of testosterone propionate but not estradiol benzoate. Breedlove SM, et al. **Brain Res** 1982 Apr 8;237(1):173–81

Ultrastructural changes in the hypothalamic ventromedial nucleus of ovariectomized rats after estrogen treatment. Carrer HF, et al. **Brain Res** 1982 May 27;240(2):221–33

Estradiol treatment decreases type A and increases type B monoamine oxidase in specific brain stem areas and cerebellum of ovariectomized rats. Chevillard C, et al. **Brain Res** 1981 Oct 5;222(1):177–81

Alteration of muscarinic binding in specific brain areas following estrogen treatment. Dohanich GP, et al. **Brain Res** 1982 Jun 10;241(2):347–50

Pinealectomy advances the time of development of steroid feedback on luteinizing hormone release in immature female rats. Faigón MR, et al. **Brain Res** 1982 Jun 10;241(2):366–9

Effect of gonadal hormones on the incorporation of [3H]lysine into proteins of human fetal brain. Hall CJ, et al. **Brain Res** 1981 Nov;254(4):557–62

Intrahypothalamic colchicine infusions disrupt lordotic responsiveness in estrogen–treated female rats. Harlan RE, et al. **Brain Res** 1982 Apr 22;238(1):153–67

Involvement of GABA in the feedback action of estradiol on gonadotropin and prolactin release: hypothalamic GABA and catecholamine turnover rates. Mansky T, et al. **Brain Res** 1982 Jan 14;231(2):353–64

Comparative effects of estrogens and prolactin on nigral and striatal GAD activity. Nicoletti F, et al. **Brain Res** 1982 Jan 28;232(1):238–41

Hypophysectomy induced hypersensitivity to dopamine: antagonism by estrogen. Perry KO, et al. **Brain Res** 1981 Dec 7;226(1–2):211–9

Application of anisomycin to the lateral ventromedial nucleus of the hypothalamus inhibits the activation of sexual behavior by estradiol and progesterone. Rainbow TC, et al. **Brain Res** 1982 Feb 11;233(2):417–23

Cycloheximide activation of the lordotic response in low–dose, estrogen–treated ovariectomized rats: evidence for modulating inhibitory influences of the limbic system on sexual behavior. Renner KJ, et al. **Brain Res** 1981 Oct 19;222(2):432–6

Estrogen–sensitive progestin binding sites in the brain of the lizard, Anolis carolinensis. Tokarz RR, et al. **Brain Res** 1981 Sep 7;220(1):95–105

Effects of ovarian steroids on serotonin metabolism within grossly dissected and microdissected brain regions of the ovariectomized rat. Cone RI, et al. **Brain Res Bull** 1981 Dec;7(6):639–44

The luteinizing hormone–releasing hormone (LHRH) system in normal and estrogenized neonatal rats. Elkind–Hirsch K, et al. **Brain Res Bull** 1981 Dec;7(6):645–54

delta 9–THC and 17–beta–estradiol in hippocampus. Foy MR, et al. **Brain Res Bull** 1982 Apr;8(4):341–5

Persistence of dihydrotestosterone inhibition of lordosis in estrogen–primed rats fed a tryptophan–deficient diet. Menniti FS, et al. **Brain Res Bull** 1981 Jul;7(1):1–4

Uterine estrogen receptor assayed by the controlled pore glass (CPG) method in adult rat after steroid administration. Imamura Y, et al. **Bull Tokyo Med Dent Univ** 1981 Sep;28(3):87–90

Differential ontogeny of estrogen responsiveness in the chick embryo liver. Elbrecht A, et al. **Can J Biochem** 1981 Aug; 59(8):606–12

Somatostatin inhibits prolactin secretion in the estradiol primed male rat. Cooper GR, et al. **Can J Physiol Pharmacol** 1981 Oct;59(10):1082–8

Effects of estradiol on intact and denervated striatal dopamine receptors and on dopamine levels: a biochemical and behavioral study. Di Paolo T, et al. **Can J Physiol Pharmacol** 1982 Mar;60(3):350–7

Metabolism of [3H]noradrenaline by the isolated rat uterus. Fernández–Pardal J, et al. **Can J Physiol Pharmacol** 1981

Dec;59(12):1245-9
Inhibition of gastric H+ secretion, K+-ATPase and K+-phosphatase by estradiol in vivo and in vitro. Limlomwongse L, et al. **Can J Physiol Pharmacol** 1982 May;60(5):680-4
Immunohistochemical detection of an estrogen-regulated protein by monoclonal antibodies. Ciocca DR, et al. **Cancer Res** 1982 Oct;42(10):4256-8
Effect of estrogen and progesterone on cellular replication of human breast tumors. Dao TL, et al. **Cancer Res** 1982 Jan;42(1):359-62
Role of estrogen and prolactin in the growth and receptor levels of N-nitrosomethylurea-induced rat mammary tumors. Manni A, et al. **Cancer Res** 1982 Sep;42(9):3492-5
Effect of estradiol on the ultrastructure of the MCF7 human breast cancer cells in culture. Vic P, et al. **Cancer Res** 1982 Feb;42(2):667-73
Site-selective growth of a hormone-responsive human breast carcinoma in athymic mice. White AC, et al. **Cancer Res** 1982 Mar;42(3):906-12
Effects of 17 beta-estradiol on progesterone receptors and the uptake of thymidine in human breast cancer cell line CAMA-1. Yu WC, et al. **Cancer Res** 1981 Dec;41(12 Pt 1):5004-9
Effects of 17 beta-estradiol on radiation transformation in vitro; inhibition of effects by protease inhibitors. Kennedy AR, et al. **Carcinogenesis** 1981;2(1):67-9
Elevated levels of ornithine decarboxylase and polyamines in the kidneys of estradiol-treated male hamsters. Nawata H, et al. **Carcinogenesis** 1981;2(11):1207-11
A somatomedin-like peptide hormone is required during the estrogen-mediated induction of ovalbumin gene transcription. Evans MI, et al. **Cell** 1981 Jul;25(1):187-93
Synaptic ribbons in pinealocytes of castrated rats and rats treated with estradiol. Ruiz-Navarro A, et al. **Cell Biol Int Rep** 1982 Jun;6(6):629-33
Control of gonadotrophin secretion by steroid hormones in castrated male transsexuals. II. Effects of androgens alone and in combination with oestradiol on the secretions of FSH and LH. Goh HH, et al. **Clin Endocrinol (Oxf)** 1981 Sep;15(3):301-12
Effects of testosterone, oestradiol and progesterone on immune regulation. Holdstock G, et al. **Clin Exp Immunol** 1982 Feb;47(2):449-56
Comparative study of the physiology of vitellogenesis in Japanese quail. Gibbins AM, et al. **Comp Biochem Physiol [A]** 1982;72(1):149-55
Time-course studies on the effects of oestradiol administration on the activity of some folate-metabolizing enzymes in chicken liver. Burns RA, et al. **Comp Biochem Physiol [B]** 1982;71(3):351-5
Estrogen induces different responses in dermal and lung fibroblasts: special reference to collagen. Hosokawa M, et al. **Connect Tissue Res** 1981;9(2):115-20
Lipoprotein patterns in women in Santo Domingo using a levonorgestrel/estradiol contraceptive ring. Robertson DN, et al. **Contraception** 1981 Oct;24(4):469-80
The effect on lipids and lipoproteins of a contraceptive vaginal ring containing levonorgestrel and estradiol. Roy S, et al. **Contraception** 1981 Oct;24(4):429-49
Steroid hormone regulation of vitellogenin gene expression. Shapiro D. **CRC Crit Revbiochem** 1982 Mar;12(3):187-203 (108 ref.)
Glucocorticoids act together with estrogens and thyroid hormones in regulating the synthesis and secretion of Xenopus vitellogenin, serum albumin, and fibrinogen. Wangh LJ. **Dev Biol** 1982 Feb;89(2):294-8
Thyroid hormones are corequisites for estradiol-17beta in vitro induction of Xenopus vitellogenin synthesis and secretion. Wangh LJ, et al. **Dev Biol** 1982 Feb;89(2):287-93
Oestrogen receptors and oestrogen-induced protein synthesis in the uterus of diabetic rats. Ekka E, et al. **Diabetologia** 1981 May;20(5):578-82
Immunoprecipitation assay of alpha-fetoprotein synthesis by cultured mouse hepatoma cells treated with estrogens and glucocorticoids. Rosebrock JA, et al. **Differentiation** 1981; 19(3):168-78
Effect of gonadectomy and steroid treatment on the receptor-binding activity and immunoreactivity of serum and pituitary FSH in the adult rats of both sexes. Minegishi T, et al. **Endocrinol Jpn** 1981 Jun;28(3):347-56
Induction of cryptic lactogenic hormone binding in livers of adult female mice treated neonatally with estradiol or nafoxidine. Alhadi T, et al. **Endocrinology** 1982 Jan; 110(1):254-9
Development of estradiol-positive feedback on luteinizing hormone release in the female rat: a quantitative study. Andrews WW, et al. **Endocrinology** 1981 Nov; 109(5):1404-13
The maturation of estradiol-negative feedback in female rats: evidence that the resetting of the hypothalamic 'gonadostat' does not precede the first preovulatory surge of gonadotropins. Andrews WW, et al. **Endocrinology** 1981 Dec;109(6):2022-31
Hormone dependency in N-nitrosomethylurea-induced rat mammary tumors. Arafah BM, et al. **Endocrinology** 1982 Aug;111(2):584-8
Effects of catecholestrogens on luteinizing hormone levels in long tem ovariectomized adult rats. Ball P, et al. **Endocrinology** 1981 Oct;109(4):1037-9
Effects of testosterone, dihydrotestosterone, or estradiol administered neonatally on sexual behavior of female ferrets. Baum MJ, et al. **Endocrinology** 1982 Sep; 111(3):773-80
Studies on the microheterogeneity of follicle-stimulating hormone present within the anterior pituitary gland of ovariectomized hamsters. Chappel SC, et al. **Endocrinology** 1982 Mar;110(3):847-54
Effects of relaxin on in vivo uterine contractions in conscious and unrestrained estrogen-treated and steroid-untreated ovariectomized rats. Cheah SH, et al. **Endocrinology** 1981 Dec;109(6):2076-83
Pituitary receptor sites for gonadotropin-releasing hormone: effect of castration and substitutive therapy with sex steroids in the male rat. Conne BS, et al. **Endocrinology** 1982 Jan;110(1):70-9
Estrogen receptor and stimulation of uterine protein synthesis in ovariectomized diabetic rats infused intravenously with 17 beta-estradiol. De Hertogh R, et al. **Endocrinology** 1982 Mar;110(3):741-8
Short term nuclear retention and early cytosol replenishment of estradiol receptors in uteri of ovariectomized diabetic rats after intraperitoneal injection of 17 beta-estradiol: evidence for decreased hormonal activity on protein synthesis. Ekka E, et al. **Endocrinology** 1982 Aug; 111(2):456-61
The endocrine basis of the synergistic suppression of luteinizing hormone by estradiol and progesterone. Goodman RL, et al. **Endocrinology** 1981 Nov;109(5):1414-7
Enhancement and desensitization of hormone-responsive adenylate cyclase in granulosa cells of preantral and antral ovarian follicles: effects of estradiol and follicle-stimulating hormone. Jonassen JA, et al. **Endocrinology** 1982 Jul; 111(1):74-9
Insulin and 17 beta-estradiol increase the intracellular prolactin content of GH4C1 cells. Kiino DR, et al. **Endocrinology** 1981 Oct;109(4):1264-9
In vitro progesterone stimulates the release of luteinizing hormone-releasing hormone from superfused hypothalamic tissue from ovariectomized estradiol-primed prepuberal rats. Kim K, et al. **Endocrinology** 1982 Sep;111(3):750-7
Effects of withdrawal of exogenous estradiol from pseudopregnant rabbits: transient nature of loss of luteal function and reversal of estradiol-induced suppression of luteinizing hormone-responsive adenylyl cyclase. Kirchick HJ, et al. **Endocrinology** 1981 Dec;109(6):2129-37
Estradiol inhibits prolactin induced alpha-lactalbumin production in normal primate mammary tissue in vitro. Kleinberg DL, et al. **Endocrinology** 1982 Jan;110(1):279-81
Acute antiprogestational action of estradiol in the rabbit uterus. Kopu HT, et al. **Endocrinology** 1981 Nov; 109(5):1479-83
Differential stimulation by 17 beta-estradiol and synthetic estrogens of progesterone-receptor and of translocation of estrogen-receptor in rat pituitary and uterus. Leibl H, et al. **Endocrinology** 1982 Jan;110(1):265-71
Relationship between estradiol, ergocryptine, and thyroid hormone: effects on prolactin synthesis and prolactin messenger ribonucleic acid levels. Maurer RA. **Endocrinology** 1982 May;110(5):1515-20
Stimulatory and inhibitory effects of estrogen and antiestrogen on uterine cell division. Mukku VR, et al. **Endocrinology** 1981 Oct;109(4):1005-10
Proliferative response of mouse seminal vesicle epithelium to androgen and estrogen, assayed by incorporation of [125I]iododeoxyuridine. Okamoto S, et al. **Endocrinology** 1982 May;110(5):1796-803
Progesterone inhibits the ability of estradiol to increase basal and luteinizing hormone-releasing hormone-induced luteinizing hormone release from bovine pituitary cells in culture: neither progesterone nor estradiol affects follicle-stimulating hormone release. Padmanabhan V, et al. **Endocrinology** 1981 Oct;109(4):1091-6
Ovarian steroids modulate the self-priming effect of luteinizing hormone-releasing hormone on bovine pituitary cells in vitro. Padmanabhan V, et al. **Endocrinology** 1982 Mar;110(3):717-21
A discontinuous schedule of estradiol treatment is sufficient to activate progesterone-facilitated feminine sexual behavior and to increase cytosol receptors for progestins in the hypothalamus of the rat. Parsons B, et al. **Endocrinology** 1982 Feb;110(2):613-9
17 beta-estradiol stimulation of uterine blood flow in oophorectomized rabbits with complete inhibition of uterine ribonucleic acid synthesis. Penney LL, et al. **Endocrinology** 1981 Nov;109(5):1672-6
Estradiol-induced luteal regression in the rhesus monkey: evidence for an extraovarian site of action. Schoonmaker JN, et al. **Endocrinology** 1982 May;110(5):1708-15
The nonresponsiveness of lactating mammary gland to estradiol. Shyamala G, et al. **Endocrinology** 1982 Apr; 110(4):1249-56
Estrogen in high doses inhibits perphenazine-induced prolactin release. Sinha YN, et al. **Endocrinology** 1982 Jan; 110(1):126-30
Modulation by dopamine and estradiol of the central effects of angiotensin II on anterior pituitary hormone release. Steele MK, et al. **Endocrinology** 1982 Sep;111(3):722-9
Effects of thyroid hormone on some uterine responses to estrogen. Steinsapir J, et al. **Endocrinology** 1982 May; 110(5):1773-9
The role of estradiol as a biological amplifier of the actions of follicle-stimulating hormone: in vitro studies in swine granulosa cells. Veldhuis JD, et al. **Endocrinology** 1982 Jul; 111(1):144-51
Facilitative interactions between estradiol and luteinizing hormone in the regulation of progesterone production by cultured swine granulosa cells: relation to cellular cholesterol metabolism. Veldhuis JD, et al. **Endocrinology** 1982 Aug;111(2):441-7
A comparison of estrogen effects on uterine and pituitary growth and prolactin synthesis in F344 and Holtzman rats. Wiklund J, et al. **Endocrinology** 1981 Nov;109(5):1700-7
On the site of action of progesterone in the blockade of the estradiol-induced gonadotropin discharge in the rhesus monkey. Wildt L, et al. **Endocrinology** 1981 Oct; 109(4):1293-4
Negative feedback control of gonadotropin secretion by chronically administered estradiol and porcine follicular fluid (gonadostatin) in ovariectomized rats. Williams AT, et al. **Endocrinology** 1981 Nov;109(5):1496-501
Biosynthesis of proteoglycans by rat granuloma cells cultured in vitro: modulation by gonadotropins, steroid hormones, prostaglandins, and a cyclic nucleotide. Yanagishita M, et al. **Endocrinology** 1981 Nov;109(5):1641-9
Estrogen and the puberty-advancing effect of hyperprolactinemia in female rats. Lung DN, et al. **Endokrinologie** 1981 Mar;77(3):286-90
Effects of testosterone and estradiol on a sex-specific rat serum protein in intact and castrated female and male rats. Schade R, et al. **Endokrinologie** 1981 Dec;78(2-3):139-48
The influence of the clock time of granulosa cells harvest from proestrus follicles, upon sensitivity to exogenous hormones. Madej E. **Endokrynol Pol** 1981 May-Jun; 32(3):265-73
Hormone dependence of rat mammary tumors induced by N- nitrosomethylurea. Rose DP, et al. **Eur J Cancer Clin Oncol** 1981 Dec;17(12):1357-8
Effect of chronic estradiol and haloperidol treatment on striatal dopamine receptors. Di Paolo T, et al. **Eur J Pharmacol** 1981 Jul 17;73(1):105-6
Methylation of chromosomal proteins and DNA of rat brain and its modulation by estradiol and calcium during aging. Thakur MK, et al. **Exp Gerontol** 1981;16(4):331-6
Prevention of estrogenic inhibition of adrenal delta 5-3 beta-hydroxysteroid dehydrogenase by alpha 2u-globulin in rats. Ghosh PK, et al. **Experientia** 1981 Jul 15;37(7):686-7
Morphological alterations of basal cells of vaginal epithelium in neonatally oestrogenized mice. Mori T, et al. **Experientia** 1982 Mar 15;38(3):389-90
Increase in pyridinoline cross-linking of mouse bone collagen induced by estrogen. Shimizu K, et al. **Experientia** 1982 Jul 15;38(7):864-6
Are prostaglandins involved in early estrogen action? Soto-Feine N, et al. **Experientia** 1981 Dec 15;37(12):1351-2
Stimulation of the incorporation of 3H-leucine into proteins by oestradiol in the foetal uterus of the guinea-pig. Sumida C, et al. **Experientia** 1981 Jul 15;37(7):782-3
Effect of administration of estrogen to pregnant rabbits on the lipid content and composition of the fetal brain. Tabatabai M. **Experientia** 1982 Jan 15;38(1):107
Dissociation of separate mechanisms of estrogen action by actinomycin D. Tchernitchin AN, et al. **Experientia** 1982 Apr 15;38(4):511-3
Influence of estrogen, progesterone and estrous cycle on gamma-glutamyltranspeptidase of rat endometrium. Tarachand U, et al. **FEBS Lett** 1982 May 17;141(2):210-2
A comparison of the effects of oestrogen and tamoxifen on the synthesis of uterine high molecular mass RNA. Waters AP, et al. **FEBS Lett** 1981 Jun 29;129(1):17-20
The luteolytic and abortifacient potential of an estrogen-bromergocryptine regimen in the baboon. Castracane VD, et al. **Fertil Steril** 1982 Feb;37(2):258-62
Effects of sex steroids on the development of 7,12-dimethylbenz[a]anthracene-induced mammary dysplasia in neonatally androgenized female rats. Yoshida H, et al. **Gan** 1981 Apr;72(2):315-7
Failure to induce incubation behavior with estradiol and prolactin and hormonal induction of brood patches in Japanese quail (Coturnix coturnix japonica). Höhn EO. **Gen Comp Endocrinol** 1981 Jul;44(3):396-9
The alteration of chromatophore expression by sex hormones in the Kenyan reed frog, Hyperolius viridiflavus. Richards CM. **Gen Comp Endocrinol** 1982 Jan;46(1):59-67
Action of estradiol on the hermaphroditism induced by testicular graft in the female chick embryo. Stoll R, et al. **Gen Comp Endocrinol** 1982 Jun;47(2):190-9
Endocytosis of yolk proteins by Xenopus laevis oócytes: kinetics of uptake of estrogen and gonadotropin-induced vitellogenins. Tucciarone LM, et al. **Gen Comp Endocrinol** 1982 May;47(1):94-8
Vitellogenin induction by estradiol in estrone-primed rainbow trout, Salmo gairdneri. Van Bohemen CG, et al. **Gen Comp Endocrinol** 1982 Jan;46(1):136-9
Moxestrol (R2858), estradiol benzoate, and sexual behavior of cynomolgus macaques (Macaca fascicularis). Glick BB, et al. **Horm Behav** 1982 Mar;16(1):59-65
Role of ovarian hormones in the long-term control of glucose homeostasis. Interaction with insulin, glucagon and epinephrine. Ahmed-Sorour H, et al. **Horm Res** 1980; 13(6):396-403
Effect of estradiol and degree of cell differentiation on human melanoma susceptibility to killing by monoclonal antibodies. Hakim AA. **Immunol Lett** 1982 Jan;4(1):59-64
Sex hormones enhance immunoglobulin synthesis by human peripheral blood lymphocytes. Weetman AP, et al.

Immunol Lett 1981 Dec;3(6):343–6

Effects of steroids on the secretion of immunoregulatory factors by thymic epithelial cell cultures. Stimson WH, et al. **Immunology** 1981 Oct;44(2):401–7

Behavior of primary and serially transplanted estrogen-dependent renal carcinoma cells in monolayer and in collagen gel culture. Talley DJ, et al. **In Vitro** 1982 Feb; 18(2):149–56

Role of trace metals in skin pigmentation under drug and hormones; part II: copper. Mondal M, et al. **Indian J Dermatol** 1981 Oct;25(4):23–7

Influence of castration, testosterone propionate, androstenedione & estradiol–17 beta on LDH & its isoenzymes of vas deferens. Balasubramanian K, et al. **Indian J Exp Biol** 1981 May;19(5):419–21

Effect of exogenous testosterone, estradiol & progesterone on oxidative & glycolytic metabolism of buffalo spermatozoa. Bhela SL, et al. **Indian J Exp Biol** 1981 Oct; 19(10):915–7

Changes in tyrosine levels of black & white skins of guinea pigs treated with psoralen & hormones. Mondal M, et al. **Indian J Exp Biol** 1981 Feb;19(2):189–90

Possible role of steroids in follicular atresia in mice. Nandedkar TD, et al. **Indian J Exp Biol** 1981 Sep;19(9):871

Synergistic action of testosterone propionate & oestradiol benzoate on male genitalia in the Indian gerbil Tatera indica indica. Sasidharan TO, et al. **Indian J Exp Biol** 1981 Oct; 19(10):973–4

Endocervical changes in the guinea pig after treatment with 17-beta-estradiol and 9, 10-dimethylbenzanthracene. Thomas JA, et al. **Indian J Med Res** 1982 Feb;75:233–44

Effect of hormonal steroids on lactate dehydrogenase activity and its isozymes in the coagulating gland of castrated male rats. Pereira BM, et al. **Int J Androl** 1981 Oct;4(5):582–9

Peroxidase activity as a marker for estrogenicity: studies in uterus and mammary tumors. Levy J, et al. **Isr J Med Sci** 1981 Sep–Oct;17(9–10):970–5

Effect of intravaginal devices and and Synovex–H implants on feedlot performance, cyclic activity and reproductive tract characteristics of beef heifers. Goodman JP, et al. **J Anim Sci** 1982 Mar;54(3):491–5

Interaction of estradiol and luteinizing hormone releasing hormone on follicle stimulating hormone release in cattle. Kesner JS, et al. **J Anim Sci** 1982 Apr;54(4):817–21

Effect of dosage and frequency of injection of luteinizing hormone releasing hormone on release of luteinizing hormone and follicle stimulating hormone in estradiol-treated steers. Kesner JS, et al. **J Anim Sci** 1982 May;54(5):1023–9

Induced corpora lutea in the postpartum beef cow. I. Comparison of gonadotropin releasing hormone and human chorionic gonadotropin and effects of progestogen and estrogen. Pratt BR, et al. **J Anim Sci** 1982 Apr;54(4):822–9

Effect of monensin on the estrogen–induced LH surge in prepuberal heifers. Randel RD, et al. **J Anim Sci** 1982 Apr; 54(4):806–10

Estrogen and progestogen binding in the myometrium of the ewe. II. Regulation by estradiol and progesterone. Rexroad CE Jr. **J Anim Sci** 1981 Oct;53(4):1070–6

Regulation of luteinizing hormone secretion in prepubertal heifers: increased threshold to negative feedback action of estradiol. Schillo KK, et al. **J Anim Sci** 1982 Feb; 54(2):325–36

Spectroscopic and kinetic properties of the estrogen–induced peroxidase in rat uterine fluid. Hosoya T, et al. **J Biochem (Tokyo)** 1981 May;89(5):1453–63

Hormonal effects on the sulfation of sulfated glycoprotein in a particulate fraction of the endometrium of rabbit uterus. Isemura M, et al. **J Biochem (Tokyo)** 1981 Jun;89(6):1815–9

Regulation of ovine follicle–stimulating hormone beta–chain mRNA by 17 beta–estradiol in vivo and in vitro. Alexander DC, et al. **J Biol Chem** 1982 Mar 10;257(5):2282–6

Purification and properties of an estrogen–stimulated hydrolase from mouse uterus. Finlay TH, et al. **J Biol Chem** 1982 Sep 25;257(18):10914–9

Intracellular glycosylation of vitellogenin in the liver of estrogen–stimulated Xenopus laevis. Gottlieb TA, et al. **J Biol Chem** 1982 Jan 10;257(1):95–103

Metabolism of collagen types I, III, and V in the estradiol–stimulated uterus. Mandell MS, et al. **J Biol Chem** 1982 May 10;257(9):5268–73

Estradiol regulates the transcription of the prolactin gene. Maurer RA. **J Biol Chem** 1982 Mar 10;257(5):2133–6

Modulation of Leydig cell androgen biosynthesis and cytochrome P–450 levels during estrogen treatment and human chorionic gonadotropin–induced desensitization. Nozu K, et al. **J Biol Chem** 1981 Oct 10;256(19):10012–7

Gonadotropin–induced receptor regulation and steroidogenic lesions in cultured Leydig cells. Induction of specific protein synthesis by chorionic gonadotropin and estradiol. Nozu K, et al. **J Biol Chem** 1981 Dec 25;256(24):12875–82

Quantitation of estrogen effect on Xenopus laevis albumin mRNA levels by hybridization to cloned albumin cDNA. Philipp BW, et al. **J Biol Chem** 1982 Jul 25; 257(14):8496–501

Hormonal responsiveness of a preadipose cell line derived from newborn mouse calvaria. Kodama HA, et al. **J Cell Physiol** 1982 Jul;112(1):83–8

Failure of indomethacin to block the estrogen–induced luteinizing hormone surge in the ovariectomized rhesus monkey. Steger RW, et al. **J Clin Endocrinol Metab** 1982 Apr;54(4):845–8

Neuronal plasticity in the deafferented hypothalamic arcuate nucleus of adult female rats and its enhancement by treatment with estrogen. Matsumoto A, et al. **J Comp Neurol** 1981 Apr 1;197(2):197–205

Cholinergic influences on estrogen–dependent sexual behavior in female rats. Clemens LG, et al. **J Comp Physiol Psychol** 1981 Oct;95(5):763–70

Induction of female and male mating patterns in female rats by gonadal steroids: effects of neonatal or adult olfactory bulbectomy. Lumia AR, et al. **J Comp Physiol Psychol** 1981 Aug;95(4):497–509

Maternal behavior of rats is affected by hormonal condition of pups. Moore CL. **J Comp Physiol Psychol** 1982 Feb; 96(1):123–9

Effect of exogenous estradiol and progesterone upon lipase activity and spontaneous lipolysis in bovine milk. Bachman KC. **J Dairy Sci** 1982 Jun;65(6):907–14

Induction of lactation: comparison of injections of estradiol–17 beta and progesterone for 7 or 21 days on prolactin response to thyrotropin releasing hormone and milk yield in dairy cattle. Head HH, et al. **J Dairy Sci** 1982 Jun;65(6):927–36

Characteristics of oestrogen–induced refractoriness in ovine cervical secretion. Adams NR. **J Endocrinol** 1981 Sep; 90(3):309–14

Lack of effect of treatment with oestrogen in advancing puberty in the guinea–pig. Caligaris L, et al. **J Endocrinol** 1982 Feb;92(2):267–71

Oestrogen induction of progestin receptors in the rat brain and pituitary gland: quantitative and kinetic aspects. Clark CR, et al. **J Endocrinol** 1982 Jun;93(3):339–53

Effects of oestradiol, hypothalamic extracts and luteinizing hormone releasing hormone on rat anterior pituitary gland gonadotrophin release in vitro before and after the preovulatory luteinizing hormone surge at pro–oestrus. Elias KA, et al. **J Endocrinol** 1981 Sep;90(3):345–54

Effect of oestrogen on gonadotrophin release in stumptailed monkeys (Macaca arctoides) treated chronically with an agonist analogue of luteinizing hormone releasing hormone. Fraser HM. **J Endocrinol** 1981 Dec;91(3):525–30

Daily variations in serotonin metabolism in the suprachiasmatic nucleus of the rat: influence of oestradiol impregnation. Héry M, et al. **J Endocrinol** 1982 Aug; 94(2):157–66

Changes in the characteristics of pulsatile luteinizing hormone secretion during the oestrous cycle and after ovariectomy and oestrogen treatment in female rats. Higuchi T, et al. **J Endocrinol** 1982 Aug;94(2):177–82

Relationships among release of prolactin, synthesis of DNA and growth of the anterior pituitary gland of the rat: effects of oestrogen and sulpiride. Jahn GA, et al. **J Endocrinol** 1982 Jul;94(1):1–10

Fetal growth inhibition and decreased thyroid activity after injection of oestradiol benzoate into pregnant rats. Kühn ER, et al. **J Endocrinol** 1982 Apr;93(1):55–63

Uterine oestrogen and progesterone receptors in the ovariectomized rat. Manni A, et al. **J Endocrinol** 1981 Nov; 91(2):281–7

Effects of progesterone, oestradiol–17 beta and androstenedione on follicular growth after removal of the corpus luteum during lactational and seasonal quiescence in the tammar wallaby. Renfree MB, et al. **J Endocrinol** 1982 Mar;92(3):397–403

Initiation of spermatogenesis and testicular growth in oestradiol–17 beta–implanted bull calves with pulsatile infusion of luteinizing hormone releasing hormone. Schanbacher BD, et al. **J Endocrinol** 1982 May; 93(2):183–92

Sex hormone regulation of in vitro immune response. Estradiol enhances human B cell maturation via inhibition of suppressor T cells in pokeweed mitogen–stimulated cultures. Paavonen T, et al. **J Exp Med** 1981 Dec 1; 154(6):1935–45

Impaired prepubertal uterine responsivity after neonatal exposure to steroid hormone esters. Campbell PS. **J Exp Zool** 1980 Dec;214(3):345–53

Development of embryonic chick oviducts in organ culture under the influence of steroid hormones. Kiell CS, et al. **J Exp Zool** 1982 May 1;220(3):387–90

Dihydrotestosterone and estradiol deplete corticosensitive thymocytes lacking in receptors for these hormones. Barr IG, et al. **J Immunol** 1982 Jun;128(6):2825–8

Effects of estradiol on norepinephrine and prostaglandin efflux in medial basal hypothalamus of ovariectomized rats. Cardinali DP, et al. **J Neural Transm** 1982;53(1):39–47

Modulation by estradiol of serotonin receptors in brain. Biegon A, et al. **J Neurosci** 1982 Feb;2(2):199–205

Hormonal control of cell form and number in the zebra finch song system. Gurney ME. **J Neurosci** 1981 Jun;1(6):658–73

Effect of estrogen implants on hepatic lipid deposition in chicks fed different isonitrogenous and isocaloric diets. Akiba Y, et al. **J Nutr** 1982 Jan;112(1):189–96

Effect of pregnant mare serum gonadotropin and estradiol on the formation of 13,14–dihydroprostaglandin F2 alpha in rat ovary. Inazu N, et al. **J Pharmacobiodyn** 1981 Jul; 4(7):541–3

Effects of chronic treatment with thyroxine and estradiol on estrogen concentration in serum and on hepatic microsomal catechol estrogen formation in female rats. Shiverick KT, et al. **J Pharmacol Exp Ther** 1982 Jun; 221(3):564–9

Myometrial activity in rats during the oestrous cycle and pseudopregnancy: interaction of oestradiol and progesterone. Downing SJ, et al. **J Physiol (Lond)** 1981 Aug;317:425–33

The regulation of progesterone receptor by 17 beta estradiol and tamoxifen in the Zr–75–1 human breast cancer cell line in defined medium. Allegra JC, et al. **J Recept Res** 1981;2(1):17–27

Dynamic studies on estrogen response in fetal guinea pig uterus: effect of estradiol administration on estradiol receptor, progesterone receptor and uterine growth. Sumida C, et al. **J Recept Res** 1980;1(3):439–57

Premature seasonal inhibition of tonic LH secretion by oestradiol in the female lamb and its consequences. Foster DL, et al. **J Reprod Fertil** 1981 Nov;63(2):289–94

In–vitro zona–lytic activity in uterine fluid from ovariectomized mice treated with oestradiol–17 beta and progesterone. Hoversland RC, et al. **J Reprod Fertil** 1982 Jan;64(1):223–6

Effect of progesterone on LH–releasing activity of the hypothalamus in non–laying hens primed with oestradiol. Kawashima M, et al. **J Reprod Fertil** 1981 Nov;63(2):567–70

Effect of uterine distension and oestrogen treatment on gap junction formation in the myometrium of the rat. Wathes DC, et al. **J Reprod Fertil** 1982 Jul;65(2):497–505

Steroid control of gonadotrophin secretion in the orchidectomized dog. Winter M, et al. **J Reprod Fertil** 1982 Mar;64(2):449–55

The effect of progestins on estrogen and progesterone receptors in the human endometrium. Natrajan PK, et al. **J Reprod Med** 1982 Apr;27(4):227–30

Sex steroid regulation of urinary excretion of carnitine in rats. Carter AL, et al. **J Steroid Biochem** 1982 Aug; 17(2):211–6

Effects of estradiol–17 alpha on nuclear occupancy of the estrogen receptor, stimulation of nuclear type II sites and uterine growth. Clark JH, et al. **J Steroid Biochem** 1982 Feb;16(2):323–8

Specific protein synthesis regulated by estrogen in human breast cancer. Edwards DP, et al. **J Steroid Biochem** 1981 Dec;15:247–59

Estradiol regulation of thymic lymphocyte function in the rat: mediation by serum thymic factors. Grossman CJ, et al. **J Steroid Biochem** 1982 May;16(5):683–90

Mechanisms of estrogen and antiestrogen action in mammary cancer. Katzenellenbogen BS, et al. **J Steroid Biochem** 1981 Dec;15:219–29

Modulation of estrogen–induced peroxidase activity in the rat uterus by thyroid hormones. Keeping HS, et al. **J Steroid Biochem** 1982 Jan;16(1):45–9

Interaction of prolactin, estrogen and progesterone in a human mammary carcinoma cell line, CAMA–1 – I Cell growth and thymidine uptake. Leung BS, et al. **J Steroid Biochem** 1981 Dec;15:421–7

Estrogen–induced synthesis and secretion of proteins in the human breast cancer cell line MCF–7. Mairesse N, et al. **J Steroid Biochem** 1981 Dec;15:375–81

Estradiol regulation of secretory component in the female reproductive tract. Sullivan DA, et al. **J Steroid Biochem** 1981 Dec;15:439–44

Regulation of estrogen action in the uterus of the guinea–pig fetus. Sumida C, et al. **J Steroid Biochem** 1981 Dec; 15:137–43

Effects of the administration of androgenic and estrogenic steroids on 3 alpha–hydroxysteroid dehydrogenase levels of the intact and castrated dog prostate. Talalay P, et al. **J Steroid Biochem** 1982 May;16(5):599–606

In vitro effects of progesterone and estradiol–17 beta on choleragen activated Xenopus oocyte adenylate cyclase. Thibier C, et al. **J Steroid Biochem** 1982 Aug;17(2):191–6

Variation of lead–induced lethality in estradiol–treated mice. Hogan GR. **J Toxicol Environ Health** 1982 Mar;9(3):353–7

Prevention by estradiol of aflatoxin–induced cytotoxicity in cultured chick embryo liver cells. Nishiyama S, et al. **J Toxicol Sci** 1981 Aug;6(3):159–68

Growth and cell survival following treatment with estramustine nor–nitrogen mustard, estradiol and testosterone of a human prostatic cancer cell line (DU 145). Hartley–Asp B, et al. **J Urol** 1982 Apr;127(4):818–22

Naltrexone partially inhibits the estrogen–induced increase in prolactin secretion and anterior pituitary weight. Ahmed HH, et al. **Life Sci** 1981 Dec 28;29(26):2757–62

Liver alcohol dehydrogenase activity in the female rat: effects of ovariectomy and estradiol administration. Mezey E, et al. **Life Sci** 1981 Sep 14;29(11):11171–4

The site of estradiol sensitization of the gonadotrope is prior to calcium mobilization. Smith DE, et al. **Life Sci** 1982 Apr 26;30(17):1495–8

Effect of estradiol benzoate and clomiphene on tyrosine hydroxylase activity and on luteinizing hormone and prolactin levels in ovariectomized rats. Tobias H, et al. **Life Sci** 1981 Aug 17;29(7):711–6

Hypercholesterolemia in rats: combined effect of high cholesterol diet and female sex steroids. Fischer GM, et al. **Lipids** 1982 Mar;17(3):172–5

A study of the mechanism of estrogen as an antiatherosclerotic: the inhibitory effect of estrogen on A23187–induced contraction of the aortic wall. Kishi Y, et al. **Mech Ageing Dev** 1982 Feb;18(2):115–23

Biphasic effect of estradiol on luteinizing hormone response to gonadotropin–releasing hormone in castrated men. Barbarino A, et al. **Metabolism** 1982 Aug;31(8):755–8

Use of estrogen–treated rats as a bioassay for evaluating

catabolism of very low density lipoproteins. Verschoor L, et al. **Metabolism** 1982 Jul;31(7):699–700

Influence of estradiol on the total uptake and incorporation of thymidine in human breast cancer (MCF–7) in long–term cell culture. Comparison of autoradiographic and biochemical methods. Coosen R, et al.
Mol Cell Biochem 1982 Feb 19;42(3):155–60

Prolactin synthesis in primary cultures of pituitary cells: regulation by estradiol. Lieberman ME, et al.
Mol Cell Endocrinol 1982 Mar;25(3):277–94

The effect of estrogens on erythroid stem cells in polycythemic mice. Pololi–Anagnostou L, et al.
Mol Cell Endocrinol 1981 Oct;24(1):73–84

Comparison of steroid and LH–RH effects on the responsiveness of hemipituitary glands and dispersed pituitary cells. Speight A, et al. **Mol Cell Endocrinol** 1981 Dec;24(3):267–81

Regulation of myometrial adrenoreceptors and adrenergic response by sex steroids. Roberts JM, et al.
Mol Pharmacol 1981 Jul;20(1):52–8

Oestradiol, sexual receptivity and cytosol progestin receptors in rat hypothalamus. Parsons B, et al. **Nature** 1981 Jul 2; 292(5818):58–9

Dissociation of the effects of gonadal steroids on brain serotonin metabolism and sexual behavior in the male rat. Bradshaw WG, et al. **Neuroendocrinology** 1982 Jan; 34(1):38–45

Effects of ovarian hormones on norepinephrine and dopamine turnover in individual hypothalamic and extrahypothalamic nuclei. Crowley WR. **Neuroendocrinology** 1982 Jun; 34(6):381–6

Estrogenic feminization of the LH response to orchidectomy in the rat: evidence for a hypothalamic site of action. DePaolo LV, et al. **Neuroendocrinology** 1982 Feb; 34(2):104–11

Differential effects of low serum levels of estradiol–17 beta on hypothalamic LHRH levels and LH secretion in castrated male rats. Kalra PS, et al. **Neuroendocrinology** 1981 Dec;33(6):340–6

Characterization of estrogen stimuli sufficient to initiate cyclic luteinizing hormone release in acutely ovariectomized rats. Krey LC, et al.
Neuroendocrinology 1982;34(5):315–22

Steroid receptor levels in intact and ovariectomized estrogen–treated rats: an examination of quantitative, temporal and endocrine factors influencing the efficacy of an estradiol stimulus. McGinnis MY, et al.
Neuroendocrinology 1981 Sep;33(3):158–65

Temporal and other effects of catechol estrogens on prolactin secretion in the rat. Shin SH, et al. **Neuroendocrinology** 1981 Dec;33(6):352–7

Effects of sex steroid hormones on rat anterior pituitary LH–RH receptor. Taga M, et al.
Nippon Sanka Fujinka Gakkai Zasshi 1982 May; 34(5):627–33

Estrogen induces tissue specific changes in the chromatin conformation of the vitellogenin genes in Xenopus. Gerber–Huber S, et al. **Nucleic Acids Res** 1981 Jun 11; 9(11):2475–94

Lack of effect of dietary fat on the growth and estrogen sensitivity of the MT–W9B transplantable mammary tumor. Ip MM, et al. **Nutr Cancer** 1981;3(1):27–34

Effect of estrogens and progesterone on gonadotropin and prolactin release in a patient with androgen insensitivity. Nicoletti I, et al. **Obstet Gynecol** 1981 Oct;58(4):527–32

Effects of estrogen on fetal rabbit lung maturation: morphological and biochemical studies. Khosla SS, et al. **Pediatr Res** 1981 Sep;15(9):1274–81

In vitro LHRH release: correlation with the LH surge and alteration by a mammary carcinogen. Kerdelhue B, et al. **Peptides (Fayetteville)** 1981 Summer;2(2):219–22

Estrogen and the subcellular distribution of luteinizing hormone releasing hormone: rate sedimentation studies. Tytell M, et al. **Peptides (Fayetteville)** 1980 Winter; 1(4):301–7

Modulation of food intake by hypothalamic implants of estradiol benzoate, estrone, estriol and CI–628 in female rats. Donohoe TP, et al. **Pharmacol Biochem Behav** 1982 Jan;16(1):93–9

Dihydrotestosterone–induced inhibition of lordosis in estrogen–primed ovariectomized rats following 6–hydroxydopamine or electrolytic septal lesions. Menniti FS, et al. **Pharmacol Biochem Behav** 1982 Feb;16(2):211–6

Influence of estrogen and progesterone on behavioral effects of apomorphine and amphetamine. Michanek A, et al.
Pharmacol Biochem Behav 1982 Jun;16(6):875–9

Hormonal control of the development of sexual behavior in androgen–insensitive (tfm) rats. Olsen KL, et al.
Physiol Behav 1981 Nov;27(5):883–6

Polyphenol oxidase activity in the rat hypothalamus: stimulation after oestrogens and inhibition after the administration of silver. Pribyl T, et al.
Physiol Bohemoslov 1981;30(6):525–30

A comparison of diethylstilbestrol– and estradiol–17 beta–induced vitellogenesis in quail. Gibbins AM, et al. **Poult Sci** 1982 Jun;61(6):1188–93

Proteins associated with poly(A)+RNA of cockerel liver: effects of estradiol stimulation. Johnson TR, et al.
Proc Natl Acad Sci USA 1982 Jul;79(13):4088–92

Molecular regulation of receptors: interaction of beta–estradiol and progesterone with the muscarinic system. Sokolovsky M, et al. **Proc Natl Acad Sci USA** 1981 Sep;78(9):5554–8

The luteotrophic effects of estradiol and prolactin in the absence of LH in the hysterectomized, pseudopregnant rat. Garris DR. **Proc Soc Exp Biol Med** 1982 Jun;170(2):203–8

beta–Adrenergic suppression of progesterone–induced luteinizing hormone surge in ovariectomized, estrogen–primed rats. Leung PC, et al.
Proc Soc Exp Biol Med 1982 Feb;169(2):161–4

Uterine serotonin and receptor blockade during estrogen–induced uterine hyperemia. Van Orden DE, et al. **Proc Soc Exp Biol Med** 1981 Sep;167(4):469–74

The relationship between the concentration of female sex steroids and prostaglandins production by human gingiva in vitro. ElAttar TM, et al.
Prostaglandins Leukotrienes Med 1982 May;8(5):447–58

Regulation of prostacyclin and thromboxane production by human umbilical vessels: the effect of estradiol and progesterone in a superfusion model. Mäkilä UM, et al.
Prostaglandins Leukotrienes Med 1982 Feb;8(2):115–24

Gonadal hormones induce dendritic growth in the adult avian brain. DeVoogd T, et al. **Science** 1981 Oct 9; 214(4517):202–4

Hormone mediated changes in monoamine stores and regulation of enzymes of biosynthesis and metabolism in the rat adrenal gland. Influence of progesterone, estradiol, ACTH and testosterone administration. Bukhari AR, et al.
Steroids 1981 Jul;38(1):1–10

Absence of effect of exogenous estradiol on alcohol consumption in women. Little RE, et al.
Subst Alcohol Actions Misuse 1980;1(5–6):551–6

Interaction between thymosin, testosterone and estradiol on natural killer cell activity in mice. Deschaux P, et al.
Tohoku J Exp Med 1982 Apr;136(4):367–72

Hormonal effects on the sulfation of sulfated glycoconjugates in the uterine endometrium of non–ovariectomized rabbit. Munakata H, et al. **Tohoku J Exp Med** 1981 Nov; 135(3):275–9

Effect of estrogen on cell proliferation in colonic mucosa of the mouse. Hoff MB, et al.
Virchows Arch [Cell Pathol] 1981;35(3):263–73

Sex differences in adrenocortical structure and function. IX. Stereologic studies on the effects of gonadectomy and testosterone or estradiol replacement on adrenal cortex of adult male and female hamsters. Malendowicz LK, et al.
Z Mikrosk Anat Forsch 1982;96(1):91–102

Hormonal induction of lactation in non–pregnant Awassi ewes. III. Histology of mammary gland and milk production. Mohi Aldeen KA, et al.
Zentralbl Veterinarmed [A] 1981;28(4):305–11

[Oestrogen–induced proteins in breast cancer (author's transl)] Vignon F, et al. **Ann Endocrinol (Paris)** 1981 Oct–Nov;42(4–5):327–32 (Eng. Abstr.) **(Fre)**

[Female sex behavior of male rats castrated at birth and given female sex hormones: effects of hour of castration] Corbier P, et al. **C R Seances Acad Sci [III]** 1981 Nov 23; 293(11):649–54 (Eng. Abstr.) **(Fre)**

[Estradiol and cell division: evidence for an indirect effect] Laugier C, et al. **C R Seances Acad Sci [III]** 1982 Jan 4; 294(1):31–4 (Eng. Abstr.) **(Fre)**

[Hormonal dependency of experimental mammary tumors induced by an estro–progestational combination] Hannouche N, et al. **C R Soc Biol (Paris)** 1981;175(6):744–8 (Eng. Abstr.) **(Fre)**

[The control of prolactin surge by ovarian steroids in the early phase of pseudopregnancy in rats (author's transl)] Kishi K, et al. **Nippon Naibunpi Gakkai Zasshi** 1981 May 20;57(5):762–71 (Eng. Abstr.) **(Jpn)**

[Changes of hypothalamic LH–RH content induced by estradiol injection into female rats (author's transl)] Saito A. **Nippon Sanka Fujinka Gakkai Zasshi** 1981 Aug; 33(8):1227–34 (Eng. Abstr.) **(Jpn)**

[Changes in the nucleic acid content of rat embryos incubated in vitro as affected by 17–beta–estradiol] Dmitrieva LV, et al. **Akush Ginekol (Mosk)** 1981 Nov;(11):54–5 **(Rus)**

[Effect of epidermal chalone on vaginal epithelial cell proliferation stimulated by estradiol] Ketlinskiĭ SA, et al. **Arkh Anat Gistol Embriol** 1981 Jul;81(7):64–71 (Eng. Abstr.) **(Rus)**

[Molecular mechanisms of the control of ceruloplasmin synthesis by estradiol] Voronina OV, et al.
Mol Biol (Mosk) 1981 Jan–Feb;15(1):199–207 (Eng. Abstr.) **(Rus)**

[Estrogens as modulators of dopamine activity in the regulation of the gonadotropic function of the pituitary gland] Adamskaia EI, et al. **Probl Endokrinol (Mosk)** 1981 Sep–Oct;27(5):49–53 (Eng. Abstr.) **(Rus)**

[Estrogen–dependent changes in DNA synthesis in the rat adenohypophyseal cells] Komolov IS, et al.
Probl Endokrinol (Mosk) 1981 May–Jun;27(3):56–61 (Eng. Abstr.) **(Rus)**

[Comparative study of the estrogenic activity of modified estrogens based on data of competitive binding analysis and biological assay] Pokrovskaia EV, et al.
Probl Endokrinol (Mosk) 1981;27(6):66–70 (Eng. Abstr.) **(Rus)**

[Weight modification of rat male accesory sexual glands by castration and treatment with oestrogens, melatonine and cyproterone. (author's transl)] Benett JV, et al.
Arch Farmacol Toxicol 1980 Dec;6(3):277–86 (Eng. Abstr.) **(Spa)**

[Ureteral response, through adrenergic stimulation, to the action of progesterone and estradiol] García Sacristán A, et al. **Arch Farmacol Toxicol** 1981 Apr;7(1):129–32 **(Spa)**

[Action of silymarin on the fatty acid composition of the hepatic lipids of estrogenized chickens] Sánchez García JA, et al. **Arch Farmacol Toxicol** 1981 Apr;7(1):143–50 **(Spa)**

PHYSIOLOGY

Brain isocitrate dehydrogenase an its regulation by estradiol in female rats of various ages. Yadav RN.
Biochem Med 1981 Oct;26(2):258–63

Hormonal and physiological responses to exercise in relation to the menstrual cycle. Jurkowski JE.
Can J Appl Sport Sci 1982 Jun;7(2):85–9

Variant T47D human breast cancer cells with high progesterone–receptor levels despite estrogen and antiestrogen resistance. Horwitz KB, et al. **Cell** 1982 Mar; 28(3):633–42

Feedback control of luteinizing hormone and follicle–stimulating hormone secretion by testosterone and estradiol in men: physiological and clinical implications. Santen RJ. **Clin Biochem** 1981 Oct;14(5):243–51 (18 ref.)

The influence of exogenous oestradiol benzoate on the pituitary responsiveness to LHRH during the puerperium in women. Vemer HM, et al. **Clin Endocrinol (Oxf)** 1982 Mar;16(3):251–8

Estrone and estradiol participation during exogenous vitellogenesis in the female rainbow trout, Salmo gairdneri. van Bohemen CG, et al. **Gen Comp Endocrinol** 1982 Jan; 46(1):81–92

Hormonal control of cell death in the luminal epithelium of the mouse uterus. Finn CA, et al. **J Endocrinol** 1981 Nov;91(2):335–40

Ontogeny of the sensitizing effect of oestradiol and luteinizing hormone releasing hormone on the anterior pituitary gland of the female rat. Meidan R, et al. **J Endocrinol** 1981 Nov; 91(2):347–51

Estrogen modulates neural control of muscle glucose 6–phosphate dehydrogenase. Schaerf FW, et al.
J Neurochem 1982 Jun;38(6):1765–7

Endocrinological study of testicular descent in the rabbit. Rajfer J. **J Surg Res** 1982 Aug;33(2):158–63

Prepubertal ontogeny of responsiveness to estradiol in female rat central nervous system. Dudley SD.
Neurosci Biobehav Rev 1981 Winter;5(4):421–35 (238 ref.)

Responsiveness to estradiol in central nervous system of aging female rats. Dudley SD. **Neurosci Biobehav Rev** 1982 Spring;6(1):39–45 (64 ref.)

Effects of ovarian steroids on luteal function: prevention of luteolysis following LH–neutralization in the pseudopregnant rat. Garris DR, et al.
Proc Soc Exp Biol Med 1982 Jul;170(3):313–20

[Participation of estradiol and progesterone in the mechanisms of animal body weight regulation] Eroshenko TM. **Probl Endokrinol (Mosk)** 1982 Jan–Feb;28(1):82–8 **(Rus)**

[Regulation of testicular function by estradiol. I. Standard of development and variations in the post–cryptorchism estradiol receptor] Estrada A, et al. **Acta Cient Venez** 1980; 31(3):287–90 (Eng. Abstr.) **(Spa)**

SECRETION

Ovarian venous outflow, progesterone and 17 beta–oestradiol secretion and peripheral blood level during pregnancy in the rat. Varga B, et al. **Acta Physiol Acad Sci Hung** 1981; 58(2):141–6

The effect of gonadotropin–releasing hormone on ovarian estradiol secretion. Kletzky OA, et al.
Am J Obstet Gynecol 1982 Feb 15;142(4):427–31

Prolactin directly inhibits basal as well as gonadotropin–stimulated secretion of progesterone and 17 beta–estradiol in the human ovary. Demura R, et al.
J Clin Endocrinol Metab 1982 Jun;54(6):1246–50

The late pubertal cascade in perimenarchial monkeys: onset of asymmetrical ovarian estradiol secretion and bioassayable luteinizing hormone release. Williams RF, et al. **J Clin Endocrinol Metab** 1982 Oct;55(4):660–5

[Hormone activity of various Brenner tumors] Jaluvka V, et al. **Gynakol Rundsch** 1982;22(1):1–22 (106 ref.) **(Ger)**

[Influence of oocytes upon proliferation, differentiation and steroidogenesis of cultured granulosa cells (author's transl)] Moriya S. **Hokkaido Igaku Zasshi** 1982 Jan;57(1):61–9 (Eng. Abstr.) **(Jpn)**

[Steroid secretion from ovaries with delayed ovulation in rats (author's transl)] Sawada T. **Jikken Dobutsu** 1982 Jan; 31(1):7–11 (Eng. Abstr.) **(Jpn)**

THERAPEUTIC USE

Inhibition by 17 beta–estradiol of the growth of the rat pituitary transplantable tumor MtF4. Morel Y, et al.
Cancer Res 1982 Apr;42(4):1492–7

Bromocriptine and oestrogen modulation of gonadotrophin release in normo– and hyperprolactinaemic patients with amenorrhoea. Djursing J, et al. **Clin Endocrinol (Oxf)** 1981 Aug;15(2):125–32

Treatment of post menopausal osteoporosis. A controlled therapeutic trial comparing oestrogen/gestagen, 1,25–dihydroxy–vitamin D3 and calcium. Jensen GF, et al. **Clin Endocrinol (Oxf)** 1982 May;16(5):515–24

Calcium balance in osteoporotic patients on long–term oral calcium therapy with and without sex hormones. Thalassinos NC, et al. **Clin Sci** 1982 Feb;62(2):221–6

Trisequens. **Drug Ther Bull** 1981 Jul 31;19(16):63–4

Hormone dependency and histological types of prostatic carcinoma. Schubert GF, et al. **Int Urol Nephrol** 1981; 13(3):271–4

A comparative study of the estrogenic effects of tamoxifen and 17 beta–estradiol in postmenopausal women. Helgason S, et al. **J Clin Endocrinol Metab** 1982 Feb;54(2):404–8

The modulating role of obesity and 17 beta–estradiol (E2) on bound and unbound E2 and adrenal androgens in oophorectomized women. Lobo RA, et al. **J Clin Endocrinol Metab** 1982 Feb;54(2):320–4

Effect of high–dose oestrogen administration on the growth and prolactin receptor content of N–nitrosomethylurea–induced mammary tumours in the rat. Manni A, et al. **J Endocrinol** 1982 Apr;93(1):11–6

Differential effects of exogenous oestradiol and progesterone on mood in post–menopausal women: individual dose/effect relationship. de Lignières B, et al. **Maturitas** 1982 Apr;4(1):67–72

Physiologic estradiol replacement following oophorectomy: failure to maintain precastration gonadotropin levels. Simon JA, et al. **Obstet Gynecol** 1982 Apr;59(4):511–3

[The effect of induction of labor with endocervical balloon catheter with or without estradiol therapy] Pedersen S, et al. **Ugeskr Laeger** 1981 Dec 7;143(50):3379–81 (Eng. Abstr.) **(Dan)**

[Modification of embryonal mortality in swine by the administration of sexual agents in early pregnancy] Elze K, et al. **Arch Exp Veterinarmed** 1981;35(6):937–44 (Eng. Abstr.) **(Ger)**

URINE

Urinary free and conjugated oestrone and oestradiol–17 beta in early infancy. Kuhnle U, et al. **Acta Endocrinol (Copenh)** 1982 May;100(1):150–3

[Various indicators of hormonal activity in pregnant women with cervix incompetence] Krauze M, et al. **Ginekol Pol** 1981 Aug;52(8):693–8 (Eng. Abstr.) **(Pol)**

ESTRADIOL ANTAGONISTS

Indomethacin inhibits the estrogen–induced DNA synthesis in the rat anterior pituitary gland. Pawlikowski M, et al. **Biochem Biophys Res Commun** 1981 Aug 14;101(3):1052–6

PHARMACODYNAMICS

Progesterone antagonizes the effects of estradiol in the fetal uterus of guinea pig. Sumida C, et al. **J Recept Res** 1981; 2(3):221–32

ESTRADIOL BENZOATE see **ESTRADIOL**

ESTRADIOL BINDING GLOBULIN see **SEX HORMONE BINDING GLOBULIN**

ESTRADIOL DEHYDROGENASES see under **17–HYDROXYSTEROID DEHYDROGENASES**

ESTRAMUSTINE see under **NITROGEN MUSTARD COMPOUNDS**

ESTRANES

URINE

Capillary column gas chromatographic mass spectrometric analysis of anabolic steroid residues using splitless injections made at elevated temperatures. Houghton E, et al. **Biomed Mass Spectrom** 1981 Aug;8(8):358–61

ESTRENES

ADMINISTRATION & DOSAGE

Bromocryptin and epimestrol in MAP–negative secondary amenorrheas. Polatti F. **Clin Exp Obstet Gynecol** 1981; 8(4):164–6

Ovarian activity and hormonal patterns in gilts fed allyl trenbolone. Redmer DA, et al. **J Anim Sci** 1981 Oct; 53(4):1088–94

The therapeutic effect of concurrent administration of 5–fluorouracil and allylestrenol or hexestrol in small doses on prostatic carcinoma. Takeuchi H. **Prostate** 1981;Suppl 1:111–7

[Use of turinal in the combined treatment of threatened abortion and its effect on placental hormone function] Kosheleva NG, et al. **Akush Ginekol (Mosk)** 1981 May; (5):23–5 (Eng. Abstr.) **(Rus)**

ADVERSE EFFECTS

[The incidence of congenital abnormalities following gestagen administration in early pregnancy (author's transl)] Schneider WH, et al. **Wien Klin Wochenschr** 1981 Dec 11;93(23):711–2 (Eng. Abstr.) **(Ger)**

CHEMICAL SYNTHESIS

Synthesis and evaluation of 10 beta–substituted 4–estrene–3, 17–diones as inhibitors of human placental microsomal aromatase. Marcotte PA, et al. **Steroids** 1982 Mar; 39(3):325–44

METABOLISM

Temporal and quantitative correlations between nuclear androgen binding and stimulation of rna polymerase II activity in Sertoli cells. Lamb DJ, et al. **Endocr Res Commun** 1981;8(4):263–72

Binding of methyltrienolone to glucocorticoid receptors in rat muscle cytosol. Ho–Kim MA, et al. **Endocrinology** 1981 Nov;109(5):1418–23

Differences in proteins synthesized by fibroblasts from normal individuals and patients with complete testicular feminization. Risbridger GP, et al. **J Clin Invest** 1982 Jan; 69(1):99–103

Comparison of methyltrienolone and dihydrotestosterone binding and metabolism in human genital skin fibroblasts. Brown TR, et al. **J Steroid Biochem** 1981 Oct; 14(10):1013–22

Doisynolic acids: potent estrogens with very low affinity for estrogen receptors. Meyers CY, et al. **Res Commun Chem Pathol Pharmacol** 1982 Jan;35(1):165–8

Binding of dihydrotestosterone, R 1881 and R 5020 in cytosols from normal, benign hypertrophic and cancerous human prostates. Nozumi K, et al. **Urol Int** 1981; 36(2):79–87

Differences in the biotransformation of a 17 beta–hydroxylated steroid, trenbolone acetate, in rat and cow. Pottier J, et al. **Xenobiotica** 1981 Jul;11(7):489–500

PHARMACODYNAMICS

Effect of trienbolone acetate on the rate of myofibrillar protein breakdown in young adrenalectomized male rate treated with corticosterone. Santidrián S, et al. **Arch Farmacol Toxicol** 1981 Dec;7(3):333–40

The time–dependent inactivation of aromatase by 17beta–hydroxy–10–methylthioestra–1,4–dien–3–one. Flynn GA, et al. **Biochem Biophys Res Commun** 1981 Dec 15;103(3):913–8

Design of mechanism–based inactivators of human placental aromatase. Marcotte PA, et al. **Cancer Res** 1982 Aug;42(8 Suppl):3322s–3326s

On the primary site of action of estrogens and androgens in the regulation of hepatic prolactin receptors. Norstedt G, et al. **Endocrinology** 1982 Aug;111(2):645–9

Effect of bolandiol dipropionate (anabiol), an anabolic hormone, on diethylnitrosamine–induced hepatocarcinogenesis in rat. Mochizuki Y, et al. **Gan** 1981 Dec;72(6):969–73

Inactivation of delta5–3–ketosteroid isomerase(s) from beef adrenal cortex by beta, gamma–acetylenic ketosteroids. Penning TM. **Steroids** 1982 Mar;39(3):301–11

Effects of trienbolone acetate on the growth of tropical cattle and goats. Ranaweera KN, et al. **Trop Anim Health Prod** 1982 Feb;14(1):44

THERAPEUTIC USE

Effects of natural estrogen/gestagen and thiazide on coronary risk factors in normal postmenopausal women. A 2–year double–blind placebo study. Christiansen C, et al. **Acta Obstet Gynecol Scand** 1981;60(4):407–12

[Treatment of female endocrine sterility with epimestrol] Paoletti AM, et al. **Minerva Ginecol** 1981 Jun;33(6):520–7 **(Ita)**

[Use of turinal in the treatment of habitual abortion] Alimova Khk. **Akush Ginekol (Mosk)** 1982 Jan;(1):55–6 **(Rus)**

ESTRENOLONE see **NANDROLONE**

ESTRIOL

ADMINISTRATION & DOSAGE

Bioavailability of oestradiol and oestriol administered orally to oophorectomized women. Fink BJ, et al. **Maturitas** 1981 Dec;3(3–4):289–94

Continuous treatment with natural oestrogens and progestogens. A method to avoid endometrial stimulation. Staland B. **Maturitas** 1981 Aug;3(2):145–56

Clinical, cytological and biological study of the intra–vaginal administration of oestriol (Ortho–Gynest) in post–menopausal patients. Wesel S, et al. **Maturitas** 1981 Dec;3(3–4):271–7

ANALOGS & DERIVATIVES

Simultaneous perfusion of [4–14C]oestriol and [6,9–3H2]oestriol 16 alpha–monoglucuronide through the isolated rat liver. II. Kinetic aspects. Höller M, et al. **Acta Endocrinol (Copenh)** 1982 Jun;100(2):274–8

Simultaneous perfusion of [4–14C]oestriol and [6,9–3H2]oestriol 16 alpha–monoglucuronide through the isolated rat liver. I. Qualitative aspects. Höller M, et al. **Acta Endocrinol (Copenh)** 1982 May;100(1):57–62

Monitoring induction of ovulation by rapid radioimmunoassays of oestrogen and pregnanediol glucuronides. MacLean AR, et al. **Ann Clin Biochem** 1981 Nov;18(Pt 6):343–9

Ultrasound evaluation of estrogen monitoring for induction of ovulation with menotropins. Haning RV Jr, et al. **Fertil Steril** 1982 May;37(5):627–32

On the occurrence and transport of estriol–3–sulfate in human breast cyst fluid: the metabolic disposition of blood estriol–3–sulfate in normal women. Raju U, et al. **J Clin Endocrinol Metab** 1981 Oct;53(4):847–51

Value of estetrol determinations in the management of intrauterine growth retardation. Comparison with free estriol. Künzig HJ, et al. **J Perinat Med** 1981;9(6):302–10

The measurement of urinary estriol–16 alpha–glucuronide by a solid–phase chemiluminescence immunoassay. Barnard G, et al. **J Steroid Biochem** 1981 Sep;14(9):941–8

Ovulation prediction: changes in the concentrations of urinary estrone–3–glucuronide, estradiol–17 beta–glucuronide and estriol–16 alpha–glucuronide during conceptional cycles. Branch CM, et al. **J Steroid Biochem** 1982 Feb;16(2):345–7

Preparation and antigenic properties of estriol 16–glucuronide– and estradiol 17–glucuronide–[C–6]–bovine serum albumin conjugates. Nambara T, et al. **J Steroid Biochem** 1982 Apr;16(4):533–8

The efficiency of different coupling procedures for the linkage of oestriol–16 alpha–glucuronide, oestrone–3–glucuronide and pregnanediol–3 alpha–glucuronide to four different enzymes. Rajkowski KM, et al. **J Steroid Biochem** 1981 Sep;14(9):861–6

Effect of oestriol succinate on serum lipids. Saarikoski S, et al. **Maturitas** 1981 Dec;3(3–4):235–9

[Estetrol determination in the serum after i.v. application of dehydroepiandrosterone sulfate in late pregnancy] Schollberg K, et al. **Acta Univ Palacki Olomuc Fac Med** 1981;101:22–7 **(Ger)**

[Comparison of two methods for the determination of oestrogens in pregnancy urine (author's transl)] Musch K, et al. **Z Geburtshilfe Perinatol** 1981 Oct;185(5):284–7 (Eng. Abstr.) **(Ger)**

[Psychometric aspects of estrogen therapy in climacteric woman (study of 122 women after menopause] Wenderlein JM. **Z Klin Psychol Psychother** 1981;29(3):263–7 **(Ger)**

[Monitoring of HPL, estriol and estetrol in high–risk pregnancy] Gherzi R, et al. **Minerva Ginecol** 1981 Oct; 33(10):911–6 (Eng. Abstr.) **(Ita)**

[The concentration of serum unconjugated estradiol, estriol and estetrol in pregnant women, and the significance of these hormones in pregnancy (author's transl)] Muraguchi K, et al. **Nippon Naibunpi Gakkai Zasshi** 1981 Jul 20; 57(7):974–82 (Eng. Abstr.) **(Jpn)**

[Dynamics of estriol–16–glucosiduronate (E3–16–G) in early pregnancy — its prognostic value in complicated pregnancy (author's transl)] Omori K. **Nippon Naibunpi Gakkai Zasshi** 1982 May 20;58(5):689–705 (Eng. Abstr.) **(Jpn)**

[Amniotic fluid cortisol, tetrahydrocortisone, estriol and estetrol in normal and high risk pregnancy (author's transl)] Izumi M. **Nippon Sanka Fujinka Gakkai Zasshi** 1981 Aug; 33(8):1245–54 (Eng. Abstr.) **(Jpn)**

ANALYSIS

Relation of estriol in saliva to serum estriol during normal pregnancy. Fischer–Rasmussen W, et al. **Acta Obstet Gynecol Scand** 1981;60(4):417–20

The changing estrogen content of the nuclear fraction of human myometrium during labor. Ko HH, et al. **Steroids** 1981 Aug;38(2):175–84

BIOSYNTHESIS

[Placental sulphatase deficiency and ichthyosis] Lykkesfeldt G, et al. **Ugeskr Laeger** 1981 Aug 31;143(36):2291–3 **(Dan)**

[Placental sulphatase deficiency] Lykkesfeldt G, et al. **Ugeskr Laeger** 1981 Aug 31;143(36):2288–90 (25 ref.) (Eng. Abstr.) **(Dan)**

BLOOD

Sex steroids in bilharzial liver affection. 1. estrogens. Rizk AM, et al. **Acta Biol Med Ger** 1980;39(8–9):991–3

Bioavailability of oestriol. Englund DE, et al. **Acta Endocrinol (Copenh)** 1982 Jan;99(1):136–40

Late third trimester unconjugated serum oestriol levels in normal and hypertensive pregnancy: relation to birth weight. Hardy MJ, et al. **Br J Obstet Gynaecol** 1981 Oct; 88(10):976–82

Plasma estrogens in the assessment of fetoplacental function. Kulkarni BD, et al. **Clin Biochem** 1981 Jun;14(3):108–12

Total estriol in serum and plasma as determined by radioimmunoassay. Brooks CT, et al. **Clin Chem** 1982 Mar; 28(3):499–502

Betamethasone administration to the mother and problems in foeto–placental monitoring. Rondinelli M, et al. **Clin Exp Obstet Gynecol** 1981;8(4):178–81

Effect of ampicillin or amoxycillin administration on plasma and urinary estrogen levels during normal pregnancy. Van Look PF, et al. **Eur J Obstet Gynaecol Reprod Biol** 1981 Oct;12(4):225–33

Comparison between serum levels of oestriol in venous and capillary blood from pregnant women. Axelsson O, et al. **Gynecol Obstet Invest** 1982;13(3):135–41

Plasma hormone assay in pregnancy. Branconi F, et al. **Int J Biol Res Pregnancy** 1981;2(3):146–8

Plasma concentrations of oestrone, oestradiol, oestriol and progesterone during mechanical stretch–induced abortion at mid–trimester. Manabe Y, et al. **J Endocrinol** 1981 Dec; 91(3):385–9

Paired measurements of total and unconjugated estriol in maternal plasma during the 2nd and 3rd trimester of pregnancy – their relationship to intrauterine growth retardation. Bacigalupo G, et al. **J Perinat Med** 1982;

10(2):73–84

Effect of dextran–coated charcoal on radioimmunoassays of unconjugated estriol in serum. Jawad MJ, et al. **J Steroid Biochem** 1982 Jun;16(6):797–800

Conjugated and unconjugated oestrogens in men with hyperoestrogenism and in normal men: the day–to–day variation and the relationship between the different oestrogens. Myking OL, et al. **J Steroid Biochem** 1981 Sep; 14(9):935–40

Serum concentrations of oestrone, oestradiol and oestriol during various oestrogen treatments. Rauramo L, et al. **Maturitas** 1981 Aug;3(2):183–6

[Clinical application of plasma–free estriol radioimmunoassay (author's transl)] Peng XY. **Chung Hua Fu Chan Ko Tsa Chih** 1982 Jan;17(1):35–8 **(Chi)**

[The monitoring of risk pregnancies by E3 and HPL] Bieglmayer C, et al. **Acta Univ Palacki Olomuc Fac Med** 1981;101:38–42 **(Ger)**

[Monitoring total blood estriol in normal and pathological pregnancy. Clinico–statistical study] Furbatto G, et al. **Minerva Ginecol** 1981 Jul–Aug;33(7–8):653–8 (Eng. Abstr.) **(Ita)**

[Monitoring of HPL, estriol and estetrol in high–risk pregnancy] Gherzi R, et al. **Minerva Ginecol** 1981 Oct; 33(10):911–6 (Eng. Abstr.) **(Ita)**

[Changes of dehydroepiandrosterone (DHA), 16 alpha OH–DHA and estriol levels in maternal peripheral blood during late pregnancy and labor––measured by gas chromatography–mass spectrometry with application of deuterated steroids as internal standards (author's transl)] Kozaki T, et al. **Acta Obstet Gynaecol Jpn** 1981 Jul; 33(7):935–44 (Eng. Abstr.) **(Jpn)**

[Clinical application of 6059–S in the field of obstetrics and gynecology. Effects on gynecological infection and infection of trimester of pregnancy (author's transl)] Hogaki M, et al. **Jpn J Antibiot** 1981 Apr;34(4):618–22 (Eng. Abstr.) **(Jpn)**

[The concentration of serum unconjugated estradiol, estriol and estetrol in pregnant women, and the significance of these hormones in pregnancy (author's transl)] Muraguchi K, et al. **Nippon Naibunpi Gakkai Zasshi** 1981 Jul 20; 57(7):974–82 (Eng. Abstr.) **(Jpn)**

[A study on the relation among oxytocin challenge test, maternal serum estriol level and placental change (author's transl)] Sawazumi K, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1982 May; 34(5):589–93 (Eng. Abstr.) **(Jpn)**

[Prognostic significance of the placental lactogen and estriol content of the blood pregnant women] Lopatchenko OI. **Akush Ginekol (Mosk)** 1981 May;(5):32–4 (Eng. Abstr.) **(Rus)**

METABOLISM

Simultaneous perfusion of [4–14C]oestriol and [6,9–3H2]oestriol 16 alpha–monoglucuronide through the isolated rat liver. II. Kinetic aspects. Höller M, et al. **Acta Endocrinol (Copenh)** 1982 Jun;100(2):274–8

Simultaneous perfusion of [4–14C]oestriol and [6,9–3H2]oestriol 16 alpha–monoglucuronide through the isolated rat liver. I. Qualitative aspects. Höller M, et al. **Acta Endocrinol (Copenh)** 1982 May;100(1):57–62

Unusual oestrogen concentrations during pregnancy. Evans JJ, et al. **Aust NZ J Obstet Gynaecol** 1981 Aug;21(3):174–6

[Amniotic fluid cortisol, tetrahydrocortisone, estriol and estetrol in normal and high risk pregnancy (author's transl)] Izumi M. **Nippon Sanka Fujinka Gakkai Zasshi** 1981 Aug; 33(8):1245–54 (Eng. Abstr.) **(Jpn)**

PHARMACODYNAMICS

Different effects of oestradiol, oestriol, oestetrol and of oestrone on human breast cancer cells (MCF–7) in long term tissue culture. Jozan S, et al. **Acta Endocrinol (Copenh)** 1981 Sep;98(1):73–80

The effect of progesterone, oestrogens and hydrocortisone on the mitogenic response of lymphocytes to phytohaemagglutinin in pregnant and non–pregnant women. Skinnider LF, et al. **Br J Obstet Gynaecol** 1981 Nov;88(11):1110–4

Modulation of the immune responses against SRBC after oestriol treatment in mice. Ezaki T, et al. **Clin Exp Immunol** 1982 Apr;48(1):239–43

Receptor and biological response to estriol in the fetal uterus of guinea pig. Pasqualini JR, et al. **J Recept Res** 1980; 1(2):261–75

Regulation of estrogen action in the uterus of the guinea–pig fetus. Sumida C, et al. **J Steroid Biochem** 1981 Dec; 15:137–43

Effect of oestriol, oestradiol valerate and ethinyloestradiol on serum proteins in oestrogen–deficient women. Bergink EW, et al. **Maturitas** 1981 Dec;3(3–4):241–7

Effects of conjugated equine oestrogens and oestriol on blood clotting, plasma lipids and endometrial proliferation in post–menopausal women. Campagnoli C, et al. **Maturitas** 1981 Aug;3(2):135–44

Oestriol in the control of postmenopausal symptoms. Preliminary report of a clinical trial. Wren BG. **Med J Aust** 1982 Feb 20;1(4):176–7

Modulation of food intake by hypothalamic implants of estradiol benzoate, estrone, estriol and CI–628 in female rats. Donohoe TP, et al. **Pharmacol Biochem Behav** 1982 Jan;16(1):93–9

[Vaginal trophism after treatment with estriol and HCG. Comparative histomorphological and biochemico–hormonal study] Scaglione V, et al. **Minerva Ginecol** 1981 Dec;33(12):1141–50 (Eng. Abstr.) **(Ita)**

THERAPEUTIC USE

Endometrial effect of vaginal estriol treatment. A scanning electron microscopic study of the luminal surface. Englund DE, et al. **Acta Obstet Gynecol Scand [Suppl]** 1981;106:23–6

Treatment of post menopausal osteoporosis. A controlled therapeutic trial comparing oestrogen/gestagen, 1,25–dihydroxy–vitamin D3 and calcium. Jensen GF, et al. **Clin Endocrinol (Oxf)** 1982 May;16(5):515–24

Trisequens. **Drug Ther Bull** 1981 Jul 31;19(16):63–4

Endocrinological and clinical investigations in post–menopausal women following administration of vaginal cream containing oestriol. Haspels AA, et al. **Maturitas** 1981 Dec;3(3–4):321–7

[Intravaginal treatment of colpitis maculosa with an oestriol–containing vaginal cream (author's transl)] Schröck A, et al. **Wien Klin Wochenschr** 1981 Dec 11; 93(23):713–6 (Eng. Abstr.) **(Ger)**

URINE

Monitoring foeto–placental function in Nigeria by estimation of urinary oestriol. Sogbanmu MO, et al. **Afr J Med Med Sci** 1981 Mar–Jun;10(1–2):45–8

Radioimmunoassay of oestriol in the urine of non–pregnant women. Morris R. **Ann Clin Biochem** 1981 May;18(Pt 3):163–8

Assay of urinary oestriol in infertility patients by radioimmunoassay. Masters AM, et al. **Aust NZ J Obstet Gynaecol** 1981 Aug;21(3):181–3

Urinary estriol evaluation in obstetrics. Xiao BL, et al. **Chin Med J [Engl]** 1982 Feb;95(2):121–8

Assay of oestriol in urine during pregnancy by a simple and economical radioimmunoassay. Evans SE, et al. **Clin Chim Acta** 1981 Aug 10;114(2–3):309–13

The use of human placental lactogen, oxytocinase and estriol in twin pregnancies with intrauterine growth retardation. Briët JW, et al. **Eur J Obstet Gynecol Reprod Biol** 1982 Feb;13(1):7–14

Serial first morning estriol determinations in evaluating the high–risk obstetric patient. Seibel MM, et al. **Obstet Gynecol** 1982 Jan;59(1):27–32

Sex and respiratory distress syndrome [letter] Hutchison AA, et al. **Pediatrics** 1982 Jan;69(1):131–2

[Urinary estriol determination and clinical observation in high risk pregnancy (author's transl)] Zhang ZJ. **Chung Hua Fu Chan Ko Tsa Chih** 1981 Jul;16(3):142–6 **(Chi)**

[Relationship between urinary oestriol during gravidity and foetal macrosomia in diabetic women (author's transl)] Hanuš J, et al. **Cesk Gynekol** 1981 Aug;46(7):521–3 (Eng. Abstr.) **(Cze)**

[Estriol in the hypertrophic fetus] Vašek J, et al. **Cesk Gynekol** 1982 Jun;47(5):370 **(Cze)**

[The value of biochemical parameters in the prenatal diagnosis of intrauterine growth retardation] Holtorff J, et al. **Acta Univ Palacki Olomuc Fac Med** 1981;101:15–21 **(Ger)**

[A fast (3 minutes) latexagglutination inhibition test for semiquantitative determination of urinary estriol in pregnancy (author's transl)] Bieglmayer C, et al. **Z Geburtshife Perinatol** 1982 Apr–May;186(2):76–9 (Eng. Abstr.) **(Ger)**

[Comparison of two methods for the determination of oestrogens in pregnancy urine (author's transl)] Musch K, et al. **Z Geburtshife Perinatol** 1981 Oct;185(5):284–7 (Eng. Abstr.) **(Ger)**

[Various indicators of hormonal activity in pregnant women with cervix incompetence] Krauze M, et al. **Ginekol Pol** 1981 Aug;52(8):693–8 (Eng. Abstr.) **(Pol)**

[Changes in the excretion of various pregnancy hormones in gravidity complicated by EPH–gestosis] Krasomski G, et al. **Wiad Lek** 1982 Apr 15;35(2):125–7 (Eng. Abstr.) **(Pol)**

[Examination of serum oxytocinase activity and estriol in 24–hour urine in prolonged gestation (author's transl)] Seban J, et al. **Bratisl Lek Listy** 1982 Apr;77(4):444–8 (Eng. Abstr.) **(Slo)**

[Behavior of urinary estriol in the pregnant diabetic patient. Analysis of 517 determinations] Chávez Azuela J, et al. **Ginecol Obstet Mex** 1981 Jan;48(291):23–32 (Eng. Abstr.) **(Spa)**

[Hyperthyroidism in pregnancy. Irregular estrogen excretion with methimazole therapy (author's transl)] Alger M, et al. **Rev Invest Clin** 1982 Jan–Mar;34(1):27–9 (Eng. Abstr.) **(Spa)**

ESTROGEN ANALOGS see **ESTROGENS, SYNTHETIC**

ESTROGEN ANTAGONISTS

Antagonism of estrogen–induced lordosis by corticosterone in adrenalectomized–ovariectomized female rats and mice. deCatanzaro D, et al. **Pharmacol Biochem Behav** 1981 Nov; 15(5):761–6

ADMINISTRATION & DOSAGE

Endocrine ablation and hepatic artery infusion in the treatment of metastases to the liver from carcinoma of the breast. Peetz M, et al. **Surg Gynecol Obstet** 1982 Sep; 155(3):395–400

[Adjuvant endocrine therapy and chemotherapy of breast cancer (author's transl)] Heuson JC, et al. **Rev Med Brux** 1982;3(4):209–16 (Eng. Abstr.) **(Fre)**

CHEMICAL SYNTHESIS

Potential antiestrogens. Synthesis and evaluation of mammary tumor inhibiting activity of 1,2–dialkyl–1,2–bis(3'–hydroxyphenyl)ethanes. Hartmann RW, et al. **J Med Chem** 1981 Oct;24(10):1192–7

Antiestrogenic properties of substituted benz[a]anthracene–3,9–diols. Morreal CE, et al. **J Med Chem** 1982 Mar;25(3):323–6

Antiestrogen basicity––activity relationships: a comparison of the estrogen receptor binding and antiuterotrophic potencies of several analogues of (Z)–1,2–diphenyl–1–[4–[2–(dimethylamino)ethoxy]phenyl] (tamoxifen, Nolvadex) having altered basicity. Robertson DW, et al. **J Med Chem** 1982 Feb;25(2):167–71

METABOLISM

Effect of antibodies to estrogen receptor on the binding of 3H–labeled antiestrogens and androstanediol in the uterus. Garcia M, et al. **Endocrinology** 1982 Apr;110(4):1355–61

Binding and biological responses of antiestrogens in the fetal and newborn uteri of guinea–pig. Gulino A, et al. **J Steroid Biochem** 1981 Dec;15:361–7

[Recent advances in antihormones (author's transl)] Okada H. **Nippon Sanka Fujinka Gakkai Zasshi** 1982 Jul; 34(7):971–5 **(Jpn)**

PHARMACODYNAMICS

Oestrogens and anti–oestrogens show dissociation between early uterine vascular responses and uterotrophic effects in mice. Arvidson NG, et al. **Acta Endocrinol (Copenh)** 1982 Jun;100(2):290–4

New observation on androgen action: androgen receptor stabilization and antisteroid effects of LHRH agonists. Wright W, et al. **Adv Exp Med Biol** 1981;138:325–36

Effects of estrogens and antiestrogens on estrogen receptor dynamics and the induction of progesterone receptor in MCF–7 human breast cancer cells. Eckert RL, et al. **Cancer Res** 1982 Jan;42(1):139–44

Estrogen antagonists in chick oviduct: antagonist activity of eight synthetic triphenylethylene derivatives and their interactions with cytoplasmic and nuclear estrogen receptors. Sutherland RL. **Endocrinology** 1981 Dec; 109(6):2061–8

Effect of paramethasone acetate upon estrogen action. Cortés–Gallegos V, et al. **Fertil Steril** 1982 Mar;37(3):402–5

Differential effects of two estrogen antagonists on the development of masculine and feminine sexual behavior in hamsters. Etgen AM. **Horm Behav** 1981 Sep; 15(3):299–311

An antiestrogenic action of androgens in human breast cancer cells. MacIndoe JH, et al. **J Clin Endocrinol Metab** 1981 Oct;53(4):836–42

Subcellular distribution of 3 alpha–hydroxysteroid dehydrogenase and antiestrogen action on androgen–metabolizing enzymes in rat pituitary gland. Ghraf R, et al. **J Neurochem** 1982 Apr;38(4):876–83

Mechanisms of estrogen and antiestrogen action in mammary cancer. Katzenellenbogen BS, et al. **J Steroid Biochem** 1981 Dec;15:219–29

Hormone binding of estradiol–17 beta receptor: evidence for its regulation by cytoplasmic phosphorylation and nuclear dephosphorylation. Prevention of dephosphorylation by antiestrogens. Migliaccio A, et al. **J Steroid Biochem** 1981 Dec;15:369–73

Effects of hydroxytamoxifen and tamoxifen on peroxidase activity in the immature rat uterus. Vass MA, et al. **J Steroid Biochem** 1982 Jan;16(1):125–7

The dissociation rate of estrogen receptor–ligand complexes is increased by high concentrations of steroids and antiestrogens. Borgna JL, et al. **Mol Cell Endocrinol** 1982 Jun;27(1):1–15

The estrogen–induced vitellogenin synthesis in chicken liver after estrogen withdrawal or antiestrogen treatment. Gschwendt M, et al. **Mol Cell Endocrinol** 1982 Apr; 26(1–2):231–42

Mechanisms of oestrogen antagonism by nonsteroidal antioestrogens. Sutherland RL, et al. **Mol Cell Endocrinol** 1982 Jan;25(1):5–23 (151 ref.)

Estrogen receptor–like macromolecule in MtTW15 rat pituitary tumors: effects of antiestrogens. Winneker RC, et al. **Mol Cell Endocrinol** 1981 Sep;23(3):333–44

Antiestrogen–induced alterations of hypothalamic dopamine and norepinephrine levels in the female rat. Baksi SN, et al. **Neuropharmacology** 1981 Dec;20(12A):1163–7

The agonistic–antagonistic properties of clomiphene: a review. Clark JH, et al. **Pharmacol Ther** 1981;15(3):467–519 (327 ref.)

Antiestrogens. Devi PK. **Pharmacol Ther** 1981;12(3):439–47 (69 ref.)

Steroidal actions and voluntary drinking of ethanol by male and female rats. Messiha FS. **Prog Biochem Pharmacol** 1981;

18:205–15
[Recent data on the mechanism of action of synthetic antiestrogens] Rochefort H. **Biochimie** 1982 Feb; 64(2):89–98 (45 ref.) (Eng. Abstr.) **(Fre)**
[Antiestrogens and antiandrogens based on acylhydrazines] Tret'iakov AV. **Dokl Akad Nauk SSSR** 1981;261(1):247–51 **(Rus)**

THERAPEUTIC USE

Comparative antioestrogen action in experimental breast cancer. Jordan VC. **Adv Exp Med Biol** 1981;138:165–78
Effects of endocrine therapy on steroid–receptor content of breast cancer. Taylor RE, et al. **Br J Cancer** 1982 Jan; 45(1):80–5
Advanced ovarian carcinoma: response to antiestrogen therapy. Myers AM, et al. **Cancer** 1981 Dec 1; 48(11):2368–70
Trioxifene mesylate (LY 133314): a new antiestrogen which inhibits growth hormone secretion in the rat. Arafah B, et al. **Eur J Cancer** 1980;Suppl 1:281–5
Activity of the antioestrogen trioxifene against N-Nitrosomethylurea–induced rat mammary carcinomas. Rose DP, et al. **Eur J Cancer Clin Oncol** 1981 Aug; 17(8):893–8
Conservative treatment of uterine leiomyoma with the antiestrogen antiprogesterone R–2323. Coutinho EM. **Int J Gynaecol Obstet** 1981 Oct;19(5):357–60
[Endocrine therapy in breast cancer (author's transl)] Izuo M, et al. **Horumon To Rinsho** 1981 Apr;29(4):439–45 **(Jpn)**
[Antiestrogens in the treatment of breast cancer] Gnatyshak AI. **Vopr Onkol** 1981;27(9):43–7 (40 ref.) **(Rus)**

ESTROGEN RECEPTORS see **RECEPTORS, ESTROGEN**

ESTROGENIC SUBSTANCES, CONJUGATED

ADMINISTRATION & DOSAGE

Effects of percutaneous estradiol and conjugated estrogens on the level of plasma proteins and triglycerides in postmenopausal women. Elkik F, et al. **Am J Obstet Gynecol** 1982 Aug 15;143(8):888–92
Dose-related changes in vaginal cytology after topical conjugated equine oestrogens. Dyer GI, et al. **Br Med J [Clin Res]** 1982 Mar 13;284(6318):789
Endometrial hyperplasia in women on cyclic or continuous estrogen regimens. Schiff I, et al. **Fertil Steril** 1982 Jan; 37(1):79–82
Use of intravenous Premarin in the treatment of dysfunctional uterine bleeding--a double-blind randomized control study. DeVore GR, et al. **Obstet Gynecol** 1982 Mar; 59(3):285–91

ADVERSE EFFECTS

Menopausal estrogen use and risk of breast cancer. Brinton LA, et al. **Cancer** 1981 May 15;47(10):2517–22
Hemolytic uremic syndrome in two postmenopausal women taking a conjugated estrogen preparation. Ashouri OS, et al. **Clin Nephrol** 1982 Apr;17(4):212–5
Conjugated estrogens and breast cancer risk in women. Hoover R, et al. **JNCI** 1981 Oct;67(4):815–20
[Adenocarcinoma arising in adenomyosis after estrogen therapy in the menopause] Zanetti G, et al. **Pathologica** 1981 Mar–Apr;73(1024):233–40 (Eng. Abstr.) **(Ita)**

ANALYSIS

Assay for conjugated estrogens in tablets using fused-silica capillary gas chromatography. Lyman GW, et al. **J Chromatogr** 1982 Jan 1;234(1):234–9
Analysis of conjugated estrogens in a vaginal cream formulation by capillary gas chromatography. Pillai GK, et al. **J Pharm Sci** 1982 May;71(5):583–5
Derivatization of estrogen conjugates for analysis by capillary gas chromatography. Shackleton CH. **Steroids** 1981 Nov; 38(5):485–94

BLOOD

Determination of estrone sulfate in plasma by radioimmunoassay without deconjugation. Nambara T, et al. **Clin Chim Acta** 1982 Feb 26;119(1–2):81–7
Conjugated and unconjugated oestrogens in men with hyperoestrogenism and in normal men: the day–to–day variation and the relationship between the different oestrogens. Myking OL, et al. **J Steroid Biochem** 1981 Sep; 14(9):935–40

CHEMICAL SYNTHESIS

A short efficient synthesis of 16–oxygenated estratriene 3–sulfates. Numazawa M, et al. **Steroids** 1981 Nov; 38(5):557–65

DIAGNOSTIC USE

Steroid–induced proteins in human endometrium. Iacobelli S, et al. **Mol Cell Endocrinol** 1981 Sep;23(3):321–31

METABOLISM

Factors affecting the 16 alpha–hydroxylation of estrone 3–sulfate by guinea pig liver microsomes. Tsoulis CJ, et al. **Can J Biochem** 1981 Jun;59(6):454–60
Systemic absorption of conjugated estrogenic cream by the irradiated vagina. Hintz BL, et al. **Gynecol Oncol** 1981 Aug; 12(1):75–82
In vivo and in vitro metabolism of estrone and estradiol–17 beta and their 3–sulfates in pregnant female guinea pigs: a plausible prehormone role of estrogen–sulfates in the maternal uterus. Adessi GL, et al. **J Steroid Biochem** 1982 Jan;16(1):107–16
The in vitro metabolism of estrone and estradiol–17 beta and their 3–sulfates by the renal tissues from pregnant and female fetal guinea–pigs. Adessi GL, et al. **J Steroid Biochem** 1981 Dec;15:453–9

PHARMACODYNAMICS

Effect of conjugated estrogens on vaginal blood flow in surgically menopausal women. Abrams RM, et al. **Am J Obstet Gynecol** 1982 Jun 15;143(4):375–8
Actions of progestins on the morphology and biochemistry of the endometrium of postmenopausal women receiving low–dose estrogen therapy. Whitehead MI, et al. **Am J Obstet Gynecol** 1982 Mar 15;142(6 Pt 2):791–5
The hemostatic effect of conjugated water–soluble estrogens in rats. Tsur H, et al. **Ann Plast Surg** 1982 May;8(5):387–9
Effects of oestrogen administration on vitamin B6 and tryptophan metabolism in the rat. Bender DA, et al. **Br J Nutr** 1982 May;47(3):609–14
Central vasopressor responses to conjugated estrogens in rats may be mediated via a renin–angiotensin system in the brain. Takahashi H, et al. **J Pharmacol Exp Ther** 1982 Sep; 222(3):726–30
[In vivo effects of conjugated estrogens on the insulin receptor and on glucose binding in isolated adipocytes of male rats] De Pirro R, et al. **C R Soc Biol (Paris)** 1981; 175(3):281–7 (Eng. Abstr.) **(Fre)**

SECRETION

Human testis does not secrete oestrone sulphate. Wu FC, et al. **J Endocrinol** 1982 Feb;92(2):185–94

THERAPEUTIC USE

Treatment with oral estrone sulphate in the female climacteric. III. Effects on bone density and on certain biochemical parameters. Lagrelius A. **Acta Obstet Gynecol Scand** 1981;60(5):481–8
Estrogen–progestin pharmacodynamics of the postmenopausal endometrium studied by thymidine labeling. Friedrich ER, et al. **Am J Obstet Gynecol** 1982 Jun 1;143(3):352–9
Psychological changes effected by estrogen–progestogen and clonidine treatment in climacteric women. Gerdes LC, et al. **Am J Obstet Gynecol** 1982 Jan 1;142(1):98–104
Is oestrogen therapy effective in the treatment of menopausal depression? Coope J. **J R Coll Gen Pract** 1981 Mar; 31(224):134–40
Attenuation of hypertension by conjugation estrogens. Elias AN, et al. **Nephron** 1982;30(1):89–92
Effect of estrogen treatment on the genital tract flora of postmenopausal women. Larsen B, et al. **Obstet Gynecol** 1982 Jul;60(1):20–4
New embolization method using estrogen for dural arteriovenous malformation and meningioma. Suzuki J, et al. **Surg Neurol** 1981 Dec;16(6):438–42
Hip fracture, skeletal fragility, osteoporosis and hormonal deprivation in elderly women. Specht EE. **West J Med** 1980 Oct;133(4):297–303 (59 ref.)
[The value of FSH, LH, estradiol and testosterone after administration of Seda–Presomen in women after hysterectomy with bilateral adnexectomy] Stehlíková J, et al. **Acta Univ Palacki Olomuc Fac Med** 1981;101:139–45 **(Ger)**
[Growth inhibiting therapy in osteochondrosis tibiae – Blount disease] Butenandt O. **Fortschr Med** 1981 Oct 1; 99(37):1490–1 (Eng. Abstr.) **(Ger)**
[Conjugated–estrogen treatment of excessively tall girls (author's transl)] Stöver B, et al. **Monatsschr Kinderheilkd** 1982 Jan;130(1):36–40 (Eng. Abstr.) **(Ger)**
[Psychometric aspects of estrogen therapy in climacteric woman (study of 122 women after menopause)] Wenderlein JM. **Z Klin Psychol Psychother** 1981;29(3):263–7 **(Ger)**

URINE

Enzymatic detection of urinary conjugated steroids after gel chromatography. Yamaguchi Y, et al. **J Chromatogr** 1982 Jul 9;230(2):263–70

ESTROGENS

Oestrogenic activity of cyproterone acetate in female mice. Lohiya NK, et al. **Endokrinologie** 1981 Oct;78(1):21–7

ADMINISTRATION & DOSAGE

Oral contraceptives, clotting factors, and thrombosis. Meade TW. **Am J Obstet Gynecol** 1982 Mar 15;142(6 Pt 2):758–61
Effect of 1,25–dihydroxy–vitamin D3 in itself or combined with hormone treatment in preventing postmenopausal osteoporosis. Christiansen C, et al. **Eur J Clin Invest** 1981 Aug;11(4):305–9
Combination therapy for osteoporosis with estrogen, fluoride, and calcium. Aloia JF, et al. **J Am Geriatr Soc** 1982 Jan; 30(1):13–7
Observations with a combined oral contraceptive (Rigevidon) containing minimum oestrogen dose. Karsay K. **Ther Hung** 1980;28(1):17–20
If preventable why not prevented? Gordan GS. **West J Med** 1980 Oct;133(4):331–3

ADVERSE EFFECTS

On the role of estrogens in endometrial carcinogenesis. Astedt B. **Acta Obstet Gynecol Scand [Suppl]** 1981;106:33–5 (30 ref.)
Estrogens and endometrial cancer: fact or fiction? Fowler WC Jr. **Ala J Med Sci** 1982 Jan;19(1):38–45
Prepubertal gynecomastia associated with estrogen–containing hair cream. Edidin DV, et al. **Am J Dis Child** 1982 Jul;136(7):587–8
Exogenous estrogens and breast cancer. Lawson DH, et al. **Am J Epidemiol** 1981 Nov;114(5):710–3
Trends in the incidence of cancer of the corpus uteri in Connecticut, 1964–1979, in relation to consumption of exogenous estrogens. Marrett LD, et al. **Am J Epidemiol** 1982 Jul;116(1):57–67
Exogenous estrogens and endometrial cancer: a case–control study and assessment of potential biases. Spengler RF, et al. **Am J Epidemiol** 1981 Oct;114(4):497–506
Re: 'Replacement estrogens and breast cancer': variance estimates in cohort studies with sampling for covariates [letter] Walker AM. **Am J Epidemiol** 1981 Oct;114(4):605–6
Survival among women with endometrial cancer: a comparison of estrogen users and nonusers. Chu J, et al. **Am J Obstet Gynecol** 1982 Jul 1;143(5):569–73
Breast cancer and estrogen replacement therapy. Hulka BS, et al. **Am J Obstet Gynecol** 1982 Jul 15;143(6):638–44
Progestogens in cardiovascular diseases: an introduction to the epidemiologic data. Mann JI. **Am J Obstet Gynecol** 1982 Mar 15;142(6 Pt 2):752–7
Effects of progestogens on the cardiovascular system. Meade TW. **Am J Obstet Gynecol** 1982 Mar 15;142(6 Pt 2):776–80
Contraceptive Steroids, age, and the cardiovascular system. Plunkett ER. **Am J Obstet Gynecol** 1982 Mar 15;142(6 Pt 2):747–51
A comparison of estrogen use by women with endometrial cancer, gynecologic disorders, and other illnesses. Stavraky KM, et al. **Am J Obstet Gynecol** 1981 Nov 1;141(5):547–55
Cardiovascular effects and progestins in oral contraceptives. Wynn V. **Am J Obstet Gynecol** 1982 Mar 15;142(6 Pt 2):718
The decreasing incidence of endometrial cancer: public health implications. Austin DF, et al. **Am J Public Health** 1982 Jan;72(1):65–8
Percutaneous oestrogen– induced gynaecomastia: a case report. Cimorra GA, et al. **Br J Plast Surg** 1982 Apr; 35(2):209–10
Estrogen replacement therapy, hot flushes and breast cancer [letter] Paganini–Hill A. **Can Med Assoc J** 1982 Sep 1; 127(5):360
Estrogen--a cause of gynecologic cancer? Lucas WE. **Cancer** 1981 Jul 15;48(2 Suppl):451–4 (44 ref.)
Oestrogens and hypertension. Roberts JM. **Clin Endocrinol Metab** 1981 Nov;10(3):489–512 (94 ref.)
Estrogens and hypertension. Weinberger MH. **Compr Ther** 1982 Jun;8(6):71–5
Contact dermatitis to estradiol benzoate. Ljunggren B. **Contact Dermatitis** 1981 May;7(3):141–4
Malignant hypertension and oral contraceptives: four cases, with two due to the 30 micrograms oestrogen pill. Hodsman GP, et al. **Eur Heart J** 1982 Jun;3(3):255–9
Exogenous estrogens: a continuing controversy. Malkasian GD Jr. **Geriatrics** 1982 Mar;37(3):79–81, 85–6, 88
Reversible type III hyperlipidemia caused by estrogen administration. Sugar SJ. **IMJ** 1982 May;161(5):346
Oestrogens and obesity as risk factors for endometrial cancer in Italy. La Vecchia C, et al. **Int J Epidemiol** 1982 Jun; 11(2):120–6
The role of estrogens in mastopathy and mammary cancer in perimenopausal women. Greenblatt RB, et al. **J Am Geriatr Soc** 1982 Mar;30(3):165–9
An analysis of detection bias and proposed corrections in the study of estrogens and endometrial cancer. Greenland S, et al. **J Chronic Dis** 1981;34(9–10):433–8
Estrogens and endometrial cancer. Ambrus JL, et al. **J Med** 1981;12(2–3):81–8
Estrogens and endometrial carcinoma. Diddle AW, et al. **J Tenn Med Assoc** 1981 Mar;74(3):169–73
Clotting predisposition in carcinoma of the prostate [letter] Varenhorst E, et al. **J Urol** 1981 Sep;126(3):419
Noncontraceptive estrogen use and the occurrence of ovarian cancer. Weiss NS, et al. **JNCI** 1982 Jan;68(1):95–8
Estrogens in oral contraceptives: historical perspectives. Goldzieher JW. **Johns Hopkins Med J** 1982 May; 150(5):165–9
The formulation of oral contraceptives: does the amount of estrogen make any clinical difference? Speroff L. **Johns Hopkins Med J** 1982 May;150(5):170–6 (39 ref.)
Kaposi's sarcoma and the use of oestrogen by male homosexuals [letter] Coutinho EM. **Lancet** 1982 Jun 12; 1(8285):1362
Kaposi sarcoma and oestrogens [letter] Mills AF. **Lancet** 1982 Jun 26;1(8287):1465
The possible connection between phytoestrogens, milk and coronary heart disease. Seely S. **Med Hypotheses** 1982 Apr;

8(4):349–54
Impairment of diazepam metabolism by low-dose estrogen-containing oral-contraceptive steroids. Abernethy DR, et al. **N Engl J Med** 1982 Apr 1; 306(13):791–2
Postmenopausal estrogen therapy: a review. Mosher BA, et al. **Obstet Gynecol Surv** 1981 Sep;36(9):467–75 (96 ref.)
An overview of studies on estrogens, oral contraceptives and breast cancer. Drill VA. **Prog Drug Res** 1981;25:159–87 (105 ref.)
The role of estrogens as a risk factor for stroke in postmenopausal women. Rosenberg SH, et al. **West J Med** 1980 Oct;133(4):292–6
[Cancer of the breast in patients having prostatic cancer treated with estrogens. Report of three cases (author's transl)] Dore B, et al. **J Urol (Paris)** 1982;88(4):247–52 (Eng. Abstr.) **(Fre)**
[Prevalence of obesity in post-menopausal women treated with estrogens] Verdy M, et al. **Union Med Can** 1982 Jun; 111(6):579–81 (Eng. Abstr.) **(Fre)**
[Effects of oestrogens on cardiovascular risk factors in patients with carcinoma of the prostate (author's transl)] Varenhorst E, et al. **Urologe [Ausg A]** 1982 Jan;21(1):34–8 (Eng. Abstr.) **(Ger)**
[Estrogens and postmenopause (author's transl)] Rezaković-Musić D. **Lijec Vjesn** 1981;103(3):97–104 (130 ref.) (Eng. Abstr.) **(Scr)**
[Hormonal contraceptive therapy and thromboembolic disease] Narvaiza MJ, et al. **Rev Med Univ Navarra** 1980 Dec;24(4):49–53 (55 ref.) (Eng. Abstr.) **(Spa)**

ANALYSIS

Postmenopausal vaginal cytohormonal pattern in 597 healthy women and 301 patients with genital cancer. Efstratiades M, et al. **Acta Cytol (Baltimore)** 1982 Mar-Apr;26(2):126–30
A dual radioimmunoassay and cytosol receptor binding assay for the measurement of estrogenic compounds applied to urine, fecal and plasma samples. Erb L, et al. **Steroids** 1982 Jan;39(1):33–46
[Estrogen window hypothesis (editorial)] Cohen Y. **Harefuah** 1981 Jun 15;100(12):585–6 **(Heb)**
[The determination of unconjugated estrone, estradiol, estriol and estetrol in serum or amniotic fluid by high performance liquid chromatography with an amperometric detector (author's transl)] Sagara Y, et al. **Nippon Naibunpi Gakkai Zasshi** 1981 Jul 20;57(7):963–73 (Eng. Abstr.) **(Jpn)**

BIOSYNTHESIS

In vitro oestrogen synthesis by bovine placenta during pregnancy and induced parturition. Evans G, et al. **Acta Endocrinol (Copenh)** 1981 Sep;98(1):119–25
Oestrogen synthesis by bovine foetal placenta at normal parturition. Larsson K, et al. **Acta Endocrinol (Copenh)** 1981 Sep;98(1):112–8
Inhibition of estrogen biosynthesis and regression of mammary tumors by aromatase inhibitors. Brodie AM, et al. **Adv Exp Med Biol** 1981;138:179–90
Conversion of androgens to estrogens not dependent on testicular tissue in a patient with syndrome of total insensitivity to androgens. Rivas F, et al. **Arch Invest Med (Mex)** 1982;13(1):37–41 **(Eng, Spa)**
Mechanistic studies on C-19 demethylation in oestrogen biosynthesis. Akhtar M, et al. **Biochem J** 1982 Mar 1; 201(3):569–80
Comparative studies of aromatase inhibitors in relation to the significance of estrogen synthesis in human mammary tumors. Abul-Hajj YJ. **Cancer Res** 1982 Aug;42(8 Suppl):3373s–3377s
Substituted C19 steroid analogs as inhibitors of aromatase. Brueggemeier RW, et al. **Cancer Res** 1982 Aug;42(8 Suppl):3334s–3337s
A new hypothesis based on suicide substrate inhibitor studies for the mechanism of action of aromatase. Covey DF, et al. **Cancer Res** 1982 Aug;42(8 Suppl):3327s–3333s
Estrogen synthesis in human breast tumor and its inhibition by testololactone and bromoandrostenedione. Dao TL. **Cancer Res** 1982 Aug;42(8 Suppl):3338s–3341s
Biochemical mechanism of aromatization. Fishman J. **Cancer Res** 1982 Aug;42(8 Suppl):3277s–3280s
Obesity, androgens, estrogens, and cancer risk. Kirschner MA, et al. **Cancer Res** 1982 Aug;42(8 Suppl):3281s–3285s
Significance of aromatase activity in human breast cancer. Miller WR, et al. **Cancer Res** 1982 Aug;42(8 Suppl):3365s–3368s
Antiestrogen treatment of breast cancer: an overview. Pearson OH, et al. **Cancer Res** 1982 Aug;42(8 Suppl):3424s–3429s
Aromatase in human breast carcinoma. Perel E, et al. **Cancer Res** 1982 Aug;42(8 Suppl):3369s–3372s
Biochemistry of aromatase: significance to female reproductive physiology. Ryan KJ. **Cancer Res** 1982 Aug; 42(8 Suppl):3342s–3344s
Steroid hormone profiles in women treated with aminoglutethimide for metastatic carcinoma of the breast. Samojlik E, et al. **Cancer Res** 1982 Aug;42(8 Suppl):3349s–3352s
Adequacy of estrogen suppression with aminoglutethimide and hydrocortisone as treatment of human breast cancer: correlation of hormonal data with clinical responses. Santen RJ, et al. **Cancer Res** 1982 Aug;42(8 Suppl):3397s–3401s
Review of studies on estrogen biosynthesis in the human. Siiteri PK. **Cancer Res** 1982 Aug;42(8 Suppl):3269s–3273s
In vitro assays of aromatase and their role in studies of estrogen formation in target tissues. Weisz J. **Cancer Res** 1982 Aug;42(8 Suppl):3295s–3298s
Relationship of obesity to blood estrogens. Zumoff B. **Cancer Res** 1982 Aug;42(8 Suppl):3289s–3294s
Steroidogenesis in vitro by human ovarian follicles during the process of atresia. Mori T, et al. **Clin Endocrinol (Oxf)** 1982 Apr;16(4):391–400
Direct enhancement of gonadotropin-stimulated ovarian estrogen biosynthesis by estrogen and clomiphene citrate. Zhuang LZ, et al. **Endocrinology** 1982 Jun;110(6):2219–21
Antiestrogenic action of high-dose clomiphene in primates pituitary augmentation but with ovarian attenuation. Marut EL, et al. **Fertil Steril** 1982 Jul;38(1):100–4
Estrogen synthesis in relation to estrone, estradiol, and vitellogenin plasma levels during the reproductive cycle of the female rainbow trout, Salmo gairdneri. van Bohemen CG, et al. **Gen Comp Endocrinol** 1981 Sep;45(1):105–14
Oestrogen production in adipose tissue from normal women and women with endometrial cancer in vitro. Folkerd EJ, et al. **J Steroid Biochem** 1982 Feb;16(2):297–302
Metabolism of 1,4-androstadiene-3,17-dione by human placental microsomes. Enzyme properties and kinetic parameters in the formation of estrogens and 17 beta-hydroxy-1,4-androstadien-3-one. Milewich L, et al. **J Steroid Biochem** 1981 Nov;14(11):1115–25
Species specificity of estrogen biosynthesis in pregnancy. Immunochemical difference of placental NADPH-cytochrome c (P-450) reductase in human, baboon and horse. Osawa Y, et al. **J Steroid Biochem** 1981 Dec;15:449–52
Production rates of androgens and oestrogens in post-menopausal women. Longcope C, et al. **Maturitas** 1981 Dec;3(3–4):215–23
The role of cyclic AMP in the induction of estrogen and progestin synthesis in cultured granulosa cells. Wang C, et al. **Mol Cell Endocrinol** 1982 Jan;25(1):73–83
Norethisterone, a major ingredient of contraceptive pills, is a suicide inhibitor of estrogen biosynthesis. Osawa Y, et al. **Science** 1982 Mar 5;215(4537):1249–51
Increased estrogen synthesis in the Sebright bantam is due to a mutation that causes increased aromatase activity. Leshin M, et al. **Trans Assoc Am Physicians** 1981;94:97–105
[Feminization of embryonic chicken testicle by diethylstilbestrol and antagonistic action of tamoxifen] Samsel J, et al. **Biochimie** 1982 May;64(5):369–76 (Eng. Abstr.) **(Fre)**
[Aromatization of androgens (author's transl)] Vague J, et al. **Sem Hop Paris** 1981 Oct 8–15;57(37–38):1467–76 (139 ref.) (Eng. Abstr.) **(Fre)**

BLOOD

Progesterone and oestrogen concentrations in plasma during blastocyst implantation in mice exposed to triethyl lead. Odenbro A, et al. **Acta Pharmacol Toxicol (Copenh)** 1982 Apr;50(4):241–5
Evidence that brain aromatization regulates LH secretion in the male dog. Worgul TJ, et al. **Am J Physiol** 1981 Sep; 241(3):E246–50
Effects of ingested petroleum on plasma levels of ovarian steroid hormones in photostimulated mallard ducks. Cavanaugh KP, et al. **Arch Environ Contam Toxicol** 1982; 11(4):503–8
Peripheral venous concentrations of oestrogens in postmenopausal women with ovarian cancer. Heinonen PK, et al. **Br J Obstet Gynaecol** 1982 Jan;89(1):84–6
Raised plasma oestrogens in infertile men with elevated levels of FSH. Wu FC, et al. **Clin Endocrinol (Oxf)** 1982 Jan; 16(1):39–47
Sertoli cell adenoma in Morris syndrome. Moneta E, et al. **Eur J Gynaec Oncol** 1981;2(2):48–50
Plasma gonadotropins, prolactin, and steroid hormone concentrations in female runners immediately after a long-distance run. Baker ER, et al. **Fertil Steril** 1982 Jul; 38(1):38–41
Radioimmunoassay for plasma cortisol, testosterone, estradiol-17 beta, and estrone in the catfish Heteropneustes fossilis (Bloch): development and validation. Lamba VJ, et al. **Gen Comp Endocrinol** 1982 Jun;47(2):170–81
Monitoring of ovulation induction with HMG-HCG therapy by plasma estrogen and progesterone. Muechler EK, et al. **Int J Fertil** 1981;26(4):273–8
Estrogens and piglet viability. I. Serum estrogen concentrations in piglets. Bate LA, et al. **J Anim Sci** 1982 May;54(5):1012–6
Estrogens and piglet viability. II. Effect of estrogen on piglet viability. Bate LA, et al. **J Anim Sci** 1982 May; 54(5):1017–22
Variables associated with peripartum traits in dairy cows. IX. Relationship of season and other factors to blood plasma concentrations of progesterone and the estrogens. Erb RE, et al. **J Anim Sci** 1982 Feb;54(2):302–8
Progesterone and estrogen concentrations in gilts with delayed parturition. Wilson ME, et al. **J Anim Sci** 1981 Feb;52(2):323–9
Determination of serum unconjugated estrone, estradiol-17 beta and estriol during pregnancy by selected ion monitoring. Iwai M, et al. **J Chromatogr** 1981 Oct 9; 225(2):275–82
Total and free estrogens and androgens in postmenopausal women with hip fractures. Davidson BJ, et al. **J Clin Endocrinol Metab** 1982 Jan;54(1):115–20
Age variation of the 24-hour mean plasma concentrations of androgens, estrogens, and gonadotropins in normal adult men. Zumoff B, et al. **J Clin Endocrinol Metab** 1982 Mar; 54(3):534–8
Gonadotrophin, total oestrogen and progesterone concentrations in plasma of lactating sows with particular reference to lactational oestrus. Duggan RT, et al. **J Reprod Fertil** 1982 Mar;64(2):303–13
Plasma concentration gradient of steroid hormones across human mammary tumours in vivo. Van Landeghem AA, et al. **J Steroid Biochem** 1981 Aug;14(8):741–7
Serum concentrations of FSH, oestradiol, oestrone and androstenedione in normal and obese women. Klinga K, et al. **Maturitas** 1982 Apr;4(1):9–17
Evaluation of the gonadotropic responsiveness of the pituitary to acute and prolonged administration of LH/FSH-releasing hormone (lhrh) in untreated patients with congenital adrenal hyperplasia. Wajchenberg BL, et al. **Metabolism** 1981 Oct;30(10):976–81
Estrogen levels in postmenopausal women with hot flashes. Erlik Y, et al. **Obstet Gynecol** 1982 Apr;59(4):403–7
Plasma concentrations of C-19 steroids, estrogens, FSH, LH and prolactin in post-menopausal women with an without breast cancer. Bird CE, et al. **Oncology** 1981;38(6):365–8
Plasma steroid changes in twin pregnancies. TambyRaja RL, et al. **Prog Clin Biol Res** 1981;69A:189–95
[Hyperestrinism--a risk factor of malignancy and the LAI test (author's transl)] Kobilková J, et al. **Sb Lek** 1981; 83(11–12):321–5 (Eng. Abstr.) **(Cze)**
[Immunological quantity determinations of hPL and total oestrogens during the course of pregnancy (author's transl)] Patricot MC, et al. **Ann Biol Clin (Paris)** 1981;39(6):351–4 (Eng. Abstr.) **(Fre)**
[The change of plasma hormonal patterns following gonadotropin therapies (author's transl)] Matsuoka M. **Nippon Sanka Fujinka Gakkai Zasshi** 1982 Feb;34(2):143–52 (Eng. Abstr.) **(Jpn)**
[Studies on the ovarian pathophysiology by exogenous gonadotropin stimulation in combination with adrenal suppression (author's transl)] Nakamura G. **Nippon Sanka Fujinka Gakkai Zasshi** 1981 Oct; 33(10):1757–66 (Eng. Abstr.) **(Jpn)**
[Clinical evaluation of immunoenzyme technics for determination of placental lactogen and estrogens] Klimek R, et al. **Ginekol Pol** 1981 Oct;52(10):899–902 **(Pol)**
[Asthma in pregnancy] Wszelaki-Lass E, et al. **Wiad Lek** 1982 May 15;35(5):305–8 (Eng. Abstr.) **(Pol)**
[Hormonal changes in endometrial precancer and cancer] Griaznova IM, et al. **Akush Ginekol (Mosk)** 1981 Dec; (12):20–3 (Eng. Abstr.) **(Rus)**
[Hormone content in the plasma of women with threatened abortion treated by acupuncture] Vorontsova GM, et al. **Akush Ginekol (Mosk)** 1981 May;(5):19–20 (Eng. Abstr.) **(Rus)**
[Prolactin and estrogens in osteoporosis in post-menopausal women (author's transl)] Rico Lenza H. **Med Clin (Barc)** 1982 May 1;78(9):372–5 (Eng. Abstr.) **(Spa)**

DEFICIENCY

Effects of estrogen deficiency in women castrated when young. Svanberg L. **Acta Obstet Gynecol Scand [Suppl]** 1981;106:11–5
Nonfunctioning progesterone receptors in the developed oviducts from estrogen-withdrawn immature chicks and in aged nonlaying hens. Boyd-Leinen PA, et al. **Endocrinology** 1982 Jul;111(1):30–6
Development of a vaginal ring for achieving physiologic levels of 17 beta-estradiol in hypoestrogenic women. Stumpf PG, et al. **J Clin Endocrinol Metab** 1982 Jan; 54(1):208–10
Estrogen deprivation and vaginal function in postmenopausal women. Semmens JP, et al. **JAMA** 1982 Jul 23;248(4):445–8
Nutritional, endocrine, and demographic aspects of osteoporosis. Kleerekoper M, et al. **Orthop Clin North Am** 1981 Jul;12(3):547–58 (53 ref.)
[Menstrual migraine] Giacovazzo M. **Minerva Med** 1982 Mar 24;73(12):665–72 **(Ita)**

ISOLATION & PURIFICATION

Separation of steroidal estrogens and their major unconjugated metabolites by high performance liquid chromatography. Aten RF, et al. **J Steroid Biochem** 1982 Mar;16(3):447–9
[Demonstration of phytoestrogens in feed plants and hops by means of receptor test] Hesse R, et al. **Zentralbl Veterinarmed [A]** 1981;28(6):422–54 (Eng. Abstr.) **(Ger)**

METABOLISM

A comparative longitudinal study on sex hormone binding globulin capacity during estrogen replacement therapy. Helgason S, et al. **Acta Obstet Gynecol Scand** 1982; 61(2):97–100
Biologic activity of the iodoestrogens and their use in breast cancer. Longcope C, et al. **Adv Exp Med Biol** 1981; 138:191–210
Estradiol and progesterone binding in human term placental cytosol. Younes MA, et al. **Am J Obstet Gynecol** 1981 Sep

15;141(2):170–4

Drug interaction with estrogen receptors for the control of breast neoplasia (review). Leclercq G, et al. **Anticancer Res** 1981;1(4):217–28 (94 ref.)

Alcohol-induced changes in hepatic estrogen-binding proteins: a mechanism explaining feminization in alcoholics. Eagon PK, et al. **Arch Biochem Biophys** 1981 Oct 1; 211(1):48–54

Prolactin, maternal oestrogens, and breast development in the newborn. McKiernan JF, et al. **Arch Dis Child** 1981 Oct;56(10):770–4

Menopausal endocrinology and management. Korenman SG. **Arch Intern Med** 1982 Jun;142(6):1131–6 (39 ref.)

Estrogen metabolism in systemic lupus erythematosus: patients and family members. Lahita RG, et al. **Arthritis Rheum** 1982 Jul;25(7):843–6

Sex differences in hepatic oestrogen-binding proteins. Thompson C, et al. **Biochem J** 1981 Jan 15;194(1):1–8

The biologic activity of selenoestrogens. Longcope C, et al. **Can J Biochem** 1982 Feb;60(2):152–6

Fetal and maternal estrogen concentrations throughout pregnancy in the sheep. Challis JR, et al. **Can J Physiol Pharmacol** 1981 Sep;59(9):970–8

A reassessment of the role of breast tumor aromatization. Bradlow HL. **Cancer Res** 1982 Aug;42(8 Suppl):3382s–3386s

Effect of diet on plasma and urinary hormones in South African black men with prostatic cancer. Hill P, et al. **Cancer Res** 1982 Sep;42(9):3864–9

Methods and results of aromatization studies in vivo. Longcope C. **Cancer Res** 1982 Aug;42(8 Suppl):3307s–3311s

Estrogens, estradiol receptors and peroxidase activity in human mammary carcinomas. Duffy MJ, et al. **Eur J Cancer** 1981 Jun;17(6):711–4

Relative rates of 2- and 4-hydroxyestrogen synthesis are dependent on both substrate and tissue. Purdy RH, et al. **FEBS Lett** 1982 Feb 8;138(1):40–4

The effect of luteinizing hormone-releasing factor and its agonist on cultured human granulosa cells. Casper RF, et al. **Fertil Steril** 1982 Mar;37(3):406–9

In vitro aromatization of androgens into estrogens in placental insufficiency. Thoumsin HJ, et al. **Gynecol Obstet Invest** 1982;13(1):37–43

Estrogen and progestogen binding in the myometrium of the ewe. I. During the estrous cycle. Rexroad CE Jr. **J Anim Sci** 1981 Oct;53(4):1057–69

Estrogen and progestogen binding in the myometrium of the ewe. II. Regulation by estradiol and progesterone. Rexroad CE Jr. **J Anim Sci** 1981 Oct;53(4):1070–6

How effective is surgical adrenalectomy in lowering steroid hormone concentrations? Worgul TJ, et al. **J Clin Endocrinol Metab** 1982 Jan;54(1):22–6

Androgen and oestrogen binding in cytosols of human ovarian tumours. Hamilton TC, et al. **J Endocrinol** 1981 Sep;90(3):421–31

Androgen and oestrogen concentrations in the ovary of the cyclic rat. Toorop AI, et al. **J Endocrinol** 1982 Apr; 93(1):25–30

Competition by estrogens for catecholamine receptor binding in vitro. Paden CM, et al. **J Neurochem** 1982 Aug; 39(2):512–20

Effects of chronic treatment with thyroxine and estradiol on estrogen concentration in serum and on hepatic microsomal catechol estrogen formation in female rats. Shiverick KT, et al. **J Pharmacol Exp Ther** 1982 Jun; 221(3):564–9

Oestrogens and progestagens in rat ovarian follicles during the oestrous cycle. Szoltys M. **J Reprod Fertil** 1981 Sep; 63(1):221–4

Studies of oestrogen metabolism in postmenopausal women with cancer. James VH, et al. **J Steroid Biochem** 1981 Dec; 15:235–45

Effect of polybrominated biphenyls on hepatic microsomal metabolism of estrogens and uterotropic action of administered estrogen in rats. Bonhaus DW, et al. **J Toxicol Environ Health** 1981 Jul–Aug;8(1–2):141–50

Roles of nutrition, obesity, and estrogens in diabetes mellitus: human leads to an experimental approach to prevention. Addanki S. **Prev Med** 1981 Sep;10(5):577–89 (87 ref.)

Doisynolic acids: potent estrogens with very low affinity for estrogen receptors. Meyers CY, et al. **Res Commun Chem Pathol Pharmacol** 1982 Jan;35(1):165–8

Characterization of estrogen-concentrating hypothalamic neurons by their axonal projections. Morrell JI, et al. **Science** 1982 Sep 24;217(4566):1273–6

Estrogen sulfurylation as an alternative indicator of hormone dependence in human breast cancer. Pewnim T, et al. **Steroids** 1982 Jan;39(1):47–52

['Endometrial' carcinoma of the prostate. Morphological and hormonal data] Ferramosca B, et al. **Pathologica** 1981 Sep–Oct;73(1027):763–71 (Eng. Abstr.) **(Ita)**

[Role of hormonal disorders in the etiology of polycystic ovary syndrome (Stein–Leventhal syndrome)] Baranowska B, et al. **Endokrynol Pol** 1981 May–Jun;32(3):227–38 (Eng. Abstr.) **(Pol)**

[Do estrogenic hormones influence the evolution of diabetic retinopathy?] Segal N, et al. **Rev Chir [Oftalmol]** 1981 Oct–Dec;25(4):257–60 (Eng. Abstr.) **(Rum)**

[Presence of estrogen-binding systems in the plasma membranes of rat uterus cells] Sergeev PV, et al. **Farmakol Toksikol** 1981 Jul–Aug;44(4):429–32 (Eng. Abstr.) **(Rus)**

[Specificity characteristics of estrogen interaction with the cytoplasmic receptors of the uterus and oviducts in green monkeys (Cercopithecus griseus)] Fanchenko ND, et al. **Vopr Med Khim** 1982 Jul–Aug;28(4):56–8 (Eng. Abstr.) **(Rus)**

[Enzyme immunoassay measurement of estrogens in EPH gestoses (author's transl)] Sulović V, et al. **Jugosl Ginekol Opstet** 1981 Dec;21(5–6):120–3 (Eng. Abstr.) **(Scr)**

PHARMACODYNAMICS

Comparison of effect of oestrogen on muscle development of male and female mice. Ihemelandu EC. **Acta Anat (Basel)** 1981;110(4):311–7

Oestrogens and anti-oestrogens show dissociation between early uterine vascular responses and uterotrophic effects in mice. Arvidson NG, et al. **Acta Endocrinol (Copenh)** 1982 Jun;100(2):290–4

The effect of sex steroids on the degradation of LRH by hypothalamic homogenates. Tate AC, et al. **Acta Endocrinol (Copenh)** 1981 Nov;98(3):321–5

Gonadotropins and prolactin during estrogen replacement therapy. Helgason S, et al. **Acta Obstet Gynecol Scand** 1981; 60(5):515–6

Estrogenic potency of oral replacement therapy estimated by the induction of pregnancy zone protein. Helgason S, et al. **Acta Obstet Gynecol Scand** 1982;61(1):75–9

Estrogen replacement therapy after the menopause. Estrogenicity and metabolic effects. Helgason S. **Acta Obstet Gynecol Scand [Suppl]** 1982;107:1–29

Carbohydrate metabolism in relation to hormonal replacement therapy. Notelovitz M. **Acta Obstet Gynecol Scand [Suppl]** 1981;106:51–6 (47 ref.)

Effects in postmenopausal women of natural and synthetic estrogens on calcitonin and calcium-regulating hormone secretion. Relevance to postmenopausal osteoporosis. Whitehead MI, et al. **Acta Obstet Gynecol Scand [Suppl]** 1981;106:27–32

Estrogen regulation of growth and specific protein synthesis in human breast cancer cells in tissue culture. Edwards DP, et al. **Adv Exp Med Biol** 1981;138:133–49

Estrogen receptor and the development of estrogenic responses in embryonic chick liver. Lazier CB, et al. **Adv Exp Med Biol** 1981;138:19–38

Regulation of pituitary growth and prolactin gene expression by estrogen. Lieberman ME, et al. **Adv Exp Med Biol** 1981; 138:151–63

Estrogen replacement therapy and the mixed lymphocyte reaction. Helgason S, et al. **Am J Obstet Gynecol** 1981 Oct 15;141(4):393–7

Effects of oral contraceptives on lipoprotein triglyceride and cholesterol: relationships to estrogen and progestin potency. Knopp RH, et al. **Am J Obstet Gynecol** 1982 Mar 15;142(6 Pt 2):725–31

The effects of estrogen on adrenal androgens in oophorectomized women. Lobo RA, et al. **Am J Obstet Gynecol** 1982 Feb 15;142(4):471–8

Effects of estrogens and progestogens on lipid metabolism. Oster P, et al. **Am J Obstet Gynecol** 1982 Mar 15;142(6 Pt 2):773–5

Carbohydrate metabolism during treatment with estrogen, progestogen, and low-dose oral contraceptives. Spellacy WN. **Am J Obstet Gynecol** 1982 Mar 15;142(6 Pt 2):732–4

Cellular and subcellular distribution of 125I-labeled very low density lipoproteins in the liver of normal and estrogen-treated rabbits. Iozzo RV, et al. **Am J Pathol** 1982 Apr;107(1):6–15

Effects of estrogen and progesterone on the spleen of the mouse: a light and electron microscopic study. Sasaki K, et al. **Arch Histol Jpn** 1981 Jul;44(3):203–13

Sex steroid hormones and systemic lupus erythematosus. Talal N. **Arthritis Rheum** 1981 Aug;24(8):1054–6

Reduction of proline transport in R3230AC mammary carcinomas by estrogens in vitro. Hilf R, et al. **Biochem Pharmacol** 1982 Jan 1;31(1):37–41

Hormonally responsive areas of the reproductive system of the male guinea pig. II. Effects of estrogens. Davies J, et al. **Biol Reprod** 1981 Dec;25(5):1149–58

Patterns of LH secretion in castrated bulls (steers) during intravenous infusion of androgenic and estrogenic steroids: pituitary response to exogenous luteinizing hormone-releasing hormone. D'Occhio MJ, et al. **Biol Reprod** 1982 Mar;26(2):249–57

Estrogen induction of progestin receptors in the hypothalamus of male and female rats which differ in their ability to exhibit cyclic gonadotropin secretion and female sexual behavior. Etgen AM. **Biol Reprod** 1981 Sep; 25(2):307–13

Comparison of luteinizing hormone surge responses to ovarian steroids in cyclic and spontaneously persistent estrous rats of middle age. Everett JW, et al. **Biol Reprod** 1982 May;26(4):663–72

Influence of estrogen-treated females on sexual behavior and male testosterone levels of a social group of rhesus monkeys during the nonbreeding season. Ruiz de Elvira MC, et al. **Biol Reprod** 1982 Jun;26(5):825–34

The differential susceptibility of gonococcal opacity variants to sex hormones. Salit IE. **Can J Microbiol** 1982 Mar; 28(3):301–6

The effects of androgens and estrogens on human prostatic cells in culture. Hudson RW. **Can J Physiol Pharmacol** 1981 Sep;59(9):949–56

Bromocriptine suppression of dispersed pituitary lactotrophs from estrogen-pretreated rats: a quantitative electron microscopic study. McComb DJ, et al. **Can J Physiol Pharmacol** 1982 Feb;60(2):154–9

Estrogen induced growth of human breast cancer cells (MCF-7) in athymic nude mice is enhanced by secretions from a transplantable pituitary tumor. Welsch CW, et al. **Cancer Lett** 1981 Dec;14(3):309–16

Hormonal regulation of net DNA synthesis in MCF-7 human breast cancer cells in tissue culture. Aitken SC, et al. **Cancer Res** 1982 May;42(5):1727–35

Effects of estrogens and antiestrogens on estrogen receptor dynamics and the induction of progesterone receptor in MCF-7 human breast cancer cells. Eckert RL, et al. **Cancer Res** 1982 Jan;42(1):139–44

Effects of steroids on the in vitro forward migration of human spermatozoa. Cheng CY, et al. **Contraception** 1981 Aug; 24(2):183–94

Structure and hormonal regulation of the ovalbumin gene cluster. O'Malley BW, et al. **Curr Top Cell Regul** 1981; 18:437–53

Structural variations of cervical cancer and its precursors under the influence of exogenous hormones. Dallenbach-Hellweg G. **Curr Top Pathol** 1981;70:143–70

Effect of some hormones on the lactate dehydrogenase (LDH) isoenzyme patterns of Holtzman rat mammary glands. Dutta S, et al. **Endocrinol Exp (Bratisl)** 1982; 16(2):135–9

Uterine plasminogen activator activity: modulation by steroid hormones. Kneifel MA, et al. **Endocrinology** 1982 Aug; 111(2):493–9

Estrogen stimulation of 3-o-methyl-D-glucose uptake in isolated rat hepatocytes. Madar Z, et al. **Endocrinology** 1982 Feb;110(2):330–5

Estrogen-insensitive progesterone receptors in a human breast cancer cell line: characterization of receptors and of a ligand exchange assay. Mockus MB, et al. **Endocrinology** 1982 May;110(5):1564–71

Progesterone and estrogen control of the response of rat uterine lysosomal cathepsin D activity to a deciduogenic stimulus. Moulton BC. **Endocrinology** 1982 Apr; 110(4):1197–202

Hormonal control of uterine growth: temporal relationships between estrogen administration and deoxyribonucleic acid synthesis. Mukku VR, et al. **Endocrinology** 1982 Aug; 111(2):480–7

Onset of gonadotropic hormone accumulation in the immature trout pituitary gland in response to estrogen or aromatizable androgen steroid hormones. Crim LW, et al. **Gen Comp Endocrinol** 1981 Jul;44(3):374–81

Effects of progesterone and estrogen on the histology of the oviduct of the garter snake, Thamnophis elegans. Mead RA, et al. **Gen Comp Endocrinol** 1981 Nov;45(3):345–54

Age differences in blood pressure and norepinephrine concentration in normotensive rats after higher doses of estrogen. Lew GM. **Gen Pharmacol** 1982;13(1):75–8

Serum and tissue sodium/potassium changes in estrogen treated female albino rats. Hasan W, et al. **Indian J Physiol Pharmacol** 1982 Jan–Mar;26(1):81–4

Effect of estrogens on bacterial adherence to HeLa cells. Sugarman B, et al. **Infect Immun** 1982 Feb;35(2):633–8

Lymphoid-organ variations and blastogenic responses of splenocytes in estrogen-progestogen treated virgin and multiparous mice. Rojo JM, et al. **Int J Clin Pharmacol Ther Toxicol** 1982 Mar;20(3):139–41

Influence of conjugated oestrogens on circulating oestradiol, oestrone, LH, FSH and prolactin levels in postmenopausal women. Luisi M, et al. **Int J Tissue React** 1981 Jun; 3(2):77–81

Estrogens induce lipoxygenase derivative formation in rabbit lens. Guivernau M, et al. **Invest Ophthalmol Vis Sci** 1982 Aug;23(2):214–7

Parietal cell estimation in estrogen-treated rats. Bolarinwa Y. **Isr J Med Sci** 1981 Nov;17(11):1077–8

Effects of estrogens and progesterone on GABA system in ovariectomized rat retina. Macaione S, et al. **Ital J Biochem** 1981 Jul–Aug;30(4):279–89

Estrogens augment the stimulation of ovarian aromatase activity by follicle-stimulating hormone in cultured rat granulosa cells. Adashi EY, et al. **J Biol Chem** 1982 Jun 10;257(11):6077–83

Mosaic structure and mRNA precursors of uteroglobin, a hormone-regulated mammalian gene. Snead R, et al. **J Biol Chem** 1981 Nov 25;256(22):11911–6

Cloning and structural characterization of an estrogen-dependent apolipoprotein gene. Wiskocil R, et al. **J Biol Chem** 1981 Sep 25;256(18):9662–7

Estrogens stimulate cell proliferation and induce secretory proteins in a human breast cancer cell line (T47D). Chalbos D, et al. **J Clin Endocrinol Metab** 1982 Aug;55(2):276–83

Oral contraceptive and postmenopausal estrogen effects on lipoprotein triglyceride and cholesterol in an adult female population: relationships to estrogen and progestin potency. Knopp RH, et al. **J Clin Endocrinol Metab** 1981 Dec; 53(6):1123–32

Comparative pharmacology of oestrogens and catechol oestrogens: actions on the immature rat uterus in vivo and in vitro. Franks S, et al. **J Endocrinol** 1982 Jul;94(1):91–8

The effect of female sex hormones on subgingival plaque. Jensen J, et al. **J Periodontol** 1981 Oct;52(10):599–602

Alterations in clinical chemistry measures associated with

oral contraceptive and estrogen use: the Lipid Research Clinics Program Prevalence Study. Cowan LD, et al. **J Reprod Med** 1982 May;27(5):275–82

Estrogen regulation of rat prostate androgen receptor. Bouton MM, et al. **J Steroid Biochem** 1981 Dec;15:403–8

Relationships between type I and II estradiol binding sites and estrogen induced responses. Clark JH, et al. **J Steroid Biochem** 1981 Dec;15:49–54

Inhibition of estrogen-induced proliferation of cultured rabbit uterine epithelial cells by a cell density-dependent factor produced by the same cells. Gerschenson LE, et al. **J Steroid Biochem** 1981 Oct;14(10):959–69

Biochemical analyses of separated epithelium and stroma from endometria of premenopausal and postmenopausal women receiving estrogen and progestins. King RJ, et al. **J Steroid Biochem** 1981 Oct;14(10):979–87

Regulation of the peptide elongation reaction on uterine ribosomes by estrogens. Whelly SM, et al. **J Steroid Biochem** 1982 Apr;16(4):495–501

Effects of angiotension II, thyroxine and estrogen on plasma renin substrate concentration and renin substrate production by the liver. Murakami E, et al. **Jpn Circ J** 1981 Sep;45(9):1078–82

Effect of gonadotropin and estrogen on changes in levels of prostaglandin in rat ovary. Inazu N, et al. **Jpn J Pharmacol** 1981 Apr;31(2):237–41

Effects of estrogen and progesterone on adrenoceptors and cyclic nucleotides in rat uterus. Kano T. **Jpn J Pharmacol** 1982 Jun;32(3):535–49

Effects of various oestrogens on circulating androgens and cortisol during replacement therapy in post-menopausal women. Helgason S, et al. **Maturitas** 1981 Dec;3(3–4):301–8

Blood pressure changes: oestrogens in climacteric women. Wren BG, et al. **Med J Aust** 1981 Nov 14;2(10):528–31

Oestrogen-induced increase in uterine cGMP content in vitro: effects of inhibitors of protein and RNA synthesis. Flandroy L, et al. **Mol Cell Endocrinol** 1982 Jan;25(1):49–54

The estrogen-induced vitellogenin synthesis in chicken liver after estrogen withdrawal or antiestrogen treatment. Gschwendt M, et al. **Mol Cell Endocrinol** 1982 Apr; 26(1–2):231–42

Female hormones and the postmenopausal endometrium [letter] **N Engl J Med** 1982 Jun 10;306(23):1424–5

Estrogen plus progestin in postmenopausal women [editorial] MacDonald PC. **N Engl J Med** 1981 Dec 31;305(27):1644–5

Effects of estrogens and progestins on the biochemistry and morphology of the postmenopausal endometrium. Whitehead MI, et al. **N Engl J Med** 1981 Dec 31; 305(27):1599–605

Effects of morphine and naloxone on inhibition by ovarian hormones of pulsatile release of LH in ovariectomized rats. Sylvester PW, et al. **Neuroendocrinology** 1982 Apr; 34(4):269–73

Demonstration of pregnancy-associated alpha 2-glycoprotein (alpha 2-PAG) in pregnant, estrogen-treated and breast cancer-bearing rats. Sarcione EJ, et al. **Oncodev Biol Med** 1981;2(5):345–54

Effects of Estrogen on Striatal Dopamine receptor function in male and female rats. Hruska RE, et al. **Pharmacol Biochem Behav** 1982 Feb;16(2):285–91

Induction of female sexual behavior by GTP in ovariectomized estrogen primed rats. Beyer C, et al. **Physiol Behav** 1982 Jun;28(6):1073–6

Facilitation of progesterone induced lordosis behavior by phosphodiesterase inhibitors in estrogen primed rats. Beyer C, et al. **Physiol Behav** 1981 Oct;27(4):731–3

Some effects of ovariectomy and estrogen replacement on body composition in the rat. Clark RG, et al. **Physiol Behav** 1982 Jun;28(6):963–9

Steroidal actions and voluntary drinking of ethanol by male and female rats. Messiha FS. **Prog Biochem Pharmacol** 1981; 18:205–15

Direct and indirect effects of estrogens on thyroidal economy of man. Zaninovich AA. **Prog Clin Biol Res** 1981;74:95–102 (35 ref.)

Fluid inhibition as a factor in estrogen-induced increase of prostatic weight in castrated rats. Corrales JJ, et al. **Prostate** 1981;2(4):337–58

An in vivo and in vitro structural-functional analysis of cervical mucus secretion. Nicosia SV. **Reproduccion** 1981 Oct–Dec;5(4):261–80

Effect of estrogens on beta-hydroxy-beta-methylglutaryl coenzyme A reductase activity and cholesterol levels. Abul-Hajj YJ. **Steroids** 1981 Jun;37(6):601–7

Inhibition of thrombin-neutralizing activity of antithrombin III by steroid hormones. Nagasawa H, et al. **Thromb Haemost** 1982 Apr 30;47(2):157–61

Inhibition of the availability of platelet factor 3 by increased concentration of lecithin in platelets caused by gonadal steroids. Lillienberg L, et al. **Thromb Res** 1981 Jun 1–25; 22(5–6):579–91

[Effect of estrogens on dopaminergic transmission] Di Paolo T, et al. **Union Med Can** 1981 Jul;110(7):627 (Eng. Abstr.) **(Fre)**

[Structural forms of carcinogenesis in the cervical region as an effect of exogenous hormones] Dallenbach-Hellweg G. **Pathologe** 1981 Dec;3(1):13–24 **(Ger)**

[Action of oestrogens on in vitro metabolism of trophoblast from human early pregnancy (author's transl)] Nagy P, et al. **Zentralbl Gynakol** 1982;104(2):111–6 (Eng. Abstr.) **(Ger)**

[Joint action of estrogens and progesterone on mammary tissue of the castrated and previously estrogen-treated female rat] Ragucci N, et al. **Arch Ostet Ginecol** 1980 Jul–Aug;85(4):231–40 **(Ita)**

[The action of testosterone on mammary tissue of the castrated female rat treated with estrogens] Ragucci N, et al. **Minerva Ginecol** 1980 Dec;32(12):1173–8 **(Ita)**

[Effect of neonatal estrogen-treatment on the thymus of mice (author's transl)] Harada S. **Kaibogaku Zasshi** 1981 Oct; 56(5):415–27 (Eng. Abstr.) **(Jpn)**

[The effects of androgen and estrogen on thymidine kinase and tissue plasminogen activator in the prostate of immature rats (author's transl)] Kudo H. **Nippon Naibunpi Gakkai Zasshi** 1982 Jan 20;58(1):33–48 (Eng. Abstr.) **(Jpn)**

PHYSIOLOGY

Investigations on hormone dependency of human mammary carcinomas transplanted into nude mice. Brünner N, et al. **Acta Obstet Gynecol Scand [Suppl]** 1981;101:37–8

Unopposed endogenous estrogens and the incidence of cancer in female reproductive organs. Johansson ED, et al. **Acta Obstet Gynecol Scand [Suppl]** 1981;101:17–9

Climacteric. Pearson L. **Am J Nurs** 1982 Jul;82(7):1098–102

Gonadotropin-induced desensitization of Leydig cells in vivo and in vitro: estrogen action in the testis. Nozu K, et al. **Ann NY Acad Sci** 1982;383:212–30

Immunologic and endocrine interrelationships in pregnancy. Siiteri PK, et al. **Biol Reprod** 1982 Feb;26(1):1–14 (99 ref.)

Oestrogens, dopamine and mood [letter] Cookson J. **Br J Psychiatry** 1981 Oct;139:365–6

Rat occipital cortical synapses after ovariectomy. Medosch CM, et al. **Exp Neurol** 1982 Jan;75(1):120–33

Exaggerated prolactin response of thyrotropin-releasing hormone in women with anovulatory cycles: possible role of endogenous estrogens and effect of bromocriptine. Peillon F, et al. **Fertil Steril** 1982 Apr;37(4):530–5

Effects of estrogen deprivation on brain estrogen and progestin receptor levels and the activation of female sexual behavior. Clark CR, et al. **Horm Behav** 1981 Sep; 15(3):289–98

A comparative study of the estrogenic effects of tamoxifen and 17 beta-estradiol in postmenopausal women. Helgason S, et al. **J Clin Endocrinol Metab** 1982 Feb;54(2):404–8

Drug-induced hyperprolactinaemia and discharges of luteinizing hormone evoked by oestrogen in ovariectomized rhesus monkeys. Martensz ND, et al. **J Endocrinol** 1982 Jan;92(1):111–22

Alpha adrenergic receptor subtypes in rabbit uterus: mediation of myometrial contraction and regulation by estrogens. Hoffman BB, et al. **J Pharmacol Exp Ther** 1981 Nov;219(2):290–5

Effect of female sex hormones on lithogenicity of bile. Nakagaki M, et al. **Jpn J Surg** 1982;12(1):13–8

The influence of anesthetics on the estrogen-induced afternoon prolactin surge. Althesin does not block the surge. Clarke WP, et al. **Life Sci** 1981 Jul 20;29(3):277–84

Regulation of calcitonin and parathyroid hormone secretion by oestrogens. Stevenson JC. **Maturitas** 1982 Apr;4(1):1–7

Sex difference in response to alphaxalone anaesthesia may be oestrogen dependent. Fink G, et al. **Nature** 1982 Jul 15;298(5871):270–2

Neurotransmitter modulation of steroid action in target cells that mediate reproduction and reproductive behavior. Nock B, et al. **Neurosci Biobehav Rev** 1981 Winter; 5(4):437–47

The role of estrogen and progesterone in the control of preputial gland sex attractant odors in the female rat. Lucas PD, et al. **Physiol Behav** 1982 Apr;28(4):601–7

Hormonal control of yolk protein synthesis in the amphibian liver: a model for the study of estrogen action. Wittliff JL, et al. **Prog Clin Biol Res** 1981;74:339–73 (41 ref.)

Hormonal control of accessory sex organ fibromuscular stroma. Mariotti A, et al. **Prostate** 1981;2(4):397–408

Effects of ovariectomy, castration, and chronic lithium chloride treatment on stereotyped behavior in rats. Verimer T, et al. **Psychopharmacology (Berlin)** 1981;75(3):273–6

[The regulation of the hypothalamo-hypophyso-ovarian fuction during the menstrual cycle in the normal woman. A scheme to explain the coordination and control of the secretion and release of gonadotrophins by LH-RH and oestrogens (author's transl)] Buvat J, et al. **J Gynecol Obstet Biol Reprod (Paris)** 1981;10(5):415–23 (55 ref.) (Eng. Abstr.) **(Fre)**

[Hormones and breast cancer. Current views] Molinatti GM, et al. **Minerva Med** 1982 Apr 21;73(17):1047–53 (57 ref.) **(Ita)**

[Various aspects of estrogenic function in the menopause. V. Histological examination of the corpus endometrium as a diagnostic test of estrogenic activity] Dzieciuchowicz L, et al. **Ginekol Pol** 1981 Sep;52(9):813–8 (Eng. Abstr.) **(Pol)**

[Model of hormonal regulation of the contractile activity of the fallopian tubes] Pobedinskii NM, et al. **Akush Ginekol (Mosk)** 1982 Apr;(4):9–12 (Eng. Abstr.) **(Rus)**

[Endocrine regulation of zygote implantation in mammals] Hicks-Gómez JJ. **Gac Med Mex** 1981 Dec;117(12):510–20 **(Spa)**

POISONING

Iatrogenic oestrogen poisoning in a Maltese terrier. Fogle B. **Vet Rec** 1981 Sep 5;109(10):201

[Demonstration of estradiol-17 beta receptors in the bone marrow of dogs] Elling H, et al. **Zentralbl Veterinarmed [A]** 1981;28(7):509–15 (Eng. Abstr.) **(Ger)**

SECRETION

Relationship between LH, FSH, and prolactin concentration and the secretion of androgens and estrogens by the preovulatory follicle in the ewe. Baird DT, et al. **Biol Reprod** 1981 Jun;24(5):1013–25

Estrogen and progesterone secretion by isolated cultured porcine thecal and granulosa cells. Stoklosowa S, et al. **Biol Reprod** 1982 Jun;26(5):943–52

Selective placental secretion of estrogens into fetal and maternal circulations. Walsh SW, et al. **Endocrinology** 1981 Dec;109(6):2152–9

LH stimulation of estrogen secretion by cultured rat granulosa cells. Wang C, et al. **Mol Cell Endocrinol** 1981 Oct;24(1):17–28

[The benign prostate hyperplasia (author's transl)] Hauri D. **Ther Umsch** 1982 Apr;39(4):243–8 (Eng. Abstr.) **(Ger)**

[Gonadotropic regulation of estrogen secretion by rat ovarian follicles (author's transl)] Usuki S. **Nippon Sanka Fujinka Gakkai Zasshi** 1982 Jul;34(7):863–72 (Eng. Abstr.) **(Jpn)**

THERAPEUTIC USE

Steroid receptor levels and prophylactic endocrine therapy of mammary carcinoma. Nordenskjöld B, et al. **Acta Obstet Gynecol Scand [Suppl]** 1981;101:49–51

Estrogen replacement therapy. Alcoff JM. **Am Fam Physician** 1982 Jun;25(6):183–6

Noncontraceptive health benefits of oral steroidal contraceptives. Mishell DR Jr. **Am J Obstet Gynecol** 1982 Mar 15;142(6 Pt 2):809–16

Postmenopausal estrogen use. Ryan KJ. **Annu Rev Med** 1982; 33:171–81

New aspects in the development of cytotoxic-linked estrogens for the control of breast neoplasia. Leclercq G. **Arch Geschwulstforsch** 1981;51(7):643–9

Scanning electron microscopy of the endometrial cell surface in postmenopausal women receiving oestrogen therapy. Thom MH, et al. **Br J Obstet Gynaecol** 1981 Sep; 88(9):904–13

Oestradiol: the predominant intranuclear oestrogen in the endometrium of oestrogen-treated postmenopausal women. Whitehead MI, et al. **Br J Obstet Gynaecol** 1981 Sep; 88(9):914–8

Factors in response to treatment of early postmenopausal bone loss. Christiansen C, et al. **Calcif Tissue Int** 1981; 33(6):575–81

A comparative study of the effect of oestrogen substitution therapy on breast development in girls with hypo- and hypergonadotrophic hypogonadism. Pertzelan A, et al. **Clin Endocrinol (Oxf)** 1982 Apr;16(4):359–68

Endocrine problems in the menopause. Hammond CB, et al. **Clin Obstet Gynecol** 1982 Mar;25(1):19–38 (119 ref.)

Menopause. Cohen AW. **Del Med J** 1982 Apr;54(4):227–30

Are estrogens effective in preventing fractures from postmenopausal osteoporosis? Strom BL. **Drug Ther** 1982; :67–80 (24 ref.)

Bromocriptine compared to long-acting estrogens in lactation prevention: clinical efficacy, prolactin secretion and coagulation parameters. Leleux D, et al. **Eur J Obstet Gynaecol Reprod Biol** 1981 Oct;12(4):235–42

The menopause: benefits and risks of estrogen–progestogen replacement therapy. Gambrell RD Jr. **Fertil Steril** 1982 Apr;37(4):457–74 (90 ref.)

Current status of estrogen therapy for the menopause. Hammond CB, et al. **Fertil Steril** 1982 Jan;37(1):5–25

Estrogen and exercise in prevention and treatment of osteoporosis. Aloia JF. **Geriatrics** 1982 Jun;37(6):81–5

Dissociation of LH and FSH Responses to LHRH during estrogen therapy of patients with ovarian failure. Linde R, et al. **Horm Metab Res** 1982 Mar;14(3):154–6

Family Practice Grand Rounds. Postmenopausal osteoporosis and estrogen therapy: who should be treated? Palma LF. **J Fam Pract** 1982 Feb;14(2):355–9

Estradiol and progesterone receptor concentrations and 17 beta-hydroxysteroid-dehydrogenase activity in estrogen-progestin stimulated endometrium of women with gonadal dysgenesis. Lübbert H, et al. **J Steroid Biochem** 1982 Aug;17(2):143–8

Endocrinological features and endometrial morphology in climacteric women receiving hormone replacement therapy. Grasso A, et al. **Maturitas** 1982 Apr;4(1):19–26

Conservative treatment of urinary incontinence in women with special reference to the use of oestrogens. Punnonen R, et al. **Maturitas** 1981 Dec;3(3–4):309–13

Serum concentrations of oestrone, oestradiol and oestriol during various oestrogen treatments. Rauramo L, et al. **Maturitas** 1981 Aug;3(2):183–6

Conjugated equine oestrogen versus placebo in the management of menopausal symptoms. Hailes JD, et al. **Med J Aust** 1981 Oct 3;2(7):340–2

Hormonal therapy and alterations of immunity in prostatic cancer. Ablin RJ. **Neoplasma** 1981;28(3):345–50

Estrogen treatment of dyskinetic disorders. Koller WC, et al. **Neurology (NY)** 1982 May;32(5):547–9

The effects of orchidectomy, estrogens, and cyproterone

acetate on plasma testosterone, LH, and FSH concentrations in patients with carcinoma of the prostate. Varenhorst E, et al. **Scand J Urol Nephrol** 1982;16(1):31–6

Oestrogen therapy without stilbenes. Jones DE, et al. **Vet Rec** 1982 May 8;110(19):441–3 (18 ref.)

[Estrogens and osteoporosis] Presl J. **Cesk Gynekol** 1981 Jun; 46(5):384–8 **(Cze)**

[Too tall young girls (author's transl)] Straková M, et al. **Cesk Gynekol** 1981 Dec;46(10):763–8 (Eng. Abstr.) **(Cze)**

[Effects of natural estrogen/gestagen and thiazide on cardiovascular risk factors in normal menopausal women. A 2-year double-blind placebo study] Christiansen C, et al. **Ugeskr Laeger** 1981 Aug 24;143(35):2230–4 (Eng. Abstr.) **(Dan)**

[Cyclic treatment of climacteric disorders with genuine estrogens] Bartl W, et al. **Gynakol Rundsch** 1982; 22(1):23–48 **(Ger)**

[Hormone therapy in the postmenopausal period. Balancing benefits and risks] Plotz EJ. **Gynakologe** 1982 Mar; 15(1):2–10 (67 ref.) **(Ger)**

[Is hormonal therapy still justified in imminent abortion? (author's transl)] Berle P, et al. **Z Geburtshilfe Perinatol** 1980 Oct;184(5):353–8 (Eng. Abstr.) **(Ger)**

[Modern developments in the diagnosis and therapy of prostatic cancer] Feustel A. **Z Urol Nephrol** 1981 Jul; 74(7):549–52 **(Ger)**

[Serum testosterone level in patients with advanced prostatic cancer during androgen suppressive treatment] Fossà SD, et al. **Tidsskr Nor Laegeforen** 1981 Oct 10;101(28):1570–3 (Eng. Abstr.) **(Nor)**

[Evaluation of Oestro-Feminal in post-castration syndrome in women] Samochowiec E, et al. **Ginekol Pol** 1981 May; 52(5):465–70 (Eng. Abstr.) **(Pol)**

TOXICITY

Biochemical and estrogenic activity of some diethylstilbestrol metabolites and analogs in the mouse uterus. Korach KS. **Adv Exp Med Biol** 1981;138:39–62

Interspecies response to carcinogens and oestrogens. Drill VA. **Food Cosmet Toxicol** 1981 Oct;19(5):607–10

Estrogenic activity of the insecticide chlordecone in the reproductive tract of birds and mammals. Eroschenko VP. **J Toxicol Environ Health** 1981 Nov–Dec;8(5–6):731–42 (31 ref.)

URINE

Urinary estrogens in postterm pregnancy. Khouzami VA, et al. **Am J Obstet Gynecol** 1981 Sep 15;141(2):205–11

Circulating gonadotrophins and urinary oestrogens in postmenopausal diabetic women. Quinn MA, et al. **Aust NZ J Obstet Gynaecol** 1981 Nov;21(4):234–6

Breast cancer: a comparison of response to endocrine therapy and oestrogen excretion patterns including unusual metabolites. Castagnetta L, et al. **Br J Cancer** 1981 Nov; 44(5):670–4

Studies on immunological assay of urinary estrogens. III. A new latex agglutination inhibition reaction method. Manita H, et al. **Chem Pharm Bull (Tokyo)** 1981 May;29(5):1335–43

Studies on immunological assay of urinary estrogens. IV. Comparison of the latex agglutination inhibition reaction method with gas chromatography-mass spectrometry. Manita H, et al. **Chem Pharm Bull (Tokyo)** 1981 Oct; 29(10):2915–9

Use of small urine samples to monitor pregnanediol excretion in normal women: measurement of pregnanediol to oestrogen ratios. Metcalf MG, et al. **Clin Chim Acta** 1981 Nov 11;116(3):401–4

Urinary oestrogens and pregnandiol in breast cancer patients. Zaki K, et al. **Endokrinologie** 1982 Feb;79(1):49–56

Effect of ampicillin or amoxycillin administration on plasma and urinary estrogen levels during normal pregnancy. Van Look PF, et al. **Eur J Obstet Gynaecol Reprod Biol** 1981 Oct;12(4):225–33

Pregnancy monitoring in diverse primate species by estrogen and bioactive luteinizing hormone determinations in small volumes of urine. Czekala NM, et al. **J Med Primatol** 1981; 10(1):1–15

Endocrine correlates of behavioural oestrus in the female giant panda (Ailuropoda melaneleuca) and associated hormonal changes in the male. Bonney RC, et al. **J Reprod Fertil** 1982 Jan;64(1):209–15

Diet and reproductive hormones: a study of vegetarian and nonvegetarian postmenopausal women. Armstrong BK, et al. **JNCI** 1981 Oct;67(4):761–7

Elevated urine estrogen and pregnanediol levels in daughters of breast cancer patients. Trichopoulos D, et al. **JNCI** 1981 Sep;67(3):603–6

A comparison of possible effects of acute and chronic stress on post-menopausal urinary oestrogen levels. Ballinger S. **Maturitas** 1981 Aug;3(2):107–13

Estrogen excretion in pregnant women with leprosy: evidence of diminished fetoplacental function. Duncan ME, et al. **Obstet Gynecol** 1982 Jul;60(1):82–6

Pregnancy after renal transplantation: estrogen secretion. Coulam CB, et al. **Transplantation** 1982 May;33(5):556–8

[A study on the time of collection of urine specimen for determination of E/C (author's transl)] Cao SY. **Chung Hua Fu Chan Ko Tsa Chih** 1982 Apr;17(2):112–5 **(Chi)**

[The application of amnioscopy and urinary estrogen/creatinine ratio in high-risk pregnancy (author's transl)] Li YR. **Chung Hua Fu Chan Ko Tsa Chih** 1982 Apr;17(2):71–3 **(Chi)**

[Prenatal diagnosis of anencephaly and open spina bifida by combined use of amniotic or maternal serum alpha-fetoprotein and maternal urine estrogen/creatinine ratio (author's transl)] Li SR. **Chung Hua I Hsueh Tsa Chih** 1981 Aug;61(8):449–54 (Eng. Abstr.) **(Chi)**

[The value of biochemical parameters in the prenatal diagnosis of intrauterine growth retardation] Holtorff J, et al. **Acta Univ Palacki Olomuc Fac Med** 1981;101:15–21 **(Ger)**

[Various aspects of estrogen activity in women in the postmenopausal period. VI. Enzyme activity of the blood] Dzieciuchowicz L. **Ginekol Pol** 1982 Jan–Feb;53(1–2):65–8 (Eng. Abstr.) **(Pol)**

[Estrogen/creatinine index in prolonged pregnancy] Krasomski G, et al. **Ginekol Pol** 1981 Jul;52(7):601–3 (Eng. Abstr.) **(Pol)**

[Changes in the excretion of various pregnancy hormones in gravidity complicated by EPH-gestosis] Krasomski G, et al. **Wiad Lek** 1982 Apr 15;35(2):125–7 (Eng. Abstr.) **(Pol)**

[Serotonin-5-hydroxyindoleacetic acid system and estrogen excretion in emesis gravidarum] Utkin VM, et al. **Akush Ginekol (Mosk)** 1982 Mar;(3):24–6 **(Rus)**

[Determination of the content of estrogens and their fractions in the urine of nonpregnant women] Csévári S, et al. **Lab Delo** 1982;(1):8–11 (Eng. Abstr.) **(Rus)**

[Cholesterol of high density lipoproteins in young women with physiologically and pathologically reduced urinary excretion of estrogens] Barats SS, et al. **Ter Arkh** 1982; 54(5):39–43 (Eng. Abstr.) **(Rus)**

[Role of steroid hormones in the pathogenesis of cancer of the corpus uteri] Shurygina EA, et al. **Vopr Onkol** 1982; 28(7):22–8 **(Rus)**

[Estrogen and gonadotropin values in physiological and artificial postmenopause] Rezaković-Musić D. **Lijec Vjesn** 1981 Jul;103(7):288–92 (Eng. Abstr.) **(Scr)**

[Determination of urinary estrogens in the high-risk fetus by a cross sectional study during the week of term pregnancy] Muñoz W, et al. **Rev Chil Obstet Ginecol** 1980; 45(4):187–94 **(Spa)**

[Rapid method for the measurement of urinary total estrogens (author's transl)] Fonseca ME, et al. **Rev Invest Clin** 1982 Jan–Mar;34(1):43–8 (Eng. Abstr.) **(Spa)**

ESTROGENS, CATECHOL see **CATECHOL ESTROGENS**

ESTROGENS, NON-STEROIDAL

Constituents of Cannabis sativa L. XXI: Estrogenic activity of a non-cannabinoid constituent. Wirth PW, et al. **Experientia** 1981 Nov 15;37(11):1181–2

METABOLISM

Stereochemical considerations in the binding of nonsteroidal estrogens to the estrogen receptor. Landvatter SW, et al. **Mol Pharmacol** 1981 Jul;20(1):43–51

ESTROGENS, SYNTHETIC

ADMINISTRATION & DOSAGE

Patients unresponsive to high doses of clomid [letter] Birnbaum MD. **Fertil Steril** 1982 May;37(5):717

ADVERSE EFFECTS

Oral contraception and breast pathology. Ragni N, et al. **Acta Eur Fertil** 1981 Jun;12(2):141–63 **(Eng, Ita)**

Anorexia nervosa associated with hormonal replacement therapy in an adolescent gonadal dysgenesis. Weizman R, et al. **Isr J Psychiatr Relat Sci** 1982;19(1):75–80

Ovarian hyperstimulation syndrome caused by clomiphene citrate. Holtz G, et al. **South Med J** 1982 Mar;75(3):368–9

[Possible interference of synthetic estroprogestins with thyroid hormone production] Paggi A, et al. **Clin Ter** 1981 Aug 31;98(4):349–63 (Eng. Abstr.) **(Ita)**

ANALYSIS

Colorimetric determination of some ethinyl steroids in pharmaceutical preparations. Belal S, et al. **Pharmazie** 1982 Apr;37(4):297–8

CHEMICAL SYNTHESIS

[Syntheses and evaluation of the potentially oestrophilic cytostatics 2,3-epoxy-3,4-bis-(4-acetoyphenyl)-4-hexene and 2,3,4,5-bisepoxy-3,4-bis-(4-acetoxyphenyl)hexane (author's transl)] Schneider MR, et al. **Arch Pharm (Weinheim)** 1982 Jun;315(6):515–9 (Eng. Abstr.) **(Ger)**

DIAGNOSTIC USE

The preovulatory follicular fluid in the human: influence of hormonal pretreatment (clomiphene-hCG) on some biochemical and biophysical variables. Menezo Y, et al. **Int J Fertil** 1982;27(1):47–51

METABOLISM

Characterization of the cytosolic estrogen receptor in rat skeletal muscle. Dahlberg E. **Biochim Biophys Acta** 1982 Jul 16;717(1):65–75

Radiotracers binding to estrogen receptors: I: Tissue distribution of 17 alpha-ethynylestradiol and moxestrol in normal and tumor-bearing rats. Feenstra A, et al. **J Nucl Med** 1982 Jul;23(7):599–605

[Specificity characteristics of estrogen interaction with the cytoplasmic receptors of the uterus and oviducts in green monkeys (Cercopithecus griseus)] Fanchenko ND, et al. **Vopr Med Khim** 1982 Jul–Aug;28(4):56–8 (Eng. Abstr.) **(Rus)**

PHARMACODYNAMICS

Effects in postmenopausal women of natural and synthetic estrogens on calcitonin and calcium-regulating hormone secretion. Relevance to postmenopausal osteoporosis. Whitehead MI, et al. **Acta Obstet Gynecol Scand [Suppl]** 1981;106:27–32

Agonistic and antagonistic effects of clomiphene citrate and its isomers. Clark JH, et al. **Biol Reprod** 1981 Oct; 25(3):667–72

Clomiphene citrate does not modify the exaggerated thyrotrophin response to thyrotrophin-releasing hormone occurring in primary testicular failure. Spitz IM, et al. **Clin Endocrinol (Oxf)** 1982 Feb;16(2):139–45

Differential stimulation by 17 beta-estradiol and synthetic estrogens of progesterone-receptor and of translocation of estrogen-receptor in rat pituitary and uterus. Leibl H, et al. **Endocrinology** 1982 Jan;110(1):265–71

Direct enhancement of gonadotropin-stimulated ovarian estrogen biosynthesis by estrogen and clomiphene citrate. Zhuang LZ, et al. **Endocrinology** 1982 Jun;110(6):2219–21

Moxestrol (R2858), estradiol benzoate, and sexual behavior of cynomolgus macaques (Macaca fascicularis). Glick BB, et al. **Horm Behav** 1982 Mar;16(1):59–65

The effect of clomiphene citrate on sex hormone binding globulin in normospermic and oligozoospermic men. Adamopoulos DA, et al. **Int J Androl** 1981 Dec;4(6):639–45

Effect of clomiphene treatment on the human testicular response to a single dose of hCG. Martikainen H, et al. **Int J Androl** 1981 Dec;4(6):628–38

Assessment of oestrogen and progestin effects on epithelium and stroma from pre- and postmenopausal endometria. King RJ, et al. **J Steroid Biochem** 1981 Dec;15:175–81

The agonistic-antagonistic properties of clomiphene: a review. Clark JH, et al. **Pharmacol Ther** 1981;15(3):467–519 (327 ref.)

[Plasma LH-RH secretion after administration of clomiphene citrate in hypogonadotropic hypogonadism (author's transl)] Fujbayashi S. **Horumon To Rinsho** 1982 Mar; 30(3):267–9 **(Jpn)**

[Studies on effects of endocrine therapy on hypothalamo-pituitary-testis axis in patients with prostatic carcinoma (author's transl)] Kitajima N. **Nippon Hinyokika Gakkai Zasshi** 1981 Nov;72(11):1429–49 (Eng. Abstr.) **(Jpn)**

[Evaluation of the skin resorptive action of synthetic estrogen hormones] Orlova TM, et al. **Gig Tr Prof Zabol** 1982 Jun; (6):18–21 (Eng. Abstr.) **(Rus)**

THERAPEUTIC USE

Hormonal pattern in prostatic cancer. II. Correlation with primary response to endocrine treatment. Adlercreutz H, et al. **Acta Endocrinol (Copenh)** 1981 Dec;98(4):634–40

A life-table analysis of pregnancy yield in fixed low-dose menotropin therapy for patients in whom clomiphene citrate failed to induce ovulation. Goldfarb AF, et al. **Fertil Steril** 1982 May;37(5):639–44

Induction of menarche by clomiphene citrate in a fifteen-year-old girl with the Prader-Labhart-Willi syndrome. Linde R, et al. **Fertil Steril** 1982 Jan;37(1):118–20

An extended regimen of clomiphene citrate in women unresponsive to standard therapy. Lobo RA, et al. **Fertil Steril** 1982 Jun;37(6):762–6

Ovulatory response to clomiphene citrate during bromocriptine-failed ovulation in amenorrhea-galactorrhea and hyperprolactinemia. Turksoy RN, et al. **Fertil Steril** 1982 Mar;37(3):441–4

Effect of oestrogen and progesterone on fasting serum cholesterol and triglyceride levels in post-menopausal women. Varma TR, et al. **Int J Gynaecol Obstet** 1982 Apr; 20(2):91–7

Cholesterol ester metabolism in plasma during estrogen and antiandrogen treatment in men with carcinoma of the prostate. Wallentin L, et al. **J Lab Clin Med** 1981 Dec; 98(6):906–16

Plasma androgen levels after subcapsular orchiectomy or estrogen treatment for prostatic carcinoma. Vermeulen A, et al. **Prostate** 1982;3(2):115–21

Prostatic carcinoma cured with hormonal treatment. A report of two cases. Johansson S, et al. **Scand J Urol Nephrol** 1981;15(3):321–2

Long-term effects of endocrine treatment on serum pituitary hormones in advanced prostatic carcinoma patients. Lukkarinen O, et al. **Scand J Urol Nephrol** 1981; 15(3):207–11

[Growth-inhibiting treatment with estrogenic hormones in girls] Steendijk R. **Ned Tijdschr Geneeskd** 1981 Aug 15; 125(33):1339–40 **(Dut)**

[Aspects for hormone therapy in prostate cancer] Gorski J, et al. **Z Urol Nephrol** 1981 Sep;74(9):635–41 (Eng. Abstr.)

(Ger)

ESTRONE

Enhancement by retinyl acetate of hormone-induced mammary tumorigenesis in female GR/A mice. Welsch CW, et al. **JNCI** 1981 Oct;67(4):935–8

Formation of covalent adducts between cortisol and 16 alpha-hydroxyestrone and protein: possible role in the pathogenesis of cortisol toxicity and systemic lupus erythematosus. Bucala R, et al. **Proc Natl Acad Sci USA** 1982 May;79(10):3320–4

ANALOGS & DERIVATIVES

Concentrations of 2-hydroxyoestrogens in human sera measured by a heterologous immunoassay with an 125I-labelled ligand. Berg D, et al. **Acta Endocrinol (Copenh)** 1982 May;100(1):154–60

Treatment with oral estrone sulphate in the female climacteric. III. Effects on bone density and on certain biochemical parameters. Lagrelius A. **Acta Obstet Gynecol Scand** 1981;60(5):481–8

Monitoring induction of ovulation by rapid radioimmunoassays of oestrogen and pregnanediol glucuronides. MacLean AR, et al. **Ann Clin Biochem** 1981 Nov;18(Pt 6):343–9

Intestinal first-pass effects of estrone sulfate and estrone in the rat. Schwenk M, et al. **Arzneimittelforsch** 1981; 31(8):1254–7

Effects of oestrogen administration on vitamin B6 and tryptophan metabolism in the rat. Bender DA, et al. **Br J Nutr** 1982 May;47(3):609–14

Factors affecting the 16 alpha-hydroxylation of estrone 3-sulfate by guinea pig liver microsomes. Tsoulis CJ, et al. **Can J Biochem** 1981 Jun;59(6):454–60

Determination of estrone sulfate in plasma by radioimmunoassay without deconjugation. Nambara T, et al. **Clin Chim Acta** 1982 Feb 26;119(1–2):81–7

Failure of 2-hydroxyoestrone to lower prolactin concentrations in hyperprolactinaemic women. Franks S, et al. **Clin Endocrinol (Oxf)** 1981 Oct;15(4):385–9

2-Hydroxyestrone suppresses and 2-methoxyestrone augments the preovulatory prolactin surge in the cycling rat. Katayama S, et al. **Endocrinology** 1982 Apr; 110(4):1448–50

The effect of catecholestrogens on the growth of prolactin-secreting pituitary tumors and normal prolactin synthesis in the rat. Lamberts SW, et al. **Endocrinology** 1982 Apr;110(4):1141–6

Induction and inhibition of uterine vasodilation by catechol estrogen in oophorectomized, nonpregnant ewes. Rosenfeld CR, et al. **Endocrinology** 1982 Apr;110(4):1333–9

Analysis of piperazine estrone sulfate in tablets by ion-pair high-performance liquid chromatography. Carignan G, et al. **J Chromatogr** 1982 Jan 1;234(1):240–3

Enhanced disparity of gonadotropin secretion by estrone in women with polycystic ovarian disease. Chang RJ, et al. **J Clin Endocrinol Metab** 1982 Mar;54(3):490–4

Metabolic clearance rate and conversion ratios of [3H]2-hydroxyestrone in normal men. Longcope C, et al. **J Clin Endocrinol Metab** 1982 Feb;54(2):374–80

Does 2-hydroxyestrone suppress prolactin in women? Merriam GR, et al. **J Clin Endocrinol Metab** 1982 Apr; 54(4):753–6

Stimulation of release of luteinizing hormone from cultured pituitary cells by 2- and 4-hydroxylated oestrogens. Franks S, et al. **J Endocrinol** 1981 Sep;90(3):433–6

Human testis does not secrete oestrone sulphate. Wu FC, et al. **J Endocrinol** 1982 Feb;92(2):185–94

Is oestrogen therapy effective in the treatment of menopausal depression? Coope J. **J R Coll Gen Pract** 1981 Mar; 31(224):134–40

Ovulation prediction: changes in the concentrations of urinary estrone-3-glucuronide, estradiol-17 beta-glucuronide and estriol-16 alpha-glucuronide during conceptional cycles. Branch CM, et al. **J Steroid Biochem** 1982 Feb;16(2):345–7

A sub-picogram competitive protein-binding method for biotinyloestrone. Exley D, et al. **J Steroid Biochem** 1981 Nov;14(11):1177–9

A comparison of the effects of 4-catechol oestrogens and 2-pyrogallol oestrogens on prostaglandin synthesis by the rat and human uterus. Kelly RW, et al. **J Steroid Biochem** 1981 Aug;14(8):787–91

Novel assay procedure for assessing ovarian function in women. Lindner HR, et al. **J Steroid Biochem** 1981 Dec; 15:131–6

The effect of alcohol on the in vitro absorption of estradiol and estrone sulphate in rat intestine. Martins OO, et al. **J Steroid Biochem** 1982 Feb;16(2):265–8

The plasma concentration of oestrone sulphate in postmenopausal women: lack of diurnal variation, effect of ovariectomy, age and weight. Noel CT, et al. **J Steroid Biochem** 1981 Nov;14(11):1101–5

The efficiency of different coupling procedures for the linkage of oestriol-16 alpha-glucuronide, oestrone-3-glucuronide and pregnanediol-3 alpha-glucuronide to four different enzymes. Rajkowski KM, et al. **J Steroid Biochem** 1981 Sep;14(9):861–6

A simple, rapid and reliable enzyme-linked immunosorbent assay (ELISA) for measuring estrone-3-glucuronide in urine. Shah HP, et al. **J Steroid Biochem** 1982 Feb; 16(2):283–6

Subcellular metabolism of [3H]-oestrone sulphate in human gestational myometrium. Trolp R, et al. **J Steroid Biochem** 1982 Apr;16(4):563–6

Estrogen sulfates in the plasma of White Leghorn laying hens. Tsang CP, et al. **Poult Sci** 1981 Nov;60(11):5248–50

Specificity studies of monoclonal and rabbit antibodies raised against steroid glucuronides. Samarajeewa P, et al. **Steroids** 1981 Dec;38(6):667–78

Blood test for equine cryptorchidism [letter] Cox JE. **Vet Rec** 1982 Feb 27;110(9):211

[A rapid radioimmunoassay of steroid-hormone using dried Staphylococcus aureus (author's transl)] Kono S, et al. **Horumon To Rinsho** 1981 Nov;29(11):1409–11 **(Jpn)**

[Specific radioimmunoassay and physiological significance of unconjugated 2-hydroxyestrone and 2-hydroxyestradiol-17 beta in human blood (author's transl)] Kono S. **Nippon Sanka Fujinka Gakkai Zasshi** 1982 Jun;34(6):794–800 (Eng. Abstr.) **(Jpn)**

ANALYSIS

The concentration of progesterone, 20 alpha-dihydroprogesterone, testosterone, oestrone and oestradiol-17 beta in serum, amniotic fluid and placental tissue of pregnant rabbits. Lau IF, et al. **Acta Endocrinol (Copenh)** 1982 Apr;99(4):605–11

Effect of sulprostone on concentrations of progesterone, 20 alpha-dihydroprogesterone, estrone, and estradiol in human placental tissue in the first trimester of pregnancy. Laatikainen T, et al. **Arch Gynecol** 1982;231(2):149–52

BIOSYNTHESIS

Biochemical evidence for aromatization of androgen to estrogen in the pituitary. Callard GV, et al. **Gen Comp Endocrinol** 1981 Jul;44(3):359–64

BLOOD

Sex steroids in bilharzial liver affection. 1. estrogens. Rizk AM, et al. **Acta Biol Med Ger** 1980;39(8–9):991–3

Time trend analysis of plasma unconjugated and sulfoconjugated estrone and 3 beta-delta 5-steroids in fetal and maternal sheep plasma in relation to spontaneous parturition at term. Nathanielsz PW, et al. **Endocrinology** 1982 Apr;110(4):1402–7

Estrogen synthesis in relation to estrone, estradiol, and vitellogenin plasma levels during the reproductive cycle of the female rainbow trout, Salmo gairdneri. van Bohemen CG, et al. **Gen Comp Endocrinol** 1981 Sep;45(1):105–14

Fetal death in utero: effect on estrone, estradiol-17 beta and progesterone levels in the ewe. Abrams RM, et al. **Gynecol Obstet Invest** 1982;13(3):177–83

Periparturient endocrine changes of conceptus and maternal units in Jersey cows bred for milk yield. Eley DS, et al. **J Dairy Sci** 1981 Feb;64(2):296–311

Plasma concentrations of oestrone, oestradiol, oestriol and progesterone during mechanical stretch-induced abortion at mid-trimester. Manabe Y, et al. **J Endocrinol** 1981 Dec; 91(3):385–9

Changes in plasma concentrations of oestrogens and progesterone in women during anaesthesia and gynaecological operations. Braunsberg H, et al. **J Steroid Biochem** 1981 Aug;14(8):749–55

Conjugated and unconjugated oestrogens in men with hyperoestrogenism and in normal men: the day-to-day variation and the relationship between the different oestrogens. Myking OL, et al. **J Steroid Biochem** 1981 Sep; 14(9):935–40

Potential 125I-iodinated tracers for radioimmunoassay of estrone. Pelc B, et al. **J Steroid Biochem** 1982 Jun; 16(6):731–5

Plasma androstenedione and oestrone levels before and after the menopause. II. Non-endocrine ovarian tumours and cysts. Mango D, et al. **Maturitas** 1982 Apr;4(1):43–8

Serum concentrations of oestrone, oestradiol and oestriol during various oestrogen treatments. Rauramo L, et al. **Maturitas** 1981 Aug;3(2):183–6

Plasma androstenedione and oestrone levels before and after the menopause. I. Glandular hyperplasia and adenocarcinoma of the endometrium. Scirpa P, et al. **Maturitas** 1982 Apr;4(1):33–42

Obese young men have elevated plasma estrogen levels but obese premenopausal women do not. Zumoff B, et al. **Metabolism** 1981 Oct;30(10):1011–4

METABOLISM

Intestinal first-pass effects of estrone sulfate and estrone in the rat. Schwenk M, et al. **Arzneimittelforsch** 1981; 31(8):1254–7

Uterine blood flow and uterine arterial, venous and luminal concentrations of oestrogens on days 11, 13 and 15 after oestrus in pregnant and non-pregnant sows. Ford SP, et al. **J Reprod Fertil** 1982 Jan;64(1):185–90

In vivo and in vitro metabolism of estrone and estradiol-17 beta and their 3-sulfates in pregnant female guinea pigs: a plausible prehormone role of estrogen-sulfates in the maternal uterus. Adessi GL, et al. **J Steroid Biochem** 1982 Jan;16(1):107–16

The in vitro metabolism of estrone and estradiol-17 beta and their 3-sulfates by the renal tissues from pregnant and female fetal guinea-pigs. Adessi GL, et al. **J Steroid Biochem** 1981 Dec;15:453–9

The pharmacokinetics of oestrone sulphate in the rat. Back DJ, et al. **J Steroid Biochem** 1981 Oct;14(10):1045–7

Inhibition of estrogen binding to rat alpha-fetoprotein by tryptophan p-nitrophenyl esters. Baker ME, et al. **J Steroid Biochem** 1982 Apr;16(4):503–7

Sites of in vivo extraction and interconversion of estrone and estradiol in the dog. Dupuy GM, et al. **Steroids** 1982 Feb;39(2):201–19

The specific binding of estradiol and estrone and the subsequent distribution of estrogen-receptor complexes within MCF-7 human breast cancer cells. MacIndoe JH, et al. **Steroids** 1982 Mar;39(3):245–58

PHARMACODYNAMICS

Enhanced responsiveness of lactotrophs in ectopic pituitaries to bromocryptine and estrone acetate. McComb DJ, et al. **Acta Anat (Basel)** 1981;110(2):113–20

Different effects of oestradiol, oestriol, oestetrol and of oestrone on human breast cancer cells (MCF-7) in long term tissue culture. Jozan S, et al. **Acta Endocrinol (Copenh)** 1981 Sep;98(1):73–80

The effect of estrogens on mixed function oxidase activity in healthy and injured liver. Kulcsár-Gergely J, et al. **Acta Pharm Hung** 1982 Jan;52(1):2–9

The effects of sex hormones, prolactin, and chorionic gonadotropin on pineal electrical activity in guinea pigs. Semm P, et al. **Cell Mol Neurobiol** 1981 Sep;1(3):259–69

Vitellogenin induction by estradiol in estrone-primed rainbow trout, Salmo gairdneri. Van Bohemen CG, et al. **Gen Comp Endocrinol** 1982 Jan;46(1):136–9

Modulation of food intake by hypothalamic implants of estradiol benzoate, estrone, estriol and CI-628 in female rats. Donohoe TP, et al. **Pharmacol Biochem Behav** 1982 Jan;16(1):93–9

Estrogen induced changes in uterine sensitivity for the decidual cell reaction: interactions between prostaglandin E2 and histamine or bradykinin. Power SG, et al. **Prostaglandins** 1982 Feb;23(2):219–26

PHYSIOLOGY

Estrone and estradiol participation during exogenous vitellogenesis in the female rainbow trout, Salmo gairdneri. van Bohemen CG, et al. **Gen Comp Endocrinol** 1982 Jan; 46(1):81–92

SECRETION

[Hormone activity of various Brenner tumors] Jaluvka V, et al. **Gynakol Rundsch** 1982;22(1):1–22 (106 ref.) **(Ger)**

THERAPEUTIC USE

[Evaluation of Oestro-Feminal in post-castration syndrome in women] Samochowiec E, et al. **Ginekol Pol** 1981 May; 52(5):465–70 (Eng. Abstr.) **(Pol)**

URINE

Urinary free and conjugated oestrone and oestradiol-17 beta in early infancy. Kuhnle U, et al. **Acta Endocrinol (Copenh)** 1982 May;100(1):150–3

[Various indicators of hormonal activity in pregnant women with cervix incompetence] Krauze M, et al. **Ginekol Pol** 1981 Aug;52(8):693–8 (Eng. Abstr.) **(Pol)**

ESTROUS CYCLE see **ESTRUS**

ESTRUS

Influence of blood removal under ether anaesthesia on the release of prolactin during the oestrous cycle in the rat. Involvement of the ovaries. Boehm N, et al. **Acta Endocrinol (Copenh)** 1982 Feb;99(2):179–86

Development of preovulatory follicles and oocytes during the oestrous cycle of mature and aged rats. Peluso JJ, et al. **Acta Endocrinol (Copenh)** 1982 Jul;100(3):434–43

Release of prostaglandin F2 alpha during the oestrous cycle. Kindahl H, et al. **Acta Vet Scand [Suppl]** 1981;77:143–58 (27 ref.)

Transient responses and continuous behavior of active smooth muscle during controlled stretches. Meiss RA. **Am J Physiol** 1982 Mar;242(3):C146–58

Evidence for a photoperiod-sensitive pacemaker for estrous cycle of the rat. Yochim JM, et al. **Am J Physiol** 1981 Sep;241(3):E261–7

Effects of sex hormones on some T and B cell functions, evidenced by differential immune expression between male and female mice and cyclic pattern of immune responsiveness during the estrous cycle in female mice. Krzych U, et al. **Am J Reprod Immunol** 1981;1(2):73–7

Biological actions of relaxin in pigs and beef cattle. Anderson LL, et al. **Ann NY Acad Sci** 1982;380:131–50 (53 ref.)

Dietary self-selection in cycling and neonatally ovariectomized rats. Geiselman PJ, et al. **Appetite** 1981 Jun; 2(2):87–101

Monitoring of the oestrus cycle in the rat by measurement of vaginal impedance. Taradach C. **Arch Toxicol [Suppl]** 1982;5:184–6

Quantitative alterations of the aerobic bacterial flora of the pouch of Setonix brachyurus (quokka) during oestrus, anoestrus, pregnancy and lactating anoestrus (pouch young). Charlick J, et al. **Aust J Exp Biol Med Sci** 1981

Dec;59(Pt 6):743–51

The vascular and microvascular anatomy of the rat uterus during the oestrous cycle. Rogers PA, et al. **Aust J Exp Biol Med Sci** 1981 Dec;59(Pt 6):667–79

Ovarian hormones and retention of learned fear in rats. Ebner DL, et al. **Behav Neural Biol** 1981 Sep;33(1):45–58

The unoccupied nuclear oestradiol receptor in the rat uterus and hypothalamus during the oestrous cycle. Thrower S, et al. **Biochem J** 1981 Mar 15;194(3):667–71

Luteinizing hormone release in the cat in response to coitus on consecutive days of estrus. Banks DH, et al. **Biol Reprod** 1982 May;26(4):603–11

Effects of the estrous cycle and early pregnancy on bovine uterine, luteal, and follicular responses. Bartol FF, et al. **Biol Reprod** 1981 Nov;25(4):759–76

Relationship between follicular size and antral fluid steroid concentrations at three stages of the estrous cycle in the ewe. England BG, et al. **Biol Reprod** 1981 Jun; 24(5):1068–75

Effect of riboflavin deficiency on estrous cyclicity in pigs. Esch MW, et al. **Biol Reprod** 1981 Oct;25(3):659–65

Comparison of luteinizing hormone surge responses to ovarian steroids in cyclic and spontaneously persistent estrous rats of middle age. Everett JW, et al. **Biol Reprod** 1982 May;26(4):663–72

Age effects on luteinizing hormone, progesterone and prolactin in proestrous and acyclic C57BL/6j mice. Flurkey K, et al. **Biol Reprod** 1982 Jun;26(5):835–46

Effect of ovarian autotransplantation to various locations on estrual cyclicity in gilts. Hagen DR, et al. **Biol Reprod** 1981 Sep;25(2):359–62

Regional and cyclic variations in catecholamine concentration of the human fallopian tube. Helm G, et al. **Biol Reprod** 1982 May;26(4):553–8

Prolactin in the marsupial Macropus eugenii, during the estrous cycle, pregnancy and lactation. Hinds LA, et al. **Biol Reprod** 1982 Apr;26(3):391–8

Demonstration of estrus-related odors in cow urine by operant conditioning of rats. Ladewig J, et al. **Biol Reprod** 1981 Jun;24(5):1165–9

Plasma and pituitary concentrations of LH, FSH, and prolactin in reproductively senescent chinese hamsters during various stages of the estrous cycle. Parkening TA, et al. **Biol Reprod** 1981 Nov;25(4):825–31

Formation of ovarian cysts in aged irregularly cycling rats. Peluso JJ, et al. **Biol Reprod** 1981 Jun;24(5):1183–90

Effects of complete hypothalamic deafferentation on the estrous phase of follicle-stimulating hormone release in the cyclic rat. Rush ME, et al. **Biol Reprod** 1982 Apr; 26(3):399–403

Role of the gonads in the histologic aging of the hypothalamic arcuate nucleus. Schipper H, et al. **Biol Reprod** 1981 Sep;25(2):413–9

Relaxin activity in the pregnant mare. Stewart DR, et al. **Biol Reprod** 1981 Sep;25(2):281–9

Uterine size and glycogen content in cycling and pregnant rats: influence of relaxin. Vasilenko P 3d, et al. **Biol Reprod** 1981 Aug;25(1):162–9

Prostaglandin F2alpha in the equine endometrium: steroid modulation and production capacities during the estrous cycle and early pregnancy. Vernon MW, et al. **Biol Reprod** 1981 Oct;25(3):581–9

Pituitary and ovarian function in postpartum beef cows. II. Endocrine changes prior to ovulation in suckled and nonsuckled postpartum cows compared to cycling cows. Walters DL, et al. **Biol Reprod** 1982 May;26(4):647–54

Ovarian activity, circulating hormones, and sexual behavior in the cat. I. Relationships during the coitus-induced luteal phase and the estrous period without mating. Wildt DE, et al. **Biol Reprod** 1981 Aug;25(1):15–28

Oestrus and pregnancy diagnosis by milk progesterone assay in the mare. Laitinen J, et al. **Br Vet J** 1981 Sep–Oct; 137(5):478–84

Diurnal variations of oestradiol-17beta in milk of cross-bred cows during oestrous cycle and early pregnancy. Pandey RS, et al. **Br Vet J** 1981 Nov;137(6):596–600

The luteinizing hormone releasing hormone (LHRH) neuronal networks of the guinea pig brain. III. The regulation of cyclic gonadotropin secretion. Krey LC, et al. **Brain Res** 1981 Dec 21;229(2):429–44

Involvement of GABA in the feedback action of estradiol on gonadotropin and prolactin release: hypothalamic GABA and catecholamine turnover rates. Mansky T, et al. **Brain Res** 1982 Jan 14;231(2):353–64

Altered hypothalamic dopamine depletion rate and LHRH content in noncyclic hamsters. Kumar MS, et al. **Brain Res Bull** 1982 Jan;8(1):33–6

Influence of the estrous cycle during carcinogen exposure on nitrosomethylurea-induced rat mammary carcinoma. Lindsey WF, et al. **Cancer Res** 1981 Oct;41(10):3857–62

Morphometric analysis of the autophagic and crinophagic lysosomal systems in mammotropes throughout the estrous cycle of the rat. Poole MC, et al. **Cell Tissue Res** 1981; 220(1):131–7

Serum gamma-globulin concentration in different stages of sexual activity in females of common vole, Microtus arvalis, Pall. Dobrowolska A. **Comp Biochem Physiol [A]** 1982; 71(3):465–7

Stage-dependent changes of chromosomal radiosensitivity in primary oocytes of the Chinese hamster. Mikamo K, et al. **Cytogenet Cell Genet** 1981;30(3):174–8

Uterine hydrogen peroxide concentrations and peroxidase activities in the estrous cycle and perimaturation period of mice. Katz J, et al. **Endocr Res Commun** 1982;9(1):47–54

Preovulatory changes in luteinizing hormone releasing hormone concentrations in peripheral plasma in constant estrous rats at induced ovulation. Takahashi M, et al. **Endocrinol Jpn** 1982 Feb;29(1):113–20

Luteinizing hormone-releasing hormone peptidase activities in discrete hypothalamic regions and anterior pituitary of the rat: apparent regulation during the prepubertal period and first estrous cycle at puberty. Advis JP, et al. **Endocrinology** 1982 Apr;110(4):1238–45

A detailed analysis of the serum luteinizing hormone secretory profile in conscious, free-moving female rats during the time of puberty. Andrews WW, et al. **Endocrinology** 1981 Dec;109(6):2032–9

Posterior pituitary lobectomy: differential elevation of plasma prolactin and luteinizing hormone in estrous and lactating rats. Ben-Jonathan N, et al. **Endocrinology** 1982 Jun; 110(6):1861–5

Anterior pituitary gland secretion after forebrain ablation: periovulatory gonadotropin release. Blake CA, et al. **Endocrinology** 1982 Sep;111(3):789–93

Alterations in the responsiveness of median eminence luteinizing hormone-releasing hormone nerve terminals to norepinephrine and prostaglandin E2 in vitro during the rat estrous cycle. DePaolo LV, et al. **Endocrinology** 1982 Jun;110(6):1999–2005

Dopaminergic receptors in the rat anterior pituitary change during the estrous cycle. Heiman ML, et al. **Endocrinology** 1982 Jul;111(1):37–41

Changes in Scatchard plots for insulin binding to mammary epithelial cells from cycling, pregnant, and lactating mice. Inagaki Y, et al. **Endocrinology** 1982 Jan;110(1):176–82

Differential changes in the rate and pattern of follicle-stimulating hormone secretion from pituitaries of cyclic rats superfused in vitro. Turgeon JL, et al. **Endocrinology** 1982 Jul;111(1):66–73

Pituitary LHRH receptors during puberty in the female rat: is the proestrous decline in receptor content due to occupancy? White SS, et al. **Endocrinology** 1982 Jul; 111(1):353–5

Immunoreactive substance P content in median eminence and pituitary gland during oestrus, dioestrus and after anterior hypothalamic deafferentation. Antonowicz U, et al. **Endokrinologie** 1982 Feb;79(1):25–34

Follicular growth, ovulatory phenomena and ventromedial nucleus lesions in the rat. Chateau D, et al. **Endokrinologie** 1981 Mar;77(3):257–68

The influence of the clock time of granulosa cells harvest from proestrus follicles, upon sensitivity to exogenous hormones. Madej E. **Endokrynol Pol** 1981 May-Jun; 32(3):265–73

Sex differences and estrous cycle variations in amphetamine-elicited rotational behavior. Becker JB, et al. **Eur J Pharmacol** 1982 May 7;80(1):65–72

Effect of testosterone and the oestrous cycle on neuronal refractory periods and firing rates of stria terminalis neurones in the female rat. Kendrick KM. **Exp Brain Res** 1981;44(3):331–6

In vivo GABA release from the medial preoptic area of diestrous and ovariectomized rats. Ondo J, et al. **Exp Brain Res** 1982;46(1):69–72

Changes in posterior pituitary oxytocin release in vitro during the estrous cycle of female rats. Pitzel L, et al. **Exp Brain Res** 1981;44(2):229–31

Radioimmunoassay of cortisol in blood of buffaloes (Bubalus bubalis) during the oestrous cycle. Rao LV, et al. **Experientia** 1981 Oct 15;37(10):1118–9

Variations in luteinizing hormone-releasing hormone receptors in pituitary cells from immature and mature cycling female rats. Meidan R, et al. **FEBS Lett** 1981 Sep 14;132(1):114–6

Influence of estrogen, progesterone and estrous cycle on gamma-glutamyltranspeptidase of rat endometrium. Tarachand U, et al. **FEBS Lett** 1982 May 17;141(2):210–2

Analysis of the estrous cycle of the laboratory-housed Senegal galago (Galago senegalensis senegalensis): natural and induced cycles. Darney KJ Jr, et al. **Folia Primatol (Basel)** 1982;37(1–2):106–26

Uterine epithelial and eosinophil estrogen receptors in rats during the estrous cycle. Lee SH. **Histochemistry** 1982; 74(4):443–52

Quantitative and qualitative cytochemical analysis of changes in polysaccharides-proteins in rat ovulable and atretic ovarian follicles during the estrous cycle. Zoller LC, et al. **Histochemistry** 1981 Dec;73(3):339–51

Light-dark entrainment of proestrous LH surges and circadian locomotor activity in female hamsters. Moline ML, et al. **Horm Behav** 1981 Dec;15(4):451–8

Serum insulin, free fatty acids and blood sugar during the estrous cycle of dogs. Renauld A, et al. **Horm Metab Res** 1982 Jan;14(1):4–7

Peripheral plasma levels of luteinizing hormone-releasing hormone-like immunoreactivity and luteinizing hormone in anestrous and ovariectomized sheep. Wheaton JE. **Horm Metab Res** 1982 May;14(5):268–71

Basal and GnRH-induced release and synthesis of LH and FSH from incubated pituitary glands throughout the 4-day estrous cycle of the rat. Apfelbaum ME. **Horm Res** 1981; 15(2):109–21

Male influence on estrous cycle in pituitary-grafted mice. Gangrade BK, et al. **Indian J Exp Biol** 1981 Sep;19(9):863–4

Role of contact stimuli in estrous cycle irregularities in unisexually grouped mice. Gangrade BK, et al. **Indian J Exp Biol** 1981 Jul;19(7):645–6

Plasma levels of copper, iron and zinc during the estrous cycle of the ewe. Hidiroglou M, et al. **Int J Vitam Nutr Res** 1982;52(1):75–9

Plasma gastrin level in rats during the estrous cycle. Bolarinwa Y. **Isr J Med Sci** 1981 Nov;17(11):1073–5

Aplastic anemia associated with estrus in pet ferrets. Kociba GJ, et al. **J Am Vet Med Assoc** 1981 Jun 15;178(12):1293–4

Effects of season and bread of sire on incidence of estrus and ovulation rate in sheep. Lamberson WR, et al. **J Anim Sci** 1982 Mar;54(3):533–9

Ovarian function in the cycling cow: relationship between gonadotropin binding to theca and granulosa and steroidogenesis in individual follicles. Merz EA, et al. **J Anim Sci** 1981 Jun;52(6):1457–68

Estrogen and progestogen binding in the myometrium of the ewe. I. During the estrous cycle. Rexroad CE Jr. **J Anim Sci** 1981 Oct;53(4):1057–69

Interval to estrus in sows and performance of pigs after alteration of litter size during late lactation. Stevenson JS, et al. **J Anim Sci** 1981 Jul;53(1):177–81

Estrus and fertility in lactating sows and piglet performance as influenced by limited nursing. Thompson LH, et al. **J Anim Sci** 1981 Dec;53(6):1419–23

Behavioral, ovarian and endocrine relationships in the pubertal bitch. Wildt DE, et al. **J Anim Sci** 1981 Jul; 53(1):182–91

Reproductive performance of gilts bred on first versus third estrus. Young LG, et al. **J Anim Sci** 1981 Jul;53(1):19–25

Porcine LH levels during the estrous cycle, gestation, parturition and early lactation. Ziecik A, et al. **J Anim Sci** 1982 Jun;54(6):1221–6

The response of the costo-uterine muscle of the rat to adrenoreceptor agonists during the oestrous cycle: a comparison with the uterine horn. Hartley ML, et al. **J Auton Pharmacol** 1981 Mar;1(2):133–40

Interrelationships with estrous behavior and conception in dairy cattle. De Silva AW, et al. **J Dairy Sci** 1981 Dec; 64(12):2409–18

Repeated acute stress during the follicular phase and luteinizing hormone surge of diary heifers. Stoebel DP, et al. **J Dairy Sci** 1982 Jan;65(1):92–6

Changes in the characteristics of pulsatile luteinizing hormone secretion during the oestrous cycle and after ovariectomy and oestrogen treatment in female rats. Higuchi T, et al. **J Endocrinol** 1982 Aug;94(2):177–82

Luteinizing hormone responses to repeated injections of luteinizing hormone releasing hormone in the rat during the oestrous cycle and after ovariectomy with or without oestrogen treatment. Higuchi T, et al. **J Endocrinol** 1982 May;93(2):161–8

Adrenocortical responses and changes during the oestrous cycle in mice: effects of male presence, male urine and housing conditions. Nichols DJ, et al. **J Endocrinol** 1981 Nov;91(2):263–9

Oxytocin concentrations in peripheral blood during the oestrous cycle and after ovariectomy in two breeds of sheep with low and high fecundity. Schams D, et al. **J Endocrinol** 1982 Jan;92(1):9–13

Androgen and oestrogen concentrations in the ovary of the cyclic rat. Toorop AI, et al. **J Endocrinol** 1982 Apr; 93(1):25–30

The anovulatory hamster: a comparison of the effects of short photoperiod and daily melatonin injections on the induction and termination of ovarian acyclicity. Stetson MH, et al. **J Exp Zool** 1981 Feb;215(2):173–8

Estrogen modulates neural control of muscle glucose 6-phosphate dehydrogenase. Schaerf FW, et al. **J Neurochem** 1982 Jun;38(6):1765–7

Effects of the oestrous cycle on the metabolism of arachidonic acid in rat isolated lung. Bakhle YS, et al. **J Physiol (Lond)** 1982 May;326:411–23

Myometrial activity in rats during the oestrous cycle and pseudopregnancy: interaction of oestradiol and progesterone. Downing SJ, et al. **J Physiol (Lond)** 1981 Aug;317:425–33

Acceleration and delay of sexual maturation in female house mice previously selected for early and late first vaginal oestrus. Drickamer LC. **J Reprod Fertil** 1981 Nov; 63(2):325–9

Uterine histology and reproductive cycles in pregnant and non-pregnant opossums, Didelphis virginiana. Fleming MW, et al. **J Reprod Fertil** 1981 Sep;63(1):21–4

Response of seasonally anoestrous ewes to small-dose multiple injections of Gn-RH with and without progesterone pretreatment. McLeod BJ, et al. **J Reprod Fertil** 1982 May;65(1):223–30

The induction of ovulation and luteal function in seasonally anoestrous ewes treated with small-dose multiple injections of Gn-RH. McLeod BJ, et al. **J Reprod Fertil** 1982 May; 65(1):215–21

Morphometric studies on ovarian follicles and corpora lutea during the oestrous cycle in the mouse. Numazawa A, et al. **J Reprod Fertil** 1982 Mar;64(2):275–83

Induction of oestrus, recovery of gametes, and the timing of fertilization events in the opossum, Didelphis virginiana. Rodger JC, et al. **J Reprod Fertil** 1982 Jan;64(1):159–69

Oestrogens and progestagens in rat ovarian follicles during the oestrous cycle. Szoltys M. **J Reprod Fertil** 1981 Sep; 63(1):221–4

Identification of stage-specific and hormonally induced polypeptides in the uterine protein secretions of the mare during the oestrous cycle and pregnancy. Zavy MT, et al. **J Reprod Fertil** 1982 Jan;64(1):199–207

Plasma progesterone in cattle. II. Levels during the oestrous cycle, pregnancy and parturition. Terblanche HM, et al. **J S Afr Vet Assoc** 1981 Sep;52(3):187–9

Plasma progesterone levels in the mare during the oestrous cycle and pregnancy. Terblanche HM, et al. **J S Afr Vet Assoc** 1981 Sep;52(3):181–5

How different procedures of blood removal affect blood progesterone concentration in the cyclic female rat. Boehm N, et al. **J Steroid Biochem** 1982 Feb;16(2):339–42

Plasma and pituitary concentrations of LH, FSH, and prolactin in aging C57BL/6 mice at various times of the estrous cycle. Parkening TA, et al. **Neurobiol Aging** 1982 Spring;3(1):31–5

Effects of aging on the activity of hypothalamic dopamine-beta-hydroxylase during various stages of the estrous cycle in C57BL/6 mice. Banerji TK, et al. **Neuroendocrinology** 1982 Jan;34(1):14–9

Effect of abdominal vagotomy on the estrous cycle of the rat and the induction of pseudopregnancy. Burden HW, et al. **Neuroendocrinology** 1981;33(4):218–22

TSH release during the estrous cycle of the rat: variations in responsiveness to cervicovaginal stimulation. Castro-Vazquez A, et al. **Neuroendocrinology** 1981; 33(4):193–8

Correlative surges of LHRH, LH and FSH in pituitary stalk plasma and systemic plasma of rat during proestrus. Effect of anesthetics. Ching M. **Neuroendocrinology** 1982 Apr; 34(4):279–85

Semicircadian rhythm of tuberoinfundibular dopamine neuronal activity during early pregnancy and pseudopregnancy in the rat. McKay DW, et al. **Neuroendocrinology** 1982 Mar;34(3):229–35

Effects of short-term constant light on the proestrous luteinizing hormone surge and pituitary responsiveness in the female rat. Watts AG, et al. **Neuroendocrinology** 1981 Sep;33(3):176–80

Discrete lesions reveal functional heterogeneity of suprachiasmatic structures in regulation of gonadotropin secretion in the female rat. Wiegand SJ, et al. **Neuroendocrinology** 1982 Jun;34(6):395–404

A detailed characterization of prolactin secretion patterns during daylight in individual cycling and pseudopregnant rats. Wiersma J. **Neuroendocrinology** 1981 Nov; 33(5):288–94

Postpartum copulation and induction of pregnancy in roof rats (Rattus rattus). Bean CA, et al. **Physiol Behav** 1981 Nov;27(5):785–9

Structure analysis of spontaneous behavior during the estrous cycle of the rat. Mullenix P. **Physiol Behav** 1981 Oct; 27(4):723–6

Stress related effects in the control of sexual receptivity and in the secretion of progesterone by the adrenals in cyclic female rats. Plas-Roser S, et al. **Physiol Behav** 1981 Aug; 27(2):261–4

Rostral medial preoptic area lesions' influence on female estrous processes and LHRH distribution. Popolow HB, et al. **Physiol Behav** 1981 Nov;27(5):855–61

Detailed analysis of estrous-related changes in wheel running and self-stimulation. Steiner M, et al. **Physiol Behav** 1982 Jan;28(1):201–4

Hamster activity and estrous cycles: control by a single versus multiple circadian oscillator(s). Carmichael MS, et al. **Proc Natl Acad Sci USA** 1981 Dec;78(12):7830–4

Variation in pineal melatonin content during the estrous cycle of the rat. Johnson LY, et al. **Proc Soc Exp Biol Med** 1982 Mar;169(3):416–9

An inverse linear correlation between uterine and ovarian levels of ornithine decarboxylase and S-adenosylmethionine decarboxylase in the rat. Nawata H, et al. **Proc Soc Exp Biol Med** 1981 Sep;167(4):563–6

Serum testosterone concentrations during the 4-day estrous cycle in normal and adrenalectomized rats. Rush ME, et al. **Proc Soc Exp Biol Med** 1982 Feb;169(2):216–21

Alterations in proestrous LH, FSH, and prolactin surges in middle-aged rats. Wise PM. **Proc Soc Exp Biol Med** 1982 Mar;169(3):348–54

Voluntary ethanol consumption, as a function of estrus, in adult Sinclair (S-1) miniature sows. Tumbleson ME, et al. **Prog Biochem Pharmacol** 1981;18:190–5

Effects of sex hormones on some T and B cell functions as evidenced by differential immune expression between male and female mice and cyclic pattern of immune responsiveness during the estrous cycle. Krzych U, et al. **Prog Clin Biol Res** 1981;70:145–50

Timing of the estrous cycle in rats. Endogenous peroxidase activity in the hypothalamic arcuate nucleus as a tool in circuit analysis. Rietveld WJ, et al. **Prog Clin Biol Res** 1981; 59C(00):213–21

Spontaneous motility and prostaglandin generation in rat uterine horns isolated during the estrous cycle. Franchi AM, et al. **Prostaglandins** 1981 Oct;22(4):637–42

Circulating concentrations of oxytocin during the estrous cycle and early pregnancy in sheep. Sheldrick EL, et al. **Prostaglandins** 1981 Oct;22(4):631–6

Prostaglandin biosynthesis by the rat uterus during the oestrus cycle, temporal correlation with plasma oestradiol and progesterone concentrations, identification of 6 keto PGF1 alpha as the major metabolite. Thaler-Dao H, et al. **Prostaglandins** 1982 Mar;23(3):347–59

Temporal relationships between peripheral plasma concentrations of oxytocin, progesterone and 13,14-dihydro-15-keto-prostaglandin F2 alpha during the oestrous cycle and early pregnancy in the ewe. Webb R, et al. **Prostaglandins** 1981 Sep;22(3):443–53

The timing and possible mechanisms of cervical opening in the oestrous rat. Foulkes A, et al. **Q J Exp Physiol** 1982 Jan;67(1):81–6

Fluid and electrolyte excretion in sheep: comparison of the effect of reduced food and water intake with oestrus. Michell AR. **Q J Exp Physiol** 1981 Oct;66(4):515–24

Endocrine profiles of sows during the oestrous cycle. Enne G, et al. **Reproduccion** 1981 Oct-Dec;5(4):217–28

Influence of female hormonal state on rhesus sexual behavior varies with space for social interaction. Wallen K. **Science** 1982 Jul 23;217(4557):375–7

Persistent oestrus in ferrets [letter] Buckwell AC. **Vet Rec** 1981 Jul 25;109(4):88

Effect of season on the oestrous cycle of cows (Bos indicus) indigenous to northern Nigeria. Zakari AY, et al. **Vet Rec** 1981 Sep 12;109(11):213–5

Vaginal electrical resistance in cows: 2. Relationship to milk progesterone concentrations during the reproductive cycle. McCaughey WJ, et al. **Vet Res Commun** 1981 Sep; 5(1):77–84

Functional morphology of thyrotropic and corticotropic cells during reproductive cycle in ewe. Hifny A, et al. **Z Mikrosk Anat Forsch** 1982;96(2):318–30

Cyclic morphological variations in the gonadotropic cells in the pituitary gland of ewe. Hifny A, et al. **Z Mikrosk Anat Forsch** 1982;96(2):303–17

[Induced preovulatory discharge of LH during the seasonal anoestrus of the goat (author's transl)] Pelletier J, et al. **C R Seances Acad Sci [III]** 1982 May 10;294(17):867–70 (Eng. Abstr.) **(Fre)**

[Morphological recovery in the polycystic ovaries of persistent-estrus rats induced by continuous illumination (author's transl)] Sawada T, et al. **Jikken Dobutsu** 1981 Oct;30(4):487–90 (Eng. Abstr.) **(Jpn)**

[The central mechanisms of sex steroidal modification of sleep circadian rhythm (author's transl)] Yamaoka S. **Tanpakushitsu Kakusan Koso** 1982 Jan 5;27(2):259–76 (40 ref.) **(Jpn)**

[Response of caracul sheep in anestrus to PMSG of varying biological quality] Klinskii IuD, et al. **Arch Exp Veterinarmed** 1982 Jan;36(1):35–40 (Eng. Abstr.) **(Rus)**

[Dynamics of dopamine-sensitivity of individual neurons in the preoptic area during the estrous cycle] Ignatkov VIa, et al. **Fiziol Zh SSSR** 1982 Mar;68(3):331–6 (Eng. Abstr.) **(Rus)**

[Dynamics of the content of estradiol cytoplasmic and nuclear receptors in the rat hypothalamus in the course of the estrous cycle and postnatal development] Peryshkova TA, et al. **Ontogenez** 1981;12(4):390–7 (Eng. Abstr.) **(Rus)**

[Role of the supraoptic nucleus in the estrus regulation in rats in local hypothermia] Avetisian AM, et al. **Probl Endokrinol (Mosk)** 1981;27(6):45–6 (Eng. Abstr.) **(Rus)**

[Gonadal endocrine function indicators during initial stages of postnatal ontogenesis of the female sable] Shul'gina NK, et al. **Probl Endokrinol (Mosk)** 1981;27(6):71–4 (Eng. Abstr.) **(Rus)**

[Thyroxine and progesterone levels in cows and heifers after administration of Oestrophan (Spofa) in the luteal phase of the cycle] Bekeová E, et al. **Vet Med (Praha)** 1982 Mar; 27(3):129–36 (Eng. Abstr.) **(Slo)**

[Effect of copulatory behavior at different periods of the ovarian cycle on ovulation and reproduction in the rat] Marcó J, et al. **Rev Med Univ Navarra** 1981 Dec; 25(4):49–52 (Eng. Abstr.) **(Spa)**

DRUG EFFECTS

Use of prostaglandins for synchronization of oestrus and treatment of prolonged dioestrus in mares. Allen WR. **Acta Vet Scand [Suppl]** 1981;77:227–39 (47 ref.)

Use of prostaglandin in cows with unobserved oestrus. Seguin BE. **Acta Vet Scand [Suppl]** 1981;77:343–52

Practical uses of prostaglandins in sheep and goats. Thimonier J. **Acta Vet Scand [Suppl]** 1981;77:193–208 (50 ref.)

Effects of (DTrp6-Des-Gly10-ProNH29)-luteinizing hormone-releasing hormone ethylamide on the estrous cycle, weight gain, and feed efficiency in feedlot heifers. Herschler RC, et al. **Am J Vet Res** 1981 Aug;42(8):1405–8

Effects of porcine relaxin in cycling and pregnant rats. Frieden EH, et al. **Ann NY Acad Sci** 1982;380:174–7

Effect of indomethacin on the interestrous interval of intact and hysterectomized pseudopregnant mice. Critser ES, et al. **Biol Reprod** 1981 Jun;24(5):1000–5

Corpus luteum function after indomethacin treatment during the estrous cycle and following hysterectomy in the gilt. Kraeling RR, et al. **Biol Reprod** 1981 Oct;25(3):511–8

Pituitary and ovarian function in postpartum beef cows. III. Induction of estrus, ovulation and luteal function with intermittent small-dose injections of GnRH. Walters DL, et al. **Biol Reprod** 1982 May;26(4):655–62

Effects of the resin and smoke condensate of Cannabis sativa on the oestrous cycle of the rat. Lares A, et al. **Bull Narc** 1981;33(3):55–61

Differential effect of althesin versus chloralose-urethane anesthesia on in vivo LHRH and LH release in the proestrous rat. Ching M. **Endocr Res Commun** 1982; 9(1):37–46

Intraventricular injection of follicle-stimulating hormone (FSH) during proestrus stimulates the rise in serum FSH on estrus in phenobarbital-treated hamsters through a central nervous system-dependent mechanism. Coutifaris C, et al. **Endocrinology** 1982 Jan;110(1):105–13

Effect of melatonin feeding on serum prolactin and gonadotropin levels and the onset of seasonal estrous cyclicity in sheep. Kennaway DJ, et al. **Endocrinology** 1982 May;110(5):1766–72

Induction of ovulation and normal luteal function by pulsed injections of luteinizing hormone in anestrous ewes. McNeilly AS, et al. **Endocrinology** 1982 Apr;110(4):1292–9

Responsiveness of dispersed rat luteal cells to luteinizing hormone and prolactin during the estrous cycle and early pseudopregnancy. Murakami N, et al. **Endocrinology** 1982 Aug;111(2):500–8

Pituitary gonadotropin-releasing hormone receptors on proestrus: effect of pentobarbital blockade of ovulation in the rat. Savoy-Moore RT, et al. **Endocrinology** 1981 Nov; 109(5):1360–4

Effect of pulsatile gonadotropin-releasing hormone on the release of luteinizing hormone and follicle-stimulating hormone in vitro by anterior pituitaries from lactating and cycling rats. Smith MS. **Endocrinology** 1982 Mar; 110(3):882–91

The contribution of gonadostatin (inhibin-F) to the control of gonadotropin secretion in a simulated estrous cycle in steroid-treated ovariectomized rats. Williams AT, et al. **Endocrinology** 1982 Jul;111(1):231–7

Effect of implanted progesterone pellets on plasma progestogen concentrations in anoestrous pony mares. Allen WE. **Equine Vet J** 1982 Jul;14(3):244–6

Glucocorticoid inhibition of estrus in ovariectomized pigs: relationship to progesterone action. Ford JJ, et al. **Horm Behav** 1981 Dec;15(4):427–35

Use of prostaglandin F2 alpha for induction of oestrus in suboestrus buffaloes Bubalus bubalis. Khurana NK, et al. **Indian J Exp Biol** 1981 Jul;19(7):653–5

Synchronization of ewes during anestrus: influence of time of year and interval to onset of estrus on conception rate. Lunstra DD, et al. **J Anim Sci** 1981 Aug;53(2):448–57

Fertilization and embryonic survival in ewes synchronized with exogenous hormones during the anestrous and estrous seasons. Lunstra DD, et al. **J Anim Sci** 1981 Aug; 53(2):458–66

Effect of adrenocorticotropin and cortisol on luteinizing hormone surge and estrous behavior of cows. Stoebel DP, et al. **J Dairy Sci** 1982 Jun;65(6):1016–24

Modulation of gonadal activity by timed injections of melatonin in pinealectomized or intact ferrets kept under two photoperiods. Carter DS, et al. **J Endocrinol** 1982 May; 93(2):211–22

Effects of single injections of bovine follicular fluid on gonadotrophin concentrations throughout the oestrous cycle of the rat. Hermans WP, et al. **J Endocrinol** 1982 Mar;92(3):425–32

Induction of cyclic ovarian activity in seasonally anoestrous ewes with exogenous GnRH. McNatty KP, et al. **J Reprod Fertil** 1982 Jan;64(1):93–6

Luteinizing hormone releasing hormone agonists induce ovulation in hypophysectomized proestrous rats: direct ovarian effect. Corbin A, et al. **Life Sci** 1981 Jul 13; 29(2):185–92

Morphometric study of the influence of 5-hydroxytryptophan on the activity of certain hypothalamic centers in rats as a function of the state of their sexual system. Danilova OA, et al. **Neurosci Behav Physiol** 1981 Jul-Aug;11(4):392–5

Effects of prenatal and neonatal androgen on estrous cyclicity and attractiveness of female hamsters. Landauer MR, et al. **Physiol Behav** 1981 Sep;27(3):419–24

Effects of systemic administration of indomethacin to cyclic ewes on endometrial concentrations of prostaglandins effects on estrous cycle length and on progesterone, luteinizing hormone and prolactin patterns. Kann G, et al. **Prostaglandins** 1982 Apr;23(4):527–41

Effect of prostaglandins and human chorionic gonadotropin on steroidogenesis by proestrous rat ovary in vitro. Kato K. **Prostaglandins Leukotrienes Med** 1982 Jun;8(6):579–92

Pharmacologic control of estrus in bitch and queen. Burke TJ. **Vet Clin North Am [Small Anim Pract]** 1982 Feb; 12(1):79–84 (12 ref.)

Induction of estrus and ovulation in the cat and dog. Chakraborty PK, et al. **Vet Clin North Am [Small Anim Pract]** 1982 Feb; 12(1):85–92 (19 ref.)

Use of fluprostenol to manage the equine estrous cycle. Copeland DD, et al. **VM SAC** 1981 Sep;76(9):1329–31

[Control of sex cycle functions in sheep using cloprostenol, an analog of prostaglandin F2a] Bankov N, et al. **Vet Med Nauki** 1982;19(2):63–70 (Eng. Abstr.) **(Bul)**

[Prevention of oestrus and/or pregnancy in dogs by methods other than ovariohysterectomy (author's transl)] Okkens AC, et al. **Tijdschr Diergeneeskd** 1981 Dec;106(23):1215–25 (Eng. Abstr.) **(Dut)**

[Experimental study of sulpiride-bromocriptine association on the female rat estrous cycle (author's transl)] Valli M, et al. **Ann Endocrinol (Paris)** 1981 Jan-Mar;42(1):49–55

(Eng. Abstr.) **(Fre)**

[Neuro-endocrine effects of chronic clonidine administration in rats] Valli M, et al. **C R Soc Biol (Paris)** 1982; 176(2):190-3 (Eng. Abstr.) **(Fre)**

[Study of three biocides (dimethoate, parathion ethyl and zineb) on female rat neuro endocrinological balance (author's transl)] Bentue-Ferrer D, et al. **Toxicol Eur Res** 1981 Nov;3(6):279-83 (Eng. Abstr.) **(Fre)**

[Efficacy of progesterone-PMSG treatment for estrus induction in sheep] Rommel W, et al. **Arch Exp Veterinarmed** 1982 Jan;36(1):141-9 (Eng. Abstr.) **(Ger)**

[Investigations on the increase of the reproduction rate in sows after the first litter by hormonal estrus induction (author's transl)] Richter L, et al. **DTW** 1982 Feb 5; 89(2):81-3 (Eng. Abstr.) **(Ger)**

[Estrus induction and synchronization in cattle by intravaginal progesterone application] Kupferschmied H, et al. **Schweiz Arch Tierheilkd** 1982 Jan;124(1):31-5 (Eng. Abstr.) **(Ger)**

[Estrus induction with megestrol acetate (MAP) in puerperal sows] Arbeiter K, et al. **Zentralbl Veterinarmed [A]** 1981; 28(9-10):737-41 (Eng. Abstr.) **(Ger)**

[Long-term effects of exposure to inhibitors of metal corrosion] Paustovskaia VV, et al. **Vrach Delo** 1981 Nov; (11):100-3 **(Rus)**

ESTRUS DETECTION see under **BREEDING**

ESTRUS SYNCHRONIZATION

Use of prostaglandins for synchronization of oestrus and treatment of prolonged dioestrus in mares. Allen WR. **Acta Vet Scand [Suppl]** 1981;77:227-39 (47 ref.)

Synchronization of estrus and reproductive performance of ewes treated with synthetic progestogens administered by subcutaneous ear implant or by intravaginal sponge pessary. Ainsworth L, et al. **J Anim Sci** 1982 Jun;54(6):1120-7

Synchronization of ewes during anestrus: influence of time of year and interval to onset of estrus on conception rate. Lunstra DD, et al. **J Anim Sci** 1981 Aug;53(2):448-57

Pregnancy rate among beef heifers from timed insemination following synchronization with a progestin treatment. Spitzer JC, et al. **J Anim Sci** 1981 Jul;53(1):1-6

Oestrus synchronization of dairy heifers - follow-up of the fertility of treated animals. Swensson T. **Nord Vet Med** 1981 Sep-Nov;33(9-11):470-5

Endocrine and ovarian changes in dairy cattle fed a low beta-carotene diet during an oestrus synchronisation regime. Jackson PS, et al. **Res Vet Sci** 1981 Nov; 31(3):377-83

Synchronisation of oestrus in buffaloes with a progesterone releasing intravaginal device. Rao AR. **Vet Rec** 1981 Aug 8;109(6):123

[Luteolytic effect of Estrumate in cattle as a function of the estrus phase and its suitability for estrus regulation] Döbeli M, et al. **Schweiz Arch Tierheilkd** 1981 Nov;123(11):587-95 (Eng. Abstr.) **(Ger)**

[Use of megestrol acetate for estrus synchronization in heifers] Bum V, et al. **Arch Exp Veterinarmed** 1982 Jan; 36(1):41-3 (Eng. Abstr.) **(Rus)**

[Use of the suisynchron and PMSG systems for the control of the reproductive function in swine under industrialized conditions on the '60th BSSR Anniversary' state farm] Kisliakov VI, et al. **Arch Exp Veterinarmed** 1982 Jan; 36(1):95-8 (Eng. Abstr.) **(Rus)**

[Use of mepregenol diacetate (Diamol), a gestagen preparation, for estrus synchronization in caracul sheep during mating season] Klinskii IuD, et al. **Arch Exp Veterinarmed** 1982 Jan;36(1):159-62 (Eng. Abstr.) **(Rus)**

DRUG EFFECTS

Pregnancy and peripheral plasma progesterone levels in cows inseminated after synchronization of estrus with prostaglandin F2 alpha. Bosu WT, et al. **Can Vet J** 1981 Mar;22(3):59-61

Ovarian activity and hormonal patterns in gilts fed allyl trenbolone. Redmer DA, et al. **J Anim Sci** 1981 Oct; 53(4):1088-94

Calving intervals of beef cows treated with either gonadotrophin releasing hormone or a progesterone releasing intravaginal device. Peters AR. **Vet Rec** 1982 May 29;110(22):515-7

METHODS

[Estrus induction and synchronization in cattle by intravaginal progesterone application] Kupferschmied H, et al. **Schweiz Arch Tierheilkd** 1982 Jan;124(1):31-5 (Eng. Abstr.) **(Ger)**

ETAZOLATE see under **NICOTINIC ACIDS**

ETHACRIDINE see under **ACRIDINES**

ETHACRYNIC ACID

ADMINISTRATION & DOSAGE

Arguments against a mediating role of the adenylate cyclase--cyclic AMP system in the ototoxic action of loop diuretics. Thalmann I, et al. **Laryngoscope** 1982 May; 92(5):589-93

ADVERSE EFFECTS

Potentiating effects of cisplatin and ethacrynic acid in ototoxicity. Komune S, et al. **Arch Otolaryngol** 1981 Oct; 107(10):594-7

Interpretation problems in identifying the nature of changes produced in the cochlear endolymph system. Bosher SK. **Scand Audiol [Suppl]** 1981;14 Suppl:51-61

Freeze-fracture studies of the stria vascularis following administration of ethacrynic acid to guinea pigs. Forge A. **Scand Audiol [Suppl]** 1981;14 Suppl:173-83

Comparison of the effects of furosemide and ethacrynic acid upon the cochlear function in the guinea pig. Syka J, et al. **Scand Audiol [Suppl]** 1981;14 Suppl:63-9

Critical appraisal of the experimental studies on the ototoxic interaction between ethacrynic acid and aminoglycoside antibiotics. A pharmacokinetical standpoint. Tran Ba Huy P, et al. **Scand Audiol [Suppl]** 1981;14 Suppl:225-32

BLOOD

Determination of ethacrynic and tienilic acid in plasma by gas--liquid chromatography--mass spectrometry. Stüber W, et al. **J Chromatogr** 1982 Jan 8;227(1):193-8

PHARMACODYNAMICS

The ototoxic interaction of viomycin, capreomycin and polymyxin B with ethacrynic acid. Davis RR, et al. **Acta Otolaryngol (Stockh)** 1982 Mar-Apr;93(3-4):211-7

Ultrastructure in the stria vascularis of the guinea pig following intraperitoneal injection of ethacrynic acid. Forge A. **Acta Otolaryngol (Stockh)** 1981 Nov-Dec; 92(5-6):439-57

Energetics of tubular sodium reabsorption sensitive to ethacrynic acid and ouabain. Sejersted OM, et al. **Am J Physiol** 1982 Mar;242(3):F254-60

Inhibition of some polymorphonuclear leukocyte functions by ethacrynic acid. Elferink JG, et al. **Biochem Pharmacol** 1982 Feb 1;31(3):443-8

Effects of several anions on ethacrynic acid high- and low-sensitive Mg-ATPase activities in microsomal fractions from rabbit cortical gray matter. Hara M, et al. **Biochem Pharmacol** 1982 Mar 1;31(5):877-9

Interaction of aminooxyacetic acid and ethacrynic acid with intense sound at the level of the cochlea. Kisiel DL, et al. **Hear Res** 1982-Feb;6(2):129-40

Effects of ethacrynic acid on the alpha-adrenergic control ov hepatic glycogenolysis. Jakob A, et al. **J Cardiovasc Pharmacol** 1982;4 Suppl 1:S68-71

Ethacrynic acid inhibits transcellular NaCl reabsorption in dog kidneys in doses of 1 to 10 mg.kg-1 and proximal bicarbonate-dependent reabsorption at higher doses. Steen PA, et al. **J Pharmacol Exp Ther** 1981 Nov;219(2):505-9

Relative effects of furosemide and ethacrynic acid on ion transport and energy metabolism in slices of rat kidney-cortex. van Rossum GD, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1981 Aug; 317(1):90-6

[The effect of ethacrynic acid and ouabain on the endolymphatic space of the frog (author's transl)] Morgenstern C, et al. **Arch Otorhinolaryngol** 1981; 230(2):133-4 (Eng. Abstr.) **(Ger)**

[Inhibition of chloride permeability and sodium transport in frog skin by mercusal and ethacrynic acid] Lavrova EA, et al. **Biofizika** 1981 Jul-Aug;26(4):651-6 (Eng. Abstr.) **(Rus)**

[Effect of ouabain and ethacrynic acid on ion transport and ATPase activity of rabbit gallbladder epithelial cells] Iaremenko MS, et al. **Fiziol Zh** 1981 Nov-Dec;27(6):768-74 (Eng. Abstr.) **(Rus)**

[Role of SH-groups in the pharmacology of the action of novurite and ethacrynic acid] Kantariia VA, et al. **Ukr Biokhim Zh** 1982;54(1):51-4 (Eng. Abstr.) **(Rus)**

TOXICITY

A biochemical mechanism of the ototoxic interaction between neomycin and ethacrynic acid. Orsulakova A, et al. **Acta Otolaryngol (Stockh)** 1982 Jan-Feb;93(1-2):43-8

The effects of low dose ethacrynic acid on the guinea pig cochlea with special reference to normal variations in the stria vascularis. Pollard TJ, et al. **Acta Otolaryngol (Stockh)** 1981 Sep-Oct;92(3-4):249-58

ETHAMBUTOL

ADMINISTRATION & DOSAGE

Tuberculosis treated with rifampicin, ethambutol and isoniazid: Danish tuberculosis trial 1972-1974. Engbaek HC, et al. **Eur J Respir Dis** 1982 Mar;63(2):84-93

[Results of 6-month and 9-month treatments with rifampin, isoniazid and ethambutol in cases of newly detected tuberculosis] Szymanski A, et al. **Rev Ig [Pneumoftiziol]** 1981 Jul-Sep;30(3):181-3 **(Rum)**

ADVERSE EFFECTS

Ethambutol-induced toxic epidermal necrolysis. Pegram PS Jr, et al. **Arch Intern Med** 1981 Nov;141(12):1677-8

Early diagnosis of Myambutol (ethambutol) ocular toxicity by electrophysiological examination. Trau R, et al. **Bull Soc Belge Ophtalmol** 1981;193:201-12

Ethambutol-induced thrombocytopenia. Rabinovitz M, et al. **Chest** 1982 Jun;81(6):765-6

Ocular toxicity of ethambutol. Mathur SS, et al. **Indian J Ophthalmol** 1981 Apr;29(1):19-21

Hydroxycobalamin for ethambutol-induced optic neuropathy [letter] Guerra R, et al. **Lancet** 1981 Nov 21;2(8256):1176

Hypersensitivity to ethambutol. Kerremans A, et al. **Tubercle** 1981 Sep;62(3):215-7

[Optic nerve damage caused by tuberculostatic agents] Polak BC, et al. **Ned Tijdschr Geneeskd** 1982 Mar 6;126(10):432-3 (Eng. Abstr.) **(Dut)**

[Subjective color desaturation test in the diagnosis of the effects of ethambutol on the anterior optic tract] Arruga J. **Bull Soc Ophtalmol Fr** 1982 Feb;82(2):189-92 (Eng. Abstr.) **(Fre)**

[Incidence of hepatotoxic side effects during antituberculous therapy (INH, RMP, EMB) in relation to the acetylator phenotype (author's transl)] Musch E, et al. **Klin Wochenschr** 1982 May 17;60(10):513-9 (Eng. Abstr.) **(Ger)**

[Importance of preventing retrobulbar optic neuropathy from ethambutol by the determination of zinc in the blood and by the Farnsworth test of color sense] Minutillo U, et al. **Arch Monaldi** 1980 Jul-Aug;35(4):217-28 (Eng. Abstr.) **(Ita)**

[Research on ocular disorders appearing in ethambutol therapy] Cernea P, et al. **Rev Chir [Oftalmol]** 1981 Jul-Sep; 25(3):209-12 (Eng. Abstr.) **(Rum)**

[Dynamics of various immunobiochemical and encephalographic indices during polychemotherapy of pulmonary tuberculosis patients] Sagalovich VIa, et al. **Probl Tuberk** 1982 Feb;(2):36-41 (Eng. Abstr.) **(Rus)**

ANALYSIS

[Determination of ethambutol in biological fluids] Zítková L, et al. **Probl Tuberk** 1981 Oct;(10):63-6 (Eng. Abstr.) **(Rus)**

METABOLISM

[A comparison of the pharmacokinetics of ethambutol administered as Tibutol tablets (Bracco, Milano) or Syntomen dragées (Chemie, Berlin)] Janku I, et al. **Cesk Farm** 1982 Mar;31(2):71-5 (Eng. Abstr.) **(Cze)**

PHARMACODYNAMICS

Synergistic effect of rifampin, streptomycin, ethionamide, and ethambutol on Mycobacterium intracellulare. Heifets LB. **Am Rev Respir Dis** 1982 Jan;125(1):43-8

Effects of ethambutol on accumulation and secretion of trehalose mycolates and free mycolic acid in Mycobacterium smegmatis. Kilburn JO, et al. **Antimicrob Agents Chemother** 1981 Sep;20(3):401-4

Sensitivity of opportunist mycobacteria to rifampicin and ethambutol. Yates MD, et al. **Tubercle** 1981 Jun; 62(2):117-21

[A study on the tubercle bacillus drug-resistance test for RFP, EB, 1321 Th and KM (author's transl)] Xiao XL. **Chung Hua Chieh Ho Ho Hu Hsi Hsi Chi Ping Tsa Chih** 1981 Aug;4(4):224-5 (Eng. Abstr.) **(Chi)**

POISONING

Acute isoniazid/ethambutol/rifampicin overdosage [letter] Ducobu J, et al. **Lancet** 1982 Mar 13;1(8272):632

THERAPEUTIC USE

Short-course (6-month) cooperative tuberculosis study in Poland: results 30 months after completion of treatment. Zierski M, et al. **Am Rev Respir Dis** 1981 Sep;124(3):249-51

The treatment of tuberculosis of the female genital tract with rifampicin, ethambutol, and isoniazid. Sutherland AM. **Arch Gynecol** 1981;230(4):315-9

[Computerized perimetry in infants treated with ethambutol (author's transl)] Gramer E, et al. **Klin Padiatr** 1982 Jan; 194(1):52-5 (Eng. Abstr.) **(Ger)**

[Treatment of advanced and complicated variants of osteoarticular tuberculosis with rifampin and ethambutol] Suleimanov I, et al. **Probl Tuberk** 1981 Dec;(12):49-52 (Eng. Abstr.) **(Rus)**

ETHAMOXYTRIPHETOL see under **ALCOHOL, ETHYL**

ETHAMSYLATE see under **BENZENESULFONATES**

ETHANE

ANALOGS & DERIVATIVES

1-Chloro-2,2,2-trifluoroethyl radical: Formation from halothane by human cytochrome P-450 in reconstituted vesicles and binding to phospholipids. Trudell JR, et al. **Biochem Biophys Res Commun** 1981 Sep 16;102(1):372-7

Toxicological testing of rats subjected to inhalation of diethylhydroxylamine, nitroethane, and diethylamine hydrogen sulfite. Heicklen J, et al. **Environ Res** 1981 Dec; 26(2):258-73

Chronic inhalation study of mice subjected to diethylhydroxylamine, nitroethane, and diethylamine

hydrogen sulfite. Heicklen J, et al. **Environ Res** 1982 Apr; 27(2):277–89

ANALYSIS

Lipid peroxidation in isolated rat hepatocytes measured by ethane and n-pentane formation. de Ruiter N, et al. **Arch Toxicol** 1982 Mar;49(3–4):265–73

ISOLATION & PURIFICATION

Ethane exhalation as an index of in vivo lipid peroxidation: concentrating ethane from a breath collection chamber. Lawrence GD, et al. **Anal Biochem** 1982 May 15; 122(2):283–90

ETHANE NITRILES see **ACETONITRILES**

ETHANEDIOLS see **ETHYLENE GLYCOLS**

ETHANEHYDROXYDIPHOSPHONATE see **SODIUM ETIDRONATE**

ETHANOL see **ALCOHOL, ETHYL**

ETHANOLAMINE AMMONIA-LYASE see under **AMMONIA-LYASES**

ETHANOLAMINE PHOSPHOGLYCERIDES see **PHOSPHATIDYLETHANOLAMINES**

ETHANOLAMINEPHOSPHOTRANSFERASE see under **PHOSPHOTRANSFERASES**

ETHANOLAMINES

The use of labetalol in anaesthesia. Scott DB. **Br J Clin Pharmacol** 1982 Jun;13(1 Suppl):133S–135S

ADMINISTRATION & DOSAGE

Intravenous labetalol in the treatment of severe hypertension. Cumming AM, et al. **Br J Clin Pharmacol** 1982 Jun;13(1 Suppl):93S–96S

Intravenous labetalol in severe hypertension. Dal Palu C, et al. **Br J Clin Pharmacol** 1982 Jun;13(1 Suppl):97S–99S

Ipratropium bromide and fenoterol by aerosolized solution. Jenkins CR, et al. **Br J Clin Pharmacol** 1982 Jul;14(1):113–5

Bronchodilator effects of nebulized fenoterol: a comparison with isoproterenol. Watanabe S, et al. **Chest** 1981 Sep; 80(3):292–9

The electrophysiological effects of intravenous labetalol in man. Harley A, et al. **Eur J Clin Pharmacol** 1981; 20(4):241–4

Clinical evaluation of labetalol alone and combined with chlorthalidone in essential hypertension: a double-blind multicentre controlled study. Lechi A, et al. **Eur J Clin Pharmacol** 1982;22(4):289–93

Comparison of labetalol, propranolol and hydralazine in hypertensive out-patients. van der Veur E, et al. **Eur J Clin Pharmacol** 1982;21(6):457–60

The short-term bronchodilator effects of fenoterol and ipratropium in asthma. Elwood RK, et al. **J Allergy Clin Immunol** 1982 May;69(5):467–73

Sclerotherapy of oesophageal varices using the fibreoptic endoscope. Yassin YM, et al. **J R Coll Surg Edinb** 1981 Nov;26(6):328–34

A comparison between aerosol and inhaled powder administration of fenoterol in adult asthmatics. Harris R, et al. **NZ Med J** 1981 Dec 9;94(697):421–2

Bronchospasmolytic effects of orciprenaline and fenoterol powder inhalation in anaesthetised dogs. Traunecker W. **Respiration** 1982;43(4):299–303

Effect of aerosol and oral fenoterol on histamine and methacholine challenge in asthmatic subjects. Salome CM, et al. **Thorax** 1981 Aug;36(8):580–4

[Treatment of bronchial obstruction with a combination of a selective beta adrenergic (fenoterol) and a cholinolytic agent (ipratropium)] Vondra V, et al. **Vnitr Lek** 1981 Nov; 27(11):1078–85 (Eng. Abstr.) **(Cze)**

[Risks and benefits of intravenous tocolysis in threatened premature labor with premature membrane rupture] Ruckhäberle KE, et al. **Zentralbl Gynakol** 1981; 103(23):1417–28 (Eng. Abstr.) **(Ger)**

[Effect of labetalol on the excretion of catecholamines and their metabolites in primary hypertension] Wocial B, et al. **Pol Tyg Lek** 1981 Aug 31;36(35):1337–9 (Eng. Abstr.) **(Pol)**

[Double-blind comparative study of oral clenbuterol (NAB 365) and orciprenaline in asthmatic patients] Stroescu V, et al. **Rev Med Interna [Med Interna]** 1982 Jan–Mar; 34(1):89–96 **(Rum)**

[Use of partusisten for preventing uterine inertia in women with a prolonged preliminary period] Gorovenko VN, et al. **Akush Ginekol (Mosk)** 1981 Nov;(11):53 **(Rus)**

ADVERSE EFFECTS

Cardiac, pulmonary and neuromuscular effects of clenbuterol and terbutaline compared with placebo. Whitsett TL, et al. **Br J Clin Pharmacol** 1981 Aug;12(2):195–200

Contact dermatitis from oleyl polypeptide in Xeruminex ear drops. Kroon S. **Contact Dermatitis** 1981 Sep;7(5):271–2

The influence of long term beta-mimetic drug administration during pregnancy on blood loss postpartum. Essed GG, et al. **Eur J Obstet Gynecol Reprod Biol** 1982 May; 13(3):159–68

SLE syndrome, probably induced by labetalol. Brown RC, et al. **Postgrad Med J** 1981 Mar;57(665):189–90

[The effect of fenoterol on the incidence of arrhythmias during Caesarean section (author's transl)] Traub E, et al. **Geburtshilfe Fraunheilkd** 1982 Jan;42(1):11–5 (Eng. Abstr.) **(Ger)**

[The cardiac hazard of tocolysis and antagonising possibilities. I. The haemodynamic situation of the patient during tocolysis/Protection of the myocardium by means of cardioselective beta-blockade. Experimental results (author's transl)] Wischnik A, et al. **Geburtshilfe Fraunheilkd** 1982 Apr;42(4):286–90 (Eng. Abstr.) **(Ger)**

[Occurrence of pulmonary oedemas without myocardial necroses under beta 2-sympathomimetic therapy with fenoterol (experimental investigations in the rabbit (author's transl)] Grospietsch G, et al. **Z Geburtshife Perinatol** 1980 Oct;184(5):328–38 (Eng. Abstr.) **(Ger)**

[Investigations in animal experiments into the influence of the beta-1-selective blocking agent metoprolol on the cardiovascular and metabolic side effects of the tocolytic fenoterol] Strigl R, et al. **Z Geburtshife Perinatol** 1981 Dec; 185(6):313–20 (Eng. Abstr.) **(Ger)**

[Damage of fetal myocardium by beta-mimetics? (author's transl)] Oddoy A, et al. **Zentralbl Gynakol** 1981; 103(23):1429–34 (Eng. Abstr.) **(Ger)**

[Deterioration of ventilation parameters following inhalation of fenoterol and salbutamol] Szafrański W. **Pol Arch Med Wewn** 1981 Jan;65(1):41–7 (Eng. Abstr.) **(Pol)**

[Bronchial asthma. Its treatment in the emergency ward (letter)] Diez Jarilla JL, et al. **Med Clin (Barc)** 1981 Oct 10;77(6):262–3 **(Spa)**

ANALYSIS

Phosphorylcholine and phosphorylethanolamine concentrations in the lens. Zelenka PS, et al. **Exp Eye Res** 1982 Feb;34(2):209–17

BLOOD

Radioreceptor assay for labetalol [letter] Kelly JG, et al. **Br J Clin Pharmacol** 1981 Aug;12(2):258–60

Labetalol steady-state pharmacokinetics in hypertensive patients. McNeil JJ, et al. **Br J Clin Pharmacol** 1982 Jun; 13(1 Suppl):75S–80S

Determination of the alpha,beta-adrenoceptor blocker YM-09538 in plasma by high-performance liquid chromatography with fluorescence detection. Kamimura H, et al. **J Chromatogr** 1981 Sep 11;225(1):115–21

Sensitive high-performance liquid chromatographic method for the determination of labetalol in human plasma using fluorimetric detection. Oosterhuis B, et al. **J Chromatogr** 1981 Nov 13;226(1):259–65

The determination of labetalol in plasma by high-performance liquid chromatography using fluorescence detection. Meredith PA, et al. **J Pharmacol Methods** 1981 Dec;6(4):309–14

High pressure liquid chromatography on labetalol in serum or plasma. Woodman TF, et al. **Ther Drug Monit** 1981; 3(4):371–5

CHEMICAL SYNTHESIS

Arylethanolamines derived from salicylamide with alpha- and beta-adrenoceptor blocking activities. Preparation of labetalol, its enantiomers, and related salicylamides. Clifton JE, et al. **J Med Chem** 1982 Jun;25(6):670–9

DIAGNOSTIC USE

[Cardiocirculatory function test with 1-(3,5-dimethoxy-4-hydroxyphenyl)-2-monomethylamin hydrochloride: a modification of the Rehn test] Stramba-Badiale M, et al. **Clin Ter** 1981 Mar 31;96(6):643–6 **(Ita)**

[Effect of ethanolamine on corticosterone concentration in experimental myocardial hyperfunction in the white rat] Giul'baiazian TA, et al. **Vopr Med Khim** 1982 Mar–Apr; 28(2):47–9 (Eng. Abstr.) **(Rus)**

METABOLISM

Age dependent variations in choline and ethanolamine phosphorylating activities of rodents. Upreti RK. **Biochem Exp Biol** 1980;16(3):221–6

The influence of food on the oral and intravenous pharmacokinetics of a high clearance drug: a study with labetalol. Daneshmend TK, et al. **Br J Clin Pharmacol** 1982 Jul;14(1):73–8

Defective hydroxylation of bufuralol associated with side-effects of the drug in poor metabolisers [letter] Dayer P, et al. **Br J Clin Pharmacol** 1982 May;13(5):750–2

Bioavailability of labetalol increases with age. Kelly JG, et al. **Br J Clin Pharmacol** 1982 Aug;14(2):304–5

Elimination kinetics of labetalol in severe renal failure. Wood AJ, et al. **Br J Clin Pharmacol** 1982 Jun;13(1 Suppl):81S–86S

Urinary excretion of N-nitrosodiethanolamine in rats following its epicutaneous and intratracheal administration and its formation in vivo following skin application of diethanolamine. Preussmann R, et al. **Cancer Lett** 1981 Aug; 13(3):227–31

Metabolism and disposition of sulfinalol in laboratory animals. Benziger DP, et al. **Drug Metab Dispos** 1981 Nov–Dec; 9(6):493–8

The genetic control of bufuralol metabolism in man. Dayer P, et al. **Eur J Drug Metab Pharmacokinet** 1982 Jan–Mar; 7(1):73–7

Comparison of o-octopamine and related phenylethanolamines as substrates for norepinephrine N-methyltransferase. Fuller RW, et al. **Res Commun Chem Pathol Pharmacol** 1981 Aug; 33(2):207–13

PHARMACODYNAMICS

The use of labetalol in producing deliberate hypotension and its effects on intracranial pressure in dogs. Van Aken H, et al. **Acta Anaesthesiol Belg** 1982;33(1):5–12

Improved deep controlled hypotension in aneurysmal surgery. Lüben V, et al. **Acta Neurochir (Wien)** 1982; 60(3–4):201–14

The use of orthogonal coordinates and selection of variables and groups in quantitative structure–activity relationships. 1-(9-Phenanthrenyl)-2-(N-alkylamino)ethanol antimalarials reinvestigated. Berntsson P. **Acta Pharm Suec** 1981;18(3):149–78

Quantification of the synergism between fenoterol and ipratropium bromide in the counteraction of experimental bronchospasm. Schiantarelli P, et al. **Agents Actions** 1981 Dec;11(6–7):693–8

Effects of the tocolytic agent fenoterol on body weight, urine excretion, blood hematocrit, hemoglobin, serum protein, and electrolyte levels in nonpregnant rabbits. Grospietsch G, et al. **Am J Obstet Gynecol** 1982 Jul 15;143(6):667–72

Comparison of airway obstruction induced by propranolol and YM-09538 (a combined alpha- and beta-adrenoceptor blocking drug). Tomioka K, et al. **Arch Int Pharmacodyn Ther** 1982 Mar;256(1):97–107

The reaction of ethanolamine O-sulphate with 4-aminobutyrate aminotransferase. Fowler LJ, et al. **Biochem J** 1981 Jul 1;197(1):149–54

A review of the haemodynamic effects of labetalol in man. Cohn JN, et al. **Br J Clin Pharmacol** 1982 Jun;13(1 Suppl):19S–26S

Rapid reduction of blood pressure with acute oral labetalol. Davies AB, et al. **Br J Clin Pharmacol** 1982 May; 13(5):705–10

Response of the systemic pulmonary circulation to labetalol at rest and during exercise. Fagard R, et al. **Br J Clin Pharmacol** 1982 Jun;13(1 Suppl):13S–17S

Renal haemodynamics after chronic treatment with labetalol and propranolol. Malini PL, et al. **Br J Clin Pharmacol** 1982 Jun;13(1 Suppl):123S–126S

Blood pressure response to labetalol in twice and three times daily administration during a 24-hour period. Mancia G, et al. **Br J Clin Pharmacol** 1982 Jun;13(1 Suppl):27S–35S

Blood pressure, body fluid volumes and glomerular filtration rate during treatment with labetalol in essential hypertension. Rasmussen S, et al. **Br J Clin Pharmacol** 1981 Sep;12(3):349–53

The effect of labetalol and propranolol on the pressor response to sexual arousal in women. Riley AJ, et al. **Br J Clin Pharmacol** 1981 Sep;12(3):341–4

Acute effect of an antihypertensive drug, labetalol, on uteroplacental blood flow. Lunell NO, et al. **Br J Obstet Gynaecol** 1982 Aug;89(8):640–4

Haemodynamic advantages of combined alpha-blockade and beta-blockade over beta-blockade alone in patients with coronary heart disease. Taylor SH, et al. **Br Med J [Clin Res]** 1982 Jul 31;285(6338):325–7

Electrophysiological effects of labetolol on rabbit atrial, ventricular and Purkinje cells, in normoxia and hypoxia. Vaughn Williams EM, et al. **Cardiovasc Res** 1982 May; 16(5):233–9

Bronchial smooth muscle tone in normal subjects [letter] McIntyre E, et al. **Chest** 1982 Mar;81(3):396

Intravenous pirbuterol. Leier CV, et al. **Clin Pharmacol Ther** 1982 Jan;31(1):89–94

The effect of the beta-mimetic drug clenbuterol on maternal and fetal behaviour. Wladimiroff JW, et al. **Eur J Obstet Gynecol Reprod Biol** 1982 Mar;13(2):67–74

Influence of labetalol, propranolol and practolol in patients with asthma. Larsson K. **Eur J Respir Dis** 1982 May; 63(3):221–30

Effects of phosphoethanolamine and ethanolamine on growth of mammary carcinoma cells in culture. Kano-Sueoka T, et al. **Exp Cell Res** 1981 Nov;136(1):137–45

Enhancement of the sensitivity of hamster check pouch arterioles to beta-adrenergic stimulus during pregnancy. Zsolnai B, et al. **Experientia** 1982 Apr 15;38(4):478–9

Modulation of mammalian cell growth by a choline analog, N-isopropylethanolamine. Borman LS. **In Vitro** 1982 Feb; 18(2):129–40

Inhibition of permeability-dependent Ca2+ release from mitochondria by N-acylethanolamines, a class of lipids synthesized in ischemic heart tissue. Epps DE, et al. **J Biol Chem** 1982 Feb 10;257(3):1383–91

Interaction of N-substituted ethanolamine analogs with ethanolamine ammonia-lyase, an adenosylcobalamin-requiring enzyme. Graves SW, et al. **J Biol Chem** 1982 Apr 25;257(8):4102–5

Endocrine and metabolic effects of labetalol in man. Barbieri C, et al. **J Cardiovasc Pharmacol** 1981 Sep–Oct;3(5):986–91

Hemodynamic changes after acute and long-term combined alpha--beta-adrenoceptor blockade with labetalol as compared with beta-receptor blockade. Koch G.
J Cardiovasc Pharmacol 1981;3 Suppl 1:S30-41 (15 ref.)

Comparison of cardiorespiratory effects of procaterol and salbutamol in asthmatic patients. Youngchaiyud P.
J Med Assoc Thai 1982 Feb;65(2):86-94

A regional study of 4-aminobutyrate metabolism and amino acid levels in rat brain following chronic oral administration of ethanolamine O-sulphate. Fletcher A, et al. **J Neurochem** 1982 Apr;38(4):1022-8

In vitro changes in gamma-aminobutyric acid output from the cerebral cortex induced by inhibitors of gamma-aminobutyric acid uptake and metabolism. Moroni F, et al. **J Neurochem** 1982 Aug;39(2):582-4

Does the administration of the calcium-antagonist verapamil in tocolysis with beta-sympathicomimetics still make sense? Strigl R, et al. **J Perinat Med** 1981;9(5):235-47

Effects of orally administered ritodrine and terbutaline on oxytocin-induced uterine activity. Wallenburg HC, et al.
J Perinat Med 1982;10(3):161-6

Intrinsic activity of labetalol on guinea-pig isolated trachea. Carpenter JR. **J Pharm Pharmacol** 1981 Dec;33(12):806-7

beta 2-Adrenergic agonist effects of medroxalol and labetalol on rat and mouse uterine muscle. Woodward JK, et al.
J Pharm Pharmacol 1982 Mar;34(3):193-5

Labetalol and platelet function in pre-eclampsia. Walker JJ, et al. **Lancet** 1982 Jul 31;2(8292):279

Mutagenicity tests and in vitro transformation assays on triethanolamine. Inoue K, et al. **Mutat Res** 1982 Jun; 101(4):305-13

Effects of a new antiarrhythmic compound [2-benzal-1-(2' diisopropyl-amino-ethoxy-imino)-cycloheptane hydrogen fumarate] on the electrophysiological properties of mammalian cardiac cells. Rüdiger HJ, et al.
Naunyn Schmiedebergs Arch Pharmacol 1981 Nov; 317(3):238-44

Behavioral effects of deanol, of hemicholinium and of their interaction. Russell RW, et al.
Pharmacol Biochem Behav 1981 Aug;15(2):285-8

Sensitization by (+) Inpea of rat stomach strip contraction induced by PGE2 or pleural exudates. Capasso F, et al.
Pharmacol Res Commun 1981 Jul;13(7):705-9

Effects of polyphloretin phosphate (PPP) and quinterenol of cyclic nucleotide phosphodiesterase activities. Curtis-Prior PB, et al. **Pharmacol Res Commun** 1981 Apr; 13(4):331-7

Growth of hybridoma cells in serum-free medium: ethanolamine is an essential component. Murakami H, et al. **Proc Natl Acad Sci USA** 1982 Feb;79(4):1158-62

Hormonal regulation of ciliary function in the oviduct: the effect of beta-adrenergic agonists. Villalón M, et al.
Prog Clin Biol Res 1982;80:59-65

CDPcholine and CDPethanolamine prevent the release of free fatty acids during brain ischemia. Horrocks LA, et al. **Prog Lipid Res** 1981;20:531-4

Selective stimulation of PGE1-synthesis by soterenol in the isolated rat vas deferens is mediated by alpha adrenoreceptors. Borda E, et al.
Prostaglandins Leukotrienes Med 1982 May;8(5):531-6

Evidence of a role for GABA in benzodiazepine effects on food preference in rats. Hodges HM, et al.
Psychopharmacology (Berlin) 1981;75(3):305-10

The effects of labetalol and oxprenolol on blood lipids. Sommers DK, et al. **S Afr Med J** 1981 Sep 5;60(10):379-80

Effect of a beta 2-sympathomimetic on gastrin release, acid secretion, and blood glucose during basal conditions and in response to insulin, 2-deoxy-D-glucose, and feeding in the dog. Gottrup F, et al. **Scand J Gastroenterol** 1981; 16(5):673-80

Clinical study of the use of clenbuterol for postponing parturition in cows. Greene HJ. **Vet Rec** 1981 Sep 26; 109(13):283-5

[The efficacy of oral betamimetics using an oxytocin-stimulated puerperal model (author's transl)] Baumgarten K, et al. **Geburtshilfe Fraunheilkd** 1982 Feb; 42(2):103-14 (Eng. Abstr.) **(Ger)**

[Thrombocyte function in rabbits under fenoterol tocolysis (author's transl)] Ebert C, et al. **Zentralbl Gynakol** 1982; 104(9):526-32 (Eng. Abstr.) **(Ger)**

[Effects of fenoterol on blood pressure, heart rate, and cardiotocogram of hypertensive and normotensive women in advanced pregnancy (author's transl)] Oddoy A, et al. **Zentralbl Gynakol** 1982;104(7):415-21 (Eng. Abstr.) **(Ger)**

[Experimental electrocardiographic research. Study in the rat of the cardiovascular effects of labetalol] Valora N, et al. **Boll Soc Ital Biol Sper** 1981 May 30;57(10):1089-95 (Eng. Abstr.) **(Ita)**

[Exogenous adrenergic stimulation by intravenous infusions of isoproterenol and blood levels of cyclic AMP before and after beta-blocking in humans] Nami R, et al.
Boll Soc Ital Cardiol 1980;25(7):763-8 (Eng. Abstr.) **(Ita)**

[Preclinical study of third generation beta 2-stimulant (procaterol) on inhibition of uterine contraction (author's transl)] Chimura T.
Nippon Sanka Fujinka Gakkai Zasshi 1982 Jul; 34(7):899-904 (Eng. Abstr.) **(Jpn)**

[Antihypertensive effects of labetalol in three types of hypertensive models of rats (author's transl)] Nakagawa Y, et al. **Nippon Yakurigaku Zasshi** 1981 Apr;77(4):435-45 (Eng. Abstr.) **(Jpn)**

[Action of propranolol, nifenalol, and pindolol on the lipolytic effect of adrenaline in the rat epididymis] Sánchez-Cuadrado MC, et al. **Arch Farmacol Toxicol** 1981 Apr;7(1):181-2 **(Spa)**

THERAPEUTIC USE

Management of severe chronic CHF with oral pirbuterol. Awan NA, et al. **Acta Med Scand [Suppl]** 1981;652:155-62

Ocular hypotensive action of labetalol in rabbit and human eyes. Bonomi L, et al.
Albrecht Von Graefes Arch Klin Exp Ophthalmol 1981; 217(3):175-81

Labetalol therapy in patients with systemic hypertension and angina pectoris: effects of combined alpha and beta adrenoceptor blockade. Frishman WH, et al.
Am J Cardiol 1981 Nov;48(5):917-28

Hemodynamic and coronary effects of intravenous labetalol in coronary artery disease. Gagnon RM, et al.
Am J Cardiol 1982 Apr 1;49(5):1267-9

Injection sclerotherapy of esophageal varices using ethanolamine oleate. Hedberg SE, et al. **Am J Surg** 1982 Apr;143(4):426-31

Labetalol in the preoperative management of phaeochromocytoma. Russell WJ, et al.
Anaesth Intensive Care 1982 May;10(2):160-3

Pretreatment of exercise-induced asthma by fenoterol delivered as inhalation powder and pressurized aerosol. Bundgaard A, et al. **Ann Allergy** 1982 Jan;48(1):36-9

Acute bronchial and cardiovascular effects of increasing doses of pirbuterol acetate aerosol in asthma. Littner MR, et al. **Ann Allergy** 1982 Jan;48(1):14-20

Comparison of the long-term effect of fenoterol hydrobromide and theophylline syrups in pre-school asthmatic children. Nolan G, et al. **Ann Allergy** 1982 Aug; 49(2):93-6

Hypertension in general practice: a comparative study of labetalol and metoprolol (+/- prazosin) in general practice. Piterman L. **Aust Fam Physician** 1981 Jul;10(7):579-83

Proceedings of the Third Symposium on Labetalol.
Br J Clin Pharmacol 1982 Jun;13(1 Suppl):1S-141S

The acute and chronic hypotensive effect of labetalol and the relationship with pretreatment plasma noradrenaline levels. Agabiti-Rosei E, et al. **Br J Clin Pharmacol** 1982 Jun;13(1 Suppl):87S-92S

Labetalol in essential hypertension. Breckenridge A, et al.
Br J Clin Pharmacol 1982 Jun;13(1 Suppl):37S-39S

Effects of combined alpha- and beta-blockade by labetalol in patients with coronary artery disease. Condorelli M, et al. **Br J Clin Pharmacol** 1982 Jun;13(1 Suppl):101S-110S

Labetalol in general practice: a review. Kane JA.
Br J Clin Pharmacol 1982 Jun;13(1 Suppl):59S-63S

Circulatory and metabolic effects of a combined alpha- and beta-adrenoceptor blocker (labetalol) in hypertension of pregnancy. Lunell NO, et al. **Br J Clin Pharmacol** 1981 Sep;12(3):345-8

The evaluation of labetalol in the treatment of hypertension complicating pregnancy. Michael CA.
Br J Clin Pharmacol 1982 Jun;13(1 Suppl):127S-131S

Alternatives to beta-blockade in therapy of hypertension with angina pectoris: role of nifedipine or of labetalol. Opie LH, et al. **Br J Clin Pharmacol** 1982 Jun;13(1 Suppl):115S-122S

Comparison of labetalol with other anti-hypertensive drugs. Prichard BN, et al. **Br J Clin Pharmacol** 1982 Jun;13(1 Suppl):41S-47S (51 ref.)

Labetalol: the nineteen-eighties. Robertson JI.
Br J Clin Pharmacol 1982 Jun;13(1 Suppl):137S-141S

The use of labetalol in Japan: results of multicentre clinical trials. Takeda T, et al. **Br J Clin Pharmacol** 1982 Jun;13(1 Suppl):49S-57S

Role of labetalol in acute myocardial infarction. Timmis AD, et al. **Br J Clin Pharmacol** 1982 Jun;13(1 Suppl):111S-114S

Review of long-term treatment with labetalol.
Waal-Manning HJ, et al. **Br J Clin Pharmacol** 1982 Jun; 13(1 Suppl):65S-73S

The effect of ipratropium and fenoterol on methacholine-histamine-induced bronchoconstriction. Bandouvakis J, et al. **Br J Dis Chest** 1981 Jul;75(3):295-305

Effects of a beta adrenergic drug and a secretolytic agent on regional mucociliary clearance in patients with COLD. Weiss T, et al. **Chest** 1981 Dec;80(6 Suppl):881-5

The treatment of hypertension by labetalol--a new alpha- and beta-adrenoreceptor blocking agent. Stern N, et al.
Clin Cardiol 1982 Feb;5(2):125-30

Prolactin stimulation by intravenous labetalol is mediated inside the central nervous system. Barbieri C, et al.
Clin Endocrinol (Oxf) 1982 Jun;16(6):615-9

Effects of combined alpha- and beta-receptor blockade on peripheral circulation in essential hypertension. Heck I, et al. **Clin Sci [Suppl]** 1981 Dec;61(7):429s-432s

An analysis of the blood pressure response to labetalol in hypertensive patients. McNeil JJ, et al. **Clin Sci [Suppl]** 1981 Dec;61(7):449s-452s

Clenbuterol ('Spiropent'): a long-acting bronchodilator. Wheatley D. **Curr Med Res Opin** 1982;8(2):113-9

A new beta-2 adrenoceptor agonist (pirbuterol) in the treatment of ischaemic heart failure. Nelson GI, et al.
Eur Heart J 1982 Jun;3(3):238-45

Labetalol infusion for the treatment of hypertension in acute myocardial infarction. Timmis AD, et al. **Eur Heart J** 1980 Dec;1(6):413-6

Comparison of labetalol and clonidine in hypertension. Lilja M, et al. **Eur J Clin Pharmacol** 1982;21(5):363-7

Use of labetalol in hypertensive patients during discontinuation of clonidine therapy. Rosenthal T, et al.
Eur J Clin Pharmacol 1981;20(4):237-40

Partial ejaculatory incompetence: the therapeutic effect of midodrine, an orally active selective alpha-adrenoceptor agonist. Riley AJ, et al. **Eur Urol** 1982;8(3):155-60

Comparative study of oxdralazine and dihydralazine in essential hypertension. Salvadeo A, et al.
Int J Clin Pharmacol Ther Toxicol 1981 Aug;19(8):372-6

Labetalol and renal function. Watson A, et al.
Ir J Med Sci 1981 Jun;150(6):174-7

Combination bronchodilator therapy in asthma. Ruffin RE, et al. **J Allergy Clin Immunol** 1982 Jan;69(1 Pt 1):60-5

Combined alpha- and beta-adrenergic blockade in the treatment of hypertension: myth or reality? Workshop held in Corsendonck (Belgium) on February 28, 1981.
J Cardiovasc Pharmacol 1981;3 Suppl 1:S1-74

Labetalol and 24-hour monitoring of arterial blood pressure in hypertensive patients. Ferrari A, et al.
J Cardiovasc Pharmacol 1981;3 Suppl 1:S42-52

The pharmacological basis for the use of labetalol in the treatment of hypertension. Prichard BN, et al.
J Cardiovasc Pharmacol 1981;3 Suppl 1:S24-9 (30 ref.)

Labetalol and the management of hypertension. Reid JL, et al. **J Cardiovasc Pharmacol** 1981;3 Suppl 1:S60-8 (19 ref.)

Clinical pharmacology of labetalol in pregnancy. Riley AJ.
J Cardiovasc Pharmacol 1981;3 Suppl 1:S53-9 (27 ref.)

Efficacy and duration of action of procaterol, a new bronchodilator. Zanetti CL, et al. **J Clin Pharmacol** 1982 May-Jun;22(5-6):250-3

Deanol and Tourette syndrome [letter] Finney JW, et al.
Lancet 1981 Oct 31;2(8253):989

An evaluation of the initial treatment of acute asthma. Ben-Zvi Z, et al. **Pediatrics** 1982 Sep;70(3):348-53

A controlled comparison of the antihypertensive effects of labetalol and alpha-methyldopa. Al-Damluji SF, et al.
Pharmatherapeutica 1982;3(2):133-9

Treatment of severe essential hypertension with labetalol: effect on active and inactive renin. Hauger-Klevene JH.
Pharmatherapeutica 1981;3(1):46-54

The effect of different antihypertensive therapies on plasma lipids. Gomez G. **Practitioner** 1982 May;226(1367):985-91

Oxitropium bromide, ipratropium bromide and fenoterol in exercise-induced asthma. Larsson K. **Respiration** 1982; 43(1):57-63

The site of action of beta-2-sympathomimetic bronchodilatators in patients with chronic obstructive airway disease. Nassari W, et al. **Respiration** 1981; 41(4):232-8

Anticholinergic versus beta 2-adrenergic therapy in allergic airways obstruction: double-blind trials on bronchodilator effect and antiallergic protection of oxitropium bromide and fenoterol. Schultze-Werninghaus G. **Respiration** 1981; 41(4):239-47

IV. Labetalol in the management of severe hypertension. Ee B, et al. **Singapore Med J** 1981 Oct;22(5):295-7

Exercise-induced bronchoconstriction as an expression of bronchial hyperreactivity: a study of its mechanisms in children. Neijens HJ, et al. **Thorax** 1981 Jul;36(7):517-22

[The anti-asthma effect of compound cyclocienbuterol on bronchial asthma (author's transl)] Wang GJ.
Chung Hua Chieh Ho Ho Hu Hsi Hsi Chi Ping Tsa Chih 1981 Dec;4(6):333-4 (Eng. Abstr.) **(Chi)**

[Phenoterol and ipratropium and their effect on blood gases (author's transl)] Pražáková J, et al. **Cas Lek Cesk** 1981 Jun 18;120(24):736-9 (Eng. Abstr.) **(Cze)**

[Combined captopril and labetalol treatment of malignant arterial hypertension (author's transl)] El Matri A, et al.
Nouv Presse Med 1981 Apr 30;10(19):1575-8 (Eng. Abstr.) **(Fre)**

[Usefulness of combined captopril-labetalol treatment in resistant hypertension (author's transl)] El Matri A, et al.
Nouv Presse Med 1982 May 8;11(21):1611-3 (Eng. Abstr.) **(Fre)**

[Postoperative respiratory therapy: bronchospasmolytic activity and side-effects of some recently introduced beta-sympatheticomimetic agents (author's transl)] Brandl M, et al. **Anasth Intensivther Notfallmed** 1981 Aug; 16(4):197-202 (Eng. Abstr.) **(Ger)**

[Labetalol for the management of hypertensive crises during surgery of cerebral aneurysm; a haemodynamic study (author's transl)] Lüben V, et al.
Anasth Intensivther Notfallmed 1981 Aug;16(4):184-7 (Eng. Abstr.) **(Ger)**

[Deliberate hypotension during rhinosurgery using labetalol, a combined alpha- and beta-adrenoceptor antagonist (author's transl)] Pasch T, et al.
Anasth Intensivther Notfallmed 1982 Apr;17(2):74-7 (Eng. Abstr.) **(Ger)**

[Treatment of dry labour in rupture of membranes by conservative approach (inhibition of uterine contraction) with fenoterol (author's transl)] Conradt A, et al.
Geburtshilfe Fraunheilkd 1981 Oct;41(10):702-13 (Eng. Abstr.) **(Ger)**

[Tocolysis in emergency cerclage (own technical procedure, prognosis) (author's transl)] Conradt A, et al.
Geburtshilfe Fraunheilkd 1982 Apr;42(4):291-6 (Eng. Abstr.) **(Ger)**

[Treatment of Motor urge incontinence with Clenbuterol (author's transl)] Grüneberger A, et al.

Geburtshilfe Fraunheilkd 1982 Apr;42(4):266–8 (Eng. Abstr.) **(Ger)**

[Labetalol: a field study in essential hypertension (author's transl)] Greminger P, et al. **Praxis** 1982 Feb 23;71(8):332–6 (Eng. Abstr.) **(Ger)**

[The conservative treatment of stress incontinence in women with midodrine] Riccabona M. **Wien Klin Wochenschr** 1981 Mar 6;93(5):163–5 (Eng. Abstr.) **(Ger)**

[Experiences with Trandate in geriatrics] Barousch R. **Wien Med Wochenschr [Suppl]** 1981;69:19 **(Ger)**

[Reduction of myocardial ischemia with labetalol in experimental myocardial infarct] Glogar DH, et al. **Wien Med Wochenschr [Suppl]** 1981;69:7–9 **(Ger)**

[Therapy of hypertensive crises with a mono-substance with alpha- and beta-blocking properties (labetalol)] Holzer H, et al. **Wien Med Wochenschr [Suppl]** 1981;69:10–3 (Eng. Abstr.) **(Ger)**

[The use of labetalol in the so-called 'post-shock phase' in intensive care patients] Mutz N, et al. **Wien Med Wochenschr [Suppl]** 1981;69:17–8 **(Ger)**

[Ergometric control in hypertension treatment with labetalol] Prohaska H, et al. **Wien Med Wochenschr [Suppl]** 1981; 69:20–2 **(Ger)**

[Combined alpha and beta adrenergic receptor blockade in the treatment of renal hypertension] Stummvoll HK. **Wien Med Wochenschr [Suppl]** 1981;69:14–6 **(Ger)**

[Labetalol in ambulatory therapy of hypertension] Zilcher H, et al. **Wien Med Wochenschr [Suppl]** 1981;131(69):23–4 **(Ger)**

[Echocardiographically determined ventricular function in newborns with and without treatment of the mother with fenoterol during pregnancy (author's transl)] Hofstetter R, et al. **Z Geburtshife Perinatol** 1981 Aug;185(4):227–30 **(Ger)**

[Creatinkinase-beta-radioimmunoassay – its importance in the search for myocardial necroses under long-term tocolysis with Fenoterol (author's transl)] Meinen K, et al. **Z Geburtshife Perinatol** 1980 Oct;184(5):339–42 (Eng. Abstr.) **(Ger)**

[Studies of the clinical effectiveness of intravenous long-term tocolysis] Ruckhäberle KE, et al. **Zentralbl Gynakol** 1982; 104(7):405–14 (Eng. Abstr.) **(Ger)**

[Labetalol in resistant hypertension] Stern N, et al. **Harefuah** 1981 Aug;101(3–4):54–6 (Eng. Abstr.) **(Heb)**

[Labetalol: a new alpha/beta-adrenergic receptor blocking agent] Gyimesi A, et al. **Orv Hetil** 1981 Nov 15; 122(46):2831–4 **(Hun)**

[Comparative evaluation of the bronchospasmolytic action of fenoterol and trimethoquinol] Tranfa CM, et al. **Arch Monaldi** 1980 Sep–Dec;35(5–6):273–80 (Eng. Abstr.) **(Ita)**

[Open clinical trial of labetalol in ambulatory patients with arterial hypertension] Baratta L, et al. **Clin Ter** 1981 Oct 31;99(2):139–47 (Eng. Abstr.) **(Ita)**

[Evaluation of the bronchodilating effect of TH 1165 A and of salbutamol in patients with spastic obstructive ventilatory syndrome] Iaia E, et al. **Clin Ter** 1981 Dec 15; 99(5):499–505 **(Ita)**

[Fenoterol in the diagnosis and treatment of reversible bronchospasm] Sevieri GP, et al. **Clin Ter** 1981 Dec 31; 99(6):615–22 (Eng. Abstr.) **(Ita)**

[Comparison of metroprolol and labetalol. Antihypertensive activity at rest and during exertion and effect on some noninvasive parameters of cardiovascular function] Demarchi PG, et al. **Minerva Cardioangiol** 1981 Dec; 29(12):719–28 (31 ref.) (Eng. Abstr.) **(Ita)**

[Clinical, ergometric and polygraphic evaluation of the effects of metoprolol and labetalol administration in essential arterial hypertension. Comparative study] Schirripa V, et al. **Minerva Med** 1982 Apr 2;73(14):845–9 (Eng. Abstr.) **(Ita)**

[Clinical study of a new bronchodilator molecule in pediatrics (Th 1165, Fenoterol-Berotec)] Longo L, et al. **Minerva Pediatr** 1981 Aug 31;33(16):831–4 (Eng. Abstr.) **(Ita)**

[Clinical effects of labetalol in 21 patients with phaeochromocytoma (author's transl)] Yoshinaga K, et al. **Horumon To Rinsho** 1981 Apr;29(4):515–22 **(Jpn)**

[Partusisten in the treatment of premature rupture of fetal membranes] Woyton J, et al. **Ginekol Pol** 1981 Jan; 52(1):91–6 (Eng. Abstr.) **(Pol)**

[Own experience with labetalol – a new adrenergic alpha and beta receptor blockader – in the treatment of arterial hypertension] Cybulska I, et al. **Pol Tyg Lek** 1981 Aug 24;36(34):1309–11 (Eng. Abstr.) **(Pol)**

[Hormonal function indices of the fetoplacental system during partusisten therapy of premature labor] Kurdrina EA, et al. **Akush Ginekol (Mosk)** 1981 May;(5):13–6 (Eng. Abstr.) **(Rus)**

[Therapeutic effect of trandat, an alpha- and beta-adrenergic receptor blockader, and its effect on central, regional and intracardiac hemodynamics] Erina EV, et al. **Biull Vsesoiuznogo Kardiol Nauchn Tsentra AMN SSSR** 1982;5(1):68–74 (Eng. Abstr.) **(Rus)**

[Effect of euphylline, berotec, and atrovent on the oxygen content and acid-base balance of patients with lung diseases] Zamotaev IP, et al. **Ter Arkh** 1982;54(4):52–5 (Eng. Abstr.) **(Rus)**

[Partusisten and sigetin treatment of hypotrophy of female rabbit fetuses in experimental disorders of utero-placental circulation] Chistiakov GV. **Vestn Akad Med Nauk SSSR** 1981;(6):36–8 (Eng. Abstr.) **(Rus)**

[Diazoxide vs. labetalol: a cross-over comparison of acute effects in hypertensive patients (author's transl)] Rumboldt Z, et al. **Lijec Vjesn** 1980;102(11):619–23 (Eng. Abstr.) **(Scr)**

[Labetalol in the treatment of resistant hypertension] Krechňáková A, et al. **Vnitr Lek** 1981 Jul;27(7):660–6 (Eng. Abstr.) **(Slo)**

[Treatment of threatened premature labor with fenoterol] Lowenberg E, et al. **Ginecol Obstet Mex** 1981 Jan; 48(291):11–21 (Eng. Abstr.) **(Spa)**

[Preventive use of fenoterol in juvenile bronchial asthma] Broitman H, et al. **Rev Chil Pediatr** 1981 Jul–Aug; 52(4):322–6 (Eng. Abstr.) **(Spa)**

[Prophylactic use of fenoterol in infantile bronchial asthma] Broitman H, et al. **Rev Chil Pediatr** 1981 Jul–Aug; 52(4):322–6 (Eng. Abstr.) **(Spa)**

URINE

Quantitative determination of the beta-adrenoceptor stimulant formoterol in urine by gas chromatography mass spectrometry. Kamimura H, et al. **J Chromatogr** 1982 May 14;229(2):337–45

ETHCHLOROVYNOL see **ETHCHLORVYNOL**

ETHCHLORVINOL see **ETHCHLORVYNOL**

ETHCHLORVYNOL

POISONING

Placidyl abuse: a dimorphic picture. Schottstaedt MW, et al. **Crit Care Med** 1981 Sep;9(9):677–9

TOXICITY

The effects of totigestational exposure to ethchlorvynol on development and behavior. Peters MA, et al. **Ecotoxicol Environ Safety** 1981 Dec;5(4):494–502

ETHENOADENOSINE TRIPHOSPHATE see under **ADENOSINE TRIPHOSPHATE**

ETHER, ETHYL see under **ETHYL ETHERS**

ETHERS

Characterization of short-chain alkyl ether lecithin analogues: 13C NMR and phospholipase studies. Burns RA Jr, et al. **Biochemistry** 1981 Oct 13;20(21):5945–50

ADMINISTRATION & DOSAGE

Prognostic factors influencing survival of patients receiving intravesical epodyl. Riddle PR, et al. **J Urol** 1982 Mar; 127(3):430–2

ADVERSE EFFECTS

[Contact allergy to ether oils in patients sensitized to a single or several basic balsams] Rudzki E, et al. **Przegl Dermatol** 1981 Mar–Apr;68(2):167–71 (Eng. Abstr.) **(Pol)**

ANALYSIS

Identification of the synergist bis(2,3,3,3-tetrachloropropyl)ether in human milk. Miyazaki T, et al. **Bull Environ Contam Toxicol** 1981 Mar; 26(3):420–3

METABOLISM

Destruction of highly purified cytochromes P-450 associated with metabolism of fluorinated ether anesthetics. Murphy MJ, et al. **Arch Biochem Biophys** 1981 Dec;212(2):360–9

Metabolism of bis(2-chloroethyl)ether and bis(2-chloroisopropyl)ether in the rat. Lingg RD, et al. **Arch Environ Contam Toxicol** 1982;11(2):173–83

The hydroxylation and dealkylation of some naphthyl alkyl ethers by rat liver microsomes. Hunter WH, et al. **Xenobiotica** 1981 Mar;11(3):179–88

PHARMACODYNAMICS

The evaluation of the epoxide diluent, n-butylglycidyl ether, in a series of mutagenicity assays. Connor TH, et al. **Environ Mutagen** 1980;2(4):521–30

Effect of dihydroxydibutylether on the lithogenic index of patients with cholesterol gallstones. Missale G, et al. **Int J Clin Pharmacol Ther Toxicol** 1981 Jun;19(6):273–4

Choleretic and diuretic properties of dihydroxydibutyl ether in the rat. Corbic M, et al. **J Pharmacol Exp Ther** 1982 Jun;221(3):769–74

ETHERS, CYCLIC

Preparation of polysaccharide derivatives containing amino groups for application in affinity chromatography. Grandics P. **Acta Biochim Biophys Acad Sci Hung** 1981; 16(1–2):51–5

Radioiodination of alkyl halides with Na 125I catalyzed by dicyclohexyl-18-crown-6. Bo-Li L, et al. **Radioisotopes** 1981 Jul;30(7):391–3

ADVERSE EFFECTS

Contact allergy to propylene oxide and isopropyl alcohol in a skin disinfectant swab. Jensen O. **Contact Dermatitis** 1981 May;7(3):148–50

[Carcinogenic activity of ethylene oxide and its reaction products 2-chloroethanol, 2-bromoethanol, ethylene glycol and diethylene glycol. I. Carcinogenicity of ethylene oxide in comparison with 1,2-propylene oxide after subcutaneous administration in mice (author's transl)] Dunkelberg H. **Zentralbl Bakteriol Mikrobiol Hyg [B]** 1981 Dec;174(5):383–404 (Eng. Abstr.) **(Ger)**

ANALYSIS

A sensitive fluorimetric procedure for the determination of aliphatic epoxides under physiological conditions. Nelis HJ, et al. **Anal Biochem** 1981 Jul 15;115(1):151–7

BLOOD

Determination of hydroxypropylhistidine in haemoglobin as a measure of exposure to propylene oxide using high resolution gas chromatography mass spectrometry. Farmer PB, et al. **Biomed Mass Spectrom** 1982 Feb;9(2):69–71

Competitive nephelometric immunoassay of carbamazepine and its epoxide metabolite in patient blood plasma. Nishikawa T, et al. **J Pharmacobiodyn** 1981 Jan;4(1):77–83

Styrene oxidation to styrene oxide in human blood erythrocytes and lymphocytes. Belvedere G, et al. **Res Commun Chem Pathol Pharmacol** 1981 Aug; 33(2):273–82

CHEMICAL SYNTHESIS

Synthesis and hypoglycemic activity of phenylalkyloxiranecarboxylic acid derivatives. Eistetter K, et al. **J Med Chem** 1982 Feb;25(2):109–13

IMMUNOLOGY

The LOX antigen: a new chemically-induced red cell antigen. Bruce M, et al. **Med Lab Sci** 1981 Jul;38(3):177–86

METABOLISM

Highly tumorigenic bay-region diol epoxides from the weak carcinogen benzo[c]phenanthrene. Jerina DM, et al. **Adv Exp Med Biol** 1981;136 Pt A:501–23

Enzymatic hydration of butadiene monoxide and its importance in the metabolism of butadiene. Malvoisin E, et al. **Adv Exp Med Biol** 1981;136 Pt A:437–44

Epoxides from paracetamol – a possible explanation for paracetamol toxicity. Notarianni LJ, et al. **Adv Exp Med Biol** 1981;136 Pt B:1077–83

Fate of epoxides. Oesch F. **Adv Exp Med Biol** 1981;136 Pt A:39–52

Novel epoxides formed during the liver cytochrome P-450 oxidation of arachidonic acid. Chacos N, et al. **Biochem Biophys Res Commun** 1982 Feb 11;104(3):916–22

Glutathione-S-transferase in human fetal liver. Pacifici GM, et al. **Biochem Pharmacol** 1981 Dec 15;30(24):3367–71

Degradation of linoleic acid hydroperoxides by a cysteine . FeCl3 catalyst as a model for similar biochemical reactions. II. Specificity in formation of fatty acid epoxides. Gardner HW, et al. **Biochim Biophys Acta** 1981 Jul 24; 665(1):113–24

Investigation of styrene in the liver perfusion/cell culture system. No indication of styrene-7,8-oxide as the principal mutagenic metabolite produced by the intact rat liver. Beije B, et al. **Chem Biol Interact** 1982 Mar 1;39(1):57–76

Studies on metabolism and toxicity of styrene. V. The metabolism of styrene, racemic, (R)-(+)-, and (S)-(−)-phenyloxiranes in the rat. Watabe T, et al. **J Pharmacobiodyn** 1982 Feb;5(2):129–33

The metabolism and excretion of styrene oxide-glutathione conjugates in the rat and by isolated perfused liver, lung and kidney preparations. Steele JW, et al. **J Pharmacol Exp Ther** 1981 Oct;219(1):35–41

Metabolism and acute hepatotoxicity of styrene oxide in rats. Chakrabarti S, et al. **J Toxicol Environ Health** 1981 Jul–Aug;8(1–2):113–20

4-Vinylphenol excretion suggestive of arene oxide formation in workers occupationally exposed to styrene. Pfäffli P, et al. **Toxicol Appl Pharmacol** 1981 Aug;60(1):85–90

Interactions of styrene and styrene oxide with partially purified cytochrome P-450 and P-448 from rat liver microsomes. Mackenzie P, et al. **Toxicol Lett** 1981 Oct; 9(2):183–8

Metabolism of the epoxy resin component 2,2-bis[4](2,3]epoxypropoxy)phenyl]propane, the diglycidyl ether of bisphenol A (DGEBPA) in the mouse. Part I. A comparison of the fate of a single dermal application and of a single oral dose of 14C-DGEBPA. Climie IJ, et al. **Xenobiotica** 1981 Jun;11(6):391–9

Metabolism of the epoxy resin component 2,2-bis[4-(2,3-epoxypropoxy)phenyl]propane, the diglycidyl ether of bisphenol A (DGEBPA) in the mouse. Part II. Identification of metabolites in urine and faeces following a single oral dose of 14C-DGEBPA. Climie IJ, et al. **Xenobiotica** 1981 Jun;11(6):401–24

Stereoselective oxidation of styrene to styrene oxide in rats as measured by mercapturic acid excretion. Delbressine LP, et al. **Xenobiotica** 1981 Sep;11(9):589–94

PHARMACODYNAMICS

E-64
[L-trans-epoxysuccinyl-leucyl-amido(4-guanidino)butane and related epoxides as inhibitors of cysteine proteinases. Barrett AJ, et al. **Acta Biol Med Ger** 1981;40(10-11):1513-7

Effect of the oral hypoglycemic agent 2-tetradecylglycidic acid on fatty acid oxidation in suckling rats in vivo and in perfused liver. Frost SC, et al. **Arch Biochem Biophys** 1981 Oct 15;211(2):547-55

Alkylation of guanosine and 4-(p-nitrobenzyl)-pyridine by styrene oxide analogues in vitro. Hemminki K, et al. **Arch Toxicol** 1981 NOV;49(1):35-41

Metallo crown porphyrins as ionophores-metal dependent uncoupling of mitochondrial energy potential. Dasgupta D, et al. **Biochem Biophys Res Commun** 1982 Feb 26; 104(4):1427-33

On the mechanism of action of polyether XXVIII at site I of the electron-transfer chain in rat liver mitochondria. Carabez A, et al. **Biochim Biophys Acta** 1981 Nov 12; 638(1):125-31

Styrene and styrene oxide induce SCEs and are metabolised in human lymphocyte cultures. Norppa H, et al. **Carcinogenesis** 1980 Apr;1(4):357-61

Alkylation of nucleic acid bases by epoxides and glycidyl ethers. Hemminki K, et al. **Dev Toxicol Environ Sci** 1980; 8:241-4

Phenylalkyloxirane carboxylic acids, a new class of hypoglycaemic substances: hypoglycaemic and hypoketonaemic effects of sodium 2-[5-(4-chlorophenyl)-pentyl]-oxirane-2-carboxylate (B 807-27) in fasted animals. Wolf HP, et al. **Diabetologia** 1982 Jun;22(6):456-63

Relation of oxidation of long-chain fatty acids to gluconeogenesis in the perfused liver of the guinea pig: effect of 2-tetradecylglycidic acid (McN-3802). Tutwiler GF, et al. **Eur J Biochem** 1982 Jun;124(3):465-70

Increased secretion of very low density lipoprotein triglyceride following inhibition of long chain fatty acid oxidation in isolated rat liver. Ide T, et al. **J Biol Chem** 1981 Oct 25;256(20):10247-55

2-Tetradecylglycidic acid. Tutwiler GF, et al. **Methods Enzymol** 1981;72:533-51

Bacterial mutagenicity and toxicity of cycloaliphatic epoxides. Frantz SW, et al. **Mutat Res** 1981 Sep;90(1):67-78

Mutagenicity of chloroalkene epoxides in bacterial systems. Kline SA, et al. **Mutat Res** 1982 Apr;101(2):115-25

Comparison of the mutagenic potency of 2-chloroethanol, 2-bromoethanol, 1,2-epoxybutane, epichlorohydrin and glycidaldehyde in Klebsiella pneumoniae, Drosophila melanogaster and L5178Y mouse lymphoma cells. Knaap AG, et al. **Mutat Res** 1982 May;101(3):199-208

The mutagenic effects of diepoxybutane in wild-type and mutagen-sensitive mutants of Drosophila melanogaster. Olsen OA, et al. **Mutat Res** 1982 Feb 22;92(1-2):107-15

The induction of sister-chromatid exchanges in Chinese hamster ovary cells by K-region epoxides and some dihydrodiols derived from benz[a]anthracene, dibenz[a,c]anthracene and dibenz[a, h]anthracene. Pal K. **Mutat Res** 1981 Dec;84(2):389-98

A reduced capacity for unscheduled DNA synthesis in lymphocytes from individuals exposed to propylene oxide and ethylene oxide. Pero RW, et al. **Mutat Res** 1982 Apr; 104(1-3):193-200

Mutagenicity of alkyl glycidyl ethers in three short-term assays. Thompson ED, et al. **Mutat Res** 1981 Nov; 90(3):213-31

The mutagenic action of aliphatic epoxides. Voogd CE, et al. **Mutat Res** 1981 Aug;89(4):269-82

Carcinogenic epoxides of benzo[a]pyrene and cyclopenta[cd]pyrene induce base substitutions via specific transversions. Eisenstadt E, et al. **Proc Natl Acad Sci USA** 1982 Mar;79(6):1945-9

TOXICITY

Studies on chemical carcinogens. XXI. Quantitative structure-mutagenicity relationship among substituted styrene oxides. Tamura N, et al. **Chem Pharm Bull (Tokyo)** 1982 Apr;30(4):1393-400

Plasma disappearance and biliary excretion of bromosulfophthalein in styrene-treated and styrene oxide-treated rats. Chakrabarti S, et al. **J Toxicol Environ Health** 1981 Oct;8(4):609-17

Teratogenic evaluation of epichlorohydrin in the mouse and rat and glycidol in the mouse. Marks TA, et al. **J Toxicol Environ Health** 1982 Jan;9(1):87-96

Neoplastic transformation of Syrian hamster cells by putative epoxide metabolites of commercially utilized chloroalkenes. DiPaolo JA, et al. **JNCI** 1982 Aug;69(2):531-4

[Toxicology of propylene oxide and its regulation of the water in reservoir.] Antonov VI, et al. **Gig Sanit** 1981 Jul; (7):76-9 **(Rus)**

[Toxicity and the hygienic standard for 2-methylpentene-2 oxide] Bukhalovskii AA, et al. **Gig Tr Prof Zabol** 1981 Nov;(11):51-2 **(Rus)**

ETHICS

see related
CONFIDENTIALITY
HUMAN RIGHTS

Ethical consideration in the medical care of adolescents who consult for treatment of gonorrhea. Silber TJ. **Adolescence** 1982 Summer;17(66):267-71

Legal aspects of dermatopathology. Masington RS. **Am J Dermatopathol** 1981 Fall;3(3):313-4

Deadly force: some human and ethical considerations. Wilber CG. **Am J Forensic Med Pathol** 1982 Jun;3(2):165-77

Ethical and cultural dimensions of informed consent. A case study and analysis. Cross AW, et al. **Ann Intern Med** 1982 Jan;96(1):110-3

The N'anga, the guardian of the Shona way of life, its ethics and behaviour. Gelfand M. **Cent Afr J Med** 1981 Jul; 27(7):146-8

Spotting scams; preventing kickbacks. Emerton E. **Dimens Health Serv** 1981 Oct;58(10):16-8

Ethical conflicts in long-term care of aged patients: analysis of the tube-feeding decision by means of a teleological ethical model. Bexell G, et al. **Ethics Sci Med** 1980; 7(3-4):141-5

The paradox of human goodness. Hamburgh M. **Ethics Sci Med** 1980;7(3-4):127-40

Fresh thoughts on sociobiology [letter] **Hastings Cent Rep** 1981 Oct;11(5):48-9

The Hastings Center: ethics in the 80s. **Hastings Cent Rep** 1981 Dec;11(6):suppl 1-16

Ethics and experts. 2. A physician's perspective. Avorn J. **Hastings Cent Rep** 1982 Jun;12(3):11-2

Ethics and Experts. 4. What philosophers can offer. Beauchamp TL. **Hastings Cent Rep** 1982 Jun;12(3):13-4

A police informer in a hospital bed. Commentary. Boisaubin EV. **Hastings Cent Rep** 1981 Oct;11(5):17

Minimalist ethics. Callahan D. **Hastings Cent Rep** 1981 Oct; 11(5):19-25

Morality, ethics, & the new Christian right. Marty ME. **Hastings Cent Rep** 1981 Aug;11(4):14-7

Ethics and experts. Noble CN. **Hastings Cent Rep** 1982 Jun; 12(3):7-9

A police informer in a hospital bed. Commentary. Shelp EE. **Hastings Cent Rep** 1981 Oct;11(5):18

Ethics and Experts. 1. How do we decide? Singer P. **Hastings Cent Rep** 1982 Jun;12(3):9-11

The tyranny of principles. Toulmin S. **Hastings Cent Rep** 1981 Dec;11(6):31-9

Ethics and Experts. 3. Ethicists, critics and expertise. Wikler D. **Hastings Cent Rep** 1982 Jun;12(3):12-3

The urchins of summer. Weissmann G. **Hosp Pract** 1981 Oct; 16(10):69, 73, 76

The 'dumping' dilemma: finding what's fair. Friedman E. **Hospitals** 1982 Sep 16;56(18):75, 77, 80 passim

Hospital strategic planning must be rooted in values and ethics. Peters JP, et al. **Hospitals** 1982 Jun 16;56(12):90-2, 95, 97-8

Change and permanence: reflections on the ethical-social contract of science in the public interest. Kass LR. **In Vitro** 1981 Dec;17(12):1091-9

Ethics and policy governing faculty and students. Greenberg JS, et al. **J Am Coll Health Assoc** 1981 Dec;30(3):141-2

Agent orange: government responsibility for the military use of phenoxy herbicides. Lacey P, et al. **J Leg Med (Chicago)** 1982 Mar;3(1):137-78

Surrogate mothers: private right or public wrong? Winslade WJ. **J Med Ethics** 1981 Sep;7(3):153-4

The moral responsibility of the hospital. De George RT. **J Med Philos** 1982 Feb;7(1):87-100

The virtuous organization. Smith MD. **J Med Philos** 1982 Feb;7(1):35-42

A communitarian ethical model for public health interventions: an alternative to individual behavior change strategies. Forster JL. **J Public Health Policy** 1982 Jun; 3(2):150-63

Sounding board. Changing philosophies in medical care and the rise of the investor-owned hospital. Cunningham RM Jr. **N Engl J Med** 1982 Sep 23;307(13):817-9

Congress in sight of compromise [news] Budiansky S. **Nature** 1982 Jul 1;298(5869):6-7

Harvard guidelines for avoiding fraud [news] Dickson D. **Nature** 1982 Jan 28;295(5847):271

On chemical war [letter] Murphy S, et al. **Nature** 1981 Nov 19;294(5838):204

Animal committees [letter] Rowsell HC. **Nature** 1981 Nov 19;294(5838):204

Ethics on behalf of the mentally retarded. Cooke RE. **Pediatr Ann** 1981 Oct;10(10):24-30

Value-laden beliefs and principles for rehabilitation. Wright BA. **Rehabil Lit** 1981 Sep-Oct;42(9-10):266-9

NIH grapples with misconduct [news] Broad WJ. **Science** 1982 Jul 16;217(4556):227

AAMC speaks on coping with fraud [news] Culliton BJ. **Science** 1982 Jul 16;217(4556):226-8

Reproducing results [letter] Kark P. **Science** 1982 Jul 2; 217(4554):6

On being moral in immoral places. Reed GF. **Soc Sci Med [F]** 1981 Mar;15F(1):19-26

Legal and ethical aspects of salmonellosis. Bell JC, et al. **Vet Rec** 1981 Oct 3;109(14):301-4

The question of animal rights. Fox MW. **Vet Rec** 1981 Jul 11;109(2):37-9 (25 ref.)

[Academic democracy and science ethics (author's transl)] Shen SJ. **Chung Hua I Hsueh Tsa Chih** 1981 Jun; 61(6):339-40 **(Chi)**

[Advertisement of thermal baths caught between medicine and the economy] Deschenaux FX. **Rev Med Suisse Romande** 1981 Dec;101(12):997-1001 **(Fre)**

[The Swiss alpha-1-fetoprotein study--ethical aspects] Ringeling H. **Soz Praventivmed** 1981 Sep;26(4):234-6 **(Ger)**

[Deontological problems in pharmacology] Zakusov VV. **Farmakol Toksikol** 1982 May-Jun;45(3):12-8 (Eng. Abstr.) **(Rus)**

[Deontologic aspects of oncologic diseases in ophthalmology] Sergienko NM. **Oftalmol Zh** 1981;36(8):469-72 (Eng. Abstr.) **(Rus)**

[Ethics and biology (author's transl)] Alvarado R. **Riv Biol** 1981 Winter;74(4):461-76 (Eng. Abstr.) **(Spa, Ita)**

ETHICS, DENTAL

Formal ethics instruction in dental education. Odom JG. **J Dent Educ** 1982 Sep;46(9):553-7

What every dentist should know about professional misconduct. Wood WL Jr. **NY State Dent J** 1982 Jun-Jul; 48(6):378-80

[Clinical experimentation. Ethical and juridical considerations] Dolles OK. **Nor Tannlaegeforen Tid** 1981 Oct;91(13):463-5 **(Nor)**

[Deontological problems in the oral surgery hospital] Ruzin GP, et al. **Stomatologiia (Mosk)** 1981;60(4):63-4 **(Rus)**

ETHICS, INSTITUTIONAL see under **ETHICS**

ETHICS, MEDICAL

see related
HUMAN EXPERIMENTATION

Ethical and clinical aspects of pain treatment in cancer patients. Twycross RG. **Acta Anaesthesiol Scand [Suppl]** 1982;74:83-90

Legal threats--real and potential--to shock research. Visscher MB. **Adv Shock Res** 1981;5:1-7

Ethics of therapeutic leadership. Fletcher JC. **Ala J Med Sci** 1982 Apr;19(2):156-61

Problems in the law-science-medicine complex. Ruhe CH. **Ala J Med Sci** 1981 Oct;18(4):385-8

Occasional essay: Jewish perspective on prenatal diagnosis and selective abortion of affected fetuses, including some comparisons with prevailing Catholic beliefs. Fineman RM, et al. **Am J Med Genet** 1982 Jul;12(3):355-60

Prenatal screening and 'wrongful life': medicine's new 'Catch-22'? Marsh FH. **Am J Obstet Gynecol** 1982 Aug 1;143(7):745-8

Ethical use of antiandrogenic medications [letter] Berlin FS. **Am J Psychiatry** 1981 Nov;138(11):1515-6

Physician sexual misconduct and patients' responses. Burgess AW. **Am J Psychiatry** 1981 Oct;138(10):1335-42

Sex reassignment surgery: historical, bioethical, and theoretical issues. Lothstein LM. **Am J Psychiatry** 1982 Apr;139(4):417-26

Psychiatry's contribution to medical ethics education. Sider RC, et al. **Am J Psychiatry** 1982 Apr;139(4):498-501

The value of human life revisited [editorial] Rice DP, et al. **Am J Public Health** 1982 Jun;72(6):536-8

Criteria of brain death and removal of cadaveric organs. Kaste M, et al. **Ann Clin Res** 1981;13(4-5):313-7

On entrepreneurs ethics, and leadership [letter] **Ann Emerg Med** 1982 Sep;11(9):519-21

The ethics of emergency medicine research [editorial] Amey BD. **Ann Emerg Med** 1982 Sep;11(9):518

The hepatitis carrier and ethical issues [letter] **Ann Intern Med** 1981 Oct;95(4):513-4

The lie that heals: the ethics of giving placebos. Brody H. **Ann Intern Med** 1982 Jul;97(1):112-8

Fetal therapy: issues we face. Patterson P. **AORN J** 1982 Mar;35(4):663-8

Which infants should not receive intensive care? Campbell AG. **Arch Dis Child** 1982 Aug;57(8):569-71

Ethics in head and neck surgery. Conley J. **Arch Otolaryngol** 1981 Nov;107(11):655-7

Medical scandal [letter] Santamaria A. **Aust Fam Physician** 1982 Jan;11(1):5

Unmasking medicine. Harrison M. **Aust J Ophthalmol** 1982 May;10(2):87-9

Report on the ethics of research in children. Australian College of Pediatrics. **Aust Paediatr J** 1981 Sep;17(3):162

'Ethical Issues in neonatology' the Turner-Gibson Oration, 1981. Phibbs RH. **Aust Paediatr J** 1981 Dec;17(4):247-9

Current research in statistical methodology for clinical trials. Meier P. **Biometrics** 1982 Mar;38 Suppl:141-53 (3 ref.)

Ethically optimised designs. Clayton DG. **Br J Clin Pharmacol** 1982 Apr;13(4):469-80

Experience at a clinical research ethical review committee. **Br Med J [Clin Res]** 1981 Nov 14;283(6302):1312-4

Death without concealment [editorial] **Br Med J [Clin Res]** 1981 Dec 19;283(6307):1629-30

Death without concealment [letter] Brereton RJ. **Br Med J [Clin Res]** 1982 Jan 30;284(6312):345

Ethics and in-vitro fertilisation [letter] Browne S. **Br Med J [Clin Res]** 1982 Jun 26;284(6333):1950

Paediatricians and the law [letter] Cook RC, et al. **Br Med J [Clin Res]** 1981 Dec 5;283(6305):1543

Ethics and in-vitro fertilisation [editorial] Smith PK. **Br Med J [Clin Res]** 1982 May 1;284(6325):1287

Ethics of a predictive test for Huntington's chorea. Thomas S. **Br Med J [Clin Res]** 1982 May 8;284(6326):1383-5

Ethical and psychiatric aspects of torture: a Canadian study.

Allodi F, et al. **Can J Psychiatry** 1982 Mar;27(2):98–102
The ethics of involuntary treatment. The position of the Canadian Psychiatric Association. Cahn CH. **Can J Psychiatry** 1982 Feb;27(1):67–74
Ethics. Advertising your services--a question of propriety. Korcok M. **Can Med Assoc J** 1981 Nov 1;125(9):1026, 1028, 1033
'No resuscitation' orders [editorial] MacDonell JA. **Can Med Assoc J** 1981 Oct 15;125(8):809–10
Should we let them die? The moral dilemmas of economic restraints on life-support treatments [editorial] Oreopoulos DG. **Can Med Assoc J** 1982 Apr 1;126(7):745–6
Some ethical problems in Huntington's chorea. Perry TL. **Can Med Assoc J** 1981 Nov 15;125(10):1098–100
The ethics of biomedicine [editorial] Roy DJ. **Can Med Assoc J** 1981 Oct 1;125(7):689–91
Science, humanism and the Phase 1 trial. Young CW. **Clin Bull** 1981;11(1):3–4
Ethical issues in genetic screening and antenatal diagnosis. Fletcher JC. **Clin Obstet Gynecol** 1981 Dec;24(4):1151–68 (49 ref.)
Opinions on social policy issues. AMA Judicial Council. **Conn Med** 1982 Feb;46(2):99–102
A decerebrate patient: eighteen years of care. Field RE, et al. **Conn Med** 1981 Nov;45(11):717–23
The development of the doctrine of ordinary and extraordinary means of preserving life in Catholic moral theology before the Karen Quinlan case. McCartney JJ. **Conn Med** 1981 Nov;45(11):725–9
Comfort measures only for 'DNR' orders. Paris JJ. **Conn Med** 1982 Apr;46(4):195–9
Discontinuing treatment for the terminally ill: ethical considerations. Wolman MG. **Conn Med** 1981 Nov; 45(11):731–2
Gnosis and random allotment. Silverman WA. **Controlled Clin Trials** 1981 Jun;2(2):161–4
Medical, legal and ethical issues in critical care. Wallace-Barnhill G, et al. **Crit Care Med** 1982 Jan; 10(1):57–61
Endorphins and ethics. Ellenwood S, et al. **Ethics Sci Med** 1980;7(3–4):159–60
Ethical analysis of the risk-benefit issue in recombinant DNA research and technology. Franco VW. **Ethics Sci Med** 1980; 7(3–4):147–58
The ethics of cardiopulmonary resuscitation: another look. Gillick M. **Ethics Sci Med** 1980;7(3–4):161–9
Controlled trials – a social challenge. Comments on a recent controversy. Burkhardt R, et al. **Eur J Clin Pharmacol** 1981; 20(4):311–9
The ethical rights of the child patient. Bartholome WG. **Front Radiat Ther Oncol** 1981;16:156–66
Factitious illness: a multidisciplinary consideration of ethical issues. Ford CV, et al. **Gen Hosp Psychiatry** 1981 Dec; 3(4):329–36
Research and the frail elderly: ethical and methodological issues in controlled social experiments. Yordi CL, et al. **Gerontologist** 1982 Feb;22(1):72–7
Borderline hypertension: how and when to treat [letter] **Hastings Cent Rep** 1981 Dec;11(6):45–6
The last patient in a drug trial. **Hastings Cent Rep** 1981 Dec; 11(6):21–3
Two cardiac arrests, one medical team. **Hastings Cent Rep** 1982 Apr;12(2):24–5
Should physicians prepare for war? 1. The obligation to care for the casualties. Bisgard JC. **Hastings Cent Rep** 1982 Apr; 12(2):15–7
'To mend the heart': ethics & high technology. 3. The artificial heart. Caplan AL. **Hastings Cent Rep** 1982 Feb; 12(1):22–4
The 'student doctor' and a wary patient. Commentary. Cassell EJ. **Hastings Cent Rep** 1982 Feb;12(1):28
'To mend the heart': ethics & high technology. 2. Heart transplants. Christopherson LK. **Hastings Cent Rep** 1982 Feb;12(1):18–21
Medical ethics and political protest. Dooley-Clarke D. **Hastings Cent Rep** 1981 Dec;11(6):5–8
The 'student doctor' and a wary patient. Commentary. Dworkin G. **Hastings Cent Rep** 1982 Feb;12(1):27–8
Should physicians prepare for war? 2. Why survival plans are meaningless. Geiger HJ. **Hastings Cent Rep** 1982 Apr; 12(2):17–9
Is teaching ethics 'making' or 'doing'? Goodpaster KE. **Hastings Cent Rep** 1982 Feb;12(1):37–9
Should physicians prepare for war? 3. The moral bases of contingency planning. Johnson JT. **Hastings Cent Rep** 1982 Apr;12(2):19–20
Autonomy & the refusal of lifesaving treatment. Miller BL. **Hastings Cent Rep** 1981 Aug;11(4):22–8
Should physicians prepare for war? 4. The physician as moral leader. Murray TH. **Hastings Cent Rep** 1982 Apr;12(2):20–1
'To mend the heart': ethics & high technology. 1. Coronary artery bypass surgery. Randal J. **Hastings Cent Rep** 1982 Feb;12(1):13–8
A psychologist looks at the teaching of ethics. Rest JR. **Hastings Cent Rep** 1982 Feb;12(1):29–36
Dilemma in Danville. Robertson JA. **Hastings Cent Rep** 1981 Oct;11(5):5–8
Were Tuskegee & Willowbrook 'studies in nature'? Rothman DJ. **Hastings Cent Rep** 1982 Apr;12(2):5–7
Ethical conflicts in medical social work: pediatric cancer care as a prototype. Ross JW. **Health Soc Work** 1982 May; 7(2):95–102
Survival by selection in respiratory failure. Chusid EL. **Hosp Pract** 1982 Aug;17(8):11, 15
Philosophers prime physicians for ethical dilemmas. Kahn L. **Hospitals** 1982 Sep 16;56(18):162, 165–6
Doctors call nuclear war 'greatest medical problem of our time'. Mickel C, et al. **Hospitals** 1982 Jul 1;56(13):25
Female genital mutilation in the world today: a global review. Hosken FP. **Int J Health Serv** 1981;11(3):415–30
Ethical issues in psychiatric research. Dickens BM. **Int J Law Psychiatry** 1981;4(3–4):271–92
Competence, marginal and otherwise: concepts and ethics. Freedman B. **Int J Law Psychiatry** 1981;4(1–2):53–72
Medicine--an ailing profession? O'Dwyer E. **Ir Med J** 1982 Jun;75(6):214–6
Invasive research and ethics [letter] Keith C. **J Am Acad Child Psychiatry** 1982 Jan;21(1):92–3
Prenatal diagnosis [letter] **J Am Acad Dermatol** 1981 Dec; 5(6):700–2
Ethical aspects of primary preventive measures among the institutionalized elderly. Craig TJ. **J Am Geriatr Soc** 1982 Jul;30(7):475–6
Ethical considerations in critical and terminal illness in the elderly. Levenson SA, et al. **J Am Geriatr Soc** 1981 Dec; 29(12):563–7
Myths and assumptions of antiabortionists. **J Am Med Wom Assoc** 1982 Mar;37(3):74–6
Ethical basis for medical decisions--critical medical decisions. Fisher JV. **J Arkansas Med Soc** 1981 Sep; 78(4):149–51
Randomized clinical trials--am I by brother's keeper? Katz J. **J Clin Gastroenterol** 1981;3(Suppl 2):141–6
Some considerations of bioethics in geriatrics. Lawton AH. **J Fla Med Assoc** 1982 Apr;69(4):310–3
Termination of life support systems in the elderly. Ethical issues. Rock Levinson AJ. **J Geriatr Psychiatry** 1981; 14(1):71–85
Kidneys, ethics, and politics: policy lessons of the ESRD experience. Caplan AL. **J Health Polit Policy Law** 1981 Fall;6(3):488–503
The worker's right-to-know: obstacles, ambiguities and loopholes. Richter ED. **J Health Polit Policy Law** 1981 Summer;6(2):339–46
Professional norms, personal attitudes, and medical practice: the case of abortion. Nathanson CA, et al. **J Health Soc Behav** 1981 Sep;22(3):198–211
Ethical dilemmas in transplantation. West JC, et al. **J Iowa Med Soc** 1981 Sep;71(9):379–81
David X: economics and medical ethics. Hudson RP. **J Kans Med Soc** 1982 Jun:83(6):299–301
Amniocentesis and the apotheosis of human quality control. Nolan-Haley JM. **J Leg Med (Chicago)** 1981 Sep; 2(3):347–63
The Morehouse Human Values in Medicine Program, 1978–1980: reinforcing a commitment to primary care. Hunter K, et al. **J Med Educ** 1982 Feb;57(2):121–3
Using simulated case studies to evaluate a clinical ethics course for junior students. Siegler M, et al. **J Med Educ** 1982 May;57(5):380–5
Development and validation of a test instrument for assessing value preferences in medical ethics. Stolman CJ, et al. **J Med Educ** 1982 Mar;57(3):170–9
Severely handicapped infants [editorial] **J Med Ethics** 1981 Sep;7(3):115–6
Medical ethics and medical education [editorial] **J Med Ethics** 1981 Dec;7(4):171–2
Clinical research on children [editorial] **J Med Ethics** 1982 Mar;8(1):3–4, 11
Medical mismanagement or patient vacillation? Bamford PN. **J Med Ethics** 1981 Dec;7(4):179–181
The 1980 Reith Lectures--some reactions. Agreements and disagreements. Black D. **J Med Ethics** 1981 Dec;7(4):173–6
Medical ethics and child psychiatry. Black D, et al. **J Med Ethics** 1982 Mar;8(1):5–8
Are pseudo-patient studies justified? Bulmer M. **J Med Ethics** 1982 Jun;8(2):65–71
Unmasking or demythologising medicine? Carson RA. **J Med Ethics** 1981 Dec;7(4):184–6
The threat to political dissidents in Kennedy's approach to mental illness. Clare A. **J Med Ethics** 1981 Dec;7(4):194–6
The pregnant Jehovah's Witness. Drew NC. **J Med Ethics** 1981 Sep;7(3):137–9
'Section 47'. Gray JA. **J Med Ethics** 1981 Sep;7(3):146–9
Changing practice on confidentiality: a cause for concern. Commentary 2: Confidentially speaking. Green M. **J Med Ethics** 1982 Mar;8(1):21–4
Ethical problems in the management of some severely handicapped children. Harris J. **J Med Ethics** 1981 Sep; 7(3):117–24
Venial sin--a case for specific transmission of information? Higgs R. **J Med Ethics** 1981 Sep;7(3):155–7
Changing practice on confidentiality: a cause for concern. Commentary 1: Confidentiality: the dangers of anything weaker than the medical ethic. Jacob JM. **J Med Ethics** 1982 Mar;8(1):18–21
The 1980 Reith Lectures--some reactions. A response to the critics. Kennedy I. **J Med Ethics** 1981 Dec;7(4):202–11
Ethical aspects of plans to combat Huntington's disease--a response. Kottow MH. **J Med Ethics** 1981 Sep;7(3):140–1
Letter from Germany. Kottow MH. **J Med Ethics** 1982 Mar; 8(1):44–7
Selection of patients. Leenen HJ. **J Med Ethics** 1982 Mar; 8(1):33–6
The drawbacks of research ethics committees. Lewis PJ. **J Med Ethics** 1982 Jun;8(2):61–4
Changing practice on confidentiality: a cause for concern. Pheby DF. **J Med Ethics** 1982 Mar;8(1):12–8
The 1980 Reith Lectures--some reactions. A medical student's response. Schamroth A. **J Med Ethics** 1981 Dec; 7(4):191–3
Professional ethics--for whose benefit? Sieghart P. **J Med Ethics** 1982 Mar;8(1):25–32
Medical involvement in procreation: how far? Towers B. **J Med Ethics** 1982 Jun;8(2):100–1
Five ethical doctrines for medical education. Tweel WT Jr. **J Med Ethics** 1982 Mar;8(1):37–9
I'm still proud to be a doctor, Mr Kennedy. Wilkes E. **J Med Ethics** 1981 Dec;7(4):177–9
The place of confinement--a question of statistics or ethics? Zander LI. **J Med Ethics** 1981 Sep;7(3):125–7
'Role' as a moral concept in health care. Bowie NE. **J Med Philos** 1982 Feb;7(1):57–63
Collective responsibility and the practice of medicine. French PA. **J Med Philos** 1982 Feb;7(1):65–85
Rights and responsibilities. Ketchum SA, et al. **J Med Philos** 1981 Aug;6(3):271–80
Collective responsibility in health care. Newton LH. **J Med Philos** 1982 Feb;7(1):11–21
Three models of group choice. Ozar DT. **J Med Philos** 1982 Feb;7(1):23–34
The ethics of collective judgments in medicine and health care. Pellegrino ED. **J Med Philos** 1982 Feb;7(1):3–10
Medical foundations of various approaches to medical-ethic decision-making. Pinkus RL. **J Med Philos** 1981 Aug; 6(3):295–307
Risks of research on children [letter] **J Pediatr** 1982 Jan; 100(1):166–8
Rethinking medical ethics. Kennedy I. **J R Coll Surg Edinb** 1982 Jan;27(1):1–8
The Lucas Lecture 1981. Professional ethics--for whose benefits? Sieghart P. **J Soc Occup Med** 1982 Jan;32(1):4–14
Medical ethics: 'zebras' vs. 'horses'. Graber GC, et al. **J Tenn Med Assoc** 1982 Jan;75(1):22–3
Reflections on ethics and behavior. Zirkle GA Jr. **J Tenn Med Assoc** 1981 Mar;74(3):205
The ethics of in utero surgery. Barclay WR, et al. **JAMA** 1981 Oct 2;246(14):1551–2, 1554–5
Truth telling in medicine [letter] Boverman M. **JAMA** 1982 Sep 17;248(11):1307
Jehovah's Witnesses. The surgical/ethical challenge. Dixon JL, et al. **JAMA** 1981 Nov 27;246(21):2471–2
On the nature and ethics of phase I clinical trials of cancer chemotherapies. Lipsett MB. **JAMA** 1982 Aug 27; 248(8):941–2
Ethical issues in informed consent. Research on medical cost containment. Mahler DM, et al. **JAMA** 1982 Jan 22–29; 247(4):481–5
Medical ethics and torture [letter] Sagan LA, et al. **JAMA** 1982 Sep 17;248(11):1307–8
Human in vitro fertilization. A conservative view. Tiefel HO. **JAMA** 1982 Jun 18;247(23):3235–42
Maternal brain death: an ethicist's thoughts [editorial] Veatch RM. **JAMA** 1982 Sep 3;248(9):1102–3
Exclusion from dialysis: a sociologic and legal perspective. Fox RC. **Kidney Int** 1981 May;19(5):739–51
Operation on infant with Down syndrome [letter] **Lancet** 1981 Sep 12;2(8246):586
After the trial at Leicester [editorial] **Lancet** 1981 Nov 14; 2(8255):1085–6
Medical Ethics [editorial] **Lancet** 1982 Jan 30;1(8266):260–1
Development of an ethical committee and its effect on research design. Allen PA, et al. **Lancet** 1982 May 29; 1(8283):1233–6
Acquittal of paediatrician charged after death of infant with Down syndrome. Brahams D. **Lancet** 1981 Nov 14; 2(8255):1101–2
Ethics of amniocentesis and selective abortion for sickle cell disease [letter] Konotey-Ahulu FI. **Lancet** 1982 Jan 2; 1(8262):38–9
Equity of access to medical care: a conceptual and empirical overview. Aday LA, et al. **Med Care** 1981 Dec;19(12 Suppl):4–27
New medical ethics. Prioreschi P. **Med Hypotheses** 1981 Oct; 7(10):1253–6
The ethics of informed consent-protection, peril and pain ... for whom [editorial] Harken DE. **Med Instrum** 1981 May-Jun;15(3):149–50
Ethics in day to day medicine [editorial] **Med J Zambia** 1980 Oct-Nov;14(6):93–102
Medical research: law and ethics. Samuels A. **Med Sci Law** 1981 Oct;21(4):295–8
The ethics of experimental design: A response. Borreson PM. **Ment Retard** 1981 Dec;19(6):275–6
The ethics of experimental design. Noonan MJ, et al. **Ment Retard** 1981 Dec;19(6):271–4
These cases could bear on every MD. Kerr AS. **Mich Med** 1982 May;81(24):264
Medical ethics – are they different for the military physician? Howe EG. **Milit Med** 1981 Dec;146(12):837–41
The interface of clinical and ethical decisions in the care of the elderly. Libow LS. **Mt Sinai J Med (NY)** 1981 Nov-Dec;48(6):480–8
Selective birth in twin pregnancy [letter] **N Engl J Med** 1981 Nov 12;305(20):1218–9
Ethical issues in decision analysis [letter] **N Engl J Med** 1982

Mar 11;306(10):613–5
Hidden ethical issues in clinical decision analysis. Brett AS. **N Engl J Med** 1981 Nov 5;305(19):1150–2
A new medical oath [letter] Moles AA. **N Engl J Med** 1982 Sep 16;307(12):761
The ethics of the randomized clinical trial. Schafer A. **N Engl J Med** 1982 Sep 16;307(12):719–24
Test-tube babies pilloried again [news] **Nature** 1982 Feb 11; 295(5849):445
Ethics, law, and role models. Chapman CB. **Neurosurgery** 1981 Nov;9(5):497–500
Abortion. **NZ Med J** 1981 Dec 23;94(698):472–3
The challenge to medicine–an analysis of the 1980 Reith lectures. Scott PJ. **NZ Med J** 1981 Dec 23;94(698):454–6
Are ethics necessary in medical care? Weddell W. **NZ Med J** 1981 Sep 9;94(691):184–8
Ethics and medicine [letter] Young BH. **NZ Med J** 1981 Oct 28;94(694):317
Medical ethics in the nuclear age. MacLeod GK. **Pa Med** 1981 Sep;84(9):25–33
Teaching medical ethics in a pediatric training program. Fleischman AR. **Pediatr Ann** 1981 Oct;10(10):51–3
Ethical issues in the treatment of critically ill newborns. Fost N. **Pediatr Ann** 1981 Oct;10(10):16–22
An ethical issue in pediatric cancer care: nondisclosure of a fatal prognosis. Leikin SL. **Pediatr Ann** 1981 Oct; 10(10):37–41, 44–5
Amniocentesis and selective abortion. Silber TJ. **Pediatr Ann** 1981 Oct;10(10):31–4
Ethical considerations in the medical care of adolescents and thier parents. Silber TJ. **Pediatr Ann** 1981 Oct;10(10):46–8
Introduction: bioethics and the pediatrician. Silber TJ. **Pediatr Ann** 1981 Oct;10(10):381–2
Ethical and legal issues in pediatric drug research. Cohen SN. **Pediatr Pharmacol (New York)** 1980;1(1):25–9
Counselling for sexual problems. Ethical issues and decision–making. Oppenheimer C, et al. **Practitioner** 1981 Nov;225(1361):1623–33
Troubling problems in medical ethics. Proceedings of the 1980 and 1981 Conferences on Ethics, Humanism, and Medicine, University of Michigan, Ann Arbor. **Prog Clin Biol Res** 1981;76:1–284
The right to privacy when lives are at stake. Abrams GD. **Prog Clin Biol Res** 1981;76:257–68
When doctor and nurse disagree: an interface of politics and ethics. Aroskar MA. **Prog Clin Biol Res** 1981;76:187–92
Troubling problems in medical ethics. Acting with uncertainty. Basson MD. **Prog Clin Biol Res** 1981;76:3–8
Troubling problems in medical ethics. Approaches to ethics. Basson MD. **Prog Clin Biol Res** 1981;76:145–9
The right to privacy when lives are at stake. Caplan AL. **Prog Clin Biol Res** 1981;76:245–55
Competency and the right to refuse treatment: who's in charge? Goldman EB. **Prog Clin Biol Res** 1981;76:157–67
Redistributing physician services: some ethical issues. Lukomnik JE. **Prog Clin Biol Res** 1981;76:227–34
Stop the draft: why compulsory redistribution of physicians would be wrong. Stell LK. **Prog Clin Biol Res** 1981; 76:213–25
The right to privacy when lives are at stake. Case for discussion. Winkelman L, et al. **Prog Clin Biol Res** 1981; 76:241–3
The Bureau of Drugs Symposium on the Development of Psychopharmacologic Drugs for the Cognitively and Emotionally Impaired Elderly: background and aims. Some ethical and legal considerations. Schwartz R. **Psychopharmacol Bull** 1981 Oct;17(4):64–73
The ethics of medical consultation. Moser RH. **QRB** 1982 Feb;8(2):2–4
Ethical Decision–Making in quality assurance. Wendorf B. **QRB** 1982 Jan;8(1):4–6
Medical ethics instruction––a method that works. Penning TG. **Radiol Technol** 1981 Mar–Apr;52(5):475–80
Approach to deontology : meeting the demands of future physicians. Scripcaru G. **Rev Med Chir Soc Med Nat Iasi** 1981;85(1):161–4
Hunger–strikes [editorial] **S Afr Med J** 1982 Jul 17;62(3):77
Reagan alters makeup of ethics panel [news] Culliton BJ. **Science** 1982 Aug 20;217(4561):715–6
Scientist convicted for monkey neglect [news] Holden C. **Science** 1981 Dec 11;214(4526):1218–20
Alzheimer's research poses dilemma [news] Kolata G. **Science** 1982 Jan 1;215(4528):47–8
Rehnquist's drug dependence poses dilemma [news] Marshall E. **Science** 1982 Jan 22;215(4531):379–80
Cline loses two NIH grants [news] Sun M. **Science** 1981 Dec 11;214(4526):1220
Ethical considerations in randomized clinical trials. Wikler D. **Semin Oncol** 1981 Dec;8(4):437–41
The social issues and ethics of end stage renal disease (ESRD) management. Khoo OT. **Singapore Med J** 1982 Feb; 23(1):4–11
1981 SMA lecture: ethics, the profession and the nation. Lim AS. **Singapore Med J** 1981 Aug;22(4):187–91
Oaths given by U.S. and Canadian medical schools, 1977: profession of medical values. Friedlander WJ. **Soc Sci Med** 1982;16(1):115–20
Ethical complications of clinical therapeutic research on children. Thomasma DC, et al. **Soc Sci Med** 1982; 16(8):913–9
Ethical aspects of access to medical care. **Soc Sci Med [F]** 1981 Dec;15F(4):127–66
Triage in medical practices: an unacceptable model? Bell NK. **Soc Sci Med [F]** 1981 Dec;15F(4):151–6
What is the obligation of the medical profession in the distribution of health care? Daniels N. **Soc Sci Med [F]** 1981 Dec;15F(4):129–33
Ethics of behavior modification: behavioral and medical psychology. Innis NK. **Soc Sci Med [F]** 1981 Mar; 15F(1):69–73
Paternalism: medical or otherwise. Lomas HD. **Soc Sci Med [F]** 1981 Sep;15(2–3):103–6
Medical technology and the crisis of experience: the costs of clinical legitimation. Fiough AL. **Soc Sci Med [F]** 1981 Sep;15(2–3):89–101
Presidential address. Seldin DW. **Trans Assoc Am Physicians** 1981;94:lxxv–lxxxvi
Human experimentation and medical ethics, International guidelines for biomedical research involving human subjects. Gutteridge F. **WHO Chron** 1981;35(6):212–5
[Legal aspects of research and practice in fertility control] Štěpán J. **Cesk Gynekol** 1981 Apr;46(3):212–6 (Cze)
[Ethics – a component of therapeutic and preventive care of children and adolescents. Part 2] Rubin A. **Cesk Pediatr** 1981 Apr;36(4):218–26 (Eng. Abstr.) (Cze)
[Legal regulations regarding the doctor–patient relationship] Stolinová J. **Cesk Zdrav** 1981 Sep;29(8–9):359–64 (Eng. Abstr.) (Cze)
[Ethics, norms and values in clinical work] Aggernaes A. **Ugeskr Laeger** 1982 Jan 25;144(4):227–32 (Eng. Abstr.) (Dan)
[Arrogance] Ingelfinger FJ. **Ned Tijdschr Geneeskd** 1982 Jan 9;126(2):41–5 (Dut)
[The Medico–legal Commission of Monaco. The statute on the medical profession in times of armed conflict] **Ann Droit Int Med** 1980–81;(29):11–37 (Fre)
[The Medico–legal Commission of Monaco. Additional protocols to the Geneva Convention of 12 August 1949 and their protective powers] **Ann Droit Int Med** 1980–81; (29):38–82 (Fre)
[Ethical problems posed by protocols of studies of anti–arrhythmia agents] Nicolas G. **Arch Mal Coeur** 1981 Dec;74 Spec No:97–101 (Eng. Abstr.) (Fre)
[Social medicine, professional secrecy and humanism] Baruk H. **Bull Acad Natl Med (Paris)** 1981 Feb;165(2):205–11 (Fre)
[Social medicine, professional secrecy and humanism] Lortat–Jacob JL. **Bull Acad Natl Med (Paris)** 1981 Feb; 165(2):285 (Fre)
[Ethical aspects of intervention studies (author's transl)] Jeanneret O, et al. **Rev Epidemiol Sante Publique** 1981; 29(3):269–79 (Eng. Abstr.) (Fre)
['Withholding succour' and the 'obligation to give medical assistance' with special reference to the time of death (author's transl)] Kleiber M. **Anasth Intensivther Notfallmed** 1981 Dec;16(6):350–2 (Eng. Abstr.) (Ger)
[Our experiences in the instruction of medical deontology] Milčinski J. **Beitr Gerichtl Med** 1981;39:209–12 (Eng. Abstr.) (Ger)
[Legal value of ethics commissions] Eser A, et al. **Dtsch Med Wochenschr** 1982 Mar 26;107(12):443–7 (Ger)
[Ethics commissions in medicine] Piechowiak H. **Fortschr Med** 1982 Jun 10;100(22):1023–6 (Ger)
[Ensuring the quality of the physician's performance between intention and ability. 1: Bases for quality control] Selbmann HK, et al. **Fortschr Med** 1982 Mar 4;100(9):339–41, 380 (Ger)
[Task and execution method of an ethics committee with the example of the Tubingen Ethics Committee] Malchow H, et al. **Internist (Berlin)** 1982 Apr;23(4):227–32 (Ger)
[Moral–theological aspects of transplantation surgery] Böckle F. **Med Welt** 1981 Nov 20;32(47):1783–6 (Ger)
[Genetic counseling, prenatal diagnosis and ethics. Position in the publication of the Scientific Committee of German Physicians 'Genetic Counseling and prenatal diagnosis in West Germany'] Eibach U, et al. **Med Welt** 1981 Sep 25; 32(39):1453–5 (Ger)
[Disease: logos and ethos. The relationship of knowledge and the treatment principle in medicine] Magin MN. **Med Welt** 1982 Feb 26;33(8):294–7 (Ger)
[Ethical problems in the testing of new cytostatic agents] Bruntsch U. **MMW** 1982 Apr 16;124(15):361 (Ger)
[Insemination techniques and ethical problems (author's transl)] Lauritzen C. **MMW** 1981 May 15;123(20):833–6 (Eng. Abstr.) (Ger)
[How free is the medical profession?] Sehrt U. **MMW** 1982 Jul 2;124(26):54–5, 58 (Ger)
[The paramedical approach and medical ethics (author's transl)] Ewerbeck H. **Monatsschr Kinderheilkd** 1982 Feb; 130(2):78–81 (Eng. Abstr.) (Ger)
[Changes in medical ethics (author's transl)] Rössler D. **Monatsschr Kinderheilkd** 1982 Feb;130(2):75–7 (Eng. Abstr.) (Ger)
[Ethical conflicts in genetic counselling during pregnancies (author's transl)] Schroeder TM. **Monatsschr Kinderheilkd** 1982 Feb;130(2):71–4 (Eng. Abstr.) (Ger)
[In vitro fertilization and embryo transfer, medical and ethical considerations (author's transl)] Conti A. **Praxis** 1982 Apr 6;71(14):575–81 (Ger)
[Philosophical fragments of a doctor's ethos (author's transl)] Höffe O. **Praxis** 1981 Oct 6;70(41):1787–94 (Eng. Abstr.) (Ger)
[Ethical and material aspects of developing artificial organs] Schaldach M. **Verh Dtsch Ges Inn Med** 1981;87:1362–5 (Ger)
[Euthanasia between mercy death and allowing to die] Piechowiak H. **Wien Med Wochenschr** 1981 Oct 15; 131(19):465–9 (Ger)
[Man, problems of values and a discussion of abortion] Straass G. **Z Arztl Fortbild (Jena)** 1981 Apr 15;75(8):391–6 (Ger)
[History and results achieved in the debate on the physician's duty concerning life preservation in the developmental process of our socialist public health service] Hahn S, et al. **Z Gesamte Hyg** 1981 Apr;27(4):296–305 (Eng. Abstr.) (Ger)
[Main points in the development of ethical discussion on the control of tuberculosis in scientific publications from 1900 to 1932] Hahn S. **Z Gesamte Hyg** 1982 Mar;28(3):193–201 (Eng. Abstr.) (Ger)
[Ethical problems in mass burn disasters (author's transl)] Röding H. **Zentralbl Chir** 1981;106(18):1204–9 (Eng. Abstr.) (Ger)
[Medical ethics discussed] **ZFA (Stuttgart)** 1982 Jan 31; 58(3):137–41 (Ger)
[Is medical ethics a borderline science?] Gahl K, et al. **ZFA (Stuttgart)** 1982 Jan 31;58(3):142–5 (Ger)
[From tranquillizers to political justice–or: the physician's common sense] Heubel F. **ZFA (Stuttgart)** 1982 Jan 31; 58(3):127–9 (Ger)
[The 'story' concept in medical ethics] Ritschl D. **ZFA (Stuttgart)** 1982 Jan 31;58(3):121–6 (Ger)
[The rights of the patient. Proceedings of a round–table discussion] **Ann Osp Maria Vittoria Torino** 1980 Jan–Jun; 23(1–6):3–56 (Ita)
[Resuscitation in France––development of a new concept and ethical and socio–economic limitations (author's transl)] Pocidalo JJ. **Masui** 1981 May;30(5):506–13 (Jpn)
[Ethics and psychiatric therapy. Abstracts] **Seishin Shinkeigaku Zasshi** 1981;83(11):745–81 (Jpn)
[Medical ethics in the contemporary world (editorial)] Correia JP. **Acta Med Port** 1981 Mar–Apr;3(2):73–5 (Por)
[Values and human medicine (editorial)] Fernandes B. **Acta Med Port** 1981 Sep–Dec;3(5–6):319–22 (Por)
[Methodological and ethical problems of resuscitation] Ivaniushkin AIa, et al. **Anesteziol Reanimatol** 1981 Jul–Aug; (4):44–8 (Eng. Abstr.) (Rus)
[Deontological problems in resuscitation] Negovskiĭ VA. **Anesteziol Reanimatol** 1981 Nov–Dec;(6):3–4 (Rus)
[Ethical and deontological aspects of experimental work with students in a department of operative surgery and topical anatomy] Musienko VD, et al. **Arkh Anat Gistol Embriol** 1981 Oct;81(11):108–10 (Rus)
[Deontological procedures in realizing a preventive health inspection] Borisenko NF. **Gig Sanit** 1981 Sep;(9):33–5 (Rus)
[Ethical requirements from the public health officer as evaluated by systems analysis] Strwmousov BA, et al. **Gig Sanit** 1982 Feb;(2):45–8 (Rus)
[Occupational deontological training of the health officer] Vankhanen VD, et al. **Gig Sanit** 1981 Sep;(9):35–6 (Rus)
[Deontological problems in surgery] Manevich VL, et al. **Klin Med (Mosk)** 1981 Oct;59(10):12–6 (Rus)
[Deontological aspects of phthisiology] Smirnov GA. **Klin Med (Mosk)** 1981 Dec;59(12):88–92 (25 ref.) (Eng. Abstr.) (Rus)
[Deontological aspects in endocrinology] Soltakhanov RM. **Probl Endokrinol (Mosk)** 1982 Mar–Apr;28(2):42–4 (Rus)
[Present–day problems of deontology in phthisiology] **Probl Tuberk** 1981 Nov;(11):3–6 (Rus)
[Moral and ethical problems of modern public health] Aleksandrov OA, et al. **Sov Zdravookhr** 1981;(9):21–4 (Rus)
[Role of the history of medicine in the deontological training of medical workers] Iarovinskiĭ MIa. **Sov Zdravookhr** 1982; (4):51–3 (Rus)
[Medical ethics problems in international and national documents] Korotkikh RV. **Sov Zdravookhr** 1982;(2):61–5 (Rus)
[Student deontological education] Kryzhanovskaia II, et al. **Sov Zdravookhr** 1982;(6):49–52 (Rus)
[Moral education of medical workers] Logvinenko IA, et al. **Sov Zdravookhr** 1982;(6):37–9 (Rus)
[Moral and ethical behavior standards for medical workers in the People's Republic of Bulgaria] Shishkov TT. **Sov Zdravookhr** 1981;(11):47–9 (Rus)
[Features of medical deontology in forensic psychiatry] Bobrova IN, et al. **Sud Med Ekspert** 1982 Jan–Mar; 25(1):44–9 (Rus)
[On the practice of medicine] Bilibin AF. **Ter Arkh** 1981; 53(5):8–10 (Rus)
[Moral, ethical and legal aspects of the activities of medical workers in the USSR] Gromov AP. **Ter Arkh** 1981; 53(5):14–7 (Rus)
[Reflections on medical duties] Komarov FI, et al. **Ter Arkh** 1981;53(5):18–20 (Rus)
[Various theoretical problems of medical ethics and medical deontology] Lisitsyn IuP. **Ter Arkh** 1981;53(5):10–3 (Rus)
[Ethical aspects of scientific creativity and its special characteristics in medicine] Ivanov NR, et al. **Vestn Akad Med Nauk SSSR** 1981;(4):86–93 (Rus)

[Deontology in the practice of the otorhinolaryngologist] Chichkin NG. **Voen Med Zh** 1981 Sep;(9):54–5 **(Rus)**
[Daily attention to the creation of high moral and professional qualities in medical personnel] Glukhov IuD. **Voen Med Zh** 1981 Nov;(11):7–10 **(Rus)**
[Social bases of medical ethics] Kolesnikov IS, et al. **Voen Med Zh** 1982 Mar;(3):11–7 **(Rus)**
[Deontological problems in the rehabilitative treatment of oncological patients] Gerasimenko VN, et al. **Vopr Onkol** 1982;28(5):48–52 **(Rus)**
[Deontological problems in the treatment of proctologic diseases] Baltaitis IuV, et al. **Vrach Delo** 1981 Dec;(12):16–9 **(Rus)**
[Deontological aspect of the 'physician–patient' problem in Soviet medicine] Goza León J. **Vrach Delo** 1982 May;(5):109–11 **(Rus)**
[Medical workers against war (author's transl)] **Lijec Vjesn** 1981 Dec;103(12):570–3 (Eng. Abstr.) **(Scr)**
[Ethical dilemmas in health priorities (author's transl)] Mimica MM. **Lijec Vjesn** 1982 Jan;104(1):31–2 **(Scr)**
[Psychiatrists confronting the rights of man] Giuseppe Campailla D. **An R Acad Nac Med (Madr)** 1981; 98(3):463–72 (Eng. Abstr.) **(Spa)**
[Medical ethics and medical education] Acuña HR. **Bol Of Sanit Panam** 1981 Jun;90(6):471–7 **(Spa)**
[Ethical principles in experimental research with human beings] Pérez-Miravete A. **Bol Of Sanit Panam** 1981 Dec; 91(6):546–50 **(Spa)**
[International ethical guides for human experimentation (editorial)] **Gac Med Mex** 1981 Oct;117(10):387–9 **(Spa)**
[Ethics in human experimentation] Pérez-Miravete A. **Gac Med Mex** 1982 Mar;118(3):83–92 **(Spa)**
[Medical liability and medical ethics (author's transl)] Cruz-Coke R. **Rev Med Chil** 1980 Dec;108(12):1147–9 (Eng. Abstr.) **(Spa)**
[Medical ethics—an expendable subject?] Herranz G. **Rev Med Univ Navarra** 1981 Dec;25(4):63–5 **(Spa)**
[Medicine at the service of mankind] John Paul 2d Pope. **Rev Med Univ Navarra** 1980 Dec;24(4):61–3 contd **(Spa)**
[The Arhus comments 4. Ethical considerations in epidemiological research] Rosenqvist U. **Nord Med** 1981 Nov;96(11):288–9 **(Swe)**
[Ethics, research and beliefs] Troupp H. **Nord Med** 1981 Dec; 96(12):326–7 **(Swe)**

HISTORY

Proceedings of the State Medical Convention, held in Raleigh, April, 1849, and Constitution and Medical Ethics of the Medical Society of the State of North Carolina, then adopted. **NC Med J** 1982 Mar;43(3):212–21
[Medical ethics in the pages of the journal Casopis kékařu českých (Journal of Czech Physicians) in the first half century of its existence (author's transl)] Adamec J. **Cas Lek Cesk** 1981;120(52):1589–93 (Eng. Abstr.) **(Cze)**
[Remembering the past. Jehan Yperman and medical ethics] Colard A. **Rev Med Brux** 1982 Mar;3(3):171–2 **(Fre)**
[Medical ethics in a course on the history of medicine] Belov SI. **Sov Med** 1981;(6):116–7 **(Rus)**
[N.I. Pirogov and problems of medical ethics (on the centennial of his death)] Korotkikh RV. **Sov Zdravookhr** 1981;(12):54–7 **(Rus)**

ETHICS, NURSING

Dilemmas in practice: whom can you tell? Davis AJ. **Am J Nurs** 1981 Nov;81(11):2078
Dilemmas in practice: no code? Slow code? Show Code? Huttman BR. **Am J Nurs** 1982 Jan;82(1):133–6
Dilemmas in practice. Keeping a promise. Leff E. **Am J Nurs** 1982 Jul;82(7):1136–8
What's best for Willie? Shufer S. **Am J Nurs** 1982 Mar; 82(3):470–2
Helping your staff address ethical dilemmas. Davis AJ. **J Nurs Adm** 1982 Feb;12(2):9–13
Values and nursing ethics: a bibliography. Winkler L, et al. **J Psychiatr Nurs** 1981 Apr;19(4):19–20
Abortion ethics. Fromer MJ. **Nurs Outlook** 1982 Apr; 30(4):234–40
When doctor and nurse disagree: an interface of politics and ethics. Aroskar MA. **Prog Clin Biol Res** 1981;76:187–92

ETHICS, PROFESSIONAL

Piratism of scientific work [letter] Awidi AS. **Acta Haematol (Basel)** 1982;67(2):142–3
Dilemmas in practice. Questioning TPN as the answer. Hushen SC. **Am J Nurs** 1982 May;82(5):852–4
Societal pressures affecting traditional concepts of professionalism: is professionalism changing in optometry? Haffner AN. **Am J Optom Physiol Opt** 1982 May; 59(5):386–8
Academy forum: ethics and professionalism. Heath GG. **Am J Optom Physiol Opt** 1982 May;59(5):375–7
Dealing with the consumerist environment: the optometrist's lawyer looks at his client's dilemma. Lane MJ. **Am J Optom Physiol Opt** 1982 May;59(5):384–5
Fostering ethical values in health professions education. Overholt WA. **Am J Optom Physiol Opt** 1982 May; 59(5):378–80
What do we mean when we speak of 'ethics' for health professionals? Vaux KL. **Am J Optom Physiol Opt** 1982 May;59(5):381–3
Ethical implications of the children's rights movement for professionals. Mearig JS. **Am J Orthopsychiatry** 1982 Jul; 52(3):518–29
President's message: The ethics of forensic psychiatry. Sidley NT. **Bull Am Acad Psychiatry Law** 1980;8(4):iv–viii
Center for the Study of Ethics in the Professions. Frankel MS. **Conn Med** 1981 Dec;45(12):777–8
Scientific fraud and scientific ethics. Weinstein D. **Conn Med** 1981 Oct;45(10):655–8
The contingent fee: disciplinary rule, ethical consideration, or free competition? Busath LE. **Dent Clin North Am** 1982 Apr;26(2):341–52 (13 ref.)
The ethical framework of medical/dental malpractice litigation. Keenan PA. **Dent Clin North Am** 1982 Apr; 26(2):245–52 (20 ref.)
Fraud in science: how much, how serious? Woolf P. **Hastings Cent Rep** 1981 Oct;11(5):9–14
Social work dilemma: when religion and medicine clash. Rockowitz RJ, et al. **Health Soc Work** 1981 Nov;6(4):5–11
Emerging ethical issues in college mental health services. Hersh JB, et al. **J Am Coll Health Assoc** 1981 Oct; 30(2):61–3
Ethics revisited; further ethical explorations for biocommunicators. Salladay S, et al. **J Biocommun** 1982 Mar;9(1):23–6
Ethical aspects of the right to refuse medication: a clinicolegal dilemma for the psychiatrist and patient. Eisenberg GC, et al. **Psychiatr Q** 1981 Summer;53(2):93–9
Ethics of prediction of future dangerousness. Hays JR. **Psychol Rep** 1981 Oct;49(2):593–4
Code of ethics: professional and legal implications. Warner SL. **Radiol Technol** 1981 Mar–Apr;52(5):485–94
The ethics of psychological research. **Soc Sci Med [F]** 1981 Mar;15F(1):1–84
The moral role differentiation of experimental psychologists. Bassford HA. **Soc Sci Med [F]** 1981 Mar;15F(1):27–31
Some recent ethical concerns of psychologists in Britain. Blackman DE. **Soc Sci Med [F]** 1981 Mar;15F(1):3–11
Ethical considerations in the aversive control of behavior. Davis H. **Soc Sci Med [F]** 1981 Mar;15F(1):61–7
To do or not to do: dimensions of value and morality in experiments with animal and human subjects. Keehn JD. **Soc Sci Med [F]** 1981 Mar;15F(1):81–4
Ethics and the work of psychologists in the field of criminal justice. Norton WA. **Soc Sci Med [F]** 1981 Mar; 15F(1):39–49
The ethics of experiments on higher animals. Ross MW. **Soc Sci Med [F]** 1981 Mar;15F(1):51–60
Professional ethics [editorial] Smith HL. **Soc Sci Med [F]** 1981 Sep;15(2–3):87–8
Sweating at night: some ethical paradoxes confronting social psychological research. Wiesenthal DL. **Soc Sci Med [F]** 1981 Mar;15F(1):33–7
Ethical dilemmas for social workers in discharge planning. Abramson M. **Soc Work Health Care** 1981 Summer; 6(4):33–42
[Economic and moral consequences of medical progress] Bernard J. **Rev Med Suisse Romande** 1982 Jan;102(1):83–93 **(Fre)**
[Necessity of an ethics committee in a research center] Leduc G. **Union Med Can** 1982 Mar;111(3):255–6 (Eng. Abstr.) **(Fre)**

ETHIDIUM

An ethidium ion selective electrode and its application to DNA–ethidium binding. Blanton TN, et al. **Biochem Biophys Res Commun** 1981 Sep 16;102(1):219–25
Structural effects on the circular dichroism of ethidium ion–nucleic acid complexes. Dahl KS, et al. **Biochemistry** 1982 May 25;21(11):2730–7
Visualization of DNA in various phages (T4, chi, T7, phi 29) by ethidium bromide epi-fluorescent microscopy. Kuroiwa T, et al. **Experientia** 1981;37(9):969–71
Comparison of ethidium bromide and 4'6–diamidino–2–phenylindole as quantitative fluorescent stains for DNA in agarose gels. Nairn RS, et al. **J Biochem Biophys Methods** 1982 Jun;6(2):95–103
Binding of ethidium derivatives to natural DNA: a 300 MHz 1H NMR study. Feigon J, et al. **Nucleic Acids Res** 1982 Jan 22;10(2):749–62
Interaction of actinomycin D, ethidium, quinacrine, daunorubicin, and tetralysine with DNA: 31P NMR chemical shift and relaxation investigation. Wilson WD, et al. **Nucleic Acids Res** 1982 Feb 25;10(4):1399–410
[Binding of acridine orange and ethidium bromide to DNA in phage lambda] Shurdov MA, et al. **Biofizika** 1982 Mar–Apr;27(2):222–4 (Eng. Abstr.) **(Rus)**

ANALOGS & DERIVATIVES

Binding of bifunctional ethidium intercalators to transfer RNA. Reinhardt CG, et al. **Biochem Biophys Res Commun** 1982 Feb 26;104(4):1376–85
A kinetic study on the mechanism of inhibition of RNA synthesis catalyzed by DNA-dependent RNA polymerase. Differences in inhibition by ethidium bromide, 3,8–diamino–6–ethylphenanthridinium bromide and actinomycin d. Aktipis S, et al. **Biochim Biophys Acta** 1981 Oct 27;655(3):278–90
Photoaffinity labeling of a mitochondrial hydrophobic protein by an anisotropic inhibitor of energy transduction in oxidative phosphorylation. Higuti T, et al. **J Biol Chem** 1981 Oct 10;256(19):9855–60
New dimeric analogues of ethidium; synthesis, interaction with DNA, and antitumor activity. Kuhlmann KF, et al. **J Med Chem** 1981 Nov;24(11):1333–7
Binding of ethidium derivatives to natural DNA: a 300 MHz 1H NMR study. Feigon J, et al. **Nucleic Acids Res** 1982 Jan 22;10(2):749–62

METABOLISM

The EcoRI restriction endonuclease, covalently closed DNA and ethidium bromide. Halford SE, et al. **Biochem J** 1981 Dec 1;199(3):767–77
Comparative microcalorimetric dilatometric analysis of the interactions of quinacrine, chloroquine, and ethidium bromide with DNA. Delben F, et al. **Biopolymers** 1982 Feb;21(2):331–41
Chemical structure of ethidium bromide metabolites extracted from rat bile. Gaugain B, et al. **FEBS Lett** 1981 Jun 29;129(1):70–6
Ethidium bromide changes the nuclease-sensitive DNA binding sites of the antitumor drug cis–diamminedichloroplatinum(II). Tullius TD, et al. **Proc Natl Acad Sci USA** 1982 Jun;79(11):3489–92
[Affinity between CrIII and purified DNA, studied by competition with an intercalating agent: ethidium bromide] Vecchio D, et al. **Boll Soc Ital Biol Sper** 1981 May 30; 57(10):1149–55 (Eng. Abstr.) **(Ita)**

PHARMACODYNAMICS

A kinetic study on the mechanism of inhibition of RNA synthesis catalyzed by DNA-dependent RNA polymerase. Differences in inhibition by ethidium bromide, 3,8–diamino–6–ethylphenanthridinium bromide and actinomycin d. Aktipis S, et al. **Biochim Biophys Acta** 1981 Oct 27;655(3):278–90
Effects of ethidium bromide on the nicotinic acetylcholine receptor. Sterz R, et al. **Eur J Pharmacol** 1982 Jun 4; 80(4):393–9
Antibodies to cell surface antigens detected by a rapid spot test using ethidium bromide. Cohn ML, et al. **J Immunol Methods** 1982;49(1):75–82
[Molecular characterization of plasmids of Proteus rettgeri] Barbuti S, et al. **Boll Ist Sieroter Milan** 1981 May; 60(2):89–94 **(Ita)**
[Ratio of the depressive effect of macromolecular synthetic inhibitors in the mitochondria to the concentration of gonadotropic hormones in the in vitro maturation of Xenopus oocytes] Skoblina MN, et al. **Ontogenez** 1982 May–Jun;13(3):318–21 (Eng. Abstr.) **(Rus)**

ETHIDIUM BROMIDE see **ETHIDIUM**

ETHINAMATE see under **CARBAMATES**

ETHINYL ESTRADIOL

Failure with the new triphasic oral contraceptive Logynon [letter] **Br Med J [Clin Res]** 1982 Feb 6;284(6313):422–3
Failure with the new triphasic oral contraceptive Logynon. Fay RA. **Br Med J [Clin Res]** 1982 Jan 2;284(6308):17–8
Effect of contraceptive steroids on creatine kinase activity in serum [letter] Gupta U, et al. **Clin Chem** 1982 Jun; 28(6):1402–3
Clinical trial of an oral contraceptive containing desogestrel and ethinyl estradiol. Weijers MJ. **Clin Ther** 1982; 4(5):359–66
Effect of epomediol on bile flow and composition in normal rats and in rats with ethynylestradiol-induced cholestasis. Zuin M, et al. **Farmaco [Prat]** 1981 Aug;36(8):383–9
Morphology of liver cell tight junctions in ethinyl estradiol induced cholestasis. De Vos R, et al. **Pathol Res Pract** 1981 May;171(3–4):381–8

ADMINISTRATION & DOSAGE

Coagulation factors in women using oral contraceptives or intrauterine contraceptive devices immediately after abortion. Lähteenmäki P, et al. **Am J Obstet Gynecol** 1981 Sep 15;141(2):175–9
Effect of duration of low-dose oral contraceptive administration on carbohydrate metabolism. Wynn V. **Am J Obstet Gynecol** 1982 Mar 15;142(6 Pt 2):739–46
The effect of norethisterone (500 mcg) and ethinyl estradiol (35 mcg) capsules on the pituitary-ovarian axis. Nuttall ID, et al. **Contraception** 1982 May;25(5):463–9
Vaginal administration of ethinylestradiol: effects on ovulation and hepatic transcortin synthesis. Schwartz U, et al. **Contraception** 1982 Mar;25(3):253–9
Complete regression of hepatocellular adenoma after withdrawal of oral contraceptives. Steinbrecher UP, et al. **Dig Dis Sci** 1981 Nov;26(11):1045–50
A low-dose combination oral contraceptive. Experience with 1,700 women treated for 22,489 cycles. Woutersz TB. **J Reprod Med** 1981 Dec;26(12):615–20
Use of estrogen in treatment of familial hemorrhagic telangiectasia. Harrison DF. **Laryngoscope** 1982 Mar; 92(3):314–20
Effects of sex hormone binding globulin capacity and pregnancy zone protein of treatment with combinations of ethinyl-oestradiol and norethisterone. Ottosson UB, et al. **Maturitas** 1981 Dec;3(3–4):295–300
Biologic effects of various doses of ethinyl estradiol in

postmenopausal women. Mandel FP, et al. **Obstet Gynecol** 1982 Jun;59(6):673–9

Effects of the cyproterone acetate + ethynil oestradiol antiandrogen association on blood coagulation and fibrinolysis in hirsute women. Ghezzo F, et al. **Panminerva Med** 1981 Oct–Dec;23(4):223–6

Changes in physiological, EEG and psychological parameters in women during the spontaneous menstrual cycle and following oral contraceptives. Becker D, et al. **Psychoneuroendocrinology** 1982;7(1):75–90

ADVERSE EFFECTS

Effects of the estrogenicity of levonorgestrel/ethinylestradiol combinations of the lipoprotein status. Larsson-Cohn U, et al. **Acta Obstet Gynecol Scand [Suppl]** 1982;105:37–40

Oral contraception in diabetic women. A cross-over study on serum and high density lipoprotein (HDL) lipids and diabetes control during progestogen and combined estrogen/progestogen contraception. Rådberg T, et al. **Horm Metab Res** 1982 Feb;14(2):61–5

Contraceptive pills and acute pancreatitis. Mehrotra TN, et al. **J Assoc Physicians India** 1981 Jun;29(6):489–90

Role of estrogens as promoters of hepatic neoplasia. Wanless IR, et al. **Lab Invest** 1982 Mar;46(3):313–20

Effect of ethinyl estradiol and triton WR 1339 on bile formation and sulfobromophthalein transport maximum (BSPTm) in the rat. Hoenig V. **Pharmacol Res Commun** 1981 Nov;13(10):903–8

Observations with a combined oral contraceptive (Rigevidon) containing minimum oestrogen dose. Karsay K. **Ther Hung** 1980;28(1):17–20

Atypical reserve cell hyperplasia of cervical glands, simulating adenocarcinoma. An undescribed reversible lesion in a woman taking oral contraceptives. Filotico M, et al. **Tumori** 1981 Oct 31;67(5):491–6

[Experimental therapy of acute radiation sickness with ethinylestradiol (EED). III. Effect of EED on testicle and hemopoietic organ in animal (author's transl)] Li ZW, et al. **Chung Kuo I Hsueh Ko Hsueh Yuan Hsueh Pao** 1981 Sep;3(3):158–62 (Eng. Abstr.) **(Chi)**

[Oral contraception and cerebrovascular accidents] Nick J, et al. **Bull Acad Natl Med (Paris)** 1981 Jun;165(6):723–30 (Eng. Abstr.) **(Fre)**

[Cholestatic icterus in the course of ethinyl-estradiol therapy (letter)] Andrieu J, et al. **Gastroenterol Clin Biol** 1981; 5(8–9):817–8 **(Fre)**

[Massive, painful hepatomegaly, sinusoidal dilatation and prolonged use of estroprogestational agents [letter] Fischer D, et al. **Gastroenterol Clin Biol** 1982 Mar;6(3):302–4 **(Fre)**

[Portal and superior mesenteric venous thrombosis secondary to oral contraceptive treatment. Two cases (author's transl)] Abet D, et al. **J Mal Vasc** 1982;7(1):59–63 (Eng. Abstr.) **(Fre)**

[A case report with hemolytic uremic syndrome by a oral contraceptive, and its clinical and pathological reviews (author's transl)] Fukushima K, et al. **Nippon Jinzo Gakkai Shi** 1981 Apr;23(4):399–410 (Eng. Abstr.) **(Jpn)**

ANALOGS & DERIVATIVES

Characterization of the cytosolic estrogen receptor in rat skeletal muscle. Dahlberg E. **Biochim Biophys Acta** 1982 Jul 16;717(1):65–75

Estrogen receptor in avian embryo and adult liver: estrogen receptor activation and dissociation kinetics of estradiol, ethynylestradiol, and moxestrol. De Boer W, et al. **Endocrinology** 1982 Apr;110(4):1217–24

Moxestrol (R2858), estradiol benzoate, and sexual behavior of cynomolgus macaques (Macaca fascicularis). Glick BB, et al. **Horm Behav** 1982 Mar;16(1):59–65

Radiotracers binding to estrogen receptors: I: Tissue distribution of 17 alpha-ethynylestradiol and moxestrol in normal and tumor-bearing rats. Feenstra A, et al. **J Nucl Med** 1982 Jul;23(7):599–605

2-hydroxyethynyloestradiol as a substrate for catechol-O-methyltransferase--implications in the metabolism of ethynyloestradiol. Raxworthy MJ, et al. **J Steroid Biochem** 1982 Jul;17(1):17–21

[Clinical experience with the depot estrogen Turisteron in the treatment of metastatic breast cancer (author's transl)] Gürtler R, et al. **Arch Geschwulstforsch** 1982;52(2):129–39 (Eng. Abstr.) **(Ger)**

[Impact of synthetic sexual steroids on blood volume (author's transl)] Klinger G, et al. **Zentralbl Gynakol** 1982; 104(6):343–8 (Eng. Abstr.) **(Ger)**

ANALYSIS

Quantitative analysis of ethynodiol diacetate and ethinyl estradiol/mestranol in oral contraceptive tablets by high-performance liquid chromatography. Carignan G, et al. **J Pharm Sci** 1982 Feb;71(2):264–6

Determination of ethinyl estradiol in solid dosage forms by high-performance liquid chromatography. Strusiak SH, et al. **J Pharm Sci** 1982 Jun;71(6):636–40

BLOOD

The enzyme inducing effect of rifampicin in the rhesus monkey and its lack of interaction with oral contraceptive steroids. Back DJ, et al. **Contraception** 1982 Mar; 25(3):307–16

Plasma levels of ethinylestradiol (EE) during cyclic treatment with combined oral contraceptives. Kaufman JM, et al. **Contraception** 1981 Nov;24(5):589–602

Blood levels of ethynylestradiol, caffeine, aldosterone and desoxycorticosterone in hypertensive oral contraceptive users. Kaul L, et al. **Contraception** 1981 Jun;23(6):643–51

Effect of paramethasone acetate upon estrogen action. Cortés-Gallegos V, et al. **Fertil Steril** 1982 Mar;37(3):402–5

Binding of the contraceptive steroids medroxyprogesterone acetate and ethynyloestradiol in blood of various species. Akpoviroro JO, et al. **J Steroid Biochem** 1981 May; 14(5):493–8

Measurement of ethynyloestradiol by radioimmunoassay and by isotope dilution-mass spectrometry. Fotherby K, et al. **J Steroid Biochem** 1981 May;14(5):499–500

[Oral contraceptives. Clinical pharmacology, pharmacokinetics and drug interactions (author's transl)] Staiger C. **MMW** 1982 May 21;124(20):495–8 (Eng. Abstr.) **(Ger)**

DIAGNOSTIC USE

Plasma total and ionised calcium, albumin and globulin concentrations in pre- and post-menopausal women and the effects of oestrogen administration. Marshall RW, et al. **Clin Chim Acta** 1982 Jul 1;122(2):283–7

Effects of norgestimate in combination with ethinyl estradiol on cervical mucus. Mohsenian M, et al. **Contraception** 1981 Aug;24(2):173–81

Impaired estrogen-induced luteinizing hormone release in young women with anovulatory dysfunctional uterine bleeding. Van Look PF, et al. **J Clin Endocrinol Metab** 1978 May;46(5):816–23

IMMUNOLOGY

Oral contraception, circulating immune complexes, antiethinylestradiol antibodies, and thrombosis. Beaumont V, et al. **Am J Reprod Immunol** 1982 Feb;2(1):8–12

[Immunological studies of the vaginal secretion in women using contraceptive preparations] Nalbanski B, et al. **Akush Ginekol (Sofiia)** 1981;20(4):337–40 (Eng. Abstr.) **(Bul)**

[Vascular thrombosis related to oral contraceptives and antiethinylestradiol antibodies--epidemiology and prevention (author's transl)] Beaumont V, et al. **Ther Umsch** 1982 Feb;39(2):109–13 (Eng. Abstr.) **(Fre)**

METABOLISM

The gut wall metabolism of ethinyloestradiol and its contribution to the pre-systemic metabolism of ethinyloestradiol in humans. Back DJ, et al. **Br J Clin Pharmacol** 1982 Mar;13(3):325–30

Pharmacokinetics of ethynyloestradiol in women for different populations. Fotherby K, et al. **Contraception** 1981 May; 23(5):487–96

Estrogen receptor in avian embryo and adult liver: estrogen receptor activation and dissociation kinetics of estradiol, ethynylestradiol, and moxestrol. De Boer W, et al. **Endocrinology** 1982 Apr;110(4):1217–24

S-adenosyl-L-methionine antagonizes ethynylestradiol-induced bile cholesterol supersaturation in humans without modifying the estrogen plasma kinetics. Di Padova C, et al. **Gastroenterology** 1982 Feb;82(2):223–7

Hepatic binding and internalization of low density lipoprotein-gold conjugates in rats treated with 17 alpha-ethinylestradiol. Handley DA, et al. **J Cell Biol** 1981 Sep;90(3):778–87

Radiotracers binding to estrogen receptors: I: Tissue distribution of 17 alpha-ethynylestradiol and moxestrol in normal and tumor-bearing rats. Feenstra A, et al. **J Nucl Med** 1982 Jul;23(7):599–605

An antibiotic interaction with ethinyloestradiol in the rat and rabbit. Back DJ, et al. **J Steroid Biochem** 1982 Mar; 16(3):407–13

2-hydroxyethynyloestradiol as a substrate for catechol-O-methyltransferase--implications in the metabolism of ethynyloestradiol. Raxworthy MJ, et al. **J Steroid Biochem** 1982 Jul;17(1):17–21

PHARMACODYNAMICS

Instant growth inhibition by low dose oestrogens in excessively tall boys. van den Bosch JS, et al. **Acta Endocrinol (Copenh)** 1982 Jul;100(3):327–32

The effect of low dose oestrogens on short-term growth and concomitant biochemical phenomena in girls with tall stature. van den Bosch JS, et al. **Acta Endocrinol (Copenh)** 1981 Sep;98(1):156–60

Carbohydrate metabolism studies in women using Brevicon, a low-estrogen type of oral contraceptive, for one year. Spellacy WN, et al. **Am J Obstet Gynecol** 1982 Jan 1; 142(1):105–8

The effect of contraceptive steroids on the incorporation of U14C-glucose into porcine aortic lipids. Kent WC, et al. **Artery** 1981;9(6):425–36

Selective elevation of plasma free cholesterol concentration by administration of estrogen in the presence of total biliary obstruction. Zumoff B, et al. **Atherosclerosis** 1981 Oct; 40(2):139–44

Lipid absorption in unanesthetized, unrestrained rats. Effects of 4-aminopyrazolopyrimidine and ethinyl estradiol. Krause BR, et al. **Biochim Biophys Acta** 1981 Jul 24; 665(1):165–9

Alterations of plasma HDL lipids and apolipoproteins in female rats treated with ethynyl estradiol. Wilcox HG, et al. **Biochim Biophys Acta** 1981 Dec 23;666(3):348–55

Promotive effects of steroids and bile acids on hepatocarcinogenesis initiated by diethylnitrosamine. Cameron RG, et al. **Cancer Res** 1982 Jun;42(6):2426–8

Effects of desogestrel and levonorgestrel in low-dose oestrogen oral contraceptives on serum lipoproteins. Bergink EW, et al. **Contraception** 1982 May;25(5):477–85

Serum bile acids during biphasic contraceptive treatment with ethinyl estradiol and norgestrel. Heikkinen J, et al. **Contraception** 1982 Jan;25(1):89–95

Comparative effects of the oral contraceptive combinations 0.150 mg desogestrel + 0.030 mg ethinyloestradiol and 0.150 mg levonorgestrel + 0.030 mg ethinyloestradiol on lipid and lipoprotein metabolism in healthy female volunteers. Samsioe G. **Contraception** 1982 May; 25(5):487–503

A multicenter clinical investigation employing ethinyl estradiol combined with dl-norgestrel as postcoital contraceptive agent. Yuzpe AA, et al. **Fertil Steril** 1982 Apr;37(4):508–13

Promotive effects of ethinyl estradiol in hepatocarcinogenesis initiated by diethylnitrosamine in male rats. Cameron R, et al. **Gan** 1981 Apr;72(2):339–40

Half-life and metabolism of 3H-folic acid in oral contraceptive treated rats. Lakshmaiah N, et al. **Horm Metab Res** 1981 Jul;13(7):404–7

Persistence of [3H]trioleylglyceryl ether in organs of mice treated with glucocorticosteroids. Kleinman Y, et al. **Isr J Med Sci** 1982 Jul;18(7):819–22

Mesenteric lymph apolipoproteins in control and ethinyl estradiol-treated rats: a model for studying apolipoproteins of intestinal origin. Krause BR, et al. **J Lipid Res** 1981 May;22(4):610–9

Effects of ethinyl estradiol on pharmacokinetics of meperidine and pentobarbital in the rat. Knodell RG, et al. **J Pharmacol Exp Ther** 1982 Apr;221(1):1–6

Effect of oestriol, oestradiol valerate and ethinyloestradiol on serum proteins in oestrogen-deficient women. Bergink EW, et al. **Maturitas** 1981 Dec;3(3–4):241–7

[Plasma androgens and testosterone binding globulin levels in hirsute women. Effects of dexamethasone and oestrogen-progestagen administration (author's transl)] Pugeat M, et al. **Nouv Presse Med** 1982 Jan 16;11(2):105–9 (Eng. Abstr.) **(Fre)**

[Effects of ethinyloestradiol sulphonate in soft-gelatin capsules on coagulation parameters of weaning women (author's transl)] Webber B, et al. **Zentralbl Gynakol** 1982; 104(1):75–9 (Eng. Abstr.) **(Ger)**

THERAPEUTIC USE

The effect of puberty and short-term oral administration of testosterone undecanoate on GH tests and sex-steroid related plasma compounds in GH deficient patients. Drop SL, et al. **Clin Endocrinol (Oxf)** 1982 Apr;16(4):375–81

Cholesterol ester metabolism in plasma during estrogen and antiandrogen treatment in men with carcinoma of the prostate. Wallentin L, et al. **J Lab Clin Med** 1981 Dec; 98(6):906–16

Normalization of testosterone levels using a low estrogen-containing oral contraceptive in women with polycystic ovary syndrome. Raj SG, et al. **Obstet Gynecol** 1982 Jul;60(1):15–9

[Decrease of the sebum excretion rate and improvement of acne in acneic women treated with the association: cyproterone acetate-ethinyl estradiol (author's transl)] Lehucher-Ceyrac D, et al. **Ann Dermatol Venereol** 1981; 108(11):861–8 (Eng. Abstr.) **(Fre)**

[Effect of hormonal contraceptives containing 0.05 mg ethinyl estradiol and 0.125 mg desogestrel in normophasic regimen (Oviol)] Weijers MJ. **Fortschr Med** 1982 Apr 29; 100(16):764–7 (Eng. Abstr.) **(Ger)**

[Management of virilization with an antiandrogen-containing contraceptive] Apró G, et al. **Orv Hetil** 1981 Jul 26; 122(30):1821–4 **(Hun)**

TOXICITY

Pathogenesis and rebound phenomenon in ethinyl estradiol cholestasis in rats. Chiarantini E, et al. **Agressologie** 1982 Jan;23(A):25–8

URINE

Analysis of isomeric ethynylestradiol glucuronides in urine. Sahlberg BL, et al. **J Chromatogr** 1981 Nov 6;217:453–61

ETHINYL ESTRADIOL 3-METHYL ETHER see **MESTRANOL**

ETHINYL TRICHLORIDE see **TRICHLOROETHYLENE**

ETHINYLESTRENOL see **LYNESTRENOL**

ETHINYLNORTESTOSTERONE see **NORETHINDRONE**

ETHIODIZED OILS

DIAGNOSTIC USE

Computed tomography of the liver and spleen with intravenous lipoid contrast material: review of 60 examinations. Vermess M, et al. **AJR** 1982 Jun; 138(6):1063–71

Use of intravenous liposoluble contrast material for the examination of the liver and spleen in lymphoma. Vermess M, et al. **J Comput Assist Tomogr** 1981 Oct;5(5):709–13

ETHIODOL see **ETHIODIZED OILS**

ETHION see under **INSECTICIDES, ORGANOTHIOPHOSPHATE**

ETHIONAMIDE

BLOOD

High-performance liquid chromatographic determination of ethionamide and prothionamide in body fluids. Jenner PJ, et al. **J Chromatogr** 1981 Sep 11;225(1):245–51

PHARMACODYNAMICS

Synergistic effect of rifampin, streptomycin, ethionamide, and ethambutol on Mycobacterium intracellulare. Heifets LB. **Am Rev Respir Dis** 1982 Jan;125(1):43–8

POISONING

[Protective action of sodium succinate in ethionamide poisoning] Maliuk VI, et al. **Farmakol Toksikol** 1982 Jan–Feb;45(1):90–2 **(Rus)**

ETHIONIAMIDE see **ETHIONAMIDE**

ETHIONINE

Alpha-fetoprotein dynamics during ethionine-induced hepatocarcinogenesis in rat. Miyazaki M, et al. **Res Exp Med (Berl)** 1982;180(2):155–9

[Studies on experimental pancreatitis induced in rat by ethionine fed with a choline-deficient and low protein diet (author's transl)] Nagata K, et al. **Nippon Shokakibyo Gakkai Zasshi** 1981 Aug;78(8):1650–7 (Eng. Abstr.) **(Jpn)**

ANALOGS & DERIVATIVES

Hepatic levels of S-adenosylethionine and S-adenosylmethionine in rats and hamsters during subchronic feeding of DL-ethionine. Hyde CL, et al. **Carcinogenesis** 1982;3(3):309–12

Metabolism of N-acetyl-L-ethionine sulfoxide in rats. Brada Z, et al. **Res Commun Chem Pathol Pharmacol** 1982 Jan; 35(1):95–109

METABOLISM

Aminoacylation of ethionine to rat liver tRNAMet and its incorporation into protein. Wilson MJ, et al. **FEBS Lett** 1981 Jun 1;128(1):157–60

PHARMACODYNAMICS

Pancreatic effects of ethionine: blockade of exocytosis and appearance of crinophagy and autophagy precede cellular necrosis. Koike H, et al. **Am J Physiol** 1982 Apr; 242(4):G297–307

Inhibitory effects of ethionine, an analogue of methionine, on wool growth. Reis PJ, et al. **Aust J Biol Sci** 1982; 35(1):49–62

Alterations in DNA-dependent RNA polymerase I from rat liver accompanying ethionine administration. Yamano H, et al. **Biochem Biophys Res Commun** 1982 Apr 14; 105(3):799–805

Effects of ethionine treatment of protein-synthesizing apparatus of rat liver 80 S ribosomes and 40 S ribosomal subunits. Takahashi Y, et al. **Biochim Biophys Acta** 1982 Apr 26;697(1):101–12

Ethionine alters the urinary excretion of N1-methylnicotinamide. Cox R. **Cancer Lett** 1981 Nov; 14(2):137–42

Elevated transcriptional complexity and decrease in enzymatic DNA methylation in cells treated with L-ethionine. Boehm TL, et al. **Cancer Res** 1981 Oct; 41(10):4101–6

Blocking by the carcinogen, L-ethionine, of SOS functions in a tif-1 mutant of Escherichia coli B/r. Wiesner R, et al. **Cancer Res** 1981 Nov;41(11 Pt 1):4382–5

Hepatic levels of S-adenosylethionine and S-adenosylmethionine in rats and hamsters during subchronic feeding of DL-ethionine. Hyde CL, et al. **Carcinogenesis** 1982;3(3):309–12

Ethionine inhibits in vivo methylation of nuclear proteins. Tuck MT, et al. **Carcinogenesis** 1982;3(4):431–4

Modifications of the endocrine pancreas in rats after ethionine destruction of acini. Michel C, et al. **Cell Mol Biol** 1982; 28(1):135–48

Variation of antimetabolite sensitivity with different carbon sources in Bacillus subtilis. Chaudhuri A, et al. **Folia Microbiol (Praha)** 1982;27(2):73–5

Influence of DL-ethionine on the NAD content and on the activity of the poly(ADPR)synthetase in the rat liver. Kröger H, et al. **Int J Biochem** 1982;14(7):557–60

Altered methionyl-tRNA synthetase in a Spirulina platensis mutant resistant to ethionine. Riccardi G, et al. **J Bacteriol** 1982 Aug;151(2):1053–5

A cell-free system from ethionine-treated rat liver active in initiation of protein synthesis. Hase M, et al. **J Biochem (Tokyo)** 1982 May;91(5):1457–65

Effects of ethionine feeding on fatty liver and plasma lipoprotein fractions in rats. Yokota F, et al. **J Nutr** 1982 Mar;112(3):405–9

[Retarded schizogony of Plasmodium yoelii yoelii in rodents treated with ethionine or subjected to a methionine deficiency: histological and ultrastructural studies] Landau I, et al. **Ann Parasitol Hum Comp** 1982;57(1):1–20 (Eng. Abstr.) **(Fre)**

TOXICITY

Role of 3-ethylthiopropionate in ethionine metabolism and toxicity in rats. Steele RD. **J Nutr** 1982 Jan;112(1):118–25

Influence of methionine administration on serum alpha-fetoprotein levels in ethionine-injured rats. Miyazaki M, et al. **Res Exp Med (Berl)** 1982;180(1):15–9

ETHISTERONE

ADVERSE EFFECTS

Randomised trial of high doses of stilboestrol and ethisterone therapy in pregnancy: long-term follow-up of the children. Beral V, et al. **J Epidemiol Community Health** 1981 Sep; 35(3):155–60

ETHMOID BONE

Excision, repair and corrective surgery for fronto-ethmoidal meningocoele. Dhawan IK, et al. **Childs Brain** 1982; 9(2):126–36

Craniofacial resection for ethmoid carcinoma in children. Supance JS, et al. **Int J Pediatr Otorhinolaryngol** 1981 Sep; 3(3):185–94

[Osteoid osteoma of the ethmoid bone (author's transl)] Lacombe H, et al. **Ann Otolaryngol Chir Cervicofac** 1981; 98(7–8):377–80 (Eng. Abstr.) **(Fre)**

[Ethmoido-frontal osteoma] Teodorescu L, et al. **Rev Chir [Otorinolaringol]** 1981 Jul–Sep;26(3):161–76 **(Rum)**

ABNORMALITIES

[Recurrent meningitis caused by a spheno-ethmoidal meningoencephalocele] Palencia Luances R, et al. **An Esp Pediatr** 1982 Jan;16(1):92–4 **(Spa)**

ANATOMY & HISTOLOGY

The cribriform plate and cerebrospinal fluid rhinorrhoea. Hooper AC. **Ir J Med Sci** 1982 Feb;151(2):31–5

The middle turbinate and its relationship to the ethmoidal labyrinth and the orbit. Ritter FN. **Laryngoscope** 1982 May; 92(5):479–82

Characteristics and origin of the human olfactory organ. Ishii S, et al. **Rhinology** 1982 Mar;20(1):27–31

INJURIES

Naso-orbital fractures, complications, and treatment. Beyer CK, et al. **Ophthalmology (Rochester)** 1982 May; 89(5):456–63

Treatment of nasofrontal ethmoidal complex fractures. Williamson LK, et al. **Otolaryngol Head Neck Surg** 1981 Jul–Aug;89(4):587–93

[Combined gunshot wound of the orbit, ethmoidal labyrinth and sphenoid sinus] Tsetsarskii BM, et al. **Vestn Otorinolaringol** 1982 Mar–Apr;(2):67 **(Rus)**

PATHOLOGY

Bony defects and dehiscences of the roof of the ethmoid cells. Ohnishi T. **Rhinology** 1981 Dec;19(4):195–202

Carcinoma of the mucosa of the ethmoid in the deer (Axis axis). Rajan A, et al. **Vet Pathol** 1982 Jul;19(4):458–60

[Ethmoidal fibroma in an 18-month-old infant (author's transl)] Gandon J, et al. **Ann Otolaryngol Chir Cervicofac** 1981;98(9):461–3 (Eng. Abstr.) **(Fre)**

[The recessus frontalis and its clinical aspects (author's transl)] Messerklinger W. **Laryngol Rhinol Otol (Stuttg)** 1982 May;61(5):217–23 (Eng. Abstr.) **(Ger)**

RADIOGRAPHY

[Electroroentgenography in the diagnosis of inflammatory and tumor diseases of the ethmoidal labyrinth] Sanzharovskaia NK, et al. **Vestn Otorinolaringol** 1981 Jul–Aug;(4):45–7 (Eng. Abstr.) **(Rus)**

RADIONUCLIDE IMAGING

Facial bone scintigraphy. VIII. Diagnosis of malignant lesions in the maxillary, ethomoidal and palatal bones. Bergstedt HF, et al. **Acta Radiol [Diagn] (Stockh)** 1981; 22(5):609–18

SURGERY

Intranasal ethmoidectomy and concurrent procedures. Taylor JS, et al. **Laryngoscope** 1982 Jul;92(7 Pt 1):739–43

ETHMOID SINUS

Fibro-osseous lesion? [letter] Hirschl S. **Am J Surg Pathol** 1982 Mar;6(2):192

Tumours of the mucosa of the ethmoid in pigs. Rajan A, et al. **Indian J Cancer** 1981 Sep;18(3):202–5

Ossifying capillary hemangioma of the maxillary and ethmoid sinuses – a case report. Freeman JL, et al. **J Otolaryngol** 1981 Dec;10(6):481–92

A critical evaluation of present day attitudes to the treatment of antro-ethmoidal cancer. Harrison DF. **J Otolaryngol** 1982 Jun;11(3):148–50

Ethmoid sinus adenocarcinoma metastatic to breast. Vizel M, et al. **J Surg Oncol** 1981;18(3):257–60

Osteoid-producing orbital ethmoid tumor. Katsantonis GP, et al. **Otolaryngol Head Neck Surg** 1981 Sep-Oct; 89(5):717–22

Epidural mucopyocele: diagnosis and management. Schaefer SD, et al. **Otolaryngol Head Neck Surg** 1981 Jul–Aug; 89(4):523–7

[Ethmoidomaxillary carcinomas] Chládek V, et al. **Cesk Otolaryngol** 1982 Jan;31(1):36–40 (Eng. Abstr.) **(Cze)**

[Superior dental neuralgia as a presenting feature of ethmosphenoidal carcinoma (author's transl)] Le Grignou P, et al. **Rev Laryngol Otol Rhinol (Bord)** 1982;103(1):53–5 (Eng. Abstr.) **(Fre)**

[Therapy result of malignant tumors of the paranasal sinuses in patients treated at the metropolitan onco-radiologic centre of Budapest. Period under review: 1946–1974 (author's transl)] Naszály A, et al. **Strahlentherapie** 1982 May;158(5):270–4 (Eng. Abstr.) **(Ger)**

[The possibilities of intracavitary 60Co-treatment, based on computer assisted therapy planning in ethmoidomaxillary tumors] Naszály A, et al. **Strahlentherapie [Sonderb]** 1981; 76:84–9 **(Ger)**

[Primary ectopic meningioma in the left ethmoid sinus—a case report (author's transl)] Ohyama H, et al. **Neurol Med Chir (Tokyo)** 1981 Dec;21(12):1253–60 (Eng. Abstr.) **(Jpn)**

[Ethmoid sinus rhabdomyosarcoma in a child aged 12 years (author's transl)] Narożny W. **Otolaryngol Pol** 1982; 36(2–3):167–72 **(Pol)**

[Post-traumatic bilateral naso-ethmoidal mucocele] Grigoriu V, et al. **Rev Chir [Otorinolaringol]** 1981 Oct–Dec; 26(4):309–12 (Eng. Abstr.) **(Rum)**

[Neurilemmoma of the paranasal sinuses and nasal cavity] Shapiro LM. **Vestn Otorinolaringol** 1982 May–Jun;(3):72–3 **(Rus)**

PATHOLOGY

Cemento-ossifying fibroma of the ethmoidal sinus manifesting as proptosis. Cohn HC, et al. **Ann Ophthalmol** 1982 Feb;14(2):173–5

Necrotizing sialometaplasia in the setting of acute and chronic sinusitis. Granich MS, et al. **Laryngoscope** 1981 Sep;91(9 Pt 1):1532–5

Bony defects and dehiscences of the roof of the ethmoid cells. Ohnishi T. **Rhinology** 1981 Dec;19(4):195–202

RADIOGRAPHY

Unilateral polyposis and mucoceles in children. Finn DG, et al. **Laryngoscope** 1981 Sep;91(9 Pt 1):1444–9

SURGERY

The transethmoidal approach to pituitary adenomas. A technical note. Calliauw L, et al. **Acta Neurochir (Wien)** 1982;61(1–3):161–6

A method for combined dacryocystorhinostomy with external ethmoidectomy. Wilson WR, et al. **Head Neck Surg** 1981 Sep–Oct;4(1):9–12 (3 ref.)

Tumour of the ethmoid with intracranial and intranasal growth. Arnold H, et al. **Neurosurg Rev** 1980;3(4):221–6

Sphenoethmoidectomy: its role in the asthmatic patient. Friedman WH, et al. **Otolaryngol Head Neck Surg** 1982 Mar–Apr;90(2):171–7

[Endonasal microsurgery of the ethmoid sinus with reduction of blood pressure on a patient in a half sitting position (author's transl)] Heermann J. **HNO** 1982 May;30(5):180–5 (Eng. Abstr.) **(Ger)**

[Transnasal, endoscopical surgery for chronic sinusitis. III. Endonasal ethmoidectomy (author's transl)] Wigand ME. **HNO** 1981 Sep;29(9):287–93 (Eng. Abstr.) **(Ger)**

ETHNIC GROUPS

Effect of natural background radiation on dermatoglyphic traits. Bhasin MK, et al. **Acta Anthropogenet** 1980; 4(1–2):1–27

Dental caries in the permanent teeth of the people of Gulbarga, Karnataka. Reddy VR. **Acta Anthropogenet** 1980;4(1–2):89–127

Hepatitis B virus infections in Melanesians and Polynesians in New Caledonia. Kuberski T, et al. **Am J Epidemiol** 1981 Sep;114(3):355–61

Overcoming the language barrier: advice from an interpreter. Díaz-Duque OF. **Am J Nurs** 1982 Sep;82(9):1380–2

Overcoming the language barrier: problems and solutions. Grasska MA, et al. **Am J Nurs** 1982 Sep;82(9):1376–9

Blood groups, serum proteins, and red cell enzymes in the Nganasans (Tavghi)–reindeer hunters from Taimir Peninsula. Karaphet TM, et al. **Am J Phys Anthropol** 1981 Oct;56(2):139–45

Espiritismo and medical care [letter] Guevara–Ramos LM. **Am J Psychiatry** 1982 Sep;139(9):1216

Foreign–born persons with tuberculosis in the United States. Powell KE, et al. **Am J Public Health** 1981 Nov; 71(11):1223–7

Sero–genetic studies on the Basters of Rehoboth, South West Africa/Namibia. Nurse GT, et al. **Ann Hum Biol** 1982 Mar–Apr;9(2):157–66

Amyotrophic lateral sclerosis and parkinsonism–dementia among Filipino migrants to Guam. Garruto RM, et al. **Ann Neurol** 1981 Oct;10(4):341–50

Geographic and ethnic distribution of genetic markers in India. 2. Inv, Gm, Gc, ADA, AK, ap, PGM1, 6–PGD and EsD polymorphisms. Bhasin MK, et al. **Anthropol Anz** 1981 Sep;39(3):200–43 (109 ref.)

Racial factors in coccidioidomycosis: mortality experience in Arizona: a review of the literature. Johnson WM. **Ariz Med** 1982 Jan;39(1):18–24

A comparison of obstetric performance between an Asian and Caucasian Population in East London. Jarvis GJ, et al. **Br J Clin Pract** 1981 Jun;35(6):219–21

Ethnic differences in certified sickness absence. Baker CC, et al. **Br J Ind Med** 1982 Aug;39(3):277–82

Complications of female circumcision in Nigerian Igbos. Egwuatu VE, et al. **Br J Obstet Gynaecol** 1981 Nov; 88(11):1090–3

First admissions of native–born and immigrants to psychiatric hospitals in South–East England 1976. Dean G, et al. **Br J Psychiatry** 1981 Dec;139:506–12

Epidemiology of gonorrhoea in native Alaskans. Blackwood L. **Br J Vener Dis** 1981 Dec;57(6):372–5

An otologic screening program in a Chinese Canadian community. Wolf D, et al. **Can J Public Health** 1982 Mar–Apr;73(2):88–91

Eating for living and longevity in South African cultural groups. Walker AR. **Cent Afr J Med** 1981 Sep;27(9):176–81

A comparative study of serum lipids between Belgium and Korea. Kesteloot H, et al. **Circulation** 1982 Apr;65(4):795–9

Adolescent self–assessment of sexual maturation: reassessment and evaluation in a mixed ethnic urban population. Neinstein LS. **Clin Pediatr (Phila)** 1982 Aug; 21(8):482–4

HLA antigens in Spanish patients with essential hypertension. Fernandez–Cruz A Jr, et al. **Clin Sci [Suppl]** 1981 Dec; 61(7):367s–368s

Contrasting patterns of caries profile and dental treatment in pupils of 16–18 years in South African ethnic groups. Walker AR, et al. **Community Dent Oral Epidemiol** 1982 Apr;10(2):69–73

Situational variations of help–seeking behavior among Chinese patients. Cheung FM, et al. **Compr Psychiatry** 1982 May–Jun;23(3):252–62

Impact of Westernization on carbohydrate and lipid metabolism in Australian Aborigines. O'Dea K, et al. **Diabetologia** 1982 Mar;22(3):148–53

Ethnicity and aging: anthropological perspectives on more than just the minority elderly. Holzberg CS. **Gerontologist** 1982 Jun;22(3):249–57

Hawaiians and medicine. Mills GH. **Hawaii Med J** 1981 Oct; 40(10):272–6

Ethnicity and alcohol. Schwitters SY, et al. **Hawaii Med J** 1982 Feb;41(2):60–3

Spread and diversity of human populations in Bahia, Brazil. Azevêdo ES, et al. **Hum Biol** 1982 May;54(2):329–41

Transferrin C subtyping in Malaysians and in Indonesians from North Sumatra. Tan SG, et al. **Hum Genet** 1982; 60(4):369–70

Genetic survey of an isolated community in Bali, Indonesia. I. Blood groups, serum proteins and hepatitis B serology. Breguet G, et al. **Hum Hered** 1982;32(1):52–61

Blood group, red cell enzyme and serum protein types in the Buka Islanders, Papua New Guinea. McLoughlin K, et al. **Hum Hered** 1982;32(3):152–9

Blood group, red cell enzyme and serum protein types in an Asaro village, Eastern Highlands, Papua New Guinea. McLoughlin K, et al. **Hum Hered** 1982;32(3):160–5

Properdin factor B(Bf) polymorphism in tribal populations of Himachal Pradesh, India. Papiha SS, et al. **Hum Hered** 1982;32(3):197–201

Biological and social correlates of blood pressure among Japanese men in Hawaii. Reed D, et al. **Hypertension** 1982 May–Jun;4(3):406–14

Ethnic origin, beverage preference, and group composition in relation to alcohol consumption by problem drinkers. Brown RA. **Int J Addict** 1981 Aug;16(6):1117–24

Differences in lung cancer risk from smoking among Japanese, Chinese and Hawaiian women in Hawaii. Hinds MW, et al. **Int J Cancer** 1981 Mar 15;27(3):297–302

Multiple sclerosis in Israeli Bedouin. Berginer VM, et al. **Isr J Med Sci** 1982 May;18(5):635–7

Epidemiological review of breast cancer in Israel. Katz L, et al. **Isr J Med Sci** 1981 Sep–Oct;17(9–10):810–5

Mutilation of the uvula among Bedouins of the South Sinai. Nathan H, et al. **Isr J Med Sci** 1982 Jul;18(7):774–8

Breast cancer in Israel. Histopathologic types in the different population groups. Sacks M, et al. **Isr J Med Sci** 1981 Sep–Oct;17(9–10):882–7

Male breast cancer in Israel: selected epidemiological aspects. / Steinitz R, et al. **Isr J Med Sci** 1981 Sep–Oct; 17(9–10):816–21

The composition of the nursing profession in South Africa in the mid–seventies and its implications for provision of health care. Mashaba TG. **J Adv Nurs** 1981 Sep;6(5):339–47

Obesity, socioeconomic variables and eating habits in New Zealand. Birkbeck JA. **J Biosoc Sci** 1981 Jul;13(3):299–307

Children's perceptions of length of gestation period, the birth exit, and birth necessity explanations: a cross–national study of Australian, English, North American and Swedish children. Goldman RJ, et al. **J Biosoc Sci** 1982 Jan; 14(1):109–21

Characteristics and attitudes of family planners in Khartoum, Sudan. Khalifa MA. **J Biosoc Sci** 1982 Jan;14(1):7–16

Lifetime patterns of childbearing and employment: a study of second–generation Japanese American women. Leonetti DL, et al. **J Biosoc Sci** 1982 Jan;14(1):81–97

Sibling and family environment correlates of children's achievement: ethnic group differences. Marjoribanks K. **J Biosoc Sci** 1982 Jan;14(1):99–107

Incidence of juvenile onset diabetes in Montreal–demonstration of ethnic differences and socio–economic class differences. Colle E, et al. **J Chronic Dis** 1981;34(12):611–6

Comparison of MMPI scores of white and Japanese–American medical patients. Tsushima WT, et al. **J Consult Clin Psychol** 1982 Feb;50(1):150–1

Ethnic differences in perinatal mortality––a challenge. Robinson MJ, et al. **J Epidemiol Community Health** 1982 Mar;36(1):22–6

Size at birth from 37 – 41 weeks gestation: ethnic standards for British infants of both sexes. Brooke OG, et al. **J Hum Nutr** 1981 Dec;35(6):415–30

Gm allotypes and IgG subclass levels in Iraqi Arabs. Shakib F, et al. **J Immunogenet** 1982 Jun;9(3):149–53

The high frequency of juvenile Huntington's chorea in South Africa. Hayden MR, et al. **J Med Genet** 1982 Apr; 19(2):94–7

Infant feeding practices by ethno–cultural grouping. Russo RM, et al. **J Med Soc NJ** 1981 Oct;78(11):737–40

Trends in cancer mortality in New Jersey––comparison of geographic distribution in 1950–1969 and 1969–1975. Thind IS, et al. **J Med Soc NJ** 1981 Jul;78(7):527–9

Ethnicity and other demographic characteristics as predictors of sudden drug–related deaths. Trott L, et al. **J Stud Alcohol** 1981 Jul;42(7):564–78

One approach to teaching cultural similarities and differences. Baker CM, et al. **JNE** 1982 Apr;21(4):17–22

Sounding Boards. Three years after Bakke: a reaffirmation. Fitzgerald FT. **N Engl J Med** 1981 Oct 8;305(15):886–7

Amyotrophic lateral sclerosis and parkinsonian syndromes in high incidence among the Auyu and Jakai people of West New Guinea. Gajdusek DC, et al. **Neurology (NY)** 1982 Feb;32(2):107–26

Gonorrhoea in women of differing ethnic origin in Auckland. Willmott FE. **NZ Med J** 1982 Mar 24;95(704):176–8

Affirmative action in medical school admissions. Case for discussion. Basson M, et al. **Prog Clin Biol Res** 1981;76:13–6

Affirmative action in medical school admissions. Cohen C. **Prog Clin Biol Res** 1981;76:17–38

Affirmative action in medical school admissions. Geiger HJ. **Prog Clin Biol Res** 1981;76:39–45

Ridge count of finger dermal patterns. Mi MP, et al. **Prog Clin Biol Res** 1982;84:295–301

Multimedia public/professional skin cancer education in a multiethnic setting. Putnam GL, et al. **Prog Clin Biol Res** 1982;83:437–48

Digital ridge–count variations in some castes of India. Singh RD. **Prog Clin Biol Res** 1982;84:303–15

The influence of cultural group on the undertreatment of postoperative pain. Streltzer J, et al. **Psychosom Med** 1981 Oct;43(5):397–403

Nutrition and multi–ethnic groups. Qureshi BA. **R Soc Health J** 1981 Oct;101(5):187–9, 195

Measles mortality and ethnic groups. Anderson CM. **S Afr Med J** 1982 Jul 17;62(3):86–8 (15 ref.)

Ethnicity and infant mortality in Texas counties. Markides KS, et al. **Soc Biol** 1980 Winter;27(4):261–71

The Shirishana of the Yanomami: a demographic study. Peters JF. **Soc Biol** 1980 Winter;27(4):272–85

HLA profile of the Mexican Mestizo population. Arellano J, et al. **Tissue Antigens** 1981 Oct;18(4):242–6

HLA–A, B, C, DR antigens, Bf, C4 and glyoxalase I (GLO) polymorphisms in French Basques with insulin–dependent diabetes mellitus (IDDM). Cambon–de Mouzon A, et al. **Tissue Antigens** 1982 May;19(5):366–79

The HLA antigen distribution in the Gipsy population in Hungary. Gyódi E, et al. **Tissue Antigens** 1981 Jul; 18(1):1–12

Intestinal protozoan infections: prevalence in the San Francisco Bay Area. Markell EK, et al. **West J Med** 1981 Sep;135(3):188–90

Red–cell enzyme study among some migrant tribal populations in the Andaman Islands. Bhattacharyya SK, et al. **Z Morphol Anthropol** 1980;71(3):336–40

Emergence of the permanent dentition: ethnic variability among Israeli children. Koyoumdjisky–Kaye E, et al. **Z Morphol Anthropol** 1981;72(3):267–82

The secular trend in the growth of southern Chinese girls in Hong Kong. Low WD, et al. **Z Morphol Anthropol** 1981; 72(1):77–88

Growth of the second metacarpal in Chinese children from different socioeconomic strata. Low WD, et al. **Z Morphol Anthropol** 1980;71(3):250–8

A genetical study of the five tribal groups of Andhra Pradesh, India. Pingle U, et al. **Z Morphol Anthropol** 1981; 72(3):339–48

Revised regression equations for prediction of fat–free mass of Indian females. Satwanti, et al. **Z Morphol Anthropol** 1981;72(2):181–5

Body fat and fat–free mass assessed by densitometric and anthropometric techniques in adult Indian women. Satwanti, et al. **Z Morphol Anthropol** 1980;71(3):274–84

Physical growth of Gaddi Rajput boys of Dhaula Dhar Range of the Himalayas. II. Extremities. Singh SP, et al. **Z Morphol Anthropol** 1981;72(2):113–26

Changes in somatotypes during 4 to 20 years in Gaddi Rajput boys. Singh SP, et al. **Z Morphol Anthropol** 1980; 71(3):285–93

Body morphology and anthropometric somatotypes of Rajput and Brahmin Gaddis of Dhaula Dhar Range, Himalayas. Singh SP. **Z Morphol Anthropol** 1981; 72(3):315–23

Pubertal development of Gaddi Rajput boys of Dhaula Dhar Range of the Himalayas. Singh SP, et al. **Z Morphol Anthropol** 1981;72(1):89–98

Lognormal distribution of some anthropometric measurements in healthy Indian males. Verma SS, et al. **Z Morphol Anthropol** 1981;72(2):187–94

Genetic markers in eight endogamous population groups from Andhra Pradesh (South India). Walter H, et al. **Z Morphol Anthropol** 1981;72(3):325–38

[The Meo in North Vietnam and the ethnic use of opium] Sita F. **Cas Lek Cesk** 1982 Feb 19;121(7):217–21 **(Cze)**

[Anthropology and clinical signs of longevity] Tvaroh F. **Cas Lek Cesk** 1981 Sep 17;120(37):1122–3 **(Cze)**

[A low incidence of cervical carcinoma in women of gypsy origin in the Karlovy Vary district] Hrádek D, et al. **Cesk Gynekol** 1981 Apr;46(3):210–2 **(Cze)**

[Ethnic factors in arterial hypertension] Fabre J. **Nephrologie** 1980;1(2):71–2 **(Fre)**

[Cardiovascular risk factors in headquarters staff of the World Health Organization] Bréguet D, et al. **Schweiz Med Wochenschr** 1981 Jan 10;111(2):53–60 (Eng. Abstr.) **(Fre)**

[Models and pragmatism, activation and repetition: reflections on causality of disease in the Senufo people of the Ivory Coast] Sindzingre N, et al. **Soc Sci Med [B]** 1981 Jul;15(3):279–93 **(Fre)**

[Glucose tolerance and electrocardiographic findings in occupants of middle age in a village on Crete] Katsilambros N, et al. **Med Welt** 1981 Oct 23;32(43):1627–9 **(Ger)**

[Mortality of Gypsy infants in Szabolcs–Szatmár County during 1958–1978, in light of improved health care] Bodnár L. **Orv Hetil** 1981 Aug 2;122(31):1903–11 **(Hun)**

[Health and socioeconomic status of elderly Bedouins in Libya] Klepacki Z, et al. **Wiad Lek** 1981 Aug 15; 34(16):1341–8 (Eng. Abstr.) **(Pol)**

[Characteristics of the fucoglycoproteins in Buryats] Rabinovich PD, et al. **Genetika (Moskva)** 1982 Apr; 18(4):668–73 (Eng. Abstr.) **(Rus)**

[Koryak of Kamchatka. The genetic differentiation of the population] Sheremet'eva VA, et al. **Genetika (Moskva)** 1981;17(7):1309–12 (Eng. Abstr.) **(Rus)**

[Health education characteristics and effectiveness among the nationalities of the Kola Peninsula in the Far North] Shamlian NP. **Gig Sanit** 1982 May;(5):45–7 **(Rus)**

[Indices of the metabolic processes in healthy children, native inhabitants of the North] Krylov VI, et al. **Lab Delo** 1982; (5):285–7 (Eng. Abstr.) **(Rus)**

[Significance of geographical and ethnic factors in the incidence of hemoglobinopathies in the Tadzhik SSR] Bobokhodzhaev ZM. **Probl Gematol Pereliv Krovi** 1982 May;27(5):22–3 (Eng. Abstr.) **(Rus)**

[Family with 3 homozygotes with hereditary enzymopenic methemoglobinemia in the Uzbek population of Andizhan] Saliev KK, et al. **Probl Gematol Pereliv Krovi** 1981 Nov; 26(11):49–50 **(Rus)**

[Nutritional characteristics of the native population of Dagestan] Kerimov MK. **Vopr Pitan** 1981 Jul–Aug; (4):69–70 **(Rus)**

[Occurrence of rheumatic fever and streptococcal infection in the population of the Todzhinsk Region of the Tuva ASSR] Benevolenskaia LI, et al. **Vopr Revm** 1982 Jan–Mar; (1):14–6 **(Rus)**

[Epidemiologic and clinical features of joint diseases among the Tuvans of the Todzhinsk Region of the Tuvan ASSR] Orlov–Morozov AV, et al. **Vopr Revm** 1982 Apr–Jun; (2):52–4 **(Rus)**

[Distribution of histocompatibility antigens among multiple sclerosis patients in the Armenian population] Darbinian VZh, et al. **Zh Nevropatol Psikhiatr** 1981;81(7):1038–43 (Eng. Abstr.) **(Rus)**

[Sexual development and the levels of gonadotrophic hormones in maturing girls living in the district humenné with respect to ethnical differences observed in gypsies (author's transl)] Hudáková T, et al. **Cesk Gynekol** 1982 Apr;47(3):169–75 (Eng. Abstr.) **(Slo)**

PSYCHOLOGY

Clinical forms of depression in African and Spanish cultural communities. A new comparative study. Hanck C, et al.

Acta Psychiatr Belg 1981 Sep–Oct;81(5):437–43
Psychiatric disorders in a rural practice in the Bendel State of Nigeria. Binitie A. **Acta Psychiatr Scand** 1981 Oct; 64(4):273–80
Some observations and comments on the psychosocial profile of first–ever referrals to the psychiatric hospital, Enugu, Nigeria. Ihezue UH. **Acta Psychiatr Scand** 1982 May; 65(5):355–64
Laing's 'conspiratorial' theory of mental illness and folk societies. Erinosho OA. **Afr J Psychiatr** 1981 Jan–Apr; 7(1–2):31–5
Racial and geographic differences in the psychopathology of schizophrenia. Adebimpe VR, et al. **Am J Psychiatry** 1982 Jul;139(7):888–91
'Maternity blues' in East African clinic attenders. Harris B. **Arch Gen Psychiatry** 1981 Nov;38(11):1293–5
Use of the SADS–RDC in a tri–ethnic community survey. Vernon SW, et al. **Arch Gen Psychiatry** 1982 Jan; 39(1):47–52
Neighbours and strangers—on losing the track. Cawte J. **Aust NZ J Psychiatry** 1981 Sept;15(3):251–6
Personality attributes of males and females marrying within vs. across racial/ethnic groups. Ahern FM, et al. **Behav Genet** 1981 May;11(3):181–94
Alcoholism in Iraq [letter] Maghazaji HI, et al. **Br J Psychiatry** 1982 Mar;140:325–6
Case study of an intriguing 'primitive' murder trial: financial settlement between the murderer and the victim's family. Wasserman KT. **Bull Am Acad Psychiatry Law** 1981; 9(4):275–84
Children's color perception in relation to habitat and skin color. Gaines R, et al. **Child Dev** 1981 Sep;52(3):914–20
The temperamental characteristics of Chinese babies. Hsu C, et al. **Child Dev** 1981;52(4):1337–40
Psychiatric profiles of adolescents in pre–revolutionary Iran. Aminian H, et al. **Child Psychiatry Hum Dev** 1981 Winter; 12(2):106–20
Idioms of distress: alternatives in the expression of psychosocial distress: a case study from South India. Nichter M. **Cult Med Psychiatry** 1981 Dec;5(4):379–408
A cross cultural study of cases of functional sexual disorders among arabs. Demerdash A, et al. **Egypt J Psychiatry** 1978 Dec;1(1):51–68
Adolescent psychiatric hospitalization and ethnic origin: Hawaii 1979. Choy SS. **Hawaii Med J** 1981 Nov; 40(11):320–2
Age of initial drug experimentation among white and non–white ethnics. Jackson N, et al. **Int J Addict** 1981 Dec; 16(8):1373–86
Drinking habits in Finland and Scotland: a comparison of survey results. Simpura J. **Int J Addict** 1981 Oct; 16(7):1129–41
Role expectations and role realities of older Italian mothers and their daughters. Johnson ES. **Int J Aging Hum Dev** 1981–82;14(4):271–6
Sex differences and interpersonal relationships: a cross–sectional sample in the U.S. and India. Norman DK, et al. **Int J Aging Hum Dev** 1981–82;14(4):291–306
Effects of ethnicity of hypnotist and subject on hypnotic susceptibility. Hong GK, et al. **Int J Clin Exp Hypn** 1982 Jan;30(1):23–31
Jewish and Arab parents' coping patterns with their disabled child in Israel. Florian V, et al. **Int J Rehabil Res** 1981; 4(2):201–4
Social class and psychological disorder in natives and immigrants to Britain. Cochrane R, et al. **Int J Soc Psychiatry** 1981 Autumn;27(3):173–83
A comparative study of children's television programmes: American and Japanese. Ebata K. **Int J Soc Psychiatry** 1981 Winter;27(4):301–6
Male predominance among Palauan schizophrenics. Kauders FR, et al. **Int J Soc Psychiatry** 1982 Summer;28(2):97–102
Reintegration of chronic mental patients into the Malaysian community. Krahl W. **Int J Soc Psychiatry** 1982 Spring; 28(1):15–9
Psychopathology, treatment outcome and attitude toward mental illness in Mexican American and European patients. Lawson HH, et al. **Int J Soc Psychiatry** 1982 Spring; 28(1):20–6
Visual memory of black and white male heroin and nonheroin drug users. Penk WE, et al. **J Abnorm Psychol** 1981 Oct; 90(5):486–9
Hospital–based employees' opinions about adolescents of four racial–ethnic groups. Finkelstein JW, et al. **J Adolesc Health Care** 1981 Sep;2(1):1–7
A comparison of the neuropsychiatric status of female and male incarcerated delinquents: some evidence of sex and race bias. Lewis DO, et al. **J Am Acad Child Psychiatry** 1982 Mar;21(2):190–6
The Xhosa healers of Southern Africa. 2. The songs sung in a healing ceremony. Bührmann MV, et al. **J Anal Psychol** 1981 Oct;26(4):297–312
The Xhosa healers of Southern Africa: 3. A family therapy session with a dream as central content. Bührmann MV, et al. **J Anal Psychol** 1982 Jan;27(1):41–57
The Xhosa healers of Southern Africa. Bührmann MV, et al. **J Anal Psychol** 1982 Apr;27(2):163–73
Images of madness in Australian aborigines. Petchkovsky L. **J Anal Psychol** 1982 Jan;27(1):21–39
Comment on M. V. Bührmann's 'The Xhosa healers of Southern Africa'. Sandner D. **J Anal Psychol** 1982 Apr; 27(2):175–8
International developments in behavior therapy in Latin America. Ardila R. **J Behav Ther Exp Psychiatry** 1982 Mar; 13(1):15–20
The practice of behaviour therapy in West Africa: the case of Ghana. Danquah SA. **J Behav Ther Exp Psychiatry** 1982 Mar;13(1):5–13
Practice of behavior therapy in Japan. Yamagami T, et al. **J Behav Ther Exp Psychiatry** 1982 Mar;13(1):21–6
Personality patterns of delinquent females: ethnic and sociocultural variations. Gibbs JT. **J Clin Psychol** 1982 Jan; 38(1):198–206
Race and socioeconomic status as confounding variables in the accurate diagnosis of alcoholism. Luepnitz RR, et al. **J Clin Psychol** 1982 Jul;38(3):665–9
Bias in a neuropsychological test classification related to education, age, and ethnicity. Adams RL, et al. **J Consult Clin Psychol** 1982 Feb;50(1):143–5
MMPI differences of male Hispanic–American, black, and white heroin addicts. Penk WE, et al. **J Consult Clin Psychol** 1981 Jun;49(3):488–90
MMPI differences of black and white male polydrug abusers seeking treatment. Penk WE, et al. **J Consult Clin Psychol** 1982 Jun;50(3):463–5
Factor analysis of the revised Children's Manifest Anxiety Scale for blacks, whites, males, and females with a national normative sample. Reynolds CR, et al. **J Consult Clin Psychol** 1981 Jun;49(3):352–9
Behavioral correlates for the MMPI standard F scale and for a modified F scale for black and white psychiatric patients. Smith CP, et al. **J Consult Clin Psychol** 1981 Jun; 49(3):455–9
Comparison of MMPI scores of white and Japanese–American medical patients. Tsushima WT, et al. **J Consult Clin Psychol** 1982 Feb;50(1):150–1
Does race have an influence on patients' feelings toward physicians? Bertakis KD. **J Fam Pract** 1981 Sep;13(3):383–7
Views of Japanese and American children concerning stressful experiences. Yamamoto K, et al. **J Soc Psychol** 1982 Apr;116(Second Half):163–71
Ethnicity, distilled spirits consumption and mortality in Pennsylvania. Longnecker MP, et al. **J Stud Alcohol** 1981 Sep;42(9):791–6
Effect of vocal disguise on judgments of speakers' sex and race. Lass NJ, et al. **Percept Mot Skills** 1982 Jun;54(3 Pt 2):1235–40
Southeastern Asian refugees' presbyopia. Ong J. **Percept Mot Skills** 1981 Oct;53(2):667–70
Separation and individuation in an African society: the developmental tasks of the Gusii married woman. LeVine S, et al. **Psychiatry** 1982 Feb;45(1):61–75
Relationship of drug of choice, race, and crime to entry in drug abuse treatment. Little GL. **Psychol Rep** 1981 Apr; 48(2):486
Utility of sex, martial status, race, and age in targeting populations for mental health services. Smead VS, et al. **Psychol Rep** 1982 Jun;50(3 Pt 1):843–55
[Recent stories and psychological function modalities. Contribution of ethnology to psychopathology (author's transl)] Rotsart de Hertaing I. **Acta Psychiatr Belg** 1981 Sep–Oct;81(5):471–92 (Eng. Abstr.) **(Fre)**

ETHNOLOGY

Geographical and ethnic variations in human growth. Marshall WA. **Br Med Bull** 1981 Sep;37(3):273–9 (58 ref.)

HISTORY

Isonymy and population structure of Irish isolates during the 1890s. Relethford JH. **J Biosoc Sci** 1982 Apr;14(2):241–7

ETHNOMEDICINE see **MEDICINE, TRADITIONAL**

ETHNOPSYCHOLOGY

see related
ANTHROPOLOGY, CULTURAL

The clinician as ethnographer: a psychoanalytic perspective on the epistemology of fieldwork. Brody EB. **Cult Med Psychiatry** 1981 SEP;5(3):273–300
Chinese–American infant temperament and sleep duration: an ethnic comparison. Weissbluth M. **JDBP** 1982 Jun; 3(2):99–102

ETHOBROME see **TRIBROMOETHANOL**

ETHOFORM see **BENZOCAINE**

ETHOGLUCID see under **ETHERS**

ETHOLOGY

see related
BEHAVIOR, ANIMAL

Toward a neuroethology of mammalian vision: ecology and anatomy of rodent visuomotor behavior. Finlay BL, et al. **Behav Brain Res** 1981 Sep;3(2):133–49
Ethology and animal welfare. Osterhoff DR. **J S Afr Vet Assoc** 1981 Dec;52(4):327–9
[Behaviour and well–being (author's transl)] Wiepkema PR. **Tijdschr Diergeneeskd** 1981 Aug 15;106(16):810–25 (Eng. Abstr.) **(Dut)**
[Ethology and subversion] Vieira AB. **Agressologie** 1982 Mar; 23(1):1–13 **(Fre)**

INSTRUMENTATION

An off–line data acquisition–device for measuring ethological elements of behaviour. Hausammann KF, et al. **Physiol Behav** 1982 Apr;28(4):743–5
[Automated system for studying the higher nervous activity and motor activity of fish] Khodorkovskii VA, et al. **Zh Vyssh Nerv Deiat** 1981 Jul–Aug;31(4):883–6 **(Rus)**
[Device for graphic recording of planarian behavior] Tiras KhP, et al. **Zh Vyssh Nerv Deiat** 1981 Jul–Aug;31(4):874–7 **(Rus)**

ETHOPABATE see under **AMINOBENZOIC ACIDS**

ETHOPROPAZINE see under **PHENOTHIAZINES**

ETHOSUCCIMID see **ETHOSUXIMIDE**

ETHOSUXIMIDE

BLOOD

Hemodialysis clearance of ethosuximide in patients with chronic renal disease. Marbury TC, et al. **Am J Hosp Pharm** 1981 Nov;38(11):1757–60
Simplified gas chromatography of valproic acid and ethosuximide [letter] Manfredi C, et al. **Clin Chem** 1982 Jan;28(1):246
Improved isocratic liquid–chromatographic simultaneous measurement of phenytoin, phenobarbital, primidone, carbamazepine, ethosuximide, and N–desmethylmethsuximide in serum. Szabo GK, et al. **Clin Chem** 1982 Jan;28(1):100–4
Ethosuximide plasma concentrations: influence of age and associated concomitant therapy. Battino D, et al. **Clin Pharmacokinet** 1982 Mar–Apr;7(2):176–80
Rapid and simple GLC determination of valproic acid and ethosuximide in plasma of epileptic patients. Riva R, et al. **J Pharm Sci** 1982 Jan;71(1):110–1

METABOLISM

Ethosuximide in human milk and in plasma of a mother and her nursed infant. Rane A, et al. **Br J Clin Pharmacol** 1981 Dec;12(6):855–8
Ethosuximide kinetics: possible interaction with valproic acid. Bauer LA, et al. **Clin Pharmacol Ther** 1982 Jun; 31(6):741–5
Ethosuximide in tears, saliva, and cerebrospinal fluid. Pireddа S, et al. **Ther Drug Monit** 1981;3(4):321–3

PHARMACODYNAMICS

Influence of clonazepam and ethosuximide on ECoG pattern induced by metrazol during ontogenesis in rats. Mareš P, et al. **Act Nerv Super (Praha)** 1982 Mar;24(1):1–8
Effect of ethosuximide on dopaminergically mediated behaviours. Jadhav JH, et al. **Indian J Physiol Pharmacol** 1981 Jul–Sep;25(3):274–8
Effect of sodium valproate and ethosuximide on phenobarbital plasma protein binding. Patsalos PN, et al. **Neurology (NY)** 1982 Sep;32(9):1052–3

THERAPEUTIC USE

Blood serotonin in untreated petit–mal epileptics and influence of efficient treatment with either ethosuximide or valproate. Volanschi D, et al. **Neurol Psychiatr (Bucur)** 1982 Jan–Mar;20(1):67–70
Valproic acid versus ethosuximide in the treatment of absence seizures. Sato S, et al. **Neurology (NY)** 1982 Feb; 32(2):157–63

ETHOTOIN see under **HYDANTOINS**

ETHOXY COMPOUNDS see **ETHYL ETHERS**

ETHOXYQUIN see under **QUINOLINES**

ETHOXZOLAMIDE see under **THIAZOLES**

ETHYL AMINOBENZOATE see **BENZOCAINE**

ETHYL BISCOUMACETATE

ADVERSE EFFECTS

[Hemorrhagic diathesis induced by intake of anticoagulants of indirect action in hysteria] Zherdeva LV, et al. **Probl Gematol Pereliv Krovi** 1981 Sep;26(9):55–7 **(Rus)**

BLOOD

[Resorption of pelentan (tromexan) in relationship to age and sex] Fendrichová M, et al. **Sb Ved Pr Lek Fak Univ Karlovy [Suppl]** 1981;24(1):59–71 (Eng. Abstr.) **(Cze)**

ETHYL CHLORIDE

THERAPEUTIC USE

[Treatment of the initial stages of thrombophlebitis of the

surface veins by freezing the skin with ethyl chloride] Razin VF. **Klin Khir** 1981 Jul;(7):59 **(Rus)**

ETHYL ETHERS

Fluorine compounds in anaesthesia (9). Examination of six aliphatic compounds and four ethers. Burns TH, et al. **Anaesthesia** 1982 Mar;37(3):278–84

Labor under ether: Hilo, 1850. **Hawaii Med J** 1981 Oct; 40(10):291–2

On the end results of surgical treatment of lung cancer patients depending on the type of anesthetic agent. Wagner RI, et al. **J Surg Oncol** 1981;18(1):39–46

Variation of rat serum biochemical values following decapitation or anesthesia with ether, halothane or Innovar–VetR: rapid Innovar–VetR–induced hyperuricemia and hyperglycemia. Scott FW, et al. **Metabolism** 1982 May;31(5):514–9

[Unusual ether anesthesia] Popov G, et al. **Khirurgiia (Sofiia)** 1981;34(4):387–8 **(Bul)**

[Increase of molal volume of bovine serum albumin by inhalation anesthetic, diethylether (author's transl)] Mashimo T, et al. **Masui** 1982 Jan;31(1):29–35 (Eng. Abstr.) **(Jpn)**

[Changes in rat lymphoid tissue during ether and halothane anesthesia] Gusikhina VI, et al. **Arkh Anat Gistol Embriol** 1982 Feb;82(2):87–91 (Eng. Abstr.) **(Rus)**

[Effect of ether anesthesia on Na+, K+ ATPase activity in different brain structures] Kushchinskaia AI. **Fiziol Zh** 1981 Jul–Aug;27(4):517–20 (Eng. Abstr.) **(Rus)**

ADMINISTRATION & DOSAGE

Circulatory dynamics during surface–induced hypothermia under halothane–ether azeotrope anesthesia. Haneda K, et al. **Ann Thorac Surg** 1982 Mar;33(3):258–66

ADVERSE EFFECTS

Influence of blood removal under ether anaesthesia on the release of prolactin during the oestrous cycle in the rat. Involvement of the ovaries. Boehm N, et al. **Acta Endocrinol (Copenh)** 1982 Feb;99(2):179–86

[Toxic optic neuritis: sometimes wrongly attributed to antituberculosis treatment (author's transl)] Douche C, et al. **J Fr Ophtalmol** 1981;4(4):317–21 (Eng. Abstr.) **(Fre)**

[Domperidone after ether anaesthesia. Prevention of postoperative hyperemesis (author's transl)] Alon E, et al. **Anaesthesist** 1982 Apr;31(4):185–7 (Eng. Abstr.) **(Ger)**

[Mutilating urinary tract and kidney lesions caused by instillation of ether into the bladder] Struck E, et al. **Med Klin [Prax]** 1982 Apr 23;77(9):48–50, 55 **(Ger)**

METABOLISM

Metabolism of bis(2–chloroethyl)ether and bis(2–chloroisopropyl)ether in the rat. Lingg RD, et al. **Arch Environ Contam Toxicol** 1982;11(2):173–83

PHARMACODYNAMICS

Ether inhibition of ethanol metabolism in isolated rat liver parenchymal cells. Aune H, et al. **Alcoholism (NY)** 1981 Fall;5(4):550–5

Ganglionic blockade by procaine in the presence of pentobarbital and diethyl ether. Christ DD, et al. **Arch Int Pharmacodyn Ther** 1982 Jun;257(2):213–24

Modulation of phosphatidylcholine synthesis in vitro. Inhibition of diacylglycerol cholinephosphotransferase and lysophosphatidylcholine acyltransferase by centrophenoxine and neophenoxine. Parthasarathy S, et al. **Biochim Biophys Acta** 1981 Aug 24;665(2):345–51

Effect of ether, sodium pentobarbital and chloral hydrate anesthesia on rat plasma metabolite concentrations. Arola L, et al. **Rev Esp Fisiol** 1981 Dec;37(4):379–86

Physiological studies of exocrine pancreatic secretion in conscious rats. 4. Communication. Effects of anesthesia on flow rate and composition of pancreatic juice. Haberich FJ, et al. **Z Gastroenterol** 1982 Feb;20(2):93–100

POISONING

[Ethyl ether poisoning] Lechat P. **Bull Acad Natl Med (Paris)** 1981 Feb;165(2):277–80 **(Fre)**

[Poisoning by ether and other volatile solvents] Lechat P. **Bull Acad Natl Med (Paris)** 1981 Feb;165(2):281–2 **(Fre)**

THERAPEUTIC USE

Attenuation of experimentally–induced amnesia. Martinez JL Jr, et al. **Prog Neurobiol** 1981;16(2):155–86 (164 ref.)

ETHYL MERCURY COMPOUNDS see **ETHYLMERCURY COMPOUNDS**

ETHYL MESILATE see **ETHYL METHANESULFONATE**

ETHYL METHANESULFONATE

Mammary carcinoma induced by oral administration of ethyl methanesulphonate. Determination of some of the parameters affecting tumor induction. Ueo H, et al. **Carcinogenesis** 1981;2(12):1223–8

ANTAGONISTS & INHIBITORS

Induction of prolactin–deficient variants of GH3 rat pituitary tumor cells by ethyl methanesulfonate: reversion by 5–azacytidine, a DNA methylation inhibitor. Ivarie RD, et al. **Proc Natl Acad Sci USA** 1982 May;79(9):2967–70

PHARMACODYNAMICS

Role of DNA repair in ethyl methanesulfonate–induced mutagenesis in Saccharomyces cerevisiae. Prakash L, et al. **Carcinogenesis** 1982;3(4):439–44

Synergism between EMS and X–rays for the induction of somatic mutations in Tradescantia. Cebulska–Wasilewska A, et al. **Int J Radiat Biol** 1981 Aug;40(2):163–73

Mutagenesis and transformation of C3H 10T 1/2 cells treated with ethyl methanesulfonate. Evans HH, et al. **Mutat Res** 1981 Nov;84(1):203–19

Absence of synergism between mutagenic treatments, given one generation apart, in Drosophila melanogaster. Knaap AG, et al. **Mutat Res** 1982 Feb 22;92(1–2):117–21

EMS– and radiation–induced mutation frequencies at individual loci in Arabidopsis thaliana (L.) Heynh. Koornneef M, et al. **Mutat Res** 1982 Mar;93(1):109–23

Influence of experimental conditions and DNA repair ability on EMS–induced mutagenesis and DNA binding in Escherichia coli K12: comparison with mammalian cell mutagenesis. Mohn GR, et al. **Mutat Res** 1982 Feb 22; 92(1–2):15–27

Effect of post–treatment with aphidicolin – a specific inhibitor of DNA polymerase alpha – on sister–chromatid exchanges induced by ethyl methanesulfonate. Nishi Y, et al. **Mutat Res** 1982 Feb;103(2):155–9

Investigations on radiosensitive and radioresistant populations of Drosophila melanogaster. XIII. Effects of radioresistant mutants (rar) on chemical (EMS) mutagenesis. Nöthel H, et al. **Mutat Res** 1982 Jan; 103(1):87–90

Mitochondrial mutagenesis in Saccharomyces cerevisiae. V. Ethyl methanesulfonate. Polakowska R, et al. **Mutat Res** 1981 Nov;84(1):29–36

The distribution of induced sister–chromatid exchanges: a tool for identifying agents directly interacting with DNA. Rainaldi R, et al. **Mutat Res** 1982 Mar;103(3–6):333–7

TOXICITY

Cytogenetic effects on the eastern mudminnow, Umbra pygmaea, exposed to ethyl methanesulfonate, benzo[a]pyrene, and river water. Hooftman RN, et al. **Ecotoxicol Environ Safety** 1981 Sep;5(3):261–9

Antispermatogenic effects of ethyl methanesulfonate and benzo[a]pyrene in PD4 Lakeview hamsters. Singh H, et al. **J Toxicol Environ Health** 1981 Nov–Dec;8(5–6):929–37

ETHYLAMINES

ANTAGONISTS & INHIBITORS

Irreversible blockade of responses to a partial agonist acting at the histamine H1–receptor. Cook D, et al. **Eur J Pharmacol** 1982 Jan 22;77(2–3):125–9

CHEMICAL SYNTHESIS

[Synthesis and biological activity of substituted 2–(4–imidazolyl)ethylamines] Plazzi PV, et al. **Farmaco [Sci]** 1981 Nov;36(11):931–31 (Eng. Abstr.) **(Ita)**

METABOLISM

The metabolism of 2–bromo–[1–14C]ethan–1–amine (BEA): a model compound for inducing renal papillary necrosis (RPN). Bach PH, et al. **Dev Toxicol Environ Sci** 1980; 8:533–6

THERAPEUTIC USE

[Medifoxamine 50, an antidepressive drug without atropine–like side effects] Delaunay J, et al. **Ann Med Psychol (Paris)** 1982 Jan;140(1):148–56 **(Fre)**

ETHYLDICOUMAROL see **ETHYL BISCOUMACETATE**

ETHYLDIMETHYLAMINOPROPYL CARBODIIMIDE see under **CARBODIIMIDES**

ETHYLDITHIURAME see **DISULFIRAM**

ETHYLENE CHLOROHYDRIN see under **CHLOROHYDRINS**

ETHYLENE DIBROMIDES see under **HYDROCARBONS, BROMINATED**

ETHYLENE DICHLORIDES see under **HYDROCARBONS, CHLORINATED**

ETHYLENE GLYCOLS

Improved diethylene glycol distearate embedding wax. Graham ET. **Stain Technol** 1982 Jan;57(1):39–43

ADMINISTRATION & DOSAGE

Phenoxetol–chlorhexidine cream as a prophylactic antibacterial agent in burns [letter] Bollag U. **Lancet** 1982 Jul 10;2(8289):106

Evaluation of phenoxetol–chlorhexidine cream as a prophylactic antibacterial agent in burns. Lawrence JC, et al. **Lancet** 1982 May 8;1(8280):1037–40

[New method of treatment of rosacea with metronidazole and Anavenol or Venacorn] Malaszyńska–Olkiewicz E, et al. **Przegl Dermatol** 1981 May–Jun;68(3):395–8 (Eng. Abstr.) **(Pol)**

ANALYSIS

A simple method for the accurate determination of free [Ca] in Ca–EGTA solutions. Bers DM. **Am J Physiol** 1982 May; 242(5):C404–8

BLOOD

Ethanol/ethylene glycol interaction on aca [letter] Bruns DE, et al. **Clin Chem** 1982 Feb;28(2):397

Liquid–chromatographic determination of ethylene glycol in plasma. Gupta RN, et al. **Clin Chem** 1982 Jan;28(1):32–3

Gas–chromatographic determination of ethylene glycol in serum. Porter WH, et al. **Clin Chem** 1982 Jan;28(1):75–8

METABOLISM

Ethoxyacetic acid and N–ethoxyacetylglycine: metabolites of ethoxyethanol (ethylcellosolve) in rats. Jönsson AK, et al. **Acta Pharmacol Toxicol (Copenh)** 1982 May;50(5):358–62

Bacterial metabolism of ethylene glycol. Willetts A. **Biochim Biophys Acta** 1981 Oct 12;677(2):194–9

Nitroglycol concentrations in blood and urine of workers engaged in dynamite production. Fukuchi Y. **Int Arch Occup Environ Health** 1981;48(4):339–46

Effects of lung inflation on alveolar epithelial solute and water transport properties. Kim KJ, et al. **J Appl Physiol** 1982 Jun;52(6):1498–505

Possible role of octopamine and tyramine in the antihypertensive and antidepressant effects of tyrosine. Edwards DJ. **Life Sci** 1982 Apr 26;30(17):1427–34

PHARMACODYNAMICS

Synergistic effect of Ca2+ and Mg2+ in promoting an activity of phosphorylase kinase that is insensitive to ethylene glycol bis(beta–aminoethyl ether)–N,N'–tetraacetic acid. King MM, et al. **Arch Biochem Biophys** 1981 Jul;209(2):517–23

Effect of acute ethylene glycol toxicity on blood ammonia & brain amino acids in male albino rats. Rajagopal G, et al. **Indian J Exp Biol** 1981 Jun;19(6):538–40

Stimulation of calcium transport of sarcoplasmic reticulum vesicles by the calcium complex of ethylene glycol bis(beta–aminoethyl ether)–N,N',–tetraacetic acid. Berman MC. **J Biol Chem** 1982 Feb 25;257(4):1953–7

Effects of organic solvents on flagellar asymmetry and quiescence in sea urchin sperm. Gibbons BH. **J Cell Sci** 1982 Apr;54:115–35

Enhancement of coagglutination reactions of the Phadebact gonococcus test by ethylenediaminetetraacetate and ethylene glycol–bis(beta–aminoethyl ether)–N,N–tetraacetate. Izakson I, et al. **J Clin Microbiol** 1981 Sep;14(3):261–5

Acetylcoenzyme A and acetylcholine in slices of rat caudate nuclei incubated with (–)–hydroxycitrate, citrate, and EGTA. Říčný J, et al. **J Neurochem** 1982 Sep;39(3):668–73

Prenatal interactions between ethanol and the industrial solvent 2–ethoxyethanol in rats: neurochemical effects in the offspring. Nelson BK, et al. **Neurobehav Toxicol Teratol** 1982 May–Jun;4(3):395–401

Prenatal interactions between ethanol and the industrial solvent 2–ethoxyethanol in rats: maternal and behavioral teratogenic effects. Nelson BK, et al. **Neurobehav Toxicol Teratol** 1982 May–Jun;4(3):387–94

Anti–complementary activity for guinea–pig and sheep complement in serum and Mg2+ EGTA plasma from various animals. Stankiewicz M, et al. **NZ Vet J** 1981 Jun; 29(6):107–8

Freeze–fracture analysis of gap junction disruption in rat ovarian granulosa cells. Campbell KL, et al. **Tissue Cell** 1981;13(4):651–68

Haemolysis of human erythrocytes heavily sensitized with sheep amboceptor by sheep complement chelated with EGTA or Mg2+–EGTA. Stankiewicz M, et al. **Vet Immunol Immunopathol** 1981 Jun;2(3):253–64

POISONING

Ethylene glycol poisoning. A case report. Gordon HL, et al. **Anaesthesia** 1982 Mar;37(3):332–8

Neurological complications of ethylene glycol intoxication. Report of a case. Berger JR, et al. **Arch Neurol** 1981 Nov; 38(11):724–6

Treatment of ethylene glycol poisoning with peritoneal dialysis. Vale JA, et al. **Br Med J [Clin Res]** 1982 Feb 20;284(6315):557

An activated charcoal hemoperfusion system for the treatment of barbital or ethylene glycol poisoning in dogs. Adaudi AO, et al. **Clin Toxicol** 1981 Sep;18(9):1105–15

Ethylene glycol poisoning [letter] Light RT, et al. **JAMA** 1981 Oct 16;246(16):1769

Epidemiologic considerations of ethylene glycol intoxication

in small animals. Mueller DH. **Vet Hum Toxicol** 1982 Feb; 24(1):21–4

[Acute ethylene glycol poisoning in a 3–year–old child] Pachl J, et al. **Cesk Pediatr** 1981 Dec;36(12):707–10 (Eng. Abstr.) **(Cze)**

[Effect of hydroxyethylidene diphosphonic acid on functional and morphological changes in the kidneys caused by ethylene glycol] Varsanovich EA, et al. **Farmakol Toksikol** 1982 Mar–Apr;45(2):118–21 **(Rus)**

[Crystalluria and spasms confirm the diagnosis of ethylene glycol intoxication] Lund PC, et al. **Lakartidningen** 1982 Mar 24;79(12):1152 **(Swe)**

THERAPEUTIC USE

Some observations on the activity of three antiseptics used as bladder irrigants in the treatment of urinary tract infection in patients with indwelling catheters. Stickler DJ, et al. **Paraplegia** 1981;19(6):325–33

TOXICITY

Dose–dependent toxicity of ethylene glycol monomethyl ether vapour in the rat. Heinonen T, et al. **Eur J Drug Metab Pharmacokinet** 1981;6(4):275–80

Ethoxyethanol behavioral teratology in rats. Nelson BK, et al. **Neurotoxicology (Park Forest Il)** 1981 Oct;2(2):231–49

Comparative short–term inhalation toxicity of ethylene glycol monomethyl ether and propylene glycol monomethyl ether in rats and mouse. Miller RR, et al. **Toxicol Appl Pharmacol** 1981 Dec;61(3):368–77

Embryotoxic effects of ethylene glycol monomethyl ether in mice. Nagano K, et al. **Toxicology** 1981;20(4):335–43

[The effects of nitroglycol at low concentrations (author's transl)] Fukuchi Y. **Hokkaido Igaku Zasshi** 1981 May; 56(3):245–7 (Eng. Abstr.) **(Jpn)**

[Data on the hygienic standardization of an ester of ethylene glycol and fatty acids in the reservoir waters] Sapegin DI, et al. **Gig Sanit** 1981 Aug;(8):89–90 **(Rus)**

[Data for a hygienic standard for ethylene glycol in the air of a work area] Filatova VS, et al. **Gig Tr Prof Zabol** 1982 Jun;(6):28–30 (Eng. Abstr.) **(Rus)**

ETHYLENE OXIDE

Modification of deoxyguanosine by chloroethylene oxide. Scherer E, et al. **Carcinogenesis** 1981;2(7):671–7

Influence of ethylene oxide exposure on the extraction of indomethacin from dimethicone polymeric rods. Hurst PR, et al. **J Pharm Sci** 1982 May;71(5):596–7

EO gas sterilization and humidity. Danielson NE. **Med Instrum** 1981 Sep–Oct;15(5):313–4

[Action of ethylene oxide upon tobacco (Nicotiana tabacum L.): absorption and combinations (author's transl)] Chaigneau M, et al. **Ann Pharm Fr** 1981;39(4):305–11 (Eng. Abstr.) **(Fre)**

ADVERSE EFFECTS

Possible relationship of ethylene oxide exposure to cataract formation. Jay WM, et al. **Am J Ophthalmol** 1982 Jun; 93(6):727–32

A possible case of delayed hypersensitivity to ethylene oxide. Boonk WJ, et al. **Clin Exp Dermatol** 1981 Jul;6(4):385–90

Ethylene oxide dermatitis. Alomar A, et al. **Contact Dermatitis** 1981 Jul;7(4):205–7

Mortality among ethylene oxide workers. Morgan RW, et al. **JOM** 1981 Nov;23(11):767–70

[Carcinogenic activity of ethylene oxide and its reaction products 2–chloroethanol, 2–bromoethanol, ethylene glycol and diethylene glycol. I. Carcinogenicity of ethylene oxide in comparison with 1,2–propylene oxide after subcutaneous administration in mice (author's transl)] Dunkelberg H. **Zentralbl Bakteriol Mikrobiol Hyg [B]** 1981 Dec;174(5):383–404 (Eng. Abstr.) **(Ger)**

[Dermatitis caused by ethylene oxide] Alomar A, et al. **Med Cutan Iber Lat Am** 1981;9(4):293–6 (Eng. Abstr.) **(Spa)**

ANALOGS & DERIVATIVES

In vitro metabolism of acrylonitrile to 2–cyanoethylene oxide, reaction with glutathione, and irreversible binding to proteins and nucleic acids. Guengerich FP, et al. **Cancer Res** 1981 Dec;41(12 Pt 1):4925–33

ANALYSIS

Detection of acrylonitrile and ethylene oxide in air and fumigated foodstuffs. Rajendran S, et al. **Bull Environ Contam Toxicol** 1981 Sep;27(3):426–31

[Gas chromatographic determination of ethylene oxide in the air] Dmitriev MT, et al. **Gig Sanit** 1982 Apr;(4):65–8 **(Rus)**

METABOLISM

The comparative metabolism of 2–bromoethanol and ethylene oxide in the rat. Jones AR, et al. **Xenobiotica** 1981 Nov;11(11):763–70

PHARMACODYNAMICS

Sister chromatid exchanges induced in rabbit lymphocytes by ethylene oxide after inhalation exposure. Yager JW, et al. **Environ Mutagen** 1982;4(2):121–34

Human skin reaction to ethylene oxide. Shupack JL, et al. **J Lab Clin Med** 1981 Nov;98(5):723–9

In vivo and in vitro ethylene oxide exposure of human lymphocytes assessed by chemical stimulation of unscheduled DNA synthesis. Pero RW, et al. **Mutat Res** 1981 Sep;83(2):271–89

A reduced capacity for unscheduled DNA synthesis in lymphocytes from individuals exposed to propylene oxide and ethylene oxide. Pero RW, et al. **Mutat Res** 1982 Apr; 104(1–3):193–200

Chromosomal aberrations induced by ethylene oxide in a human amniotic cell line in vitro. Poirier V, et al. **Mutat Res** 1982 May–Jun;104(4–5):255–60

[Use of ethylene oxide and handling of ethylene oxide sterilizers] Herzog V, et al. **Z Gesamte Hyg** 1981 Nov; 27(11):845–9 (Eng. Abstr.) **(Ger)**

POISONING

Acute ethylene oxide intoxication. Salinas E, et al. **Drug Intell Clin Pharm** 1981 May;15(5):384–6

TOXICITY

Prenatal susceptibility to carcinogenesis by xenobiotic substances including vinyl chloride. Rice JM. **Environ Health Perspect** 1981 Oct;41:179–88

Effects on reproduction in Fischer 344 rats exposed to ethylene oxide by inhalation for one generation. Snellings WM, et al. **Toxicol Appl Pharmacol** 1982 May;63(3):382–8

ETHYLENE POLYMERS see **POLYETHYLENES**

ETHYLENEBIS(DITHIOCARBAMATES) see under **THIOCARBAMATES**

ETHYLENEDIAMINES

Interaction of tubulin with drugs and alkylating agents. 1. Alkylation of tubulin by iodo[14C]acetamide and N,N'–ethylenebis(iodoacetamide). Ludueña RF, et al. **Biochemistry** 1981 Jul 21;20(15):4437–44

Siderophilin metal coordination. Difference ultraviolet spectroscopy of di–, tri–, and tetravalent metal ions with ethylenebis[(o–hydroxyphenyl)glycine]. Pecoraro VL, et al. **Biochemistry** 1981 Nov 24;20(24):7033–9

Nonliquid reagent for detecting nitrate reduction. Lampe AS. **J Clin Microbiol** 1981 Oct;14(4):452–4

[On the volatility of ethylenediamine from aminophylline (author's transl)] Ishiguro Y, et al. **Yakugaku Zasshi** 1982 Jan;102(2):211–4 (Eng. Abstr.) **(Jpn)**

ADVERSE EFFECTS

Lymphomatoid contact dermatitis due to ethylenediamine dihydrochloride. Wall LM. **Contact Dermatitis** 1982 Jan; 8(1):51–4

[Acute urticaria in ethylene diamine theophylline therapy (letter)] Neumann H. **Dtsch Med Wochenschr** 1982 Jan 22; 107(3):116 **(Ger)**

[Contact allergy to epoxy resin hardeners] Rudzki E, et al. **Med Pr** 1981;32(1):59–62 (Eng. Abstr.) **(Pol)**

ANALYSIS

Effect of dietary iodine on tissue iodine content in the bovine. Downer JV, et al. **J Anim Sci** 1981 Feb;52(2):413–7

13C–n.m.r. as a convenient aid to the differentiation of triethylenetetramine (TETA) dihydrochloride from related impurities. Casy AF. **J Pharm Pharmacol** 1981 May; 33(5):333–4

Stability study of aminophylline suppositories. Part I: Decomposition products and specific assay method for ethylenediamine. van Dop C, et al. **Pharm Acta Helv** 1981; 56(9–10):281–4

BLOOD

Craviten hydrolysis in plasma in vitro. Pogonowska–Wala E. **Pol J Pharmacol Pharm** 1981 Oct;33(3):365–71

CHEMICAL SYNTHESIS

N,N'–Dialkyl–1,2–bis(hydroxyphenyl)ethylenediamines and N,N–dialkyl–4,5–bis(4–hydroxyphenyl)imidazolidines: syntheses and evaluation of their mammary tumor inhibiting activity. von Angerer E, et al. **J Med Chem** 1982 Jul;25(7):832–7

[H2–antihistaminics, VIII: Synthesis of potential H2–antihistaminics with ethylenediamine structure (author's transl)] Herke J, et al. **Arch Pharm (Weinheim)** 1982 Jul;315(7):641–5 **(Ger)**

DIAGNOSTIC USE

Technetium–99m–ethylenediamine: a new cationic complex of technetium. Thornback JR, et al. **Int J Appl Radiat Isot** 1981 Nov;32(11):833–8

Biodistribution and renal excretion of 99mTc–N,N'–bis–(Mercaptoacetamido) ethylenediamine. Effect of renal tubular transport inhibitors. Fritzberg AR, et al. **Int J Nucl Med Biol** 1982;9(1):79–82

Chemical and in vivo studies of the anion oxo[N,N'–ethylenebis(2–mercaptoacetimido)]Technetate(V Jones AG, et al. **J Nucl Med** 1982 Sep;23(9):801–9

Clinical comparison of Tc–99m N,N'–bis(mercaptoacetamido)ethylenediamine and [131I]ortho–iodohippurate for evaluation of renal tubular function: concise communication. Klingensmith WC 3d, et al. **J Nucl Med** 1982 May;23(5):377–80

IMMUNOLOGY

Hypersensitivity reactions to ethylenediamine in aminophylline [letter] Stratton TP, et al. **Am Rev Respir Dis** 1981 Oct;124(4):511–2

METABOLISM

Oxidation of N–nitroethylenediamine, a GABA analog from agaricus silvaticus, by GABA aminotransferase. Alston TA, et al. **Biochem Biophys Res Commun** 1981 Dec 15; 103(3):1077–82

Uptake and calcium–dependent release of ethylenediamine (1,2–diaminoethane) by rat brain slices. Lloyd HG, et al. **J Neurochem** 1982 Apr;38(4):1118–22

PHARMACODYNAMICS

Interaction of tubulin with drugs and alkylating agents. 2. Effects of colchicine, podophyllotoxin, and vinblastine on the alkylation of tubulin. Ludueña RF, et al. **Biochemistry** 1981 Jul 21;20(15):4444–50

Evaluation of iron–chelating agents in an in vivo system: potential usefulness of EHPG, a powerful iron–chelating drug. Hershko C, et al. **Br J Haematol** 1982 Jun; 51(2):251–60

Comparison of the effects of ethylenediamine analogues and gamma–aminobutyric acid on cortical and pallidal neurones. Perkins MN, et al. **Br J Pharmacol** 1982 Jan; 75(1):93–9

Progressive atrophy of pancreatic acinar tissue in rats fed a copper–deficient diet supplemented with D–penicillamine or triethylene tetramine: morphological and physiological studies. Smith PA, et al. **Digestion** 1982;23(1):16–30

Pharmacological studies of certain amides of substituted ethylenediamines – I. Sethi OP, et al. **Indian J Physiol Pharmacol** 1981 Jan–Mar;25(1):1–10

Interactions of the tau–tubulin–vinblastine complex with colchicine, podophyllotoxin, and N,N'–ethylenebis(iodoacetamide). Palanivelu P, et al. **J Biol Chem** 1982 Jun 10;257(11):6311–5

Ethylenediamine as a specific releasing agent of gamma–aminobutyric acid in rat striatal slices. Lloyd HG, et al. **J Neurochem** 1982 Apr;38(4):1168–9

Ethylenediamine as a GABA agonist: enhancement of diazepam binding and interaction with GABA receptors and uptake sites. Davies LP, et al. **Neurosci Lett** 1982 Mar 17;29(1):57–61

[Effect of Craviten on blood dopamine beta–hydroxylase activity] Grabowska M, et al. **Folia Med Cracov** 1980; 22(3–4):359–66 **(Pol)**

POISONING

Low tissue copper and teratogenesis in trientine–treated rats [letter] Keen CL, et al. **Lancet** 1982 May 15;1(8281):1127

THERAPEUTIC USE

Efficacy of ethylenediamine dihydrochloride in dogs and cats. Finco DR. **Am J Vet Res** 1981 Apr;42(4):670–3

Wilson's disease. An analysis of the cranial computerized tomographic appearances found in 60 patients and the changes in response to treatment with chelating agents. Williams FJ, et al. **Brain** 1981 Dec;104(Pt 4):735–52

Wilson's disease, an end to the search for new therapy? [letter] May PM, et al. **Lancet** 1982 May 15;1(8281):1127

Treatment of Wilson's disease with trientine (triethylene tetramine) dihydrochloride. Walshe JM. **Lancet** 1982 Mar 20;1(8273):643–7

TOXICITY

Toxicology of ethylenediamine dihydriodide [letter] LLoyd WE. **J Am Vet Med Assoc** 1982 Mar 1;180(5):476, 478

Toxicology of ethylenediamine dihydriodide [letter] Strain GM, et al. **J Am Vet Med Assoc** 1981 Oct 15;179(8):751, 772

ETHYLENEDIAMINETETRAACETIC ACID see **EDTA**

ETHYLENES

see related
POLYETHYLENES

ADVERSE EFFECTS

[Phytotoxic effects of ethylenes] Dässler HG, et al. **Z Gesamte Hyg** 1982;28(1):22–4 (Eng. Abstr.) **(Ger)**

CHEMICAL SYNTHESIS

Crypto – OH. radical production by nitrofurantoin. Youngman RJ, et al. **Biochem Pharmacol** 1982 Feb 15; 31(4):603–6

POISONING

Identification of human toxicity and carcinogenicity by ethylene derivatives. Tamburro CH, et al. **Dev Toxicol Environ Sci** 1980;8:319–33

TOXICITY

Reactive metabolites and carcinogenicity of halogenated ethylenes. Bolt HM, et al. **Biochem Pharmacol** 1982 Jan 1;31(1):1–4

[Hygienic study of a new polymeric thickening agent and a printing ink based on it] Chekal' VN, et al. **Gig Sanit** 1981 Aug;(8):87 **(Rus)**

ETHYLENETHIOUREA see under **IMIDAZOLES**

ETHYLESTRENOL

PHARMACODYNAMICS

Effect of dietary protein level, and an anabolic steroid, ethylestrenol, on the growth, food conversion efficiency and protein efficiency ratio of rainbow trout (Salmo gairdneri). Ince BW, et al. **Br J Nutr** 1982 May; 47(3):615–24

ETHYLMALEIMIDE

Use of N-ethylmaleimide to prevent interference by sulfhydryl reagents with the glucose oxidase assay for glucose. Haugaard N, et al. **Anal Biochem** 1981 Sep 15; 116(2):341–3

METABOLISM

Studies on the metabolism of unsaturated fatty acids. IV. N-Ethylmaleimide reducing activity in Escherichia coli K-12. Mizugaki M, et al. **Chem Pharm Bull (Tokyo)** 1981 Feb;29(2):570–3

Incorporation of N-ethylmaleimide into the membrane-bound ADP/ATP translocator. Isolation of the protein labeled with N-[3H]ethylmaleimide. Aquila H, et al. **Eur J Biochem** 1982 Feb;122(1):133–9

PHARMACODYNAMICS

Interrelationships between thermal-, N-ethylmaleimide-, and Ca2+-calmodulin-mediated activation/inactivation of dynein ATPase activities. Blum JJ, et al. **Arch Biochem Biophys** 1981 Aug;210(1):363–71

Inactivation of cardiac adenylate cyclase by oxidation, trivalent arsenicals, and N-ethylmaleimide. Drummond GI. **Arch Biochem Biophys** 1981 Oct 1;211(1):30–8

Spatial separation of the two essential thiol groups and the binding site of the exchangeable GTP in brain tubulin. A spin label study. Deinum J, et al. **Biochim Biophys Acta** 1981 Nov 30;671(1):1–8

Template-binding site of AMV reverse transcriptase and inactivation of the enzyme by N-ethylmaleimide. Parnaik VK, et al. **Biochim Biophys Acta** 1981 Sep 28;655(2):181–8

Dissociation of frog olfactory epithelium with N-ethylmaleimide. Kleene SJ, et al. **Brain Res** 1981 Dec 21;229(2):536–40

N-ethylmaleimide induces K+ -H+ antiport activity in Escherichia coli K-12. Bakker EP, et al. **FEBS Lett** 1982 Apr 19;140(2):177–80

N-ethylmaleimide increases the facility of aqueous outflow of excised monkey and calf eyes. Epstein DL, et al. **Invest Ophthalmol Vis Sci** 1982 Jun;22(6):752–6

DNA polymerases of Tetrahymena pyriformis. I. Characterization of two N-ethylmaleimide-sensitive DNA polymerases from exponentially growing cells. Sakai A, et al. **J Biochem (Tokyo)** 1982 Mar;91(3):845–53

DNA polymerases of Tetrahymena pyriformis. II. Does an N-ethylmaleimide-resistant polymerase exist in Tetrahymena? Sakai A, et al. **J Biochem (Tokyo)** 1982 Mar; 91(3):855–63

Effect of concentration of potassium salts on the activity of the N-ethylmaleimide-treated hemin-controlled translational inhibitor. Suzuki H, et al. **J Biochem (Tokyo)** 1982 May;91(5):1607–15

The sulfhydryl groups involved in the active site of myosin B adenosinetriphosphatase. VII. A chemical modification of colonic smooth myosin B with N-ethylmaleimide. Takamatsu H, et al. **J Biochem (Tokyo)** 1981 Aug; 90(2):545–9

Effects of magnesium and N-ethylmaleimide on the binding of 3H-hydroxybenzylisoproterenol to beta-adrenergic receptors. Heidenreich KA, et al. **J Biol Chem** 1982 Jan 25;257(2):804–10

Uncoupling of alpha-adrenoceptor-mediated inhibition of human platelet adenylate cyclase by N-ethylmaleimide. Jakobs KH, et al. **J Biol Chem** 1982 Mar 25;257(6):2829–33

Identification of an active site cysteine residue in Escherichia coli pyruvate oxidase. Koland JG, et al. **J Biol Chem** 1982 Jun 10;257(11):6023–7

The reaction of sulfhydryl groups of sodium and potassium ion-activated adenosine triphosphatase with N-ethylmaleimide. The relationship between ligand-dependent alterations of nucleophilicity and enzymatic conformational states. Winslow JW. **J Biol Chem** 1981 Sep 25;256(18):9522–31

The N-ethylmaleimide-sensitive cysteine residue in the pH-dependent subunit interactions of malate dehydrogenase. Wood DC, et al. **J Biol Chem** 1981 Oct 10;256(19):9895–900

Role of sulfhydryl groups in aortic responses using N-ethylmaleimide. Tomera JF, et al. **J Cardiovasc Pharmacol** 1981 Sep–Oct;3(5):1093–105

Studies on co-operative properties of tropomyosin-actin and tropomyosin-troponin-actin complexes by the use of N-ethylmaleimide-treated and untreated species of myosin subfragment 1. Nagashima H, et al. **J Mol Biol** 1982 Mar 15;155(4):409–28

Inactivation of benzodiazepine binding sites by N-ethylmaleimide. Martini C, et al. **J Neurochem** 1982 Jun; 38(6):1768–70

Acute effects of alkylating agents on canine renal function: N-ethylmaleimide and some of its potential biotransformation products. Koechel DA, et al. **J Pharmacol Exp Ther** 1982 Jun;221(3):623–8

Independent control of selected insulin-sensitive cell membrane and intracellular functions – the linkage of cell membrane and intracellular events controlled by insulin. II. The influence of glutathione and N-ethyl maleimide on insulin binding, membrane hexose transport and glycogen synthase activation. Kikuchi K, et al. **Mol Cell Biochem** 1981 Jul 7;37(2):117–23

Two different modifications of the neuroblastoma X glioma hybrid opiate receptors induced by N-ethylmaleimide. Larsen NE, et al. **Mol Pharmacol** 1981 Sep;20(2):255–62

The effect of various inhibitors on the 5-HT binding and uptake by human platelets. Malmgren R, et al. **Thromb Res** 1981 May 15;22(4):469–80

ETHYLMERCURIALS see **ETHYLMERCURY COMPOUNDS**

ETHYLMERCURY CHLORIDE see under **ETHYLMERCURY COMPOUNDS**

ETHYLMERCURY COMPOUNDS

ADVERSE EFFECTS

Ocular inflammation in patients using soft contact lenses. Rietschel RL, et al. **Arch Dermatol** 1982 Mar;118(3):147–9

Delayed hypersensitivity to thimerosal in soft contact lens wearers. Wilson LA, et al. **Ophthalmology (Rochester)** 1981 Aug;88(8):804–9

Allergic and toxic reactions of soft contact lens wearers. Mondino BJ, et al. **Surv Ophthalmol** 1982 May–Jun; 26(6):337–44 (63 ref.)

Thimerosal dependent agglutination, a newly described blood bank problem. Shulman IA, et al. **Transfusion** 1982 May–Jun;22(3):241–3

[Antimicrobial safety of eye drops and their adjustment] Háze K, et al. **Cesk Farm** 1981 Nov;30(9):319–21 (Eng. Abstr.) **(Cze)**

ANALYSIS

Gas chromatographic determination of methyl and ethyl mercury: 'passivation' of the chromatographic column. O'Reilly JE. **J Chromatogr** 1982 Apr 23;238(2):433–44

Determination of thimerosal in ophthalmic solutions by radial compression separation HPLC. Lam SW, et al. **J Parenter Sci Technol** 1981 Sep–Oct;35(5):262–5

[The effect of the gas permeability of plastics on the stability of thiomersal. Part 49: Contributions to problems concerning the use of plastic receptacles for liquid pharmaceuticals (author's transl)] Pohloudek-Fabini R, et al. **Pharmazie** 1981 Oct;36(10):683–5 (Eng. Abstr.) (Ger)

IMMUNOLOGY

Delayed hypersensitivity to thimerosal in contact lens solutions. Zeigen SR, et al. **J Med Soc NJ** 1981 May; 78(5):362–4

PHARMACODYNAMICS

Aerobic responses of the cornea to ophthalmic preservatives, measured in vivo. Burton GD, et al. **Invest Ophthalmol Vis Sci** 1981 Dec;21(6):842–5

Safety considerations in handling exoantigen extracts from pathogenic fungi. Standard PG, et al. **J Clin Microbiol** 1982 Apr;15(4):663–7

Light-induced genetic toxicity of thimerosal and benzalkonium chloride in commercial contact lens solutions. Lovely TJ, et al. **Mutat Res** 1982 Mar;101(1):11–8

[10 years' clinical experience with cialit-preserved supporting tissue in preprosthetic surgery] Schmelzle R, et al. **Dtsch Zahnarztl Z** 1982 Feb;37(2):136–8 (Eng. Abstr.) **(Ger)**

POISONING

Morphology and histochemistry of the thalamus in the course of intoxication by ethyl-mercury-p-toluenesulphanilide (EMTS). Wigowska-Sowińska J. **Acta Histochem (Jena)** 1981;69(2):187–205

Early chronic low-level methylmercury poisoning in monkeys impairs spatial vision. Rice DC, et al. **Science** 1982 May 14;216(4547):759–61

[Morphology and histochemistry of neuroglia in acute ceresan poisoning] Szczech J. **Neuropatol Pol** 1981 Jan-Mar;19(1):125–36 (Eng. Abstr.) **(Pol)**

TOXICITY

Cytotoxicity of mercurial preservatives in cell culture. Takahashi N. **Ophthalmic Res** 1982 Jan–Feb;14(1):63–9

[Hygienic evaluation of diethyl mercury as an atmospheric pollutant] Bushtueva KA, et al. **Gig Sanit** 1982 May; (5):8–11 (Eng. Abstr.) **(Rus)**

[Action of granosan on animals under alpine conditions and in pressure-chamber hypoxia] Iusupov AM. **Gig Sanit** 1981 Jun;(6):17–20 (Eng. Abstr.) **(Rus)**

ETHYLMESYLATE see **ETHYL METHANESULFONATE**

ETHYLMETHANE SULFONATE see **ETHYL METHANESULFONATE**

ETHYLMETHYLGLUTARIMIDE see **BEMEGRIDE**

ETHYLMORPHINE see under **MORPHINE DERIVATIVES**

ETHYLMORPHINE-N-DEMETHYLASE see under **OXIDOREDUCTASES, N-DEMETHYLATING**

ETHYLNITROSOUREA see under **NITROSOUREA COMPOUNDS**

ETHYLPHENYLEPHRINE see under **PHENYLEPHRINE**

ETHYLPHENYLEPOXYGERANYL ETHER see under **TERPENES**

ETHYNODIOL DIACETATE

ADMINISTRATION & DOSAGE

[Blood serum iron concentration in women using contraceptive agent Angravid-Polfa] Mierzwiński R, et al. **Ginekol Pol** 1981 Aug;52(8):747–50 **(Pol)**

ADVERSE EFFECTS

[Oral contraceptives and liver tumors] Herczeg B, et al. **Orv Hetil** 1981 Aug 2;122(31):1879–83 **(Hun)**

[Organic changes as affected by oral steroid contraception in female inbred Buffalo rats] Markuszewski C. **Patol Pol** 1981 Oct–Dec;32(4):487–503 (Eng. Abstr.) **(Pol)**

ANALOGS & DERIVATIVES

Hormonal treatment of impetigo herpetiformis [letter] Gligora M, et al. **Br J Dermatol** 1982 Aug;107(2):253

ANALYSIS

Quantitative analysis of ethynodiol diacetate and ethinyl estradiol/mestranol in oral contraceptive tablets by high-performance liquid chromatography. Carignan G, et al. **J Pharm Sci** 1982 Feb;71(2):264–6

PHARMACODYNAMICS

Liver regeneration after partial hepatectomy in oral contraceptive-treated female rats. Mukundan MA, et al. **Biochem Med** 1981 Oct;26(2):222–30

Reversible inhibition of spermatogenesis by a long-acting dimeric ethynodiol-testosterone ester. Kuhl H, et al. **Contraception** 1981 Jul;24(1):61–75

Half-life and metabolism of 3H-folic acid in oral contraceptive treated rats. Lakshmaiah N, et al. **Horm Metab Res** 1981 Jul;13(7):404–7

ETHYNYL ESTRADIOL see **ETHINYL ESTRADIOL**

ETIDOCAINE see under **ACETANILIDES**

ETIDRONIC ACID see **SODIUM ETIDRONATE**

ETIMIZOL see under **IMIDAZOLES**

ETIOCHOLANOLONE

METABOLISM

The uptake of etiocholanolone by human bone marrow immature granulocytes. Minguell JJ, et al. **Am J Hematol** 1982 Apr;12(2):149–56

PHARMACODYNAMICS

Effects of etiocholanolone and prednisolone on intravascular granulocyte kinetics in horses. Carakostas MC, et al. **Am J Vet Res** 1981 Apr;42(4):626–8

URINE

Some aspects of the circadian rhythm of the urinary excretion of etiocholanolone, androsterone and dehydroepiandrosterone. van Voorst tot Voorst EJ. **J Clin Chem Clin Biochem** 1982 Jan;20(1):25–8

[Evaluation of the interrelation of testosterone and its metabolites to traits in the biological development of the male] Sedova RG, et al. **Biol Nauki** 1981;(7):63–7 **(Rus)**

ETIOPORPHYRINS see under **PORPHYRINS**

ETOMIDATE see under **IMIDAZOLES**

ETONITAZENE see under **BENZIMIDAZOLES**

ETOPOSIDE see under **PODOPHYLLOTOXIN**

ETORPHINE see under **MORPHINANS**

ETOXADROL see under **PIPERIDINES**

EUBACTERIUM

ENZYMOLOGY

Characterization of NADP-dependent 7 beta-hydroxysteroid dehydrogenases from Peptostreptococcus productus and Eubacterium aerofaciens. Hirano S, et al. **Appl Environ Microbiol** 1982 May;43(5):1057-63

Cofactor requiremets for 7 alpha-dehydroxylation of cholic and chenodeoxycholic acid in cell extracts of the intestinal anaerobic bacterium, Eubacterium species V.P.I. 13708. White BA, et al. **J Lipid Res** 1981 Aug;22(6):891-8

7 beta-Dehydroxylation of ursodeoxycholic acid by whole cells and cell extracts of the intestinal anaerobic bacterium, Eubacterium species V.P.I. 12708. White BA, et al. **J Lipid Res** 1982 Jan;23(1):145-53

IMMUNOLOGY

Structural studies of the antigenic polysaccharide of Eubacterium saburreum, strain S29. Kondo W, et al. **Carbohydr Res** 1981 Nov 16;97(2):279-83

Factors determining the occurrence of serum agglutinins to eubacterium and peptostreptococcus species in patients with Crohn's disease and ulcerative colitis. van de Merwe JP, et al. **Digestion** 1982;23(2):104-9

ISOLATION & PURIFICATION

Pleuropulmonary infection associated with Eubacterium brachy, a new species of Eubacterium. Rochford JC. **J Clin Microbiol** 1980 Nov;12(5):722-3

Comparative evaluation of supplemented peptone broth with sodium polyanetholesulfonate and trypticase soy broth with sodium amylosulfate for detection of septicemia. Tenney JH, et al. **J Clin Microbiol** 1982 Jul;16(1):107-10

METABOLISM

Transformation of bile acids by Eubacterium lentum. Hirano S, et al. **Appl Environ Microbiol** 1981 Nov;42(5):912-5

Biosynthesis of vitamin B12 in anaerobic bacteria. Mode of incorporation of glycine into the 5,6-dimethylbenzimidazole moiety in Eubacterium limosum. Lamm L, et al. **Eur J Biochem** 1982 Mar 1; 122(3):569-71

Carbon monoxide metabolism of the methylotrophic acidogen Butyribacterium methylotrophicum. Lynd L, et al. **J Bacteriol** 1982 Jan;149(1):255-63

Nutritional and metabolic features of Eubacterium suis. Wegienek J, et al. **J Clin Microbiol** 1982 May;15(5):895-901

Biotransformation of 16 alpha-hydroxyprogesterone by Eubacterium sp. 144: non-enzymatic addition of L-cysteine to delta 16-progesterone. Glass TL, et al. **J Lipid Res** 1982 Feb;23(2):352-6

EUCALYPTUS

Molluscicidal effects of eucalyptus [letter] Broberg G. **Vet Rec** 1982 May 29;110(22):526

EUGENICS

see related
GENETIC COUNSELING

Past perfect: John Humphrey Noyes, stirpiculture, and the Oneida community - part II. Karp LE. **Am J Med Genet** 1982 Jun;12(2):127-30

Obeying the laws of hereditary descent: phrenological views on inheritance and eugenics. Hilts VL. **J Hist Behav Sci** 1982 Jan;18(1):62-77

Eugenics before World War II: The case of Norway. Roll-Hansen N. **Pubbl Stn Zool Napoli [II]** 1980; 2(2):269-98

[From eugenics to racism] Bevilacqua C. **Minerva Med** 1981 Sep 26;72(36):2453-4 **(Ita)**

EUGENOL

ANALOGS & DERIVATIVES

[The pharmacological studies on methyl-eugenol (author's transl)] Jiang Y, et al. **Yao Hsueh Hsueh Pao** 1982 Feb; 17(2):87-92 (Eng. Abstr.) **(Chi)**

PHARMACODYNAMICS

Pulpal reaction to IRM cement: an intermediate restorative material containing eugenol. Brännström M, et al. **ASDC J Dent Child** 1981 Jul-Aug;48(4):259-63

Potentiation of genotoxicity by concurrent application of compounds found in betel quid: arecoline, eugenol, quercetin, chlorogenic acid and Mn2+. Stich HF, et al. **Mutat Res** 1981 Dec;90(4):355-63

THERAPEUTIC USE

Prevention and treatment of post-extraction complications. A comparison of the effect of Alvogyl and a new drug combination on wound healing. Syrjänen SM, et al. **Proc Finn Dent Soc** 1981;77(6):305-11

TOXICITY

Mutagenicity of trans-anethole, estragole, eugenol, and safrole in the Ames Salmonella typhimurium assay. To LP, et al. **Bull Environ Contam Toxicol** 1982 Jun;28(6):647-54

EUGLENA

ANALYSIS

Purification of Euglena EF-1l: a cytoplasmic factor that also functions on procaryotic and organellar ribosomes. Beck CM, et al. **Arch Biochem Biophys** 1982 May;215(2):414-24

CYTOLOGY

Control of cell shape by calcium in the euglenophyceae. Murray JM. **J Cell Sci** 1981 Jun;49:99-117

GENETICS

A pseudogene cluster in the leader region of the Euglena chloroplast 16S-23S rRNA genes. Miyata T, et al. **Nucleic Acids Res** 1982 Mar 11;10(5):1771-80

METABOLISM

[Photorespiration and glycolate metabolism in algae and euglenoid (author's transl)] Yokota A, et al. **Tanpakushitsu Kakusan Koso** 1982 Feb;27(3):475-90 (141 ref.) **(Jpn)**

EUGLENA GRACILIS

ANALYSIS

Compositional heterogeneity of the chloroplast DNAs from Euglena gracilis and Spinacia oleracea. Schmitt JM, et al. **Eur J Biochem** 1981 Jul;117(2):375-82

Parts of the sequence between the complete rRNA operons are repeated on either side of the extra 16 S rRNA gene in chloroplast DNA of Euglena gracilis strain Z. Koller B, et al. **FEBS Lett** 1982 Apr 19;140(2):198-202

Euglena gracilis chloroplast small subunit rRNA. Sequence and base pairing potential of the 3' terminus, cleavage by colicin E3. Steege DA, et al. **J Biol Chem** 1982 Sep 10; 257(17):10430-9

The 5S ribosomal RNA of Euglena gracilis cytoplasmic ribosomes is closely homologous to the 5S RNA of the trypanosomatid protozoa. Delihas N, et al. **Nucleic Acids Res** 1981 Dec 11;9(23):6627-33

DRUG EFFECTS

Effects of erythromycin on Euglena gracilis as a model for testing the toxicity of antibacterial drugs. Fasulo MP, et al. **Arzneimittelforsch** 1981;31(11):1869-72

[Action of actinomycin D on Euglena gracilis ultrastructure] Volodin AV, et al. **Tsitologiia** 1982 Feb;24(2):155-60 (Eng. Abstr.) **(Rus)**

[Effect of indoleacetic and gibberelic acids on paramylon synthesis in Euglena gracilis] Fernández-Valiente E, et al. **Microbiol Esp** 1979-1980;32-33:11-20 (Eng. Abstr.) **(Spa)**

[Control of RNA and protein synthesis by plant hormones in Euglena gracilis] Fernández-Valiente E, et al. **Microbiol Esp** 1979-1980;32-33:1-9 (Eng. Abstr.) **(Spa)**

ENZYMOLOGY

Delta-Aminolevulinic acid synthase of Euglena gracilis: physical and kinetic properties. Dzelzkalns V, et al. **Arch Biochem Biophys** 1982 Jun;216(1):196-203

Kinetic studies of the fatty acid synthetase multienzyme complex from Euglena gracilis variety bacillaris. Walker TA, et al. **Biochem J** 1981 Nov 1;199(2):383-92

Purification of porphobilinogen deaminase from Euglena gracilis and studies of its kinetics. Williams DC, et al. **Biochem J** 1981 Jan 1;193(1):301-10

Chloroplast leucyl-tRNA synthetase from Euglena gracilis. Purification, kinetic analysis, and structural characterization. Imbault P, et al. **Biochemistry** 1981 Sep 29;20(20):5855-9

Chloroplastic and cytoplasmic valyl- and leucyl-tRNA synthetases from Euglena gracilis. Comparative study of their structural properties. Colas B, et al. **Biochim Biophys Acta** 1982 Apr 26;697(1):71-7

Induction of fumarase in resting Euglena. Horrum MA, et al. **Biochim Biophys Acta** 1982 Feb 25;714(3):407-14

Adenine and adenosine metabolizing enzymes in cell-free extracts from Euglena gracilis. Guranowski A, et al. **Comp Biochem Physiol [B]** 1982;71(3):483-8

Immunological evidence for structural differences between Euglena Gracilis chloroplastic valyl- and leucyl-tRNA synthetases and their cytoplasmic counterparts. Colas B, et al. **FEBS Lett** 1982 May 17;141(2):213-6

The gene for the large subunit of ribulose-1,5-bisphosphate carboxylase in Euglena gracilis chloroplast DNA: location, polarity, cloning, and evidence for an intervening sequence. Stiegler GL, et al. **Nucleic Acids Res** 1982 Jun 11; 10(11):3427-44

GENETICS

Chloroplast elongation factor Tu: evidence that it is the product of a chloroplast gene in Euglena. Spremulli LL. **Arch Biochem Biophys** 1982 Apr 1;214(2):734-41

Recovery from inhibition of transcription in gamma-irradiated Euglena cells. Tsushimoto G, et al. **Biochim Biophys Acta** 1982 Apr 26;697(1):14-9

Electron microscopic analysis of the extra 16 SrRNA gene and its neighbourhood in chloroplast DNA from Euglena gracilis strain Z. Koller B, et al. **FEBS Lett** 1982 Mar 8; 139(1):86-92

Characterization of the nuclear ribosomal DNA of Euglena gracilis. Curtis SE, et al. **Gene** 1981 Nov;15(2-3):237-47

Euglena gracilis chloroplast transfer RNA transcription units. I. Physical map of the transfer RNA gene loci. Orozco EM Jr, et al. **J Biol Chem** 1982 Mar 25;257(6):3258-64

Euglena gracilis chloroplast transfer RNA transcription units. II. Nucleotide sequence analysis of a tRNAVal-tRNAAsn-tRNAArg-tRNALeu gene cluster. Orozco EM Jr, et al. **J Biol Chem** 1982 Mar 25; 257(6):3265-75

The nucleotide sequence of Euglena cytoplasmic phenylalanine transfer RNA. Evidence for possible classifications of Euglena among the animal rather than the plant kingdom. Chang SH, et al. **Nucleic Acids Res** 1981 Jul 10;9(13):3199-204

GROWTH & DEVELOPMENT

Comparative role of polyamines in division and plastid differentiation of Euglena gracilis. Schuber F, et al. **Biochim Biophys Acta** 1981 Jul;675(2):178-87

Flow fluorometric study of DNA content in nonproliferative Euglena gracilis cells and during proliferation. Bonaly J, et al. **Cytometry** 1981 Jul;2(1):35-8

[Action of the unsaponifiable components of the most common edible oils on the growth of the alga Euglena gracilis. Preliminary studies] Cotugno M, et al. **Boll Soc Ital Biol Sper** 1981 May 15;57(9):970-3 (Eng. Abstr.) **(Ita)**

METABOLISM

Mechanism of metabolic regulation in photoassimilation of propionate in Euglena gracilis z. Yokota A, et al. **Arch Biochem Biophys** 1982 Feb;213(2):530-7

PHYSIOLOGY

Chloroplast biogenesis: detection of a magnesium protoporphyrin diester pool in plants. McCarthy SA, et al. **Biochemistry** 1981 Aug 18;20(17):5080-7

Synthesis and mobilization of flagellar glycoproteins during regeneration in Euglena. Geetha-Habib M, et al. **J Cell Biol** 1982 May;93(2):432-41

Zinc and gene expression. Vallee BL, et al. **Philos Trans R Soc Lond [Biol]** 1981 Aug 14; 294(1071):185-97

[Nonhistone chromatin proteins of single- and multicell eukaryote representatives in different functional states] Levitina TP, et al. **Dokl Akad Nauk SSSR** 1982; 264(4):1004-6 **(Rus)**

RADIATION EFFECTS

[Different phenotypes of non-photosynthetic (photo-) phenotypes in Euglena gracilis: frequency of production by ultraviolet irradiation] Nicolas P, et al. **C R Seances Acad Sci [III]** 1982 Jan 18;294(3):145-8 (Eng. Abstr.) **(Fre)**

ULTRASTRUCTURE

Temperature-induced changes in nuclear pore complex frequencies, nuclear envelope surface areas, and nuclear volumes in light-synchronized Euglena. Greenwood JS, et al. **Can J Biochem** 1981 Oct;59(10):802-9

Electron microscopic visualization of nucleosomal organization in B12 starved and control Euglena chromatin. Delpech S, et al. **Cell Biol Int Rep** 1982 Feb;6(2):197-203

The Euglena paraflagellar rod: structure, relationship to other flagellar components and preliminary biochemical characterization. Hyams JS. **J Cell Sci** 1982 Jun;55:199-210

Flagellar membrane specializations and their relationship to mastigonemes and microtubules in Euglena gracilis. Melkonian M, et al. **J Cell Sci** 1982 Jun;55:115-35

EUGLOBULINS see **SERUM GLOBULINS**

EUKARYOTIC CELLS see under **CELLS**

EULER-GADDUM SUBSTANCE P see **SUBSTANCE P**

EUOTICUS see **GALAGO**

EUPHORIA

Analgesic and euphoric effects of high dose diazepam in schizophrenia. Haas S, et al. **Neuropsychobiology** 1982; 8(3):123-8

DRUG EFFECTS

Intranasal cocaine: dose relationships of psychological effects and plasma levels. Van Dyke C, et al.

Int J Psychiatry Med 1982;12(1):1-13

EUROPEAN COMMON FROG see **RANA TEMPORARIA**

EUROPEAN COMMON MARKET see **EUROPEAN ECONOMIC COMMUNITY**

EUROPEAN ECONOMIC COMMUNITY

see related

ECONOMICS

The EEC policy in the hazard assessment of new chemicals. Smeets J. **Arch Toxicol [Suppl]** 1982;5:33-9

Diagnosis and communicative ability in deaf children in the European Community. Martin JA. **Audiology** 1982; 21(3):185-96

Dentistry within the European Economic Community. **Br Dent J** 1981 Dec 15;151(12):401-2

Dental specialisation and the Common Market. O'Neil R. **Br Dent J** 1981 Dec 15;151(12):427-8

Disparities in European medicine [editorial] **Lancet** 1982 Jul 3;2(8288):26-7

Food standards of the EC: scientific aspects. Elton GA. **R Soc Health J** 1981 Dec;101(6):219-22

New profession by fiat: Italian dentistry and the European Common Market. Orzack LH. **Soc Sci Med [a]** 1981 Dec; 15A(6):807-16

[The Common Market and public health] Gounelle de Pontanel H, et al. **Bull Acad Natl Med (Paris)** 1981 Jun; 165(6):793-6 **(Fre)**

[Comparative study of different measurement methods and gravimetric evaluation of dust in the coal mines in the countries of the European Community] Cartigny S. **Rev Inst Hyg Mines (Hasselt)** 1981;36(2):83-123 (Eng. Abstr.) **(Fre)**

[Primary health care in the West Germany and the European Community. Report on the results of an international workshop of the EC Commission Brussels] Labisch A. **Off Gesundheitswes** 1981 Oct;43(10):500-6 **(Ger)**

[The contribution of ergonomics to the rehabilitation of workers with reduced work capacity. Evident problems and research prospects in the European Economic Community] Grieco A, et al. **Med Lav** 1981 Nov-Dec; 72(6):451-8 (93 ref.) **(Ita)**

EUROPIUM

[The characteristics and clinical application of high speed intensifying screen made from barium fluorochloride europium (author's transl)] Yang YC. **Chung Hua Fang She Hsueh Tsa Chih** 1982 Feb;16(1):55-8 **(Chi)**

[Chemiluminescence of liposomes activated with rare earth ions] Sharov VS, et al. **Biofizika** 1982 Mar-Apr;27(2):327-9 (Eng. Abstr.) **(Rus)**

METABOLISM

Metal-binding properties of calmodulin. Wang CL, et al. **Eur J Biochem** 1982 May;124(1):7-12

PHARMACODYNAMICS

Effect of Eu3+ on the lipid biosynthesis in rat liver. Santos MC, et al. **Biochimie** 1982 Apr;64(4):305-8

EUSTACHIAN TUBE

Experimental tubal obstruction. Changes in middle ear mucosa elucidated by quantitative histology. Tos M. **Acta Otolaryngol (Stockh)** 1981 Jul-Aug;92(1-2):51-61

Chronic suppurative infection of the left guttural pouch and eustachian tube in a horse. Nyack B, et al. **VM SAC** 1981 Dec;76(12):1769-72

[Therapy of functional disorders of the eustachian tubes with drainage tubes] Mees K. **MMW** 1982 Mar 19; 124(11):257-60 (Eng. Abstr.) **(Ger)**

[Possibility of performing hyperbaric oxygenation in disordered function of the eustachian tube] Gol'dman II, et al. **Vestn Otorinolaringol** 1982 May-Jun;(3):70-1 **(Rus)**

ANATOMY & HISTOLOGY

Deviation with increasing age in histologic appearance of submucosal glands in human eustachian tubes. Tomoda K, et al. **Acta Otolaryngol (Stockh)** 1981 Nov-Dec; 92(5-6):463-7

Comparative anatomy of eustachian tube and middle ear cavity in animal models for otitis media. Daniel HJ 3d, et al. **Ann Otol Rhinol Laryngol** 1982 Jan-Feb;91(1 Pt 1):82-9

Bony auditory tube and otitis media with effusion. Duncan RB. **Ann Otol Rhinol Laryngol** 1982 Mar-Apr;91(2 Pt 1):200-3

The nasopharyngeal orifice of the auditory tube: implications for tubal dynamics anatomy. Rood SR, et al. **Cleft Palate J** 1982 Apr;19(2):119-28

INNERVATION

Neural connections between the middle ear, eustachian tube and brain. Implications for the reflex control of middle ear aeration. Eden AR. **Ann Otol Rhinol Laryngol** 1981 Nov-Dec;90(6 Pt 1):566-9

PATHOLOGY

An extreme morphologic variation of the auditory tube cartilage: a case report. Rood SR, et al. **Cleft Palate J** 1981 Oct;18(4):293-8

PHYSIOLOGY

Eustachian tube function in normal children and adults. Bylander A, et al. **Acta Otolaryngol (Stockh)** 1981 Nov-Dec;92(5-6):481-91

Reliability in tests of the eustachian tube function. Groth P, et al. **Acta Otolaryngol (Stockh)** 1982 Mar-Apr; 93(3-4):261-7

Studies on the tubal function by anterior rhinomanometric technique. Some clinical applications. Crifó S, et al. **Acta Otorhinolaryngol Belg** 1981;35(1):92-104

Current clinical methods, indications and interpretation of eustachian tube function tests. Bluestone CD, et al. **Ann Otol Rhinol Laryngol** 1981 Nov-Dec;90(6 Pt 1):552-62

Comparison of normal eustachian tube function in the rhesus monkey and man. Cantekin EI, et al. **Ann Otol Rhinol Laryngol** 1982 Mar-Apr;91(2 Pt 1):179-84

Testing eustachian tube function. Sheehy JL. **Ann Otol Rhinol Laryngol** 1981 Nov-Dec;90(6 Pt 1):562-5

Comparison of Eustachian tube function measured by the microflow method and a new quantitative impedance method. Groth P, et al. **Aviat Space Environ Med** 1981 Sep;52(9):540-4

Effect of flight on the Eustachian tube function and the tympanic membrane system--a follow-up study. Groth P, et al. **Aviat Space Environ Med** 1982 Apr;53(4):360-4

Eustachian tube function in the older adult. Chermak GD, et al. **Ear Hear** 1981 Jul-Aug;2(4):143-7

Classification of spectral patterns obtained from eustachian tube sonometry. Murti KG, et al. **IEEE Trans Biomed Eng** 1982 Jun;29(6):472-7

Toynbee revisited: eustachian tubal sonograph. Wilson HL. **Otolaryngol Head Neck Surg** 1982 Mar-Apr;90(2):241-50

[Eustachian tube kinesitherapy: clinical experience] CAzanave M. **J Fr Otorhinolaryngol** 1981 Sep;30(7):441-2 **(Fre)**

[Experimental study of the pumping function of the eustachian tube (author's transl)] Okazaki N, et al. **Nippon Jibiinkoka Gakkai Kaiho** 1981 Apr;84(4):368-73 (Eng. Abstr.) **(Jpn)**

[Study of the function of the drainage of the eustachian tube using sequential scintigraphy] Vallés Varela H, et al. **An Otorrinolaringol Ibero Am** 1981;8(5):399-415 (Eng. Abstr.) **(Spa)**

PHYSIOPATHOLOGY

The patulous Eustachian tube and chronic middle ear disease. Virtanen H, et al. **Acta Otolaryngol (Stockh)** 1982 Jan-Feb; 93(1-2):49-53

Results of allergy treatment on the Eustachian tube in chronic serous otitis media. Hall LJ, et al. **Am J Otol** 1981 Oct; 3(2):116-21

Tubal opening and closing ability in unilateral middle ear disease. Magnuson B. **Am J Otolaryngol** 1981 Aug; 2(3):199-209

Treatment of persistent eustachian tube dysfunction in children with aerosolized nasal dexamethasone phosphate versus placebo. Shapiro GG, et al. **Ann Allergy** 1982 Aug; 49(2):81-5

Eustachian tube function. Children with otitis media. Cooper JC Jr, et al. **Arch Otolaryngol** 1982 Sep;108(9):567-8

Eustachian tube dysfunction in submariners and divers. McNicoll WD. **Arch Otolaryngol** 1982 May;108(5):279-83

Epidemiology and middle ear effusion and tubal dysfunction. A one-year prospective study comprising monthly tympanometry in 387 non-selected 7-year-old children. Lous J, et al. **Int J Pediatr Otorhinolaryngol** 1981 Dec; 3(4):303-17

Middle-ear analysis in the nose/ear distress syndrome. McNicoll WD. **J Laryngol Otol** 1982 Apr;96(4):309-23

Uncomplicated eustachian tube dysfunction: the site of the nasal septal deformity. McNicoll WD. **J R Nav Med Serv** 1982 Spring;68(1):23-9

Autophony and the patulous eustachian tube. O'Connor AF, et al. **Laryngoscope** 1981 Sep;91(9 Pt 1):1427-35

Electronic probe for eustachian tube patency and objective tinnitus. Epley JM. **Otolaryngol Head Neck Surg** 1981 Sep-Oct;89(5):854-5

Recent advances in the pathogenesis, diagnosis, and management of otitis media. Bluestone CD. **Pediatr Clin North Am** 1981 Nov;28(4):727-55

Remediable eustachian tube dysfunction in diving recruits: assessment, investigation, and management. McNicoll WD. **Undersea Biomed Res** 1982 Mar;9(1):37-43

[Tubo-tympano-aerodynamography--function of tthe Eustachian tube from he viewpoint of our personal studies] Kumazawa T. **Laryngol Rhinol Otol (Stuttg)** 1982 Mar; 61(3):146-9 (Eng. Abstr.) **(Ger)**

[Sequential tubo-tympanic scintigraphy and tubal manometry: comparative study] Vallés Varela H, et al. **An Otorrinolaringol Ibero Am** 1981;8(6):451-65 (Eng. Abstr.) **(Spa)**

EUTAMIAS see **SCIURIDAE**

EUTELEGENESIS see **INSEMINATION, ARTIFICIAL**

EUTHANASIA

Letting defective babies die: who decides? Ellis TS 3d. **Am J Law Med** 1982 Winter;7(4):393-423

The do-not-resuscitate order in a teaching hospital: considerations and a suggested policy. Miles SH, et al. **Ann Intern Med** 1982 May;96(5):660-4

Variability in physician bioethical decision-making. A case study of euthanasia. Pearlman RA, et al. **Ann Intern Med** 1982 Sep;97(3):420-5

Termination of life support in vegetative states: New York court sets guidelines for private decisions. Beresford HR. **Ann Neurol** 1982 Jan;11(1):103-4

Death without concealment [editorial] **Br Med J [Clin Res]** 1981 Dec 19;283(6307):1629-30

Correspondence [letter] **Br Med J [Clin Res]** 1982 Mar 20; 284(6319):898-900

'No resuscitation' orders — an emerging consensus. Evans KG. **Can Med Assoc J** 1981 Oct 15;125(8):892, 895-6

One hospital's experience with a 'Do not resuscitate' policy. McPhail A, et al. **Can Med Assoc J** 1981 Oct 15; 125(8):830-6

Guidelines for discontinuance of life-support systems. Los Angeles County Medical Association, Los Angeles County Bar Association. **Conn Med** 1981 Nov;45(11):723-4

Legislative inertia on nontreatment legislation. A function of oppositional interest group hegemony. Bertonazzi LP. **Conn Med** 1981 Oct;45(10):659-61

The brief life and death of Christopher Bridge. Bridge P, et al. **Hastings Cent Rep** 1981 Dec;11(6):17-9

Dilemma in Danville. Robertson JA. **Hastings Cent Rep** 1981 Oct;11(5):5-8

Severely handicapped infants [editorial] **J Med Ethics** 1981 Sep;7(3):115-6

Ethical problems in the management of some severely handicapped children. Harris J. **J Med Ethics** 1981 Sep; 7(3):117-24

Reply to Lorber, Cusine and Anscombe. Harris J. **J Med Ethics** 1982 Mar;8(1):40-1

Debate: euthanasia--a physician's viewpoint. Twycross RG. **J Med Ethics** 1982 Jun;8(2):86-95

Euthanasia. Clinical issues behind the request. Weddington WW Jr. **JAMA** 1981 Oct 23-30;246(17):1949-50

After the trial at Leicester [editorial] **Lancet** 1981 Nov 14; 2(8255):1085-6

Acquittal of paediatrician charged after death of infant with Down syndrome. Brahams D. **Lancet** 1981 Nov 14; 2(8255):1101-2

How shall I slay thee? let me count the ways. Eriewein DL. **Mod Vet Pract** 1981 Oct;62(10):747-8

Rights of the dying incompetent patient [letter] Annas GJ. **N Engl J Med** 1981 Nov 12;305(20):1222-3

Nuclear aftermath. Euthanasia plan [news] Rich V. **Nature** 1982 Aug 5;298(5874):508

Decisions on death and dying [letter] **Pediatrics** 1981 Dec; 68(6):907-11

Patient autonomy and the decision to resuscitate 'without undue haste'. Benjamin M. **Prog Clin Biol Res** 1981; 76:123-9

The decision to resuscitate - slowly. Dantzker DR. **Prog Clin Biol Res** 1981;76:131-40

Secobarbital/dibucaine combination as a euthanasia agent for dogs and cats. Herschler RC, et al. **VM SAC** 1981 Jul; 76(7):1009-12

[The attitude of the physician facing a request for euthanasia] Leenen HJ, et al. **Ned Tijdschr Geneeskd** 1982 Mar 27; 126(13):553-6 **(Dut)**

[Is euthanasia acceptable? (author's transl)] Portmann G. **Rev Laryngol Otol Rhinol (Bord)** 1982;103(1):5-7 (Eng. Abstr.) **(Fre)**

['Withholding succour' and the 'obligation to give medical assistance' with special reference to the time of death (author's transl)] Kleiber M. **Anasth Intensivther Notfallmed** 1981 Dec;16(6):350-2 (Eng. Abstr.) **(Ger)**

[Euthanasia between mercy death and allowing to die] Piechowiak H. **Wien Med Wochenschr** 1981 Oct 15; 131(19):465-9 **(Ger)**

[Legal medicine problems in the terminal care of the aged] Trube-Becker E. **Z Gerontol** 1981 Jul-Aug;14(4):284-95 (Eng. Abstr.) **(Ger)**

[Passive euthanasia in periodic hemodialysis: opinions of a patient care team] Liaño F, et al. **Rev Clin Esp** 1981 Apr 30;161(2):91-4 (Eng. Abstr.) **(Spa)**

PSYCHOLOGY

Stopping life-sustaining medical treatment: psychiatric considerations in the termination of renal dialysis. Rodin GM, et al. **Can J Psychiatry** 1981 Dec;26(8):540-4

Discontinuing treatment for the terminally ill: ethical considerations. Wolman MG. **Conn Med** 1981 Nov; 45(11):731-2

Termination of life support systems in the elderly: Legal issues: the cases of Brother Fox and Earle Spring. Annas GJ. **J Geriatr Psychiatry** 1981;14(1):31-43

Termination of life support systems in the elderly. Discussion: To die before the gods please: legal issues surrounding euthanasia and the elderly. Baron CH. **J Geriatr Psychiatry** 1981;14(1):45-70

Termination of life support systems in the elderly. Clinical

issues. Cassem NH. **J Geriatr Psychiatry** 1981;14(1):13-21
Termination of life support systems in the elderly. Discussion: The registered nurse's role. Fulmer TT.
J Geriatr Psychiatry 1981;14(1):23-30
Termination of life support systems in the elderly. Introduction: 'To be or not to be': decision-making dilemmas in modern medicine. Lipsitt DR.
J Geriatr Psychiatry 1981;14(1):7-12
Termination of life support systems in the elderly. General discussion: 'Company in battle'. Merowitz M.
J Geriatr Psychiatry 1981;14(1):87-9
Termination of life support systems in the elderly. Ethical issues. Rock Levinson AJ. **J Geriatr Psychiatry** 1981; 14(1):71-85
Extraordinary means and the intentional termination of life. Kuhse H. **Soc Sci Med [F]** 1981 Sep;15(2-3):117-21

VETERINARY

Euthanasia in the dog and cat. Stead AC.
J Small Anim Pract 1982 Jan;23(1):37-43
[Use of CO2 euthanasia cabinet for experimental animals (author's transl)] Kurosawa T, et al. **Jikken Dobutsu** 1981 Jul;30(3):317-21 (Eng. Abstr.) **(Jpn)**

EUTHANASIA, PASSIVE see under **EUTHANASIA**

EUTROPHICATION

[Biotic indexes as parameters for evaluating the quality of water] de Ferreiros IV. **Rev Latinoam Microbiol** 1980 Oct-Dec;22(4):189-204 (Eng. Abstr.) **(Spa)**

EVALUATION STUDIES

Dilemmas in evaluating health care and clinical programs. McGhan WF. **Drug Intell Clin Pharm** 1981 Sep;15(9):684-7
Regional health information and evaluation systems: some concepts and thoughts. Gillings DB, et al.
Isr J Med Sci 1982 Mar;18(3):393-409
Aims and implementation of multicentre studies. Sartorius N, et al. **Mod Probl Pharmacopsychiatry** 1981;16:1-8
Guidelines for evaluating cancer control programs. Kosecoff J, et al. **Prev Med** 1982 Mar;11(2):187-98

METHODS

Increasing efficiency in evaluation research: the use of sequential analysis. Howe HL. **Am J Public Health** 1982 Jul;72(7):690-7

EVALUATION STUDIES, DRUG, FDA PHASE I see **DRUG EVALUATION**

EVALUATION STUDIES, DRUG, FDA PHASE II see **DRUG EVALUATION**

EVALUATION STUDIES, DRUG, PRE-CLINICAL see **DRUG SCREENING**

EVALUATION STUDIES, FDA PHASE III see **CLINICAL TRIALS**

EVALUATION STUDIES, FDA PHASE IV see **CLINICAL TRIALS**

EVANS BLUE see under **AZO COMPOUNDS**

EVOKED POTENTIALS

Evoked responses after head trauma. Harmony T, et al.
Act Nerv Super (Praha) 1981 Dec;23(4):303-10
Clinical applications of evoked potentials in neurology.
Adv Neurol 1982;32:1-577
Tissue culture studies of neuroelectric blocking factors. Seil FJ. **Adv Neurol** 1981;31:281-8
Evoked potentials. **Ann NY Acad Sci** 1982;388:1-738
Topographic display of evoked potentials: clinical applications of brain electrical activity mapping (BEAM). Duffy FH. **Ann NY Acad Sci** 1982;388:183-96
Event-related potentials in the evaluation of high-risk infants. Kurtzberg D. **Ann NY Acad Sci** 1982;388:557-71
Intraoperative monitoring of evoked potentials. Raudzens PA. **Ann NY Acad Sci** 1982;388:308-26
The neural origins of human event-related potentials. Vaughan HG Jr. **Ann NY Acad Sci** 1982;388:125-38
Application of dipole localization methods to source identification of human evoked potentials. Wood CC.
Ann NY Acad Sci 1982;388:139-55
Structural and functional properties of the evoked potentials in the human motor system. Tóth S, et al.
Appl Neurophysiol 1982;45(3):238-44
A posteriori time-varying filtering of averaged evoked potentials. II. Mathematical and computational aspects. de Weerd JP, et al. **Biol Cybern** 1981;41(3):223-34
A posteriori time-varying filtering of averaged evoked potentials. I. Introduction and conceptual basis. de Weerd JP. **Biol Cybern** 1981;41(3):211-22
A symposium on the psychological significance of the ERP. **Biol Psychol** 1981 Dec;13:1-298
Success and failure of evoked potentials in detecting clinical and subclinical lesions in multiple sclerosis patients. van Buggenhout E, et al. **Clin Neurol Neurosurg** 1982;84(1):3-14
Signal processing in evoked potential research: averaging and modeling. Aunon JI, et al. **CRC Crit Rev Bioeng** 1981; 5(4):323-67 (74 ref.)
Signal processing in evoked potential research: applications of filtering and pattern recognition. McGillem CD, et al. **CRC Crit Rev Bioeng** 1981;6(3):225-65 (62 ref.)
A new system for gray-level surface distribution maps of electrical activity. Buchsbaum MS, et al.
Electroencephalogr Clin. Neurophysiol 1982 Feb; 53(2):237-42
Interfacing a modern signal averager to a minicomputer. Sigfusson R, et al. **Electroencephalogr Clin Neurophysiol** 1981 Nov;52(5):501-3
The waveforms of the group mean SEP of each sex. Ikuta T, et al. **Folia Psychiatr Neurol Jpn** 1981;35(1):11-22
Differences in human group Mean SEP between sexes: with reference to statures. Ikuta T, et al.
Folia Psychiatr Neurol Jpn 1981;35(1):23-34
Evoked potentials in severe head injury--analysis and relation to outcome. Lindsay KW, et al.
J Neurol Neurosurg Psychiatry 1981 Sep;44(9):796-802
Evoked potentials in the diagnosis of multiple sclerosis: a follow up study. Matthews WB, et al.
J Neurol Neurosurg Psychiatry 1982 Apr;45(4):303-7
Evoked potentials in the clinical neurosciences. Greenberg RP, et al. **J Neurosurg** 1982 Jan;56(1):1-18
The dynamics of neuronal dysfunction and recovery following severe head injury assessed with serial multimodality evoked potentials. Newlon PG, et al.
J Neurosurg 1982 Aug;57(2):168-77
An adaptive and learning system for feedback-controlled evoked response studies. Wagner J, et al.
Methods Inf Med 1981 Jul;20(3):169-73
Neurometric assessment in temporal epilepsy. Fernández G, et al. **Monogr Neural Sci** 1981;5:56-62
Evoked potentials in clinical medicine (first of two parts). Chiappa KH, et al. **N Engl J Med** 1982 May 13; 306(19):1140-50 (156 ref.)
Time to buy a squid? [news] Stowell H. **Nature** 1981 Oct 22;293(5834):610
An A1-adenosine receptor, characterized by [3H] cyclohexyladenosine binding, mediates the depression of evoked potentials in a rat hippocampal slice preparation. Reddington M, et al. **Neurosci Lett** 1982 Mar 5;28(3):275-9
Young Psychophysiologist Award address, 1980. P300 latency: a new metric of information processing. Duncan-Johnson CC. **Psychophysiology** 1981 May; 18(3):207-15
The variation of p300 amplitude in a money-winning paradigm in children. Hömberg V, et al.
Psychophysiology 1981 May;18(3):258-62
[The effect of electroacupunture on evoked activity in the maxillary nerve at the level of the cerebral cortex] Bombin J, et al. **Actual Odontostomatol (Paris)** 1981;136:621-30 (Eng. Abstr.) **(Fre)**
[New approaches to detection and estimation of the shape of evoked potentials (author's transl)] Coatrieux JL, et al. **Rev Electroencephalogr Neurophysiol Clin** 1982 Apr; 12(1):96-100 (21 ref.) **(Fre)**
[Miniaturized multi-channel preamplifier for registration of evoked potentials in freely moving rabbits] Haubenreiser J, et al. **Acta Biol Med Ger** 1981;40(12):1777-9 **(Ger)**
[Correlative neuropsychology & neurobiology by evoked potentials in central nervous aging process (author's transl)] Böning J. **Aktule Gerontol** 1980 Dec;10(12):557-68 (Eng. Abstr.) **(Ger)**
[Objective determination of visual acuity using visual evoked cortical potentials] Groneberg A. et al. **Buch Augenarzt** 1982;90:97-9 (Eng. Abstr.) **(Ger)**
[Diagnostic value of cerebral evoked potentials in neurology (author's transl)] Vogel P. **Nervenarzt** 1981 Oct; 52(10):565-73 **(Ger)**
[Clinical application of the segmental spinal evoked potentials at the cervical spinal cord--an analysis about the patients with cervical osteochondrosis--(author's transl)] Shigematsu A. **Nippon Geka Hokan** 1982 Mar 1; 51(2):276-88 (Eng. Abstr.) **(Jpn)**
[Analysis of prolonged evoked potentials of the cerebral cortex] Labakhua TSh, et al. **Neirofiziologiia** 1982; 14(2):115-21 (Eng. Abstr.) **(Rus)**

DRUG EFFECTS

Effects of vitamin B6 on averaged evoked potentials in infantile autism. Martineau J, et al. **Biol Psychiatry** 1981 Jul;16(7):627-41
Apomorphine, haloperidol and the average evoked potentials in normal human volunteers. Rey AC, et al.
Commun Psychopharmacol 1980;4(4):327-34
Characteristics and origin of frontal paroxysmal responses induced by light stimulation in the Papio papio under allylglycine. Silva-Comte C, et al.
Electroencephalogr Clin Neurophysiol 1982 May; 53(5):479-90
The effects of apamin on responses evoked by field stimulation in guinea-pig taenia caeci. Maas AJ.
Eur J Pharmacol 1981 Jul 17;73(1):1-9
Cortical evoked potential changes during self-administration of morphine by rats. Beck SG, et al. **Exp Neurol** 1982 Jul; 77(1):12-25
Ontogenetic studies of the primary evoked responses and strychnine spike in motor-sensory cortex of kittens. Mann MD, et al. **Exp Neurol** 1982 Feb;75(2):368-88
The effects of deep barbiturate coma on multimodality evoked potentials. Sutton LN, et al. **J Neurosurg** 1982 Aug; 57(2):178-85

EVOKED POTENTIALS, AUDITORY

Evoked potentials in the reticular formation during auditory conditioning of the corneal reflex in the chronic decerebrate rat. Lovick TA, et al.
Acta Neurobiol Exp (Warsz) 1981;41(2):163-74
Pattern visual evoked potentials and brainstem auditory evoked responses in uremic patients. Rizzo PA, et al.
Acta Neurol Belg 1982 Mar-Apr;82(2):72-9
Contribution of changes in click rate and intensity on diagnosis of multiple sclerosis by brainstem auditory evoked potentials. Elidan J, et al. **Acta Neurol Scand** 1982 Jun;65(6):570-85
Genetic influences on binaural summation and recovery rate of the brainstem auditory evoked response. Henry KR.
Acta Otolaryngol (Stockh) 1982 Jan-Feb;93(1-2):1-7
Vestibular and cochlear responses to acoustic transients. Some properties of whole-nerve action potentials in pigeons. Wit HP, et al. **Acta Otolaryngol (Stockh)** 1981 Nov-Dec;92(5-6):409-22
Dependence between the P3-wave and the prestimulus EEG negative shift under conditions of probability prediction. Angelov A, et al. **Acta Physiol Pharmacol Bulg** 1981; 7(3):55-62
Changes in the P3-wave in a situation of verbal stimulus prediction. Angelov A, et al.
Acta Physiol Pharmacol Bulg 1981;7(3):47-54
Polarity histogram - a supplementary method for evoked potentials analysis. Drews I, et al.
Acta Physiol Pharmacol Bulg 1981;7(4):36-42
Diurnal variations in the cortical visual and auditory evoked potentials. Piperova-Dulbokova D, et al.
Acta Physiol Pharmacol Bulg 1980;6(4):37-46
Brainstem auditory evoked potentials in clinical neurology. Chiappa KH. **Adv Neurol** 1982;32:157-8
Results of a prospective study on the value of combined visual, somatosensory, brainstem auditory evoked potentials and blink reflex measurements for disclosing subclinical lesions in suspected multiple sclerosis. Deltenre P, et al. **Adv Neurol** 1982;32:473-9
The brainstem auditory evoked potential is a useful diagnostic tool in evaluating risk factors for hearing loss in neonatology. Despland PA, et al. **Adv Neurol** 1982;32:241-7
Detection of acoustic neuromas with brainstem auditory evoked potentials: comparison between cochlear and retrocochlear abnormalities. Feblot P, et al. **Adv Neurol** 1982;32:169-76
Contribution of brainstem auditory evoked potentials to diagnosis of tumors and vascular diseases. Fischer C, et al. **Adv Neurol** 1982;32:177-85
Multimodal evoked potentials in multiple sclerosis: basal and follow-up data. Gambi D, et al. **Adv Neurol** 1982;32:551-7
Brainstem auditory evoked potentials in multiple sclerosis: influence of body temperature increase. Geraud G, et al.
Adv Neurol 1982;32:501-5
The value of a multimodal evoked potential approach in the diagnosis of multiple sclerosis. Kjaer M. **Adv Neurol** 1982; 32:507-12
The value of sequential evoked potential recordings in multiple sclerosis patients. Kjaer M. **Adv Neurol** 1982; 32:567-69
Quantitative survey of uremic brain dysfunction by auditory evoked potentials. Knoll O, et al. **Adv Neurol** 1982; 32:227-32
Evoked potentials in the assessment of brain function in senile dementia. Laurian S, et al. **Adv Neurol** 1982;32:287-93
Exacerbation detection in multiple sclerosis by clinical and evoked potential techniques: a preliminary report. Likosky W, et al. **Adv Neurol** 1982;32:535-40
Multimodality evoked responses in leukodystrophies. Markand ON, et al. **Adv Neurol** 1982;32:409-16
Anosognosia with hemiplegia: auditory evoked potential studies. Mauguière F, et al. **Adv Neurol** 1982;32:271-8
Brainstem auditory evoked potentials in reclassification of 143 MS patients. Maurer K, et al. **Adv Neurol** 1982;32:481-6
Right hemianacousia without language deficit. Michel F, et al. **Adv Neurol** 1982;32:257-61
Brainstem evoked responses in prematures. Morgon A, et al. **Adv Neurol** 1982;32:249-56
Brainstem auditory evoked potentials: a comparative study of monaural versus binaural stimulation in the detection of multiple sclerosis. Prasher DK, et al. **Adv Neurol** 1982; 32:513-9
Brainstem auditory evoked potentials and vertebral-basilar reversible ischemic attacks. Ragazzoni A, et al.
Adv Neurol 1982;32:187-94
Ideomotor apraxia and P300: a preliminary study. Ragot R, et al. **Adv Neurol** 1982;32:263-9
Brainstem auditory evoked potentials in disorders of the primary sensory ganglion. Satya-Murti S, et al.
Adv Neurol 1982;32:219-25
Brainstem auditory evoked potentials in the neurologic clinic: improved stimulation and analysis methods. Scherg M, et al. **Adv Neurol** 1982;32:211-8
Correlation of brainstem evoked response with direct acoustic nerve potential. Spire JP, et al. **Adv Neurol** 1982; 32:159-67
Brainstem auditory evoked potential abnormalities in retarded adults. Squires N, et al. **Adv Neurol** 1982;32:233-40

Long-latency event-related potentials in normal aging and dementia. Syndulko K, et al. **Adv Neurol** 1982;32:279–85

Clinical applications of brainstem auditory evoked potentials in comatose patients. Uziel A, et al. **Adv Neurol** 1982; 32:195–202

Value of the simultaneous recording of brain stem auditory evoked potentials, blink reflex, and short-latency somatosensory evoked potentials for the assessment of brainstem function in clinical neurology. Van Nechel C, et al. **Adv Neurol** 1982;32:203–10

Reversible evoked potential changes with retraction of the eighth cranial nerve. Grundy BL, et al.
Anesth Analg (Cleve) 1981 Nov;60(11):835–8

Binaural voltage summation of brainstem auditory evoked potentials: an adjunct to the diagnostic criteria for multiple sclerosis. Prasher DK, et al. **Ann Neurol** 1982 Jan; 11(1):86–91

Analysis of click-evoked brainstem auditory electric potentials using high-pass noise masking and its clinical application. Eggermont JJ, et al. **Ann NY Acad Sci** 1982; 388:471–86

Effects of click polarity on brainstem auditory evoked potentials in normal subjects and patients: unexpected sensitivity of wave V. Emerson RG, et al.
Ann NY Acad Sci 1982;388:710–21

Tactile and auditory stimuli repeated at high rates (30–50 per sec) produce similar event related potentials. Galambos R. **Ann NY Acad Sci** 1982;388:722–8

Developmental dependencies of the human brainstem auditory evoked response. Hecox K, et al.
Ann NY Acad Sci 1982;388:538–56

Auditory brainstem response and the masking level difference. Jerger J, et al. **Ann NY Acad Sci** 1982; 388:466–70

Brainstem auditory evoked responses: introduction. Jerger J. **Ann NY Acad Sci** 1982;388:426

Distribution of auditory brainstem potentials over the scalp and nasopharynx in humans. Starr A, et al.
Ann NY Acad Sci 1982;388:427–42

Brainstem auditory evoked potentials in adult and infant sleep apnea syndromes, including sudden infant death syndrome and near-miss for sudden infant death. Stockard JJ.
Ann NY Acad Sci 1982;388:443–65

Auditory evoked brainstem response assessment in otolaryngology. Suzuki J, et al. **Ann NY Acad Sci** 1982; 388:487–513

Auditory brainstem responses as indicators of hearing aid performance. Kileny P. **Ann Otol Rhinol Laryngol** 1982 Jan-Feb;91(1 Pt 1):61–4

Neural generators of brainstem evoked potentials. Results from human intracranial recordings. Møller AR, et al.
Ann Otol Rhinol Laryngol 1981 Nov-Dec;90(6 Pt 1):591–6

Latency of auditory nerve response in neonates one to eight hours old. Rubinstein A, et al.
Ann Otol Rhinol Laryngol 1982 Mar-Apr;91(2 Pt 1):205–8

Cephalic and noncephalic references in brain stem-evoked potential recording. Rossini PM, et al.
Appl Neurophysiol 1980;43(6):313–23

Auditory brainstem evoked responses in autistic children. Tanguay PE, et al. **Arch Gen Psychiatry** 1982 Feb; 39(2):174–80

Postconcussion syndrome [letter] **Arch Neurol** 1982 Apr; 39(4):257

Auditory evoked potentials in bacterial meningitis. Kotagal S, et al. **Arch Neurol** 1981 Nov;38(11):693–5

Electrocochleographic study of Ménière's disease. Kumagami H, et al. **Arch Otolaryngol** 1982 May; 108(5):284–8

Childhood central auditory processing disorder with brainstem evoked response verification. Lenhardt ML.
Arch Otolaryngol 1981 Oct;107(10):623–5

Fahr's disease. An otolaryngologic perspective. Millen SJ, et al. **Arch Otolaryngol** 1982 Sep;108(9):591–4

Intracranially recorded auditory nerve response in man. New interpretations of BSER. Møller AR, et al.
Arch Otolaryngol 1982 Feb;108(2):77–82

Friedreich's ataxia [letter] Satya-Murti S, et al.
Arch Otolaryngol 1981 Oct;107(10):651

Development of surface-recorded cochlear and early neural potentials in the cat. Laukli E, et al.
Arch Otorhinolaryngol 1981;233(1):1–12

Cortical evoked potentials in response to brief modulation of signal amplitude. Experiments on auditory temporal resolution. von Wedel H. **Arch Otorhinolaryngol** 1982; 234(3):235–43

Auditory evoked potentials to verbal stimuli in health, aphasic, and right hemisphere damaged subjects. Pathway effects and parallels to language processing and attention. Rothenberger A, et al. **Arch Psychiatr Nervenkr** 1982; 231(2):155–70

Brainstem auditory evoked response: application in neurology. Guerreiro CA, et al. **Arq Neuropsiquiatr** 1982 Mar;40(1):21–8

Location-specific components of the gross cochlear action potential: an assessment of the validity of the high-pass masking technique by cochlear nerve fibre recording in the cat. Evans EF, et al. **Audiology** 1982;21(3):204–27

Maximum length sequences — a fast method for measuring brain-stem-evoked responses. Eysholdt U, et al.
Audiology 1982;21(3):242–50

Early auditory-evoked responses: spectral content. Laukli E, et al. **Audiology** 1981;20(6):453–64

Development of early auditory-evoked responses in the cat: filter effects. Laukli E, et al. **Audiology** 1982;21(4):350–8

Comparison between AP and SP parameters in trans- and extratympanic electrocochleography. Mori N, et al.
Audiology 1982;21(3):228–41

Attention effects on auditory EPs as a function of inter-stimulus interval. Näätänen R, et al. **Biol Psychol** 1981 Dec;13:173–87

Cross correlation analysis of averaged slow wave field potentials related to auditory stimuli. Turbes CC, et al.
Biomed Sci Instrum 1981;17:53–9

Effect of interaural intensity differences on binaural summation of brainstem auditory-evoked potentials. Prasher DK, et al. **Br J Audiol** 1981 Aug;15(3):189–94

Brain-stem auditory-evoked potentials recorded directly from human brain-stem and thalamus. Hashimoto I, et al.
Brain 1981 Dec;104(Pt 4):841–59

The evolution of visual and auditory evoked potentials in infants with perinatal disorder. Hakamada S, et al.
Brain Dev 1981;3(4):339–44

Developmental changes of brainstem auditory evoked potentials (BAEPs) in normal human subjects from infants to young adults. Mochizuki Y, et al. **Brain Dev** 1982; 4(2):127–36

Planar curve analysis of three-channel auditory brain stem response: a preliminary report. Williston JS, et al.
Brain Res 1981 Oct 26;223(1):181–4

Electrophysiological investigation of the auditory system in Friedreich's ataxia. Taylor MJ, et al. **Can J Neurol Sci** 1982 May;9(2):131–5

Short latency auditory and somatosensory evoked potentials in a patient with 'locked-in' syndrome. Hammond EJ, et al. **Clin Electroencephalogr** 1982 Jan;13(1):54–6

Representation of sound pressure and particle motion information in the midbrain of the goldfish. Fay FR, et al. **Comp Biochem Physiol [A]** 1982;71(2):181–91

Brainstem-evoked responses of guinea pigs exposed to high noise levels in utero. Cook RO, et al. **Dev Psychobiol** 1982 Mar;15(2):95–104

Recovery of the cortical evoked potential from auditory stimulation in children and adults. Surwillo WW.
Dev Psychobiol 1981 Jan;14(1):1–12

Auditory brain stem response results from 255 patients with suspected retrocochlear involvement. Bauch CD, et al.
Ear Hear 1982 Mar-Apr;3(2):83–6

Stimulus artefact reduction systems for the TDH-49 headphone in the recording of auditory evoked potentials. Cooper WA Jr, et al. **Ear Hear** 1981 Nov-Dec;2(6):283–93

The frequency specificity of tone-pip evoked auditory brain stem responses. Kileny P. **Ear Hear** 1981 Nov-Dec; 2(6):270–5

Comment on 'hearing loss in graduates of a tertiary intensive care nursery' [letter] Simmons FB. **Ear Hear** 1982 May-Jun;3(3):188–90

Simultaneous recording of early and middle components of auditory electric response. Suzuki T, et al. **Ear Hear** 1981 Nov-Dec;2(6):276–82

Coronal topography of the middle latency auditory evoked potentials (MLAEPs) in man. Cohen MM.
Electroencephalogr Clin Neurophysiol 1982 Feb;53(2):231–6

Sources of variability in auditory brain stem evoked potential measures over time. Edwards RM, et al.
Electroencephalogr Clin Neurophysiol 1982 Feb; 53(2):125–32

Auditory evoked potentials from the human midbrain: slow brain stem responses. Hashimoto I.
Electroencephalogr Clin Neurophysiol 1982 Jun;53(6):652–7

Young infants' event-related potentials (ERPs) to familiar and unfamiliar visual and auditory events in a recognition memory task. Hofmann MJ, et al.
Electroencephalogr Clin Neurophysiol 1981 Nov; 52(5):405–17

Time constants of acoustic adaptation. Huang CM.
Electroencephalogr Clin Neurophysiol 1981 Nov;52(5):394–9

Normative values for brain stem auditory evoked potentials obtained by digital filtering and automatic peak detection. John ER, et al. **Electroencephalogr Clin Neurophysiol** 1982 Aug;54(2):153–60

Auditory middle latency responses (MLRs) in patients with cortical lesions. Kraus N, et al.
Electroencephalogr Clin Neurophysiol 1982 Sep; 54(3):275–87

Brain stem auditory, visual and somatosensory evoked potentials in leukodystrophies. Markand ON, et al.
Electroencephalogr Clin Neurophysiol 1982 Jul;54(1):39–48

Evoked potentials from the inferior colliculus in man. Møller AR, et al. **Electroencephalogr Clin Neurophysiol** 1982 Jun; 53(6):612–20

Influence of test parameter combinations on the auditory evoked late response. Owen JH, et al.
Electroencephalogr Clin Neurophysiol 1982 Mar; 53(3):329–30

Auditory brain stem and middle latency responses in a patient with cortical deafness. Ozdamar O, et al.
Electroencephalogr Clin Neurophysiol 1982 Feb; 53(2):224–30

Analog delay line artifact rejector for evoked potential studies. Pratt H, et al.
Electroencephalogr Clin Neurophysiol 1982 May; 53(5):565–67

Auditory evoked magnetic fields: response amplitude vs. stimulus intensity. Reite M, et al.
Electroencephalogr Clin Neurophysiol 1982 Aug; 54(2):147–52

MEG and EEG auditory responses to tone, click and white noise stimuli. Reite M, et al.
Electroencephalogr Clin Neurophysiol 1982 Jun; 53(6):643–51

Alteration of brain stem auditory evoked responses following cardio-respiratory arrest and resuscitation. Rossini PM, et al. **Electroencephalogr Clin Neurophysiol** 1982 Aug; 54(2):232–4

Simultaneous recording and separation of early and middle latency auditory evoked potentials. Scherg M.
Electroencephalogr Clin Neurophysiol 1982 Sep; 54(3):339–41

Evoked potentials to auditory probes as indices of cerebral specialization of function—replication and extension. Shucard DW, et al.
Electroencephalogr Clin Neurophysiol 1981 Nov; 52(5):389–93

Auditory nerve-brain stem potentials in man and cat under hypoxic and hypercapnic conditions. Sohmer H, et al.
Electroencephalogr Clin Neurophysiol 1982 May; 53(5):506–12

Subcortical correlates of the auditory brain stem potentials in man: bipolar EEG and multiple unit activity and electrical stimulation. Velasco M, et al.
Electroencephalogr Clin Neurophysiol 1982 Feb; 53(2):133–42

Scalp distribution of human auditory evoked potentials. I. Evaluation of reference electrode sites. Wolpaw JR, et al.
Electroencephalogr Clin Neurophysiol 1982 Jul;54(1):15–24

Scalp distribution of human auditory evoked potentials. II. Evidence for overlapping sources and involvement of auditory cortex. Wood CC, et al.
Electroencephalogr Clin Neurophysiol 1982 Jul;54(1):25–38

A time-course analysis of attentional tuning of the auditory evoked response. Donald MW, et al. **Exp Brain Res** 1982; 46(3):357–67

Middle latency components of the auditory evoked response: lateral differences and changes by mental tasks. Kadobayashi I, et al. **Folia Psychiatr Neurol Jpn** 1981; 35(2):123–8

Scalp distribution of the auditory evoked brainstem potentials in the guinea pig during monaural and binaural stimulation. Dum N, et al. **Hear Res** 1981 Nov;5(2–3):271–84

Quantitative analysis of intensity—rate and intensity—latency functions in peripheral auditory nerve fibers of northern leopard frogs (Rana p. pipiens). Feng AS. **Hear Res** 1982 Apr;6(3):241–6

Cochlear microphonic evidence for mechanical propagation of distortion products (f2 - f1) and (2f1 - f2). Gibian GL, et al. **Hear Res** 1982 Jan;6(1):35–59

Reverse correlation study of cochlear filtering in normal and pathological guinea pig ears. Harrison RV, et al.
Hear Res 1982 Apr;6(3):303–14

Cochlear microphonic potentials elicited by biosonar signals in flying bats, Pteronotus p. parnellii. Henson OW Jr, et al. **Hear Res** 1982 Jul;7(2):127–47

Effect of substrate-free vascular perfusion upon cochlear potentials and glycogen of the stria vascularis. Kambayashi J, et al. **Hear Res** 1982-Feb;6(2):223–40

Corresponding effects of acoustic fatigue on the cochlear microphonic and the compound action potential. Pierson MG, et al. **Hear Res** 1982 Jan;6(1):61–82

Corresponding effects of hypoxia on the cochlear microphonic and the compound action potential. Pierson MG, et al. **Hear Res** 1982 Jan;6(1):83–101

Neural coding of repetitive clicks in the medial geniculate body of cat. Rouiller E, et al. **Hear Res** 1981 Sep; 5(1):81–100

Modulation of responses of spiral ganglion cells in the guinea pig cochlea by low frequency sound. Sellick PM, et al.
Hear Res 1982 Jul;7(2):199–221

Efferent neural control of cochlear mechanics? Olivocochlear bundle stimulation affects cochlear biomechanical nonlinearity. Siegel JH, et al. **Hear Res** 1982-Feb; 6(2):171–82

Response properties of type II and type III units in dorsal cochlear nucleus. Young ED, et al. **Hear Res** 1982-Feb; 6(2):153–69

Spectra of auditory brainstem responses and spontaneous EEG. Boston JR. **IEEE Trans Biomed Eng** 1981 Apr; 28(4):334–41

Vector analysis of auditory evoked potential in the brain stem. Szelenberger W. **Int J Biomed Comput** 1982 May; 13(3):263–9

Subcortical correlates of the auditory brain stem potentials in man: referential EEG responses. Velasco M, et al.
Int J Neurosci 1981;15(4):241–8

Analysis of auditory brain stem response sources along the basilar membrane to low-frequency filtered clicks. Kinarti R, et al. **Isr J Med Sci** 1982 Jan;18(1):93–8

Acoustically evoked activity of single efferent neurons in the guinea pig cochlea. Cody AR, et al.
J Acoust Soc Am 1982 Jul;72(1):280–2

Correspondence principle in cochlear mechanics. de Boer E. **J Acoust Soc Am** 1982 Jun;71(6):1496–501

Binaural interaction in auditory brainstem responses: theoretical and methodological considerations [letter] Dobie RA. **J Acoust Soc Am** 1982 Apr;71(4):1031–6

Identification of local and propagating distortion products from cochlear microphonic responses. Ronken DA, et al.

J Acoust Soc Am 1981 Aug;70(2):410–25
Logarithmic display of auditory evoked potentials. Michelini S, et al. J Biomed Eng 1982 Jan;4(1):62–4
A comparison of the emitted late positive potential in older and young adults. Michalewski HJ, et al. J Gerontol 1982 Jan;37(1):52–8
B.A.E.R. Brainstem auditory evoked potentials in brainstem compression and displacement from posterior fossa tumor. Ahmed I, et al. J Kans Med Soc 1981 Dec;82(12):564–5, 570
Delayed auditory brainstem responses in diabetes mellitus. Donald MW, et al. J Neurol Neurosurg Psychiatry 1981 Jul;44(7):641–4
Evaluation of ipsilateral and contralateral brainstem auditory evoked potentials in multiple sclerosis patients. Barajas JJ. J Neurol Sci 1982 Apr;54(1):69–78
Intraoperative monitoring of brain-stem auditory evoked potentials. Raudzens PA, et al. J Neurosurg 1982 Sep; 57(3):341–8
Auditory evoked potentials from the human cochlea and brainstem. Picton TW, et al. J Otolaryngol [Suppl] 1981 Aug;10(9 Suppl):1–41 (189 ref.)
Auditory brainstem responses in sudden infant death syndrome: comparison of siblings, 'near miss,' and normal infants. Kileny P, et al. J Pediatr 1982 Aug;101(2):225–7
Auditory brainstem responses in preterm neonates: maturation and follow-up. Roberts JL, et al. J Pediatr 1982 Aug;101(2):257–63
Abnormal auditory brainstem response in a newborn infant with hyperbilirubinemia: improvement with exchange transfusion. Wennberg RP, et al. J Pediatr 1982 Apr; 100(4):624–6
New diagnostic technique BEAmed at dyslexia [news] Cowart VS. JAMA 1982 Apr 16;247(15):2072–3, 2077
Combined electrocochleography and tomography of the temporal bones in severely deaf infants. Beagley HA. Laryngoscope 1982 Jul;92(7 Pt 1):821–2
Auditory function in acute severe head injury. Hall JW 3d, et al. Laryngoscope 1982 Aug;92(8 Pt 1):883–90
Brain stem auditory evoked potentials in patients with hemifacial spasm. Møller MB, et al. Laryngoscope 1982 Aug;92(8 Pt 1):848–52
Spatial distribution of brainstem auditory evoked potentials and their alterations in lesions of the VIIIth nerve and brainstem. Hashimoto I, et al. Neurol Res 1981;3(2):167–94
Prognostic importance of brainstem auditory evoked responses after asphyxia. Hecox KE, et al. Neurology (NY) 1981 Nov;31(11):1429–34
Localizing and prognostic value of auditory evoked responses in coma after closed head injury. Karnaze DS, et al. Neurology (NY) 1982 Mar;32(3):299–302
Neurophysiological study of newborns with hypocalcemia. Watanabe K, et al. Neuropediatrics 1982 Feb;13(1):34–8
The use of kainic acid for studying the origins of scalp-recorded auditory brainstem responses in the guinea pig. Gardi JN, et al. Neurosci Lett 1981 Oct 23;26(2):143–9
Evoked potential changes produced by positioning for retromastoid craniectomy. Grundy BL, et al. Neurosurgery 1982 Jun;10(6 Pt 1):766–70
Preservation of cochlear nerve function with the aid of brain stem auditory evoked potentials. Hardy RW Jr, et al. Neurosurgery 1982 Jul;11(1 Pt 1):16–9
On-effect in brainstem electric response audiometry. Consequences for the use of tone-bursts. Debruyne F, et al. ORL J Otorhinolaryngol Relat Spec 1982;44(1):36–42
Changes of the action potential, the summating potential and cochlear microphonics in experimental endolymphatic hydrops. Kumagami H, et al. ORL J Otorhinolaryngol Relat Spec 1981;43(6):314–27
Neurophysiological abnormalities in uraemic encephalopathy. Albertazzi A, et al. Proc Eur Dial Transplant Assoc 1981;18:652–7
Neuroanatomical and physiological foundations of extraversion. Campbell KB, et al. Psychophysiology 1981 May;18(3):263–7
Event-related potentials (ERPs) to interruptions of a steady rhythm. Ford JM, et al. Psychophysiology 1981 May; 18(3):322–30
The auditory brainstem response to binaural delayed stimuli in man. Arslan E, et al. Scand Audiol 1981;10(3):151–5
Auditory brainstem responses in ears with hearing loss: case studies. Bauch CD, et al. Scand Audiol 1981;10(4):247–54
Analogue and digital filtering of auditory brainstem responses. Doyle DJ, et al. Scand Audiol 1981;10(2):81–9
Digital inverse filtering of distorted auditory brainstem responses. Doyle DJ, et al. Scand Audiol 1981;10(4):261–3
Click polarity inversion effects upon the human brainstem auditory evoked potential. Kevanishvili Z, et al. Scand Audiol 1981;10(3):141–7
Considerations of the sources of the human brainstem auditory evoked potential on the basis of bilateral asymmetry of its parameters. Kevanishvili Z. Scand Audiol 1981;10(3):197–202
Brain-stem responses when masking with wide-band and high-pass filtered noise. Thümmler I, et al. Scand Audiol 1981;10(4):255–9
Normative data in clinical ABR. Bergholtz L. Scand Audiol [Suppl] 1981;13:75–81
Brainstem response (ABR) to rarefaction and condensation clicks in normal hearing and steep high-frequency hearing loss. Borg E, et al. Scand Audiol [Suppl] 1981;13:99–101
Brainstem response (ABR) in conductive hearing loss. Borg E, et al. Scand Audiol [Suppl] 1981;13:95–7
Brainstem responses to filtered sine-waves for frequency specific determination of auditory sensitivity in rats and rabbits. Borg E. Scand Audiol [Suppl] 1981;13:33–4
Physiological mechanisms in auditory brainstem-evoked response. Borg E. Scand Audiol [Suppl] 1981;13:11–22
A comparison between auditory and visual evoked responses in multiple sclerosis. Djupesland G, et al. Scand Audiol [Suppl] 1981;15:135–7
The application of FFT and inverse FFT in the analysis of ABR waveform variation. Lang AH, et al. Scand Audiol [Suppl] 1981;13:65–7
Experimental ABR studies. Mair IW, et al. Scand Audiol [Suppl] 1981;13:23–32
The unsolved problems in analog filtering on the auditory brain stem responses. Osterhammel P. Scand Audiol [Suppl] 1981;13:69–74
The ABR and the MLR in patients with acoustic neuromas. Terkildsen K, et al. Scand Audiol [Suppl] 1981;13:103–7
Auditory brain stem responses (ABR) in cat. Latency as a function of stimulus polarity, intensity and acoustic waveform. Tvete O, et al. Scand Audiol [Suppl] 1981; 13:35–8
ABR following severe head trauma. A study of click-evoked and frequency-following responses. Walter B, et al. Scand Audiol [Suppl] 1981;13:125–30
Serial observations of brain stem function by auditory brain stem responses in central transtentorial herniation. Nagao S, et al. Surg Neurol 1982 May;17(5):355–7
[A comparison of induced potential between normal subjects and patients with Down's disease (author's transl)] Xu BH. Chung Hua Shen Ching Ching Shen Ko Tsa Chih 1979 Jun; 12(2):102–6 (Chi)
[Derived potentials and the microcomputer (author's transl)] Frachet B, et al. Ann Otolaryngol Chir Cervicofac 1981; 98(12):647–51 (Eng. Abstr.) (Fre)
[Value of early auditory evoked potentials in the diagnosis of acoustic neurinoma] Haguenauer JP, et al. J Fr Otorhinolaryngol 1982 May;31(5):341–5 (Fre)
[Diagnostic value of brainstem auditory evoked potentials (author's transl)] Fischer C, et al. Rev Neurol (Paris) 1981; 137(4):229–40 (Eng. Abstr.) (Fre)
[Brainstem evoked potentials in deaf-blind children (author's transl)] Coll J, et al. Rev Otoneuroophtalmol 1981 Mar-Apr; 53(2):189–91 (Eng. Abstr.) (Fre)
[Brainstem auditory evoked responses in multiple sclerosis (author's transl)] Conraux C, et al. Rev Otoneuroophtalmol 1981 Mar-Apr;53(2):127–38 (Eng. Abstr.) (Fre)
[Cerebrovascular accidents affecting the brain stem and evoked auditory potentials (author's transl)] Robier A, et al. Rev Otoneuroophtalmol 1981 Jul-Sep;53(4):301–10 (Eng. Abstr.) (Fre)
[Early evoked auditory potentials for the assessment of prognosis in cerebral resuscitation] Despland PA, et al. Schweiz Med Wochenschr 1982 Jul 6;112(27–28):997–1001 (Eng. Abstr.) (Fre)
[Ultrasound hearing by humans: objectivation with brain stem potentials (author's transl)] Flach M, et al. Laryngol Rhinol Otol (Stuttg) 1980;59(12):840–3 (Eng. Abstr.) (Ger)
[The effect of rarefaction and condensation tone pips on early auditory evoked potentials (EAEP) (author's transl)] Maurer K, et al. Laryngol Rhinol Otol (Stuttg) 1981 Sep; 60(9):484–7 (Eng. Abstr.) (Ger)
[Evoked cortical potentials caused by short-term changes in interaural coherence] von Wedel H. Laryngol Rhinol Otol (Stuttg) 1982 Mar;61(3):159–64 (Eng. Abstr.) (Ger)
[Visual evoked potentials and click-evoked brainstem potentials in early diagnosis of multiple sclerosis: statistics (author's transl)] Lehmann D, et al. Nervenarzt 1982 Jun; 53(6):327–32 (Eng. Abstr.) (Ger)
[Brain-stem auditory evoked potentials (BAEPs) and computerized tomography (CT scans) in patients with reversible ischemic attacks (RIAs) in the vertebro-basilar system (author's transl)] Rossi L, et al. Riv Patol Nerv Ment 1980 Nov-Dec;101(6):272–8 (Eng. Abstr.) (Ita)
[Evaluation of the brainstem function and prognosis of comatose patients by means of the auditory brainstem response and caloric tests (author's transl)] Baba S. Nippon Jibiinkoka Gakkai Kaiho 1981 Dec 20; 84(12):1542–53 (Eng. Abstr.) (Jpn)
[Origins and clinical applications of brainstem auditory evoked potentials (author's transl)] Hashimoto I. No Shinkei Geka 1981 Nov;9(12):1339–51 (66 ref.) (Jpn)
[The effects of selective attention to tone pips and speech messages upon event-related potential (author's transl)] Honjoh Y, et al. Shinrigaku Kenkyu 1981 Apr;52(1):23–9 (Eng. Abstr.) (Jpn)
[Effect of tarflen on inner ear biopotentials in the guinea pig] Namysłowski G, et al. Otolaryngol Pol 1981; 35(3):251–62 (Eng. Abstr.) (Pol)
[Effect of destruction of the ventrolateral nucleus of the thalamus on evoked potentials in the sensomotor region of the cortex in cats] Cherenkova LV, et al. Fiziol Zh SSSR 1981 Dec;67(12):1873–5 (Rus)
[Reproduction of the shape of an acoustic wave in the overall synchronized response of the cochlear nuclei] Nikitin NI. Fiziol Zh SSSR 1981 Aug;67(8):1208–14 (Eng. Abstr.) (Rus)
[Characteristics of sonomotor potentials in the intact guinea pig] Bakaĭ EA, et al. Neirofiziologiia 1982;14(2):212–4 (Rus)
[Evaluation of the interrelations among auditory potential parameters by means of the technic of correlation-regression analysis] Davidenko IP, et al. Neirofiziologiia 1982;14(3):254–9 (Eng. Abstr.) (Rus)
[Bulbar evoked potentials in multiple sclerosis] Avakian GN, et al. Zh Nevropatol Psikhiatr 1982;82(4):39–42 (Eng. Abstr.) (Rus)
[Characteristics of human auditory evoked potentials during lateralization of a 'moving' acoustic pattern] Al'tman IaA, et al. Zh Vyssh Nerv Deiat 1982 May-Jun;32(3):472–9 (Rus)
[The auditory evoked potentials of the brain stem: their importance in the diagnosis of deafness in childhood] Alonso Párraga D, et al. An Otorrinolaringol Ibero Am 1981;8(5):391–8 (Spa)
[Evaluation of the wave interval (I–V) of brainstem potentials. Statistical study] Mencheta E, et al. An Otorrinolaringol Ibero Am 1982;9(2):83–96 (Eng. Abstr.) (Spa)

DRUG EFFECTS

Effects of sodium pentobarbital, ketamine, halothane, and chloralose on brainstem auditory evoked responses. Cohen MS, et al. Anesth Analg (Cleve) 1982 Apr;61(4):338–43
Auditory brainstem responses during systemic infusion of lidocaine. Javel E, et al. Arch Otolaryngol 1982 Feb; 108(2):71–76
Nature of the endocochlear dc potential in kanamycin-poisoned guinea pigs. Komune S, et al. Arch Otolaryngol 1982 Jun;108(6):334–8
The influence of ototoxic drugs on brainstem auditory evoked potentials in man. Guerit JM, et al. Arch Otorhinolaryngol 1981;233(2):189–99
Are aminosugars ototoxic? Tachibana M, et al. Arch Otorhinolaryngol 1981;230(2):103–7
Ototoxic effects of salicylates on the responses of single cochlear nerve fibres and on cochlear potentials. Evans EF, et al. Br J Audiol 1982 May;16(2):101–8
Brainstem dysfunction in infants responsive to thiamine disulfide: preliminary studies in four patients. Lonsdale D, et al. Clin Electroencephalogr 1982 Apr;13(2):82–8
Dose- and time-dependent effects of ethanol on brain stem auditory evoked responses in young adult males. Church MW, et al. Electroencephalogr Clin Neurophysiol 1982 Aug; 54(2):161–74
Comparison of phenytoin and phenobarbital effects on far-field auditory and somatosensory evoked potential interpeak latencies. Green JB, et al. Epilepsia 1982 Aug; 23(4):417–21
Baclofen and the brain stem auditory evoked potential. Martin MR. Exp Neurol 1982 Jun;76(3):675–80
Effect of asphyxia and aminooxyacetic acid on the slow potential evoked by crossed olivocochlear bundle stimulation. Bobbin RP, et al. Hear Res 1981 Nov; 5(2–3):265–9
Interaction of aminooxyacetic acid and ethacrynic acid with intense sound at the level of the cochlea. Kisiel DL, et al. Hear Res 1982–Feb;6(2):129–40
Comparison of the non-adrenergic action of phentolamine with that of vanadate on cochlear function. Marcus DC, et al. Hear Res 1982 Jul;7(2):233–46
Effect of anesthesia on maximal cochlear microphonics. Samara M, et al. Hear Res 1981 Nov;5(2–3):337–42
Effects of hexane on the brainstem auditory response and caudal nerve action potential. Rebert CS, et al. Neurobehav Toxicol Teratol 1982 Jan–Feb;4(1):79–85
Phenytoin prolongs far-field somatosensory and auditory evoked potential interpeak latencies. Green JB, et al. Neurology (NY) 1982 Jan;32(1):85–8
Pentylenetetrazol-induced enhancement of reticular formation auditory evoked potentials and acoustic startle responses in the cat. Faingold CL, et al. Neuropharmacology 1981 Aug;20(8):787–9
Ethanol-induced modification of sensory evoked potentials recorded from the caudate nucleus, substantia nigra, hypothalamus, and pineal. Fuller GN, et al. Neuropharmacology 1981 Sep;20(9):851–7
Role of serotonin in the nicotine-induced depression of the brainstem auditory evoked response. Bhargava V, et al. Pharmacol Biochem Behav 1981 Oct;15(4):587–9
Effects of nitrous oxide inhalation on brain potentials evoked by auditory and noxious dental stimulation. Harkins SW, et al. Prog Neuropsychopharmacol Biol Psychiatry 1982; 6(2):167–74
Comparisons of the acute effects of I.V. furosemide and bumetanide on the cochlear action potential (N1) and on the A.C. cochlear potential (CM) at 6 KHz in cats, dogs and guinea pigs. Brown RD. Scand Audiol [Suppl] 1981; 14 Suppl:71–83
Pharmacokinetics of furosemide in relation to the alteration of endocochlear potential. Juhn SK, et al. Scand Audiol [Suppl] 1981;14 Suppl:39–49
[The differentiation between delirium tremens and Wernicke's encephalopathy by the examination of acoustically evoked brain-stem potentials] Haas W, et al. Schweiz Arch Neurol Neurochir Psychiatr 1981; 129(2):315–23 (Eng. Abstr.) (Ger)

EVOKED POTENTIALS, SOMATOSENSORY

Brain dysfunction following vasospasm evaluated by somatosensory evoked potentials. Suzuki A, et al. **Acta Neurochir (Wien)** 1982;63(1-4):53-8

Short-latency somatosensory evoked potentials in man, monkey, cat, and rat: comparative latency analysis. Allison T, et al. **Adv Neurol** 1982;32:303-11

Diagnostic significance of cortical somatosensory evoked potentials following trigeminal nerve stimulation. Buettner UW, et al. **Adv Neurol** 1982;32:339-45

Human pain and evoked potentials: possible assessment of headache with endogenous brain potentials triggered by the R wave of EKG in pain patients. Chen AC, et al. **Adv Neurol** 1982;32:389-95

Visual and somesthetic potentials in neurolipidosis. d'Allest AM, et al. **Adv Neurol** 1982;32:397-407

Results of a prospective study on the value of combined visual, somatosensory, brainstem auditory evoked potentials and blink reflex measurements for disclosing subclinical lesions in suspected multiple sclerosis. Deltenre P, et al. **Adv Neurol** 1982;32:473-9

Recent progress in the understanding of subcortical somatosensory evoked potentials. Desmedt JE, et al. **Adv Neurol** 1982;32:295-302

Changes in visual and short-latency somatosensory evoked potentials in patients with multiple sclerosis. de Weerd AW, et al. **Adv Neurol** 1982;32:527-34

Relationship between somatosensory evoked potential components and cutaneous pain threshold: effects of transcutaneous electrical nerve stimulation. Francini F, et al. **Adv Neurol** 1982;32:383-8

Multimodal evoked potentials in multiple sclerosis: basal and follow-up data. Gambi D, et al. **Adv Neurol** 1982;32:551-7

Subcortical and cortical somatosensory evoked potentials: characteristic waveform changes associated with disorders of the peripheral and central nervous system. Jones SJ, et al. **Adv Neurol** 1982;32:313-20

Diagnostic value of segmental somatosensory evoked potentials in cases with chronic progressive para- or tetraspastic syndromes. Jörg J, et al. **Adv Neurol** 1982; 32:347-58

The value of a multimodal evoked potential approach in the diagnosis of multiple sclerosis. Kjaer M. **Adv Neurol** 1982; 32:507-12

Exacerbation detection in multiple sclerosis by clinical and evoked potential techniques: a preliminary report. Likosky W, et al. **Adv Neurol** 1982;32:535-40

Multimodality evoked responses in leukodystrophies. Markand ON, et al. **Adv Neurol** 1982;32:409-16

Early somatosensory evoked potentials in thalamo-cortical lesions of the lemniscal pathways in humans. Mauguière F, et al. **Adv Neurol** 1982;32:321-38

Somatosensory evoked potential testing in multiple sclerosis. Nuwer MR, et al. **Adv Neurol** 1981;31:183-99

Huntington's disease: alterations of visual and somatosensory cortical evoked potentials in patients and offspring. Oepen G, et al. **Adv Neurol** 1982;32:141-7

Somatosensory evoked potentials following tibial nerve stimulation in multiple sclerosis and space-occupying spinal cord diseases. Riffel B, et al. **Adv Neurol** 1982;32:493-500

Somatosensory evoked potentials before and after percutaneous thermocoagulation of the Gasserian ganglion for trigeminal neuralgia. Salar G, et al. **Adv Neurol** 1982; 32:359-65

Value of the simultaneous recording of brain stem auditory evoked potentials, blink reflex, and short-latency somatosensory evoked potentials for the assessment of brainstem function in clinical neurology. Van Nechel C, et al. **Adv Neurol** 1982;32:203-10

Intraoperative somatosensory evoked response monitoring during spinal cord surgery. Worth RM, et al. **Adv Neurol** 1982;32:367-73

Carpal tunnel syndrome. Measurement of sensory potentials using ring and index fingers. Monga TN, et al. **Am J Phys Med** 1982 Jun;61(3):123-9

Hind limb somatosensory evoked potentials in the monkey: the effects of distal axonopathy. Arezzo JC, et al. **Ann Neurol** 1982 Jul;12(1):24-32

Evoked potentials. **Ann NY Acad Sci** 1982;388:1-738

Scalp and cortical recordings of initial somatosensory cortex activity to median nerve stimulation in man. Allison T. **Ann NY Acad Sci** 1982;388:671-8

The contribution of afferent fiber tracts to the somatosensory evoked potential. Arezzo JC, et al. **Ann NY Acad Sci** 1982; 388:679-82

Spinal somatosensory evoked potentials: maturational and clinical studies. Cracco JB, et al. **Ann NY Acad Sci** 1982; 388:526-37

Short-latency somatosensory evoked potentials to median and peroneal nerve stimulation: studies in normal subjects and patients with neurologic disease. Cracco RQ, et al. **Ann NY Acad Sci** 1982;388:412-25

Somatosensory evoked potentials in man: subcortical and cortical components and their neural basis. Desmedt JE, et al. **Ann NY Acad Sci** 1982;388:388-411

Tactile and auditory stimuli repeated at high rates (30-50 per sec) produce similar event related potentials. Galambos R. **Ann NY Acad Sci** 1982;388:722-8

The somatosensory evoked potential in patients with severe head injury: outcome prediction and monitoring of brain function. Greenberg RP, et al. **Ann NY Acad Sci** 1982; 388:683-8

Clinical applications of short-latency somatosensory evoked potentials. Jones SJ. **Ann NY Acad Sci** 1982;388:369-87

Short-latency somatosensory evoked potentials following median nerve stimulation. Kimura J, et al. **Ann NY Acad Sci** 1982;388:689-94

Scalp-recorded somatosensory evoked potentials to stimulation of nerves in the lower extremities and evaluation of patients with spinal cord trauma. Perot PL Jr, et al. **Ann NY Acad Sci** 1982;388:359-68

Somatosensory evoked potentials to random stimulus trains. Sclabassi RJ, et al. **Ann NY Acad Sci** 1982;388:695-701

Natural stimuli evoking somatosensory potentials. Starr A, et al. **Ann NY Acad Sci** 1982;388:702-6

Stimulating and recording methods used in obtaining short-latency somatosensory evoked potentials (SEPs) in patients with central and peripheral neurologic disorders. Wiederholt WC, et al. **Ann NY Acad Sci** 1982;388:348-58

Measurement of spinal cord ischemia during operations upon the thoracic aorta: initial clinical experience. Cunningham JN Jr, et al. **Ann Surg** 1982 Sep;196(3):285-96

Intraoperative detection of spinal cord ischemia using somatosensory cortical evoked potentials during thoracic aortic occlusion. Coles JG, et al. **Ann Thorac Surg** 1982 Sep;34(3):299-306

Cortical-evoked responses before and after percutaneous thermocoagulation of the Gasserian ganglion. Preliminary report. Salar G, et al. **Appl Neurophysiol** 1981; 44(5-6):355-62

Intracranial recordings of short-latency somatosensory evoked potentials. Suzuki I, et al. **Appl Neurophysiol** 1982; 45(4-5):410-2

Paradoxical lateralization of cortical potentials evoked by stimulation of posterior tibial nerve. Cruse R, et al. **Arch Neurol** 1982 Apr;39(4):222-5

Short- and long-latency somatosensory evoked potentials in multiple sclerosis. Yamada T, et al. **Arch Neurol** 1982 Feb; 39(2):88-94

Investigation of brachial plexus injuries by intraoperative cortical somatosensory evoked potentials. Sugioka H, et al. **Arch Orthop Trauma Surg** 1982;99(3):143-51

Somatosensory evoked potentials: their predictive value in right hemiplegia. La Joie WJ, et al. **Arch Phys Med Rehabil** 1982 May;63(5):223-6

The effects of focal epileptic activity on the somatosensory evoked potentials in the rat. Takahashi H, et al. **Arch Psychiatr Nervenkr** 1981;231(1):81-91

Somatosensory evoked response: application in neurology. Guerreiro CA, et al. **Arq Neuropsiquiatr** 1982 Mar; 40(1):29-38

Evaluation of brain death using somatosensory evoked potentials. de la Torre JC. **Biol Psychiatry** 1981 Oct; 16(10):931-5

Gating of somatosensory evoked potentials during different kinds of movement in man. Rushton DN, et al. **Brain** 1981 Sep;104(3):465-91

The somatosensory evoked potential. Eisen A. **Can J Neurol Sci** 1982 May;9(2):65-77

Short latency auditory and somatosensory evoked potentials in a patient with 'locked-in' syndrome. Hammond EJ, et al. **Clin Electroencephalogr** 1982 Jan;13(1):54-6

The origins of the subcortical component of the median nerve somatosensory evoked potentials. Marra TR. **Clin Electroencephalogr** 1982 Apr;13(2):116-21

Short latency SEPs to median nerve stimulation: comparison of recording methods and origin of components. Anziska BJ, et al. **Electroencephalogr Clin Neurophysiol** 1981 Dec; 52(6):531-9

Prevertebral (oesophageal) recording of subcortical somatosensory evoked potentials in man: the spinal P13 component and the dual nature of the spinal generators. Desmedt JE, et al. **Electroencephalogr Clin Neurophysiol** 1981 Oct;52(4):257-75

Non-cephalic reference recording of early somatosensory potentials to finger stimulation in adult or aging normal man: differentiation of widespread N18 and contralateral N20 from the prerolandic P22 and N30 components. Desmedt JE, et al. **Electroencephalogr Clin Neurophysiol** 1981 Dec;52(6):553-70

Origins of cat somatosensory far-field and early near-field evoked potentials. Dong WK, et al. **Electroencephalogr Clin Neurophysiol** 1982 Feb; 53(2):143-65

An 'interference' approach to the study of somatosensory evoked potentials in man. Jones SJ. **Electroencephalogr Clin Neurophysiol** 1981 Dec; 52(6):517-30

Short latency somatosensory evoked spinal and scalp-recorded potentials following posterior tibial nerve stimulation in man. Kakigi R, et al. **Electroencephalogr Clin Neurophysiol** 1982 Jun; 53(6):602-11

Brain stem auditory, visual and somatosensory evoked potentials in leukodystrophies. Markand ON, et al. **Electroencephalogr Clin Neurophysiol** 1982 Jul;54(1):39-48

Short latency somatosensory evoked potentials to peroneal nerve stimulation: scalp topography and the effect of different frequency filters. Rossini PM, et al. **Electroencephalogr Clin Neurophysiol** 1981 Dec; 52(6):540-52

Somatosensory evoked potentials in diagnostics of cervical spondylosis and herniated disc. Siivola J, et al. **Electroencephalogr Clin Neurophysiol** 1981 Oct; 52(4):276-82

A somatosensory evoked response obtained after stimulation of the contralateral pudendal nerve. A preliminary report. Kaplan PE. **Electromyogr Clin Neurophysiol** 1981 Sep-Oct; 21(6):585-7

Somatosensory evoked potentials in unilateral cerebral lesions. Effort to study the origin of the components. Kazis A, et al. **Electromyogr Clin Neurophysiol** 1982 Mar-Apr; 22(3):163-82

Comparative studies of somatosensory cerebral and spinal evoked responses with F-wave and H-reflex latencies. Siafakas A, et al. **Electromyogr Clin Neurophysiol** 1982 Jan-Feb;22(1-2):55-64

Extreme somatosensory evoked potential (ESEP): an EEG sign forecasting the possible occurrence of seizures in children. de Marco P, et al. **Epilepsia** 1981 Oct;22(5):569-75

Differences in human group mean SEP between sexes: with reference to the Rohrer's index. Ikuta T, et al. **Folia Psychiatr Neurol Jpn** 1981;35(2):147-58

Sex differences in the human group mean SEP. Ikuta T, et al. **Folia Psychiatr Neurol Jpn** 1981;35(4):447-60

Characteristics of somatosensory evoked potentials recorded over the spinal cord and brain of man. Sherwood AM. **IEEE Trans Biomed Eng** 1981 Jul;28(7):481-7

On the relation between somatic evoked potentials and fields. Kaufman L, et al. **Int J Neurosci** 1981;15(4):223-39

Amplitude/standard deviation functions of somatosensory evoked potential recovery in healthy elderly and young adults. Patterson M, et al. **J Gerontol** 1981 Nov;36(6):693-9

Fever and evoked potentials in multiple sclerosis. Kazis A, et al. **J Neurol** 1982;227(1):1-10

Visual and somatosensory evoked potentials and F-wave latency measurements in hereditary neuropathy with liability to pressure palsies. Strenge H, et al. **J Neurol** 1982; 226(4):269-73

Proprioceptive modulation of somatosensory evoked potentials during active or passive finger movements in man. Abbruzzese G, et al. **J Neurol Neurosurg Psychiatry** 1981 Oct;44(10):942-9

Conducted and segmental components of the somatosensory cervical response. Leandri M, et al. **J Neurol Neurosurg Psychiatry** 1981 Aug;44(8):718-22

Conduction of sensory action potentials across the posterior fossa in infratentorial space-occupying lesions in man. Wang AD, et al. **J Neurol Neurosurg Psychiatry** 1982 May; 45(5):440-5

Evoked somatosensory potentials to common peroneal nerve stimulation in man. Cheirazi B, et al. **J Neurosurg** 1981 Nov;55(5):733-41

Sensory evoked response to electrical stimulation of the trigeminal nerve in humans. Findler G, et al. **J Neurosurg** 1982 Apr;56(4):545-9

Reversible facial pain due to hydrocephalus with trigeminal somatosensory evoked response changes. Case report. Findler G, et al. **J Neurosurg** 1982 Aug;57(2):267-9

Conducted somatosensory evoked potentials during spinal surgery. Part 1: control conduction velocity measurements. Macon JB, et al. **J Neurosurg** 1982 Sep;57(3):349-53

Conducted somatosensory evoked potentials during spinal surgery. Part 2: clinical applications. Macon JB, et al. **J Neurosurg** 1982 Sep;57(3):354-9

Spinal cord pathways mediating somatosensory evoked potentials. Powers SK, et al. **J Neurosurg** 1982 Oct; 57(4):472-82

Patterns of activity evoked in cerebellar interpositus nuclear neurones by natural somatosensory stimuli in awake cats. Cody FW, et al. **J Physiol (Lond)** 1981 Aug;317:1-20

Somatosensory evoked potentials in patients with amyotrophic lateral sclerosis. MacNealy MA, et al. **JAOA** 1981 Sep;81(1):39-47

Evoked potentials in clinical medicine (second of two parts). Chiappa KH, et al. **N Engl J Med** 1982 May 20; 306(20):1205-11 (65 ref.)

Central nervous system amplification: its potential in the diagnosis of early multiple sclerosis. Eisen A, et al. **Neurology (NY)** 1982 Apr;32(4):359-64

Tourniquet-induced ischemia and somatosensory evoked potentials. Yamada T, et al. **Neurology (NY)** 1981 Dec; 31(12):1524-9

Monitoring of cortical somatosensory evoked potentials to determine the safety of sacrificing the anterior cerebral artery. Grundy BL, et al. **Neurosurgery** 1982 Jul;11(1 Pt 1):64-7

Simple technique for monitoring intraoperative spinal cord function. Hahn JF, et al. **Neurosurgery** 1981 Dec;9(6):692-5

Low temperature stimulation augments early wave component of somatosensory evoked response in humans and Macaca mulatta monkeys. Schneider RJ. **Pain** 1982 May;13(1):87-106

Somatosensory cerebral evoked potentials in spinal cord diseases. Grüninger W, et al. **Paraplegia** 1981;19(4):206-15

The attention-related somatosensory evoked potential late positive wave in psychiatric patients. Josiassen RC, et al. **Psychiatry Res** 1981 Oct;5(2):147-55

Somatosensory evoked potential changes with a selective attention task. Josiassen RC, et al. **Psychophysiology** 1982 Mar;19(2):146-59

[Somatosensory evoked potential in patients with demyelinating disease (author's transl)] Lai ML. **Taiwan I Hsueh Hui Tsa Chih** 1981 Dec;80(12):1281-7

(Eng. Abstr.) (Chi)
[The importance of monitoring cerebral cortex activity during artificial pulmonary ventilation and controlled deep hypotension in neurosurgery] Trávníček V, et al. **Rozhl Chir** 1982 Mar;61(3):161–5 (Eng. Abstr.) (Cze)
[Short–latency somatosensory evoked potentials (SEPs) in dyssynergia cerebellaris myoclonica (author's transl)] Mauguiere F, et al. **Rev Electroencephalogr Neurophysiol Clin** 1981 Nov; 11(2):174–82 (Eng. Abstr.) (Fre)
[Rotatory evoked cortical potentials in man (author's transl)] Gerull G, et al. **Biomed Tech (Berlin)** 1981 Nov; 26(11):262–6 (Eng. Abstr.) (Ger)
[Diagnostic value of somatosensory evoked potentials (SEP) in lesions of the brachial plexus (author's transl)] Stöhr M, et al. **EEG EMG** 1981 Dec;12(4):195–7 (Eng. Abstr.) (Ger)
[The significance of sex–linked differences for the assessment of somatosensory evoked potentials (author's transl)] Strenge H, et al. **EEG EMG** 1981 Sep;12(3):120–4 (Eng. Abstr.) (Ger)
[Brachial plexus, spinal, brainstem and cortical somatosensory evoked potentials (SEP) following median nerve stimulation (author's transl)] Jörg J. **Nervenarzt** 1982 Jun; 53(6):333–43 (Ger)
[Evoked potentials in spinal cord diseases (author's transl)] Shibasaki H. **No Shinkei Geka** 1981 Sep;9(10):1109–22 (89 ref.) (Jpn)
[Effect of filters on somatosensory evoked potentials by mechanical stimuli (author's transl)] Sakamoto J, et al. **Rinsho Byori** 1982 Feb;30(2):232–6 (Jpn)
[Structure of intracortical connections at different stages of normal development, in hysterical psychopathy and in schizophrenia] Strelets VB. **Zh Nevropatol Psikhiatr** 1981; 81(9):1347–53 (Eng. Abstr.) (Rus)
[Signs of pre–tuning in the dynamics of evoked activity and reaction time in children] Peresleni LI, et al. **Zh Vyssh Nerv Deiat** 1982 Mar–Apr;32(2):209–17 (Eng. Abstr.) (Rus)
[Syndromic diversities in Creutzfeldt–Jakob disease: neurophysiological and histopathological correlates] Ferrer S, et al. **Arq Neuropsiquiatr** 1982 Mar;40(1):39–53 (Eng. Abstr.) (Spa)
[Conduction and origin of evoked potentials in the somesthetic pathway (author's transl)] Obeso JA, et al. **Rev Esp Fisiol** 1981 Jun;37(2):177–84 (Eng. Abstr.) (Spa)
[Somatosensory evoked potentials in relation to the intensity of stimulation] Abad Alegría F, et al. **Rev Med Univ Navarra** 1981 Sep;25(3):38–40 (Spa)

DRUG EFFECTS

Change in somatosensory evoked potential in the rat recorded at the hemisphere with iron–induced epileptic focus. Hattori Y, et al. **Acta Med Okayama** 1981 Dec;35(6):431–3
Evoked potentials as objective parameters for the analgesic response of weak analgesics. Rohdewald P, et al. **Adv Neurol** 1982;32:375–81
Morphine–induced cortical excitation and its influence on thalamic somatosensory evoked activity. Soto–Moyano R, et al. **Arch Int Pharmacodyn Ther** 1981 Dec;254(2):214–22
Comparison of phenytoin and phenobarbital effects on far–field auditory and somatosensory evoked potential interpeak latencies. Green JB, et al. **Epilepsia** 1982 Aug; 23(4):417–21
Acrylamide neurotoxicity: effects on far–field somatosensory evoked potentials in rats. Boyes WK, et al. **Neurobehav Toxicol Teratol** 1981 Winter;3(4):487–90
Somatosensory dysfunction following acute trimethyltin exposure. Howell WE, et al. **Neurobehav Toxicol Teratol** 1982 Mar–Apr;4(2):197–201
Phenytoin prolongs far–field somatosensory and auditory evoked potential interpeak latencies. Green JB, et al. **Neurology (NY)** 1982 Jan;32(1):85–8
Alpha–receptor–mediated facilitation of somatosensory cortical neuronal responses to excitatory synaptic inputs and iontophoretically applied acetylcholine. Waterhouse BD, et al. **Neuropharmacology** 1981 Oct;20(10):907–20
Changes in cortical evoked potentials as correlates of the efficacy of weak analgesics. Rohdewald P, et al. **Pain** 1982 Apr;12(4):329–41
Effects of nitrous oxide inhalation on brain potentials evoked by auditory and noxious dental stimulation. Harkins SW, et al. **Prog Neuropsychopharmacol Biol Psychiatry** 1982; 6(2):167–74
[Effect of serotonin and its antagonists on the evoked responses of the dental zones of the rabbit cerebral cortex during stimulation of the dental pulp] Degtiarev VP, et al. **Farmakol Toksikol** 1981 Nov–Dec;44(6):664–6 (Rus)
[Effect of naloxone on somatosensory evoked potentials in congenital insensitivity to pain] Nuño–Licona A, et al. **Bol Med Hosp Infant Mex** 1981 Nov–Dec;38(6):881–6 (Eng. Abstr.) (Spa)

EVOKED POTENTIALS, VISUAL

Acoustically evoked potentials in the visual cortex and superior coliculus of the freely moving rat and their variability. Brankatschk J, et al. **Acta Biol Med Ger** 1981; 40(9):1153–59
Habituation of visually evoked potentials in children with brain damage sustained during early childhood. Cammann R, et al. **Acta Biol Med Ger** 1981;40(9):1181–5
Effects of background illumination of visually evoked responses of neurons in the Clare–Bishop area of the cat. Harutiunian–Kozak BA, et al. **Acta Neurobiol Exp (Warsz)** 1981;41(5):477–89
Diminution of cortical visually evoked potentials during the following eye–movement in the cat. Michalski A, et al. **Acta Neurobiol Exp (Warsz)** 1981;41(6):623–32
Pattern visual evoked potentials and brainstem auditory evoked responses in uremic patients. Rizzo PA, et al. **Acta Neurol Belg** 1982 Mar–Apr;82(2):72–9
Do visual evoked potentials give relevant information to the neuro–ophthalmological examination in optic nerve lesions? Nikoskelainen E, et al. **Acta Neurol Scand** 1982 Jul; 66(1):42–57
VER in intraocular hypertension. Short communication. Krogh E. **Acta Ophthalmol (Copenh)** 1980 Dec;58(6):929–32
Asymmetry of the visual evoked potentials of stimuli presented in different halves of the field and in the centre of the field. Gavrilenko T. **Acta Physiol Pharmacol Bulg** 1981;6(3):75–81
Visual evoked potentials in the formation of a temporal connection. Kostandov E, et al. **Acta Physiol Pharmacol Bulg** 1981;7(4):20–8
Diurnal variations in the cortical visual and auditory evoked potentials. Piperova–Dulbokova D, et al. **Acta Physiol Pharmacol Bulg** 1980;6(4):37–46
The pattern visual evoked potential in the clinical assessment of undiagnosed spinal cord disease. Blumhardt LD, et al. **Adv Neurol** 1982;32:463–71
A comparison of clinical neuroophthalmological findings and pattern shift visual evoked potentials in multiple sclerosis. Brooks EB, et al. **Adv Neurol** 1982;32:453–7
The pattern–reversal visual evoked potential in the clinical study of lesions of the optic chiasm and visual pathway. Camacho LM, et al. **Adv Neurol** 1982;32:49–59
Spatio–temporal study of visual evoked potentials in patients with homonymous hemianopia. Chain F, et al. **Adv Neurol** 1982;32:61–70
Variability on serial testing of visual evoked potentials in patients with multiple sclerosis. Cohen SN, et al. **Adv Neurol** 1982;32:559–65
Improved diagnostic yield in evaluation of multiple sclerosis using critical frequency of photic driving with pattern reversal–evoked potentials. Cohen SN, et al. **Adv Neurol** 1982;32:459–62
Course of visual evoked potentials in multiple sclerosis: electroclinical correlations and pathophysiological considerations in 25 patients. Confavreux C, et al. **Adv Neurol** 1982;32:541–50
Visual evoked potentials in aging of the brain. Cosi V, et al. **Adv Neurol** 1982;32:109–15
Visual and somesthetic potentials in neurolipidosis. d'Allest AM, et al. **Adv Neurol** 1982;32:397–407
Results of a prospective study on the value of combined visual, somatosensory, brainstem auditory evoked potentials and blink reflex measurements for disclosing subclinical lesions in suspected multiple sclerosis. Deltenre P, et al. **Adv Neurol** 1982;32:473–9
Multimodal evoked potentials in multiple sclerosis: basal and follow–up data. Gambi D, et al. **Adv Neurol** 1982;32:551–7
Problems in defining the normal limits of the visual evoked potential. Halliday AM, et al. **Adv Neurol** 1982;32:1–9
Visual evoked potentials in demyelinating disease. Halliday AM. **Adv Neurol** 1981;31:201–15
The visually evoked subcortical potential to flash stimulation in normal subjects and patients with lesions of the visual pathway. Harding GF, et al. **Adv Neurol** 1982;32:31–9
The visual evoked potential in hereditary optic atrophy. Harding GF, et al. **Adv Neurol** 1982;32:21–30
A modification of the visual evoked response method involving small luminance decrements for the diagnosis of demyelinating diseases. Hennerici M, et al. **Adv Neurol** 1982;32:433–41
Evaluation of cerebral function in newborn infants with fetal growth retardation. Hrbek A, et al. **Adv Neurol** 1982; 32:89–95
The value of a multimodal evoked potential approach in the diagnosis of multiple sclerosis. Kjaer M. **Adv Neurol** 1982; 32:507–12
The value of sequential evoked potential recordings in multiple sclerosis patients. Kjaer M. **Adv Neurol** 1982; 32:567–69
Pattern– and flash–evoked potential changes in toxic (nutritional) optic neuropathy. Kriss A, et al. **Adv Neurol** 1982;32:11–9
Visual evoked potentials in children with nonhemiplegic cerebral palsy. Laget P, et al. **Adv Neurol** 1982;32:97–107
Evoked potentials in the assessment of brain function in senile dementia. Laurian S, et al. **Adv Neurol** 1982;32:287–93
Exacerbation detection in multiple sclerosis by clinical and evoked potential techniques: a preliminary report. Likosky W, et al. **Adv Neurol** 1982;32:535–40
Pattern–reversal visual evoked potentials in reclassification of 472 MS patients. Lowitzsch K, et al. **Adv Neurol** 1982; 32:487–91
The optically evoked blink reflex in the diagnosis of multiple sclerosis. Malin JP, et al. **Adv Neurol** 1982;32:521–5
Multimodality evoked responses in leukodystrophies. Markand ON, et al. **Adv Neurol** 1982;32:409–16
Delayed visual evoked potentials in multiple sclerosis: interpretation of VEP latencies for follow–up studies. Mauguière F, et al. **Adv Neurol** 1982;32:443–52
Visual evoked potentials by central foveal and checkerboard reversal stimulation in multiple sclerosis. Oepen G, et al. **Adv Neurol** 1982;32:427–31
Huntington's disease: alterations of visual and somatosensory cortical evoked potentials in patients and offspring. Oepen G, et al. **Adv Neurol** 1982;32:141–7
Correlations between visual evoked potential parameters of 5–year–old children and their neonatal neurological condition. Poortinga K, et al. **Adv Neurol** 1982;32:81–7
Evoked brain potential differentiation between geriatric subjects and chronic alcoholics with brain dysfunction. Porjesz B, et al. **Adv Neurol** 1982;32:117–24
Visual evoked potentials and alcohol–induced brain damage. Posthuma J, et al. **Adv Neurol** 1982;32:149–55
Pattern evoked potential diagnosis of multiple sclerosis: a comparison of various contrast stimuli. Riemslag FC, et al. **Adv Neurol** 1982;32:417–26
Transient and steady state visual evoked potentials by checkerboard reversal pattern in renal diseases. Rossini PM, et al. **Adv Neurol** 1982;32:125–30
The visually evoked potential in retrochiasmatic lesions of the optic pathways: an attempt to interpret the responses obtained by flash pattern stimulation and the results of the calculation of the correlation coefficient between visually evoked potentials. Samson–Dollfus D, et al. **Adv Neurol** 1982;32:71–80
Visually evoked potentials in Friedreich's ataxia. Wenzel W, et al. **Adv Neurol** 1982;32:131–9
Measurement of visual evoked potential in the asphyctic fetus and during neonatal survival. Woods JR Jr, et al. **Am J Obstet Gynecol** 1982 Aug 15;143(8):944–51
The visual–evoked potential in the diagnosis of congenital ocular motor apraxia. Gittinger JW Jr, et al. **Am J Ophthalmol** 1982 Jun;93(6):700–3
Perceptual distortions in visual–evoked potentials. Klemm WR, et al. **Am J Ophthalmol** 1981 Nov;92(5):708–13
Abnormal visual–evoked potentials from eyes with optic nerve head drusen. Stevens RA, et al. **Am J Ophthalmol** 1981 Dec;92(6):857–62
Binocular facilitation in the visual–evoked potential of strabismic amblyopes. Apkarian P, et al. **Am J Optom Physiol Opt** 1981 Oct;58(10):820–30
Effect of accommodation on visually evoked response. Cornetta JV, et al. **Am J Optom Physiol Opt** 1981 Dec; 58(12):1174–9
Analysis of the effect of temporal frequency on the dichoptic visual–evoked response. Trick GL, et al. **Am J Optom Physiol Opt** 1982 Feb;59(2):155–61
The contribution of the central retina to the laser speckle visual evoked response. Trick GL, et al. **Am J Optom Physiol Opt** 1982 Mar;59(3):249–53
Multivariate analysis of color–evoked potentials. Wilson A, et al. **Am J Optom Physiol Opt** 1981 Dec;58(12):1207–22
Dopaminergic deficiency causes delayed visual evoked potentials in rats. Onofrj M, et al. **Ann Neurol** 1982 May; 11(5):484–90
Evoked potentials. **Ann NY Acad Sci** 1982;388:1–738
Simultaneous electroretinograms and evoked potentials. Armington JC. **Ann NY Acad Sci** 1982;388:572–9
The effects of visual field changes and ocular hypertension on the visual evoked potential. Bartl G. **Ann NY Acad Sci** 1982;388:227–42
The pattern–evoked potential in lesions of the posterior visual pathways. Blumhardt LD, et al. **Ann NY Acad Sci** 1982; 388:264–89
System diseases and visual evoked potential diagnosis in neurology: changes due to synaptic malfunction. Bodis–Wollner I, et al. **Ann NY Acad Sci** 1982;388:327–48
Roundtable session: the true binocular visual evoked potential: introduction. Bodis–Wollner I. **Ann NY Acad Sci** 1982;388:608–9
Stimulus control in visual evoked potentials and behavioral assessment of infant vision. Braddick O, et al. **Ann NY Acad Sci** 1982;388:642–4
Stimulus parameters and visual evoked potential diagnosis. Camisa J, et al. **Ann NY Acad Sci** 1982;388:645–7
Visual evoked responses and retinal eccentricity. Celesia GG, et al. **Ann NY Acad Sci** 1982;388:648–50
Steady–state and transient visual evoked potentials in clinical practice. Celesia GG. **Ann NY Acad Sci** 1982;388:290–307
Is linear analysis sufficient to reveal abnormalities of the visual system under dichoptic stimulation conditions? Fricker SJ, et al. **Ann NY Acad Sci** 1982;388:622–7
Binocular neurons and cyclopean visually evoked potentials in monkey and man. Julesz B, et al. **Ann NY Acad Sci** 1982;388:37–44
Spatial frequency effects on binocular interaction assessed with visual evoked potentials. Lennerstrand G, et al. **Ann NY Acad Sci** 1982;388:631–4
Chronotopographical study of the pattern–evoked response and binocular summation. Lesevre N. **Ann NY Acad Sci** 1982;388:635–41
Chronotopographical analysis of the human evoked potential in relation to the visual field (data from normal individuals and hemianopic patients). Lesevre N. **Ann NY Acad Sci** 1982;388:156–82
The pathophysiology of amblyopia: electrophysiological studies. Levi DM, et al. **Ann NY Acad Sci** 1982;388:243–63
Do visual evoked potentials studies reveal amblyopic abnormalities not readily apparent in psychophysical tests? Levi DM. **Ann NY Acad Sci** 1982;388:615–21

The relationship of visual evoked potentials to cortical physiology. Nakayama K. **Ann NY Acad Sci** 1982;388:21–36

Spatial frequency limitations in binocular neurons: visual evoked potential evidence. Nakayama K, et al. **Ann NY Acad Sci** 1982;388:610–4

Some new methods for the analysis of lateral interactions that influence the visual evoked potential. Ratliff F, et al. **Ann NY Acad Sci** 1982;388:113–24

Radial spatial patterns and multifrequency temporal patterns: possible clinical applications. Ratliff F. **Ann NY Acad Sci** 1982;388:651–6

Simultaneous pattern-reversal electroretinograms and visual evoked potentials in diseases of the macula and optic nerve. Sherman J. **Ann NY Acad Sci** 1982;388:214–26

Infant visual development: evoked potential estimates. Sokol S. **Ann NY Acad Sci** 1982;388:514–25

Problems of stimulus control in the measurement of peak latency of the pattern visual evoked potential. Sokol S. **Ann NY Acad Sci** 1982;388:657–61

Sequential analysis of the visual evoked potential system in man: nonlinear analysis of a sandwich system. Spekreijse H, et al. **Ann NY Acad Sci** 1982;388:72–97

Would an evaluation of binocularity using algebraic interaction between the two eyes be modified using the pseudorandom binary sequence method? Srebro R. **Ann NY Acad Sci** 1982;388:628–30

Pseudorandom sequences in the study of evoked potentials. Srebro R, et al. **Ann NY Acad Sci** 1982;388:98–112

Properties of localized pattern evoked potentials. Tyler CW, et al. **Ann NY Acad Sci** 1982;388:662–70

Pattern reversal visual evoked potentials. Studies in Charcot-Marie-Tooth hereditary neuropathy. Bird TD, et al. **Arch Neurol** 1981 Dec;38(12):739–41

The significance of luminance on visual evoked potentials in diagnosis of MS. Diener HC, et al. **Arch Psychiatr Nervenkr** 1982;231(2):149–54

Pattern shift visual evoked response: application in neurology. Guerreiro CA, et al. **Arq Neuropsiquiatr** 1982 Mar;40(1):14–20

Ocular electrophysiology: principles and clinical applications. Favilla I, et al. **Aust J Ophthalmol** 1981 May;9(2):163–7

Electrophysiological assessment of compressive lesions of anterior visual pathways. Stark DJ, et al. **Aust J Ophthalmol** 1981 May;9(2):135–41

Spatio-temporal cross-correlation analysis of catfish retinal neurons. Powers RL, et al. **Biol Cybern** 1981;41(3):179–96

Unilateral Versus bilateral electroconvulsive shock in albino rats: comparison of behavioral symptomatology and neocortical reactivity changes. Myslobodsky MS, et al. **Biol Psychiatry** 1982 Mar;17(3):363–80

Visual evoked potential habituation in mental deficiency. Psatta DM. **Biol Psychiatry** 1981 Aug;16(8):729–40

Task redundancy and an enhancement of the late positive components in human visual evoked potentials. Kitajima S, et al. **Biol Psychol** 1981 Mar–May;12(2–3):223–36

The influence of information on habituation of the 'Wiener' filtered visual even related potential and the skin conductance reaction. Woestenburg JC, et al. **Biol Psychol** 1981 Dec;13:189–201

Visually emitted potential and attentional processes. Cornu L, et al. **Boll Soc Ital Biol Sper** 1981 Oct 30;57(20):2067–73

The evolution of visual and auditory evoked potentials in infants with perinatal disorder. Hakamada S, et al. **Brain Dev** 1981;3(4):339–44

Early diagnosis of Myambutol (ethambutol) ocular toxicity by electrophysiological examination. Trau R, et al. **Bull Soc Belge Ophtalmol** 1981;193:201–12

Abnormal electroretinograms and visual evoked potentials in chronic papilledema using time-difference analysis. Kirkham TH, et al. **Can J Neurol Sci** 1981 Aug;8(3):243–8

Inherent characteristics of visual stimulus systems and their effect on the visual evoked potential. Barber C. **Clin Phys Physiol Meas** 1981 May;2(2):135–46

On the classification of single evoked potentials using a quadratic classifier. Aunon JI, et al. **Comput Programs Biomed** 1982 Feb;14(1):29–40

Spectral analysis: prediction and extrapolation. Childers DG, et al. **CRC Crit Rev Bioeng** 1981;6(2):133–75 (88 ref.)

LASCER Bode plots for normal, amblyopic, and stereoanomalous observers. Barris MC, et al. **Doc Ophthalmol** 1981 Nov;51(4):347–63

Dichoptic interaction of harmonically related spatial and temporal frequencies. Schmeisser ET, et al. **Doc Ophthalmol** 1982 May 14;53(1):37–50

Report of the committee on instrumentation and procedures in visual electrophysiology at the request of the Concilium Ophthalmologicum Universale. Van Der Tweel LH, et al. **Doc Ophthalmol** 1981 Nov;51(4):383–95

Pattern evoked cortical potentials and compressive lesions along the visual pathways. van Lith GH, et al. **Doc Ophthalmol** 1982 Jan 29;52(3–4):347–53

Binocular stimulation reveals cortical components of the human visual evoked potential. Bodis-Wollner I, et al. **Electroencephalogr Clin Neurophysiol** 1981 Oct; 52(4):298–305

Pattern evoked potentials in phenylketonuria. Creel D, et al. **Electroencephalogr Clin Neurophysiol** 1982 Feb; 53(2):220–3

Age differences in augmenting/reducing of occipital visually evoked potentials. Dustman RE, et al. **Electroencephalogr Clin Neurophysiol** 1982 Aug; 54(2):99–110

Hemi-field pattern reversal visual evoked potentials. II. Lesions of the chiasm and posterior visual pathways. Haimovic IC, et al. **Electroencephalogr Clin Neurophysiol** 1982 Aug; 54(2):121–31

Hemi-field pattern reversal visual evoked potentials. I. Normal subjects. Haimovic IC, et al. **Electroencephalogr Clin Neurophysiol** 1982 Aug; 54(2):111–20

Young infants' event-related potentials (ERPs) to familiar and unfamiliar visual and auditory events in a recognition memory task. Hofmann MJ, et al. **Electroencephalogr Clin Neurophysiol** 1981 Nov; 52(5):405–17

Acute visual evoked potential changes in hydrocephalus. McSherry JW, et al. **Electroencephalogr Clin Neurophysiol** 1982 Mar;53(3):331–3

Brain stem auditory, visual and somatosensory evoked potentials in leukodystrophies. Markand ON, et al. **Electroencephalogr Clin Neurophysiol** 1982 Jul;54(1):39–48

Visual evoked potentials in hemiparkinsonism. Mintz M, et al. **Electroencephalogr Clin Neurophysiol** 1981 Dec; 52(6):611–6

Short latency visual evoked potentials in man. Pratt H, et al. **Electroencephalogr Clin Neurophysiol** 1982 Jul; 54(1):55–62

Checkerboard reversal pattern and flash VEPs in dialysed and non-dialysed subjects. Rossini PM, et al. **Electroencephalogr Clin Neurophysiol** 1981 Nov; 52(5):435–44

The clinical utility of half-field pattern reversal visual evoked potential testing. Rowe MJ 3d. **Electroencephalogr Clin Neurophysiol** 1982 Jan;53(1):73–7

Visual evoked potentials and eye dominance. Seyal M, et al. **Electroencephalogr Clin Neurophysiol** 1981 Nov; 52(5):424–8

Pattern reversal evoked potential amplitudes: life span changes. Snyder EW, et al. **Electroencephalogr Clin Neurophysiol** 1981 Nov; 52(5):429–34

Dependence of visual evoked potentials on change of stimulated retinal area associated with different pattern displacements. Strucl M, et al. **Electroencephalogr Clin Neurophysiol** 1982 Jun; 53(6):634–42

Recovery of visual evoked potentials in optic neuritis. Kazis A, et al. **Electromyogr Clin Neurophysiol** 1982 Jan–Feb; 22(1–2):27–37

An 'oblique effect' in the visual evoked potential of the cat. Bonds AB. **Exp Brain Res** 1982;46(1):151–4

Surface distribution of steady-state cortical potentials evoked by visual half-field stimulation. Yanashima K. **Graefes Arch Clin Exp Ophthalmol** 1982;218(3):118–23

Nature of evoked EEG activity in the alpha-rhythm range. Zolotarev FYa. **Hum Physiol** 1981 Jul–Aug;7(4):246–51

Dipole localization of average and single visual evoked potentials. Sencaj RW, et al. **IEEE Trans Biomed Eng** 1982 Jan;29(1):26–33

Human pattern-evoked retinal responses are altered by optic atrophy. Dawson WW, et al. **Invest Ophthalmol Vis Sci** 1982 Jun;22(6):796–803

Visual-evoked responses elicited by the onset and offset of sinusoidal gratings: latency, waveform, and topographic characteristics. Parker DM, et al. **Invest Ophthalmol Vis Sci** 1982 May;22(5):675–80

Interocular luminance differences and the binocular pattern-reversal visual-evoked response. Trick GL, et al. **Invest Ophthalmol Vis Sci** 1982 Mar;22(3):394–401

Pattern evoked potentials in awake rhesus monkeys. van der Marel H, et al. **Invest Ophthalmol Vis Sci** 1981 Sep; 21(3):457–66

Visual evoked cortical potentials (V.E.C.P.) by television presentation of different patterned stimuli to patients with multiple sclerosis. Gambi D, et al. **Ital J Neurol Sci** 1980 Mar;1(2):101–6

The VER: a status report. An experimental but not clinically significant tool. Breen LA, et al. **J Clin Neuro Ophthalmol** 1981 Dec;1(4):277–8

Visual-evoked responses. A new abnormality with focal retinal damage. Greenberg HS. **J Clin Neuro Ophthalmol** 1981 Dec;1(4):273–5

Abnormal visual-evoked responses and opsoclonus. Jabbari B, et al. **J Clin Neuro Ophthalmol** 1981 Dec;1(4):269–71

Specific and nonspecific changes in visual evoked potentials during eyelid conditioning in the rabbit (Oryctolagus cuniculus). Walley RE. **J Comp Physiol Psychol** 1982 Feb; 96(1):12–25

Fever and evoked potentials in multiple sclerosis. Kazis A, et al. **J Neurol** 1982;227(1):1–10

Visual and somatosensory evoked potentials and F-wave latency measurements in hereditary neuropathy with liability to pressure palsies. Strenge H, et al. **J Neurol** 1982; 226(4):269–73

Pattern-onset visual evoked potentials in suspected multiple sclerosis. Aminoff MJ, et al. **J Neurol Neurosurg Psychiatry** 1981 Jul;44(7):608–14

Migraine patients exhibit abnormalities in the visual evoked potential. Connolly JF, et al. **J Neurol Neurosurg Psychiatry** 1982 May;45(5):464–7

Visual evoked potential diagnosis of field defects in patients with chiasmatic and retrochiasmatic lesions. Onofrj M, et al. **J Neurol Neurosurg Psychiatry** 1982 Apr;45(4):294–302

The visual evoked potential during development of focal epilepsy. Rosen AD, et al. **J Neurol Sci** 1982 Feb; 53(2):217–24

Visually-evoked potentials elicited by a light-emitting diode chronically implanted in the frontal sinus of the freely moving cat. Siguenza JA, et al. **J Neurosci Methods** 1982 Jan;5(1–2):173–9

Relationship between visual evoked potentials and intracranial pressure. York DH, et al. **J Neurosurg** 1981 Dec;55(6):909–16

Development of scotopic sensitivity and the absorption spectrum of the human ocular media. Werner JS. **J Opt Soc Am** 1982 Feb;72(2):247–58

Effects of photopic annulus luminance level on reaction time and on the latency of evoked cortical potential responses to target flashes. Wilson AJ, et al. **J Opt Soc Am** 1981 Dec;71(12):1481–6

Coincidence eye position device with applications in clinical psychophysics, eye-position training and visual evoked response recording. Genter CR 2d, et al. **Med Biol Eng Comput** 1981 Jul;19(4):509–13

Neurometric evaluation of epileptic children who do well and poorly in school. John ER, et al. **Monogr Neural Sci** 1981;5:46–55

Life-span alterations in visually evoked potentials and inhibitory function. Dustman RE, et al. **Neurobiol Aging** 1981 Fall;2(3):187–92

Life-span change in visually evoked potentials at central scalp. Dustman RE, et al. **Neurobiol Aging** 1981 Winter; 2(4):303–8

Evoked potentials in the evaluation of visual field defects due to chiasmal or retrochiasmal lesions. Maitland CG, et al. **Neurology (NY)** 1982 Sep;32(9):986–91

Visual evoked potentials in sarcoidosis. Streletz LJ, et al. **Neurology (NY)** 1981 Dec;31(12):1545–9

Neurophysiological study of newborns with hypocalcemia. Watanabe K, et al. **Neuropediatrics** 1982 Feb;13(1):34–8

A microcomputer-based averager. van Marle GW, et al. **Ophthalmic Res** 1982 Jan–Feb;14(1):22–8

Mutually coupled nonlinear oscillators as one origin of the VECP. Yanashima K, et al. **Ophthalmic Res** 1982 Jan–Feb; 14(1):5–8

Application of fast Fourier transform for perimetry using the visual evoked cortical potential. Yanashima K, et al. **Ophthalmic Res** 1982;14(3):188–94

Vulnerability of the rabbit eye to torsion and pulling-out — a functional study, monitored by ERG and VECP. Kawano S, et al. **Ophthalmic Surg** 1981 Nov;12(11):830–3

On and off contribution to the combined occipital on-off response to a pattern stimulus. Crevits L, et al. **Ophthalmologica** 1982 Mar;184(3):169–73

Normal values of the basic level of the standing potential and its light rise. Momirov D, et al. **Ophthalmologica** 1982 Apr;184(4):225–31

Information-processing load and variability of visual evoked potentials. Yagi A. **Percept Mot Skills** 1982 Jun;54(3):975–8

Averaging, selective averaging and latency-corrected averaging. Peregrin J, et al. **Pflugers Arch** 1981 Aug; 391(2):154–8

Evoked potentials and concept formation in man. Grinberg-Zylberbaum J, et al. **Physiol Behav** 1981 Oct; 27(4):749–51

Pattern visual evoked potentials in the rat. Onofrj M, et al. **Physiol Behav** 1982 Feb;28(2):227–30

Neurophysiological abnormalities in uraemic encephalopathy. Albertazzi A, et al. **Proc Eur Dial Transplant Assoc** 1981;18:652–7

VER similarity between alcoholic probands and their first-degree relatives. Buffington V, et al. **Psychophysiology** 1981 Sep;18(5):529–33

Event-related potentials to a change of pace in a visual sequence. Ford JM, et al. **Psychophysiology** 1982 Mar; 19(2):173–7

Multiple late positive potentials in two visual discrimination tasks. Friedman D, et al. **Psychophysiology** 1981 Nov; 18(6):635–49

Randomization test of paired data: application to evoked responses. Martin DC, et al. **Psychophysiology** 1981 Sep; 18(5):524–8

AERs and detection in tasks yielding U-shaped backward masking functions. Schwartz M, et al. **Psychophysiology** 1981 Nov;18(6):678–85

Electroretinography and visual evoked responses in paediatric practice. Leary PM, et al. **S Afr Med J** 1982 Apr 3;61(14):515–7

A comparison between auditory and visual evoked responses in multiple sclerosis. Djupesland G, et al. **Scand Audiol [Suppl]** 1981;13:135–7

Tectal processing of visual signals from the caudalmost part of the frog visual field. Gaillard F. **Vision Res** 1982; 22(3):347–51

Evoked potentials and reaction times to the offset and contrast reversal of sinusoidal gratings. Parker DM, et al. **Vision Res** 1982;22(1):205–7

Fractional recording and component analysis of primate LERG: separation of photoreceptor and other retinal potentials. Valeton JM, et al. **Vision Res** 1982;22(3):381–91

Intraretinal recordings of slow electrical responses to steady illumination in monkey: isolation of receptor responses and the origin of the light peak. Valeton JM, et al. **Vision Res** 1982;22(3):393–9

[A comparison of induced potential between normal subjects

and patients with Down's disease (author's transl)] Xu BH. **Chung Hua Shen Ching Ching Shen Ko Tsa Chih** 1979 Jun; 12(2):102–6 **(Chi)**

[Visual evoked responses after stimulation by regular and irregular reversal stimuli (author's transl)] Svěráková H, et al. **Cesk Oftalmol** 1982 Mar;38(2):72–5 (Eng. Abstr.) **(Cze)**

[Variation in individual visually evoked potentials in man] Peregrin J, et al. **Sb Ved Pr Lek Fak Univ Karlovy [Suppl]** 1981;24(1):99–113 (Eng. Abstr.) **(Cze)**

[Evoked potentials and structured stimulations] Grall Y, et al. **Bull Mem Soc Fr Ophtalmol** 1981;93:345–52 **(Fre)**

[Visual evoked potentials: a routine test in the diagnosis of multiple sclerosis] Franck H, et al. **Bull Soc Ophtalmol Fr** 1981 Oct;81(10):823–5 (Eng. Abstr.) **(Fre)**

[Visual evoked potentials in Parkinson's disease (author's transl)] Delwaide PJ, et al. **Rev Electroencephalogr Neurophysiol Clin** 1980 Oct–Dec; 10(4):338–42 (Eng. Abstr.) **(Fre)**

[Visual evoked responses with flash pattern in normal subjects (author's transl)] Samson-Dollfus D, et al. **Rev Electroencephalogr Neurophysiol Clin** 1981 Nov; 11(2):196–203 (Eng. Abstr.) **(Fre)**

[Clinical applications of visual evoked potentials for detection of chiasmal and postchiasmal lesions (author's transl)] Camacho LM, et al. **Arch Psychiatr Nervenkr** 1981; 230(3):243–56 (Eng. Abstr.) **(Ger)**

[Effect of nonperiodic stimulation on the variability of visual evoked cortical potentials] Stodtmeister R, et al. **Dev Ophthalmol** 1981;3:194–215 **(Ger)**

[Visual evoked potentials, contrast sensitivity and color perception in patients with optic nerve neuritis and multiple sclerosis] Bürki E. **Klin Monatsbl Augenheilkd** 1981 Sep; 179(3):161–8 (Eng. Abstr.) **(Ger)**

[Visually evoked cortical potentials (VECP) in patients with doubtful impairment of central vision (author's transl)] Groneberg A, et al. **Klin Monatsbl Augenheilkd** 1981 Sep; 179(3):173–6 (Eng. Abstr.) **(Ger)**

[Determination of visual acuity by the visually evoked cortical potential (author's transl)] Teping C. **Klin Monatsbl Augenheilkd** 1981 Sep;179(3):169–72 (Eng. Abstr.) **(Ger)**

[Visual evoked potentials and click-evoked brainstem potentials in early diagnosis of multiple sclerosis: statistics (author's transl)] Lehmann D, et al. **Nervenarzt** 1982 Jun; 53(6):327–32 (Eng. Abstr.) **(Ger)**

[Electroophthalmological findings in optic atrophies of different etiology (author's transl)] Teping C, et al. **Ophthalmologica** 1982 Jan;184(2):103–13 (Eng. Abstr.) **(Ger)**

[Visual evoked potentials from different unpatterned stimuli in normal subjects and subjects with multiple sclerosis] Cosi V, et al. **Boll Soc Ital Biol Sper** 1981 Sep 30;57(18):1905–10 (Eng. Abstr.) **(Ita)**

[Influence of freely moved fixation in the pattern field on VECP amplitudes (author's transl)] Adachi E, et al. **Nippon Ganka Gakkai Zasshi** 1982;86(4):333–6 (Eng. Abstr.) **(Jpn)**

[Transient pattern reversal VECPs in response to sinusoidally and square wave modulated stimuli (author's transl)] Adachi E, et al. **Nippon Ganka Gakkai Zasshi** 1982; 86(3):260–3 (Eng. Abstr.) **(Jpn)**

[Event related potentials (ERPs) by visual discrimination tasks. 3. Effects by aging (author's transl)] Bun J. **Nippon Ganka Gakkai Zasshi** 1982;86(5):553–6 (Eng. Abstr.) **(Jpn)**

[Event related potentials (ERPs) by visual discrimination tasks. 2. A comparative study of early and late components (author's transl)] Bun J. **Nippon Ganka Gakkai Zasshi** 1982; 86(5):547–52 (Eng. Abstr.) **(Jpn)**

[Contrast thresholds of subjects with refractive errors determined by means of the visually evoked cortical potentials. Comparison between emmetropia and myopia (author's transl)] Chiba J. **Nippon Ganka Gakkai Zasshi** 1981 Oct 10;85(10):1587–95 (Eng. Abstr.) **(Jpn)**

[Studies on the visual evoked potentials elicited by laser speckle pattern, (IV) Method of pattern modulation (author's transl)] Fukuhara J, et al. **Nippon Ganka Gakkai Zasshi** 1981 Oct 10;85(10):1559–66 (Eng. Abstr.) **(Jpn)**

[Studies on the VECP of TV pattern reversal: digital analysis of the VECP (author's transl)] Irie J. **Nippon Ganka Gakkai Zasshi** 1981 Jun 10;85(6):502–9 (Eng. Abstr.) **(Jpn)**

[Fourier analysis of flicker VEP (author's transl)] Ito M, et al. **Nippon Ganka Gakkai Zasshi** 1982;86(2):188–96 (Eng. Abstr.) **(Jpn)**

[Clinical studies on pattern reversal VECPs to stimulation of central octant fields (author's transl)] Kakisu Y, et al. **Nippon Ganka Gakkai Zasshi** 1981 Sep 10;85(9):1479–84 (Eng. Abstr.) **(Jpn)**

[Studies on electrically-evoked response of the visual system with alternating current (author's transl)] Kato S, et al. **Nippon Ganka Gakkai Zasshi** 1982;86(3):279–85 (Eng. Abstr.) **(Jpn)**

[Effect of contrast on binocular VECP (author's transl)] Katsumi O. **Nippon Ganka Gakkai Zasshi** 1982;86(4):341–7 (Eng. Abstr.) **(Jpn)**

[Experimental study of the optic nerve injury -VECPs with focal stimulation under the condition of Maxwellian view system (author's transl)] Kunita M. **Nippon Ganka Gakkai Zasshi** 1981 Jun 10;85(6):485–96 (Eng. Abstr.) **(Jpn)**

[Various factors in the visually evoked cortical potential triggered by saccadic eye movement (author's transl)] Kuroda J, et al. **Nippon Ganka Gakkai Zasshi** 1981 Oct 10;85(10):1541–7 (Eng. Abstr.) **(Jpn)**

[Simultaneous recording of local ERG and VER under direct fundus observation with infrared television fundus camera (author's transl)] Miyake Y, et al. **Nippon Ganka Gakkai Zasshi** 1981 Oct 10;85(10):1521–33 (Eng. Abstr.) **(Jpn)**

[Visually evoked potentials following seizure in the motor cortical kindled cat (author's transl)] Nakatsuka K, et al. **Nippon Ganka Gakkai Zasshi** 1981 Oct 10;85(10):1554–8 (Eng. Abstr.) **(Jpn)**

[A study of binocular VECP by fourier analysis (author's transl)] Oguchi Y, et al. **Nippon Ganka Gakkai Zasshi** 1981 Oct 10;85(10):1548–53 (Eng. Abstr.) **(Jpn)**

[First flash and second flash ERPs (early receptor potentials) in diabetic retinopathy (author's transl)] Tamai A, et al. **Nippon Ganka Gakkai Zasshi** 1982;86(5):484–8 (Eng. Abstr.) **(Jpn)**

[Objective perimetry by visual evoked cortical potential. Characteristics of field location and binocular effect (author's transl)] Tsutsui J, et al. **Nippon Ganka Gakkai Zasshi** 1981 Oct 10;85(10):1567–73 (Eng. Abstr.) **(Jpn)**

[A neurophysiological study of experimental esotropia in cats. 1. Pattern reversal and luminance VECP (author's transl)] Yokoyama T, et al. **Nippon Ganka Gakkai Zasshi** 1981 Oct 10;85(10):1574–80 (Eng. Abstr.) **(Jpn)**

[A study on the visual evoked potentials in depressive patients (author's transl)] Onda H. **Nippon Ika Daigaku Zasshi** 1982 Apr;49(2):179–90 (Eng. Abstr.) **(Jpn)**

[Interhemispheric functional relationships in chronic alcoholism] Arzumanov IuL, et al. **Zh Nevropatol Psikhiatr** 1981;81(9):1367–71 (Eng. Abstr.) **(Rus)**

[Visual evoked potentials in multiple sclerosis patients] Sokolova LI. **Zh Nevropatol Psikhiatr** 1982;82(2):183–8 (Eng. Abstr.) **(Rus)**

[Bilateral disorders in the perceptual function of the brain in patients with unilateral lesions as a result of acute cerebral circulatory disorders] Sumskiĭ LI, et al. **Zh Nevropatol Psikhiatr** 1982;82(1):23–7 (Eng. Abstr.) **(Rus)**

[Visual evoked potentials in cerebral contusions] Lebedev VV, et al. **Zh Vopr Neirokhir** 1981 May–Jun;(3):16–20 (Eng. Abstr.) **(Rus)**

[Visual cortex evoked potentials in the inhibitory and active phases of a delayed conditioned reflex in cats] Dorokhov VB, et al. **Zh Vyssh Nerv Deiat** 1981 Jul–Aug;31(4):855–8 **(Rus)**

[Changes in the configuration of primary responses of the visual cortex upon increasing the intensity of background acoustic stimuli over threshold values] Filimonov VK, et al. **Zh Vyssh Nerv Deiat** 1981 Jul–Aug;31(4):852–4 **(Rus)**

[Visual evoked potentials of nestlings exposed to natural signals of different biological qualities] Khaiutin SN, et al. **Zh Vyssh Nerv Deiat** 1981 May–Jun;31(3):643–6 **(Rus)**

[Visual evoked potentials of fledglings to ecologically significant stimuli] Khaiutin SN, et al. **Zh Vyssh Nerv Deiat** 1981 Jul–Aug;31(4):829–38 (Eng. Abstr.) **(Rus)**

[Frequency structure of evoked potentials to light in different regions of the human cerebral cortex] Shchekut'ev GA, et al. **Zh Vyssh Nerv Deiat** 1981 Jul–Aug;31(4):845–7 **(Rus)**

[The effect of antibodies induced by antigens from neuronal and glial tissue of the geniculate bodies on cerebral evoked potentials and behavior] Cupić D, et al. **Glas Srp Akad Nauka [Med]** 1980;315(32):129–43 **(Scc)**

[The visual evoked potentials in multiple sclerosis (author's transl)] Cardesin R, et al. **Arch Neurobiol (Madr)** 1981 May–Jun;44(3):149–62 (Eng. Abstr.) **(Spa)**

[Visual evoked potentials in multiple sclerosis and parkinsonism] Morales G, et al. **Rev Med Univ Navarra** 1981 Sep;25(3):30–4 **(Spa)**

DRUG EFFECTS

Early effects of sodium iodate on the directly recorded standing potential of the eye and on the c-wave of the DC registered electroretinogram in albino rabbits. Textorius O, et al. **Acta Ophthalmol (Copenh)** 1981 Jun; 59(3):359–68

Dopaminergic deficiency and delayed visual evoked potentials in humans. Bodis-Wollner I, et al. **Ann Neurol** 1982 May;11(5):478–83

EP components, visual processing stages, and the effect of a barbiturate. Frowein HW, et al. **Biol Psychol** 1981 Dec; 13:239–49

Effects of xylene and alcohol on human visual evoked potentials. Seppäläinen AM, et al. **Dev Toxicol Environ Sci** 1980;8:83–6

Effects of ethanol on visual evoked responses in monkeys performing a memory task. Fuster JM, et al. **Electroencephalogr Clin Neurophysiol** 1982 Jun; 53(6):621–33

Suppression by sodium valproate of gamma-vinyl GABA-induced facilitation of visual evoked potentials in rats. Myslobodsky MS, et al. **Electroencephalogr Clin Neurophysiol** 1981 Nov; 52(5):445–50

Nitrous oxide influences pattern EP estimate of visual acuity. van der Marel H, et al. **Graefes Arch Clin Exp Ophthalmol** 1982;218(5):250–2

Benzodiazepine antagonists abolish electrophysiological effects of sodium valproate in the rat. Morag M, et al. **Life Sci** 1982 May 10;30(19):1671–7

Triethyltin: ambient temperature alters visual system toxicity. Dyer RS, et al. **Neurobehav Toxicol Teratol** 1982 Mar–Apr; 4(2):267–71

Visual system dysfunction following acute trimethyltin exposure in rats. Dyer RS, et al. **Neurobehav Toxicol Teratol** 1982 Mar–Apr;4(2):191–5

Acute triethyltin exposure: effects on the visual evoked potential and hippocampal afterdischarge. Dyer RS, et al. **Neurobehav Toxicol Teratol** 1982 Mar–Apr;4(2):259–66

Dose effects of pentobarbital on evoked potentials in visual cortex and superior colliculus of the albino rat. Hetzler BE, et al. **Neuropharmacology** 1981 Oct;20(10):969–78

Neuroleptic drug effects on average evoked response augmentation–reduction in rats. Tasman A, et al. **Neuropsychobiology** 1981;7(6):292–6

Neonatal triethyltin exposure alters adult electrophysiology in rats. Dyer RS, et al. **Neurotoxicology (Park Forest Il)** 1981 Dec;2(4):609–23

Early effects of methylmercury on the visual evoked response of the dog. Mattsson JL, et al. **Neurotoxicology (Park Forest Il)** 1981 Nov;2(3):499–514

Pharmacologic analysis of sodium valproate-induced suppression of secondary components of visual evoked potentials in albino rats. Myslobodsky MS, et al. **Pharmacol Biochem Behav** 1981 Nov;15(5):681–5

Differential effects of LSD serotonin and l-tryptophan on visually evoked responses. Strahlendorf JC, et al. **Pharmacol Biochem Behav** 1982 Jan;16(1):51–5

A comparison of levodopa treatment and task demands on visual evoked potentials in hemi-parkinsonism. Mintz M, et al. **Psychiatry Res** 1982 Apr;6(2):245–51

[Effect of DL-tryptophan on photic evoked potentials and basic activity of the EEG] Wenzel J, et al. **Acta Biol Med Ger** 1982;41(2–3):241–9 (Eng. Abstr.) **(Ger)**

[Effect of alcohol on interhemispheric functional relations] Kostandov EA, et al. **Zh Vyssh Nerv Deiat** 1981 May–Jun; 31(3):451–63 (Eng. Abstr.) **(Rus)**

EVOLUTION

Evolution of human alpha 2-macroglobulin. Starkey PM. **Acta Biol Med Ger** 1981;40(10–11):1555–9

The endocytobiotic cell theory and the periodic system of cells. Schwemmler W. **Acta Biotheor (Leiden)** 1982; 31(1):45–68

Type-concept, higher classification and evolution. van der Hammen L. **Acta Biotheor (Leiden)** 1981;30(1):3–48

Towards an alternative evolution model. van Waesberghe H. **Acta Biotheor (Leiden)** 1982;31(1):3–28

Feedback selection and the evolution of modifiers. Wagner GP. **Acta Biotheor (Leiden)** 1981;30(2):79–102

Molecular evolution in papova viruses and in bacteriophages. Soeda E, et al. **Adv Biophys (Tokyo)** 1982;15:1–17 (25 ref.)

Concept of genetic and evolutionary polyposis coli. Yokoyama S. **Am J Hum Genet** 1981 Nov;33(6):995–8

Chemicals, evolution, and cancer development: Rous-Whipple Award Lecture. Farber E. **Am J Pathol** 1982 Sep;108(3):270–5

The good enough calculi of evolving control systems: evolution is not engineering. Partridge LD. **Am J Physiol** 1982 Mar;242(3):R173–7

The evolutionary development of vertebrate thermoregulation. Crawshaw LI, et al. **Am Sci** 1981 Sep–Oct;69(5):543–50

Evolution, relaxin and insulin: a new perspective. Schwabe C, et al. **Ann NY Acad Sci** 1982;380:6–12

Skeletal DNA and the evolution of genome size. Cavalier-Smith T. **Annu Rev Biophys Bioeng** 1982; 2:273–302 (150 ref.)

Evolutionary significance of accessory DNA elements in bacteria. Campbell A. **Annu Rev Microbiol** 1981;35:55–83 (115 ref.)

The evolution of peptide hormones. Niall HD. **Annu Rev Physiol** 1982;44:615–24 (32 ref.)

The evolution and phylogeny of collagen. Bairati A Jr. **Basic Appl Histochem** 1981;25(4):279–82

Evolutionary genetics of birds. V. Genetic distances within Mimidae (mimic thrushes) and vireonidae (Vireos). Avise JC, et al. **Biochem Genet** 1982 Feb;20(1–2):95–104

Evolutionary significance of the renal excretion of transferrin half-molecule fragments. Williams J, et al. **Biochem J** 1982 Feb 1;201(2):417–9

Changes in the substrate specificities of an enzyme during directed evolution of new functions. Hall BG. **Biochemistry** 1981 Jul 7;20(14):4042–9

Primary sequence of wheat mitochondrial 5S ribosomal ribonucleic acid: functional and evolutionary implications. Spencer DF, et al. **Biochemistry** 1981 Jul 7;20(14):4022–9

Conference on cellular evolution. **Biosystems** 1981; 14(3–4):229–499

Stepwise molecular evolution of bacterial photosynthetic energy conversion. Baltscheffsky H. **Biosystems** 1981;

14(1):49–56
Metalloproteins in the evolution of photosynthesis. Cammack R, et al. **Biosystems** 1981;14(1):57–80
Natural selection and the evolution of neutralism. Conrad M. **Biosystems** 1982;15(1):83–5
What are the taxonomic and evolutionary relationships of the Protozoa to the Protista? Corliss JO. **Biosystems** 1981; 14(3–4):445–9
Microtubule turnover as a mechanism of mitosis and its possible evolution. Goode D. **Biosystems** 1981; 14(3–4):271–87
The coupling ATPase complex: an evolutionary view. Harris DA. **Biosystems** 1981;14(1):113–21
Obligatory amino acids in primitive proteins. Kolaskar AS, et al. **Biosystems** 1982;15(2):105–9
Evolution of uphill electron transfer. Krasnovsky AA. **Biosystems** 1981;14(1):81–7
Tubulin sequence conservation. Little M, et al. **Biosystems** 1981;14(3–4):239–46
Comparative structure and chemistry of tubulins from different eukaryotes. Luduena RF, et al. **Biosystems** 1981; 14(3–4):231–8
Protist kinetids: structural conservatism, kinetid structure, and ancestral states. Lynn DH, et al. **Biosystems** 1981; 14(3–4):377–85
Evolution of photosynthetic reaction centers. Olson JM. **Biosystems** 1981;14(1):89–94
Searching and gradualness. Rada R. **Biosystems** 1981; 14(2):219–26
Evolution and gradualness. Rada R. **Biosystems** 1981; 14(2):211–8
Evolutionary search: gradients and information. Rada R. **Biosystems** 1982;15(2):169–77
H+ transport in the evolution of photosynthesis. Raven JA, et al. **Biosystems** 1981;14(1):95–111
Solute transport at the plasmalemmma and the early evolution of cells. Raven JA, et al. **Biosystems** 1982; 15(1):13–26
Some aspects of the origin of diatoms and their subsequent evolution. Round FE. **Biosystems** 1981;14(3–4):483–6
Evolution of the control of pigment and plastid development in photosynthetic organisms. Schiff JA. **Biosystems** 1981; 14(1):123–47
Flagellar beat patterns and their possible evolution. Sleigh MA. **Biosystems** 1981;14(3–4):423–31
A new macrosystem for the phylum Ciliophora doflein, 1901. Small EB, et al. **Biosystems** 1981;14(3–4):387–401
Presence of intranuclear micro cables in a primitive dinoflagellate protist: morphological description and discussion of their possible evolutionary significance. Soyer MO. **Biosystems** 1981;14(3–4):299–304
Chromosome structure and mitosis in the dinoflagellates: an ultrastructural approach to an evolutionary problem. Spector DL, et al. **Biosystems** 1981;14(3–4):289–98
On a global representation of dynamical characteristics in ESS-models. Thomas B, et al. **Biosystems** 1982; 15(2):141–53
Brain evolution in extinct South American ungulates. Radinsky L. **Brain Behav Evol** 1981;18(4):169–87
An evaluation of mitochondrial tRNA gene evolution and its relation to the genetic code. Cedergren RJ. **Can J Biochem** 1982 Apr;60(4):475–9
The Ayerst Award Lecture 1981/La Conférence Ayerst 1981. Doolittle WF. **Can J Biochem** 1982 Feb;60(2):83–90 (74 ref.)
Mitochondrial genome diversity and the evolution of mitochondrial DNA. Gray MW. **Can J Biochem** 1982 Mar; 60(3):157–71 (185 ref.)
Study of the evolution of the genetic code by comparing the structural and catalytic properties of the aminoacyl-tRNA synthetases. Lapointe J. **Can J Biochem** 1982 Apr;60(4):471–4
Comparative sequence analysis as an approach to evaluating structure, function, and evolution of 5S and 5.8S ribosomal RNAs. MacKay RM, et al. **Can J Biochem** 1982 Apr; 60(4):480–9
Evolutionary mechanisms for eucaryotic genes. O'Malley BW, et al. **Cardiovasc Res Cent Bull** 1980 Oct–Dec; 19(2):41–55
SOS functions, cancer and inducible evolution. Echols H. **Cell** 1981 Jul;25(1):1–2 (16 ref.)
Two distinct classes of keratin genes and their evolutionary significance. Fuchs EV, et al. **Cell** 1981 Nov;27(1 Pt 2):75–84
The untranslated regions of beta-globin mRNA evolve at a functional rate in higher primates. Martin SL, et al. **Cell** 1981 Sep;25(3):737–41
Karyotype evolution and sex chromosome differentiation in Schistosomes (Trematoda, Schistosomatidae). Grossman AI, et al. **Chromosoma** 1981;84(3):413–30
Long and short repeats of sea urchin DNA and their evolution. Moore GP, et al. **Chromosoma** 1981;84(1):19–32
Genes are things you have whether you want them or not. Sapienza C, et al. **Cold Spring Harbor Symp Quant Biol** 1980;45 Pt 1:177–82
The evolving tRNA molecule. Cedergren RJ, et al. **CRC Crit Revbiochem** 1981;11(1):35–104 (245 ref.)
Presidential address. Primitive man in a modern world. Ayres SM. **Crit Care Med** 1982 Mar;10(3):145–8
Gonadal cell lineages of the nematode Panagrellus redivivus and implications for evolution by the modification of cell lineage. Sternberg PW, et al. **Dev Biol** 1981 Nov; 88(1):147–66
Evolution of the major histocompatibility complex. I. Survival of autologous, allogeneic and xenogeneic red blood cells in the lizard Uliqua rugosa. Williams VM, et al. **Dev Comp Immunol** 1981 Fall;5(4):629–38
On the evolution of neurochemical transmission. Trams EG. **Differentiation** 1981;19(3):125–33 (64 ref.)
Drug-metabolizing enzymes as evolutionary probes. Jondorf WR. **Drug Metab Rev** 1981;12(2):379–430 (277 ref.)
The conservation of DNA sequences over very long periods of evolutionary time. Evidence against intergeneric chromosomal transfer as an explanation for the presence of Escherichia coli tuf gene sequences in taxonomically-unrelated prokaryotes. Filer D, et al. **Eur J Biochem** 1981 Nov;120(1):69–77
Evolution of developmental rate in mammals. Economos AC. **Exp Gerontol** 1982;17(2):153–8
Gastrin and the transforming protein of polyoma virus have evolved from a common ancestor. Baldwin GS. **FEBS Lett** 1982 Jan 11;137(1):1–5
Mature 23 SrRNA of prokaryotes appears homologous with the precursor of 25—28 rRNA of eukaryotes: comments on the evolution of 23—28 rRNA. Cox RA, et al. **FEBS Lett** 1981 Jul 20;130(1):1–6
Evolutionary significance of the phylogenetic distribution of the mammalian hypothalamic releasing hormones. Jackson IM. **Fed Proc** 1981 Sep;40(11):2545–52
Aspects of evolutionary parasitology. Lebedev BI. **Folia Parasitol (Praha)** 1982;29(2):97–105
Chromosomal evolution in 'lemurs'. VI. Chromosomal banding studies of Galago senegalensis, Galago alleni, Galago demidovii and Euoticus elegantulus. Dutrillaux B, et al. **Folia Primatol (Basel)** 1982;37(3–4):280–96
Phylogeny and the problem of adaptative significance: the case of the earliest primates. Szalay FS. **Folia Primatol (Basel)** 1981;36(3–4):157–82
A review of current concepts on the evolution of the human foot. Laitman JT, et al. **Foot Ankle** 1982 Mar;2(5):284–90
The evolution of hormonal systems—a report on the Leopoldina Symposium 1981. Walker RJ. **Gen Pharmacol** 1981;12(6):429–31
Nikolai Wladimirovich Timoféeff-Ressovsky, (1900–1981). **Genetics** 1982 Jan;100(1):1–5
Evolutionary relationships among five subspecies of Mus musculus based on restriction enzyme cleavage patterns of mitochondrial DNA. Yonekawa H, et al. **Genetics** 1981 Aug;98(4):801–16
Monkey laws in the courts. Annas GJ. **Hastings Cent Rep** 1982 Apr;12(2):22–3
Are the genes of universal grammar more than structural? Hansen O. **Hereditas** 1981;95(2):213–8
The evolution of XY females in mammals. Bull JJ, et al. **Heredity (Edinburgh)** 1981 Dec;47(Pt 3):347–65
Evolution of Drosophila on the newer Hawaiian volcanoes. Carson HL. **Heredity (Edinburgh)** 1982 Feb;48(Pt 1):3–25 (49 ref.)
Biomolecular evidence on human origins from the standpoint of Darwinian theory. Goodman M. **Hum Biol** 1982 May; 54(2):247–64
Evolution of HLA antigenic determinants: species cross-reactions of monoclonal antibodies. Brodsky FM, et al. **Immunogenetics** 1982;15(2):151–66
Rearrangements of immunoglobulin genes during differentiation and evolution. Honjo T, et al. **Immunol Rev** 1981;59:33–67 (59 ref.)
Possible role of aminoacetonitrile as condensing agent in chemical evolution. Kamaluddin, et al. **Indian J Biochem Biophys** 1981 Jun;18(3):215–8
Evolutionary aspects of cell differentiation. Flickinger RA. **Int Rev Cytol** 1982;75:229–41 (89 ref.)
Primary structure of the chromosomal origins (oriC) of Enterobacter aerogenes and Klebsiella pneumoniae: comparisons and evolutionary relationships. Cleary JM, et al. **J Bacteriol** 1982 Jun;150(3):1467–71
The sequence of a mouse embryonic beta-globin gene. Evolution of the gene and its signal region. Hansen JN, et al. **J Biol Chem** 1982 Jan 25;257(2):1048–52
Evolution of human immunoglobulin kappa J region genes. Hieter PA, et al. **J Biol Chem** 1982 Feb 10;257(3):1516–22
The nucleotide sequences of rearranged and germline immunoglobulin VH genes of a mouse myeloma MC101 and evolution of VH genes in mouse. Kataoka T, et al. **J Biol Chem** 1982 Jan 10;257(1):277–85
Sickle gene. Its origin and diffusion from West Africa. Mears JG, et al. **J Clin Invest** 1981 Sep;68(3):606–10
Studies of digit regeneration and their implications for theories of development and evolution of vertebrate limbs. Stock GB, et al. **J Exp Zool** 1981 Jun;216(3):423–33
Evolution of the beta-globin gene cluster in man and the primates. Barrie PA, et al. **J Mol Biol** 1981 Jul 5; 149(3):319–36
Organization and evolutionary progress of a dispersed repetitive family of sequences in widely separated rodent genomes. Brown SD, et al. **J Mol Biol** 1981 Aug 25; 150(4):441–66
Estimating evolutionary distance from restriction maps of mitochondrial DNA with arbitrary G+C content. Aoki K, et al. **J Mol Evol** 1981;18(1):1–8
Molecular evolution of Drosophila and higher Diptera. I. Micro-complement fixation studies of a larval hemolymph protein. Beverley SM, et al. **J Mol Evol** 1982;18(4):251–64
Mitochondrial DNA sequences of primates: tempo and mode of evolution. Brown WM, et al. **J Mol Evol** 1982; 18(4):225–39
Simulation of protein evolution by random fixation of allowed codons. Coates M, et al. **J Mol Evol** 1981; 17(6):311–28
The density distribution of gene loci over the genetic map of Escherichia coli: its structural, functional and evolutionary implications. De Martelaere DA, et al. **J Mol Evol** 1981;17(6):354–60
Comets: chemistry and chemical evolution. Donn B. **J Mol Evol** 1982;18(3):157–60
Evolutionary trees from DNA sequences: a maximum likelihood approach. Felsenstein J. **J Mol Evol** 1981; 17(6):368–76
The old REH theory remains unsatisfactory and the new REH theory is problematical – a reply to Holmquist and Jukes. Fitch WM. **J Mol Evol** 1981;18(1):60–7
The current status of REH theory. Holmquist R, et al. **J Mol Evol** 1981;18(1):47–59
Evolutionary distances in Hawaiian Drosophila measured by DNA reassociation. Hunt JA, et al. **J Mol Evol** 1981; 17(6):361–7
Amino acid codes in mitochondria as possible clues to primitive codes. Jukes TH. **J Mol Evol** 1981;18(1):15–7
The photochemistry of the paleoatmosphere. Levine JS. **J Mol Evol** 1982;18(3):161–72
Hemoglobins, XLVIIII. The primary structure of a monomeric hemoglobin from the hagfish, Myxine glutinosa L.: evolutionary aspects and comparative studies of the function with special reference to the heme linkage. Liljeqvist G, et al. **J Mol Evol** 1982;18(2):102–8
Origin of life between Scylla and Charybdis. Niesert U, et al. **J Mol Evol** 1981;17(6):348–53
Assessment of similarities of pairs and groups of proteins using transformed amino-acid-residue data. Reisner AH, et al. **J Mol Evol** 1982;18(4):240–50
N-Terminal polyhedrin sequences and occluded Baculovirus evolution. Rohrmann GF, et al. **J Mol Evol** 1981; 17(6):329–33
Between history and physics. Smith TF, et al. **J Mol Evol** 1982;18(4):265–82
Studies on the evolutionary relationships between hemoglobins in Chironomus pallidivittatus and C. tentsans. I. Isolation and immunological analysis of monomeric and dimeric hemoglobins. Tichy H, et al. **J Mol Evol** 1981; 18(1):9–14
Psychiatric disorders in the context of evolutionary biology. A functional classification of behavior. McGuire MT, et al. **J Nerv Ment Dis** 1981 Nov;169(11):672–86
Psychiatric disorders in the context of evoolutionary biology. An ethological model of behavioral changes associated with psychiatric disorders. McGuire MT, et al. **J Nerv Ment Dis** 1981 Nov;169(11):687–704
Prebiotic evolution: conformational perspectives. Burgess AW. **J Theor Biol** 1982 May 7;96(1):21–38
Evolutionarily stable strategies for localized dispersal in two dimensions. Comins HN. **J Theor Biol** 1982 Feb 7; 94(3):579–606
Replaceability of amino acids and the self-facilitation of evolution. Conrad M, et al. **J Theor Biol** 1981 Oct 7; 92(3):293–9
Optical activity and evolution. Gladyshev GP, et al. **J Theor Biol** 1981 May 21;90(2):191–8
Classical thermodynamics, tandemism and biological evolution. Gladyshev GP. **J Theor Biol** 1982 Jan 21; 94(2):225–39
Principles of the thermodynamics of biological systems. Gladyshev GP, et al. **J Theor Biol** 1982 Jan 21;94(2):301–43
Learning the evolutionarily stable strategy. Harley CB. **J Theor Biol** 1981 Apr 21;89(4):611–33
A practical method for calculating evolutionary trees from sequence data. Klotz LC, et al. **J Theor Biol** 1981 Jul 21; 91(2):261–72
On the coevolution of pathogen and host: I. General theory of discrete time coevolution. Lewis JW. **J Theor Biol** 1981 Dec 21;93(4):927–51
On the coevolution of pathogen and host: II. Selfing hosts and haploid pathogens. Lewis JW. **J Theor Biol** 1981 Dec 21;93(4):953–85
Evolutionary rate of the mammalian karyotype. Maruyama T, et al. **J Theor Biol** 1981 May 7;90(1):111–21
Probability of life. Rareness of realization in evolution. Noda H. **J Theor Biol** 1982 Mar 7;95(1):145–50
On the increase in complexity in Evolution II. The relativity of complexity and the principle of minimum increase. Saunders PT, et al. **J Theor Biol** 1981 Jun 21;90(4):515–30
A note on the evolution of sexual dimorphism. Schuster P, et al. **J Theor Biol** 1982 Jan 7;94(1):107–10
Diploidy and sex as the selective advantages for retaining genes transferred from mitochondrial and plastid ancestors in the nuclear genome. Thornley AL, et al. **J Theor Biol** 1981 Aug 7;91(3):515–23
The minimum number of mutations in an evolutionary network. Wagner HJ. **J Theor Biol** 1981 Aug 21; 91(4):621–36
TIMA part 1. TIMA as a paradigm for the evolution of molecular complementarities and macromolecules. Wassermann GD. **J Theor Biol** 1982 May 7;96(1):77–86
On the 'cytosociology' of enzyme action in vivo: a novel thermodynamic correlate of biological evclution. Welch GR, et al. **J Theor Biol** 1981 Dec 21;93(4):701–35
On the evolution of anisogamy from isogamous monoecy

and on the origin of sex. Wiese L. **J Theor Biol** 1981 Apr 21;89(4):573–80
On the applicability of game theory to evolution: a response. Williams SM. **J Theor Biol** 1981 Aug 21;91(4):603–5
Evidence for an early evolutionary origin and locus polymorphism of mouse VL30 DNA sequences. Courtney MG, et al. **J Virol** 1982 Aug;43(2):511–8
Endogenous type C retroviral sequences of mice are organized in a small number of virus-like classes and have been acquired recently. Dolberg DS, et al. **J Virol** 1981 Oct;40(1):96–106
Mechanisms of gene evolution. Leder P. **JAMA** 1982 Oct 1;248(13):1582–91
Polymorphism and evolution of the Rh blood groups. Nei M, et al. **Jinrui Idengaku Zasshi** 1981 Dec;26(4):263–78
Evolution of genes by Epimethean hindsight. (The Japan Society of Human Genetics Award Lecture). Ohno S. **Jinrui Idengaku Zasshi** 1981 Jun;26(2):97–9
Evolutionary loss of ascorbic acid synthesis: how it may have enhanced the survival interests of man. Calabrese EJ. **Med Hypotheses** 1982 Feb;8(2):173–5
On the origin of biological systems and the role of poly-nucleotides — the initiation of evolution, the structural basis of the genetic code and the mechanism of protein biosynthesis. Thomas BR. **Med Hypotheses** 1981 Apr;7(4):455–66
Obesity in evolutionary perspective. Thong YH. **Med Hypotheses** 1982 May;8(5):431–5
Evolution of serum lipoproteins in the animal series. Cucu F, et al. **Med Interne** 1981 Jul–Sep;19(3):299–306
Human evolution and insulin-dependent (IDD) and non-insulin dependent diabetes (NIDD). Cahill GF Jr. **Metabolism** 1979 Apr;28(4 Suppl 1):389–93 (36 ref.)
The evolution of a complex eucaryotic gene. O'Malley BW, et al. **Metabolism** 1982 Jul;31(7):646–53
Has the endosymbiont hypothesis been proven? Gray MW, et al. **Microbiol Rev** 1982 Mar;46(1):1–42 (488 ref.)
Evolution of receptor cells. Cytological, membranous and molecular levels. Vinnikov YA. **Mol Biol Biochem Biophys** 1982;34:1–141 (675 ref.)
Relationships between specialized cells, capillaries and intermediary cytofibrillary elements. XVth note. Biological evolution of the respiratory stereotype and subsystem in aquatic vertebrates. Mârza VD. **Morphol Embryol (Bucur)** 1981 Oct–Dec;27(4):283–97
Evolution and the human tail: a case report. Ledley FD. **N Engl J Med** 1982 May 20;306(20):1212–5
The evolutionary origins of hormones, neurotransmitters, and other extracellular chemical messengers: implications for mammalian biology. Roth J, et al. **N Engl J Med** 1982 Mar 4;306(9):523–7 (45 ref.)
Hominoid evolution [news] Andrews P. **Nature** 1982 Jan 21; 295(5846):185–6
The relationships of Sivapithecus and Ramapithecus and the evolution of the orang-utan. Andrews P, et al. **Nature** 1982 Jun 17;297(5867):541–6 (44 ref.)
Secondary structure and evolution of ribosomal RNA [news] Brimacombe R. **Nature** 1981 Nov 19;294(5838):209–10
Evolution and molecular biology [news] Brown AL. **Nature** 1982 Aug 26;298(5877):793–4
Phylogenetic origins and adaptive evolution of avian and mammalian haemoglobin genes. Czelusniak J, et al. **Nature** 1982 Jul 15;298(5871):297–300
Molecular drive: a cohesive mode of species evolution. Dover G. **Nature** 1982 Sep 9;299(5879):111–7
Intragenic amplification and divergence in the mouse alpha-fetoprotein gene. Eiferman FA, et al. **Nature** 1981 Dec 24;294(5843):713–8
Positive selection causes purifying selection [letter] Goodman M. **Nature** 1982 Feb 18;295(5850):630
How not to measure inclusive fitness [news] Grafen A. **Nature** 1982 Jul 29;298(5873):425–6
Female mate choice and runaway sexual selection [news] Harvey PH, et al. **Nature** 1982 Jun 17;297(5867):533–4
Processes of gene duplication [news] Jeffreys AJ, et al. **Nature** 1982 Mar 4;296(5852):9–10
Fossil mammals and artefacts from the Middle Awash Valley, Ethiopia. Kalb JE, et al. **Nature** 1982 Jul 1;298(5869):25–9
Evolution of early mechanisms of translation of genetic information into polypeptides. Kuhn H, et al. **Nature** 1982 Aug 5;298(5874):585–6
Evolution of rRNA and origin of mitochondria. Küntzel H, et al. **Nature** 1981 Oct 29;293(5835):751–5
The impact, transmission and evolution of infectious diseases [news] May RM. **Nature** 1982 Jun 17;297(5867):539–40
The century since Darwin [letter] Maynard-Smith J. **Nature** 1982 Apr 15;296(5858):599–601
Recent divergence from a common ancestor of human IFN-alpha genes. Miyata T, et al. **Nature** 1982 Jan 14; 295(5845):165–8
Testing the theory of evolution by comparing phylogenetic trees constructed from five different protein sequences. Penny D, et al. **Nature** 1982 May 20;297(5863):197–200
New hominoid skull material from the Miocene of Pakistan. Pilbeam D. **Nature** 1982 Jan 21;295(5846):232–4
Gene families, hopeful monsters and the selfish genetics of dna [news] Robertson M. **Nature** 1981 Oct 1; 293(5831):333–4
The evolutionary past of the major histocompatibility complex and the future of cellular immunology [news] Robertson M. **Nature** 1982 Jun 24;297(5868):629–32
Complex allotypes of rat kappa chains are encoded by structural alleles. Sheppard HW, et al. **Nature** 1981 Oct 22;293(5834):669–71
Deoxyribonucleotide synthesis and the emergence of DNA in molecular evolution. Follmann H. **Naturwissenschaften** 1982 Feb;69(2):75–81
Evolution and longevity-assurance processes. Hart RW, et al. **Naturwissenschaften** 1981 Nov;68(11):552–7
Rat beta casein cDNA: sequence analysis and evolutionary comparisons. Blackburn DE, et al. **Nucleic Acids Res** 1982 Apr 10;10(7):2295–307
The complete nucleotide sequence of the chick a-actin gene and its evolutionary relationship to the actin gene family. Fornwald JA, et al. **Nucleic Acids Res** 1982 Jul 10; 10(13):3861–76
The nucleotide sequence of rat alpha-tubulin: 3'-end characteristics, and evolutionary conservation. Ginzburg I, et al. **Nucleic Acids Res** 1981 Jun 25;9(12):2691–7
Sequence homologies between eukaryotic 5.8S rRNA and the 5' end of prokaryotic 23S rRNa: evidences for a common evolutionary origin. Jacq B. **Nucleic Acids Res** 1981 Jun 25;9(12):2913–32
Primary and secondary structures of chicken, rat and man nuclear U4 RNAs. Homologies with U1 and U5 RNAs. Krol A, et al. **Nucleic Acids Res** 1981 Jun 25;9(12):2699–716
A member of a new repeated sequence family which is conserved throughout eucaryotic evolution is found between the human delta and beta globin genes. Miesfeld R, et al. **Nucleic Acids Res** 1981 Nov 25;9(22):5931–47
The DNA sequence of the 5' flanking region of the human beta-globin gene: evolutionary conservation and polymorphic differences. Moschonas N, et al. **Nucleic Acids Res** 1982 Mar 25;10(6):2109–20
Human immunoglobulin heavy chain genes: evolutionary comparisons of C mu, C delta and C gamma genes and associated switch sequences. Rabbitts TH, et al. **Nucleic Acids Res** 1981 Sep 25;9(18):4509–24
3'-Terminal sequence of wheat mitochondrial 18S ribosomal RNA: further evidence of a eubacterial evolutionary origin. Schnare MN, et al. **Nucleic Acids Res** 1982 Jul 10; 10(13):3921–32
Clustering and methylation of repeated DNA: persistence in avian development and evolution. Sobieski DA, et al. **Nucleic Acids Res** 1981 Nov 25;9(22):6001–15
A model for the enantiomeric enrichment of polypeptides on the primitive earth. Blair NE, et al. **Orig Life** 1981 Dec; 11(4):331–5
A working hypothesis on the interdependent genesis of nucleotide bases, protein amino acids, and primitive genetic code. Egami F. **Orig Life** 1981 Sep;11(3):197–202
Molecular complexes of amino acids with porphyrins as possible precursors of pigment-protein systems. Kolesnikov MP, et al. **Orig Life** 1981 Sep;11(3):223–31
Origins of translation: the hypothesis of permanently attached adaptors. Tyagi S. **Orig Life** 1981 Dec;11(4):343–51
Constant AMP synthesis in aqueous solution by electric discharges. Yamagata Y, et al. **Orig Life** 1981 Sep; 11(3):233–5
Distribution and immunochemical character of neurotensin-like material in representative vertebrates and invertebrates: apparent conservation of the COOH-terminal region during evolution. Carraway R, et al. **Peptides (Fayetteville)** 1982 Mar–Apr;3(2):115–23
Evolutionary aspects of 'brain-gut peptides': an immunohistochemical study. Fujita T, et al. **Peptides (Fayetteville)** 1981;2 Suppl 2:123–31 (29 ref.)
The relevance of sociobiology for mental illness. Gambill JD. **Perspect Biol Med** 1981 Autumn;25(1):155–65
Segmented genome viruses and the evolutionary potential of asymmetrical sex. Kilbourne ED. **Perspect Biol Med** 1981 Autumn;25(1):66–77
History and structure in biology. Webster G, et al. **Perspect Biol Med** 1981 Autumn;25(1):39–62
Some physical, mathematical and evolutionary aspects of biological pattern formation. Gierer A. **Philos Trans R Soc Lond [Biol]** 1981 Oct 7;295(1078):429–40
The primary structure of carp myoglobin in the context of molecular evolution. Romero-Herrera AE, et al. **Philos Trans R Soc Lond [Biol]** 1982 Apr 15;297(1084):1–25
The TPc, the avian substantia nigra: pharmacology and behavior. Rieke GK. **Physiol Behav** 1982 May;28(5):755–63
Kinetoplast DNA in the insect trypanosomes Crithidia luciliae and Crithidia fasciculata. II. Sequence evolution of the minicircles. Hoeijmakers JH, et al. **Plasmid** 1982 May;7(3):210–20
Kinetoplast DNA in the insect trypanosomes Crithidia luciliae and Crithidia fasciculata. I. Sequence evolution and transcription of the maxicircle. Hoeijmakers JH, et al. **Plasmid** 1982 May;7(3):199–209
Primary structure and evolution of rat growth hormone gene. Barta A, et al. **Proc Natl Acad Sci USA** 1981 Aug; 78(8):4867–71
Novel features of animal mtDNA evolution as shown by sequences of two rat cytochrome oxidase subunit II genes. Brown GG, et al. **Proc Natl Acad Sci USA** 1982 May; 79(10):3246–50
Evolutionary conservation of DNA polymerase beta structure. Chang LM, et al. **Proc Natl Acad Sci USA** 1982 Feb;79(3):758–61
Structured habitats and the evolution of anticompetitor toxins in bacteria. Chao L, et al. **Proc Natl Acad Sci USA** 1981 Oct;78(10):6324–8
Glucocorticoid hormone resistance during primate evolution: receptor-mediated mechanisms. Chrousos GP, et al. **Proc Natl Acad Sci USA** 1982 Mar;79(6):2036–40
Ochotona princeps (pika) myoglobin: an appraisal of lagomorph phylogeny. Dene H, et al. **Proc Natl Acad Sci USA** 1982 Mar;79(6):1917–20
Extensive polymorphism in the mitochondrial DNA of apes. Ferris SD, et al. **Proc Natl Acad Sci USA** 1981 Oct; 78(10):6319–23
Evolution of alkaline phosphatases in primates. Goldstein DJ, et al. **Proc Natl Acad Sci USA** 1982 Feb;79(3):879–83
Evidence that a high molecular weight replicative DNA polymerase is conserved during evolution. Hübscher U, et al. **Proc Natl Acad Sci USA** 1981 Nov;78(11):6771–5
Possibility of extensive neutral evolution under stabilizing selection with special reference to nonrandom usage of synonymous codons. Kimura M. **Proc Natl Acad Sci USA** 1981 Sep;78(9):5773–7
Highly conserved glucose-regulated protein in hamster and chicken cells: preliminary characterization of its cDNA clone. Lee AS, et al. **Proc Natl Acad Sci USA** 1981 Aug; 78(8):4922–5
Molecular evolution, intracellular organization, and the quinary structure of proteins. McConkey EH. **Proc Natl Acad Sci USA** 1982 May;79(10):3236–40
Extraordinarily high evolutionary rate of pseudogenes: evidence for the presence of selective pressure against changes between synonymous codons. Miyata T, et al. **Proc Natl Acad Sci USA** 1981 Sep;78(9):5739–43
Intracellular potassium: 40K as a primordial gene irradiator. Moore FD, et al. **Proc Natl Acad Sci USA** 1982 Jun; 79(11):3556–9
Isolation and characterization of rat skeletal muscle and cytoplasmic actin genes. Nudel U, et al. **Proc Natl Acad Sci USA** 1982 May;79(9):2763–7
Original domain for the serum albumin family arose from repeated sequences. Ohno S. **Proc Natl Acad Sci USA** 1981 Dec;78(12):7657–61
Identification of the 48-base-long primordial building block sequence of mouse immunoglobulin variable region genes. Ohno S, et al. **Proc Natl Acad Sci USA** 1982 Mar; 79(6):1999–2002
Origin of evolutionary novelty in proteins: how a high-cysteine chorion protein has evolved. Rodakis GC, et al. **Proc Natl Acad Sci USA** 1982 Jun;79(11):3551–5
Sequence of galR gene indicates a common evolutionary origin of lac and gal repressor in Escherichia coli. von Wilcken-Bergmann B, et al. **Proc Natl Acad Sci USA** 1982 Apr;79(8):2427–31
Overlapping evolutionary affinities revealed by comparison of amino acid compositions. Yeh WK, et al. **Proc Natl Acad Sci USA** 1982 Jun;79(12):3794–7
Decoding the pattern of protein evolution. Goodman M. **Prog Biophys Mol Biol** 1981;38(2):105–64 (205 ref.)
The anatomy of hominization. Tobias PV. **Prog Clin Biol Res** 1981;59B:101–10
The problem of missing links: today and yesterday. Olson EC. **Q Rev Biol** 1981 Dec;56(4):405–42 (169 ref.)
Life and the cosmological problem. Arcidiacono G. **Riv Biol** 1981 Autumn;74(3):309–21 **(Eng, Ita)**
Some current aspects of the origin of Man. Capecchi V. **Riv Biol** 1981 Autumn;74(3):323–41 **(Eng, Ita)**
The myth of human evolution. Durant JR. **Riv Biol** 1981; 74(1–2):125–51 **(Eng, Ita)**
Proposal of a 'spiral' mechanism of evolution. Giuditta A. **Riv Biol** 1982 Spring;75(1):13–31 **(Eng, Ita)**
The four theories of evolution. I. The theories on the reality and on the history of evolution. Løvtrup S. **Riv Biol** 1982 Spring;75(1):53–66 **(Eng, Ita)**
On descent. Sermonti G. **Riv Biol** 1981 Autumn;74(3):269–74 **(Eng, Ita)**
Similar amino acid sequences: chance or common ancestry? Doolittle RF. **Science** 1981 Oct 9;214(4517):149–59
Events in the evolution of pre-proinsulin. Douthart RJ, et al. **Science** 1982 Aug 20;217(4561):729–32
Darwinism and the expansion of evolutionary theory. Gould SJ. **Science** 1982 Apr 23;216(4544):380–7
Rapid evolution of RNA genomes. Holland J, et al. **Science** 1982 Mar 26;21:(4540):1577–85 (98 ref.)
Seeds of change in embryonic development [news] Lewin R. **Science** 1981 Oct 2;214(4516):42–4
Evolutionary history written in globin genes [news] Lewin R. **Science** 1981 Oct 23;214(4519):426–7, 429
A response to creationism evolves [news] Lewin R. **Science** 1981 Nov 6;214(4521):635–6, 638
Molecules come to Darwin's aid [news] Lewin R. **Science** 1982 Jun 4;216(4550):1091–2
How did humans evolve big brains? [news] Lewin R. **Science** 1982 May 21;216(4548):840–1
Darwin died at a most propitious time [news] Lewin R. **Science** 1982 Aug 20;217(4561):717–8
Biology is not postage stamp collecting [interview by R. Lewin] Mayr E. **Science** 1982 May 14;216(4547):718–20
Living with water stress: evolution of osmolyte systems. Yancey PH, et al. **Science** 1982 Sep 24;217(4566):1214–22
The origin of man: a chromosomal pictorial legacy. Yunis JJ, et al. **Science** 1982 Mar 19;215(4539):1525–30
Perspectives on the evolution of hemoglobin. Coates M, et al. **Tex Rep Biol Med** 1980–81;40:9–22 (76 ref.)
Influenza A virus evolution: complete sequences of influenza A/NT/60/68 RNA segment 3 and its predicted acidic P polypeptide compared with those of influenza A/PR/8/34. Bishop DH, et al. **Virology** 1982 Jul 30;120(2):481–9

Evolutionary variants of mouse adenovirus containing cellular DNA sequences. Larsen SH. **Virology** 1982 Jan 30;116(2):573–80

Body composition and nutrient reserves in evolutionary perspective. Stini WA. **World Rev Nutr Diet** 1981;37:55–83 (50 ref.)

[Evolution of the social life] Novák VJ. **Cesk Fysiol** 1981; 30(6):481–95 **(Cze)**

[Experimental reproduction of the process of alteration of the dental surface by abrasive and non-abrasive friction: application to the study of the diet of early man] Puech PF, et al. **C R Seances Acad Sci [III]** 1981 Nov 9; 293(9):497–502 (Eng. Abstr.) **(Fre)**

[Evolution of the symphyseal part of juvenile Homo sapiens mandibles from the Middle Paleolithic period: Pech de l'Azé 1, Roc de Marsal and La Chaise 13] Tillier AM. **C R Seances Acad Sci [III]** 1981 Nov 9;293(9):493–5 (Eng. Abstr.) **(Fre)**

[Investigation of human cytogenetics for research on human evolution] Bullerdiek J, et al. **Anthropol Anz** 1982 Jun; 40(2):81–9 (Eng. Abstr.) **(Ger)**

[Synthetic method of evaluating evolutionary manifestations] Rabl R. **Gegenbaurs Morphol Jahrb** 1982;128(2):125–36 (Eng. Abstr.) **(Ger)**

[Hemoglobins, XLVII. Hemoglobins of the bar-headed goose (Anser indicus): primary structure and physiology of respiration, systematic and evolution] Oberthür W, et al. **Hoppe Seylers Z Physiol Chem** 1982 Jun;363(6):581–90 (Eng. Abstr.) **(Ger)**

[Evolution of the structural and functional principles of vertebrate lungs (author's transl)] Duncker HR. **Verh Anat Ges** 1981;75(Pt 1):279–303 (Eng. Abstr.) **(Ger)**

[Some questions on 'classification and evolution'] Adams AE. **ZFA (Stuttgart)** 1981 Nov 10;57(31):2170–1 **(Ger)**

[Further studies of the theory of nervous decussations. I. The phylogenic organization of the optic chiasm] Disertori B, et al. **Ann Osp Maria Vittoria Torino** 1980 Jul–Dec; 23(7–12):241–57 (Eng. Abstr.) **(Ita)**

[Evolution and the methodology of the biological sciences] Sermonti G. **Med Secoli** 1981;18(2):193–200 **(Ita)**

[Debate on evolutionism] Omodeo P, et al. **Riv Biol** 1981 Autumn;74(3):359–400 (Eng. Abstr.) **(Ita)**

[Evolution of the larynx from the viewpoint of comparative anatomy] Toyozumi R. **Nippon Jibiinkoka Gakkai Kaiho** 1981 May;84(5):575–8 **(Jpn)**

[A comment on the evolution of urea cycle (author's transl)] Matsuzawa T. **Seikagaku** 1981;53(5):333–6 **(Jpn)**

[Molecular evolution of hemoglobin (author's transl)] Takei H, et al. **Tanpakushitsu Kakusan Koso** 1980 Dec; 25(13):1053–68 **(Jpn)**

[Evolutionary dispositon of the thoracic extremities and the fate of the coracoids and scapulae in vertebrates] Manzil SF, et al. **Arkh Anat Gistol Embriol** 1981 Jul;81(7):20–8 (Eng. Abstr.) **(Rus)**

[Evolution of cartilage in the skeletons of ancient anamniotes] Vorob'eva EI. **Arkh Anat Gistol Embriol** 1981 Jun; 80(6):83–7 (Eng. Abstr.) **(Rus)**

[Patterns in the biological code and its possible evolution] Maslov SIu. **Biofizika** 1981 Jul–Aug;26(4):632–5 (Eng. Abstr.) **(Rus)**

[Comparative analysis of evolution of Eigen's hypercycles and microbial populations in open systems] Pechurkin NS, et al. **Biofizika** 1982 Mar–Apr;27(2):297–303 (Eng. Abstr.) **(Rus)**

[Sexual dimorphism and the evolution of the duration of ontogeny and its stages] Geodakian VA. **Dokl Akad Nauk SSSR** 1982;263(6):1475–80 **(Rus)**

[Evolutionary changes in the genetic code, predictable on basis of the hypothesis of physical predetermination of the structure of codon bases] Sukhodolets VV. **Genetika (Moskva)** 1982 Mar;18(3):499–502 (Eng. Abstr.) **(Rus)**

[Evolutionary dynamics of the epithelial formations of the esophageal tract in light of Severtsov's theory of phyloembryogenesis] Bazhanov AN, et al. **Usp Sovrem Biol** 1981 Sep–Oct;92(2):294–10 (87 ref.) **(Rus)**

[Immunity in the evolution of multicellular animals] Galaktionov VG. **Usp Sovrem Biol** 1982 Jan–Feb; 93(1):149–65 (96 ref.) **(Rus)**

[Formation of biosynthetic systems for higher saturated fatty acids in the evolutionary process] Alimova EK, et al. **Zh Evol Biokhim Fiziol** 1982 Mar–Apr;18(2):178–83 **(Rus)**

[Evolutionary patterns of the loss of amino acid biosynthesis in animals] Konyshev VA. **Zh Evol Biokhim Fiziol** 1982 May–Jun;18(3):296–9 (Eng. Abstr.) **(Rus)**

[Evolution of the structural and cytochemical organization of the taste buds in vertebrates] Pevzner RA. **Zh Evol Biokhim Fiziol** 1981 Sep–Oct;17(5):486–91 (Eng. Abstr.) **(Rus)**

[Hypothesis of possible evolution and functional specialization based on the recombination and transposition of elementary functional blocks] Ugolev AM. **Zh Evol Biokhim Fiziol** 1982 Jan–Feb;18(1):11–26 (125 ref.) (Eng. Abstr.) **(Rus)**

[Evolution of the brain and the reflection of time: its relation to continuous development in the ontogeny of the neuronal memory systems] Vasilevskiĭ NN. **Zh Evol Biokhim Fiziol** 1982 May–Jun;18(3):229–37 (59 ref.) **(Rus)**

[Evolutionary and genetic problems in human and animal behavior] Krushinskiĭ LV. **Zh Nevropatol Psikhiatr** 1982; 82(3):18–22 (Eng. Abstr.) **(Rus)**

[Theoretical analysis of protein coevolution in the phage–bacteria system. A deterministic model of the separate microevolutionary stage] Rodin SN, et al. **Zh Obshch Biol** 1982 Mar–Apr;43(2):175–85 (Eng. Abstr.) **(Rus)**

[The evolution of human nutrition] Jaffé WG. **Arch Latinoam Nutr** 1981 Mar;31(1):13–24 (Eng. Abstr.) **(Spa)**

EWING'S TUMOR see **SARCOMA, EWING'S**

EXANTHEMA

CHEMICALLY INDUCED

[Leukocytoclastic vasculitis due to drug allergy presenting as generalized pustular exanthema] Röckl H. **Hautarzt** 1981 Sep;32(9):467–70 (Eng. Abstr.) **(Ger)**

[Drug-induced exanthemas] Ring J. **MMW** 1982 Mar 19; 124(11):97–8, 100–1 **(Ger)**

[Amoxicillin (Imacillin) induced exanthema. What happens during the continued use?] Odegaard OR. **Tidsskr Nor Laegeforen** 1981 Dec 10;101(34–36):1973 (Eng. Abstr.) **(Nor)**

DIAGNOSIS

A concise review: common viral exanthems and enanthems. Behbehani AM. **J Kans Med Soc** 1981 Oct;82(10):442–6

ETIOLOGY

Exanthema fixum due to ultraviolet radiation. Langeland J. **Acta Derm Venereol (Stockh)** 1982;62(2):169–71

Ockelbo disease: epidemic arthritis–exanthema syndrome in Sweden caused by Sindbis-virus like agent [letter] Skogh M, et al. **Lancet** 1982 Apr 3;1(8275):795–6

[Fever of unknown origin with arthralgia and exanthema, herpes labialis, encephalopathy with myoclonus, acute kidney failure (clinical conference)] Strohmeyer G, et al. **Internist (Berlin)** 1981 Sep;22(9):568–77 **(Ger)**

[Exanthemas with fever – in infections – and childhood diseases – in drug therapy] Schwanitz HJ, et al. **ZFA (Stuttgart)** 1981 Oct 31;57(30):2045–52 **(Ger)**

OCCURRENCE

[An epidemic of a benign exanthema (erythema infectiosum) in a pediatric community] Doušová J, et al. **Cesk Pediatr** 1981 Apr;36(4):189–91 (Eng. Abstr.) **(Cze)**

[Epidemic exanthematous disease in a neonatal ward] Filtenborg JA, et al. **Ugeskr Laeger** 1981;143(34):2133–7 (Eng. Abstr.) **(Dan)**

PATHOLOGY

Viral exanthems. Cherry JD. **DM** 1982 May;28(8):1–56

[Variability of exanthema in systemic lupus erythematosus (author's transl)] Vranes M. **Z Hautkr** 1981 Sep 1; 56(17):1140–9 (Eng. Abstr.) **(Ger)**

EXANTHEMA SUBITUM

DIAGNOSIS

[Generalized non-bacterial exanthematous pustulosis or generalized pustular psoriasis in children. Two case-reports (author's transl)] Massicot P, et al. **Ann Pediatr (Paris)** 1982 Jan;29(1):60–3 (Eng. Abstr.) **(Fre)**

EXCHANGE TRANSFUSION, WHOLE BLOOD

Effect of exchange transfusion on serum reserve albumin for binding of bilirubin and index of serum bilirubin toxicity. Ebbesen F. **Acta Paediatr Scand** 1981 Sep;70(5):643–8

Extreme leukocytosis successfully managed by double-volume exchange transfusion in an infant with T-cell leukemia. Dickerman JD. **Am J Dis Child** 1982 Jul; 136(7):643–4

Management of sickle hemoglobinopathies in pregnant patients. Miller JM Jr, et al. **Am J Obstet Gynecol** 1981 Oct 1;141(3):237–41

Evaluation in newborn children of calcium administration during exchange transfusion. Jasso-Gutiérrez L, et al. **Arch Invest Med (Mex)** 1982;13(2):73–7 passim **(Eng, Spa)**

Microrheological aspects in extreme leukocytotic acute childhood leukemia. Klose HJ, et al. **Bibl Haematologica** 1981;47:258–63

Exchange transfusion. Sacher RA, et al. **Clin Lab Med** 1981 Jun;1(2):265–83 (129 ref.)

Effect of exchange transfusion on serum gentamicin concentrations. Fuquay D, et al. **Dev Pharmacol Ther** 1981; 3(4):214–21

Exchange transfusion in newborns: rapid fall of plasma thyroid hormones and attenuated TSH response up to 48 hours. Strbák V, et al. **Endocrinol Exp (Bratisl)** 1982 Mar; 16(1):33–42

Transfused immunoglobulin E in newborns. Hamburger RN, et al. **J Allergy Clin Immunol** 1982 Aug;70(2):143–5

Exchange transfusion using G-6-PG deficient or Hgb-AS blood in icteric neonates. Olowe SA, et al. **J Natl Med Assoc** 1981 Sep;73(9):811–9

Aminoglycoside overdose in neonates [letter] Bolam DL, et al. **J Pediatr** 1982 May;100(5):835

Exchange transfusion in leukemia with hyperleukocytosis [letter] Del Vasto F, et al. **J Pediatr** 1982 Jun;100(6):1000

Serum calcitonin response to administration of calcium in newborn infants during exchange blood transfusion. Dincsoy MY, et al. **J Pediatr** 1982 May;100(5):782–6

Exchange transfusion in neonatal myasthenia. Pasternak JF, et al. **J Pediatr** 1981 Oct;99(4):644–6

The hematocrit of reconstituted blood for exchange transfusion in newborn infants. Sotelo-Avila C, et al. **J Pediatr** 1982 Jun;100(6):971–2

Exchange transfusion in acute chloramphenicol toxicity. Stevens DC, et al. **J Pediatr** 1981 Oct;99(4):651–3

Abnormal auditory brainstem response in a newborn infant with hyperbilirubinemia: improvement with exchange transfusion. Wennberg RP, et al. **J Pediatr** 1982 Apr; 100(4):624–6

Hemoglobin solution: is a normal [Hb] or P50 more important? Gould SA, et al. **J Surg Res** 1982 Sep; 33(3):189–93

Anti-C haemolytic disease requiring intrauterine and exchange transfusion. Baker JW, et al. **Med J Aust** 1981 Sep 19;2(6):296

Exchange transfusion in treatment of sepsis [letter] Lemos L. **Pediatrics** 1981 Sep;68(3):471–2

Blood exchange with pyridoxalated and polymerized hemoglobin solution. DeVenuto F, et al. **Surg Gynecol Obstet** 1982 Sep;155(3):342–6

Effect of exchange transfusion on reserve bilirubin binding capacity (RBBC) [letter] Banagale RC. **Transfusion** 1982 Jul–Aug;22(4):343

Successful exchange transfusion of an infant for AIHA developing late in mother's pregnancy. Lawe JE. **Transfusion** 1982 Jan–Feb;22(1):66–8

[Lipid homeostasis in newborn infants during exchange transfusion for jaundice. Study of 24 cases] Rambaud P, et al. **Pediatrie** 1981 Dec;36(8):601–10 (Eng. Abstr.) **(Fre)**

[Indications for blood exchange transfusion in newborn infants with hyperbilirubinemia] Meisel P, et al. **Kinderarztl Prax** 1981 Sep;49(9):449–59 (Eng. Abstr.) **(Ger)**

[Blood chemical parameters in newborn infants with fetal erythroblastosis during exchange transfusion] Macchia A, et al. **Minerva Ginecol** 1981 Jun;33(6):548–53 **(Ita)**

[Exchange transfusion in severe bacterial infections in preterm newborn infants] Colonna F, et al. **Minerva Pediatr** 1982 Mar 15;34(5):203–6 (Eng. Abstr.) **(Ita)**

[Reye's syndrome: pathogenetic problems (author's transl)] Sabetta G, et al. **Pediatr Med Chir** 1981 Nov–Dec; 3(6):555–7 (Eng. Abstr.) **(Ita)**

ADVERSE EFFECTS

Blood transfusion: a possible risk factor in retrolental fibroplasia. Clark C, et al. **Acta Paediatr Scand** 1981 Jul; 70(4):537–9

Posttransfusion syndrome. Rash, eosinophilia, and thrombocytopenia following intrauterine and exchange transfusions. Chudwin DS, et al. **Am J Dis Child** 1982 Jul; 136(7):612–4

Morbidity due to exchange transfusion with heat-hemolyzed blood. Vaughan RL. **Am J Dis Child** 1982 Jul;136(7):646–8

Effects of exchange transfusion on platelet counts. Jasso-Gutiérrez L, et al. **Arch Invest Med (Mex)** 1981; 12(3):297–306 **(Eng, Spa)**

Probable graft-vs-graft reaction in an infant after exchange transfusion and marrow transplantation. Lauer BA, et al. **Pediatrics** 1982 Jul;70(1):43–7

Catheter tip localization during umbilical venous exchange transfusion and necrotizing enterocolitis. Thangavel M, et al. **Pediatrics** 1982 Jun;69(6):799–800

METHODS

Midtrimester intrauterine exchange transfusion of the fetus. MacKenzie IZ, et al. **Am J Obstet Gynecol** 1982 Jul 1; 143(5):555–9

Isovolumetric partial exchange transfusion in the management of sickle cell disease in pregnancy. Nagey DA, et al. **Am J Obstet Gynecol** 1981 Oct 15;141(4):403–7

Aortic and mitral valve replacement after sickle cell crisis [letter] Ingram CT, et al. **Anesth Analg (Cleve)** 1982 Sep; 61(9):802

Exchange transfusion in newborns via a peripheral artery and vein. Sagi E, et al. **Eur J Pediatr** 1981 Nov;137(3):283–4

The role of postnatal age and magnesium on parathyroid hormone responses during 'exchange' blood transfusion in the newborn period. Dincsoy MY, et al. **J Pediatr** 1982 Feb;100(2):277–83

Neonatal hyperviscosity. II. Effect of partial plasma exchange transfusion. Goldberg K, et al. **Pediatrics** 1982 Apr; 69(4):419–25

The formulation of volume of exchange and hematocrit of blood [letter] Sotelo-Avila C, et al. **Transfusion** 1982 May–Jun;22(3):260

[Total body wash-out in the treatment of hepatic coma. Clinical and experimental studies] Dobosz J.

Pol Tyg Lek 1981 Sep 14;36(37):1439–42 **(Pol)**
[Means of decreasing the surgical risk in massive exchange replacement of the blood] Zhuravlev VA, et al.
Vestn Khir 1982 Feb;128(2):114–7 **(Rus)**

TRENDS

[Changing trends in exchange transfusion in newborn infants] Boda D. **Orv Hetil** 1982 May 23;123(21):1271–6 **(Hun)**

EXCIPIENTS

The coating of disk surfaces by tablet lubricants, determined by an intrinsic rate of dissolution method. Nicklasson M, et al. **Acta Pharm Suec** 1982;19(2):99–108
A rotating disk method to study the influence of binding agents on the dissolution rate. Nicklasson M, et al.
Acta Pharm Suec 1982;19(2):119–26
Studies on the physical properties of tablets and tablet excipients. IV. A program for accelerated light stability testing. Nyqvist H, et al. **Acta Pharm Suec** 1982;19(2):91–8
Effect of lubricant on die wall friction during the compaction of pharmaceutical powders. Hirai Y, et al.
Chem Pharm Bull (Tokyo) 1982 Feb;30(2):684–94
Effect of docusate sodium on drug release from a controlled-release dosage form. Chambliss WG, et al.
J Pharm Sci 1981 Nov;70(11):1248–51
[Effect of colloidal stabilizing agents on the rheologic properties of a suspension] Dondi G, et al.
Boll Chim Farm 1981 Oct;120(10):606–17 (Eng. Abstr.) **(Ita)**

ADVERSE EFFECTS

[Intolerance to cornstarch used as an excipient in drugs? A clinical example (author's transl)] Lagier G, et al.
Therapie 1981 May–Jun;36(3):365–7 (Eng. Abstr.) **(Fre)**

EXCITEMENT, PSYCHOMOTOR see **PSYCHOMOTOR AGITATION**

EXERCISE, ISOMETRIC see under **EXERTION**

EXERCISE, PHYSICAL see **EXERTION**

EXERCISE TEST

Post exercise T wave changes in patients with normal and abnormal coronary arteriogram. Forssel G, et al.
Acta Med Scand 1981;210(6):451–4
Early exercise tests after uncomplicated acute myocardial infarction before early discharge from hospital. Lindvall K, et al. **Acta Med Scand** 1981;210(4):257–61
Comparative analysis of physiologic responses to three different maximal graded exercise test protocols in healthy women. Pollock ML, et al. **Am Heart J** 1982 Mar; 103(3):363–73
Inability of exercise-induced R wave changes to predict coronary artery disease. Fox K, et al. **Am J Cardiol** 1982 Mar;49(4):674–9
Exercise thallium-201 myocardial scintigraphy in women: correlation with coronary arteriography. Friedman TD, et al. **Am J Cardiol** 1982 May;49(7):1632–7
Factors influencing estimated oxygen uptake during exercise testing soon after myocardial infarction. Haskell WL, et al. **Am J Cardiol** 1982 Aug;50(2):299–304
Exercise testing in the Wolff-Parkinson-White syndrome [letter] Lévy S, et al. **Am J Cardiol** 1981 Nov;48(5):976–7
Discriminant function analysis using thallium-20 1 scintiscans and exercise stress test variables to predict the presence and extent of cornary artery disease. McCarthy DM, et al. **Am J Cardiol** 1982 Jun;49(8):1917–26
Two dimensional echocardiographic evaluation of exercise-induced left and right ventricular asynergy: correlation with thallium scanning. Maurer G, et al.
Am J Cardiol 1981 Oct;48(4):720–7
Can exercise electrocardiography and thallium-201 myocardial imaging exclude the diagnosis of coronary artery disease? Bayesian analysis of the clinical limits of exclusion and indications for coronary angiography. Patterson RE, et al. **Am J Cardiol** 1982 Apr 1;49(5):1127–35
Digoxin-induced positive exercise tests: their clinical and prognostic significance. Sketch MH, et al.
Am J Cardiol 1981 Oct;48(4):655–9
Decrease in systolic blood pressure during exercise testing: reproducibility, response to coronary bypass surgery and prognostic significance. Weiner DA, et al.
Am J Cardiol 1982 May;49(7):1627–31
Treadmill test supervision [letter] Yatteau RF.
Am J Cardiol 1982 Apr 1;49(5):1376
Exercise testing early after myocardial infarction. Risks and benefits. Miller DH, et al. **Am J Med** 1982 Mar;72(3):427–38 (72 ref.)
Influence of alcohol on the cardiovascular response to isometric exercise in normal subjects. Giles TD, et al.
Angiology 1982 May;33(5):332–8
Use of the treadmill test in the diagnosis of coronary artery disease in patients with chest pain. Goldschlager N.
Ann Intern Med 1982 Sep;97(3):383–8
Eight-year follow-up of exercise electrocardiograms in healthy, middle-aged aviators. MacIntyre NR, et al.
Aviat Space Environ Med 1981 Apr;52(4):256–9
Limitations of the exercise stress test in the detection of coronary artery disease in apparently healthy men. Piepgrass SR, et al. **Aviat Space Environ Med** 1982 Apr; 53(4):379–82
Correlation of early hemodynamics during myocardial infarction and subsequent exercise testing. Cintrón G, et al. **Bol Asoc Med PR** 1981 Jul;73(7):316–20
R wave amplitude during exercise [letter] Carbonin PU, et al. **Br Heart J** 1981 Aug;46(2):224–5
Self-predicting stress tests. Predischarge modified stress testing after acute myocardial infarction. Nikolic G, et al.
Br Heart J 1982 Jun;47(6):559–62
Exercise testing in the diagnosis of ischaemic heart disease [editorial] Fox KM. **Br Med J [Clin Res]** 1982 Feb 27; 284(6316):611–2
Plasma cyclic-AMP and cyclic-GMP response levels in diabetes mellitus subjected to Cooper's aerobic programmed treadmill test. Kawasaki T, et al.
Bull Osaka Med Sch 1980 Oct;26(2):88–100
Prognostic values of exercise testing and drug effects on the exercise ECG. **Cardiology** 1981;68 Suppl 2:1–214
Prognosis of women with exercise-induced ECG changes--results from a longitudinal population study. Bengtsson C, et al. **Cardiology** 1981;68 Suppl 2:9–14
Predictive value of symptom-limited exercise testing for life expectancy in inoperable coronary patients with disabling angina. Broustet JP, et al. **Cardiology** 1981;68 Suppl 2:114–23
Predictive value of symptom-limited exercise for risk assessment of primary and secondary events due to coronary heart disease in men. Bruce RA, et al.
Cardiology 1981;68 Suppl 2:15–26
Evaluation of antianginal drug treatment by precordial exercise electrocardiography. Cokkinos DV, et al.
Cardiology 1981;68 Suppl 2:141–6
Clinical implications of the blood pressure response to exercise. Comess KA, et al. **Cardiology** 1981;68(4):233–44 (26 ref.)
Prognostic value of exercise testing: a 6-year follow-up in post-myocardial infarction patients. De Backer GG, et al.
Cardiology 1981;68 Suppl 2:71–7
Analysis of exercise-induced R-wave-amplitude changes in detection of coronary artery disease in patients with typical or atypical chest pain under digitalis treatment. Degre S, et al. **Cardiology** 1981;68 Suppl 2:178–85
Effects of nifedipine, acebutolol, and their association on exercise tolerance in patients with effort angina. De Ponti C, et al. **Cardiology** 1981;68 Suppl 2:195–9
Incidence and prognostic implications of severe ventricular arrhythmias during maximal exercise testing. Detry JM, et al. **Cardiology** 1981;68 Suppl 2:35–43
Multivariate approach to the treadmill stress test: prospective study. Ellestad MH, et al. **Cardiology** 1981;68 Suppl 2:27–34
The dose-response effects of nifedipine of ST-segment changes in exercise testing: preliminary studies. Fox KM, et al. **Cardiology** 1981;68 Suppl 2:209–12
The angina pectoris threshold heart rate as a prognostic sign. Results of a 5-year follow-up. Hayet M, et al.
Cardiology 1981;68 Suppl 2:78–83
Left ventricular function during exercise before and after bypass surgery. Hirzel HO, et al. **Cardiology** 1981;68 Suppl 2:99–107
Treadmill exercise protocols to demonstrate effectiveness of nitrate drugs in relief of angina pectoris; duration of action and degree of functional enhancement. Kattus AA.
Cardiology 1981;68 Suppl 2:161–8
Exercise testing in patients with valve replacement. Kraus F, et al. **Cardiology** 1981;68 Suppl 2:91–8
On-line computer-assisted exercise mapping. Murray RG, et al. **Cardiology** 1981;68 Suppl 2:133–40
Results of exercise tests and prognosis in postinfarction patients below age 40. Samek L, et al. **Cardiology** 1981;68 Suppl 2:84–90
Evaluation of effect of drugs on the exercise ECG. Sanchez-Cascos A. **Cardiology** 1981;68 Suppl 2:190–4
Antianginal effect of nifedipine after intracoronary and intravenous administration judged by reduction of ischemic ST-segment depression in exercise tests. Schulz W, et al.
Cardiology 1981;68 Suppl 2:200–8
The effects of drugs on the exercise electrocardiogram. Simoons ML, et al. **Cardiology** 1981;68 Suppl 2:124–32
Prognostic value of thallium-201 stress myocardial scintigraphy with exercise ECG after myocardial infarction. Smeets JP, et al. **Cardiology** 1981;68 Suppl 2:67–70
Exercise hemodynamics 1 month, 2 months and 1 year after myocardial infarction: prognostic considerations. Tavazzi L, et al. **Cardiology** 1981;68 Suppl 2:53–66
Exercise testing after nontransmural myocardial infarction. Coronary angiographic and prognostic correlations. Vecchio C, et al. **Cardiology** 1981;68(4):218–32
Early load-limiting versus symptom-limited exercise testing: prognostic value in 200 myocardial infarction patients. Velasco JA, et al. **Cardiology** 1981;68 Suppl 2:44–8
Nine years' follow-up of a maximal exercise test in a random population sample of middle-aged men. Wilhelmsen L, et al. **Cardiology** 1981;68 Suppl 2:1–8
Value of exercise testing for prediction of physical and psychosocial rehabilitation potential 3 months after acute myocardial infarction. Zilcher H, et al. **Cardiology** 1981;68 Suppl 2:49–52
The nitroglycerin exercise test. Zohman LR, et al.
Cardiology 1981;68 Suppl 2:169–77
Peak left ventricular pressure/volume (Emax) during exercise in control subjects and children with left-sided cardiac disease. Alpert BS, et al. **Cathet Cardiovasc Diagn** 1981; 7(2):145–53
Radionuclide angiographic correlation of the R wave, ejection fraction, and volume responses to upright bicycle exercise. Greenberg PS, et al. **Chest** 1981 Oct;80(4):459–64
Evaluating the positive exercise stress test in the asymptomatic individual. Laslett LJ, et al. **Chest** 1982 Mar; 81(3):364–7
Prognostic value of exercise testing, coronary angiography and left ventriculography 6--8 weeks after myocardial infarction. De Feyter PJ, et al. **Circulation** 1982 Sep; 66(3):527–36
Treatment of frequent ventricular arrhythmia with encainide: assessment using serial ambulatory electrocardiograms, intracardiac electrophysiologic studies, treadmill exercise tests, and radionuclide cineangiographic studies. DiBianco R, et al. **Circulation** 1982 Jun;65(6):1134–47
Exercise testing as part of the reasonable workup before recommending medical or surgical therapy for coronary heart disease. Froelicher VF. **Circulation** 1982 Jun;65(7 Pt 2 Suppl):15–20
Diagnostic accuracy of exercise ECG lead systems in clinical subsets of women. Guiteras P, et al. **Circulation** 1982 Jun; 65(7):1465–74
Comparison of cardiovascular response to combined static-dynamic effort, postprandial dynamic effort and dynamic effort alone in patients with chronic ischemic heart disease. Hung J, et al. **Circulation** 1982 Jun; 65(7):1411–9
Normal exercise capacity in patients with severe left ventricular dysfunction: compensatory mechanisms. Litchfield RL, et al. **Circulation** 1982 Jul;66(1):129–34
Reversal of exercise-induced hemodynamic and electrocardiographic abnormalities after coronary artery bypass surgery. Sarma RJ, et al. **Circulation** 1982 Apr; 65(4):684–9
Exercise electrocardiography and myocardial scintigraphy in the serial evaluation of the results of percutaneous transluminal coronary angioplasty. Scholl JM, et al.
Circulation 1982 Aug;66(2):380–90
Reproducibility of exercise testing [letter] Spodick DH.
Circulation 1981 Oct;64(4):868
Studies of platelet factor 4 and beta thromboglobulin release during exercise: lack of relationship to myocardial ischemia. Stratton JR, et al. **Circulation** 1982 Jul;66(1):33–43
Increased exercise tolerance and reduced electrocardiographic ischemia with diltiazem in patients with stable angina pectoris. Wagniart P, et al.
Circulation 1982 Jul;66(1):23–8
Comprehensive analysis of exertional ECG changes before and after oral propranolol. Hossack KF, et al.
Clin Cardiol 1979 Aug;2(4):272–80
The magnitude of exercise-induced ST segment depression and the predictive value of exercise testing. Nahormek PA, et al. **Clin Cardiol** 1979 Aug;2(4):286–90
Variability of exercise performance during long-term placebo treatment. McGraw BF, et al. **Clin Pharmacol Ther** 1981 Sep;30(3):321–7
Aerobic muscular exercise: applications in clinical medicine for diagnosis and therapy. Scherzer HH. **Conn Med** 1981 Oct;45(10):628–32
The isopotential plot--a new method for the assessment of ST amplitude changes provoked by an exercise test. Bjurö TI, et al. **Eur Heart J** 1980 Jun;1(3):213–23
Diagnostic incapacity of exercise-induced QRS wave amplitude changes to detect coronary artery disease and left ventricular dysfunction. De Feyter PJ, et al.
Eur Heart J 1982 Feb;3(1):9–16
Exercise testing and ambulatory electrocardiographic monitoring following surgical repair of tetralogy of Fallot. Irving JB, et al. **Eur Heart J** 1980 Apr;1(2):117–21
Physical and physiological work in treadmill testing compared with other types of ergometry. Kaltenbach M, et al. **Eur Heart J** 1982 Apr;3(2):93–9
Multivariate analysis of exercise ST depression and coronary risk factors in asymptomatic men. Manca C, et al.
Eur Heart J 1982 Feb;3(1):2–8
Non-invasive quantification of exercise-induced changes in regional left ventricular function in normals and patients with one vessel coronary artery disease using radionuclide ventriculography. Pfisterer M, et al. **Eur Heart J** 1982 Jun; 3(3):203–11
Significance and reproducibility of exercise-related idiopathic ventricular arrhythmias. Sonnhag C, et al.
Eur Heart J 1980 Jun;1(3):183–93
Ventricular response to dynamic exercise and the cold pressor test. Vojacek J, et al. **Eur Heart J** 1982 Jun; 3(3):212–22
Exercise testing in the evaluation of coronary artery disease. Ellestad MH, et al. **Herz** 1982 Apr;7(2):76–90
Pulmonary function and exercise stress testing. Victor LD, et al. **Hosp Pract** 1982 Jul;17(7):125–7, 129–30 (8 ref.)
Transient pathological Q waves in the electrocardiogram induced by exercise. Chacko KA, et al. **Indian Heart J** 1981 May–Jun;33(3):109–13
Utility of stress testing in angina. Shah SN, et al.
Indian Heart J Teach Ser 1980;(9):377–80
Effect of training specificity on maximal treadmill and bicycle ergometer exercise. Verstappen FT, et al.
Int J Sports Med 1982 Feb;3(1):43–6
Correlation of T-wave changes occurring during exercise

ECG with the hemodynamic changes that govern myocardial O2 balance. Varsano S, et al. **Isr J Med Sci** 1982 Feb;18(2):225-30

Cardiovascular responses to exercise following adolescent hypertensive pregnancy. Cottrill CM, et al. **J Adolesc Health Care** 1980 Dec;1(2):91-5

Prospective application of the multivariate approach to enhance the accuracy of the treadmill stress test. Greenberg PS, et al. **J Electrocardiol** 1982 Apr;15(2):143-7

The determination of the post-test likelihood for coronary disease using Bayes Theorem. Santinga JT, et al. **J Electrocardiol** 1982 Jan;15(1):61-8

The relationship between exercise-induced R wave amplitude changes and QRS vector loops. Watanabe K, et al. **J Electrocardiol** 1981;14(2):129-38

The value of limited exercise testing soon after myocardial infarction. Karayannis ES, et al. **J Med Assoc Ga** 1981 Oct;70(10):741-2

Indications and contraindications for exercise testing. **J Tenn Med Assoc** 1981 Oct;74(10):720-4

Clinical significance of exercise-induced ST changes in patients with prior myocardial infarction: comparison of electrocardiographic and angiographic findings. Fukui S, et al. **Jpn Circ J** 1981 Oct;45(10):1131-7

Quantitative evaluation of treadmill test induced ST-T changes using body surface mapping. Yasui S, et al. **Jpn Circ J** 1981 Oct;45(10):1208-11

Exercise tests after myocardial infarction [editorial] **Lancet** 1981 Oct 10;2(8250):786-8

The value of postcardiac infarction exercise stress testing: identification of a group at high risk. Srinivasan M, et al. **Med J Aust** 1981 Oct 31;2(9):466-7

Prognosis of medically treated patients with coronary-artery disease with profound ST-segment depression during exercise testing. Podrid PJ, et al. **N Engl J Med** 1981 Nov 5;305(19):1111-6

Occurrence of ST segmental electrical alternans during exercise test [letter] Rozanski JJ, et al. **PACE** 1981 May; 4(3):339-40

A study concerning adaptability in overweight puberal children. Petroiu A, et al. **Physiologie** 1982 Jan-Mar; 19(1):35-9

Maximal exercise testing: prognostic value for assessment of coronary heart disease risk. Bruce RA. **Postgrad Med** 1981 Dec;70(6):161-8

The enigma of the false-positive stress test. Savitz SP, et al. **Postgrad Med** 1982 Apr;71(4):84-5, 88-93, 96

Correlation of ventricular ectopic activity and exercise-related ST-segment changes. Davidoff R, et al. **S Afr Med J** 1982 Apr 10;61(15):539-42

Lack of correlation between the clinical assessment of cardiovascular status and exercise electrocardiography. Davidoff R, et al. **S Afr Med J** 1982 Apr 10;61(15):542-3

Exercise electrocardiogram in patients with normal and abnormal coronary arteriogram. Jonasson R, et al. **Scand J Clin Lab Invest** 1980;40(8):775-82

Exercise tolerance five years after coronary bypass surgery in relation to clinical and angiographic findings. Ivert T, et al. **Scand J Thorac Cardiovasc Surg** 1981;15(2):179-95

Experience of treadmill exercise testing in ischemic heart disease. Hsu TS, et al. **Taiwan I Hsueh Hui Tsa Chih** 1981 Jul;80(7):740-50

Exercise testing with multiple leads in patients with and without previous myocardial infarction. Tubau JF. **West J Med** 1981 Aug;135(2):109-12

[The prediction value of double Master's stress testing in coronary heart disease (author's transl)] Du CL. **Chung Hua Hsin Hsueh Kuan Ping Tsa Chih** 1980 Jun; 8(2):129-31 **(Chi)**

[The value of delta R on increasing the positive rate of treadmill exercise test in suspicious coronary heart disease with right bundle branch block (author's transl)] Guo JH. **Chung Hua Hsin Hsueh Kuan Ping Tsa Chih** 1982 Mar; 10(1):30-2 **(Chi)**

[A study of maximal oxygen consumption during treadmill exercise in healthy Chinese (author's transl)] Ho BL, et al. **Taiwan I Hsueh Hui Tsa Chih** 1981 Jul;80(7):712-7 (Eng. Abstr.) **(Chi)**

[The diagnostic value of ventricular complex amplitude changes in exercise ECG (author's transl)] Král J. **Cas Lek Cesk** 1981 Oct 1;120(39):1178-82 (Eng. Abstr.) **(Cze)**

[Determination of the intensity of motor rehabilitation in patients with ischaemic heart disease (author's transl)] Leso J, et al. **Cas Lek Cesk** 1982 Feb 12;121(10):311-3 (Eng. Abstr.) **(Cze)**

[Prognosis of ischemic coronary disease. The significance of submaximal ECG stress tests and coronarography findings] Fabián J, et al. **Vnitr Lek** 1981 Dec;27(12):1167-76 (Eng. Abstr.) **(Cze)**

[Stress test in forestry workers] Feitová S, et al. **Vnitr Lek** 1982 Jan;28(1):38-44 (Eng. Abstr.) **(Cze)**

[Exercise electrocardiography test in internal medicine] Janota M. **Vnitr Lek** 1981 Aug;27(8):750-7 (Eng. Abstr.) **(Cze)**

[Prognostic importance of ergometric examination in men in the 6th decade of life] Rakická E, et al. **Vnitr Lek** 1981 Aug;27(8):758-66 (Eng. Abstr.) **(Cze)**

[Early stress test after acute myocardial infarct] Stejfa M, et al. **Vnitr Lek** 1982 Jan;28(1):28-37 (Eng. Abstr.) **(Cze)**

[Exercise test in the differential diagnosis of ischemic heart disease in women] Zemánková J, et al. **Vnitr Lek** 1982 Feb; 28(2):142-51 (Eng. Abstr.) **(Cze)**

[Exercise tolerance and working capacity of the left ventricle after pharmacologic disruption of atrial fibrillation and restoration of sinus rhythm] Zikmund M, et al. **Vnitr Lek** 1981 Oct;27(10):970-5 (Eng. Abstr.) **(Cze)**

[Diagnostic value of 12-lead exertion electrocardiography following a heart infarct] de Feyter PJ, et al. **Ned Tijdschr Geneeskd** 1982 Mar 27;126(13):559-64 (Eng. Abstr.) **(Dut)**

[Early ECG exercise test in the evaluation of the heart infarct patient] Arstila M, et al. **Duodecim** 1982;98(2):131-8 **(Fin)**

[An unusual association of supraventricular tachycardia and conduction disturbances during exercise testing (author's transl)] Heraudeau A, et al. **Ann Cardiol Angeiol (Paris)** 1982 Jan-Feb;31(1):55-8 (Eng. Abstr.) **(Fre)**

[Indirect evaluation of effort angina. Automatic and traditional analysis of the ST segment, the amplitude of the R wave and thallium scintiscanning (author's transl)] Stoupel E, et al. **Ann Cardiol Angeiol (Paris)** 1981 May; 30(3):207-10 (Eng. Abstr.) **(Fre)**

[[Abnormal development of systolic blood pressure during exercise. Electrocardiographic and angiographic correlations] Fournier C, et al. **Arch Mal Coeur** 1982 Jul; 75(7):785-92 (Eng. Abstr.) **(Fre)**

[Comparison of data from exercise tests and continuous electrocardiographic recording in patients with ventricular extrasystole. Apropos of 131 cases] Laurent M, et al. **Arch Mal Coeur** 1982 Jun;75(6):653-62 (Eng. Abstr.) **(Fre)**

[Idiopathic auriculo-ventricular block in young patients. Value of stress testing and the atropine test for the localization of the conduction disorder] Lévy S, et al. **Arch Mal Coeur** 1982 Jan;75(1):11-20 (Eng. Abstr.) **(Fre)**

[The usefulness of an exercise test on a treadmill shortly after a myocardial infarction] LeBlanc P, et al. **Can Med Assoc J** 1982 Jun 1;126(11):1300-5 (Eng. Abstr.) **(Fre)**

[Effort as a diagnostic test in cardiac arrhythmias (author's transl)] Flament F. **Rev Med Brux** 1981 Oct;2(8):683-92 (Eng. Abstr.) **(Fre)**

[Importance of exercise tests in the evaluation of medications] Witchitz S. **Sem Hop Paris** 1981 Oct 18-25; 57(39-40):1653-4 **(Fre)**

[Importance of the exercise electrocardiogram and of thallium scintigraphy of the myocardium in the evaluation of patients referred for percutaneous transluminal coronary angioplasty] Brévers G, et al. **Union Med Can** 1982 Jan; 111(1):32-6, 78 (Eng. Abstr.) **(Fre)**

[Age dependency of pulmonary artery pressure after myocardial infarction at rest and during exercise (author's transl)] Koenig W, et al. **Aktuel Gerontol** 1982 May; 12(3):90-2 (Eng. Abstr.) **(Ger)**

[Left ventricular function at rest and during exercise in patients with cardiomyopathy (author's transl)] Bussmann WD, et al. **Herz** 1982 Apr;7(2):109-16 (Eng. Abstr.) **(Ger)**

[Left ventricular function in patients with coronary artery disease before and after aorto-coronary bypass surgery at rest and during bicycle ergometry (author's transl)] Hirzel HO, et al. **Herz** 1982 Apr;7(2):63-75 (Eng. Abstr.) **(Ger)**

[Exercise testing in the assessment of ventricular arrhythmias (author's transl)] Kafka W, et al. **Herz** 1982 Jun;7(3):140-3 (Eng. Abstr.) **(Ger)**

[Exercise studies in patients with cardiomyopathy (author's transl)] Lösse B, et al. **Herz** 1982 Apr;7(2):91-108 (Eng. Abstr.) **(Ger)**

[The left ventricular function in bicycle ergometric stress before and after aortocoronary bypass surgery] Hirzel HO, et al. **Schweiz Med Wochenschr** 1981 Nov 7;111(45):1718-21 (Eng. Abstr.) **(Ger)**

[ST-segment depression and R-amplitude changes during bicycle stress test in patients with coronary artery disease (author's transl)] Hoberg E, et al. **Z Kardiol** 1981 Oct; 70(10):776-80 (Eng. Abstr.) **(Ger)**

[Extent of beta-blocking action of S- and R-penbutolol during exercise testing (author's transl)] Kober G, et al. **Z Kardiol** 1982 Apr;71(4):289-94 (Eng. Abstr.) **(Ger)**

[R wave variations during the bicycle exercise test] Malvezzi A, et al. **Boll Soc Ital Biol Sper** 1981 May 15;57(9):931-6 (Eng. Abstr.) **(Ita)**

[Dynamic exercise with the bicycle ergometer in normal subjects and patients with essential hypertension after induction of metabolic acidosis and alkalosis] Conte G, et al. **Boll Soc Ital Cardiol** 1980;25(7):863-6 (Eng. Abstr.) **(Ita)**

[Formation of platelet malondialdehyde in hypertensive patients subjected to cycloergometric exercise tests] Davi G, et al. **Boll Soc Ital Cardiol** 1980;25(10):1167-72 **(Ita)**

[Study of systolic intervals in basic conditions and after bicycle ergometric exercise test, in subjects with symptomatic and asymptomatic mitral prolapse] Dei Cas L, et al. **Boll Soc Ital Cardiol** 1980;25(6):569-75 (Eng. Abstr.) **(Ita)**

[Correlation between ergometric tests and coronary radiography] Ferrante MR, et al. **Boll Soc Ital Cardiol** 1980; 25(12):1389-95 (Eng. Abstr.) **(Ita)**

[Cardiovascular screening test of athletes playing baseball] Galetta F, et al. **Boll Soc Ital Cardiol** 1981;26(5):445-9 **(Ita)**

[Identification of high-risk patients with myocardial infarct, using clinical data and exercise tests] Greco R, et al. **Boll Soc Ital Cardiol** 1980;25(11):1315-23 (Eng. Abstr.) **(Ita)**

[Computerized analysis of the changes in the R wave amplitude during exercise tests of normal subjects and coronary disease patients] Manca C, et al. **Boll Soc Ital Cardiol** 1980;25(5):495-501 (Eng. Abstr.) **(Ita)**

[The role of hypertensive cardiopathy in the genesis of the pathological response to the ergometric test in young hypertensive patients] Mariotti G, et al. **Boll Soc Ital Cardiol** 1980;25(9):1051-3 **(Ita)**

[Diagnostic value of the exercise test and of hyperpnea in women suspected of ischemic cardiopathy] Melacini P, et al. **Boll Soc Ital Cardiol** 1980;25(11):1325-30 (Eng. Abstr.) **(Ita)**

[Quantitative analysis of the ECG exercise test by CPU: description of the method and preliminary results] Puccini E, et al. **Boll Soc Ital Cardiol** 1980;25(11):1331-42 (Eng. Abstr.) **(Ita)**

[Behavior of hemodynamic parameters in the exercise test] Regoli F, et al. **Boll Soc Ital Cardiol** 1981;26(4):301-14 (Eng. Abstr.) **(Ita)**

[Changes in ventricular complexes during the exercise test] Regoli F, et al. **Boll Soc Ital Cardiol** 1981;26(1):67-73 (Eng. Abstr.) **(Ita)**

[Platelet aggregation and blood catecholamines in healthy young persons after the exercise test] Saitta A, et al. **Boll Soc Ital Cardiol** 1980;25(4):347-54 (Eng. Abstr.) **(Ita)**

[Changes in the response to the exercise test, after treatment, in young patients with arterial hypertension] Secchi MB, et al. **Boll Soc Ital Cardiol** 1980;25(9):1013-20 **(Ita)**

[The diagnostic value of QRS and ST changes during exercise. A study in normal subjects and coronary patients (author's transl)] Bertoni T, et al. **G Ital Cardiol** 1981; 11(6):776-85 (31 ref.) (Eng. Abstr.) **(Ita)**

[Influence of left ventricular volume changes induced by Valsalva maneuver on R wave amplitude (author's transl)] Cuomo S, et al. **G Ital Cardiol** 1981;11(7):903-7 (Eng. Abstr.) **(Ita)**

[Echocardiography during ergometric tests in subjects with stable effort angina (author's transl)] Fedele F, et al. **G Ital Cardiol** 1981;11(3):310-20 (Eng. Abstr.) **(Ita)**

[Limitations of long-term treatment with vasodilator agents in increasing maximum functional capacity in patients with left ventricular insufficiency] Gronda E, et al. **G Ital Cardiol** 1981;11(6):803-11 (Eng. Abstr.) **(Ita)**

[The exercise test in children. Study of 300 normal cases] Marsico F, et al. **G Ital Cardiol** 1981;11(10):1389-98 (Eng. Abstr.) **(Ita)**

[Blood pressure during exercise stress in young normal subjects with familial hypertension (author's transl)] Martiny W, et al. **G Ital Cardiol** 1982;11(11):1692-9 (Eng. Abstr.) **(Ita)**

[Exercise test in 100 healthy children between 5 and 12 years of age (author's transl)] Pirelli S, et al. **G Ital Cardiol** 1981; 11(6):719-23 (Eng. Abstr.) **(Ita)**

[Situation in Italy regarding institutions for cardiovascular function testing] Scardi S. **G Ital Cardiol** 1981;11(4):535-40 (Eng. Abstr.) **(Ita)**

[Acute effects of oral acebutolol on exercise tolerance in patients with stable angina pectoris (author's transl)] Scrutinio D, et al. **G Ital Cardiol** 1981;11(3):364-72 (Eng. Abstr.) **(Ita)**

[The exercise test before and after aorto-coronary by-pass (author's transl)] Spinnler MT, et al. **G Ital Cardiol** 1981; 11(3):303-9 (Eng. Abstr.) **(Ita)**

[Early functional evaluation and physical rehabilitation in patients with wide myocardial infarction (author's transl)] Vecchio C, et al. **G Ital Cardiol** 1981;11(4):419-29 (Eng. Abstr.) **(Ita)**

[Evaluation of some hemo-rheological factors in a group of subjects with prior myocardial infarct submitted to exercise tests] Caimi G, et al. **Minerva Cardioangiol** 1981 Jun; 29(6):295-300 (Eng. Abstr.) **(Ita)**

[Qualitative and quantitative examination of exercise for assessing exercise induced asthma in clinical practice. Part 1. Treadmill exercise test (author's transl)] Shinomiya K, et al. **Arerugi** 1981 May;30(5):235-43 (Eng. Abstr.) **(Jpn)**

[The clinical significance of exercise-induced ST-segment elevation-electrocardiographic and arteriographic evaluation in 23 patients (author's transl)] Aizawa T, et al. **Kokyu To Junkan** 1981 Nov;29(11):1203-11 (Eng. Abstr.) **(Jpn)**

[The role of the exercise test in angina pectoris associated with coronary arterial spasm (author's transl)] Fukami K, et al. **Kokyu To Junkan** 1981 Nov;29(11):1213-9 (Eng. Abstr.) **(Jpn)**

[On high incidence of exercise-induced ischemic electrocardiographic changes in female over 4th decade (author's transl)] Fukuda I. **Kokyu To Junkan** 1981 Nov; 29(11):1185-93 **(Jpn)**

[T wave change in the exercise electrocardiography (author's transl)] Harumi K, et al. **Kokyu To Junkan** 1981 Nov; 29(11):1161-7 **(Jpn)**

[Exercise testing and electrocardiographic P wave (author's transl)] Hiasa Y, et al. **Kokyu To Junkan** 1981 Nov; 29(11):1135-9 **(Jpn)**

[Mechanisms and clinical significance of exercise-induced ST

segment deviation (author's transl)] Kato K. **Kokyu To Junkan** 1981 Nov;29(11):1149–59 **(Jpn)**

[Exercise stress testing and cardiac arrhythmia (author's transl)] Kawakubo K, et al. **Kokyu To Junkan** 1981 Nov; 29(11):1175–83 **(Jpn)**

[R wave change with time during exercise test (author's transl)] Nakamura T. **Kokyu To Junkan** 1982 Jun; 30(6):617–24 (Eng. Abstr.) **(Jpn)**

[R-wave voltage criteria in electrocardiographic exercise testing (author's transl)] Sotobata I, et al. **Kokyu To Junkan** 1981 Nov;29(11):1141–8 **(Jpn)**

[The U wave change after exercise test (author's transl)] Toyama S, et al. **Kokyu To Junkan** 1981 Nov; 29(11):1169–74 **(Jpn)**

[Analysis of arrhythmias occurring during right atrial stimulation and the exercise test in patients with labile hypertension] Sędziwy L, et al. **Kardiol Pol** 1982; 25(2):95–100 (Eng. Abstr.) **(Pol)**

[Action of verapamil as a hypotensive agent – analysis of the arterial pressure curve in the cycloergometric test] **Candau LA, et al. Arq Bras Cardiol** 1981 Mar;36 Suppl 1:18–23 (Eng. Abstr.) **(Por)**

[Ergometric and hemodynamic tests and resumption of activities in myocardial infarct patients under 55 years of age] Dimitriu CG, et al. **Rev Med Interna [Med Interna]** 1981 Sep–Oct;33(5):345–8 (Eng. Abstr.) **(Rum)**

[Study of adaptability to exertion in a sample of healthy and sick school children] Petroiu A, et al. **Rev Pediatr Obstet Ginecol [Pediatr]** 1981 Oct–Dec; 30(4):321–6 (Eng. Abstr.) **(Rum)**

[Prognostic significance of the physical loading test for detecting persons with a risk of developing arterial hypertension (a prospective epidemiological study)] Zinenko GM. **Biull Vsesoiuznogo Kardiol Nauchn Tsentra AMN SSSR** 1982;5(1):30–3 (Eng. Abstr.) **(Rus)**

[Microcirculation tolerance for physical loading and homeostatic indices in stenocardia] Anikin VV, et al. **Kardiologiia** 1981 Aug;21(8):92–5 (Eng. Abstr.) **(Rus)**

[Apex cardiography in evaluating the subendocardiac blood flow and coronary reserve in a comparison with coronary radiography and bicycle ergometry data in ischemic heart disease] Furkalo NK, et al. **Kardiologiia** 1982 Jan;22(1):57–9 (Eng. Abstr.) **(Rus)**

[Comparative evaluation of bicycle ergometry and coronary radiography results in stenocardia as a function of the ECG ST segment reaction during physical loading] Gasilin VS, et al. **Kardiologiia** 1982 Jan;22(1):11–5 (Eng. Abstr.) **(Rus)**

[Isoenzymes after physical loading in ischemic heart disease] Geissler W, et al. **Kardiologiia** 1982;22(7):26–31 (Eng. Abstr.) **(Rus)**

[Detection of left ventricle heart failure during physical loading in ischemic heart disease patients based on data from measuring the electrical impedance of the chest cavity and a comparison with the data from microcatheterization of the pulmonary artery] Gol'dberg LG. **Kardiologiia** 1982; 22(7):44–8 **(Rus)**

[Results of the physical loading test and the late outcome of chronic ischemic heart disease] Ivanova LA, et al. **Kardiologiia** 1982;22(7):52–7 (Eng. Abstr.) **(Rus)**

[Dynamics of electrocardiographic, cardiohemodynamic and biochemical indices as affected by intensive bicycle ergometer training in stenocardia patients] Kudinov VI, et al. **Kardiologiia** 1982;22(7):21–5 (Eng. Abstr.) **(Rus)**

[Comparison of the electro- and vectorcardiogram changes in the late recovery period after physical loading in postinfarct cardiosclerosis patients] Leshchenko AI, et al. **Kardiologiia** 1982;22(7):113–5 **(Rus)**

[Diagnostic importance of a rise in the ST segment in physical load tests with ischemic heart disease patients] Lupanov VP, et al. **Kardiologiia** 1982 Jan;22(1):108–12 (58 ref.) **(Rus)**

[Determination of the myocardial reserve by ergometry] Pomerantsev VP, et al. **Kardiologiia** 1981 Sep;21(9):68–72 (Eng. Abstr.) **(Rus)**

[Use of the ECG under physical load for assessing the status of ischemic heart disease patients] Ryan TJ, et al. **Kardiologiia** 1982 Feb;22(2):22–6 (Eng. Abstr.) **(Rus)**

[Bicycle ergometry-based evaluation of the late results of aortic valve prosthesis in children and adolescents] Evzhanov A, et al. **Pediatriia** 1982 Mar;(3):50–2 (Eng. Abstr.) **(Rus)**

[Clinicoepidemiological analysis of ECG ischemic reactions to physical loading in men] Lipovetskii BM, et al. **Sov Med** 1981;(4):10–3 (Eng. Abstr.) **(Rus)**

[Oxygen metabolic characteristics in chronic ischemic heart disease under physical loading] Maichuk Elu. **Sov Med** 1982;(1):7–10 (Eng. Abstr.) **(Rus)**

[Use of the treadmill maximum exercise test in school children] Dobo SS, et al. **Ter Arkh** 1981;53(12):37–40 (Eng. Abstr.) **(Rus)**

[Changes in the ECG R wave voltage during the bicycle exercise test as one of the criteria for discontinuing exercise] Kheifets ZN. **Ter Arkh** 1981;53(8):49–51 (Eng. Abstr.) **(Rus)**

[Bicycle ergometry as a psychological exercise test in patients with a history of myocardial infarct] Kheifets ZN. **Ter Arkh** 1982;54(5):30–1 **(Rus)**

[Use of the exercise test for determining the optimal dose of prolonged-action nitrates in patients with angina pectoris] Martsevich SIu, et al. **Ter Arkh** 1981;53(12):22–6 (Eng. Abstr.) **(Rus)**

[Criteria for discontinuing exercise tests in patients with coronary arteriosclerosis and post-infarct cardiosclerosis] Sokolov IuN, et al. **Ter Arkh** 1981;53(8):41–4 (Eng. Abstr.) **(Rus)**

[Use of bicycle ergometry for the early detection of ischemic heart disease] Grigorov VIa, et al. **Voen Med Zh** 1981 Aug; (8):56–7 **(Rus)**

[Functional electrocardiographic methods in the diagnosis of nonrheumatic myocardities] Novikov IuI, et al. **Vopr Revm** 1982 Jan–Mar;(1):55–64 (17 ref.) **(Rus)**

[Hemodynamic indices in the measured physical loading of ischemic heart disease patients] Ianovskii GV, et al. **Vrach Delo** 1981 Dec;(12):42–4 (Eng. Abstr.) **(Rus)**

[Changes in the oxygen transport function of the blood and metabolic indices in hypertension and chronic ischemic heart disease during ergometry] Popova VN, et al. **Vrach Delo** 1982 Apr;(4):56–61 (Eng. Abstr.) **(Rus)**

[Importance of the bicycle ergometric test in evaluating the work capacity of hypertension patients] Proskurkina OA, et al. **Vrach Delo** 1982 May;(5):70–2 (Eng. Abstr.) **(Rus)**

[Bicycle ergometry in the differential diagnosis of cardialgia] Sheverda VM. **Vrach Delo** 1982 Jan;(1):54–6 **(Rus)**

[Role of the exercise test in patients with arrhythmias] Cikoš J, et al. **Med Pregl** 1981;34(5–6):225–9 (Eng. Abstr.) **(Scr)**

[The bicycle ergometry test in the detection of latent coronary insufficiency] Gligorić M, et al. **Vojnosanit Pregl** 1982 Jan–Feb;39(1):26–8 **(Scr)**

[Exercise-induced coronary artery spasm. Angiographic demonstration and results of medical treatment] García Rubí DE, et al. **Arch Inst Cardiol Mex** 1981 Nov–Dec; 51(6):559–64 (Eng. Abstr.) **(Spa)**

[Comparison between the treadmill exercise test and atrial stimulation with measurements of plasma catecholamines in patients with angina pectoris] Trevethan S, et al. **Arch Inst Cardiol Mex** 1981 Sep–Oct;51(5):415–22 (Eng. Abstr.) **(Spa)**

[Exercise test in chronic Chagas' cardiomyopathy. Its value in the early diagnosis. The behavior of ventricular arrhythmias and conduction disorders due to exercise in the more advanced stages of the disease] Molina A, et al. **Arq Bras Cardiol** 1981 Feb;36(2):95–100 (Eng. Abstr.) **(Spa)**

[Effect of amiodarone on ventricular arrhythmias evaluated by serial exercise testing (author's transl)] Corbalán R, et al. **Rev Med Chil** 1981 Apr;109(4):324–31 (Eng. Abstr.) **(Spa)**

ADVERSE EFFECTS

Treadmill stress testing in the evaluation of patients with valvular heart disease. Possible role in the assessment of functional capacity and severity of the lesion. Almendral JM, et al. **Cardiology** 1982;69(1):42–51

Clinical significance and characteristics of exercise-induced ventricular tachycardia. Codini MA, et al. **Cathet Cardiovasc Diagn** 1981;7(3):227–34

Exercise testing and ambulatory electrocardiographic monitoring following surgical repair of tetralogy of Fallot. Irving JB, et al. **Eur Heart J** 1980 Apr;1(2):117–21

Complications of exercise testing. A survey in three German-speaking countries. Kaltenbach M, et al. **Eur Heart J** 1982 Jun;3(3):199–202

Exercise stress testing office based. Allen HM, et al. **J Okla State Med Assoc** 1982 Apr;75(4):82–8

[Pathological behavior of arterial pressure during the exercise test] Bondi S, et al. **Boll Soc Ital Cardiol** 1980;25(3):263–70 (Eng. Abstr.) **(Ita)**

[Acute hemorrhagic myocardial infarction following treadmill exercise test (author's transl)] Fukami K, et al. **Kokyu To Junkan** 1981 Nov;29(11):1249–55 (Eng. Abstr.) **(Jpn)**

INSTRUMENTATION

The monark bicycle ergometer in screening arterial patients. De Cossart L, et al. **Br J Surg** 1982 Sep;69(9):543–4

[Calibration device for bicycle ergometers (author's transl)] Eissing G. **Biomed Tech (Berlin)** 1982 Apr;27(4):84–6 (Eng. Abstr.) **(Ger)**

[ECG suction electrodes with an external vacuum pump for physical loading studies] Kolesova GP, et al. **Med Tekh** 1982 Jan–Feb;(1):44–6 **(Rus)**

METHODS

Computer analysis of the exercise ECG: new aspects. Block P, et al. **Acta Cardiol [Suppl] (Brux)** 1981;26:29–36

Continuous recording of intra-arterial blood pressure during graded bicycle ergometry and stair climbing in essential hypertension. Millar-Craig MW, et al. **Biotelem Patient Monit** 1981;8(1–2):33–46

Precordial surface mapping of the exercise ECG. Fox K, et al. **Br J Hosp Med** 1982 Mar;27(3):291–2, 295, 297–9

Computerized exercise ECG in the diagnosis of critical coronary lesions. Ejdebäck J, et al. **Cardiology** 1982; 69(1):22–33

Survival of patients with a strongly positive exercise electrocardiogram. Dagenais GR, et al. **Circulation** 1982 Mar;65(3):452–6

The effect of age on heart rate in subjects free of heart disease. Studies by ambulatory electrocardiography and maximal exercise stress test. Kostis JB, et al. **Circulation** 1982 Jan;65(1):141–5

Comparative value of the cold-pressor test and supine bicycle exercise to detect subjects with coronary artery disease using radionuclide ventriculography. Manyari DE, et al. **Circulation** 1982 Mar;65(3):571–9

Exercise testing in patients with variant angina: results, correlation with clinical and angiographic features and prognostic significance. Waters DD, et al. **Circulation** 1982 Feb;65(2):265–74

A program for processing of multiple-lead exercise ECGs in real time. Falk KJ, et al. **Comput Programs Biomed** 1982 Apr;14(2):133–44

Early exercise test for evaluation of long-term prognosis after uncomplicated myocardial infarction. Velasco J, et al. **Eur Heart J** 1981 Oct;2(5):401–7

The value of thallium exercise testing in patients with coronary artery disease. McCarthy DM. **Int J Cardiol** 1981; 1(1):7–14 (20 ref.)

Determination of the anaerobic threshold by a noninvasive field test in runners. Conconi F, et al. **J Appl Physiol** 1982 Apr;52(4):869–73

A comparison of two commonly used stress testing protocols in patients with documented coronary artery disease. Nolewajka AJ, et al. **J Sports Med Phys Fitness** 1981 Jun; 21(2):138–44

Continuous treadmill walking versus intermittent treadmill running as maximal exercise tests for young competitive swimmers. Zauner CW, et al. **J Sports Med Phys Fitness** 1981 Jun;21(2):173–8

Treadmill stress test using body surface mapping in coronary artery disease—the clinical significance of ST depression. Kubota I, et al. **Jpn Circ J** 1982 Jan;46(1):8–15

Treadmill exercise test using body surface mapping. A quantitative diagnostic method for coronary artery disease. Kubota I, et al. **Jpn Heart J** 1981 Nov;22(6):871–84

Real-time processing of multiple-lead exercise electrocardiograms. Falk KJ, et al. **Med Prog Technol** 1982; 8(4):159–74

Exercise testing and ancillary techniques to screen for coronary heart disease. Froelicher VF, et al. **Prog Cardiovasc Dis** 1981 Nov–Dec;24(3):261–74 (57 ref.)

[Use of a simplified exercise test in the study of a beta-blocker] Julien D, et al. **Arch Mal Coeur** 1982 Feb; 75(2):205–11 (Eng. Abstr.) **(Fre)**

[Methodologic and exercise-physiologic principles of ergometry: value of noninvasive parameters in the detection of compromised exercise capacity due to heart disease (author's transl)] Franz IW, et al. **Herz** 1982 Feb; 7(1):29–41 (29 ref.) (Eng. Abstr.) **(Ger)**

[Ergometry in childhood. Normal values and use in paediatric cardiology (author's transl)] Mocellin R. **Herz** 1982 Feb; 7(1):42–9 (28 ref.) (Eng. Abstr.) **(Ger)**

[Principles of ergometry. Part I. Physiologic basis and methodology] Niederberger M. **Herz** 1982 Feb;7(1):1–19 (Eng. Abstr.) **(Ger)**

[Treadmill ergometry and its value for insurance medicine diagnosis] Stippig J, et al. **Lebensversicherungsmedizin** 1982 May 4;34(4):84–8 (Eng. Abstr.) **(Ger)**

[Cybernetic analysis of the heart rhythm in the measured physical loading test with crew members of the Saliut-6 orbital station] Baevskiĭ RM, et al. **Kardiologiia** 1981 Nov; 21(11):100–4 (Eng. Abstr.) **(Rus)**

[99mTc-pyrophosphate scintigraphic indices during the bicycle ergometry test in myocardial infarct in the early phase of healing] Vinogradov AV, et al. **Kardiologiia** 1982 Feb;22(2):93–7 (Eng. Abstr.) **(Rus)**

[Computer analysis of the physical loading test] Charchoglian RA, et al. **Sov Med** 1982;(1):3–7 (Eng. Abstr.) **(Rus)**

[Comparison of the results of bicycle ergometrics and treadmill test in control men and in patients with ischemic heart disease] Konstantinov VO, et al. **Ter Arkh** 1982; 54(1):56–9 (Eng. Abstr.) **(Rus)**

[Importance of echocardiography in detecting a blood supply disorder of the left ventricle during bicycle ergometry] Stadniuk LA, et al. **Vrach Delo** 1981 Sep;(9):49–51 **(Rus)**

[Methodology of exercise tests in the 1st month of acute myocardial infarct] Aros LF, et al. **Rev Esp Cardiol** 1981; 34(2):127–32 (Eng. Abstr.) **(Spa)**

STANDARDS

[Principles of ergometry. – Part II: criteria for assessment of the exercise test. Criteria for interpretation (author's transl)] Niederberger M. **Herz** 1982 Feb;7(1):20–8 (114 ref.) (Eng. Abstr.) **(Ger)**

EXERCISE THERAPY

Effects of exercise on reflexes in paraplegic monkeys. Yu J, et al. **Acta Neurobiol Exp (Warsz)** 1981;41(3):271–7 (7 ref.)

Using physical activity and recreation to cope with stress and anxiety: a review. Mobily K. **Am Correct Ther J** 1982 May–Jun;36(3):77–81 (28 ref.)

Cardiac effects of prolonged and intense exercise training in patients with coronary artery disease. Ehsani AA, et al. **Am J Cardiol** 1982 Aug;50(2):246–54

Include exercise in 'purposeful activity' [letter] **Am J Occup Ther** 1982 Jul;36(7):467–8

Exercise conditioning soon after myocardial infarction: effects on myocardial perfusion and ventricular function.

DeBusk RF, et al. **Ann NY Acad Sci** 1982;382:343–54 (29 ref.)

National Exercise and Heart Disease Project. Psychosocial changes observed during a low-level exercise program. Stern MJ, et al. **Arch Intern Med** 1981 Oct;141(11):1463–7

Rehabilitation management of muscular dystrophy and related disorders: I. The role of exercise. Fowler WM Jr, et al. **Arch Phys Med Rehabil** 1982 Jul;63(7):319–21

Swimming and dry land exercises in children with asthma. Schnall R, et al. **Aust Paediatr J** 1982 Mar;18(1):23–7

Exercise conditioning and cardiopulmonary fitness in cystic fibrosis. The effects of a three-month supervised running program. Orenstein DM, et al. **Chest** 1981 Oct;80(4):392–8

Hemodynamics before and after physical endurance training in patients with myocardial infarction under various physical and psychomotor stress tests. Buchwalsky R. **Clin Cardiol** 1982 May;5(5):332–9

Personal experience with cryotherapy as a pretreatment procedure in patients undergoing rehabilitation for elbow joint contractures. Yonkov S, et al. **Folia Med (Plovdiv)** 1981;23(3–4):30–3

Exercise in dialysis patients. Kettner A. **Int J Artif Organs** 1982 Mar;5(2):83–4

Prescription of home exercise therapy for cardiovascular fitness. Mulder JA, et al. **J Fam Pract** 1981 Sep;13(3):345–8

Physical activity as a therapy for psychopathology: a reappraisal. Browman CP. **J Sports Med Phys Fitness** 1981 Jun;21(2):192–7

Effect of exercise training on cardiac function in patients with coronary artery disease. Baltazar RF, et al. **Md State Med J** 1982 May;31(5):57–9

Beneficial effects of exercise on l-isoproterenol induced myocardial infarction in male rats. Darrah MI, et al. **Med Sci Sports Exerc** 1982;14(1):76–80

A role for amines in the antidepressant effect of exercise: a review. Ransford CP. **Med Sci Sports Exerc** 1982; 14(1):1–10 (97 ref.)

Backs and exercise therapy [letter] Barker VC. **NZ Med J** 1982 Feb 24;95(702):128–9

Reduction of hypercalciuria in tetraplegia after weight-bearing and strengthening exercises. Kaplan PE, et al. **Paraplegia** 1981;19(5):289–93

Rehabilitation of knee flexor and knee extensor muscle strength in patients with meniscectomies, ligamentous repairs, and chondromalacia. Campbell DE, et al. **Phys Ther** 1982 Jan;62(1):10–5

And have you done your exercises? Care GR, et al. **Physiotherapy** 1981 Jun;67(6):180

Effect of exercise in Duchenne muscular dystrophy. Scott OM, et al. **Physiotherapy** 1981 Jun;67(6):174–6

Factors influencing strength testing and exercise prescription. Westers BM. **Physiotherapy** 1982 Feb;68(2):42–4

Preventive approach to cardiology: role of exercise training. Cobb FR. **Proc Annu Meet Med Sect Am Counc Life Insur** 1981; 6:97–102

Randomised controlled trial of rehabilitation in chronic respiratory disability. Cockcroft AE, et al. **Thorax** 1981 Mar;36(3):200–3

[Effects of physical activity and mid-alpine climatotherapy on serum lipids on adult diabetics and in obesity] Angelov I, et al. **Vutr Boles** 1981;20(5):93–7 (Eng. Abstr.) **(Bul)**

[Determination of the intensity of motor rehabilitation in patients with ischaemic heart disease (author's transl)] Leso J, et al. **Cas Lek Cesk** 1982 Feb 12;121(10):311–3 (Eng. Abstr.) **(Cze)**

[Therapeutic physical education as part of rehabilitation of schizophrenics (author's transl)] Tabarka K, et al. **Cesk Psychiatr** 1981;77(4):237–40 (Eng. Abstr.) **(Cze)**

[Experience with the long-term rehabilitation of patients with ischacmic disease of the lower extremities (author's transl)] Puchmayer V, et al. **Sb Lek** 1981 Oct;83(10):277–85 (Eng. Abstr.) **(Cze)**

[Value of regular supervised physical training after acute myocardial infarction] Andersen GS, et al. **Ugeskr Laeger** 1981 Nov 2;143(45):2952–5 (Eng. Abstr.) **(Dan)**

[Physical training after acute myocardial infarction] Kelbaek H, et al. **Ugeskr Laeger** 1981 Nov 2;143(45):2949–5 (Eng. Abstr.) **(Dan)**

[Physiological circulatory changes following physical training] Kelbaek H. **Ugeskr Laeger** 1981 Nov 2; 143(45):2947–9 (Eng. Abstr.) **(Dan)**

[Treatment of mentally retarded children with cerebral palsy with intensive muscular training] Nygaard A, et al. **Ugeskr Laeger** 1981 Feb 9;143(7):408–12 (Eng. Abstr.) **(Dan)**

[Muscular training of patients with cerebral palsy] Plum P. **Ugeskr Laeger** 1981 Feb 9;143(7):404–7 (Eng. Abstr.) **(Dan)**

[Muscular weakness corrected by exercise and myotonia (author's transl)] Wasser P, et al. **Rev Otoneuroophtalmol** 1981 Oct-Dec;53(5):401–9 (Eng. Abstr.) **(Fre)**

[Physical activity in the management of hyperlipoproteinemia] Lederer J. **Sem Hop Paris** 1982 May 27;58(21):1285–90 (Eng. Abstr.) **(Fre)**

[Cellular vessel wall trigger mechanisms in the microcirculation (author's transl)] von Ardenne M. **Biomed Tech (Berlin)** 1982 May;27(5):111–8 (Eng. Abstr.) **(Ger)**

[Physical training as therapy for metabolic diseases] Wirth A, et al. **Med Klin [Prax]** 1982 Feb 12;77(4):24–8 **(Ger)**

['Crooked' newborn infants. The work of the physical therapist] Borgstädt T. **Med Welt** 1982 Apr 8;33(14):3 **(Ger)**

[Practical sports medicine, Exercise therapy after sports injuries] Reichel HS. **MMW** 1982 Feb 12;124(6):96, 98, 100 **(Ger)**

[Effect of interval training for length of walk, hemodynamics and ventilation in patients with intermittent claudication. 1. Change in the length of walk] Maass U, et al. **Vasa** 1982; 11(2):91–6 (Eng. Abstr.) **(Ger)**

[Increased endurance and modification of risk factors in the aged by 4 weeks of endurance training therapy] Biermann J, et al. **Z Arztl Fortbild (Jena)** 1981 May 1;75(9):435–7 **(Ger)**

[Physiotherapeutic principles in venous diseases] Freund R. **Z Arztl Fortbild (Jena)** 1981 Aug 15;75(16):778–80 **(Ger)**

[Physical training in obesity] Weck M, et al. **Z Arztl Fortbild (Jena)** 1981 Dec 1;75(23):1103–6 **(Ger)**

[Conservative therapy of fibular ligament lesions] Baumgartner R, et al. **Z Unfallmed Berufskr** 1981; 74(3–4):161–3 **(Ger)**

[Effects of training on the structure and function of the left ventricle in myocardial infarct patients] Chiarella F, et al. **Boll Soc Ital Cardiol** 1980;25(9):1055–8 **(Ita)**

[Functional rehabilitation in osteosynthesis of the femur] Pescatori E, et al. **Chir Ital** 1982 Jun;34(3):455–60 **(Ita)**

[Physical and kinesitherapy of lumbosacral pain] Iocco M, et al. **Chir Organi Mov** 1979 Nov–Dec;65(6):735–40 **(Ita)**

[Forced mobilization under anesthesia] Perricone G, et al. **Chir Organi Mov** 1981;66(5):409–13 (Eng. Abstr.) **(Ita)**

[Rehabilitative therapy after acute myocardial infarct] Fossati C, et al. **Clin Ter** 1982 May 15;101(3):307–18 (118 ref.) (Eng. Abstr.) **(Ita)**

[Physical and exercise therapy of chronic obliterating arteriopathy of the lower limbs: clinical study] Galante M, et al. **Clin Ter** 1982 May 31;101(4):357–62 **(Ita)**

[The effects of physical training and nifedipine on patients recovering from acute myocardial infarction (author's transl)] Greco V, et al. **G Ital Cardiol** 1981;11(10):1441–4 (Eng. Abstr.) **(Ita)**

[Neuropsychological training in the rehabilitative treatment of the adult hemiplegic] Cruccu G, et al. **Riv Neurobiol** 1980 Jan–Mar;26(1):50–5 (Eng. Abstr.) **(Ita)**

[Motor evaluation of the hemiplegic, using the Albert scale] Zamponi A, et al. **Riv Neurobiol** 1980 Jan–Mar;26(1):34–49 (Eng. Abstr.) **(Ita)**

[Exercise training of patients with ischemic heart disease: preliminary study on their trainabilities (author's transl)] Doba N, et al. **Kokyu To Junkan** 1981 Jun;29(6):659–65 (Eng. Abstr.) **(Jpn)**

[Evaluation of various methods of motor rehabilitation after gynecological operations] Brzezina D, et al. **Ginekol Pol** 1981 Aug;52(8):743–6 (Eng. Abstr.) **(Pol)**

[Effect of kinesitherapy on hemodynamics and the physical fitness in young patients with hypertension] Janiszewski M. **Pol Tyg Lek** 1981 May 18;36(20):731–3 **(Pol)**

[Effectiveness of exercise therapy in ankylosing spondylitis] Gieremek K. **Reumatologia** 1981;19(1):53–8 (Eng. Abstr.) **(Pol)**

[Measured physical loads in the immediate postinfarct period] Aleinikova LI, et al. **Kardiologiia** 1982;22(7):31–4 **(Rus)**

[Changes in the skin oxygen regimen and microcirculation as affected by the intensive physical training of myocardial infarct patients] Aronov DM, et al. **Kardiologiia** 1982 Jan; 22(1):44–9 (Eng. Abstr.) **(Rus)**

[Physical exercise in patients with angina pectoris of effort] Liusov VA, et al. **Kardiologiia** 1982 May;22(5):102–7 (Eng. Abstr.) **(Rus)**

[Thermographic evaluation of the effectiveness of therapeutic physical exercise in neurocirculatory dystonia] Giiasov GI, et al. **Med Radiol (Mosk)** 1981 Nov;26(11):73–4 **(Rus)**

[Effect of massage and gymnastics on the cerebral cortex function in premature infants] Obolenskaia LV, et al. **Pediatriia** 1981 Nov;(11):56–7 **(Rus)**

[Exercise therapy in patients with trauma of cervical vertebrae and spinal cord] Epifanov VA, et al. **Sov Med** 1981;(9):103–5 **(Rus)**

[Quantitative evaluation of the prognosis of the effectiveness of physical rehabilitation of myocardial infarct patients at the sanatorium stage] Bel'skii NE, et al. **Ter Arkh** 1981; 53(8):23–5 (Eng. Abstr.) **(Rus)**

[Physical training as one of the factors of rehabilitation of patients in the early stages of cardiac insufficiency] Krol VA. **Ter Arkh** 1981;53(8):85–7 (Eng. Abstr.) **(Rus)**

[Psychological effect of prolonged physical training in patients with a history of myocardial infarct] Zaitsev VP, et al. **Ter Arkh** 1982;54(5):27–9 (Eng. Abstr.) **(Rus)**

[Importance of static efforts of muscle antagonists in the therapeutic physical exercise of polyradiculoneuritis patients] Melamed IT, et al. **Vopr Kurortol Fizioter Lech Fiz Kult** 1981 Jul–Aug;(4):60–2 **(Rus)**

[Role of physical exercise in water in the complex treatment of patients with rheumatoid arthritis at the health resorts] Zmievskaia LD, et al. **Vopr Kurortol Fizioter Lech Fiz Kult** 1981 Nov–Dec; (6):30–2 (Eng. Abstr.) **(Rus)**

[Therapeutic physical exercise in the combined treatment of hypertension and alimentary obesity] Luganskii IuN, et al. **Vrach Delo** 1982 Feb;(2):54–7 (Eng. Abstr.) **(Rus)**

[Functional therapy of the syndrome of painful dysfunction of the jaw joint (author's transl)] Filipović V, et al. **Lijec Vjesn** 1981 Sep;103(9):380–3 (Eng. Abstr.) **(Scr)**

[Study of peripheral arterial circulation using mechanical oscillography in hemipareses and hemiplegias during kinesitherapy] Stanić R, et al. **Med Pregl** 1981; 34(1–2):35–41 (Eng. Abstr.) **(Scr)**

[The pros and cons of exercise therapy in rehabilitation after myocardial infarct] Palát M. **Vnitr Lek** 1981 Oct; 27(10):942–7 (Eng. Abstr.) **(Slo)**

[Results of early rehabilitation in the Sliač spa after myocardial infarct] Procházka Z, et al. **Vnitr Lek** 1981 Oct; 27(10):948–56 (Eng. Abstr.) **(Slo)**

ADVERSE EFFECTS

Medical problems and physiologic responses during supervised inpatient cardiac rehabilitation: the patient after coronary artery bypass grafting. Dion WF, et al. **Heart Lung** 1982 May–Jun;11(3):248–55

Autonomic hyperreflexia following passive stretching to the hip joint. McGarry J, et al. **Phys Ther** 1982 Jan;62(1):30–1

HISTORY

[Notes on the development of physical education and medical gymnastics in Italy] Cremona GF. **Ann Osp Maria Vittoria Torino** 1981 Jan–Jun;24(1–6):210–6 **(Ita)**

INSTRUMENTATION

Blocking splints to assist finger exercise. English CB, et al. **Am J Occup Ther** 1982 Apr;36(4):259–62

Mechanical prevention of lung thromboembolism [letter] Almansa Pastor A. **Chest** 1982 Sep;82(3):392

A work simulator for rehabilitating the upper extremity–preliminary report. Curtis RM, et al. **J Hand Surg** 1981 Sep;6(5):499–501

Bicycle pedal modifications for use in a physical therapy department. Handling KA. **Phys Ther** 1982 Jul;62(7):997

Using an isokinetic exercise machine to improve the gait pattern in a hemiplegic patient. A case report. Wilder PA, et al. **Phys Ther** 1982 Sep;62(9):1291–5

Telemetered monitoring in exercise therapy programs. Metcalf JA, et al. **Va Med** 1982 Feb;109(2):130–1

[The isometric exercise-cushion as an aid in curing low-back pain (author's transl)] Dausy R, et al. **J Belge Med Phys Rehabil** 1981;4(2):61–70 (Eng. Abstr.) **(Dut)**

[Physical therapy using an exercise machine in arm paralysis] Pustovoltenko VT. **Vopr Kurortol Fizioter Lech Fiz Kult** 1982 Jan–Feb; (1):68–70 **(Rus)**

METHODS

The Pennsylvania horseback riding program for cerebral palsy. Haskin M, et al. **Am J Phys Med** 1982 Jun; 61(3):141–4

Rehabilitation management of muscular dystrophy and related disorders: I. The role of exercise. Fowler WM Jr, et al. **Arch Phys Med Rehabil** 1982 Jul;63(7):319–21

Soft tissue injury rehabilitation: isokinetics, a new concept. Keniham MA, et al. **Aust Fam Physician** 1981 Jul;10(7 Suppl):17–20

Cardiac rehabilitation: state of the art. Goldmann MA. **Geriatrics** 1981 Nov;36(11):103–12

Isokinetic strength training: comparison of daily and three times weekly patterns. Rozier CK, et al. **Int J Rehabil Res** 1981;4(3):345–51

The use of silicone oil for mobilisation of the hand. Helal B, et al. **J Bone Joint Surg [Br]** 1982;64(1):67–9

Effects of therapeutic exercise on masticatory function in patients with progressive muscular dystrophy. Kawazoe Y, et al. **J Neurol Neurosurg Psychiatry** 1982 Apr; 45(4):343–7

Wheelchair exercise: a review. Dreisinger TE, et al. **Paraplegia** 1982 Feb;20(1):20–34

Respiratory muscle function, assessment, and training. Shaffer TH, et al. **Phys Ther** 1981 Dec;61(12):1711–23

The Bad Ragaz ring method. Boyle AM. **Physiotherapy** 1981 Sep;67(9):265–8

The organisation and rehabilitation of the post myocardial infarction patient. **Singapore Med J** 1981 Aug;22(4):233–5

Rehabilitation of the coronary patient. Wenger NK. **Singapore Med J** 1981 Aug;22(4):239–46

[The 'movement-18-method'. A therapeutic contribution to the nation's health by the Peoples Republic of China. Part 2] Werner R. **Off Gesundheitswes** 1982 May;44(5):328–46 **(Ger)**

[Five years of movement therapy – experiences from health resort work (author's transl)] Haizmann R. **Rehabilitation (Stuttg)** 1982 Feb;21(1):1–7 (Eng. Abstr.) **(Ger)**

[On the significance of combined kinesitherapy for the rehabilitation of ageing people with essential hypertension (author's transl)] Winterfeld HS, et al. **ZFA (Dresden)** 1981; 36(2):129–31 (Eng. Abstr.) **(Ger)**

[Program and results of 10 weeks' physical training of myocardial infarct patients and patients with exertion stenocardia] Liusov VA, et al. **Kardiologiia** 1982 Jan; 22(1):49–53 (Eng. Abstr.) **(Rus)**

[Changes in myocardial bioelectrical activity in ischemic

heart disease as affected by medical gymnastic procedures during combined therapy at a central highlands health resort] Gubanova VI, et al.
Vopr Kurortol Fizioter Lech Fiz Kult 1981 Sep-Oct; (5):38-41 (Eng. Abstr.) **(Rus)**
[Therapeutic physical exercise in obesity] Moshkov VN.
Vopr Kurortol Fizioter Lech Fiz Kult 1981 Jul-Aug; (4):69-71 **(Rus)**

PSYCHOLOGY

The National Exercise and Heart Disease Project: Long-term psychosocial outcome. Stern MJ, et al.
Arch Intern Med 1982 Jun;142(6):1093-7
Patient reaction to the Singapore General Hospital cardiac rehabilitation programme. Sabapathy FR.
Singapore Med J 1981 Aug;22(4):236-8

EXERTION

see related
FATIGUE
SPORTS
WORK

Symphathetic activity in labile essential hypertension in young men. Part II. Influence of exercise on plasma catecholamines. Ryšánek K, et al.
Act Nerv Super (Praha) 1982 Mar;24(1):30-1
Systolic time intervals during isometric exercise in supine position should be corrected also for arterial pressure. Cinelli P, et al. **Acta Cardiol (Brux)** 1982;37(2):93-103
Application of a temporal Fourier transform for evaluation of regional wall motion disturbances by radionuclide ventriculography at rest and at exercise. Bossuyt A, et al.
Acta Cardiol [Suppl] (Brux) 1981;26:105-11
Physical exercise and carbohydrate and lipid metabolism. Chakroun R, et al. **Acta Cardiol [Suppl] (Brux)** 1981; 27:51-68
Effect of image computer processing on the sensitivity and specificity of stress myocardial scintigraphy. Lenaers A, et al. **Acta Cardiol [Suppl] (Brux)** 1981;26:95-103
Radionuclide angiography during exercise: review of methodology and results in normal subjects. Rigo P, et al. **Acta Cardiol [Suppl] (Brux)** 1981;26:87-94
Release of hypoxanthine and phosphate from exercising human legs with and without arterial insufficiency. Sørlie D, et al. **Acta Med Scand** 1982;211(4):281-6
Further study of physical exercise and locomotor balance compensation after unilateral labyrinthectomy in squirrel monkeys. Igarashi M, et al. **Acta Otolaryngol (Stockh)** 1981 Jul-Aug;92(1-2):101-5
Treatment of obese schoolchildren with special reference to the mode of therapy, cardiorespiratory performance and the carbohydrate and lipid metabolism. Ylitalo V.
Acta Paediatr Scand [Suppl] 1981;290:1-108
The effect of increased cardiac pressure load and volume load on the size of myocardial infarction following coronary artery occlusion. Torniing G, et al.
Acta Pathol Microbiol Scand [A] 1981 Jul;89(4):309-12
Chromoendocrinological studies in athletes. IV. Multiple hormonal responses to submaximal muscular exercise. Dobrzański T, et al. **Acta Physiol Pol** 1981 Sep-Oct; 32(5):529-36
Effect of exercise on the content of lipids, cholesterol and on the composition of fatty acids in the adrenals of rats receiving rapeseed oil in diet. Kucharczyk B, et al.
Acta Physiol Pol 1981 May-Jun;32(3):263-76
Effect of tenotomy and denervation on the early post-exercise glycogen recovery in skeletal muscles of the rat. Stankiewicz-Niczyporowicz J, et al.
Acta Physiol Pol 1981 Jul-Aug;32(4):449-54
Blood flow in 'red' and "white' calf muscles in cats during isometric and isotonic exercise. Bonde-Petersen F, et al.
Acta Physiol Scand 1981 Jul;112(3):243-51
Leg blood flow during exercise in man in relation to muscle fibre composition. Frisk-Holmberg M, et al.
Acta Physiol Scand 1981 Jul;112(3):339-42
Lactate concentrations after short, maximal exercise at various glycogen levels. Jacobs I. **Acta Physiol Scand** 1981 Apr;111(4):465-9
Onset of blood lactate accumulation after prolonged exercise. Jacobs I, et al. **Acta Physiol Scand** 1981 Jun;112(2):215-7
Adaptive changes in work capacity, skeletal muscle capillarization and enzyme levels during training and detraining. Klausen K, et al. **Acta Physiol Scand** 1981 Sep; 113(1):9-16
Adipose tissue perfusion and fatty acid release in exercising rats. Larsen T, et al. **Acta Physiol Scand** 1981 Sep; 113(1):111-6
Effects of age and prolonged running on proteolytic capacity in mouse cardiac and skeletal muscles. Salminen A, et al.
Acta Physiol Scand 1981 May;112(1):89-95
Blood pressure and heart rate response to static exercise in relation to electromyographic activity and force development. Schibye B, et al. **Acta Physiol Scand** 1981 Sep;113(1):61-6
Lactate, muscle glycogen and exercise performance in man. Jacobs I. **Acta Physiol Scand [Suppl]** 1981;495:1-35
Effect of prolonged exercise on plasma catecholamines. Stejskal P. **Acta Univ Palacki Olomuc Fac Med** 1982; 102:107-15
Functional transformation of the fascia brachii lateralis and fascia antebrachii on the forelimb of sports horses. Gyürü F. **Acta Vet Acad Sci Hung** 1981;29(2):197-212
Effects of infarct size, smoking, physical activity and some psychological factors on prognosis after myocardial infarction. Wilhelmsen L, et al. **Adv Cardiol** 1982;29:119-25
Prolonged benign exertional headache: clinical characteristics and response to indomethacin. Diamond S, et al.
Adv Neurol 1982;33:145-9
Serum enzyme CK-B rise following exhaustive physical exercise [letter] Bark S, et al. **Am Heart J** 1981 Dec;102(6 Pt 1):1079-80
Reduction of submaximal exercise myocardial oxygen demand post-walk training program in coronary patients due to improved physical work efficiency. Dressendorfer RH, et al. **Am Heart J** 1982 Mar;103(3):358-62
Reproducibility of equilibrium radionuclide ventriculography in patients with coronary artery disease: response of left ventricular ejection fraction and regional wall motion to supine bicycle exercise. Hecht HS, et al. **Am Heart J** 1982 Sep;104(3):567-74
Comparison of platelet function during exercise in normal subjects and coronary artery disease patients: Potential role of platelet activation in myocardial ischemia. Mehta J, et al. **Am Heart J** 1982 Jan;103(1):49-53
Exercise provocable right ventricular outflow tract tachycardia. Palileo EV, et al. **Am Heart J** 1982 Aug;104(2 Pt 1):185-93
Comparative analysis of physiologic responses to three different maximal graded exercise test protocols in healthy women. Pollock ML, et al. **Am Heart J** 1982 Mar; 103(3):363-73
Walk-through angina phenomenon demonstrated by graded exercise radionuclide ventriculography: possible coronary spasm mechanisms. Rizi HR, et al. **Am Heart J** 1982 Feb; 103(2):292-5
The value of exercise in testing beta blockade and airway reactivity in asthmatic patients. Sue DY, et al.
Am Heart J 1982 Aug;104(2 Pt 2):442-5
Noninvasive assessment of changes in myocardial perfusion and ventricular performance following exercise training. Tubau J, et al. **Am Heart J** 1982 Aug;104(2 Pt 1):238-48
Evidence of impaired myocardial perfusion and abnormal left ventricular function during exercise in patients with isolated systolic narrowing of the left anterior descending coronary artery. Ahmad M, et al. **Am J Cardiol** 1981 Nov; 48(5):832-6
Intravenous dipyridamole combined with isometric handgrip for near maximal acute increase in coronary flow in patients with coronary artery disease. Brown BG, et al.
Am J Cardiol 1981 Dec;48(6):1077-85
Exercise responses before and after physical conditioning in patients with severely depressed left ventricular function. Conn EH, et al. **Am J Cardiol** 1982 Feb 1;49(2):296-300
Early hypertension and cardiac work. Dreslinski GR, et al.
Am J Cardiol 1982 Jul;50(1):149-51
Hemodynamic response to captopril at rest and during exercise in hypertensive patients. Fagard R, et al.
Am J Cardiol 1982 Apr 21;49(6):1569-71
Changes in R wave amplitude during aerobic exercise stress testing in hypertensive adolescents. Falkner B, et al.
Am J Cardiol 1982 Jul;50(1):152-6
Echocardiographic measures in 6 to 7 year old children after an 8 month exercise program. Geenen DL, et al.
Am J Cardiol 1982 Jun;49(8):1990-5
Clinical implications of increased lung uptake of thallium-201 during exercise scintigraphy 2 weeks after myocardial infarction. Gibson RS, et al. **Am J Cardiol** 1982 May; 49(7):1586-93
Divergent effects of diltiazem in patients with exertional angina. Hossack KF, et al. **Am J Cardiol** 1982 Feb 18; 49(3):538-46
Comparison of antihypertensive and hormonal effects of captopril and propranolol at rest and during exercise. Pickering TG, et al. **Am J Cardiol** 1982 Apr 21;49(6):1566-8
Long-term efficacy of diltiazem in chronic stable angina associated with atherosclerosis: effect on treadmill exercise. Pool PE, et al. **Am J Cardiol** 1982 Feb 18;49(3):573-7
Verapamil in stable effort angina: effects on left ventricular function evaluated with exercise radionuclide ventriculography. Tan AT, et al. **Am J Cardiol** 1982 Feb 1;49(2):425-30
Effect of exercise training on the untrained limb exercise performance of men with angina pectoris. Thompson PD, et al. **Am J Cardiol** 1981 Nov;48(5):844-50
Effects of isosorbide dinitrate and hydralazine on regional metabolic responses to arm exercise in patients with heart failure. Wilson JR, et al. **Am J Cardiol** 1981 Nov; 48(5):934-8
Tai Chi Chuan. Koh TC. **Am J Chin Med** 1981 Spring; 9(1):15-22
Effect of a meal and previous exercise on the oxygen consumption/heart rate relationship [letter] Balwin K, et al. **Am J Clin Nutr** 1982 Jan;35(1):177-8
A school-based behavior modification, nutrition education, and physical activity program for obese children. Brownell KD, et al. **Am J Clin Nutr** 1982 Feb;35(2):277-83
Dietary potassium and heavy exercise: effects on muscle water and electrolytes. Costill DL, et al.
Am J Clin Nutr 1982 Aug;36(2):266-75
Anthropometric and cycloergometric assessment of the nutritional status of the children of agricultural migrant workers in Southern Brazil. Desai ID, et al.
Am J Clin Nutr 1981 Sep;34(9):1925-34
Moderate diet control in children: the effects on metabolic indicators that predict obesity-related degenerative diseases. Kahle EB, et al. **Am J Clin Nutr** 1982 May; 35(5):950-7
Body composition and physical activity in 8-year-old children. Ku LC, et al. **Am J Clin Nutr** 1981 Dec; 34(12):2770-5
Metabolic alterations induced by voluntary exercise and discontinuation of exercise in hamsters. Tsai AC, et al.
Am J Clin Nutr 1982 May;35(5):943-9
Voluntary food intake during prolonged exercise in obese women. Woo R, et al. **Am J Clin Nutr** 1982 Sep; 36(3):478-84
Effect of exercise on spontaneous calorie intake in obesity. Woo R, et al. **Am J Clin Nutr** 1982 Sep;36(3):470-7
Exercise-induced changes in common laboratory tests. Priest JB, et al. **Am J Clin Pathol** 1982 Mar;77(3):285-9
Physical activity and risk of myocardial infarction, cerebral stroke and death: a longitudinal study in Eastern Finland. Salonen JT, et al. **Am J Epidemiol** 1982 Apr;115(4):526-37
Exercise-associated amenorrhea: a distinct entity? Schwartz B, et al. **Am J Obstet Gynecol** 1981 Nov 15;141(6):662-70
Fusimotor system involvement in the tranquilizer effect of exercise. deVries HA, et al. **Am J Phys Med** 1982 Jun; 61(3):111-22
Evaluation of myocardial performance during wheelchair ergometer exercise. Wilde SW, et al. **Am J Phys Med** 1981 Dec;60(6):277-91
Computer simulation of metabolism of glucose-perfused rat heart in a work-jump. Achs MJ, et al. **Am J Physiol** 1982 Sep;243(3):R389-99
Effects of experimental volume-overload hypertrophy on myocardial blood flow and cardiac function. Badke FR, et al. **Am J Physiol** 1981 Oct;241(4):H564-70
Muscle fatigue with prolonged exercise: contractile and biochemical alterations. Fitts RH, et al. **Am J Physiol** 1982 Jan;242(1):C65-73
Renal function, heart rate, and blood pressure during exercise and avoidance in dogs. Grignolo A, et al.
Am J Physiol 1982 May;242(5):R482-90
Effect of exercise on rates of oxidation, turnover, and plasma clearance of leucine in human subjects. Hagg SA, et al.
Am J Physiol 1982 Jun;242(6):E407-10
Reactive and exercise hyperemia during high levels of adenosine infusion. Hester RL, et al. **Am J Physiol** 1982 Aug;243(2):H181-6
alpha-Adrenergic control of oxygen delivery to myocardium during exercise in conscious dogs. Heyndrickx GR, et al.
Am J Physiol 1982 May;242(5):H805-9
Partial prevention of glucocorticoid-induced muscle atrophy by endurance training. Hickson RC, et al.
Am J Physiol 1981 Sep;241(3):E226-32
Active and passive capillary control in red muscle at rest and in exercise. Honig CR, et al. **Am J Physioi** 1982 Aug; 243(2):H196-206
Persistent increase in glucose uptake by rat skeletal muscle following exercise. Ivy JL, et al. **Am J Physiol** 1981 Nov; 241(5):C200-3
Relationships between adenosine and coronary resistance in conscious exercising dogs. McKenzie JE, et al.
Am J Physiol 1982 Jan;242(1):H24-9
Maintained ability of carotid baroreflex to regulate arterial pressure during exercise. Melcher A, et al.
Am J Physiol 1981 Dec;241(6):H838-49
Lack of influence of potassium or osmolality on steady-state exercise hyperemia. Mohrman DE. **Am J Physiol** 1982 Jun; 242(6):H949-54
Metabolic response of normal man and insulin-infused diabetics to postprandial exercise. Nelson JD, et al.
Am J Physiol 1982 May;242(5):E309-16
Catecholamine release and blood pressure changes induced by exercise in dogfish. Opdyke DF, et al.
Am J Physiol 1982 Mar;242(3):R306-10
Endurance training attenuates stress hormone responses to exercise in fasted rats. Winder WW, et al.
Am J Physiol 1982 Jul;243(1):R179-84
Monitoring dynamic anterior compartment pressures during exercise. A new technique using the STIC catheter. McDermott AG, et al. **Am J Sports Med** 1982 Mar-Apr; 10(2):83-9
Kinesiology. III. An analysis of peak efforts in sports activities. Miller WE. **Am J Sports Med** 1982 Jan-Feb; 10(1):38-9
Effects of exercise on the histochemical changes of articular chondrocytes in adult dogs. Kincaid SA, et al.
Am J Vet Res 1982 Jul;43(7):1218-26
Exercise-induced pulmonary hemorrhage in Thoroughbreds after racing and breezing. Raphel CF, et al.
Am J Vet Res 1982 Jul;43(7):1123-7
Exercise in the dog with Dirofilaria immitis infection. Rawlings CA. **Am J Vet Res** 1981 Dec;42(12):2057-60
Cardiorespiratory adaptations to exercise in cystic fibrosis. Cerny FJ, et al. **Am Rev Respir Dis** 1982 Aug;126(2):217-20
Exercise testing in evaluation of patients for lung resection. Colman NC, et al. **Am Rev Respir Dis** 1982 May; 125(5):604-6
Exercise tolerance and cardiorespiratory adjustments at peak work capacity in cystic fibrosis. Cropp GJ, et al.
Am Rev Respir Dis 1982 Aug;126(2):211-6
Gas exchange at rest and during exercise in adults with cystic fibrosis. Dantzker DR, et al. **Am Rev Respir Dis** 1982 Apr; 125(4):400-5

Chest wall and abdominal motion during exercise in patients with chronic obstructive pulmonary disease. Delgado HR, et al. **Am Rev Respir Dis** 1982 Aug;126(2):200–5

Exercise increases sulfur dioxide–induced bronchoconstriction in asthmatic subjects [letter] Orehek J. **Am Rev Respir Dis** 1981 Oct;124(4):512–3

Circulatory transport of oxygen in patients with chronic airflow obstruction exercising maximally. Raffestin B, et al. **Am Rev Respir Dis** 1982 Apr;125(4):426–31

The behavior of the Nicoladoni–Branham sign at rest and under effort. Longo T, et al. **Angiology** 1981 Nov; 32(11):797–803

Comparison of blood pressure and rate–pressure product responses in maximal dynamic and isometric exercise. Chaney RH. **Ann Acad Med Singapore** 1981 Oct;10(4 Suppl):7–10

Weight lifter's cephalgia. Powell B. **Ann Emerg Med** 1982 Aug;11(8):449–51

'Effort thrombosis' of the subclavian vein associated with oral contraceptives. Stricker SJ, et al. **Ann Emerg Med** 1981 Nov;10(11):596–9

Maximal aerobic power in trained youths at high altitude. Greksa LP, et al. **Ann Hum Biol** 1982 May–Jun;9(3):201–9

Longitudinal comparison of aerobic power in active and inactive boys aged 7.0 to 17.0 years. Mirwald RL, et al. **Ann Hum Biol** 1981 Sep–Oct;8(5):405–14

Exercise–triggered paroxysmal ventricular tachycardia. A repetitive rhythmic activity possibly related to afterdepolarization. Wu D, et al. **Ann Intern Med** 1981 Oct; 95(4):410–4

Influence of physical training on the effects of dietary oils on cardiac morphology and phospholipids in rats. Rocquelin G, et al. **Ann Nutr Metab** 1981;25(6):350–61

Variation in circulating immune complex levels with diet, exercise, and sleep: a comparison between normal controls and patients with systemic lupus erythematosus. Isenberg DA, et al. **Ann Rheum Dis** 1981 Oct;40(5):466–9

Radionuclide ventriculography following coronary bypass surgery: correlation with arteriographic findings. Lindsay J Jr, et al. **Ann Thorac Surg** 1982 Mar;33(3):238–43

Brain cooling in endotherms in heat and exercise. Baker MA. **Annu Rev Physiol** 1982;44:85–96 (66 ref.)

Cystic fibrosis: physical exercise versus chest physiotherapy. Zach M, et al. **Arch Dis Child** 1982 Aug;57(8):587–9

The mechanism of exercise–induced R–wave amplitude changes in coronary heart disease. Still controversial. Ellestad MH. **Arch Intern Med** 1982 May;142(5):963–5

Cardiovascular responses to isometric exercise in patients with mitral stenosis. Comparison with normal subjects and patients with depressed ejection fraction. Flessas AP, et al. **Arch Intern Med** 1982 Sep;142(9):1629–33

Exercise thallium 201 scintigraphy and radionuclide ventriculography. Which test, for whom, and why? Iskandrian AS, et al. **Arch Intern Med** 1982 May; 142(5):872–3

Response to exercise in patients taking psychotropic drugs. Arrhythmias and the QT interval (QT wave peak). Johnson RE, et al. **Arch Intern Med** 1982 Apr;142(4):755–9

March myoglobinemia: a hazard to renal function. Melamed I, et al. **Arch Intern Med** 1982 Jul;142(7):1277–9

Energy cost and heart rate response to static and dynamic leg exercise. Danoff PL, et al. **Arch Phys Med Rehabil** 1982 Mar;63(3):130–4

Cardiovascular and perceptual responses to isometric exercise. Goldberg LI, et al. **Arch Phys Med Rehabil** 1982 May;63(5):211–6

Reinnervating rat skeletal muscle: effect of 35% grade treadmill exercise. Herbison GJ, et al. **Arch Phys Med Rehabil** 1982 Jul;63(7):313–8

Muscle metabolism during exercise. Holloszy JO. **Arch Phys Med Rehabil** 1982 May;63(5):231–4

Physical activity and inactivity influences on 14C–leucine incorporation in reinnervated rat gastrocnemius. Jaweed MM, et al. **Arch Phys Med Rehabil** 1982 Jan;63(1):28–31

Longitudinal study (32 years) of exercise tolerance, breathing response, blood pressure, and blood lipids in young men. Gillum RF, et al. **Arteriosclerosis** 1981 Nov–Dec; 1(6):455–62

Running inhibits the reversal of atrophic changes in canine knee cartilage after removal of a leg cast. Palmoski MJ, et al. **Arthritis Rheum** 1981 Nov;24(11):1329–37

Serum high density lipoprotein cholesterol levels in African schoolchildren living near or very far from school. Walker AR, et al. **Atherosclerosis** 1982 Jan;41(1):35–40

Effects of exercise and plane of nutrition on nutrient utilization by the hind limb of the sheep. Bird AR, et al. **Aust J Biol Sci** 1981;34(5–6):541–50

Effects of somatostatin and adrenergic blockade on glucagon, insulin and glucose in exercising sheep. Brockman RP, et al. **Aust J Biol Sci** 1981;34(5–6):551–60

Effect of orthostatic stress on exercise performance after bedrest. Convertino VA, et al. **Aviat Space Environ Med** 1982 Jul;53(7):652–7

Effects of antiorthostatic bedrest on the cardiorespiratory responses to exercise. Convertino VA, et al. **Aviat Space Environ Med** 1981 Apr;52(4):251–5

The effect of two years' training on aerobic power and muscle strength in male and female cadets. Daniels WL, et al. **Aviat Space Environ Med** 1982 Feb;53(2):117–21

Postexercise blood pressure as a predictor of hypertension. Davidoff R, et al. **Aviat Space Environ Med** 1982 Jun; 53(6):591–4

A study of treadmill exercise protocols for Chinese males. Ho BL. **Aviat Space Environ Med** 1982 Feb;53(2):112–6

Measurement of cardiopulmonary performance during acute exposure to a 2440–m equivalent atmosphere. Levitan BM, et al. **Aviat Space Environ Med** 1982 Jul;53(7):639–42

Change in plasma cAMP and catecholamines in men subjected to the same relative amount of physical work stress. Painter PC, et al. **Aviat Space Environ Med** 1982 Jul;53(7):683–6

The strength–endurance relationship in skeletal muscle: its application to helmet design. Petrofsky JS, et al. **Aviat Space Environ Med** 1982 Apr;53(4):365–9

Ventilation and acid–base equilibrium for upper body and lower body exercise. Sawka MN, et al. **Aviat Space Environ Med** 1982 Apr;53(4):354–9

Acceleration induced voltage variations in the electrocardiogram during exhaustive simulated aerial combat maneuvering. Whinnery JE. **Aviat Space Environ Med** 1982 Feb;53(2):147–52

Coronary collaterals: role in restoration of blood flow and preservation of cardiac function during exercise. Cohen MV, et al. **Basic Res Cardiol** 1981 Sep–Oct;76(5):474–9

Static exercise in anesthetized dogs, a cause of reflex alpha–adrenergic coronary vasoconstriction. Longhurst JC, et al. **Basic Res Cardiol** 1981 Sep–Oct;76(5):530–5

The role of lysosomes in exercise–induced hepatic protein loss. Kasperek GJ, et al. **Biochem J** 1982 Feb 15; 202(2):281–8

Measurement of in vivo protein synthesis in rats during an exercise bout. Dohm GL, et al. **Biochem Med** 1982 Jun; 27(3):367–73

The effects of exercise upon sleep: a critical review. Horne JA. **Biol Psychol** 1981 Jun;12(4):241–90 (95 ref.)

Cycle ergometer for dynamic exercise studies. Sherrill DL, et al. **Biomed Sci Instrum** 1981;17:11

Mechanical properties of tendons and ligaments. II. The relationships of immobilization and exercise on tissue remodeling. Woo SL, et al. **Biorheology** 1982;19(3):397–408

Comparison of radiotelemetry of blood pressure and standard exercise tests. Zerzawy R, et al. **Biotelem Patient Monit** 1981;8(1–2):90–9

Exercise–induced hemolysis in sickle cell anemia: shear sensitivity and erythrocyte dehydration. Platt OS. **Blood** 1982 May;59(5):1055–60

A new case of phosphoglycerate kinase deficiency: PGK Creteil associated with rhabdomyolysis and lacking hemolytic anemia. Rosa R, et al. **Blood** 1982 Jul;60(1):84–91

Cardiac output and cardiac load during isometric exercise in man. Veicsteinas A, et al. **Boll Soc Ital Biol Sper** 1982 Apr 30;58(8):457–61

Clinical significance of exercise–induced ST segment elevation. Correlative angiographic study in patients with ischaemic heart disease. de Feyter PJ, et al. **Br Heart J** 1981 Jul;46(1):84–92

Myocardial infarct size and cardiac performance at exercise soon after myocardial infarction. Grande P, et al. **Br Heart J** 1982 Jan;47(1):44–50

Diurnal variation in exercise responses in angina pectoris. Joy M, et al. **Br Heart J** 1982 Aug;48(2):156–60

Evaluation of left ventricular performance during supine exercise by transoesophageal M–mode echocardiography in normal subjects. Matsumoto M, et al. **Br Heart J** 1982 Jul;48(1):61–6

Immediate and sustained haemodynamic effects of prazosin during upright exercise in man. Silke B, et al. **Br Heart J** 1981 Dec;46(6):663–70

Effects of beta–adrenoceptor blockade on carbohydrate metabolism during exercise—comparison of pindolol and metoprolol. Dorow P. **Br J Clin Pharmacol** 1982;13(Suppl 2):429S–430S

Comparison of beta–adrenoceptor blockers under maximal exercise (pindolol v metoprolol v atenolol). Eriksson J, et al. **Br J Clin Pharmacol** 1982;13(Suppl 2):201S–209S

A study of nadolol to determine its effect on ambulatory blood pressure over 24 hours, and during exercise testing. Hornung RS, et al. **Br J Clin Pharmacol** 1982 Jul;14(1):83–8

Influence of intrinsic sympathomimetic activity of beta–adrenoceptor blockers on the heart rate and blood pressure responses to graded exercise. Jennings G, et al. **Br J Clin Pharmacol** 1981 Sep;12(3):355–62

Comparison between atenolol and nadolol in essential hypertension at rest and on exercise. Wilcox RG, et al. **Br J Clin Pharmacol** 1982 Jun;13(6):841–6

The effects of nebulized salbutamol on lung function and exercise tolerance in patients with severe airflow obstruction. Connellan SJ, et al. **Br J Dis Chest** 1982 Apr; 76(2):135–42

An analysis of submaximal exercise responses in patients with sarcoidosis and fibrosing alveolitis. Spiro SG, et al. **Br J Dis Chest** 1981 Apr;75(2):169–80

Blunted sympathoadrenal response to exercise in asthmatic subjects. Warren JB, et al. **Br J Dis Chest** 1982 Apr; 76(2):147–50

Diaphragmatic breathing training and walking performance in chronic airways obstruction. Williams IP, et al. **Br J Dis Chest** 1982 Apr;76(2):164–6

Quantitative studies on the numerical frequency of myonuclei in the muscles of exercised rats: evidence against the occurrence of fibre–splitting. James NT, et al. **Br J Exp Pathol** 1981 Dec;62(6):600–5

The effects of physical exercise on metabolic rate and dietary–induced thermogenesis. Gleeson M, et al. **Br J Nutr** 1982 Mar;47(2):173–81

Body weight, exercise and menstrual status among ballet dancers in training. Abraham SF, et al. **Br J Obstet Gynaecol** 1982 Jul;89(7):507–10

Thyroid function and physical activity. A preliminary communication. Adler J, et al. **Br J Sports Med** 1981 Dec; 15(4):261–4

Pre– and post–adolescents' physiological response to exercise. Bale P. **Br J Sports Med** 1981 Dec;15(4):246–9

Validity of the Astrand–Ryhming nomogram for predicting maximal oxygen intake. Cink RE, et al. **Br J Sports Med** 1981 Sep;15(3):182–5

Blood lactate concentration following maximum exercise in trained subjects. Gass GC, et al. **Br J Sports Med** 1981 Sep;15(3):172–6

Exertion injuries in female athletes. Orava S, et al. **Br J Sports Med** 1981 Dec;15(4):229–33

Physiological, psychological and performance measures during an endurance record for 5–a–side soccer play. Reilly T, et al. **Br J Sports Med** 1981 Jun;15(2):122–8

Two–, six–, and 12–minute walking tests in respiratory disease. Butland RJ, et al. **Br Med J [Clin Res]** 1982 May 29;284(6329):1607–8

Two–, six–, and 12–minute walking test in respiratory disease [letter] Morice A, et al. **Br Med J [Clin Res]** 1982 Jul 24; 285(6337):295

The perception of motor commands or effort during muscular paralysis. Gandevia SC. **Brain** 1982 Mar;105(Pt 1):151–9

Potassium–induced ventilatory reflexes originating from the dog hindlimb during rest and passive exercise. Leite–de–Barros–Neto T, et al. **Braz J Med Biol Res** 1981 Oct;14(4–5):285–90

Exercise and distribution of inspired gas in patients with obstructive pulmonary disease. Cutillo A, et al. **Bull Eur Physiopathol Respir** 1981 Nov–Dec;17(6):891–901

Breathing during exercise in airway obstruction. Jones NL. **Bull Eur Physiopathol Respir** 1981;17(5):737–9

Changes in functional residual capacity during exercise in patients with exercise–induced asthma. Kiers A, et al. **Bull Eur Physiopathol Respir** 1981 Nov–Dec;17(6):869–78

Changes in exhaled pulmonary diffusing capacity at rest and exercise in individuals with impaired positional diffusion. McClean PA, et al. **Bull Eur Physiopathol Respir** 1981; 17(2):179–86

Respiratory drive during exercise in chronic obstructive lung disease. Sergysels R, et al. **Bull Eur Physiopathol Respir** 1981;17(5):755–66

Canadian Association of Sports Sciences position paper on protection from exertional heat injuries. June, 1981. **Can J Appl Sport Sci** 1981 Sep;6(3):99–100

Exercise effect upon plasma melatonin levels in women: possible physiological significance. Bullen BA, et al. **Can J Appl Sport Sci** 1982 Jun;7(2):90–7

Daily energy expenditure of young boys as related to maximal aerobic power. Cunningham DA, et al. **Can J Appl Sport Sci** 1981 Dec;6(4):207–11

Limitations to exercise capacity and endurance: pulmonary system. Dempsey J, et al. **Can J Appl Sport Sci** 1982 Mar; 7(1):4–13

Peripheral factors as limitations to exercise capacity. Gollnick PD. **Can J Appl Sport Sci** 1982 Mar;7(1):14–21

Cyclic variations in perceived exertion and physical work capacity in females. Higgs SL, et al. **Can J Appl Sport Sci** 1981 Dec;6(4):191–6

Hormonal and physiological responses to exercise in relation to the menstrual cycle. Jurkowski JE. **Can J Appl Sport Sci** 1982 Jun;7(2):85–9

Limitations of concentration measurements for evaluation of endocrine status of exercising women. Keizer HA, et al. **Can J Appl Sport Sci** 1982 Jun;7(2):79–84

A bicycle ergometer for high altitude investigations. Kinnear GR, et al. **Can J Appl Sport Sci** 1982 Mar;7(1):55–7

The effect of acute oral glucose administration on high intensity work in fasted rats. Reardon FD, et al. **Can J Appl Sport Sci** 1982 Mar;7(1):22–8

A field test for the prediction of aerobic capacity in male paraplegics and quadraplegics. Rhodes EC, et al. **Can J Appl Sport Sci** 1981 Dec;6(4):182–6

Calcium activation of sarcoplasmic reticulum ATPase following strenuous activity. Belcastro AN, et al. **Can J Physiol Pharmacol** 1981 Dec;59(12):1214–8

Glycogen and histological changes in muscle grafts of rats during fasting or exercise. Mong FS, et al. **Can J Physiol Pharmacol** 1982 Mar;60(3):387–91

Central and peripheral adaptations of the gas transport system to one–leg training. Thomas SG, et al. **Can J Physiol Pharmacol** 1981 Nov;59(11):1146–54

The validation of selected physical activity questions using the Canadian home fitness test (CHFT). Thacker JD. **Can J Public Health** 1981 Nov–Dec;72(6):455–8

Role of the renin–angiotensin and of the adrenergic system in the blood pressure regulation at exercise in normotensive subjects and in hypertensive patients. Amery A, et al. **Cardiology** 1981;68(2):103–17

Physical activity and physical fitness levels of Belgian males aged 40–55 years. De Backer G, et al. **Cardiology** 1981; 67(2):110–28

Assessment of cadmium telluride detector system for measurement of muscle blood flow during dynamic exercise in man. Smith RS, et al. **Cardiovasc Res** 1981 Dec; 15(12):731–4

Stress myocardial imaging in patients with mitral valve

prolapse: evidence of a perfusion abnormality. Butman S, et al. **Cathet Cardiovasc Diagn** 1982;8(3):243–52
The relationship between left ventricular functional response to isometric exercise and asynergic contraction and diastolic stiffness. Ludbrook PA, et al. **Cathet Cardiovasc Diagn** 1982;8(2):113–29
Physical training fails to improve ventilatory muscle endurance in patients with chronic obstructive pulmonary disease. Belman MJ, et al. **Chest** 1982 Apr;81(4):440–3
Combined exercise echocardiography [letter] Berberich SN, et al. **Chest** 1981 Sep;80(3):336
Increased exercise capability after repair of a pulmonary arteriovenous fistula. Bye MR, et al. **Chest** 1982 Sep; 82(3):373–5
Changes in pulmonary blood volume during upright exercise. Clinical implications. Iskandrian AS, et al. **Chest** 1982 Jul; 82(1):54–8
Exercise and oxygen inhalation in relation to prognosis of chronic obstructive pulmonary disease. Kawakami Y, et al. **Chest** 1982 Feb;81(2):182–8
Airway reactivity and exercise in healthy subjects. Schachter EN, et al. **Chest** 1982 Apr;81(4):461–5
Effect of platelet suppressant treatment with dipyridamole and aspirin on exercise performance and platelet survival time in coronary disease. Steele P, et al. **Chest** 1981 Nov; 80(5):557–61
Mechanisms of oxygen effects on exercise in patients with chronic obstructive pulmonary disease. Stein DA, et al. **Chest** 1982 Jan;81(1):6–10
Changes in heart rate and electrocardiogram during taijiquan exercise: analysis by telemetry in 100 subjects. Gong LS, et al. **Chin Med J [Engl]** 1981 Sep;94(9):589–92
Effect of metabolic changes on force generation in skeletal muscle during maximal exercise. Hermansen L. **Ciba Found Symp** 1981;(82):75–88
Relevance of muscle fibre type to fatigue in short intense and prolonged exercise in man. Karlsson J, et al. **Ciba Found Symp** 1981;(82):59–74
Preliminary observations on the metabolic responses to exercise in humans, using 31-phosphorus nuclear magnetic resonance. Ross BD, et al. **Ciba Found Symp** 1982;87:145–52
Muscle fibre recruitment and metabolism in prolonged exhaustive dynamic exercise. Saltin B. **Ciba Found Symp** 1981;(82):41–58
Metabolic acidosis and changes in water and electrolyte balance after maximal exercise. Sejersted OM, et al. **Ciba Found Symp** 1982;87:153–67
Cardiac hypertrophy in response to an isometric training program in the cat. Muntz KH, et al. **Circ Res** 1981 Nov; 49(5):1092–101
The effect of moderate physical exercise on the plasma lipoprotein subfractions of male survivors of myocardial infarction. Ballantyne FC, et al. **Circulation** 1982 May; 65(5):913–8
Assessment of right ventricular function during supine bicycle exercise after Mustard's operation. Benson LN, et al. **Circulation** 1982 Jun;65(6):1052–9
Changes in plasma lipid and lipoprotein levels in men and women after a program of moderate exercise. Brownell KD, et al. **Circulation** 1982 Mar;65(3):477–84
Effects of exercise training on ventricular function in patients with recent myocardial infarction. Cobb FR, et al. **Circulation** 1982 Jul;66(1):100–8
Cardiovascular responses to exercise in middle-aged men after 10 days of bedrest. Convertino V, et al. **Circulation** 1982 Jan;65(1):134–40
Effects of 12 months of intense exercise training on ischemic ST-segment depression in patients with coronary artery disease. Ehsani AA, et al. **Circulation** 1981 Dec; 64(6):1116–24
Coronary collateral function during exercise. Eng C, et al. **Circulation** 1982 Aug;66(2):309–16
Benefits of exercise for CAD patients [letter] Froelicher VF. **Circulation** 1982 May;65(5):1039–40
Ejection fraction response to exercise in patients with chest pain, coronary artery disease and normal resting ventricular function. Gibbons RJ, et al. **Circulation** 1982 Sep; 66(3):643–8
Arterial dilators in mitral regurgitation: effects on rest and exercise hemodynamics and long-term clinical follow-up. Greenberg BH, et al. **Circulation** 1982 Jan;65(1):181–7
Effect of exercise on erythrocyte count and blood activity concentration after technetium-99m in vivo red blood cell labeling. Konstam MA, et al. **Circulation** 1982 Sep; 66(3):638–42
Comparison of postpacing and exercise-induced myocardial dysfunction during collateral development in conscious dogs. Kumada T, et al. **Circulation** 1982 Jun;65(6):1178–85
Influence of the location of left anterior descending coronary artery stenosis on left ventricular function during exercise. Leong K, et al. **Circulation** 1982 Jan;65(1):109–14
Selective and nonselective beta-adrenoceptor blockade in hypertension: responses to changes in posture, cold and exercise. Morrison SC, et al. **Circulation** 1982 Jun; 65(6):1171–7
Pulmonary blood volume ratio response to exercise; a noninvasive determination of exercise-induced changes in pulmonary capillary wedge pressure. Okada RD, et al. **Circulation** 1982 Jan;65(1):126–33
Demonstration of training effect during chronic beta-adrenergic blockade in patients with coronary artery disease. Pratt CM, et al. **Circulation** 1981 Dec;64(6):1125–9
Postoperative exercise response in the evaluation of the physiologic status after coronary bypass surgery. Rahimtoola SH. **Circulation** 1982 Jun;65(7 Pt 2 Suppl):106–14
Influence of physical exercise on coronary collateral blood flow in chronic experimental two-vessel occlusion. Schaper W. **Circulation** 1982 May;65(5):905–12
Effects of physical training on myocardial vascularity and perfusion. Scheuer J. **Circulation** 1982 Sep;66(3):491–5
Rest and exercise hemodynamics after the Fontan procedure. Shachar GB, et al. **Circulation** 1982 Jun;65(6):1043–8
Plasma catecholamines, platelet aggregation and associated thromboxane formation after physical exercise, smoking or norepinephrine infusion. Siess W, et al. **Circulation** 1982 Jul;66(1):44–8
Treadmill test responses to an early exercise program after myocardial infarction: a randomized study. Sivarajan ES, et al. **Circulation** 1982 Jun;65(7):1420–8
The effects of a cardioselective (metoprolol) and a nonselective (propranolol) beta-adrenergic blocker on the response to dynamic exercise in normal men. Sklar J, et al. **Circulation** 1982 May;65(5):894–9
Oxygen utilization and ventilation during exercise in patients with chronic cardiac failure. Weber KT, et al. **Circulation** 1982 Jun;65(6):1213–23
The value of grip test as an index of autonomic function in hypertension. Chrysant SG. **Clin Cardiol** 1982 Feb; 5(2):139–43
Persistence of improved exercise tolerance and degree of revascularization after coronary bypass surgery. A prospective randomized study. Frick MH, et al. **Clin Cardiol** 1979 Apr;2(2):81–6
Effects of exercise on plasma viscosity in athletes and sedentary normal subjects. Letcher RL, et al. **Clin Cardiol** 1981 Jul–Aug;4(4):172–9
The heart in scleroderma: noninvasive assessment. Montanes P, et al. **Clin Cardiol** 1982 Jun;5(6):383–7
Lack of suppression of insulin secretion by exercise in patients with insulinoma. Järhult J, et al. **Clin Endocrinol (Oxf)** 1981 Oct;15(4):391–4
Activation of human NKCC by moderate exercise: increased frequency of NK cells with enhanced capability of effector--target lytic interactions. Targan S, et al. **Clin Exp Immunol** 1981 Aug;45(2):352–60
The effect of minimal exercise on the blood lactate in azotemic subjects. Parrish AE. **Clin Nephrol** 1981 Jul; 16(1):35–9
Reproducibility of treadmill exercise in patients with intermittent claudication. Berglund B, et al. **Clin Physiol** 1981 Jun;1(3):253–6
Effect of bicycle exercise on insulin absorption and subcutaneous blood flow in the normal subject. Ferrannini E, et al. **Clin Physiol** 1982 Feb;2(1):59–70
Bone mass of the axial and the appendicular skeleton in women with Colles' fracture: its relation to physical activity. Krølner B, et al. **Clin Physiol** 1982 Apr;2(2):147–57
Effect of vagotomy on the breathing pattern and exercise ability in emphysematous patients. Bradley GW, et al. **Clin Sci** 1982 Mar;62(3):311–9
Effect of exercise on gain of the carotid-sinus reflex in rabbits. Faris IB, et al. **Clin Sci** 1982 Aug;63(2):115–9
Sodium balance, fluid homeostasis and the renin-aldosterone system during the prolonged exercise of hill walking. Milledge JS, et al. **Clin Sci** 1982 Jun;62(6):595–604
Effect of exercise on protein turnover in man. Rennie MJ, et al. **Clin Sci** 1981 Nov;61(5):627–39
Baroreceptor stimulation and isometric exercise in normotensive and borderline hypertensive subjects. Suarez DH, et al. **Clin Sci** 1982 Mar;62(3):307–9
Metabolic response in different muscle types to reduced blood flow during exercise in perfused rat hindlimb. Walker PM, et al. **Clin Sci** 1982 Sep;63(3):293–9
Activation by exercise of human skeletal muscle pyruvate dehydrogenase in vivo. Ward GR, et al. **Clin Sci** 1982 Jul; 63(1):87–92
Intralymphocytic sodium concentration as an index of response to stress and exercise in young subjects with borderline hypertension. Ambrosioni E, et al. **Clin Sci [Suppl]** 1981 Dec;61(7):25s–27s
Report: alcohol, drugs, exercise. **Colo Med** 1982 Mar; 79(3):105–6
Cardiovascular function during treadmill exercise in the turkey. Baudinette RV, et al. **Comp Biochem Physiol [A]** 1982;72(2):327–32
Effects of heat and cold exposure and exercise on the interstitial fluid proteins of the rat. Coetzee JH, et al. **Comp Biochem Physiol [A]** 1982;72(2):437–40
A new system for long-term recording and processing of heart rate and physical activity in outpatients. Taylor CB, et al. **Comput Biomed Res** 1982 Feb;15(1):7–17
Beneficial effects of exercise and current concepts in adult fitness. Camaione DN, et al. **Conn Med** 1981 Oct; 45(10):620–5
Physical activity and its influence on the repair process of medial collateral ligaments. Vailas AC, et al. **Connect Tissue Res** 1981;9(1):25–31
Exercise-induced proteinuria. Campanacci L, et al. **Contrib Nephrol** 1981;26:31–41
The diagnostic significance of the correlation between the effectiveness of subendocardial perfusion and the energy output compatible with the coronary reserve. Dushanin SA, et al. **Cor Vasa** 1982;24(1):27–57
Changes in total and local contractility of the left ventricle, imaged by radionuclide ventriculography, in patients with ischaemic heart disease during submaximal exercise. Kramer AA, et al. **Cor Vasa** 1981;23(6):403–11
Cardiopulmonary resuscitation: physical stress on the rescuer. Lonergan JH, et al. **Crit Care Med** 1981 Nov;9(11):793–5
Exercise and sudden death–part I. McManus BM, et al. **Curr Probl Cardiol** 1981 Dec;6(9):1–89
Exercise and sudden– part II. McManus BM, et al. **Curr Probl Cardiol** 1982 Jan;6(10):1–57
Diabetes and exercise--Proceedings of the symposium, Olympia, Greece, September 21–22, 1980. **Curr Probl Clin Biochem** 1982;11:1–199
Adipose tissue composition, physical activity, and serum lipids in young German women. Arab L, et al. **Curr Probl Clin Biochem** 1982;11:133–41
Is exercise beneficial to patients with type I diabetes mellitus? Transcript of a controversy debate. Berger M, et al. **Curr Probl Clin Biochem** 1982;11:101–14
Glucose tolerance, serum insulin, and serum lipids in athletes. Cüppers HJ, et al. **Curr Probl Clin Biochem** 1982;11:155–65
Endocrinology and metabolism in exercise. Galbo H. **Curr Probl Clin Biochem** 1982;11:26–44
Some practical aspects of physical training and exercise testing in diabetes. Hollmann W, et al. **Curr Probl Clin Biochem** 1982;11:142–6
Enzymatic adaptations of skeletal muscle to endurance exercise. Holloszy O. **Curr Probl Clin Biochem** 1982; 11:118–21
Metabolic and cardiac effects of mild exercise in non-insulin diabetes. Karamanos BG, et al. **Curr Probl Clin Biochem** 1982;11:147–54
The difference in insulin sensitivity and metabolic response to acute exercise in trained and sedentary subjects. Koivisto VA, et al. **Curr Probl Clin Biochem** 1982;11:122–32
Glycogen metabolism and exercise in diabetes. Maehlum S. **Curr Probl Clin Biochem** 1982;11:184–8
The philosophy of exercise. Merikas G. **Curr Probl Clin Biochem** 1982;11:13–23
Physical training and cardiovascular disease in the diabetic. Ruderman NB, et al. **Curr Probl Clin Biochem** 1982; 11:166–70
Activation of platelet in vivo function and plasma levels of catecholamines and growth hormone during bicycle exercise in juvenile diabetes and healthy individuals. Schernthaner G, et al. **Curr Probl Clin Biochem** 1982; 11:69–83
Substrate metabolism during exercise in normal and diabetic man. Wahren J. **Curr Probl Clin Biochem** 1982;11:57–68
Peripheral insulinaemia and the glucoregulatory response to exercise in diabetic man. Zinman B, et al. **Curr Probl Clin Biochem** 1982;11:45–56
Exercise and coronary heart disease. Colbourn AW. **Del Med J** 1982 Jun;54(6):363–6
Glucose utilization during exercise in normal and diabetic subjects. The role of insulin. Krzentowski G, et al. **Diabetes** 1981 Dec;30(12):983–9
Correction of exercise-induced microalbuminuria in insulin-dependent diabetics after 3 weeks of subcutaneous insulin infusion. Viberti G, et al. **Diabetes** 1981 Oct; 30(10):818–23
Treadmill training improves intravenous glucose tolerance and insulin sensitivity in fatty Zucker rats. Becker-Zimmermann K, et al. **Diabetologia** 1982 Jun; 22(6):468–74
Haemodynamic changes during graded exercise in patients with diabetic autonomic neuropathy. Hilsted J, et al. **Diabetologia** 1982 May;22(5):318–23
Exercise-induced proteinuria in children and adolescents with type I (insulin dependent) diabetes. Huttunen NP, et al. **Diabetologia** 1981 Nov;21(5):495–7
Exercise and diabetes [letter] Jarrett RJ. **Diabetologia** 1981 Jul;21(1):74
Exercise and diabetes [letter] Marliss EB, et al. **Diabetologia** 1981 Sep;21(3):237
Effect of exercise-training on the metabolic manifestations of streptozotocin-induced diabetes in the rat. Reaven GM, et al. **Diabetologia** 1981 Oct;21(4):415–7
The wave analyses with the fast fourier transform on surface electromyogram and tremor during an acute and an accumulative fatigue. Sakamoto K, et al. **Electromyogr Clin Neurophysiol** 1982 Mar–Apr; 22(3):207–28
Plasma testosterone during bicycle ergometer exercise without and after L-dopa pretreatment. Ježová-Repčeková D, et al. **Endocrinol Exp (Bratisl)** 1982 Mar;16(1):3–8
Occurrence of glycosuria in horses after strenuous exercise. Chapman DI, et al. **Equine Vet J** 1981 Oct;13(4):259–60
Changes in circulating gut hormones in the horse during long distance exercise. Hall GM, et al. **Equine Vet J** 1982 Jul; 14(3):209–12
Effect of induced back pain on gait and performance of trotting horses. Jeffcott LB, et al. **Equine Vet J** 1982 Apr; 14(2):129–33
Hormonal changes associated with long distance exercise. Snow DH, et al. **Equine Vet J** 1981 Jul;13(3):195–7
Naturally preferred directions for the exertion of maximal manual forces. Grieve DW, et al. **Ergonomics** 1981 Sep; 24(9):685–93
Work load and fatigue in repetitive arm elevations. Hagberg M. **Ergonomics** 1981 Jul;24(7):543–55
Job satisfaction, perceived effort and heart rate in light

industrial work. Khaleque A. **Ergonomics** 1981 Sep; 24(9):735–42

Maximum acceptable repetitive lifting workloads for an 8-hour work-day using psychophysical and subjective rating methods. Legg SJ, et al. **Ergonomics** 1981 Dec; 24(12):907–16

Exercise and sleep behaviour. A questionnaire approach. Porter JM, et al. **Ergonomics** 1981 Jul;24(7):511–21

Dynamic strength test as a predictor for maximal and acceptable lifting. Pytel JL, et al. **Ergonomics** 1981 Sep; 24(9):663–72

A physiological study of manual lifting of loads in Indians. Samanta A, et al. **Ergonomics** 1981 Jul;24(7):557–64

Physical strain in the handling of gas cylinders. Westerling D, et al. **Ergonomics** 1981 Aug;24(8):623–32

The effect of nitroglycerin, beta-blockade with acebutolol and isometric stress on incoordinate left ventricular function. Hall RJ, et al. **Eur Heart J** 1982 Feb;3(1):23–8

Stress thallium-201 myocardial scintigraphy. Review of methodological problems and proposal for standardization. Rigo P, et al. **Eur Heart J** 1980 Feb;1(1):81–7 (58 ref.)

Comparison of dipyridamole and treadmill exercise for enhancing thallium-201 perfusion defects in patients with coronary artery disease. Timmis AD, et al. **Eur Heart J** 1980 Aug;1(4):275–80

Myofibril and sarcoplasmic reticulum changes with exercise and growth. Belcastro AN, et al. **Eur J Applied Physiol** 1982;49(1):87–95

The use of sinusoidally changing workloads as an aid to identify dynamic properties of physiological systems. Chang KS, et al. **Eur J Applied Physiol** 1982;49(1):97–109

The influence of free fatty acids on glycogen recovery in rat heart after exercise. Conlee RK, et al. **Eur J Applied Physiol** 1981;47(4):377–83

Effect of acute exercise on amino acid incorporation into the rat myocardium. Cook EA, et al. **Eur J Applied Physiol** 1981;47(2):105–11

Oxygen deficit during incremental exercise. Davis HA, et al. **Eur J Applied Physiol** 1981;47(2):133–40

The delayed effects of prolonged physical exercise and physical training on cholesterol level. Dufaux B, et al. **Eur J Applied Physiol** 1982;48(1):25–9

Maximal working capacity of two professional groups in North Sumatra (Indonesia). Effendi H, et al. **Eur J Applied Physiol** 1982;48(2):207–13

Peak blood lactate after short periods of maximal treadmill running. Fujitsuka N, et al. **Eur J Applied Physiol** 1982; 48(3):289–96

Vascular volume changes during cycling and stepping in women at two hydration levels. Gaebelein CJ, et al. **Eur J Applied Physiol** 1982;48(1):1–10

Effects of prolonged warm-up exercise above and below anaerobic threshold on maximal performance. Genovely H, et al. **Eur J Applied Physiol** 1982;48(3):323–30

The effect of beta-adrenergic receptor blockade on intramuscular glycogen mobilization during exercise in the rat. Górski J, et al. **Eur J Applied Physiol** 1982;48(2):201–5

Muscle cell leakage due to long distance training. Hansen KN, et al. **Eur J Applied Physiol** 1982;48(2):177–88

Effects of positive and negative exercise on ventilatory CO2 sensitivity. Hulsbosch MA, et al. **Eur J Applied Physiol** 1981;47(1):73–81

Effects of physical training on hypothalamic obesity in rats. Jenkins RR, et al. **Eur J Applied Physiol** 1982;48(3):355–9

Leg blood flow during static exercise. Kilbom A, et al. **Eur J Applied Physiol** 1982;48(3):367–77

Fluid control mechanisms after exercise dehydration. Kirsch KA, et al. **Eur J Applied Physiol** 1981;47(2):191–6

Relation between pedalling- and breathing rhythm. Kohl J, et al. **Eur J Applied Physiol** 1981;47(3):223–37

Enzyme activity patterns of energy metabolism in skiers of different performance levels (M. quadriceps femoris). Macková EV, et al. **Eur J Applied Physiol** 1982; 48(3):315–22

Dependence of serum lipid and lecithin: cholesterol acyltransferase levels on physical training in young men. Marniemi J, et al. **Eur J Applied Physiol** 1982;49(1):25–35

Self-selected exercise intensity is unchanged by sleep loss. Martin B, et al. **Eur J Applied Physiol** 1982;49(1):79–86

Effect of sleep deprivation on tolerance of prolonged exercise. Martin BJ. **Eur J Applied Physiol** 1981; 47(4):345–54

Glycolytic activity of rat aorta after exercise. Masumura S, et al. **Eur J Applied Physiol** 1982;48(2):157–61

Plasma volume and blood metabolites in middle-aged runners during a warm-weather marathon. Myhre LG, et al. **Eur J Applied Physiol** 1982;48(2):227–40

Training-induced bradycardia and intrinsic heart rate in rats. Nylander E, et al. **Eur J Applied Physiol** 1982;48(2):189–99

The consistency of cardiac output measurement (CO2 rebreathe) in children during exercise. Paterson DH, et al. **Eur J Applied Physiol** 1982;49(1):37–44

The effect of deep muscle temperature on the cardiovascular responses of man to static effort. Petrofsky JS, et al. **Eur J Applied Physiol** 1981;47(1):7–16

Circulating reverse triiodothyronine in humans during exercise. Premachandra BN, et al. **Eur J Applied Physiol** 1981;47(3):281–8

Myocardial oxygen extraction and oxygen-hemoglobin equilibrium curve during moderate exercise. Richalet JP, et al. **Eur J Applied Physiol** 1981;47(1):27–39

Exercise heart rate response to facial cooling. Riggs CE Jr, et al. **Eur J Applied Physiol** 1981;47(4):323–30

Differentiated perceptions of exertion and energy cost of young women while carrying loads. Robertson RJ, et al. **Eur J Applied Physiol** 1982;49(1):69–78

Acid hydrolase activities in mouse cardiac and skeletal muscle following exhaustive exercise. Salminen A, et al. **Eur J Applied Physiol** 1981;47(1):57–64

Arterial carbon dioxide estimates during upper body exercise. Sawka MN, et al. **Eur J Applied Physiol** 1982;48(3):415–22

TSH, T3, rT3 and fT4 in maximal and submaximal physical exercise. Schmid P, et al. **Eur J Applied Physiol** 1982; 48(1):31–9

Effect of maximal oxygen uptake and different forms of physical training on serum lipoproteins. Schnabel A, et al. **Eur J Applied Physiol** 1982;48(2):263–77

The influence of moderate prolonged exercise and a low carbohydrate diet on ethanol elimination and on metabolism. Schürch PM, et al. **Eur J Applied Physiol** 1982; 48(3):407–14

Predicting sweat loss response to exercise, environment and clothing. Shapiro Y, et al. **Eur J Applied Physiol** 1982; 48(1):83–96

Chronic exercise and cardiac vascularization. Tharp GD, et al. **Eur J Applied Physiol** 1982;48(1):97–104

Effects of exercise and time elapsed after exercise on VO2, VCO2 and R responses to norepinephrine in rats. Thibault MC, et al. **Eur J Applied Physiol** 1982;48(2):215–25

Glucose uptake in relation to metabolic state in perfused rat hind limb at rest and during exercise. Walker PM, et al. **Eur J Applied Physiol** 1982;48(2):163–76

Uptake of 3H-leucine into different fractions of rat skeletal muscle following acute endurance and sprint exercise. Wenger HA, et al. **Eur J Applied Physiol** 1981;47(1):83–92

Specificity of the anaerobic threshold in endurance trained cyclists and runners. Withers RT, et al. **Eur J Applied Physiol** 1981;47(1):93–104

The effect of captopril on catecholamines, renin activity, angiotensin II and aldosterone in plasma during physical exercise in hypertensive patients. Manhem P, et al. **Eur J Clin Invest** 1981 Oct;11(5):389–95

Responsiveness of the renin-aldosterone system during exercise in young patients with essential hypertension. Pedersen EB, et al. **Eur J Clin Invest** 1981 Oct;11(5):403–8

Haemodynamic and metabolic effects of diazoxide during rest and forearm exercise. Hartling OJ, et al. **Eur J Clin Pharmacol** 1982;22(2):111–6

Comparison of once and twice daily sotalol in exercise-induced angina pectoris. Wilhelmsson C, et al. **Eur J Clin Pharmacol** 1982;21(6):461–5

Exercise-induced asthma after swimming and bicycle exercise. Bundgaard A, et al. **Eur J Respir Dis** 1982 May; 63(3):245–8

Effect of oxygen on breathing during exercise in patients with chronic obstructive lung disease. Scano G, et al. **Eur J Respir Dis** 1982 Jan;63(1):23–30

Quantitative analyses of normal and hypertrophic extensor digitorum longus muscles in mice. James NT, et al. **Exp Neurol** 1982 May;76(2):284–97

Development and maintenance of dendrite bundles after cordotomy in excerised and nonexercised cats. Reback PA, et al. **Exp Neurol** 1982 May;76(2):428–40

Locomotion in exercised and nonexercised cats cordotomized at two or twelve weeks of age. Smith JL, et al. **Exp Neurol** 1982 May;76(2):393–413

Comparative study of ultrastructure and function of the rat heart hypertrophied by exercise or hypoxia. Guski H, et al. **Exp Pathol** 1981;20(2):108–20

The effect of exercise on cell proliferation in the non-ischemic heart after myocardial infarction. Guski H, et al. **Exp Pathol** 1982;21(1):54–8

Effect of physical exercise on the specific activity of carbonic anhydrase isozyme in human erythrocytes. Ohno H, et al. **Experientia** 1982 Jul 15;38(7):830–1

Lysosomal changes related to ageing and physical exercise in mouse cardiac and skeletal muscles. Salminen A, et al. **Experientia** 1982 Jul 15;38(7):781–2

Muscle hexose monophosphate shunt activity following exercise. Tullson P, et al. **Experientia** 1981 Dec 15; 37(12):1311–2

Effect of exercise on protein metabolism in humans as explored with stable isotopes. Millward DJ, et al. **Fed Proc** 1982 Aug;41(10):2686–91

The effect of physical exertion on experimentally induced gastric ulcer in white rats. Vasileva M, et al. **Folia Med (Plovdiv)** 1981;23(3–4):47–50

Morphological criteria of adaptation of the osseous system to increased physical loading. Sudzilovski PV. **Folia Morphol (Praha)** 1981;29(3):209–12

Estrogen and exercise in prevention and treatment of osteoporosis. Aloia JF. **Geriatrics** 1982 Jun;37(6):81–5

Exercise and aging. Kent S. **Geriatrics** 1982 Jun;37(6):132–5

Specific benefits of postcoronary exercise programs. Rechnitzer PA. **Geriatrics** 1982 Mar;37(3):47–51

A method to reduce chronic pain in elderly nursing home residents. Miller C, et al. **Gerontologist** 1982 Jun;22(3):314–7

Arterial compliance, systolic pressure and heart rate in elderly women at rest and on exercise. Sebban C, et al. **Gerontology** 1981;27(5):271–80

Prolonged benign exertional headache: its clinical characteristics and response to indomethacin. Diamond S. **Headache** 1982 May;22(3):96–8

Effort headache in runners. Massey EW. **Headache** 1982 May;22(3):99–100

Exercise and coronary risk factor modification in the management of atherosclerosis. Fletcher GF. **Heart Lung** 1981 Sep–Oct;10(5):811–3

Evaluation of left ventricular function by dynamic exercise in patients with congestive heart failure. Awan NA, et al. **Herz** 1982 Jun;7(3):133–9

Beta adrenergic blocking agents for exertional angina pectoris. Thadani U. **Herz** 1982 Jun;7(3):179–87

Physical exercise in 'pulmonary fibrosis'. Arita K, et al. **Hiroshima J Med Sci** 1981 Jun;30(2):149–59

Serum thyroid hormone concentration during semi-starvation and physical exercise. Bosello O, et al. **Horm Metab Res** 1981 Nov;13(11):651–2

Testosterone response to exercise during blockade and stimulation of adrenergic receptors in man. Ježová D, et al. **Horm Res** 1981;15(3):141–7

Evaluation of maximal and submaximal static muscle exertions. Kroemer KH, et al. **Hum Factors** 1981 Dec; 23(6):643–53

Use of the pulse rate to determine the relative physiological intensity of aerobic muscular work. Alekseev VM, et al. **Hum Physiol** 1981 Jul–Aug;7(4):318–25

Metabolic effects of catecholamines in athletes during bicycle exercise of different intensity. Bol'shakova TD, et al. **Hum Physiol** 1981 Jul–Aug;7(4):300–5

Functional state of the cardiovascular system, ventilation, and gas exchange during standard physical work in different age periods. Ivanov LA. **Hum Physiol** 1981 Mar–Apr;7(2):99–103

Effect of arm work in the antiorthostatic position on left ventricular function. Katkov VE, et al. **Hum Physiol** 1981 Jul–Aug;7(4):285–9

Informativeness of the pulse rate for assessment of physical working capacity. Romanenko VA, et al. **Hum Physiol** 1981 Jan–Feb;7(1):33–7

Sympathetic nervous system response to graded exercise: effect of beta-blockade. Barontini MB, et al. **Hypertension** 1981 Nov–Dec;3(6 Pt 2):II–155–9

Hypertension and exercise. Björntorp P. **Hypertension** 1982 Sep–Oct;4(5 Pt 2):III56–9 (16 ref.)

Effects of isometric exercise on the carotid baroreflex in hypertensive subjects. Mancia G, et al. **Hypertension** 1982 Mar–Apr;4(2):245–50

Physical work capacity of indian adolescent boys in Sainik and military schools. Dimri GP, et al. **Indian J Med Res** 1981 Oct;74:610–6

Changes in the urinary excretion of lactic acid during exercise under hypoxic stress. Iyer EM, et al. **Indian J Med Res** 1981 Oct;74:607–9

Voluntary muscular contraction with reference to agricultural tasks. Nag PK, et al. **Indian J Med Res** 1981 Jul;74:111–9

Effect of exhaustive ergometric exercise on blood coagulation, platelet adhesiveness and fibrinolytic activity in untrained young men and women. Gaur S, et al. **Indian J Physiol Pharmacol** 1982 Jan–Mar;26(1):65–8

Physiological responses during work in hot humid environments. Gupta JS, et al. **Indian J Physiol Pharmacol** 1981 Oct–Dec;25(4):339–47

Muscular training through localized in vivo electrical stimulations. Moorthy CV, et al. **Indian J Physiol Pharmacol** 1981 Jul–Sep;25(3):229–36

Non-invasive assessment of regional myocardial function at rest and during exercise after aorto-coronary bypass operation. Reichart B, et al. **Int J Artif Organs** 1982 May; 5(3):163–8

The effect of pyridoxine-alpha-ketoglutarate (PAK) on exercise-induced increase of blood lactate in patients with type I diabetes. Dall'Aglio E, et al. **Int J Clin Pharmacol Ther Toxicol** 1982 Mar;20(3):147–50

Comparison of antihypertensive activity of atenolol and methyldopa at rest and during exercise. Magnani B, et al. **Int J Clin Pharmacol Ther Toxicol** 1981 Oct;19(10):440–4

Metabolic fuels and the capacity for exercise during hypocaloric diet. Bogardus C, et al. **Int J Obes** 1981; 5(3):295–6

The effect of a very-low-calorie diet with and without chronic exercise on thyroid and sex hormones, plasma proteins, oxygen uptake, insulin and c peptide concentrations in obese women. Krotkiewski M, et al. **Int J Obes** 1981;5(3):287–93

Effects of exercise in cool water on body weight loss. Sheldahl LM, et al. **Int J Obes** 1982;6(1):29–42

Trichinellosis in the exercised rat. Ahmad RA, et al. **Int J Parasitol** 1982 Feb;12(1):59–63

Nasal respiration and physical effort in children. Betlejewski S, et al. **Int J Pediatr Otorhinolaryngol** 1981 Dec; 3(4):295–301

Lipoprotein-cholesterol in coronary-heart-disease (CHD) patients with and without exercise training. Berg A, et al. **Int J Rehabil Res** 1981;4(2):211–3

Isokinetic strength training: comparison of daily and three times weekly patterns. Rozier CK, et al. **Int J Rehabil Res** 1981;4(3):345–51

HDL-cholesterol (HDL-C) changes during and after intensive long-lasting exercise. Berg A, et al. **Int J Sports Med** 1981 May;2(2):121–3

The effects of exercise on plasma insulin. Björntorp P. **Int J Sports Med** 1981 Aug;2(3):125–9

Muscle water and electrolyte distribution during prolonged exercise. Costill DL, et al. **Int J Sports Med** 1981 Aug;

2(3):130–4
Comparative echocardiographic examinations in sitting and supine position at rest and during dynamic exercise. Dickhuth HH, et al. **Int J Sports Med** 1981 Aug;2(3):178–81
Plasma lipoproteins and physical activity. Dufaux B, et al. **Int J Sports Med** 1982 Feb;3 Suppl 1:58–60
The influence of hemoglobin concentration on exercise cardiac output. Freedson PS. **Int J Sports Med** 1981 May; 2(2):81–6
Physiologic response to endurance work as a function of prior exercise. Gutin B, et al. **Int J Sports Med** 1981 May; 2(2):87–91
Serum aldolase isoenzymes in athletes at rest and after long-lasting exercise. Haralambie G. **Int J Sports Med** 1981 Feb,2(1):31–6
Sudden cardiac death during vigorous exercise. Haskell WL. **Int J Sports Med** 1982 Feb;3 Suppl 1:45–8
Assessment of different forms of physical activity with respect to preventive and rehabilitative cardiology. Hollmann W, et al. **Int J Sports Med** 1981 May;2(2):67–80
Relationships between leg muscle fiber type distribution and leg exercise performance. Inbar O, et al. **Int J Sports Med** 1981 Aug;2(3):154–9
Alteration in the lactate threshold with changes in substrate availability. Ivy JL, et al. **Int J Sports Med** 1981 Aug; 2(3):139–42
Performance and muscle metabolite changes in exercise with repeated maximal dynamic contractions. Karlsson J, et al. **Int J Sports Med** 1981 May;2(2):110–3
Plasma catecholamines in trained and untrained volunteers during graduated exercise. Lehmann M, et al. **Int J Sports Med** 1981 Aug;2(3):143–7
Ventilatory work during exercise at high altitude. Mognoni P, et al. **Int J Sports Med** 1982 Feb;3(1):33–6
Serum FSH, LH, and testosterone in humans after physical exercise. Schmid P, et al. **Int J Sports Med** 1982 May; 3(2):84–9
Effect of exercise-diet manipulation on muscle glycogen and its subsequent utilization during performance. Sherman WM, et al. **Int J Sports Med** 1981 May;2(2):114–8
Onset of blood lactate accumulation and enzyme activities in m. vastus lateralis in man. Sjödin B, et al. **Int J Sports Med** 1981 Aug;2(3):166–70
Comparison of prolonged exercise tests at the individual anaerobic threshold and the fixed anaerobic threshold of 4 mmol.l(-1) lactate. Stegmann H, et al. **Int J Sports Med** 1982 May;3(2):105–10
Lactate kinetics and individual anaerobic threshold. Stegmann H, et al. **Int J Sports Med** 1981 Aug;2(3):160–5
Effects of treadmill running on oxidative capacity of regenerated skeletal muscle. Van Handel PJ, et al. **Int J Sports Med** 1981 May;2(2):92–6
Independence of physical working capacity from increased glucocorticoid level during short-term exercises. Viru A, et al. **Int J Sports Med** 1982 May;3(2):80–3
Characterizing O2 uptake response kinetics during exercise. Whipp BJ, et al. **Int J Sports Med** 1982 May;3(2):97–9
Influence of physical activity on the thermic effect of food in young men. Samueloff S, et al. **Isr J Med Sci** 1982 Jan; 18(1):193–6
Exercise-induced anaphylaxis as a manifestation of cholinergic urticaria. Kaplan AP, et al. **J Allergy Clin Immunol** 1981 Oct;68(4):319–24
Identification of a new physically induced urticaria: cold-induced cholinergic urticaria. Kaplan AP, et al. **J Allergy Clin Immunol** 1981 Dec;68(6):438–41
Exercise-induced release of histamine and neutrophil chemotactic factor in atopic asthmatics. Lee TH, et al. **J Allergy Clin Immunol** 1982 Aug;70(2):73–81
Exercise-induced urticaria, angioedema, and anaphylactoid episodes. Lewis J, et al. **J Allergy Clin Immunol** 1981 Dec; 68(6):432–7
Effects of forced exercise during gestation on farrowing and weaning performance of swine. Hale OM, et al. **J Anim Sci** 1981 Jun;52(6):1240–3
Effect of habitual exercise on left ventricular response to exercise. Anholm JD, et al. **J Appl Physiol** 1982 Jun; 52(6):1648–51
Effect of physical training on exercise-induced sweating in women. Araki T, et al. **J Appl Physiol** 1981 Dec; 51(6):1526–32
Patterns of glycogen loss in muscle fibers: response to arterial occlusion during exercise. Armstrong RB, et al. **J Appl Physiol** 1981 Sep;51(3):552–6
Arm and leg intravascular temperatures of men during submaximal exercise. Aulick LH, et al. **J Appl Physiol** 1981 Nov;51(5):1092–7
Exercise capacity and cardiac function of rats with drug-induced cardiac enlargement. Baldwin KM, et al. **J Appl Physiol** 1982 Mar;52(3):591–5
Extent of motor unit activation during effort. Belanger AY, et al. **J Appl Physiol** 1981 Nov;51(5):1131–5
Conduction velocity and EMG power spectrum changes in fatigue of sustained maximal efforts. Bigland-Ritchie B, et al. **J Appl Physiol** 1981 Nov;51(5):1300–5
Role of the carotid body in hyperpnea of moderate exercise in goats. Bisgard GE, et al. **J Appl Physiol** 1982 May; 52(5):1216–22
Heart contractility at pressure loads induced by ischemia of exercised muscle in humans. Bonde-Petersen F, et al. **J Appl Physiol** 1982 Feb;52(2):340–5
Glucose, glucagon, and insulin during adrenergic blockade in exercising sheep. Brockman RP, et al. **J Appl Physiol** 1982 Feb;52(2):315–9
Coronary collateral stimulation by exercise in dogs with stenotic coronary arteries. Cohen MV, et al. **J Appl Physiol** 1982 Mar;52(3):664–71
Induced venous pooling and cardiorespiratory responses to exercise after bed rest. Convertino VA, et al. **J Appl Physiol** 1982 May;52(5):1343–8
Adaptation of fat cells to exercise: response of glucose uptake and oxidation to insulin. Craig BW, et al. **J Appl Physiol** 1981 Dec;51(6):1500–6
Distribution of cardiac output during static exercise in the conscious cat. Diepstra G, et al. **J Appl Physiol** 1982 Mar; 52(3):642–6
Increased excretion of urea and N tau -methylhistidine by rats and humans after a bout of exercise. Dohm GL, et al. **J Appl Physiol** 1982 Jan;52(1):27–33
Increases in plasma beta-endorphin/beta-lipotropin immunoreactivity after treadmill running in humans. Farrell PA, et al. **J Appl Physiol** 1982 May;52(5):1245–9
Effect of muscle glycogen content on glucose uptake following exercise. Fell RD, et al. **J Appl Physiol** 1982 Feb;52(2):434–7
Characteristics of adjustment of lung diffusing capacity to work. Fisher JT, et al. **J Appl Physiol** 1982 May; 52(5):1124–7
Effect of blood volume on sweating rate and body fluids in exercising humans. Fortney SM, et al. **J Appl Physiol** 1981 Dec;51(6):1594–600
Thermoregulatory responses in the rat to exercise in the heat following prolonged heat exposure. Francesconi R, et al. **J Appl Physiol** 1982 Mar;52(3):734–8
Guinea pig soleus and gastrocnemius electromyograms at varying speeds, grades, and loads. Gardiner KR, et al. **J Appl Physiol** 1982 Feb;52(2):451–7
Effect of an exercise run to exhaustion on cAMP in the rat heart. Goldfarb AH, et al. **J Appl Physiol** 1981 Dec; 51(6):1539–42
Rapid brain cooling in the free-running hamster Mesocricetus auratus. Gordon CJ, et al. **J Appl Physiol** 1981 Nov; 51(5):1349–54
Effect of exhaustive exercise on myocardial performance. Grimditch GK, et al. **J Appl Physiol** 1981 Nov; 51(5):1098–102
Exercise hyperventilation in patients with McArdle's disease. Hagberg JM, et al. **J Appl Physiol** 1982 Apr;52(4):991–4
Liver metabolites in resting and exercising rats at 1 and 4 bar. Hanson RD, et al. **J Appl Physiol** 1981 Nov; 51(5):1326–30
Hemodynamic responses to methoxamine in exercise-conditioned and aorta-constricted rats. Hasser EM, et al. **J Appl Physiol** 1982 Apr;52(4):967–75
Comparative physiological responses to exercise stress. Hastings AB, et al. **J Appl Physiol** 1982 Apr;52(4):1077–83
Acclimatization to dry heat: active men vs. active women. Horstman DH, et al. **J Appl Physiol** 1982 Apr;52(4):825–31
Effects of glycogen depletion and pedaling speed on 'anaerobic threshold'. Hughes EF, et al. **J Appl Physiol** 1982 Jun;52(6):1598–607
Delayed kinetics of respiratory gas exchange in the transition from prior exercise. Hughson RL, et al. **J Appl Physiol** 1982 Apr;52(4):921–9
Respiratory and stepping frequencies in conscious exercising cats. Iscoe S. **J Appl Physiol** 1981 Oct;51(4):835–9
Effects of menstrual cycle on blood lactate, O2 delivery, and performance during exercise. Jurkowski JE, et al. **J Appl Physiol** 1981 Dec;51(6):1493–9
Acute hypervolemia, cardiac performance, and aerobic power during exercise. Kanstrup IL, et al. **J Appl Physiol** 1982 May;52(5):1186–91
Carbohydrate ingestion before exercise: comparison of glucose, fructose, and sweet placebo. Koivisto VA, et al. **J Appl Physiol** 1981 Oct;51(4):783–7
Effect of pH on sensation and vastus lateralis electromyogram during cycling exercise. Kostka CE, et al. **J Appl Physiol** 1982 May;52(5):1181–5
A method for using microspheres to measure muscle blood flow in exercising rats. Laughlin MH, et al. **J Appl Physiol** 1982 Jun;52(6):1629–35
Effect of diet and exercise on norepinephrine-induced thermogenesis in male and female rats. Leblanc J, et al. **J Appl Physiol** 1982 Mar;52(3):556–61
Ventilatory responses at rest and during exercise in marathon runners. Mahler DA, et al. **J Appl Physiol** 1982 Feb; 52(2):388–92
Estimation of cardiac output by electrical impedance during arm exercise in women. Miles DS, et al. **J Appl Physiol** 1981 Dec;51(6):1488–92
Renin, aldosterone, and converting enzyme during exercise and acute hypoxia in humans. Milledge JS, et al. **J Appl Physiol** 1982 Feb;52(2):320–3
Dynamics of cardiac, respiratory, and metabolic function in men in response to step work load. Miyamoto Y, et al. **J Appl Physiol** 1982 May;52(5):1198–208
Effect of aerobic conditioning on cardiovascular response to isometric exercise. Morgan BJ, et al. **J Appl Physiol** 1982 May;52(5):1257–60
Effect of nitroglycerin on DL of normal subjects at rest and during exercise. Nemery B, et al. **J Appl Physiol** 1982 Apr; 52(4):851–6
Time course of ultrastructural changes in skeletal muscle after two types of exercise. Nimmo MA, et al. **J Appl Physiol** 1982 Apr;52(4):910–3
Effect of acid-base status on the kinetics of the ventilatory response to moderate exercise. Oren A, et al. **J Appl Physiol** 1982 Apr;52(4):1013–7
A computer linear regression model to determine ventilatory anaerobic threshold. Orr GW, et al. **J Appl Physiol** 1982 May;52(5):1349–52
Lipoprotein lipase hydrolyzes endogenous triacylglycerols in muscle of exercised rats. Oscai LB, et al. **J Appl Physiol** 1982 Apr;52(4):1059–63
Plasma norepinephrine response to exercise before and after training in humans. Péronnet F, et al. **J Appl Physiol** 1981 Oct;51(4):812–5
A simply constructed treadmill for rodent exercise studies. Rubin SA, et al. **J Appl Physiol** 1982 Feb;52(2):505–7
Denervated and intact kidney responses to exercise in the dog. Sadowski J, et al. **J Appl Physiol** 1981 Dec; 51(6):1618–24
Maximum leg force and power output during short-term dynamic exercise. Sargeant AJ, et al. **J Appl Physiol** 1981 Nov;51(5):1175–82
Attenuation of blood pressure increases in Dahl salt-sensitive rats by exercise. Shepherd RE, et al. **J Appl Physiol** 1982 Jun;52(6):1608–13
Exercise recovery above and below anaerobic threshold following maximal work. Stamford BA, et al. **J Appl Physiol** 1981 Oct;51(4):840–4
A respiratory mask for resting and exercising dogs. Stavert DM, et al. **J Appl Physiol** 1982 Feb;52(2):500–4
A refrigerated treadmill apparatus for exercising dogs. Stavert DM, et al. **J Appl Physiol** 1982 Feb;52(2):495–9
Nonlinear increases in diffusing capacity during exercise by seated and supine subjects. Stokes DL, et al. **J Appl Physiol** 1981 Oct;51(4):858–63
Chylomicron triglyceride metabolism in resting and exercising fed dogs. Terjung RL, et al. **J Appl Physiol** 1982 Apr;52(4):815–20
Effect of beta-adrenergic blockade on respiratory and metabolic responses to exercise. Twentyman OP, et al. **J Appl Physiol** 1981 Oct;51(4):788–93
Superficial shell insulation in resting and exercising men in cold water. Veicsteinas A, et al. **J Appl Physiol** 1982 Jun; 52(6):1557–64
Cardiac output increase and gas exchange at start of exercise. Weissman ML, et al. **J Appl Physiol** 1982 Jan;52(1):236–44
Parameters of ventilatory and gas exchange dynamics during exercise. Whipp BJ, et al. **J Appl Physiol** 1982 Jun; 52(6):1506–13
An automated, indirect assessment of cardiac output during rest and exercise. Wilmore JH, et al. **J Appl Physiol** 1982 Jun;52(6):1493–7
Isotopic analysis of leucine and urea metabolism in exercising humans. Wolfe RR, et al. **J Appl Physiol** 1982 Feb; 52(2):458–66
Impaired cardiac 'acceleration' at the onset of exercise in patients with coronary disease. Zimmerman P, et al. **J Appl Physiol** 1982 Jan;52(1):71–8
Self-motivation and adherence to therapeutic exercise. Dishman RK, et al. **J Behav Med** 1981 Dec;4(4):421–38
A method to increase compliance to exercise regimens in rheumatoid arthritis patients. Waggoner CD, et al. **J Behav Med** 1981 Jun;4(2):191–201
Functional differentiation within the tensor fasciae latae. A telemetered electromyographic analysis of its locomotor roles. Paré EB, et al. **J Bone Joint Surg [Am]** 1981 Dec; 63-A(9):1457–71
Intracompartmental pressure increase on exertion in patients with chronic compartment syndrome in the leg. Puranen J, et al. **J Bone Joint Surg [Am]** 1981 Oct;63A(8):1304–9
In vivo rotatory knee stability. Ligamentous and muscular contributions. Shoemaker SC, et al. **J Bone Joint Surg [Am]** 1982 Feb;64(2):208–16
Transesophageal echocardiographic evaluation of left ventricular function at rest and during dynamic exercise in aortic insufficiency. Matsumoto M, et al. **J Cardiogr** 1981 Dec;11(4):1147–57
Effects of oxprenolol on the intra-arterial blood pressure response to dynamic exercise in hypertensive men. Millar-Craig MW, et al. **J Cardiovasc Pharmacol** 1981 May-Jun;3(3):468–76
Vagal and sympathetic contributions to the heart rate at rest and during isometric and dynamic exercise in young healthy men. Nyberg G. **J Cardiovasc Pharmacol** 1981 Nov-Dec;3(6):1243–50
Urinary C-peptide: an indicator of beta-cell secretion under different metabolic conditions. Blix PM, et al. **J Clin Endocrinol Metab** 1982 Mar;54(3):574–80
Feedback from meal-related peaks determines diurnal changes in cortisol response to exercise. Brandenberger G, et al. **J Clin Endocrinol Metab** 1982 Mar;54(3):592–6
Influence of sex and obesity on plasma catecholamine response to isometric exercise. Gustafson AB, et al. **J Clin Endocrinol Metab** 1982 Oct;55(4):703–8
Plasma epinephrine disturbances in diabetic subjects during standing and after isometric exercise. Gustafson AB, et al. **J Clin Endocrinol Metab** 1981 Oct;53(4):759–63
Low renin-aldosterone in 'prehypertensive' young adults. Kotchen TA, et al. **J Clin Endocrinol Metab** 1982 Apr; 54(4):808–14
Dopaminergic control of 18-hydroxycorticosterone responses to posture, isometric exercise, and diuretic administration in normal man. Sowers JR, et al.

J Clin Endocrinol Metab 1982 Sep;55(3):475–80
Lactate and glucose exchange across the forearm, legs, and splanchnic bed during and after prolonged leg exercise. Ahlborg G, et al. **J Clin Invest** 1982 Jan;69(1):45–54
Synergistic interaction between exercise and insulin on peripheral glucose uptake. DeFronzo RA, et al. **J Clin Invest** 1981 Dec;68(6):1468–74
Role of metabolic CO2 production in ventilatory response to steady-state exercise. Phillipson EA, et al. **J Clin Invest** 1981 Sep;68(3):768–74
Exercise-induced hemolysis in xerocytosis. Erythrocyte dehydration and shear sensitivity. Platt OS, et al. **J Clin Invest** 1981 Sep;68(3):631–8
Muscle glucose metabolism following exercise in the rat: increased sensitivity to insulin. Richter EA, et al. **J Clin Invest** 1982 Apr;69(4):785–93
Selected cardiac and metabolic responses to pseudoephedrine with exercise. Bright TP, et al. **J Clin Pharmacol** 1981 Nov–Dec;21(11–12 Pt 1):488–92
Forced walking prepartum for dairy cows of different ages. Lamb RC, et al. **J Dairy Sci** 1981 Oct;64(10):2017–24
Effects of maternal exercise on fetal and maternal respiration and nutrient metabolism in the pregnant ewe. Chandler KD, et al. **J Dev Physiol** 1981 Jun;3(3):161–76
Changes in R wave during exercise: correlation with left ventricular function and volumes. Iskandrian AS, et al. **J Electrocardiol** 1982 Apr;15(2):199–203
Adrenocortical responses of ducks to treadmill exercise. Harvey S, et al. **J Endocrinol** 1982 Jul;94(1):141–6
Relationship between muscle force and muscle area showing glycogen loss during locomotion. Armstrong RB, et al. **J Exp Biol** 1982 Apr;97:411–20
Cardiovascular changes associated with treadmill running in the Pekin duck. Bech C, et al. **J Exp Biol** 1982 Apr; 97:345–58
Respiration in exercising fowl. I. Oxygen consumption, respiratory rate and respired gases. Brackenbury JH, et al. **J Exp Biol** 1981 Aug;93:317–25
Respiration in exercising fowl. II. Respiratory water loss and heat balance. Brackenbury JH, et al. **J Exp Biol** 1981 Aug; 93:327–32
The respiratory metabolism of temperature-adapted flatfish at rest and during swimming activity and the use of anaerobic metabolism at moderate swimming speeds. Duthie GG. **J Exp Biol** 1982 Apr;97:359–73
Fitness evaluation and exercise prescription. Mead WF, et al. **J Fam Pract** 1981 Dec;13(7):1039–50
Exercise patterns of an elderly population. Perry BC. **J Fam Pract** 1982 Sep;15(3):545–6
Relative effects of exercise, diet, and female stimulation on sexual aging of male mice. Bronson FH. **J Gerontol** 1982 Sep;37(5):555–9
The interaction of aging and endurance exercise upon the mitochondrial function of skeletal muscle. Farrar RP, et al. **J Gerontol** 1981 Nov;36(6):642–7
Age and oxygen utilization during submaximal treadmill exercise in males. Montoye HJ. **J Gerontol** 1982 Jul; 37(4):396–402
Aerobic and anaerobic threshold of Japanese male adults. Nemoto I, et al. **J Hum Ergol (Tokyo)** 1980 Dec;9(2):183–9
The effect of elbow angle on the isometric strength and endurance of the elbow flexors in men and women. Petrofsky JS, et al. **J Hum Ergol (Tokyo)** 1980 Dec; 9(2):125–31
Characteristics of well-trained athletes in prolonged exercise from the viewpoint of aerobic power. Shibayama H, et al. **J Hum Ergol (Tokyo)** 1980 Sep;9(1):55–68
Effects of toeclip use on metabolic and cardiopulmonary responses to bicycle ergometer exercise. Wilde SW, et al. **J Hum Ergol (Tokyo)** 1980 Sep;9(1):47–54
The effects of strenuous exercise on infection with Francisella tularensis in rats. Friman G, et al. **J Infect Dis** 1982 May; 145(5):706–14
Exercise-induced anaphylaxis; a case report. Shields JM, et al. **J Kans Med Soc** 1981 Sep;82(9):407, 412
Preventing atherosclerosis through exercise and control of blood coagulation. McClelland J, et al. **J Med Assoc Ga** 1981 Sep;70(9):679–82
Effect of exercise on serum creatine kinase in carriers of Duchenne muscular dystrophy. Gaines RF, et al. **J Med Genet** 1982 Feb;19(1):4–7
Myoadenylate deaminase deficiency or not? Observations on two brothers with exercise-induced muscle pain. Hayes DJ, et al. **J Neurol Sci** 1982 Jan;53(1):125–36
The effects of detraining on an elite power lifter. A case study. Staron RS, et al. **J Neurol Sci** 1981 Aug;51(2):247–57
Re: exercise lowers thyroid radioiodine uptake: concise communication [letter] Johnson JR. **J Nucl Med** 1981 Sep; 22(9):834–5
Comparison of myocardial thallium-201 clearance after maximal and submaximal exercise: implications for diagnosis of coronary disease: concise communication. Massie BM, et al. **J Nucl Med** 1982 May;23(5):381–5
Discontinuation of beta blockers before exercise radionuclide ventriculograms. Ponto JA, et al. **J Nucl Med** 1982 May; 23(5):456–7
Relationship between iron status and exercise in male and female growing rats. Bowering J, et al. **J Nutr** 1981 Sep; 111(9):1648–57
Effects of exercise on iron and copper metabolism in rats. Ruckman KS, et al. **J Nutr** 1981 Sep;111(9):1593–601
Voluntary exercise during pregnancy and lactation and its effect on lactational performance in mice. Karasawa K, et al. **J Nutr Sci Vitaminol (Tokyo)** 1981;27(4):333–9
Blood pressure response to dynamic exercise in healthy children—black vs white. Alpert BS, et al. **J Pediatr** 1981 Oct;99(4):556–60
Influence of spinal curvature on exercise capacity. Chong KC, et al. **J Pediatr Orthop** 1981;1(3):251–4
Circulatory effects in healthy young men of atrial pacing at rest and during isometric handgrip. Bergenwald L, et al. **J Physiol (Lond)** 1981 Sep;318:445–53
Modification, by tractive loading, of the energy cost of walking in sheep, cattle and man. Boyne AW, et al. **J Physiol (Lond)** 1981 Jun;315:303–16
The effects of exercise on protein and electrolyte secretion in parotid saliva. Dawes C. **J Physiol (Lond)** 1981 Nov; 320:139–48
The effects of alanine, glucose and starch ingestion on the ketosis produced by exercise and by starvation. Koeslag JH, et al. **J Physiol (Lond)** 1982 Apr;325:363–76
Effects of experimental emotional stress and physical exercise on the circulation in hypertensive patients and control subjects. Groen JJ, et al. **J Psychosom Res** 1982; 26(2):141–54
Morale in coronary patients following an exercise programme. Prosser G, et al. **J Psychosom Res** 1981; 25(6):587–93
The effect of a standardized psychological stressor on the cardiovascular response to physical effort soon after uncomplicated myocardial infarction. Taylor CB, et al. **J Psychosom Res** 1982;26(2):263–8
Exercise after myocardial infarction: a controlled trial. Carson P, et al. **J R Coll Physicians Lond** 1982 Jul; 16(3):147–51
Do pelvic floor exercises really improve orgasmic potential? Roughan PA, et al. **J Sex Marital Ther** 1981 Fall;7(3):223–9
The effect of catecholamines or sodium lactate on blood lactate distribution in the rat. Aragno R. **J Sports Med Phys Fitness** 1981 Mar;21(1):7–14
Biological and haematological modificaticns after two years of physical activity in middle-aged men. Attinà DA, et al. **J Sports Med Phys Fitness** 1981 Sep;21(3):253–8
Evaluation of cardiac dynamics during isometric exercise in young female athletes: an echocardiographic study. Cassone R, et al. **J Sports Med Phys Fitness** 1981 Dec; 21(4):359–64
The use of selected submaximal step tests in predicting change in the maximal oxygen intake of college women. Johnson J, et al. **J Sports Med Phys Fitness** 1981 Sep; 21(3):259–64
Specificity of submaximal working capacity. Leblanc C, et al. **J Sports Med Phys Fitness** 1981 Mar;21(1):15–22
Effect of training on blood pressure and heart rate measured continuously during exercise. Man-I M, et al. **J Sports Med Phys Fitness** 1981 Jun;21(2):97–112
The effects of acute exercise on the level of blood serum tri-iodothyronine (T3), thyroxine (T4) and free thyroxine index (FTI) in the aging male. Métivier G, et al. **J Sports Med Phys Fitness** 1981 Dec;21(4):371–6
EMG related to anaerobic threshold. Miyashita M, et al. **J Sports Med Phys Fitness** 1981 Sep;21(3):209–17
Serum concentrations of myoglobin, creatine phosphokinase and lactic dehydrogenase after exercise in trained and untrained athletes. Roti S, et al. **J Sports Med Phys Fitness** 1981 Jun;21(2):113–8
Calculation of submaximal and maximal cardiac output in children using the CO2 rebreathing technique. Sady SP, et al. **J Sports Med Phys Fitness** 1981 Sep;21(3):245–52
Sleep after exercise: a literature review. Torsvall L. **J Sports Med Phys Fitness** 1981 Sep;21(3):218–25 (47 ref.)
Sudden death and physical exertion. Zeppilli P, et al. **J Sports Med Phys Fitness** 1981 Sep;21(3):299–300
Diabetes clinical care conference—Exercise in insulin-dependent diabetes. **J Tenn Med Assoc** 1981 Oct; 74(10):744–5
Disuse and aging. Bortz WM 2d. **JAMA** 1982 Sep 10; 248(10):1203–8
Hypernatremia induced by maximal exercise. Felig P, et al. **JAMA** 1982 Sep 10;248(10):1209–11
Pritikin vs AHA diet: no difference for peripheral vascular disease [news] Korcok M. **JAMA** 1981 Oct 23–30; 246(17):1871
Add exercise to calcium in osteoporosis prevention. Korcok M. **JAMA** 1982 Feb 26;247(8):1106, 1112
Blood pressure during normal daily activities, sleep, and exercise. Comparison of values in normal and hypertensive subjects. Pickering TG, et al. **JAMA** 1982 Feb 19; 247(7):992–6
The effects of running mileage and duration on plasma lipoprotein levels. Williams PT, et al. **JAMA** 1982 May 21;247(19):2674–9
Possible influence of physical activity on musculoskeletal symptoms of menopausal and postmenopausal women. Gregory CA. **JOGN Nurs** 1982 Mar–Apr;11(2):103–7
Influence of ergometer exercise on aortic pressure-diameter relationship in healthy men. Sugishita Y, et al. **Jpn Heart J** 1982 May;23(3):315–27
Exercise-induced glycogenolysis in sympathectomized rats. Hashimoto I, et al. **Jpn J Physiol** 1982;32(2):153–60
Finger blood flow decrease in leg exercise. Kitamura K, et al. **Jpn J Physiol** 1982;32(1):141–4
Transient changes in ventilation and cardiac output at the start and end of exercise. Miyamoto Y, et al. **Jpn J Physiol** 1981;31(2):153–68
Fall in skin temperature during exercise observed by thermography. Nakayama T, et al. **Jpn J Physiol** 1981; 31(5):757–62
Fall in forearm skin temperature during grade walking on a treadmill. Ohnuki Y, et al. **Jpn J Physiol** 1982; 32(1):93–101
Graded exercise and protein excretion in diabetic man and the effect of insulin treatment. Vittinghus E, et al. **Kidney Int** 1982 May;21(5):725–9
Increased ammonia production during forearm ischemic work test in McArdle's disease. Rumpf KW, et al. **Klin Wochenschr** 1981 Dec 1;59(23):1319–20
Effects of d-amphetamine on activity-stress ulcers in rats. Glavin GB, et al. **Kurume Med J** 1981;28(3):223–6
Running, jumping, and...amenorrhoea [editorial] **Lancet** 1982 Sep 18;2(8299):638–40
Cardiovascular consequences of sustained exercise [editorial] **Lancet** 1982 Apr 17;1(8277):893
Beneficial effects of dantrolene sodium in exercise-induced muscle pains: calcium mediated? [letter] Bertorini T, et al. **Lancet** 1982 Mar 13;1(8272):616–7
Plasma potassium during exercise [letter] Corea L, et al. **Lancet** 1981 Dec 5;2(8258):1292
Creatine kinase and its isoenzymes in skeletal muscle of athletes [letter] Kettunen P, et al. **Lancet** 1982 Sep 11; 2(8298):611
Propranolol, exercise, and arterial plasma potassium [letter] Lim M, et al. **Lancet** 1981 Sep 12;2(8246):591
Endorphin mediated increase in pain threshold induced by long-lasting exercise in rats. Shyu BC, et al. **Life Sci** 1982 Mar 8;30(10):833–40
Acute effect of physical exercise on glycogen content and lipoprotein lipase activity in untrained diabetic rats. Rauramaa R. **Med Biol** 1982 Jun;60(3):139–43
Blood flow measurement during exercise in sheep using Doppler ultrasonic method. Carter J, et al. **Med Biol Eng Comput** 1981 May;19(3):373–6
Online computer for assessing respiratory and metabolic function during exercise. Miyamoto Y, et al. **Med Biol Eng Comput** 1981 May;19(3):340–8
Continuous determination of cardiac output during exercise by the use of impedance plethysmography. Miyamoto Y, et al. **Med Biol Eng Comput** 1981 Sep;19(5):638–44
Calorimeter ergometer for concentric and eccentric work. Snellen JW, et al. **Med Biol Eng Comput** 1981 May; 19(3):356–8
Aerobic capacity and habitual physical activity in three groups of apparently healthy Malay males. Shahabudin SH. **Med J Malaysia** 1981 Mar;36(1):47–51
The effect of an acute bout of exercise on selected pulmonary function measurements. Buono MJ, et al. **Med Sci Sports Exerc** 1981;13(5):290–3
Cardiorespiratory responses to ballet exercise and the VO2max of elite ballet dancers. Cohen JL, et al. **Med Sci Sports Exerc** 1982;14(3):212–7
Effects of exercise performance on drugs used in musculoskeletal disorders. Day RO. **Med Sci Sports Exerc** 1981;13(4):272–5
Glucose utilization in human erythrocytes during physical exercise. Fornaini G, et al. **Med Sci Sports Exerc** 1981; 13(5):322–4
A biomechanical study of the triple jump. Fukashiro S, et al. **Med Sci Sports Exerc** 1981;13(4):233–7
The effects of prolonged exercise on spinally injured subjects. Gass GC, et al. **Med Sci Sports Exerc** 1981;13(5):277–83
Metacarpophalangeal flexion forces with respect to age, sex, and exercise habits. Hall SJ. **Med Sci Sports Exerc** 1981; 13(5):329–31
Effects of wind on the thermal and metabolic responses to exercise in the cold. Haymes EM, et al. **Med Sci Sports Exerc** 1982;14(1):41–5
The heart rate, perceived exertion, and pace of the 1.5 mile run. Jackson A, et al. **Med Sci Sports Exerc** 1981; 13(4):224–8
Biological variability in maximum aerobic power. Katch VL, et al. **Med Sci Sports Exerc** 1982;14(1):21–5
Exercise after sleep deprivation. Martin BJ, et al. **Med Sci Sports Exerc** 1981;13(4):220–3
Load-carrying effects on the adult beagle tibia. Martin RK, et al. **Med Sci Sports Exerc** 1981;13(5):343–9
Heart rate response to bicycle ergometer exercise in children ages 6–7 years. Pels AE 3d, et al. **Med Sci Sports Exerc** 1981;13(5):299–302
The effect of drugs on the cardiovascular response to exercise. Powles AC. **Med Sci Sports Exerc** 1981; 13(4):252–8 (88 ref.)
Anaerobic and aerobic responses of males and females to rope skipping. Quirk JE, et al. **Med Sci Sports Exerc** 1982; 14(1):26–9
Perceived exertion and anaerobic threshold during the menstrual cycle. Stephenson LA, et al. **Med Sci Sports Exerc** 1982;14(3):218–22
Drugs used in metabolic disorders. Sutton JR. **Med Sci Sports Exerc** 1981;13(4):266–71 (31 ref.)
Drugs—some basic concepts. Sweeney GD. **Med Sci Sports Exerc** 1981;13(4):247–51
Comparison of serum lipids between habitually high and low active pre-adolescent males. Thorland WG, et al. **Med Sci Sports Exerc** 1981;13(5):316–21
Differentiated ratings of perceived exertion are influenced by high altitude exposure. Young AJ, et al.

Med Sci Sports Exerc 1982;14(3):223–8

Changes in renal cortical sialic acids and colloidal iron staining associated with exercise. Zambraski EJ, et al. **Med Sci Sports Exerc** 1981;13(4):229–32

Acute decrease in serum triglycerides with exercise: is there a threshold for an exercise effect? Cullinane E, et al. **Metabolism** 1982 Aug;31(8):844–7

Influence of physical training on the fuel–hormone response to prolonged low intensity exercise. Koivisto V, et al. **Metabolism** 1982 Feb;31(2):192–7

Studies on the sparing effect of exercise on insulin requirements in human subjects. LeBlanc J, et al. **Metabolism** 1981 Nov;30(11):1119–24

Variations in plasma glucose, insulin, growth hormone and catecholamines in response to insulin in trained and non–trained subjects. LeBlanc J, et al. **Metabolism** 1982 May;31(5):453–6

Increase of lipoprotein–lipase activity in skeletal muscle during heavy exercise. Relation to epinephrine excretion. Lithell H, et al. **Metabolism** 1981 Nov;30(11):1130–4

Prevention of age–related hypertriglyceridemia by caloric restriction and exercise training in the rat. Reaven GM, et al. **Metabolism** 1981 Oct;30(10):982–6

Hypoglycemia during exercise [letter] **N Engl J Med** 1982 Sep 23;307(13):822–3

In–hospital exercise after myocardial infarction [letter] **N Engl J Med** 1981 Dec 24;305(26):1592–3

Exercise and the endogenous opioids [letter] **N Engl J Med** 1981 Dec 24;305(26):1590–2

Primary intervention against coronary atherosclerosis by exercise conditioning? [editorial] Bruce RA. **N Engl J Med** 1981 Dec 17;305(25):1525–6

Hypoglycemia during prolonged exercise in normal men. Felig P, et al. **N Engl J Med** 1982 Apr 15;306(15):895–900

Exercise and coronary atherosclerosis [letter] Heineken PA. **N Engl J Med** 1982 May 6;306(18):1112

Improved myocardial function during exercise after successful percutaneous transluminal coronary angioplasty. Kent KM, et al. **N Engl J Med** 1982 Feb 25;306(8):441–6

Reduction of coronary atherosclerosis by moderate conditioning exercise in monkeys on an atherogenic diet. Kramsch DM, et al. **N Engl J Med** 1981 Dec 17; 305(25):1483–9

Exercise and coronary atherosclerosis [letter] Miller IH 3d. **N Engl J Med** 1982 May 13;306(19):1174–5

Pyridoxine (B6) suppresses the rise in prolactin and increases the rise in growth hormone induced by exercise [letter] Moretti C, et al. **N Engl J Med** 1982 Aug 12;307(7):444–5

Preoperative prediction of reversible myocardial asynergy by postexercise radionuclide ventriculography. Rozanski A, et al. **N Engl J Med** 1982 Jul 22;307(4):212–6

Lack of effect of nonsteroidsal anti–inflammatory drugs on exercise–induced hyperkalemia [letter] Saris S, et al. **N Engl J Med** 1982 Aug 26;307(9):559–60

Effects of dihydrocodeine, alcohol, and caffeine on breathlessness and exercise tolerance in patients with chronic obstructive lung disease and normal blood gases. Woodcock AA, et al. **N Engl J Med** 1981 Dec 31; 305(27):1611–6

Relationship of beta–adrenoreceptor density to fitness in athletes. Butler J, et al. **Nature** 1982 Jul 1;298(5869):60–2

Effect of moderate daily exercise on acute glomerulonephritis. Stefaniak JE, et al. **Nephron** 1981; 29(1–2):49–54

The ventricular paced QT interval––the effects of rate and exercise. Milne JR, et al. **PACE** 1982 May;5(3):352–8

Pain complaint––exercise performance relationship in chronic pain. Fordyce W, et al. **Pain** 1981 Jun;10(3):311–21

Dynamic exercise response in hypertensive adolescent on clonidine therapy: clonidine therapy in adolescent hypertension. Falkner B, et al. **Pediatr Pharmacol (New York)** 1980;1(2):121–8

American Academy of Pediatrics, Committee on Sports Medicine. Climatic heat stress and the exercising child. **Pediatrics** 1982 Jun;69(6):808–9

Effect of physical training on exercise performance of children following surgical repair of congenital heart disease. Goldberg B, et al. **Pediatrics** 1981 Nov;68(5):691–9

The effects of physical or perceptual work loads on a coincidence/anticipation task. Fleury M, et al. **Percept Mot Skills** 1981 Dec;53(3):843–50

Technique for differentiating cortical hemispheric activity following exercise. Powell RR. **Percept Mot Skills** 1982 Jun;54(3):923–32

Movement and body–image: a preliminary study. Rosenthal MM, et al. **Percept Mot Skills** 1981 Dec;53(3):758

Blood flow in different adipose tissue depots during prolonged exercise in dogs. Bülow J, et al. **Pflugers Arch** 1982 Jan;392(3):235–8

Subcutaneous adipose tissue blood flow and triacylglycerol–mobilization during prolonged exercise in dogs. Bülow J. **Pflugers Arch** 1982 Jan;392(3):230–4

Arterial pressure, cardiac output and exercise hyperemia in chemically sympathectomized rats. Rodionov IM, et al. **Pflugers Arch** 1981 Oct;391(4):324–6

The possible role of acetate in exercise hyperemia in dog skeletal muscle. Steffen RP, et al. **Pflugers Arch** 1982 Feb; 392(4):315–21

Effect of exercise on amino acid incorporation into myocardial contractile proteins. Swartman JR, et al. **Pflugers Arch** 1981 Oct;391(4):319–23

Improved cardiopulmonary status after a two–month program of graded arm exercise in a patient with C6 quadriplegia. A case report. DiCarlo SE. **Phys Ther** 1982 Apr;62(4):456–9

Response of patients with chronic pain to exercise quotas. Doleys DM, et al. **Phys Ther** 1982 Aug;62(8):1111–4

Effects of isometric muscle training on residual limb volume, strength, and gait of below–knee amputees. Kegel B, et al. **Phys Ther** 1981 Oct;61(10):1419–26

Neural regulation of cardiovascular response to exercise: Part II. Littell EH. **Phys Ther** 1981 Oct;61(10):1411–8

Electromyographic study of the peroneus longus muscle during bridging activities. Schunk MC. **Phys Ther** 1982 Jul;62(7):970–5

Food intake, body composition and blood lipids following treadmill exercise in male and female rats. Applegate EA, et al. **Physiol Behav** 1982 May;28(5):917–20

Effects of wheel running on food intake and weight gain of male and female rats. Tokuyama K, et al. **Physiol Behav** 1982 May;28(5):899–903

The effects of voluntary exercise on the sexual behavior of the female hamster. Vicente I, et al. **Physiol Behav** 1981 Nov;27(5):767–72

Exercise training for children with asthma. Out–patient programme and a residential experiment. Mallinson BM, et al. **Physiotherapy** 1981 Apr 10;67(4):106–8

Living to the limit: exercise for the chronic breathless patient. Webber BA. **Physiotherapy** 1981 May 10;67(5):128–30

Factors influencing strength testing and exercise prescription. Westers BM. **Physiotherapy** 1982 Feb;68(2):42–4

Exercise training in patients with COPD. Braun SR, et al. **Postgrad Med** 1982 Apr;71(4):163–73

Benign exertional headaches. Diamond S. **Postgrad Med** 1982 Mar;71(3):244–5

Rehabilitation of the cardiac patient. Program phases and rationale. Winslow EB. **Postgrad Med** 1982 Feb; 71(2):114–9, 122–7

Failure of anti–hypertensive drugs to control blood pressure rise with isometric exercise in hypertension. O'Hare JA, et al. **Postgrad Med J** 1981 Sep;57(671):552–5

Exercise–induced anterior tibial compartment compression syndrome in the elderly. Sweeney RC, et al. **Postgrad Med J** 1981 Aug;57(670):537–8

Rehabilitation of coronary patients. Bethell HJ. **Practitioner** 1982 Mar;226(1365):477–9, 481–2

Exercise–induced hypoglycemia. [editorial] Douglas JD. **Practitioner** 1982 Jul;226(1369):1207

A movement and exercise group for asthmatics. Green JM, et al. **Practitioner** 1982 May;226(1367):961–4

Compliance and exercise in primary and secondary prevention of coronary heart disease: a review. Oldridge NB. **Prev Med** 1982 Jan;11(1):56–70

Physical activity and aging. Naughton J. **Primary Care** 1982 Mar;9(1):231–8

Mitochondrial regulation of phosphocreatine/inorganic phosphate ratios in exercising human muscle: a gated 31P NMR study. Chance B, et al. **Proc Natl Acad Sci USA** 1981 Nov;78(11):6714–8

Running elevates plasma beta–endorphin immunoreactivity and ACTH in untrained human subjects. Gambert SR, et al. **Proc Soc Exp Biol Med** 1981 Oct;168(1):1–4

The effects of an exercise training upon subsequently induced cardiac enlargement. Hodgins DS. **Proc Soc Exp Biol Med** 1982 Mar;169(3):392–6

Requirements related to physical activity and inactivity. Nelson RA. **Prog Clin Biol Res** 1981;67:153–60

Exercise and lipid metabolism. Oscai LB. **Prog Clin Biol Res** 1981;67:383–90 (65 ref.)

Physical activity: impact on protein and amino acid metabolism and implications for nutritional requirements. Young VR, et al. **Prog Clin Biol Res** 1981;77:57–85 (73 ref.)

Exercise and obesity: etiology, physiology, and intervention. Thompson JK, et al. **Psychol Bull** 1982 Jan;91(1):55–79

Influence of male social contacts, exercise and all–female living conditions on the menstrual cycle. Quadagno DM, et al. **Psychoneuroendocrinology** 1981;6(3):239–44

Heart rate discrimination before and after exercise–induced augmented cardiac activity. Jones GE, et al. **Psychophysiology** 1981 May;18(3):252–7

Physical fitness, exercise, and REM sleep cycle length. Trinder J, et al. **Psychophysiology** 1982 Jan;19(1):89–93

Cardiovascular differentiation of happiness, sadness, anger, and fear following imagery and exercise. Schwartz GE, et al. **Psychosom Med** 1981 Aug;43(4):343–64

Interactions among dietary pattern, physical activity and skinfold thickness. Blair SN, et al. **Res Q Exerc Sport** 1981 Dec;52(4):505–11

The 1980 C. H. McCloy Research Lecture. Psychophysiology of self–awareness during vigorous physical activity. Morgan WP. **Res Q Exerc Sport** 1981 Oct;52(3):385–427

The effect of two levels of muscular work on urinary creatinine excretion. Riley WW Jr, et al. **Res Q Exerc Sport** 1981 Oct;52(3):339–47

VO2 max in variable type exercise among well–trained upper body athletes. Seals DR, et al. **Res Q Exerc Sport** 1982 Mar;53(1):58–63

The limitation of exercise ventilation during speech. Doust JH, et al. **Respir Physiol** 1981 Nov;46(2):137–47

Accelerated respiratory response to moderate exercise in late pregnancy. Edwards MJ, et al. **Respir Physiol** 1981 Sep; 45(3):229–41

Evidence in man for a fast neural mechanism during the early phase of exercise hyperpnea. Fordyce WE, et al. **Respir Physiol** 1982 Apr;48(1):27–43

Panting in dogs: paths of air flow in response to heat and exercise. Goldberg MB, et al. **Respir Physiol** 1981 Mar; 43(3):327–38

Influence of diet on CO2 production and ventilation in constant–load exercise. Hughson RL, et al. **Respir Physiol** 1981 Nov;46(2):149–60

Respiratory responses to running and walking at the same metabolic rate. McMurray RG, et al. **Respir Physiol** 1982 Feb;47(2):257–65

Gas exchange during bicycle exercises preceded or not by loadless pedalling in female and male subjects. Maillard D, et al. **Respir Physiol** 1981 Aug;45(2):201–16

Control of ventilation during graded exercise in the dog. Szlyk PC, et al. **Respir Physiol** 1981 Dec;46(3):345–65

Ventilatory pattern during handgrip on normal man. Bosisio E, et al. **Respiration** 1981;42(2):84–7

Variation among normal persons in short–term ventilatory capacity. Martin BJ, et al. **Respiration** 1982;43(1):23–8

Abnormal wasted ventilation fraction and normal pulmonary hemodynamics during exercise in patients with exertional dyspnea. Mohsenifar Z, et al. **Respiration** 1982;43(4):263–70

Exercise – the need for careful prescription. Gordon NF, et al. **S Afr Med J** 1982 Jul 10;62(2):47–9

Criticisms of exercise after heart attack––variations on an old theme? Noakes TD. **S Afr Med J** 1982 Aug 14; 62(8):238–40

Radionuclide exercise ventriculography and levels of workload. Wynchank S. **S Afr Med J** 1982 Jun 19; 61(25):950–2 (29 ref.)

Functional and biochemical responses of children with progressive muscular dystrophy on standard physical exertion. Nesvadba Z, et al. **Sb Ved Pr Lek Fak Univ Karlovy** 1981;24(2):215–52

Human adipose tissue blood flow during prolonged exercise, III. Effect of beta–adrenergic blockade, nicotinic acid and glucose infusion. Bülow J. **Scand J Clin Lab Invest** 1981 Jun;41(4):415–24

Muscle metabolism during exercise in men operated upon for coarctation of the aorta in childhood. Eriksson BO, et al. **Scand J Clin Lab Invest** 1981 Apr;41(2):135–41

Exercise–induced proteinuria in children and adolescents. Huttunen NP, et al. **Scand J Clin Lab Invest** 1981 Oct; 41(6):583–7

Relationship of high density lipoprotein cholesterol concentration to the duration and intensity of endurance training. Myhre K, et al. **Scand J Clin Lab Invest** 1981 May;41(3):303–9

Effects of exercise on urinary excretion of albumin and beta 2–microglobulin in young patients with mild essential hypertension without treatment and during long–term propranolol treatment. Pedersen EB, et al. **Scand J Clin Lab Invest** 1981 Sep;41(5):493–8

Metabolic responses to bicycle exercise after several days of physical work and energy deficiency. Rognum TO, et al. **Scand J Clin Lab Invest** 1981 Oct;41(6):565–71

Albumin excretion and renal haemodynamic response to physical exercise in normal and diabetic man. Vittinghus E, et al. **Scand J Clin Lab Invest** 1981 Nov;41(7):627–32

Serum ferritin in young men during prolonged heavy physical exercise. Vidnes A, et al. **Scand J Haematol** 1981 Sep; 27(3):165–70

Perceived exertion during patient lifts. An evaluation of the importance of various factors for the subjective strain during lifting and carrying of patients. A study at a geriatric hospital. Dehlin O, et al. **Scand J Rehabil Med** 1982; 14(1):11–20

Relationship of isometric knee extension torque and functional variables in osteoarthrosis of the knee. Lankhorst GJ, et al. **Scand J Rehabil Med** 1982;14(1):7–10

Diurnal and sequential grip functions in normal subjects and effects of temperature change and exercise of the forearm on grip function in patients with rheumatoid arthritis and in normal controls. Pearson R, et al. **Scand J Rheumatol** 1982;11(2):113–8

Myoglobin function in exercising skeletal muscle. Cole RP. **Science** 1982 Apr 30;216(4545):523–5

Physiological basis for swimming endurance differences between LDH–B genotypes of Fundulus heteroclitus. DiMichele L, et al. **Science** 1982 May 28;216(4549):1014–6

Slow–wave sleep: a recovery period after exercise. Shapiro CM, et al. **Science** 1981 Dec 11;214(4526):1253–4

Energy expenditure and total sleep time: effect of physical exercise. Montgomery I, et al. **Sleep** 1982;5(2):159–68

Blood pressure at rest and during exercise among Sherpas and Tibetan migrants in Nepal. Weitz CA. **Soc Sci Med** 1982;16(2):223–31

Handgrip exercise in normal young women: a noninvasive cardiovascular assessment. Kessler KM, et al. **South Med J** 1982 Apr;75(4):392–5

Effects of digoxin on exercise performance in normal subjects. Lee YT. **Taiwan I Hsueh Hui Tsa Chih** 1981 Jan; 80(1):78–92

The changes in left ventricular function during multistage bicycle supine exercise testing. Lee YT. **Taiwan I Hsueh Hui Tsa Chih** 1981 Jul;80(7):653–72

Treadmill exercise performance in patients with hypertension––its characteristics and clinical implications. Lee YT. **Taiwan I Hsueh Hui Tsa Chih** 1982 Feb; 81(2):171–89

Arterial plasma histamine levels at rest, and during and after exercise in patients with asthma: effects of terbutaline aerosol. Anderson SD, et al. **Thorax** 1981 Apr;36(4):259–67

Exercise testing in pulmonary sarcoidosis. Ingram CG, et al. **Thorax** 1982 Feb;37(2):129–32

Platelet activation during treadmill exercise in patients with chronic peripheral arterial disease. Baele G, et al. **Thromb Res** 1981 Aug 1;23(3):215–23

Platelet activation during exercise-induced myocardial ischaemia. Hughes AS, et al. **Thromb Res** 1982 Jun 15; 26(6):425–30

Influence of exercise and smoking on high density lipoprotein cholesterol in university students. Nakamura S. **Tohoku J Exp Med** 1981 Dec;135(4):443–4

Protection against the cardiotoxic effect of isoproterenol-HCl by dietary polyunsaturated fatty acids and exercise. Crandall DL, et al. **Toxicol Appl Pharmacol** 1982 Jan;62(1):152–7

Control system evaluations of the THI/Gould LVAS: pump rate and stroke volume responsiveness during exercise in the unanesthetized calf. Igo SR, et al. **Trans Am Soc Artif Intern Organs** 1981;27:454–60

Hemodynamic response to exercise during chronic ventricular fibrillation and nonpulsatile biventricular bypass (BVB). Valdés F, et al. **Trans Am Soc Artif Intern Organs** 1981;27:449–53

Myocardium salvaged by coronary artery reperfusion responds appropriately to cardiovascular stress. Cox DA, et al. **Trans Assoc Am Physicians** 1981;94:333–40

Beta-adrenoreceptor down-regulation by dynamic exercise and upright posture in man. Fitzgerald GA, et al. **Trans Assoc Am Physicians** 1981;94:310–3

Effectiveness of a breath during exercise in a hyperbaric environment. Van Liew HD, et al. **Undersea Biomed Res** 1981 Sep;8(3):147–61

Exercise and cardiovascular function: benefits and risks. Tucker SC. **Va Med** 1982 Apr;109(4):261–3

Effort thrombosis, a complication of thoracic outlet syndrome. Dunant JH. **Vasa** 1981;10(4):322–4

Alterations in blood, sweat, urine and muscle composition during prolonged exercise in the horse. Snow DH, et al. **Vet Rec** 1982 Apr 17;110(16):377–84

Effect of acute exercise stress in cardiac hypertrophy. II. Quantitative ultrastructural changes in the myocardial cell. Singh S, et al. **Virchows Arch [Cell Pathol]** 1982; 39(3):293–303

Lactate and pyruvate changes during treadmill exercise in patients with intermittent claudication. Maass U, et al. **Z Kardiol** 1982 Jan;71(1):39–43

[Some metabolic changes in human physical performance and introduction of ergogenic substances (author's transl)] Chen RD. **Sheng Li Ko Hsueh Chin Chan** 1981 Jan;12(1):47–52 (45 ref.) **(Chi)**

[The role of physical exercise in prevention and treatment of coronary heart disease (author's transl)] Lu X. **Sheng Li Ko Hsueh Chin Chan** 1981 Jan;12(1):40–6 **(Chi)**

[Comparison of the results of spiroergometry and coronarography in angina pectoris after myocardial infarction] Barták K, et al. **Cas Lek Cesk** 1981 Nov 19; 120(46):1401–7 (Eng. Abstr.) **(Cze)**

[The dynamics of non-invasive circulatory indices in men and women exposed to ergometric tests (author's transl)] Bravený P, et al. **Cas Lek Cesk** 1981 Sep 3;120(35):1041–4 (Eng. Abstr.) **(Cze)**

[Blood pressure during isometric exercise (author's transl)] Dvořák I, et al. **Cas Lek Cesk** 1981;120(52):1599–1601 (Eng. Abstr.) **(Cze)**

[Successful kidney transplantation and haemodialysis transplantation programme – some respiratory parameters during physical exercise and recuperation (author's transl)] Lisý Z. **Cas Lek Cesk** 1982 Mar 26;121(12):365–9 (Eng. Abstr.) **(Cze)**

[Physical perfection, physical fitness and exercise] Sprynarová S. **Cas Lek Cesk** 1982 Jan 22;121(3):65–70 **(Cze)**

[Determination of lacticodehydrogenase in early exercise testing after acute myocardial infarction (author's transl)] Vávra P, et al. **Cas Lek Cesk** 1981;120(50):1530–3 (Eng. Abstr.) **(Cze)**

[Intensive physical training and its effect on the urine excretion of catecholamines and 17-OH corticoids during aerobic exercise on an ergometer (author's transl)] Veselková A, et al. **Cas Lek Cesk** 1982 Jan 22;121(3):71–3 (Eng. Abstr.) **(Cze)**

[Pulmonary circulation at rest and during exertion after myocardial infarct] Ressl J, et al. **Cesk Fysiol** 1981; 30(2):163–7 **(Cze)**

[Physical exertion and athletic participation in patients with eye diseases] Römhild H. **Cesk Oftalmol** 1982 May; 38(3):176–83 **(Cze)**

[Physical activity in childhood] Máček M. **Cesk Pediatr** 1981 Dec;36(12):716–8 (Eng. Abstr.) **(Cze)**

[Disorders of skeletal mineralization in rheumatoid arthritis. II. The effect of inactivity and exercise] Kocián J, et al. **Fysiatr Reumatol Vestn** 1981 Oct;59(5):276–72 (Eng. Abstr.) **(Cze)**

[Derivation and use of a new physiological criterion in the evaluation of performance in horses] Kovář J. **Vet Med (Praha)** 1982 Feb;27(2):81–5 (Eng. Abstr.) **(Cze)**

[Biochemical changes in the blood of pigs after exertion] Toulová M, et al. **Vet Med (Praha)** 1981 Nov;26(11):669–76 (Eng. Abstr.) **(Cze)**

[Exercise-induced bronchospasm and the respiratory response to exercise] Feitová S, et al. **Vnitr Lek** 1981 Dec; 27(12):1202–8 (Eng. Abstr.) **(Cze)**

[Changes in adrenaline and noradrenaline plasma levels in essential hypertension in relation to emotional and physical stress] Přikryl P, et al. **Vnitr Lek** 1982 Jan;28(1):1–9 (Eng. Abstr.) **(Cze)**

[Exercise test in the differential diagnosis of ischemic heart disease in women] Zemánková J, et al. **Vnitr Lek** 1982 Feb; 28(2):142–51 (Eng. Abstr.) **(Cze)**

[Diabetes mellitus and physical activity] Richter EA. **Ugeskr Laeger** 1982 Mar 8;144(10):691–7 (Eng. Abstr.) **(Dan)**

[The isometric exercise-cushion as an aid in curing low-back pain (author's transl)] Dausy R, et al. **J Belge Med Phys Rehabil** 1981;4(2):61–70 (Eng. Abstr.) **(Dut)**

[Work and task load in old age] Fuldauer A. **Ned Tijdschr Geneeskd** 1981 Oct 10;125(41):1671–2 **(Dut)**

[Capacity of the aged for stress. Capacity for stress and the somatic aging process] Hollander CF. **Ned Tijdschr Geneeskd** 1981 Oct 10;125(41):1669–71 **(Dut)**

[Work and stress. The limits of the human body in physical effort] Kuipers H. **Ned Tijdschr Geneeskd** 1981 Oct 10; 125(41):1657–9 **(Dut)**

[Underexertion in work] van Wely PA. **Ned Tijdschr Geneeskd** 1981 Oct 10;125(41):1659–61 **(Dut)**

[Cardiorespiratory function in young bronchitis patients, mostly mineworkers, before and after kinesitherapy and exertion training. Comparison with a control group (Preliminary results)] Marcq M, et al. **Rev Inst Hyg Mines (Hasselt)** 1981;36(1):5–31 (Eng. Abstr.) **(Dut, Fre)**

[Exercise-induced anaphylaxis-like syndrome] Haahtela T, et al. **Duodecim** 1981;97(19):1626–8 **(Fin)**

[Diabetes and exercise] Koivisto V. **Duodecim** 1981; 97(12):848–56 **(Fin)**

[The blood in physical training] Remes K. **Duodecim** 1981; 97(7):474–81 **(Fin)**

[Sex hormones, physical work and glucose and lipid metabolism (author's transl)] Jussiant P, et al. **Ann Endocrinol (Paris)** 1981 Jul-Sep;42(3):286–7 (Eng. Abstr.) **(Fre)**

[Data from a study of variations of arterial pressure during exercise in boys aged 11 to 16] Dechelette E, et al. **Arch Mal Coeur** 1981 Jun;74 Spec No:27–35 (Eng. Abstr.) **(Fre)**

[Changes in heart rate and blood pressure in a series of normotensive subjects before and after beta-blocker treatment (double-blind) during physical, dynamic, static and psychosensorial stress] Mallion JM, et al. **Arch Mal Coeur** 1982 Jun;75 Spec No:115–20 (Eng. Abstr.) **(Fre)**

[Intense physical training of children and adolescents] Delmas MA. **Bull Acad Natl Med (Paris)** 1981 Jan; 165(1):121–6 **(Fre)**

[Changes in plasma volume ir submaximal exertion of short duration] Fossion A, et al. **C R Soc Biol (Paris)** 1982; 176(1):95–8 (Eng. Abstr.) **(Fre)**

[Variations of plasma renin activity during physical exercise in man: effect of various types of mental activity] Nguyen NU, et al. **C R Soc Biol (Paris)** 1981;175(6):846–50 (Eng. Abstr.) **(Fre)**

[Effect of exercise on serum lipoproteins in 270 healthy men (author's transl)] Ollivier JP, et al. **Diabete Metab** 1981 Sep;7(3):195–8 (Eng. Abstr.) **(Fre)**

[Study of the valuations of serum muscular enzymes and myoglobin after maximal exercise test and during the next 24 hours (author's transl)] Besson C, et al. **Eur J Applied Physiol** 1981;47(1):47–56 (Eng. Abstr.) **(Fre)**

[Study of variations in the regional blood volume in the limbs under effort or thermal stress in arterial conditions (author's transl)] Ancri D, et al. **J Mal Vasc** 1981;6(1):61–5 (Eng. Abstr.) **(Fre)**

[Plasma renin activity (PRA) and aldosterone (PA) during submaximal exercise. Effect of training (author's transl)] Gharib C, et al. **J Physiol (Paris)** 1981 Mar;77(8):911–4 (Eng. Abstr.) **(Fre)**

[Left ventricular performance in chronic hemodialysis patients studied during intense exercise and during a dextran infusion test (author's transl)] Dongradi G, et al. **Nephrologie** 1981;2(2):73–6 (Eng. Abstr.) **(Fre)**

[Exercise-induced malignant hyperthermia in a patient with familial ichthyosis vulgaris. Muscular carnitine deficiency as contributing factor (author's transl)] Haegy JM, et al. **Nouv Presse Med** 1982 Jan 16;11(2):115–7 (Eng. Abstr.) **(Fre)**

[Blood pressure measurement at rest and activity blood pressure load (author's transl)] Mallion JM, et al. **Nouv Presse Med** 1981 Oct 3;10(35):2877–9 (Eng. Abstr.) **(Fre)**

[Physiopathology of superficial venous circulation in athletes] Venerando A, et al. **Phlebologie** 1981 Apr-Jun;34(2):289–98 (Eng. Abstr.) **(Fre)**

[Gas exchanges on effort in diffuse pulmonary emphysema (author's transl)] Lampert-Benignus E, et al. **Poumon Coeur** 1981;37(3):187–93 (Eng. Abstr.) **(Fre)**

[Change in gas exchange in subjects suffering from chronic bronchitis and emphysema, during acute attacks of the disease, exercise and sleep] Flenley DC, et al. **Rev Fr Mal Respir** 1980;8(6):537–46 **(Fre)**

[Exercise and postexercise ketosis in normal and diabetic men (author's transl)] Balasse EO, et al. **Rev Med Brux** 1981 Apr;2(4):393–7 (Eng. Abstr.) **(Fre)**

[Effect of dynamic exercise on left ventricular hemodynamics in obstructive cardiomyopathy] Grbic M, et al. **Schweiz Med Wochenschr** 1980 Nov 8;110(45):1692–6 (Eng. Abstr.) **(Fre)**

[Profile of blood pressure in exertion] Lagrue G, et al. **Sem Hop Paris** 1981 Oct 18–25;57(39–40):1593–5 **(Fre)**

[Myocardial scintigraphy under stress in the detection of coronary insufficiency] Vernant P, et al. **Sem Hop Paris** 1981 Oct 18–25;57(39–40):1601–3 **(Fre)**

[Effect of muscular exercise and metabolic control on cortisol, growth hormone, plasma-epinephrine and plasma-norepinephrine in type-I diabetics [author's transl)] Mühlhauser I, et al. **Acta Med Austriaca** 1981;8(2):48–53 (Eng. Abstr.) **(Ger)**

[Effects of muscular exercise on non-glucoregulatory hormones (T3, rT3, T4, TSH, prolactin, FSH, LH) in type I diabetics (author's transl)] Schernthaner G, et al. **Acta Med Austriaca** 1981;8(2):54–60 (Eng. Abstr.) **(Ger)**

[The age-related decrease in performance capacity and how it is influenced in animal experiments (author's transl)] Hofecker G, et al. **Aktuel Gerontol** 1981 Nov;11(6):188–94 (Eng. Abstr.) **(Ger)**

[Effect of bunitrolol on heart rate, metabolic parameters during physical exercise, and performance] Keul J, et al. **Arzneimittelforsch** 1981;31(11):1948–53 (Eng. Abstr.) **(Ger)**

[Methodical experiences for registration of parameters under ergometric loads of children and young people (author's transl)] Brauer BM. **Arztl Jugendkd** 1981;72(5):289–91 (Eng. Abstr.) **(Ger)**

[Myocardial scintigraphy with Tc-99m-diphosphonate in patients with coronary heart disease: a comparison with ECG and hemodynamic examinations at rest and during exertion] Neumann G, et al. **Cor Vasa** 1981;23(6):467–72 (Eng. Abstr.) **(Ger)**

[Influence of an ergometer load after intravenous lipofundin infusion on the behaviour of blood glucose, lactate, amino acid nitrogen and the free fatty acids (author's transl)] Cholewa M, et al. **Dtsch Z Verdau Stoffwechselkr** 1982; 42(2-3):99–107 (Eng. Abstr.) **(Ger)**

[The behaviour of basal gastric secretion during exercise and restitution in chronic gastric and duodenal ulcer patients (author's transl)] Zach E, et al. **Dtsch Z Verdau Stoffwechselkr** 1982;42(2-3):53–63 (Eng. Abstr.) **(Ger)**

[The influence of graduated treadmill exercise on plasma catecholamines, aerobic and anaerobic capacity in boys and adults] Lehmann M, et al. **Eur J Applied Physiol** 1981; 47(3):301–11 (Eng. Abstr.) **(Ger)**

[The aerobic and anaerobic capacity of adolescents and catecholamine excretion during prolonged submaximal exercise (author's transl)] Lehmann M, et al. **Eur J Applied Physiol** 1982;48(1):135–45 (Eng. Abstr.) **(Ger)**

[Assessment of cardiopulmonary functional capacity with ergospirometric parameters at a capacity of 1 w/kg body weight] Schwalb H, et al. **Fortschr Med** 1981 Aug 13; 99(30):1196–201 (Eng. Abstr.) **(Ger)**

[Anatomical and functional changes in the heart caused by physical stress shown in M-mode echocardiography] Simon G. **Fortschr Med** 1982 May 6;100(17):810–4 (Eng. Abstr.) **(Ger)**

[Varying response to nifedipine during treatment of stable exertional angina pectoris: results of a double-blind, randomized, cross-over, placebo-controlled study (author's transl)] Brügmann U, et al. **Herz** 1982 Apr; 7(2):117–25 (Eng. Abstr.) **(Ger)**

[The role of ergometric studies in arterial hypertension (author's transl)] Franz IW, et al. **Herz** 1982 Jun;7(3):156–67 (Eng. Abstr.) **(Ger)**

[Ventricular and myocardial function of the pressure-overloaded left ventricle during exercise (author's transl)] Jehle J, et al. **Herz** 1981 Oct;6(5):300–9 (Eng. Abstr.) **(Ger)**

[Studies on differences in the preventive effects of habitual physical activity in occupation versus leisure time. II. Effects of physical activity in occupation versus leisure time on physical working capacity (author's transl)] Ilmarinen J, et al. **Int Arch Occup Environ Health** 1981; 49(1):1–12 (Eng. Abstr.) **(Ger)**

[A 23-year-old Lebanese (Egypt sojourn) with stress dyspnea, syncope and liver parenchyma damage] Kluge F, et al. **Internist (Berlin)** 1981 Nov;22(11):705–9 **(Ger)**

[Stress dyspnea, hypoxemia and polycythemia after penetrating lung injury 35 years ago] Werdan K, et al. **Internist (Berlin)** 1982 Apr;23(4):233–6 **(Ger)**

[Catecholamines, GH, cortisol, glucagon, insulin, and sex hormones in exercise and beta 1-blockade (author's transl)] Kindermann W, et al. **Klin Wochenschr** 1982 May 17; 60(10):505–12 (Eng. Abstr.) **(Ger)**

[Plasma catecholamines, metabolic substrates, aerobic and anaerobic capacity during exercise in supine and sitting position (author's transl)] Lehmann M, et al. **Klin Wochenschr** 1981 Nov 16;59(22):1237–42 (Eng. Abstr.)

(Ger)
[What is the exercise capacity of patients with heart infarction after surgery of heart wall aneurysms?] Carstens V, et al. **Med Klin [Prax]** 1982 Feb 26;77(5):39–46 (Eng. Abstr.) (Ger)
[Ergometry in the diagnosis of juvenile borderline hypertension] Schulte W, et al. **Med Welt** 1982 Jun 25; 33(25):941–2 (Ger)
[Practical sports medicine. Part 2. Stress examination in general practice] Pabst H. **MMW** 1981 Sep 11;123(37):51–4 (Ger)
[Cardiac ischemia on exercise. Effect of nifedipine and acebutolol singly and in combination (author's transl)] Strasser R, et al. **MMW** 1981 Aug 28;123(35):1303–6 (Eng. Abstr.) (Ger)
[Concentrative movement therapy (author's transl)] Becker H. **Nervenarzt** 1982 Jan;53(1):7–13 (Ger)
[Respiratory muscle fatigue and ergometric performance in patients with bronchopulmonary diseases (author's transl)] Busch A, et al. **Prax Klin Pneumol** 1981 Oct;35(10):451–8 (Eng. Abstr.) (Ger)
[Ergometric studies in cost miners and foundry workers for differentiating the causes of dyspnea on exertion (author's transl)] Hieber AR, et al. **Prax Klin Pneumol** 1982 Jan; 36(1):7–13 (Eng. Abstr.) (Ger)
[Efficacy of oxygen therapy with the oxygen concentrator during physical exercise (author's transl)] Schütz I, et al. **Prax Klin Pneumol** 1981 Nov;35(11):492–9 (Eng. Abstr.) (Ger)
[The response of the oxygen partial pressures to the administration of oxygen before, during and after exercise in patients with respiratory insufficiency (author's transl)] Schwarz W, et al. **Prax Klin Pneumol** 1981 Nov; 35(11):511–4 (Eng. Abstr.) (Ger)
[Investigation of iron metabolism (59Fe) by whole-body radiometry with healthy men under physical stress (author's transl)] Kaplan MA, et al. **Radiol Diagn (Berl)** 1981; 22(6):832–7 (Eng. Abstr.) (Ger)
[Measurement of performance after cigarette smoking] Biener K, et al. **Schweiz Z Sportmed** 1980;28(3):77–82 (Ger)
[The stability of blood glucose under physical stress in relation to carbohydrate reducing diet, alcohol and training] Schürch PM, et al. **Schweiz Z Sportmed** 1981 Sep; 29(3):77–80 (Eng. Abstr.) (Ger)
[Preparation for delivery according to lamaze-are there subjective or objective influences on delivery? (author's transl)] Landolt A, et al. **Ther Umsch** 1981 Oct; 38(10):963–70 (Eng. Abstr.) (Ger)
[Sense and nonsense in antenatal exercise procedures and the subpartal behavior (Read, Lamaze, Leboyer)] Prill HJ. **Ther Umsch** 1981 Oct;38(10):956–62 (Eng. Abstr.) (Ger)
[Effect of graduated ergometer stress on the function of human thrombocytes. Comparative examinations in control persons and patients with arterial occlusive disease in state II after Fontaine] Everts B, et al. **Vasa** 1981;10(4):299–303 (Eng. Abstr.) (Ger)
[Ergometric dose-effect study of bunitrolol (Stresson) in patients with coronary heart disease (author's transl)] Böhm H, et al. **Wien Med Wochenschr** 1981 Sep 30;131(18):457–61 (Eng. Abstr.) (Ger)
[Influence of sport on the cardiovascular system in pregnancy (author's transl)] Gastl G, et al. **Wien Med Wochenschr** 1981 Aug 31;131(15–16):383–5 (Eng. Abstr.) (Ger)
[Checking physical performance in general and sports practice] Brauer BM. **Z Arztl Fortbild (Jena)** 1981 Dec 15;75(24):1184–7 (Ger)
[The measurement of airway resistance during exercise by body plethysmography before and after application of asthma-protective drugs (author's transl)] Eisenberg BM, et al. **Z Erkr Atmungsorgane** 1981;157(3):318–22 (Eng. Abstr.) (Ger)
[Stress in industrialized animal production - illustrated with studies of milking-carrousels and milk-production systems] Jürgens WW, et al. **Z Gesamte Hyg** 1981 Nov;27(11):818–24 (Eng. Abstr.) (Ger)
[Work hygiene and ergonomic problems in poultry breeding] Reinhardt K, et al. **Z Gesamte Hyg** 1981 Oct;27(10):739–41 (Eng. Abstr.) (Ger)
[Effect of a combined diet-training program on the insulin sensitivity of obese persons with normal or disordered glucose tolerance] Ratzmann KP, et al. **Z Gesamte Inn Med** 1982 May 15;37(10):304–8 (Eng. Abstr.) (Ger)
[Evaluation of disordered peripheral hemodynamics after ergometric load] Schöneich C, et al. **Z Gesamte Inn Med** 1981 Oct 1;36(19):724–7 (Eng. Abstr.) (Ger)
[Echocardiographic values of healthy children in relation to ergometric performance (author's transl)] Bachl N, et al. **Z Kardiol** 1980 Dec;69(12):945–51 (Eng. Abstr.) (Ger)
[Chronic administration of beta blocking agents: left ventricular hemodynamics in myocardial infarctions during exercise (author's transl)] Blümchen G, et al. **Z Kardiol** 1981 Sep;70(9):678–86 (Eng. Abstr.) (Ger)
[Correlation between isovolumic and auxotonic indexes of left ventricular contractility at rest and during exercise (author's transl)] Bussmann WD, et al. **Z Kardiol** 1981 Dec; 70(12):884–8 (Eng. Abstr.) (Ger)
[The effect of beta-receptor antagonists and diuretics and their combination on blood pressure and pressure-rate product during ergometric work in hypertensive patients (author's transl)] Franz IW. **Z Kardiol** 1982 Jan; 71(2):129–37 (Eng. Abstr.) (Ger)
[Right and left ventricular function during exercise-induced angina pectoris in patients with coronary artery disease (author's transl)] Karsch KR, et al. **Z Kardiol** 1981 Dec; 70(12):902–7 (Eng. Abstr.) (Ger)
[Bicycle ergometric examinations and pulmonary function analyses after patch aortoplasty of coarctation of the aorta in children (author's transl)] Madu B, et al. **Z Kardiol** 1982 Jan;71(1):44–9 (Eng. Abstr.) (Ger)
[Acute and chronic effects of dihydralazine in severe congestive heart failure at rest and during exercise (author's transl)] Reifart N, et al. **Z Kardiol** 1982 Jan;71(2):75–81 (Eng. Abstr.) (Ger)
[Development and trial of a monitoring vehicle for data collection in work physiology field studies] Ballé W, et al. **Zentralbl Arbeitsmed Arbeitsschutz Prophyl Ergonomie** 1982 Jun;32(6):214–8 (Eng. Abstr.) (Ger)
[Over-and underload of workers in modern work places] Rohmert W. **Zentralbl Arbeitsmed Arbeitsschutz Prophyl Ergonomie** 1981 Jun;31(6):248–55 (Ger)
[Changes in the foot in aging under different conditions of body stress and in relation to body weight] Brückner L, et al. **ZFA (Dresden)** 1982 May-Jun;37(3):167–70 (Ger)
[Spinal changes in relation to age, body weight and occupational stress] Brückner L, et al. **ZFA (Dresden)** 1982 May-Jun;37(3):157–60 (Ger)
[The development of the back and muscular capacity] Schellnack K, et al. **ZFA (Dresden)** 1982 May-Jun; 37(3):171–5 (Ger)
[Measurements and combat of stress effects (author's transl)] von Ardenne M. **ZFA (Dresden)** 1981;36(6):473–87 (Eng. Abstr.) (Ger)
[Determination of maximal anaerobic potential] Data PG, et al. **Boll Soc Ital Biol Sper** 1981 Mar 30;57(6):692–7 (Eng. Abstr.) (Ita)
[Kinetics of adjustment of cardiac output to muscular exertion] Gussoni M, et al. **Boll Soc Ital Biol Sper** 1982 Mar 15;58(5):191–8 (Eng. Abstr.) (Ita)
[Effect of isometric force (handgrip) on R wave amplitude] Malvezzi A, et al. **Boll Soc Ital Biol Sper** 1981 May 15; 57(9):937–43 (Eng. Abstr.) (Ita)
[Dynamic exercise with the bicycle ergometer in normal subjects and patients with essential hypertension after induction of metabolic acidosis and alkalosis] Conte G, et al. **Boll Soc Ital Cardiol** 1980;25(7):863–6 (Eng. Abstr.) (Ita)
[Adaptation of the cardiovascular system to sports activity in volleyball players] Giusti C, et al. **Boll Soc Ital Cardiol** 1981;26(3):247–54 (Ita)
[Behavior of various hormone levels following exertion] Li Vecchi M, et al. **Boll Soc Ital Cardiol** 1981;26(3):205–8 (Eng. Abstr.) (Ita)
[The syndrome of hypertension of effort in the rehabilitation of patients with recent myocardial infarct. Problems of drug therapy] Opasich C, et al. **Boll Soc Ital Cardiol** 1980; 25(5):459–66 (Eng. Abstr.) (Ita)
[Different aspects of the reflex cardiocirculatory response to activation of the muscle receptors during rhythmic and tetanic exercise] Peruzzi G, et al. **Boll Soc Ital Cardiol** 1980; 25(8):965–72 (Ita)
[Analysis of the individual curves of the systolic intervals during uninterrupted exercise in normal subjects and hypertensive patients] Ravizza P, et al. **Boll Soc Ital Cardiol** 1980;25(11):1249–53 (Ita)
[Cardiovascular response to isometric exercise (handgrip) in diabetics] Turiel M, et al. **Boll Soc Ital Cardiol** 1981; 26(2):159–64 (Ita)
[The Brisighella study. I. Non-metabolic risk factors] Descovich GC, et al. **G Ital Cardiol** 1982;11(11):1582–90 (17 ref.) (Eng. Abstr.) (Ita)
[Regional hemorheological effects induced by muscular exertion in peripheral obstructive arteriopathy. II.] Perego MA, et al. **Minerva Cardioangiol** 1981 Jul-Aug; 29(7–8):375–82 (Eng. Abstr.) (Ita)
[Hypotension caused by effort] Bondi S, et al. **Minerva Med** 1982 Jan 14;73(1–2):67–70 (Eng. Abstr.) (Ita)
[Comparison of exercise-induced bronchospasm (EIB) with bicycle ergometer and swimming (author's transl)] Nishima S, et al. **Arerugi** 1981 Dec;30(12):1157–62 (Eng. Abstr.) (Jpn)
[Comparison of the severity of asthmatic symptoms with that of exercise-induced bronchospasm (EIB) in asthmatic children. 1. An investigation using a bicycle ergometer (author's transl)] Nishima S, et al. **Arerugi** 1981 Dec; 30(12):1113–22 (Eng. Abstr.) (Jpn)
[Comparison of the severity of asthmatic symptoms with that of exercise-induced bronchospasm (EIB) in asthmatic children. 2. An investigation using a treadmill (author's transl)] Nishima S, et al. **Arerugi** 1982 Jan;31(1):1–8 (Eng. Abstr.) (Jpn)
[A study of exercise tolerance tests for asthmatic children (author's transl)] Uchida S, et al. **Arerugi** 1981 Jun; 30(6):289–94 (Eng. Abstr.) (Jpn)
[Changes of locomotor activities, lipid peroxide levels and their related enzyme activities in rat loaded with swimming exercise (author's transl)] Kishihara C. **Hokkaido Igaku Zasshi** 1980 Nov;55(6):575–85 (Eng. Abstr.) (Jpn)
[Exercise echocardiography: relationship between interventricular septal wall dynamics and electrocardiographic changes during ischemia (author's transl)] Naito H, et al. **J Cardiogr** 1981 Dec;11(4):1205–14 (Eng. Abstr.) (Jpn)
[Detection of exercise induced left ventricular asynergy by two-dimensional echocardiography (author's transl)] Takahashi H, et al. **J Cardiogr** 1981 Dec;11(4):1193–203 (Eng. Abstr.) (Jpn)
[Quantitative evaluation of regional wall motion in stress gated blood pool study (author's transl)] Tamaki N, et al. **Kaku Igaku** 1982 Mar;19(2):209–16 (Eng. Abstr.) (Jpn)
[Clinical exercise test (author's transl)] Kurihara N, et al. **Kokyu To Junkan** 1982 May;30(5):541–4 (Jpn)
[Handgrip-exercise echocardiography for the diagnosis of ischemic heart disease (author's transl)] Mitamura H. **Kokyu To Junkan** 1981 Oct;29(10):1099–107 (Eng. Abstr.) (Jpn)
[Studies on physical stress. Part 1. Effect of physical exercise on the activities of various enzymes in human plasma (author's transl)] Ohno H, et al. **Nippon Eiseigaku Zasshi** 1981 Dec;36(5):800–10 (Eng. Abstr.) (Jpn)
[Long-term pacing in conscious dogs with experimental heart block: hemodynamic changes at rest and during exercise (author's transl)] Murata S. **Nippon Geka Hokan** 1981 Jan 1;50(1):171–89 (Eng. Abstr.) (Jpn)
[Comparison of angina pectoris induced by upright and recumbent exercise- using systolic time intervals and the indices for myocardial oxygen consumption (author's transl)] Tajima N. **Nippon Ika Daigaku Zasshi** 1981 Apr; 48(2):178–97 (Eng. Abstr.) (Jpn)
[A case of acute exertional rhabdomyolysis associated with acute renal failure (author's transl)] Kitoh C, et al. **Nippon Jinzo Gakkai Shi** 1981 Sep;23(9):1217–23 (Eng. Abstr.) (Jpn)
[Assessment of myocardial blood flow after aortocoronary bypass surgery by exercise thallium-201 perfusion scintigraphy (author's transl)] Fujiwara T, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1982 Mar;30(3):319–24 (Eng. Abstr.) (Jpn)
[Studies on the exercise limiting factor in patients with respiratory diseases--with special reference to change of pulmonary function and lactate concentration during progressive exercise test (author's transl)] Okimoto N. **Nippon Kyobu Shikkan Gakkai Zasshi** 1982 Jan;20(1):59–68 (Eng. Abstr.) (Jpn)
[Cardiac function during exercise in effort angina Part 2. Comparison of the effects of nitroglycerin and digitalis (author's transl)] Itoh K. **Nippon Naika Gakkai Zasshi** 1982 Mar 10;71(3):286–94 (Jpn)
[Cardiac function during exercise in effort angina. Part 1. A comparative study of dynamic exercise and static exercise (author's transl)] Itoh K. **Nippon Naika Gakkai Zasshi** 1981 Oct 10;70(10):1388–400 (Jpn)
[Studies of ischemic heart disease by body surface isopotential distribution map--T-wave changes by exercise loading] Kubota K, et al. **Nippon Rinsho** 1982;40(3):722–5 (Jpn)
[Detection of exercise-induced abnormalities of cardiac wall motion in coronary heart disease by modified cardiokymography (author's transl)] Aoki T. **Nippon Ronen Igakkai Zasshi** 1982 Mar;19(2):153–67 (Eng. Abstr.) (Jpn)
[Quantitative evaluation of serial 201Tl Myocardial scintigrams after stress testing in ischemic heart disease (author's transl)] Watanabe Y, et al. **Radioisotopes** 1981 May;30(5):268–74 (Eng. Abstr.) (Jpn)
[Studies of the effect of physical exercise on the mechanocardiogram of myocardial infarction (author's transl)] Miyauchi M, et al. **Rinsho Byori** 1981;29(7):741–5 (Jpn)
[Myocardial ischemia and left ventricular performance during exercise stress (author's transl)] Kobayashi T, et al. **Rinsho Hoshasen** 1982 May;27(5):507–12 (Eng. Abstr.) (Jpn)
[Muscle contracture induced by ischemic exercise in McArdle's disease (author's transl)] Uno H. **Rinsho Shinkeigaku** 1981 Nov;21(11):927–31 (Eng. Abstr.) (Jpn)
[A new apparatus for the experimental studies of solvent vapor exposure and physical exercise (author's transl)] Aikawa H, et al. **Sangyo Igaku** 1981 Nov;23(6):636–7 (Jpn)
[The relationship between perceived exertion of daily activities and aging of physical function (author's transl)] Nishimura J. **Shinrigaku Kenkyu** 1981 Oct;52(4):219–25 (Eng. Abstr.) (Jpn)
[Variations in body weight as a function of age and smoking in physical workers] Kocieniewska D. **Med Pr** 1981; 32(5):343–8 (Eng. Abstr.) (Pol)
[Changes in blood biochemical parameters during physical exercise and recovery after prior diazepam administration] Markiewicz K, et al. **Med Pr** 1980;31(6):435–41 (Eng. Abstr.) (Pol)
[Biochemical and morphological parameters of rats subjected to intensive physical effort] Wojciechowska F, et al. **Med Pr** 1981;32(6):385–92 (Eng. Abstr.) (Pol)
[Effect of physical exertion on seizure discharges in the EEG of epilepsy patients] Horyd W, et al. **Neurol Neurochir Pol** 1981 Sep-Dec;15(5–6):545–52 (Eng. Abstr.) (Pol)
[The significance of physical activity in the health

maintenance of pre-school children] Kopczyńska-Sikorska J. **Pediatr Pol** 1981 May;56(5):561–4 **(Pol)**

[Metabolic adaptation to physical exertion in patients with chronic bronchitis] Sztobryn M, et al. **Pneumonol Pol** 1981; 49(10):683–9 (Eng. Abstr.) **(Pol)**

[Correlation between the body's level of carbohydrates and the neurohormonal response to exercise in man] Nazar K. **Pol Tyg Lek** 1981 May 18;36(20):735–7 **(Pol)**

[Changes of effort capacity in women professionally working in conditions of varying energetic expenses (author's transl)] Drewczyński A. **Przegl Lek** 1981;38(9):685–8 (Eng. Abstr.) **(Pol)**

[The role of physical capacity as an index of the level of basic physiological parameters during physical work (author's transl)] Makowiec-Dąbrowska T. **Przegl Lek** 1981;38(9):689–91 (Eng. Abstr.) **(Pol)**

[Behavior of the blood pressure curve during the ergometric stress test, in treated and non-treated hypertensive patients] Carrasco RM, et al. **Arq Bras Cardiol** 1981 Mar;36 Suppl 1:24–32 (Eng. Abstr.) **(Por)**

[Comparative cycloergometric study of the conventional method and a manual technic, in different occupational groups] Nobre F, et al. **Arq Bras Cardiol** 1981 May; 36(5):329–32 (Eng. Abstr.) **(Por)**

[Study of adaptability to exertion in a sample of healthy and sick school children] Petroiu A, et al. **Rev Pediatr Obstet Ginecol [Pediatr]** 1981 Oct–Dec; 30(4):321–6 (Eng. Abstr.) **(Rum)**

[Electron microscopic study of signs of skeletal muscle fiber hyperplasia in athletes] Kondalenko VF, et al. **Arkh Anat Gistol Embriol** 1981 Jun;80(6):66–70 (Eng. Abstr.) **(Rus)**

[Histo- and biochemical characteristics of rat skeletal muscle after prolonged static loading] Rezviakov NP, et al. **Arkh Anat Gistol Embriol** 1981 Jun;80(6):70–5 (Eng. Abstr.) **(Rus)**

[Morphofunctional equivalents of the pituitary-adrenal system in disruptions of the integrity of the cardiorespiratory systems] Sorokin AP, et al. **Arkh Anat Gistol Embriol** 1981 May;80(5):73–8 (Eng. Abstr.) **(Rus)**

[Changes in the structure and cellular makeup of inguinal lymph nodes of white rats after dynamic and static loading] Vikhruk TI. **Arkh Anat Gistol Embriol** 1981 May; 80(5):23–30 (Eng. Abstr.) **(Rus)**

[Oxidative phosphorylation during functional changes] Allik TA. **Biull Eksp Biol Med** 1982 Feb;93(2):28–30 (Eng. Abstr.) **(Rus)**

[Functional status of certain subcortical brain structures during adaptation and deadaptation to physical loading] Boev VM. **Biull Eksp Biol Med** 1981 Sep;92(9):271–3 (Eng. Abstr.) **(Rus)**

[Dynamics of the oxygen regime of the vascular wall during functional hyperemia of skeletal muscles and arterial hypoxia] Bershtein SA, et al. **Fiziol Zh** 1981 Sep–Oct; 27(5):658–62 (Eng. Abstr.) **(Rus)**

[Features of exertional hypoxia] Filippov MM. **Fiziol Zh** 1981 Nov–Dec;27(6):753–7 (Eng. Abstr.) **(Rus)**

[Effect of hypoxic training on rheoencephalographic indices of sportsmen] Krasnikov NP, et al. **Fiziol Zh** 1981 Sep–Oct; 27(5):709–12 **(Rus)**

[Function of the central nervous and motor systems while employing different schedules of rest and edurance exercises] Levakovskii PL, et al. **Fiziol Zh** 1981 Jul–Aug; 27(4):560–3 **(Rus)**

[Characteristics of the hemodynamic changes during physical exertion at high altitudes] Stepanenko LG. **Fiziol Zh** 1982 May;28(3):361–3 **(Rus)**

[Role of the pentosephosphate pathway of carbohydrate metabolism in muscle adaptation to increased activity] Koliadko NG. **Fiziol Zh SSSR** 1981 Jul;67(7):1064–7 (Eng. Abstr.) **(Rus)**

[Importance of the non-oxidative portion of the pentosephosphate for adaptation to increased muscular activity] Koliadko NG. **Fiziol Zh SSSR** 1981 Nov; 67(11):1717–21 **(Rus)**

[Muscle exertion and reactions of digestive organs] Poltyrev SS, et al. **Fiziol Zh SSSR** 1982 Apr;68(4):455–62 **(Rus)**

[Effect of exertion on trace effects of acclimatization to cold] Sobolev VI, et al. **Fiziol Zh SSSR** 1981 Nov;67(11):1710–6 **(Rus)**

[Bioenergetic characteristics of different kinds of physical loads] Usik SV, et al. **Fiziol Zh SSSR** 1981 Sep;67(9):1370–4 (Eng. Abstr.) **(Rus)**

[Efficient regimen for the intellectual and physical activities of students] Popov SN, et al. **Gig Sanit** 1982 May;(5):26–9 (Eng. Abstr.) **(Rus)**

[Effect of working movement characteristics on hand muscle endurance for static exertion] Kokhanova NA, et al. **Gig Tr Prof Zabol** 1982 May;(5):15–8 (Eng. Abstr.) **(Rus)**

[Functional state of the human spinal cord segmental apparatus during local work after a brief rest] Kuchma VR. **Gig Tr Prof Zabol** 1981;(12):35–9 (Eng. Abstr.) **(Rus)**

[Effect of physical load adaptation on the age-related dynamics of the contractile function and weight of the human left ventricle] Meerson FZ, et al. **Kardiologiia** 1982 Jan;22(1):85–90 (Eng. Abstr.) **(Rus)**

[Hemodynamic changes during exertion in patients with hypertension treated with propranolol] Minovich AI, et al. **Kardiologiia** 1982 May;22(5):108–9 **(Rus)**

[Sustak pharmacodynamics in effort stenocardia] Nazarenko VA, et al. **Kardiologiia** 1982;22(7):57–62 (Eng. Abstr.) **(Rus)**

[Mathematical modeling of human cardiovascular reactions under postural test and physical loading conditions] Arsent'eva IV. **Kosm Biol Aviakosm Med** 1981;15(3):31–4 (Eng. Abstr.) **(Rus)**

[Changes in 'Hageman factor system' indices during human adaptation to intensive physical loading] Chernukh AM, et al. **Patol Fiziol Eksp Ter** 1981 Sep–Oct;(5):25–8 (Eng. Abstr.) **(Rus)**

[Types of reaction of the blood kallikrein-kinin system in the presence of various functional and pathologic changes in the body] Gomazkov OA, et al. **Patol Fiziol Eksp Ter** 1982 Jan–Feb;(1):70–6 **(Rus)**

[Effect of graded muscular exercise on the morphofunctional characteristics of the adrenal glands of dogs in experimental hypocorticism] Kochetkov AG. **Probl Endokrinol (Mosk)** 1981 Jul–Aug;27(4):53–8 (Eng. Abstr.) **(Rus)**

[Protective effect of a gaseous hypoxic mixture against the combined action of radiation and physical stress] Britun AI, et al. **Radiobiologiia** 1982 Mar–Apr;22(2):250–2 **(Rus)**

[General adaptability of the progeny of irradiated animals. 3- Resistance of mice to radiation, hypoxia, effect of endotoxin, physical exertion] Vorobtsova IE, et al. **Radiobiologiia** 1982 Mar–Apr;22(2):261–4 (Eng. Abstr.) **(Rus)**

[Early diagnosis of the overexertion of the cardiovascular system in sportsmen] Kukes VG, et al. **Sov Med** 1982; (4):18–21 (Eng. Abstr.) **(Rus)**

[Hemodynamics and external respiration in bronchial asthma patients at rest and under physical load] Orlov LL, et al. **Sov Med** 1982;(1):19–24 (Eng. Abstr.) **(Rus)**

[Significance of the pulmonary gas exchange reaction to physical loading in evaluating the effectiveness of mitral commissurotomy] Sherdukalova LF, et al. **Sov Med** 1982; (1):15–9 (Eng. Abstr.) **(Rus)**

[Physical exercise in patients with diabetes mellitus (literature review and author's data)] Efimov AS, et al. **Ter Arkh** 1981; 53(7):139–42 (Eng. Abstr.) **(Rus)**

[Effect of exercise on the level of cyclic adenosine monophosphate in patients with different variants of neurocirculatory dystonia] Makoeva LD, et al. **Ter Arkh** 1981;53(12):34–7 (Eng. Abstr.) **(Rus)**

[Iodine metabolism in rat tissues under physical loads] Chernov VD, et al. **Ukr Biokhim Zh** 1981 Nov–Dec; 53(6):83–6 (Eng. Abstr.) **(Rus)**

[Activity of enzymes of the oxidative part of the pentose phosphate pathway in skeletal muscles during muscular activity of different types and during the recovery period] Koliadko NG. **Ukr Biokhim Zh** 1981 Sep–Oct;53(5):106–10 (Eng. Abstr.) **(Rus)**

[Peculiarities of blood serum albumin transport function during physical exercise] Tolkacheva NV, et al. **Ukr Biokhim Zh** 1981 Jul–Aug;53(4):26–9 (Eng. Abstr.) **(Rus)**

[Elasticity of the lungs under physical loading in congenital heart defect patients before and after surgery] Gritsenko VI, et al. **Vestn Khir** 1982 Mar;128(3):53–9 (Eng. Abstr.) **(Rus)**

[Importance of static efforts of muscle antagonists in the therapeutic physical exercise of polyradiculoneuritis patients] Melamed IT, et al. **Vopr Kurortol Fizioter Lech Fiz Kult** 1981 Jul–Aug;(4):60–2 **(Rus)**

[State of the brain nerve cell chromatin and nucleic acid content of the muscles of rats exposed at different sites to decimeter waves under physical loading] Sokolova ZA. **Vopr Kurortol Fizioter Lech Fiz Kult** 1981 Jul–Aug;(4):35–8 (Eng. Abstr.) **(Rus)**

[Nonesterified fatty acid metabolism in humans during physical loading] Anikeeva SP, et al. **Vopr Med Khim** 1981; 27(4):435–41 (72 ref.) **(Rus)**

[Adaptation of skeletal muscle and myocardium to increased motor activity in hypo- and athyroid rats] Seene TP, et al. **Vopr Med Khim** 1982 Mar–Apr;28(2):20–4 (Eng. Abstr.) **(Rus)**

[Adaptation of the heart to physical load in patients with chronic glomerulonephritis in the non-hypertensive stages] Todorenko AD, et al. **Vrach Delo** 1981 Oct;(10):42–6 (Eng. Abstr.) **(Rus)**

[Functional state of the hippocampo-reticular complex during submaximal physical loading and fatigue] Boev VM, et al. **Zh Vyssh Nerv Deiat** 1981 Sep–Oct;31(5):1029–37 (Eng. Abstr.) **(Rus)**

[Effect of intense muscular activity on the state of brain structures] Boev VM. **Zh Vyssh Nerv Deiat** 1981 Nov–Dec; 31(6):1279–85 (Eng. Abstr.) **(Rus)**

[The exercise test in the evaluation of the hypertension reaction] Topalov V, et al. **Med Pregl** 1981;34(7–8):311–5 (Eng. Abstr.) **(Scr)**

[Proteinuria after physical exertion and the effect of training on its appearance] Sovtić P, et al. **Vojnosanit Pregl** 1981 Jul–Aug;38(4):235–8 **(Scr)**

[Changes in the venous flow of the pulmonary circulation in dependence on altitude and loading in patients with bronchial asthma (author's transl)] Kolesár J, et al. **Bratisl Lek Listy** 1981 Apr;75(4):446–53 (Eng. Abstr.) **(Slo)**

[Dopamine-beta-hydroxylase activity, aldosterone level, and plasma renin activity in patients with essential hypertension during exposure to physical load (author's transl)] Ondrejička M, et al. **Bratisl Lek Listy** 1982 Mar; 77(3):270–80 (Eng. Abstr.) **(Slo)**

[Cardiac output alterations in asthmatics. Spiroergometric evaluation (author's transl)] Eisner J, et al. **Cas Lek Cesk** 1982 May 28;121(21):656–9 (Eng. Abstr.) **(Slo)**

[Functional capacity and working status after myocardial infarction] Sanz G, et al. **Rev Esp Cardiol** 1981;34(3):219–26 (Eng. Abstr.) **(Spa)**

[Evolution of the content of gluconeogenic metabolites in rat liver and kidney during exercise (author's transl)] Vargas A, et al. **Rev Esp Fisiol** 1981 Sep;37(3):277–84 (Eng. Abstr.) **(Spa)**

[Cardiac Rehabilitation (author's transl)] Román O. **Rev Med Chil** 1981 May;109(5):453–8 (Eng. Abstr.) **(Spa)**

[Aerobic effect of 3 types of athletic training] Vásquez de Palau AR, et al. **Rev Med Panama** 1982 May;7(2):125–36 (Eng. Abstr.) **(Spa)**

[The long-distance runner syndrome? Heavy muscular effort may cause enzyme changes similar to enzyme changes in heart infarction] Bark S, et al. **Lakartidningen** 1981 Aug 19;78(34):2866–8 **(Swe)**

DRUG EFFECTS

The effect of the beta-adrenoceptor antagonist pindolol on exercise performance. Dhatariya RC, et al. **Br J Clin Pharmacol** 1982 May;13(5):723–7

Carbon monoxide and exercise tolerance in chronic bronchitis and emphysema. Calverley PM, et al. **Br Med J [Clin Res]** 1981 Oct 3;283(6296):878–80

Effect of oral propranolol on the anerobic threshold and maximum exercise performance in normal man. Hughson RL, et al. **Can J Physiol Pharmacol** 1981 Jun;59(6):567–73

Work as a correlate of canine left ventricular oxygen consumption, and the problem of catecholamine oxygen wasting. Rooke GA, et al. **Circ Res** 1982 Feb;50(2):273–86

Attenuation of exercise conditioning by beta-adrenergic blockade. Sable DL, et al. **Circulation** 1982 Apr; 65(4):679–84

Effects of molsidomine on global and regional left ventricular function at rest and during exercise in patients with angina pectoris. Nechwatal W, et al. **Clin Cardiol** 1981 Sep–Oct; 4(5):248–53

Effect of coffee ingestion on the left ventricular systolic time intervals at rest, during physical effort and the recovery period. Markiewicz K, et al. **Cor Vasa** 1981;23(4):280–90

Effects of beta-adrenergic blockade on endurance and short-time performance in respect to individual muscle fiber composition. Kaiser P, et al. **Int J Sports Med** 1981 Feb;2(1):37–42

Effects of acute nitrogen dioxide exposure on swimming performance of mice. Suzuki AK, et al. **J Toxicol Environ Health** 1982 Jan;9(1):165–72

Effects of verapamil on exercise performance in chronic angina pectoris. Kuan P, et al. **Jpn Heart J** 1982 Jan; 23(1):97–103

Effects of acutely and chronically administered antidepressants on the brain regional 3-methoxy-4-hydroxyphenylethyleneglycol sulfate in the forced swimming rat. Miyauchi T, et al. **Life Sci** 1981 Nov 2;29(18):1921–8

Other effects of monoaminergic inhibition with 6-hydroxydopamine and of disulfiram on the response to exercise in rats. Derévenco P, et al. **Physiologie** 1981; 18(3):181–5

Electrocardiographic and metabolic investigations concerning the exhaustive exercise under conditions of adrenergic blocking in rats. Schneider F, et al. **Physiologie** 1982 Jan-Mar;19(1):31–3

[Control of hypertension and blood lactate during exercise. Comparison of central antihypertensive agents with the cardio-selective beta blockers metoprolol and atenolol] Hardin JM, et al. **Arch Mal Coeur** 1981 Jun;74 Spec No:117–24 (Eng. Abstr.) **(Fre)**

[Effect of selective and non-selective adrenoceptor blockade during physical work on energy metabolism and sympatho-adrenergic system (author's transl)] Lehmann M, et al. **Arzneimittelforsch** 1982;32(3):261–6 (Eng. Abstr.) **(Ger)**

[Effect of caffeine on the physical achievement of obese children] Pena M, et al. **Orv Hetil** 1982 Jan 24;123(4):207–9 **(Hun)**

[Exercise tolerance in angina patients 3 and 24 hours after administration of a new delayed-action preparation of metoprolol] Giusti C, et al. **G Ital Cardiol** 1982; 11(11):1750–7 (Eng. Abstr.) **(Ita)**

[Effect of prolonged administration of sodium oxybutyrate on the physical work capacity and state of muscle tissue in rats] Ostrovskaia RU, et al. **Farmakol Toksikol** 1981 Sep–Oct;44(5):534–9 **(Rus)**

EXFOLIATINS see under **BACTERIAL TOXINS**

EXHIBITIONISM see under **PARAPHILIAS**

EXHIBITS

World's Fair exhibit will stress preventive health care practices. **Hospitals** 1982 Apr 1;56(7):37, 40

[Dosimetry-81 (review of the exhibits of the Atomic Energy Pavillion of the USSR Exhibition of Economic Achievements)] Ikonnikov AI, et al. **Med Radiol (Mosk)** 1982 Feb;27(2):81-4 **(Rus)**

[In the USSR Public Health pavillion of the exhibit of the achievements of the national economy] Kononykhin VV. **Voen Med Zh** 1982 May;(5):14-5 **(Rus)**

EXISTENTIAL PSYCHOLOGY see **EXISTENTIALISM**

EXISTENTIALISM

Symbols, symptoms, and delusions: an existential analysis. Niv MD. **Am J Psychoanal** 1981 Fall;41(3):239-47

Entering the mysterious dimension of other: an existential approach to nursing care. Gulino CK. **Nurs Outlook** 1982 Jun;30(6):352-7

[Existential approach to the psychology and pathology of personality (critical essay)] Khavin AB. **Zh Nevropatol Psikhiatr** 1981;81(12):1871-6 (50 ref.) **(Rus)**

EXO-1,4-ALPHA-GLUCOSIDASE see under **GLUCOSIDASES**

EXOCRINE GLANDS

see related
BARTHOLIN'S GLANDS
BREAST
BULBOURETHRAL GLANDS
LACRIMAL APPARATUS
MAMMAE
PANCREAS
PERIANAL GLANDS
PROSTATE
SALIVARY GLANDS
SEBACEOUS GLANDS
SWEAT GLANDS

ANATOMY & HISTOLOGY

Histology, ultrastructure, and carbohydrate cytochemistry of surface and glandular epithelium of human nasal mucosa. Thaete LG, et al. **Am J Anat** 1981 Nov;162(3):243-63

Comparative histology of the scent glands of five species of skunks. Heidt GA, et al. **J Anat** 1982 Jan;134(Pt 1):121-7

CYTOLOGY

Mucus-secreting glands and goblet cells in the trachea of the deer mouse, Peromyscus leucopus. Gatto LA, et al. **Trans Am Microsc Soc** 1981 Oct;100(4):355-65

Secretion in the epidermis of polypteriform fish. Whitear M. **Z Mikrosk Anat Forsch** 1981;95(4):531-43

DRUG EFFECTS

Effect of sex-hormones on the uropygial gland of the female domestic duckling. Sahu A, et al. **Mikroskopie** 1981 Aug; 38(7-8):204-12

Differential effects of histamine, vasoactive intestinal polypeptide, prostaglandin E2 and somatostatin on cyclic AMP-dependent protein kinase activation in gastric glands isolated from the guinea pig fundus and antrum. Mangeat P, et al. **Regul Pept** 1982 Feb;3(2):155-68

METABOLISM

'Enterolglucagon': a specific effect on gastric glands isolated from the rat fundus. Evidence for an 'oxyntomodulin' action. Bataille D, et al. **Biosci Rep** 1981 Feb;1(2):151-5

Relationship between receptors, calcium channels, and responses in exocrine gland cells. Putney JW Jr, et al. **Methods Cell Biol** 1981;23:503-11 (40 ref.)

Stimulation of RNA transcription by juvenile hormone in degenerating silk glands. Grzelak K, et al. **Mol Cell Endocrinol** 1982 May;26(3):341-51

[Sodium transport in the exocrine glands] Imai Y. **Nippon Rinsho** 1982;40(3):588-94 **(Jpn)**

PARASITOLOGY

Anatrichosoma haycocki sp. n. (Nematoda: Trichuridae) from the paracloacal glands of Antechinus spp. With notes on Skrjabinocapillaria skarbilovitsch. Spratt DM. **Ann Parasitol Hum Comp** 1982;57(1):63-71

PHYSIOLOGY

Evidence for coexistence of vasoactive intestinal polypeptide (VIP) and acetylcholine in neurons of cat exocrine glands. Morphological, biochemical and functional studies. Lundberg JM. **Acta Physiol Scand [Suppl]** 1981;496:1-57

Brood patch function for the ventral scent gland of the female Mongolian gerbil, Meriones unguiculatus. Kittrell EM, et al. **Dev Psychobiol** 1982 May;15(3):197-202

Membrane potential and conductance changes evoked by hormones and neurotransmitters in mammalian exocrine gland cells. Petersen OH, et al. **Methods Cell Biol** 1981; 23:513-30 (56 ref.)

The effect of prolonged ethanol feeding on exocrine-endocrine pancreatic function. Imamura K, et al. **Mt Sinai J Med (NY)** 1982 Jan-Feb;49(1):41-5

PHYSIOPATHOLOGY

Quantitative evaluation of the development of tracheal submucosal glands in infants with cystic fibrosis and control infants. Sturgess J, et al. **Am J Pathol** 1982 Mar; 106(3):303-11

SECRETION

Nervous controlling and feedback circuits influencing the activity of smooth muscles, secretion of glands and tissue metabolism. Hrbek J. **Acta Univ Palacki Olomuc Fac Med** 1981;100:1-636 (539 ref.)

Mucous glycoproteins from cat tracheal goblet cells and mucous glands separated with EDTA. Sherman JM, et al. **Am Rev Respir Dis** 1981 Oct;124(4):476-9

Tracheal submucosal gland serous cells stimulated in vitro with adrenergic and cholinergic agonists. A morphometric study. Basbaum CB, et al. **Cell Tissue Res** 1981; 220(3):481-98

New approaches to regulation of fluid secretion in airways. Nadel JA. **Chest** 1981 Dec;80(6 Suppl):849-51

Hypoxemia reflexly increases secretion from tracheal submucosal glands in dogs. Davis B, et al. **J Appl Physiol** 1982 Jun;52(6):1416-9

Effect of contact lens wear on the conjunctival mucous system. Greiner JV, et al. **Ophthalmology (Rochester)** 1981 Aug;88(8):821-32

SURGERY

Endocrine function and histology of the canine pancreas after exocrine ablation by ductal injection of silicone rubber adhesive. White DC, et al. **J Surg Res** 1981 Nov;31(5):371-4

ULTRASTRUCTURE

Effect of tobacco smoke exposure on rat tracheal submucosal glands: an ultrastructural study. Lewis DJ, et al. **Thorax** 1981 Aug;36(8):622-4

EXOCYTOSIS

Secretory vesicle - cytosol interactions in exocytosis: isolation by Ca2+-dependent affinity chromatography of proteins that bind to the chromaffin granule membrane. Creutz CE. **Biochem Biophys Res Commun** 1981 Dec 31; 103(4):1395-400

A role for sialic acid containing substrates in the exocytosis-like in vitro interaction between adrenal medullary plasma membranes and chromaffin granules. Konings F, et al. **Biochem Biophys Res Commun** 1982 Jun 30;106(4):1191-5

Fractionation of the rat ventral prostate with respect to isolation and exocytosis of the prostatic secretion protein. Haaparanta T, et al. **Biochim Biophys Acta** 1982 May 5; 716(1):79-93

Reduction in calcium concentration induces exocytotic secretion of catecholamines from the adrenal medulla in the absence of extracellular ions. Serimachi M, et al. **Brain Res** 1981 Sep 14;220(2):416-9

The morphologic pathway of exocytosis of the vesicular stomatitis virus G protein in cultured fibroblasts. Wehland J, et al. **Cell** 1982 Apr;28(4):831-41

Cation-dependent lysis of chromaffin granules - an alternative hypothesis fro osmotically-driven exocytosis. Geisow MJ, et al. **Cell Biol Int Rep** 1982 Apr;6(4):353-9

Exocytotic release of secretory granules from endocrine cells in the midgut of insects. Endo Y, et al. **Cell Tissue Res** 1982;222(3):515-22

Calcium-dependent regulation of chromaffin granule movement, membrane contact, and fusion during exocytosis. Pollard HB, et al. **Cold Spring Harbor Symp Quant Biol** 1982;46 (Pt 2):819-34 (42 ref.)

Microinjection of anticlathrin antibodies into cultured fibroblasts: clathrin-coated structures in receptor-mediated endocytosis and in exocytosis. Wehland J, et al. **Cold Spring Harbor Symp Quant Biol** 1982;46 (Pt 2):743-53

Lysosomal fusion in endocytosis and exocytosis. I. Demonstration and characterization of two fusion reactions proceeding simultaneously in non-phagocytosing guinea pig polymorphonuclear leukocytes. Amano F, et al. **Exp Cell Res** 1981 Nov;136(1):15-26

Post-stimulation retrieval of luminal surface membrane in parotid acinar cells is calcium-dependent. Koike H, et al. **Exp Cell Res** 1981 Aug;134(2):377-88

Membrane retrieval in non-exocytic and exocytic rat peritoneal mast cells. Nielsen EH, et al. **Exp Cell Res** 1981 Oct;135(2):291-8

The origin and fate of large dense bodies in beige mouse fibroblasts. Lysosomal fusion and exocytosis. Willingham MC, et al. **Exp Cell Res** 1981 Nov;136(1):157-68

Exocytosis and nerve terminal pseudopodia. Boyne AF, et al. **Fed Proc** 1982 Apr;41(6):2188-92

The effects of membrane fatty acid modification of clonal pheochromocytoma cells on depolarization-dependent exocytosis. Williams TP, et al. **J Biol Chem** 1982 Apr 10; 257(7):3491-500

Further characterization of the aggregation and fusion of chromaffin granules by synexin as a model for compound exocytosis. Creutz CE, et al. **J Cell Biochem** 1982; 18(1):87-97

Exocytosis of pinocytosed fluid in cultured cells: kinetic evidence for rapid turnover and compartmentation. Besterman JM, et al. **J Cell Biol** 1981 Dec;91(3 Pt 1):716-27

Role of osmotic forces in exocytosis: studies of ADH-induced fusion in toad urinary bladder. Kachadorian WA, et al. **J Cell Biol** 1981 Nov;91(2 Pt 1):584-8

Cytoskeleton-secretory vesicle interactions during the docking of secretory vesicles at the cell membrane in Paramecium tetraurelia cells. Plattner H, et al. **J Cell Biol** 1982 Feb;92(2):368-77

Vesicular exocytosis of foot- and -mouth disease virus from mammary gland secretory epithelium of infected cows. Blackwell JH, et al. **J Gen Virol** 1981 Sep;56(Pt 1):207-12

Large dense-core vesicle exocytosis and membrane recycling in the mossy fibre synapses of the rabbit hippocampus during epileptiform seizures. Nitsch C, et al. **J Neurocytol** 1981 Apr;10(2):201-9

Immunochemical evidence for exocytosis in isolated chromaffin cells after stimulation with depolarizing agents. Wildmann J, et al. **J Neuroimmunol** 1981 Sep;1(3):353-64

Adenylate cyclase and exocytosis of membrane-coating granules in oral mucosa. Chen SY. **J Submicrosc Cytol** 1982 Apr;14(2):253-62

Ion-dependent stages of the cortical reaction in surface complexes isolated from Arbacia punctulata eggs. Schön EA, et al. **J Ultrastruct Res** 1981 Aug;76(2):191-201

Synaptic vesicle exocytosis. Reese T. **JAMA** 1981 Oct 2; 246(14):1593

Basic mechanisms of cellular secretion. **Methods Cell Biol** 1981;23:1-572

Aspects of the calcium hypothesis of stimulus-secretion coupling: electrical activity in adenohypophyseal cells, and membrane retrieval after exocytosis. Douglas WW. **Methods Cell Biol** 1981;23:483-501 (72 ref.)

Membrane recycling in secretory cells: implications for traffic of products and specialized membranes within the Golgi complex. Farquhar MG. **Methods Cell Biol** 1981;23:399-427 (63 ref.)

Membrane circulation: an overview. Holtzman E. **Methods Cell Biol** 1981;23:379-97 (75 ref.)

Exocytosis-endocytosis as seen with morphological probes of membrane organization. Orci L, et al. **Methods Cell Biol** 1981;23:283-300 (44 ref.)

Comparison of compound with plasmalemmal exocytosis in Limulus amebocytes. Ornberg RL, et al. **Methods Cell Biol** 1981;23:301-11

Role of Ions and intracellular proteins in exocytosis. Pollard HB, et al. **Methods Cell Biol** 1981;23:313-34

Stereological analysis of microtubules in cells with special reference to their possible role in secretion. Reaven E. **Methods Cell Biol** 1982;25 Pt B:273-83

Actin filaments and secretion: the macrophage model. Stossel TP. **Methods Cell Biol** 1981;23:215-30 (81 ref.)

Calcium control of exocytosis and endocytosis in bovine adrenal medullary cells. Baker PF, et al. **Philos Trans R Soc Lond [Biol]** 1981 Dec 18; 296(1080):83-103 (46 ref.)

Endocytosis in secretory cells. Herzog V. **Philos Trans R Soc Lond [Biol]** 1981 Dec 18; 296(1080):67-72

Exocytosis and membrane recycling. Meldolesi J, et al. **Philos Trans R Soc Lond [Biol]** 1981 Dec 18; 296(1080):55-65 (41 ref.)

Interaction of brain synaptic vesicles induced by endogenous Ca2+ -dependent phospholipase A2. Moskowitz N, et al. **Science** 1982 Apr 16;216(4543):305-7

[Exocytosis in the rabbit liver in experimental hypercholesterolemia] Rosnowski A, et al. **Patol Pol** 1981 Oct-Dec;32(4):461-70 (Eng. Abstr.) **(Pol)**

[Secretory activity of polymorphonuclear leukocytes] Pisarevskii VE. **Arkh Patol** 1982;44(5):3-12 (46 ref.) (Eng. Abstr.) **(Rus)**

[Exocytosis of peripheral blood leukocyte enzymes in aseptic inflammation] Lipshits RU, et al. **Fiziol Zh** 1982 May; 28(3):369-70 **(Rus)**

DRUG EFFECTS

Exocytosis of cortical granules and formation of microvilli in sea urchin eggs insufficiently activated by butyric acid and benzimidazole. Uto N. **Acta Embryol Morphol Exp** 1981 Aug;2(1):15-27

Pancreatic effects of ethionine: blockade of exocytosis and appearance of crinophagy and autophagy precede cellular necrosis. Koike H, et al. **Am J Physiol** 1982 Apr; 242(4):G297-307

Influence of colchicine on lactating mammary gland of the cow and rat with special reference to the exocytosis and to the milk fat globule secretion. Morales CR, et al. **Anat Histol Embryol** 1982 Mar;11(1):56-64

Inhibition of some polymorphonuclear leukocyte functions by ethacrynic acid. Elferink JG, et al. **Biochem Pharmacol** 1982 Feb 1;31(3):443-8

Activation of superoxide production and differential exocytosis in polymorphonuclear leukocytes by cytochalasins A, B, C, D and E. Effects of various ions. Bentley JK, et al. **Biochim Biophys Acta** 1981 Dec 4; 678(2):238-44

Morphological aspects of secretion in the glomus cell paraneurons of the carotid body: evidence for calcium-dependent exocytosis. Hansen JT. **Cytobios** 1981; 32(126):79-88

Lipoxygenase inhibitors exert secretagogue-specific effects on mast cell exocytosis. Nemeth EF, et al.

Eur J Pharmacol 1982 Apr 23;79(3-4):315-8
Endotoxin-induced degranulation of the Limulus amebocyte. Armstrong PB, et al. **Exp Cell Res** 1982 Jul;140(1):15-24
On the calcium receptor activating exocytosis: inhibitory effects of calmodulin-interacting drugs on rat mast cells. Douglas WW, et al. **J Physiol (Lond)** 1982 Feb;323:229-44
Calmodulin confers calcium sensitivity on secretory exocytosis. Steinhardt RA, et al. **Nature** 1982 Jan 14; 295(5845):154-5
Mechanism of calcium action and release of vesicle-bound hormones during exocytosis. Pollard HB, et al. **Recent Prog Horm Res** 1981;37:299-332

EXODONTICS see **TOOTH EXTRACTION**

EXOMPHALOS see **HERNIA, UMBILICAL**

EXONS see **BASE SEQUENCE**

EXONUCLEASES

Use of exonuclease III to determine the site of stable lesions in defined sequences of DNA: the cyclobutane pyrimidine dimer and cis and trans dichlorodiammine platinum II examples. Royer-Pokora B, et al. **Nucleic Acids Res** 1981 Sep 25;9(18):4595-609
[Comparison of the molecular forms of exonuclease and ribonuclease in normal human spleen] Nègre A, et al. **C R Seances Acad Sci [III]** 1981 Dec 14;293(14):741-4 (Eng. Abstr.) **(Fre)**

ANALYSIS

Subunit structure of Escherichia coli exonuclease VII. Vales LD, et al. **J Biol Chem** 1982 Aug 10;257(15):8799-805

ANTAGONISTS & INHIBITORS

Partial purification and properties of an exonuclease inhibitor induced by bacteriophage Mu-1. Williams JG, et al. **J Virol** 1981 Aug;39(2):548-58

BIOSYNTHESIS

Extracellular exonuclease as a stage 0 biochemical marker in Bacillus subtilis sporulation. Burke WF Jr, et al. **J Bacteriol** 1982 Feb;149(2):768-70
mRNA- and DNA-directed synthesis of herpes simplex virus-coded exonuclease in Xenopus laevis oocytes. Preston CM, et al. **J Virol** 1982 Aug;43(2):386-94

ISOLATION & PURIFICATION

Heterogeneity of neutral ribonuclease II and ribonuclease II-inhibitor complex from mouse skeletal muscle. Little BW, et al. **Biochim Biophys Acta** 1981 Sep 28;655(2):251-5
Molecular multiplicity of nuclease TT1 from Thermus thermophilus HB8. Takahashi M, et al. **J Biochem (Tokyo)** 1981 Nov;90(5):1521-7

METABOLISM

Enzymes involved in the repair of damaged DNA. Grossman L. **Arch Biochem Biophys** 1981 Oct 15;211(2):511-22 (81 ref.)
Selective resistance of bacterial polyadenylate-containing RNA to hydrolysis by guanosine 3'-5'-monophosphate-sensitive nuclease of Bacillus brevis. Gopalakrishna Y, et al. **Biochem Biophys Res Commun** 1981 Nov 30;103(2):454-60
Exonuclease activity from Pseudomonas aeruginosa which is missing in phenotypically restrictionless mutants. Potter AA, et al. **J Bacteriol** 1982 Sep;151(3):1204-9
Role of exonuclease III in the base excision repair of uracil-containing DNA. Taylor AF, et al. **J Bacteriol** 1982 Jul;151(1):351-7
Template-prime-dependent turnover of (Sp)-dATP alpha S by T4 DNA polymerase. The stereochemistry of the associated 3' goes to 5'-exonuclease. Gupta A, et al. **J Biol Chem** 1982 Jul 10;257(13):7689-92
Exonuclease II from Saccharomyces cerevisiae. An enzyme which liberates 5'-deoxyribomononucleotides from single-stranded DNA by a 5' goes to 3' mode of hydrolysis. Villadsen IS, et al. **J Biol Chem** 1982 Jul 25;257(14):8177-82
Mechanism of replication of bacteriophage phi X174 XX. Sensitivity of nascent DNA to single-strand-specific nucleases. Matthes M, et al. **J Virol** 1982 Apr;42(1):12-9
New rapid methods for DNA sequencing based in exonuclease III digestion followed by repair synthesis. Guo LH, et al. **Nucleic Acids Res** 1982 Mar 25;10(6):2065-84
Further studies on the substrate specificity of calf spleen phosphodiesterase [EC 3.1.4.18] Zieliński WS, et al. **Nucleic Acids Symp Ser** 1981;(9):235-7
A DNA fragment with an alpha-phosphorothioate nucleotide at one end is asymmetrically blocked from digestion by exonuclease III and can be replicated in vivo. Putney SD, et al. **Proc Natl Acad Sci USA** 1981 Dec;78(12):7350-4
[DNA-methylase from Arthrobacter luteus screens DNA from the action of site-specific endonuclease Alu I] Kramarov VM, et al. **Biokhimiia** 1981 Aug;46(8):1526-9 (Eng. Abstr.) **(Rus)**
[Molecular mechanisms of stabilization and preparation of metabolic breaks in DNA strands in vivo. I. Tandem action of exonuclease V and DNA polymerase II] Fradkin GE, et al. **Mol Biol (Mosk)** 1982 Jan-Feb;16(1):55-8 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

Shope fibroma virus. II. Role of the virion-associated nucleases. Pogo BG, et al. **J Virol** 1982 Jan;41(1):104-9

RADIATION EFFECTS

The Arrhenius plot behavior of a gamma-radiation-releasable, membrane-bound exonuclease. Mitchel RE. **Radiat Res** 1981 Nov;88(2):426-9

EXOPHTHALMIC GOITER see **GOITER, EXOPHTHALMIC**

EXOPHTHALMOS

CHEMICALLY INDUCED

Exophthalmos and elevated thyroxine levels in association with lithium therapy. Rabin PL, et al. **J Clin Psychiatry** 1981 Oct;42(10):398-400
Case report. Steroid exophthalmos. Cohen BA, et al. **J Comput Assist Tomogr** 1981 Dec;5(6):907-8

COMPLICATIONS

Primary fungal infections of the paranasal sinuses. Stevens MH. **Am J Otolaryngol** 1981 Nov;2(4):348-57
Crouzon's disease with bilateral luxation of globes. Chandran GD, et al. **Indian J Ophthalmol** 1981 Jan;28(4):229-30
Effect on exophthalmos of various methods of treatment of Graves' disease. Gwinup G, et al. **JAMA** 1982 Apr 16; 247(15):2135-8
[Rare complications of secondary glaucoma in pulsating exophthalmos] Mitkowski S, et al. **Wiad Lek** 1981 Jul 15; 34(14):1217-21 **(Pol)**

DIAGNOSIS

Exophthalmometry with a gauge mounted on a slit lamp. Lobel D, et al. **Am J Ophthalmol** 1981 Oct;92(4):577-8
Graves' ophthalmopathy evaluated by infrared eye-movement recordings. Feldon SE, et al. **Arch Ophthalmol** 1982 Feb;100(2):324-8
Orbital subperiosteal hematoma (epidural hematoma of the orbit). Katz RS, et al. **J Clin Neuro Ophthalmol** 1981 Mar; 1(1):45-52
[A new echographic sign for the reliable diagnosis of graves' disease (author's transl)] Ossoinig KC. **Klin Monatsbl Augenheilkd** 1982 Mar;180(3):189-97 (Eng. Abstr.) **(Ger)**
[Unilateral exophthalmos - diagnostic and therapeutic procedure (author's transl)] Tamura M, et al. **No Shinkei Geka** 1981 Nov;9(12):1383-90 (Eng. Abstr.) **(Jpn)**

ETIOLOGY

Ocular displacement during mechanical ventilation. Hardy PA. **Anaesthesia** 1982 Mar;37(3):317-8
Anisocoria and ipsilateral exophthalmos during enflurane anesthesia. Klein DS, et al. **Anesthesiology** 1982 Sep; 57(3):237-8
Cemento-ossifying fibroma of the ethmoidal sinus manifesting as proptosis. Cohn HC, et al. **Ann Ophthalmol** 1982 Feb;14(2):173-5
Proptosis and pseudocyst formation from inverted papilloma. Karcioglu ZA, et al. **Ann Ophthalmol** 1982 May;14(5):443-8
Chiasmal syndrome caused by arteriovenous malformations. Sibony PA, et al. **Arch Ophthalmol** 1982 Mar;100(3):438-42
Proptosis secondary to subdural hematoma. Skalka HW. **Arch Ophthalmol** 1982 Mar;100(3):448-50
Maxillary meningioma appearing as exophthalmos. Godel V, et al. **Arch Otolaryngol** 1981 Oct;107(10):626-8
Bilateral proptosis, dilatation of conjunctival veins, and papilloedema: a neuro-ophthalmological syndrome caused by arteriovenous malformation of the torcular herophili. Buchanan TA, et al. **Br J Ophthalmol** 1982 Mar;66(3):186-9
Severe exophthalmos secondary to orbital myopathy not due to Graves's disease. Goldberg L, et al. **Br J Ophthalmol** 1982 Jun;66(6):392-5
Orbital tuberculosis in childhood. Oakhill A, et al. **Br J Ophthalmol** 1982 Jun;66(6):396-7
Periodic exophthalmos associated with the blue rubber bleb naevus syndrome: a case report. Rennie IG, et al. **Br J Ophthalmol** 1982 Sep;66(9):594-9
Gardner's syndrome presenting as unilateral proptosis. Jain MR, et al. **Indian J Ophthalmol** 1981 Apr;29(1):55-8
Spontaneous unilateral exophthalmos consecutive to arteriovenous fistulae exclusively fed by branches of the external carotid artery. Taptas JN, et al. **J Neuroradiol** 1981;8(4):327-33 **(Eng, Fre)**
Traumatic exophthalmos due to an uncommon arteriovenous fistula without involvement of the cavernous sinus. Case report. Bradač GB, et al. **J Neurosurg** 1981 Dec;55(6):993-6
A clinicopathologic study of a cartilaginous hamartoma of the orbit: a rare cause of proptosis. Bowen JH, et al. **Ophthalmology (Rochester)** 1981 Dec;88(12):1356-60
[Unilateral exophthalmos in Albright's dystrophy] Haye C, et al. **Bull Soc Ophtalmol Fr** 1981 Dec;81(12):1123-5 **(Fre)**
[Primary reticulosarcoma of bone with an orbito-cranial localization] Risse JF, et al. **Bull Soc Ophtalmol Fr** 1981 Jun-Jul;81(6-7):667-9 (Eng. Abstr.) **(Fre)**
[2 cases of Burkitt's sarcoma manifested by pseudo-inflammatory exophthalmos] Wade A, et al. **Dakar Med** 1981;26(2):243-6 (Eng. Abstr.) **(Fre)**
[Middle fossa neurinoma with proptosis and oculomotor palsy (author's transl)] Sako K, et al. **No Shinkei Geka** 1981 Sep; 9(10):1153-8 (Eng. Abstr.) **(Jpn)**
[Unilateral exophthalmos with intraorbital foreign body, developed 4 years after injury (author's transl)] Takemura K, et al. **No Shinkei Geka** 1981 Aug;9(9):1047-51 (Eng. Abstr.) **(Jpn)**
[A case of IgG multiple myeloma showed a hyperviscosity syndrome after operation for prostatic hypertrophy and associated with left exophthalmus (author's transl)] Yanagisawa K. **Rinsho Ketsueki** 1982 Jan;23(1):68-75 **(Jpn)**
[Characteristics of exophthalmos in an orbital cystic dermoid tumor] Arseni C, et al. **Rev Chir [Oftalmol]** 1981 Apr-Jun; 25(2):121-4 (Eng. Abstr.) **(Rum)**
[Clinical manifestations and pathogenesis of neurological complications in Osler-Rendu disease] Glonti TI, et al. **Klin Med (Mosk)** 1981 Sep;59(9):52-4 **(Rus)**
[Intermittent exophthalmos] Tetina GF. **Oftalmol Zh** 1981; 36(4):216-8 (Eng. Abstr.) **(Rus)**
[Intermittent exophthalmos — a case report] Milenković D, et al. **Med Pregl** 1981;34(3-4):173-6 (Eng. Abstr.) **(Scr)**

FAMILIAL & GENETIC

A case of Beckwith-Wiedemann syndrome [letter] Julien M, et al. **Arch Pathol Lab Med** 1982 Mar;106(3):154

RADIOGRAPHY

Vascular malformations as the cause of unilateral exophthalmus: diagnostic and therapeutic considerations. Peeters FL. **Diagn Imaging** 1982 Jan-Feb;51(1):1-7
Intermittent exophthalmos studied with computerized tomography. Report of two cases. Rivas JJ, et al. **J Neurosurg** 1982 Aug;57(2):290-4

SURGERY

Surgical treatment of exophthalmos and enophthalmos. Wolfe SA. **Ann Ophthalmol** 1981 Aug;13(8):995-1002
Surgical management of unilateral proptosis. Boparai MS, et al. **Indian J Ophthalmol** 1981 OCT;29(3):195-7
Radical orbital decompression for severe dysthyroid exophthalmos. Maroon JC, et al. **J Neurosurg** 1982 Feb; 56(2):260-6
The effect of anterior orbital decompression on motility in thyroid exophthalmos. Dixon R, et al. **Ophthalmic Surg** 1981 Dec;12(12):905-10
The surgical management of thyroid-related upper eyelid retraction. Dixon R. **Ophthalmology (Rochester)** 1982 Jan; 89(1):52-7
An orbital decompression for severe dysthyroid exophthalmos. Kennerdell JS, et al. **Ophthalmology (Rochester)** 1982 May;89(5):467-72

VETERINARY

Dysthyroid orbital disease in Macaca fascicularis. Peiffer RL Jr, et al. **J Med Primatol** 1981;10(4-5):219-27

EXOSTOSES

[Talalgia and calcaneal spurs: classification and etiopathogenetic theories] Baccarani G, et al. **Chir Organi Mov** 1981 May-Jun;66(3):365-9 (Eng. Abstr.) **(Ita)**

COMPLICATIONS

Diffuse idiopathic skeletal hyperostosis (DISH) and spondylosis deformans as predictors of cardiovascular diseases and cancer. Julkunen H, et al. **Scand J Rheumatol** 1981;10(3):241-8
[Arterial thrombosis of the femoro-popliteal axis. An exceptional case of vascular complication by exostosis (author's transl)] Metras D, et al. **J Mal Vasc** 1981; 6(4):289-91 (Eng. Abstr.) **(Fre)**

DIAGNOSIS

[Results of apophyseal detachment of the ischiatic tuberosity with tumor-like appearance] Laus M, et al. **Arch Putti Chir Organi Mov** 1980;30:185-9 (Eng. Abstr.) **(Ita)**
[Exostoses of the transverse processes of the cervical vertebrae: observations on 2 cases] La Terra F. **Chir Organi Mov** 1981;66(5):401-3 **(Ita)**

ETIOLOGY

The snapping scapula syndrome. A case report. Strizak AM, et al. **J Bone Joint Surg [Am]** 1982 Jul;64(6):941-2
Traumatic bony exostosis in the infratemporal fossa. Bodner L, et al. **J Oral Maxillofac Surg** 1982 Mar;40(3):179-80

OCCURRENCE

Spondylosis deformans and diffuse idiopathic skeletal hyperostosis (DISH) in Finland. Julkunen H, et al. **Scand J Rheumatol** 1981;10(3):193-203

RADIOGRAPHY

Radiological study of the sacroiliac joints in vertebral ankylosing hyperostosis. Brigode M, et al. **Ann Rheum Dis** 1982 Jun;41(3):225–31

A rare form of solitary osteocartilaginous exostosis from anterior iliac spine: report of two cases. Jeshrani MK, et al. **Diagn Imaging** 1982 Jan–Feb;51(1):25–7

[Ossidesmosis in X-ray pictures of some bone and joint diseases (author's transl)] Sváb V. **Radiol Diagn (Berl)** 1982 Jan;23(1):49–59 (Eng. Abstr.) **(Ger)**

SURGERY

Recurrent turret exostoses—case report. Bourguignon RL. **J Hand Surg** 1981 Nov;6(6):578–82

Osteomas and exostoses of the external auditory canal – medical and surgical management. Kemink JL, et al. **J Otolaryngol** 1982 Apr;11(2):101–6

THERAPY

Osteomas and exostoses of the external auditory canal – medical and surgical management. Kemink JL, et al. **J Otolaryngol** 1982 Apr;11(2):101–6

VETERINARY

Acetabular osseous bulla in osteoarthritic cattle. Weaver AD. **Br Vet J** 1982 Mar–Apr;138(2):123–6

Surgical arthrodesis for the treatment of bone spavin in 20 horses. Edwards GB. **Equine Vet J** 1982 Apr;14(2):117–21

EXOSTOSES, MULTIPLE

COMPLICATIONS

An unusual presentation of chondrosarcoma in diaphyseal aclasis. Deshpande H, et al. **Br J Clin Pract** 1982 Jan; 36(1):19–22

DIAGNOSIS

Syndromes with congenital cataract (Conradi–Hunerman syndrome): a case report. Abedi S. **Ann Ophthalmol** 1982 Jun;14(6):595–7

FAMILIAL & GENETIC

A new form of metaphyseal chondrodysplasia in two sibs: surgical treatment of tracheobronchial malacia and scoliosis. Kaitila II, et al. **Am J Med Genet** 1982 Apr; 11(4):415–24

Hereditary multiple exostos. v. Hereditary multiple exostoses in horses. Shupe JL, et al. **Am J Pathol** 1981 Sep; 104(3):285–8

Metachondromatosis. Beals RK. **Clin Orthop** 1982 Sep; (169):167–70

The foot and ankle in multiple hereditary exostoses. Jahss MH, et al. **Foot Ankle** 1980 Nov;1(3):128–42

Hereditary multiple exostoses: report of a kindred. Gordon SL, et al. **J Med Genet** 1981 Dec;18(6):428–30

METABOLISM

Structural and associative properties of cartilage matrix constituents in mice with hereditary chondrodysplasia. Seegmiller RE, et al. **Connect Tissue Res** 1981;9(1):69–77

PATHOLOGY

[Multiple exostoses] Szczerbiński A. **Wiad Lek** 1981 Oct–Dec;34(20–24):1759–62 **(Pol)**

RADIOGRAPHY

Further clinical and radiological features in metaphyseal chondrodysplasia Jansen type. Nazará Z, et al. **Radiology** 1981 Sep;140(3):697–700

VETERINARY

Effect of excessive exposure to sodium fluoride on composition and crystallinity of equine bone tumors. Shupe JL, et al. **Am J Vet Res** 1981 Jun;42(6):1040–2

EXOTOXINS

Leukotoxic activity in different strains of the bacterium Actinobacillus actinomycetemcomitans isolated from juvenile periodontitis in man. Baehni PC, et al. **Arch Oral Biol** 1981;26(8):671–6

Toxoid from exotoxin A of Pseudomonas aeruginosa: preparation and characterization. Pollack M, et al. **J Infect Dis** 1982 May;145(5):688–98

[Antigens of Shigella dysenteriae serovars 3–7. III. Chemical composition, toxic and physicochemical properties of exotoxins] Ianishevskaia MN. **Zh Mikrobiol Epidemiol Immunobiol** 1981 Sep;(9):38–41 (Eng. Abstr.) **(Rus)**

ANALYSIS

Exotoxins of Aeromonas hydrophila. Burke V, et al. **Aust J Exp Biol Med Sci** 1981 Dec;59(Pt 6):753–61

The exotoxins of Corynebacterium ulcerans. Carne HR, et al. **J Hyg (Lond)** 1982 Apr;88(2):173–91

[Detection of thermolabile exotoxin in B. thuringiensis and its separation from phospholipase C] Fluer FS, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1981;(8):81–5 (Eng. Abstr.) **(Rus)**

BIOSYNTHESIS

Comparative in vitro leukotoxin production of three bovine strains of Fusobacterium necrophorum. Scanlan CM, et al. **Am J Vet Res** 1982 Aug;43(8):1329–33

Enzyme-linked immunosorbent assay for detection of type A streptococcal exotoxin: kinetics and regulation during growth of Streptococcus pyogenes. Houston CW, et al. **Infect Immun** 1981 Sep;33(3):862–9

Phage-host interactions and the production of type A streptococcal exotoxin in group A streptococci. McKane L, et al. **Infect Immun** 1981 Dec;34(3):915–9

Medium for the accumulation of extracellular hemolysin and protease by Aeromonas hydrophila. Riddle LM, et al. **Infect Immun** 1981 Sep;33(3):728–33

Characterization of an inducible bacteriophage from a leukotoxic strain of Actinobacillus actinomycetemcomitans. Stevens RH, et al. **Infect Immun** 1982 Jan;35(1):343–9

Pseudomonas aeruginosa mutants altered in their sensitivity to the effect of iron on toxin A or elastase yields. Sokol PA, et al. **J Bacteriol** 1982 Aug;151(2):783–7

GENETICS

Genetic studies on Staphylococcal strains from patients with toxic shock syndrome. Kreiswirth BN, et al. **Ann Intern Med** 1982 Jun;96(6 Pt 2):974–7

IMMUNOLOGY

Immunological cross-reactivity in the absence of DNA homology between Pseudomonas toxin A and diphtheria toxin. Sadoff JC, et al. **Infect Immun** 1982 Jul;37(1):250–4

Detection by enzyme-linked immunosorbent assays of antibody specific for Pseudomonas proteases and exotoxin A in sera from cystic fibrosis patients. Jagger KS, et al. **J Clin Microbiol** 1982 Jun;15(6):1054–8

Development of antibodies to OEP, exotoxin A and exoenzymes of Pseudomonas aeruginosa in man. Shinozaki T, et al. **Jpn J Exp Med** 1981 Jun;51(3):165–70

[Antigens of Shigella dysenteriae serovars 3–7. IV. Immunochemical study of the exotoxin] Ianishevskaia MN. **Zh Mikrobiol Epidemiol Immunobiol** 1982 May;(5):75–9 (Eng. Abstr.) **(Rus)**

ISOLATION & PURIFICATION

Staphylococcal pyrogenic exotoxin type C: further characterization. Schlievert PM, et al. **Ann Intern Med** 1982 Jun;96(6 Pt 2):982–6

Affinity chromatography purification of Pseudomonas aeruginosa exotoxin A on specifically linked NAD agarose. Cukor G, et al. **J Bacteriol** 1982 Mar;149(3):1162–5

Crystallization of exotoxin A from pseudomonas aeruginosa. Collier RJ, et al. **J Mol Biol** 1982 May 15;157(2):413–5

Purification and some properties of exotoxin from Corynebacterium ulcerans strain ATCC 9015. Vertiev YuV, et al. **Zentral Bakteriol Mikrobiol Hyg [A]** 1981; 249(4):527–37

[Studies on pathogenic Escherichia coli. Part 8. Purification and properties of exotoxin from capsular polysaccharide-synthesizing Escherichia coli] Tseng CC. **Taiwan I Hsueh Hui Tsa Chih** 1981 Sep;80(9):866–72 (Eng. Abstr.) **(Chi)**

[Isolation and characterization of erythrogenic toxins of Streptococcus pyogenes 3. communication: comparative studies of type A erythrogenic toxins (author's transl)] Gerlach D, et al. **Zentral Bakteriol Mikrobiol Hyg [A]** 1981 Sep;250(3):277–86 (Eng. Abstr.) **(Ger)**

METABOLISM

Mono (ADP-ribosyl)transferases and their effects on cellular metabolism. Vaughan M, et al. **Curr Top Cell Regul** 1981; 20:205–46 (427 ref.)

Essential role of calcium in cellular internalization of Pseudomonas toxin. Fitzgerald D, et al. **Infect Immun** 1982 Feb;35(2):715–20

The round window membrane following application of staphylococcal exotoxin: an electron microscopic study. Schachern PA, et al. **Laryngoscope** 1981 Dec; 91(12):2007–17

Absorption of staphylococcal toxin in toxic-shock syndrome [letter] Harvey M. **N Engl J Med** 1981 Dec 31; 305(27):1652–3

PHARMACODYNAMICS

Enhancement of host susceptibility to lethal endotoxin shock by staphylococcal pyrogenic exotoxin type C. Schlievert PM. **Infect Immun** 1982 Apr;36(1):123–8

The role of proteases and exotoxin A in the pathogenicity of Pseudomonas aeruginosa infections. Wretlind B, et al. **Scand J Infect Dis [Suppl]** 1981;29:13–9 (82 ref.)

[Use of the supernatant from cultures of Bacillus thuringiensis in an in vivo study of the functioning of the nucleolar organizer in Drosophila melanogaster] Paumard S, et al. **C R Seances Acad Sci [III]** 1981 Oct 12;293(5):257–60 (Eng. Abstr.) **(Fre)**

PHYSIOLOGY

Role of exotoxin A and proteases of Pseudomonas aeruginosa in respiratory tract infections. Baker NR. **Can J Microbiol** 1982 Feb;28(2):248–55

TOXICITY

Effects of proteases on the structure and activity of Pseudomonas aeruginosa exotoxin A. Morihara K, et al. **Infect Immun** 1981 Nov;34(2):435–40

EXPECTORANTS

A new method for evaluating mucolytic expectorant activity and its application. II. Application to two proteolytic enzymes, serratiopeptidase and seaprose. Kasé Y, et al. **Arzneimittelforsch** 1982;32(4):374–8

Clinical studies on the mucolytic effect of mesna. Tekeres M, et al. **Clin Ther** 1981;4(1):56–60

ADMINISTRATION & DOSAGE

[Synergistic action of sodium thiophencarboxylate and bromhexine in chronic bronchitis in rats] Badimón JJ, et al. **Arch Farmacol Toxicol** 1981 Apr;7(1):161–4 **(Spa)**

ADVERSE EFFECTS

[Drug exanthema in cardiopaths caused by inorganic iodine preparations. Report of two cases (author's transl)] Farkaš J. **Dermatol Monatsschr** 1981 Sep;167(9):579–81 (Eng. Abstr.) **(Ger)**

DIAGNOSTIC USE

The use of N-acetyl-l-cysteine in double contrast radiography of the colon: a clinical trial. Van Damme W, et al. **J Belge Radiol** 1981;64(2):171–3

PHARMACODYNAMICS

The effects of low molecular weight mucus modifying substances on the appearance of mucin gels in the scanning electron microscope. Beeson MF, et al. **Adv Exp Med Biol** 1982;144:365–8

Evaluation of mucolytic activity using a purified mucus glycoprotein gel. Marriott C, et al. **Adv Exp Med Biol** 1982; 144:93–5

The development of an in vivo model for the evaluation of drugs affecting tracheal mucus. Readman AS, et al. **Adv Exp Med Biol** 1982;144:419–21

A new method for evaluating mucolytic expectorant activity and its application. I. Methodology. Kasé Y, et al. **Arzneimittelforsch** 1982;32(4):368–73

Effects of expectorants on the canine tracheal ciliated cells. Yanaura S, et al. **Jpn J Pharmacol** 1981 Dec;31(6):957–65

Action of sobrerol on mucociliary transport. Allegra L, et al. **Respiration** 1981;42(2):105–9

Comparison of the effect of aerosols of four mucolytic solutions on the ultrastructure of the tracheal epithelium in rabbits. Konrádová V, et al. **Respiration** 1982;43(1):64–71

[Comparative histochemical study of the mechanism of action of 2 synthetic mucolytic agents, NA 872 and NA 274] Pesce Delfino V, et al. **Pathologica** 1981 Sep–Oct;73(1027):785–91 (Eng. Abstr.) **(Ita)**

[Secretagogue action of glyceryl guaiacolate in tracheal submucosal glands (author's transl)] Yanaura S, et al. **Nippon Yakurigaku Zasshi** 1982 Jan;79(1):57–64 (Eng. Abstr.) **(Jpn)**

THERAPEUTIC USE

Protection against aspirin-induced blood loss in man: assessment of a new mucolytic agent. Penny WJ, et al. **Br J Clin Pharmacol** 1981 Jun;11(6):626–9

[Mucitux in the treatment of acute inflammatory states in otorhinolaryngology. Apropos of 60 cases] Haguenauer JP, et al. **J Fr Otorhinolaryngol** 1981 Dec;30(10):677–80 **(Fre)**

EXPEDITIONS

Medical problems of a high altitude Himalayan expedition. Finnegan TP. **J R Army Med Corps** 1981 Oct;127(3):141–7

HISTORY

Lettsomian lectures. Medical perspectives of some voyages of discovery. Watt J. **Trans Med Soc Lond** 1979;95:61–91

EXPENDITURES, HEALTH

Who profits from coronary artery bypass surgery? Stanford JL. **Am J Nurs** 1982 Jul;82(7):1068–72

National Medical Care Expenditure Survey. Wilensky GR, et al. **Ann NY Acad Sci** 1982;387:115–23

Effects of fluoride and regular dental care on personal dental expenditures of young adults in Finland. Alvesalo I, et al. **Community Dent Oral Epidemiol** 1982 Feb;10(1):15–22

A role for Title XX in the aging network. Nelson G. **Gerontologist** 1982 Feb;22(1):18–25

Policies toward medical technology: an international review. Banta HD, et al. **Int J Health Serv** 1981;11(4):631–52

Clinical evaluation vs. economic evaluation: the case of a new drug. Geweke J, et al. **Med Care** 1982 Aug; 20(8):821–30

Physician use of services for the hospitalized patient: a review, with implications for cost containment. Myers LP, et al. **Milbank Mem Fund Q** 1981 Fall;59(4):481–507 (76

ref.)

TRENDS

Presidential address. Health costs, competition and the physician. Carey LC. **Am J Surg** 1982 Jan;143(1):2–5
The arms race and health care. Holdstock DJ. **Br Med J [Clin Res]** 1982 Aug 7;285(6339):421–2
Health care spending– can the rate of ascent be slowed? Freeland MS, et al. **Forum (Wash)** 1981 Aug;5(3):2–9
Federal expenditures for the elderly: a different interpretation of the past. Judge K. **Gerontologist** 1982 Apr;22(2):129–33
Competition in health care: a second opinion. Ginzberg E. **Hospitals** 1982 Mar 16;56(6):81–5
Reflections on the American health care condition. Klein R. **J Health Polit Policy Law** 1981 Summer;6(2):188–204
Reagan Administration health policy. Davis K. **J Public Health Policy** 1981 Dec;2(4):312–32
Infant mortality, economics, and arms [editorial] **Lancet** 1982 Jul 24;2(8291):193–4
Federal health program reforms: implications for child health care. Budetti PP, et al. **Milbank Mem Fund Q** 1982 Winter; 60(1):155–81
How much is too much? [letter] Volpintesta EJ. **N Engl J Med** 1981 Oct 8;305(15):895–6
Health care expenditures for the elderly. Who pays for them? Pegels CC. **Primary Care** 1982 Mar;9(1):249–55
Financing health care in a static economy. Deeble JS. **Soc Sci Med** 1982;16(6):713–24

EXPERIMENTAL DESIGN see **RESEARCH DESIGN**

EXPERT TESTIMONY

The dentist as expert witness. Meckler M. **Dent Clin North Am** 1982 Apr;26(2):383–8
The influence of psychiatric pre-sentence reports. Campbell IG. **Int J Law Psychiatry** 1981;4(1–2):89–106
The use of video recording in an MSc instructional course in forensic science as an aid to assessing students' ability as expert witnesses. Caddy B, et al. **J Forensic Sci Soc** 1981 Jul;21(3):195–200
The value of firearms examination for the defence. McCafferty J. **Med Sci Law** 1981 Jul;21(3):170–4
Herniation of L4, L5 intervertebral disc—direct examination of plaintiff's biomechanical engineer. Murray TJ. **Med Trial Tech Q** 1981 Fall;28(2):209–32
Recovery of damages for the loss of a chance. Wolfstone LL, et al. **Med Trial Tech Q** 1981 Fall;28(2):121–44
The physician as a witness on the trial of a case. **Mich Med** 1982 Jun;81(29):344
An inside look at malpractice by expert witness William B. Buckingham MD. [interview by Karen Gardner] Buckingham WB. **QRB** 1982 Jan;8(1):7–10
[Value and limitations of electronystagmography in the medicolegal assessment of the sequelae of head injuries (author's transl)] Carre J. **Rev Otoneuroophtalmol** 1981 Jul–Sep;53(4):357–61 (Eng. Abstr.) **(Fre)**
[Expert ophthalmologic testimony in insurance cases] Gramberg-Danielsen B, et al. **Buch Augenarzt** 1982; 91:1–112 **(Ger)**
[Medical opinion about injuries in the foot area (author's transl)] Probst J. **Langenbecks Arch Chir** 1981;355:449–54 (Eng. Abstr.) **(Ger)**
[Expert medical opinion as evidence for sentencing] Mallach HJ. **Lebensversicherungsmedizin** 1981 Oct 22;33(8):171–4 (Eng. Abstr.) **(Ger)**
[The role of the medical expert in procedures of the retirement insurance and social security system] Ziegelmayer W. **Lebensversicherungsmedizin** 1982 Jun 14; 34(5):114–7 (Eng. Abstr.) **(Ger)**
[Obesity—thoughts and recommendations for expert testimony, especially in employment legislation] Hartmann J. **Off Gesundheitswes** 1981 Jul;43(7):326–30 **(Ger)**
[Evaluation by the medical examiner of applications for cures with reference to a questionnaire on specific guidelines of insurance companies] Hebeisen H. **Off Gesundheitswes** 1981 Oct;43(10):507–10 **(Ger)**
[Expert testimony in cardiology—importance of heart murmurs] Kababgi MD. **Off Gesundheitswes** 1981 Jul; 43(7):301–4 **(Ger)**
[Public Health Department testimonies—a critical observation] Schuch P. **Off Gesundheitswes** 1981 Jul; 43(7):331–7 **(Ger)**
[Problems of diagnosis and expert testimony for mentally and emotionally handicapped children and adolescents under the Federal Welfare Law 39] Ungewitter D. **Off Gesundheitswes** 1981 Nov;43(11):545–9 **(Ger)**
[Recommendations for the implementation and creation of forensic psychiatric expert testimony] Szewczyk H. **Psychiatr Neurol Med Psychol (Leipz)** 1981 Nov; 33(11):689–94 (Eng. Abstr.) **(Ger)**
[Testing the credibility of adults] Szewczyk H. **Psychiatr Neurol Med Psychol (Leipz)** 1982 Jan;34(1):26–31 (Eng. Abstr.) **(Ger)**
[Expert opinion on the psychiatric status of children in divorce proceedings] Constam E, et al. **Schweiz Med Wochenschr** 1982 Feb 20;112(8):276–81 (Eng. Abstr.) **(Ger)**
[The problem of previous damage in expert opinions (author's transl)] Ludolph E, et al. **Unfallchirurgie** 1981 Oct; 7(5):269–73 **(Ger)**
[Development of the expert medical opinions services and the evaluation of cases of indemnity in medical care] Heinicke W, et al. **Z Gesamte Hyg** 1981;27(8):639–42 (Eng. Abstr.) **(Ger)**
[Expertises on growth disturbances in children seen from the aspect of private accident insurance (author's transl)] Reichenbach M, et al. **Z Orthop** 1981 Feb;119(1):142 (Eng. Abstr.) **(Ger)**
[Medical assessment of disability for Swiss disability insurance] Schuler C. **Z Unfallmed Berufskr** 1982; 75(2):75–9 **(Ger)**
[History of medical expert testimony in Hungary. 25 years of the Forensic Committee of the Scientific Health Board] Somogyi E. **Orv Hetil** 1981 Nov 15;122(46):2851–3 **(Hun)**
[Injuries of the visual system in the light of medicolegal expertises (author's transl)] Krawczykowa Z, et al. **Klin Oczna** 1981 Jul–Sep;83(7–8):355–6 (Eng. Abstr.) **(Pol)**
[Victims of Nazi persecutions in the light of expert judicial opinion] Kłodziński S. **Przegl Lek** 1981;38(1):221–4 **(Pol)**
[Problems of deontology in occupational pathology] Evlashko IuP. **Klin Med (Mosk)** 1981 Aug;59(8):105–8 (Eng. Abstr.) **(Rus)**
[Determination of the hazard status for life and health in certain methods of violent crime] Tomilin VV, et al. **Sud Med Ekspert** 1981 Oct–Dec;24(4):52–3 **(Rus)**
[Results of the studies of central hemodynamics indicators and their importance in expert testimony on ischemic heart disease] Kogan BM, et al. **Ter Arkh** 1981;53(8):51–4 (Eng. Abstr.) **(Rus)**

LEGISLATION & JURISPRUDENCE

The psychiatrist–witness and legal guilt. Bursten B. **Am J Psychiatry** 1982 Jun;139(6):784–8
The secret technical defence: a case for changing the law [letter] **Br Med J [Clin Res]** 1982 Jan 2;284(6308):47–8
Law and psychiatry: a stormy marriage. Bromberg W. **Bull Am Acad Psychiatry Law** 1981;9(3):172–9
Integrity checks on the witness stand. Colbach EM. **Bull Am Acad Psychiatry Law** 1981;9(4):285–8
President's message: reasoning behind conclusions in psychiatric reports and testimony. Sidley NT. **Bull Am Acad Psychiatry Law** 1980;8(3):iv–viii
The expert witness as a teacher. Tanay E. **Bull Am Acad Psychiatry Law** 1980;8(4):401–11
The doctor–lawyer dilemma: a problem of mental set (an examination of the doctor–lawyer interface in civil cases). Henderson J. **Can J Psychiatry** 1981 Dec;26(8):530–3
Doctor–lawyer dilemma. Turner RE, et al. **Can J Psychiatry** 1981 Dec;26(8):521
Exception to the exception: expert medical testimony and behavioral hearsay under Federal Rule 703. Firestone MH. **J Leg Med (Chicago)** 1982 Mar;3(1):117–35
Physicians as witnesses—rights, obligations, and reasonable compromise. Schenck FC. **J Med Assoc Ga** 1982 Jun; 71(6):433–6
Medical testimony in malpractice case arising out of total hip replacement surgery—sciatic nerve damage—discovery deposition of defendant orthopedic surgeon. **Med Trial Tech Q** 1981 Summer;28(1):86–120
[Various legal questions on medical expert opinions—preface to the theses] Becker G, et al. **Z Arztl Fortbild (Jena)** 1981 Sep 1;75(17):825–8 **(Fre)**
[The physician as the expert in civil legal suits] Weimar W. **Ther Ggw** 1981 Aug;120(8):748–52 **(Ger)**
[Problems of the medical secret in forensic psychiatric certification – on the basis of analyses of 150 forensic psychiatric expert's opinions issued in penal cases (author's transl)] Falicki Z, et al. **Psychiatr Pol** 1981 Mar–Apr; 15(2):161–5 **(Pol)**

METHODS

Medical evidence: 2. Manner of giving. Thomson C. **Med J Aust** 1981 Jul 11;2(1):41–2
[Remarks of a lawyer on medical expertise] Kohnle E. **Fortschr Med** 1981 Nov 26;99(44):1823–5 **(Ger)**
[Work experience in raising the qualifications of forensic medical experts in examining material evidence] Derboglav VK, et al. **Sud Med Ekspert** 1982 Apr–Jun;25(2):46–7 **(Rus)**
[Characteristics of the expertise on material evidence in respect to sexual crimes] Gurtovaia SV, et al. **Sud Med Ekspert** 1981 Oct–Dec;24(4):51–2 **(Rus)**
[Inquest data necessary for an expert conclusion in a fetal industrial injury] Mazurenko MD. **Sud Med Ekspert** 1981 Oct–Dec;24(4):22–4 (Eng. Abstr.) **(Rus)**

TRENDS

[Changes in the expert's assessment of tuberculosis. Traditional medical attitudes in expert testimony must be brought in line with the reality of improved therapy and prognosis] Wandelt–Freerksen E. **Fortschr Med** 1982 Mar 25;100(12):530–2 **(Ger)**

EXPIRATORY FORCED FLOW RATES see **FORCED EXPIRATORY FLOW RATES**

EXPIRATORY RESERVE VOLUME see under **LUNG VOLUME MEASUREMENTS**

EXPLORATORY BEHAVIOR

Response to stimulus change following observation or exploration by the rat: differential effects of hippocampal damages. Markowska A, et al. **Acta Neurobiol Exp (Warsz)** 1981;41(4):325–38
Exploratory behavior in Down's syndrome and normal infants. Bradley-Johnson S, et al. **Appl Res Ment Retard** 1981;2(3):213–28
Different reaction patterns in individually and socially reared rats during exposures to novel environments. Gentsch C, et al. **Behav Brain Res** 1982 Jan;4(1):45–54
Behavioral responses to novelty in mice: a reanalysis. Kerbusch JM, et al. **Behav Genet** 1981 Jul;11(4):373–7
Amelioration of an age-related deficit in exploratory behavior by preexposure to the test environment. Brennan MJ, et al. **Behav Neural Biol** 1982 Jan;34(1):55–62
Environmental effects on the ontogeny of exploratory and escape behaviors of Mongolian gerbils. Clark MM, et al. **Dev Psychobiol** 1982 Mar;15(2):121–9
Effects of early environmental enrichment upon open-field behavior and timidity in the domestic chick. Jones RB. **Dev Psychobiol** 1982 Mar;15(2):105–11
The senex dominated youth: issues and problems of the adolescent grown too old, too good, too soon. Daher DM. **J Adolesc** 1981 Dec;4(4):295–306
Development and evaluation of a computer-automated color TV tracking system for automatic recording of the social and exploratory behavior of small animals. Crawley JN, et al. **J Neurosci Methods** 1982 Mar;5(3):235–47
[Effect of environmental stimuli and reinforcement schedules on the exploratory and play behavior in the child] Pomerleau A, et al. **Can J Psychol** 1982 Mar;36(1):42–56 (Eng. Abstr.) **(Fre)**
[Effect of limitation of individual experience during early ontogeny on probabilistic characteristics of 'open field' behavior in the rat] Petrov ES, et al. **Zh Vyssh Nerv Deiat** 1982 Mar–Apr;32(2):347–9 **(Rus)**

DRUG EFFECTS

Effect of nitrazepam and its combined administration with fenfluramine and cyproheptadine on explorative behaviour, muscle tone and coordination in normal mice and in mice with isolation syndrome. Petkov VV. **Acta Physiol Pharmacol Bulg** 1981;6(3):66–74
Behavioural responses to novelty in two inbred mouse strains after intrahippocampal naloxone and morphine. van Abeelen JH, et al. **Behav Brain Res** 1982 Jun;5(2):199–207
Initial sensitivity and tolerance to ethanol in mice: correlations among open field activity, hypothermia, and loss of righting reflex. Crabbe JC, et al. **Behav Neural Biol** 1981 Oct;33(2):188–203
A review of atropinic drug effects on exploratory choice behavior in laboratory rodents. Hughes RN. **Behav Neural Biol** 1982 Jan;34(1):5–41 (211 ref.)
The adrenergic role in the manifestation of nicotine effects on maze ambulation in Roman High and Roman Low Avoidance rats. Schlatter J, et al. **Br J Addict** 1981; 76(2):199–209
Behavior during hippocampal microinfusions. III. Lidocaine versus picrotoxin. Flicker C, et al. **Brain Res** 1982 Mar; 257(1):129–36
Behavior during hippocampal microinfusions. I. Norepinephrine and diversive exploration. Flicker C, et al. **Brain Res** 1982 Mar;257(1):79–103
Behavior during hippocampal microinfusions. II. Muscarinic locomotor activation. Flicker C, et al. **Brain Res** 1982 Mar; 257(1):105–27
Behavior during hippocampal microinfusions. IV. Transmitter interactions. Flicker C, et al. **Brain Res** 1982 Mar;257(1):137–47
Effect of yohimbine and its diastereoisomers on clonidine-induced depression of exploration in the rat. Ortmann R, et al. **Eur J Pharmacol** 1982 Feb 5;77(4):335–7
Actions of antidepressant and neuroleptic drugs on ACTH- and novelty-induced behavior in the rat. Traber J, et al. **Eur J Pharmacol** 1982 Jun 4;80(4):407–14
beta-Alanine and alpha-L-alanine inhibit the exploratory activity of spontaneously hypertensive rats. Lilequist R, et al. **Experientia** 1982 Mar 15;38(3):379–80
Biphasic effects of ethanol on open-field activity: sensitivity and tolerance in C57BL/6N and DBA/2N mice. Crabbe JC Jr, et al. **J Comp Physiol Psychol** 1982 Jun;96(3):440–51
The effects of acute and repeated treatment with salbutamol, a beta-adrenoceptor agonist, on clonidine-induced hypoactivity in rats. Mogilnicka E. **J Neural Transm** 1982; 53(2–3):117–26
Effect of Tween 80 on exploratory behavior and locomotor activity in rats. Brubaker CM, et al. **Life Sci** 1982 Jun 7; 30(23):1965–71
Contrasting effects of Org 2766 and alpha-MSH on social and exploratory behavior in the rat. File SE. **Peptides (Fayetteville)** 1981 Fall;2(3):255–60
Arginine vasotocin: effects on open field behavior, whole brain monoamines and plasma corticosterone. Golus P, et al. **Peptides (Fayetteville)** 1981 Winter;2(4):437–40
Effects of beta-(Tyr9)melanotropin-(9–18) decapeptide on passive and active avoidance behavior and on open-field activity of rats. Vécsei L, et al. **Peptides (Fayetteville)** 1981 Winter;2(4):389–91
The effects of melatonin on open field behavior. Golus P, et al. **Pharmacol Biochem Behav** 1981 Dec;15(6):883–5

Antagonism of morphine-induced behavioral suppression by opiate receptor alkylators. Messing RB, et al. **Pharmacol Biochem Behav** 1982 Apr;16(4):621–6

Taurine diet decreases spontaneous and increases exploratory activity of spontaneously hypertensive rats. Liljequist R, et al. **Pharmacol Res Commun** 1982 Mar;14(3):247–56

Cholecystokinin reduces exploratory behavior in mice. Crawley JN, et al. **Physiol Behav** 1981 Sep;27(3):407–11

Central administration of arginine vasotocin: effects on exploratory behavior in the rat. King MG, et al. **Psychopharmacology (Berlin)** 1982;76(1):40–3

Effects of methamphetamine on novelty-seeking behaviour by mice. Misslin R, et al. **Psychopharmacology (Berlin)** 1981; 75(1):39–43

[Effect of ethanol on memory of exploratory behavior in mice] Torre E, et al. **Minerva Psichiatr** 1981 Oct–Dec; 22(4):173–5 **(Ita)**

[Evaluation of the activity on the mouse CNS of several plant extracts and a combination of them] Della Loggia R, et al. **Riv Neurol** 1981 Sep–Oct;51(5):297–310 (14 ref.) (Eng. Abstr.) **(Ita)**

[A metrical analysis of exploratory behavior in mice: effects of methamphetamine and diazepam (author's transl)] Nakamura K, et al. **Nippon Yakurigaku Zasshi** 1981 Jul; 78(1):1–8 (Eng. Abstr.) **(Jpn)**

PHYSIOLOGY

Locomotor hyperactivity and hypoexploration after lesion of the dopaminergic-A10 area in the ventral mesencephalic tegmentum (VMT) of rats. Gaffori O, et al. **Behav Brain Res** 1980 Aug;1(4):313–29

Olfactory regulation of responsiveness to novelty in mice. Misslin R, et al. **Behav Neural Biol** 1981 Oct;33(2):230–6

Feedback in pulse rate change and divergent affective reactions for high and low sensation-seekers. Stern GS, et al. **Biofeedback Self Regul** 1981 Sep;6(3):315–26

Subspecies differences in curiosity and general activity for developing squirrel monkeys. Roy MA, et al. **Dev Psychobiol** 1981 Jan;14(1):55–8

Habituation of startle response, lick suppression, and exploratory behavior in rats with hippocampal lesions. Leaton RN. **J Comp Physiol Psychol** 1981 Oct;95(5):813–26

Involvement of hippocampal serotonergic activity in age-related changes in exploratory behavior. Brennan MJ, et al. **Neurobiol Aging** 1981 Fall;2(3):199–203

Responses to novelty and changes in behavior across a 3-week postoperative period in hippocampal-lesioned mice. Misslin R, et al. **Physiol Behav** 1981 Sep;27(3):413–8

Evidence that electrolytic median raphe lesions increase locomotion but not exploration. Wirtshafter D, et al. **Physiol Behav** 1982 May;28(5):749–54

Sensation seeking and psychophysiological responses to auditory stimulation. Ridgeway D, et al. **Psychophysiology** 1981 Nov;18(6):613–8

The relationship of excessive exploratory behavior in wakefulness to paradoxical sleep without atonia. Morrison AR, et al. **Sleep** 1981 Sep;4(3):247–57

[Interhemispheric asymmetry of motor and exploratory activity in the mouse] Bianki VL, et al. **Zh Vyssh Nerv Deiat** 1982 May–Jun;32(3):442–5 **(Rus)**

[Hypothalamo-hippocampal mechanisms in the organization of orienting-explorational behavior in the exaltation period of ontogeny] Nikitina GM, et al. **Zh Vyssh Nerv Deiat** 1981 May–Jun;31(3):604–15 (Eng. Abstr.) **(Rus)**

EXPLOSIONS

see related
BLAST INJURIES

Preventing fireworks blindness. Wilson RS. **Am J Ophthalmol** 1982 May;93(5):654–6

Plastic surgery and civilian casualties due to 'terrorist' activities. Golan J, et al. **Ann Plast Surg** 1982 May; 8(5):359–62

Influence of oral mannitol bowel preparation on colonic microflora and the risk of explosion during endoscopic diathermy. Keighley MR, et al. **Br J Surg** 1981 Aug; 68(8):554–6

A systematic procedure for the identification of post-explosion samples of commercial blasting explosives. Hayes TS. **J Forensic Sci Soc** 1981 Oct;21(4):307–16

The terrorist bomb explosion in Bologna, Italy, 1980: an analysis of the effects and injuries sustained. Brismar B, et al. **J Trauma** 1982 Mar;22(3):216–20

Combat casualties in Northern Thailand: emphasis on land mine injuries and levels of amputation. Johnson DE, et al. **Milit Med** 1981 Oct;146(10):682–5

Bombs for kicks. Casswell A, et al. **Practitioner** 1982 Jan; 226(1363):111–9

[Experimental study and clinical application of micro-explosion in treating bladder stone (author's transl)] Xu MC. **Chung Hua I Hsueh Tsa Chih** 1981 Jun;61(6):341–4 (Eng. Abstr.) **(Chi)**

[Intestinal gas explosion during operation: possible role of mannitol: a case report (author's transl)] Adloff M, et al. **Chirurgie** 1981 Jun;107(7):493–6 (Eng. Abstr.) **(Fre)**

[Colonic explosion during an endoscopic electrocoagulation after preparation with mannitol [letter] Raillat A, et al. **Gastroenterol Clin Biol** 1982 Mar;6(3):301–2 **(Fre)**

[Pressure effects on the human body in explosions and their results] Michelis J. **Beitr Gerichtl Med** 1981;39:327–33 (Eng. Abstr.) **(Ger)**

[Bomb attack at the Octoberfest, Munich, 1980. Course, analysis, results] Konzert-Wenzel J, et al. **Fortschr Med** 1981 Sep 24;99(36):1423–7 **(Ger)**

[Studies on the application of microexplosion to medicine and biology. VI. The pressure profile of blast wave in air by detonation of a lead azide charging chamber (author's transl)] Kondo K. **Nippon Hinyokika Gakkai Zasshi** 1981 Jun;72(6):662–8 (Eng. Abstr.) **(Jpn)**

PREVENTION & CONTROL

Ocular trauma from lead-acid vehicle battery explosions. Siebert S. **Aust J Ophthalmol** 1982 Feb;10(1):53–61

How to prevent burns from an exploding battery [letter] Blattel RA. **Can Med Assoc J** 1981 Aug 1;125(3):243

EXTENDED CARE FACILITIES see **SKILLED NURSING FACILITIES**

EXTINCTION (PSYCHOLOGY)

Extinction of a conditioned taste aversion in young, mid-aged, and aged C57/BL6 mice. Springer AD, et al. **Behav Neural Biol** 1981 Jul;32(3):282–94

Overlearning and instructional control of extinction of vasomotor responding. Eaglen A, et al. **Behav Res Ther** 1982;20(1):41–8

Extinction of the orienting response in symptomatic (post-meningoencephalitic) epilepsy. Rogozea R, et al. **Neurol Psychiatr (Bucur)** 1982 Jan–Mar;20(1):43–55

Partial reinforcement and extinction of vasomotor conditioning. A test of cognitive and two-factor theories. Eaglen A, et al. **Pavlov J Biol Sci** 1981 Apr–Jun; 16(2):108–17

[Facilitation of the retention and acceleration of operant conditioning extinction after cingulate cortex lesions in BALB/c mice] Destrade C, et al. **C R Seances Acad Sci [III]** 1981 Dec 21;293(15):843–6 (Eng. Abstr.) **(Fre)**

DRUG EFFECTS

Evidence suggesting that DMI-induced resistance to extinction is not mediated by the dorsal noradrenergic bundle. Willner P, et al. **Brain Res** 1982 Apr 22; 238(1):251–3

Chlordiazepoxide-induced released responding in extinction and punishment-conflict procedures is not altered by neonatal forebrain norepinephrine depletion. Bialik RJ, et al. **Pharmacol Biochem Behav** 1982 Feb;16(2):279–83

Effects of TRH on acquisition and extinction of shuttlebox-avoidance behavior in Fischer344 rats. Tamaki Y, et al. **Pharmacol Biochem Behav** 1982 Jun;16(6):943–7

Failure to obtain functional equivalence between dopamine receptor blockade and extinction: evidence supporting a sensory-motor conditioning hypothesis. Tombaugh TN, et al. **Pharmacol Biochem Behav** 1982 Jan;16(1):67–72

Behavioural changes during withdrawal from desmethylimipramine (DMI). II. Increased resistance to extinction. Willner P, et al. **Psychopharmacology (Berlin)** 1981;75(1):60–4

PHYSIOLOGY

Hippocampal cellular plasticity during extinction of classically conditioned nictitating membrane behavior. Berger TW, et al. **Behav Brain Res** 1982 Jan;4(1):63–76

Acquisition and extinction of continuously and partially reinforced running in rats with lesions of the dorsal noradrenergic bundle. Owen S, et al. **Behav Brain Res** 1982 May;5(1):11–41

The temporal structure of motivation IV: A reexamination of extinction effects in intracranial reward. Katz RJ. **Behav Neural Biol** 1981 Jun;32(2):191–200

Tactile extinction: distinguishing between sensorimotor and motor asymmetries in rats with unilateral nigrostriatal damage. Schallert T, et al. **Pharmacol Biochem Behav** 1982 Mar;16(3):455–62

[Effect of the state of activation of the cerebral hemisphere on sensory extinction. A study in 10 patients with right hemisphere lesions (author's transl)] Larmande P, et al. **Rev Neurol (Paris)** 1981;137(4):285–90 (Eng. Abstr.) **(Fre)**

[Internal inhibition in rats after destruction of amygdaloid complex nuclei] Bogach PG, et al. **Zh Vyssh Nerv Deiat** 1981 Jul–Aug;31(4):771–9 (Eng. Abstr.) **(Rus)**

[Discriminative and extinctive inhibition of alimentary conditioned reflexes against a background of electric stimulation of the parietal cortex] Danilova LK. **Zh Vyssh Nerv Deiat** 1981 Sep–Oct;31(5):933–40 (Eng. Abstr.) **(Rus)**

[Interrelation between signal and reinforcing stimuli at the cellular level during extinction of motor conditioned reflexes] Kopytova FV, et al. **Zh Vyssh Nerv Deiat** 1982 Jan–Feb;32(1):32–8 (Eng. Abstr.) **(Rus)**

[Relation between extinction of motor responses in rabbits to repetitive photic stimuli and experimental procedures] Revina SK, et al. **Zh Vyssh Nerv Deiat** 1981 Nov–Dec; 31(6):1301–4 **(Rus)**

EXTRACELLULAR FLUID see **EXTRACELLULAR SPACE**

EXTRACELLULAR SPACE

Fluid pressure and fibrinolytic activity in implanted subcutaneous and intramuscular capsules. Matsuo O, et al. **Acta Physiol Lat Am** 1979;29(2-3):123–30

Continuity of intracellular channels with extracellular space in adipose tissue and liver: demonstrated with tannic acid and lanthanum. Blanchette-Mackie EJ, et al. **Anat Rec** 1982 Jun;203(2):205–19

Extracellular matrix vessels in human osteogenic neoplasms: an ultrastructural and enzymatic study. Sela J, et al. **Cancer** 1981 Oct 1;48(7):1602–10

Body fluid volumes in the spontaneously hypertensive rat. Bianchi M, et al. **Clin Sci** 1981 Dec;61(6):685–91

Effect of alterations in extracellular fluid volume on urinary kallikrein in the conscious rat. Marks ES, et al. **Hypertension** 1982 Sep–Oct;4(5):625–33

Role of extracellular volume expansion in the development of DOC-salt hypertension in the rat. Villamil MF, et al. **Hypertension** 1982 Sep–Oct;4(5):620–4

The effect of antidiuretic stimuli on the morphology of the lateral intercellular spaces in the medullary collecting duct of the rat. Rowen D, et al. **J Anat** 1981 Sep;133(Pt 2):197–203

Dynamic mechanical properties of medical grade silicone elastomer stored in simulated body fluids. Ward TC, et al. **J Biomed Mater Res** 1981 Jul;15(4):511–21

Glomerular filtration rate and extracellular fluid volume in insulin-dependent patients with diabetes mellitus. Brøchner-Mortensen J, et al. **Kidney Int** 1982 May; 21(5):696–8

A comparative analysis of extracellular fluid volume of several tissues as determined by six different markers. Smith QR, et al. **Life Sci** 1981 Aug 3;29(5):449–56

Comparison of oral and intravenous radiosulfate spaces in dialysis patients. Adam WR. **Nephron** 1982;30(3):271–3

ANALYSIS

Albumin concentration and colloid osmotic pressure of interstitial fluid collected by wick technique from rat skeletal muscle. Evaluation of the method. Reed RK. **Acta Physiol Scand** 1981 May;112(1):1–5

Interstitial fluid volume, colloid osmotic and hydrostatic pressures in rat skeletal muscle. Effect of venous stasis and muscle activity. Reed RK. **Acta Physiol Scand** 1981 May; 112(1):7–17

Synthesis and use of radio cobaltic EDTA as an extracellular marker in rabbit heart. Bridge JH, et al. **Am J Physiol** 1982 Apr;242(4):H671–6

Extra- and intracellular water spaces in muscles of man at rest and with dynamic exercise. Sjøgaard G, et al. **Am J Physiol** 1982 Sep;243(3):R271–80

Regulation of growth and differentiation of epithelial cells by hormones, growth factors, and substrates of extracellular matrix. Reid L, et al. **Ann NY Acad Sci** 1981;372:354–70

Effects of heat and cold exposure and exercise on the interstitial fluid proteins of the rat. Coetzee JH, et al. **Comp Biochem Physiol [A]** 1982;72(2):437–40

Continuous monitoring of interstitial fluid potassium during hemorrhagic shock in dogs. McKinley BA, et al. **Crit Care Med** 1981 Dec;9(12):845–51

Study of subretinal intercellular space. Lai YL, et al. **Exp Eye Res** 1982 Jan;34(1):7–14

Limitations of Gullino-type chambers for collection of interstitial proteins from human tumour xenografts: a histological and theoretical study. Lewis JC, et al. **Exp Pathol** 1981;20(2):79–87

Techniques and applications of extracellular space determination in mammalian tissues. Law RO. **Experientia** 1982 Apr 15;38(4):411–21 (210 ref.)

Composition of fluids from diffusion chambers implanted in the soft tissue and kidneys of rabbits. Schmook FP, et al. **Infection** 1980;8(4):156–61

Extracellular matrix proteins characterize human tumor cell lines. Alitalo K, et al. **Int J Cancer** 1981 Jun 15;27(6):755–61

Extracellular matrix. Hay ED. **J Cell Biol** 1981 Dec;91(3 Pt 2):205s–223s (245 ref.)

High-performance liquid chromatographic methods for base and nucleoside analysis in extracellular fluids and in cells. Simmonds RJ, et al. **J Chromatogr** 1981 Dec 11; 226(2):369–81

Comparison of extracellular space in the mature and aging rat brain using a new technique. Rees S, et al. **J Neurol Sci** 1982 Feb;53(2):347–57

Native banded collagen fibrils in the glomerular mesangial matrix of normal human and laboratory animals. Carlson EC, et al. **J Ultrastruct Res** 1981 Dec;77(3):241–7

Electron optical and analytical observations of rat growth plate cartilage prepared by ultracryomicrotomy: the failure to detect a mineral phase in matrix vesicles and the identification of heterodispersed particles as the initial solid phase of calcium phosphate deposited in the extracellular matrix. Landis WJ, et al. **J Ultrastruct Res** 1982 Mar; 78(3):227–68

The ultrastructural visualization of cell surface glycoconjugates. Bayer EA, et al. **Methods Enzymol** 1982; 83 Pt D:195–215

Extracellular potassium concentration and membrane potential in rabbit gastrocnemius muscle during tourniquet ischemia. Jennische E, et al. **Pflugers Arch** 1982 Feb; 392(4):335–9

Structural analysis of extracellular matrix prior to the

migration of cephalic neural crest cells. Bolender DL, et al. **Scan Electron Microsc** 1981;(Pt 2):285–96 (58 ref.)

Endocardial cushion tissue development: structural analyses on the attachment of extracellular matrix to migrating mesenchymal cell surfaces. Markwald RR, et al. **Scan Electron Microsc** 1981;(Pt 2):261–74 (49 ref.)

[Components of edematous fluid] Yabuki S, et al. **Nippon Rinsho** 1982;40(3):543–7 **(Jpn)**

[Role of extracellular pO2 and pCO2 in membrane mechanisms regulating cerebral artery smooth muscle] Azin AL. **Fiziol Zh SSSR** 1981 Nov;67(11):1652–60 (Eng. Abstr.) **(Rus)**

[Concentration of plasma proteins in the subcutaneous connective tissue of the extremities in the dog] Murzamadieva AA, et al. **Fiziol Zh SSSR** 1981 Oct; 67(10):1558–60 **(Rus)**

[Determination of body and tissue extracellular space using complexons] Gusev GP, et al. **Lab Delo** 1981;(6):327–30 (Eng. Abstr.) **(Rus)**

DRUG EFFECTS

Fine structure of the intercellular space of psoriatic epidermis during retinoid (RO 10-9359) and retinoid–PUVA treatment. Kanerva L, et al. **Acta Derm Venereol (Stockh)** 1981;61(4):319–28

Removal of extracellular materials by HCL–tween treatment. Shimada T, et al. **Arch Histol Jpn** 1981 May;44(2):189–92

Blood pressure, body fluid volumes and glomerular filtration rate during treatment with labetalol in essential hypertension. Rasmussen S, et al. **Br J Clin Pharmacol** 1981 Sep;12(3):349–53

ENZYMOLOGY

Association of the synaptic form of acetylcholinesterase with extracellular matrix in cultured mouse muscle cells. Inestrosa NC, et al. **Cell** 1982 May;29(1):71–9

Effects of glucose concentration n biomass, maximum specific growth rate and extracellular enzyme production by three species of cutaneous Propionibacteria grown in continuous culture. Greenman J, et al. **J Gen Microbiol** 1981 Dec;127 (Pt 2):371–6

Non-toxic inhibition of extracellular tumor enzymes—potential in cancer therapy. McCarty MF. **Med Hypotheses** 1982 Mar;8(3):303–10

Identification and partial characterization of an extracellular acid phosphatase activity of Leishmania donovani promastigotes. Gottlieb M, et al. **Mol Cell Biol** 1982 Jan; 2(1):76–81

IMMUNOLOGY

Association of murine leukemia virus gag antigen with extracellular matrices in productively infected mouse cells. Edwards SA, et al. **Virology** 1982 Jan 15;116(1):306–17

METABOLISM

Bath osmolality: effect on water permeability of epithelial tissue. Lau YT, et al. **Am J Physiol** 1982 Mar; 242(3):C184–91

Ventral medullary extracellular fluid pH and blood flow during hypoxia. Nolan WF, et al. **Am J Physiol** 1982 Mar; 242(3):R195–8

Regulation of extracellular fluid volume and osmolality. Abbrecht PH. **Ann Biomed Eng** 1980;8(4–6):461–72

Restricted diffusion of extracellular potassium at the neuromuscular junction of aged rats. Smith DO. **Brain Res** 1982 May 13;239(2):668–73

Methotrexate levels in the interstitial space and seminiferous tubule of rat testis. Riccardi R, et al. **Cancer Res** 1982 May; 42(5):1617–9

Acetylcholinesterase in cat megakaryocyte. Evidence for extracellular secretion. Keyhani E, et al. **Cell Biol Int Rep** 1981 Aug;5(8):805–12

K+ fluctuations in the extracellular spaces of cardiac muscle. Evidence from the voltage clamp and extracellular K+ – selective microelectrodes. Cohen I, et al. **Circ Res** 1982 Jan;50(1):1–16 (75 ref.)

Prediction of the change in extracellular sodium concentration in hyperglycemia complicated by severe losses of water and solute [letter] Tzamaloukas AH. **Clin Chem** 1982 Jul;28(7):1722–4

Interstitial fluid: exchange of macromolecules between plasma and skin interstitium. Rossing N, et al. **Clin Physiol** 1981 Jun;1(3):275–84

Radionuclide assessment of extravascular lung water in minimal pulmonary oedema. Critchley M, et al. **Clin Radiol** 1981 Nov;32(6):607–9

Bile acid profiles of human serum and skin interstitial fluid and their relationship to pruritus studied by gas chromatography–mass spectrometry. Bartholomew TC, et al. **Clin Sci** 1982 Jul;63(1):65–73

Rat interstitial fluid proteins. Coetzee JH, et al. **Comp Biochem Physiol [A]** 1982;72(1):173–8

Effect of extracellular pH on the redox state of isolated rat renal cortical tubules as determined by fluorescence spectroscopy. Lowry M, et al. **Contrib Nephrol** 1982; 31:115–21

Glycosaminoglycans in the basal lamina and extracellular matrix of the developing mouse mammary duct. Silberstein GB, et al. **Dev Biol** 1982 Mar;90(1):215–22

Protein binding of drugs in plasma, interstitial fluid and tissues: effect on pharmacokinetics. Faed EM. **Eur J Clin Pharmacol** 1981;21(1):77–81

Stimulus-induced changes in extracellular Na+ and Cl- concentration in relation to changes in the size of the extracellular space. Dietzel I, et al. **Exp Brain Res** 1982; 46(1):73–84

Distribution of a 100K dalton glucose-regulated cell surface protein in mammalian cell cultures and sectioned tissues. McCormick PJ, et al. **Exp Cell Res** 1982 Mar;138(1):63–72

Effect of matrix on responsiveness of cartilage cells to normal human serum. Kumar N. **Indian J Biochem Biophys** 1981 Oct;18(5):378–9

Interstitial concentration of antibiotics. Peterson L, et al. **J Antimicrob Chemother** 1981 Nov;8(5):425

Changes of extracellular space in hypoxia. Go KG, et al. **J Cereb Blood Flow Metab** 1982;2 Suppl 1:S14–8

Effect of injected human chorionic gonadotrophin on capillary permeability, extracellular fluid volume and the flow of lymph and blood in the testes of rats. Setchell BP, et al. **J Endocrinol** 1981 Nov;91(2):245–54

Effect of the ratio of surface area to volume on the penetration of antibiotics in to extravascular spaces in an in vitro model. Van Etta LL, et al. **J Infect Dis** 1982 Sep; 146(3):423–8

Heterogeneity of interstitial fluid space demonstrated by simultaneous kinetic analysis of the distribution and elimination of inulin and gallamine. Henthorn TK, et al. **J Pharmacol Exp Ther** 1982 Aug;222(2):389–94

Ion diffusion modified by tortuosity and volume fraction in the extracellular microenvironment of the rat cerebellum. Nicholson C, et al. **J Physiol (Lond)** 1981 Dec;321:225–57

Sulfated glycoproteins and extracellular matrix of cultured human pulmonary endothelial cells. Heifetz A, et al. **J Supramol Struct Cell Biochem** 1981;15(4):359–67

On a boundary condition of extracellular ion transport. Ferrier JM. **J Theor Biol** 1981 Nov 21;93(2):495–6

Proteoglycan changes in the intercellular matrix of human colon carcinoma: an integrated biochemical and stereologic analysis. Iozzo RV, et al. **Lab Invest** 1982 Aug;47(2):124–38

Tumor extracellular matrix. Liotta LA. **Lab Invest** 1982 Aug; 47(2):112–3

The cause of venous ulceration [letter] **Lancet** 1982 Aug 21; 2(8295):437–8

Extracellular fluid proteins of goldfish brain: studies of concentration and labeling patterns. Shashoua VE. **Neurochem Res** 1981 Oct;6(10):1129–47

Ionic mechanisms of alpha-autoinhibition of [3H]noradrenaline secretion in guinea-pig vas deferens: possible role of extracellular sodium. Stjärne L. **Neuroscience** 1981;6(12):2759–71

Carbon dioxide, extracellular pH and fibre water in frog skeletal muscle. Huguenin F. **Pflugers Arch** 1982 Jan; 392(3):277–8

Concentration of renin in the renal interstitium, as reflected in lymph. O'Morchoe CC, et al. **Renal Physiol** 1981; 4(4):199–206

Penetration of antibiotics into subcutaneous tissue fluid wih special reference to a new modified thread sampling technique. Hoffstedt B. **Scand J Infect Dis [Suppl]** 1981; 30:1–33

[Experimental gastric ulcer produced by the reduction of HCO3- concentration in the extracellular fluid (author's transl)] Hiramatsu K, et al. **Nippon Shokakibyo Gakkai Zasshi** 1981 May;78(5):1122 **(Jpn)**

[Effect of diuretics on electrolyte and non-electrolyte penetration of intercellular spaces] Lebedev AA, et al. **Farmakol Toksikol** 1981 May–Jun;44(3):309–14 (Eng. Abstr.) **(Rus)**

[Volume regulation following experimental acute reduction in the mass of renal parenchyma] Konovchuk VN. **Patol Fiziol Eksp Ter** 1981 Sep–Oct;(5):47–51 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

Renin and body fluid volumes in chronic renal disease. Relations between arterial pressure, plasma renin activity, blood volume, and extracellular volume in chronic renal disease, as compared with essential hypertension. Boer P, et al. **Acta Med Scand** 1981;210(3):207–12

Interstitial fluid, lymph and oedema formation. Szabó G, et al. **Acta Physiol Acad Sci Hung** 1980;56(4):367–78

Interstitial fluid volume, colloid osmotic and hydrostatic pressures in rat skeletal muscle. Effect of hypoproteinemia. Reed RK. **Acta Physiol Scand** 1981 Jun;112(2):141–7

Compliance of the interstitial space in rats. I. Studies on hindlimb skeletal muscle. Reed RK, et al. **Acta Physiol Scand** 1981;113(3):297–305

Compliance of the interstitial space in rats. II. Studies on skin. Wiig H, et al. **Acta Physiol Scand** 1981;113(3):307–15

Effect of tilting on blood pressure and interstitial fluid pressures of bluefish and smooth dogfish. Ogilvy CS, et al. **Am J Physiol** 1982 Jan;242(1):R70–6

A subcutaneous capsule for long-term studies. Senay LC Jr, et al. **Am J Physiol** 1981 Dec;241(6):F687–91

The effects of dehydration on the dynamics of transcapillary refill. Barrientos T, et al. **Am Surg** 1982 Aug;48(8):412–6

Reduced oncotic pressure after shock: a proposed mechanism. Lucas CE, et al. **Arch Surg** 1982 May; 117(5):675–9

Physicochemical changes during haemorrhage and following infusion. Aono K, et al. **Br J Anaesth** 1981 Sep;53(9):973–9

Extracellular calcium and action potentials of soma and dendrites of hippocampal pyramidal cells. King GL, et al. **Brain Res** 1981 Dec 7;226(1–2):339–43

Initial report on combined in vivo single cell recording and intracellular staining. Haskins JT, et al. **Brain Res Bull** 1981 Nov;7(5):479–85

Effect of tissue anisotropy on extracellular potential fields in canine myocardium in situ. Roberts DE, et al. **Circ Res** 1982 Mar;50(3):342–51

Effects of changes in extracellular ionic concentrations on aortic baroreceptors with nonmyelinated afferent fibers. Thoren P, et al. **Circ Res** 1982 Mar;50(3):413–8

Intracellular and extracellular components involved in the formation of ventral surfaces of fibroblasts. Birchmeier W, et al. **Cold Spring Harbor Symp Quant Biol** 1982;46 (Pt 2):755–67

Extracellular matrix materials influence quail neural crest cell differentiation in vitro. Loring J, et al. **Dev Biol** 1982 Mar; 90(1):165–74

Extracellular potentials in the proximity of the excitable fibres. Trayanova NA, et al. **Electromyogr Clin Neurophysiol** 1982 May–Jun; 22(4):291–301

Tritiated water (HTO) and inulin spaces in isolated skeletal and cardiac muscles: influence of contractile activity. Cappelli V, et al. **Experientia** 1981;37(8):849–50

Osmoregulation and interstitial fluid pressure changes in humans during water immersion. Khosla SS, et al. **J Appl Physiol** 1981 Sep;51(3):686–92

Effect of interstitial fluid (kerosene) on pressure-volume characteristics of rat lung. Urmey WF, et al. **J Appl Physiol** 1982 Jan;52(1):260–6

Interstitial fluid flow as a factor in decubitus ulcer formation. Reddy NP, et al. **J Biomech** 1981;14(12):879–81

Influence of collagen gel on the orientation of epithelial cell polarity: follicle formation from isolated thyroid cells and from preformed monolayers. Chambard M, et al. **J Cell Biol** 1981 Oct;91(1):157–66

Basal lamina formation on thyroid epithelia in separated follicles in suspension culture. Garbi C, et al. **J Cell Biol** 1982 Aug;94(2):489–92

Fibronectin-independent adhesion of fibroblasts to the extracellular matrix: mediation by a high molecular weight membrane glycoprotein. Harper PA, et al. **J Cell Biol** 1981 Dec;91(3 Pt 1):647–53

Role of fibronectin in collagen deposition: Fab' to the gelatin-binding domain of fibronectin inhibits both fibronectin and collagen organization in fibroblast extracellular matrix. McDonald JA, et al. **J Cell Biol** 1982 Feb;92(2):485–92

Changes in the components of extracellular matrix and in growth properties of cultured aortic smooth muscle cells upon ascorbate feeding. Schwartz E, et al. **J Cell Biol** 1982 Feb;92(2):462–70

Response of basal epithelial cell surface and Cytoskeleton to solubilized extracellular matrix molecules. Sugrue SP, et al. **J Cell Biol** 1981 Oct;91(1):45–54

K+ changes in the extracellular space of the spinal cord and their physiological role. Syková E. **J Exp Biol** 1981 Dec;95:93–109

The effects of hypercapnia on intracellular and extracellular acid–base status in the toad Bufo marinus. Toews DP, et al. **J Exp Biol** 1982 Apr;97:79–86

Slowing of sodium channel opening kinetics in squid axon by extracellular zinc. Gilly WF, et al. **J Gen Physiol** 1982 Jun;79(6):935–64

Extracellular current flow and the site of transduction by vertebrate hair cells. Hudspeth J. **J Neurosci** 1982 Jan; 2(1):1–10

The specificity of extracellular glycoprotein complexes in mediating cellular adhesion. Schubert D, et al. **J Neurosci** 1982 Jan;2(1):82–9

Effect of subarachnoid hemorrhage on the extracellular microenvironment. Hubschmann OR, et al. **J Neurosurg** 1982 Feb;56(2):216–21

Posthemorrhagic changes in plasma water and extracellular fluid volumes in the rat. Larsson M, et al. **J Trauma** 1981 Oct;21(10):870–7

Dynamics of the plasma–interstitial fluid distribution and transcapillary pressure difference. Miki K. **Jpn J Physiol** 1981;31(6):917–29

Transvascular fluid shift after blood volume modification in relation to compliances of the total vascular bed and interstitial fluid space. Morimoto T, et al. **Jpn J Physiol** 1981;31(6):869–78

Intravascular and extracellular volumes in the diabetic rat. Ilstrup KM, et al. **Life Sci** 1981 Aug 17;29(7):717–24

Mechanical factors determining pulmonary interstitial fluid pressure. Lai-Fook SJ. **Lung** 1982;160(4):175–86 (47 ref.)

Fluid spaces in canine bone and marrow. Morris MA, et al. **Microvasc Res** 1982 Mar;23(2):188–200

Chronic elevation of endoneurial fluid pressure is associated with low-grade fiber pathology. Low PA, et al. **Muscle Nerve** 1982 Feb;5(2):162–5

Renal fluoride excretion: experimental evaluation of the role of extracellular volume status during intact and impaired kidney function. Schiffl H, et al. **Nephron** 1981; 29(5–6):245–9

Cell–matrix interactions in development and neoplasia. Ruoslahti E. **Oncodev Biol Med** 1981;2(4):295–303 (74 ref.)

Extracellular matrix promotes mammary epithelial growth and differentiation in vitro. Wicha MS, et al.

Proc Natl Acad Sci USA 1982 May;79(10):3213-7

[Regulation of extracellular acid–base balance in animals (author's transl)] Truchot JP. **J Physiol (Paris)** 1981; 77(4–5):529–80 (397 ref.) (Eng. Abstr.) **(Fre)**

[Interstitial fluid and lymphatic circulation] Ohhashi T, et al. **Nippon Rinsho** 1982;40(3):530–5 **(Jpn)**

[Local factors responsible for causing edema—changes in the volume of interstitial fluid] Sato T. **Nippon Rinsho** 1982; 40(3):508–13 **(Jpn)**

[Regulation of the volume of extracellular space in kidney insufficiency caused by a partial resection of kidney parenchyma] Konovchuk VN. **Biull Eksp Biol Med** 1982 Mar;93(3):55–7 **(Rus)**

[Changes in the extravascular fluid in the lungs during the treatment of congestive left ventricular failure in chronic ischemic heart disease] Morgunov NB, et al. **Klin Med (Mosk)** 1982 May;60(5):59–63 **(Rus)**

PHYSIOPATHOLOGY

Interstitial fluid dynamics in conscious renal hypertensive rats. Trippodo NC. **Am J Physiol** 1982 Mar;242(3):H376–80

EXTRACHROMOSOMAL INHERITANCE

Maternal effects in mice: influence of parents' and offspring's genotypes. le Pape G, et al. **Behav Genet** 1981 Jul; 11(4):379–84

Holt–Oram syndrome: penetrance of the gene and lack of maternal effect. Gladstone I Jr, et al. **Clin Genet** 1982 Feb; 21(2):98–103

Genetic analysis of tumorigenesis. VIII. Suppression of SV40 transformation in cell hybrids and cytoplasmic transferants. Howell N, et al. **Cytogenet Cell Genet** 1981;31(4):214–27

Nucleocytoplasmic relations in a mutator–suppressor system of Drosophila ananassae. Hinton CW. **Genetics** 1981 May; 98(1):77–90

Hybrid dysgenesis in Drosophila melanogaster: the genetics of cytotype determination in a neutral strain. Kidwell MG. **Genetics** 1981 Jun;98(2):275–90

Deletion analysis of the tumorous–head (tuh–3) gene in Drosophila melanogaster. Kuhn DT, et al. **Genetics** 1981 Sep;99(1):99–107

Genetics of inbred Drosophila melanogaster. V. Genetic and cytoplasmic effects on primary non–disjunction and chromosome loss. Lüning KG. **Hereditas** 1982;96(1):101–4

Cytoplasmic inheritance and intragenomic conflict. Cosmides LM, et al. **J Theor Biol** 1981 Mar 7;89(1):83–129

Non–genetic inheritance in cells: an important frontier [editorial] Finckh ES. **Med J Aust** 1982 Jul 10;2(1):6–7

Protein synthesis in microsurgically produced androgenetic and gynogenetic mouse embryos. Petzoldt U, et al. **MGG** 1981;184(1):11–6

Epifluorescent microscopic evidence for maternal inheritance of chloroplast DNA. Kuroiwa T, et al. **Nature** 1982 Jul 29;298(5873):481–3

Mutants of Chlamydomonas reinhardtii with physical alterations in their chloroplast DNA. Myers AM, et al. **Plasmid** 1982 Mar;7(2):133–51

Inheritance of DNA methylation in microinjected eggs of Xenopus laevis. Harland RM. **Proc Natl Acad Sci USA** 1982 Apr;79(7):2323–7

[Episome stability in Escherichia coli K–12] Sokolova EV, et al. **Genetika (Moskva)** 1982 Feb;18(2):199–206 (Eng. Abstr.) **(Rus)**

DRUG EFFECTS

[Chromosomal and extrachromosomal localization of amplified genes in colchicine–resistant cells] Kopnin BP, et al. **Dokl Akad Nauk SSSR** 1982;262(4):993–7 **(Rus)**

EXTRACORPOREAL CIRCULATION

Haemostatic changes during open heart surgery with extracorporeal circulation and deep hypothermia in children. Wyss M, et al. **Anaesthesist** 1982 Feb;31(2):82–6

Hemotherapy during surgery for Jehovah's witnesses: a new method. Lichtiger B, et al. **Anesth Analg (Cleve)** 1982 Jul; 61(7):618–9

Reduction of myocardial infarct size in swine: a comparative study of intraaortic balloon pumping and transapical left ventricular bypass. Takanashi Y, et al. **Ann Thorac Surg** 1981 Nov;32(5):475–85

Platelets and extracorporeal circulation. Addonizio VP, et al. **Biomaterials** 1982 Jan;3(1):9–15 (80 ref.)

Plasma catecholamine levels during extracorporeal circulation in children. Yamashita M, et al. **Can Anaesth Soc J** 1982 Mar;29(2):126–9

An evaluation of the standard bubble time technique for the measurement of extracorporeal blood flow. Zasuwa GA, et al. **Clin Exp Dial Apheresis** 1981;5(3):235–50

Protective effect of inosin in protracted artificial circulation in experiment. Stupin IV, et al. **Cor Vasa** 1981;23(5):381–8

Effectiveness of stroma–free hemoglobin solution as seen in a right heart bypass swine model. Moores WY, et al. **Crit Care Med** 1982 Apr;10(4):279–82

Extracorporeal pump assistance—novel treatment for acute lidocaine poisoning. Freedman MD, et al. **Eur J Clin Pharmacol** 1982;22(2):129–35

Plasma perfusion over immobilized protein A from Staphylococcus aureus for treatment of cancer: observations on the evolution of plasma perfusion systems. Terman DS. **Int J Artif Organs** 1982 Mar;5(2):77–80

Effect of PGI2 infusion during long term extracorporeal circulation with membrane lung in sheep. Uziel L, et al. **Int J Artif Organs** 1981 May;4(3):142–5

Mobilization and removal of methylmercury in the dog during extracorporeal complexing hemodialysis with 2,3–dimercaptosuccinic acid (DMSA). Kostyniak PJ. **J Pharmacol Exp Ther** 1982 Apr;221(1):63–8

Early correction of cardiac anomalies using extracorporeal circulation. Mok CK, et al. **J R Coll Surg Edinb** 1982 Jan; 27(1):33–7

Release of lysosomal hydrolases during simulated extracorporeal circulation. Addonizio VP Jr, et al. **J Thorac Cardiovasc Surg** 1982 Jul;84(1):28–34

Establishment of right ventricle—hypoplastic pulmonary artery continuity without the use of extracorporeal circulation. Puga FJ, et al. **J Thorac Cardiovasc Surg** 1982 Jan;83(1):74–80

Intra–ocular pressure levels during extracorporeal circulation in man. Lilleaasen P, et al. **Scand J Thorac Cardiovasc Surg** 1982;16(1):51–3

Doppler ultrasound estimation of bubble removal by various arterial line filters during extracorporeal circulation. Semb BK, et al. **Scand J Thorac Cardiovasc Surg** 1982;16(1):55–62

An enzymatic system for removing heparin in extracorporeal therapy. Langer R, et al. **Science** 1982 Jul 16; 217(4556):261–3

Pulmonary embolectomy with the aid of extracorporeal circulation. Satter P. **Thorac Cardiovasc Surg** 1982 Feb; 30(1):31–5

[Intracardiac operations under extracorporeal circulation without use of banked blood (author's transl)] Feng ZR. **Chung Hua Wai Ko Tsa Chih** 1981 Aug;19(8):481–4 **(Chi)**

[Blood levels of factor XIII following extracorporeal circulation: biochemical significance of observed levels] Commin P, et al. **Agressologie** 1982 Mar;23(1):33–6 (Eng. Abstr.) **(Fre)**

[Extracorporeal extraction of carbon dioxide gas. Experimental study] Gattinoni L. **Ann Anesthesiol Fr** 1981; 22(5):465–6 **(Fre)**

[Advantages of dobutamine after open–heart surgery. Report on one hundred cases (author's transl)] Helmer J, et al. **Ann Chir** 1981 Oct;35(8):533–9 (Eng. Abstr.) **(Fre)**

[Clinical study of prostacyclin in extracorporeal circulation. Effects on hemodynamics and coagulation] Fabiani JN, et al. **Arch Mal Coeur** 1982 Mar;75(3):241–8 (Eng. Abstr.) **(Fre)**

[Delirium following heart surgery with extracorporeal circulation: clinical aspects and observations in a specialized center] Morin P, et al. **Can J Psychiatry** 1982 Feb;27(1):31–9 (Eng. Abstr.) **(Fre)**

[The behaviour of the granular alveocytes in chronic pulmonary congestion, pulmonary fibrosis and after extracorporeal circulation (author's transl)] Anyanwu E, et al. **Anaesthesist** 1981 Sep;30(9):481–8 (Eng. Abstr.) **(Ger)**

[Systolic time intervals during increasing left ventricular filling pressure following extracorporeal circulation. A comparative impedance–cardiographical study (author's transl)] van Deyk K, et al. **Anaesthesist** 1981 Nov; 30(11):555–60 (Eng. Abstr.) **(Ger)**

[Cardiac and vascular effects of midazolam during induction of anesthesia prior to and during extracorporeal circulation in coronary–surgical patients (author's transl)] Schleussner E, et al. **Arzneimittelforsch** 1981;31(12a):2232–5 (Eng. Abstr.) **(Ger)**

[Changes in plasma ADH levels during neuroleptic analgesia snd extracorporeal circulation] Weidler B, et al. **Med Welt** 1982 Jun 4;33(22):820–2 **(Ger)**

[Surgical management of pulmonary embolism, caused by a foreign body, under extracorporeal circulation] Thomka I. **Orv Hetil** 1981 Aug 9;122(32):1964–6 **(Hun)**

[Electromagnetic flowmetry in open heart surgery (author's transl)] Tsuji T. **Iyodenshi To Seitai Kogaku** 1981 Dec; 19(7):533–9 (18 ref.) **(Jpn)**

[Comparative study of lung– and mucosal–derived heparin therapy during extracorporeal circulation (author's transl)] Itaoka T, et al. **Kyobu Geka** 1981 Sep;34(9):682–6 (Eng. Abstr.) **(Jpn)**

[Effect of PGI2 during extracorporeal circulation] Matsukura H, et al. **Kyobu Geka** 1981 Feb;34(2):113 **(Jpn)**

[The use of packed red cells during extracorporeal circulation (author's transl)] Miyazawa S, et al. **Kyobu Geka** 1981 Oct; 34(10):781–4 (Eng. Abstr.) **(Jpn)**

[Clinical evaluation of Poloxamer 188 (extraocorpol) as a prophylactic for hemolysis in excorporeal circulation by double–blind method (author's transl)] Ohishi K, et al. **Kyobu Geka** 1981 May;34(5):346–51 (Eng. Abstr.) **(Jpn)**

[Fluosol–DA in extracorporeal circulation – an experimental study (author's transl)] Ozono H, et al. **Kyobu Geka** 1981 Oct;34(10):776–80 (Eng. Abstr.) **(Jpn)**

[Hemodynamics and gas exchange during prolonged ECMO in dogs (author's transl)] Tsuno K, et al. **Masui** 1981 Nov; 30(11):1209–15 (Eng. Abstr.) **(Jpn)**

[The study on the blood and water balance after open heart surgery using extracorporeal circulation in infant under 12 months of age with ventricular septal defect (author's transl)] Irisawa T, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1981 Jun;29(6):998–1004 (Eng. Abstr.) **(Jpn)**

[The evaluation of hepatic function during extracorporeal circulation using indocyanine green (author's transl)] Ooi T. **Nippon Kyobu Geka Gakkai Zasshi** 1982 Mar; 30(3):325–41 (Eng. Abstr.) **(Jpn)**

[Clinical observation of vital signs in animals under prolonged extracorporeal membrane oxygenation and histological examination of the lungs (author's transl)] Yamashiro K, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1981 Sep; 29(9):1445–51 (Eng. Abstr.) **(Jpn)**

[Use of trasylol as an inhibitor of proteases of the fibrinolysis system during extracorporeal circulation] Masiak M, et al. **Folia Med Cracov** 1980;22(3–4):455–61 (Eng. Abstr.) **(Pol)**

[Use of prostaglandins in extracorporeal circulation and hemodialysis] Zaorska B. **Pol Tyg Lek** 1981 Jun 8; 36(23):857–60 (42 ref.) **(Pol)**

[Changes in hemoglobin affinity in venous blood induced by oxygen and phosphatemia during extracorporeal circulation] Fagundes ML, et al. **Arq Bras Cardiol** 1981 May;36(5):321–7 (Eng. Abstr.) **(Por)**

[Cerebrospinal fluid dynamics, electrolyte composition and acid–base equilibrium in acquired heart defect patients during operations under artificial circulation] Avrutskiĭ MIa, et al. **Anesteziol Reanimatol** 1982 Jan–Feb;(1):22–6 (Eng. Abstr.) **(Rus)**

[Modern concepts of the role of pulsatile flow during artificial circulation] Kharnas SSh, et al. **Anesteziol Reanimatol** 1982 Jan–Feb;(1):59–64 (36 ref.) (Eng. Abstr.) **(Rus)**

[Effect of artificial circulation on clinical pharmacokinetics of morphine used as the main anesthetic during heart surgery] Lepakhin VK, et al. **Farmakol Toksikol** 1982 May–Jun;45(3):89–92 **(Rus)**

[Systemic vascular reactions to a decrease in volumetric blood flow velocity during artificial circulation] Orlov VV, et al. **Fiziol Zh SSSR** 1982 Jan;68(1):72–8 (Eng. Abstr.) **(Rus)**

[Monitoring of the oxygen balance during prolonged artificial circulation] Ioseliani GD, et al. **Grudn Khir** 1982;1:32–7 **(Rus)**

[Metabolism and structure of cardiac muscle at different levels of hypothermic protection of the myocardium] Korolev BA, et al. **Grudn Khir** 1982 May–Jun;(3):14–20 (Eng. Abstr.) **(Rus)**

[Pathogenesis of anemia in patients subjected to surgery involving the use of artificial circulation] Tereshchenko SN, et al. **Grudn Khir** 1982 May–Jun;(3):22–8 (Eng. Abstr.) **(Rus)**

[Respiratory hypoxia as a heart failure complication in patients with acquired heart defects operated on with artificial circulation and its treatment by artificial pulmonary ventilation with positive expiratory pressure] Tsyganiĭ AA, et al. **Kardiologiia** 1981 Nov;21(11):59–63 (Eng. Abstr.) **(Rus)**

[Functional liver disorder in operations on the organ under regional artificial circulation] Shapkin VS, et al. **Klin Khir** 1981 Sep;(9):19–22 **(Rus)**

[Comparative evaluation of perfusions in the correction of congenital and acquired heart defects] Savichevskiĭ MS, et al. **Probl Gematol Pereliv Krovi** 1982;27(1):7–12 (Eng. Abstr.) **(Rus)**

[Cardiac surgery with extracorporeal circulation in Jehovah's Witnesses] Iglesias A, et al. **Rev Esp Cardiol** 1981; 34(5):367–70 **(Spa)**

ADVERSE EFFECTS

Structural changes in the heart due to mechanical perfusion. Török B, et al. **Acta Chir Acad Sci Hung** 1980;21(1):11–24

Prevention by ticlopidine of platelet consumption during extracorporeal circulation for heart surgery and lack of effect on operative and postoperative bleeding. Installe E, et al. **J Cardiovasc Pharmacol** 1981 Nov–Dec;3(6):1174–83

[Prevention and treatment of hypokalemia during and after intracardiac surgery under extracorporeal circulation. I. Determination of urinary potassium and study on the optimal dosage for potassium replacement (author's transl)] Su HX. **Chung Hua I Hsueh Tsa Chih** 1982 Apr;62(4):224–8 (Eng. Abstr.) **(Chi)**

[Hypopotassemia after extracorporeal circulation with hemodilution technic (author's transl)] Feng ZR. **Chung Hua Wai Ko Tsa Chih** 1982 Mar;20(3):161–4 (Eng. Abstr.) **(Chi)**

[Water–electrolyte balance after extracorporeal circulation in normothermia and hypothermia] Estanove S, et al. **Minerva Dietol Gastroenterol** 1981 Jul–Sep;27(3):387–93 (38 ref.) **(Fre)**

[Immunological changes following heart surgery under extracorporeal circulation (author's transl)] Genetet N, et al. **Nouv Presse Med** 1982 Feb 6;11(6):433–7 (Eng. Abstr.) **(Fre)**

[Serum immune complexes and cardiopulmonary bypass. A review of thirty–four cases (author's transl)] Herreman G, et al. **Sem Hop Paris** 1982 May 20;58(20):1251–5 (Eng. Abstr.) **(Fre)**

[Immunologic evaluation of patients under extracorporal circulation] Manni C, et al. **Minerva Med** 1982 Apr 28; 73(18):1241–5 **(Ita)**

[Haptoglobin–treatment for severe hemoglobinemia after heart valve replacement (author's transl)] Kei J, et al. **Kyobu Geka** 1982;35(4):300–4 (Eng. Abstr.) **(Jpn)**

[Diagnosis of intracranial hemorrhages after operations under artificial circulation] Kuz'menko VM. **Vrach Delo** 1982 Apr;(4):73–4 **(Rus)**

INSTRUMENTATION

Polytetrafluoroethylene and anodized aluminum surfaces in an extracorporeal circuit: scanning electron microscopic study. Berglin E, et al. **Artif Organs** 1982 Feb;6(1):54–7

CO2 removal through a microporous membrane lung. Barthelemy R, et al. **Int J Artif Organs** 1982 May; 5(3):149–52

Blood trauma during extracorporeal circulation: a comparison between two bubble and two membrane oxygenators in a standardized dog model. Volkmer I, et al. **Thorac Cardiovasc Surg** 1981 Oct;29(5):323–7

[Experimental study of pulsatile assist device –effects on cardiac function and myocardial metabolism (author's transl)] Takiya H. **Nippon Kyobu Geka Gakkai Zasshi** 1981 Oct;29(10):1625–34 (Eng. Abstr.) **(Jpn)**

METHODS

Hemodynamics and energy balance of the left ventricle during low flow venoarterial bypass and venoarterial counterpulsation with an oxygenator in experimental animals. Ruschewski W, et al. **Thorac Cardiovasc Surg** 1981 Dec;29(6):399–404

Prostacyclin ii. lieu of anticoagulation with heparin for extracorporeal circulation. Addonizio VP, et al. **Trans Am Soc Artif Intern Organs** 1981;27:304–7

Reversal of terminal acute respiratory failure by low frequency positive pressure ventilation with extracorporeal removal of CO2 (LFPPV–ECCO2R). Gattinoni L, et al. **Trans Am Soc Artif Intern Organs** 1981;27:289–93

Low frequency positive pressure ventilation with extracorporeal CO2 removal (LEPPV–ECCO2R) in acute respiratory failure (ARF): technique. Pesenti A, et al. **Trans Am Soc Artif Intern Organs** 1981;27:263–6

[Perventricular aortic perfusion in extracorporeal circulation (author's transl)] Xu EM. **Chung Hua Hsin Hsueh Kuan Ping Tsa Chih** 1981 Sep; 9(3):182–3 **(Chi)**

[Automatic pressure limited extra-corporeal circulation (APLEC) (author's transl)] Hino T, et al. **Kokyu To Junkan** 1981 Sep;29(9):983–95 (Eng. Abstr.) **(Jpn)**

[Prolonged veno-arterial bypass for cardiac failure after Senning operation in a child (author's transl)] Tachimori Y, et al. **Kyobu Geka** 1982;35(6):483–6 (Eng. Abstr.) **(Jpn)**

[Experimental studies on the peripheral circulation and morphological changes during pulsatile and nonpulsatile cardiopulmonary bypass (author's transl)] Funami M, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1981 Aug; 29(8):1305–15 (Eng. Abstr.) **(Jpn)**

[An experimental study of cardiac lymph: with special reference to global ischemia of the heart (author's transl)] Yamashita M. **Nippon Kyobu Geka Gakkai Zasshi** 1981 Oct; 29(10):1635–45 (Eng. Abstr.) **(Jpn)**

STANDARDS

[Causes of variability of oxygen consumption during artificial circulation] Smirnov LS, et al. **Anesteziol Reanimatol** 1982 Mar–Apr;(2):36–8 **(Rus)**

VETERINARY

Freeze-preserved baboon red blood cells: effects of biochemical modification and perfusion in vitro. Valeri CR, et al. **Am J Vet Res** 1981 Sep;42(9):1590–4

EXTRACORPOREAL DIALYSIS see **HEMODIALYSIS**

EXTRACRANIAL–INTRACRANIAL ARTERIAL BYPASS see **CEREBRAL REVASCULARIZATION**

EXTRACTION, OBSTETRICAL

The vacuum extractor--a re-appraisal. DeCosta C. **Ir J Med Sci** 1981 Dec;150(12):372–5

Vacuum extraction deliveries [letter] Newman C. **Obstet Gynecol** 1982 May;59(5):670–1

[Instrumental deliveries in Denmark during the years 1970–1978] Jessen P. **Ugeskr Laeger** 1982 Feb 8; 144(6):417–20 (Eng. Abstr.) **(Dan)**

[Statistical data on abortions performed in 1979 in a Belgian out-patient clinic (author's transl)] Vekemans M, et al. **Rev Med Brux** 1981 Nov;2(9):851–64 (Eng. Abstr.) **(Fre)**

ADVERSE EFFECTS

The vacuum extractor--a re-appraisal. DeCosta C. **Ir J Med Sci** 1982 Apr;151(4):105–8

INSTRUMENTATION

Preliminary report: a clinical appraisal of the McGoldrick rotational vacuum extractor. McGoldrick IA. **Papua New Guinea Med J** 1981 Jun;24(2):131–4

METHODS

Use of the vacuum extractor for delivery of the fetal head at cesarean section [letter] Nakano R. **Am J Obstet Gynecol** 1981 Oct 15;141(4):475–6

Rotational delivery of the fetus: Kielland's forceps and two other methods compared. Healy DL, et al. **Br J Obstet Gynaecol** 1982 Jul;89(7):501–6

The vacuum extractor for obstetric delivery. Halme J, et al. **Clin Obstet Gynecol** 1982 Mar;25(1):167–75

Menstrual regulation at University College Hospital, Ibadan, Nigeria. Ojo OA, et al. **Int Surg** 1981 Jul–Sep;66(3):247–9

EXTRAMARITAL RELATIONS see under **SEX BEHAVIOR**

EXTRAORAL TRACTION APPLIANCES see under **ORTHODONTIC APPLIANCES, REMOVABLE**

EXTRAORDINARY TREATMENT see **LIFE SUPPORT CARE**

EXTRAPYRAMIDAL DISORDERS see **BASAL GANGLIA DISEASES**

EXTRAPYRAMIDAL TRACTS

PHYSIOLOGY

Interactions between GABA, dopamine, acetylcholine, and glutamate-containing neurons in the extrapyramidal and limbic systems. Bartholini G, et al. **Adv Biochem Psychopharmacol** 1981;30:119–28

[Synaptic excitation of reticulospinal neurons during the startle reaction in cats anesthetized with chloralose] Gokin AP, et al. **Neirofiziologiia** 1981;13(6):594–603 (Eng. Abstr.) **(Rus)**

EXTRASENSORY PERCEPTION see **PARAPSYCHOLOGY**

EXTRASYSTOLE

BLOOD

[Clinicobiochemical characteristics of children with a stable extrasystole] Zhemaitaitite IuS, et al. **Pediatriia** 1982 Mar; (3):30–2 **(Rus)**

CHEMICALLY INDUCED

Desipramine and premature ventricular contractions [letter] Gorman JM. **Am J Psychiatry** 1982 Jan;139(1):142

CLASSIFICATION

A classification of ventricular ectopic beats. Rabkin SW, et al. **J Electrocardiol** 1982 Jan;15(1):55–60

COMPLICATIONS

Permanent right bundle-branch block heralded by intermittent block and ventricular extrasystoles. A 13-year observation. Watanabe Y, et al. **Br Heart J** 1982 Aug; 48(2):184–8

Atrial bigeminy with block associated with bradycardia and paroxysmal atrial fibrillation — an important variant of the tachycardia–bradycardia syndrome. Washington HG, et al. **Clin Cardiol** 1979 Apr;2(2):126–30

[A case of frequent multifocal ventricular premature contractions in hypothyroidism (author's transl)] Katafuchi R, et al. **Nippon Naika Gakkai Zasshi** 1981 Jun 10; 70(6):881–7 **(Jpn)**

DIAGNOSIS

Ventricular tachycardia inititated by late-coupled ventricular extrasystoles: the concept of longitudinal dissociation in the microreentry pathway. Kinoshita S, et al. **Am Heart J** 1982 Jun;103(6):1090–5 (32 ref.)

Evaluation of postextrasystolic T wave alterations in identification of patients with coronary artery disease or left ventricular dysfunction. Leachman DR, et al. **Am Heart J** 1981 Oct;102(4):658–63

The case of the unstable preoperative ECG before aortic valve replacement. Hancock EW. **Hosp Pract** 1981 Nov; 16(11):30, 36

Electrocardiogram of the month. Ventricular premature beats in bigeminy. Martinez-Lopez JI. **J La State Med Soc** 1981 Dec;133(12):193–5

Sudden death during ambulatory electrocardiography [letter] Møller M, et al. **Lancet** 1981 Nov 14;2(8255):1117–8

[Significance of ventricular extrasystole] Lomholt P. **Ugeskr Laeger** 1981 Jul 6;143(28):1751–4 (Eng. Abstr.) **(Dan)**

[Proposed experimental design for the study of the spontaneous variability of ventricular ectopic beats in normal young subjects] Damiani S, et al. **Boll Soc Ital Cardiol** 1980;25(11):1293–5 **(Ita)**

[Evaluation with dynamic ECG of the spontaneous and circadian variations of the frequency of complicated ventricular extrasystole] Naccarella F, et al. **Boll Soc Ital Cardiol** 1980;25(5):525–31 (Eng. Abstr.) **(Ita)**

[Incidence and prognostic implication of repetitive ventricular premature contractions detected by Holter monitoring (author's transl)] Chino M, et al. **J Cardiogr** 1981 Dec;11(4):1215–22 (Eng. Abstr.) **(Jpn)**

[UCG observation of multiple ventricular extrasystole] Kotake H, et al. **Nippon Rinsho** 1981 Aug;39(8):2903–7 **(Jpn)**

[Significance of ventricular extrasystole found in myocardial infarct patients in the late hospital phase for the vital prognosis] Mazur NA, et al. **Kardiologiia** 1981 Sep; 21(9):88–94 (Eng. Abstr.) **(Rus)**

[Cases of pediatric electrocardiography. Atrial extrasystole] Villavicencio R. **Bol Asoc Med PR** 1981 Oct;73(10):503–5 **(Spa)**

DRUG THERAPY

Antiarrhythmic effect of imipramine hydrochloride in patients with ventricular premature complexes without psychological depression. Giardina EG, et al. **Am J Cardiol** 1982 Jul;50(1):172–9

Mexiletine, a new antiarrhythmic agent, for treatment of premature ventricular complexes. Mehta J, et al. **Am J Cardiol** 1982 Feb 1;49(2):455–60

Aprindine in premature ventricular contractions post myocardial infarction. Lessem J. **Chin Med J [Engl]** 1981 Aug;94(8):518–22

[Propafenon and propranolol in the management of cardiac extrasystoles (author's transl)] Beck OA, et al. **Dtsch Med Wochenschr** 1982 Apr 16;107(15):579–83 (Eng. Abstr.) **(Ger)**

[Antiarrhythmic efficacy of mexiletine, propafenone and flecainide in ventricular premature beats. A comparative study in patients after myocardial infarction (author's transl)] Klempt HW, et al. **Z Kardiol** 1982 May;71(5):340–9 (Eng. Abstr.) **(Ger)**

[Cordichin in the treatment of ventricular extrasystole and tachycardial rhythm disorders] Jancke T. **ZFA (Stuttgart)** 1982 Mar 20;58(8):488–92 **(Ger)**

[Comparison of disopyramide and atenolol in the therapy of stabilized ventricular extrasystole in patients with mitral valve prolapse] Capucci A, et al. **G Ital Cardiol** 1981; 11(4):498–505 (Eng. Abstr.) **(Ita)**

[Dynamic electrocardiography evaluation of the effectiveness of prajmalium bitartrate, disopyramide and procainamide in patients with stabilized ventricular extrasystole] Naccarella F, et al. **G Ital Cardiol** 1981;11(3):338–44 (Eng. Abstr.) **(Ita)**

[Activity of a new long-acting anti-arrhythmic drug on ventricular extrasystole. Study with Holter continuous electrocardiographic monitoring] Romano S, et al. **G Ital Cardiol** 1981;11(5):657–62 (Eng. Abstr.) **(Ita)**

[Prajmaline in the treatment of arrhythmia] Tkaczewski W, et al. **Pol Tyg Lek** 1981 Jul 27;36(30):1145–7 (Eng. Abstr.) **(Pol)**

[Evaluation of propafenon in Chagas patients with ventricular extrasystole] da Silva MA, et al. **Arq Bras Cardiol** 1981 Jun;36(6):437–40 (Eng. Abstr.) **(Por)**

[Antiarrhythmic action of nitroglycerin on extrasystoles due to the administration of the alpha-adrenomimetic mezaton in unanesthetized cats] Dugin SF, et al. **Kardiologiia** 1982 Jan;22(1):103–5 **(Rus)**

[Comparative effectiveness of ethmozine, mexitil, quinidine and obsidan in the treatment of ventricular rhythm disorders] Kurbanov RD, et al. **Kardiologiia** 1981 Oct; 21(10):59–64 (Eng. Abstr.) **(Rus)**

[Intravenous administration of potassium hydrocarbonate in arrhythmia] Shul'tsev GP, et al. **Klin Med (Mosk)** 1981 Feb;59(2):73–7 (Eng. Abstr.) **(Rus)**

ETIOLOGY

[Ventricular extrasystoles in the convalescence phase of myocardial infarction. Relation to angiographic data] Bounhoure JP, et al. **Arch Mal Coeur** 1982 Jun;75(6):633–9 (Eng. Abstr.) **(Fre)**

[Does every patient with acute myocardial infarct have ventricular extrasystole during the early hospitalization period?] Borbola J, et al. **Orv Hetil** 1982 Feb 28; 123(9):527–31 **(Hun)**

[A case of pseudocardiopathy caused by pectus excavatum] Pelucco D, et al. **Arch E Maragliano Patol Clin** 1978; 34(2):215–7 **(Ita)**

[Arrhythmia caused by endoscopy of the upper digestive tract] Deptulski T, et al. **Pol Tyg Lek** 1981 Sep 28; 36(39):1517–8 (Eng. Abstr.) **(Pol)**

[Phenomenon of extra-premature extrasystole (clinico-experimental study)] Briskin VP, et al. **Kardiologiia** 1981 Oct;21(10):102–3 **(Rus)**

[Rhythmographic study of the frequency dependence of extrasystole in ischemic heart disease] Ianushkevichus ZI, et al. **Kardiologiia** 1981 Oct;21(10):43–6 (Eng. Abstr.) **(Rus)**

OCCURRENCE

[Observations and significance of extrasystole in very young athletes] Rossini G, et al. **Acta Biomed Ateneo Parmense** 1982;53(2):85–9 (Eng. Abstr.) **(Ita)**

[Incidence of ventricular arrhythmia and the degree of myocardial necrosis determined by CK-MB isoenzyme level in recent myocardial infarct] Opolski G, et al. **Kardiol Pol** 1981;24(7):487–92 (Eng. Abstr.) **(Pol)**

PHYSIOPATHOLOGY

Repetitive ventricular response [letter] Fleischmann DW, et al. **Am J Cardiol** 1982 Mar;49(4 Pt 2):1086–8

Role of early cycle ventricular extrasystoles in initiation of ventricular tachycardia and fibrillation: evaluation of the

R on T phenomenon during acute ischemia in a canine model. Naito M, et al. **Am J Cardiol** 1982 Feb 1; 49(2):317-22

Electrophysiologic mapping to determine the mechanism of experimental ventricular tachycardia initiated by premature impulses. Experimental approach and initial results demonstrating reentrant excitation. Wit AL, et al. **Am J Cardiol** 1982 Jan;49(1):166-85

Mechanism of supraventricular parasystole. Kinoshita S, et al. **Circulation** 1982 Jan;65(1):208-12

Significance and reproducibility of exercise-related idiopathic ventricular arrhythmias. Sonnhag C, et al. **Eur Heart J** 1980 Jun;1(3):183-93

Effects of lidocaine on conduction of extrasystoles in the normal canine heart. Carson DL, et al. **J Cardiovasc Pharmacol** 1981 Sep-Oct;3(5):924-35

The supernormal phase of intraventricular conduction: normalization of intraventricular conduction of premature atrial beats. Klein HO, et al. **J Electrocardiol** 1982 Jan; 15(1):89-97

Identification of the site of origin of ventricular premature beats and its activation sequence by body surface isopotential map. Hayashi H, et al. **Jpn Circ J** 1981 Oct; 45(10):1182-6

[The clinical significance of ventricular premature beats---with analysis of 235 cases (author's transl)] Ouyang BA. **Chung Hua Nei Ko Tsa Chih** 1982 Jan;21(1):19-21 **(Chi)**

[Comparison of data from exercise tests and continuous electrocardiographic recording in patients with ventricular extrasystole. Apropos of 131 cases] Laurent M, et al. **Arch Mal Coeur** 1982 Jun;75(6):653-62 (Eng. Abstr.) **(Fre)**

[Idiopathic ventricular extrasystole : right ventricular parasystole not protected from the sinus rhythm?] Leclercq JF, et al. **Arch Mal Coeur** 1981 Nov;74(11):1249-61 (Eng. Abstr.) **(Fre)**

[Changes in the interval of coupling of ventricular premature beats to fixed coupling, during physical exercise] Molinis G, et al. **Boll Soc Ital Cardiol** 1980;25(11):1271-8 **(Ita)**

[Post-extrasystole phenomenon due to a functional etiology] Vasić V. **Srp Arh Celok Lek** 1981 Oct;109(10):1355-62 **(Scc)**

PREVENTION & CONTROL

[Validation of drug arrhythmia prevention of recurring ventricular extrasystole] Lichtlen PR, et al. **Verh Dtsch Ges Herz Kreislaufforsch** 1981;47:45-57 **(Ger)**

[Effect of various anti-arrhythmia drugs on central hemodynamics during aortocoronary bypass and their effectiveness in the prevention of arrhythmia] Buniatian AA, et al. **Anesteziol Reanimatol** 1981 Jul-Aug;(4):13-7 (Eng. Abstr.) **(Rus)**

EXTRATERRESTRIAL ENVIRONMENT

Comets: chemistry and chemical evolution. Donn B. **J Mol Evol** 1982;18(3):157-60

The atmosphere of Titan. Owen T. **J Mol Evol** 1982; 18(3):150-6

Amino acids from the moon: notes on meteorites. Fox SW, et al. **Subcell Biochem** 1981;8:357-73 (82 ref.)

[Study of the intra- and extracellular electrolyte content in Paramecia cultures carried out during a space flight (author's transl)] Tixador R, et al. **Biochim Biophys Acta** 1981 Dec 7;649(2):175-8 (Eng. Abstr.) **(Fre)**

EXTRAVASATION OF CONTRAST MEDIA

Intravasation of Pantopaque during myelography without associated traumatic tap. Mais TE, et al. **AJNR** 1981 Nov-Dec;2(6):589-90

A rare lymphangiographic complication: contrast-staining of liver and spleen. Vachter J, et al. **Radiol Diagn (Berl)** 1981; 22(5):609-14

[Regional cutaneous impregnation following a fluorescein injection] François JH, et al. **Bull Soc Ophtalmol Fr** 1981 Jun-Jul;81(6-7):671-3 (Eng. Abstr.) **(Fre)**

COMPLICATIONS

GA-67 scintigraphy. Calcium gluconate extravasation. Sty JR, et al. **Clin Nucl Med** 1982 Aug;7(8):377

Tissue necrosis following extravasation of contrast material [letter] Ayre-Smith G. **J Can Assoc Radiol** 1982 Jun; 33(2):104

Arterial obstruction as a complication of barium enema examination. Boevé J. **Neth J Surg** 1981 Aug;33(3):127-30

[Iatrogenic secondary retroperitoneal fibrosis (secondary Ormond disease) caused by contrast medium enema, and the treatment of the resulting hydronephrosis with endourethral splinting ('endoprosthesis')] Stosch M, et al. **Z Urol Nephrol** 1981 Aug;74(8):571-6 (Eng. Abstr.) **(Ger)**

DIAGNOSIS

[Clinical significance of urethrovenous reflux] Skotnikov VI, et al. **Vrach Delo** 1982 Feb;(2):89-91 **(Rus)**

ETIOLOGY

Contrast extravasation through Dacron grafts: a sequela of low-dose streptokinase therapy. Rabe FE, et al. **AJR** 1982 May;138(5):917-20

Spontaneous urinary extravasation during intravenous pyelography. Gold IW, et al. **Ann Emerg Med** 1982 Sep; 11(9):485-6

Extravasation of contrast medium into the gastrointestinal tract following lymphangiography: report of two cases. Mihara K, et al. **Gastrointest Radiol** 1981;6(3):239-42

Extracranial bleeding and extravasation of contrast medium after penetrating head injury. Case report. Bortoluzzi M, et al. **J Neurosurg Sci** 1981 Jan-Mar;25(1):45-8

Rupture of an intracranial aneurysm of the carotid artery with ventricular visualization during angiography. Todorow S, et al. **Neurosurg Rev** 1981;4(2):95-9

[Subpelvic contrast medium extravasation after urography] Brunzema F. **Z Urol Nephrol** 1981 Nov;74(11):835-6 (Eng. Abstr.) **(Ger)**

PHYSIOPATHOLOGY

Epidural haematoma: pathophysiological significance of extravasation and arteriovenous shunting. An analysis of 35 patients. Habash AH, et al. **Acta Neurochir (Wien)** 1982; 60(1-2):7-27

EXTRAVERSION (PSYCHOLOGY)

A structural analysis of self-esteem from pre-adolescence through young adulthood: anxiety and extraversion as agents in the development of self-esteem. Kawash GF. **J Clin Psychol** 1982 Apr;38(2):301-11

Cardiac activity in a simple reaction time task: predictive value of personality measures. Fried R, et al. **Pavlov J Biol Sci** 1981 Jul-Sep;16(3):151-6

Relationship between reversible-figure latencies and scores on two personality scales. Shiomi K. **Percept Mot Skills** 1982 Jun;54(3):803-7

On the relationship between extraversion and aggression. Frost BP. **Psychol Rep** 1981 Dec;49(3):1009-10

Neuroanatomical and physiological foundations of extraversion. Campbell KB, et al. **Psychophysiology** 1981 May;18(3):263-7

[Configuration frequency analysis. XIVb. Treatment-induced symptom pattern-origins in a therapy-waiting group comparison] Krauth J, et al. **Z Klin Psychol Psychother** 1981;29(4):307-14 **(Ger)**

EXTREMITIES

Comparison of computed tomography and angiography in the evaluation of soft tissue tumors of the extremities. Ekelund L, et al. **Acta Radiol [Diagn] (Stockh)** 1982; 23(1):15-27

Distribution of fiber types in locomotory muscles of dogs. Armstrong RB, et al. **Am J Anat** 1982 Jan;163(1):87-98

A radiographic study of the longitudinal growth of primary ossification centers in limb long bones of the human fetus. Bagnall KM, et al. **Anat Rec** 1982 Jun;203(2):293-9

The management of locally recurrent soft-tissue sarcoma. Giuliano AE, et al. **Ann Surg** 1982 Jul;196(1):87-91

The treatment of state I melanoma of the extremities with regional hyperthermic isolation perfusion. Janoff KA, et al. **Ann Surg** 1982 Sep;196(3):316-23

Acral lentiginous melanoma. A clinicopathologic entity. Krementz ET, et al. **Ann Surg** 1982 May;195(5):632-45

The treatment of soft-tissue sarcomas of the extremities: prospective randomized evaluations of (1) limb-sparing surgery plus radiation therapy compared with amputation and (2) the role of adjuvant chemotherapy. Rosenberg SA, et al. **Ann Surg** 1982 Sep;196(3):305-15

Thyroid acropachy complicated by lymphatic obstruction. Rothschild BM, et al. **Arthritis Rheum** 1982 May; 25(5):588-90

Extremity lesions in the Intergroup Rhabdomyosarcoma Study (IRS-I): a preliminary report. Hays DM, et al. **Cancer** 1982 Jan 1;49(1):1-8

Variability of histologic pattern in recurrent soft tissue sarcomas originally diagnosed as liposarcoma. Snover DC, et al. **Cancer** 1982 Mar 1;49(5):1005-15

U.K. and European trials of chemotherapy in osteosarcoma. Bullimore JA. **Cancer Treat Rep** 1981;65 Suppl 1:113-7

High-dose methotrexate in osteogenic sarcoma adjuvant chemotherapy and limb salvage results. Jaffe N, et al. **Cancer Treat Rep** 1981;65 Suppl 1:99-106

Mirror movements in Nigerian children. Ogunmekan AO. **Cent Afr J Med** 1981 Oct;27(10):193-5

Time relationship between the respiratory cycle and limb cycle in the horse. Attenburrow DP. **Equine Vet J** 1982 Jan;14(1):69-72

Clinical use of new linear temperature probes in isolated hyperthermic perfusion of the limbs. Roder JD, et al. **Eur Surg Res** 1982;14(1):27-32

Evaluation of the parallel conductor theory for measuring human limb blood flow by electrical admittance plethysmography. Shimazu H, et al. **IEEE Trans Biomed Eng** 1982 Jan;29(1):1-7

Radiation therapy technique in soft tissue sarcomas of the extremity---policies of treatment at the National Cancer Institute. Tepper J, et al. **Int J Radiat Oncol Biol Phys** 1982 Feb;8(2):263-73

Multidisiciplinary 'limb salvage' treatment of soft tissue and skeletal sarcomas. Weisenburger TH, et al. **Int J Radiat Oncol Biol Phys** 1981 Nov;7(11):1495-9

Varus and valgus [letter] Slone DE Jr. **J Am Vet Med Assoc** 1982 Jan 1;180(1):6, 26

Haemopathological changes in recurrent deep venous thrombosis of the extremities. Sakaguchi S, et al. **J Cardiovasc Surg (Torino)** 1982 Mar-Apr;23(2):117-22

Liquid crystal thermography of the spine and extremities. Its value in the diagnosis of spinal root syndromes. Pochaczevsky R, et al. **J Neurosurg** 1982 Mar;56(3):386-95

Hyperthermic regional perfusion with melphalan and a combination of melphalan and actinomycin D in the treatment of locally metastasized malignant melanomas of the extremities. Martijn H, et al. **J Surg Oncol** 1982 May; 20(1):9-13

Soft tissue sarcoma of limbs: better outlook [news] Bolsen B. **JAMA** 1981 Nov 6;246(18):2007-8

Leg abnormality associated with dietary excessive calcium carbonate in broiler chicks. Ogura Y. **Natl Inst Anim Health Q (Tokyo)** 1981 Fall;21(3):141-7

Aches and limb pain. Passo MH. **Pediatr Clin North Am** 1982 Feb;29(1):209-19

Computed tomography in the preoperative evaluation of masses arising in or near the joints of the extremities. Soye I, et al. **Radiology** 1982 Jun;143(3):727-32

Ultrasonography of the extremities and pelvic girdle and correlation with computed tomography. Yeh HC, et al. **Radiology** 1982 May;143(2):519-25

[Rhabdomyosarcoma of the extremities, Report of 3 cases] Beguin JM, et al. **Acta Orthop Belg** 1981 Jan-Feb; 47(1):104-12 (Eng. Abstr.) **(Fre)**

[Bureau-Barrière's acro-neuropathy. Complementary studies and definition of ante-acropathy status (author's transl)] Planchon B, et al. **Ann Dermatol Venereol** 1982; 109(3):249-53 (Eng. Abstr.) **(Fre)**

[Sympathetic algodystrophic syndromes of the extremities] Dumoulin J, et al. **Electrodiagn Ther** 1981;18(1):5-12 **(Fre)**

[Bone metastases to the extremities. Analysis of 242 cases] Katzner M, et al. **Beitr Orthop Traumatol** 1982 Mar; 29(3):159-69 (Eng. Abstr.) **(Ger)**

[Regional hyperthermic perfusion with cytostatic agents in malignant melanoma of the extremities (author's transl)] Ghussen F, et al. **Dtsch Med Wochenschr** 1981 Nov 27; 106(48):1612-5 (Eng. Abstr.) **(Ger)**

[Radiologic aspects of the congenital arteriovenous malformations, Klippel-Trenaunay type, and Servelle-Martorell type (author's transl)] Langer M, et al. **ROFO** 1982 May;136(5):577-82 (Eng. Abstr.) **(Ger)**

[Differential diagnosis of soft tissue sarcomas of the extremities] Enjoji M. **Nippon Seikeigeka Gakkai Zasshi** 1980 Dec;54(12):1757-65 **(Jpn)**

[Reticulofugal effects in relation to muscles of extremities (author's transl)] Saling M, et al. **Bratisl Lek Listy** 1981 Apr;75(4):400-8 (Eng. Abstr.) **(Slo)**

ABNORMALITIES

Acheiropodia in Junqueiro sonnet? Frota-Pessoa O. **Am J Med Genet** 1981;10(4):407-8

Lapsus---caveat emptor: Coffin-Lowry syndrome vs Coffin-Siris syndrome---an example of confusion compounded [letter] Gorlin RJ. **Am J Med Genet** 1981; 10(1):103-4

Congenital limb deficiencies. Bose K. **Ann Acad Med Singapore** 1981 Oct;10(4):524-43

Congenital abnormalities of the limbs. Fixsen J. **Br J Hosp Med** 1981 Sep;26(3):194, 196-7, 200-3 (32 ref.)

Congenital limb defects classification and treatment. Swanson AB. **Clin Symp** 1981;33(3):1-32

XY Sex-reversed campomelia. Trompeter RS, et al. **Eur J Pediatr** 1981 Sep;137(1):59-61

Absence of proteoglycan core protein in the cartilage mutant nanomelia. Argraves WS, et al. **FEBS Lett** 1981 Aug 31; 131(2):265-8

Increased frequency of tetraploidy in cultured skin fibroblasts from extremities with reduction malformations. Annerén G. **Hereditas** 1982;96(2):255-9

Achondrogenesis. Aithala G, et al. **Indian Pediatr** 1981 Sep; 18(9):672-5

Foetal megakaryoblastic abnormality associated with congenital limb amputation in the br/br rabbit. Ehrensperger M, et al. **J Embryol Exp Morphol** 1981 Apr; 62:109-15

Dactylaplasia in mice a two-locus model for development anomalies. Chai CK. **J Hered** 1981 Jul-Aug;72(4):234-7

The limb deficient child. Green WT Jr. **Pediatr Ann** 1982 Jun;11(6):497-8, 500-1

Early referral to limb deficiency clinics. Angliss V. **Prosthet Orthot Int** 1981 Dec;5(3):141-3

Studies of DNA damage and cell death in embryonic limb buds induced by teratogenic exposure to cyclophosphamide. Manson JM, et al. **Teratogenesis Carcinog Mutagen** 1982;2(1):47-59

The classification and development of cadmium-induced limb defects in mice. Messerle K, et al. **Teratology** 1982 Feb; 25(1):61-70

Polydactyly and polysyndactyly induced by prenatal exposure to ethanol. West JR, et al. **Teratology** 1981 Aug; 24(1):13-8

[Association of deformities of the head and extremities.

Apropos of 15 cases] Brunais B, et al. **Rev Stomatol Chir Maxillofac** 1982;83(1):36–8 (Eng. Abstr.) **(Fre)**

[The relationship between malformations of extremities and segmental neurotomes (author's transl)] Aichner F, et al. **Nervenarzt** 1981 Dec;52(12):703–6 **(Ger)**

[Foetal complications on extremities by amniotic bands—case report (author's transl)] Köhler D, et al. **Zentralbl Gynakol** 1982;104(4):241–5 (Eng. Abstr.) **(Ger)**

[The Cohen syndrome. Presentation of the 1st Italian case] De Toni T, et al. **Minerva Pediatr** 1982 Mar 31;34(6):261–6 (Eng. Abstr.) **(Ita)**

[Poland's syndrome: presentation of two cases diagnosed during the neonatal period (author's transl)] Barboni G, et al. **Pediatr Med Chir** 1981 Nov–Dec;3(6):567–73 (Eng. Abstr.) **(Ita)**

[Congenital contractural aracnodactyly syndrome. Clinical study of two cases (author's transl)] Guarniere J, et al. **Pediatr Med Chir** 1981 Jul–Aug;3(4):331–5 (Eng. Abstr.) **(Ita)**

[Two cases of amniotic band disruption complex (author's transl)] Ronconi GF, et al. **Pediatr Med Chir** 1981 Jul–Aug; 3(4):327–30 (Eng. Abstr.) **(Ita)**

[Goltz syndrome (focal dermal hypoplasia): a case report (author's transl)] Sellitto F, et al. **Pediatr Med Chir** 1981 Nov–Dec;3(6):563–6 **(Ita)**

[2 cases of malformations of a limb in infants of mothers treated with an antiemetic in a very early phase of pregnancy] Soverchia G, et al. **Pediatr Med Chir** 1981 Jan–Feb;3(1):97–9 (Eng. Abstr.) **(Ita)**

[Jeune syndrome and fungal bronchial asthma] Marti E, et al. **Allergol Immunopathol (Madr)** 1982 Mar–Apr; 10(2):131–6 (Eng. Abstr.) **(Spa)**

ANALYSIS

Immunocytochemical localization of fibronectin in limb tissues of the adult newt, Notophthalmus viridescens. Repesh LA, et al. **J Histochem Cytochem** 1981 Aug; 29(8):937–45

ANATOMY & HISTOLOGY

Transplacental effects of 1,25–dihydroxycholecalciferol and of 24,25–dihydroxycholecalciferol on the limb skeleton of fetuses and offspring rats. Zusman I, et al. **Acta Anat (Basel)** 1981;111(4):343–51

Standards for limb bone length ratios in children. Robinow M, et al. **Radiology** 1982 May;143(2):433–6

[Linear measurements of the bones of Lepus brachyurus brachyurus Temminck, Pentalagus furnessi Stone and Oryctolagus cuniculus Linnaeus (JW–NIBS). II. On the Ossa membri thoracici et pelvini (author's transl)] Otsuka J, et al. **Jikken Dobutsu** 1981 Apr;30(2):113–27 (Eng. Abstr.) **(Jpn)**

BLOOD SUPPLY

Response of large hindlimb veins of dog to aortic arch chemoreceptor stimulation. Britton SL, et al. **Am J Physiol** 1982 Jun;242(6):H1050–5

Vascular injuries of the limbs. Downs AR. **Can J Surg** 1982 Mar;25(2):174–6

Peripheral arterial diseases. Verstraete M, et al. **Clin Haematol** 1981 Jun;10(2):669–89 (91 ref.)

Arm and leg intravascular temperatures of men during submaximal exercise. Aulick LH, et al. **J Appl Physiol** 1981 Nov;51(5):1092–7

Photoplethysmographic monitoring of vascular status in burned extremities. Wakim KG, et al. **J Indiana State Med Assoc** 1981 Dec;74(12):790–1

Epidural stimulation for vascular disease of extremities [letter] Cook AW. **J Neurosurg** 1981 Oct;55(4):664

Capacitance plethysmography: validation in an ex vivo human limb model. Norton JA, et al. **J Surg Res** 1982 Feb; 32(2):127–9

The effect of naloxone on some neuroendocrine responses to limb ischaemia. Stoner HB, et al. **Neuropharmacology** 1982 Mar;21(3):221–5

Occlusive peripheral arterial disease. Guidelines for office management. Spittell JA Jr. **Postgrad Med** 1982 Feb; 71(2):137–42, 146, 150–1

Limb circulation in normal subjects and in subjects with chemical or mild diabetes mellitus: its relation to sex, age, body weight, glucose tolerance, insulin response and insulin sensitivity. Berglund B. **Scand J Clin Lab Invest** 1980; 40(8):733–41

[Arterial embolectomy (problems of delayed embolectomy)] Kořistek V, et al. **Rozhl Chir** 1981 Feb;60(2):126–32 (Eng. Abstr.) **(Cze)**

[Acute occlusions of arteries in the extremities] Valenta J, et al. **Rozhl Chir** 1981 Sep;60(9):600–7 (Eng. Abstr.) **(Cze)**

[Revascularization of the limbs and the visceral arteries from the thoracic aorta via an abdominal approach (author's transl)] Bacourt F, et al. **Chirurgie** 1981;107(6):439–46 (Eng. Abstr.) **(Fre)**

[Ultrasonographic control during surgery on congenital arteriovenous fistulae in the limbs (author's transl)] Cormier JM, et al. **Chirurgie** 1981;107(6):424–7 (Eng. Abstr.) **(Fre)**

[Limbs acute ischemia. Late complications of exuberant callus and pseudarthrosis (author's transl)] Mellière D, et al. **J Chir (Paris)** 1981 Nov;118(11):641–5 (Eng. Abstr.) **(Fre)**

[Study of variations in the regional blood volume in the limbs under effort or thermal stress in arterial conditions (author's transl)] Ancri D, et al. **J Mal Vasc** 1981;6(1):61–5 (Eng. Abstr.) **(Fre)**

[Therapeutic approach based on the results of examination of the vascular function in stage II arteriopathy of the limbs] Boccalon H. **J Mal Vasc** 1981;6(1):3–5 (Eng. Abstr.) **(Fre)**

[Radiomorphology of the F.P. Weber type of angiodysplasia] Langer M, et al. **Vasa** 1982;11(1):21–8 (Eng. Abstr.) **(Ger)**

[Current trends in the therapy of acute arterial occlusions of the extremities. Apropos of 72 treated cases] Mariani G, et al. **Chir Ital** 1981 Apr;33(2):419–28 (18 ref.) **(Ita)**

[Embolectomy in acute ischemia of the extremities. Analysis of failures] Giordanengo F, et al. **Minerva Chir** 1981 Oct 31;36(20):1327–32 **(Ita)**

[New trends in the treatment of trophic sequelae post–phlebitic syndrome] Agus GB, et al. **Minerva Med** 1981 Oct 31;72(42):2805–8 (Eng. Abstr.) **(Ita)**

[Epidemiology and social significance of post–phlebitic limb] Scorza R, et al. **Minerva Med** 1981 Oct 31;72(42):2799–804 **(Ita)**

[Vascular surgery of the extremities] Iguchi K. **Nippon Seikeigeka Gakkai Zasshi** 1981 Jan;55(1):101–13 **(Jpn)**

[Acute drug–induced ischemia of the limbs in a young woman with viral hepatitis] Kozakiewicz H, et al. **Pol Tyg Lek** 1981 Sep 14;36(37):1437–8 (Eng. Abstr.) **(Pol)**

[Evaluation of blood flow heterogeneity in the limbs of dogs by hydrogen clearance in venous blood] Zarzhetskiĭ IuV, et al. **Fiziol Zh SSSR** 1981 Jun;67(6):859–64 (Eng. Abstr.) **(Rus)**

[Changes in the peripheral circulation of the extremities in the process of reparative bone regeneration as affected by a low–frequency magnetic field] Mitbreĭt IM, et al. **Vopr Kurortol Fizioter Lech Fiz Kult** 1981 Jul–Aug;(4):24–8 (Eng. Abstr.) **(Rus)**

[Changes in peripheral hemodynamics in patients with vertebrogenic pain syndromes during reflexotherapy] Nikolaev NA. **Zh Nevropatol Psikhiatr** 1982;82(4):45–9 (Eng. Abstr.) **(Rus)**

[Combination of pentoxifylline with other rheologic agents in the treatment of ischemic pain at rest] Aced S, et al. **Angiologia** 1981 Jul–Aug;33(4):203–7 (Eng. Abstr.) **(Spa)**

DRUG EFFECTS

The effect of cyproterone acetate on spermatogenesis and thumb pads of the skipper frog, Rana cyanophlyctis (Schn.). Saidapur SK, et al. **Experientia** 1981 Nov 15; 37(11):1162–3

EMBRYOLOGY

Cartilage differentiation in micro–mass cultures of chicken limb buds. Hadházy C, et al. **Acta Morphol Acad Sci Hung** 1982;30(1):65–78

Dissociated limb bud cells of chick embryos can express lens specificity when reaggregated and cultured in vitro. Kodama R, et al. **Dev Biol** 1982 May;91(1):221–6

Effects of biochemical inhibitors on positional signalling in the chick limb bud. Honig LS, et al. **J Embryol Exp Morphol** 1981 Apr;62:203–16

The role of morphogenetic cell death during abnormal limb–bud outgrowth in mice heterozygous for the dominant mutation Hemimelia–extra toe (Hmx). Knudsen TB, et al. **J Embryol Exp Morphol** 1981 Oct;65 Suppl:289–307

Differential localization of [35S] sulfate within ectodermal basement membrane in relation to initiation of chick limb buds. Lunt DM, et al. **J Embryol Exp Morphol** 1980 Dec; 60:189–99

The effect of removing posterior apical ectodermal ridge of the chick wing and leg on pattern formation. Rowe DA, et al. **J Embryol Exp Morphol** 1981 Oct;65 Suppl:309–25

Evidence for regulation of growth, size and pattern in the developing chick limb bud. Summerbell D. **J Embryol Exp Morphol** 1981 Oct;65 Suppl:129–50

Probability aspects of supernumerary production in the regenerating limbs of the axolotl, Ambystoma mexicanum. Turner RN. **J Embryol Exp Morphol** 1981 Oct;65:119–26

Estimation of creatine phosphokinase and hydroxyproline in the developing limb: its use in evaluating the effect of teratogens on myogenesis and chondrogenesis. Kwasigroch TE, et al. **Teratogenesis Carcinog Mutagen** 1980;1(2):181–91

[Effects of monolateral ablations of the presumptive limb buds on the early developmental phases of the central and peripheral nervous system] Ambrosi G, et al. **Boll Soc Ital Biol Sper** 1981 Dec 15;57(23):2325–30 (Eng. Abstr.) **(Ita)**

GROWTH & DEVELOPMENT

Pattern regulation and the origin of extra parts following axial misalignments in the urodele limb bud. Thoms SD, et al. **J Embryol Exp Morphol** 1980 Dec;60:33–55

Physical growth of Gaddi Rajput boys of Dhaula Dhar Range of the Himalayas. II. Extremities. Singh SP, et al. **Z Morphol Anthropol** 1981;72(2):113–26

INJURIES

Protocol for selecting patients with injured extremities who need X–rays [letter] **N Engl J Med** 1982 Jul 22;307(4):256–7

A protocol for selecting patients with injured extremities who need x–rays. Brand DA, et al. **N Engl J Med** 1982 Feb 11;306(6):333–9

[Management of open injuries of extremities (author's transl)] Tu KY. **Chung Hua Wai Ko Tsa Chih** 1980 Apr;18(2):183–5 **(Chi)**

[Current reconstructive measures for the covering of defects in the extremities] Anderl H, et al. **Chirurg** 1982 Apr; 53(4):235–40 (Eng. Abstr.) **(Ger)**

[Limb injuries. Assessment and emergency management at the site of the accident (author's transl)] Eitel F. **MMW** 1982 Apr 9;124(14):345–9 (Eng. Abstr.) **(Ger)**

[Surgical tactics in wounds of the extremities] Shugarov NA, et al. **Voen Med Zh** 1982 Apr;(4):55–6 **(Rus)**

[Cryotherapy in orthopedics and traumatology] Blažević A. **Med Arh** 1981;35(5–6):295–7 (Eng. Abstr.) **(Scr)**

INNERVATION

Hyperadrenergic–effected limb causalgia: relief by IV pharmacologic norepinephrine blockade [letter] Hannington–Kiff JG. **Am Heart J** 1982 Jan;103(1):152–3

Microdensitometric analysis of denervation effects on newt limb blastema cells. Loyd RM, et al. **Experientia** 1981; 37(9):967–9

Interlimb transfer after adaptation to visual displacement: patterns predicted from the functional closeness of limb neural control centres. Elliott D, et al. **Perception** 1981; 10(4):353–9

[Waldenström's macroglobulinemia and peripheral amyloid neuropathy (author's transl)] Pennec Y, et al. **Ann Med Interne (Paris)** 1981;132(4):257–60 (Eng. Abstr.) **(Fre)**

PATHOLOGY

[Streptococcal gangrene. A report on 9 cases (author's transl)] Lortat–Jacob A, et al. **Rev Chir Orthop** 1981; 67(7):639–45 (Eng. Abstr.) **(Fre)**

PHYSIOLOGY

Scanning electron microscopy of the normal and denervated limb regenerate in the newt, Notophthalmus, including observations on embryonic amphibia limb–bud mesenchyme and blastemas of fish–fin regenerates. Geraudie J, et al. **Am J Anat** 1981 Sep;162(7):73–87

Limb regeneration. Tickle C. **Am Sci** 1981 Nov–Dec; 69(6):639–46 (23 ref.)

Intercalary regeneration in legs of crayfish: distal segments. Mittenthal JE. **Dev Biol** 1981 Nov;88(1):1–14

The rule of normal neighbors: a hypothesis for morphogenetic pattern regulation. Mittenthal JE. **Dev Biol** 1981 Nov;88(1):15–26

Time relationship between the respiratory cycle and limb cycle in the horse. Attenburrow DP. **Equine Vet J** 1982 Jan;14(1):69–72

Effect of limb immobilization on skeletal muscle. Booth FW. **J Appl Physiol** 1982 May;52(5):1113–8 (48 ref.)

Calibration and performance of a 3–dimensional television system for kinematic analysis. Whittle MW. **J Biomech** 1982;15(3):185–96

Energetics and mechanics of terrestrial locomotion. II. Kinetic energy changes of the limbs and body as a function of speed and body size in birds and mammals. Fedak MA, et al. **J Exp Biol** 1982 Apr;97:23–40

The activity of cerebellar neurones of an elasmobranch fish (Scyliorhinus canicula) during a reflex movement of a fin. Paul DH, et al. **J Physiol (Lond)** 1981 Dec;321:369–83

Vitamin A and pattern formation in the regenerating limb. Maden M. **Nature** 1982 Feb 25;295(5851):672–5

PHYSIOPATHOLOGY

[The course of Cockett's disease (author's transl)] Fays JN, et al. **J Mal Vasc** 1981;6(2):117–9 (Eng. Abstr.) **(Fre)**

RADIOGRAPHY

[Arteriography of the equine digit in the standing horse] Stanek C, et al. **Berl Munch Tierarztl Wochenschr** 1982 Mar 1;95(5):87–91 (Eng. Abstr.) **(Ger)**

SURGERY

Mania operativa: an uncommon, unrecognized cause of limb amputation. Hunter GA, et al. **Can J Surg** 1982 Jan; 25(1):92–3

Reconstructive vascular surgery in high–risk patients. Moore DJ, et al. **Ir Med J** 1982 Feb;75(2):43–5

Severed limbs: the reattachment of major segments. Tachakra SS, et al. **J R Coll Surg Edinb** 1981 May;26(3):157–69

Intravenous regional anaesthesia of the bovine foot. Edwards GB. **Vet Rec** 1981 Nov 21;109(21):suppl 13–4

EXTREMITIES, ARTIFICIAL see **ARTIFICIAL LIMBS**

EXUDATES AND TRANSUDATES

see related

PERICARDIAL EFFUSION

An uncommon clinical sign in mucocutaneous lymph node syndrome. Verghote M, et al. **Acta Paediatr Scand** 1981 Jul;70(4):591–3

Australian knee effusion [letter] Eisman JR. **Arthritis Rheum** 1982 Mar;25(3):356

New Zealand knee effusion [letter] Palmer DG.
Arthritis Rheum 1982 Mar;25(3):356–7

Percutaneous drainage of abscesses and fluid collections: technique, results, and applications. vanSonnenberg E, et al. **Radiology** 1982 Jan;142(1):1–10

[Mammary duct ectasia and intraductal papilloma in a pubescent girl (author's transl)] Giraud F, et al.
Ann Chir 1981 Nov;35(9 Pt 1):693–6 (Eng. Abstr.) **(Fre)**

[Postinjury fluid collection in the lesser epiploon of pancreatic origin in a child. Contribution of echotomography] Fouquet C, et al. **Pediatrie** 1981 Dec; 36(8):639–43 (Eng. Abstr.) **(Fre)**

ANALYSIS

Amines in the subretinal fluid and aqueous. Kranias G, et al. **Am J Ophthalmol** 1981 Nov;92(5):672–5

Biochemical and cytological analyses of cystic fluid aspirated by percutaneous puncture under ultrasonic guidance in cystic diseases of the pancreas. Kimura K, et al.
Gastroenterol Jpn 1982;17(1):4–9

Carcinoembryonic-like substance in breast fluid discharge in benign and malignant breast disease and in milk of lactating women. Kahana L, et al. **Isr J Med Sci** 1981 Nov; 17(11):1035–40

Studies on middle ear effusions. Juhn SK. **Laryngoscope** 1982 Mar;92(3):287–91

CYTOLOGY

Function of polymorphonuclear neutrophilic leucocytes. Comparison of leucocytes from blood and exudate in healthy volunteers. Wandall JH.
Acta Pathol Microbiol Immunol Scand [C] 1982 Feb; 90(1):7–13

Brewer thioglycollate medium induces different exudates in guinea pigs and mice. Den Otter W, et al.
Exp Mol Pathol 1982 Jun;36(3):403–13

What is the relevance of exudate-resident macrophages? Beelen RH, et al. **Immunobiology** 1982 Apr;161(3–4):266–73

Macrophages from malignant effusions. Katz DR.
J Pathol 1981 Aug;134(4):279–90

A quantitative cytochemical analysis of resident and exudate macrophages. Papadimitriou JM, et al. **J Pathol** 1981 May; 134(1):27–38

Cytogenetic study of malignant and benign effusions. Musilová J, et al. **Neoplasma** 1981;28(4):463–71

Chronic relapsing experimental allergic encephalomyelitis in the guinea-pig: in-vitro analysis of meningeal inflammatory cells. Allsopp G, et al. **Neuropathol Appl Neurobiol** 1982 Jan–Feb;8(1):63–70

The cytology of joint exudates in rheumatoid arthritis. Morphology and preparation techniques. Bjelle A, et al. **Scand J Rheumatol** 1982;11(2):124–8

[Studies on 'lace' cells in effusions of serous cavity (author's transl)] Liu SF. **Chung Hua Chung Liu Tsa Chih** 1982 Feb; 4(1):11–3 **(Chi)**

[Cell distribution in blood and blister fluid in bullous pemphigoid (author's transl)] Lohrisch I, et al.
Dermatol Monatsschr 1982 Feb;168(2):82–6 (Eng. Abstr.) **(Ger)**

[Microscopic study by reflected light of peritoneal exudates] Callerio Babudieri D, et al. **Riv Emoter Immunoematol** 1980;27(3–4):161–7 **(Ita)**

DRUG EFFECTS

Opiate agonists inhibit neurogenic plasma extravasation in the rat. Barthó L, et al. **Eur J Pharmacol** 1981 Jul 17; 73(1):101–4

[Antiexudative behavior of various triterpene saponins] Jacker HJ, et al. **Pharmazie** 1982 May;37(5):380–2 **(Ger)**

[Correlation of the antiexudative, analgesic and antipyretic components in the action of nonsteroid anti-inflammatory preparations] Shvarts GIa, et al. **Farmakol Toksikol** 1982 Jan–Feb;45(1):46–9 (Eng. Abstr.) **(Rus)**

ENZYMOLOGY

Inhibition of an inflammatory exudate phospholipase A2 by an endogenous inhibitor of polymorphonuclear leucocytes. Authi KS, et al. **Pharmacol Res Commun** 1982 May; 14(5):401–7

IMMUNOLOGY

Epithelial Membrane Antigen. Its use in the cytodiagnosis of malignancy in serous effusions. To A, et al.
Am J Clin Pathol 1982 Aug;78(2):214–9

In vitro production of leucocyte migration inhibitory factor by lymphocytes in exudative pleural effusions. Pettersson T, et al. **J Clin Lab Immunol** 1982 Jun;8(2):107–11

Immunological studies of eluates of 83 rejected kidneys: screening of antibodies directed against T and B lymphocytes, glomerular and tubular basement membranes, DNA, and IgG. Soulillou JP, et al. **Transplantation** 1981 Nov;32(5):368–74

METABOLISM

Chronic immune synovitis in rabbits. I. Immunoglobulin and beta-glucuronidase analyses of synovial tissues and joint exudates. Goldlust MB, et al. **Agents Actions** 1981 Dec; 11(6–7):723–8

Generation of a complement-derived chemotactic factor for tumor cells in experimentally induced peritoneal exudates and its effect on the local metastasis of circulating tumor cells. Orr FW, et al. **Am J Pathol** 1982 Jul;108(1):112–8

A model for the production of large volume exudate from from the implant-tissue interface. Korman NJ, et al.
J Biomed Mater Res 1982 Jan;16(1):87–91

The fate of plasma protein which escapes from blood vessels of the choroid plexus of the rat--an electron microscope study. Hurley JV, et al. **J Pathol** 1981 May;134(1):57–70

MICROBIOLOGY

Cryptococcus neoformans: pitfalls in diagnosis through evaluation of gram-stained smears of purulent exudates. Bottone EJ. **J Clin Microbiol** 1980 Dec;12(6):790–1

[Isolation of bacteroides from the pathological specimens] Baltrashevich AK, et al.
Zh Mikrobiol Epidemiol Immunobiol 1982 Feb;(2):48–51 **(Rus)**

[Pathogenic staphylococci in nasal and bronchial exudate] Knaster Del Olmo J, et al.
Rev Sanid Hig Publica (Madr) 1979 Mar–Apr; 53(3–4):449–56 (Eng. Abstr.) **(Spa)**

PHYSIOLOGY

Effects of sera and exudate from carrageenan-treated rats on two models of acute inflammation. Sedgwick AD, et al. **Agents Actions** 1981 Nov;11(5):477–81

The influence of synovial fluid from patients with rheumatoid arthritis on the proliferation of peripheral blood lymphocytes and the prostanoid release from monocytes. Seitz M, et al. **Agents Actions** 1981 Dec;11(6–7):606–8

Murine macrophage cytotoxicity induced by mastocytoma cells, cell-free mastocytoma exudates, and extracts. Dullens HF, et al. **Immunopharmacology** 1981 Sep;3(3):241–51

Studies on the ability of inflammatory exudate obtained from acute and chronic phases of the inflammatory process to promote leukocyte locomotion in vitro. Sedgwick AD, et al. **Inflammation** 1982 Mar;6(1):13–20

Sensitization by (+) Inpea of rat stomach strip contraction induced by PGE2 or pleural exudates. Capasso F, et al. **Pharmacol Res Commun** 1981 Jul;13(7):705–9

Electromyography of the quadriceps femoris muscles in subjects with normal knees and acutely effused knees. Stratford P. **Phys Ther** 1982 Mar;62(3):279–83

PHYSIOPATHOLOGY

Transudative knee effusions in Milroy's disease. Frayha RA, et al. **J Rheumatol** 1981 Jul–Aug;8(4):670–2

EYE

see related
INTRAOCULAR PRESSURE
REFRACTION, OCULAR
VISION

Illusion that the eye-roll sign is related to hypnotizability. Hilgard ER. **Arch Gen Psychiatry** 1982 Aug;39(8):963–6

Hilgard's illusion [letter] Spiegel D, et al.
Arch Gen Psychiatry 1982 Aug;39(8):972–4

Experiences with fluorophotometry. Brooks AM.
Aust J Ophthalmol 1982 Feb;10(1):41–51

Effects of acidic lake water on the eye. Basu PK, et al.
Can J Ophthalmol 1982 Apr;17(2):74–8

A method for the intraocular injection of micro-volumes in small animal species. Hammond BR, et al.
Curr Eye Res 1981–82;1(11):683–5

Coaxial irrigating instruments [letter] Simcoe CW.
J Am Intraocul Implant Soc 1981 Summer;7(3):261–2

The routine eye examination for the asymptomatic patient age 25–35. Werner DL. **J Am Optom Assoc** 1981 Nov; 52(11):899–903

Abstracts - The Third National Congress of Eye Research. The Japanese chapter of International Society for Eye Research. December 12–13, 1981, Tokyo.
Jpn J Ophthalmol 1982;26(1):85–135

A horizontal or vertical prism bar. Wilson RS.
Ophthalmic Surg 1982 Jun;13(6):507

[The fine structure and innervation of intraocular muscles in sauropsids (author's transl)] Chikuda M.
Nippon Ganka Gakkai Zasshi 1982;86(1):24–35 (Eng. Abstr.) **(Jpn)**

[Stereoscopic representation of the eye in teaching ophthalmology] Zaĭkova MV, et al. **Vestn Oftalmol** 1981 May–Jun;(3):63–4 **(Rus)**

ABNORMALITIES

Malformations of the eye resulting from maternal hypervitaminosis A during gestation in the rat. Padmanabhan R, et al. **Acta Anat (Basel)** 1981;110(4):291–8

Occurrence of cyclopia, myelomeningocele, deafness, and abducens paralysis in siblings. Burck U, et al.
Am J Med Genet 1982 Apr;11(4):443–8

The question of hypertelorism in oculodentoosseous dysplasia [letter] Fará M, et al. **Am J Med Genet** 1981;10(1):101–2

Variable expressivity of autosomal dominant anterior segment mesenchymal dysgenesis in six generations. Hittner HM, et al. **Am J Ophthalmol** 1982 Jan;93(1):57–70

Ocular abnormalities in deletion of the long arm of chromosome 11. Ferry AP, et al. **Ann Ophthalmol** 1981 Dec;13(12):1373–7

An immunohistochemical study of lens development in a mutant small eye and cataractous mouse. Ikeda A, et al.
Arch Histol Jpn 1981 Jul;44(3):237–49

Clinical evaluation of anisocoria [letter] Zito G, et al.
Arch Neurol 1982 Sep;39(9):604

Massive ocular astrocytoma in a congenitally deformed eye. Wolter JR, et al. **Br J Ophthalmol** 1982 Sep;66(9):583–8

Anencephaly. Neetens A, et al. **Bull Soc Belge Ophtalmol** 1980;191:149–56

Ocular findings in arteriohepatic dysplasia (Alagille's syndrome). Romanchuk KG, et al. **Can J Ophthalmol** 1981 Apr;16(2):94–9

Human cyclopia with associated microstoma and and anencephaly (a case report). Gupta RC, et al.
Indian J Ophthalmol 1981 Jul;29(2):121–3

Diffuse mesangial sclerosis and ocular abnormalities in two siblings. Barakat AY, et al. **Int J Pediatr Nephrol** 1982 Mar; 3(1):33–5

Classification of chromosomal eye syndromes. Howard RO. **Int Ophthalmol** 1981 Aug;4(1–2):77–91

Genetics of microphthalmos. Warburg M. **Int Ophthalmol** 1981 Aug;4(1–2):45–65 (212 ref.)

Hypoplasia of the nose and eyes, hyposmia, hypogeusia, and hypogonadotrophic hypogonadism in two males. Bosma JF, et al. **J Craniofac Genet Dev Biol** 1981;1(2):153–84

Head blebs: a new mutation on chromosome 4 of the mouse. Varnum DS, et al. **J Hered** 1981 Jul–Aug;72(4):293

Relationship of oculo-auriculo-vertebral dysplasia with mandibulofacial dysostosis. De PC, et al.
J Indian Med Assoc 1981 Oct 16;77(8):136–7

Pathologic features of the eye in trisomy 9. Ginsberg J, et al. **J Pediatr Ophthalmol Strabismus** 1982 Jul–Aug; 19(4):37–41

Mesenchymal dysgenesis in a patient with Down's syndrome. Orellana J, et al. **J Pediatr Ophthalmol Strabismus** 1982 May–Jun;19(3):144–5

The effect of chronic oral alcoholization upon late fetal development in mice. Checiu M, et al.
Morphol Embryol (Bucur) 1982 Jan–Mar;28(1):15–9

Arteriohepatic dysplasia [letter] Riely CA, et al.
Pediatrics 1981 Sep;68(3):464–5

[Clinical observation on Rieger's syndrome (report of 4 cases) (author's transl)] Deng HJ.
Chung Hua Yen Ko Tsa Chih 1981 Nov;17(6):359–61 **(Chi)**

[Aicardi syndrome: a case possibly caused by congenital rubella] Orquin J. **Can J Ophthalmol** 1981 Oct;16(4):200–2 (Eng. Abstr.) **(Fre)**

[Ophthalmologic findings in trisomy 18 (Morbus Edwards) (author's transl)] Mayer UM, et al.
Graefes Arch Clin Exp Ophthalmol 1982;218(1):46–50 (Eng. Abstr.) **(Ger)**

[Clinical picture and inheritance of ocular symptoms in arteriohepatic dysplasia (author's transl)] Mayer U, et al. **Klin Monatsbl Augenheilkd** 1982 Apr;180(4):290–3 (Eng. Abstr.) **(Ger)**

[2 current questions of ophthalmologic genetics] Bohár A, et al. **Orv Hetil** 1982 Feb 21;123(8):468–72 **(Hun)**

[The Freeman-Sheldon syndrome with mental retardation] Cirillo Silengo M, et al. **Minerva Pediatr** 1982 Mar 31; 34(6):277–80 (Eng. Abstr.) **(Ita)**

[The Cohen syndrome. Presentation of the 1st Italian case] De Toni T, et al. **Minerva Pediatr** 1982 Mar 31;34(6):261–6 (Eng. Abstr.) **(Ita)**

[Goltz syndrome (focal dermal hypoplasia): a case report (author's transl)] Sellitto F, et al. **Pediatr Med Chir** 1981 Nov–Dec;3(6):563–6 **(Ita)**

[Anhydrotic ectodermal dysplasia. Rare form with vascular purpura and myopathy] Buttitta P, et al.
Pediatria (Napoli) 1981;89(2):253–64 (Eng. Abstr.) **(Ita)**

[Pathogenic aspects of Peters' syndrome] Cernea P, et al.
Rev Chir [Oftalmol] 1981 Apr–Jun;25(2):95–9 (Eng. Abstr.) **(Rum)**

ANALYSIS

Source of subretinal fluid on the basis of ascorbate analyses. van Heuven WA, et al. **Arch Ophthalmol** 1982 Jun; 100(6):976–8

Substance P-immunoreactive nerve fibres in the anterior segment of the rabbit eye. Distribution and possible physiological significance. Tornqvist K, et al.
Cell Tissue Res 1982;222(3):467–77

Human ocular mucus. Chemical studies. Moore JC, et al.
Exp Eye Res 1981 Aug;33(2):203–12

Vitamin A in human eyes: amount, distribution, and composition. Bridges CD, et al.
Invest Ophthalmol Vis Sci 1982 Jun;22(6):706–14

Concentration of 3H-8-methoxypsoralen and its metabolites in the rat lens and eye after a single oral administration. Wulf HC, et al. **Invest Ophthalmol Vis Sci** 1982 Jan; 22(1):32–6

Enzyme-linked immunosorbent assay of substance P: a study in the eye. Stjernschantz J, et al. **J Neurochem** 1982 May; 38(5):1323–8

Ocular neuropeptides. Tervo T, et al. **Med Biol** 1982 Apr; 60(2):53–60 (79 ref.)

Patterns of radioactivity in the eyes of rats after injection of iodinated prolactin. O'Steen WK, et al.
Ophthalmic Res 1982 Jan–Feb;14(1):54–62

Neuropeptides in the eye. Coster DJ, et al.
Trans Ophthalmol Soc NZ 1982;34:44–7

ANATOMY & HISTOLOGY

The orbit and eye: experiments on volume in young and adult rabbits. Sarnat BG. **Acta Ophthalmol [Suppl] (Copenh)** 1981; 147:1–44

Sagittal height of the anterior eye and contact lens fitting. Garner LF. **Am J Optom Physiol Opt** 1982 Apr;59(4):301–5

Biometric study of the canine eye, using A-mode ultrasonography. Schiffer SP, et al. **Am J Vet Res** 1982 May;43(5):826–30

Nervous connections of the parietal eye in adult Lacerta s. sicula Rafinesque as demonstrated by anterograde and retrograde transport of horseradish peroxidase. Korf HW, et al. **Cell Tissue Res** 1981;219(3):567–83

Ocular biometry of the cynomolgus monkey. Kaufman PL, et al. **Curr Eye Res** 1981;1(5):307–9

The eye and visual nervous system: anatomy, physiology and toxicology. McCaa CS. **Environ Health Perspect** 1982 Apr; 44:1–8

Ocular volume and ocular rigidity. Perkins ES. **Exp Eye Res** 1981 Aug;33(2):141–5

Methods of study of aqueous veins. (Fluorescein study and fluorescence photography). Batra JD, et al. **Indian J Ophthalmol** 1981 Dec;29(4):459–62

Limbal insertion distance and width of the horizontal recti tendon in cases of concomitant squint. Rohatgi JN, et al. **Indian J Ophthalmol** 1981 Dec;29(4):381–3

Ophthalmologic considerations in maxillofacial trauma. Anatomy and diagnostic evaluation. Wessberg GA, et al. **Int J Oral Surg** 1981 Aug;10(4):236–46 (16 ref.)

Elongation of cat eyes following neonatal lid suture. Kirby AW, et al. **Invest Ophthalmol Vis Sci** 1982 Feb;22(2):274–7

Anatomic correlates of changing aqueous outflow facility in excised human eyes. Van Buskirk EM. **Invest Ophthalmol Vis Sci** 1982 May;22(5):625–32

Effect of hemodialysis on selected physical ocular parameters. Kollarits CR, et al. **Metab Pediatr Ophthalmol** 1981;5(2):73–6

An analytic, gradient index schematic lens and eye for the rat which predicts aberrations for finite pupils. Campbell MC, et al. **Vision Res** 1981;21(7):1129–48

[A statistical study on the configuration of the eye among Chinese (author's transl)] Liang ZJ. **Chung Hua Yen Ko Tsa Chih** 1981 Sep;17(5):282–5 **(Chi)**

[Measurement of various diameters of children's eyeball enucleated postmortem (author's transl)] Wang YH. **Chung Hua Yen Ko Tsa Chih** 1981 Sep;17(5):289–93 **(Chi)**

[Emmetropic eye in an ultrasonographic investigation. III. Intraocular dimensions of the emmetropic eye (author's transl)] Beránek J. **Cesk Oftalmol** 1981 Jul;37(4):285–92 (Eng. Abstr.) **(Cze)**

[The emmetropic eye in ultrasonographic study. IV. Determination of linear dependence of followed quantities (author's transl)] Beránek J. **Cesk Oftalmol** 1981 Sep; 37(5):349–53 (Eng. Abstr.) **(Cze)**

[Ocular biometry in neonates (author's transl)] Yankov L. **J Fr Ophtalmol** 1982;5(4):237–41 (Eng. Abstr.) **(Fre)**

[Vogt's 'Manual and Atlas of Slit-lamp Microscopy of the Living Eye'] Speiser P. **Gesnerus** 1981;38(3–4):339–45 (Eng. Abstr.) **(Ger)**

[Topography of the posterior chamber lens (author's transl)] Schnaudigel OE. **Klin Monatsbl Augenheilkd** 1981 Dec; 179(6):448–50 (Eng. Abstr.) **(Ger)**

[The studies on the measurements of the ocular axial length and its refractive components in juvenility. Report I: Growth curves of ocular axial length and its refractive components (author's transl)] Kohno J. **Nippon Ganka Gakkai Zasshi** 1981 Aug 10;85(8):993–1005 (Eng. Abstr.) **(Jpn)**

[Quantitative studies on the changes in volume and shape of the eye ball after retinal detachment surgery. II. Effects of scleral buckling and encircling (author's transl)] Yanagisawa Y, et al. **Nippon Ganka Gakkai Zasshi** 1981 Dec 10;85(12):2082–7 (Eng. Abstr.) **(Jpn)**

BLOOD SUPPLY

Relationship between the arteries and veins and the connective tissue system in the human orbit. Bergen MP. **Acta Morphol Neerl Scand** 1982 Mar;20(1):27–42

Pulsed Doppler ultrasound for measuring blood flow velocity in the human ophthalmic circulation. Kvernes S, et al. **Acta Ophthalmol (Copenh)** 1980 Dec;58(6):1011–24

Effects of facial nerve section and stimulation on cerebral and ocular blood flow in hemorrhagic hypotension. Linder J. **Acta Physiol Scand** 1981 Jun;112(2):185–93

Anterior segment ischemia syndrome following rectus muscle transposition. Saunders RA, et al. **Am J Ophthalmol** 1982 Jan;93(1):34–8

Effect of tropicamide on ocular blood flow in the rabbit. Delgado D, et al. **Am J Optom Physiol Opt** 1982 May; 59(5):410–2

Effect of reversible upper respiratory bypass on the electroretinogram in sheep. Ohale LO, et al. **Am J Vet Res** 1982 Apr;43(4):633–8

Standardization of ocular surface injection intensity. Abelson MB, et al. **Ann Ophthalmol** 1981 Oct;13(10):1225

Corneal edema as a result of ischemic endothelial damage: a case report. Nielsen NV, et al. **Ann Ophthalmol** 1982 Mar;14(3):276–8

Occlusion of the posterior ciliary artery. V. Protective influence of simultaneous vortex vein occlusion. Hayreh SS, et al. **Arch Ophthalmol** 1982 Sep;100(9):1481–91

Corneal thickness in eyes with diabetic and nondiabetic neovascularisation. Olsen T, et al. **Br J Ophthalmol** 1981 Oct;65(10):691–3

Functional vascularization of the teleost eye. Copeland DE. **Curr Top Eye Res** 1980;3:219–80

A microP-controlled sliding integrating-type differentiator for biomedical signal processing: application to dc ocular rheography. Faldella E, et al. **IEEE Trans Biomed Eng** 1981 Nov;28(11):761–6

Effect of photocoagulation on ocular blood flow. Chandra SR, et al. **Invest Ophthalmol Vis Sci** 1982 Jun;22(6):783–7

Regression of the tunica vasculosa lentis in the postnatal rat. Latker CH, et al. **Invest Ophthalmol Vis Sci** 1981 Nov; 21(5):689–99

Ophthalmic and central nervous system complications following intracarotid BCNU (Carmustine). Grimson BS, et al. **J Clin Neuro Ophthalmol** 1981 Dec;1(4):261–4

Revascularization of autotransplanted ovine eyes by microsurgical anastomosis. Sher H. **J Microsurg** 1981 Jun; 2(4):269–72

Traumatic exophthalmos due to an uncommon arteriovenous fistula without involvement of the cavernous sinus. Case report. Bradač GB, et al. **J Neurosurg** 1981 Dec;55(6):993–6

Hematocrit and blood content in the rabbit eye. Sakai Y, et al. **Jpn J Ophthalmol** 1982;26(1):69–74

The value of electroencephalography and ocular pneumoplethysmography in carotid shunting. Moll FL, et al. **Neth J Surg** 1982 May;34(2):53–6

Tenth Cambridge Ophthalmological Symposium. Perrers Taylor Memorial September 1980. The ocular vasculature. **Trans Ophthalmol Soc UK** 1980 Sep;100(3):327–447

Permeability of the intraocular blood vessels. Bill A, et al. **Trans Ophthalmol Soc UK** 1980 Sep;100(3):332–6 (21 ref.)

Ischaemia and neovascularization. Brown GC, et al. **Trans Ophthalmol Soc UK** 1980 Sep;100(3):377–80

Ocular angiogenesis in disease states. Garner A, et al. **Trans Ophthalmol Soc UK** 1980 Sep;100(3):381–4

Chemical mediators of intraocular neovascularization. Glaser BM, et al. **Trans Ophthalmol Soc UK** 1980 Sep; 100(3):369–73

Blood flow in the anterior segment of the eye. Marsh RJ, et al. **Trans Ophthalmol Soc UK** 1980 Sep;100(3):388–97

[Influence of experimental ocular hypertension and reduction of the systemic blood pressure on circulation of posterior eye (author's transl)] He ZL. **Chung Hua Yen Ko Tsa Chih** 1981 Mar;17(2):109–11 **(Chi)**

[The ocular pulse (author's transl)] Bettelheim H. **Klin Monatsbl Augenheilkd** 1981 Oct;179(4):243–5 (Eng. Abstr.) **(Ger)**

[Hemodilution in ocular circulation disorders] Wiederholt M. **Verh Dtsch Ges Inn Med** 1981;87:1354–7 **(Ger)**

[Pharmacology of ocular hemodynamics (review of the literature)] Iasnetsov VS, et al. **Farmakol Toksikol** 1981 Mar–Apr;44(2):233–8 (90 ref.) **(Rus)**

[Use of ultrasonic dopplerography in ophthalmology] Ivashina AI, et al. **Oftalmol Zh** 1981;36(7):411–5 (Eng. Abstr.) **(Rus)**

[Expediency of using moderate local hypothermia for stimulation of blood circulation in the eye in myopia] Lazarenko VI, et al. **Oftalmol Zh** 1981;36(5):278–81 (Eng. Abstr.) **(Rus)**

[Effect of instillations of 0.25% rausedyl on ocular accommodation and hemo- and hydrodynamics of the eye] Levchenko OG, et al. **Oftalmol Zh** 1981;36(4):224–8 (Eng. Abstr.) **(Rus)**

[Potentials of ultrasonic methods in assessing the state of the arterial and venous blood flow in different forms of glaucoma] Shmyreva VF, et al. **Vestn Oftalmol** 1981 Nov–Dec;(6):49–53 (Eng. Abstr.) **(Rus)**

[Television fluorescein angiography] Zhokhov VP, et al. **Vestn Oftalmol** 1981 Sep–Oct;(5):55–6 **(Rus)**

CYTOLOGY

Cell hybrids in ocular tissues. Church RL. **Curr Top Eye Res** 1980;3:41–89

Cell life on the surface of lens implants. Wolter JR. **Graefes Arch Clin Exp Ophthalmol** 1982;218(5):244–9

[On the validity of 32P-test: mitotic activity] Strempel I. **Graefes Arch Clin Exp Ophthalmol** 1982;218(2):103–6 (Eng. Abstr.) **(Ger)**

DRUG EFFECTS

Effect of lipoxygenase products on leukocyte accumulation in the rabbit eye. Bhattacherjee P, et al. **Adv Prostaglandin Thromboxane Leukotriene Res** 1982; 9:325–30

The mammalian toxicity of fluomine dust. Kinkead ER, et al. **Am Ind Hyg Assoc J** 1981 Sep;42(9):675–80

Effects of alpha chymotrypsin on the canine eye. Barrie KP, et al. **Am J Vet Res** 1982 Feb;43(2):207–16

Disposition of topical flurbiprofen in normal and aphakic rabbit eyes. Anderson JA, et al. **Arch Ophthalmol** 1982 Apr; 100(4):642–5

Ocular effects of topical administration of delta 9-tetrahydrocannabinol in man. Green K, et al. **Arch Ophthalmol** 1982 Feb;100(2):265–7

Intraocular penetration of rosoxacin in rabbits. Hulem CD, et al. **Arch Ophthalmol** 1982 Apr;100(4):646–9

Ocular absorption and toxicity of a radiosensitizer and its effect on hypoxic cells. Rootman J, et al. **Arch Ophthalmol** 1982 Mar;100(3):468–71

Lack of photosensitization of ocular tissues by allopurinol. Rudy MA, et al. **Arch Ophthalmol** 1981 Nov;99(11):2030–3

Ophthalmological aspects of chronic CS2 intoxication. De Laey JJ, et al. **Bull Soc Belge Ophtalmol** 1980;190:43–51

The effect of beta blocking drugs and carboxyanhydrase inhibitors on the standing potential of the eye. Missotten L, et al. **Bull Soc Belge Ophtalmol** 1980;191:65–8

Effect of timolol maleate on intraocular pressure and pupil cycle time in normal eyes. Kirkham TH, et al. **Can J Ophthalmol** 1981 Jul;16(3):132–5

Ocular irritation from high-dose methotrexate therapy: pharmacokinetics of drug in the tear film. Doroshow JH, et al. **Cancer** 1981 Nov 15;48(10):2158–62

Effectlessness of a new spasmolytic (rociverine) on intraocular pressure, pupil size, and iridocorneal angle in ophthalmically healthy subjects. Pardini M, et al. **Clin Ther** 1981;4(1):48–55

The pharmacokinetics of antibiotics vehicled by soft contact lenses: an experimental approach. Cerulli L, et al. **Contact Intraocular Lens Med J** 1981 Jan–Mar;7(1):39–49

The penetration of exogenous prostaglandin and arachidonic acid into, and their distribution within, the mammalian eye. Bito LZ, et al. **Curr Eye Res** 1981–82;1(11):659–69

Topical administration of the antineoplastic carmustine: tolerance of normal rabbit eyes. Henriquez AS, et al. **Curr Eye Res** 1981;1(3):183–7

Steric structure activity relationships of various adrenergic agonists: ocular and systemic effects. Rowland JM, et al. **Curr Eye Res** 1981;1(1):25–35

Proceedings of the Symposium on Target Organ Toxicity: Eye, Ear and other Special Senses. February 2–3, 1981. Arlington, Virginia. **Environ Health Perspect** 1982 Apr; 44:1–195

Chemotactic response to some arachidonic acid lipoxygenase products in the rabbit eye. Bhattacherjee P, et al. **Eur J Pharmacol** 1981 Jul 17;73(1):21–8

A comparison of the miotic and inflammatory effects of biologically active polypeptides and prostaglandin E2 on the rabbit eye. Bito LZ, et al. **Exp Eye Res** 1982 Mar; 34(3):325–37

The in vitro assessment of severe eye irritants. Burton AB, et al. **Food Cosmet Toxicol** 1981 Aug;19(4):471–80

Ocular and systemic effects of acetazolamide in nephrectomized rabbits. Friedman Z, et al. **Invest Ophthalmol Vis Sci** 1982 Aug;23(2):209–13

The effect of intravitreal and topical prostaglandins on intraocular inflammation. Kulkarni PS, et al. **Invest Ophthalmol Vis Sci** 1982 Sep;23(3):383–92

Phase partition: its use in the prediction of membrane permeation and drug action in the eye. Lien EJ, et al. **J Parenter Sci Technol** 1982 Mar–Apr;36(2):86–93

[Observations of chlorpromazine effects on the eyes and skin of 120 cases (author's transl)] **Chung Hua Shen Ching Ching Shen Ko Tsa Chih** 1979 Jun; 12(2):112–4 **(Chi)**

[Ultrasonographic study of the emmetropic eye. V. Changes of ocular distances of the emmetropic eye after instillation of miotics (author's transl)] Beránek J. **Cesk Oftalmol** 1981; 37(6):448–59 (Eng. Abstr.) **(Cze)**

[Intraocular penetration of several medications with a therapeutic effect on toxoplasmosis. Preliminary study] Brihaye M, et al. **Bull Soc Belge Ophtalmol** 1980;191:39–53 (Eng. Abstr.) **(Fre)**

[The effect of vasoactive intestinal polypeptide on the eye (authors transl)] Hayashi K, et al. **Klin Monatsbl Augenheilkd** 1982 Jan;180(1):82–5 (Eng. Abstr.) **(Ger)**

[An ocular toxicity study with flupirtine as an example of evaluation of possible ocular drug side effects in human volunteers (author's transl)] Koch HR, et al. **Klin Monatsbl Augenheilkd** 1982 Jan;180(1):70–4 (Eng. Abstr.) **(Ger)**

[Influence of hydrocortisone 17-butyrate 21-propionate on the visual and the auditory organs (author's transl)] Ohshima T, et al. **J Toxicol Sci** 1981 Jul;6 Suppl:141–58 (Eng. Abstr.) **(Jpn)**

[Intraocular penetration of befunolol in the albino and pigmented rabbits. A pharmacokinetic analysis (author's transl)] Araie M, et al. **Nippon Ganka Gakkai Zasshi** 1981 Jun 10;85(6):426–34 (Eng. Abstr.) **(Jpn)**

[Eye tissue tolerance for gentamycin administered locally] Shchekotova IG. **Antibiotiki** 1982 Feb;27(2):134–7 (Eng. Abstr.) **(Rus)**

[Effect of S-adenosine homocysteine and dibutyril-3',5-AMP on lysosomal membranes of eye tissue in ocular herpes] Kasavina BS, et al. **Biull Eksp Biol Med** 1982 Mar;93(3):27–9 **(Rus)**

[Characteristics of pesticide action on the eye] Sivitskaia II. **Gig Tr Prof Zabol** 1982 Apr;(4):32–5 (Eng. Abstr.) **(Rus)**

[Side-effect of cardiovascular preparations on the eye] Mozherenkov VP, et al. **Vestn Oftalmol** 1982 May–Jun; (3):67–9 (36 ref.) **(Rus)**

EMBRYOLOGY

Development of the eyes in Agnatha and Chondrichthyes (Elasmobranchia). Yew DT. **Anat Anz** 1982;151(3):231–9

A quantitative study of the position of the Golgi apparatus in the early developing chick eye. Garcia-Porrero JA, et

al. **Anat Embryol (Berl)** 1981;163(1):77–85
The movement of the prospective eye vesicles from the neural plate into the neural fold in Ambystoma mexicanum and Xenopus laevis. Brun RB. **Dev Biol** 1981 Nov; 88(1):192–9
Inverted Xenopus eye primordia develop into anatomically inverted eyes. Katz MJ, et al. **Dev Biol** 1981 Sep; 86(2):510–4
Embryology of the eye. Hoar RM.
Environ Health Perspect 1982 Apr;44:31–4
The spatial relationship between presumptive lens and optic vesicle/cup during early eye morphogenesis in the rat. McAvoy JW. **Exp Eye Res** 1981 Oct;33(4):447–58
Microfilament patterns in the developing chick eye: their role in invaginations. Maloney C, et al. **Exp Eye Res** 1982 Jun; 34(6):877–86
Analysis of tissue interactions in chick eye morphogenesis using cytochalasin B. Maloney C, et al. **Exp Eye Res** 1982 Jul;35(1):77–87
Peripheral control of midbrain mitotic activity in the frog. Kollros JJ. **J Comp Neurol** 1982 Feb 20;205(2):171–8
Differentiation of the optic cups from an anophthalmic murine strain, in culture and in intrafoetal grafts. Salaün J. **J Embryol Exp Morphol** 1982 Feb;67:71–80
The distribution of melanin in the developing optic cup and stalk and its relation to cellular degeneration. Strongin AC, et al. **J Neurosci** 1981 Nov;1(11):1193–204
Brown's syndrome – a possible etiology explained embryologically. Sevel D.
J Pediatr Ophthalmol Strabismus 1981 Sep–Oct;18(5):26–31
The distribution of cranial neural crest cells during ocular morphogenesis. Meier S. **Prog Clin Biol Res** 1982;82:1–15
Transitions in extracellular macromolecules during avian ocular development. Toole BP. **Prog Clin Biol Res** 1982; 82:17–34 (64 ref.)
Normal and abnormal ocular development in man. Torczynski E. **Prog Clin Biol Res** 1982;82:35–51 (41 ref.)
Fetal ocular biometry by ultrasound. Jeanty P, et al.
Radiology 1982 May;143(2):513–6

ENZYMOLOGY

Aqueous humor lactic dehydrogenase activity in normal and diseased eyes. Aksu G. **Ann Ophthalmol** 1981 Sep; 13(9):1067–8
Fine structural localisation of acetylcholinesterase activity in the compound eye of the honeybee (Apis mellifica L.). Kral K, et al. **Cell Tissue Res** 1981;221(2):351–9
The distribution of peroxide regulating enzymes in the canine eye. Armstrong D, et al. **Curr Eye Res** 1981;1(4):225–42
Distribution of lysosomal hydrolases in human and bovine ocular tissues. Hawkins LA, et al. **Curr Eye Res** 1981–82; 1(9):497–500
Enzymes of mercapturate synthesis and other drug-metabolizing reactions-specific localization in the eye. Das ND, et al. **Exp Eye Res** 1981 Nov;33(5):525–33
Postnatal changes in lysosomal enzymes of rabbit ocular tissues. Hayasaka S, et al. **Exp Eye Res** 1982 Apr; 34(4):571–5
Enzymes metabolizing ornithine–proline pathway in the bovine eye. Hayasaka S, et al. **Exp Eye Res** 1982 Apr; 34(4):635–8
Distribution of aldose reductase in ocular tissues. Kern TS, et al. **Exp Eye Res** 1981 Aug;33(2):175–82
Lactate dehydrogenase specificity and subunit assembly in neural tissues of the teleost Phallichthys amates. Frankel JS. **Experientia** 1982 Jun 15;38(6):673–4
Localization and characteristics of transglutaminase in the rabbit and human eye. Samuelsson B, et al.
Graefes Arch Clin Exp Ophthalmol 1982;218(5):233–6
Presence of ornithine ketoacid aminotransferase in human ocular tissues. Shiono T, et al.
Graefes Arch Clin Exp Ophthalmol 1982;218(1):34–6
Development and kinetic aspects of rat eye aldehyde dehydrogenase. Messiha FS. **Int J Biochem** 1982;14(1):75–6
Effect of delta 9-tetrahydrocannabinol on monoamine oxidase activity in bovine eye tissues, in vitro. Gawienowski AM, et al. **Invest Ophthalmol Vis Sci** 1982 Apr;22(4):482–5
Carbonic anhydrase distribution in the rabbit eye by light and electron microscopy. Lütjen-Drecoll E, et al.
Invest Ophthalmol Vis Sci 1981 Dec;21(6):782–97
The pineal gland of the mole (Talpa europaea L.). VII. Activity of hydroxyindole-O-methyltransferase (HIOMT) in the formation of 5-methoxytryptophan, 5-methoxytryptamine, 5-methoxyindole-3-acetic acid, 5-methoxytryptophol and melantonin in the eyes and the pineal gland. Pévet P, et al. **J Neural Transm** 1981; 51(3–4):271–82
Ocular aldehyde dehydrogenase in rodents. Messiha FS.
Neurotoxicology (Park Forest II) 1981 Dec;2(4):703–9
Lactic deshydrogenase isoenzymes in the ocular tissues and liquids. Jacq C, et al. **Ophthalmologica** 1982 Mar; 184(3):174–8
Species-dependent ocular aldehyde dehydrogenase. Messiha FS. **Res Commun Chem Pathol Pharmacol** 1981 Nov; 34(2):365–8
[Enzymes metabolizing ornithine-proline pathway in the bovine eye (author's transl)] Hayasaka S, et al.
Nippon Ganka Gakkai Zasshi 1982;86(3):291–2 (Eng. Abstr.) **(Jpn)**
[Hydrolases in ocular tissues. 2. alpha-L-fucosidase in subretinal fluid (author's transl)] Sato S, et al.
Nippon Ganka Gakkai Zasshi 1981;85(7):557–61 (Eng. Abstr.) **(Jpn)**
[Development of ornithine ketoacid transaminase in rabbit ocular tissues and liver (author's transl)] Shiono T.
Nippon Ganka Gakkai Zasshi 1981;85(7):562–5 (Eng. Abstr.) **(Jpn)**
[Ocular tissue lysosomal glycosidases in superficial and deep forms of experimental ophthalmic herpes] Kasavina BS, et al. **Vestn Oftalmol** 1981 Jul–Aug;(4):46–9 (Eng. Abstr.) **(Rus)**

GROWTH & DEVELOPMENT

Is taurine essential in development? **Adv Exp Med Biol** 1981; 139:487–512
Orienting behavior of juvenile frogs with both a pre-metamorphically rotated and a normal eye. Hoskins S, et al. **Behav Brain Res** 1982 Jan;4(1):55–62
Taurine in development and aging of ocular tissues. Gupta K, et al. **Exp Eye Res** 1982 May;34(5):835–9
Number of neurons and dexamethasone-induced SIF cells in developing sympathetic ganglia and in intraocular ganglion transplants. Päivärinta H, et al.
J Auton Nerv Syst 1982 Mar;5(2):219–36
Formation of the retina-lamina projection of the cockroach: no evidence for neuronal specificity. Nowel MS.
J Embryol Exp Morphol 1981 Apr;62:241–58
Postembryonic growth of the compound eye of the cockroach. Nowel MS. **J Embryol Exp Morphol** 1981 Apr; 62:259–75
The eye margin and compound-eye development in the cockroach: evidence against recruitment. Nowel MS, et al. **J Embryol Exp Morphol** 1980 Dec;60:329–43
Ommatidium assembly and formation of the retina-lamina projection in interspecific chimeras of cockroach. Nowel MS. **J Embryol Exp Morphol** 1980 Dec;60:345–58
Postembryonic development of the visual system of Periplaneta americana. I. Patterns of growth and differentiation. Stark RJ, et al. **J Embryol Exp Morphol** 1981 Dec;66:235–55
Synaptogenesis in the first optic neuropile of the fly's visual system. Fröhlich A, et al. **J Neurocytol** 1982 Feb; 11(1):159–80
Cellular interactions and pattern formation in the development of the visual system of Daphnia magna (Crustacea, Branchiopoda). II. Induced retardation of optic axon ingrowth results in a delay in laminar neuron differentiation. Macagno ER. **J Neurosci** 1981 Sep; 1(9):945–55

IMMUNOLOGY

Effect of prolonged and neonatal capsaicin treatments on the substance P immunoreactive nerves in the rabbit eye and spinal cord. Tervo K. **Acta Ophthalmol (Copenh)** 1981 Oct;59(5):737–46
Ocular immunology: a review (second of two parts). Jackson WB, et al. **Can J Ophthalmol** 1981 Apr;16(2):59–65 (46 ref.)
Ocular deposits of immunoglobulin in diabetic retinopathy [letter] Melato M, et al. **Can J Ophthalmol** 1982 Feb; 17(1):45–6
Immunological aspects of intraocular lenses. Galin MA, et al. **Int Ophthalmol Clin** 1982 Summer;22(2):227–34 (19 ref.)
Localization of substance P-like immunoreactivity in the anterior eye segment of squirrels: an immunohistochemical analysis. Shimizu Y, et al. **Invest Ophthalmol Vis Sci** 1982 Feb;22(2):259–63
Ocular immune responses. I. Priming of A/J mice in the anterior chamber with azobenzenearsonate-derivatized cells induces second-order-like suppressor T cells. Wetzig RP, et al. **J Immunol** 1982 Apr;128(4):1753–7

INNERVATION

Neural control of intraocular pressure. Bergmanson JP.
Am J Optom Physiol Opt 1982 Jan;59(1):94–8
The ciliary ganglion in man (anatomical observations). Sinnreich Z, et al. **Anat Anz** 1981;150(3):287–97
An overview of ocular motor neurophysiology. Troost BT.
Ann Otol Rhinol Laryngol [Suppl] 1981 Jul–Aug;90(4 Pt 3 Suppl 86):29–36 (120 ref.)
Effects of selective inhibition of type A and type B monoamine oxidase on intraocular pressure in the cat and the rabbit. Colasanti BK, et al. **Curr Eye Res** 1981–82; 1(9):501–6
Effect of sensory and sympathetic denervation on substance P immunoreactivity in nerve fibres of the rabbit eye. Tervo K, et al. **Exp Eye Res** 1982 Apr;34(4):577–85
Microanatomical studies on the optic neuropiles of an isopod, Ligia exotica Roux (Crustacea). Sharma SP.
Folia Morphol (Praha) 1982;30(1):70–4
The innervation of a virgin tectum by a double-temporal or a double-nasal eye in Xenopus. Straznicky C, et al.
J Embryol Exp Morphol 1982 Apr;68:9–21
Interactions between compound and normal eye projections in dually innervated tectum: a study of optic nerve regeneration in Xenopus. Straznicky C, et al.
J Embryol Exp Morphol 1981 Dec;66:159–74
Reorganization of somatosensory input to superior colliculus in neonatally enucleated hamsters: anatomical and electrophysiological experiments. Rhoades RW, et al.
J Neurophysiol 1981 Oct;46(4):855–77
[Morphology of the ciliary ganglion (author's transl)] Cernea P, et al. **J Fr Ophtalmol** 1982;5(2):121–3 (Eng. Abstr.) **(Fre)**

METABOLISM

Ocular kinetics of 8-methoxypsoralen. An experimental study with pigmented and albino rabbits without UVA-stimulation. Salminen L, et al.
Albrecht Von Graefes Arch Klin Exp Ophthalmol 1981; 217(3):235–43
The clearance of intravitreal triamcinolone acetonide. Schindler RH, et al. **Am J Ophthalmol** 1982 Apr; 93(4):415–7
Transmitterlike action of serotonin in phase shifting a rhythm from the Aplysia eye. Corrent G, et al. **Am J Physiol** 1982 Mar;242(3):R333–8
Penetration of ocular tissues and fluids by moxalactam in rabbits with staphylococcal endophthalmitis. Kane A, et al. **Antimicrob Agents Chemother** 1981 Nov;20(5):595–9
Age-related differences in ophthalmic drug disposition I. Effect of size on the intraocular tissue distribution of pilocarpine in albino rabbits. Miller SC, et al.
Biopharm Drug Dispos 1981 Jul–Sep;2(3):215–33
Glucose transport across ocular barriers of the streptozotocin-diabetic rat. DiMattio J, et al. **Diabetes** 1981 Nov;30(11):903–6
Glucocorticoid localization by radioautography in the rabbit eye following systemic administration of 3H-dexamethasone. Tchernitchin AN, et al. **Experientia** 1981 Oct 15;37(10):1120–1
Incorporation of 3H-befunolol (beta-blocking agent) into melanin granules of ocular tissues in the pigmented rabbits. I. Light microscopic radioautography. Yamabayashi S, et al. **Histochemistry** 1981 Dec;73(3):371–5
Clinical pharmacokinetics of the eye. Proctor lecture. Mishima S. **Invest Ophthalmol Vis Sci** 1981 Oct; 21(4):504–41 (189 ref.)
Glucose transport across ocular barriers of the spiny dogfish, Squalus acanthias. DiMattio J, et al. **J Exp Zool** 1982 Feb 1;219(2):197–203
Ocular penetration of subconjunctival oxacillin, methicillin, and cefazolin in rabbits with staphylococcal endophthalmitis. Barza M, et al. **J Infect Dis** 1982 Jun; 145(6):899–903
Ultrastructural, histochemical, and biochemical studies of the melanin metabolism in eye and skin of pallid mice. Ito M, et al. **J Invest Dermatol** 1982 May;78(5):414–24
Altered ocular absorption and disposition of sodium cromoglycate upon ion-pair and complex coacervate formation with dodecylbenzyldimethylammonium chloride. Wilson CG, et al. **J Pharm Pharmacol** 1981 Dec; 33(12):749–53
Intraocular penetration of topically applied [14C]fosfonet sodium in rabbits. Bopp BA, et al. **J Pharm Sci** 1982 Mar; 71(3):368–70
A physiologically based pharmacokinetic model for the intraocular distribution of pilocarpine in rabbits. Miller SC, et al. **J Pharmacokinet Biopharm** 1981 Dec;9(6):653–77
[Penetration of cysteine into the rabbit's eye (author's transl)] Rozsíval P, et al. **Cesk Oftalmol** 1981 Sep;37(5):324–7 (Eng. Abstr.) **(Cze)**
[Lipid peroxidation changes in structures of the eye as 1 of the pathogenetic factors in the course of ophthalmic herpes] Gundorova RA, et al. **Oftalmol Zh** 1981;36(3):175–6 (Eng. Abstr.) **(Rus)**

MICROBIOLOGY

The correlation between environmental and ocular fungi. Sandhu DK, et al. **Indian J Ophthalmol** 1981 OCT; 29(3):177–82
In vivo reactivation of herpes simplex virus in rabbit trigeminal ganglia: electrode model. Green MT, et al.
Infect Immun 1981 Oct;34(1):69–74
Transmission of type B viral hepatitis via eye inoculation of a chimpanzee. Bond WW, et al. **J Clin Microbiol** 1982 Mar;15(3):533–4

PATHOLOGY

Scleral folding: a manifestation of orbital lymphoma. Hampton GR. **Ann Ophthalmol** 1982 Jun;14(6):561–2
Histopathologic examination of a globe containing an intraocular implant. Howard GM, et al.
Ann Ophthalmol 1982 Feb;14(2):197–9
Ocular findings in xeroderma pigmentosum: report of two cases. Stenson S. **Ann Ophthalmol** 1982 Jun;14(6):580–5
Ocular findings in osteogenesis imperfecta congenita. Chan CC, et al. **Arch Ophthalmol** 1982 Sep;100(9):1458–63
Disseminated intravascular coagulation in infancy and in the neonate. Ocular findings. Ortiz JM, et al.
Arch Ophthalmol 1982 Sep;100(9):1413–5
Ocular features of Kawasaki's disease. Puglise JV, et al.
Arch Ophthalmol 1982 Jul;100(7):1101–3
Ocular echometry in the diagnosis of congenital glaucoma. Sampaolesi R, et al. **Arch Ophthalmol** 1982 Apr; 100(4):574–7
Full-thickness eye-wall biopsy: long-term results in 9 patients. Peyman GA, et al. **Br J Ophthalmol** 1981 Oct; 65(10):723–6
Histopathology of aphakic and primary Mark VIII pseudo-phakic eyes after intracapsular cataract extraction. Neetens A, et al. **Bull Soc Belge Ophtalmol** 1980;191:75–88
Filtering valve implant for neovascular glaucoma in proliferative diabetic retinopathy. Folberg R, et al.
Ophthalmology (Rochester) 1982 Mar;89(3):286–9
The progression of the ocular abnormalities of herpes zoster.

Histopathologic observations of nine cases. **Hedges TR 3d, et al. Ophthalmology (Rochester)** 1982 Feb;89(2):165–77

Preparation of ocular specimens for histopathologic examination. Torczynski E. **Ophthalmology (Rochester)** 1981 Dec;88(12):1367–71

Metabolic tapetoretinal degenerations. François J. **Surv Ophthalmol** 1982 May–Jun;26(6):293–333 (450 ref.)

[Technical preparation of ocular globe for histopathological study (author's transl)] Dhermy P. **Ann Pathol** 1981; 1(4):327–31 (Eng. Abstr.) **(Fre)**

[Histological appearance of chorioretinal tissue 16 months after treatment of diabetic retinopathy with agron laser] Verougstraete C, et al. **Bull Soc Belge Ophtalmol** 1981; 192:23–36 **(Fre)**

[Variations of intraocular pressure during valsalva's maneuver in relation to body position and length of the bulbus in myopia (author's transl)] Oggel K, et al. **Graefes Arch Clin Exp Ophthalmol** 1982;218(1):51–4 (Eng. Abstr.) **(Ger)**

[Experimental Mycoplasma panophthalmitis] Gusman BS, et al. **Biull Eksp Biol Med** 1982 Mar;93(3):122–4 **(Rus)**

[Use of polarized light in ophthalmology] Pen'kov MA, et al. **Oftalmol Zh** 1981;36(6):368–72 **(Rus)**

[Prosthesis of subatrophic and atrophic eyes] Druianova IuS, et al. **Vestn Oftalmol** 1981 Jul–Aug;(4):62–4 (Eng. Abstr.) **(Rus)**

[Topometric anatomical parameters of myopic eyes] Ferfil'fain IL. **Vestn Oftalmol** 1982 May–Jun;(3):42–4 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

A scanning electron microscopic study of nylon degradation by ocular tissue extracts. Hayasaka S, et al. **Am J Ophthalmol** 1982 Jan;93(1):111–7

A new single-parameter ocular rigidity function. van der Werff TJ. **Am J Ophthalmol** 1981 Sep;92(3):391–5

Effects of base curvature on squeeze pressures in contact lenses. Conway HD. **Am J Optom Physiol Opt** 1982 Feb; 59(2):152–4

A system matrix for astigmatic optical systems: II. Corrected systems including an astigmatic eye. Keating MP. **Am J Optom Physiol Opt** 1981 Nov;58(11):919–29

Entrainment of the circadian rhythm from the eye of Aplysia: role of serotonin. Corrent G, et al. **Am J Physiol** 1982 Mar; 242(3):R326–32

Motoric laterality and eye dominance suggest unique pattern of cerebral organization in schizophrenia. Piran N, et al. **Arch Gen Psychiatry** 1982 Sep;39(9):1006–10

Carboxyfluorescein. A probe of the blood–ocular barriers with lower membrane permeability than fluorescein. Grimes PA, et al. **Arch Ophthalmol** 1982 Apr;100(4):635–9

Volume elasticity of the ocular avascular compartment in vivo and post mortem. Malessa P, et al. **Biol Cybern** 1982; 43(1):29–34

The response of a servo controlled eye to a confined visual environment. Brown OS, et al. **Biomed Sci Instrum** 1981; 17:41–4

Statistical methods in ophthalmology: an adjustment for the intraclass correlation between eyes. Rosner B. **Biometrics** 1982 Mar;38(1):105–14

Spectral sensitivity of Phalangium opilio eyes. Camillo R, et al. **Boll Soc Ital Biol Sper** 1981 Mar 30;57(6):610–3

In vivo recording of the ocular circadian rhythm in Aplysia. Block GD. **Brain Res** 1981 Oct 5;222(1):138–43

Brainstem projections to the frontal eye field in cat. Pascuzzo GJ, et al. **Brain Res** 1982 Jun 10;241(2):341–6

Rapid effect of enucleation on neurotransmitter receptor binding in chick optic tecta. Por SB. **Brain Res** 1981 Oct 19;222(2):406–10

Altered organization of intercollicular pathway in bilaterally enucleated hamsters. Rhoades RW, et al. **Brain Res** 1982 Jul;256(3):356–60

Comparison between temperature-induced changes and effects caused by dark/light adaptation in the eyes of two species of Antarctic crustaceans. Meyer-Rochow VB, et al. **Cell Tissue Res** 1982;221(3):625–32

The McCollough effect in children. Meyer GE, et al. **Child Dev** 1982 Jun;53(3):838–40

Dichoptic interaction of harmonically related spatial and temporal frequencies. Schmeisser ET, et al. **Doc Ophthalmol** 1982 May 14;53(1):37–50

Visual evoked potentials and eye dominance. Seyal M, et al. **Electroencephalogr Clin Neurophysiol** 1981 Nov; 52(5):424–8

Behavioural, physiological, and anatomical consequences of monocular deprivation in the golden hamster (Mesocricetus auratus). Emerson VF, et al. **Exp Brain Res** 1982; 45(1–2):168–78

Eye-hand tracking using afterimages. Evidence that sense of effort is dependent on spatial constancy mechanisms. Lackner JR, et al. **Exp Brain Res** 1981;44(2):138–42

A crossed parabigemino-lateral geniculate projection in rats blinded at birth. Stevenson JA, et al. **Exp Brain Res** 1982; 45(1–2):95–100

Fluorescence polarization measurement of binding of fluorescein to albumin. Penniston JT. **Exp Eye Res** 1982 Mar;34(3):435–43

Plasticity in the oculomotor system. Robinson DA. **Fed Proc** 1982 Apr;41(6):2153–5

Human vertical fusional response under open and closed loop stimulation to predictable and unpredictable disparity presentations. Perlmutter AL, et al. **IEEE Trans Biomed Eng** 1982 Jan;29(1):57–60

Dipole localization of average and single visual evoked potentials. Sencaj RW, et al. **IEEE Trans Biomed Eng** 1982 Jan;29(1):26–33

Loss of supersensitivity of the cat eye to carbachol at prolonged periods after ciliary ganglionectomy. Colasanti BK, et al. **J Auton Nerv Syst** 1982 Mar;5(2):111–8

Plasticity in a central nervous pathway in xenopus: anatomical changes in the isthmotectal projection after larval eye rotation. Udin SB, et al. **J Comp Neurol** 1981 Dec 20;203(4):575–94

Regeneration of optic nerve fibres from a compound eye to both tecta in Xenopus: evidence relating to the state of specification of the eye and the tectum. Gaze RM, et al. **J Embryol Exp Morphol** 1980 Dec;60:125–40

Differential effects of amino acids on the period of the circadian rhythm from the Aplysia eye. Eskin A. **J Neurobiol** 1982 May;13(3):231–9

Effects of enucleation on high-affinity binding sites in chick optic tecta. Por SB, et al. **J Neurochem** 1982 Feb; 38(2):545–50

Effects of reversible lesions and stimulation of olivocerebellar system on vestibuloocular reflex plasticity. Demer JL, et al. **J Neurophysiol** 1982 Jun;47(6):1084–107

Ocular and extraocular responses of identifiable neurons in pedal ganglia of Hermissenda crassicornis. Jerussi TP, et al. **J Neurophysiol** 1981 Sep;46(3):659–71

Binocular interaction on monocularly discharged lateral geniculate and striate neurons in the cat. Kato H, et al. **J Neurophysiol** 1981 Nov;46(5):932–51

Recovery of Y-cells in the lateral geniculate nucleus of monocularly deprived cats. Geisert EE, et al. **J Neurosci** 1982 May;2(5):577–88

In vitro resetting of the circadian clock in the Aplysia eye. II. The critical period for optic nerve activity. Prichard RG, et al. **J Neurosci** 1981 Aug;1(8):840–5

In vitro resetting of the circadian clock in the Aplysia eye. III. Location of photoreceptors that signal continuous light to continuous darkness. Prichard RG, et al. **J Neurosci** 1981 Aug;1(8):846–8

In vitro resetting of the circadian clock in the Aplysia eye. I. Importance of efferent activity in optic nerve. Prichard RG, et al. **J Neurosci** 1981 Aug;1(8):835–9

Development of scotopic sensitivity and the absorption spectrum of the human ocular media. Werner JS. **J Opt Soc Am** 1982 Feb;72(2):247–58

Neurones situated outside the isthmo-optic nucleus and projecting to the eye in adult birds. Hayes BP, et al. **Neurosci Lett** 1981 Oct 23;26(2):107–12

Vulnerability of the rabbit eye to torsion and pulling-out — a functional study, monitored by ERG and VECP. Kawano S, et al. **Ophthalmic Surg** 1981 Nov;12(11):830–3

Latency of the nictitating membrane response to periocular electrostimulation in unanesthetized rabbits. Moore JW, et al. **Physiol Behav** 1982 Jun;28(6):1041–6

The structure and function of fish schools. Partridge BL. **Sci Am** 1982 Jun;246(6):114–23

Use of annular artificial pupil in the determination of modulation transfer function of the eye. Yumin L, et al. **Sci Sin [B]** 1982 Apr;25(4):396–410

Sighting dominance: an explanation based on the processing of visual direction in tests of sighting dominance. Barbeito R. **Vision Res** 1981;21(6):855–60

On the birefringence of the living human eye. Bour LJ, et al. **Vision Res** 1981;21(9):1413–21

A photorefractive study of dark focus and refraction. Braddick O, et al. **Vision Res** 1981;21(12):1761–4

The effect of convergence on the vestibulo-ocular reflex and implications for perceived movement. Post RB, et al. **Vision Res** 1982;22(4):461–5

[The eye and hemispheric dominance (author's transl)] Larmande P. **J Fr Ophtalmol** 1981;4(8–9):579–81 (Eng. Abstr.) **(Fre)**

[Aging of eyes and ambiant temperatures] Weale RA. **Rev Med Suisse Romande** 1981 Oct;101(10):837–9 **(Fre)**

[Instrument for the simultaneous measurement of version, convergence and pupil diameter (author's transl)] Krueger H. **Biomed Tech (Berlin)** 1982 Mar;27(3):59–63 (Eng. Abstr.) **(Ger)**

[Eye – light – color] Hüer HH. **Zentralbl Arbeitsmed Arbeitsschutz Prophyl Ergonomie** 1981 May;31(5):176–84 **(Ger)**

PHYSIOPATHOLOGY

Regression curves for the optical parameters of the eye. Carroll JP. **Am J Optom Physiol Opt** 1981 Apr;58(4):314–23

Sensorimotor disturbances in craniostenosis. Nelson LB, et al. **J Pediatr Ophthalmol Strabismus** 1981 Sep–Oct; 18(5):32–41

Metabolic regulation and eye and kidney function in diabetes [letter] Lauritzen T. **Lancet** 1982 Feb 20;1(8269):449–50

The correlation between the vestibulo-ocular system and the vestibulo-spinal system in Ménière's disease based on categorical principal component analysis. Imoto T, et al. **ORL J Otorhinolaryngol Relat Spec** 1982;44(1):6–23

[Hemodynamic state of the eye and brain in hypotension] Cherkasov IS, et al. **Oftalmol Zh** 1981;36(3):151–4 (Eng. Abstr.) **(Rus)**

[Experimental interrelation between the coefficient of rigidity, eye volume and scleral modulus of elasticity] Akpatrov AI. **Vestn Oftalmol** 1981 Jul–Aug;(4):5–7 **(Rus)**

[Changes in ocular hemo- and hydrodynamics in acute alcoholic psychosis and alcohol abstinence] Dobromyslov AN, et al. **Vestn Oftalmol** 1982 Jan–Feb;(1):16–9 (Eng. Abstr.) **(Rus)**

[Ocular hemo- and hydrodynamics after a 'dynamic' cerclage operation] Leonov AA, et al. **Vestn Oftalmol** 1982 May–Jun;(3):28–30 (Eng. Abstr.) **(Rus)**

RADIATION EFFECTS

Long-term study of the ocular effects of orthovoltage irradiation in rats. Peiffer RL Jr, et al. **Am J Vet Res** 1981 Sep;42(9):1598–1605

The unique sensitivity of the rabbit eye to x-ray-induced ocular inflammation. Bito LZ, et al. **Exp Eye Res** 1981 Oct;33(4):403–12

Cellular damage and recovery of the early developing mouse eye following low dose irradiation. I. X-rays on day 8 of gestation. Balla I, et al. **Experientia** 1981 Oct 15; 37(10):1105–6

Threat of ultraviolet radiation to the eye—how to protect against it. Pitts DG. **J Am Optom Assoc** 1981 Dec; 52(12):949–57

Clinical aspects of ophthalmic argon laser. Zinn KM. **Lasers Surg Med** 1981;1(4):289–322

Effects of low-level microwave radiation on the eye of the crayfish. Munemori J, et al. **Med Biol Eng Comput** 1982 Jan;20(1):84–8

[Transplantation of retinoblastoma into the nude mouse. 2. Radiation effects on retinoblastoma successively transplanted into nude mouse eyes (author's transl)] Totsuka S, et al. **Nippon Ganka Gakkai Zasshi** 1981; 85(7):593–604 (Eng. Abstr.) **(Jpn)**

[Microdistribution of 239Pu in the eye tissues of dogs after its inhalation as the dioxide] Levdik TI, et al. **Radiobiologiia** 1981;21(4):620–2 **(Rus)**

[Biological action of infrared laser radiation (1.06-micron wave length) on the tissues of the fundus oculi] Avdeev PS, et al. **Vestn Oftalmol** 1982 Jan–Feb;(1):26–31 (Eng. Abstr.) **(Rus)**

RADIOGRAPHY

[Orthograph and oculogyria for localization of intraocular foreign bodies (author's transl)] An JX. **Chung Hua Fang She Hsueh Tsa Chih** 1981 Nov; 15(4):278–81 **(Chi)**

[Computed tomography of the orbit] Pyhtinen J, et al. **Duodecim** 1982;98(6):468–76 (Eng. Abstr.) **(Fin)**

SURGERY

Surgical drape support. Carpel EF. **Am J Ophthalmol** 1982 Jul;94(1):113–4

Results of anterior segment surgery with vitrectomy instruments. Diddie KR, et al. **Am J Ophthalmol** 1982 Feb; 93(2):172–84

Balanced total intravenous anaesthesia and intraocular pressure. Norbury A, et al. **Anaesth Intensive Care** 1981 Aug;9(3):255–9

Local anesthesia for ophthalmic surgery: patient preparation and management. Donlon JV Jr. **Ann Ophthalmol** 1980 Oct; 12(10):1183–91

Healon [editorial] Miller D. **Ann Ophthalmol** 1981 Jul; 13(7):781–2

Bipolar bimanual diathermy [letter] Charles S. **Arch Ophthalmol** 1981 Oct;99(10):1868

Microsurgery of the anterior and posterior segments of the eye. Meeting of the International Microsurgical Group, Mallorca, 1980. **Dev Ophthalmol** 1981;5:1–134

Recent advances in microscopes. Draeger J. **Dev Ophthalmol** 1981;5:1–7

Teaching microsurgery. Lim AS. **Dev Ophthalmol** 1981;5:30

Extended use of vitrectomy instruments. Lim AS. **Dev Ophthalmol** 1981;5:74–6

An economical and practical operating microscope. Lim AS. **Dev Ophthalmol** 1981;5:11–2

Illumination of field and magnification. Mackensen G, et al. **Dev Ophthalmol** 1981;5:8–10

A new lid speculum. Schott K. **Dev Ophthalmol** 1981;5:31–2

Sustained intraocular tension during reversal of general anaesthesia. Chari P, et al. **Indian J Ophthalmol** 1981 Apr; 29(1):5–8

The oculocardiac reflex: a review. Van Brocklin MD, et al. **J Am Optom Assoc** 1982 May;53(5):407–13 (48 ref.)

Intraocular prosthesis in the dog and cat: the failures. Koch SA. **J Am Vet Med Assoc** 1981 Nov 1;179(9):883–5

Repair of dislocated globe. Adhikary HP, et al. **J Trauma** 1982 Feb;22(2):167–8

Air transportation after eye surgery [letter] Roper DL. **JAMA** 1982 Jun 25;247(24):3315

Corneal protector for oculoplastic surgery. Crouch ER Jr. **Ophthalmic Surg** 1982 Mar;13(3):243

Pressure profile of ophthalmic surgical procedures: an experimental study on the rabbit eye. Honda Y, et al. **Ophthalmic Surg** 1982 May;13(5):387–91

A method for preventing suture entrapment on the Iliff–Park eyelid speculum. Roper DL. **Ophthalmic Surg** 1982 Mar; 13(3):241–2

Diamond knife. Rowsey JJ, et al. **Ophthalmic Surg** 1982 Apr; 13(4):279–82

Operating microscope anti-fogging lens heaters. Schulze RR, et al. **Ophthalmic Surg** 1982 Feb;13(2):134

Conscious sedation and behavioral modification with local

standby anesthesia for ophthalmologic surgery. Shane SM. **Ophthalmic Surg** 1982 Jan;13(1):50–2
Hydrostasis in ophthalmic microsurgery. Stern MD. **Ophthalmic Surg** 1981 Oct;12(10):755–6
An operating table support mattress for ophthalmic surgery. Torchia RT. **Ophthalmic Surg** 1982 Jan;13(1):67
Polypropylene. Clayman HM. **Ophthalmology (Rochester)** 1981 Sep;88(9):959–64
Fitting of the dermis-fat grafted socket. Przybyla VA Jr, et al. **Ophthalmology (Rochester)** 1981 Sep;88(9):904–7
The anophthalmic socket. Soll DB. **Ophthalmology (Rochester)** 1982 May;89(5):407–23
Induced ocular hypertension prior to enucleation for choroidal melanoma. Sudarsky RD, et al. **Ophthalmology (Rochester)** 1981 Dec;88(12):31A–33A
Repair of the superior sulcus deformity using autogenous costal cartilage. Sutula FC, et al. **Ophthalmology (Rochester)** 1982 May;89(5):424–7
Surgical treatment of the denervated or sagging lower lid. Wiggs EO, et al. **Ophthalmology (Rochester)** 1982 May; 89(5):428–32
Ophthalmic surgery in malignant exophthalmos. Rowe LD, et al. **Otolaryngol Clin North Am** 1981 May;14(2):447–59
Orbital exenteration—simplified. Coston TO, et al. **Trans Am Ophthalmol Soc** 1981;79:136–52
[Initial experience with silicon orbital implants after enucleation of the eye (author's transl)] Karel I, et al. **Cesk Oftalmol** 1981 Jul;37(4):281–4 (Eng. Abstr.) **(Cze)**
[General anesthesia in ophthalmology (author's transl)] Navrátilová Z, et al. **Cesk Oftalmol** 1982 May;38(3):193–5 (Eng. Abstr.) **(Cze)**
[Our experience with ophthalmic anesthesia (author's transl)] Vlová K, et al. **Cesk Oftalmol** 1982 May;38(3):184–7 (Eng. Abstr.) **(Cze)**
[General anesthesia in ophthalmology] Jaquenoud P. **Annee Ther Clin Ophtalmol** 1980;31:281–314 (Eng. Abstr.) **(Fre)**
[Use of the mechanical effects of YAG lasers by neutralization of their thermal effects. Applications: sections of newly-formed intraocular membranes] Aron Rosa D, et al. **Bull Soc Ophtalmol Fr** 1981 Oct;81(10):741–3 **(Fre)**
[Technic for enucleation if a closed chamber for malignant melanoma of the choroid] Grange JD, et al. **Bull Soc Ophtalmol Fr** 1981 Aug–Sep;81(8–9):679–81 (Eng. Abstr.) **(Fre)**
[First reflections on the use of the Krupin-Denver valve] Malbrel C, et al. **Bull Soc Ophtalmol Fr** 1982 Apr; 82(4):577–8 **(Fre)**
[Intra-ocular argon photocoagulation] Sourdille P. **Bull Soc Ophtalmol Fr** 1981 Dec;81(12):1099–100 **(Fre)**
[Expulsive haemorrhage: considerations on a possible solution (author's transl)] Bordeianu CD. **J Fr Ophtalmol** 1982;5(4):257–61 (Eng. Abstr.) **(Fre)**
[Effects of flunitrazepam on intraocular pressure (author's transl)] Maillet J, et al. **J Fr Ophtalmol** 1982;5(5):335–8 (Eng. Abstr.) **(Fre)**
[Sympathetic activity and blood pressure in normotensive and hypertensive patients undergoing ophthalmic surgery under electrostimulation anaesthesia (author's transl)] Abdulla W, et al. **Anaesthesist** 1981 Oct;30(10):497–9 (Eng. Abstr.) **(Ger)**
[Limits of eyeball preservation or indications for enucleation] Käfer O, et al. **Buch Augenarzt** 1982;(89):173–85 (Eng. Abstr.) **(Ger)**
[Lens implantation in hypotonic bulbi (author's transl)] Krey H, et al. **Klin Monatsbl Augenheilkd** 1982 Mar; 180(3):239–41 (Eng. Abstr.) **(Ger)**
[Analysis of echographic findings in 745 cases (author's transl)] Sayegh FN. **Klin Monatsbl Augenheilkd** 1982 Jan; 180(1):40–4 (Eng. Abstr.) **(Ger)**
[The use of fazadinium in eye surgery] Bracali AM, et al. **Minerva Anestesiol** 1982 Mar;48(3):183–8 (Eng. Abstr.) **(Ita)**
[R-(+)-alpha-methylbenzylimidazol-5-carboxylate (etomidate), a new anesthetic of ophthalmological importance] Tittarelli R, et al. **Minerva Anestesiol** 1981 Dec;47(12):859–64 (Eng. Abstr.) **(Ita)**
[Retrovitreal pressure during ophthalmic surgery. An experimental study on the rabbit eye (author's transl)] Honda Y, et al. **Nippon Ganka Gakkai Zasshi** 1981 Jun 10;85(6):464–70 (Eng. Abstr.) **(Jpn)**
[Factors affecting the effect of eye tissue photocoagulation (author's transl)] Szczypiński J. **Klin Oczna** 1981; 83(9):419–21 (Eng. Abstr.) **(Pol)**
[Analysis of eyeball enucleation causes (author's transl)] Szewczykowa E, et al. **Klin Oczna** 1981 Jul–Sep; 83(7–8):327–8 (Eng. Abstr.) **(Pol)**
[Operative trauma in ophthalmology] Popa D, et al. **Rev Chir [Oftalmol]** 1981 Oct–Dec;25(4):253–5 **(Rum)**
[Corneal pigmentation after removal of the eye in Rana temporaria L. larvae] Popov DV, et al. **Arkh Anat Gistol Embriol** 1982 Jun;82(6):74–84 (Eng. Abstr.) **(Rus)**
[Ocular microretractor] Malaev AA, et al. **Med Tekh** 1981 Sep–Oct;(5):55–6 **(Rus)**
[Dynamics of morphologic changes in the layers of the eye and scleral rigidity following diathermocoagulation] Nazarenko NI, et al. **Oftalmol Zh** 1981;36(8):498–502 (Eng. Abstr.) **(Rus)**
[Reasons for enucleations following the combined treatment of choroidal melanomas] Brovkina AF, et al. **Vestn Oftalmol** 1982 May–Jun;(3):48–51 (Eng. Abstr.) **(Rus)**
[Eye operations under microscopy – microsurgery of the eye] Ízák M. **Cesk Oftalmol** 1982 Jan;38(1):1–6 (Eng. Abstr.) **(Slo)**
[Experimental anaesthesia in ophthalmology in Salmo fishes. (Salmo gairdneri) (rainbow trout) (author's transl)] Fernández del Cotero JN, et al. **Rev Esp Anestesiol Reanim** 1982 Mar;29(2):65–71 (Eng. Abstr.) **(Spa)**

TRANSPLANTATION

Revascularization of autotransplanted ovine eyes by microsurgical anastomosis. Sher H. **J Microsurg** 1981 Jun; 2(4):269–72
The transplantation of eyes to genetically eyeless salamanders: visual projections and somatosensory interactions. Harris WA. **J Neurosci** 1982 Mar;2(3):339–53

ULTRASTRUCTURE

Lens regeneration from the pupillary margin of the eyecup in newt embryos. Reyer RW. **Am J Anat** 1982 Jan; 163(1):25–45
Distribution of silver in the eyes and plasma proteins of the albino rat. Matuk Y, et al. **Can J Ophthalmol** 1981 Jul; 16(3):145–50
Unorthodox pattern of microvilli and intercellular junctions in regular retinular cells of the porcellanid crab Petrolisthes. Eguchi E, et al. **Cell Tissue Res** 1982; 222(3):493–513
Retinular fine structure in compound eyes of diurnal and nocturnal sphingid moths. Eguchi E. **Cell Tissue Res** 1982; 223(1):29–42
The ultrastructure of the eye of the mosquitofish Gambusia affinis. Lanzing WJ, et al. **Cell Tissue Res** 1982; 223(2):431–43
Giant melanosomes in the eye of the Dutch rabbit. Ghadially FN, et al. **J Submicrosc Cytol** 1982 Jan;14(1):63–72
Diurnal changes in compound eye fine structure in the blue crab Callinectes. I. Differences between noon and midnight retinas on an LD 11:13 cycle. Toh Y, et al. **J Ultrastruct Res** 1982 Jan;78(1):40–59
Exfoliation glaucoma: a quantitative perfusion and ultrastructural study. Richardson TM, et al. **Ophthalmology (Rochester)** 1981 Sep;88(9):968–80
[Characteristics of connective tissue structures located in the anterior segment of the eye] Lütjen-Drecoll E, et al. **Verh Anat Ges** 1981;75(Pt 1):147–55 (Eng. Abstr.) **(Ger)**
[Observation on the ocular tissues under an acoustic microscope (author's transl)] Shimizu Y, et al. **Nippon Ganka Gakkai Zasshi** 1981 Oct 10;85(10):1716–20 (Eng. Abstr.) **(Jpn)**

EYE, ARTIFICIAL

A long-term follow-up study of scleral grafting for exposed or extruded orbital implants. Fountain JA, et al. **Am J Ophthalmol** 1982 Jan;93(1):52–6
Contracted sockets—II. Krishna G. **Indian J Ophthalmol** 1981 Jul;29(2):75–9
Experience with dermis-fat grafting: an analysis of early postoperative complications and methods of prevention. Aguilar GL, et al. **Ophthalmic Surg** 1982 Mar;13(3):204–9
Tarsal strip procedure for correction of eyelid laxity and canthal malposition in the anophthalmic socket. Anderson RL. **Ophthalmology (Rochester)** 1981 Sep;88(9):895–903
Fitting of the dermis-fat grafted socket. Przybyla VA Jr, et al. **Ophthalmology (Rochester)** 1981 Sep;88(9):904–7
Magnetic prostheses: an alternative fixation and orientation method. Swartz BE, et al. **Plast Reconstr Surg** 1982 May; 69(5):755–9
[Plastic orbital implants (author's transl)] Dvořák J, et al. **Cesk Oftalmol** 1982 Mar;38(2):100–3 (Eng. Abstr.) **(Cze)**
[Migration and expulsion of the implant in the enucleated eye] Gola R. et al. **Bull Soc Ophtalmol Fr** 1981 Jun–Jul; 81(6–7):625–31 **(Fre)**
[Prosthetic treatment of microphthalmia (author's transl)] Kruk J, et al. **Klin Oczna** 1981 Jun;83(6):311–2 (Eng. Abstr.) **(Pol)**
[Orbital exenteration: punctured cutaneous sieve autograft. Orbital prosthesis] Olteanu M, et al. **Rev Chir [Oftalmol]** 1980 Jul–Sep;24(3):193–4 (Eng. Abstr.) **(Rum)**
[Prosthesis in congenital microphthalmos and anophthalmos] Druianova IuS, et al. **Vestn Oftalmol** 1981 May–Jun; (3):65–6 **(Rus)**
[Prosthesis of subatrophic and atrophic eyes] Druianova IuS, et al. **Vestn Oftalmol** 1981 Jul–Aug;(4):62–4 (Eng. Abstr.) **(Rus)**
[Preparation of the conjunctival cavity for cosmetic eye prosthesis] Morozova OD, et al. **Vestn Oftalmol** 1981 Sep–Oct;(5):57–9 (Eng. Abstr.) **(Rus)**

ADVERSE EFFECTS

An immunopathologic study of giant papillary conjunctivitis associated with an ocular prosthesis. Meisler DM, et al. **Am J Ophthalmol** 1981 Sep;92(3):368–71
Complications associated with use of tantalum-mesh—covered implants. Przybyla VA Jr, et al. **Ophthalmology (Rochester)** 1982 Feb;89(2):121–3

STANDARDS

Prosthetic correction. Bier N. **Am J Optom Physiol Opt** 1982 Feb;59(2):178–83
Histological and scanning electron microscopic study of tissue invasion of Bangerter nylon implant after enucleation. Amemiya T, et al. **Graefes Arch Clin Exp Ophthalmol** 1982;218(2):107–9
The anophthalmic socket. Soll DB. **Ophthalmology (Rochester)** 1982 May;89(5):407–23
Surgical treatment of the denervated or sagging lower lid. Wiggs EO, et al. **Ophthalmology (Rochester)** 1982 May; 89(5):428–32

EYE BANKS see under **TISSUE BANKS**

EYE BURNS

CHEMICALLY INDUCED

Ocular trauma from lead-acid vehicle battery explosions. Siebert S. **Aust J Ophthalmol** 1982 Feb;10(1):53–61
The enzymatic activities in the alkali-burnt rabbit cornea. Chayakul V, et al. **Graefes Arch Clin Exp Ophthalmol** 1982; 218(3):145–8
Enzymatic activity of beta-N-acetylglucosaminidase in the alkali-burned rabbit cornea. Chayakul V, et al. **Graefes Arch Clin Exp Ophthalmol** 1982;218(3):149–52
Indications for conjunctival transplantation. Thoft RA. **Ophthalmology (Rochester)** 1982 Apr;89(4):335–9
Alkali burns of the eye: pathophysiology and treatment. Pfister RR, et al. **South Med J** 1982 Apr;75(4):417–22
[Limits of conservative and surgical therapy of chemical burns of the conjunctiva and cornea] Straub W. **Buch Augenarzt** 1982;(89):1–8 (Eng. Abstr.) **(Ger)**
[Morphological findings in the rabbit cornea after tear gas cauterization (author's transl)] Pfannkuch F, et al. **Graefes Arch Clin Exp Ophthalmol** 1982;218(4):177–84 (Eng. Abstr.) **(Ger)**
[Emergencies in general medicine (20). Chemical eye burns] Behrens-Baumann. **ZFA (Stuttgart)** 1982 May 20; 58(14):811–2 **(Ger)**
[Study of the combined effect of ultrasound and chlorophyllypt on the course of corneal burns] Moiseeva NN, et al. **Oftalmol Zh** 1981;36(8):502–6 **(Rus)**

COMPLICATIONS

Effects of topical 10% ascorbate solution on established corneal ulcers after severe alkali burns. Pfister RR, et al. **Invest Ophthalmol Vis Sci** 1982 Mar;22(3):382–5
Ocular fireworks injuries and blindness. An analysis of 154 cases and a three-state survey comparing the effectiveness of model law regulation. Wilson RS. **Ophthalmology (Rochester)** 1982 Apr;89(4):291–7
[Simultaneous eye and upper respiratory tract burns] Sobieska H, et al. **Wiad Lek** 1981 May 15;34(10):845–7 (Eng. Abstr.) **(Pol)**
[Surgical treatment methods in secondary glaucoma in severe eye burns and their sequelae] Volkov VV, et al. **Voen Med Zh** 1981 Aug;(8):39–41 **(Rus)**

DIAGNOSIS

Three-years' experience in a regional burn center with burns of the eyes and eyelids. Guy RJ, et al. **Ophthalmic Surg** 1982 May;13(5):383–6

DRUG THERAPY

Influence of systemic ascorbic acid treatment on metabolite levels after regeneration of the corneal epithelium following mild alkali burns. Reim M, et al. **Graefes Arch Clin Exp Ophthalmol** 1982;218(2):99–102
Sodium citrate reduces the incidence of corneal ulcerations and perforations in extreme alkali-burned eyes—acetylcysteine and ascorbate have no favorable effect. Pfister RR, et al. **Invest Ophthalmol Vis Sci** 1981 Sep;21(3):486–90
[Treatment of potassium permanganate burns of cornea and conjunctiva with ascorbic acid solution (author's transl)] Bian CJ. **Chung Hua Yen Ko Tsa Chih** 1982 Mar;18(2):85–6 **(Chi)**
[Dermazin in the combined treatment of corneal burns] Akchurina GZ, et al. **Vestn Oftalmol** 1981 Jul-Aug; (4):29–31 (Eng. Abstr.) **(Rus)**

ETIOLOGY

[Eye burns caused by formic acid in agriculture] Peyres Blanques J. **Bull Soc Ophtalmol Fr** 1981 Jun–Jul; 81(6–7):679–80 **(Fre)**

PATHOLOGY

Dynamic changes of the corneal epithelium and stroma after alkali burning. Yoshizuka M, et al. **Kurume Med J** 1981; 28(1):23–7
[Differences in corneal reparation after partial and total alkali burns (author's transl)] Čejková J, et al. **Cesk Oftalmol** 1982 Mar;38(2):76–81 (Eng. Abstr.) **(Cze)**

PHYSIOPATHOLOGY

[Changes of the ocular hydrodynamics of rabbit eyes with perilimbal burns (author's transl)] Obenberger J, et al.

Cesk Oftalmol 1981;37(6):424–7 (Eng. Abstr.) **(Cze)**
[Significance of the limbus for the cornea in burns] Turss R. **Buch Augenarzt** 1982;88:61–7 **(Ger)**
[Experimental study of intraocular pressure in sulfuric acid–induced eye burns of different severity] Nepomiashchaia VM, et al. **Oftalmol Zh** 1981;36(4):234–8 (Eng. Abstr.) **(Rus)**

SURGERY

[Chondrokeratoplasty in vascularized burn leukomas] Gundorova RA, et al. **Vestn Oftalmol** 1982 May–Jun; (3):22–5 (Eng. Abstr.) **(Rus)**

THERAPY

Initial treatment of chemical skin and eye burns. Rodeheaver GT, et al. **Compr Ther** 1982 May;8(5):37–43
[Limits of conservative and surgical therapy of chemical burns of the conjunctiva and cornea] Straub W. **Buch Augenarzt** 1982;(89):1–8 (Eng. Abstr.) **(Ger)**
[Acid burns of the eye. Pathogenesis – therapy – prophylaxis] Karcher H. **Zentralbl Arbeitsmed Arbeitsschutz Prophyl Ergonomie** 1981 Apr;31(4):142–6 **(Ger)**
[Effect of cryotherapy application to burned cornea on collagenase activity in organtypic culture (author's transl)] Zagórski Z. **Klin Oczna** 1981 Oct–Dec;83(10–12):477–8 **(Pol)**
[Treatment experience in eye burns] Stepaniants BB, et al. **Voen Med Zh** 1981 Aug;(8):59–60 **(Rus)**

EYE COLOR

Race, iris pigmentation, and intraocular pressure. Hiller R, et al. **Am J Epidemiol** 1982 May;115(5):674–83
Argon laser iridectomy in densely pigmented irides [letter] Ritch R, et al. **Am J Ophthalmol** 1982 Jun;93(6):800–1
A qualitative study of the melanins from blue and brown human eyes. Menon IA, et al. **Exp Eye Res** 1982 Apr; 34(4):531–7
Fawn-hooded rats, the fawn mutation and interaction of pink-eyed and red-eyed dilution genes. LaVail MM. **J Hered** 1981 Jul–Aug;72(4):286–7
Laranja—an additional eye color gene in the snow series of Apis mellifera L. Soares AE, et al. **J Hered** 1982 Jan–Feb; 73(1):80
Juvenile xanthogranuloma. Harley RD, et al. **J Pediatr Ophthalmol Strabismus** 1982 Jan–Feb;19(1):33–9
The microcosmic eye [editorial] Felts JH. **NC Med J** 1982 May;43(5):367–8
Skin reflectance, iris pigmentation and information processing in children. Floyd HM, et al. **Physiol Behav** 1981 Aug; 27(2):255–9
Pink-eyed dilution mutation in Djungarian hamster. Short communication. Pogosianz HE, et al. **Z Versuchstierkd** 1981;23(5):294–5
[Ontogenesis of hair and eye pigmentation in childhood (author's transl)] Blažek V, et al. **Cas Lek Cesk** 1981 Nov 26;120(47):1469–75 (Eng. Abstr.) **(Cze)**
[A new case of Waardenburg's syndrome] Malbrel C, et al. **Bull Soc Ophtalmol Fr** 1982 Apr;82(4):579–81 (Eng. Abstr.) **(Fre)**
[Body constitution and alcoholism (Is alcoholism inherited?)] Zapatero Dominguez J. **An R Acad Nac Med (Madr)** 1981; 98(3):421–40 **(Spa)**

DRUG EFFECTS

Loxapine as an alternative to phenothiazines in a case of oculocutaneous skin pigmentation. Ewing DG, et al. **Am J Psychiatry** 1981 Dec;138(12):1631–2

EYE DISEASES

ARVO 1982. The Association for Research in Vision and Ophthalmology Incorporated. Annual Spring meeting, Sarasota, Florida, May 2–7, 1982. Abstracts. **Invest Ophthalmol Vis Sci** 1982 Mar;22(3 Suppl):1–304
WVU goes to India for visual survey and treatment project. Raju VK, et al. **W Va Med J** 1981 Oct;77(10):255–9
[Physical exertion and athletic participation in patients with eye diseases] Römhild H. **Cesk Oftalmol** 1982 May; 38(3):176–83 **(Cze)**
[Current ophthalmological problems. Reports of the 4th ophthalmological seminar of the Remky Eye Clinic, Munich] **Buch Augenarzt** 1981;(86):1–219 **(Ger)**
[Nutrition and the eye (editorial)] Guggenheim IK, et al. **Harefuah** 1981 Oct;101(7–8):185 **(Heb)**

BLOOD

T and B lymphocytes in ocular cicatricial pemphigoid. Mondino BJ, et al. **Am J Ophthalmol** 1981 Oct;92(4):536–42
[C-reactive protein content of the blood in diseases of the eye and its adnexa] Kirillichev AI. **Vestn Oftalmol** 1981 Jul–Aug;(4):49–52 (Eng. Abstr.) **(Rus)**

CHEMICALLY INDUCED

Mydriatic and cycloplegic drugs: a review of ocular and systemic complications. Rengstorff RH, et al. **Am J Optom Physiol Opt** 1982 Feb;59(2):162–77 (148 ref.)
Asymmetric anterior segment changes induced by chlorpromazine. Deluise VP, et al. **Ann Ophthalmol** 1981 Aug;13(8):953–5
Ocular complications of systemic steroid after renal transplantation and their association with HLA. Adhikary HP, et al. **Br J Ophthalmol** 1982 May;66(5):290–1
Ocular irritation from high-dose methotrexate therapy: pharmacokinetics of drug in the tear film. Doroshow JH, et al. **Cancer** 1981 Nov 15;48(10):2158–62
Eye toxicity of cancer chemotherapy: a review of the literature. Griffin JD, et al. **Cancer** 1981 Oct 1; 48(7):1539–49 (125 ref.)
Ocular irritation from low-dose methotrexate [letter] Hussain MI. **Cancer** 1982 Aug 1;50(3):605
Ocular side effects of cancer chemotherapy. Vizel M, et al. **Cancer** 1982 May 15;49(10):1999–2002
Genetic differences in drug metabolism associated with ocular toxicity. Shichi H, et al. **Environ Health Perspect** 1982 Apr;44:107–17 (34 ref.)
8-methoxypsoralen and long ultraviolet effects on the rat lens: experiments with high dosage. Koch HR, et al. **Graefes Arch Clin Exp Ophthalmol** 1982;218(4):193–9
Ocular toxicity of ethambutol. Mathur SS, et al. **Indian J Ophthalmol** 1981 Apr;29(1):19–21
Ocular and orbital complications after sclerosing injections in a case of a frontal cutaneous angioma. Chamot L, et al. **Ophthalmologica** 1981;182(4):193–8
Severe cardiac and ophthalmologic malformations in an infant exposed to diphenylhydantoin in utero. Bartoshesky LE, et al. **Pediatrics** 1982 Feb;69(2):202–3
Drug induced ocular lipoidosis. Clemett RS, et al. **Trans Ophthalmol Soc NZ** 1982;34:52–8
[The danger of contact anesthetics in ophthalmology] Offret G, et al. **Bull Acad Natl Med (Paris)** 1981 Feb; 165(2):197–202 (Eng. Abstr.) **(Fre)**
[Eye damage as a result of long-term malaria prophylaxis with chloroquine (author's transl)] Trojan HJ. **Klin Monatsbl Augenheilkd** 1982 Mar;180(3):232–6 (Eng. Abstr.) **(Ger)**
[Computerized perimetry in infants treated with ethambutol (author's transl)] Gramer E, et al. **Klin Padiatr** 1982 Jan; 194(1):52–5 (Eng. Abstr.) **(Ger)**
[Intraocular hemorrhage due to systemic drugs] Romem M, et al. **Harefuah** 1982 Feb 15;102(4):152–3 (Eng. Abstr.) **(Heb)**
[Research on ocular disorders appearing in ethambutol therapy] Cernea P, et al. **Rev Chir [Oftalmol]** 1981 Jul–Sep; 25(3):209–12 (Eng. Abstr.) **(Rum)**
[Allergic manifestations due to dyes, in the ocular sphere] Mihail S, et al. **Rev Chir [Oftalmol]** 1981 Jul–Sep; 25(3):175–6 **(Rum)**
[General medication and its ocular effects] Mihail S. **Rev Chir [Oftalmol]** 1981 Oct–Dec;25(4):241–5 (Eng. Abstr.) **(Rum)**
[Drug therapy of mental disorders and the eye (review)] Gol'dovskaia IL. **Zh Nevropatol Psikhiatr** 1982; 82(3):119–26 (125 ref.) **(Rus)**

CLASSIFICATION

[Classification of the microcirculatory changes in the bulbar conjunctiva in eye diseases] Pil'ganchuk VV. **Vestn Oftalmol** 1982 Jan–Feb;(1):11–4 (Eng. Abstr.) **(Rus)**

COMPLICATIONS

Ocular disorders associated with a new severe acquired cellular immunodeficiency syndrome. Holland GN, et al. **Am J Ophthalmol** 1982 Apr;93(4):393–402
Ophthalmic manifestations of the Hermansky-Pudlak syndrome (oculocutaneous albinism and hemorrhagic diathesis). Simon JW, et al. **Am J Ophthalmol** 1982 Jan; 93(1):71–7
Ocular manifestations of inflammatory bowel disease. Petrelli EA, et al. **Ann Ophthalmol** 1982 Apr;14(4):356–60
Ocular and testicular abnormalities in alopecia areata. Brown AC, et al. **Arch Dermatol** 1982 Aug;118(8):546–54
Bilateral ocular melanocytosis with malignant melanoma of the choroid. Gonder JR, et al. **Br J Ophthalmol** 1981 Dec; 65(12):843–5
Subacute sclerosing panencephalitis (SSPE). A case report. Brudet-Wickel CL, et al. **Doc Ophthalmol** 1982 Jan 29; 52(3–4):241–50
Causes of blindness in The Netherlands. ten Doesschate J. **Doc Ophthalmol** 1982 Jan 29;52(3–4):279–85
Chiasmal syndrome. Ophthalmological and neuro-radiological aspects. van Dalen JT, et al. **Doc Ophthalmol** 1982 Jan 29;52(3–4):259–78
Study of fungus infection of the eye in health, ocular diseases, and in general malnutrition. Mathur SP. **Indian J Ophthalmol** 1981 Dec;29(4):489–93
Ocular manifestations of high altitude. Sharma RC. **Indian J Ophthalmol** 1981 OCT;29(3):261–2
Ocular manifestations of tubercular meningitis and their prognostic value in children. Verma BM, et al. **Indian J Ophthalmol** 1981 OCT;29(3):301–2
Hermansky-Pudlak syndrome: albinism with lipofuscin storage. Fagadau WR, et al. **Int Ophthalmol** 1981 Aug; 4(1–2):113–22
Visual acuity as a function of age. Pitts DG. **J Am Optom Assoc** 1982 Feb;53(2):117–24
A vision screening of a Down's syndrome population. Warshowsky J. **J Am Optom Assoc** 1981 Jul;52(7):605–7
Oculomotor abnormalities in chronic GM2 gangliosidosis. Musarella MA, et al. **J Pediatr Ophthalmol Strabismus** 1982 Mar–Apr;19(2):80–9
Ocular findings in arthrogryposis multiplex congenita. Paez JH, et al. **J Pediatr Ophthalmol Strabismus** 1982 Mar–Apr; 19(2):75–9
Rheumatic diseases in children. Spiera H. **J Pediatr Ophthalmol Strabismus** 1982 Mar–Apr; 19(2):103–7
Leukemia in children—a review. Weiner MA, et al. **J Pediatr Ophthalmol Strabismus** 1982 Jul–Aug;19(4):47–52
Ocular manifestations of rheumatic disease: (part ii). Dorman W. **Minn Med** 1981 Nov;64(11):699
Ocular pathology of Fabry's disease in a hemizygous male following renal transplantation. Riegel EM, et al. **Surv Ophthalmol** 1982 Mar–Apr;26(5):247–52
The eye in the Marfan syndrome. Maumenee IH. **Trans Am Ophthalmol Soc** 1981;79:684–733 (46 ref.)
[Ocular lesions of porphyria] Hamard H, et al. **Bull Soc Ophtalmol Fr** 1982 Apr;82(4):583–5 **(Fre)**
[Complications of artificial lenses] Mercadier B, et al. **Bull Soc Ophtalmol Fr** 1982 Apr;82(4):551–4 **(Fre)**
[Malignant non-Hodgkin's lymphoma with visual disorders and nephrotic syndrome] Flury W, et al. **Schweiz Med Wochenschr** 1982 Mar 27;112(13):448–53 (Eng. Abstr.) **(Ger)**
[The ophthalmologist and headache] Boles Carenini B, et al. **Minerva Med** 1982 Mar 24;73(12):651–64 **(Ita)**
[Ocular hypotonia] Mihail S. **Rev Chir [Oftalmol]** 1981 Apr–Jun;25(2):81–3 **(Rum)**
[Ophthalmologic findings in patients with arterial hypertension during an epidemiological examination of the Odessa population] Zolotarev AE, et al. **Oftalmol Zh** 1981; 36(8):472–4 (Eng. Abstr.) **(Rus)**
[Clinical aspects of the effect of exposure to an alternating magnetic field on postoperative complications] Verzin AA, et al. **Vestn Oftalmol** 1982 May–Jun;(3):56–7 (Eng. Abstr.) **(Rus)**
[Eye alterations in malignant lymphoma (author's transl)] Kačmárová A, et al. **Cesk Oftalmol** 1981 Sep;37(5):345–8 (Eng. Abstr.) **(Slo)**

CONGENITAL

Enlargement of congenital hypertrophy of the retinal pigment epithelium. Boldrey EE, et al. **Am J Ophthalmol** 1982 Jul;94(1):64–6
[Endocrinology investigations in a girl with leopard syndrome (author's transl)] Balducci R, et al. **Arch Fr Pediatr** 1982 Jan;39(1):23–5 (Eng. Abstr.) **(Fre)**

DIAGNOSIS

Visual acuity of infants with ocular diseases. Jacobson SG, et al. **Am J Ophthalmol** 1982 Feb;93(2):198–209
The diagnosis and prognosis of atypical carotid-cavernous fistula (red-eyed shunt syndrome). Phelps CD, et al. **Am J Ophthalmol** 1982 Apr;93(4):423–36
Neuro-ophthalmic systemic lupus erythematosis misdiagnosed as hysterical blindness. Stoudemire A, et al. **Am J Psychiatry** 1982 Sep;139(9):1194–6
Steady-state and transient visual evoked potentials in clinical practice. Celesia GG. **Ann NY Acad Sci** 1982;388:290–307
Computer-generated display for three-dimensional static perimetry. Hart WM Jr, et al. **Arch Ophthalmol** 1982 Feb; 100(2):312–8
Centrifugal cytology of ocular fluids. Stulting RD, et al. **Arch Ophthalmol** 1982 May;100(5):822–5
Experiences with fluorophotometry. Brooks AM. **Aust J Ophthalmol** 1982 Feb;10(1):41–51
Spatial contrast sensitivity revisited [editorial] **Br J Ophthalmol** 1981 Aug;65(8):513–4
Ultrasonography of the eye. Hassani SN, et al. **CRC Crit Rev Diagn Imaging** 1982 Feb;17(3):161–216 (67 ref.)
Evaluation of orbital and eye lesions by radiographic examination, ultrasound, and computerized tomography. Weber AL, et al. **CRC Crit Rev Diagn Imaging** 1982 Apr; 17(4):277–321 (81 ref.)
Normal variations in the thermographic pattern of the orbito-ocular region. Aliò J, et al. **Diagn Imaging** 1982 Mar–Apr;51(2):93–8
Severe external ophthalmomyiasis due to larvae of Wohlfahrtia sp. Baruch E, et al. **Isr J Med Sci** 1982 Jul; 18(7):815–6
Part II. Diagnostic outcomes of optometric referrals in a VA medical center. Newcomb RD, et al. **J Am Optom Assoc** 1981 Jul;52(7):599–604
Method to demonstrate the sclera in the newborn [letter] Whitaker HS. **J Fam Pract** 1982 May;14(5):826
Bayes' theorem in ophthalmologic computer diagnosis. Leveille AS, et al. **J Pediatr Ophthalmol Strabismus** 1982 Mar–Apr;19(2):94–6
Laboratory screening for metabolic eye disease: a review. Winder AF. **J R Soc Med** 1981 Aug;74(8):610–5
The Marton Lecture: ultrasound in ophthalmic optics. Storey JK. **Ophthalmic Physiol Opt** 1981;1(3):133–57
A microcomputer-based averager. van Marle GW, et al. **Ophthalmic Res** 1982 Jan–Feb;14(1):22–8
Intraocular gnathostomiasis. Bathrick ME, et al. **Ophthalmology (Rochester)** 1981 Dec;88(12):1293–5
Ocular toxocariasis presenting as leukocoria in a patient with low ELISA titer to Toxocara canis. Searl SS, et al. **Ophthalmology (Rochester)** 1981 Dec;88(12):1302–6

The infected eye. Falcon MG. **Practitioner** 1982 May; 226(1367):839–44
Diagnostic ultrasonography in ophthalmology. Truelove P. **Radiography** 1981 Dec;47(564):301–8
The use of ultrasound in ocular diagnosis. Goldberg HL, et al. **S Afr Med J** 1982 Sep 18;62(13):443–6
Ophthalmological examination of the infant. Developmental aspects. Hoyt CS, et al. **Surv Ophthalmol** 1982 Jan–Feb; 26(4):177–89 (187 ref.)
Fluorescein. Physiochemical factors affecting its fluorescence. Romanchuk KG. **Surv Ophthalmol** 1982 Mar–Apr;26(5):269–83
Graves' ophthalmopathy. A clinical and immunologic review. Sergott RC, et al. **Surv Ophthalmol** 1981 Jul–Aug; 26(1):1–21
[The application of B-scan ultrasonography in ophthalmology (author's transl)] Song GX. **Chung Hua Yen Ko Tsa Chih** 1981 Jan;17(1):1–4 **(Chi)**
[Dystrophia mesodermalis congenita (author's transl)] Kudrnovský J. **Cesk Oftalmol** 1982 Jan;38(1):33–6 (Eng. Abstr.) **(Cze)**
[The disease pattern in hospitalized eye patients from Greenland] Klauber A. **Ugeskr Laeger** 1982 Feb 22; 144(8):574–6 (Eng. Abstr.) **(Dan)**
[20 years of fluorescence angiography of the fundus oculi] Oosterhuis JA. **Ned Tijdschr Geneeskd** 1981 Sep 12; 125(37):1496–500 **(Dut)**
[Value of A,B,D and CV echography with memory in ophthalmology] Poujol J. **Bull Mem Soc Fr Ophtalmol** 1981;93:269–75 **(Fre)**
[Clinical examination and semiologic value of the superficial lacrimal lipid film] Royer J, et al. **Bull Mem Soc Fr Ophtalmol** 1981;93:183–6 **(Fre)**
[Objective methods of tissue characterization using ultrasound. Prospectives for clinical application in ophthalmology] Weigelin E, et al. **Bull Mem Soc Fr Ophtalmol** 1981;93:332–5 **(Fre)**
[One year of echography B] Geerts D, et al. **Bull Soc Belge Ophtalmol** 1981;192:11–21 (Eng. Abstr.) **(Fre)**
[Ultrasonography and computed tomography in ophthalmological practice: comparative value during exploration of the eye and orbit (author's transl)] Toufic N, et al. **J Fr Ophtalmol** 1981;4(6–7):487–502 (Eng. Abstr.) **(Fre)**
[Neuro-ophthalmology: diagnosis and surgery] **Buch Augenarzt** 1981;(86):50–134 **(Ger)**
[Indications for the examination of infants under general anesthesia] Thiel HJ. **Buch Augenarzt** 1982;(89):186–95 (Eng. Abstr.) **(Ger)**
[Supranuclear and internuclear ocular motor disorders (author's transl)] Kömpf D. **Fortschr Neurol Psychiatr** 1982 May;50(5):143–64 (Eng. Abstr.) **(Ger)**
[Clinical experience with A- and B-scan ultrasonographie (author's transl)] Konstas P, et al. **Klin Monatsbl Augenheilkd** 1982 Jan;180(1):45–8 (Eng. Abstr.) **(Ger)**
[Analysis of echographic findings in 745 cases (author's transl)] Sayegh FN. **Klin Monatsbl Augenheilkd** 1982 Jan; 180(1):40–4 (Eng. Abstr.) **(Ger)**
[Quality assurance for diagnostic ultrasonic equipment in A- and B-mode in ophthalmology (author's transl)] Trier HG. **Klin Monatsbl Augenheilkd** 1982 Jan;180(1):103–7 (Eng. Abstr.) **(Ger)**
[Ophthalmological emergencies in general practice (author's transl)] Bigar F. **Praxis** 1982 May 4;71(18):779–82 **(Ger)**
[Diagnostic errors in ophthalmology] Tost M. **Z Arztl Fortbild (Jena)** 1981 Sep 1;75(17):796–7 **(Ger)**
[Microbiological diagnosis of upper respiratory tract, ear and eye infections] **Zentral Bakteriol Mikrobiol Hyg [A]** 1981; 250(1–2):9–24 **(Ger)**
[Studies on thermography in ophthalmology (Report III)--thermal recovery test for ophthalmic use(2) (author's transl)] Kabayama T, et al. **Nippon Ganka Gakkai Zasshi** 1982;86(1):116–26 (Eng. Abstr.) **(Jpn)**
[Image treatment in the eye in a ultrasound diagnosis and clinical significance. VII. New microcomputer-aided imaging techniques with distance measurement (author's transl)] Yamamoto Y, et al. **Nippon Ganka Gakkai Zasshi** 1981 Aug 10;85(8):1009–19 (Eng. Abstr.) **(Jpn)**
[Status of the eye in children with speech disorders] Utkin VF. **Oftalmol Zh** 1981;36(3):188–9 **(Rus)**
[Extrathoracic and disseminated sarcoidosis in children, teenagers, and adolescents] Borisova NK, et al. **Probl Tuberk** 1982 Apr;(4):44–6 **(Rus)**
[Ocular pathology in nonspecific aortoarteritis] Katsnel'son LA, et al. **Vestn Oftalmol** 1982 May–Jun;(3):37–40 (Eng. Abstr.) **(Rus)**
[Ultrasonic dopplerography in the diagnosis of vascular eye diseases] Krasnov MM, et al. **Vestn Oftalmol** 1981 Nov–Dec;(6):26–7 (Eng. Abstr.) **(Rus)**

DRUG THERAPY

Bacterial endophthalmitis: culture proven failure of combined systemic, periocular, and topical antibiotics. Mirate DJ, et al. **Ann Ophthalmol** 1981 Dec;13(12):1341–2
Medical therapy for experimental hypotony. Pederson JE, et al. **Arch Ophthalmol** 1982 May;100(5):815–7
Oxytetracycline in the treatment of ocular rosacea: a double-blind trial. Bartholomew RS, et al. **Br J Ophthalmol** 1982 Jun;66(6):386–8
Topical tobramycin and gentamicin sulfate in the treatment of ocular infections: multicenter study. Cagle G, et al. **Curr Eye Res** 1981–82;1(9):523–34
BB-K 122: in vitro and in vivo activity against ocular pathogens. Schlech BA, et al. **Curr Eye Res** 1981; 1(7):409–17
Trifluridine: a review of its antiviral activity and therapeutic use in the topical treatment of viral eye infections. Carmine AA, et al. **Drugs** 1982 May;23(5):329–53 (90 ref.)
Reduction of thyroid uptake by iodine absorbed with eye-drop therapy [letter] Ceccarelli C, et al. **J Nucl Med** 1982 Apr;23(4):364
The effect of econazole in experimental oculomycosis in rabbits. Rysselaere M. **Mykosen** 1981 Apr;24(4):238–40
Ocular therapeutics. Jeglum EL. **Nurs Clin North Am** 1981; 16(3):453–77
Immunosuppressive therapy for progressive ocular cicatricial pemphigoid. Foster CS, et al. **Ophthalmology (Rochester)** 1982 Apr;89(4):340–53
A substance P antagonist, [D-Pro2, D-Trp7,9]SP, inhibits inflammatory responses in the rabbit eye. Holmdahl G, et al. **Science** 1981 Nov 27;214(4524):1029–31
[Clinical results with a complex conservative treatment method in infiltrative ophthalmopathy (preliminary report)] Bozadzhieva E, et al. **Vutr Boles** 1981;20(5):86–93 (Eng. Abstr.) **(Bul)**
[Eye drug therapy. Principles and practice] Fechner PU, et al. **Buch Augenarzt** 1982;(67):1–270 **(Ger)**
[Preclinical and clinical evaluation of micronomicin sulfate eye drops (author's transl)] Mitsui Y. **Jpn J Antibiot** 1982 Mar;35(3):784–8 (Eng. Abstr.) **(Jpn)**
[Clinical experience of amikacin eye lotion (author's transl)] Sone Y, et al. **Jpn J Antibiot** 1981 Jul;34(7):1058–62 **(Jpn)**
[Standardization of evaluation of antibiotic ophthalmic solution and ointment (author's transl)] Mitsui Y, et al. **Nippon Ganka Gakkai Zasshi** 1982;86(1):20–3 (Eng. Abstr.) **(Jpn)**
[Prospects in antibiotic treatment of ophthalmologic diseases] Oishi M. **Nippon Rinsho** 1981 Jan;39(1):92–7 **(Jpn)**
[Aspects of treatment with immunosuppressive agents in ophthalmology] Micşa MV, et al. **Rev Chir [Oftalmol]** 1981 Jul–Sep;25(3):233–5 **(Rum)**
[The use of new non-steroid anti-inflammatory agents in ophthalmology] Murariu-Bogdan M. **Rev Chir [Oftalmol]** 1981 Oct–Dec;25(4):293–4 **(Rum)**
[Sorbitol in ophthalmology] Petrescu AD. **Rev Chir [Oftalmol]** 1980 Jul–Sep;24(3):161–4 (Eng. Abstr.) **(Rum)**

ENZYMOLOGY

Aqueous humor lactic dehydrogenase activity in normal and diseased eyes. Aksu G. **Ann Ophthalmol** 1981 Sep; 13(9):1067–8
Aldose reductase in diabetic complications of the eye. Kinoshita JH, et al. **Metabolism** 1979 Apr;28(4 Suppl 1):462–9 (30 ref.)

ETIOLOGY

Ocular manifestations of Kawasaki's disease (mucocutaneous lymph node syndrome). Ohno S, et al. **Am J Ophthalmol** 1982 Jun;93(6):713–7
Ocular findings in the intravenous drug abuser. Lederer CM Jr, et al. **Ann Ophthalmol** 1982 May;14(5):436–8
Periodic alternating ping-pong gaze. Masucci EF, et al. **Ann Ophthalmol** 1981 Oct;13(10):1123–7
Ophthalmic manifestations of systemic neoplasia. a review and report of 11 cases. Kappagoda MB, et al. **Aust J Ophthalmol** 1981 Nov;9(4):267–72
Radiation damage after pterygium treatment. Tarr KH, et al. **Aust J Ophthalmol** 1981 May;9(2):97–101
Ocular involvement in the Stevens-Johnson syndrome. Rogers M, et al. **Australas J Dermatol** 1981 Dec;22(3):89–90
Infection with contact lens wear [letter] Monno R, et al. **Boll Ist Sieroter Milan** 1981 Nov;60(5):446–7
Ophthalmological study of epidemic dropsy. Rathore MK. **Br J Ophthalmol** 1982 Sep;66(9):573–5
Post-operative retrobulbar haemorrhage and blindness complicating trauma surgery. Ord RA. **Br J Oral Surg** 1981 Sep;19(3):202–7
Late complications of choroidal ruptures. Leys A, et al. **Bull Soc Belge Ophtalmol** 1981;193:137–41
Acid rain and the eye [letter] Basu PK. **Can Med Assoc J** 1981 Aug 15;125(4):338
Eye findings in intrauterine infections. Schaffer DB. **Clin Perinatol** 1981 Oct;8(3):415–43 (66 ref.)
Posterior chamber lenses--1,000 cases. Gills JP, et al. **Contact Intraocular Lens Med J** 1981 Oct–Dec;7(4):351–4
Immunological aspects of intraocular lenses. Galin MA, et al. **Int Ophthalmol Clin** 1982 Summer;22(2):227–34 (19 ref.)
Eye involvement in Kawasaki disease. Burke MJ, et al. **J Pediatr Ophthalmol Strabismus** 1981 Sep–Oct;18(5):7–11
Loss of accommodation and the near response in Wilson's disease. Curran RE, et al. **J Pediatr Opnthalmol Strabismus** 1982 May–Jun; 19(3):157–60
Brown's syndrome - a possible etiology explained embryologically. Sevel D. **J Pediatr Ophthalmol Strabismus** 1981 Sep–Oct;18(5):26–31
Sarcoidosis: an expanding ophthalmic horizon. Henkind P. **J R Soc Med** 1982 Mar;75(3):153–9
Ocular phototoxicity and psoralen plus ultraviolet radiation (320–400 nm) therapy: an experimental and clinical evaluation. Lerman S. **JNCI** 1982 Jul;69(1):287–302
Endophthalmitis in aphakic patients with unplanned filtering blebs wearing contact lenses. Bellows AR, et al. **Ophthalmology (Rochester)** 1981 Aug;88(8):839–43
The significance of disc hemorrhage in open-angle glaucoma. Shihab ZM, et al. **Ophthalmology (Rochester)** 1982 Mar; 89(3):211–3
Spontaneous enophthalmos associated with chronic maxillary sinusitis. Wilkins RB, et al. **Ophthalmology (Rochester)** 1981 Sep;88(9):981–5
The rheumatic eye. Williamson J. **Practitioner** 1982 May; 226(1367):863–74
The eye in connective tissue diseases. Maumenee IH. **Prog Clin Biol Res** 1982;82:53–6
Ocular manifestations of multiple myeloma, Waldenström's macroglobulinemia and benign monoclonal gammopathy. Orellana J, et al. **Surv Ophthalmol** 1981 Nov–Dec; 26(3):157–69
The Montgomery Lecture, 1980. Endocrine ophthalmopathy. Bouzas AG. **Trans Ophthalmol Soc UK** 1980;100(4):511–20 (55 ref.)
[Ocular manifestations of paragonimiasis szechuanensis (author's transl)] Lu WX, et al. **Chung Hua I Hsueh Tsa Chih** 1981 May;61(5):287–9 (Eng. Abstr.) **(Chi)**
[Ocular signs in chronic cor-pulmonale: analysis of 40 cases (author's transl)] Qu L. **Chung Hua Yen Ko Tsa Chih** 1979 May;15(2):105–8 **(Chi)**
[A preliminary report on ocular symptoms in late stage of schistosomiasis japonica (author's transl)] Tang GF. **Chung Hua Yen Ko Tsa Chih** 1979 May;15(2):109–11 **(Chi)**
[Ocular manifestations of epidemic hemorrhagic fever (author's transl)] Tu QA. **Chung Hua Yen Ko Tsa Chih** 1981 Mar;17(2):95–7 **(Chi)**
[Automutilation in the general hospital] Vecht-van den Bergh R. **Ned Tijdschr Geneeskd** 1982 Feb 20;126(8):313–6 **(Dut)**
[Ocular complications of onchocercosis] Maertens K. **Ann Soc Belg Med Trop** 1981 Jun;61(2):199–224 (98 ref.) **(Fre)**
[Ocular complications of cerebral malaria] Kayembe D, et al. **Bull Soc Belge Ophtalmol** 1980;190:53–60 (Eng. Abstr.) **(Fre)**
[Ocular manifestations of multiple myeloma] Bec P, et al. **Bull Soc Ophtalmol Fr** 1982 Jan;82(1):127–8 **(Fre)**
[Ocular complications in prolapse of the mitral valve : apropos of 3 cases] Offret H, et al. **Bull Soc Ophtalmol Fr** 1981 Dec;81(12):1103–5 **(Fre)**
[Severe ocular manifestations in a case of Takayasu's disease] Offret H, et al. **Bull Soc Ophtalmol Fr** 1981 Dec; 81(12):1171–2 **(Fre)**
[Expulsive haemorrhage: considerations on a possible solution (author's transl)] Bordeianu CD. **J Fr Ophtalmol** 1982;5(4):257–61 (Eng. Abstr.) **(Fre)**
[The eye and cavernous sinus disorders (author's transl)] Detry-Morel M. **J Fr Ophtalmol** 1981;4(8–9):603–18 (Eng. Abstr.) **(Fre)**
[Dysmorphic idiopathic dwarfisms and their ocular manifestations] François J. **J Fr Ophtalmol** 1981; 4(6–7):511–24 (92 ref.) **(Fre)**
[Ophtalmic involvement in cutaneous leishmaniasis (author's transl)] Aouchiche M, et al. **Med Trop (Mars)** 1981 Sep–Oct;41(5):519–22 (Eng. Abstr.) **(Fre)**
[Microfilaruria and ocular onchocerciasis (author's transl)] Ba O, et al. **Tropenmed Parasitol** 1981 Sep;32(3):181–3 (Eng. Abstr.) **(Fre)**
[Ophthalmological occupational medicine (ergophthalmology)] Merté HJ. **Zentralbl Arbeitsmed Arbeitsschutz Prophyl Ergonomie** 1981 May;31(5):186–90 **(Ger)**
[Ocular signs in coma caused by cranial injury] Gioetto M. **Chir Ital** 1981 Apr;33(2):560–78 (28 ref.) (Eng. Abstr.) **(Ita)**
[Four cases of eye lesions due to postoperative muco-pyoceles of the nasal accessory sinuses. Experience of pansinectomy and decomposition of the optic canal (author's transl)] Niho M. **Nippon Jibiinkoka Gakkai Kaiho** 1981 Aug;84(8):826–35 (Eng. Abstr.) **(Jpn)**
[Data on ocular complications of juvenile diabetes] Cânciu G. **Rev Chir [Oftalmol]** 1981 Jul–Sep;25(3):169–73 (Eng. Abstr.) **(Rum)**
[Ocular diseases in diabetes mellitus] Harnagea E, et al. **Rev Chir [Oftalmol]** 1981 Jul–Sep;25(3):187–9 (Eng. Abstr.) **(Rum)**
[Ocular manifestations in arterial hypertension (apropos of a case)] Mihail S, et al. **Rev Chir [Oftalmol]** 1980 Jul–Sep; 24(3):187–8 (Eng. Abstr.) **(Rum)**
[Ocular involvement in orbital osteoma] Segal N, et al. **Rev Chir [Oftalmol]** 1981 Jul–Sep;25(3):191–4 (Eng. Abstr.) **(Rum)**
[Mycotic infections as possible complications in penetrating eye injuries] Karimov MK. **Oftalmol Zh** 1981;36(4):214–6 (Eng. Abstr.) **(Rus)**
[Ophthalmologic manifestations of meningiomas of the optic nerve canal] Serova NK. **Vestn Akad Med Nauk SSSR** 1981;(6):81–4 (Eng. Abstr.) **(Rus)**
[Cytomegaloviruses: their role in human pathology]

Rozanova EB. **Vestn Oftalmol** 1982 Jan–Feb;(1):68–71 (42 ref.) **(Rus)**
[Pathogenetic forms of influenzal infection of the eye] Zaĭtseva NS, et al. **Vestn Oftalmol** 1981 Jul–Aug;(4):37–40 (Eng. Abstr.) **(Rus)**
[Ocular toxoplasmosis] Chanis R Jr. **Rev Med Panama** 1982 Jan;7(1):3–10 (Eng. Abstr.) **(Spa)**

FAMILIAL & GENETIC

Genetics and counselling in ophthalmology. Keith CG. **Aust J Ophthalmol** 1981 Feb;9(1):74–6
Interstitial deletion 4q and Rieger syndrome. Ligutić I, et al. **Clin Genet** 1981 Nov;20(5):323–7
Autosomal dominant ophthalmologic disorders and linkage. Hittner HM, et al. **J Pediatr Ophthalmol Strabismus** 1982 Jan–Feb;19(1):40–7
Progress in clinical and biological research. **Prog Clin Biol Res** 1982;82:1–169
[Investigative studies on some blinding hereditary eye diseases (author's transl)] Cao DJ. **Chung Hua Yen Ko Tsa Chih** 1981 Jul;17(4):233–6 **(Chi)**
[Genetic counseling and poor-sighted children] François J. **Annee Ther Clin Ophtalmol** 1980;31:43–61 (Eng. Abstr.) **(Fre)**
[Syndrome 13 q and ophthalmologic manifestations] Lods F, et al. **Bull Soc Ophtalmol Fr** 1982 Jan;82(1):33–5 (Eng. Abstr.) **(Fre)**
[Xeroderma pigmentosum (author's transl)] Gharbi MR. **Ther Umsch** 1982 Mar;39(3):193–201 (Eng. Abstr.) **(Fre)**

IMMUNOLOGY

Antibody to Toxocara canis in the aqueous humor. Felberg NT, et al. **Arch Ophthalmol** 1981 Sep;99(9):1563–4
HLA antigens in Stevens–Johnson syndrome with ocular involvement. Mondino BJ, et al. **Arch Ophthalmol** 1982 Sep;100(9):1453–4
Immunopathology of ascarid infection of the eye. Role of IgE antibodies and mast cells. Rockey JH, et al. **Arch Ophthalmol** 1981 Oct;99(10):1831–40
Immune complex disease with fatal pulmonary hemorrhage: its occurrence in a patient with myasthenia gravis. Kradin RL, et al. **Arch Pathol Lab Med** 1981 Nov;105(11):582–5
HLA determination in an ophthalmological population. Verbraeken H, et al. **Bull Soc Belge Ophtalmol** 1980; 191:55–63
Ocular immunology: a review (second of two parts). Jackson WB, et al. **Can J Ophthalmol** 1981 Apr;16(2):59–65 (46 ref.)
Ocular anaphylaxis: induction by local injection of antigen. Allansmith MR, et al. **Immunology** 1981 Nov;44(3):623–7
HLA antigens in the pseudoexfoliation syndrome. Eustace P, et al. **Trans Ophthalmol Soc UK** 1980;100(4):510
[HLA system] **Buch Augenarzt** 1981;(86):199–219 **(Ger)**
[Possible association of some eye diseases with the HL-A histocompatibility system] Popescu MP. **Rev Chir [Oftalmol]** 1981 Jul–Sep;25(3):165–8 (00 ref.) (Eng. Abstr.) **(Rum)**
[Dynamics of the specific antibody titers in eye diseases of influenzal and enteroviral etiology] Belogubko EI, et al. **Oftalmol Zh** 1981;36(3):173–5 (Eng. Abstr.) **(Rus)**
[Phagocytic activity of the peripheral neutrophils in eye diseases] Kornilova AF, et al. **Oftalmol Zh** 1982;37(1):30–2 (Eng. Abstr.) **(Rus)**
[B-lymphocytes in chronic herpetic and adenovirus eye infections] Mal'khanov VB. **Vopr Virusol** 1982 Mar–Apr; 27(2):238–40 (Eng. Abstr.) **(Rus)**

METABOLISM

Lipid-protein constituents of human corneal arcus. Sheraidah GA, et al. **Atherosclerosis** 1981 Aug–Sep;40(1):91–8
[Metabolic errors of the cystinuria-lysinuria, cystinosis type detected in the newborn infant and child with renal and ocular diseases] Tănase-Mogoş I, et al. **Physiologie** 1981; 18(3):187–95 **(Fre)**

MICROBIOLOGY

Endophthalmitis caused by Moraxella nonliquefaciens. Ebright JR, et al. **Am J Clin Pathol** 1982 Mar;77(3):362–3
A new understanding of ocular herpetic disease. Kaufman HE. **Am J Ophthalmol** 1982 Jul;94(1):119–21
Detection of Pseudomonas aeruginosa eye infections by ultraviolet light. Weiss JN, et al. **Ann Ophthalmol** 1982 Mar; 14(3):242–4
Pseudomonas aeruginosa: isolation from ocular tissues. Aeruginocin typing and its relationship to corneal pathogenicity in rabbits. Mahajan VM, et al. **Int Ophthalmol** 1982 Feb;4(3):169–76
Chlamydial ocular infection. Darougar S. **J Antimicrob Chemother** 1981 Nov;8(5):350–4
[Causative bacteria of recent external infections of the eye (author's transl)] Kotera K. **Nippon Ganka Gakkai Zasshi** 1981 Jun 10;85(6):419–25 (Eng. Abstr.) **(Jpn)**
[Eye lesions in cytomegalovirus infection] Malchuk IuF. **Oftalmol Zh** 1981;36(3):179–84 (120 ref.) **(Rus)**

OCCURRENCE

Arcus senilis: an important forensic physical finding. Patterson L. **Am J Forensic Med Pathol** 1982 Jun;3(2):115–8
Prevalence of ocular disease in a population study of subjects 65 years old and older. Martinez GS, et al. **Am J Ophthalmol** 1982 Aug;94(2):181–9
Feedback on prekindergarteners failing vision screenings. Cohen J. **Am J Optom Physiol Opt** 1981 Oct;58(10):848–54
The validity of a screening test. Reynolds DC. **Am J Optom Physiol Opt** 1982 Jan;59(1):67–71
An ophthalmic review of cerebral palsy in Queensland 1980. O'Malley J, et al. **Aust J Ophthalmol** 1981 May;9(2):91–5
The prevalence of visual deficiencies among 1979 general aviation accident airmen. Dille JR, et al. **Aviat Space Environ Med** 1982 Feb;53(2):179–82
Statistics on a routine 'optometric' practice. Incidence of suspected ocular disease. Kaplan LJ. **Ophthalmology (Rochester)** 1982 Feb;89(2):41A–43A
Aspects of ocular disease in Southern Africa. Etzine S. **Rev Int Trach Pathol Ocul Trop Subtrop** 1980;57(4):55–62 **(Eng, Fre)**
Viral ocular infections now in Tunisia. Mabrouk R. **Rev Int Trach Pathol Ocul Trop Subtrop** 1980;57(4):63–70 **(Eng, Fre)**
[Eye diseases and ophthalmological care in a developing country (author's transl)] Mandl A, et al. **Klin Monatsbl Augenheilkd** 1981 Dec;179(6):463–4 (Eng. Abstr.) **(Ger)**
[Who will take care of patients with eye problems?] Grini-Johansen W, et al. **Tidsskr Nor Laegeforen** 1981 Sep 20;101(26):1472–5 **(Nor)**
[State of the eyes in children with cleft lip and cleft palate] Utkin VF. **Oftalmol Zh** 1981;36(4):246–7 **(Rus)**
[Geographical factors and eye morbidity] Lantukh VV. **Vestn Oftalmol** 1982 Mar–Apr;(2):56–63 (172 ref.) **(Rus)**

PARASITOLOGY

Philophthalmus sp. (Trematoda) in a human eye. Mimori T, et al. **Am J Trop Med Hyg** 1982 Jul;31(4):859–61
Macular and peripheral subretinal cysticercosis. Aracena T, et al. **Ann Ophthalmol** 1981 Nov;13(11):1265–7
Ophthalmomyiasis. Stealhy LP, et al. **Ann Ophthalmol** 1982 Feb;14(2):137–9
Bilateral multifocal intraocular cysticercosis. Topilow HW, et al. **Ophthalmology (Rochester)** 1981 Nov;88(11):1166–72
External ophthalmomyiasis caused by Oestrus ovis [letter] Richards TD. **S Afr Med J** 1982 Jan 9;61(2):32
Human dirofilariasis. A report of the first case of ocular dirofilariasis in the Netherlands and a review of the literature. Bruijning CF. **Trop Geogr Med** 1981 Sep; 33(3):295–305
[Ophthalmomyiasis caused by Oestrus ovis (letter)] Engelbrecht PM. **S Afr Med J** 1982 Jan 16;61(3):70 **(Afr)**
[A case of external ophthalmomyiasis by Oestrus ovis, Linné, 1758 caught on the Nice beach (author's transl)] Le Fichoux Y, et al. **Acta Trop (Basel)** 1981 Dec;38(4):461–8 (Eng. Abstr.) **(Fre)**
[Intraocular myiasis caused by Hypodermatidae] Reny A, et al. **Bull Mem Soc Fr Ophtalmol** 1981;93:243–53 **(Fre)**
[Ocular myiasis (author's transl)] Ducourneau D. **Med Trop (Mars)** 1981 Sep–Oct;41(5):511–4 (Eng. Abstr.) **(Fre)**
[Ophthalmomyiasis] Grüntzig J, et al. **Fortschr Med** 1981 Nov 26;99(44):1852–7 (Eng. Abstr.) **(Ger)**

PATHOLOGY

Chemical and mechanical influence of intraocular lenses on rabbit eye tissue. Fyodorov SN, et al. **Ann Ophthalmol** 1981 Nov;13(11):1259–64
Ocular findings in xeroderma pigmentosum: report of two cases. Stenson S. **Ann Ophthalmol** 1982 Jun;14(6):580–5
Bilateral posterior internal ophthalmomyiasis. Vine AK, et al. **Ann Ophthalmol** 1981 Sep;13(9):1041–3
Combined detachments in Wegener's granulomatosis. Leveille AS, et al. **Br J Ophthalmol** 1981 Aug;65(8):564–7
Full-thickness eye-wall biopsy: long-term results in 9 patients. Peyman GA, et al. **Br J Ophthalmol** 1981 Oct; 65(10):723–6
Ocular changes in limited forms of Wegener's granulomatosis. Spalton DJ, et al. **Br J Ophthalmol** 1981 Aug;65(8):553–63
Some aspects of eye disease in the Transkei. Huggan JD. **Bristol Med Chir J** 1980;95(355–356):11
Bilateral endogenous endophthalmitis. Neetens A, et al. **Bull Soc Belge Ophtalmol** 1981;193:123–30
Specular microscopy of the cornea. Laing RA. **Curr Top Eye Res** 1980;3:157–218
Rhinosporidiosis affecting the palpebral conjunctiva: a case report. Beiske K, et al. **Ethiop Med J** 1982 Jul;20(3):135–9
Symposium on ophthalmic surgical pathology, Part I. Introduction. Jakobiec FA, et al. **Hum Pathol** 1982 Feb; 13(2):98–112 (232 ref.)
Ocular tumors and other ocular pathology: a Chinese-American collaborative study. **Int Ophthalmol Clin** 1982 Fall;22(3):1–231
Oculoglandular tularemia - a case report. Chappell CW, et al. **J Arkansas Med Soc** 1981 Aug;78(3):128–30
Central serous chorioretinopathy: some considerations on the pathogenesis. Piccolino FC. **Ophthalmologica** 1981; 182(4):204–10
An unusual case of ocular involvement in primary systemic nonfamilial amyloidosis. Schwartz MF, et al. **Ophthalmology (Rochester)** 1982 Apr;89(4):394–401
[Ocular sarcoidosis (report of 10 cases) (author's transl)] Gao Y. **Chung Hua Yen Ko Tsa Chih** 1981 Sep;17(5):257–60 **(Chi)**
[Ocular histiocytosis X (report of 4 cases) (author's transl)] Gong QR. **Chung Hua Yen Ko Tsa Chih** 1982 Jan;18(1):53–6 **(Chi)**
[A clinicopathologic analysis of 33 cases of ocular disorders easily confused with retinoblastoma (author's transl)] Sun XL. **Chung Hua Yen Ko Tsa Chih** 1981 Sep;17(5):271–3 **(Chi)**
[Neurological manifestations of oculodentodigital dysplasia: a case report (author's transl)] Audry D, et al. **Rev Otoneuroophtalmol** 1981 May–Jun;53(3):209–14 (Eng. Abstr.) **(Fre)**
[Sarcoidosis of the eyes] Bettinger F. **Internist (Berlin)** 1982 Jun;23(6):342–7 **(Ger)**
[A case of internal ophthalmomyiasis in Kenya (author's transl)] Dechant W, et al. **Klin Monatsbl Augenheilkd** 1981 Nov;179(5):368–9 (Eng. Abstr.) **(Ger)**
[Pathology and clinical picture of sarcoidosis in the posterior segment of the globe (author's transl)] Faber W, et al. **Klin Monatsbl Augenheilkd** 1982 Mar;180(3):220–2 (Eng. Abstr.) **(Ger)**
[Investigations on the association between the exfoliation syndrome and autoimmunity: II. Results of histomorphological and ultrastructural examinations of eye tissues (author's transl)] Smoleńska-Janicowa D, et al. **Klin Oczna** 1981 Jun;83(6):285–8 (Eng. Abstr.) **(Pol)**
[Use of polarized light in ophthalmology] Pen'kov MA, et al. **Oftalmol Zh** 1981;36(6):368–72 **(Rus)**

PHYSIOPATHOLOGY

Oculopharyngeal muscular dystrophy and distal myopathy. Intrafamilial difference in the onset and distribution of muscular involvement. Fukuhara N, et al. **Acta Neurol Scand** 1982 May;65(5):458–67
Dynamics of aqueous humor in the syndrome of exfoliation with glaucoma. Johnson DH, et al. **Am J Ophthalmol** 1982 May;93(5):629–34
The relationship between visual acuity, pupillary defect, and visual field loss. Thompson HS, et al. **Am J Ophthalmol** 1982 Jun;93(6):681–8
Eosinophil granule major basic protein and Charcot-Leyden crystal protein in human tears. Udell IJ, et al. **Am J Ophthalmol** 1981 Dec;92(6):824–8
Visual acuity in cats following surgically induced cyclotropia. Timney B, et al. **Behav Brain Res** 1981 Nov; 3(3):289–302
[Importance of automatic computerized perimetry in the examination of ocular function] Bec P, et al. **Bull Mem Soc Fr Ophtalmol** 1981;93:314–9 **(Fre)**
[Clinical topography of hemophthalmos] Polunin GS. **Vestn Oftalmol** 1982 Jan–Feb;(1):38–42 (Eng. Abstr.) **(Rus)**

PREVENTION & CONTROL

Protection of the eyes with ophthalmic ointments during general anaesthesia. Schmidt P, et al. **Acta Ophthalmol (Copenh)** 1981 Jun;59(3):422–7
Comparison of eye protection with methylcellulose an paraffin ointments during general anaesthesia. Bøggild-Madsen NB, et al. **Can Anaesth Soc J** 1981 Nov; 28(6):575–8
Human colostrum for prophylaxis against sticky eyes and conjunctivitis in the newborn. Singh M, et al. **J Trop Pediatr** 1982 Feb;28(1):35–7
Prophylaxis of neonatal eye infections. Dillard RG. **NC Med J** 1982 May;43(5):358–9
[Ergoptthalmology - introductory paper] Merté HJ. **Klin Monatsbl Augenheilkd** 1982 May;180(5):352–9 (Eng. Abstr.) **(Ger)**
[The eye bus. A mobile ambulatory eye service for the health service] Brinck HP, et al. **Tidsskr Nor Laegeforen** 1981 Oct 20;101(29):1630–1 (Eng. Abstr.) **(Nor)**
[Experience in attracting students to participate in a mass prophylactic eye examination of the rural population] Dzhaliashvili OA, et al. **Vestn Oftalmol** 1981 Jul–Aug; (4):67–8 **(Rus)**

RADIOGRAPHY

Case report. Optic disk drusen. Edwards MK, et al. **J Comput Assist Tomogr** 1982 Apr;6(2):383–4
Computed tomographic demonstration of ocular calcification correlations with clinical and pathological findings. Hedges TR 3D, et al. **Neuroradiology** 1982;23(1):15–21
[Application of computed tomography in ophthalmology (author's transl)] Fang Z. **Chung Hua Yen Ko Tsa Chih** 1982 Mar;18(2):113–6 **(Chi)**
[Using computer tomography in ophthalmology - examination with a body scanner somatome] Demmler N, et al. **Buch Augenarzt** 1982;90:198–201 **(Ger)**
[Computer tomography in ophthalmological diseases] Toppel L. **Buch Augenarzt** 1982;90:93–6 **(Ger)**
[Characteristics of x-ray diagnosis of eye diseases in children] Panfilova GV. **Oftalmol Zh** 1981;36(5):301–4 **(Rus)**

RADIOTHERAPY

[Therapeutical use of radionuclides in ophthalmology (author's transl)] Rozsíval P. **Cesk Oftalmol** 1981 Sep; 37(5):372–8 **(Cze)**

REHABILITATION

An optometric approach to the rehabilitation of the stroke

patient. Cohen AH, et al. **J Am Optom Assoc** 1981 Oct; 52(10):795–800

[Operative and conservative possibilities for rehabilitation and social reintegration of ophthalmology patients in old age] Sinon G, et al. **Z Gesamte Hyg** 1981 Dec; 27(12):928–30 (Eng. Abstr.) **(Ger)**

SURGERY

Repairing filtering blebs [letter] Dellaporta A. **Am J Ophthalmol** 1982 Aug;94(2):269–71

Results of anterior segment surgery with vitrectomy instruments. Diddie KR, et al. **Am J Ophthalmol** 1982 Feb; 93(2):172–84

Chemical vitrectomy: change of solid gel vitreous to sol for vitrectomy by changing pH of vitreous toward the slight acid side. Mortada A. **Ann Ophthalmol** 1982 May; 14(5):465–6, 468–9

Falsely extinguished bright-flash electroretinogram. Its association with dense vitreous hemorrhage. Abrams GW, et al. **Arch Ophthalmol** 1982 Sep;100(9):1427–9

Argon laser endophotocoagulation. An intraoperative trans-pars plana technique. Fleischman JA, et al. **Arch Ophthalmol** 1981 Sep;99(9):1610–2

A constant-pressure pneumatic anterior chamber maintaining device. Nevyas HJ. **Arch Ophthalmol** 1981 Sep; 99(9):1644–5

The place for vitrectomy in posterior segment infection. Billson FA, et al. **Aust J Ophthalmol** 1981 Feb;9(1):21–5

Indirect ophthalmoscopic control for vitrectomy. Constable IJ, et al. **Aust J Ophthalmol** 1981 Feb;9(1):41–2

Vitrectomy in the management of endophthalmitis. Hadden OB. **Aust J Ophthalmol** 1981 Feb;9(1):27–32

Use of portable vitrectomy instrumentation (VISC X) in the rural Guatemalan highlands. Kingham JD, et al. **Br J Ophthalmol** 1982 Sep;66(9):569–72

Informed consent and ophthalmology in Canada. Freeman GM, et al. **Can J Ophthalmol** 1982 Feb;17(1):34–6

Vitreous stripper in anterior segment surgery. Demeler U. **Dev Ophthalmol** 1981;5:84–8

Use of the ocutome in anterior segment surgery. Fink AI, et al. **Dev Ophthalmol** 1981;5:77–83

Management of epithelial ingrowth and cysts. Stark WJ. **Dev Ophthalmol** 1981;5:64–73

Surgical management of persistent hyperplastic primary vitreous. Stark WJ. **Dev Ophthalmol** 1981;5:115–21

Uses of fascia in ophthalmology and the benefits of autogenous sources. Crawford JS, et al. **J Pediatr Ophthalmol Strabismus** 1982 Jul–Aug;19(4):21–5

Dye laser in ophthalmic disease. Wang KS, et al. **Lasers Surg Med** 1982;2(1):65–72

Clinical aspects of ophthalmic argon laser. Zinn KM. **Lasers Surg Med** 1981;1(4):289–322

Photocoagulation in presumed ocular histoplasmosis syndrome. Lewis ML, et al. **Ophthalmologica** 1981; 183(1):39–45

Orbital exenteration—simplified. Coston TO, et al. **Trans Am Ophthalmol Soc** 1981;79:136–52

Ocular myoclonus and oscillopsia. A problem of treatment. Spalton DJ, et al. **Trans Ophthalmol Soc UK** 1980; 100(4):507–8

[Extraction of subretinal Cysticercus cellulosae by electrolytic localization (author's transl)] Shang CX. **Chung Hua Yen Ko Tsa Chih** 1979 May;15(2):115–6 **(Chi)**

[Observations on dissociation anesthesia with ketamine in 157 children for ophthalmic operation (author's transl)] Yin FK. **Chung Hua Yen Ko Tsa Chih** 1981 Mar;17(2):103–4 **(Chi)**

[Cryotherapy in ophthalmology (author's transl)] Zhang FK. **Chung Hua Yen Ko Tsa Chih** 1979 May;15(2):86–9 **(Chi)**

[Lasers in ophthalmology] **Bull Mem Soc Fr Ophtalmol** 1981; 93:1–32 **(Fre)**

[Krypton lasers in ophthalmology. Initial experimental and clinical trials] Coscas G. **Bull Mem Soc Fr Ophtalmol** 1981; 93:100–6 **(Fre)**

[Endophotocoagulation using argon lasers] Sourdille P. **Bull Mem Soc Fr Ophtalmol** 1981;93:33 **(Fre)**

[Surgical activity of an ophthalmologist in Clermont-Ferrand from 1934 to 1938] Bacin F, et al. **Bull Soc Ophtalmol Fr** 1981 Oct;81(10):771–4 (Eng. Abstr.) **(Fre)**

[The effect of a high-performance laser on the anterior and posterior segments (author's transl)] Fankhauser F, et al. **Klin Monatsbl Augenheilkd** 1981 Dec;179(6):428 (Eng. Abstr.) **(Ger)**

[Surgical removal of an intraocular cysticercus] Nguyen TN. **Vestn Oftalmol** 1981 Jul–Aug;(4):57–9 **(Rus)**

THERAPY

Biofeedback techniques in the treatment of visual and ophthalmologic disorders: a review of the literature. Rotberg MH, et al. **Biofeedback Self Regul** 1981 Sep; 6(3):375–88 (41 ref.)

The effect of plasmapheresis on post-thymectomy ocular dysfunction. Olanow CW, et al. **Can J Neurol Sci** 1981 May;8(2):169–72

Management of eyes in general practice. Barclay AP. **Practitioner** 1982 May;226(1367):821–30

Ophthalmic emergencies. Mathalone MB. **Practitioner** 1981 Aug;225(1358):1151–5

Current status of biomaterials in ophthalmology. Refojo MF. **Surv Ophthalmol** 1982 Mar–Apr;26(5):257–65 (63 ref.)

[Value of plasma exchange in the treatment of Behcet's syndrome and its eye manifestations (letter)] Le Hoang P, et al. **Nouv Presse Med** 1982 May 15;11(23):1806–7 **(Fre)**

[Limitations of conservative therapy, indications for surgical interventions in ophthalmology. Major presentations of the 12th Essen Continuing Education Course for Ophthalmologists] **Buch Augenarzt** 1982;(89):1–200 **(Ger)**

[Attitude of the specialist as a risk factor in ocular diseases] Fodor F, et al. **Rev Chir [Oftalmol]** 1981 Apr–Jun; 25(2):89–90 **(Rum)**

[Treatment of dystrophic processes in the internal coats of the eye and the optic nerve] Ivanov DF, et al. **Oftalmol Zh** 1981;36(7):415–7 (Eng. Abstr.) **(Rus)**

[Results of the use of magnetic field in ophthalmology] Skripka VK. **Oftalmol Zh** 1981;36(6):321–5 (Eng. Abstr.) **(Rus)**

[Alternating magnetic field in the treatment of various eye diseases of vascular etiology] Vainshtein ES, et al. **Oftalmol Zh** 1981;36(6):325–8 (Eng. Abstr.) **(Rus)**

[Use of continuous magnetic field of magnetoelasts in ophthalmological practice] Zaĭkova MV, et al. **Oftalmol Zh** 1981;36(6):328–31 (Eng. Abstr.) **(Rus)**

[Use of apiculture products in ophthalmology] Mozherenkov VP. **Vestn Oftalmol** 1981 Sep–Oct;(5):67–9 **(Rus)**

[Rendering of ophthalmologic services at the dispensary of a military unit] Feigin AA, et al. **Voen Med Zh** 1982 Apr; (4):63 **(Rus)**

URINE

[Comparative biochemical studies of certain urinary metabolites in patients with the nephrotic syndrome, eye diseases, alkaptonuria, obstructive myocardiopathy, and cancer and in newborn infants] Tănase-Mogoş I, et al. **Physiologie** 1981 Oct–Dec;18(4):251–60 **(Fre)**

VETERINARY

Effects of alpha chymotrypsin on the canine eye. Barrie KP, et al. **Am J Vet Res** 1982 Feb;43(2):207–16

Equine ocular onchocerciasis: histopathologic study. Schmidt GM, et al. **Am J Vet Res** 1982 Aug;43(8):1371–5

The diagnosis of ocular disease in the dog and cat. Bedford PG. **Br Vet J** 1982 Mar–Apr;138(2):93–119 (3 ref.)

Ocular lesions of blastomycosis in the dog. Buyukmihci N. **J Am Vet Med Assoc** 1982 Feb 15;180(4):426–31

A safety trial with rafoxanide in sheep. Swan GE, et al. **J S Afr Vet Assoc** 1981 Jun;52(2):123–5

Eye lesions in Sprague-Dawley rats: type and incidence in relation to age. Taradach C, et al. **Lab Anim** 1981 Jul; 15(3):285–7

An outbreak of ocular disease caused by staphylococcal infection in Amazon parrot (Amazona aestiva) imported into Japan. Shimakura S, et al. **Nippon Juigaku Zasshi** 1981 Apr;43(2):273–5

Examination of the eye. Bistner S, et al. **Vet Clin North Am [Small Anim Pract]** 1981 Aug; 11(3):595–622

Ophthalmic use of glucocorticoids. Brightman AH 2d. **Vet Clin North Am [Small Anim Pract]** 1982 Feb;12(1):33–9 (9 ref.)

Eye disease in IBR [letter] Gunning RF. **Vet Rec** 1981 Jul 4;109(1):23–4

EYE FOREIGN BODIES

[Electron microscopic findings of a cilium in the anterior chamber (author's transl)] Koseki T, et al. **Nippon Ganka Gakkai Zasshi** 1981 Dec 10;85(12):2147–53 (Eng. Abstr.) **(Jpn)**

COMPLICATIONS

Epibulbar siderosis induced by iron tablets [letter] Salminen L, et al. **Am J Ophthalmol** 1982 May;93(5):660–1

Intravitreal cilia and retinal detachment. Gottlieb F, et al. **Ann Ophthalmol** 1982 Jun;14(6):541–4

Bee sting of the cornea: case report. Smolin G, et al. **Ann Ophthalmol** 1982 Apr;14(4):342–3

[Intralenticular foreign body as a cause of delayed infection (author's transl)] Kolin J, et al. **Cesk Oftalmol** 1981; 37(6):420–3 (Eng. Abstr.) **(Cze)**

[Posttraumatic panophthalmia caused by clostridium perfringens] van der Pol BA, et al. **Ned Tijdschr Geneeskd** 1981 Sep 5;125(36):1462–4 (Eng. Abstr.) **(Dut)**

[Temporary blindness due to an intra-orbital foreign body (author's transl)] Morax S, et al. **J Fr Ophtalmol** 1981; 4(4):287–90 (Eng. Abstr.) **(Fre)**

[Pathogenesis and treatment of primary and secondary recurrent erosion (author's transl)] Pau H. **Klin Monatsbl Augenheilkd** 1982 Apr;180(4):259–63 (Eng. Abstr.) **(Ger)**

[Intraocular infections in perforating eye injuries (author's transl)] Reich ME, et al. **Klin Monatsbl Augenheilkd** 1981 Dec;179(6):411–2 (Eng. Abstr.) **(Ger)**

[Siderosis of the eye (author's transl)] Bogorodzki B. **Klin Oczna** 1981 Jun;83(6):313–4 (Eng. Abstr.) **(Pol)**

[Blindness caused by intraocular foreign bodies (author's transl)] Bogorodzki B, et al. **Klin Oczna** 1981 Jul–Sep; 83(7–8):359–60 (Eng. Abstr.) **(Pol)**

[Early and late vitreous changes after trauma to the eyeball (author's transl)] Hydzikowa M, et al. **Klin Oczna** 1981 Apr–May;83(4–5):245–7 (Eng. Abstr.) **(Pol)**

[Mycotic infections as possible complications in penetrating eye injuries] Karimov MK. **Oftalmol Zh** 1981;36(4):214–6 (Eng. Abstr.) **(Rus)**

DIAGNOSIS

Ultrasonography of vitreal foreign bodies in eyes obtained at autopsy. Awschalom L, et al. **Arch Ophthalmol** 1982 Jun;100(6):979–80

[One year of echography B] Geerts D, et al. **Bull Soc Belge Ophtalmol** 1981;192:11–21 (Eng. Abstr.) **(Fre)**

[Foreign bodies of plant origin in the orbit (the value of tomodensitometry)] François P, et al. **Bull Soc Ophtalmol Fr** 1982 Feb;82(2):251–2 **(Fre)**

[Ocular foreign bodies and dynamic electroretinography] Peyresblanques J. **Bull Soc Ophtalmol Fr** 1982 Feb; 82(2):227–9 **(Fre)**

[Ultrasonography in eye injuries (author's transl)] Dyszyńska-Rościszewska B, et al. **Klin Oczna** 1981 Jul–Sep;83(7–8):407–9 (Eng. Abstr.) **(Pol)**

[Intraocular foreign bodies. Value of ultrasonic examinations to supplement radiological methods] Fodor F, et al. **Rev Chir [Oftalmol]** 1980 Jul–Sep;24(3):165–8 (Eng. Abstr.) **(Rum)**

[Diagnosis and extraction of glass fragments from the posterior portion of the eye in perforating wounds complicated by hemophthalmos] Lebekhov PI, et al. **Oftalmol Zh** 1981;36(7):396–7 (Eng. Abstr.) **(Rus)**

[Diagnosis and characteristics of the removal of nonmagnetic foreign bodies from the anterior chamber angle of the eye] Rodzevich GV, et al. **Oftalmol Zh** 1981;36(7):398–400 (Eng. Abstr.) **(Rus)**

[Use of echoseriography for determining the location of foreign bodies in the eye and orbit] Zhuravlev SV. **Vestn Oftalmol** 1981 Nov–Dec;(6):60–2 (Eng. Abstr.) **(Rus)**

ETIOLOGY

Intraocular foreign-body hazard during vitrectomy. Bovino JA, et al. **Am J Ophthalmol** 1982 Mar;93(3):366

Barium granuloma. Ishii Y, et al. **J Dermatol (Tokyo)** 1982 Apr;9(2):153–5

[Tire explosion as a new cause of eye injuries] Catană M. **Rev Chir [Oftalmol]** 1980 Jul–Sep;24(3):185–6 (Eng. Abstr.) **(Rum)**

PARASITOLOGY

External ophthalmomyiasis caused by Oestrus ovis. Stulting AA, et al. **S Afr Med J** 1981 Oct 31;60(18):709–10

PATHOLOGY

Giant melanosomes in the eye of the Dutch rabbit. Ghadially FN, et al. **J Submicrosc Cytol** 1982 Jan;14(1):63–72

[Long-term presence of a stone fragment in the fundus oculi] Stukalov SE. **Vestn Oftalmol** 1982 Jan–Feb;(1):67–8 **(Rus)**

RADIOGRAPHY

Detection of orbital foreign bodies with computed tomography: current limits. Tate E, et al. **AJR** 1981 Sep; 137(3):493–5

Chronic ethmoid sinusitis due to foreign body. Halm D. **Nebr Med J** 1981 Dec;66(12):264–6

[Orthograph and oculogyria for localization of intraocular foreign bodies (author's transl)] An JX. **Chung Hua Fang She Hsueh Tsa Chih** 1981 Nov; 15(4):278–81 **(Chi)**

[An automatic system for X-ray localization of intra-ocular foreign bodies and its clinical use (author's transl)] Zhou JM. **Chung Hua Yen Ko Tsa Chih** 1982 Mar;18(2):65–9 **(Chi)**

[Usefulness of radiography without skeletal visualization in ophthalmological diagnosis (author's transl)] Czechowski J. **Pol Przegl Radiol** 1981 Mar–Apr;45(2):91–3 (Eng. Abstr.) **(Pol)**

SURGERY

Surgical results in ocular trauma involving the posterior segment. Brinton GS, et al. **Am J Ophthalmol** 1982 Mar; 93(3):271–8

A microsurgical approach to the management of intraocular foreign bodies with massive tissue damage. Kingham JD. **Ann Ophthalmol** 1981 Sep;13(9):1083–7

Intraocular foreign body removal by endoscopy. Norris JL, et al. **Ann Ophthalmol** 1982 Apr;14(4):371–2

Vitreous surgery with perforating eye wounds and intraocular foreign bodies. Dralands L, et al. **Bull Soc Belge Ophtalmol** 1981;193:25–30

Pars-plana-vitrectomy in the treatment of injuries with intraocular foreign bodies. Heimann K. **Bull Soc Belge Ophtalmol** 1981;193:13–24

Late complications of intraocular foreign bodies and the role of vitrectomy. Verbraeken H, et al. **Bull Soc Belge Ophtalmol** 1981;193:31–7

Vitrectomy—a pars plana approach. Satapathy M, et al. **Indian J Ophthalmol** 1981 Dec;29(4):367–8

Operative difficulties in removal of retained intraocular foreign bodies by vitreous surgery. Treister G, et al.

Ophthalmologica 1981;183(3):136–42
Management of intraretinal foreign bodies. Slusher MM, et al. **Ophthalmology (Rochester)** 1982 Apr;89(4):369–73
[Extraction of non-magnetic intraocular foreign bodies under TV (author's transl)] Pang RQ.
Chung Hua Yen Ko Tsa Chih 1982 Mar;18(2):81–2 **(Chi)**
[Surgical removal of intravitreous floating foreign bodies (author's transl)] Yang JC.
Chung Hua Yen Ko Tsa Chih 1982 Mar;18(2):78–80 **(Chi)**
[Removal of magnetic intra-ocular foreign bodies through incision over the pars plana (author's transl)] Zang Q.
Chung Hua Yen Ko Tsa Chih 1981 Sep;17(5):299–300 **(Chi)**
['Magnetic induction rod' method for removal of intraocular foreign bodies (author's transl)] Zhang XF.
Chung Hua Yen Ko Tsa Chih 1982 Mar;18(2):74–7 **(Chi)**
[Classical aspects of intraocular metallic foreign bodies] François P. **Bull Soc Belge Ophtalmol** 1981;193:5–12 **(Fre)**
[An intra-ocular electromagnet (author's transl)] Buffet JM, et al. **J Fr Ophtalmol** 1981;4(6–7):509–10 (Eng. Abstr.) **(Fre)**
[Intraocular or intraorbital non-magnetic metallic foreign bodies extracted by direct visualization on a TV screen and amplification of the radiological image] Olteanu M, et al. **Rev Chir [Oftalmol]** 1981 Apr-Jun;25(2):125–30 **(Rum)**
[Comparative evaluation of forceps intended for extracting nonmagnetic foreign bodies from the eye] Dzhaliashvili OA, et al. **Oftalmol Zh** 1981;36(7):393–6 (Eng. Abstr.) **(Rus)**
[Our experience in removing nonmagnetic foreign bodies from the eye] Gerasimov AN. **Oftalmol Zh** 1981; 36(7):400–2 (Eng. Abstr.) **(Rus)**
[Choice of the method for removing nonmagnetic foreign bodies from various parts of the eye] Logaĭ IM. **Oftalmol Zh** 1981;36(7):390–3 (Eng. Abstr.) **(Rus)**
[Means of improving the technic for removing nonmagnetic foreign bodies from inaccessible areas of the eye] Volkov VV, et al. **Oftalmol Zh** 1981;36(7):386–90 (Eng. Abstr.) **(Rus)**
[Efficacy of prophylactic diathermic coagulation of the sclera in diascleral removal of intraocular foreign bodies] Manoilova IK, et al. **Vestn Oftalmol** 1981 Jul-Aug; (4):59–62 (Eng. Abstr.) **(Rus)**

THERAPY

How to remove an extraocular foreign body. Duguid IM. **Br J Hosp Med** 1981 May;25(5):483
A controlled eye irrigation system. Sternberg I, et al. **Curr Eye Res** 1981;1(2):111–2
Intraocular extraction of a magnetic foreign body. Meyers SM. **Ophthalmic Surg** 1981 Dec;12(12):917
[A modified atraumatic microextractor after Neubauer (author's transl)] Kroll P, et al.
Klin Monatsbl Augenheilkd 1982 Feb;180(2):176–7 (Eng. Abstr.) **(Ger)**
[New method of removing magnetic fragments from the crystalline lens] Logaĭ IM. **Oftalmol Zh** 1981;36(3):168–71 (Eng. Abstr.) **(Rus)**
[Clinical and histological evaluation of primary care of perforating eye injuries] Litričin V, et al.
Srp Arh Celok Lek 1981 Feb;109(2):243–8 **(Scc)**

VETERINARY

Intraocular foreign body in a dog. Bussanich MN, et al. **Can Vet J** 1981 Jul;22(7):207–10

EYE INJURIES

Ocular sports injuries. Legal aspects. II. Lawyer's perspective. Hinson DB. **Int Ophthalmol Clin** 1981 Winter; 21(4):209–18
Ocular sports injuries. Legal aspects. I. Patient's perspective. Kaplan PJ. **Int Ophthalmol Clin** 1981 Winter;21(4):203–7
[Intraocular lens and ocular traumatism (author's transl)] Cornic JC, et al. **J Fr Ophtalmol** 1981;4(6–7):479–81 (Eng. Abstr.) **(Fre)**

COMPLICATIONS

Traumatic pigmentary retinopathy. Bastek JV, et al.
Am J Ophthalmol 1981 Nov;92(5):621–4
Traumatic expulsion of an intraocular lens [letter] Cobble CR. **Am J Ophthalmol** 1982 Aug;94(2):263
Sympathetic ophthalmia. Dreyer WB Jr, et al.
Am J Ophthalmol 1981 Dec;92(6):816–23
Juvenile retinal detachment. Pan American Association of Ophthalmology and American Journal of Ophthalmology Lecture. Verdaguer J. **Am J Ophthalmol** 1982 Feb; 93(2):145–56
The effect of penicillamine on posttraumatic vitreous proliferation. Weiss JF, et al. **Am J Ophthalmol** 1981 Nov; 92(5):625–7
Traumatic enucleation: a clinicopathologic case report. Distler JA, et al. **Ann Ophthalmol** 1981 Oct;13(10):1169–70
Tension pneumocephalus from orbital roof fracture. Wesley RE, et al. **Ann Ophthalmol** 1982 Feb;14(2):184–90
Epidemiology of retinal detachment. Haimann MH, et al. **Arch Ophthalmol** 1982 Feb;100(2):289–92
Traumatic hyphema [letter] Romano F, et al.
Arch Ophthalmol 1981 Nov;99(11):2053–4
Anterior segment consequences of blunt ocular injury. Canavan YM, et al. **Br J Ophthalmol** 1982 Sep;66(9):549–55
Traumatic wound dehiscence following penetrating keratoplasty. Topping TM, et al. **Br J Ophthalmol** 1982 Mar;66(3):174–8
Bacterial endophthalmitis and traumatic hyphema resulting from ocular injuries during dental procedures. Folk JC, et al. **Can J Ophthalmol** 1981 Jul;16(3):151–2
Annular posterior cyclodialysis. Shukla B.
Indian J Ophthalmol 1981 OCT;29(3):171–2
Sympathetic ophthalmitis 10 years after the initial injury: a case report. Kanchanaranya C, et al. **J Med Assoc Thai** 1981 Jul;64(7):346–50
Terrien's marginal corneal degeneration. Beauchamp GR. **J Pediatr Ophthalmol Strabismus** 1982 Mar-Apr;19(2):97–9
Complications associated with running 11-0 nylon suture in penetrating keratoplasty. Olson RJ. **Ophthalmic Surg** 1982 Jul;13(7):558–61
Leaky cystoid macular edema attracting vitreous macrophages. Wolter JR. **Ophthalmic Surg** 1982 Jul; 13(7):568–71
Blunt trauma and elevation of intraocular pressure. From the Section 8 Committee of the American Academy of Ophthalmology. **Ophthalmology (Rochester)** 1982 Jan; 89(1):41A
Ghost cell glaucoma following trauma. Campbell DG.
Ophthalmology (Rochester) 1981 Nov;88(11):1151–8
Epithelial implantation cyst of the iris. Farmer SG, et al.
Ophthalmology (Rochester) 1981 Dec;88(12):1286–9
Differentiating traumatic from nontraumatic retinal detachment. Goffstein R, et al.
Ophthalmology (Rochester) 1982 Apr;89(4):361–8
Ocular fireworks injuries and blindness. An analysis of 154 cases and a three-state survey comparing the effectiveness of model law regulation. Wilson RS.
Ophthalmology (Rochester) 1982 Apr;89(4):291–7
Sympathetic ophthalmia. A re-evaluation of management. Tarr KH, et al. **Trans Ophthalmol Soc NZ** 1982;34:70–3
[Application of the vitreous-infusion-suction-cutter in the early extraction of traumatic cataracts (author's transl)] Jiang JK. **Chung Hua Yen Ko Tsa Chih** 1981 Jul; 17(4):208–10 **(Chi)**
[Clinical case of phaco-anaphylactic uveitis following traumatic rupture of a cataract with interesting psychiatric repercussions] Wharton R, et al.
Bull Mem Soc Fr Ophtalmol 1981;93:336–7 **(Fre)**
[Post-traumatic lens subluxation and treatment—85 cases] Arnaud B, et al. **Bull Soc Ophtalmol Fr** 1982 Apr; 82(4):543–5 **(Fre)**
[General principles of emergency repair of wounds of the eyelids—65 cases] Arné JL, et al.
Bull Soc Ophtalmol Fr 1982 Apr;82(4):571–6 (Eng. Abstr.) **(Fre)**
[Angiographic aspects of contusions in regions of the posterior pole. Medicolegal significance—nineteen cases] Bonnin P, et al. **Bull Soc Ophtalmol Fr** 1982 Apr; 82(4):527–31 **(Fre)**
[Intraocular implants in 3 cases of traumatic cataract] Deschatres F, et al. **Bull Soc Ophtalmol Fr** 1981 Oct; 81(10):807–9 **(Fre)**
[Neovascular choroid membrane and traumatic choroid rupture in a patient with angioid streaks] Turut P, et al.
Bull Soc Ophtalmol Fr 1982 Apr;82(4):591–4 (Eng. Abstr.) **(Fre)**
[Post-traumatic Fuch's heterochromic cyclitis] Vadot E.
Bull Soc Ophtalmol Fr 1981 Aug-Sep;81(8–9):665–7 **(Fre)**
[Intraocular infections in perforating eye injuries (author's transl)] Reich ME, et al. **Klin Monatsbl Augenheilkd** 1981 Dec;179(6):411–2 (Eng. Abstr.) **(Ger)**
[Blindness following injuries to the visual system in patients in a mining-industry health service hospital (author's transl)] Kotania W, et al. **Klin Oczna** 1981 Jul-Sep; 83(7–8):349–50 (Eng. Abstr.) **(Pol)**
[Disability due to visual loss after trauma in adults (author's transl)] Lenkiewicz E, et al. **Klin Oczna** 1981 Jul-Sep; 83(7–8):353–4 (Eng. Abstr.) **(Pol)**
[Injury as a cause of visual loss in inpatients from the period 1975–1979 (author's transl)] Wysocka D, et al.
Klin Oczna 1981 Jul-Sep;83(7–8):347–8 (Eng. Abstr.) **(Pol)**
[Vitreal microsurgery in posttraumatic glaucoma] Gundorova RA, et al. **Oftalmol Zh** 1981;36(7):420–3 (Eng. Abstr.) **(Rus)**
[Circular goniospasis and its potentials in posttraumatic glaucoma] Stepanov AV. **Vestn Oftalmol** 1982 Mar-Apr; (2):8–10 (Eng. Abstr.) **(Rus)**
[System of microsurgical operations in posttraumatic glaucoma (author's transl)] Gundorova RA, et al.
Cesk Oftalmol 1982 Jan;38(1):7–10 (Eng. Abstr.) **(Slo)**

DIAGNOSIS

Three-years' experience in a regional burn center with burns of the eyes and eyelids. Guy RJ, et al.
Ophthalmic Surg 1982 May;13(5):383–6
The injured eye. Cooling RJ. **Practitioner** 1982 May; 226(1367):849–58
Ophthalmic considerations in the severely injured patient. Runyan TE. **Surg Clin North Am** 1982 Apr;62(2):301–8
[Ocular changes in competition divers] Krejčí L, et al.
Cesk Oftalmol 1982 Mar;38(2):96–9 (Eng. Abstr.) **(Cze)**
[A B-scan ultrasonographic finding in the ciliary body regions in eyes with ocular contusion (author's transl)] Iijima Y, et al. **Nippon Ganka Gakkai Zasshi** 1982; 86(2):211–6 (Eng. Abstr.) **(Jpn)**
[Injuries of the visual system in the light of medicolegal expertises (author's transl)] Krawczykowa Z, et al.
Klin Oczna 1981 Jul-Sep;83(7–8):355–6 (Eng. Abstr.) **(Pol)**
[Diagnosis and extraction of glass fragments from the posterior portion of the eye in perforating wounds complicated by hemophthalmos] Lebekhov PI, et al.
Oftalmol Zh 1981;36(7):396–7 (Eng. Abstr.) **(Rus)**
[Electrooculographic data as an index of the functional state of the external retinal layers in blunt trauma of the eye] Val'kova IV. **Oftalmol Zh** 1982;37(1):36–7 (Eng. Abstr.) **(Rus)**
[Evaluation of the state of the vitreous body in experimental traumatic hemophthalmos] Malaev AA, et al.
Vestn Oftalmol 1982 Jan-Feb;(1):42–3 (Eng. Abstr.) **(Rus)**

DRUG THERAPY

Tranexamic acid in the prevention of secondary haemorrhage after traumatic hyphaema. Uusitalo RJ, et al.
Acta Ophthalmol (Copenh) 1981 Aug;59(4):539–45
Effect of selected intravitreal drugs after severe penetrating injury in rabbits. Meyers SM, et al. **Curr Eye Res** 1981; 1(8):471–7

ECONOMICS

Ocular sports injuries. Economic considerations. Tolpin HG, et al. **Int Ophthalmol Clin** 1981 Winter;21(4):179–201

ETIOLOGY

Accidental freezing of the anterior segment by freon. Gangwar DN, et al. **Ann Ophthalmol** 1981 Dec; 13(12):1347–9
Motor vehicle accident eye injuries in children. Waddy PM. **Aust J Ophthalmol** 1981 May;9(2):117–20
Eye injuries from car battery explosions. Moore AT, et al. **Br J Ophthalmol** 1982 Feb;66(2):141–4
Sclerotherapist's eye [letter] Herlihy KJ, et al.
Gastrointest Endosc 1982 Feb;28(1):42–3
Unusual ocular complications in fractures involving the orbit. Beirne OR, et al. **Int J Oral Surg** 1981 Feb;10(1):12–6
Ocular sports injuries. **Int Ophthalmol Clin** 1981 Winter; 21(4):1–229
Threat of ultraviolet radiation to the eye—how to protect against it. Pitts DG. **J Am Optom Assoc** 1981 Dec; 52(12):949–57
Ocular injuries during general anesthesia. Rosenberg M. **J Oral Surg** 1981 Dec;39(12):945–7 (18 ref.)
Eye protection for anglers [letter] Raynor LA.
N Engl J Med 1982 Oct 7;307(15):954
The danger of throat cultures [letter] Weinstock FJ.
South Med J 1981 Oct;74(10):1291
[Ocular lesions caused by gunshots. An analysis of the circumstances of accidents] Naeser K. **Ugeskr Laeger** 1981 Nov 23;143(48):3228–9 (Eng. Abstr.) **(Dan)**
[Eye injuries caused by fireworks] Copper AC, et al.
Ned Tijdschr Geneeskd 1981 Dec 19;125(51):2091–4 (Eng. Abstr.) **(Dut)**
[Ophthalmologic and medicolegal evaluation of hunting accidents involving the eye: apropos of 40 cases] Gibert C, et al. **Bull Soc Ophtalmol Fr** 1981 Oct;81(10):791–5 (Eng. Abstr.) **(Fre)**
['Blow out fractures'—diagnosis and indications for therapy from the ophthalmologic view (author's transl)] Friedburg D. **Ber Zusammenkunft Dtsch Ophthalmol Ges** 1980; 78:797–804 (Eng. Abstr.) **(Ger)**
[Eye injuries caused by a defective high pressure hose in mines. An analyse in 50 cases (author's transl)] Mellin KB. **Klin Monatsbl Augenheilkd** 1981 Sep;179(3):185–6 (Eng. Abstr.) **(Ger)**
[Eye injuries and their prevention] Romem M, et al.
Harefuah 1981 Dec 15;101(12):352–3 (Eng. Abstr.) **(Heb)**
[Traumatic ocular lesions in childhood] Mazza C, et al.
Minerva Pediatr 1982 Mar 31;34(6):241–4 (Eng. Abstr.) **(Ita)**
[Tire explosion as a new cause of eye injuries] Catană M.
Rev Chir [Oftalmol] 1980 Jul-Sep;24(3):185–6 (Eng. Abstr.) **(Rum)**
[Operative trauma in ophthalmology] Popa D, et al.
Rev Chir [Oftalmol] 1981 Oct-Dec;25(4):253–5 **(Rum)**

IMMUNOLOGY

The immune response to homologous lens crystallin. II. A model of ocular inflammation involving eye injuries at separate times. Goldschmidt L, et al. **J Immunol** 1982 Oct; 129(4):1658–62

METABOLISM

Adenosine phosphate and glutathione levels in the regenerated corneal epithelium after abrasion and mild alkali burns. Reim M, et al.
Graefes Arch Clin Exp Ophthalmol 1982;218(1):42–5

OCCURRENCE

Ocular injuries in Malawi. Ilsar M, et al.

Br J Ophthalmol 1982 Feb;66(2):145–8
Squash ball to eye ball: the likelihood of squash players incurring an eye injury. Barrell GV, et al. **Br Med J [Clin Res]** 1981 Oct 3;283(6296):893–5
Adult ocular injuries in Lesotho. Gordon YJ, et al. **Doc Ophthalmol** 1981 Jul 15;51(3):187–92
Eye injuries in racket sports. Easterbrook M. **Int Ophthalmol Clin** 1981 Winter;21(4):87–119
Eye injuries in the military. Hornblass A. **Int Ophthalmol Clin** 1981 Winter;21(4):121–38
National Athletic Injury/Illness Reporting System: eye injuries in college wrestling. Powell JW. **Int Ophthalmol Clin** 1981 Winter;21(4):47–58
The incidence of eye injuries in sports. Vinger PF. **Int Ophthalmol Clin** 1981 Winter;21(4):21–46
Ocular injuries in automobile crashes. Huelke DF, et al. **J Trauma** 1982 Jan;22(1):50–9
[A statistical analysis of 584 hospitalized cases of eye injuries from state farms (author's transl)] Zhu DC. **Chung Hua Yen Ko Tsa Chih** 1981 Mar;17(2):107–8 **(Chi)**
[Contusion of eyeball: a statistical analysis of 212 cases (author's transl)] Zou BB. **Chung Hua Yen Ko Tsa Chih** 1979 May;15(2):96–9 **(Chi)**
[Eye injuries in agricultural workers] Aine E, et al. **Duodecim** 1982;98(9):692–9 (Eng. Abstr.) **(Fin)**
[Incidence and type of eye injuries in patients treated in the last 15 years (author's transl)] Kęcik T, et al. **Klin Oczna** 1981 Jul–Sep;83(7–8):343–5 (Eng. Abstr.) **(Pol)**
[Traffic injuries to the visual organ (author's transl)] Lenkiewicz E, et al. **Klin Oczna** 1981 Jul–Sep;83(7–8):351–2 (Eng. Abstr.) **(Pol)**
[Eye injuries in children in the last 20 years (author's transl)] Pacyńska J, et al. **Klin Oczna** 1981 Jun;83(6):299–300 (Eng. Abstr.) **(Pol)**

PATHOLOGY

Contact lens–induced corneal epithelial injury. Bergmanson JP, et al. **Am J Optom Physiol Opt** 1982 Jun;59(6):500–6
Changes in endothelial cell density following accidental trauma. Roper-Hall MJ, et al. **Br J Ophthalmol** 1982 Aug; 66(8):518–9
Ocular sports injuries: a review of cases on file in the Massachusetts eye and ear infirmary pathology laboratory. Portis JM, et al. **Int Ophthalmol Clin** 1981 Winter; 21(4):1–19
[Causes of loss of the globe after ocular injury ---histopathological analysis of 270 cases (author's transl)] He SF. **Chung Hua Yen Ko Tsa Chih** 1982 Mar;18(2):70–3 **(Chi)**
[Ocular globe perforating wounds in Africa (272 cases) (author's transl)] Auzemery A, et al. **Med Trop (Mars)** 1981 Sep–Oct;41(5):486–91 **(Fre)**
[Gas pistol shots] Schulz G, et al. **Arch Kriminol** 1981 Nov–Dec;168(5–6):165–70 **(Ger)**
[Reflections on the connection between trauma and malignant intraocular melanoma (author's transl)] Mewe L, et al. **Klin Monatsbl Augenheilkd** 1981 Jul;179(1):48–50 (Eng. Abstr.) **(Ger)**

PHYSIOPATHOLOGY

The effect of radial keratotomy on ocular integrity in an animal model. Luttrull JK, et al. **Arch Ophthalmol** 1982 Feb;100(2):319–20
[Clinical topography of hemophthalmos] Polunin GS. **Vestn Oftalmol** 1982 Jan–Feb;(1):38–42 (Eng. Abstr.) **(Rus)**
[Accidental laser injury to the fundus oculi of both eyes] Gaidaĭ VM, et al. **Voen Med Zh** 1982 May;(5):56–8 **(Rus)**

PREVENTION & CONTROL

Contact lenses and mechanical trauma to the eye. An experimental study. Nilsson SE, et al. **Acta Ophthalmol (Copenh)** 1981 Jun;59(3):402–8
Preventing fireworks blindness. Wilson RS. **Am J Ophthalmol** 1982 May;93(5):654–6
Eye injuries in hockey. Pashby TH. **Int Ophthalmol Clin** 1981 Winter;21(4):59–86
Ocular sports injuries. Standards of protection and prevention. II. The role of government in injury prevention. Tsongas PE. **Int Ophthalmol Clin** 1981 Winter; 21(4):171–7
Ocular sports injuries. Principles of protection. Vinger PF. **Int Ophthalmol Clin** 1981 Winter;21(4):149–61

PSYCHOLOGY

A case of self-inflicted eye injuries. Griffin N, et al. **J Nerv Ment Dis** 1982 Jan;170(1):53–6

RADIOGRAPHY

Traumatic intraocular air–fluid level. Smathers RL, et al. **J Can Assoc Radiol** 1981 Sep;32(3):180
[Characteristics of x-ray diagnosis of eye diseases in children] Panfilova GV. **Oftalmol Zh** 1981;36(5):301–4 **(Rus)**

REHABILITATION

[Rehabilitation after serious perforating eye injuries (author's transl)] Schuhmann G, et al. **Klin Monatsbl Augenheilkd** 1981 Dec;179(6):533–4 (Eng. Abstr.) **(Ger)**

SURGERY

Changing aspects of management of ocular trauma [editorial] Brinton GS, et al. **Am J Ophthalmol** 1982 Aug;94(2):258–60
Surgical results in ocular trauma involving the posterior segment. Brinton GS, et al. **Am J Ophthalmol** 1982 Mar; 93(3):271–8
Early vitrectomy in the management of the severely traumatized eye. Coleman DJ. **Am J Ophthalmol** 1982 May; 93(5):543–51
Surgical treatment of orbital floor fractures. Koutroupas S, et al. **Arch Otolaryngol** 1982 Mar;108(3):184–6
Pars plana vitrectomy. Heinze J. **Aust J Ophthalmol** 1981 Nov;9(4):325–30 (2 ref.)
Keratoplasty following anterior segment trauma. Robinson LP. **Aust J Ophthalmol** 1981 Feb;9(1):59–62
Anterior bulbus perforation and vitrectomy in the 'minipig'. Graf C, et al. **Graefes Arch Clin Exp Ophthalmol** 1982; 218(3):141–4
Repair of dislocated globe. Adhikary HP, et al. **J Trauma** 1982 Feb;22(2):167–8
Immediate vitrectomy following severe ocular trauma: case reports. Steahly LP. **Milit Med** 1981 Dec;146(12):877–9
Use of Healon in anterior segment trauma. Rashid ER, et al. **Ophthalmic Surg** 1982 Mar;13(3):201–3
Operative difficulties in removal of retained intraocular foreign bodies by vitreous surgery. Treister G, et al. **Ophthalmologica** 1981;183(3):136–42
Computed tomography in the management of orbital trauma. Grove AS Jr. **Ophthalmology (Rochester)** 1982 May; 89(5):433–40
Late posttraumatic enophthalmos: a correctable deformity? Kawamoto HK Jr. **Plast Reconstr Surg** 1982 Mar; 69(3):423–32
[Development of post-traumatic hypotonia following cyclopexy] Castier P, et al. **Bull Soc Ophtalmol Fr** 1982 Feb;82(2):261–3 (Eng. Abstr.) **(Fre)**
[Indications for surgery in eye injuries] Mackensen G. **Buch Augenarzt** 1982;(89):50–6 (Eng. Abstr.) **(Ger)**
[Care and prognosis of eyelid injuries with severance of the lacrimal duct] Sommer E, et al. **Z Arztl Fortbild (Jena)** 1981 Mar 15;75(6):253–6 **(Ger)**
[Programmed analysis of the effectiveness of microsurgical treatment of penetrating eye injuries] Chvialeva KI, et al. **Oftalmol Zh** 1981;36(4):206–7 (Eng. Abstr.) **(Rus)**
[The effect of emergency microsurgery in penetrating injuries of the eye on visual acuity in children] Artiko G, et al. **Srp Arh Celok Lek** 1980 Oct;108(10):1015–9 (Eng. Abstr.) **(Scc)**
[Indications for eye enucleation in children] Latković Z, et al. **Srp Arh Celok Lek** 1981 Oct;109(10):1287–96 **(Scc)**
[Iridopexy in perforative eye injury (author's transl)] Jureković B. **Lijec Vjesn** 1981;103(3):70–1 (Eng. Abstr.) **(Scr)**
[Surgery of an eye injury caused by a fishing hook] Petrović Z, et al. **Vojnosanit Pregl** 1981 Jul–Aug;38(4):267–9 **(Scr)**

THERAPY

Perforating eye injuries treated at Helsinki University Eye Hospital 1970 to 1977. Niiranen M. **Ann Ophthalmol** 1981 Aug;13(8):957–61
Preserving eyesight through quick response. **Occup Health Saf** 1981 Sep;50(9):70–1, 73
When a squirt is not enough. Nelson D. **Occup Health Saf** 1982 Mar;51(3):63, 65
[Criteria for evaluating treatment outcome in eye injuries] Matiashina OM, et al. **Oftalmol Zh** 1981;36(8):495–8 (Eng. Abstr.) **(Rus)**
[Work experience of a provincial eye trauma center] Sandul LA, et al. **Oftalmol Zh** 1981;36(7):445–7 **(Rus)**
[Results of the use of magnetic field in ophthalmology] Skripka VK. **Oftalmol Zh** 1981;36(6):321–5 (Eng. Abstr.) **(Rus)**
[Injuries to the organ of vision] Fes'kov NP, et al. **Voen Med Zh** 1981 Dec;(12):60 **(Rus)**
[Clinical and histological evaluation of primary care of perforating eye injuries] Litričin V, et al. **Srp Arh Celok Lek** 1981 Feb;109(2):243–8 **(Scc)**

EYE MANIFESTATIONS

Stroke and the eye: diagnostic clues and treatment approaches. Carlow TJ, et al. **Geriatrics** 1981 Dec; 36(12):28–36
The microcosmic eye [editorial] Felts JH. **NC Med J** 1982 May;43(5):367–8
[Ocular manifestations of leukemia] Antillón F, et al. **Gac Med Mex** 1981 Aug;117(8):332–6 **(Spa)**

PATHOLOGY

Ocular manifestations of rheumatic diseases (Part I). Dorman W. **Minn Med** 1981 Oct;64(10):619–20

PHYSIOPATHOLOGY

Abnormal visual-evoked responses and opsoclonus. Jabbari B, et al. **J Clin Neuro Ophthalmol** 1981 Dec;1(4):269–71

EYE MOVEMENTS

see related
ELECTROOCULOGRAPHY
NYSTAGMUS
SLEEP, REM

Ocular lateropulsion in Wallenberg's syndrome: a prospective clinical study. Crevits L, et al. **Acta Neurol Scand** 1982 Mar;65(3):219–22
The dysrhythmia and the exponential constants of the postrotatory nystagmus qualities. Börjesson PO, et al. **Acta Otolaryngol (Stockh)** 1981 Sep–Oct;92(3–4):307–14
Dynamic range of the frequency response of the horizontal vestibulo–ocular reflex of the alert rhesus monkey. Furman JM, et al. **Acta Otolaryngol (Stockh)** 1982 Jan–Feb; 93(1–2):81–91
The influence of target width on optokinetic nystagmus. Holm–Jensen S. **Acta Otolaryngol (Stockh)** 1981 Nov–Dec; 92(5–6):403–7
Quantification of tracking eye movements in patients with neurological disorders. Schalén L, et al. **Acta Otolaryngol (Stockh)** 1982 May–Jun;93(5–6):387–95
Mechanisms underlying modulations of thermal nystagmic responses in parabolic flight. Graybiel A, et al. **Acta Otolaryngol [Suppl] (Stockh)** 1981;378:1–16
Visual perception of movement patterns during smooth eye tracking. Mateeff S. **Acta Physiol Pharmacol Bulg** 1981; 6(3):82–9
Localization of brief light stimuli on differently labelled reference patterns during smooth eye tracking. Mitrani L, et al. **Acta Physiol Pharmacol Bulg** 1981;7(2):19–24
Cognitive factors in subjective stabilization of the visual world. Bridgeman B. **Acta Psychol (Amst)** 1981 Aug; 48(1–3):111–21
Detection of displacement during saccades: spatial and functional differences allied to preprogramming. Heywood S. **Acta Psychol (Amst)** 1981 Aug;48(1–3):141–9
Eye movements and performance during bilateral tracing tasks. Honda H. **Acta Psychol (Amst)** 1981 Dec; 49(3):201–13
The apparent path of a stationary and a circularly moving spot during the smooth pursuit of another circularly moving spot. Kano C, et al. **Acta Psychol (Amst)** 1981 Aug; 48(1–3):151–60
Localization of brief visual stimuli during pursuit eye movements. Mateeff S, et al. **Acta Psychol (Amst)** 1981 Aug; 48(1–3):133–40
Effects of question type and experimenter position on bilateral differences in electrodermal activity and conjugate lateral eye movements. O'Gorman JG, et al. **Acta Psychol (Amst)** 1981 Oct;49(1):43–51
Saccadic programming and perceived location. Wong E, et al. **Acta Psychol (Amst)** 1981 Aug;48(1–3):123–31
Optokinetic stimulation. Morissette Y. **Adv Otorhinolaryngol** 1982;28:49–53
The significance of visual training in the treatment of reading disabilities. Broxterman J, et al. **Am Correct Ther J** 1981 Sep–Oct;35(5):122–5
The relationship of prone extension to other vestibular functions. Bundy AC, et al. **Am J Occup Ther** 1981 Dec; 35(12):782–7
Effect of state on nystagmus duration in the Southern California Postrotary Nystagmus Test. Montgomery PC, et al. **Am J Occup Ther** 1982 Mar;36(3):177–82
Eye and head movements in reading–disabled and normal children. Petri JL, et al. **Am J Occup Ther** 1980 Dec; 34(12):801–8
Expanded normative data: Southern California Postrotary Nystagmus Test. Punwar A. **Am J Occup Ther** 1982 Mar; 36(3):183–7
Abnormalities of the vestibulo–ocular response in congenital esotropia. Hoyt CS. **Am J Ophthalmol** 1982 Jun;93(6):704–8
Convergence–evoked eyelid nystagmus. Safran AB, et al. **Am J Ophthalmol** 1982 Jan;93(1):48–51
Use of eye movement auditory biofeedback in the control of nystagmus. Ciuffreda KJ, et al. **Am J Optom Physiol Opt** 1982 May;59(5):396–409
Clinical comparison of the zone of clear single binocular vision with the zone of zero–associated phoria. Godio LB, et al. **Am J Optom Physiol Opt** 1981 Dec;58(12):1194–8
Human response to cyclofusional stimuli containing depth cues. Hampton DR, et al. **Am J Optom Physiol Opt** 1982 Jan;59(1):21–7
A technique to measure accommodative convergence, heterophoria, and the AC/A during single binocular vision. Larson WL. **Am J Optom Physiol Opt** 1982 Feb;59(2):111–5
Effects of base-out training on proximal convergence. Mannen DL, et al. **Am J Optom Physiol Opt** 1981 Dec; 58(12):1187–93
Adaptation to prism–induced heterophoria in subjects with abnormal binocular vision or asthenopia. North R, et al. **Am J Optom Physiol Opt** 1981 Sep;58(9):746–52
Oculomotor functions in reading disability. Poynter HL, et al. **Am J Optom Physiol Opt** 1982 Feb;59(2):116–27
Effects of pure–tone sound, impulse noise, and vibration on visual orientation. Pyykkö I, et al. **Am J Otolaryngol** 1982 Mar–Apr;3(2):104–11
Automatic detection of eye movements in REM sleep using the electrooculogram. Gopal IS, et al. **Am J Physiol** 1981 Sep;241(3):R217–21
Slowly alternating skew deviation: description of a pretectal syndrome in three patients. Corbett JJ, et al.

Ann Neurol 1981 Dec;10(6):540–6
Ocular tilt reaction due to an upper brainstem lesion: paroxysmal skew deviation, torsion, and oscillation of the eyes with head tilt. Hedges TR 3d, et al. Ann Neurol 1982 May;11(5):537–40
Abnormal vertical eye movements in the locked-in syndrome. Larmande P, et al. Ann Neurol 1982 Jan; 11(1):100–2
Atypical ocular bobbing [letter] Roper AH. Ann Neurol 1981 Oct;10(4):400
Vestibular and oculomotor physiology: international meeting of the Bárány Society. Ann NY Acad Sci 1981;374:1–892
Sigma-movement and sigma-nystagmus: a new tool to investigate the gaze-pursuit system and visual-movement perception in man and monkey. Adler B, et al. Ann NY Acad Sci 1981;374:284–302
Ocular torsion in the cat after lesions of the interstitial nucleus of Cajal. Anderson JH. Ann NY Acad Sci 1981;374:865–71
Some thoughts about the three neurons in the vestibular ocular reflex. Baker R, et al. Ann NY Acad Sci 1981; 374:171–88
Eye movements in patients with Wallenberg's syndrome. Baloh RW, et al. Ann NY Acad Sci 1981;374:600–13
Vestibular influence upon head-eye coordination. Barnes GR, et al. Ann NY Acad Sci 1981;374:560–70
Horizontal eye movement signals in second-order vestibular nuclei neurons in the cat. Berthoz A, et al. Ann NY Acad Sci 1981;374:144–56
The role of the dentate nucleus and y-group in the generation of vertical smooth eye movement. Chubb MC, et al. Ann NY Acad Sci 1981;374:446–54
Velocity storage, nystagmus, and visual-vestibular interactions in humans. Cohen B, et al. Ann NY Acad Sci 1981;374:421–33
Natural retinal image motion: origin and change. Collewijn H, et al. Ann NY Acad Sci 1981;374:312–29
Tullio phenomenon with torsion of the eyes and subjective tilt of the visual surround. Deecke L, et al. Ann NY Acad Sci 1981;374:650–5
Nystagmus, gaze shift, and self-motion perception during sinusoidal head and neck rotation. de Jong JM, et al. Ann NY Acad Sci 1981;374:590–9
Binocular counterrolling in humans with unilateral labyrinthectomy and in normal controls. Diamond SG, et al. Ann NY Acad Sci 1981;374:69–79
Physiological mechanisms of the nystagmus produced by rotations about an earth-horizontal axis. Goldberg JM, et al. Ann NY Acad Sci 1981;374:40–3
The ascending tract of Deiters' and horizontal gaze. Highstein SM, et al. Ann NY Acad Sci 1981;374:102–11
Further observations on the phenomenon of rebound nystagmus. Hood JD. Ann NY Acad Sci 1981;374:532–9
Vestibular habituation in man and monkey during sinusoidal rotation. Jäger J, et al. Ann NY Acad Sci 1981;374:330–9
Unilateral habituation of vestibulo-ocular responses in the cat. Jeannerod M, et al. Ann NY Acad Sci 1981;374:340–51
Different effects involved in the interaction of saccades and the vestibulo-ocular reflex. Jürgens R, et al. Ann NY Acad Sci 1981;374:744–54
Visual-vestibular interaction in central nervous system disorders. Kato I, et al. Ann NY Acad Sci 1981;374:764–73
Compensation of unilateral vestibular loss in vestibular neuronitis. Katsarkas A, et al. Ann NY Acad Sci 1981; 374:784–93
The brain-stem projection to the cerebellar flocculus relevant to optokinetic responses in cats. Kawasaki T, et al. Ann NY Acad Sci 1981;374:455–64
Neural activity in the nucleus reticularis tegmenti pontis in the monkey related to eye movements and visual stimulation. Keller EL, et al. Ann NY Acad Sci 1981; 374:249–61
Modification of saccade by various central nervous system dysfunctions. Kimura Y, et al. Ann NY Acad Sci 1981; 374:755–63
Aftereffects of vestibular and optokinetic stimulation and their interaction. Koenig E, et al. Ann NY Acad Sci 1981; 374:434–45
A hypothetical explanation for periodic alternating nystagmus: instability in the optokinetic-vestibular system. Leigh RJ, et al. Ann NY Acad Sci 1981;374:619–35
Cat medial pontine neurons in vestibular nystagmus. Markham CH, et al. Ann NY Acad Sci 1981;374:189–209
The 'error' signals subserving adaptive gain control in the primate vestibulo-ocular reflex. Miles FA, et al. Ann NY Acad Sci 1981;374:513–25
Impaired suppression of vestibular nystagmus by fixation of visual and acoustic targets in neurological patients. Mira E, et al. Ann NY Acad Sci 1981;374:706–21
Dissociation of the eyes in saccadic movement. Miyoshi T, et al. Ann NY Acad Sci 1981;374:731–43
Visual mossy fiber inputs to the flocculus of the monkey. Noda H. Ann NY Acad Sci 1981;374:465–75
Effect of frontal-eye-field lesion on eye-head coordination in squirrel monkeys. O-Uchi T, et al. Ann NY Acad Sci 1981;374:656–73
Dynamics of vestibulo-ocular, vestibulocollic, and cervicocollic reflexes. Peterson BW, et al. Ann NY Acad Sci 1981;374:395–402
Visual-vestibular interaction in vestibular neurons: functional pathway organization. Precht W. Ann NY Acad Sci 1981; 374:230–48
Effects of gravity on rotatory nystagmus in monkeys. Raphan T, et al. Ann NY Acad Sci 1981;374:44–55
Reticulovestibular organization participating in generation of horizontal fast eye movement. Sasaki S, et al. Ann NY Acad Sci 1981;374:130–43
Acoustic-induced eye movements. Schaefer KP, et al. Ann NY Acad Sci 1981;374:674–88
Modifications of vestibular nystagmus produced by fixation of visual and nonvisual targets. Schmid R, et al. Ann NY Acad Sci 1981;374:689–705
The interaction between accuracy of gaze with and without head movements in patients with cerebellar ataxia. Shimizu N, et al. Ann NY Acad Sci 1981;374:579–89
Eye-muscle geometry and compensatory eye movements in lateral-eyed and frontal-eyed animals. Simpson JI, et al. Ann NY Acad Sci 1981;374:20–30
Visual suppression of caloric nystagmus in brain-stem lesions. Takemori S, et al. Ann NY Acad Sci 1981;374:846–54
Dynamic characteristics of the otolithic oculomotor system. Tokita T, et al. Ann NY Acad Sci 1981;374:56–68
Disturbances of eye-head coordination during lateral gaze in labyrinthine disease. Uemura T, et al. Ann NY Acad Sci 1981;374:571–8
Input-output activity of the primate flocculus during visual-vestibular interaction. Waespe W, et al. Ann NY Acad Sci 1981;374:491–503
Eye-velocity programming in brain-stem disorders. Wennmo C, et al. Ann NY Acad Sci 1981;374:774–83
A new neurotological test for detecting cerebellar dysfunction. Yagi T, et al. Ann NY Acad Sci 1981; 374:526–31
Ocular torsion on earth and in weightlessness. Young LR, et al. Ann NY Acad Sci 1981;374:80–92
Active head rotations and eye-head coordination. Zangemeister WH, et al. Ann NY Acad Sci 1981;374:540–59
Binocular counterrolling during sustained body tilt in normal humans and in a patient with unilateral vestibular nerve section. Diamond SG, et al. Ann Otol Rhinol Laryngol 1982 Mar-Apr;91(2 Pt 1):225–9
An overview of ocular motor neurophysiology. Troost BT. Ann Otol Rhinol Laryngol [Suppl] 1981 Jul-Aug;90(4 Pt 3 Suppl 86):29–36 (120 ref.)
Cerebellar control of the vestibulo-ocular reflex--around the flocculus hypothesis. Ito M. Annu Rev Neurosci 1982; 5:275–96
Surgical possibilities for alleviation of axial dyskinesias - comparison with forced movements of the head and eyes. Stejskal L, et al. Appl Neurophysiol 1981;44(5–6):320–9
Dissociation of smooth-pursuit and saccadic eye tracking in remitted schizophrenics. An ocular reaction time task that schizophrenic perform well. Iacono WG, et al. Arch Gen Psychiatry 1981 Sep;38(9):991–6
Optokinetic nystagmus and pursuit eye movements in schizophrenia. Latham C, et al. Arch Gen Psychiatry 1981 Sep;38(9):997–1003
Smooth pursuit eye tracking impairment: relation to other 'markers' of schizophrenia and psychologic correlates. Siever LJ, et al. Arch Gen Psychiatry 1982 Sep;39(9):1001–5
Opsoclonic cerebellopathy: spontaneous remission [letter] Bachman DS. Arch Neurol 1982 Jun;39(6):387
Conjugate gaze paresis in stroke patients with unilateral damage. An unexpected instance of hemispheric asymmetry. De Renzi E, et al. Arch Neurol 1982 Aug; 39(8):482–6
Neuro-otology of the lateral medullary infarct syndrome. Estañol B, et al. Arch Neurol 1982 Mar;39(3):176–9
Oculomotor effects of intermittent conduction block in myasthenia gravis and Guillain-Barré syndrome. An oculographic study with computer simulations. Feldon SE, et al. Arch Neurol 1982 Aug;39(8):497–503
Ocular dipping [letter] Luda E. Arch Neurol 1982 Jan;39(1):67
Progressive supranuclear palsy despite normal eye movements [letter] Nuwer MR. Arch Neurol 1981 Dec; 38(12):784
Ocular motor signs in some metabolic diseases. Cogan DG, et al. Arch Ophthalmol 1981 Oct;99(10):1802–8
Ocular signs of cerebellar disease. Cogan DG, et al. Arch Ophthalmol 1982 May;100(5):755–60
Graves' ophthalmopathy evaluated by infrared eye-movement recordings. Feldon SE, et al. Arch Ophthalmol 1982 Feb;100(2):324–8
Central ocular motor abnormalities in Duane's retraction syndrome. Gourdeau A, et al. Arch Ophthalmol 1981 Oct; 99(10):1809–10
Combined use of neostigmine and ocular motility measurements in the diagnosis of myasthenia gravis. Miller NR, et al. Arch Ophthalmol 1982 May;100(5):761–3
The optokinetic test: interaction of the vestibular and optokinetic system in normal subjects and patients with vestibular disorders. Pfaltz CR, et al. Arch Otorhinolaryngol 1982;234(1):21–31
The effect of cervical and vestibular reflexes on eye movements in Huntington's chorea. Leopold HC, et al. Arch Psychiatr Nervenkr 1982;231(3):227–34
Nystagmus as seen by the neurologist. Lander CM. Aust J Ophthalmol 1982 Feb;10(1):69–72
See-saw nystagmus. Williams IM, et al. Aust J Ophthalmol 1982 Feb;10(1):19–25
A procedure for the analysis of nystagmus and other eye movements. Barnes GR. Aviat Space Environ Med 1982 Jul;53(7):676–82
Spatial deficits on radial maze after large tectal lesions in rats: possible role of impaired scanning. Dean P, et al. Behav Neural Biol 1981 Jun;32(2):170–90
Objective evaluation of vestibular resistance depending on the direction of change of nystagmus parameters after cumulation of coriolis acceleration. Sidel'nikov IA. Biol Bull Acad Sci Ussr 1981 Mar-Apr;8(2):165–71
Visual-vestibular interaction in the control of eye movement: mathematical modelling and computer simulation. Buizza A, et al. Biol Cybern 1982;43(3):209–23
The composition of central programs subserving horizontal eye movements in man. Feldman AG. Biol Cybern 1981; 42(2):107–16
Visual localization during eye tracking on steady background and during steady fixation on moving background. Mateeff S, et al. Biol Cybern 1982;42(3):215–9
The measurement of cyclofusional response [letter] Kertesz AE. Br J Ophthalmol 1981 Aug;65(8):588–9
Ocular motility in alternating squints: an electro-oculographic study. Prakash P, et al. Br J Ophthalmol 1982 Apr;66(4):258–63
The 'one-and-a-half' syndrome. Electro-oculographic analyses of five cases with deductions about the Physiological mechanisms of lateral gaze. Pierrot-Deseilligny C, et al. Brain 1981 Dec;104(Pt 4):665–99
The use of laterally presented words in research into cerebral asymmetry: is directional scanning likely to be a source of artifact? Bradshaw JL, et al. Brain Lang 1981 Sep; 14(1):1–14
The horizontal and vertical cervico-ocular reflexes of the rabbit. Barmack NH, et al. Brain Res 1981 Nov 16; 224(2):261–78
Cat medial pontine reticular neurons related to vestibular nystagmus: firing pattern, location and projection. Curthoys IS, et al. Brain Res 1981 Oct 5;222(1):75–94
The variable gain element of the vestibulo-ocular reflex is common to the optokinetic system of the cat. Demer JL. Brain Res 1981 Dec 14;229(1):1–13
Connections of cat omnipause neurons. Kaneko CR, et al. Brain Res 1982 Jun 3;241(1):166–70
Depth perception, eye alignment and cortical ocular dominance of dark-reared cats. Kaye M, et al. Brain Res 1981 Aug;254(1):37–53
The behavior of the vestibulo-ocular reflex at high velocities of head rotation. Pulaski PD, et al. Brain Res 1981 Oct 5;222(1):159–65
The influence of lateral orientation on cerebral processing. Casey SM. Cortex 1981 Dec;17(4):503–13
Intense rapid eye movements during active sleep: an index of neurobehavioral instability. Becker PT, et al. Dev Psychobiol 1982 May;15(3):203–10
Vertical vergence movements. Houtman WA, et al. Doc Ophthalmol 1981 Jul 15;51(3):199–207
Nystagmus. van Vliet AG. Doc Ophthalmol 1982 Jan 29; 52(3–4):435–46
Age and sex variables in smooth-pursuit eye movements. Karlsen EA, et al. Ear Nose Throat J 1981 Nov; 60(11):503–5
Eye movement artifact nulling in EEGs by multichannel on-line EOG subtraction. Barlow JS, et al. Electroencephalogr Clin Neurophysiol 1981 Nov; 52(5):418–23
Visual signal detection and lambda responses. Yagi A. Electroencephalogr Clin Neurophysiol 1981 Dec; 52(6):604–10
Differential visual adaptation of vertical canal-dependent vestibulo-ocular reflexes. Berthoz A, et al. Exp Brain Res 1981;44(1):19–26
The coordination of eye, head, and arm movements during reaching at a single visual target. Biguer B, et al. Exp Brain Res 1982;46(2):301–4
Enhanced activation of neurons in prelunate cortex before visually guided saccades of trained rhesus monkeys. Fischer B, et al. Exp Brain Res 1981;44(2):129–37
Optokinetic nystagmus in the pigeon (Columba livia). I. Study in monocular and binocular vision. Gioanni H, et al. Exp Brain Res 1981;44(4):362–70
The vibrissal pad as a source of sensory information for the oculomotor system of the cat. Gogan P, et al. Exp Brain Res 1981;44(4):409–18
Eye movements and vestibular-nerve responses produced in the squirrel monkey by rotations about an earth-horizontal axis. Goldberg JM, et al. Exp Brain Res 1982;46(3):393–402
The eye movements of the dark-reared cat. Harris LR, et al. Exp Brain Res 1981;44(1):41–56
Eye movement related neurons in the cerebellar nuclei of the alert monkey. Hepp K, et al. Exp Brain Res 1982; 45(1–2):253–64
Specific effects of unilateral lesions in the flocculus upon eye movements in albino rabbits. Ito M, et al. Exp Brain Res 1982;45(1–2):233–42
Oculomotor response to rapid head oscillation (0.5–5.0 Hz) after prolonged adaptation to vision-reversal. 'Simple' and 'complex' effects. Melvill Jones G, et al. Exp Brain Res 1982;45(1–2):45–58
Functional organization of premotor neurons in the cat medial vestibular nucleus related to slow and fast phases of nystagmus. Nakao S, et al. Exp Brain Res 1982; 45(3):371–85
Retinotopic organization of extra-retinal saccade-related input to the visual cortex in the cat. Vanni-Mercier G, et al. Exp Brain Res 1982;46(3):368–76
Horizontal eye position-related activity in neck muscles of

the alert cat. Vidal PP, et al. **Exp Brain Res** 1982; 46(3):448–53

Recovery of visual functions in patients with cerebral blindness. Effect of specific practice with saccadic localization. Zihl J. **Exp Brain Res** 1981;44(2):159–69

Eye movement recordings in gyrate atrophy of the retina. Feldon SE, et al. **Exp Eye Res** 1982 Feb;34(2):293–5

Effect of bilateral ablation of the vestibular cerebellum on visual–vestibular interaction. Honrubia V, et al. **Exp Neurol** 1982 Mar;75(3):616–26

Visual–vestibular interaction: effect of prolonged stimulation on the vestibulo–oculomotor reflex responses. Honrubia V, et al. **Exp Neurol** 1982 May;76(2):347–60

Effects of superior colliculus electrolytic lesion on eye movements evoked through electrical stimulation of the pulvinar–lateralis posterior complex. Infante C, et al. **Exp Neurol** 1982 Jul;77(1):94–101

Gaze latency: variable interactions of head and eye latency. Zangemeister WH, et al. **Exp Neurol** 1982 Feb; 75(2):389–406

Plasticity in the oculomotor system. Robinson DA. **Fed Proc** 1982 Apr;41(6):2153–5

Eye movement as an indicator of brain function. Kojima T, et al. **Folia Psychiatr Neurol Jpn** 1981;35(4):425–35

Flickering light spot as a tracking target for the study of smooth pursuit eye movements in schizophrenics—a new method. Matsue Y, et al. **Folia Psychiatr Neurol Jpn** 1981; 35(4):437–45

Development of logical search and visual scanning in children. Dickerson DJ, et al. **Genet Psychol Monogr** 1981 Nov;104(Second Half):325–37

Fusional movements by peripheral retinal stimulation ('peripheral motor fusion'). Houtman WA, et al. **Graefes Arch Clin Exp Ophthalmol** 1982;218(4):218–20

Eye movement measurement of readability of CRT displays. Kolers PA, et al. **Hum Factors** 1981 Oct;23(5):517–27

Differences in eye movement data recorded by electro-oculography and corneal reflection techniques. Lehtelä J. **Hum Factors** 1981 Dec;23(6):661–5

Coordination of eye and head movements during the fixation reflex. Kozlovskaya IB, et al. **Hum Physiol** 1981 Jan–Feb; 7(1):17–21

Quantitative evaluation of saccadic eye movement disorders under random visual stimuli on CRT. Kosugi Y, et al. **IEEE Trans Biomed Eng** 1982 Mar;29(3):184–92

Human vertical fusional response under open and closed loop stimulation to predictable and unpredictable disparity presentations. Perlmutter AL, et al. **IEEE Trans Biomed Eng** 1982 Jan;29(1):57–60

Algorithms for the clinical analysis of nystagmus eye movements. Wall C 3d, et al. **IEEE Trans Biomed Eng** 1981 Sep;28(9):638–46

Measurement of eye movement with a ferromagnetic contact ring. Zeevi YY, et al. **IEEE Trans Biomed Eng** 1982 Jul; 29(7):511–22

Combined horizontal and vertical retraction syndrome. Prakash P, et al. **Indian J Ophthalmol** 1981 Jul;29(2):113–4

Fusional response to extrafoveal stimulation. Kertesz AE, et al. **Invest Ophthalmol Vis Sci** 1981 Oct;21(4):600–5

Horizontal gaze position effect on intraocular pressure. Moses RA, et al. **Invest Ophthalmol Vis Sci** 1982 Apr;22(4):551–3

Saccadic suppression under conditions of whiteout. Riggs LA, et al. **Invest Ophthalmol Vis Sci** 1982 Jul;23(1):138–43

Learning patterns of eye motion for foveal pursuit. Whittaker SG, et al. **Invest Ophthalmol Vis Sci** 1982 Sep;23(3):393–7

Slow eye movements to eccentric targets. Wyatt HJ, et al. **Invest Ophthalmol Vis Sci** 1981 Sep;21(3):477–83

Do learning-disabled children exhibit peripheral deficits in selective attention? An analysis of eye movements during reading. Lahey BB, et al. **J Abnorm Child Psychol** 1982 Mar;10(1):1–10

Movement phosphenes in optic neuritis. Swerdloff MA, et al. **J Clin Neuro Ophthalmol** 1981 Dec;1(4):279–82

Organization of afferent input to subdivisions of area 8 in the rhesus monkey. Barbas H, et al. **J Comp Neurol** 1981 Aug 10;200(3):407–31

Saccadic eye movements are coordinated with head movements in walking chickens. Pratt DW. **J Exp Biol** 1982 Apr;97:217–23

Infants' scanning of geometric forms varying in size. Hainline L, et al. **J Exp Child Psychol** 1982 Apr;33(2):235–56

Eye movements of monkeys during discrimination learning: role of visual scanning. Schrier AM, et al. **J Exp Psychol [Anim Behav]** 1982 Jan;8(1):33–48

Paradigms and processes in reading comprehension. Just MA, et al. **J Exp Psychol [Gen]** 1982 Jun;111(2):228–38

Reading with and without eye movements: reply to Just, Carpenter, and Woolley. Ward NJ, et al. **J Exp Psychol [Gen]** 1982 Jun;111(2):239–41

Tachistoscopic simulations of eye fixations on pictures. Loftus GR. **J Exp Psychol [Hum Learn]** 1981 Sep; 7(5):369–76

Saccadic eye movements to peripherally discriminated visual targets. Viviani P, et al. **J Exp Psychol [Hum Percept]** 1982 Feb;8(1):113–26

Variability and habituation of nystagmic responses to hot caloric stimulation of normal subjects. Evidence that this test may be inapplicable to monitoring drug-induced vestibular toxicity. Davey PG, et al. **J Laryngol Otol** 1982 Jul;96(7):599–612

Eye-head coordination in homonymous hemianopia. Zangemeister WH, et al. **J Neurol** 1982;226(4):243–54

Eye–head co-ordination in patients with Parkinsonism and cerebellar ataxia. Shimizu N, et al. **J Neurol Neurosurg Psychiatry** 1981 Jun;44(6):509–15

Activity of omnipause neurons in alert cats during saccadic eye movements and visual stimuli. Evinger C, et al. **J Neurophysiol** 1982 May;47(5):827–44

Behavioral enhancement of visual responses in monkey cerebral cortex. II. Modulation in frontal eye fields specifically related to saccades. Goldberg ME, et al. **J Neurophysiol** 1981 Oct;46(4):773–87

Role of cat pontine burst neurons in generation of saccadic eye movements. Kaneko CR, et al. **J Neurophysiol** 1981 Sep;46(3):387–408

Activity of flocculus Purkinje cells during passive eye movements. Kimura M, et al. **J Neurophysiol** 1981 Nov; 46(5):1004–17

Vertical eye movement-related responses of neurons in midbrain near intestinal nucleus of Cajal. King WM, et al. **J Neurophysiol** 1981 Sep;46(3):549–62

Neuronal activity in prepositus nucleus correlated with eye movement in the alert cat. Lopez-Barneo J, et al. **J Neurophysiol** 1982 Feb;47(2):329–52

Visual and pursuit eye movement–related activity in posterior vermis of monkey cerebellum. Suzuki DA, et al. **J Neurophysiol** 1981 Nov;46(5):1120–39

Characteristics of saccadic dysmetria in monkeys during reversible lesions of medial cerebellar nuclei. Vilis T, et al. **J Neurophysiol** 1981 Oct;46(4):828–38

Effects of ablation of flocculus and paraflocculus of eye movements in primate. Zee DS, et al. **J Neurophysiol** 1981 Oct;46(4):878–99

Failure of suppression of post-caloric nystagmus by fixation. Katsarkas A, et al. **J Otolaryngol** 1982 Feb;11(1):57–9

Electronystagmographic recording superimposed on a videotape sequence of eye movements. Longridge NS. **J Otolaryngol** 1981 Dec;10(6):493–4

Saccadic velocities of horizontal rectus muscles in twenty-five normal humans. Mims JL 3d, et al. **J Pediatr Ophthalmol Strabismus** 1982 May–Jun; 19(3):129–36

Oculomotor abnormalities in chronic GM2 gangliosidosis. Musarella MA, et al. **J Pediatr Ophthalmol Strabismus** 1982 Mar–Apr;19(2):80–9

Non-fixating eye movement distance recording –a new technique to distinguish rectus muscle paresis from restriction. Rosenbaum AL, et al. **J Pediatr Ophthalmol Strabismus** 1981 Nov–Dec;18(6):8–13

A comparison of the horizontal and vertical vestibulo–ocular reflexes of the rabbit. Barmack NH. **J Physiol (Lond)** 1981 May;314:547–64

Eye position signals in the flocculus of the monkey during smooth-pursuit eye movements. Noda H, et al. **J Physiol (Lond)** 1982 Mar;324:187–202

The effect of attention on smooth pursuit eye movements of schizophrenics. Cegalis JA, et al. **J Psychiatr Res** 1981; 16(3):145–61

The diagnostic value of abnormal eye movements: a pathophysiological approach. Leigh RJ, et al. **Johns Hopkins Med J** 1982 Sep;151(3):122–35 (61 ref.)

Use of grammatical constraints in reading by young deaf adults as reflected in eye–voice span. Cooley JD. **Lang Speech** 1981 Dec;24(Pt 4):349–62

Is spontaneous nystagmus a pathological sign? Kumar A. **Laryngoscope** 1982 Jun;92(6 Pt 1):618–26

Loss of eye movements abolishes light entrainment of circadian mesolimbic catecholamine excitability: a function for REM? Stevens JR, et al. **Life Sci** 1982 Feb 7; 30(6):495–501

New instrument for monitoring eye fixation and pupil size during the visual field examination. Charlier JR, et al. **Med Biol Eng Comput** 1982 Jan;20(1):23–8

Coincidence eye position device with applications in clinical psychophysics, eye-position training and visual evoked response recording. Genter CR 2d, et al. **Med Biol Eng Comput** 1981 Jul;19(4):509–13

Quantification of the vestibulo-ocular reflex and visual–vestibular interaction for the purpose of clinical diagnosis. Larsby B, et al. **Med Biol Eng Comput** 1982 Jan; 20(1):99–107

Latency of horizontal saccadic eye movements in thyrotoxicosis. Neumann E, et al. **Metab Pediatr Ophthalmol** 1981;5(2):111–5

Neurophysiological organization of the superior colliculus pathways related to gaze control. Maeda M, et al. **Neurol Med Chir (Tokyo)** 1981 Jan;21(1):1–10

Ocular bobbing in metabolic encephalopathy: clinical, pathologic, and electrophysiologic study. Drake ME Jr, et al. **Neurology (NY)** 1982 Sep;32(9):1029–31

Cerebellar control of fixation eye movements. Hotson JR. **Neurology (NY)** 1982 Jan;32(1):31–6

An eye movement disorder in amyotrophic lateral sclerosis. Jacobs L, et al. **Neurology (NY)** 1981 Oct;31(10):1282–7

Cerebral square wave jerks. Sharpe JA, et al. **Neurology (NY)** 1982 Jan;32(1):57–62

Modifications of presaccadic activation on neurons in the extrastriate cortex during prolonged training of rhesus monkeys in a visuo–oculomotor task. Fischer B, et al. **Neurosci Lett** 1982 May 28;30(2):127–31

A comment on the center for vertical eye movements in the medial prerubral subthalamic region of the monkey considering some of its frontal cortical afferents. Leichnetz GR. **Neurosci Lett** 1982 May 28;30(2):95–101

Periodic alternating gaze: electro–oculographic and anatomical observation of a new case. Larmande P, et al. **Neurosurgery** 1982 Feb;10(2):263–5

Listening for eye movements. Abadi RV, et al. **Ophthalmic Physiol Opt** 1981;1(1):19–27

Computer simulation of extraocular muscle co–operation: an evaluation. Clement RA. **Ophthalmic Physiol Opt** 1982; 2(2):107–17

The significance of inadequate convergence. Pickwell LD, et al. **Ophthalmic Physiol Opt** 1981;1(1):13–8

Jump–convergence test in strabismus. Pickwell LD, et al. **Ophthalmic Physiol Opt** 1981;1(2):123–4

The effect of anterior orbital decompression on motility in thyroid exophthalmos. Dixon R, et al. **Ophthalmic Surg** 1981 Dec;12(12):905–10

Kinetic electro–oculography: aims – disadvantages and limitations. Quéré MA, et al. **Ophthalmologica** 1981; 182(2):73–80

Congenital nystagmus: clinical types and their surgical treatment. Spielmann A. **Ophthalmologica** 1981; 182(2):65–72

Eye bobbing associated with jaw movement. Oesterle CS, et al. **Ophthalmology (Rochester)** 1982 Jan;89(1):63–7

Oculomotor abnormalities after labyrinthine and cerebellar lesion. A case report. Cherubino M, et al. **ORL J Otorhinolaryngol Relat Spec** 1982;44(1):24–35

Spike artefact associated with fast eye movements in electronystagmography and its importance in the automatic analysis of saccades. Jäntti V. **ORL J Otorhinolaryngol Relat Spec** 1982;44(4):216–25

Enhancement of eye motor response and electrical brain activity during noise and vibration in rabbits. Pyykkö I, et al. **Otolaryngol Head Neck Surg** 1982 Jan–Feb; 90(1):130–8

Lateral eye movements as indicators of processing strategies in paired–associate learning: their effect on recall, recognition, and error type. Onken JB, et al. **Pavlov J Biol Sci** 1981 Jul–Sep;16(3):157–62

Ocular position in sentence–picture comparisons. Carlson RD, et al. **Percept Mot Skills** 1982 Feb;54(1):291–7

Functional asymmetry in the chimpanzee. Muncer SJ. **Percept Mot Skills** 1982 Feb;54(1):147–52

Perception of eye scans with the Müller–Lyer stimuli: evidence for filter theory. Petersik JT. **Percept Mot Skills** 1982 Jun;54(3):683–92

Effects of tilt adaptation on the direction of voluntary saccades. Callan J, et al. **Perception** 1982;10(6):615–26

An attempt at correlating visuomotor–induced tilt aftereffect and ocular cyclotorsion. Courjon JH, et al. **Perception** 1981; 10(5):519–24

Pursuit eye movements and the depth–movement phenomenon in dynamic visual noise. Leguire LE. **Perception** 1981;10(3):295–8

Adaptation to visual displacement: contribution of proprioceptive, visual, and attentional factors. Mather JA, et al. **Perception** 1981;10(4):367–74

Vergence eye movements made in response to spatial–frequency–filtered random–dot stereograms. Mowforth P, et al. **Perception** 1981;10(3):299–304

Optokinetic, vestibular, and optokinetic–vestibular responses in albino and pigmented rats. Lannou J, et al. **Pflugers Arch** 1982 Mar;393(1):42–4

Eye stabilization for receptive field mapping without systemic paralysis. Marrocco RT, et al. **Physiol Behav** 1982 May;28(5):945–7

Saccadic eye movements in psychotic patients. Levin S, et al. **Psychiatry Res** 1981 Aug;5(1):47–58

Horizontal and vertical pursuit eye movements, the oculocephalic reflex, and the functional psychoses. Lipton RB, et al. **Psychiatry Res** 1980 Oct;3(2):193–203

Eye movements and variations in reading time. Kennedy A, et al. **Psychol Res** 1981;43(1):69–79

Eye movement control during reading: evidence for direct control. Rayner K, et al. **Q J Exp Psychol [A]** 1981 Nov; 33A(Pt 4):351–73

Ocular microtremor and the level of vigilance. Golda V, et al. **Sb Ved Pr Lek Fak Univ Karlovy** 1981;24(1):77–83

Measuring deviant eye tracking. Lykken DT, et al. **Schizophr Bull** 1981;7(2):204–5

Eye movement patterns in infants [letter] Aserinsky E. **Science** 1982 Mar 5;215(4537):1274

Oculoparalytic illusion: visual–field dependent spatial mislocalizations by humans partially paralyzed with curare. Mayin L, et al. **Science** 1982 Apr 9;216(4542):198–201

Ocular myoclonus and oscillopsia. A problem of treatment. Spalton DJ, et al. **Trans Ophthalmol Soc UK** 1980; 100(4):507–8

Disorders of head and eye movements in children. Taylor D. **Trans Ophthalmol Soc UK** 1980;100(4):489–94 (36 ref.)

Directional changes in the vestibular ocular response as a result of adaptation to optical tilt. Callan JW, et al. **Vision Res** 1982;22(1):37–42

Monocular rivalry occurs without eye movements. Crassini B, et al. **Vision Res** 1982;22(1):203–4

Corrective saccades: effect of shifting the saccade goal. Deubel H, et al. **Vision Res** 1982;22(3):353–64

Diplopia thresholds and the initiation of vergence eye-movements. Duwaer AL, et al. **Vision Res** 1981; 21(12):1727–37

A note on the remote oculometer technique for recording eye movements. Gale AG. **Vision Res** 1982;22(1):201–2

Is perceived motion a stimulus for smooth pursuit. Mack A,

et al. **Vision Res** 1982;22(1):77–88

Saccadic suppression and the dual mechanism theory of direction constancy [letter] Matin E. **Vision Res** 1982; 22(2):335–6

Vernier discrimination with sequentially–flashed lines: roles of eye movements, retinal offsets and short–term memory. Matin L, et al. **Vision Res** 1981;21(5):647–56

Asysmmetrical vergence and multiple saccades. Ono H, et al. **Vision Res** 1981;21(5):739–43

Perception of suprathreshold stimuli during saccadic eye movements. Riggs LA, et al. **Vision Res** 1982;22(4):423–8

The influence of field size upon the spatial frequency response of optokinetic nystagmus. Schor C, et al. **Vision Res** 1981; 21(7):985–94

The effect of L–tryptophan loading on glucose tolerance in kwashiorkor children. El–Bassousy EM, et al. **Z Ernahrungswiss [Suppl]** 1981 Sep;20(3):223–8

[Orthograph and oculogyria for localization of intraocular foreign bodies (author's transl)] An JX. **Chung Hua Fang She Hsueh Tsa Chih** 1981 Nov; 15(4):278–81 **(Chi)**

[A mathematical model for vestibulo–ocular reflex (author's transl)] Zhao SL, et al. **Sheng Li Ko Hsueh Chin Chan** 1981 Feb;12(2):157–9 **(Chi)**

[Numerical analysis of ocular movements in brain stem lesions (author's transl)] Freyss G, et al. **Ann Otolaryngol Chir Cervicofac** 1981;98(1–2):1–7 (Eng. Abstr.) **(Fre)**

[The perverted nystagmus (author's transl)] Toupet M, et al. **Ann Otolaryngol Chir Cervicofac** 1981;98(7–8):319–38 (Eng. Abstr.) **(Fre)**

[The diagnostic value of vertical nystagmus in the simultaneous bilateral calibrated caloric vestibular test (author's transl)] Toupet M, et al. **Ann Otolaryngol Chir Cervicofac** 1981;98(7–8):343–51 (Eng. Abstr.) **(Fre)**

[Pseudocaloric nystagmus (author's transl)] Toupet M, et al. **Ann Otolaryngol Chir Cervicofac** 1981;98(7–8):353–8 (Eng. Abstr.) **(Fre)**

[Genetic study of systems of spatial reference using eye movements and 2 memorization tasks] Baudonnière PM, et al. **Annee Psychol** 1981;81(2):329–46 (Eng. Abstr.) **(Fre)**

[The role of visual information in the first postural responses] Jouen F, et al. **Annee Psychol** 1981;81(1):197–221 (Eng. Abstr.) **(Fre)**

[Physiology of eye movements for visual stabilization] Meulders M, et al. **Bull Mem Acad R Med Belg** 1981; 136(7):353–78 (Eng. Abstr.) **(Fre)**

[The Mehdorn prism competition test] Lanthony P. **Bull Soc Ophtalmol Fr** 1982 Jan;82(1):49–51 **(Fre)**

[Mathematical model of dyssynergia] Pastor–Jimeno JC, et al. **Bull Soc Ophtalmol Fr** 1982 Feb;82(2):231–4 **(Fre)**

[Congenital absence of lateroversion with ocular retraction: an EMG study] Reny A. **Bull Soc Ophtalmol Fr** 1981 Oct; 81(10):873–4 (Eng. Abstr.) **(Fre)**

[Electro–oculographie study of vergence movements. II. Asymmetric vergence (author's transl)] Quere MA, et al. **J Fr Ophtalmol** 1981;4(5):421–30 (Eng. Abstr.) **(Fre)**

[Ocular scanning modalities in dyslexic children (author's transl)] Gabersek V, et al. **Rev Electroencephalogr Neurophysiol Clin** 1981 Nov; 11(2):277–88 (Eng. Abstr.) **(Fre)**

[Physiological ocular incongruity in man (author's transl)] Gabersek V, et al. **Rev Electroencephalogr Neurophysiol Clin** 1982 Apr; 12(1):44–53 (23 ref.) (Eng. Abstr.) **(Fre)**

[Tracking without vision: effect of visual privation on ocular tracking movements in normal subjects (author's transl)] Pautrizel B, et al. **Rev Neurol (Paris)** 1981;137(6–7):457–62 (Eng. Abstr.) **(Fre)**

[Flutter–opsoclonus: report on three cases (author's transl)] Toupet M, et al. **Rev Neurol (Paris)** 1982;138(3):219–39 (Eng. Abstr.) **(Fre)**

[Optic ataxia: analysis of eye and hand responses in pointing at visual targets (author's transl)] Vighetto A, et al. **Rev Neurol (Paris)** 1981;137(5):357–72 (Eng. Abstr.) **(Fre)**

[Opsoclonus. 1 case (author's transl)] Rosa A, et al. **Rev Otoneuroophtalmol** 1981 Oct–Dec;53(5):459–61 (Eng. Abstr.) **(Fre)**

[The investigation of ocular kinetics using a diode visual stimulator (author's transl)] Strubel D, et al. **Rev Otoneuroophtalmol** 1982 Jan–Feb;54(1):63–6 (Eng. Abstr.) **(Fre)**

[Investigation of the influence of vigilance on the nystagmic reaction (author's transl)] Kanacher G, et al. **Arch Otorhinolaryngol** 1982;234(3):267–76 (Eng. Abstr.) **(Ger)**

[Supranuclear and internuclear ocular motor disorders (author's transl)] Kömpf D. **Fortschr Neurol Psychiatr** 1982 May;50(5):143–64 (Eng. Abstr.) **(Ger)**

[Muscle dynamics in compensatory eye movements (author's transl)] Sradj N. **Klin Monatsbl Augenheilkd** 1981 Dec; 179(6):488–9 (Eng. Abstr.) **(Ger)**

[Paradoxical oculo–palpebral motility and related syndromes] Sanna G, et al. **Acta Neurol [Quad] (Napoli)** 1980;40:1–95 (0 ref.) (Eng. Abstr.) **(Ita)**

[Influence of the spinal cord on the cerebral cortex nystagmogenic area] Tolu E, et al. **Boll Soc Ital Biol Sper** 1981 Jun 15;57(11):1267–73 (Eng. Abstr.) **(Ita)**

[Changes in 'smooth pursuit' movements in a group of patients with hepatolenticular degeneration] Congia S, et al. **Riv Neurobiol** 1980 Jul–Sep;26(3):263–72 (Eng. Abstr.) **(Ita)**

[Clinical study of disorders of eye movements (voluntary and following) after acute vascular accidents involving the cerebral hemispheres (author's transl)] Colombo A, et al. **Riv Patol Nerv Ment** 1981 Jan–Feb;102(1):38–46 (Eng. Abstr.) **(Ita)**

[Mechanisms of foveation in asymmetric vergence eye movements (author's transl)] Miyai H, et al. **Iyodenshi To Seitai Kogaku** 1980 Oct;18(6):413–9 (Eng. Abstr.) **(Jpn)**

[The studies on saccadic reaction time. II. Cases with mental deficiency, diffuse cerebral atrophy and parietal lobe lesion (author's transl)] Fukushima M. **Nippon Ganka Gakkai Zasshi** 1982;86(5):510–8 (Eng. Abstr.) **(Jpn)**

[The studies on saccadic reaction time. I. Methodology and normal subjects (author's transl)] Fukushima M. **Nippon Ganka Gakkai Zasshi** 1982;86(1):36–41 (Eng. Abstr.) **(Jpn)**

[Various factors in the visually evoked cortical potential triggered by saccadic eye movement (author's transl)] Kuroda J, et al. **Nippon Ganka Gakkai Zasshi** 1981 Oct 10;85(10):1541–7 (Eng. Abstr.) **(Jpn)**

[Studies on the velocity of saccadic eye movements with special reference to aging changes (author's transl)] Majima A, et al. **Nippon Ganka Gakkai Zasshi** 1981 Dec 10; 85(12):2103–7 (Eng. Abstr.) **(Jpn)**

[Frequency response characteristics of ocular movement. A preliminary note (author's transl)] Mitsui Y, et al. **Nippon Ganka Gakkai Zasshi** 1981 Aug 10;85(8):977–8 (Eng. Abstr.) **(Jpn)**

[A case of macrosquare wave jerks with spinocerebellar degeneration: on mechanism of square oscillation (author's transl)] Nagata R, et al. **Nippon Ganka Gakkai Zasshi** 1981 Dec 10;85(12):2095–102 (Eng. Abstr.) **(Jpn)**

[Study of convergence – asymmetric eye movement during fusional convergence (author's transl)] Onoe H. **Nippon Ganka Gakkai Zasshi** 1982;86(4):468–73 (Eng. Abstr.) **(Jpn)**

[Eye movement disorders in myotonic dystrophy (author's transl)] Oohira A, et al. **Nippon Ganka Gakkai Zasshi** 1982; 86(5):540–6 (Eng. Abstr.) **(Jpn)**

[Peak velocity of normal human saccadic eye movements (author's transl)] Oohira A, et al. **Nippon Ganka Gakkai Zasshi** 1981;85(11):2001–7 (Eng. Abstr.) **(Jpn)**

[The peak velocity of saccadic eye movements in abducens palsy (author's transl)] Oohira A, et al. **Nippon Ganka Gakkai Zasshi** 1982;86(2):169–73 (Eng. Abstr.) **(Jpn)**

[Eye Movement with body tilt (author's transl)] Takahashi K. **Nippon Ganka Gakkai Zasshi** 1981 Aug 10;85(8):952–8 (Eng. Abstr.) **(Jpn)**

['Physiological observations on the eye movement with the acts of closing and opening of the eyelid' (author's transl)] Tenjin T, et al. **Nippon Ganka Gakkai Zasshi** 1982; 86(5):501–9 (Eng. Abstr.) **(Jpn)**

[A polygraphic study of delirium tremens: with special reference to eye movements in awake patients with the eyes closed (author's transl)] Yamamoto H. **Nippon Ika Daigaku Zasshi** 1981 Feb;48(1):80–8 (Eng. Abstr.) **(Jpn)**

[Body sway stabilization induced during periodic saccades (author's transl)] Hashimoto M. **Nippon Seirigaku Zasshi** 1981;43(3):73–83 (Eng. Abstr.) **(Jpn)**

[Consideration on the mechanism of ocular movement disorders in Fisher's syndrome (author's transl)] Inoue Y, et al. **Rinsho Shinkeigaku** 1981 Nov;21(11):952–60 (Eng. Abstr.) **(Jpn)**

[Relation of alpha–like brain activity to eye movement in the cat] Goncharskaia EV, et al. **Biol Nauki** 1982;(2):48–54 **(Rus)**

[Electrical stimulation of the lateral geniculate body evokes eye movements] Svetlova VIa, et al. **Dokl Akad Nauk SSSR** 1982;263(2):507–9 **(Rus)**

[Role of M– and N–cholinergic biosystems of the brain in the mechanisms responsible for optokinetic, postoptokinetic, and reversed postoptokinetic nystagmus] Neverov VP, et al. **Fiziol Zh SSSR** 1981 May;67(5):738–43 (Eng. Abstr.) **(Rus)**

[Mechanism of otolithic nystagmus] Stolbkov IuK. **Fiziol Zh SSSR** 1981 May;67(5):732–7 **(Rus)**

[Optokinetic effects and the development of motion sickness] Kornilova LN, et al. **Kosm Biol Aviakosm Med** 1982 Jan–Feb;16(1):67–70 (Eng. Abstr.) **(Rus)**

[Method of recording the rotatory reflexes of the eyes] Levashov MM, et al. **Kosm Biol Aviakosm Med** 1981 Nov–Dec;15(6):80–2 **(Rus)**

[Mechanism of restoring the position and mobility of the eye in paralytic strabismus by a new surgical method] Avetisov ES, et al. **Vestn Oftalmol** 1981 Nov–Dec;(6):42–5 (Eng. Abstr.) **(Rus)**

[Accuracy of saccadic eye movements to visual and nonvisual stimuli (author's transl)] Zikmund V, et al. **Bratisl Lek Listy** 1982 Apr;77(4):394–402 (Eng. Abstr.) **(Slo)**

[Pontomedullar reticular formation neurons with vestibular, eye movement and neck displacement sensitivity in the alert cat (author's transl)] León A, et al. **Rev Esp Fisiol** 1981 Sep;37(3):323–30 (Eng. Abstr.) **(Spa)**

DRUG EFFECTS

Quantitative eye tracking tests in lead workers. Baloh RW, et al. **Am J Industr Med** 1980;1(1):109–13

Evaluation of the neurophysiologic effects of 1,2–propylene glycol dinitrate by quantitative ataxia and oculomotor function tests. Horvath EP, et al. **Am J Industr Med** 1981; 2(4):365–78

Myoclonus and ocular oscillations induced by L–tryptophan. Baloh RW, et al. **Ann Neurol** 1982 Jan;11(1):95–7

Opsoclonic cerebellopathy: A paraneoplastic syndrome responsive to thiamine. Nausieda PA, et al. **Arch Neurol** 1981 Dec;38(12):780–1

The relationship between peak velocity of saccadic eye movements and serum benzodiazepine concentration. Bittencourt PR, et al. **Br J Clin Pharmacol** 1981 Oct; 12(4):523–33

Phase changes induced by ketamine in the vertical vestibulo–ocular reflex in the rabbit. Favilla M, et al. **Brain Res** 1981 Nov 9;224(1):213–7

Smooth pursuit eye movements among storage battery workers. Specchio LM, et al. **Clin Toxicol** 1981 Nov; 18(11):1269–76

Eye tracking in patients with unipolar and bipolar affective disorders in remission. Iacono WG, et al. **J Abnorm Psychol** 1982 Feb;91(1):35–44

Emotional factors in oculogyric crisis. Bumpass ER, et al. **J Nerv Ment Dis** 1982 Jun;170(6):366–70

Effects of adenosine diphosphate administration on the vestibulo–oculomotor reflex of rabbits. Yamamoto K, et al. **Otolaryngol Head Neck Surg** 1981 Nov–Dec; 89(6):1030–6

Smooth pursuit eye movements in epileptics under antiepileptic medication. Matsue Y, et al. **Tohoku J Exp Med** 1981 Aug;134(4):341–9

[Electronystagmographic changes induced by drugs active on the central vestibulo–ocular system. Recent experimental data (author's transl)] Bronner G, et al. **Rev Otoneuroophtalmol** 1981 Mar–Apr;53(2):95–110 (Eng. Abstr.) **(Fre)**

EYE NEOPLASMS

Regressed retinoblastoma—a long term follow up. Krishnan M, et al. **Indian J Ophthalmol** 1981 Jul;29(2):111–2

[Metastatic retinoblastoma of the mandible –a case report– (author's transl)] Kuo YS, et al. **Taiwan I Hsueh Hui Tsa Chih** 1981 May;80(5):542–6 (Eng. Abstr.) **(Chi)**

ANALYSIS

Fc and C3b receptors on cultured retinoblastoma cells. Stein PC, et al. **Invest Ophthalmol Vis Sci** 1981 Oct;21(4):550–3

CHEMICALLY INDUCED

Induction of ocular neoplasms in Fischer rats by intraocular injection of nickel subsulfide. Albert DM, et al. **Invest Ophthalmol Vis Sci** 1982 Jun;22(6):768–82

CLASSIFICATION

Typologia histologica WHO tumorum oculi eiusque adnexorum Latine reddita numerisque disposita. A latin translation and coded compendium of the World Health Organization's histological typing of tumours of the eye and its adnexa. Andersen AR, et al. **Acta Pathol Microbiol Immunol Scand [Suppl]** 1982; 280:1–37

COMPLICATIONS

Ocular malformation in association with ipsilateral facial nevus of Jadassohn. Wilkes SR, et al. **Am J Ophthalmol** 1981 Sep;92(3):344–52

Concurrent heritable retinoblastoma, pinealoma, and trisomy X. Judisch GF, et al. **Arch Ophthalmol** 1981 Oct; 99(10):1767–9

Massive ocular astrocytoma in a congenitally deformed eye. Wolter JR, et al. **Br J Ophthalmol** 1982 Sep;66(9):583–8

The role of arteriography in the management of renal cell carcinoma associated with von Hippel–Lindau disease. Kadir S, et al. **J Urol** 1981 Sep;126(3):316–9

Vitreous hemorrhage complicating retinal astrocytic hamartoma. Kroll AJ, et al. **Surv Ophthalmol** 1981 Jul–Aug; 26(1):31–8

[2 cases of Burkitt's sarcoma manifested by pseudo–inflammatory exophthalmos] Wade A, et al. **Dakar Med** 1981;26(2):243–6 (Eng. Abstr.) **(Fre)**

[Headache affecting the pigmented zones of Ota's naevus: clinical study in four cases (author's transl)] Garcia–Alvarez F, et al. **Sem Hop Paris** 1981 Sep 18–25; 57(33–36):1417–9 (Eng. Abstr.) **(Fre)**

CONGENITAL

Bilateral, congenital, dermis–like choristomas overlying corneal staphylomas. Bernuy A, et al. **Arch Ophthalmol** 1981 Nov;99(11):1995–7

DIAGNOSIS

Application of fluorescein angiography in retinoblastoma.

Ohnishi Y, et al. **Am J Ophthalmol** 1982 May;93(5):578–88

Retinoma: spontaneous regression of retinoblastoma or benign manifestation of the mutation? Gallie BL, et al. **Br J Cancer** 1982 Apr;45(4):513–21

Ultrasonography of haemangioma of the optic disc. Goes F, et al. **Bull Soc Belge Ophtalmol** 1980;190:87–97

Ultrasonography in the diagnosis of intraocular tumours. Goes F. **Bull Soc Belge Ophtalmol** 1981;193:169–79

Retinoblastoma: diagnosis and management. Abramson DH. **CA** 1982 May–Jun;32(3):130–40

Hamartomas of the retina and pigment epithelium. Friberg TR, et al. **Can J Ophthalmol** 1982 Apr;17(2):56–60

Ultrasonography of the eye. Hassani SN, et al. **CRC Crit Rev Diagn Imaging** 1982 Feb;17(3):161–216 (67 ref.)

Ocular neurofibromatosis. Rao VA, et al. **Indian J Ophthalmol** 1981 Jul;29(2):117–20

Diktyoma. Seal GN, et al. **Indian J Ophthalmol** 1981 Apr; 29(1):51–4

Malignant Melanoma. Kalmenson M. **J Am Optom Assoc** 1981 Oct;52(10):823–4

Inverted papilloma of the lacrimal sac. Sarma DP. **J La State Med Soc** 1981 Feb;133(2):22–3

Retinoblastoma as a possible primary intracranial tumor. Bullitt E, et al. **Neurosurgery** 1981 Dec;9(6):706–9

Tumors and tumor-like lesions of the retinal pigment epithelium. Laqua H. **Ophthalmologica** 1981;183(1):34–8

Microcomputer applications in retinal research. Donoso LA, et al. **Ophthalmology (Rochester)** 1982 Jan;89(1):81–5

Sclera melanocytoma. Lee JS, et al. **Ophthalmology (Rochester)** 1982 Feb;89(2):178–82

Ocular toxocariasis presenting as leukocoria in a patient with low ELISA titer to Toxocara canis. Searl SS, et al. **Ophthalmology (Rochester)** 1981 Dec;88(12):1302–6

[A rare intraocular metastasis] Bastiaensen LA, et al. **Ned Tijdschr Geneeskd** 1982 Jan 30;126(5):189–93 (Eng. Abstr.) **(Dut)**

[Angiographic aspect of a cavernous hemangioma of the retina] Rollin JP, et al. **Bull Soc Ophtalmol Fr** 1981 Aug–Sep;81(8–9):639–40 (Eng. Abstr.) **(Fre)**

[Sturge-Weber-Krabbe syndrome with unusual symptomatology (author's transl)] Babel J. **J Fr Ophtalmol** 1981;4(4):267–83 (Eng. Abstr.) **(Fre)**

[Hyaloretinal degeneration with osteoporosis and bone fragility. Pseudoglioma with bone fragility (author's transl)] Sauvegrain J, et al. **J Radiol** 1981 Oct;62(10):537–43 (Eng. Abstr.) **(Fre)**

[Retinoblastoma (apropos of 40 cases)] Lamdouar Bellakhdar N, et al. **Maroc Med** 1981 Jun–Oct;3(2–3):671–8 **(Fre)**

[Melanotic tumors of the uvea and retina] Schmitt H. **Med Klin** 1981 Nov 20;76(24):672–5 **(Ger)**

[Oculodermal melanocytosis (nevus of ota) and blue nevus (author's transl)] Knobler R, et al. **Wien Klin Wochenschr** 1981 Sep 4;93(16):508–11 (Eng. Abstr.) **(Ger)**

[Ultrasonic diagnosis of retinoblastoma (author's transl)] Krzywicki S, et al. **Klin Oczna** 1981 Apr–May; 83(4–5):249–51 (Eng. Abstr.) **(Pol)**

[Tumours of the eye and orbit as a cause of blindness in children (author's transl)] Krzywicki S, et al. **Klin Oczna** 1981 Jul–Sep;83(7–8):363–5 (Eng. Abstr.) **(Pol)**

[Juxtapapillary retinal hamartoma] Munteanu G. **Rev Chir [Oftalmol]** 1981 Jul–Sep;25(3):199–202 (Eng. Abstr.) **(Rum)**

[Acoustic scanning in tumors of the eye and orbit] Fridman FE, et al. **Vestn Oftalmol** 1982 Mar–Apr;(2):43–6 (Eng. Abstr.) **(Rus)**

[Tumors of the orbit (author's transl)] Stipetić S, et al. **Liječ Vjesn** 1981 Jan;103(1):45–7 (Eng. Abstr.) **(Scr)**

DRUG THERAPY

[Medicinal therapy of primary malignant intraocular tumors (author's transl)] Cernák A, et al. **Cesk Oftalmol** 1982 Mar; 38(2):116–20 (Eng. Abstr.) **(Slo)**

ENZYMOLOGY

Characterization of some glycolytic enzymes from human retina and retinoblastoma. Beemer FA, et al. **Cancer Res** 1982 Oct;42(10):4228–32

Fetal animal and human intraocular fluids: unique glycolytic enzyme levels of the embryonal aqueous and significance in retinoblastoma. Gershbein LL. **Res Commun Chem Pathol Pharmacol** 1981 Apr; 32(1):167–78

ETIOLOGY

Origin of retinoblastoma [letter] Howard RO. **Lancet** 1982 Aug 28;2(8296):490–1

[Intra-epithelial epithelioma after keratoplasty] Haut J, et al. **Bull Soc Ophtalmol Fr** 1982 Jan;82(1):37–9 **(Fre)**

FAMILIAL & GENETIC

Almost synchronous appearance of bilateral retinoblastomas. Matsunaga E. **Am J Med Genet** 1982 Apr;11(4):485–7

Association of retinoblastoma and acute lymphoblastic leukemia in a family. Whelan H, et al. **Am J Pediatr Hematol Oncol** 1982 Spring;4(1):37–9

Von Hippel tumors in siblings with retinitis pigmentosa. Kollarits CR, et al. **Ann Ophthalmol** 1982 Mar;14(3):256–9

A deleted chromosome no. 13 in human retinoblastoma cells: relevance to tumorigenesis. Balaban-Malenbaum G, et al. **Cancer Genet Cytogenet** 1981 Apr;3(3):243–50

Retinoblastoma and its association with a deletion in chromosome 13: a survey using high-resolution chromosome techniques. Johnson MP, et al. **Cancer Genet Cytogenet** 1982 May;6(1):29–37

Delineation of 13q-deletion by replication banding in retinoblastoma. Camargo M, et al. **Cytogenet Cell Genet** 1981;31(2):77–83

An unusual pedigree with retinoblastoma. Does it shed light on the delayed mutation and host resistance theories? Bundey S, et al. **Hum Genet** 1981;59(4):434–6

Lymphocyte chromosome survey in 42 patients with retinoblastoma: effort to detect 13q14 deletion mosaicism. Motegi T. **Hum Genet** 1981;58(2):168–73

Retinoblastoma in a boy with a de novo mutation of a 13/18 translocation: the assumption that the retinoblastoma locus is at 13q141, particularly at the distal portion of it. Motegi T, et al. **Hum Genet** 1982;60(2):193–5

Retinoblastoma-del(13q14): report of two patients, one with a trisomic sib due to maternal insertion. Gene-dosage effect for esterase D. Rivera H, et al. **Hum Genet** 1981;59(3):211–4

Classification and management of hereditary retinal angiomas. Augsburger JJ, et al. **Int Ophthalmol** 1981 Aug; 4(1–2):93–106

Family studies on the chromosomal location of the retinoblastoma gene (Rb-1). Morten J, et al. **J Med Genet** 1982 Apr;19(2):120–4

Chiasma derived genetic maps and recombination fractions: chromosome 13 with reference to the proposed 13q14 retinoblastoma locus. Palmer RW, et al. **J Med Genet** 1982 Apr;19(2):125–9

X-ray, UV and chemical mutagen sensitivities of skin fibroblasts from patients with familial and chromosome 13q- retinoblastomas. Fujiwara Y, et al. **J Radiat Res (Tokyo)** 1981 Dec;22(4):472–6

Radiosensitivity of fibroblasts from patients with retinoblastoma and chromosome-13 anomalies. Ejima Y, et al. **Mutat Res** 1982 Feb;103(2):177–84

Retinoblastoma and persistent hyperplastic vitreous occurring in the same patient. Morgan KS, et al. **Ophthalmology (Rochester)** 1981 Oct;88(10):1087–9

SCE and UDS studies in a family with retinoblastoma: a case study. Fabricant JD, et al. **Teratogenesis Carcinog Mutagen** 1982;2(1):85–90

An in vitro investigation of genetic susceptibility to cancer in diploid fibroblasts from retinoblastoma patients. Weichselbaum RR, et al. **Teratogenesis Carcinog Mutagen** 1980;1(2):171–9

[v. Hippel-Lindau angiomatosis] Svěrák J, et al. **Cesk Oftalmol** 1981 Sep;37(5):313–23 (Eng. Abstr.) **(Cze)**

[Late extra-ocular tumors in survivors of retinoblastoma] François J, et al. **Bull Soc Belge Ophtalmol** 1980;190:61–70 (Eng. Abstr.) **(Fre)**

IMMUNOLOGY

The expression of surface antigen Leu 1 by ocular adnexal lymphoid neoplasms. Knowles DM 2d, et al. **Am J Ophthalmol** 1982 Aug;94(2):246–54

Complement-dependent cytotoxicity in rats bearing human adenovirus type 12-induced primary retinoblastoma-like tumor in the eye. Nishida T, et al. **Curr Eye Res** 1981; 1(1):53–5

Binding of retinoblastoma and normal sera to retinoblastoma-derived cultured cells. Stein PC, et al. **Invest Ophthalmol Vis Sci** 1982 Sep;23(3):357–63

Induction of anterior chamber-associated immune deviation (ACAID) by allogeneic intraocular tumors does not require splenic metastases. Niederkorn JY, et al. **J Immunol** 1982 Jun;128(6):2470–4

Analysis of antibody production induced by allogeneic tumor cells inoculated into the anterior chamber of the eye. Niederkorn JY, et al. **Transplantation** 1982 Jun;33(6):573–7

Tumor associated antigens of bovine cancer eye. Atluru D, et al. **Vet Immunol Immunopathol** 1982 May;3(3):279–86

[Ocular autoimmunity and retinoblastoma] Bloch-Michel E, et al. **Bull Soc Ophtalmol Fr** 1981 Dec;81(12):1127–9 **(Fre)**

[Immunological studies in intraocular tumors] Kotelianskii EO. **Oftalmol Zh** 1982;37(1):54–8 **(Rus)**

[Immunological reactivity and the development of eye and orbital tumors] Shul'gina NS, et al. **Oftalmol Zh** 1982; 37(1):2–6 (Eng. Abstr.) **(Rus)**

METABOLISM

Choline uptake in cultured human Y79 retinoblastoma cells: effect of polyunsaturated fatty acid compositional modifications. Hyman BT, et al. **J Neurochem** 1982 Mar; 38(3):650–6

MORTALITY

Survival of retinoblastoma cases in North India. Dhir SP, et al. **Indian J Ophthalmol** 1981 Dec;29(4):447–50

NURSING

Nursing care in childhood cancer: retinoblastoma. Wong DL, et al. **Am J Nurs** 1982 Mar;82(3):425–31

OCCURRENCE

Ocular malignant melanoma in South African blacks. Miller B, et al. **Br J Ophthalmol** 1981 Oct;65(10):720–2

[Malignant eye tumors in Greenland 1945–1979] Nielsen NH, et al. **Ugeskr Laeger** 1982 Feb 22;144(8):541–2 (Eng. Abstr.) **(Dan)**

PATHOLOGY

Spontaneous regression of a retinoblastoma. A case report. Brodwall J. **Acta Ophthalmol (Copenh)** 1981 Jun; 59(3):430–4

Tapioca melanoma [letter] Foos RY. **Ann Ophthalmol** 1981 Jul;13(7):776

Bilateral spontaneous regression of retinoblastoma with dominant transmission. Gangwar DN, et al. **Ann Ophthalmol** 1982 May;14(5):479–80

Different cell populations in retinoblastoma. Naves AE, et al. **Ann Ophthalmol** 1981 Sep;13(9):1073–6

Epibulbar IgA plasmacytoma occurring in multiple myeloma. Franklin RM, et al. **Arch Ophthalmol** 1982 Mar; 100(3):451–6

Are most iris 'melanomas' really nevi? A clinicopathologic study of 189 lesions. Jakobiec FA, et al. **Arch Ophthalmol** 1981 Dec;99(12):2117–32

Corneal epithelial dysplasia and carcinoma in situ. Cruess AF, et al. **Can J Ophthalmol** 1981 Oct;16(4):171–5

Reproducible growth in tissue culture of retinoblastoma tumor specimens. Gallie BL, et al. **Cancer Res** 1982 Jan; 42(1):301–5

Symposium on ophthalmic surgical pathology, Part I. Introduction. Jakobiec FA, et al. **Hum Pathol** 1982 Feb; 13(2):98–112 (232 ref.)

Sebaceous carcinomas of the ocular adnexa: A clinicopathologic study of 104 cases, with five-year follow-up data. Rao NA, et al. **Hum Pathol** 1982 Feb; 13(2):113–22

Carcinoid tumors of the eye and orbit: a clinicopathologic study of 15 cases, with histochemical and electron microscopic observations. Riddle PJ, et al. **Hum Pathol** 1982 May;13(5):459–69

Retinoblastoma: clinical and histopathologic features. Sang DN, et al. **Hum Pathol** 1982 Feb;13(2):133–47 (163 ref.)

Ocular tumors and other ocular pathology: a Chinese-American collaborative study. **Int Ophthalmol Clin** 1982 Fall;22(3):1–231

Epibulbar carcinoma. Ni C, et al. **Int Ophthalmol Clin** 1982 Fall;22(3):1–33

Retinoblastoma: clinical observations and histopathological study. Sang DN, et al. **Int Ophthalmol Clin** 1982 Fall; 22(3):73–102

Fibroblasts from retinoblastoma patients: enhanced growth in fetal calf serum and a normal response to ionizing radiation. Kossakowska AE, et al. **J Cell Physiol** 1982 Apr; 111(1):15–20

Erosion of the orbital plate (frontal bone) by a benign tumor of the lacrimal gland. Hornblass A, et al. **Ophthalmic Surg** 1981 Oct;12(10):737–43

Mucoepidermoid carcinoma of the conjunctiva with intraocular invasion. Brownstein S. **Ophthalmology (Rochester)** 1981 Dec;88(12):1226–30

Recurrent benign mixed tumor of lacrimal gland: report of a case with intracranial extension. Ossoff RH, et al. **Otolaryngol Head Neck Surg** 1981 Jul–Aug;89(4):599–601

[A clinicopathologic analysis of 33 cases of ocular disorders easily confused with retinoblastoma (author's transl)] Sun XL. **Chung Hua Yen Ko Tsa Chih** 1981 Sep;17(5):271–3 **(Chi)**

[Recurrent pseudotumoral (fibrovascular) hemorrhagic macular chorioretinitis] Blagojević M, et al. **Bull Mem Soc Fr Ophtalmol** 1981;93:338–40 **(Fre)**

[Nosologic and prognostic problems posed by a lymphocytic tumor of the lacrimal gland] François JH, et al. **Bull Soc Ophtalmol Fr** 1981 Dec;81(12):1191–3 (Eng. Abstr.) **(Fre)**

[Remote bone metastasis in retinoblastomas] Wade A, et al. **Dakar Med** 1981;26(2):247–51 (Eng. Abstr.) **(Fre)**

[Anatomo-clinical document produced with the assistance of the CHIBRET laboratory: epibulbar osteoma and conjunctival dermolipoma] Morax S, et al. **J Fr Ophtalmol** 1981;4(4):323–4 **(Fre)**

[Malignant melanoma of the optic disk. A case report (author's transl)] Zografos L, et al. **Klin Monatsbl Augenheilkd** 1982 May;180(5):503–9 **(Fre)**

[Multiple true neuroma of the limbus corneae] Harnisch JP, et al. **Buch Augenarzt** 1982;88:57–60 **(Ger)**

[Pigment tumors of the limbus corneae] Marquardt R. **Buch Augenarzt** 1982;88:39–56 **(Ger)**

[Non-pigmented tumors and pseudotumors of the limbus corneae] Naumann GO, et al. **Buch Augenarzt** 1982;88:30–8 **(Ger)**

[On the validity of 32P-test: mitotic activity] Strempel I. **Graefes Arch Clin Exp Ophthalmol** 1982;218(2):103–6 (Eng. Abstr.) **(Ger)**

[Nervus of ota (author's transl)] Radda TM, et al. **Klin Monatsbl Augenheilkd** 1981 Dec;179(6):436–7 (Eng. Abstr.) **(Ger)**

[Morphology of retinoblastoma and the age of the patient] Sporny S, et al. **Morphol Embryol (Bucur)** 1981 Oct–Dec; 27(4):341–5 (Eng. Abstr.) **(Ger)**

[Transplantation of retinoblastoma into nude mouse. 3. Tumor doubling time of retinoblastoma (author's transl)]

Totsuka S, et al. **Nippon Ganka Gakkai Zasshi** 1982; 86(4):418–25 (Eng. Abstr.) **(Jpn)**

[Transplantation of retinoblastoma into the nude mouse. 2. Radiation effects on retinoblastoma successively transplanted into nude mouse eyes (author's transl)] Totsuka S, et al. **Nippon Ganka Gakkai Zasshi** 1981; 85(7):593–604 (Eng. Abstr.) **(Jpn)**

[Histoclinical studies of retinoblastoma] Sporny S, et al. **Patol Pol** 1981;32(3):387–94 (Eng. Abstr.) **(Pol)**

[Eye lesion in Ota's nevus] Egorov NA, et al. **Vestn Oftalmol** 1982 Mar–Apr;(2):67–8 **(Rus)**

[Metastasis of a melanoma of the eye to the ovaries and liver (1 case)] Utkin IuK, et al. **Vopr Onkol** 1982;28(3):96–9 **(Rus)**

PHYSIOPATHOLOGY

Effects of cyclic AMP on growth and differentiation of rat retinoblastoma-like tumor cells in vitro. Nishida T, et al. **Invest Ophthalmol Vis Sci** 1982 Feb;22(2):145–56

RADIOGRAPHY

Lacrimal gland tumours: the role of CT and conventional radiology. Lloyd GA. **Br J Radiol** 1981 Dec;54(648):1034–8

Case report of non-Hodgkin's lymphoma involving the lacrimal glands demonstrated by computed tomography. Kniskern JA, et al. **Cancer** 1981 Dec 15;48(12):2710–1

[Retinal tumors in children. Indications and limitations of tomodensitometry. Apropos of 58 cases] Cabanis EA, et al. **Bull Mem Soc Fr Ophtalmol** 1981;93:285–308 **(Fre)**

RADIONUCLIDE IMAGING

Noncontact detection of experimental amelanotic ocular melanoma with L-3-123I-iodo-alpha-methyltyrosine. Bockslaff H, et al. **Albrecht Von Graefes Arch Klin Exp Ophthalmol** 1981; 217(4):255–66

Melanocytoma of the ciliary body. Shammas HJ, et al. **Ann Ophthalmol** 1981 Dec;13(12):1381–3

RADIOTHERAPY

A long-term follow-up study of scleral grafting for exposed or extruded orbital implants. Fountain JA, et al. **Am J Ophthalmol** 1982 Jan;93(1):52–6

Treatment of bilateral groups I through III retinoblastoma with bilateral radiation. Abramson DH, et al. **Arch Ophthalmol** 1981 Oct;99(10):1761–2

Simultaneous bilateral radiation for advanced bilateral retinoblastoma. Abramson DH, et al. **Arch Ophthalmol** 1981 Oct;99(10):1763–6

Retreatment of retinoblastoma with external beam irradiation. Abramson DH, et al. **Arch Ophthalmol** 1982 Aug; 100(8):1257–60

The management of unilateral retinoblastoma without primary enucleation. Abramson DH, et al. **Arch Ophthalmol** 1982 Aug;100(8):1249–52

External beam radiation for retinoblastoma. Abramson DH, et al. **Bull NY Acad Med** 1981 Nov;57(9):787–803

Malignant intraocular tumors. Brady LW, et al. **Cancer** 1982 Feb 1;49(3):578–85

Water bag bolus in external air cavities to produce dose homogeneity. Haselow RE, et al. **Int J Radiat Oncol Biol Phys** 1982 Jan;8(1):137–9

[Therapeutical use of radionuclides in ophthalmology (author's transl)] Rozsival P. **Cesk Oftalmol** 1981 Sep; 37(5):372–8 **(Cze)**

[Post-radiotherapy retinal vascular lesions] François P, et al. **Bull Soc Ophtalmol Fr** 1981 Aug–Sep;81(8–9):575–7 **(Fre)**

[Treatment of retinoblastoma with the betatron] Litričin O, et al. **Srp Arh Celok Lek** 1980 May;108(5):453–65 (Eng. Abstr.) **(Scc)**

SECONDARY

Bilateral retinal metastases from cutaneous malignant melanoma. Letson AD, et al. **Arch Ophthalmol** 1982 Apr; 100(4):605–7

Ophthalmic manifestations of systemic neoplasia: a review and report of 11 cases. Kappagoda MB, et al. **Aust J Ophthalmol** 1981 Nov;9(4):267–72

Tumors metastatic to the eye and adnexa. Castro PA, et al. **Int Ophthalmol Clin** 1982 Fall;22(3):189–223

Intraocular metastatic disease to the eye. Jones WL. **J Am Optom Assoc** 1981 Sep;52(9):741–4

Metastatic renal cell carcinoma to the eye and adnexae: a report of three cases and review of the literature. Kindermann WR, et al. **Ophthalmology (Rochester)** 1981 Dec;88(12):1347–50

Metastatic tumor to the retina and vitreous cavity from primary melanoma of the skin: treatment with systemic and subconjunctival chemotherapy. Robertson DM, et al. **Ophthalmology (Rochester)** 1981 Dec;88(12):1296–1301

Isolated metastasis to the optic nerve. Arnold AC, et al. **Surv Ophthalmol** 1981 Sep–Oct;26(2):75–83

[A rare intraocular metastasis] Eastiaensen LA, et al. **Ned Tijdschr Geneeskd** 1982 Jan 30;126(5):189–93 (Eng. Abstr.) **(Dut)**

[Intraocular tumor metastases] Vasen HF, et al. **Ned Tijdschr Geneeskd** 1982 Jun 26;126(26):1186–8 (Eng. Abstr.) **(Dut)**

SURGERY

Rapid recurrence of papillary squamous cell carcinoma of the canaliculus. Kohn R, et al. **Am J Ophthalmol** 1981 Sep; 92(3):363–7

Adenocarcinoma of the corneoscleral limbus. Parunović A, et al. **Am J Ophthalmol** 1981 Oct;92(4):580–2

Corneal transplantation in an infant with corneal dermoid. Zaidman GW, et al. **Am J Ophthalmol** 1982 Jan;93(1):78–83

Cryotherapy for retinoblastoma. Abramson DH, et al. **Arch Ophthalmol** 1982 Aug;100(8):1253–6

Clinical evaluation and surgical intervention of limbal dermoid. Mohan M, et al. **Indian J Ophthalmol** 1981 Jul; 29(2):69–73

Lacrimal gland adenoid cystic carcinoma: intracranial and extracranial en bloc resection. Marsh JL, et al. **Plast Reconstr Surg** 1981 Oct;68(4):577–85

Orbital exenteration--simplified. Coston TO, et al. **Trans Am Ophthalmol Soc** 1981;79:136–52

[Cryotherapy of oculofacial hemangioma with liquid nitrogen (author's transl)] Song JX. **Chung Hua Yen Ko Tsa Chih** 1981 Jan;17(1):11–3 **(Chi)**

[Solitary metastases of the lung] Benintendi V, et al. **Minerva Chir** 1980 Dec 15–31;35(23–24):1937–42 **(Ita)**

[Orbital exenteration: punctured cutaneous sieve autograft. Orbital prosthesis] Olteanu M, et al. **Rev Chir [Oftalmol]** 1980 Jul–Sep;24(3):193–4 (Eng. Abstr.) **(Rum)**

[Indications for eye enucleation in children] Latković Z, et al. **Srp Arh Celok Lek** 1981 Oct;109(10):1287–96 **(Scc)**

THERAPY

Tissue distribution of 3H-hematoporphyrin derivative in athymic 'nude' mice heterotransplanted with human retinoblastoma. Gomer CJ, et al. **Invest Ophthalmol Vis Sci** 1982 Jan;22(1):118–20

[Bilateral retinoblastoma surviving for 24-years after the treatment of surgery on one eye and radiotherapy on the other-a case report (author's transl)] He JL. **Chung Hua Chung Liu Tsa Chih** 1981 May;3(2):140–1 (Eng. Abstr.) **(Chi)**

[Deontologic aspects of oncologic diseases in ophthalmology] Sergienko NM. **Oftalmol Zh** 1981;36(8):469–72 (Eng. Abstr.) **(Rus)**

ULTRASTRUCTURE

Ocular adnexal lymphoid tumors. Correlative ultrastructural and immunologic marker studies. Jakobiec FA, et al. **Arch Ophthalmol** 1982 Jan;100(1):84–98

Adenoid cystic carcinoma of the lacrimal gland: the clinical significance of a basaloid histologic pattern. Gamel JW, et al. **Hum Pathol** 1982 Mar;13(3):219–25

A comparative ultrastructural study of the normal lacrimal gland and its epithelial tumors. Iwamoto T, et al. **Hum Pathol** 1982 Mar;13(3):236–62

[The fine structure of the oncocytes of the lacrimal sac (author's transl)] Radnót M. **Klin Monatsbl Augenheilkd** 1981 Oct;179(4):249–50 (Eng. Abstr.) **(Ger)**

[Chromosome disorders in retinoblastoma cells] Kuznetsova LE, et al. **Vopr Onkol** 1982;28(5):67–70 (Eng. Abstr.) **(Rus)**

URINE

[Determination of vanilmandelic acid in urine in retinoblastoma] Artiko GH, et al. **Srp Arh Celok Lek** 1981 Aug;109(8):1031–8 (Eng. Abstr.) **(Scc)**

VETERINARY

Bovine monocyte-induced tumor cell cytotoxicosis. Atluru D, et al. **Am J Vet Res** 1982 Jun;43(6):989–91

Detection of cell-surface antigens of bovine ocular squamous cell carcinoma. Atluru D, et al. **Am J Vet Res** 1982 Jul; 43(7):1156–9

Ocular manifestations of metastatic sweat gland adenocarcinoma in a cat. Moise NS, et al. **J Am Vet Med Assoc** 1982 May 1;180(9):1100–3

Malignant lymphoma in a pigeon. Rambow VJ, et al. **J Am Vet Med Assoc** 1981 Dec 1;179(11):1266–8

An immunopathological study of bovine ocular squamous cell carcinoma. Hamir AN, et al. **J Comp Pathol** 1980 Oct; 90(4):535–49

Efficacy of intratumorally administered mycobacterial cell walls in the treatment of cattle with ocular carcinoma. Kleinschuster SJ, et al. **JNCI** 1981 Nov;67(5):1165–71

Immunotherapy of bovine eye cancer [editorial] **Lancet** 1982 Sep 18;2(8299):641

Bovine ocular squamous cell carcinoma: UV sensitivity in lymphocytes. Lavin MF, et al. **Photochem Photobiol** 1982 May;35(5):685–9

Evidence for papillomaviruses in ocular lesions in cattle. Ford JN, et al. **Res Vet Sci** 1982 Mar;32(2):257–9

Autografting and allografting of bovine ocular squamous cell carcinoma. Hoffmann D, et al. **Res Vet Sci** 1981 Jul; 31(1):48–53

Transitional cell carcinoma metastatic to the eye of a dog. Schmidt RE. **Vet Pathol** 1981 Nov;18(6):832–4

EYE PROTECTIVE DEVICES see under **PROTECTIVE DEVICES**

EYE PROTEINS

Effects of detergent micelles on the recombination reaction of opsin and 11-cis-retinal. McCaslin DR, et al. **Biochemistry** 1981 Sep 1;20(18):5207–12

Identification of the N-terminal residue of rhodopsin. Tsunasawa S, et al. **Methods Enzymol** 1982;81:247–50

A gradient of membrane protein in the retina [news] Barnstable CJ. **Nature** 1981 Jul 2;292(5818):13–4

ANALYSIS

Eosinophil granule major basic protein and Charcot-Leyden crystal protein in human tears. Udell IJ, et al. **Am J Ophthalmol** 1981 Dec;92(6):824–8

Light- and electron-microscopic demonstration of immunoreactive opsin in the pinealocytes of various vertebrates. Vigh B, et al. **Cell Tissue Res** 1981; 221(2):451–63

Collagens and non collagenous proteins in the human eye. I. Corneal stroma in vivo and keratocyte production in vitro. BenEzra D, et al. **Curr Eye Res** 1981;1(2):101–10

Proteins and glycoproteins of the bovine interphotoreceptor matrix: composition and fractionation. Adler AJ, et al. **Exp Eye Res** 1982 Mar;34(3):423–34

Labeling of bovine rod outer segment surface proteins with 125I. Clark VM, et al. **Exp Eye Res** 1982 Jun;34(6):847–59

Rod outer segment lipid--opsin ratios in the developing normal and retinal dystrophic rat. Organisciak DT, et al. **Exp Eye Res** 1982 Mar;34(3):401–12

Immunocytochemical localization of the lens main intrinsic polypeptide (MIP26) in communicating junctions. Bok D, et al. **J Cell Biol** 1982 Jan;92(1):213–20

Preparation of antibodies to rhodopsin and the large protein of rod outer segments. Papermaster DS. **Methods Enzymol** 1982;81:240–6

Immunoreactive opsin in the pineal organ of reptiles and birds. Vigh B, et al. **Z Mikrosk Anat Forsch** 1982; 96(1):113–29

[Soluble proteins in the developing vitreous (author's transl)] Akiya S, et al. **Nippon Ganka Gakkai Zasshi** 1981; 85(11):1887–909 (Eng. Abstr.) **(Jpn)**

[An experimental study on vitreous soluble protein in relation to the proliferation of the retinal vessels in young rabbits (author's transl)] Katsura H, et al. **Nippon Ganka Gakkai Zasshi** 1981;85(7):737–42 (Eng. Abstr.) **(Jpn)**

[Discovery of periodicity in the structure of the melanoprotein granules in a cell of the pigment epithelium of the eye (an x-ray small-angle study)] L'vov IuM, et al. **Dokl Akad Nauk SSSR** 1982;265(1):214–6 **(Rus)**

[Tissue-specific retinal proteins in vertebrate evolution] Suchkov SV, et al. **Zh Evol Biokhim Fiziol** 1981 Jul–Aug; 17(4):417–21 (Eng. Abstr.) **(Rus)**

BIOSYNTHESIS

Biosynthesis of lens glycoproteins. I. Formation of polyprenyl-linked saccharides in lens cell membranes. Mentaberry A, et al. **Exp Eye Res** 1981 Nov;33(5):563–76

Soluble protein synthesis in the neural retina during lens regeneration. Gulati AK, et al. **Growth** 1981 Summer; 45(2):135–44

Regional effects of sodium aspartate and sodium glutamate on protein synthesis in the retina. Anderson RE, et al. **Invest Ophthalmol Vis Sci** 1981 Oct;21(4):554–62

Glycosylation of rhodopsin. O'Brien PJ. **Methods Enzymol** 1982;81:783–8

IMMUNOLOGY

[Humoral antibodies and lymphocytes sensitized to the water-soluble protein fractions of the pigment epithelium cells and the outer segments of the retinal visual cells in sympathetic ophthalmia] Arkhipova LT, et al. **Oftalmol Zh** 1982;37(1):13–6 (Eng. Abstr.) **(Rus)**

ISOLATION & PURIFICATION

Characterization of bovine rod outer segment G-protein. Baehr W, et al. **J Biol Chem** 1982 Jun 10;257(11):6452–60

Thermal stability of rhodopsin and opsin in some novel detergents. De Grip WJ. **Methods Enzymol** 1982;81:256–65

Retinyl peptide isolation and characterization. Hargrave PA, et al. **Methods Enzymol** 1982;81:211–4

Light-regulated binding of proteins to photoreceptor membranes and its use for the purification of several rod cell proteins. Kühn H. **Methods Enzymol** 1982;81:556–64

METABOLISM

Ca2+- and calmodulin-dependent protein phosphorylation in rat lacrimal gland. Dartt DA, et al. **Biochem J** 1982 Mar 15;202(3):799–802

Age-related differences in ophthalmic drug disposition II: drug-protein interactions of pilocarpine and chloramphenicol. Miller SC, et al. **Biopharm Drug Dispos** 1982 Apr–Jun;3(2):115–28

Glycoproteins of lens membranes. Garadi R, et al. **Invest Ophthalmol Vis Sci** 1982 Apr;22(4):553–7

The accessibility of certain proteins on embryonic chick neural retina cells to iodination and tryptic removal is altered by calcium. Cook JH, et al. **J Cell Sci** 1982 Jun; 55:85–103

A GTP-protein activator of phosphodiesterase which forms

in response to bleached rhodopsin. Uchida S, et al. **J Cyclic Nucleotide Res** 1981;7(2):95–104

Calcium and cyclic GMP regulation of light-sensitive protein phosphorylation in frog photoreceptor membranes. Hermolin J, et al. **J Gen Physiol** 1982 Apr;79(4):633–55

Borane dimethylamine reduction of the retinal—opsin linkage in rhodopsin. Hall MO, et al. **Methods Enzymol** 1982; 81:290–3

Light-induced modification of Drosophila retinal polypeptides in vivo. Matsumoto H, et al. **Science** 1982 Aug 27;217(4562):839–41

Calmodulin binds to chick lens gap junction protein in a calcium-independent manner. Welsh MJ, et al. **Science** 1982 May 7;216(4546):642–4

PHARMACODYNAMICS

[Thermal stability of rhodopsins and opsins in warm- and cold-blooded vertebrates] Berman AL, et al. **Zh Evol Biokhim Fiziol** 1981 Nov-Dec;17(6):547–55 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

Protein glaucoma—overtaxing of flow mechanisms? Preliminary report. Zirm M. **Ophthalmologica** 1982 Mar; 184(3):155–61

EYEBROWS

The use of kite flaps to prevent displacements of eyebrows. Harahap M. **J Dermatol Surg Oncol** 1982 Apr;8(4):265–70

ANATOMY & HISTOLOGY

The anatomy of eyebrow ptosis. Lemke BN, et al. **Arch Ophthalmol** 1982 Jun;100(6):981–6

SURGERY

Transblepharoplasty brow suspension. Sokol AB, et al. **Plast Reconstr Surg** 1982 Jun;69(6):940–4

EYEDROPS see **OPHTHALMIC SOLUTIONS**

EYEGLASSES

The Kerala Decentration Meter. A new method and devise for fitting the optical of spectacle lenses in the visual axis. Joseph TK, et al. **Acta Ophthalmol [Suppl] (Copenh)** 1982; 151:5–30

Making moisture-chamber spectacles. Davis RH, et al. **Am J Ophthalmol** 1982 Aug;94(2):256–7

Correction of temporary postoperative astigmatism. Kelley JS. **Am J Ophthalmol** 1981 Oct;92(4):576–7

Reverse Galilean telescopic spectacles in unilateral aphakia. Krefman RA. **Am J Optom Physiol Opt** 1981 Sep; 58(9):772–6

Spectacles in childhood. Bixenman WW. **Ariz Med** 1982 Mar; 39(3):175–81

Management of nonrefractive accommodative esotropia. Bixenman WW. **Can J Ophthalmol** 1981 Jul;16(3):163–5

Improved contrast sensitivity with antireflective coated lenses in the presence of glare. Coupland SG, et al. **Can J Ophthalmol** 1981 Jul;16(3):136–40

Increased visual field area with antireflective coated lenses in the presence of glare. Kirkham TH, et al. **Can J Ophthalmol** 1981 Jul;16(3):141–4

The aphakic correction. Milder B. **Can J Ophthalmol** 1981 Apr;16(2):57–8

Sensitizing anthraquinone dye in spectacle frames. Dooms-Goossens A, et al. **Contact Dermatitis** 1981 Jul; 7(4):214–5

Aphakia—selection of patients for contact lenses, intraocular lenses or spectacles. Review of 1,000 cataract operations. Stein HA. **Contact Intraocular Lens Med J** 1981 Jul–Sep; 7(3):210–8

Inferior altitudinal losses and prismatic correction. Hoffman L, et al. **J Am Optom Assoc** 1981 Oct;52(10):818–20

Part II. Seg inset for the 'executive' multifocal (or getting the most out of this useful lens). Kors K. **J Am Optom Assoc** 1981 Jul;52(7):575–7

Patient preference for a progressive addition multifocal lens (Varilux2) vs a standard multifocal lens design (ST-25). Spaulding DH. **J Am Optom Assoc** 1981 Oct;52(10):789–94

The opticians' monopoly [editorial] **Lancet** 1982 Feb 20; 1(8269):432–3

Toric lens volume. Churms PW. **Ophthalmic Physiol Opt** 1982;2(2):159–64

The sagitta of a toroidal surface in an oblique meridian. Churms PW. **Ophthalmic Physiol Opt** 1981;1(1):29–38

A matrix formulation of spectacle magnification. Keating MP. **Ophthalmic Physiol Opt** 1982;2(2):145–58

Arrest of migraine or headache with prisms. Kelly TS. **Practitioner** 1981 Oct;225(1360):1504–5

Indications for prescribing spectacles. Michaels DD. **Surv Ophthalmol** 1981 Sep–Oct;26(2):55–74

[Acanthoma caused by spectacle frames. Apropos of a case] Colomb D, et al. **Ann Dermatol Venereol** 1981; 108(12):1013–5 **(Fre)**

[The problem of presbyopia in flight personnel and its correction with progressive glasses] Boissin JP, et al. **Bull Mem Soc Fr Ophtalmol** 1981;93:392–6 **(Fre)**

[Eyeglasses and anti-blocking sectors from the age of 2 months] Berrondo P. **Bull Soc Ophtalmol Fr** 1981 Jun-Jul; 81(6-7):717–20 **(Fre)**

[Problems posed by the optical correction with eyeglasses in age subjects operated on for cataract] Gervais C, et al. **Bull Soc Ophtalmol Fr** 1981 Nov;81(11):953–4 **(Fre)**

[Compensating presbyopia: a new physiological progressive lens (author's transl)] Manent PJ, et al. **J Fr Ophtalmol** 1981;4(11):757–61 (Eng. Abstr.) **(Fre)**

[Automatic determination of objectively measurable characteristic parameters - black vertex power of spectacle lenses and refraction of the eye] Guilino G. **Buch Augenarzt** 1982;90:44–51 (Eng. Abstr.) **(Ger)**

[Apparatus with microprocess controlled lens carriers for subjective determination of eyeglasses] Keune MC. **Buch Augenarzt** 1982;90:52–7 (Eng. Abstr.) **(Ger)**

[Mathematical reflections on the use of the cross-cylinder (author's transl)] Frey RG. **Klin Monatsbl Augenheilkd** 1981 Oct;179(4):299–301 (Eng. Abstr.) **(Ger)**

[Prescription of weak corrective lenses (author's transl)] Stangler-Zuschrott E. **Klin Monatsbl Augenheilkd** 1981 Dec;179(6):493–5 (Eng. Abstr.) **(Ger)**

[Bifocal glasses for non-presbyopic patients (author's transl)] Thailer-Antlanger H. **Klin Monatsbl Augenheilkd** 1981 Dec;179(6):490–1 (Eng. Abstr.) **(Ger)**

STANDARDS

Bioptic low vision aid: a simple approach. Bergenske PD, et al. **Am J Optom Physiol Opt** 1982 Mar;59(3):283–6

Contrast sensitivities through spectacles and soft contact lenses. Bernstein IH, et al. **Am J Optom Physiol Opt** 1981 Apr;58(4):309–13

Clinical management of myopia. Birnbaum MH. **Am J Optom Physiol Opt** 1981 Jul;58(7):554–9

The AC/A ratio and convergence in hypermetropia corrected with spectacles or contact lenses. Colasanti A, et al. **Am J Optom Physiol Opt** 1982 Jan;59(1):51–9

Low vision care—two case reports. Crinigan RP Jr. **Am J Optom Physiol Opt** 1981 Dec;58(12):1150–2

Research studies of bifocals for myopia. Greenspan SB. **Am J Optom Physiol Opt** 1981 Jul;58(7):536–40

Lens effectivity in terms of dioptric power matrices. Keating MP. **Am J Optom Physiol Opt** 1981 Dec;58(12):1154–60

Measurement of interpupillary distance with chromostereopsis. McCormack G, et al. **Am J Optom Physiol Opt** 1982 Jan;59(1):60–6

Evaluation of ophthalmic spectacle lenses using the Hartmann test. Statton CM, et al. **Am J Optom Physiol Opt** 1981 Sep;58(9):766–71

Visual improvements with red-tinted glasses in a patient with cone dystrophy. Young RS, et al. **Arch Ophthalmol** 1982 Feb;100(2):268–71

Elimination of distance glasses in implant patients. Karickhoff J. **Contact Intraocular Lens Med J** 1982 Apr-Jun;8(2):114–7

Diagnosis and management of monocular diplopia. Amos JF. **J Am Optom Assoc** 1982 Feb;53(2):101–15

Binocular visual acuity—legal and ethical consideration. Hallak J. **J Am Optom Assoc** 1982 Jun;53(6):487–8

Aphakic and pseudophakic spectacle management. Renier GL. **J Am Optom Assoc** 1982 Apr;53(4):295–9

Theoretical aspects of concentric varifocal lenses. Charman WN. **Ophthalmic Physiol Opt** 1982;2(1):75–86

A new look at reading additions: the magnification method. Watts MN. **Ophthalmic Physiol Opt** 1981;1(3):205–10

Spectacle correction for aphakia. The prismatic effect. Fonda G. **Surv Ophthalmol** 1981 Nov-Dec;26(3):154–6

[Non-surgical treatment of convergent strabismus] Ardouin M, et al. **Annee Ther Clin Ophtalmol** 1980;31:139–62 (Eng. Abstr.) **(Fre)**

[Non-surgical treatment of divergent strabismus] Mawas LJ. **Annee Ther Clin Ophtalmol** 1980;31:101–25 (Eng. Abstr.) **(Fre)**

EYELASHES

Intravitreal cilia and retinal detachment. Gottlieb F, et al. **Ann Ophthalmol** 1982 Jun;14(6):541–4

A new treatment of pthiriasis palpebrarum. Mathew M, et al. **Ann Ophthalmol** 1982 May;14(5):439–41

Leaf-shaped lesions of ocular fundus and white eyelashes in tuberous sclerosis. Awan KJ. **South Med J** 1982 Feb; 75(2):227–8

Diagnosing and treating Phthirus pubis palpebrarum. Couch JM, et al. **Surv Ophthalmol** 1982 Jan-Feb;26(4):219–25

ABNORMALITIES

[Distichiasis and lymphedema (letter)] Prigent F, et al. **Nouv Presse Med** 1982 Apr 10;11(17):1339–40 **(Fre)**

PARASITOLOGY

'Feeding characteristics in demodectic mites of the eyelid'. English FP, et al. **Aust J Ophthalmol** 1981 Nov;9(4):311–3

Phthirus pubis infestation of the eyelashes [letter] Kirschner MH. **JAMA** 1982 Jul 23;248(4):428

SURGERY

Modified cryoprobe [letter] Eiferman RA. **Arch Ophthalmol** 1981 Dec;99(12):2205–6

ULTRASTRUCTURE

[Electron microscopic findings of a cilium in the anterior chamber (author's transl)] Koseki T, et al. **Nippon Ganka Gakkai Zasshi** 1981 Dec 10;85(12):2147–53 (Eng. Abstr.) **(Jpn)**

EYELID CONDITIONING see **CONDITIONING, EYELID**

EYELID DISEASES

BLOOD

[Xanthelasma palpebrarum and dyslipoproteinaemia: two retrospective studies (author's transl)] Rouffy J, et al. **Ann Dermatol Venereol** 1982;109(3):231–5 (Eng. Abstr.) **(Fre)**

CHEMICALLY INDUCED

Eyelid dermatitis from nickel contaminated cosmetics. van Ketel WG, et al. **Contact Dermatitis** 1981 Jul;7(4):217

Decongestant-induced blepharospasm and orofacial dystonia. Powers JM. **JAMA** 1982 Jun 18;247(23):3244–5

Meige syndrome (blepharospasm–oromandibular dystonia) after long-term neuroleptic therapy. Weiner WJ, et al. **Neurology (NY)** 1981 Dec;31(12):1555–6

COMPLICATIONS

A woman with the floppy eyelid syndrome [letter] Paciuc M, et al. **Am J Ophthalmol** 1982 Feb;93(2):255–6

Hematomas of the lids during a sickle cell crisis. Slem G, et al. **Ann Ophthalmol** 1981 Nov;13(11):1313–4

Meibomian keratitis. Mohan M, et al. **Indian J Ophthalmol** 1981 Dec;29(4):401–5

Apraxia of lid opening. Brusa A, et al. **Ital J Neurol Sci** 1981 Dec;2(4):367–70

CONGENITAL

Natural history of the congenital eyelid tetrad (Komoto's syndrome). Bergin DJ, et al. **Ann Ophthalmol** 1981 Oct; 13(10):1145–8

DIAGNOSIS

Desmoplastic malignant melanoma of the upper eyelid. Sutula FC, et al. **Ann Ophthalmol** 1982 Feb;14(2):141–3

Cat-scratch disease simulating malignant lymphoma. Luddy RE, et al. **Cancer** 1982 Aug 1;50(3):584–6

Meige's syndrome: clinical, pharmacological and radiological observations. Chopra JS, et al. **Clin Neurol Neurosurg** 1981; 83(3):145–52

Epiblepharon. An important and often missed diagnosis. Lemke BN, et al. **Clin Pediatr (Phila)** 1981 Oct;20(10):661–2

Diagnosing and treating Phthirus pubis palpebrarum. Couch JM, et al. **Surv Ophthalmol** 1982 Jan-Feb;26(4):219–25

'Squeezing eyes.' A clinical pathological conference. Miller NR, et al. **Surv Ophthalmol** 1981 Sep-Oct;26(2):97–100

[Disorders of voluntary eyelid movements (author's transl)] Säring W, et al. **Fortschr Neurol Psychiatr** 1982 Apr; 50(4):127–32 (Eng. Abstr.) **(Ger)**

DRUG THERAPY

Tobramycin in external eye disease: a double-masked study vs. gentamicin. Leibowitz HM, et al. **Curr Eye Res** 1981; 1(5):259–66

Non-surgical treatment of chalazion. Khanna KK, et al. **Indian J Ophthalmol** 1981 Jul;29(2):83–5

Psychosis associated with clonazepam therapy for blepharospasm. White MC, et al. **J Nerv Ment Dis** 1982 Feb;170(2):117–9

Choline for blepharospasm [letter] Skarf B, et al. **N Engl J Med** 1981 Oct 15;305(16):957–8

Preseptal cellulitis caused by Mycobacterium intracellulare. Warman ST, et al. **Ophthalmology (Rochester)** 1982 May; 89(5):499–501

[Treatment of a keratoacanthoma of the upper eyelid by intra-lesional injection of fluorouracil] Hochart G, et al. **Bull Soc Ophtalmol Fr** 1982 Feb;82(2):269–70 (Eng. Abstr.) **(Fre)**

ETIOLOGY

The floppy eyelid syndrome. Culbertson WW, et al. **Am J Ophthalmol** 1981 Oct;92(4):568–75

Meibomian stenosis and soft contact lenses [letter] Molinari JF. **Am J Optom Physiol Opt** 1981 Aug;58(8):690

Eyelid edema as the presenting sign in superior vena cava syndrome. Pecora JL, et al. **Ann Ophthalmol** 1980 Oct; 12(10):1162–3

Late onset of total eversion of the upper eyelids. Silverstone B, et al. **Ann Ophthalmol** 1982 May;14(5):477–8

Sarcoidosis manifesting as eyelid swelling. Diestelmeier MR, et al. **Arch Dermatol** 1982 May;118(5):356–7

Benign pigmented lesion of the eyelid associated with acquired ocular melanosis. Palestine RF, et al. **Arch Dermatol** 1981 Sep;117(9):579–81

Infraorbital fold in atopic dermatitis. Uehara M. **Arch Dermatol** 1981 Oct;117(10):627–9

Eyelid movement disorders following unilateral hemispheric stroke. Colombo A, et al. **Ital J Neurol Sci** 1982 Mar; 3(1):25–30

Phthirus pubis infestation of the eyelashes [letter] Kirschner MH. **JAMA** 1982 Jul 23;248(4):428

FAMILIAL & GENETIC

Increased Frequency of Apo E-ND phenotype and hyperapobeta-lipoproteinemia in normolipidemic subjects with xanthelasmas of the eyelids. Douste-Blazy P, et al. **Ann Intern Med** 1982 Feb;96(2):164–9

IMMUNOLOGY

Apparent monoclonal origin of lymphocytes and plasma cells infiltrating ocular adnexal amyloid deposits: report of 2 cases. Lucas DR, et al. **Br J Ophthalmol** 1982 Sep; 66(9):600–6

PARASITOLOGY

Loiasis: a case report. Vermeer BJ, et al.
Acta Derm Venereol (Stockh) 1982;62(1):78–9

'Feeding characteristics in demodectic mites of the eyelid'. English FP, et al. **Aust J Ophthalmol** 1981 Nov;9(4):311–3

[Chronic blepharitis and blepharoconjunctivitis of parasitic etiology] Ploshinskaia NV. **Voen Med Zh** 1982 Jan;(1):69 **(Rus)**

PATHOLOGY

Periorbital granuloma annulare. McFarland JP, et al.
Arch Dermatol 1982 Mar;118(3):190–1

In vivo biomicroscopy and photography of meibomian glands in a rabbit model of meibomian gland dysfunction. Jester JV, et al. **Invest Ophthalmol Vis Sci** 1982 May;22(5):660–7

Traumatic craniopalpebral cerebrospinal fluid fistula. Galzio RJ, et al. **J Neurosurg Sci** 1981 Apr-Jun;25(2):105–7

[Clinico-pathological analysis of keratoacanthoma of eyelid and conjunctiva (author's transl)] Wang Q.
Chung Hua Yen Ko Tsa Chih 1982 Mar;18(2):99–101 **(Chi)**

[Giant kerato-acanthoma of the palpebral region. (Diagnostic and therapeutic problems)] Flament J, et al.
Bull Soc Ophtalmol Fr 1981 Aug-Sep;81(8–9):611–5 (Eng. Abstr.) **(Fre)**

RADIOTHERAPY

Radiation therapy in amyloidosis of the eyelid and conjunctiva: a case report. Pecora JL, et al.
Ann Ophthalmol 1982 Feb;14(2):194–6

SURGERY

Obtaining auricular cartilage for reconstructive surgery. Baylis HI, et al. **Am J Ophthalmol** 1982 Jun;93(6):709–12

Parotid duct injury as a complication of differential seventh nerve ablation. Neuhaus RW, et al. **Am J Ophthalmol** 1982 Jan;93(1):124–5

Surgical correction of ectropion in lamellar ichthyosis. Peled I, et al. **Ann Plast Surg** 1982 May;8(5):429–31

Surgical correction of blepharoptosis and lower-eyelid retraction in dry-eyed patients. Sisler HA.
Arch Ophthalmol 1982 May;100(5):800–1

Treatment of styes and meibomian cysts. Practical procedures. Hudson RL. **Aust Fam Physician** 1981 Sep; 10(9):714–5, 717

Cryosurgery in treatment of trichiasis. Majekodunmi S.
Br J Ophthalmol 1982 May;66(5):337–9

Cosmetic correction of eyelid deformities associated with exophthalmos. Smith B, et al. **Clin Plast Surg** 1981 Oct; 8(4):777–92

Selective facial neurectomy for essential blepharospasm. Spector GJ, et al. **Laryngoscope** 1981 Nov;91(11):1896–903

Blepharospasm: a surgical procedure for therapy. Battista AF. **Ophthalmic Surg** 1981 Nov;12(11):823–9

The surgical management of thyroid-related upper eyelid retraction. Dixon R. **Ophthalmology (Rochester)** 1982 Jan; 89(1):52–7

The use of sclera in the treatment of dysthyroid eyelid retraction. Doxanas MT, et al.
Ophthalmology (Rochester) 1981 Sep;88(9):887–94

The use of autogenous fascia lata to correct lid and orbital deformities. Flanagan JC, et al.
Trans Am Ophthalmol Soc 1981;79:227–42

[Surgical treatment of lagophthalmos with transplantation of the temporalis muscle and its fascia (author's transl)] Sun H. **Chung Hua Yen Ko Tsa Chih** 1981 May;17(3):168–70 **(Chi)**

[Surgical treatment of paralytic lagophthalmos] Nicolai JP. **Ann Chir Plast** 1981;26(3):254–7 (Eng. Abstr.) **(Fre)**

[Recession of the levator muscle using interposition of a scleral transplant in surgery of palpebral retractions] Morax S. **Bull Mem Soc Fr Ophtalmol** 1981;93:266–8 **(Fre)**

[Correction of paralytic lagophthalmos in patients with anophthalmos] Kirillichev AI. **Oftalmol Zh** 1981; 36(5):304–5 **(Rus)**

THERAPY

Biofeedback in the treatment of blepharospasm: a case study. Rowan GE, et al. **Am J Psychiatry** 1981 Nov; 138(11):1487–9

Gold implant to upper eyelid for correction of lagophthalmos. Kaplan C, et al. **Ann Ophthalmol** 1980 Oct; 12(10):1214–5

Blepharospasm. Trobe JD. **J Fla Med Assoc** 1981 Dec; 68(12):974–9

Eyelid problems. Moriarty PA, et al. **Practitioner** 1982 May; 226(1367):901–23

Percutaneous thermoblock treatment for blepharospasm. Kao MC. **Taiwan I Hsueh Hui Tsa Chih** 1981 Dec; 80(12):1288–95

[Formol treatment of a palpebral epithelial cyst in Stevens-Johnson syndrome] Haut J, et al.
Bull Soc Ophtalmol Fr 1982 Jan;82(1):13–4 **(Fre)**

VETERINARY

Habronemic blepharoconjunctivitis in horses. Rebhun WC, et al. **J Am Vet Med Assoc** 1981 Sep 1;179(5):469–72

Feline ophthalmologic diseases. Part 1: Eyelid disorders. Martin CL. **Mod Vet Pract** 1981 Nov;62(11):865–70

EYELID NEOPLASMS

[2 cases of Ota's nevus] Leibovici M, et al.
Rev Chir [Oftalmol] 1981 Jul-Sep;25(3):195–8 (Eng. Abstr.) **(Rum)**

CLASSIFICATION

Typologia histologica WHO tumorum oculi eiusque adnexorum Latine reddita numerisque disposita. A latin translation and coded compendium of the World Health Organization's histological typing of tumours of the eye and its adnexa. Andersen AR, et al.
Acta Pathol Microbiol Immunol Scand [Suppl] 1982; 280:1–37

COMPLICATIONS

Neurofibromatosis associated with nevus of Ota and choroidal melanoma. Croxatto JO, et al.
Am J Ophthalmol 1981 Oct;92(4):578–80

The basal cell nevus syndrome. Bell RW.
Trans Pa Acad Ophthalmol Otolaryngol 1982 Spring; 35(1):8–12

CONGENITAL

[Congenital solitary fibromatosis of the eyelid (author's transl)] Witschel H. **Ophthalmologica** 1982;185(1):1–6 (Eng. Abstr.) **(Ger)**

DIAGNOSIS

Common presentations of sebaceous gland carcinoma of the eyelid. Wagoner MD, et al. **Ann Ophthalmol** 1982 Feb; 14(2):159–63

Cat-scratch disease simulating malignant lymphoma. Luddy RE, et al. **Cancer** 1982 Aug 1;50(3):584–6

[Melanotic eyelid and conjunctival tumors] Schmitt H.
Med Klin 1981 Aug 28;76(18):495–7 **(Ger)**

[Tumors of the eyelids (author's transl)] Car D, et al.
Lijec Vjesn 1981 Jan;103(1):13–5 (Eng. Abstr.) **(Scr)**

DRUG THERAPY

Intralesional corticosteroid injection for infantile adnexal hemangioma. Kushner BJ. **Am J Ophthalmol** 1982 Apr; 93(4):496–506

[Angioma of the eyelid, visual deprivation syndrome and corticoid treatment. Personal case and review of the literature] Foasso MF, et al. **Pediatrie** 1982 Mar; 37(2):125–31 (Eng. Abstr.) **(Fre)**

ETIOLOGY

Biomicroscopy of papillae associated with hard contact lens wearing. Korb DR, et al. **Ophthalmology (Rochester)** 1981 Nov;88(11):1132–6

FAMILIAL & GENETIC

The nasopalpebral lipoma-coloboma syndrome: a new autosomal dominant dysplasia-malformation syndrome with congenital nasopalpebral lipomas, eyelid colobomas, telecanthus, and maxillary hypoplasia. Penchaszadeh VB, et al. **Am J Med Genet** 1982 Apr;11(4):397–410

Familial Nevus of Ota. Trese MT, et al. **Ann Ophthalmol** 1981 Jul;13(7):855–7

PATHOLOGY

Acral syringoma: electron microscopic studies on its origin. Asai Y, et al. **Acta Derm Venereol (Stockh)** 1982;62(1):64–8

Desmoplastic malignant melanoma of the upper eyelid. Sutula FC, et al. **Ann Ophthalmol** 1982 Feb;14(2):141–3

Solitary extramedullary plasmacytoma of the palpebral conjunctiva. Seddon JM, et al. **Br J Ophthalmol** 1982 Jul; 66(7):450–4

Differentiating between apocrine and eccrine hidrocystoma. Bures FA, et al. **Cutis** 1982 Jun;29(6):616, 619–20

Heterotropic cartilage in the upper eyelid of monkey. Bajpai RN, et al. **Indian J Ophthalmol** 1981 Jan;28(4):227–8

Tumors of the eyelid and orbit: a Chinese-American collaborative study. **Int Ophthalmol Clin** 1982 Spring; 22(1):1–212

Sweat gland tumors in the eyelids: a clinicopathological analysis of 55 cases. Ni C, et al. **Int Ophthalmol Clin** 1982 Spring;22(1):1–22

Calcifying epithelioma: a clinicopathological analysis of 67 cases with ultrastructural study of 2 cases. Ni C, et al. **Int Ophthalmol Clin** 1982 Spring;22(1):63–86

Sebaceous cell carcinomas of the ocular adnexa. Ni C, et al. **Int Ophthalmol Clin** 1982 Spring;22(1):23–61

Neurofibromatosis of the eyelid and orbit. Woog JJ, et al. **Int Ophthalmol Clin** 1982 Fall;22(3):157–87

Ophthalmologic oncology: common eyelid tumors. Rodriguez-Sains RS. **J Dermatol Surg Oncol** 1982 Apr; 8(4):247–53

Syringocystadenoma papilliferum of the eyelid. Jakobiec FA, et al. **Ophthalmology (Rochester)** 1981 Dec;88(12):1175–81

Eyelid fibrous histiocytoma. John T, et al.
Ophthalmology (Rochester) 1981 Dec;88(12):1193–5

Pilomatrixoma (benign calcifying epithelioma of Malherbe). O'Grady RB, et al. **Ophthalmology (Rochester)** 1981 Dec; 88(12):1196–7

Basal cell epithelioma: an unusual case. Resnick KI, et al. **Ophthalmology (Rochester)** 1981 Dec;88(12):1182–5

Lentigo maligna of the lateral canthal skin. Rodriguez-Sains RS, et al. **Ophthalmology (Rochester)** 1981 Dec; 88(12):1186–92

[Clinico-pathological studies on epithelioma of eyelid (analysis of 40 cases) (author's transl)] Tang BY.
Chung Hua Yen Ko Tsa Chih 1982 Mar;18(2):102–3 **(Chi)**

[Orbitopalpebral non-Hodgkin's malignant lymphoma: report on 4 cases (author's transl)] Desjardins L, et al.
J Fr Ophtalmol 1982;5(5):317–21 (Eng. Abstr.) **(Fre)**

[Giant pigmented nevus of the eyelids] Morax S, et al.
J Fr Ophtalmol 1982;5(2):135–6 **(Fre)**

[Eye lesion in Ota's nevus] Egorov NA, et al.
Vestn Oftalmol 1982 Mar-Apr;(2):67–8 **(Rus)**

RADIOTHERAPY

Epiphora after irradiation of medial eyelid tumors. Call NB, et al. **Am J Ophthalmol** 1981 Dec;92(6):842–5

Epiphora after irradiation of medial eyelid tumors [letter] English FP. **Am J Ophthalmol** 1982 Jun;93(6):804

SECONDARY

Metastatic renal cell carcinoma to the eye and adnexae: a report of three cases and review of the literature. Kindermann WR, et al. **Ophthalmology (Rochester)** 1981 Dec;88(12):1347–50

SURGERY

Reconstruction of the removed lower eyelid by a 'pocket-flap' on two pedicles. Posazhennikov AP.
Acta Chir Plast (Prague) 1982;24(1):42–50

Kaposi's sarcoma involving eyelid and conjunctiva. Kalinske M, et al. **Ann Ophthalmol** 1982 May;14(5):497–9

Microscopically controlled excision of medial canthal carcinomas. Mohs FE. **Ann Plast Surg** 1981 Oct;7(4):308–11

Adjuvant cryotherapy for focal nodular melanoma of the conjunctiva. Jakobiec FA, et al. **Arch Ophthalmol** 1982 Jan; 100(1):115–8

Adenocarcinoma of the meibomian gland. Martin PA, et al. **Aust J Ophthalmol** 1982 Feb;10(1):63–7

The preservation of lachrymal drainage following excision of basal cell carcinoma of the lower eyelid. Bennett JP, et al. **Br J Plast Surg** 1981 Oct;34(4):385–8

Meibomian gland carcinoma. Hussain A, et al.
Indian J Ophthalmol 1981 OCT;29(3):289–91

Cryosurgery for basal cell carcinoma of the eyelids and nose: five-year experience. Biro L, et al.
J Am Acad Dermatol 1982 Jun;6(6):1042–7

Repair of a cicatricial epicanthal fold by a double Z-plasty (Spaeth). Field LM. **J Dermatol Surg Oncol** 1982 Mar; 8(3):215–7

One-stage lower eyelid reconstruction. Beyer CK, et al.
Ophthalmic Surg 1982 Jul;13(7):551–4

Techniques in eyelid wound closure. Divine RD, et al.
Ophthalmic Surg 1982 Apr;13(4):283–7

The management of meibomian gland carcinoma. Harvey JT, et al. **Ophthalmic Surg** 1982 Jan;13(1):56–61

Epigard in the management of eyelid neoplasms. La Piana FG. **Ophthalmic Surg** 1981 Oct;12(10):744–6

Incompletely excised basal cell carcinoma of the ocular adnexa. Wiggs EO. **Ophthalmic Surg** 1981 Dec;12(12):891–6

The use of mucosa-lined flaps in eyelid reconstruction: a new approach. van der Meulen JC. **Plast Reconstr Surg** 1982 Aug;70(2):139–46

[Recurrences of operated basaliomas of eye lids (author's transl)] Beran V. **Cesk Oftalmol** 1982 Mar;38(2):88–95 (Eng. Abstr.) **(Cze)**

[Technics of lower lid reconstruction] Lemagne JM, et al.
J Fr Ophtalmol 1981;4(4):307–15 **(Fre)**

[Partial canaliculus transplantation (author's transl)] Hiti H, et al. **Klin Monatsbl Augenheilkd** 1981 Dec;179(6):524–7 (Eng. Abstr.) **(Ger)**

[Microscopically controlled excision of eyelid tumors (author's transl)] Winter N, et al.
Klin Monatsbl Augenheilkd 1981 Dec;179(6):501–4 (Eng. Abstr.) **(Ger)**

[Laser surgery of conjunctival and eyelid neoplasms] Osipov GI. **Vestn Oftalmol** 1982 May-Jun;(3):51–3 (Eng. Abstr.) **(Rus)**

THERAPY

[Malignant melanoma of the conjunctiva and eyelids: analysis of prognosis in 56 cases (author's transl)] Haye C, et al.
J Fr Ophtalmol 1982;5(3):159–66 (Eng. Abstr.) **(Fre)**

[Clinical experience with cryotherapy of lid tumors (author's transl)] Prskavec FH, et al. **Klin Monatsbl Augenheilkd** 1981

Dec;179(6):429-31 (Eng. Abstr.) **(Ger)**

ULTRASTRUCTURE

Phakomatous choristoma of the lower eyelid with psammoma body formation: a light and electron microscopic study. Tripathi RC, et al. **Ophthalmology (Rochester)** 1981 Dec; 88(12):1198-1206

VETERINARY

Rn for treatment of periocular fibrous connective tissue sarcomas in the horse. Frauenfelder HC, et al. **J Am Vet Med Assoc** 1982 Feb 1;180(3):310-2

90Sr for treatment of periocular squamous cell carcinoma in the horse. Frauenfelder HC, et al. **J Am Vet Med Assoc** 1982 Feb 1;180(3):307-9

An immunopathological study of bovine ocular squamous cell carcinoma. Hamir AN, et al. **J Comp Pathol** 1980 Oct; 90(4):535-49

Replacement of canine membrana nictitans with a lip graft. Kuhns EL. **Mod Vet Pract** 1981 Oct;62(10):773-6

EYELIDS

see related

NICTITATING MEMBRANE

An adjustable self-supporting eyelid speculum. Krupin T. **Am J Ophthalmol** 1932 Jan;93(1):119-21

Meibomian gland photodocumentation. Molinari JF, et al. **Am J Optom Physiol Opt** 1981 Oct;58(10):896-7

Microbial flora of in-use, display eye shadow testers and bacterial challenges of unused eye shadows. Dawson NL, et al. **Appl Environ Microbiol** 1981 Aug;42(2):297-302

Transient eyelid opening associated with postanoxic EEG suppression-burst pattern. McCarty GE, et al. **Arch Neurol** 1981 Dec;38(12):754-6

A new lid speculum. Schott K. **Dev Ophthalmol** 1981;5:31-2

ABNORMALITIES

The nasopalpebral lipoma-coloboma syndrome: a new autosomal dominant dysplasia-malformation syndrome with congenital nasopalpebral lipomas, eyelid colobomas, telecanthus, and maxillary hypoplasia. Penchaszadeh VB, et al. **Am J Med Genet** 1982 Apr;11(4):397-410

Unilateral cryptophthalmos. Baijal GC, et al. **Indian J Ophthalmol** 1981 Apr;29(1):41-2

Bilateral cryptophthalmos-syndactyly syndrome. Gupta GP, et al. **Indian J Ophthalmol** 1981 Jan;28(4):231-5

Ankyloblepharon filiforme adnatum. Yamaguchi C, et al. **Jpn J Ophthalmol** 1982;26(1):37-40

Surgical management of congenital eyelid coloboma. Patipa M, et al. **Ophthalmic Surg** 1982 Mar;13(3):212-6

[Bilateral congenital microblepharon with ectropion and microphthalmus (author's transl)] Klauss V, et al. **Klin Monatsbl Augenheilkd** 1981 Nov;179(5):366-7 (Eng. Abstr.) **(Ger)**

ANALYSIS

[Polychlorinated biphenyls in the tarsal gland contents of Yusho patients (author's transl)] Kohno TK, et al. **Fukuoka Igaku Zasshi** 1981 Apr;72(4):237-41 (Eng. Abstr.) **(Jpn)**

ANATOMY & HISTOLOGY

Relationship of the orbits to the upper eyelids. Marchac D. **Clin Plast Surg** 1981 Oct;8(4):717-24

Anatomy of the eyelids. Zide BM. **Clin Plast Surg** 1981 Oct; 8(4):623-34

The role of the lateral canthal tendon in lower eyelid laxity. Ousterhout DK, et al. **Plast Reconstr Surg** 1982 Apr; 69(4):620-3

CYTOLOGY

[Histological study on the transplanted lyophilized dura (lyodura) (author's transl)] Anazawa K. **Nippon Ganka Gakkai Zasshi** 1981 Sep 10;85(9):1258-66 (Eng. Abstr.) **(Jpn)**

DRUG EFFECTS

Tarsorrhaphy from accidental instillation of cyanoacrylate adhesive in the eye. Margo CE, et al. **JAMA** 1982 Feb 5;247(5):660-1

Effects of a long-term treatment with norethisterone (a progestogen-only contraceptive) on the epidermis, the sebaceous glands, the meibomian gland and the Harderian gland in the cycling female rat. Maiti BR, et al. **Mikroskopie** 1981 Oct;38(9-10):309-13

ENZYMOLOGY

Lysozyme distribution in human lacrimal glands and other ocular adnexa. Rennie IG, et al. **Arch Ophthalmol** 1981 Oct;99(10):1850-3

INJURIES

The damage of plastic 'champagne' corks. White HM. **Br Med J [Clin Res]** 1981 Dec 19;283(6307):1660

Traumatic disinsertion of medial rectus muscle. Lemade PT, et al. **Indian J Ophthalmol** 1981 Jul;29(2):115-6

Mucocutaneous subdermal plexus flap from the lip for lower eyelid restoration in the dog. Pavletic MM, et al. **J Am Vet Med Assoc** 1982 Apr 15;180(8):921-6

Practical management of eyelid trauma. Carroll RP. **Minn Med** 1982 Apr;65(4):243-6

Three-years' experience in a regional burn center with burns of the eyes and eyelids. Guy RJ, et al. **Ophthalmic Surg** 1982 May;13(5):383-6

The use of the pigtail probe for silicone intubation of the injured canaliculus. Walter WL. **Ophthalmic Surg** 1982 Jun; 13(6):488-92

[General principles of emergency repair of wounds of the eyelids--65 cases] Arné JL, et al. **Bull Soc Ophtalmol Fr** 1982 Apr;82(4):571-6 (Eng. Abstr.) **(Fre)**

[Care and prognosis of eyelid injuries with severance of the lacrimal duct] Sommer E, et al. **Z Arztl Fortbild (Jena)** 1981 Mar 15;75(6):253-6 **(Ger)**

INNERVATION

Fine structure, origin, and distribution density of the autonomic nerve endings in the tarsal muscle in the eyelid of the mouse. Yamashita T, et al. **Cell Tissue Res** 1982; 222(2):459-65

PATHOLOGY

Lip droop following contralateral ptosis repair. Bodian M. **Arch Ophthalmol** 1982 Jul;100(7):1122-4

In vivo biomicroscopy and photography of meibomian glands in a rabbit model of meibomian gland dysfunction. Jester JV, et al. **Invest Ophthalmol Vis Sci** 1982 May;22(5):660-7

[Acquired ptosis caused by disinsertion of the levator palpebrae superioris muscle] Roux JJ, et al. **Bull Soc Ophtalmol Fr** 1982 Jan;82(1):123-5 (Eng. Abstr.) **(Fre)**

PHYSIOLOGY

Lid interaction and toric soft lens axis location. Tomlinson A, et al. **Am J Optom Physiol Opt** 1982 Mar;59(3):228-33

Levator myometry. Mathur SP. **Indian J Ophthalmol** 1981 Dec;29(4):389-91

Re-animation of the face [letter] Orlay G, et al. **Med J Aust** 1981 Jul 25;2(2):107-8

['Physiological observations on the eye movement with the acts of closing and opening of the eyelid' (author's transl)] Tenjin T, et al. **Nippon Ganka Gakkai Zasshi** 1982; 86(5):501-9 (Eng. Abstr.) **(Jpn)**

PHYSIOPATHOLOGY

Suppression burst associated with eye opening [letter] Jordan JE, et al. **Arch Neurol** 1982 Sep;39(9):602

Lid-triggered synkineses. Chu FC, et al. **Ophthalmology (Rochester)** 1981 Oct;88(10):1019-23

RADIOGRAPHY

Eye lymphography with Iotasul. Grüntzig J, et al. **Albrecht Von Graefes Arch Klin Exp Ophthalmol** 1981; 217(2):111-6

SECRETION

The role of the lids in soft lens spoilage. Tripathi RC, et al. **Contact Intraocular Lens Med J** 1981 Jul-Sep; 7(3):234-41

The meibomian lipids of the rabbit. II. Detailed composition of the principal esters. Tiffany JM, et al. **Exp Eye Res** 1982 Apr;34(4):601-8

SURGERY

Correction of anteriorly displaced medial canthus by tendon retropositioning. Mulliken JB, et al. **Am J Ophthalmol** 1981 Dec;92(6):846-50

Modification of the Müller's muscle-conjunctival resection operation for blepharoptosis. Weinstein GS, et al. **Am J Ophthalmol** 1982 May;93(5):647-51

Tarsal ectropion from detachment of the lower eyelid retractors. Wesley RE. **Am J Ophthalmol** 1982 Apr; 93(4):491-5

Cryosurgery in palpebral vernal catarrh. Singh G. **Ann Ophthalmol** 1982 Mar;14(3):252-4

Reconstructive surgery of the mental canthal region. Becker FF. **Ann Plast Surg** 1981 Oct;7(4):259-68

Oriental blepharoplasty--a critical review of technique and potential hazards. Hin LC. **Ann Plast Surg** 1981 Nov; 7(5):362-74

Bilateral visual loss after blepharoplasty [letter] Anderson RL. **Arch Ophthalmol** 1981 Dec;99(12):2205

Levator transposition and frontalis sling procedure in severe unilateral ptosis and the paradoxically innervated levator. Dryden RM, et al. **Arch Ophthalmol** 1982 Mar;100(3):462-4

Evaluation of the lacrimal system for cosmetic surgeons. Stasior OG. **Arch Otolaryngol** 1982 Aug;108(8):495-7

Symposium on modern trends in blepharoplasty. **Clin Plast Surg** 1981 Oct;8(4):621-843

Orbicularis oculi muscle flaps. A follow-up of the technique to reduce crow's feet and lateral canthal skin folds. Aston SJ. **Clin Plast Surg** 1981 Oct;8(4):679-86

Upper blepharoplasty. Baker TJ. **Clin Plast Surg** 1981 Oct; 8(4):635-41

Aesthetic approach to upper eyelid reconstruction. Carraway JH. **Clin Plast Surg** 1981 Apr;8(2):237-41

Selection of alternatives in esthetic blepharoplasty. Courtiss EH. **Clin Plast Surg** 1981 Oct;8(4):739-55

The orbicularis oculi muscle. Management in blepharoplasty. Furnas DW. **Clin Plast Surg** 1981 Oct;8(4):687-715

Upper and lower blepharoplasty. Standard technique. Guy CL, et al. **Clin Plast Surg** 1981 Oct;8(4):663-71

Dry eye syndrome and other tear film abnormalities. Jelks GW, et al. **Clin Plast Surg** 1981 Oct;8(4):803-10

Fat pad sliding and fat grafting for leveling lid depressions. Loeb R. **Clin Plast Surg** 1981 Oct;8(4):757-76

Major reconstruction of the eyelids: functional and aesthetic considerations. Mustardé JC. **Clin Plast Surg** 1981 Apr; 8(2):227-36

Lower blepharoplasty with emphasis on the orbicularis muscle. Rees TD, et al. **Clin Plast Surg** 1981 Oct; 8(4):643-62

Blindness associated with cosmetic blepharoplasty. Stasior OG. **Clin Plast Surg** 1981 Oct;8(4):793-5

Technique for division and suspension of the orbicularis oculi muscle. Su CT, et al. **Clin Plast Surg** 1981 Oct;8(4):673-8

Complications of blepharoplasty. Orbital hematoma, ectropion, and scleral show. Tenzel RR. **Clin Plast Surg** 1981 Oct;8(4):797-802

Correction of the Oriental eyelid. Zubiri JS. **Clin Plast Surg** 1981 Oct;8(4):725-37

Some observations on the common procedure of tarsal wedge resection for cicatricial entropion of the upper eyelid. Ghose S, et al. **Indian J Ophthalmol** 1981 Dec;29(4):385-7

Contracted sockets--II. Krishna G. **Indian J Ophthalmol** 1981 Jul;29(2):75-9

Elongation of cat eyes following neonatal lid suture. Kirby AW, et al. **Invest Ophthalmol Vis Sci** 1982 Feb;22(2):274-7

Repair of a cicatricial epicanthal fold by a double Z-plasty (Spaeth). Field LM. **J Dermatol Surg Oncol** 1982 Mar; 8(3):215-7

Grafts on upper eyelids. Harahap M. **J Dermatol Surg Oncol** 1981 Sep;7(9):725-8

Blepharoplasty with ancillary procedures. Gullane PJ. **J Otolaryngol** 1981 Dec;10(6):413-9

Visual deprivation in rats: technique for surgical eyelid closure. de Sousa L, et al. **Lab Anim Sci** 1981 Oct;31(5 Pt 1):526-7

One-stage lower eyelid reconstruction. Beyer CK, et al. **Ophthalmic Surg** 1982 Jul;13(7):551-4

Techniques in eyelid wound closure. Divine RD, et al. **Ophthalmic Surg** 1982 Apr;13(4):283-7

The management of meibomian gland carcinoma. Harvey JT, et al. **Ophthalmic Surg** 1982 Jan;13(1):56-61

Tarso-septal Z-plasty combined with skin grafting for the late correction of traumatic upper lid contractures. Zolli CL. **Ophthalmic Surg** 1982 Jul;13(7):576-9

Tarsal strip procedure for correction of eyelid laxity and canthal malposition in the anophthalmic socket. Anderson RL. **Ophthalmology (Rochester)** 1981 Sep;88(9):895-903

The use and fate of fascia lata and sclera in ophthalmic plastic and reconstructive surgery. Beyer CK, et al. **Ophthalmology (Rochester)** 1981 Sep;88(9):869-86

Correction of facial contour deformities with prefabricated sculptured implants. Dortzbach RK, et al. **Ophthalmology (Rochester)** 1981 Sep;88(9):908-16

The use of sclera in the treatment of dysthyroid eyelid retraction. Doxanas MT, et al. **Ophthalmology (Rochester)** 1981 Sep;88(9):887-94

An orbital decompression for severe dysthyroid exophthalmos. Kennerdell JS, et al. **Ophthalmology (Rochester)** 1982 May;89(5):467-72

Blepharoplasty. Beekhuis GJ. **Otolaryngol Clin North Am** 1982 Feb;15(1):179-93

Westernization of the oriental eyelid. McCurdy JA Jr. **Otolaryngol Head Neck Surg** 1982 Jan-Feb;90(1):142-5

A minor complication of blepharoplasty. Bennett JE, et al. **Plast Reconstr Surg** 1982 May;69(5):856-8

Medial canthal tendon reconstruction. Brody GS, et al. **Plast Reconstr Surg** 1981 Nov;68(5):789-91

Correction of asymmetrical upper eyelids by measured levator adhesion technique. Ellenbogen R, et al. **Plast Reconstr Surg** 1982 Mar;69(3):433-44

The use of mucosa-lined flaps in eyelid reconstruction: a new approach. van der Meulen JC. **Plast Reconstr Surg** 1982 Aug;70(2):139-46

Management of ptosis due to defects of the levator aponeurosis. Ring CP. **Trans Ophthalmol Soc NZ** 1982; 34:64-9

[Lower lid cosmetic surgery techniques. (An interview of D. Marchac and J.P. Lalardrie (by V. Mitz) (author's transl)] Marchac D, et al. **Ann Chir Plast** 1982;27(1):94-6 **(Fre)**

[Surgical methods for ectropion of the lower lid caused by hypotonia] Morax S, et al. **Bull Soc Ophtalmol Fr** 1982 Jan;82(1):75-7 **(Fre)**

[Technics of lower lid reconstruction] Lemagne JM, et al. **J Fr Ophtalmol** 1981;4(4):307-15 **(Fre)**

[Emergency surgical treatment of injuries to the internal angle of the eyelids (author's transl)] Morax S. **J Fr Ophtalmol** 1981;4(11):741-6 (Eng. Abstr.) **(Fre)**

[Correction of paralytic lagophthalmos in patients with anophthalmos] Kirillichev AI. **Oftalmol Zh** 1981; 36(5):304-5 **(Rus)**

TRANSPLANTATION

Surgical correction of blepharoptosis and lower-eyelid retraction in dry-eyed patients. Sisler HA.

Arch Ophthalmol 1982 May;100(5):800–1

[Partial canaliculus transplantation (author's transl)] Hiti H, et al. **Klin Monatsbl Augenheilkd** 1981 Dec;179(6):524–7 (Eng. Abstr.) **(Ger)**

EYESTRAIN see **ASTHENOPIA**

F FACTOR

Identification of a sex-factor-affinity site in E. coli as gamma delta. Guyer MS, et al.
Cold Spring Harbor Symp Quant Biol 1980;45 Pt 1:135–40

The recA-dependent spontaneous degradation of proximal F merogenotes in Escherichia coli. Hubáček J, et al.
Folia Microbiol (Praha) 1982;27(1):1–6

Nine unique repeating sequences in a region essential for replication and incompatibility of the mini-F plasmid. Murotsu T, et al. **Gene** 1981 Nov;15(2–3):257–71

Analysis of mini-F plasmid replication by transposition mutagenesis. Bergquist PL, et al. **J Bacteriol** 1981 Sep; 147(3):888–99

Complementation of replication-deficient deletion derivatives of plasmid mini-F. Ebbers J, et al.
J Bacteriol 1981 Sep;147(3):736–43

Utilization of a thermosensitive episome bearing transposon TN10 to isolate Hfr donor strains of Erwinia carotovora subsp. chrysanthemi. Kotoujansky A, et al. **J Bacteriol** 1982 Apr;150(1):122–31

Another gene affecting sexual expression of Escherichia coli. Lerner TJ, et al. **J Bacteriol** 1982 Apr;150(1):156–60

Analysis of the promoter-distal region of the tra operon of the F sex factor of Escherichia coli K-12 encoded by EcoRI restriction fragments f17, f19, and f2. Manning PA, et al. **J Bacteriol** 1982 Apr;150(1):76–88

DNA homology of the promoter-distal regions of the tra operons of sex factors F and R100 in Escherichia coli K-12. Manning PA, et al. **J Bacteriol** 1982 Apr;150(1):389–94

Trimethoprim-produced F-specific insertion mutations in Escherichia coli K-12. Mukhopadhyay P, et al.
J Bacteriol 1982 May;150(2):755–61

Molecular homology and incompatibility in the IncFI plasmid Group. Bergquist PL, et al. **J Gen Microbiol** 1982 Feb;128(Pt 2):223–38

Phage Folac: an Folac plasmid-dependent bacteriophage. Bradley DE, et al. **J Gen Microbiol** 1981 Oct;126(Pt 2):405–11

Cloning of F DNA fragments carrying the origin of transfer oriT and the fertility inhibition gene finP. Johnson D, et al. **J Mol Biol** 1981 Dec 5;153(2):187–202

Recombinational instability of F' plasmids in Escherichia coli K-12: localization of fre-sites. Bresler SE, et al. **MGG** 1981; 183(1):192–6

Surface exclusion between F' plasmids in strains of Escherichia coli K-12 carrying a dnaB mutation, in the presence or absence of bacteriophage genomes providing a dnaB analog function. Jones RM, et al. **MGG** 1981; 183(2):238–42

Detection and mapping of six miniF-encoded proteins by cloning analysis of dissected miniF segments. Komai N, et al. MGG 1982;186(2):193–203

The effect of tra mutations on the synthesis of the F-pilin membrane polypeptide. Moore D, et al. **MGG** 1981; 184(2):260–4

Genetic analysis of mu or mini-mu containing F' pro lac episomes after prophage induction. Toussaint A, et al.
MGG 1981;181(2):201–6

pED100, a conjugative F plasmid derivative without insertion sequences. Willetts N, et al. **MGG** 1981; 182(3):520–2

Cloning of a 1.1-kb fragment including srnB+ gene in the F plasmid and isolation of an srnB mutant. Ohnishi Y, et al. **Microbiol Immunol** 1981;25(12):1243–54

IS2-IS2 and IS3-IS3 relative recombination frequencies in F integration. Deonier RC, et al. **Plasmid** 1980 Jan; 3(1):48–64

traG protein of the F sex factor of Escherichia coli K-12 and its role in conjugation. Manning PA, et al.
Proc Natl Acad Sci USA 1981 Dec;78(12):7487–91

[Replication control of F plasmid (author's transl)] Matsubara K. **Tanpakushitsu Kakusan Koso** 1982;27(1):97–106 (53 ref.) **(Jpn)**

[F-like genetic transfer factor pAP42] Gubar' EV, et al. **Biull Eksp Biol Med** 1982 Apr;93(4):85–7 (Eng. Abstr.) **(Rus)**

FABRY'S DISEASE see **ANGIOKERATOMA CORPORIS DIFFUSUM**

FACE

Chlorpropamide-alcohol flushing in non insulin-dependent diabetes: prevalence of small and large vessel disease and or risk factors for angiopathy. Micossi P, et al.
Acta Diabetol Lat 1982 Apr-Jun;19(2):141–9

Inflammation in a silicone-induced granuloma caused by a tuberculosis skin test. Lavey EB, et al. **Ann Plast Surg** 1981 Aug;7(2):152–4

Pneomometry-induced purpura [letter] Lupton GP.
Arch Dermatol 1981 Oct;117(10):603

Facial cellulitis caused by a soft tissue impacted denture. Heggie AA, et al. **Aust Dent J** 1981 Aug;26(4):252–4

Subcutaneous facial emphysema complicating dental anaesthesia. Milne B, et al. **Can Anaesth Soc J** 1982 Jan; 29(1):71–3

Lateral asymmetry in face perception. St John RC.
Can J Psychol 1981 Sep;35(3):213–23

Facial swelling: a complication of transvenous pacing. Deanfield JE, et al. **Clin Cardiol** 1982 Apr;5(4):308–9

Face representation linked with literacy level in colonial American tombstone engravings and Third World preliterates' drawnings. Toward a cultural-evolutional neurology. Pontius AA. **Experientia** 1982 May 15; 38(5):577–81

Facial pain – toothache or tumour? Aiken A.
Int J Oral Surg 1981;10(Suppl 1):187–90

Psychogenic facial pain. Harris M. **Int J Oral Surg** 1981; 10(Suppl 1):183–6 (8 ref.)

Hyperventilation and facial pain. Grace EG, et al.
J Am Dent Assoc 1982 Jan;104(1):52–4

Orofacial pain of cardiac origin. Graham LL, et al.
J Am Dent Assoc 1982 Jan;104(1):47–8

A quantitative, non-invasive method for the characterization of flushing reactions. Wilkin JK. **J Invest Dermatol** 1982 Apr;78(4):276–9

The pathogenesis and microbiology of idiopathic cervicofacial abscesses. Adekeye EO, et al.
J Oral Maxillofac Surg 1982 Feb;40(2):100–6

Adult Burkitt's lymphoma: report of a case. Wasserman BS, et al. **J Oral Med** 1981 Jul-Sep;36(3):73–5

A new malformation syndrome of long palpebral fissures, large ears, depressed nasal tip, and skeletal anomalies associated with postnatal dwarfism and mental retardation. Kuroki Y, et al. **J Pediatr** 1981 Oct;99(4):570–3

Kabuki make-up syndrome: a syndrome of mental retardation, unusual facies, large and protruding ears, and postnatal growth deficiency. Niikawa N, et al.
J Pediatr 1981 Oct;99(4):565–9

Mucormycosis: oral and prosthodontic implications. A report of 14 patients. Kurrasch M, et al. **J Prosthet Dent** 1982 Apr;47(4):422–9

Facial swelling and giant cell arteritis. Cohen MD, et al.
J Rheumatol 1982 Mar-Apr;9(2):325–7

An appraisal of use of the classifications of disabilities resulting from leprosy in field work and suggestions for improvement. Hasan S. **Lepr India** 1982 Jan;54(1):135–42

Pituitary adenoma presenting as facial pain: report of two cases and review of the literature. Friedman AH, et al.
Neurosurgery 1982 Jun;10(6 Pt 1):742–5

Treatment of trigeminal neuralgia and other facial pains by retrogasserian injection of glycerol. Sweet WH, et al.
Neurosurgery 1981 Dec;9(6):647–53

Pain in the face. Johnson RH. **NZ Dent J** 1982 Apr; 78(352):52–7

Referred oral facial pain from brain abscess. Report of a case. Sanger RG, et al. **Oral Surg** 1982 Feb;53(2):131–5

Magnetic prostheses: an alternative fixation and orientation method. Swartz BE, et al. **Plast Reconstr Surg** 1982 May; 69(5):755–9

[92 case observation of late curative effect on treatment of cysts and fistulae by means of application of trichloroacetic acid (author's transl)] Zhou YC.
Chung Hua Kou Chiang Ko Tsa Chih 1981 Jun;16(2):119–20 **(Chi)**

[Unilateral cerebral lesion and disturbance of face perception. Specificity of the deficit? (author's transl)] Bruyer R, et al. **Acta Neurol Belg** 1981;81(6):321–32 (Eng. Abstr.) **(Fre)**

[Echography. Its perspectives in oro-facial pathology] Sassoon C, et al. **Actual Odontostomatol (Paris)** 1981; (134):273–80 (Eng. Abstr.) **(Fre)**

[Various facial and orodental pains] Thurel C, et al.
Actual Odontostomatol (Paris) 1981;(134):265–72 (Eng. Abstr.) **(Fre)**

[Clinical and bacteriological examinations to assess the effectiveness of the treatment of infections in the face neck area with vacuum drainage (author's transl)] Müller W, et al. **Zahn Mund Kieferheilkd** 1981;69(5):353–8 (Eng. Abstr.) **(Ger)**

[Diagnostic criteria in the William-Beuren syndrome. Report of 5 cases] Balestrazzi P, et al. **Pediatr Med Chir** 1982 Jan-Apr;4(1-2):101–6 **(Ita)**

ABNORMALITIES

Picture of the month: cebocephaly. Siber MW, et al.
Am J Dis Child 1981 Sep;135(9):859–60

The neurofaciodigitorenal (NFDR) syndrome. Freire-Maia N, et al. **Am J Med Genet** 1982 Mar;11(3):329–36

Fronto-facio-nasal dysostosis – a new autosomal recessive syndrome [letter] Gollop TR. **Am J Med Genet** 1981; 10(4):409–12

Lapsus—caveat emptor: Coffin-Lowry syndrome vs Coffin-Siris syndrome—an example of confusion compounded [letter] Gorlin RJ. **Am J Med Genet** 1981; 10(1):103–4

Clinicopathological conference: a newborn monozygotic twin with abnormal facial appearance and respiratory insufficiency. Juberg RC, et al. **Am J Med Genet** 1981; 10(2):193–200

Another case of Marden-Walker syndrome. Cote GB, et al.
Ann Genet (Paris) 1981;24(2):112–3

Median facial dysgenesis in cleft lip and palate. Noordhoff MS, et al. **Ann Plast Surg** 1982 Jan;8(1):83–92

Unexplained diarrhoea and failure to thrive in 2 siblings with unusual facies and abnormal scalp hair shafts: a new syndrome. Stankler L, et al. **Arch Dis Child** 1982 Mar; 57(3):212–6

Autoalloplast. An experimental and clinical study. Stucker FJ Jr. **Arch Otolaryngol** 1982 Mar;108(3):130–41

Inferior onlay mandibuloplasty for correction of the short face. Epker BN, et al. **Br J Oral Surg** 1981 Dec;19(4):293–9

Combined dentoalveolar osteotomy, reduction cheioplasty, and genioplasty: an alternate treatment approach for the short face patient. Epker BN, et al. **Br J Oral Surg** 1981 Dec;19(4):283–92

Folklore surrounding facial deformity and the origins of facial prejudice. Shaw WC. **Br J Plast Surg** 1981 Jul; 34(3):237–46

Genetic services at a center for craniofacial anomalies. Rollnick BR, et al. **Cleft Palate J** 1981 Oct;18(4):304–13

The femoral hypoplasia-unusual facies syndrome: a genetic entity? Lord J, et al. **Clin Genet** 1981 Oct;20(4):267–75

Neonate with dysmorphic facies and heart defects. Conley ME, et al. **Hosp Pract** 1981 Sep;16(9):100, 104

Potter's syndrome and chromosomal anomalies. Côté GB. **Hum Genet** 1981;58(2):220

Classification of facial malformations. Gundlach KK, et al.
Int J Oral Surg 1981;10(Suppl 1):267–72 (33 ref.)

C.A.T. scan in severe facial cleft surgery. Case report. Christophorou M, et al. **J Maxillofac Surg** 1981 Aug; 9(3):185–7

Autosomal dominant asymmetrical radial dysplasia, dysmorphic facies, and conductive hearing loss (facioauriculoradial dysplasia). Harding AE, et al.
J Med Genet 1982 Apr;19(2):110–5

Möbius-like syndrome due to multiple cerebral abnormalities including hypoplasia of the descending tracts. A case report. Nardelli E, et al. **J Neurol** 1982;227(1):11–9

Neuroradiological study of holoprosencephalies. Manelfe C, et al. **J Neuroradiol** 1982 Mar;9(1):15–45 **(Eng, Fre)**

The class III syndrome. Belinfante LS.
J Oral Maxillofac Surg 1982 Jul;40(7):424–7

Surgical treatment of the short face syndrome. Freihofer HP.
J Oral Surg 1981 Nov;39(11):907–11

Niikawa-Kuroki syndrome: a new malformation syndrome of postnatal dwarfism, mental retardation, unusual face, and protruding ears. Koutras A, et al. **J Pediatr** 1982 Sep; 101(3):417–9

Facio-auriculo-vertebral anomalad and pulmonary artery sling. A hitherto undescribed but probably non-casual association. Gallo P, et al. **Pathol Res Pract** 1981 Dec; 173(1-2):172–9

The orofacial structures and their association with congenital abnormalities. Stewart RE, et al.
Pediatr Clin North Am 1982 Jun;29(3):547–84 (26 ref.)

Autosomal recessive type of whistling face syndrome in twins. Kousseff BG, et al. **Pediatrics** 1982 Mar;69(3):328–31

Oblique facial clefts caused by amniotic bands. Mayou BJ, et al. **Plast Reconstr Surg** 1981 Nov;68(5):675–81

Oblique facial clefts caused by amniotic bands [letter] van der Meulen JC. **Plast Reconstr Surg** 1982 Aug;70(2):269–70

Immunodeficiency in children with severe craniofacial anomalies. Miller GC, et al. **South Med J** 1982 Jan; 75(1):14–9

Facial duplication: case, review, and embryogenesis. Barr M Jr. **Teratology** 1982 Apr;25(2):153–9

Normal and abnormal midfacial development in the cadmium-treated hamster. Tassinari MS, et al.
Teratology 1982 Feb;25(1):101–13

[Fetal face syndrome (Robinow syndrome] Zižka J, et al. **Cesk Pediatr** 1981 Jun;36(6):328–30 (Eng. Abstr.) **(Cze)**

[General problems in anesthesia and recovery posed by congenital abnormalities of the face] Cathelin M, et al.
Ann Anesthesiol Fr 1981;22(6):539–45 **(Fre)**

[Larsen's syndrome. Clinical findings and inheritance (author's transl)] Renault F, et al. **Arch Fr Pediatr** 1982 Jan;39(1):35–8 (Eng. Abstr.) **(Fre)**

[Association of deformities of the head and extremities. Apropos of 15 cases] Brunais B, et al.
Rev Stomatol Chir Maxillofac 1982;83(1):36–8 (Eng. Abstr.) **(Fre)**

[Neurocristopathies of the human nasofrontal bud. Ethmoidal syndromes (hypo- and hyper-septoethmoidism) (author's transl)] Couly G. **Rev Stomatol Chir Maxillofac** 1981; 82(4):213–25 (Eng. Abstr.) **(Fre)**

[Cell death in organogenesis. Creodes and catastrophies. Cell non-death syndromes of face and hand deformities] Couly G. **Rev Stomatol Chir Maxillofac** 1982;83(1):3–7 (Eng. Abstr.) **(Fre)**

[A rare hand malformation, the Freeman-Sheldon syndrome] Freilinger G, et al. **Handchirurgie** 1980;12(3–4):225–7 (Eng. Abstr.) **(Ger)**

[The Roberts syndrome. Report of a case without anomaly of the centrometric region (author's transl)] Pfeiffer RA, et al. **Monatsschr Kinderheilkd** 1982 May;130(5):296–8 (Eng. Abstr.) **(Ger)**

[Caudal regression with sirenomelia and dysplasia renofacialis (Potter's syndrome) (author's transl)] Nöldge G, et al.
ROFO 1982 May;136(5):587–91 **(Ger)**

[The G syndrome: description of a case/and familial studies] Calandi C, et al. **Arch De Vecchi Anat Patol** 1980; 64(1):59–73 (25 ref.) **(Ita)**

[The Freeman-Sheldon syndrome with mental retardation] Cirillo Silengo M, et al. **Minerva Pediatr** 1982 Mar 31; 34(6):277–80 (Eng. Abstr.) **(Ita)**

[The Cohen syndrome. Presentation of the 1st Italian case] De Toni T, et al. **Minerva Pediatr** 1982 Mar 31;34(6):261–6

(Eng. Abstr.) (Ita)
[Two cases of amniotic band disruption complex (author's transl)] Ronconi GF, et al. **Pediatr Med Chir** 1981 Jul–Aug; 3(4):327–30 (Eng. Abstr.) (Ita)
[Aarskog's syndrome (facial–digital–genital syndrome). Study of a family (author's transl)] Scarano G, et al. **Pediatr Med Chir** 1981 Jul–Aug;3(4):323–5 (Eng. Abstr.) (Ita)
[The Potter syndrome with complete absence of external genitalia and uterus bicornis] Savanelli A, et al. **Pediatria (Napoli)** 1981;89(2):245–51 (Ita)
[Surgery of maxillo–facial abnormalities] Hedemark A, et al. **Tidsskr Nor Laegeforen** 1981 Sep 20;101(26):1451–2 (Eng. Abstr.) (Nor)
[Fetal hydantoin syndrome (author's transl)] Cisarik F, et al. **Bratisl Lek Listy** 1981 Dec;76(6):714–9 (Slo)
[Tricho–oculo–dentomandibular progeroid syndrome] Hernández A, et al. **Bol Med Hosp Infant Mex** 1982 Jan; 39(1):41–3 (Eng. Abstr.) (Spa)
[Elfin face syndrome – an often missed diagnosis] Zetterqvist P, et al. **Lakartidningen** 1982 Apr 7;79(14):1363–6 (Swe)

ANATOMY & HISTOLOGY

The effect of a partial bite raising splint on the occlusal face height. An x–ray cephalometric study in human adults. Dahl BL, et al. **Acta Odontol Scand** 1982;40(1):17–24
Changes in cranio–facial morphology of individuals with hypodontia between the ages of 9 and 16. Roald KL, et al. **Acta Odontol Scand** 1982;40(2):65–74
Videocamera superimposition and facial reconstruction as an aid to identification. Koelmeyer TD. **Am J Forensic Med Pathol** 1982 Mar;3(1):45–8
Morphologic changes in the sagittal dimension using the Fränkel appliance. Owen AH 3d. **Am J Orthod** 1981 Dec; 80(6):573–603
Telecentric photogrammetry: its development, testing, and application. Robertson NR, et al. **Am J Orthod** 1981 Dec; 80(6):623–37
What happen to them? Postoperative survey of patients 10 years after surgical correction of mandibular prognathisms. Wisth PJ. **Am J Orthod** 1981 Nov;80(5):525–35
Reliability of soft tissue profile analysis in children. Fields HW, et al. **Angle Orthod** 1982 Apr;52(2):159–65
Soft tissue profile changes following correction of class III malocclusions by mandibular surgery. Willmot DR. **Br J Orthod** 1981 Oct;8(4):175–81
The relationship between facial structure and personality characteristics. Squier RW, et al. **Br J Soc Psychol** 1981 Sep;20(Pt 3):151–60
Skeletal and soft tissue response to activator treatment. Forsberg CM, et al. **Eur J Orthod** 1981;3(4):247–53
A comparison of various facial and occlusal characteristics in mature individuals, with vertical and horizontal growth direction expressed at the chin. Lundström A, et al. **Eur J Orthod** 1981;3(4):227–35
High density facial measurement: a new automated approach. Newman DG, et al. **Int J Biomed Comput** 1982 Mar; 13(2):175–87
Changes of lateral soft tissue profile after surgical correction of mandibular prognathism. Berge TI, et al. **Int J Oral Surg** 1981 Oct;10(5):323–7
Mandibular rami osteotomies and their effect on the gonial angle. Jönsson E, et al. **Int J Oral Surg** 1981 Jun; 10(3):168–72
Computer graphics in facial morphology analysis. Leonard MS, et al. **Int J Oral Surg** 1981;10(Suppl 1):273–5
The value of profileometry in complete immediate denture service. A preliminary report. Scher E, et al. **Int J Oral Surg** 1981;10(Suppl 1):99–103
Clinical measurement and evaluation of vertical dimension. Toolson LB, et al. **J Prosthet Dent** 1982 Mar;47(3):236–41
Reconstructing the face from the skull as a means of identification. Goyne TE. **Med Leg Bull** 1982 Jan–Feb; 31(1):1–16
Profile changes after adult orthodontics. Feingold M, et al. **NY State Dent J** 1982 Feb;48(2):92–5
An architectural and structural craniofacial analysis: a new lateral cephalometric analysis. Delaire J, et al. **Oral Surg** 1981 Sep;52(3):226–38
Surgical anatomy of the face. Smith TE Jr. **Otolaryngol Clin North Am** 1982 Feb;15(1):3–18
Two new instruments to identify the standard positions of the head and face during anthropometry. Farkas LG, et al. **Plast Reconstr Surg** 1982 May;69(5):879–80
[Anthropometric study of the face in childhood from birth to 11 years (author's transl)] Brachet G, et al. **Arch Fr Pediatr** 1981 Aug–Sep;38(7):477–80 (Eng. Abstr.) (Fre)
[Anatomo–radiological and tomodensitometrical study of the cellular tissues of the face] Boudin G, et al. **Bull Group Int Rech Sci Stomatol Odontol** 1981 Sep; 24(3):165–9 (Eng. Abstr.) (Fre)
[Use, in craniology, of vectors for the demonstration of the degree of forehead and face inclination in the chimpanzee and present–day and fossilized man]. Krukoff S. **C R Seances Acad Sci [III]** 1981 May 11;292(17):969–74 (Eng. Abstr.) (Fre)
[Proposal for a new centering technique in sagittal cephalometry] Jalwan A. **Rev Odontostomatol (Paris)** 1981 Nov–Dec;10(6):457–65 (Fre)
[Cephalometry as a gauge of functional and esthetic balance in orthodontics] Vaugeois M, et al. **Rev Odontostomatol (Paris)** 1981 Jan–Feb;10(1):29–33 (Fre)
[The face: the importance of form for the esthetic concept] Levignac J. **An R Acad Nac Med (Madr)** 1981;98(2):311–26 (Spa)

BLOOD SUPPLY

Facial paleness [letter] Chapin JW, et al. **Anesth Analg (Cleve)** 1982 May;61(5):475
Ultrastructural features of the innervation and smooth muscle of the rabbit facial vein, and their relationship to function. Rowan RA, et al. **Circ Res** 1981 Nov;49(5):1140–51
Chlorpropamide–alcohol flushing and diabetes. Report of an international workshop, 13–14 June 1980, Washington, USA. Harris M, et al. **Diabetologia** 1981 Oct;21(4):422–4
Rosacea flushing. Bernstein JE. **Int J Dermatol** 1982 Jan–Feb; 21(1):24
An unusual complication following facial trauma. O'Brien CG. **Int J Oral Surg** 1981;10(Suppl 1):241–4
Facial vasodilation – blushing. Jawad F. **JPMA** 1982 Mar; 32(3):54–5
Aldehyde dehydrogenase deficiency as cause of facial flushing reaction to alcohol in Japanese [letter] Harada S, et al. **Lancet** 1981 Oct 31;2(8253):982
[Anatomy of the valve of vena facialis and vena angularis (author's transl)] Pi X. **Chung Hua Kou Chiang Ko Tsa Chih** 1981 Dec;16(4):193–4 (Chi)
[Anatomical study of different modes of anastomosis between the facial artery and ophthalmological artery at the medial angle of the orbit (author's transl)] Berthelot JL, et al. **Neurochirurgie** 1980;26(5):353–4 (Eng. Abstr.) (Fre)
[O.R.L. infections and craniofacial thrombophlebitis (author's transl] Perrin C, et al. **Rev Otoneuroophtalmol** 1981 Oct–Dec;53(5):445–52 (Eng. Abstr.) (Fre)
[A. palatina ascendens, origin, course and twigs (author's transl)] Lang J, et al. **HNO** 1981 Dec;29(12):391–6 (Eng. Abstr.) (Ger)
[Experimental studies on effects on grafted bone by means of transplantation of vessels in mandible of rabbits (author's transl)] Kawaguchi T. **Kokubyo Gakkai Zasshi** 1982 Mar; 49(1):119–42 (Eng. Abstr.) (Jpn)

EMBRYOLOGY

Development of the dentofacial complex. Ten Cate AR. **Dent Clin North Am** 1982 Jul;26(3):445–59
Active role of embryonic facial epithelium: new evidence of cellular events in morphogenesis. Millicovsky G, et al. **J Embryol Exp Morphol** 1981 Jun;63:53–66
Correlation between alterations in Meckel's cartilage and induction of cleft palate with beta–aminoproprionitrile in the rat. Diewert VM. **Teratology** 1981 Aug;24(1):43–52
[Face and mandible of human and cynomorph embryos] Olivier G, et al. **Bull Assoc Anat (Nancy)** 1981 Sep; 65(190):315–28 (Eng. Abstr.) (Fre)
[Effect of maternal deficiency of vitamin B6 on the cranio–dental structures of the rat offspring] Franquin JC, et al. **J Biol Buccale** 1981 Sep;9(3):219–42 (Eng. Abstr.) (Fre)

INNERVATION

Order in the developing rat trigeminal nerve. Erzurumlu RS, et al. **Brain Res** 1982 Feb;255(2):305–10
Multiple afferent innervation of primate facial hairs—Henry Head and Max von Frey revisited. Munger BL. **Brain Res** 1982 Mar;257(1):1–43
The vibrissal pad as a source of sensory information for the oculomotor system of the cat. Gogan P, et al. **Exp Brain Res** 1981;44(4):409–18
Somatosensory properties of globus pallidus neurons in awake cats. Schneider JS, et al. **Exp Brain Res** 1982; 46(2):311–4
Performance of complex arm and facial movements after focal brain lesions. Kolb B, et al. **Neuropsychologia** 1981; 19(4):491–503
Whisker patterns form in cultured non–innervated muzzle skin from mouse embryos. Andrés FL, et al. **Neurosci Lett** 1982 May 17;30(1):37–41
Fatigue in cat facial mechanoreceptors. Barker DJ, et al. **Neurosci Lett** 1982 May 28;30(2):117–22
[Our experience in endonasal rhino–neuro–microsurgery] Jovanovic M, et al. **Acta Otorhinolaryngol Belg** 1981; 35(1):74–6 (Fre)
[Responses of the primary somatosensory cortex to rhythmic stimulation of the vibrissae in the cat] Fomovskil BI. **Neirofiziologiia** 1982;14(2):164–71 (Eng. Abstr.) (Rus)

PATHOLOGY

[Perineural invasion in keratoacanthoma (author's transl)] Poiares Baptista A, et al. **Ann Dermatol Venereol** 1982; 109(1):27–33 (Eng. Abstr.) (Fre)
[Sturge–Weber disease: value of the topographic analysis of the facial angioma for the diagnosis of associated pial angioma (author's transl)] Dulac O, et al. **Arch Fr Pediatr** 1982 Mar;39(3):155–8 (Eng. Abstr.) (Fre)
[Peculiarities in the course of lymphocytic lymphoma] Heilmann E, et al. **Folia Haematol (Leipz)** 1982;109(2):230–5 (Eng. Abstr.) (Ger)

RADIOGRAPHY

Facial photoradiography: practical considerations. **Fanibunda KB**, et al. **J Audiov Media Med** 1981 Jul;4(3):95–8
[The Louisette technic. A review] Beziat JL, et al. **Rev Stomatol Chir Maxillofac** 1982;83(2–3):83–5 (Fre)
[Teleradiography and xerography in profile incidence] Bonneau E, et al. **Rev Stomatol Chir Maxillofac** 1982; 83(2–3):107–10 (Fre)
[Indirect lymphography at the eye and in the face– and neck–region with iotasul (author's transl)] Grüntzig J, et al. **ROFO** 1982 May;136(5):592–4 (Eng. Abstr.) (Ger)

SURGERY

A new method of dissection and transposition of the latissimus dorsi myocutaneous flap. Kenyeres M. **Acta Chir Plast (Prague)** 1982;24(1):19–27
Surgical technique of cervical lift and facial lipectomy. Connell BF. **Aesthetic Plast Surg** 1981;5(1):43–50
Importance of cervicomental complex treatment in rhytidoplasty. de Souza Pinto EB. **Aesthetic Plast Surg** 1981;5(1):69–75
Use of a stabilized, armored endotracheal tube in maxillofacial surgery. Beckers HL. **Anesthesiology** 1982 Apr;56(4):309–10
What are your considerations in the selection of implant material in maxillofacial surgery? **Ann Plast Surg** 1981 Dec; 7(6):501–4
Customized silicone rubber maxillofacial implants. **Bessette RW**, et al. **Ann Plast Surg** 1981 Dec;7(6):453–7
Skoog versus conventional rhytidectomy. Foerster DW. **Ann Plast Surg** 1982 Jun;8(6):517–22
Facial reconstruction in partial lipodystrophy. **Hurwitz PJ**, et al. **Ann Plast Surg** 1982 Mar;8(3):253–7
Amniotic membranes as dressings following facial dermabrasion. Kucan JO, et al. **Ann Plast Surg** 1982 Jun; 8(6):523–7
The team approach in orofacial management. Mason RM, et al. **Ann Plast Surg** 1982 Jan;8(1):71–8
The forehead–brow lift. Riefkohl R. **Ann Plast Surg** 1982 Jan;8(1):55–63
A composite hair–bearing and non–hair–bearing sideburn flap. Sachs ME, et al. **Ann Plast Surg** 1981 Oct;7(4):295–7
The omentum: its use as a free vascularized graft for reconstruction of the head and neck. Jurkiewicz MJ, et al. **Ann Surg** 1982 Jun;195(6):756–65
The frontalis nerve in the temporal brow lift. **Liebman EP**, et al. **Arch Otolaryngol** 1982 Apr;108(4):232–5
Male and female face–lift incisions. Webster RC, et al. **Arch Otolaryngol** 1982 May;108(5):299–302
A simple face–lift manoeuvre. McGregor IA. **Br J Plast Surg** 1981 Oct;34(4):485
Craniofacial surgical techniques for aesthetic results in congenital and acute traumatic deformities. Munro IR. **Clin Plast Surg** 1981 Apr;8(2):303–16
Aesthetic aspects of microsurgery: composite tissue transfer to the face. Taylor GI, et al. **Clin Plast Surg** 1981 Apr; 8(2):333–48
Aesthetic aspects of bone grafting to the face. **Tessier P. Clin Plast Surg** 1981 Apr;8(2):279–301
Surgical gem Telltale markings. Popkin G. **J Dermatol Surg Oncol** 1982 Mar;8(3):174–5
Cosmetic surgery. I: Face–lift. Graham JK. **J La State Med Soc** 1981 Nov;133(11):174–6
Facial and submandibular lipectomy with upward rhytidectomy. Regnault P. **J Maxillofac Surg** 1981 Nov; 9(4):247–52
Deliberate hypotension for elective major maxillofacial surgery: a balance halothane and morphine technique. Washburn MC, et al. **J Maxillofac Surg** 1982 Feb;10(1):50–5
Surgical correction of the dentofacial abnormality in Hallermann–Streiff syndrome. Patterson GT, et al. **J Oral Maxillofac Surg** 1982 Jun;40(6):380–4
Revision of facial scars with geometric broken line closure. Wessberg GA, et al. **J Oral Maxillofac Surg** 1982 Aug; 40(8):492–6
Sex differences in motives for and outcomes of orthognathic surgery. Kiyak HA, et al. **J Oral Surg** 1981 Oct; 39(10):757–64
Facelift surgery. Dmytryshyn JR. **J Otolaryngol** 1981 Jun; 10(3):177–80
Use of the fascial plane system in the facelift operation. Ellis DA, et al. **J Otolaryngol** 1981 Jun;10(3):171–6
Comparison of SMAS plication with SMAS imbrication in face lifting. Webster RC, et al. **Laryngoscope** 1982 Aug;92(8 Pt 1):901–12
Symposium on plastic surgery of the face. **Otolaryngol Clin North Am** 1982 Feb;15(1):1–254
Rhytidoplasty. Cameron RR. **Otolaryngol Clin North Am** 1982 Feb;15(1):195–207
Local skin flaps in facial reconstruction. McGregor IA. **Otolaryngol Clin North Am** 1982 Feb;15(1):77–98
Technical aspects of facial contouring using polyamide mesh. Stucker FJ Jr, et al. **Otolaryngol Clin North Am** 1982 Feb; 15(1):123–31
The autoalloplast—an alternative in facial implantation. Stucker FJ Jr, et al. **Otolaryngol Clin North Am** 1982 Feb; 15(1):161–8
Scar revision and camouflaging. Webster RC, et al. **Otolaryngol Clin North Am** 1982 Feb;15(1):55–68
Methods of shortening the operative time of a total face–lift. Dicker RL. **Otolaryngol Head Neck Surg** 1981 Jul–Aug;

89(4):689–93
Proplast [letter] Freeman BS. **Plast Reconstr Surg** 1982 May; 69(5):902–3
Craniofacial surgery: an opportunity for patients and plastic surgery [editorial] Goldwyn RM. **Plast Reconstr Surg** 1982 May;69(5):852–3
Free latissimus dorsi muscle flap with split-thickness skin graft cover: a report of 16 cases. Gordon L, et al. **Plast Reconstr Surg** 1982 Aug;70(2):173–8
Method for immediate measurement of skin removed during rhytidectomies. Lewis CM. **Plast Reconstr Surg** 1982 Apr; 69(4):614–9
Camouflage of the postauricular scar in rhytidectomy. McKinney P, et al. **Plast Reconstr Surg** 1982 Feb; 69(2):352–5
Intraoperative measurements in cosmetic surgery of the face. Tegtmeier RE. **Plast Reconstr Surg** 1981 Oct;68(4):608–10
The use of the pectoralis major myocutaneous island flap for reconstruction after major ablative head and neck surgery. Gregor RT. **S Afr Med J** 1982 May 22; 61(21):788–92
The Pietermaritzburg craniofacial unit. Losken HW, et al. **S Afr Med J** 1982 Aug 7;62(7):203–6
An evaluation of lysine acetylsalicylate as an analgesic in maxillofacial surgery. Velzeboer SJ. **S Afr Med J** 1982 Jul 24;62(4):135–6
Cosmetic surgical procedures for the aging face. Owsley JQ Jr. **West J Med** 1982 Mar;136(3):203–10
[Use of pectoralis major myocutaneous flap in head and neck defect (author's transl)] Wang GH. **Chung Hua Kou Chiang Ko Tsa Chih** 1982;17(1):23–6 **(Chi)**
[Operative treatment of facial pockmarks resulting from smallpox report of 7 cases (author's transl)] Dong SF. **Chung Hua Wai Ko Tsa Chih** 1982 Apr;20(4):238–9 (Eng. Abstr.) **(Chi)**
[Compatibility between primary cranial surgery and secondary cranio-facial surgery (author's transl)] Tessier P. **Neurochirurgie** 1981;27(2):103–13 (Eng. Abstr.) **(Fre)**
[Silicone rubber addition or subtraction moulage: an orientation guide in profile-altering facial operations] Fritzemeier CU. **Dtsch Zahnarztl Z** 1982 Apr;37(4):361–4 (Eng. Abstr.) **(Ger)**
[Plastic surgery workshop: errors and risks in using free transplants and implants in the facial area] **HNO** 1982 Apr; 30(4):131–58 **(Ger)**
[Clinical experiences with a standardized balanced diet in maxillo-facial surgery] Bünger B. **Infusionsther Klin Ernahr** 1981 Aug;8(4):184–8 (Eng. Abstr.) **(Ger)**
[Experiences with regional plastic-reconstructive measures in the facial area] Nischwitz AS. **Z Arztl Fortbild (Jena)** 1981 Jul 1;75(13):573–6 **(Ger)**
[Complications in face lifting] Zellner PR, et al. **Z Plast Chir** 1981 Dec;5(4):234–40 (Eng. Abstr.) **(Ger)**
[Covering of face defects by local pedicle flaps (author's transl)] Andrä A. **Zahn Mund Kieferheilkd** 1981;69(3):193–9 (Eng. Abstr.) **(Ger)**

FACIAL ASYMMETRY

Asymmetries in face processing: evidence for a right hemisphere perceptual advantage. Hay DC. **Q J Exp Psychol [A]** 1981 Aug;33(Pt 3):267–74

COMPLICATIONS

[Facial asymmetry syndrome during crying associated with other abnormalities] Hroboňová V, et al. **Cesk Pediatr** 1982 Jan;37(1):30–2 (Eng. Abstr.) **(Cze)**

CONGENITAL

Extreme upper airway obstruction with the Marshall syndrome. LaPenna R, et al. **Clin Pediatr (Phila)** 1982 Aug; 21(8):507–10
[Facial asymmetry upon crying. Electromyographic study of 18 newborn infants] Renault F, et al. **Electrodiagn Ther** 1981;18(2):59–70 **(Fre)**
[Clinical significance of congenital unilateral hypoplasie of m. triangularis and m. quadratus labii inferior (author's transl)] Kaemmerer E. **Nervenarzt** 1981 Aug;52(8):481–3 **(Ger)**

ETIOLOGY

[Hypercondylia and lateral deviations of the mandible (author's transl)] Smatt V, et al. **Ann Otolaryngol Chir Cervicofac** 1981;98(10–11):557–61 (Eng. Abstr.) **(Fre)**

FAMILIAL & GENETIC

Duplication 15q22 to 15qter and its phenotypic expression. Gregoire MJ, et al. **Hum Genet** 1981;59(4):429–33

PSYCHOLOGY

Asymmetries for hemiface size and mobility. Koff E, et al. **Neuropsychologia** 1981;19(6):825–30

RADIOGRAPHY

Radiology of the asymmetrical face. Fitz CR. **Scand J Plast Reconstr Surg** 1981;15(3):205–10
Radiological evaluation of craniofacial anomalies. Fitz CR. **Scand J Plast Reconstr Surg** 1981;15(3):199–204

SURGERY

A viable treatment alternative for hemifacial microsomia. Case report. Carlotti AE Jr. **J Maxillofac Surg** 1981 Aug; 9(3):176–9
Bony chin reconstruction. Giguere P. **J Otolaryngol** 1982 Feb;11(1):3–8
Congenital craniofacial asymmetry: early treatment. Whitaker LA, et al. **Scand J Plast Reconstr Surg** 1981; 15(3):227–33
[Surgical treatment methods in the 1st and 2d branchial arch syndrome] Iarchuk NI, et al. **Vestn Khir** 1981 Jul; 127(7):105–9 (Eng. Abstr.) **(Rus)**

FACIAL BONES

Effects of meningiomas on the facial skeleton. Papavasiliou A, et al. **Arch Otolaryngol** 1982 Apr;108(4):255–7
Familial osteodysplasia. Schendel SA, et al. **Head Neck Surg** 1982 Mar–Apr;4(4):335–43
Fibrous dysplasia of the facial bones and mandible. Sherman NH, et al. **Skeletal Radiol** 1982;8(2):141–3
[Signs of malignancy in oral and maxillofacial bone pathology] Rouchon C. **Actual Odontostomatol (Paris)** 1982;137:49–54 **(Fre)**

ABNORMALITIES

Fronto-facio-nasal dysostosis – a new autosomal recessive syndrome [letter] Gollop TR. **Am J Med Genet** 1981; 10(4):409–12
Pathology and treatment of nasoschizis. Van der Meulen JC, et al. **Ann Plast Surg** 1982 Jun;8(6):474–85
Frontonasal dysplasia as an expression of holoprosencephaly. Roubicek M, et al. **Eur J Pediatr** 1981 Oct;137(2):229–31
Unilateral odontodysplasia with ipsilateral hypoplasia of the mid-face. A case report. Schmid-Meier E. **J Maxillofac Surg** 1982 May;10(2):119–22
Symposium on craniofacial anomalies. **Otolaryngol Clin North Am** 1981 Nov;14(4):761–1017
Form, function, growth, and craniofacial surgery. Aduss H. **Otolaryngol Clin North Am** 1981 Nov;14(4):783–825 (90 ref.)
Craniofacial anomalies: a perspective for the otolaryngologist. Caldarelli DD. **Otolaryngol Clin North Am** 1981 Nov;14(4):763–7
Perspectives on care: the interdisciplinary team approach. Day DW. **Otolaryngol Clin North Am** 1981 Nov; 14(4):769–75
Classification, etiology, and genetic aspects of craniofacial anomalies. Kaye CI. **Otolaryngol Clin North Am** 1981 Nov; 14(4):827–64
Radiology of the craniofacial anomalies. Mafee MF, et al. **Otolaryngol Clin North Am** 1981 Nov;14(4):939–88 (62 ref.)
Impact of communicative disorders on otolaryngologic care of patients with craniofacial anomalies. Peterson-Falzone SJ. **Otolaryngol Clin North Am** 1981 Nov;14(4):895–915
[Anterior vertical excess of the inferior third of the face, and genioplasty] Tulasne JF, et al. **Ann Chir Plast** 1981; 26(4):332–6 (Eng. Abstr.) **(Fre)**
[Bone dysplasias of the face. Apropos of 2 cases, one of them in a hard of hearing patient with ossicular malformation] Claux J, et al. **J Fr Otorhinolaryngol** 1981 Oct;30(8):489–91 **(Fre)**

ANATOMY & HISTOLOGY

Reliability of soft tissue profile analysis in children. Fields HW, et al. **Angle Orthod** 1982 Apr;52(2):159–65
Changes in human face breadth since the Mediaeval period in Britain. Goose DH. **Arch Oral Biol** 1981;26(9):757–8
Axial cross-sectional anatomy of the human head. Gibbs SJ. **Dent Radiogr Photogr** 1981;54(3):41–63

GROWTH & DEVELOPMENT

Adolescent midfacial growth in Macaca nemestrina and Papio cynocephalus. Orlosky FJ. **Hum Biol** 1982 Feb; 54(1):23–9

INJURIES

Panoramic zonography of facial fractures [letter] Azouz EM. **AJR** 1982 Mar;138(3):596
Facial fractures. Black JM, et al. **Am J Nurs** 1982 Jul; 82(7):1086–8
Post-traumatic disorders of the jaw joint. Norman JE. **Ann R Coll Surg Engl** 1982 Jan;64(1):27–36
Fractures of the facial bones in the eastern region of Libya. Khalil AF, et al. **Br J Oral Surg** 1981 Dec;19(4):300–4
Surgical correction of facial fractures. Weinberg S. **Dent Clin North Am** 1982 Jul;26(3):631–58
Skull radiology in patients with facial trauma. Moilanen A. **Int J Oral Surg** 1982 Apr;11(2):89–95
Bone fixation with screws and plates in the maxillo-facial region. Schilli W, et al. **Int J Oral Surg** 1981;10(Suppl 1):329–32
A pattern of facial fractures in Greece. Spengos MN, et al. **Int J Oral Surg** 1981;10(Suppl 1):248–54
Fabrication of a head frame for the treatment of facial fractures. Carlton DM Jr, et al. **J Oral Maxillofac Surg** 1982 Feb;40(2):111–2
Computed tomography for the diagnosis of facial fractures. Fujii N, et al. **J Oral Surg** 1981 Oct;39(10):735–41
Intracranial aerocele in facial injury. Pitt TT. **Med J Aust** 1982 Jun 12;1(12):499–502
Optic nerve blindness following blunt forehead trauma. Anderson RL, et al. **Ophthalmology (Rochester)** 1982 May; 89(5):445–55
Naso-orbital fractures, complications, and treatment. Beyer CK, et al. **Ophthalmology (Rochester)** 1982 May; 89(5):456–63
Current treatment of blow-out fractures. Wilkins RB, et al. **Ophthalmology (Rochester)** 1982 May;89(5):464–6
Facial bone fractures in children. Fortunato MA, et al. **Oral Surg** 1982 Mar;53(3):225–30
Diabetes insipidus associated with facial fractures. Report of a case. Zachariades N, et al. **Oral Surg** 1982 Feb; 53(2):141–3
The superior orbital fissure syndrome. Review of the literature and report of a case. Zachariades N. **Oral Surg** 1982 Mar;53(3):237–40
Computerized tomographic scan findings in facial fractures associated with blindness. Manfredi SJ, et al. **Plast Reconstr Surg** 1981 Oct;68(4):479–90
[Fronto-orbito-nasal dislocations. Treatment of sequelae] Merville LC, et al. **Ann Chir Plast** 1981;26(4):319–31 (Eng. Abstr.) **(Fre)**
[Traumatic lesions of the facial bones in children] Bourdiniere J, et al. **J Fr Otorhinolaryngol** 1982 Feb;31(2):81–90 (Eng. Abstr.) **(Fre)**
[Classification and grading of facial skull fractures (author's transl)] Schroeder HG, et al. **HNO** 1982 May;30(5):174–9 (Eng. Abstr.) **(Ger)**
[One-stage reconstruction of intraorbital fractures by means of plate osteosynthesis (author's transl)] Georgi W, et al. **Laryngol Rhinol Otol (Stuttg)** 1982 Jul;61(7):392–8 (Eng. Abstr.) **(Ger)**

PATHOLOGY

Congenital hemihypertrophy: oncogenic potential of the hypertrophic side. Furukawa T, et al. **Ann Neurol** 1981 Aug;10(2):199–201
A bizarre manifestation of polyostotic fibrous dysplasia of the facial bones. Robertson GR. **Int J Oral Surg** 1981; 10(Suppl 1):47–51
[Onchocerciasis and pseudo-neoplastic eosinophil granuloma of the facial bones (author's transl)] Gandon J, et al. **Ann Otolaryngol Chir Cervicofac** 1981;98(9):457–9 (Eng. Abstr.) **(Fre)**
[Reticulohistiocytosis in children] Simanovskaia EIu, et al. **Stomatologiia (Mosk)** 1981 Nov–Dec;60(6):13–5 (Eng. Abstr.) **(Rus)**
[Forensic medical method of studying the facial skeleton in trauma] Mishchenko ZhD. **Sud Med Ekspert** 1981 Jul–Aug; 24(3):51–2 **(Rus)**

RADIOGRAPHY

Tomorex (curved rotational tomography apparatus) in experimental and clinical practice. Shinozima M, et al. **Oral Surg** 1982 Jan;53(1):94–110
[The author's design of equipment for telerentgenography (author's transl)] July J, et al. **Cesk Radiol** 1982 Mar; 36(2):133–6 (Eng. Abstr.) **(Cze)**
[Dental lesions and cranio-facial pathology] Cavezian R, et al. **Actual Odontostomatol (Paris)** 1981;(134):225–36 (Eng. Abstr.) **(Fre)**
[Dynamic computer tomographic for tumours of the facial skeleton (author's transl)] Claussen C, et al. **ROFO** 1982 Feb;136(2):144–50 (Eng. Abstr.) **(Ger)**
[Polyostotic fibrous dysplasia of bone with Paget — like changes of the skull and facial bones — radiological features and diagnostic problems (author's transl)] Wolf W, et al. **Rontgenblatter** 1982 Feb;35(2):70–3 (Eng. Abstr.) **(Ger)**

RADIONUCLIDE IMAGING

[Value of bone scintigraphy in the diagnosis of maxillofacial diseases] Seguin P, et al. **Rev Stomatol Chir Maxillofac** 1982;83(2–3):159–62 **(Fre)**

SURGERY

Reconstruction of facial deformities with alloplastic material. Schultz RC. **Ann Plast Surg** 1981 Dec;7(6):434–46
Craniofacial surgery. Munro IR. **Cleft Palate J** 1982 Jan; 19(1):72–3
Disimpaction splint for midfacial advancement surgery. Wessberg GA, et al. **J Oral Maxillofac Surg** 1982 Sep; 40(9):607
Bony chin reconstruction. Giguere P. **J Otolaryngol** 1982 Feb;11(1):3–8
Preliminary report on the application of the CO2 laser scalpel for operations on the maxillo-facial bones. Pao-Chang M, et al. **Lasers Surg Med** 1981;1(4):375–84
Craniofacial surgery: an opportunity for patients and plastic surgery [editorial] Goldwyn RM. **Plast Reconstr Surg** 1982 May;69(5):852–3
Split-rib grafts in craniofacial surgery [letter] Marchac D. **Plast Reconstr Surg** 1982 Mar;69(3):566–7
Facial skeletal contouring for aesthetic purposes. Whitaker LA, et al. **Plast Reconstr Surg** 1982 Feb;69(2):245–53
[Enlargement of the piriform aperture] Cornette de Saint-Cyr B, et al. **Ann Chir Plast** 1981;26(3):276–9 (Eng. Abstr.) **(Fre)**

[Osteoplasty and defect bridging on the visceral cranium with a new biocement substance. Animal experiment results] Raveh J, et al. **Dtsch Zahnarztl Z** 1982 Jun;37(6):498–508 (Eng. Abstr.) **(Ger)**

[Artificial bone (tricalcium phosphate) in facial surgery (author's transl)] Walter C, et al. **Laryngol Rhinol Otol (Stuttg)** 1982 Jul;61(7):354–60 (Eng. Abstr.) **(Ger)**

[Preliminary experiences with the lateral canthal advancement of the supraorbital margin (author's transl)] Kaiser G. **Z Kinderchir** 1982 Mar;35(3):83–5 (Eng. Abstr.) **(Ger)**

FACIAL DERMATOSES

Facial keloids and their management. Moreno FG, et al. **Ear Nose Throat J** 1981 Nov;60(11):519–21

CHEMICALLY INDUCED

Chlorpropamide–alcohol flushing and blood kinins. Jerntorp P, et al. **Acta Med Scand [Suppl]** 1981;656:37–8

Chlorpropamide–alcohol flushing in relation to macroangiopathy and peripheral neuropathy in non–insulin dependent diabetes. Jerntorp P, et al. **Acta Med Scand [Suppl]** 1981;656:33–6

Spinal Opiate analgesia and facial pruritus [letter] Fischer HB, et al. **Anaesthesia** 1982 Jul;37(7):777–8

Perioral dermatitis in renal transplant recipients maintained on corticosteroids and immunosuppressive therapy. Adams SJ, et al. **Br J Dermatol** 1982 May;106(5):589–92

Recurrent facial eczema in females due to 'strike anywhere' matches. Steele MC, et al. **Br J Dermatol** 1982 Apr; 106(4):477–9

Facial dermatitis from allyl phenoxyacetate in a dry carpet shampoo. Taylor AE, et al. **Contact Dermatitis** 1982 Jan; 8(1):70

Allergic dermatitis from Viru–Merz ointment, tromantadine hydrochloride and serol base. Van Ketel WG. **Contact Dermatitis** 1982 Jan;8(1):71

Chromium in welding fumes. Zugerman C. **Contact Dermatitis** 1982 Jan;8(1):69–70

Riehl's melanosis. rorsman H. **Int J Dermatol** 1982 Mar; 21(2):75–8

[Facial pomade crust] Landes E. **Hautarzt** 1981 Aug; 32(8):432–3 (Eng. Abstr.) **(Ger)**

[Neurotrophic ulcerations in the trigeminal region] Sorger E, et al. **Hautarzt** 1981 Aug;32(8):423–4 (Eng. Abstr.) **(Ger)**

DIAGNOSIS

Haber's syndrome or Dowling–Degos disease? [letter] Crovato F, et al. **Arch Dermatol** 1982 Apr;118(4):214

Perioral pustular eruption caused by Candida albicans. Brandrup F, et al. **Br J Dermatol** 1981 Sep;105(3):327–9

Warty dyskeratoma. Niren NM, et al. **Cutis** 1982 Jan; 29(1):79–81, 94

[Perioral dermatitis (author's transl)] Semrádová V. **Cesk Dermatol** 1982 Apr;57(2):67–73 (Eng. Abstr.) **(Cze)**

[Paracoccidioidomycosis in children. Report on 2 patients] Castro RM, et al. **Hautarzt** 1981 Aug;32(8):420–2 (Eng. Abstr.) **(Ger)**

[Cutaneous changes combining features of Kimura's disease and Ofuji's disease (folliculitis pustulosa eosinophilica). A new disease entity?] Kudejko J, et al. **Przegl Dermatol** 1981 Jul–Aug;68(4):487–95 (Eng. Abstr.) **(Pol)**

[Inflammatory changes associated with eosinophilia, combining features of kimura's and Ofuji's diseases] Kudejko J. **Przegl Dermatol** 1981 Jul–Aug;68(4):497–502 (Eng. Abstr.) **(Pol)**

DRUG THERAPY

Facial granuloma responsive to dapsone therapy. Guill MA, et al. **Arch Dermatol** 1982 May;118(5):332–5

Facial granuloma in a patient treated with clofazimine. Jacyk WK. **Arch Dermatol** 1981 Sep;117(9):597–8

A hydroquinone solution in the treatment of melasma. Sánchez JL, et al. **Int J Dermatol** 1982 Jan–Feb;21(1):55–8

Fixed cutaneous sporotrichosis of the face. Successful treatment of a case review of the literature. Dellatorre DL, et al. **J Am Acad Dermatol** 1982 Jan;6(1):97–100

Histiocytosis X with unusual facial and axillary ulceration responding to topical nitrogen mustard. Goodfellow A, et al. **J R Soc Med** 1982 Apr;75(4):279–81

ETIOLOGY

Contact dermatitis to estradiol benzoate. Ljunggren B. **Contact Dermatitis** 1981 May;7(3):141–4

Pigmented cosmetic dermatitis from contact allergy to a toilet soap containing chromium. Mathias CG. **Contact Dermatitis** 1982 Jan;8(1):29–31

Contact dermatitis from a cigarette constituent. Neild V. **Contact Dermatitis** 1981 May;7(3):153–4

Facial rash in visual display unit operators. Nilsen A. **Contact Dermatitis** 1982 Jan;8(1):25–8

Dermatitis from Eusolex 8021 sunscreen agent in a cosmetic. Woods B. **Contact Dermatitis** 1981 May;7(3):168

Herpes simplex: an unusual presentation. Edwards EK Jr, et al. **Cutis** 1982 Mar;29(3):243–4

Healing of recalcitrant facial dermatitis by resting the skin. Gaul LE. **Cutis** 1981 Aug;28(2):212–4

Accidental oculofacial vaccinia. Dilmen U, et al. **Turk J Pediatr** 1982 Jan–Mar;24(1):49–51

[Toothpaste in an epicutaneous test (author's transl)] Kvíčalová E, et al. **Cesk Dermatol** 1981 Dec;56(6):374–6 (Eng. Abstr.) **(Cze)**

FAMILIAL & GENETIC

[Atrophodermia vermiculata vera (author's transl)] Pullmann H, et al. **Z Hautkr** 1981 Nov 15;56(22):1473–7 (Eng. Abstr.) **(Ger)**

MICROBIOLOGY

[Sycosis of the beard (tinea barbae). Analysis of 42 cases] De Lacerda MH, et al. **Med Cutan Iber Lat Am** 1981; 9(3):161–78 (Eng. Abstr.) **(Por)**

PATHOLOGY

Pyoderma faciale: a clinical study of twenty-nine patients. Massa MC, et al. **J Am Acad Dermatol** 1982 Jan;6(1):84–91

Painfui, ulcerated lesions of the palate and facial skin. Correll RW, et al. **J Am Dent Assoc** 1981 Oct;103(4):610

Unusual aspects of febrile neutrophilic dermatosis (Sweet's syndrome). Case reports. Leibowitz MR, et al. **S Afr Med J** 1982 Sep 4;62(11):375–8

[A histology study of perioral and rosaceiform dermatitis (author's transl)] Bureš P, et al. **Cesk Dermatol** 1981 Aug; 56(4):247–51 (Eng. Abstr.) **(Cze)**

[Chronic erythematous oedema of the upper face (Degos). Morbihan disease (author's transl)] Laugier P, et al. **Ann Dermatol Venereol** 1981;108(6–7):507–63 (Eng. Abstr.) **(Fre)**

[Histopathologic study of perioral dermatitis] Ramelet AA, et al. **Dermatologica** 1981;163(5):361–9 (Eng. Abstr.) **(Fre)**

SURGERY

Treatment of facial lesions of tuberous sclerosis [letter] Jawad WM, et al. **Clin Exp Dermatol** 1981 May;6(3):345–6

[Surgical drainage of facial cellulitis with spreading tendency. Application of the suction irrigation method on two different cases (author's transl)] Marx O, et al. **Rev Stomatol Chir Maxillofac** 1981;82(5):314–7 (Eng. Abstr.) **(Fre)**

FACIAL EXPRESSION

Production and perception of facial expressions in infancy and early childhood. Field TM, et al. **Adv Child Dev Behav** 1982;16:169–211 (70 ref.)

Facial expression in acute appendicitis [letter] Nicholas JL. **Ann R Coll Surg Engl** 1982 Sep;64(5):356

Facial expression in acute appendicitis. Odom NJ. **Ann R Coll Surg Engl** 1982 Jul;64(4):260–1

Analysis of facial displays and verbal report to assess subjective state in the non–invasive detection of limbic system activation by procaine hydrochloride. Stark–Adamec C, et al. **Behav Brain Res** 1982 Jan; 4(1):77–94

Hemisphericity, expressivity and autonomic arousal. Newlin DB. **Biol Psychol** 1981 Feb;12(1):13–23

Facial expressions can be modelled mathematically. Thornton M, et al. **Br J Psychiatry** 1982 Jan;140:61–3

Asymmetries in moving faces. Campbell R. **Br J Psychol** 1982 Feb;73(Pt 1):95–103

Asymmetry of facial expression related to handedness, footedness, and eyedness: a quantitative study. Borod JC, et al. **Cortex** 1981 Oct;17(3):381–90

William syndrome. Dhareshwar SS, et al. **Indian J Pediatr** 1981 Mar–Apr;48(391):183–8

The relationship between expressed and experienced emotion in depression. Brown SL. **Int J Psychiatry Med** 1982; 12(1):29–41

The Larsen syndrome with multiple congenital dislocations and a normal facies. Samuel AW, et al. **Int Orthop** 1981; 5(3):229–32

Discrimination of the age of adolescent females on the basis of facial cues. McAnarney ER, et al. **J Adolesc Health Care** 1981 Mar;1(3):213–6

The meaning of infant emotional expressions: regularities in caregiving responses in normal and Down's syndrome infants. Sorce JF, et al. **J Child Psychol Psychiatry** 1982 Apr;23(2):145–58

Intermodal perception of expressive behaviors by human infants. Walker AS. **J Exp Child Psychol** 1982 Jun; 33(3):514–35

Facial, autonomic, and subjective components of emotion: the facial feedback hypothesis versus externalizer–internalizer distinction. Zuckerman M, et al. **J Pers Soc Psychol** 1981 Nov;41(5):929–44

Sex differences in asymmetry in the facial expression of emotion. Alford R, et al. **Neuropsychologia** 1981; 19(4):605–8

Asymmetry in positive and negative facial expressions: sex differences. Borod JC, et al. **Neuropsychologia** 1981; 19(6):819–24

Asymmetry of facial expression in brain damaged subjects. Bruyer R. **Neuropsychologia** 1981;19(4):615–24

Asymmetries for hemiface size and mobility. Koff E, et al. **Neuropsychologia** 1981;19(6):825–30

Observations on spontaneous facial expression after focal cerebral excisions and after intracarotid injection of sodium amytal. Kolb B, et al. **Neuropsychologia** 1981;19(4):505–14

Asymmetries in spontaneous facial expressions and their possible relation to hemispheric specialization. Moscovitch M, et al. **Neuropsychologia** 1982;20(1):71–81

Differential contributions of the two cerebral hemispheres to the perception of happy and sad faces. Reuter–Lorenz P, et al. **Neuropsychologia** 1981;19(4):609–13

Young children's ability to conserve facial identity when facial emotion varies. Norbeck JS. **Nurs Res** 1981 Nov–Dec;30(6):329–33

Perception and memory of facial affect following brain injury. Prigatano GP, et al. **Percept Mot Skills** 1982 Jun; 54(3):859–69

Relation of facial expressions and activities: a study of attensity differences in events. Shapiro BA. **Percept Mot Skills** 1982 Jun;54(3 Pt 2):1199–211

Affective behavior in patients with localized cortical excisions: role of lesion site and side. Kolb B, et al. **Science** 1981 Oct 2;214(4516):89–91

[The head as the distinguishing feature of the individual] Kretschmer W. **ZFA (Stuttgart)** 1982 Mar 10;58(7):357–60 **(Ger)**

[The Williams elfin face syndrome. Considerations on a case] Trucchi G, et al. **Minerva Pediatr** 1982 Mar 15;34(5):225–8 (Eng. Abstr.) **(Ita)**

FACIAL HEMIATROPHY

COMPLICATIONS

[Treatment of cross–bite in a patient with facial hemiatrophy] Smiech–Słomkowska G, et al. **Pol Tyg Lek** 1981 Mar 9; 36(10):391–2 (Eng. Abstr.) **(Pol)**

DIAGNOSIS

Facial hemiatrophy, a case report. Sharma NK, et al. **J Assoc Physicians India** 1981 Jun;29(6):503–5

PATHOLOGY

Progressive facial hemiatrophy (Parry–Romberg syndrome). Egan A, et al. **Ir J Med Sci** 1981 Oct;150(10):314–5

RADIOGRAPHY

Progressive hemifacial atrophy: report of three cases, including one observed over 43 years, and computed tomographic findings. Asher SW, et al. **Arch Neurol** 1982 Jan;39(1):44–6

SURGERY

Reconstruction in Romberg's disease with free groin flap. Harashina T, et al. **Ann Plast Surg** 1981 Oct;7(4):289–94

The reconstruction of progressive facial hemi–atrophy by free vascularised dermis–fat flaps. Shintomi Y, et al. **Br J Plast Surg** 1981 Oct;34(4):398–409

[Treatment of progressive hemifacial atrophy by the microsurgical transference of a free dermofatty flap] Ferreira MC, et al. **AMB** 1981 Jun;27(6):187–9 (Eng. Abstr.) **(Spa)**

FACIAL INJURIES

[Acquired malformations of the face in the adult. Problems in anesthesia and recovery] Cathelin M, et al. **Ann Anesthesiol Fr** 1981;22(6):546–50 **(Fre)**

[The face and assault rifles (author's transl)] Pons J. **Chirurgie** 1981;107(8):639–43 (Eng. Abstr.) **(Fre)**

CHEMICALLY INDUCED

Respiratory obstruction of unusual origin. An unexpected hazard of leisure–time activity. Hine I. **Anaesthesia** 1982 Aug;37(8):825–6

COMPLICATIONS

An unusual complication following facial trauma. O'Brien CG. **Int J Oral Surg** .981;10(Suppl 1):241–4

Atypical Brown–Sequard syndrome following gunshot wound to the face. Saxon M, et al. **J Oral Maxillofac Surg** 1982 May;40(5):299–302

Differentiating traumatic from nontraumatic retinal detachment. Goffstein R, et al. **Ophthalmology (Rochester)** 1982 Apr;89(4):361–8

Sudden blindness following facial trauma. Panje WR, et al. **Otolaryngol Head Neck Surg** 1981 Nov–Dec;89(6):941–8

Posttraumatic parotid pseudocyst with hyperamylasemia. Westreich M, et al. **Plast Reconstr Surg** 1982 Jun; 69(6):1002–6

[Lesion of the ductus parotideus. A complication in face injuries (author's transl)] Foitzik C, et al. **Unfallheilkunde** 1982 Jun;85(6):257–60 (Eng. Abstr.) **(Ger)**

[Malignant angioendothelioma] Garcia e Silva L, et al. **Acta Med Port** 1981 Jan–Feb;3(1):51–6 (Eng. Abstr.) **(Por)**

[Post–traumatic bilateral naso–ethmoidal mucocele] Grigoriu V, et al. **Rev Chir [Otorinolaringol]** 1981 Oct–Dec; 26(4):309–12 (Eng. Abstr.) **(Rum)**

DIAGNOSIS

Two child abuse/child neglect examinations for the dentist. Kittle PE, et al. **ASDC J Dent Child** 1981 May–Jun;

48(3):175–80

ETIOLOGY

Facial burns due to fan heater [letter] Morfitt JM. **Br Med J [Clin Res]** 1982 Jan 2;284(6308):52–3
Some 'sporting' injuries. Kendrick RW. **Int J Oral Surg** 1981; 10(Suppl 1):245–7
[Trauma resulting from tug-of-war] Ferguson A, et al. **Ugeskr Laeger** 1981 Sep 7;143(37):2354 (Eng. Abstr.) **(Dan)**

OCCURRENCE

Major facial trauma--the effect of legislation. Ellis DA, et al. **J Otolaryngol** 1981 Aug;10(4):255–60
The incidence of hospital-treated facial injuries from vehicles. Karlson TA. **J Trauma** 1982 Apr;22(4):303–10

PATHOLOGY

[Forensic medical method of studying the facial skeleton in trauma] Mishchenko ZhD. **Sud Med Ekspert** 1981 Jul–Aug; 24(3):51–2 **(Rus)**
[Combined injury to the brain, paranasal sinuses, nose, orbit and masticatory apparatus] Petushkov EV, et al. **Vestn Otorinolaringol** 1981 Sep–Oct;(5):72–3 **(Rus)**

PREVENTION & CONTROL

Racquetball. A game with preventable injuries. Soderstrom CA, et al. **Am J Sports Med** 1982 May–Jun;10(3):180–3

RADIOGRAPHY

Angiography in the diagnosis and management of maxillofacial missile wounds. Sydlar GC, et al. **J Oral Surg** 1981 Oct;39(10):786–91
Skeletal trauma from chain-saw injuries. Verow PW. **J Trauma** 1982 Apr;22(4):320–2
Computed tomography in facial trauma. Zilkha A. **Radiology** 1982 Aug;144(3):545–8

REHABILITATION

Anna Coleman Ladd: maker of masks for the facially mutilated. Romm S, et al. **Plast Reconstr Surg** 1982 Jul; 70(1):104–11

SURGERY

Arterial forehead flaps in reconstructive surgery of the face. Mariš F. **Acta Chir Plast (Prague)** 1981;23(4):206–15
One-stage reconstruction of a massive gun-shot wound of the lower face with a local compound osteo-musculocutaneous flap. Landra AP. **Br J Plast Surg** 1981 Oct;34(4):395–7
Craniofacial surgical techniques for aesthetic results in congenital and acute traumatic deformities. Munro IR. **Clin Plast Surg** 1981 Apr;8(2):303–16
The forearm flap. Song R, et al. **Clin Plast Surg** 1982 Jan; 9(1):21–6
The upper arm free flap. Song R, et al. **Clin Plast Surg** 1982 Jan;9(1):27–35
Resurfacing the burned face. Warpeha RL. **Clin Plast Surg** 1981 Apr;8(2):255–67
Free flaps to the head and neck. Achauer BM, et al. **Head Neck Surg** 1982 Mar–Apr;4(4):315–23
Operative policy in severe facial trauma in combination with other severe injuries. Mektubjian SR. **J Maxillofac Surg** 1982 Feb;10(1):14–7
Skin grafts. Hirokawa RH, et al. **Otolaryngol Clin North Am** 1982 Feb;15(1):133–45
Emergency treatment of facial lacerations. Stuzin JM, et al. **Postgrad Med** 1982 Mar;71(3):81–5, 88–91, 94
Traumatic craniofacial deformity. Late treatment. Whitaker LA. **Scand J Plast Reconstr Surg** 1981;15(3):307–10
[The management of facial traumata. The urgency of facial repair. (author's transl)] Stricker M, et al. **Ann Chir** 1982 Jan;36(1):57–63 (Eng. Abstr.) **(Fre)**
[Emergency surgical treatment of injuries to the lateral region of the face] Stennert E. **Chirurg** 1982 Apr;53(4):241–52 (Eng. Abstr.) **(Ger)**

THERAPY

Cervicofacial high-pressure hydraulic injection injury. Report of a case. Smith TE Jr, et al. **Arch Otolaryngol** 1982 Jul;108(7):452–3
Dermatologic management of facial lesions. Horvath PN. **Otolaryngol Clin North Am** 1982 Feb;15(1):49–54
Management of soft tissue injuries of the face. Lawson W. **Otolaryngol Clin North Am** 1982 Feb;15(1):35–48

FACIAL MUSCLES

Hemifacial spasm. A psychosomatic disease? Bratzlavsky M, et al. **Acta Neurol Belg** 1982 Jan–Feb;82(1):5–11
Hemifacial spasm caused by cholesteatoma. Davis WE, et al. **Am J Otol** 1981 Jan;2(3):272–3
Intracranial facial nerve decompression in the management of hemifacial spasm. Witzmann A, et al. **Appl Neurophysiol** 1982;45(3):291–4
Meige's syndrome during long-term dopaminergic therapy in Parkinson's disease. Weiner WJ, et al. **Arch Neurol** 1982 Jul;39(7):451–2
Meige's syndrome: clinical, pharmacological and radiological observations. Chopra JS, et al. **Clin Neurol Neurosurg** 1981; 83(3):145–52
Recurrence of hemifacial spasm after hypoglossal facial anastomosis [letter] Harrison MJ, et al. **J Neurol Neurosurg Psychiatry** 1981 Jun;44(6):558–9
Decongestant-induced blepharospasm and orofacial dystonia. Powers JM. **JAMA** 1982 Jun 18;247(23):3244–5
Trigeminal neuralgia and hemifacial spasm: treatment by microvascular decompression. Rushworth RG, et al. **Med J Aust** 1982 May 15;1(10):424–6
Facial myokymia in the Guillain-Barré syndrome: a clinicopathologic study. Van Zandycke M, et al. **Neurology (NY)** 1982 Jul;32(7):744–8
Microsurgical treatment of intractable hemifacial spasm. Yeh HS, et al. **Neurosurgery** 1981 Oct;9(4):383–6
Hemifacial spasm: treatment by microvascular decompression of the facial nerve at the pons. Wilkins RH. **South Med J** 1981 Dec;74(12):1471–4
Position-dependent hemifacial spasm. Schiess RJ, et al. **Surg Neurol** 1982 Jun;17(6):423–5
[Pathogenesis of secondary contracture of the muscles of facial expression (review)] Iudel'son IaB. **Zh Nevropatol Psikhiatr** 1982;82(5):124–31 (100 ref.) **(Rus)**

ABNORMALITIES

Hypoplasia or absence of the depressor anguli oris muscle and congenital abnormalities, with special reference to the cardiofacial syndrome. Levin SE, et al. **S Afr Med J** 1982 Feb 13;61(7):227–31
[Clinical significance of congenital unilateral hypoplasie of m. triangularis and m. quadratus labii inferior (author's transl)] Kaemmerer E. **Nervenarzt** 1981 Aug;52(8):481–3 **(Ger)**
[Congenital agenesis of the triangular muscle of the lip] D'Avanzo M, et al. **Pediatria (Napoli)** 1981 Mar 31; 89(1):99–108 **(Ita)**

ANATOMY & HISTOLOGY

Horner's muscle and the lacrimal system. Ahl NC, et al. **Arch Ophthalmol** 1982 Mar;100(3):488–93
[Age-related topographic anatomical characteristics of the nasal muscle relationships to the alar cartilages and the orbicular muscle of the mouth] Novoselov RD, et al. **Stomatologiia (Mosk)** 1981 Nov–Dec;60(6):64–7 (Eng. Abstr.) **(Rus)**

CYTOLOGY

Enzyme histochemical and histographic data on normal human facial muscles. Schwarting S, et al. **ORL J Otorhinolaryngol Relat Spec** 1982;44(1):51–9

DRUG EFFECTS

Facial atrophy during sotalol treatment. Aho K, et al. **J Neurol Neurosurg Psychiatry** 1982 Feb;45(2):179

EMBRYOLOGY

The development of facial muscles and nerves in relation to the Möbius syndrome. Carlson BM. **Otolaryngol Head Neck Surg** 1981 Nov–Dec;89(6):903–6

INNERVATION

Gardner's neurovascular decompression for hemifacial spasm. Rand RW. **Arch Neurol** 1982 Aug;39(8):510–1
Alternate innervations of facial musculature. Parnes SM, et al. **Arch Otolaryngol** 1982 Jul;108(7):418–21
Reliability of the motor unit count in the facial muscles. Delbeke J. **Electromyogr Clin Neurophysiol** 1982 May–Jun; 22(4):277–90
Modulation of the jaw-opening reflex by peripheral electrical stimulation. Tal M, et al. **Exp Neurol** 1981 Dec;74(3):907–19
Hemifacial spasm: a long term follow-up of patients treated by posterior fossa surgery and facial nerve wrapping. Kaye AH, et al. **J Neurol Neurosurg Psychiatry** 1981 Dec; 44(12):1100–3
Recruitment patterns of motor units in speech production. Smith A, et al. **J Speech Hear Res** 1981 Dec;24(4):567–76
Clinical electroneurography: statistical analysis of controlled measures in twenty-two normal subjects. Hughes GB, et al. **Laryngoscope** 1981 Nov;91(11):1834–46

METABOLISM

Histochemical characteristics of mandibular muscles of monkeys. Clark RW, et al. **Exp Neurol** 1981 Dec; 74(3):654–72

PATHOLOGY

Auricularis posterior muscle biopsy. Technique, preparation and uses. Belal A Jr. **Am J Otol** 1982 Jan;3(3):216–20
Intramuscular hemangioma of the orbicularis oris muscle: report of case. Kinni ME, et al. **J Oral Surg** 1981 Oct; 39(10):780–2
Meige syndrome (blepharospasm-oromandibular dystonia) after long-term neuroleptic therapy. Weiner WJ, et al. **Neurology (NY)** 1981 Dec;31(12):1555–6
[Acquired ptosis caused by disinsertion of the levator palpebrae superioris muscle] Roux JJ, et al. **Bull Soc Ophtalmol Fr** 1982 Jan;82(1):123–5 (Eng. Abstr.) **(Fre)**
[Morphometric characteristics of muscle tissue in children with cleft upper lip] Solov'ev VA. **Stomatologiia (Mosk)** 1981;60(4):53–5 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

Effectiveness of frontalis feedback training in producing general body relaxation. Jones GE, et al. **Biol Psychol** 1981 Jun;12(4):313–20
Adaptation in the function of the superior orbicularis oris muscle. Miller AJ, et al. **Exp Neurol** 1982 Jun;76(3):594–605
Electroacupuncture: Effects on digastric muscle activities in the rat jaw-opening reflex. Iriki A, et al. **Experientia** 1981 Dec 15;37(12):1304–5
Acquisition of conditioned facial reflexes in the cat: cortical control of different facial movements. Woody CD. **Fed Proc** 1982 Apr;41(6):2160–8
Facial muscle patterning lateralization during elation and depression imagery. Sirota AD, et al. **J Abnorm Psychol** 1982 Feb;91(1):25–34
Re-animation of the face [letter] Orlay G, et al. **Med J Aust** 1981 Jul 25;2(2):107–8
[Tongue and perioral muscle pressure normally and in sagittal bite anomalies] Abolmasov NG, et al. **Stomatologiia (Mosk)** 1981 Nov–Dec;60(6):41–3 (Eng. Abstr.) **(Rus)**
[Strength of the muscles of the maxillofacial area in physiological bite in preschool children] Molokov VD. **Stomatologiia (Mosk)** 1981;60(4):55–6 (Eng. Abstr.) **(Rus)**
[Comparative characteristics of the muscle function of the maxillofacial area in children and adults] Persin LS, et al. **Stomatologiia (Mosk)** 1982 May–Jun;61(3):76–8 (Eng. Abstr.) **(Rus)**

PHYSIOPATHOLOGY

Masseter inhibitory periods and sensations evoked by electrical tooth pulp stimulation in patients with oral-facial pain and mandibular dysfunction. Sharav Y, et al. **Arch Oral Biol** 1982;27(4):305–10
A new surgical technique for facial hyperkinesia [letter] Fan Z. **Arch Otolaryngol** 1982 Jul;108(7):461
Applications of biofeedback to the treatment of asthma: a critical review. Kotses H, et al. **Biofeedback Self Regul** 1981 Dec;6(4):573–93
Facial electromyography as a predictor of treatment outcome in depression. Carney RM, et al. **Br J Psychiatry** 1981 Jun; 138:485–9
EMG aspects of the facial muscles reinnervation after seventh nerve autogenous grafts. Valli G, et al. **Electromyogr Clin Neurophysiol** 1981 Sep–Oct;21(6):575–84
Occlusal therapy of neuromuscular problems in the orofacial region. Gausch K. **Int Dent J** 1981 Dec;31(4):267–72
Selecting a musical wind instrument for a student with orofacial muscle problems. Dunn RH. **Int J Orthod** 1982 Jun;20(2):19–22
The relationship between parkinsonian rigidity and hypokinesia in the orofacial system: a quantitative analysis. Hunker CJ, et al. **Neurology (NY)** 1982 Jul;32(7):749–54
[Muscle functional state of the maxillofacial area in children with a prognathic bite] Babarskova VV, et al. **Stomatologiia (Mosk)** 1981;60(4):60–2 (Eng. Abstr.) **(Rus)**

SURGERY

Plication of the orbicularis oris muscle to repair partial paralysis of the lower lip. Mahler D, et al. **Ann Plast Surg** 1982 Mar;8(3):224–6
The orbicularis oculi muscle. Management in blepharoplasty. Furnas DW. **Clin Plast Surg** 1981 Oct;8(4):687–715
Technique for division and suspension of the orbicularis oculi muscle. Su CT, et al. **Clin Plast Surg** 1981 Oct;8(4):673–8
'How I do it' – plastic surgery. Practical suggestions on facial plastic surgery. The temporalis myofascial dynamic sling. Duckert LG, et al. **Laryngoscope** 1981 Nov;91(11):1963–5
Comparison of SMAS plication with SMAS imbrication in face lifting. Webster RC, et al. **Laryngoscope** 1982 Aug;92(8 Pt 1):901–12
Microneurosurgical treatment of trigeminal neuralgia and hemifacial spasm. Wilberger J, et al. **South Med J** 1981 Sep;74(9):1124–6

TRANSPLANTATION

Restoration of function by pedicled muscle transplants. Schmid E. **J Maxillofac Surg** 1981 Nov;9(4):216–24

ULTRASTRUCTURE

Structure of human muscle in facial paralysis. Belal A Jr. **J Laryngol Otol** 1982 Apr;96(4):325–34

FACIAL NEOPLASMS

[2 cases of Ota's nevus] Leibovici M, et al. **Rev Chir [Oftalmol]** 1981 Jul–Sep;25(3):195–8 (Eng. Abstr.) **(Rum)**

CHEMICALLY INDUCED

Effect of dietary restriction on induced hamster cheek pouch carcinogenesis. Andreou KK, et al. **Arch Oral Biol** 1981; 26(6):525–31
[Simulation of malignant tumors by undeclared polyvinylpyrrolidone in drugs] Bork K, et al. **Hautarzt** 1982 Jul;33(7):373–7 (Eng. Abstr.) **(Ger)**

CLASSIFICATION

Clinical and histological studies of the classification and the natural course of the strawberry mark. Nakayama H. **J Dermatol (Tokyo)** 1981 Aug;8(4):277–91

COMPLICATIONS

Ocular malformation in association with ipsilateral facial nevus of Jadassohn. Wilkes SR, et al. **Am J Ophthalmol** 1981 Sep;92(3):344–52

Dermal melanocytosis associated with cleft lip. Inoue S, et al. **Arch Dermatol** 1982 Jun;118(6):443–4

[Headache affecting the pigmented zones of Ota's naevus: clinical study in four cases (author's transl)] Garcia-Alvarez F, et al. **Sem Hop Paris** 1981 Sep 18–25; 57(33–36):1417–9 (Eng. Abstr.) **(Fre)**

[Facio-cerebral lymphangioma in the Ullrich-Turner syndrome (author's transl)] Bohl J, et al. **Neurochirurgia (Stuttg)** 1981 Sep;24(5):176–9 (Eng. Abstr.) **(Ger)**

[Epidermal nervus syndrome] Guidetti V, et al. **Minerva Pediatr** 1982 Mar 15;34(5):195–202 (Eng. Abstr.) **(Ita)**

DIAGNOSIS

Warty dyskeratoma. Niren NM, et al. **Cutis** 1982 Jan; 29(1):79–81, 94

[Comparison of the histology and fine-needle aspiration cytology in the diagnosis of maxillofacial tumors] Aderhold L, et al. **Dtsch Zahnarztl Z** 1981 Nov;36(11):707–11 (Eng. Abstr.) **(Ger)**

[Indications for suspected tumor in syndromes involving the mouth, jaw and face] Gundlach KK. **Dtsch Zahnarztl Z** 1981 Nov;36(11):712–6 (Eng. Abstr.) **(Ger)**

[Results of CEA determination in squamous cell carcinomas of the maxillofacial area] Hardt N, et al. **Dtsch Zahnarztl Z** 1981 Nov;36(11):767–70 (Eng. Abstr.) **(Ger)**

[Oculodermal melanocytosis (nevus of ota) and blue nevus (author's transl)] Knobler R, et al. **Wien Klin Wochenschr** 1981 Sep 4;93(16):508–11 (Eng. Abstr.) **(Ger)**

DRUG THERAPY

[Quinine and urethane sclerosing agents in the treatment of oral and facio-cervical hemangioma (analysis of 110 cases) (author's transl)] Liu SH. **Chung Hua Kou Chiang Ko Tsa Chih** 1980 Mar;15(1):26–8 **(Chi)**

ETIOLOGY

[Epithelial tumors on previously damaged skin] Schulz JP, et al. **Dtsch Zahnarztl Z** 1981 Nov;36(11):717–9 (Eng. Abstr.) **(Ger)**

[Malignant angioendothelioma] Garcia e Silva L, et al. **Acta Med Port** 1981 Jan–Feb;3(1):51–6 (Eng. Abstr.) **(Por)**

HISTORY

[Cancer of the cheek and autoplasty in the year 1828. A genioplasty operation performed by Roux de Brignolles, Gazette Médicale de Paris 1838] Firmin F. **Ann Chir Plast** 1982;27(1):91–3 **(Fre)**

IMMUNOLOGY

Squamous cell carcinoma associated with disturbance of the IgA system. Furukawa F, et al. **Dermatologica** 1982 Jan; 164(1):30–5

[A survey of the cellular immunity in patients with malignant oral and maxillofacial tumors (author's transl)] Chen WX. **Chung Hua Kou Chiang Ko Tsa Chih** 1981 Jun;16(2):77–81 **(Chi)**

[A trial of establishing indications to surgical treatment of neoplasms on the basis of certain immunological parameters (author's transl)] Kowalik S, et al. **Otolaryngol Pol** 1981; 35(4–6):297–302 (Eng. Abstr.) **(Pol)**

OCCURRENCE

Oral and maxillofacial tumours in Northern Nigeria: an analysis over five years. Subbuswamy SG, et al. **Int J Oral Surg** 1981 Aug;10(4):255–60

[Incidence of basocellular and spinocellular epitheliomas in various regions of the face. Statistical review and comparison of the years 1976 and 1978] Romano S, et al. **Arch Sci Med (Torino)** 1982 Jan–Mar;139(1):81–2 **(Ita)**

PATHOLOGY

Cartilaginous nevus on the glabella. Sayama S, et al. **Acta Derm Venereol (Stockh)** 1982;62(2):180–1

Tricholemmoma [letter] Rollins TG. **Am J Dermatopathol** 1981 Winter;3(4):417

Intracranial spread of squamous carcinoma along the trigeminal nerve. Trobe JD, et al. **Arch Ophthalmol** 1982 Apr;100(4):608–11

Pathologic quiz case 2: chondroma with atypia. Burns DK, et al. **Arch Otolaryngol** 1982 Jan;108(1):58–9, 61

Pathologic quiz case 2: histiocytic lymphoma. Fechner RE. **Arch Otolaryngol** 1982 Aug;108(8):530–1, 533

Lipoblastomatosis of the cheek: a case report. Greenwood RE, et al. **Br J Oral Surg** 1982 Jun;20(2):135–41

Orofacial synovial sarcoma: a clinicopathologic study of 11 new cases and review of the literature. Shmookler BM, et al. **Cancer** 1982 Jul 15;50(2):269–76

Follicular mucinosis associated with mycosis fungoides presenting with gross cystic changes on the face. Wilkinson JD, et al. **Clin Exp Dermatol** 1982 May;7(3):333–9

The spectrum of organoid nevi. Coskey RJ. **Cutis** 1982 Mar; 29(3):290–2, 294

Trabecular carcinoma of the skin: a case report. Wong SW, et al. **Hum Pathol** 1981 Sep;12(9):838–40

Tumor conference 40: leiomyoma cutis of the cheek. Bart RS, et al. **J Dermatol Surg Oncol** 1982 Feb;8(2):98–100

Intramuscular hemangioma of the orbicularis oris muscle: report of case. Kinni ME, et al. **J Oral Surg** 1981 Oct; 39(10):780–2

Hemangioma of the cheek. Ladapo AA. **J Oral Surg** 1981 Oct;39(10):778–9

[Cutaneous type of malignant reticulosis of the face (with a case report) (author's transl)] Zhu NZ. **Chung Hua Kou Chiang Ko Tsa Chih** 1981 Sep;16(3):172–3 **(Chi)**

[Detection of skin cancers of the face] Martinet C. **Actual Odontostomatol (Paris)** 1982;137:73–82 **(Fre)**

[Symmetrical submandibular metastasizing basal cell carcinoma of the midforehead] Busch HP, et al. **Dtsch Zahnarztl Z** 1981 Nov;36(11):771–3 (Eng. Abstr.) **(Ger)**

[Clinical picture and pathology of granular cell tumors in the mouth, jaw and facial areas] Ploke G, et al. **Dtsch Zahnarztl Z** 1981 Nov;36(11):732–4 (Eng. Abstr.) **(Ger)**

[Keratoacanthoma in co-existence with nevus sebaceus (author's transl)] Oehlschlaegel G, et al. **Z Hautkr** 1981 Dec 15;56(24):1585–95 (Eng. Abstr.) **(Ger)**

[Malherbe's calcifying epithelioma or pilomatrixoma: considerations on 13 personal cases] Faa G, et al. **Pathologica** 1980 Sep–Oct;72(1021):677–89 (Eng. Abstr.) **(Ita)**

[Histological characteristics of lymphangiomas of the maxillofacial area in children] Panikarovskii VV, et al. **Stomatologiia (Mosk)** 1982 Jan–Feb;61(1):72–5 (Eng. Abstr.) **(Rus)**

[Glomus angioma of the maxillofacial area] Panikarovskii VV, et al. **Stomatologiia (Mosk)** 1982 Mar–Apr;(2):71–2 **(Rus)**

[Mixed tumor of the skin. Apropos of 5 cases] Carapeto FJ, et al. **Actas Dermosifiliogr** 1981 Nov–Dec;72(11–12):571–6 (Eng. Abstr.) **(Spa)**

RADIOGRAPHY

[Scanography in tumors of the face] Piekarski JD, et al. **Rev Stomatol Chir Maxillofac** 1982;83(2–3):141–3 (Eng. Abstr.) **(Fre)**

[Invasive vascular deformities of the face and scalp. Diagnostic and therapeutic evaluation by angiography: review of 32 cases 1977–1980] Tazi Z, et al. **Rev Stomatol Chir Maxillofac** 1982;83(1):24–35 (Eng. Abstr.) **(Fre)**

[Diagnosis of early childhood hemangiomas in the maxillofacial area] Schettler D, et al. **Dtsch Zahnarztl Z** 1982 Apr;37(4):371–4 (Eng. Abstr.) **(Ger)**

[Value of computer tomography in malignant tumors of the middle face] Schwenzer N, et al. **Dtsch Zahnarztl Z** 1981 Nov;36(11):745 **(Ger)**

RADIOTHERAPY

[Radiotherapy problems by skin tumors in the facial folds] Mayer A, et al. **Hautarzt** 1981 Oct;32(10):529–31 (Eng. Abstr.) **(Ger)**

REHABILITATION

A social training program for clients with facial disfigurations: a contribution to the rehabilitation of cancer patients. Fiegenbaum W. **Int J Rehabil Res** 1981;4(4):501–9

SURGERY

Arterial forehead flaps in reconstructive surgery of the face. Marič F. **Acta Chir Plast (Prague)** 1981;23(4):206–15

Laser treatment of common diseases in surgery and acupuncture in the People's Republic of China: preliminary report. Wei XB. **Acupunct Electrother Res** 1981;6(1):19–31

The management of orbitofacial neurofibromatosis. Van der Meulen JC, et al. **Ann Plast Surg** 1982 Mar;8(3):213–20

Latissimus dorsi myocutaneous flap for massive facial defects. Schuller DE. **Arch Otolaryngol** 1982 Jul;108(7):414–7

Primary reconstruction of cheek defect following excision of a large malignant melanoma: Report of a case. Nakajima T, et al. **Int J Oral Surg** 1981 Apr;10(2):140–4

Reconstruction of defects following Mohs' surgery. Casson PR, et al. **J Dermatol Surg Oncol** 1981 Oct;7(10):811–7

The use of kite flaps to prevent displacements of eyebrows. Harahap M. **J Dermatol Surg Oncol** 1982 Apr;8(4):265–70

Uses of dextranomer absorbent pads after cryosurgery of cutaneous malignancies. Hersle K, et al. **J Dermatol Surg Oncol** 1982 Jan;8(1):35–7

Curative and aesthetic results of surgical treatment of 138 basal-cell carcinomas. Marchac D, et al. **J Dermatol Surg Oncol** 1982 May;8(5):379–87

The surgical treatment of vascular tumours of the face. Kobus K, et al. **J Maxillofac Surg** 1982 May;10(2):99–112

Survival of a myocutaneous free flap after prolonged ischemia: a case report. Takayanagi S, et al. **J Microsurg** 1981 Jun;2(4):296–8

Preliminary report on the application of the CO2 laser scalpel for operations on the maxillo-facial bones. Pao-Chang M, et al. **Lasers Surg Med** 1981;1(4):375–84

Chemosurgical techniques. Mohs FE. **Otolaryngol Clin North Am** 1982 Feb;15(1):209–24

Adenoma sebaceum: successful treatment with the argon laser. Arndt KA. **Plast Reconstr Surg** 1982 Jul;70(1):91–3

The evolution of techniques for reconstruction of full-thickness cheek defects. Bunkis J, et al. **Plast Reconstr Surg** 1982 Sep;70(3):319–27

A postauricular flap based on the contralateral superficial temporal vessels. Galvao MS. **Plast Reconstr Surg** 1981 Dec;68(6):891–7

Glioma of the face. Kurzer A, et al. **Plast Reconstr Surg** 1982 Apr;69(4):678–82

Surgical treatment of giant hemangioma of the facial region after arterial embolization. Schrudde J, et al. **Plast Reconstr Surg** 1981 Dec;68(6):878–89

[Head-nape flap for immediate repair after resection of oro-maxillo-facial malignancies (author's transl)] Lin GC. **Chung Hua Kou Chiang Ko Tsa Chih** 1981 Dec;16(4):217–21 **(Chi)**

[Cryotherapy of oculofacial hemangioma with liquid nitrogen (author's transl)] Song JX. **Chung Hua Yen Ko Tsa Chih** 1981 Jan;17(1):11–3 **(Chi)**

[Reconstruction of the internal surface of the cheek. Current surgical concepts] Soussaline M. **Ann Chir Plast** 1982; 27(1):10–4 (Eng. Abstr.) **(Fre)**

[Angiomas of the face. Surgical possibilities] Stricker M, et al. **Ann Chir Plast** 1981;26(3):221–6 (Eng. Abstr.) **(Fre)**

[Is it necessary to operate on angiomas in children?] Maillard GF. **Rev Med Suisse Romande** 1981 Jun;101(6):475–81 **(Fre)**

[Treatment of capillary hemangiomas by infrared contact coagulation] Schmoll M. **Hautarzt** 1981 Nov;32(11):588–91 (Eng. Abstr.) **(Ger)**

[Treatment of juvenile haemiangiomas (author's transl)] Heiner H, et al. **Zentralbl Chir** 1981;106(16):1055–62 (Eng. Abstr.) **(Ger)**

[Xenoderm in plastic maxillofacial surgery] Schubert J. **Zentralbl Chir** 1981;106(17):1168–70 **(Ger)**

[Plastic reconstruction of a giant cavernous hemangioma] Kovács A, et al. **Magy Traumatol Orthop Helyreallito Sebesz** 1981; 24(1):52–5 **(Hun)**

[Treatment of hemangiomas with deep electrocoagulation] Generalov AI, et al. **Sov Med** 1982;(5):108–10 **(Rus)**

[Use of staphylococcal anatoxin after extensive operations for tumors of the maxillofacial area and neck] Travnikova IuI, et al. **Stomatologiia (Mosk)** 1981 Sep–Oct;60(5):41–2 (Eng. Abstr.) **(Rus)**

THERAPY

Ocular and orbital complications after sclerosing injections in a case of a frontal cutaneous angioma. Chamot L, et al. **Ophthalmologica** 1981;182(4):193–8

[Perspectives of hyperthermia in the treatment of tumors of the maxillofacial region] Dutreix J, et al. **Rev Stomatol Chir Maxillofac** 1982;83(2–3):124–8 (Eng. Abstr.) **(Fre)**

ULTRASTRUCTURE

Electron microscopy. Ultrastructural observations of the extracellular sheath of dermal melanocytes in the nevus of Ota. Hori Y, et al. **Am J Dermatopathol** 1982 Jun; 4(3):245–51

Ultrastructure of trichoepithelioma papulosum multiplex. Ueda K, et al. **J Cutan Pathol** 1981 Jun;8(3):188–98

Sebaceous adenocarcinoma. Wilborn WH, et al. **J Cutan Pathol** 1981 Jun;8(3):266–70

Recurring congenital lesion of the cheek. Schmidt D, et al. **Ultrastruct Pathol** 1982 Jan–Mar;3(1):85–90

[The lesions of the ultrastructure of tumor cell in ultra-low-temperature freezing (author's transl)] Wang NC. **Chung Hua Kou Chiang Ko Tsa Chih** 1980 Mar; 15(1):40–1 **(Chi)**

VETERINARY

Squamous cell carcinoma in an African green monkey. Fincham JE, et al. **Vet Pathol** 1982 Jul;19(4):450–3

FACIAL NERVE

Neurogenic neoplasms of the seventh cranial nerve presenting as a parotid mass. Kavanagh KT, et al. **Am J Otolaryngol** 1982 Jan–Feb;3(1):53–6

The facial nerve in acoustic neuroma surgery. Smyth GD, et al. **J Laryngol Otol** 1982 Apr;96(4):335–46

Perineurial invasion of the facial nerve: a case report with extension from cutaneous squamous cell carcinoma. Strauss M, et al. **Otolaryngol Head Neck Surg** 1981 Sep–Oct; 89(5):831–5

Percutaneous thermoblock treatment for blepharospasm. Kao MC. **Taiwan I Hsueh Hui Tsa Chih** 1981 Dec; 80(12):1288–95

[Successful preservation of the facial and acoustic nerves in total removal of a large acoustic tumor (report of a case)

(author's transl)] Chai WX.
Chung Hua I Hsueh Tsa Chih 1981 May;61(5):290–2 (Eng. Abstr.) **(Chi)**

[Treatment of facial spasms by acupuncture of facial nerve trunk (author's transl)] Zhang FC.
Chung Hua Kou Chiang Ko Tsa Chih 1980 Mar;15(1):55–6 **(Chi)**

[Neurinoma of the third portion of the facial nerve. About a case cured after hypoglosso-facial anastomosis (author's transl)] Pelisse JM, et al.
Ann Otolaryngol Chir Cervicofac 1981;98(3):99–101 (Eng. Abstr.) **(Fre)**

[A case of intra-petrous facial nerve neurinoma] Ferjaoui M, et al. **Tunis Med** 1981 Jul–Aug;59(4):319–21 (Eng. Abstr.) **(Fre)**

[Facial neurinoma] Shapiro LM. **Vestn Otorinolaringol** 1982 Mar–Apr;(2):71–2 **(Rus)**

[Hemangioma of the facial nerve] Cerný L, et al.
Cesk Otolaryngol 1982 Apr;31(2):102–5 (Eng. Abstr.) **(Slo)**

ABNORMALITIES

Severe middle ear anomaly with underdeveloped facial nerve. A temporal bone histopathologic case report. Kodama A, et al. **Arch Otolaryngol** 1982 Feb;108(2):93–8

Anomaly of the facial canal in a Mondini malformation with recurrent meningitis. Curtin HD, et al. **Radiology** 1982 Jul; 144(2):335–41

ANALYSIS

Somatostatin-like immunoreactivity in the facial, glossopharyngeal and vagal lobes of the carp. Tohyama M, et al. **Neurosci Lett** 1981 Jul 17;24(3):233–6

ANATOMY & HISTOLOGY

Variations in the axon reaction in animals of different ages. A light microscopic study on the facial nucleus of the rat. Søreide AJ. **Acta Anat (Basel)** 1981;110(1):40–7

Motor fibre organization in the intratemporal portion of cat and rat facial nerve studied with the horseradish peroxidase technique. Thomander L, et al.
Acta Otolaryngol (Stockh) 1982 May–Jun;93(5–6):397–405

Spatial occupancy of vessels and facial nerve in the facial canal. Ogawa A, et al. **Ann Otol Rhinol Laryngol** 1 32 Jan–Feb;91(1 Pt 1):14–9

The anatomical relationship of the retractor bulbi and posterior digastric motoneurones to the abducens and facial nuclei in the cat. Grant K, et al. **Arch Ital Biol** 1981 Sep; 119(3):195–207

The frontalis nerve in the temporal brow lift. Liebman EP, et al. **Arch Otolaryngol** 1982 Apr;108(4):232–5

The surgical anatomy of the cervical distribution of the facial nerve. Ziarah HA, et al. **Br J Oral Surg** 1981 Sep; 19(3):171–9

Organization of the facial nucleus in the rat. Watson CR, et al. **Brain Behav Evol** 1982;20(1–2):19–28

Retrograde labelling of retinogeniculate neurones in the cat by HRP uptake from the diffuse injection zone. Ahlsén G. **Brain Res** 1981 Nov 2;223(2):374–80

The motor nuclei and primary projections of the facial nerve in the monitor lizard Varanus exanthematicus. Barbas-Henry HA. **J Comp Neurol** 1982 May 10; 207(2):105–13

An enzyme tracer study of the organization of the somatic motor center for the innervation of different muscles of the tongue: evidence for two sources. Chibuzo GA, et al. **J Comp Neurol** 1982 Mar 1;205(3):273–81

Central representation of the anterior lateral line nerve in the catfish. Andrianovv YuNU, et al.
Neurosci Behav Physiol 1981 Sep–Oct;11(5):505–9

Facial paralysis in children: differential diagnosis. May M, et al. **Otolaryngol Head Neck Surg** 1981 Sep–Oct; 89(5):841–8

[Transversus nuchae muscle: two observations of hitherto unknown deviations of its nerve supply (author's transl)] Schmidt HM. **Anat Anz** 1982;151(2):144–50 (Eng. Abstr.) **(Ger)**

[Anatomical background of snout movement of some insectivores (mammalia) a study of facial nerve element by means of horseradish peroxidase method (author's transl)] Nagae K. **Kokubyo Gakkai Zasshi** 1982 Mar; 49(1):41–62 (Eng. Abstr.) **(Jpn)**

[Surgical anatomy of the greater petrosal nerve] Tsybul'kin AG, et al. **Arkh Anat Gistol Embriol** 1982 Jan;82(1):93–7 (Eng. Abstr.) **(Rus)**

BLOOD SUPPLY

The blood supply of the facial nerve in the human temporal bone. Minatogawa T, et al. **Auris Nasus Larynx** 1980; 7(1):7–18

CYTOLOGY

Fiber analysis of the motor root of the mouse facial nerve. Shimozawa A. **Anat Anz** 1981;150(1–2):63–76

[Quantitative analysis of retinal ganglion cells projecting to the lateral geniculate nucleus in the area centralis of the cat's eye (author's transl)] Terao N, et al.
Nippon Ganka Gakkai Zasshi 1981 Aug 10;85(8):925–33 (Eng. Abstr.) **(Jpn)**

DRUG EFFECTS

Intracellular studies on the effects of systemic administration of serotonin agonists on rat facial motoneurons. Vandermaelen CP, et al. **Eur J Pharmacol** 1982 Feb 26; 78(2):233–6

EMBRYOLOGY

Labyrinthine segment and geniculate ganglion of facial nerve in fetal and adult human temporal bones. Ge XX, et al. **Ann Otol Rhinol Laryngol [Suppl]** 1981 Jul–Aug;90(4 Pt 2 Suppl 85):1–12

The development of facial muscles and nerves in relation to the Möbius syndrome. Carlson BM.
Otolaryngol Head Neck Surg 1981 Nov–Dec;89(6):903–6

[Developmental study on the facial nerve and canal in man (author's transl)] Matsumura M.
Nippon Jibiinkoka Gakkai Kaiho 1981 Aug;84(8):815–25 (Eng. Abstr.) **(Jpn)**

GROWTH & DEVELOPMENT

Tritiated leucine incorporation in the developing hamster facial nucleus with injury: an autoradiographic study. McLoon LK, et al. **Exp Neurol** 1981 Nov;74(2):573–86

Abnormal development of kitten retino-geniculate connectivity in the absence of action potentials. Archer SM, et al. **Science** 1982 Aug 20;217(4561):743–5

INJURIES

Pathological features of human facial nerve after central injury during tumor removal, with special reference to the non-motor component. Ylikoski J, et al.
Acta Otolaryngol (Stockh) 1982 Jan–Feb;93(1–2):113–8

Accidental transection of the tympanic segment of the facial nerve. May M. **Am J Otol** 1981 Jul;3(1):79

Facial nerve injury as a complication of sagittal split ramus osteotomy. Piecuch JF, et al. **J Oral Maxillofac Surg** 1982 May;40(5):309–10

Head and neck and plastic surgery: early check for facial nerve injury. Storrs LA. **Laryngoscope** 1982 Jun;92(6 Pt 1):701

[Emergency surgical treatment of injuries to the lateral region of the face] Stennert E. **Chirurg** 1982 Apr;53(4):241–52 (Eng. Abstr.) **(Ger)**

METABOLISM

Somatopetal axonal transport of fluorescent lectins: distribution pattern and cytophotometric quantification in mouse peripheral neurons. Nennesmo I, et al.
Neurosci Lett 1981 Dec 23;27(3):243–8

PATHOLOGY

[Dehiscence of the aquaduct of fallopii in essential facial paralysis] Martin C, et al. **J Fr Otorhinolaryngol** 1982 Jan; 31(1):27–8 (Eng. Abstr.) **(Fre)**

[An anatomical and clinical novelty: the 'pneumatic petrous bone' and the 'petrous vacuum'. Correlations with the cryptogenic pathology of the 8th, 7th and 5th nerves. Preliminary note] Fioretti A, et al. **Minerva Med** 1982 May 12;73(20):1341–8 **(Ita)**

PHYSIOLOGY

Variations in the axon reaction after different types of nerve lesion. Light and electron microscopic studies on the facial nucleus of the rat. Søreide AJ. **Acta Anat (Basel)** 1981; 110(2):173–88

Respiratory activity generated by a split brainstem preparation of the rabbit. Gromysz H, et al.
Acta Neurobiol Exp (Warsz) 1981;41(2):237–42

Effects of facial nerve section and stimulation on cerebral and ocular blood flow in hemorrhagic hypotension. Linder J. **Acta Physiol Scand** 1981 Jun;112(2):185–93

Coupling between chorda tympani nerve fibres in the cat. Lisney SJ. **Brain Res** 1981 Nov 2;223(2):413–6

Baroreflex actions of substance P microinjected into the nucleus tractus solitarii in rat: a consequence of local distortion. Talman WT, et al. **Brain Res** 1981 Sep 14; 220(2):402–7

Serotonin-induced depolarization of rat facial motoneurons in vivo: comparison with amino acid transmitters. Vandermaelen CP, et al. **Brain Res** 1982 May 6; 239(1):139–52

Migration of Merkel cells in the labial mucous epithelium of adult rabbits following mental nerve resection. Tachibana T, et al. **Cell Tissue Res** 1982;223(3):659–64

Facial reflexes of short latency. Csécsei G.
Electromyogr Clin Neurophysiol 1982 Jan–Feb; 22(1–2):39–44

Taste response in the facial nerve of the carp, Cyprinus carpio L. Funakoshi M, et al. **Jpn J Physiol** 1981;31(3):381–90

Clinical electroneurography: statistical analysis of controlled measures in twenty-two normal subjects. Hughes GB, et al. **Laryngoscope** 1981 Nov;91(11):1834–46

[Synaptic mechanisms of descending influences on the facial nucleus motor neurons in the cat] Fanardzhian VV, et al. **Fiziol Zh SSSR** 1981 Jul;67(7):1007–13 (Eng. Abstr.) **(Rus)**

[Vestibular Responses of neurons of the anterior suprasylvian region of the cat cortex and their interaction with responses to acoustic stimulation and stimulation of the facial nerve] Dem'ianenko VS. **Neirofiziologiia** 1981;13(4):353–8 (Eng. Abstr.) **(Rus)**

[Factors responsible for generation of multiple discharges in motor neurons of the nucleus of the facial nerve in cats] Fanardzhian VV, et al. **Neirofiziologiia** 1981;13(5):520–30 (Eng. Abstr.) **(Rus)**

[Neuronal analysis of the projection of the caudal trigeminal nucleus to the nucleus of the facial nerve in cats] Kasabian SA, et al. **Neirofiziologiia** 1981;13(3):264–9 (Eng. Abstr.) **(Rus)**

[Structuro-functional analysis of tongue receptors influences on the cochlear nuclei] Bobkova RM, et al.
Zh Vyssh Nerv Deiat 1981 Jul–Aug;31(4):859–62 **(Rus)**

PHYSIOPATHOLOGY

Electroneurography: objective prognostic assessment of facial paralysis. Hughes GB. **Am J Otol** 1982 Jul;4(1):73–6

Nervus intermedius in acoustic neuromas: a critical evaluation of intermedius nerve testing, with special reference to the nasolacrimal reflex. Thomsen J, et al.
Am J Otol 1981 Jul;3(1):21–7

Alternate innervations of facial musculature. Parnes SM, et al. **Arch Otolaryngol** 1982 Jul;108(7):418–21

Secondary syphilis of the facial nerve. Verduijn PG, et al. **Arch Otolaryngol** 1982 Jun;108(6):382–4

Facial nerve preservation in patients with large acoustic neuromas treated by a combined middle fossa transtentorial translabyrinthine approach. Tator CH, et al.
J Neurosurg 1982 Jul;57(1):1–7

Spontaneous facial movement. Blair RL, et al.
J Otolaryngol 1981 Dec;10(6):459–62

Brain stem auditory evoked potentials in patients with hemifacial spasm. Møller MB, et al. **Laryngoscope** 1982 Aug;92(8 Pt 1):848–52

[Electrodiagnosis of non-traumatic peripheral facial paralysis] de Bisschop G, et al. **Electrodiagn Ther** 1980; 17(4):191–245 (68 ref.) **(Fre)**

[Report and perspectives on the electrophysiologic study of trigemino-facial and facial reflexes in vertebrobasilar insufficiency] Martín Ruiz E, et al.
Rev Med Univ Navarra 1981 Sep;25(3):27–9 **(Spa)**

RADIOGRAPHY

Course of the facial nerve in congenital ear deformities. Tomographic demonstration. Phelps PD, et al.
Acta Radiol [Diagn] (Stockh) 1981;22(4):475–83

SURGERY

Degenerative changes in the distal stump of the severed human facial nerve. Ylikoski J, et al.
Acta Otolaryngol (Stockh) 1981 Sep–Oct;92(3–4):239–48

Parotid duct injury as a complication of differential seventh nerve ablation. Neuhaus RW, et al. **Am J Ophthalmol** 1982 Jan;93(1):124–5

The facial nerve [letter] Downer RN. **Am J Otol** 1982 Jan; 3(3):295

Early decompression of the facial nerve in Bell's palsy. Pulec JL. **Ann Otol Rhinol Laryngol** 1981 Nov–Dec;90(6 Pt 1):570–7

Principles and clinical application of micronerve surgery and nerve transplantation in the maxillofacial area. Hausamen JE. **Ann Plast Surg** 1981 Dec;7(6):428–33

Intracranial facial nerve decompression in the management of hemifacial spasm. Witzmann A, et al.
Appl Neurophysiol 1982;45(3):291–4

Gardner's neurovascular decompression for hemifacial spasm. Rand RW. **Arch Neurol** 1982 Aug;39(8):510–1

Recent advances in facial nerve surgery. Crumley RL.
Head Neck Surg 1982 Jan–Feb;4(3):233–6 (42 ref.)

Hemifacial spasm: a long term follow-up of patients treated by posterior fossa surgery and facial nerve wrapping. Kaye AH, et al. **J Neurol Neurosurg Psychiatry** 1981 Dec; 44(12):1100–3

Facial nerve sutures: epineural vs. perineural sutures. Rouleau M, et al. **J Otolaryngol** 1981 Oct;10(5):338–42

Surgery of the facial nerve. Silverstein H. **J Otolaryngol** 1981 Dec;10(6):449–58

Proximal intratemporal facial nerve in Bell's palsy surgery. A study correlating anatomical and surgical findings. Goin DW. **Laryngoscope** 1982 Mar;92(3):263–72

'How I do it'—plastic surgery. Practical suggestions on facial plastic surgery. Microneural techniques for nerve grafting. Hagan WE. **Laryngoscope** 1981 Oct;91(10):1759–66

Selective facial neurectomy for essential blepharospasm. Spector GJ, et al. **Laryngoscope** 1981 Nov;91(11):1896–903

Blepharospasm: a surgical procedure for therapy. Battista AF. **Ophthalmic Surg** 1981 Nov;12(11):823–9

Restoration of function in long standing facial paralysis. Tucker HM. **Otolaryngol Clin North Am** 1982 Feb; 15(1):69–76

Hemifacial spasm: treatment by posterior fossa surgery. Liu KN, et al. **Taiwan I Hsueh Hui Tsa Chih** 1981 Nov; 80(11):1235–9

[Microsurgery of the facial nerve (author's transl)] Monballiu G. **Acta Chir Belg** 1982 May–Jun;82(3):281–9 (Eng. Abstr.) **(Dut)**

[Immediate nerve repair in the surgery of facial nerve tumors] Cannoni M, et al. **Ann Chir Plast** 1981;26(3):248–53 (Eng. Abstr.) **(Fre)**

[Hypoglosso-facial anastomosis. Results in 10 cases (author's transl)] Renou G, et al.

Ann Otolaryngol Chir Cervicofac 1981;98(7-8):389-93 (Eng. Abstr.) **(Fre)**

[Critical study of indications for the surgical exploration of the intrapetrous facial nerve] Wayoff M, et al. **J Fr Otorhinolaryngol** 1982 Feb;31(2):99-106 **(Fre)**

[Surgery of the petrous bone portion of the facial nerve by the subtemporal approach] Hua-Quing C, et al. **Rev Laryngol Otol Rhinol (Bord)** 1981 May-Jun; 102(5-6):195-201 (Eng. Abstr.) **(Fre)**

[A case of intra-temporal neurinoma of the facial nerve in a young child with neonatal paralysis] Portmann M, et al. **Rev Laryngol Otol Rhinol (Bord)** 1981 Sep-Oct; 102(9-10):439-43 (Eng. Abstr.) **(Fre)**

[Hypoglossal-facial nerve cross-over for rehabilitation of the paralyzed face (author's transl)] Zehm S, et al. **Laryngol Rhinol Otol (Stuttg)** 1981 Aug;60(8):437-40 (Eng. Abstr.) **(Ger)**

[On pterygoid canal nerve neurectomy (author's transl)] Bętkowski A. **Otolaryngol Pol** 1981;35(4-6):393-9 **(Pol)**

[On the functional surgery of the facial nerve in parotid malignant neoplasms (author's transl)] Paśnikowski T, et al. **Otolaryngol Pol** 1982;36(2-3):127-35 (Eng. Abstr.) **(Pol)**

TRANSPLANTATION

EMG aspects of the facial muscles reinnervation after seventh nerve autogenous grafts. Valli G, et al. **Electromyogr Clin Neurophysiol** 1981 Sep-Oct;21(6):575-84

ULTRASTRUCTURE

The ultrastructure of the geniculate ganglion. Kitamura K, et al. **Acta Otolaryngol (Stockh)** 1982 Mar-Apr; 93(3-4):175-86

Nerve fiber caliber analysis in the mouse intermediate nerve with electron microscope. Shimozawa A. **Anat Anz** 1982; 151(3):286-96

Fiber orientation of the facial nerve: an experimental study in the cat. Gacek RR, et al. **Laryngoscope** 1982 May; 92(5):547-56

FACIAL NERVE DISEASES

DIAGNOSIS

Spontaneous facial movement. Blair RL, et al. **J Otolaryngol** 1981 Dec;10(6):459-62

ETIOLOGY

[The facial nerve in acoustic neurinoma] Portmann M, et al. **Rev Laryngol Otol Rhinol (Bord)** 1982;103(1):27-31 (Eng. Abstr.) **(Fre)**

[Facial neuritis after tonsillectomy] Skudnev DM, et al. **Vestn Otorinolaringol** 1982 Mar-Apr;(2):66-7 **(Rus)**

PHYSIOPATHOLOGY

Recent advances in neuro-otology. Brackmann DE. **Head Neck Surg** 1981 Sep-Oct;4(1):22-8

[Electrical excitation of the teeth in a facial nerve lesion] Trofimenko LN. **Stomatologiia (Mosk)** 1982 Jan-Feb; 61(1):33-4 (Eng. Abstr.) **(Rus)**

SURGERY

Microneurosurgical treatment of trigeminal neuralgia and hemifacial spasm. Wilberger J, et al. **South Med J** 1981 Sep;74(9):1124-6

Hemifacial spasm: treatment by microvascular decompression of the facial nerve at the pons. Wilkins RH. **South Med J** 1981 Dec;74(12):1471-4

THERAPY

Non-surgical tarsorraphy in peripheral facial nerve paralysis [letter] Scoppetta C. **Ital J Neurol Sci** 1981 Jan;2(1):97

[Prosthetic management of bucco-facial apraxia] Spirchez N, et al. **Fogorv Sz** 1981 Aug;74(8):239-40 **(Hun)**

FACIAL NEURALGIA

DIAGNOSIS

Carotidynia: aetiology, diagnosis and treatment. Chambers BR, et al. **Clin Exp Neurol** 1981;17:113-23

Craniofacial pain masquerading depression. Shulka GD. **J Indian Med Assoc** 1981 Dec 16;77(12):195-6

[Facial pain in relation to mastication, physiopathology of dental occlusion] Frère F, et al. **Rev Med Liege** 1982 Apr 15;37(8):268-73 **(Fre)**

[Endogenous effect of facial pain and headache from the dental viewpoint] Siebert G, et al. **Dtsch Zahnarztl Z** 1981 May;36(5):299-303 (Eng. Abstr.) **(Ger)**

DRUG THERAPY

Retrogasserian injection of glycerol in the treatment of trigeminal neuralgia and other facial pains [letter] Hakanson S. **Neurosurgery** 1982 Feb;10(2):300

ETIOLOGY

Pseudotumor cerebri and facial pain. Hart RG, et al. **Arch Neurol** 1982 Jul;39(7):440-2

Jaw bone cavities associated with facial pain syndromes: case reports. Mathis BJ, et al. **Milit Med** 1981 Oct; 146(10):719-23

Intractable facial pain associated with a ganglioglioma of the cervicomedullary junction: report of a case. Epstein N, et al. **Neurosurgery** 1982 May;10(5):612-6

Facial pain associated with a middle fossa arachnoid cyst. Martuza RL, et al. **Neurosurgery** 1981 Jun;8(6):712-16

[Vascular neuralgia of the face] Scheyvaerts M, et al. **Rev Med Liege** 1981 Apr 1;36(7):261-7 **(Fre)**

PATHOLOGY

Optic neuropathy and paratrigeminal syndrome due to Aspergillus fumigatus. Weinstein JM, et al. **Arch Neurol** 1982 Sep;39(9):582-5

PSYCHOLOGY

Depression, anhedonia and anxiety in temporomandibular joint and other facial pain syndromes. Marbach JJ, et al. **Pain** 1981 Aug;11(1):73-84

SURGERY

Endoscopic section of the sensory trigeminal root, the glossopharyngeal nerve, and the cranial part of the vagus for intractable facial pain caused by upper jaw carcinoma. Oppel F, et al. **Surg Neurol** 1981 Aug;16(2):92-5

[Surgery of the sphenopalatine ganglion in facial pain] Gersdorff M. **Acta Otorhinolaryngol Belg** 1981;35(1):56-62 **(Fre)**

THERAPY

[Acupuncture management of chronic facial pain. A double-blind cross-over study] Hansen PE, et al. **Ugeskr Laeger** 1981 Oct 26;143(44):2885-7 (Eng. Abstr.) **(Dan)**

[Neuroreflexotherapy of facial vasomotor pains with soft laser (He-Ne). Discussion of the results in the light of the dermatoneuromeric theory] Milani L, et al. **Minerva Med** 1982 Mar 31;73(13):715-23 (Eng. Abstr.) **(Ita)**

FACIAL PARALYSIS

Facial nerve disorders. Update 1982. May M. **Am J Otol** 1982 Jul;4(1):77-88 (82 ref.)

CLASSIFICATION

Ramsay Hunt syndrome: a cranial polyneuropathy. Aviel A, et al. **Am J Otolaryngol** 1982 Jan-Feb;3(1):61-6

COMPLICATIONS

Raeder's paratrigeminal syndrome. Rao VA, et al. **Indian J Ophthalmol** 1981 Apr;29(1):59-61

Lateral tarsal strip procedure for the correction of paralytic ectropion. Becker FF. **Laryngoscope** 1982 Apr;92(4):382-4

[2 cases of neurinoma of the acoustic nerve preceded by regressed peripheral facial paralysis] Portmann M, et al. **Rev Laryngol Otol Rhinol (Bord)** 1981 May-Jun; 102(5-6):245-53 (Eng. Abstr.) **(Fre)**

CONGENITAL

Congenital facial palsy and ipsilateral deafness: association with maternal diabetes mellitus. Gratz ES, et al. **Int J Pediatr Otorhinolaryngol** 1981 Dec;3(4):335-41

Facial paralysis in the newborn. Smith JD, et al. **Otolaryngol Head Neck Surg** 1981 Nov-Dec;89(6):1021-4

[A case of intra-temporal neurinoma of the facial nerve in a young child with neonatal paralysis] Portmann M, et al. **Rev Laryngol Otol Rhinol (Bord)** 1981 Sep-Oct; 102(9-10):439-43 (Eng. Abstr.) **(Fre)**

DIAGNOSIS

Bell's palsy - part of a polyneuropathy? Sandstedt P, et al. **Acta Neurol Scand** 1981 Jul;64(1):66-73

Prognosis in Bell's palsy based on symptoms, signs and laboratory data. Hydén D, et al. **Acta Otolaryngol (Stockh)** 1982 May-Jun;93(5-6):407-14

Electroneurography in the prognostication of Bell's palsy. Thomander L, et al. **Acta Otolaryngol (Stockh)** 1981 Sep-Oct;92(3-4):221-37

Electroneurography: objective prognostic assessment of facial paralysis. Hughes GB. **Am J Otol** 1982 Jul;4(1):73-6

Metastatic carcinoma simulating Bell's palsy. Litvin JM, et al. **IMJ** 1982 Jan;161(1):21-2

Facial myokymia in the course of a pontine tumor. Juvarra G, et al. **Ital J Neurol Sci** 1981 Jan;2(1):35-42

Current concepts in neurology: diagnosis and management of facial paralysis. Adour KK. **N Engl J Med** 1982 Aug 5;307(6):348-51

[Electrodiagnosis of non-traumatic peripheral facial paralysis] de Bisschop G, et al. **Electrodiagn Ther** 1980; 17(4):191-245 (68 ref.) **(Fre)**

[Statistic observations on Bell's palsy and Ramsay-Hunt's syndrome--investigation on clinical pictures and differential diagnosis (author's transl)] Abe T. **Nippon Jibiinkoka Gakkai Kaiho** 1981 Jun;84(6):607-17 (Eng. Abstr.) **(Jpn)**

[Early prognostic diagnosis of Bell's palsy evaluation from the combination of each palsy index score and palsy index (author's transl)] Kikuchi A, et al. **Nippon Jibiinkoka Gakkai Kaiho** 1981 Jul;84(7):735-9 (Eng. Abstr.) **(Jpn)**

[A project of electrogustometer (author's transl)] Krzeski A, et al. **Otolaryngol Pol** 1982;36(2-3):177-9 **(Pol)**

[Statistical study on Bell's palsy] Gavilán J, et al. **An Otorrinolaringol Ibero Am** 1981;8(4):275-87 **(Spa)**

DRUG THERAPY

Carbamazepine for hemifacial spasm. Alexander GE, et al. **Neurology (NY)** 1982 Mar;32(3):286-7

[Clinical and electrophysiological study of isaxonine in peripheral facial paralysis (author's transl)] Dehen H. **Nouv Presse Med** 1982 Apr 8;11(16):1262-4 (Eng. Abstr.) **(Fre)**

[Therapy of idiopathic facial nerve paralysis] Klingler D, et al. **Wien Med Wochenschr** 1982 Apr 15;132(7):149-53 (Eng. Abstr.) **(Ger)**

EMBRYOLOGY

The development of facial muscles and nerves in relation to the Möbius syndrome. Carlson BM. **Otolaryngol Head Neck Surg** 1981 Nov-Dec;89(6):903-6

ETIOLOGY

Pathological features of human facial nerve after central injury during tumor removal, with special reference to the non-motor component. Ylikoski J, et al. **Acta Otolaryngol (Stockh)** 1982 Jan-Feb;93(1-2):113-8

Facial paralysis complicating iontophoresis of the tympanic membrane: a case report. Beauchamp ML, et al. **Am J Otol** 1982 Jul;4(1):93-4

Accidental transection of the tympanic segment of the facial nerve. May M. **Am J Otol** 1981 Jul;3(1):79

Delayed onset of a facial paralysis following skull trauma. Nigri PT. **Am J Otol** 1982 Apr;3(4):397

Iatrogenic facial nerve paresis. Nightingale PJ, et al. **Anaesthesia** 1982 Mar;37(3):322-3

Facial nerve paralysis in the presence of a benign parotid tumor. Papangelou L, et al. **Arch Otolaryngol** 1982 Jul; 108(7):458-9

Secondary syphilis of the facial nerve. Verduijn PG, et al. **Arch Otolaryngol** 1982 Jun;108(6):382-4

Motor spastic paraplegia and unilateral infranuclear facial palsy complicating tetanus. Jain MK, et al. **Br Med J [Clin Res]** 1982 Aug 14;285(6340):477-8

Predisposing factors in Bell's palsy: a clinical study with reference to diabetes mellitus, hypertension, clotting mechanism and lipid disturbance. Abraham-Inpijn L, et al. **Clin Otolaryngol** 1982 Apr;7(2):99-105

Intracranial hypoglossal schwannoma as an unusual cause of facial nerve palsy. Case report. Dolan EJ, et al. **J Neurosurg** 1982 Mar;56(3):420-3

Bell's palsy [letter] **Lancet** 1982 Mar 20;1(8273):663

Facial paralysis in children: differential diagnosis. May M, et al. **Otolaryngol Head Neck Surg** 1981 Sep-Oct; 89(5):841-8

Perineurial invasion of the facial nerve: a case report with extension from cutaneous squamous cell carcinoma. Strauss M, et al. **Otolaryngol Head Neck Surg** 1981 Sep-Oct; 89(5):831-5

Hypotension-induced neuropraxia in the cat facial nerve. Tzadik A, et al. **Otolaryngol Head Neck Surg** 1982 Mar-Apr;90(2):163-7

Benign adenoma of the middle ear cavity causing facial paralysis. Zahtz GD, et al. **Otolaryngol Head Neck Surg** 1981 Jul-Aug;89(4):624-7

Otorhinolaryngologic presentations of infectious mononucleosis. Snyderman NL. **Trans Pa Acad Ophthalmol Otolaryngol** 1981 Fall; 34(2):179-83

[Subacute and chronic mastoiditis in the elderly: report on 10 cases including 5 with a Bell's palsy complication (author's transl)] Fleury P, et al. **Ann Otolaryngol Chir Cervicofac** 1982;99(4-5):167-70 (Eng. Abstr.) **(Fre)**

[Acoustico-facial syndrome due to bronchial carcinoma (author's transl)] Martin H, et al. **Ann Otolaryngol Chir Cervicofac** 1981;98(4-5):225-7 (Eng. Abstr.) **(Fre)**

[Critical study of indications for the surgical exploration of the intrapetrous facial nerve] Wayoff M, et al. **J Fr Otorhinolaryngol** 1982 Feb;31(2):99-106 **(Fre)**

[Stage IV zona of the ear] Paiva A, et al. **Rev Laryngol Otol Rhinol (Bord)** 1982;103(1):65-7 (Eng. Abstr.) **(Fre)**

[Herpes zoster oticus -- neuropathologic contribution to the genesis of concomitant facial paralysis (author's transl)] Pilz P. **Wien Klin Wochenschr** 1981 Dec 25;93(24):753-5 (Eng. Abstr.) **(Ger)**

[Pregnancy and Bell's palsy--case reports and review of the literature] Nobori T, et al. **Nippon Jibiinkoka Gakkai Kaiho** 1981 Feb;84(2):174-8 **(Jpn)**

FAMILIAL & GENETIC

Heterogeneity and pleiotropism in the Moebius syndrome. Legum C, et al. **Clin Genet** 1981 Oct;20(4):254-9

Familial Bell's palsy. Massey EW. **Ear Nose Throat J** 1981 Nov;60(11):500-2

Poland-Möbius syndrome. Parker DL, et al.

J Med Genet 1981 Aug;18(4):317–20 (15 ref.)
An 18p– syndrome due to 15/18 translocation with facial palsy and deafness. Adachi K, et al. **Tohoku J Exp Med** 1981 Mar;133(3):307–11

MICROBIOLOGY

[On the viral etiology of Bell's palsy (An enzyme-linked immunosorbent assay study) (author's transl)] Mees K, et al. **Laryngol Rhinol Otol (Stuttg)** 1981 Dec;60(12):609–11 (Eng. Abstr.) **(Ger)**

OCCURRENCE

Bell's palsy among Sudanese children report of 7 cases and review of literature. Abbas KE, et al. **J Oral Med** 1981 Oct–Dec;36(4):111–3

PATHOLOGY

Structure of human muscle in facial paralysis. Belal A Jr. **J Laryngol Otol** 1982 Apr;96(4):325–34
[Dehiscence of the aquaduct of fallopii in essential facial paralysis] Martin C, et al. **J Fr Otorhinolaryngol** 1982 Jan; 31(1):27–8 (Eng. Abstr.) **(Fre)**

PHYSIOPATHOLOGY

Averaged blink reflex test. Gyo K, et al. **Auris Nasus Larynx** 1981;8(1):11–7
Loss of taste and somatic sensations over the tongue in leprous facial palsy – a case report. Malaviya GN, et al. **Lepr India** 1981 Oct;53(4):656–9
Conditions of clinical recovery from partial facial palsy caused by injury to a branch of the facial nerve. Satoh I, et al. **ORL J Otorhinolaryngol Relat Spec** 1981; 43(6):345–52
The effect of blood pressure on compression-induced facial nerve neuropraxia in the cat. Roffman GD, et al. **Otolaryngol Head Neck Surg** 1981 Jul–Aug;89(4):629–37

PSYCHOLOGY

[Residual symptoms of peripheral facial paralysis; a group of fellow sufferers helping each other cope] Hoos AM, et al. **Ned Tijdschr Geneeskd** 1981 Dec 26;125(52):2140–4 (Eng. Abstr.) **(Dut)**

REHABILITATION

Biofeedback rehabilitation in seventh nerve paralysis. Corral-Romero MA, et al. **Ann Otol Rhinol Laryngol** 1982 Mar–Apr;91(2 Pt 1):166–8

SURGERY

The facial nerve [letter] Downer RN. **Am J Otol** 1982 Jan; 3(3):295
Cross-face nerve transplantation in facial palsy. Anderl H. **Ann Chir Gynaecol** 1982;71(1):70–6
Microneurovascular free muscle reconstruction for long established facial paralysis. O'Brien BM, et al. **Ann Chir Gynaecol** 1982;71(1):65–9
Early decompression of the facial nerve in Bell's palsy. Pulec JL. **Ann Otol Rhinol Laryngol** 1981 Nov–Dec;90(6 Pt 1):570–7
Plication of the orbicularis oris muscle to repair partial paralysis of the lower lip. Mahler D, et al. **Ann Plast Surg** 1982 Mar;8(3):224–6
Tightness of the oral aperture following static suspension procedure for facial paralysis, and its correction. Zandi I. **Ann Plast Surg** 1981 Sep;7(3):239–42
Intraoral masseter muscle transposition: use with reconstruction of regional facial paralysis. Sachs ME, et al. **Arch Otolaryngol** 1982 Jul;108(7):397–400
Free microvascular and microneural transfer of the extensor digitorum brevis muscle for the treatment of unilateral facial palsy. Mayou BJ, et al. **Br J Plast Surg** 1981 Jul; 34(3):362–7
Surgery of the facial nerve. Silverstein H. **J Otolaryngol** 1981 Dec;10(6):449–58
Proximal intratemporal facial nerve in Bell's palsy surgery. A study correlating anatomical and surgical findings. Goin DW. **Laryngoscope** 1982 Mar;92(3):263–72
Bell's palsy: surgery based upon prognostic indicators and results. May M, et al. **Laryngoscope** 1981 Dec; 91(12):2092–2103
Restoration of function in long standing facial paralysis. Tucker HM. **Otolaryngol Clin North Am** 1982 Feb; 15(1):69–76
Free revascularized muscle grafts in facial palsy. Tolhurst DE, et al. **Plast Reconstr Surg** 1982 May;69(5):760–1
[Microsurgery of the facial nerve (author's transl)] Monballiu G. **Acta Chir Belg** 1982 May–Jun;82(3):281–9 (Eng. Abstr.) **(Dut)**
[Surgical treatment of paralytic lagophthalmos] Nicolai JP. **Ann Chir Plast** 1981;26(3):254–7 (Eng. Abstr.) **(Fre)**
[Möbius syndrome. Therapeutic aspects] Pons J, et al. **Ann Chir Plast** 1981;26(3):258–62 (Eng. Abstr.) **(Fre)**
[Hypoglosso-facial anastomosis. Results in 10 cases (author's transl)] Renou G, et al. **Ann Otolaryngol Chir Cervicofac** 1981;98(7–8):389–93 (Eng. Abstr.) **(Fre)**
[The versatile surgical possibilities to treat an established facial paralysis (author's transl)] Walter C. **Laryngol Rhinol Otol (Stuttg)** 1981 Dec;60(12):636–44 (Eng. Abstr.) **(Ger)**
[Hypoglossal-facial nerve cross-over for rehabilitation of the paralyzed face (author's transl)] Zehm S, et al. **Laryngol Rhinol Otol (Stuttg)** 1981 Aug;60(8):437–40 (Eng. Abstr.) **(Ger)**
[Peripheral facial paralysis in pregnancy] Lüddecke E, et al. **Z Arztl Fortbild (Jena)** 1981 Dec 1;75(23):1098–100 **(Ger)**
[Surgery for traumatic conductive hearing loss and facial nerve palsy (author's transl)] Makishima K, et al. **Nippon Jibiinkoka Gakkai Kaiho** 1981 Jan;84(1):1–5 (Eng. Abstr.) **(Jpn)**

THERAPY

Treatment of Bell's Palsy. An analysis of the available studies. Huizing EH, et al. **Acta Otolaryngol (Stockh)** 1981 Jul–Aug; 92(1–2):115–21 (24 ref.)
An opposing view on delayed facial paralysis [letter] Caparosa RJ. **Am J Otol** 1981 Oct;3(2):180–1
Pathomechanisms in cell metabolism: a key to treatment of Bell's palsy. Stennert E. **Ann Otol Rhinol Laryngol** 1981 Nov–Dec;90(6 Pt 1):577–83
Non-surgical tarsorraphy in peripheral facial nerve paralysis [letter] Scoppetta C. **Ital J Neurol Sci** 1981 Jan;2(1):97
Re-animation of the face [letter] Orlay G, et al. **Med J Aust** 1981 Jul 25;2(2):107–8
[Management of idiopathic facial palsy (author's transl)] Fisch U. **Praxis** 1982 May 18;71(20):859–64 (Eng. Abstr.) **(Ger)**
[Etiology, pathogenesis and treatment in Bell's palsy] Aviel A, et al. **Harefuah** 1981 Jun 15;100(12):579–81 **(Heb)**
[Bell's palsy (prevention and treatment)] Al'perovich PM, et al. **Zh Nevropatol Psikhiatr** 1981;81(8):1176–85 (Eng. Abstr.) **(Rus)**
[The use of acupuncture in the therapy of Bell's palsy (author's transl)] Dvorski I, et al. **Lijec Vjesn** 1982 Feb; 104(2):68–70 (Eng. Abstr.) **(Scr)**

VETERINARY

Otitis media and facial nerve paralysis in a leopard. Knecht CD, et al. **J Am Vet Med Assoc** 1981 Dec 1;179(11):1263–4

FACILITY DESIGN AND CONSTRUCTION

Development of the Cook County Medical Examiner's new facility. Current status 1981. Stein RJ. **Am J Forensic Med Pathol** 1981 Jun;2(2):151–3
Establishing a therapeutic pheresis program. Cona JA. **Artif Organs** 1981 Aug;5(3):229–33
Building a dental practice. Part 2–services. Willard PJ. **Br Dent J** 1981 Sep 15;151(6):195
Building a dental practice. Part 3—Detailed planning of surgeries. Willard PJ. **Br Dent J** 1981 Oct 6;151(7):231–3
Castor bean allergy in the upholstery department of a furniture factory. Topping MD, et al. **Br J Ind Med** 1981 Aug;38(3):293–6
Organising a practice. Converting to practice premises. Farmer MJ. **Br Med J [Clin Res]** 1982 Jun 19; 284(6332):1839–40
A new hospital library in San Diego: planning and construction. Lewis RF, et al. **Bull Med Libr Assoc** 1982 Jan;70(1):50–3
The visual feel in a dental practice. Ellis JM. **Dent Clin North Am** 1981 Oct;25(4):621–5
Considering carpets in hospital use. Simmons D, et al. **Dimens Health Serv** 1982 Jun;59(6):18–21
Art and color brighten 'Museum Mile' hospital. **Hospitals** 1982 Sep 16;56(18):36–7
Hospital leases land in exchange for medical office building. **Hospitals** 1981 Nov 16;55(22):85–6
Vinyl graphics bring appeal, color to patient care areas. **Hospitals** 1982 Jan 16;56(2):75–6
Hospital clinic aids patients with permanent visual impairments. **Hospitals** 1982 Feb 16;56(4):106–7
Pediatric medical center helps to overcome the problems of inadequate health care delivery in a rural area. **Hospitals** 1982 Feb 16;56(4):118–9
Round-the-clock child care center provides education and training for children of medical center employees. **Hospitals** 1982 Feb 16;56(4):114–6
Ambulatory care center built by and for medical school and underserved community. **Hospitals** 1982 Feb 16; 56(4):121–2, 124
Nursing home design focuses on personal needs of residents. **Hospitals** 1982 Feb 16;56(4):126–7
Regional health center stresses accessibility to primary health care and health education. **Hospitals** 1982 Feb 16; 56(4):132–3
Suburban hospital imbued with'medical center' charisma. **Hospitals** 1982 Feb 16;56(4):109–10
Pavilion will offer open, bright environment for alcoholic and psychiatric patients. **Hospitals** 1982 Feb 16; 56(4):129–30
Inner-city hospital expands to serve both urban and suburban patients. **Hospitals** 1982 Feb 16;56(4):137–8
What makes a medical office building competitive? **Hospitals** 1982 Feb 16;56(4):101–2
Design makes patients the center of all cancer services. **Hospitals** 1982 Mar 16;56(6):71–3
Fine arts budget decorates eye hospital. Beason DL. **Hospitals** 1981 Dec 16;55(24):71–2, 75
Interior design brings light into subterranean radiation center. Oliver TG. **Hospitals** 1981 Oct 16;55(20):95, 98
Facility design for outpatient surgery and anesthesia. Burn JM. **Int Anesthesiol Clin** 1982 Spring;20(1):135–51
Mercury vapor exposure in the dental office does carpeting make a difference? Kantor ML, et al. **J Am Dent Assoc** 1981 Sep;103(3):402–7
Reducing mercury exposure in the dental office [letter] Korwin R. **J Am Dent Assoc** 1982 Feb;104(2):138, 140
Office design. Contemporary Southwestern decor. Wineinger B. **J Am Optom Assoc** 1981 Sep;52(9):745–6
The effects of floor temperature, supplemental heat and drying at birth on neonatal swine. McGinnis RM, et al. **J Anim Sci** 1981 Dec;53(6):1424–32
Preschool design and child behaviour. Neill SR. **J Child Psychol Psychiatry** 1982 Jul;23(3):309–18
Carpeting in hospitals: an epidemiological evaluation. Anderson RL, et al. **J Clin Microbiol** 1982 Mar; 15(3):408–15
Instruction in physical facility construction for medical students. Peterson SE, et al. **J Med Educ** 1982 Apr; 57(4):323–5
Energy cost and cardiopulmonary responses for wheelchair locomotion and walking on tile and on carpet. Glaser RM, et al. **Paraplegia** 1981;19(4):220–6
Easy chairs for arthritic patients. Atherton J, et al. **Physiotherapy** 1982 Apr;68(4):116
Rehabilitation chair. Finlay OE. **Physiotherapy** 1981 Jul; 67(7):207
Planning a new physiotherapy department--a personal experience. Parkinson JM. **Physiotherapy** 1981 Aug; 67(8):232–4
A plan for hearing conservation. Ganday BJ. **R Soc Health J** 1982 Apr;102(2):50–2
Seating for the arthritic. Munton J. **Rep Rheum Dis** 1981 Jul;(77–78):2pp
An investigation into the problems of easy chairs used by the arthritic and the elderly. Munton JS, et al. **Rheumatol Rehabil** 1981 Aug;20(3):164–73
[Injuries of children sustained on escalators] Kabelka M. **Rozhl Chir** 1982 Apr;61(4):212–4 (Eng. Abstr.) **(Cze)**
[Pollution in underground parking lots and risks of exposure] Vu Duc T, et al. **Soz Praventivmed** 1981 Oct;26(5):322 **(Fre)**
[Experience in optimizing student instruction in the procedure for reviewing the construction designs of industrial enterprise] Chevpetsov VR, et al. **Gig Sanit** 1981 Jun;(6):86–7 **(Rus)**
[Ratio of the concentrations of volatile substances escaping from polyvinyl chloride linoleums to the environmental temperature] Vasil'eva TS, et al. **Gig Sanit** 1981 Jun; (6):15–7 (Eng. Abstr.) **(Rus)**
[Ergonomic evaluation of floor-polishing machines] Metliaev GN, et al. **Gig Tr Prof Zabol** 1981 Sep;(9):23–6 (Eng. Abstr.) **(Rus)**
[Local general health service center facilities projected for the years 1981 to 1985] Preiner T, et al. **Cesk Zdrav** 1982 Mar;30(3):125–30 (Eng. Abstr.) **(Slo)**
[Biomedical engineering in health institutions] Soni J. **Gac Med Mex** 1982 Feb;118(2):53–4 **(Spa)**

ECONOMICS

The role of the specialist in community medicine with a special interest in capital development. Telford SB. **Community Med** 1981 Aug;3(3):244–8
The development and construction of low cost aids and equipment for the younger disabled child. Lawson AM. **Int J Rehabil Res** 1981;4(2):197–8

LEGISLATION & JURISPRUDENCE

[The indoor climate in day institutions. Environmental measurements in 2 new daycare institutions constructed under the building regulation BR–77] Lundqvist GR, et al. **Ugeskr Laeger** 1982 Jan 18;144(3):169–74 (Eng. Abstr.) **(Dan)**

STANDARDS

Golden Vision Clinic, P.C. Baron SJ. **J Am Optom Assoc** 1982 Mar;53(3):239–40
The family physician's office: proposed design criteria for family centered medical care. Coble RJ, et al. **J Fam Pract** 1982 Jan;14(1):77–81
The airport designed with the handicapped users in mind. Murray H. **J Rehabil** 1981 Jul–Sep;47(3):40–4
Sitting down on the job: not as easy as it sounds. **Occup Health Saf** 1981 Oct;50(10):24–6
Standard fire tests for building materials and structures. Read RE. **R Soc Health J** 1981 Oct;101(5):190–5
[Standardization of guidelines for autopsy and pathology departments] Janik V, et al. **Cesk Patol** 1981 Aug; 17(3):133–42 **(Cze)**
[Experience in teaching the preventive medicine inspection of the design and construction of children's educational facilities] Borisenko NF, et al. **Gig Sanit** 1981 Aug;(8):43–6 **(Rus)**
[Experience with preventive sanitary inspection of the design of the galleries in Donbass mines] Chernykh OV, et al. **Gig Sanit** 1982 Apr;(4):88–9 **(Rus)**
[Hygienic basis of air exchange in enclosed sports facilities] Ivlev VI. **Gig Sanit** 1981 Oct;(10):87–8 **(Rus)**

[The relationship between research and standardization in the construction of health facilities] Preiner T, et al. **Cesk Zdrav** 1981 Oct;29(10):389–92 (Eng. Abstr.) **(Slo)**

FACILITY REGULATION AND CONTROL

Hospital taxation: the dollars and the sense of it. Schroeder DH. **Health Care Manage Rev** 1982 Spring;7(2):7–16

Can Reagan really reform regulation? DeWitt C. **Hospitals** 1981 Sep 1;55(17):87–9

Where you stand depends on where you sit: musings on the regulation/competition dialogue. Cohodes DR. **J Health Polit Policy Law** 1982 Spring;7(1):54–79

Barriers to coordinating health services regulatory programs. Mahler J. **J Health Polit Policy Law** 1981 Fall;6(3):528–41

Government regulation of the hospital industry in Colorado. Rice D. **J Public Health Policy** 1981 Mar;2(1):58–69

The regulation strategy for controlling hospital costs. Schwartz WB. **N Engl J Med** 1981 Nov 19;305(21):1249–55

Communications programs of the Commission on Cancer, American College of Surgeons. Smart CR. **Prog Clin Biol Res** 1982;83:107–10

Case mix and regulation. Cohen HA, et al. **Top Health Care Financ** 1982 Summer;8(4):21–8

Alternative delivery systems to diversify hospital revenues. Johnson RL. **Top Health Care Financ** 1981 Fall;8(1):49–56

[Regulations for industrial establishments devoted to the manufacture of raw materials for compounding drugs and for laboratories or factories] **Salud Publica Mex** 1982 Mar–Apr;24(2):212–9 **(Spa)**

ECONOMICS

Federal laboratory regulation: operational improvement and cost impact. Crystal RA. **Am J Med Technol** 1981 Aug; 47(8):613–7

Health care regulation and the economics of federal health care policies. Higgins CW, et al. **Health Care Manage Rev** 1981 Fall;6(4):41–7

The cost of regulation: a further note. Watts CA, et al. **Health Serv Res** 1981 Winter;16(4):467–73

Competition and the marketplace for health care—it won't be problem free. Heyssel RM. **Hospitals** 1981 Nov 16; 55(22):107–8, 110, 113–4

The New York cost-of-regulation study: a severe case of myopia. Cirn JT. **J Health Polit Policy Law** 1981 Summer; 6(2):321–7

STANDARDS

A laboratory productivity monitoring system. Olsen KE, et al. **Am J Med Technol** 1981 Aug;47(8):631–7

EPA issues hazardous waste rules [news] Sun M. **Science** 1982 Jul 30;217(4558):430

TRENDS

It's going to hurt for more than just a little while [interview] Blendon R. **Hospitals** 1982 Jan 1;56(1):61–4

Cost containment and pro-competition legislation overrun deregulation efforts. McCarthy CM. **Hospitals** 1982 Apr 1;56(7):76–9

Economic and legal controls of health care in the '80s: wither regulation? Clarke GJ. **J Fla Med Assoc** 1982 Mar; 69(3):182–6

Law-medicine notes. An end to federal regulation: the good, the bad, and the unnecessary. Curran WJ. **N Engl J Med** 1982 Mar 18;306(11):653–4

FACTITIOUS DISORDERS

Factitial Dermatitis—Cao Gio. Silfen E, et al. **Cutis** 1981 Oct;28(4):399–400

Symptomatic hypokalemia resulting from surreptitious diuretic ingestion. Rodman JS, et al. **JAMA** 1981 Oct 9; 246(15):1687–9

CLASSIFICATION

Mind-body disorders. Classification. Mendel JG. **NY State J Med** 1982 Jan;82(1):76–8

DIAGNOSIS

Pseudodementia and schizophrenia [letter] Fisman M. **Am J Psychiatry** 1982 Jun;139(6):846

The dexamethasone suppression test in two patients with severe depressive pseudodementia. McAllister TW, et al. **Am J Psychiatry** 1982 Apr;139(4):479–81

Psychogenic seizures. A study of 42 attacks in six patients, with intensive monitoring. Desai BT, et al. **Arch Neurol** 1982 Apr;39(4):202–9

Pseudodementia or Ganser syndrome in a ten year old boy. Adler R. **Aust NZ J Psychiatry** 1981 Dec;15(4):339–42

C-peptide suppression test and sulphonylurea-induced factitious hypoglycaemia. Harrop JS, et al. **Br Med J [Clin Res]** 1982 Mar 27;284(6320):940–1

Factitious illness: a multidisciplinary consideration of ethical issues. Ford CV, et al. **Gen Hosp Psychiatry** 1981 Dec; 3(4):329–36

Hypokalemic myopathy associated with intranasal steroid use (factitious mineralocorticoid excess syndrome. Cantello R, et al. **J Neurol** 1982;226(4):265–8

Depressive illness masquerading as dementia in the elderly. Kiloh LG. **Med J Aust** 1981 Nov 14;2(10):550–3

Truth is stranger than factitious [editorial] Hamolsky MW. **N Engl J Med** 1982 Aug 12;307(7):436–7

Low serum thyroglobulin as a clue to the diagnosis of thyrotoxicosis factitia. Mariotti S, et al. **N Engl J Med** 1982 Aug 12;307(7):410–2

Factitious illness in gynecology. Hustead RM, et al. **Obstet Gynecol** 1982 Feb;59(2):214–9

Pseudodementia: Use of the DST in diagnosis and treatment monitoring. Rudorfer MV, et al. **Psychosomatics** 1982 Apr; 23(4):429–31

[The Ganser syndrome] Hoffmann H, et al. **Psychiatr Neurol Med Psychol (Leipz)** 1982 May; 34(5):276–81 **(Ger)**

[Factitious fever as the causal agent for fever of unknown origin (author's transl)] Ferrer Iturralde J, et al. **Med Clin (Barc)** 1982 Mar 16;78(6):221–5 (Eng. Abstr.) **(Spa)**

ETIOLOGY

[Pseudodementia in frontal tumours (author's transl)] Diemath HE. **Acta Neurol Belg** 1982 Jan–Feb;82(1):12–9 (Eng. Abstr.) **(Ger)**

PSYCHOLOGY

Severe depressive pseudodementia with and without dementia. McAllister TW, et al. **Am J Psychiatry** 1982 May;139(5):626–9

Pseudodementia. Current concepts and future directions. Caine ED. **Arch Gen Psychiatry** 1981 Dec;38(12):1359–64

Autovenipuncture as a cause of factitial anemia. Granacher RP Jr. **J Nerv Ment Dis** 1982 May;170(5):308–10

Code blue—factitious cyanosis. Kellner CH, et al. **J Nerv Ment Dis** 1982 Jun;170(6):371–2

FACTOR I see **FIBRINOGEN**

FACTOR II see **PROTHROMBIN**

FACTOR III see **THROMBOPLASTIN**

FACTOR IV see **CALCIUM**

FACTOR V

ANALYSIS

Coagulation factor V exists uncomplexed in bovine plasma. Ittyerah TR, et al. **Biochim Biophys Acta** 1982 Feb 25; 714(3):524–9

Radioimmunoassay of factor V in human plasma and platelets. Tracy PB, et al. **Blood** 1982 Jul;60(1):59–63

ANTAGONISTS & INHIBITORS

An inhibitor against factor V occurring postoperatively in a case of pancreatic cancer. Kuto M, et al. **Nippon Ketsueki Gakkai Zasshi** 1981 Jul;44(4):938–50

[Anticoagulants with antithrombinase activity in systemic lupus erythematosus (author's transl)] Jungers P, et al. **Nephrologie** 1980;1(2):67–8 (Eng. Abstr.) **(Fre)**

BIOSYNTHESIS

Agkistrodon acutus snake venom inhibits prothrombinase complex formation. Teng CM, et al. **Thromb Res** 1981 Aug 1;23(3):255–63

BLOOD

The nature of the binding for prothrombinase at the platelet surface as revealed by lipolytic enzymes. Bevers EM, et al. **Eur J Biochem** 1982 Feb;122(1):81–5

IMMUNOLOGY

Immunochemical studies of factor V of bovine platelets. Ittyerah TR, et al. **Eur J Biochem** 1981 Nov;120(2):235–41

ISOLATION & PURIFICATION

Factor V. Nesheim ME, et al. **Methods Enzymol** 1981;80 Pt C:249–74 (60 ref.)

METABOLISM

Combined factor V–VIII deficiency: a case report with studies of factor V and VIII activation by thrombin. Hultin MB, et al. **Blood** 1981 Nov;58(5):983–5

Complex formation between thrombin and thrombomodulin inhibits both thrombin-catalyzed fibrin formation and factor V activation. Esmon CT, et al. **J Biol Chem** 1982 Jul 25;257(14):7944–7

Formation of a calcium-binding site on bovine activated factor V following recombination of the isolated subunits. Guinto ER, et al. **J Biol Chem** 1982 Sep 10; 257(17):10038–43

The interaction of human coagulation factor Va with platelets. Kane WH, et al. **J Biol Chem** 1982 Apr 10; 257(7):3963–9

Assembly of the prothrombinase complex in the absence of prothrombin. Nesheim ME, et al. **J Biol Chem** 1981 Oct 10;256(19):9874–82

Studies of the capacity of factor Xa to protect factor Va from inactivation by activated protein C. Nesheim ME, et al. **J Biol Chem** 1982 Feb 10;257(3):1443–7

Thrombin-catalyzed activation of human coagulation factor V. Suzuki K, et al. **J Biol Chem** 1982 Jun 10; 257(11):6556–64

Association of coagulation factor V with the platelet cytoskeleton. Tuszynski GP, et al. **J Biol Chem** 1982 Apr 25;257(8):4557–63

Regulation of activated protein C by protein S. The role of phospholipid in factor Va inactivation. Walker FJ. **J Biol Chem** 1981 Nov 10;256(21):11128–31

Snake venom proteases that activate blood-coagulation factor V. Kisiel W, et al. **Methods Enzymol** 1981;80 Pt C:275–85

Factor V binding to human platelets: the role of divalent cations and of platelet preparatory methods. Ittyerah TR, et al. **Thromb Res** 1982 Apr 1;26(1):59–71

Prothrombinase in alpha-thrombin formation. Seegers WH. **Thromb Res** 1982 May 15;26(4):303–5

[Effects of Vipera berus venom on the activity of some coagulation factors] Bruno C, et al. **Boll Soc Ital Biol Sper** 1981 Sep 30;57(18):1859–61 (Eng. Abstr.) **(Ita)**

PHYSIOLOGY

Differentiation of factor V-like coagulant activity from catalytic phospholipid-like surface activity in membrane fractions derived from human platelets. Dombrose FA, et al. **Thromb Res** 1981 Jun 1–25;22(5–6):603–21

SECRETION

Subcellular localization and secretion of factor V from human platelets. Chesney CM, et al. **Proc Natl Acad Sci USA** 1981 Aug;78(8):5180–4

FACTOR V DEFICIENCY

BLOOD

Radioimmunoassay of factor V in human plasma and platelets. Tracy PB, et al. **Blood** 1982 Jul;60(1):59–63

COMPLICATIONS

Combined factor V–VIII deficiency: a case report with studies of factor V and VIII activation by thrombin. Hultin MB, et al. **Blood** 1981 Nov;58(5):983–5

THERAPY

Management of labor in a patient with factor V deficiency. Langer R, et al. **Isr J Med Sci** 1982 Jun;18(6):701–3

FACTOR VII

Enzymatic activities of activated and zymogen forms of human Hageman factor (factor XII). Silverberg M, et al. **Blood** 1982 Jul;60(1):64–70

ADMINISTRATION & DOSAGE

[Gastrectomy in congenital factor VII deficiency with substitution of factor VII concentrate] Schricker KT, et al. **Med Klin** 1981 Sep 11;76(19):534–6 (Eng. Abstr.) **(Ger)**

ANALYSIS

An assessment of an amidolytic assay for factor VII in the laboratory control of oral anticoagulants. Poller L, et al. **Br J Haematol** 1981 Sep;49(1):69–75

ANTAGONISTS & INHIBITORS

Inhibition of activated factors II, VII, IX, and X by synthetic organic compounds directed against the active-site seryl residue. Van der Woerd-de Lange JA, et al. **Haemostasis** 1981;10(6):315–47

DIAGNOSTIC USE

Factor VII in liver cirrhosis. Orlando M, et al. **Haemostasis** 1982;11(2):73–8

ISOLATION & PURIFICATION

Production of freeze-dried human antihaemophilic cryoprecipitate. Millgan G, et al. **J Clin Pathol** 1981 Oct; 34(10):1091–3

METABOLISM

Binding of human factor VII and VIIa to monocytes. Broze GJ Jr. **J Clin Invest** 1982 Sep;70(3):526–35

Protection of platelet surface bound factors IXa and VIII against specific inhibitors. Váradi K, et al. **Thromb Haemost** 1982 Feb 26;47(1):32–5

[Congenital factor VII deficiency. Report of 4 cases] Bergna LJ, et al. **Medicina (B Aires)** 1981;41 Suppl:242–8 (Eng. Abstr.) **(Spa)**

PHARMACODYNAMICS

Plasma high density lipoproteins inhibit the activation of coagulation factor X by factor VIIa and tissue factor. Carson SD. **FEBS Lett** 1981 Sep 14;132(1):37–40

PHYSIOLOGY

The dual role of factor VII in blood coagulation. Initiation and inhibition of a proteolytic system by a zymogen. Zur M, et al. **J Biol Chem** 1982 May 25;257(10):5623–31

The role of augmented Hageman factor (factor XII) titers in the cold-promoted activation of factor VII and spontaneous shortening of the prothrombin time in women using oral contraceptives. Gordon EM, et al. **J Lab Clin Med** 1982 Mar;99(3):363–9

STANDARDS

Stability of freeze-dried factor VIII standards [letter] Rhoades P. **Med J Aust** 1981 Sep 5;2(5):260

FACTOR VII DEFICIENCY see **HYPOPROCONVERTINEMIA**

FACTOR VIII

Pulmonary emboli associated with coagulum pyelolithotomy. Pence JR 2d, et al. **J Urol** 1982 Mar;127(3):572–3

Preparation and use of cryoprecipitate in a developing country [letter] Essien EM, et al. **Lancet** 1982 Jul 10; 2(8289):109

Blood group A and B activity associated with factor VIII – von Willebrand factor. Mazurier C, et al. **Rev Fr Transfus Immunohematol** 1981 Jun;24(3):289–97

Adsorption of human factor VIII to barium sulfate [letter] McCarroll D, et al. **Thromb Haemost** 1981 Oct;46(3):667

Aluminium hydroxide absorption of factor VIII procoagulant antigen from plasma and factor VIII concentrate. Kemball-Cook G, et al. **Thromb Res** 1981 Jul 1–15; 23(1–2):193–6

Coagulum-facilitated urethral diverticulectomy [letter] Berger RM, et al. **Urology** 1982 Aug;20(2):227

[Activation of the antihemophilic globulin A (factor VIII). 2. Effect of ampholine on the course of blood coagulation and the molecular conformation of factor VIII] Liebe S. **Z Gesamte Inn Med** 1982 Feb 15;37(4):110–6 (Eng. Abstr.) **(Ger)**

[Increased blood level of factor VIII. A critical review (author's transl)] Ponari O, et al. **Haematologica (Pavia)** 1981 Jun;66(3):345–78 (248 ref.) (Eng. Abstr.) **(Ita)**

[Characterization of FVIII/VW circulating after DDAVP administration (author's transl)] Vicente V, et al. **An Esp Pediatr** 1981 Jun;14(6):436–43 (Eng. Abstr.) **(Spa)**

ADMINISTRATION & DOSAGE

Vascular access in hemophilia. Powell TW, et al. **Am Surg** 1981 Sep;47(9):408–9

Low doses of factor VIII for selected ankle bleeds in severe haemophilia A. Aronstam A, et al. **Br Med J [Clin Res]** 1982 Mar 13;284(6318):790

Cryoprecipitate coagulum as an adjunct to surgery for diverticula of the female urethra. Feldstein MS. **J Urol** 1981 Nov;126(5):698–9

Successive factor VIII doses for a haemophiliac undergoing major surgery calculated on a micro-computer. Duncan B, et al. **Thromb Haemost** 1982 Feb 26;47(1):66–8

[Transient remission of a non-haemophilic patient with acquired factor VIII inhibitor treated with a single infusion of factor VIII and cyclophosphamide (author's transl)] Kutsuzawa T, et al. **Rinsho Ketsueki** 1982 Feb;23(2):173–9 (Eng. Abstr.) **(Jpn)**

ADVERSE EFFECTS

Blood product concentrates and chronic live disease [letter] Preston FE, et al. **Lancet** 1982 Mar 6;1(8271):565

Short incubation non-A, non-B hepatitis transmitted by factor VIII concentrates in patients with congenital coagulation disorders: a preliminary report of an antigen/antibody system. Bamber M, et al. **Med Lab Sci** 1981 Oct;38(4):373–8

Acute hepatitis non-A, non-B following administration of factor VIII concentrates. Norkrans G, et al. **Vox Sang** 1981 Sep;41(3):129–33

[Side-effects of factor VIII substitution in patients with hemophilia A (author's transl)] Tilsner V, et al. **MMW** 1982 Jun 4;124(22):553–7 (Eng. Abstr.) **(Ger)**

[Hepatic changes in hemophiliac patients] Pérez Bianco PR, et al. **Medicina (B Aires)** 1981;41 Suppl:257–61 (Eng. Abstr.) **(Spa)**

ANALYSIS

Belgian standards for factor VIII related properties: preliminary data. Fondu P, et al. **Acta Clin Belg** 1982; 37(2):72–9

Localization of factor VIII/von Willebrand factor and glial fibrillary acidic protein in the hemangioblastoma: implications for stromal cell histogenesis. McComb RD, et al. **Acta Neuropathol (Berl)** 1982;56(3):207–13

A collaborative study on the suitability of commercial, assayed plasmas for one-stage factor VIII assays. Harper TA, et al. **Am J Clin Pathol** 1982 May;77(5):614–8

Megakaryocytic leukemia; identification utilizing anti-factor VIII immunoperoxidase. Innes DJ Jr, et al. **Am J Clin Pathol** 1982 Jan;77(1):107–10

Factor VIII/von Willebrand factor protein: sensitivity of periodic acid Schiff stain to carbohydrate deficiency. Gralnick HR, et al. **Blood** 1982 Jun;59(6):1310–6

Activation of factor VIII by factor IXa. Rick ME. **Blood** 1982 Sep;60(3):744–51

Multimeric composition of factor VIII/von Willebrand factor following administration of DDAVP: implications for pathophysiology and therapy of von Willebrand's disease subtypes. Ruggeri ZM, et al. **Blood** 1982 Jun; 59(6):1272–8

Influence of high molecular weight factor VIII on the measurement of low molecular weight factor VIII procoagulant in different assay systems. Muntean W, et al. **Br J Haematol** 1982 Aug;51(4):649–58

The relationship between plasma levels of the factor VIII complex and platelet release products (beta-thromboglobulin and platelet factor 4) in children with the hemolytic-uremic syndrome. Appiani AC, et al. **Clin Nephrol** 1982 Apr;17(4):195–9

The clinical relevance of factor VIII: C and factor VII R: Ag determination in newborns. von Kries R, et al. **Eur J Pediatr** 1981 Oct;137(2):189–94

Myocardial infarction and factor VIII [letter] Green D, et al. **J Chronic Dis** 1982;35(3):231

Effect of height and weight on the in vivo recovery of transfused factor VIII C. Aronstam A, et al. **J Clin Pathol** 1982 Mar;35(3):289–91

Specificity and sensitivity of immunohistochemical detection of factor VIII/von Willebrand factor antigen in formalin-fixed paraffin-embedded tissue. McComb RD, et al. **J Histochem Cytochem** 1982 Apr;30(4):371–7

Response to fibrinolytic activity and factor VIII-related antigen to stimulation with desmopressin in hyperlipoproteinemia. Brommer EJ, et al. **J Lab Clin Med** 1982 Jul;100(1):105–14

Studies on the pathophysiology and treatment of von Willebrand's disease. II. Gel filtration studies on plasma factor VIII in von Willebrand's disease. Takahashi H. **Nippon Ketsueki Gakkai Zasshi** 1981 Feb;44(1):165–72

Transitoriness of the alteration of factor VIII in von Willebrand's disease [letter] Castillo R, et al. **Thromb Haemost** 1981 Dec 23;46(4):760

Increased factor VIII associated activities in Cushing's syndrome: a probable hypercoagulable state. Dal Bo Zanon R, et al. **Thromb Haemost** 1982 Apr 30;47(2):116–7

Von Willebrand activity of low molecular weight human Factor VIII increases by binding to gold granules. Furlan M, et al. **Thromb Haemost** 1981 Jun 30;45(3):242–6

Kinetic analysis of bovine factor VIII in the hemophilic dog. Gentry PA, et al. **Thromb Haemost** 1981 Aug 28; 46(2):485–8

Characterization of a form of bovine factor VIII which does not aggregate human platelets. Kirby EP. **Thromb Haemost** 1981 Aug 28;46(2):479–84

Heterogeneity of molecular size of factor VIII/von Willebrand factor in von Willbrand's disease. Mikami S, et al. **Thromb Haemost** 1981 Jun 30;45(3):272–5

Factor VIII: C and factor VIII R: Ag in Argentine hemorrhagic fever. Molinas FC, et al. **Thromb Haemost** 1981 Aug 28;46(2):525–7

Chromatography of antihemophilic factor on diaminoalkane- and aminoalkane-derivatized Sepharose. Morgenthaler JJ. **Thromb Haemost** 1982 Apr 30;47(2):124–7

Preliminary results on the carbohydrate moiety of factor VIII/von Willebrand factor (FVIII/vWf). Samor B, et al. **Thromb Res** 1982 Jan 1 & 15;25(1–2):81–9

Accumulative effect of DDAVP and heparin in increasing plasma factor VIII levels. Rock G, et al. **Vox Sang** 1981; 41(1):56–60

[DDAVP and its effect on factor VIII activity (author's transl)] Sikorová J, et al. **Cas Lek Cesk** 1981 May 7; 120(18):553–6 (Eng. Abstr.) **(Cze)**

[Factor VIII (coagulation activity VIII:C, antigen concentration VIIIR:Ag and von Willebrand factor) in patients with clinically expected intravascular coagulation] Tran TH, et al. **Schweiz Med Wochenschr** 1981 Oct 10; 111(41):1542–3 (Eng. Abstr.) **(Ger)**

[Individuation of female hemophilia carriers by means of a simple graphic method based on the discriminating power of 2 variables] Rovida S, et al. **Arch E Maragliano Patol Clin** 1978;34(2):175–8 (Eng. Abstr.) **(Ita)**

[Behavior of some blood coagulation parameters in angiographically documented coronary arteriosclerosis] Panizza P, et al. **Haematologica (Pavia)** 1981 Dec; 66(6):768–78 (Eng. Abstr.) **(Ita)**

[Evaluation of factor VIII during renal diseases] Loschiavo C, et al. **Minerva Nefrol** 1981 Jan-Mar;28(1):5–10 (Eng. Abstr.) **(Ita)**

[Factor VIII and glomerular nephropathy] Ponticelli C, et al. **Minerva Nefrol** 1981 Jan-Mar;28(1):1–4 (Eng. Abstr.) **(Ita)**

[Studies on rabbit factor VIII. Properties of high and low molecular weight factor VIII and their changes after DIC (author's transl)] Kimura N, et al. **Nippon Ketsueki Gakkai Zasshi** 1981 May;44(3):675–82 (Eng. Abstr.) **(Jpn)**

[Determination of factor VIII and screening of factor VIII related diseases] Hashimoto S. **Nippon Rinsho** 1981; 39(12):3728–36 (21 ref.) **(Jpn)**

[Factor VIII and its subcomponents] Ikeda Y, et al. **Nippon Rinsho** 1981;39(12):3615–22 (39 ref.) **(Jpn)**

[Factor VIII complex activities in acute leukemia] Pniejnia-Olszyński W, et al. **Acta Haematol Pol** 1980 Oct-Nov;11(4):239–47 (Eng. Abstr.) **(Pol)**

ANTAGONISTS & INHIBITORS

In vitro detection of mild inhibitors to factor VIII in hemophilia. Ewing NP, et al. **Am J Clin Pathol** 1982 Jun; 77(6):749–52

Syndrome of an acquired inhibitor of factor VIII responsive to cyclophosphamide and prednisone. Herbst KD, et al. **Ann Intern Med** 1981 Nov;95(5):575–8

Corticosteroid therapy for acquired F VIII:C inhibitors. Spero JA, et al. **Br J Haematol** 1981 Aug;48(4):635–42

Plasma exchange in non-haemophiliac patients with inhibitors to factor VIIIC. Erskine JG, et al. **Br Med J [Clin Res]** 1981 Sep 19;283(6294):760

Acquired inhibitor to human factor VIII associated with paraproteinaemia and subsequent development of chronic lymphatic leukaemia. Kelsey PR, et al. **Br Med J [Clin Res]** 1982 Jul 17;285(6336):174–5

Post-partum treatment of a patient with a factor VIII inhibitor [letter] Files JC, et al. **N Engl J Med** 1981 Dec 31;305(27):1650

Management of inhibitors to factor VIII. Kasper CK. **Prog Hematol** 1981;12:143–63

A survey of 215 non-hemophilic patients with inhibitors to Factor VIII. Green D, et al. **Thromb Haemost** 1981 Jun 30;45(3):200–3

[Factor VIII inhibitor in pancreatic cancer] Lauritsen K, et al. **Ugeskr Laeger** 1981 Jun 8;143(24):1541 (Eng. Abstr.) **(Dan)**

[Inhibitors and 'bypass' therapy in hemophilia] Fukutake K, et al. **Nippon Rinsho** 1981;39(12):3688–99 (72 ref.) **(Jpn)**

[Case of pemphigus vulgaris with development of factor VIII inhibitor: successful treatment with plasma exchange] Takada M, et al. **Rinsho Ketsueki** 1981 Oct;22(10):1605–10 **(Jpn)**

BLOOD

Factor VIII activity in chronic renal disease. Wegmüller E, et al. **Nephron** 1981;28(4):157–62

GENETICS

A variant of von Willebrand's disease with abnormal expression of factor VIII procoagulant activity. Montgomery RR, et al. **Blood** 1982 Jul;60(1):201–7

Carriers and noncarriers of haemophilia A: I. Multivariate analysis of pedigree data, screening blood coagulation tests and factor VIII variables. Wahlberg T, et al. **Thromb Res** 1982 Mar 1;25(5):401–14

[Function and mode of inheritance of factor VIII] Fujimaki M, et al. **Nippon Rinsho** 1981;39(12):3721–7 (33 ref.) **(Jpn)**

IMMUNOLOGY

Association between factor VIII related antigen and plasminogen activator. Nilsson IM, et al. **Acta Med Scand** 1982;211(1–2):105–12

Alveolar rhabdomyosarcoma associated with disseminated intravascular coagulation and a unique factor VIII antigen. Butler WM, et al. **Arch Intern Med** 1982 Jul;142(7):1379–80

Immunohistochemical identification of factor VIII-related antigen in the intravascular bronchioloalveolar tumor of the lung [letter] Weldon-Linne CM, et al. **Arch Pathol Lab Med** 1981 Nov;105(11):628–9

Distribution of plasma fibronectin (cold-insoluble globulin) and components of the factor VIII complex after heparin-induced precipitation of plasma. Amrani DL, et al. **Blood** 1982 Mar;59(3):657–63

Monoclonal antibodies to porcine factor VIII coagulant and their use in the isolation of active coagulant protein. Fass DN, et al. **Blood** 1982 Mar;59(3):594–600

Factor VIII/von Willebrand factor binding to von Willebrand's disease platelets. Gralnick HR, et al. **Blood** 1982 Aug;60(2):328–32

Thrombin-mediated release of factor VIII antigen from human umbilical vein endothelial cells in culture. Levine JD, et al. **Blood** 1982 Aug;60(2):531–4

A monoclonal antibody to VIII:C produced by a mouse hybridoma. Muller HP, et al. **Blood** 1981 Nov;58(5):1000–6

Electron microscopic localization of factor-VIII-related antigen in adult human blood vessels. Rand JH, et al. **Blood** 1982 Sep;60(3):627–34

Binding of low-molecular-weight canine factor VIII coagulant from von Willebrand plasma to canine factor VIII-related antigen. Benson RE, et al. **Br J Haematol** 1981 Dec;49(4):541–50

Factor VIII inhibitors revisited. Bloom AL. **Br J Haematol** 1981 Nov;49(3):319–24 (34 ref.)

Factor VIII clotting antigen (VIIICAg) in haemophilia measured by two immunoradiometric assays (IRMA) using different antibodies, and the measurement of inhibitors to procoagulant factor VIII (VIIIC) by IRMA. Furlong RA, et al. **Br J Haematol** 1981 Aug;48(4):643–50

Crossed affinity electrophoresis of factor VIII related antigen [letter] Howard M, et al. **Br J Haematol** 1982 Feb; 50(2):379–80

Crossed affinity electrophoresis of factor VIII-related antigen [letter] Krauss JS, et al. **Br J Haematol** 1981 Aug; 48(4):665–6

Precipitating anti-VIII:C antibodies in two patients with haemophilia A. Lavergne JM, et al. **Br J Haematol** 1982

Jan;50(1):135–46

Carrier detection in haemophilia a by immunological measurement of factor VIII related antigen (VIIIRAg) and factor VIII clotting antigen (VIIICAg). Peake IR, et al. **Br J Haematol** 1981 Aug;48(4):651–60

Simplified immunoradiometric assay for factor VIII coagulant antigen. Thomas KB, et al. **Br J Haematol** 1982 May;51(1):47–57

Plasma exchange in non-haemophiliac patients with inhibitors to factor VIIIC. Erskine JG, et al. **Br Med J [Clin Res]** 1981 Sep 19;283(6294):760

Factor VIII related antigen in adenomatoid tumors: implications for histogenesis. Bell DA, et al. **Cancer** 1982 Sep 1;50(5):932–8

A case of acquired haemophilia. Levy LM, et al. **Cent Afr J Med** 1982 Feb;28(2):29–32

Enzyme immunoassay for factor VIII-related antigen. Cejka J. **Clin Chem** 1982 Jun;28(6):1356–8

Immunologic studies of antihemophilic factor (AHF, VIII:C). VI. Characterization of antigenic determinants using human antibodies. Gawryl MS, et al. **Clin Immunol Immunopathol** 1982 May;23(2):517–26

Plasmapheresis: its value in the management of patients with antibodies to factor VIII. Francesconi M, et al. **Haemostasis** 1982;11(2):79–86

Hemangioblastomas: histogenesis of the stromal cell studied by immunocytochemistry. Jurco S 3d, et al. **Hum Pathol** 1982 Jan;13(1):13–8

Cardiac myxoma (endocardioma). An immunocytochemical assessment of histogenesis. Morales AR, et al. **Hum Pathol** 1981 Oct;12(10):896–9

Abnormal antigenic reactivity of factor VIII/von Willebrand factor subunit in variants of von Willebrand's disease. Girma JP, et al. **J Lab Clin Med** 1982 Apr;99(4):481–94

The multimeric distribution of factor VIII–related antigen studied by an improved crossed–immunoelectrophoresis technique. Lamb MA, et al. **J Lab Clin Med** 1981 Nov; 98(5):751–63

An immunohistochemical study of adenomatoid tumors utilizing keratin and factor VIII antibodies. Evidence for a mesothelial origin. Barwick KW, et al. **Lab Invest** 1982 Sep;47(3):276–80

Highly purified porcine factor VIII in haemophilia A [letter] Hewitt P, et al. **Lancet** 1982 Mar 27;1(8274):741–2

Immunoradiometric assays for factor VIII antigens: coagulant protein (antihemophilic factor) and factor VIII–related protein (von Willebrand factor). Hoyer LW, et al. **Methods Enzymol** 1982;84 Pt D:51–60

Pseudo–von Willebrand's disease [editorial] Hoyer LW. **N Engl J Med** 1982 Feb 11;306(6):360–2

Pseudo–von Willebrand's disease. An intrinsic platelet defect with aggregation by unmodified human factor VIII/von Willebrand factor and enhanced adsorption of its high–molecular–weight multimers. Weiss HJ, et al. **N Engl J Med** 1982 Feb 11;306(6):326–33

Heterogeneity of factor VIII–related antigen in newborn cord blood. Fukui H, et al. **Nippon Ketsueki Gakkai Zasshi** 1981 Jul;44(4):921–8

Behavioral medicine in pain and analgesia management for the hemophilic child with factor VIII inhibitor. Varni JW, et al. **Pain** 1981 Aug;11(1):121–6

Characterization of the human factor VIII procoagulant protein with a heterologous precipitating antibody. Fulcher CA, et al. **Proc Natl Acad Sci USA** 1982 Mar;79(5):1648–52

Monoclonal antibodies against human factor VIII molecular neutralize antihemophilic factor and ristocetin cofactor activities. Sola B, et al. **Proc Natl Acad Sci USA** 1982 Jan; 79(1):183–7

Analysis of factor VIII coagulant antigen in normal, thrombin–treated, and hemophilic plasma. Weinstein M, et al. **Proc Natl Acad Sci USA** 1981 Aug;78(8):5137–41

Rationale for the treatment of von Willebrand's disease. Sultan Y. **Prog Clin Biol Res** 1981;72:149–62

Absence of anamnestic response after transfusion of washed red blood cells in haemophilia A patients with antibody to factor VIII. Laurian Y, et al. **Scand J Haematol** 1982 Mar;28(3):233–7

Characterization of an antibody to factor VIII in a patient with acquired hemophilia with circulating immune complexes. Ly B, et al. **Scand J Haematol** 1982 Feb; 28(2):132–40

Acquired haemophilia: functional study of antibodies to Factor VIII. Allain JP, et al. **Thromb Haemost** 1981 Jun 30;45(3):285–9

A comparison of the Bethesda and New Oxford methods of factor VIII antibody assay. Austen DE, et al. **Thromb Haemost** 1982 Feb 26;47(1):72–5

HLA antigens and factor VIII antibody in classic hemophilia. European study group of factor VIII antibody. Frommel D, et al. **Thromb Haemost** 1981 Dec 23;46(4):687–9

Possible evidence for an increased factor VIII antigen synthesis in vascular endothelium of diabetic subjects [letter] Giustolisi R, et al. **Thromb Haemost** 1982 Jun 28; 47(3):293

Studies on human factor VIII and its antibodies using radiolabelling and affinity chromatography. Kavanagh ML, et al. **Thromb Haemost** 1981 Jun 30;45(3):267–71

Factor VIII: C and factor VIII R: Ag in Argentine hemorrhagic fever. Molinas FC, et al. **Thromb Haemost** 1981 Aug 28;46(2):525–7

Rabbit antibodies against the procoagulant activity (VIII:C) of human factor VIII. Some theoretical and practical considerations on the human factor VIII molecule using heterologous antibodies. Tran TH, et al. **Thromb Haemost** 1981 Dec 23;46(4):699–705

Production of antibodies to human factor VIII in the ascitic fluid of C57BL/6J mice. Bobrow MN, et al. **Thromb Res** 1982 Mar 15;25(6):465–73

Studies on the relationship between factor VIII related antigen (VIIIRAg) and factor VIII clotting antigen (VIIICAg) by immunoelectrophoresis and autoradiography using 125I anti VIIICAg. Davies BL, et al. **Thromb Res** 1981 Apr 1–15;22(1–2):87–96

Studies on the haemostatic system in peripheral arterial disease. 2. Variations in factor VIII components (FVIII:C ; FVIIIR:Ag ; FVIII:WF) before and after venous occlusion. Dettori AG, et al. **Thromb Res** 1981 Jun 1–25; 22(5–6):559–64

The identification and functional significance of factor VIII components on normal platelets. Flaum MA, et al. **Thromb Res** 1982 May 1;26(3):165–75

Laboratory evidence of DIC under FEIBA treatment of a hemophilic patient with intracranial bleeding and high titre factor VIII inhibitor. Fukui H, et al. **Thromb Res** 1981 Apr 1–15;22(1–2):177–84

Possible cross–linking of factor VIII related antigen to fibrin by factor XIII in delayed coagulation process. Hada M, et al. **Thromb Res** 1982 Jan 1 & 15;25(1–2):163–8

Immunoradiometric assay of VIII:CAg, a potential tool to detect human anti–VIII:C antibodies. Hellings JA, et al. **Thromb Res** 1982 May 15;26(4):297–302

Antibodies to human factor VIII complex from BALB/c mice. Joshua DE, et al. **Thromb Res** 1981 May 1; 22(3):345–52

Aluminium hydroxide absorption of factor VIII procoagulant antigen from plasma and factor VIII concentrate. Kemball–Cook G, et al. **Thromb Res** 1981 Jul 1–15; 23(1–2):193–6

F VIII:CAg in Haemophilia A. A comparison between IRMA:s using haemophilic and spontaneous antibodies. Ljung R, et al. **Thromb Res** 1981 Oct 1–15;24(1–2):45–50

Factors affecting the appearance of a pre–peak during crossed immunoelectrophoresis of factor VIII related antigen. McCarroll D, et al. **Thromb Res** 1981 Jul 1–15; 23(1–2):113–20

The 'in vivo' survival characteristics of factor VIII procoagulant antigen (VIII:C Ag) in haemophilia A subjects. McLellan DS, et al. **Thromb Res** 1982 Jan 1 & 15;25(1–2):33–9

Factor VIII–related antigen pre–peak on crossed immunoelectrophoresis: a non–random phenomenon. Miller CH, et al. **Thromb Res** 1982 Jan 1 & 15;25(1–2):101–7

Immunologic studies of factor VIII coagulant activity (VIII:C). 2. Factor VIII in selected vertebrates. Rotblat F, et al. **Thromb Res** 1982 Mar 1;25(5):423–31

Factor VIII coagulant antigen in clinical factor IX concentrates: characterisation of the molecular forms with the use of radiolabelled factor VIII: C antibodies. Seghatchian MJ, et al. **Thromb Res** 1981 Dec 1–15; 24(5–6):473–8

A convenient, rapid fluoroimmunoassay for factor VIII related antigen. Yoder JM, et al. **Thromb Res** 1981 Oct 1–15;24(1–2):51–9

Massive hematuria due to acquired factor VIII inhibitor. Treatment with cyclophosphamide. Waltke EA, et al. **Urology** 1981 Dec;18(6):601–3

[Acquired anticoagulants of immunologic origin: association of circumscribed pemphigoid and an anti–factor VIII anticoagulant (letter)] Amblard P, et al. **Nouv Presse Med** 1981 Aug 29–Sep 5;10(31):2584–5 **(Fre)**

[Development of an enzyme immunoassay for determination of factor VIII antigens] Schössler W, et al. **Acta Biol Med Ger** 1982;41(2–3):263–6 (Eng. Abstr.) **(Ger)**

[Immunologic study of platelet procoagulant factors in the patients with congenital platelet disorders (authors' transl)] Mikami S, et al. **Rinsho Byori** 1981 Apr;29(4):372–6 **(Jpn)**

[Laser nephelometry of factor VIII – related antigen : for assay (author's transl)] Okuda T, et al. **Rinsho Byori** 1981 Aug;29(8):849–53 **(Jpn)**

[Laser nephelometry of factor VIII–related antigen with observation in patients with von Willebrand'd disease and hemophilia A (author's transl)] Okuda T, et al. **Rinsho Byori** 1981 Sep;29(9):939–44 **(Jpn)**

[Plasma exchange in Weber–Christian disease and a case with anti–factor VIII antibody] Kawagoe H, et al. **Rinsho Ketsueki** 1981 Oct;22(10):1616–9 **(Jpn)**

[Detection of hemophilia A carriers. Comparative statistical study] Blanco AN, et al. **Medicina (B Aires)** 1981;41 Suppl:233–41 (Eng. Abstr.) **(Spa)**

[Ultrasonic–exposed factor VIII and von Willebrand's disease] Casillas G, et al. **Medicina (B Aires)** 1981;41 Suppl:253–6 (Eng. Abstr.) **(Spa)**

ISOLATION & PURIFICATION

Fractionation of individual, biologically active factor VIII multimers. Perret BA, et al. **Biochim Biophys Acta** 1981 Jun 29;669(1):98–104

Porcine factor VIII:C prepared by affinity interaction with von Willebrand factor and heterologous antibodies: sodium dodecyl sulfate polyacrylamide gel analysis. Knutson GJ, et al. **Blood** 1982 Mar;59(3):615–24

Impurity of lipaemic factor VIII preparations [letter] Benson RE, et al. **Br J Haematol** 1982 Apr;50(4):705–13

Polyvinylpyrrolidone (PVP): a new precipitating agent for human and bovine factor VIII and fibrinogen. Casillas G, et al. **Br J Haematol** 1982 Apr;50(4):665–72

A new 'high purity' factor VIII concentrate for clinical use in haemophilia [letter] Margolis J, et al. **Med J Aust** 1981 Jun 27;1(13):717–8

Production of cryoprecipitate of intermediate purity in a closed system thaw–siphon process. Mason EC, et al. **Thromb Haemost** 1981 Aug 28;46(2):543–6

Changes in factor VIII complex activities during the production of a clinical intermediate purity factor VIII concentrate. Prowse CV, et al. **Thromb Haemost** 1981 Oct; 46(3):597–601

Affinity chromatography of coagulation factors II, VIII, IX and X on matrix–bound phospholipid vesicles. Andersson LO, et al. **Thromb Res** 1981 Sep 15;23(6):481–9

Isolation and characterization of human factor VIIa. Kisiel W, et al. **Thromb Res** 1981 May 1;22(3):375–80

Factor VIII concentrate prepared from blood donors stimulated by intranasal administration of a vasopressin analogue. Mikaelsson M, et al. **Transfusion** 1982 May–Jun; 22(3):229–33

[Study of a therapeutic concentrate of factor VIII/vWf prepared in a closed system] Mazurier C, et al. **Rev Fr Transfus Immunohematol** 1982 Feb;25(1):25–43 (Eng. Abstr.) **(Fre)**

[A new human factor VIII concentrate. Preparation and clinical use] Simonetti C, et al. **Medicina (B Aires)** 1981; 41 Suppl:249–52 (Eng. Abstr.) **(Spa)**

METABOLISM

Binding of bovine factor VIII–coated colloidal gold particles to receptors on platelet membranes. Perret BA, et al. **Agents Actions** 1981 Dec;11(6–7):657–9

Interaction of factor VIII–von Willebrand Factor with phospholipid vesicles. Andersson LO, et al. **Biochem J** 1981 Oct 15;200(1):161–7

Human factor VIII procoagulant activity and phospholipid interaction. Lajmanovich A, et al. **Biochim Biophys Acta** 1981 Nov 18;678(1):132–6

Combined factor V–VIII deficiency: a case report with studies of factor V and VIII activation by thrombin. Hultin MB, et al. **Blood** 1981 Nov;58(5):983–5

Alterations of factor VIII von Willebrand factor in clinical conditions associated with an increase in its plasma concentration. Lombardi R, et al. **Br J Haematol** 1981 Sep; 49(1):61–8

Factor VIII/von Willebrand factor in glomerular nephropathies. Coppola R, et al. **Clin Nephrol** 1981 Nov; 16(5):217–22

Clinical significance of plasma factor VIII levels in renal disease. Previato G, et al. **Clin Nephrol** 1981 Oct; 16(4):200–6

Role of human factor VIII in factor X activation. Hultin MB. **J Clin Invest** 1982 Apr;69(4):950–8

Studies on the pathophysiology and treatment of von Willebrand's disease. III. Binding of plasma factor VIII to platelets in the presence of ristocetin. Takahashi H. **Nippon Ketsueki Gakkai Zasshi** 1981 Jul;44(4):910–20

The in vitro effect of ticlopidine on fibrinogen and factor VIII binding to human platelets. Lee H, et al. **Thromb Haemost** 1981 Oct;46(3):590–2

A study of hemostasis in ischemic cerebrovascular disease. I. Abnormalities in factor VIII and antithrombin. Mettinger KL. **Thromb Res** 1982 May 1;26(3):183–92

The binding of purified factor VIII/von Willebrand factor to collagens of differing type and form. Scott DM, et al. **Thromb Res** 1981 Dec 1–15;24(5–6):467–72

[Binding of factor VIII/Willebrand to Bernard–Soulier and thrombasthenic platelets (author's transl)] Ruan C, et al. **Nouv Rev Fr Hematol** 1981;23(2):89–93 (Eng. Abstr.) **(Fre)**

[Increased von Willebrand activity of low molecular–weight factor VIII following binding to gold granules] Furlan M, et al. **Schweiz Med Wochenschr** 1980 Oct 4;110(40):1456–8 (Eng. Abstr.) **(Ger)**

PHARMACODYNAMICS

Reticuloendothelial (RE) response to surgery as modified by intravenous administration of plasma cryoprecipitate or cold–insoluble globulin (plasma fibronectin) purified by affinity chromatography. Saba TM, et al. **Adv Shock Res** 1980;3:251–71

Thrombin potentiation of factor VIII procoagulant activity: assessment by the two–stage assay. Kopitsky RG, et al. **Thromb Haemost** 1982 Apr 30;47(2):145–9

Activation of human coagulation factor VIII by activated factor X, the common product of the intrinsic and the extrinsic pathway of blood coagulation. Mertens K, et al. **Thromb Haemost** 1982 Apr 30;47(2):96–100

Lack of thromboxane A2 synthesis in platelet aggregation induced by factor VIII/von Willebrand factor. Kao KJ, et al. **Thromb Res** 1981 Nov 1;24(3):245–51

PHYSIOLOGY

Effect of intermittent pneumatic and graduated static compression on factor VIII and the fibrinolytic system. Ljungnér H, et al. **Acta Chir Scand** 1981;147(8):657–61

The factor VIII complex: structure and function. Hoyer LW.

Prog Clin Biol Res 1981;72:1-26 (66 ref.)

Studies on the haemostatic system in peripheral arterial disease. 2. Variations in factor VIII components (FVIII:C ; FVIIIR:Ag ; FVIII:WF) before and after venous occlusion. Dettori AG, et al. **Thromb Res** 1981 Jun 1-25; 22(5-6):559-64

Studies on the haemostatic system in peripheral arterial disease. I. Factor VIII, fibrinolytic activity, and changes induced by venous occlusion and nicotinic acid administration. Ponari O, et al. **Thromb Res** 1981 Jun 1-25; 22(5-6):565-72

[Factor VIII activity and factor VIII-associated antigen in healthy newborns and in newborns with stressing perinatal factors] Maak B, et al. **Folia Haematol (Leipz)** 1982; 109(2):334-45 (Eng. Abstr.) **(Ger)**

[Activation of antihemophilic globulin A (factor VIII). 1. Activation by ampholine] Liebe S, et al. **Z Gesamte Inn Med** 1982 Feb 15;37(4):105-10 (Eng. Abstr.) **(Ger)**

[Activation of the antihemophilic globulin A (factor VIII). 3. Activation by servalyte] Liebe S, et al. **Z Gesamte Inn Med** 1982 Mar 1;37(5):153-5 (Eng. Abstr.) **(Ger)**

STANDARDS

Factor VIII concentrates: What the label says [letter] Austen DE, et al. **Lancet** 1981 Nov 21;2(8256):1167

Factor VIII standardisation [letter] Barrowcliffe TW, et al. **Lancet** 1981 Dec 12;2(8259):1342

Factor VIII concentrate: what the label says, and standardisation [letter] Seghatchian MJ, et al. **Lancet** 1982 Jan 30;1(8266):279

[In vitro study of different factor VIII concentrates. Biochemical and structural characteristics of factor VIII (author's transl)] Massot M, et al. **Sangre (Barc)** 1982; 27(1):39-52 (Eng. Abstr.) **(Spa)**

SUPPLY & DISTRIBUTION

Hemophilia and hemostasis. Introductory remarks. Barker LF. **Prog Clin Biol Res** 1981;72:xix-xxiii

THERAPEUTIC USE

Radiologic evaluation of prophylaxis in severe haemophilia. Pettersson H, et al. **Acta Paediatr Scand** 1981 Jul; 70(4):565-70

Hemophilic dog model for evaluating therapeutic effectiveness of plasma protein fractions. Kingdon HS, et al. **Blood** 1981 Nov;58(5):868-72

Short incubation non-A, non-B hepatitis transmitted by factor VIII concentrates in patients with congenital coagulation disorders. Bamber M, et al. **Gut** 1981 Oct; 22(10):854-9

Factor VIII deficiency diseases: an approach to laboratory diagnosis and management. Bhargava M. **Indian Pediatr** 1981 Nov;18(11):787-91

Further experience with cryoprecipitate coagulum in renal calculus surgery: a review of 60 cases. Fischer CP, et al. **J Urol** 1981 Oct;126(4):432-6

Rationale for the treatment of von Willebrand's disease. Sultan Y. **Prog Clin Biol Res** 1981;72:149-62

High frequency of low plasma haptoglobin values found in hemophilia A patients on prophylactic treatment with factor VIII concentrates - a sign of hemolysis? Egberg N, et al. **Thromb Haemost** 1981 Aug 28;46(2):554-7

[Factor VIII usage in the Wisconsin Hemophilia Program; factor VIII usage in hemophilia. Lange D, et al. **Wis Med J** 1982 Feb;81(2):28-31

[Advances in hemophilia treatment: a hepatitis-safe factor VIII concentrate] Heimburger N. **Blut** 1982 Apr; 44(4):249-51 **(Ger)**

[Factor VIII preparation] Mikami S. **Nippon Rinsho** 1981; 39(12):3680-7 **(Jpn)**

[The management of the intracranial hemorrhage in hemophilia and the related diseases (author's transl)] Ichinose A, et al. **Rinsho Shinkeigaku** 1981 Jun;21(6):471-9 (Eng. Abstr.) **(Jpn)**

FACTOR IX

Computer-generated models of blood coagulation factor Xa, factor IXa, and thrombin based upon structural homology with other serine proteases. Furie B, et al. **J Biol Chem** 1982 Apr 10;257(7):3875-82

The stability of factor IX concentrate during storage. Suomela H, et al. **Thromb Haemost** 1982 Apr 30;47(2):114-5

ADMINISTRATION & DOSAGE

[Studies on oral administration of concentrated factor IX preparation (author's transl)] Ueno M, et al. **Yakugaku Zasshi** 1982 Jan;102(2):202-6 (Eng. Abstr.) **(Jpn)**

ADVERSE EFFECTS

Laboratory evidence of DIC under FEIBA treatment of a hemophilic patient with intracranial bleeding and high titre factor VIII inhibitor. Fukui H, et al. **Thromb Res** 1981 Apr 1-15;22(1-2):177-84

ANALYSIS

Genetic variants of haemophilia B detected by immunoradiometric assay: implications for prenatal diagnosis. Ljung R, et al. **Pediatr Res** 1982 Mar;16(3):256-8

Factor VIII coagulant antigen in clinical factor IX concentrates: characterisation of the molecular forms with the use of radiolabelled factor VIII: C antibodies. Seghatchian MJ, et al. **Thromb Res** 1981 Dec 1-15; 24(5-6):473-8

Comparison between two concentrates with factor VIII inhibitor bypassing activity. Vinazzer H. **Thromb Res** 1982 Apr 1;26(1):21-9

[A case of Willebrand's disease with abnormal factor IX (author's transl)] Jyose H, et al. **Rinsho Ketsueki** 1981 Dec; 22(12):1930-7 (Eng. Abstr.) **(Jpn)**

ANTAGONISTS & INHIBITORS

Inhibition of activated factors II, VII, IX, and X by synthetic organic compounds directed against the active-site seryl residue. Van der Woerd-de Lange JA, et al. **Haemostasis** 1981;10(6):315-47

[Lupic syndrome induced by quinidine with thrombophlebitis alternans and circulating anti-factor IX anticoagulant (letter] Chagnon A, et al. **Nouv Presse Med** 1982 Jun 5; 11(26):2020-1 **(Fre)**

GENETICS

Molecular cloning of the gene for human anti-haemophilic factor IX. Choo KH, et al. **Nature** 1982 Sep 9; 299(5879):178-80

IMMUNOLOGY

Factor IX antigen by a rapid staphylococcal protein A-membrane binding radioimmunoassay: results in haemophilia B patients and carriers and in fetal samples. Suzuki LA, et al. **Br J Haematol** 1982 Apr;50(4):673-82

Factor IX alloantibodies shorten the bovine thromboplastin coagulation time of normal human plasma. Orstavik KH. **Thromb Haemost** 1981 Dec 23;46(4):684-6

Long-term tolerance and recovery of beta-propiolactone/ultraviolet (beta PL/UV) treated PPSB in chimpanzees. Stephan W, et al. **Thromb Haemost** 1981 Aug 28;46(2):511-4

Enzyme-linked immunosorbent assay (ELISA) for the detection of antibodies to factor IX in hemophilia B. Orstavik KH, et al. **Thromb Res** 1981 May 1;22(3):253-7

ISOLATION & PURIFICATION

A simplified procedure for purification of human prothrombin, factor IX and factor X. Bajaj SP, et al. **Prep Biochem** 1981;11(4):397-412

Factor IX Deventer-evidence for the heterogeneity of hemophilia BM. Bertina RM, et al. **Thromb Haemost** 1982 Apr 30;47(2):136-40

Affinity chromatography of coagulation factors II, VIII, IX and X on matrix-bound phospholipid vesicles. Andersson LO, et al. **Thromb Res** 1981 Sep 15;23(6):481-9

[Recent findings on factor IX in the field of biochemistry] Kamiya T. **Nippon Rinsho** 1981;39(12):3623-7 **(Jpn)**

METABOLISM

Mapping the active sites of bovine thrombin, factor IXa, factor Xa, factor XIa, factor XIIa, plasma kallikrein, and trypsin with amino acid and peptide thioesters: development of new sensitive substrates. McRae BJ, et al. **Biochemistry** 1981 Dec 8;20(25):7196-206

Effect of granulocyte proteases on human coagulation factors IX and X. The protective effect of calcium. Kárpáti J, et al. **Hoppe Seylers Z Physiol Chem** 1982 May;363(5):521-5

Cooperative Ca2+ binding to human factor IX. Effects of Ca2+ on the kinetic parameters of the activation of factor IX by factor XIa. Bajaj SP. **J Biol Chem** 1982 Apr 25; 257(8):4127-32

The active site of antithrombin. Release of the same proteolytically cleaved form of the inhibitor from complexes with factor IXa, factor Xa, and thrombin. Björk I, et al. **J Biol Chem** 1982 Mar 10;257(5):2406-11

Characterization of the defect in activation of factor IX Chapel Hill by human factor XIa. Braunstein KM, et al. **J Clin Invest** 1981 Dec;68(6):1420-6

Protection of platelet surface bound factors IXa and VIII against specific inhibitors. Váradi K, et al. **Thromb Haemost** 1982 Feb 26;47(1):32-5

High molecular weight kininogen protects human plasma kallikrein and factor XIa against inactivation by plasma protease inhibitors. Schapira M, et al. **Trans Assoc Am Physicians** 1981;94:190-7

PHARMACODYNAMICS

Thrombogenicity of antihemophiliac preparations with factor VIII inhibitor bypassing activity. Melewski DJ, et al. **J Med** 1981;12(2-3):89-96

PHYSIOLOGY

Activation of factor VIII by factor IXa. Rick ME. **Blood** 1982 Sep;60(3):744-51

The activation of factor IX by the tissue factor pathway. Rapaport SI. **Prog Clin Biol Res** 1981;72:57-76

THERAPEUTIC USE

Radiologic evaluation of prophylaxis in severe haemophilia. Pettersson H, et al. **Acta Paediatr Scand** 1981 Jul; 70(4):565-70

Life-threatening bleeding due to an acquired inhibitor to factor XII-XI successfully treated with 'activated' prothrombin complex concentrate (FEIBA) [letter] Rolović Z, et al. **Br J Haematol** 1982 Aug;51(4):659

Acute compartment syndrome in hemophilia. A case report. Madigan RR, et al. **J Bone Joint Surg [Am]** 1981 Oct; 63A(8):1327-9

Post-partum treatment of a patient with a factor VIII inhibitor [letter] Files JC, et al. **N Engl J Med** 1981 Dec 31;305(27):1650

Conjectures on factor VIII bypassing activity. Aronson DL. **Prog Clin Biol Res** 1981;72:103-21

Activated factor IX complex in treatment of surgical cases of hemophilia A with inhibitors. Hanna WT, et al. **Thromb Haemost** 1981 Oct;46(3):638-41

FACTOR IX DEFICIENCY see **CHRISTMAS DISEASE**

FACTOR X

Automated estimation of factor Xa using the chromogenic substrate S-2222. Madaras F, et al. **Haemostasis** 1981; 10(5):271-5

Computer-generated models of blood coagulation factor Xa, factor IXa, and thrombin based upon structural homology with other serine proteases. Furie B, et al. **J Biol Chem** 1982 Apr 10;257(7):3875-82

Model of a specific interaction. Salt-bridges form between prothrombin and its activating enzyme blood clotting factor Xa. Greer J. **J Mol Biol** 1981 Dec 25;153(4):1043-53

Kinetic study of factor X during oral anticoagulation with acenocoumarol: potential value for the initiation of treatment. Aiach M, et al. **Thromb Haemost** 1982 Feb 26; 47(1):69-71

The acceleration by polylysine of the activation of factor X by factor IXa. Lundblad RL, et al. **Thromb Res** 1982 Feb 15;25(4):319-29

ANALYSIS

Chromogenic substrate (S-2222) factor X assays in the follow-up of coumarin treated patients. No advantage over prothrombin time and/or thrombotest. Girolami A, et al. **Folia Haematol (Leipz)** 1981;108(4):610-6

Simplified performance of amidolytic factor X assay. Egberg N, et al. **Thromb Res** 1982 Mar 1;25(5):437-40

Are synthetic inhibitors able to improve factor Xa assays using peptide substrates? Stürzebecher J, et al. **Thromb Res** 1982 May 1;26(3):221-6

A rapid manual chromogenic factor X assay. van Wijk EM, et al. **Thromb Res** 1981 Jun 1-25;22(5-6):681-6

[Use of synthetic inhibitors in coagulation physiological tests with peptide substrates] Stürzebecher J, et al. **Folia Haematol (Leipz)** 1982;109(1):157-60 **(Ger)**

[Simultaneous determination of zymogen activation time and zymogen level using chromogenic substrates in blood coagulation analysis] Svendsen L, et al. **Folia Haematol (Leipz)** 1982;109(1):150-6 (Eng. Abstr.) **(Ger)**

ANTAGONISTS & INHIBITORS

The structure of heparin oligosaccharide fragments with high anti-(factor Xa) activity containing the minimal antithrombin III-binding sequence. Chemical and 13C nuclear-magnetic-resonance studies. Casu B, et al. **Biochem J** 1981 Sep 1;197(3):599-609

Inhibition of human factor Xa by various plasma protease inhibitors. Ellis V, et al. **Biochim Biophys Acta** 1982 Feb 4;701(1):24-31

Inhibition of activated factors II, VII, IX, and X by synthetic organic compounds directed against the active-site seryl residue. Van der Woerd-de Lange JA, et al. **Haemostasis** 1981;10(6):315-47

GAGs-potentiated inhibition of thrombin, factor Xa and plasmin in plasma and in a purified system containing antithrombin III - correlation with total charge density. Cofrancesco E, et al. **Thromb Haemost** 1981 Dec 23; 46(4):749-51

Sustained increase in anti-Xa activity by low-dose heparin in medical patients [letter] Lowe G, et al. **Thromb Haemost** 1982 Jun 28;47(3):296

Influence of variations in the chemical structure of heparin on its anticoagulant and anti-factor Xa activities. Ayotte L, et al. **Thromb Res** 1981 Apr 1-15;22(1-2):97-102

In vitro and in vivo studies of the anti-Xa activity of heparin. Eggleton CA, et al. **Thromb Res** 1981 Nov 15;24(4):319-28

The selective affinity labeling of factor Xa by peptides of arginine chloromethyl ketone. Kettner C, et al. **Thromb Res** 1981 Jun 1-25;22(5-6):645-52

Demonstration of a direct anti-factor Xa activity in certain heparin-related glycosaminoglycans. Larsson A, et al. **Thromb Res** 1982 Jun 15;26(6):401-9

Inhibition of human coagulation factor Xa by thrombin substrates. Orthner CL, et al. **Thromb Res** 1981 Sep 15; 23(6):533-9

[Low molecular weight oligosaccharides active in plasma against factor Xa. II. New structural elements and antithrombotic activity (author's transl)] Choay J, et al. **Ann Pharm Fr** 1981 Jul;39(3):267-72 (Eng. Abstr.) **(Fre)**

[Anticoagulants with antithrombinase activity in systemic

lupus erythematosus (author's transl)] Jungers P, et al. **Nephrologie** 1980;1(2):67–8 (Eng. Abstr.) **(Fre)**

[Thrombokinase inhibitors and alpha 1–antitrypsin deficiency in liver cirrhosis as a cause for hemorrhage in ascites shunt] Tilsner V, et al. **Med Welt** 1981 Dec 25;32(51–52):1956–8 **(Ger)**

BIOSYNTHESIS

Agkistrodon acutus snake venom inhibits prothrombinase complex formation. Teng CM, et al. **Thromb Res** 1981 Aug 1;23(3):255–63

BLOOD

The nature of the binding for prothrombinase at the platelet surface as revealed by lipolytic enzymes. Bevers EM, et al. **Eur J Biochem** 1982 Feb;122(1):81–5

ISOLATION & PURIFICATION

A simplified procedure for purification of human prothrombin, factor IX and factor X. Bajaj SP, et al. **Prep Biochem** 1981;11(4):397–412

Affinity chromatography of coagulation factors II, VIII, IX and X on matrix-bound phospholipid vesicles. Andersson LO, et al. **Thromb Res** 1981 Sep 15;23(6):481–9

[Isolation of factor Xa (autoprothrombin C) from bovine serum] Byshevskiĭ ASh, et al. **Vopr Med Khim** 1982 Jan–Feb;28(1):39–43 **(Rus)**

METABOLISM

The activation of bovine factor X by bovine factor Xa. Link RP, et al. **Arch Biochem Biophys** 1982 Apr 15;215(1):215–21

Mapping the active sites of bovine thrombin, factor IXa, factor Xa, factor XIa, factor XIIa, plasma kallikrein, and trypsin with amino acid and peptide thioesters: development of new sensitive substrates. McRae BJ, et al. **Biochemistry** 1981 Dec 8;20(25):7196–206

Simple and rapid method to determine the binding of blood clotting factor X to phospholipid vesicles. van Dieijen G, et al. **Biochemistry** 1981 Dec 8;20(25):7096–101

Plasma high density lipoproteins inhibit the activation of coagulation factor X by factor VIIa and tissue factor. Carson SD. **FEBS Lett** 1981 Sep 14;132(1):37–40

Proteolysis of blood coagulation factor X by activated factor X: difference between the bovine and human proteins. Mertens K, et al. **FEBS Lett** 1982 Mar 22;139(2):174–6

Effect of granulocyte proteases on human coagulation factors IX and X. The protective effect of calcium. Kárpáti J, et al. **Hoppe Seylers Z Physiol Chem** 1982 May;363(5):521–5

The active site of antithrombin. Release of the same proteolytically cleaved form of the inhibitor from complexes with factor IXa, factor Xa, and thrombin. Björk I, et al. **J Biol Chem** 1982 Mar 10;257(5):2406–11

Structural transitions in bovine factor X associated with metal binding and zymogen activation. Studies using conformation-specific antibodies. Keyt B, et al. **J Biol Chem** 1982 Aug 10;257(15):8687–95

Studies of the capacity of factor Xa to protect factor Va from inactivation by activated protein C. Nesheim ME, et al. **J Biol Chem** 1982 Feb 10;257(3):1443–7

Role of human factor VIII in factor X activation. Hultin MB. **J Clin Invest** 1982 Apr;69(4):950–8

Activation of factor X and prothrombin in antithrombin-III depleted plasma: the effects of heparin. Ofosu FA, et al. **Thromb Res** 1981 Aug 15-Sep 1;23(4–5):331–45

Prothrombinase in alpha-thrombin formation. Seegers WH. **Thromb Res** 1982 May 15;26(4):303–5

Activation of factor X and thrombin zymogens in 25% sodium citrate solution. Teng CM, et al. **Thromb Res** 1981 Apr 1–15;22(1–2):203–12

Production of factor X and factor Xa variants with thrombin, acutin and by autolysis. Teng CM, et al. **Thromb Res** 1981 Apr 1–15;22(1–2):213–20

[Kinetics of prothrombin activation by factor Xa] Byshevskiĭ ASh, et al. **Ukr Biokhim Zh** 1981 Jul–Aug;53(4):30–4 (Eng. Abstr.) **(Rus)**

PHARMACODYNAMICS

Stroma free human platelet lysates potentiate the in vivo thrombogenicity of factor Xa by the provision of coagulant-active phospholipid. Giles AR, et al. **Br J Haematol** 1982 Jul;51(3):457–68

Enhanced enzyme activity in concentrated salt solutions. Teng CM, et al. **Experientia** 1982 Mar 15;38(3):403–4

Activation of human coagulation factor VIII by activated factor X, the common product of the intrinsic and the extrinsic pathway of blood coagulation. Mertens K, et al. **Thromb Haemost** 1982 Apr 30;47(2):96–100

FACTOR X DEFICIENCY see under **HYPOPROTHROMBINEMIAS**

FACTOR XI

Anti-factor XI, direct positive Coombs's test and recurrent abortion in a systemic lupus erythematosus [letter] Durán-Suarez JR, et al. **Haematologica (Pavia)** 1981 Jun; 66(3):383–4

ANALYSIS

Factors XI and XII and prekallikrein in sick and healthy premature infants. Andrew M, et al. **N Engl J Med** 1981 Nov 5;305(19):1130–3

ANTAGONISTS & INHIBITORS

[Anti-factor XI circulating anticoagulant (author's transl)] Durán Suárez JR, et al. **Sangre (Barc)** 1981;26(5–A):631–7 (Eng. Abstr.) **(Spa)**

IMMUNOLOGY

Factor XI antigen and activity in human platelets. Tuszynski GP, et al. **Blood** 1982 Jun;59(6):1148–56

Acquired antibody to factor XI in a patient with congenital factor XI deficiency. Stern DM, et al. **J Clin Invest** 1982 Jun;69(6):1270–6

METABOLISM

Mapping the active sites of bovine thrombin, factor IXa, factor Xa, factor XIa, factor XIIa, plasma kallikrein, and trypsin with amino acid and peptide thioesters: development of new sensitive substrates. McRae BJ, et al. **Biochemistry** 1981 Dec 8;20(25):7196–206

Complexes between C1-inhibitor, kallikrein, high molecular weight kininogen, plasma thromboplastin antecedent, and plasmin in normal human plasma and hereditary angioneurotic edema plasmas containing dysmorphic C1-inhibitors: role of cold activation. Donaldson VH, et al. **Blood** 1982 Jul;60(1):121–9

Contact activation of factor XI. Jacobs A, et al. **Br J Haematol** 1981 Sep;49(1):77–86

Cooperative Ca2+ binding to human factor IX. Effects of Ca2+ on the kinetic parameters of the activation of factor IX by factor XIa. Bajaj SP. **J Biol Chem** 1982 Apr 25; 257(8):4127–32

Inactivation of factor XIa by plasma protease inhibitors: predominant role of alpha 1-protease inhibitor and protective effect of high molecular weight kininogen. Scott CF, et al. **J Clin Invest** 1982 Apr;69(4):844–52

Surface adsorption of factor XI. II. Evidence that different mechanisms are involved in binding to glass and plastic materials. Mannhalter C, et al. **Thromb Haemost** 1982 Jun 28;47(3):214–7

PHARMACODYNAMICS

Characterization of the defect in activation of factor IX Chapel Hill by human factor XIa. Braunstein KM, et al. **J Clin Invest** 1981 Dec;68(6):1420–6

FACTOR XI DEFICIENCY

COMPLICATIONS

The clinical importance of factor XI deficiency in an Ashkenazi Jewish patient. Heim M, et al. **J Trauma** 1981 Dec;21(12):1050–1

Complications of severe bleeding in a patient with undiagnosed Factor XI deficiency. Evian CI, et al. **Oral Surg** 1981 Jul;52(1):12–8

DRUG THERAPY

Severe factor XI deficient patient treated with oral anticoagulants. ten Cate JW. **Thromb Haemost** 1981 Aug 28;46(2):568

FAMILIAL & GENETIC

Familial multiple coagulation factor deficiencies. II. Combined factor VIII, IX, and XI deficiency and combined factor IX and XI deficiency: two previously uncharacterized familial multiple factor deficiency syndromes. Soff GA, et al. **Semin Thromb Hemostas** 1981 Fall;7(2):149–69 (47 ref.)

IMMUNOLOGY

Acquired antibody to factor XI in a patient with congenital factor XI deficiency. Stern DM, et al. **J Clin Invest** 1982 Jun;69(6):1270–6

OCCURRENCE

An unusual cause for bleeding in Ireland: factor XI deficiency. McCann SR, et al. **Ir Med J** 1981 Aug; 74(8):234–6

FACTOR XII

Guinea pig Hageman factor as a vascular permeability enhancement factor. Yamamoto T, et al. **Am J Pathol** 1981 Nov;105(2):164–75

Enzymatic activities of activated and zymogen forms of human Hageman factor (factor XII). Silverberg M, et al. **Blood** 1982 Jul;60(1):64–70

Formation and structure of human Hageman factor fragments. Dunn JT, et al. **J Clin Invest** 1982 Sep; 70(3):627–31

[Circulating anticoagulant against factor XII in a patient with autoimmune hemolitic anemia (author's transl)] Geroldi D, et al. **Haematologica (Pavia)** 1982 Feb;67(1):52–7 (Eng. Abstr.) **(Ita)**

ADMINISTRATION & DOSAGE

Correlation of hypotensive effect of plasma protein fraction with prekallikrein activator activity: a clinical study in patients having open-heart surgery. Heinonen J, et al. **Ann Thorac Surg** 1982 Mar;33(3):244–9

ADVERSE EFFECTS

Bradykinin-mediated hypotension after infusion of plasma-protein fraction. Van Rosevelt RF, et al. **J Lab Clin Med** 1982 Aug;100(2):288–95

Prekallikrein activator in human albumin [letter] Paton CJ, et al. **Lancet** 1981 Oct 3;2(8249):747

ANALYSIS

Activation of factor XII in rat plasma: protection by benzamidine of the cofactor function of high molecular weight kininogen. Briseid K, et al. **Acta Pharmacol Toxicol (Copenh)** 1981 Jul;49(1):43–51

Reduced titers of Hageman factor (factor XII) in Orientals. Gordon EM, et al. **Ann Intern Med** 1981 Dec;95(6):697–700

Prekallikrein activator levels and side effects with human albumin preparations. Lüben G, et al. **Dev Biol Stand** 1980; 48:123–7

Factor XII assay with the chromogenic substrate chromozym PK. Dick W, et al. **J Clin Chem Clin Biochem** 1981 Jun; 19(6):357–61

Factors XI and XII and prekallikrein in sick and healthy premature infants. Andrew M, et al. **N Engl J Med** 1981 Nov 5;305(19):1130–3

Hageman factor (factor XII) in health and diseases. Saito H. **Nippon Ketsueki Gakkai Zasshi** 1981 Dec;44(7):1460–5

Determination of factor XII in plasma using the kallikrein substrate chromozym PK. Klessen C, et al. **Thromb Res** 1982 Mar 15;25(6):501–5

[Plasma factor XII (Hageman factor) in disease states (author's transl)] Ichinose A, et al. **Rinsho Ketsueki** 1981 Aug;22(8):1232–6 (Eng. Abstr.) **(Jpn)**

[Chromatographic method of analyzing Hageman factor (blood coagulation factor XII) in human serum] Krizhevskaia IuV, et al. **Vopr Med Khim** 1982 Mar–Apr; 28(2):128–32 (Eng. Abstr.) **(Rus)**

ANTAGONISTS & INHIBITORS

An inhibitor from corn blocks the hypotensive action of plasma protein fraction and active Hageman factor. Marks E, et al. **Thromb Res** 1981 Jul 1–15;23(1–2):97–102

GENETICS

Normal Hageman factor level in 7q deletion syndrome [letter] Kawashima H, et al. **Clin Genet** 1981 Mar;19(3):207–8

7qter deletion with normal Hageman factor. Kawashima H, et al. **Jinrui Idengaku Zasshi** 1981 Sep;26(3):249–53

IMMUNOLOGY

Tobacco, cocoa, coffee, and ragweed: cross-reacting allergens that activate factor-XII-dependent pathways. Becker CG, et al. **Blood** 1981 Nov;58(5):861–7

ISOLATION & PURIFICATION

Isolation and properties of an abnormal Hageman factor (Factor XII) molecule in a cross-reacting material-positive hageman trait plasma. Saito H, et al. **J Clin Invest** 1981 Oct;68(4):1028–35

Human factor XII (Hageman factor). Fujikawa K, et al. **Methods Enzymol** 1981;80 Pt C:198–211

Preparation of beta-XIIa (Hageman factor fragment) from human plasma. Tankersley DL, et al. **Thromb Res** 1982 Feb 15;25(4):307–17

Activation of Hageman factor by proteases released during antigen challenge of human lung. Newball HH, et al. **Trans Assoc Am Physicians** 1981;94:126–33

[Isolation and some properties of Hageman factor and its active fragment from human blood] Krizhevskaia IuV, et al. **Biokhimiia** 1981 Aug;46(8):1510–8 (Eng. Abstr.) **(Rus)**

METABOLISM

A protease-like permeability factor in guinea pig skin: immunologic identity with plasma Hageman factor. Yamamoto T, et al. **Am J Pathol** 1982 May;107(2):127–34

Mapping the active sites of bovine thrombin, factor IXa, factor Xa, factor XIa, factor XIIa, plasma kallikrein, and trypsin with amino acid and peptide thioesters: development of new sensitive substrates. McRae BJ, et al. **Biochemistry** 1981 Dec 8;20(25):7196–206

The role of bovine high-molecular-weight (HMW) kininogen in contact-mediated activation of bovine factor XII: interaction of HMW kininogen with kaolin and plasma prekallikrein. Ikari N, et al. **J Biochem (Tokyo)** 1981 Jun; 89(6):1699–709

The cleavage and formation of activated human Hageman factor by autodigestion and by kallikrein. Dunn JT, et al. **J Biol Chem** 1982 Feb 25;257(4):1779–84

The evolution of clot-promoting and amidolytic activities in mixtures of Hageman factor (factor XII) and ellagic acid. Ratnoff OD, et al. **J Lab Clin Med** 1982 Aug;100(2):248–60

The accelerating effect of bovine plasma HMW kininogen on the surface-mediated activation of factor XII: generation of a derivative form (active kininogen) with maximal cofactor activity by limited proteolysis. Sugo T, et al. **Thromb Res** 1981 Nov 15;24(4):329–37

Activation of Hageman factor by proteases released during antigen challenge of human lung. Newball HH, et al. **Trans Assoc Am Physicians** 1981;94:126–33

[Changes in 'Hageman factor system' indices during human adaptation to intensive physical loading] Chernukh AM, et al. **Patol Fiziol Eksp Ter** 1981 Sep–Oct;(5):25–8 (Eng. Abstr.) **(Rus)**

PHARMACODYNAMICS

[Pathogenesis of arteriosclerosis. Thrombin, factor XIII and fibronectin as regulators of fibroblast proliferation, endothelial cells and smooth muscle cells] Bruhn HD, et al. **Med Welt** 1982 Mar 12;33(10):347–51 **(Ger)**

PHYSIOLOGY

The role of HF cofactor in the Hageman factor–dependent fibrinolytic mechanism. Iatridis PG, et al. **Acta Haematol (Basel)** 1981;66(4):257–63

Properties of sulfatides in factor–XII–dependent contact activation. Tans G, et al. **Blood** 1982 Jan;59(1):69–75

The role of augmented Hageman factor (factor XII) titers in the cold–promoted activation of factor VII and spontaneous shortening of the prothrombin time in women using oral contraceptives. Gordon EM, et al. **J Lab Clin Med** 1982 Mar;99(3):363–9

The 'Hageman' connection: interrelationships of blood coagulation, fibrinogenolysis, kinin generation, and complement activation. Murano G. **Przegl Lek** 1981; 38(10):709–13

TOXICITY

Hypotensive effect of prekallikrein activator (PKA) in plasma protein fraction (PPF). Heinonen J, et al. **Dev Biol Stand** 1980;48:129–30

FACTOR XII DEFICIENCY

Classic gout in Hageman factor (Factor XII) deficiency. Green D, et al. **Arch Intern Med** 1982 Aug;142(8):1556–7

BLOOD

Isolation and properties of an abnormal Hageman factor (Factor XII) molecule in a cross–reacting material–positive hageman trait plasma. Saito H, et al. **J Clin Invest** 1981 Oct;68(4):1028–35

COMPLICATIONS

Additional factor XII (Hageman factor) deficiency in hemophilia A and in von Willebrand syndrome. Barthels M, et al. **Klin Wochenschr** 1982 Mar;60(6):303–9

[Hemopericardium in hypodermosis in a child with partial factor IX and factor XII deficiencies] Larbre F, et al. **Pediatrie** 1981 Jun;36(4):297–301 (Eng. Abstr.) **(Fre)**

DIAGNOSIS

[Use of chromogenic substrates in the clarification of disorders in the early stages of blood coagulation] Vogel G, et al. **Folia Haematol (Leipz)** 1982;109(1):115–20 (Eng. Abstr.) **(Ger)**

ETIOLOGY

Circulating anticoagulant against factor XII in smoldering leukemia. Duran–Suarez JR, et al. **Acta Haematol (Basel)** 1982;67(2):128–31

IMMUNOLOGY

Severe Fletcher factor (plasma prekallikrein) deficiency with partial deficiency of Hageman factor (factor XII): report of a case with observation on in vivo and in vitro leukocyte chemotaxis. Poon MC, et al. **Am J Hematol** 1982 May; 12(3):261–70

FACTOR XIII

[Endolaryngeal surgery using highly concentrated human fibrinogen as tissue adhesive. Further trials with fibrin glue] Martin F, et al. **Laryngol Rhinol Otol (Stuttg)** 1981 Jul; 60(7):369–72 (Eng. Abstr.) **(Ger)**

[Surgery of the larynx with fibrinous tissue glue (author's transl)] Naumann C, et al. **Laryngol Rhinol Otol (Stuttg)** 1981 Jul;60(7):364–6 (Eng. Abstr.) **(Ger)**

[Fibrin glue in dermatosurgery (author's transl)] Staindl O. **Z Hautkr** 1982 May 15;57(10):721–33 (Eng. Abstr.) **(Ger)**

ADMINISTRATION & DOSAGE

[The behaviour of autologous spongiosa transplants from the ilial crest with and without fibrinadhesive in the canine femoral epiphysis (author's transl)] Wischhöfer E, et al. **Unfallheilkunde** 1982 Jun;85(6):250–2 (Eng. Abstr.) **(Ger)**

ADVERSE EFFECTS

[Risk of hepatitis in fibrin adhesion (author's transl)] Panis R, et al. **Laryngol Rhinol Otol (Stuttg)** 1981 Jul;60(7):367–8 (Eng. Abstr.) **(Ger)**

ANALYSIS

Skin healing and fibrin stabilizing factor blood levels in the rabbit fetus. Chignier E, et al. **J Surg Res** 1981 Nov; 31(5):415–32

Incomplete fibrin formation and highly elevated Factor XIII activity in multiple myeloma. Klingemann HG, et al. **Scand J Haematol** 1981 Oct;27(4):253–62

[Blood levels of factor XIII following extracorporeal circulation: biochemical significance of observed levels] Commin P, et al. **Agressologie** 1982 Mar;23(1):33–6 (Eng. Abstr.) **(Fre)**

[Behavior of some blood coagulation parameters in angiographically documented coronary arteriosclerosis] Panizza P, et al. **Haematologica (Pavia)** 1981 Dec; 66(6):768–78 (Eng. Abstr.) **(Ita)**

[Behavior of coagulation parameters in the Schönlein–Henoch syndrome. Diagnostic value of factor XIII] Barberio G, et al. **Minerva Pediatr** 1981 Aug 31; 33(16):817–20 (Eng. Abstr.) **(Ita)**

[Fibrin–stabilizing factor in alcoholic liver disease (author's transl)] Iwabuchi S. **Nippon Shokakibyo Gakkai Zasshi** 1981 Dec 1;78(12):2422 **(Jpn)**

BLOOD

Factor VIII. Aspirin and ischaemic heart disease: some comments [letter] Meade TW, et al. **J Chronic Dis** 1982; 35(6):493–5

GENETICS

Human coagulation factor XIII A (F XIII A) phenotyping by immunofixation agarose gel electrophoresis (IAGE). Kreckel P, et al. **Blut** 1982 May;44(5):309–14

Polymorphism of the A subunit of coagulation factor XIII in the Pacific region. Description of new phenotypes. Board PG, et al. **Hum Genet** 1981;59(2):135–6

Genetic polymorphism of the B subunit of human coagulation factor XIII: another classification. Kera Y, et al. **Hum Genet** 1981;59(4):360–4

Genetic polymorphism of the A subunit of human coagulation factor XIII in Japanese. Kera Y, et al. **Hum Hered** 1982;32(3):216–8

Genetic polymorphism of the A subunit of human coagulation factor XIII in Japanese. Nishigaki T, et al. **Jinrui Idengaku Zasshi** 1981 Sep;26(3):237–41

METABOLISM

Alpha–chain domain of fibrinogen controls generation of fibrinoligase (coagulation factor XIIIa). Calcium ion regulatory aspects. Credo RB, et al. **Biochemistry** 1981 Jun 23;20(13):3770–8

New thioester substrates for fibrinoligase (coagulation factor XIIIa) and for transglutaminase. Transfer of the fluorescently labeled acyl group to amines and alcohols. Parameswaran KN, et al. **Biochemistry** 1981 Jun 23; 20(13):3703–11

Resistance of factor XIII to degradation or activation by plasmin. Rider DM, et al. **Biochim Biophys Acta** 1981 Jul; 675(2):171–7

Cross–linking of alpha 2–plasmin inhibitor and fibronectin to fibrin by fibrin–stabilizing factor. Tamaki T, et al. **Biochim Biophys Acta** 1981 Oct 13;661(2):280–6

The zymogen forms of blood coagulation factor XIII bind specifically to fibrinogen. Greenberg CS, et al. **J Biol Chem** 1982 Jun 10;257(11):6096–101

Factor XIII (fibrin–stabilizing factor). Lorand L, et al. **Methods Enzymol** 1981;80 Pt C:333–41

An approach to the metabolism of factor XIII. Ikematsu S. **Nippon Ketsueki Gakkai Zasshi** 1981 Dec;44(7):1499–505

Failure to measure plasma activated factor XIII during disseminated intravascular coagulation. Rodeghiero F, et al. **Ric Clin Lab** 1981 Oct–Dec;11(4):333–6

Cigarette smoke contains anticoagulants against fibrin aggregation and factor XIIIa in plasma. Galanakis DK, et al. **Science** 1982 Aug 13;217(4560):642–5

Subunit A of factor XIII regulates subunit B plasma concentration. Rodeghiero F, et al. **Thromb Haemost** 1981 Oct;46(3):621–2

Possible cross–linking of factor VIII related antigen to fibrin by factor XIII in delayed coagulation process. Hada M, et al. **Thromb Res** 1982 Jan 1 & 15;25(1–2):163–8

[In vivo and in vitro degradation of fibrin adhesives (studies in rats)] Pflüger H, et al. **Z Urol Nephrol** 1982 Jan; 75(1):25–30 (Eng. Abstr.) **(Ger)**

[Studies on the physiological changes of blood coagulation factor XIII during pregnancy and their significance (author's transl)] Hayano Y, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1982 Apr; 34(4):469–77 (Eng. Abstr.) **(Jpn)**

THERAPEUTIC USE

The use of the fibrin adhesion system for local hemostasis in oral surgery. Wepner F, et al. **J Oral Maxillofac Surg** 1982 Sep;40(9):555–8

FACTOR XIII DEFICIENCY

BLOOD

Failure to measure plasma activated factor XIII during disseminated intravascular coagulation. Rodeghiero F, et al. **Ric Clin Lab** 1981 Oct–Dec;11(4):333–6

Subunit A of factor XIII regulates subunit B plasma concentration. Rodeghiero F, et al. **Thromb Haemost** 1981 Oct;46(3):621–2

[Wound healing disorders and factor XIII deficiency after tumor operations in the floor of the mouth] Vogel C, et al. **Dtsch Zahnarztl Z** 1982 Jan;37(1):39–41 (Eng. Abstr.) **(Ger)**

CONGENITAL

Congenital factor XIII deficiency. Prakash S, et al. **J Assoc Physicians India** 1981 Jun;29(6):475–9

[Two cases of congenital deficiency of coagulation factor XIII causing intracerebral hemorrhage (author's transl)] Takahashi S, et al. **Neurol Med Chir (Tokyo)** 1981 Dec; 21(12):1261–6 (Eng. Abstr.) **(Jpn)**

FAMILIAL & GENETIC

Factor XIII deficiency. Fried K, et al. **Clin Genet** 1981 Dec; 20(6):455–7

[Congenital deficiency of factor XIII. Report of a family (author's transl)] Mariscal Ibarra I. **Rev Invest Clin** 1981 Jul–Sep;33(3):299–301 (Eng. Abstr.) **(Spa)**

FACTOR ANALYSIS, STATISTICAL

Tardive dyskinesia and factor analysis [letter] Hamer RM. **Am J Psychiatry** 1982 Sep;139(9):1218–9

Factor analysis as a hospital epidemiology tool. Veney JE, et al. **Infect Control** 1982 Mar–Apr;3(2):159–60

Factor analysis and studies on alcohol. A methodological review. Skinner HA. **J Stud Alcohol** 1980 Nov; 41(11):1091–101

[Categorical responses in multifactorial experimental designs and multidimensional analyses of correlations (author's transl)] Hamerle A, et al. **Arch Psychol (Frankf)** 1980; 133(1):53–68 (Eng. Abstr.) **(Ger)**

[The summax–model of three–mode factor analysis with directly interpretable core matrix (author's transl)] Orlik P. **Arch Psychol (Frankf)** 1980;133(3):189–218 (Eng. Abstr.) **(Ger)**

[Use of factor analysis for the study of liver function] Agnese G, et al. **Arch E Maragliano Patol Clin** 1978;34(2):171–3 **(Ita)**

[Main component method in hygienic research on polymeric materials] Bol'shakov AM, et al. **Gig Sanit** 1981 Sep; (9):54–7 **(Rus)**

FACTOR CONSTRUCT RATING SCALES (FCRS) see **PSYCHIATRIC STATUS RATING SCALES**

FACULTY

Administrative patterns in curriculum–clinic interactions. Snow T, et al. **Am J Occup Ther** 1982 Apr;36(4):251–6

Persistence of humoral and cell–mediated immunity to rubella virus in cloistered nuns and in schoolteachers. Rossier E, et al. **J Infect Dis** 1981 Aug;144(2):137–41

Counseling function of academic coordinators of clinical education from select entry–level physical therapy educational programs. Kondela–Cebulski PM. **Phys Ther** 1982 Apr;62(4):470–6

The future of the health education profession: implications for preparation and practice. Henderson AC, et al. **Public Health Rep** 1981 Nov–Dec;96(6):555–9

Faculty qualifications and student achievement in radiologic technology. Weinstein RD. **Radiol Technol** 1981 Mar–Apr; 52(5):521–8

Visits to European veterinary schools by United Kingdom veterinary school staff. Weaver AD. **Vet Rec** 1981 Oct 3;109(14):307–9

[Psychological adaptation of retired university professors, former victims of Nazi repressive measures] Szemraj–Lochynska A, et al. **Przegl Lek** 1981;38(1):33–6 **(Pol)**

STANDARDS

Faculty performance evaluation: the CIPP–SAPS model. Mitcham M. **J Allied Health** 1981 Nov;10(4):260–6

Ethics and policy governing faculty and students. Greenberg JS, et al. **J Am Coll Health Assoc** 1981 Dec;30(3):141–2

FACULTY, DENTAL

An investigation into the validity and reliability of the marking of students' orthodontic practical work. Brown ID, et al. **Br J Orthod** 1982 Apr;9(2):107–10

Is there a future for tenure in dental education? Mendel RW, et al. **J Am Coll Dent** 1982 Spring;49(1):28–31

Development of a dental career teacher program in substance abuse. Arthur MS, et al. **J Dent Educ** 1982 Mar;46(3):173–5

Mandatory clinical practice for dental and dental hygiene faculty. Cameron CA, et al. **J Dent Educ** 1982 Mar; 46(3):153–7

Future faculty training requirements and job opportunities: a survey of U.S. dental school deans. Herzberg MC, et al. **J Dent Educ** 1982 May;46(5):261–5

The role of tenure and the development of clinical tracks for faculty. Kennedy JE. **J Dent Educ** 1981 Oct; 45(10):663–9

Faculty retention in dental hygiene programs. Ley ES.

J Dent Educ 1982 Sep;46(9):533–6
Tenure in U.S. and Canadian dental schools. Scheetz JP, et al. J Dent Educ 1982 Feb;46(2):68–73
Allied dental educators: faculty salary survey 1980—1981. Solomon E, et al. J Dent Educ 1981 Nov;45(11):772–3

PSYCHOLOGY

Significant differences in educational attitudes between selected Australian and British dental academics. McMaugh DR. Aust Dent J 1982 Apr;27(2):120–3

STANDARDS

The role of curriculum and faculty evaluation in dental education. Mackenzie RS. J Dent Educ 1981 Oct; 45(10):678–84

FACULTY, MEDICAL

Academic rank and salary status of medical laboratory sciences faculty. Maturen A, et al. Am J Med Technol 1981 Dec;47(12):991–5
Women in academic psychiatry: politics and progress. Robinowitz CB, et al. Am J Psychiatry 1981 Oct; 138(10):1357–61
Research and training programs in general internal medicine [letter] Ann Intern Med 1982 Jul;97(1):136–7
Impact of a cardiology data bank on physicians' prognostic estimates. Evidence that cardiology fellows change their estimates to become as accurate as the faculty. Goldman L, et al. Arch Intern Med 1981 Nov;141(12):1631–4
The role of the attending physician. Greganti MA, et al. Arch Intern Med 1982 Apr;142(4):698–9
Career development of the academic cardiologist. Kronenberg MW. Chest 1982 Feb;81(2):138
Issues and challenges for academic cardiology. Introduction to views of the future leaders. Resnekov L. Chest 1982 Feb;81(2):137–8
Working it out together. Report of the Faculty of Community Medicine Training Conference 1981. Hagard S, et al. Community Med 1981 Aug;3(3):235–43
Association of Professors of Dermatology. Everett MA. Int J Dermatol 1981 Oct;20(8):548–9
The staffing of preclinical and paraclinical departments in Irish medical schools. Hooper AC. Ir Med J 1982 May; 75(5):145–8
Teaching styles in the faculty–resident relationship. Bibace R, et al. J Fam Pract 1981 Nov;13(6):895–900
A systematic approach to faculty development for family practice faculty. Bland CJ, et al. J Fam Pract 1982 Mar; 14(3):537–43
Resident and faculty perceptions of effective clinical teaching in family practice. Gjerde CL, et al. J Fam Pract 1982 Feb;14(2):323–7
Ratings of medical journals by family physician educators. Miller MD. J Fam Pract 1982 Sep;15(3):517–9
Personality correlates in faculty ratings of resident competence. Beaber RJ, et al. J Med Educ 1982 Jul; 57(7):569
An adjunct humanities faculty in medical school. Bergman GE, et al. J Med Educ 1982 May;57(5):413–5
Faculty perceptions of their own specialty. Blumberg P, et al. J Med Educ 1982 Apr;57(4):338–9
Major academic origins of medical school deans. Bryll T, et al. J Med Educ 1982 Apr;57(4):341–2
Compensation for community-based voluntary medical school faculty. Burke WM, et al. J Med Educ 1982 Apr; 57(4):338
Faculty mentors for medical students. Flach DH, et al. J Med Educ 1982 Jul;57(7):514–20
Women faculty members at U.S. medical schools. Higgins E. J Med Educ 1982 Mar;57(3):202–3
Major sources of U.S.-trained M.D.s on U.S. medical school faculties. Higgins EJ, et al. J Med Educ 1982 Jul; 57(7):571–3
The faculty and continuing medical education: an attitude study. Lein JN, et al. J Med Educ 1981 Sep;56(9 Pt 1):737–41
A multi-component program to increase family physicians' faculty skills. McGaghie WC, et al. J Med Educ 1981 Oct; 56(10):803–11
The goals of the medical school: differences between student and faculty perceptions. Neumann L, et al. J Med Educ 1982 Jul;57(7):557–9
Attitudes of physician faculty members and residents toward the pregnant medical resident. Shapiro J. J Med Educ 1982 Jun;57(6):483–6
The University of Wisconsin Clinical Practice Plan. Shenefelt PD, et al. J Med Educ 1982 Jun;57(6):455–60
Educational origins of M.D. faculty members in five groups of medical schools. Sherman CR, et al. J Med Educ 1982 Sep;57(9):659–65
Inflation and medical school faculty salaries. Smith WC Jr. J Med Educ 1981 Dec;56(12):1028–9
Tenure in medical schools in the 1980s. Smythe CM, et al. J Med Educ 1982 May;57(5):349–60
Faculty supervision of residents in an internal medicine practice. Weinreb L, et al. J Med Educ 1981 Dec; 56(12):1011–8
Advancement of men and women in medical academia. A pilot study. Wallis LA, et al. JAMA 1981 Nov 20; 246(20):2350–3
Death in an untenured position [editorial] Witte MH. JAMA 1981 Nov 20;246(20):2356–7
An interview with the Reverend Leslie Miles, Jr., MD, chairman of the faculty's committee on Medicine and Religion [by Blaine Taylor] Miles L Jr. Md State Med J 1981 Dec;30(12):35–7
Alva S. Baker, MD: a profile/interview of the chairman of the Faculty Program and Arrangements Committee. Taylor B. Md State Med J 1981 Oct;30(10):66–7
Faculty development and resident training in epidemiology and biostatistics. Mulvihill MN. Mt Sinai J Med (NY) 1981 Jul–Aug;48(4):350–2
Sounding Board: alcoholism in a medical-school faculty. Spickard A, et al. N Engl J Med 1981 Dec 31; 305(27):1646–8
Neurosurgery faculty participation in undergraduate medical education in American medical schools: a preliminary report by the Subcommittee on Undergraduate Education of the Joint Committee on Education of the American Association of Neurological Surgeons and the Congress of Neurological Surgeons. Foltz EL, et al. Neurosurgery 1982 Jan;10(1):122–5
The role of the Ph.D. physiologist in a clinical department. Blankenship JE. Physiologist 1981 Dec;24(6):20–2
A physiology chairman's objectives in selecting young faculty members: criteria in a smaller medical school setting. Filkins JP. Physiologist 1982 Apr;25(2):65–7
Ph.D.'s in clinical departments. Fishman AP, et al. Physiologist 1981 Oct–Nov;24(5):17–21
An academic career in a basic medical science department of physiology. Saba TM. Physiologist 1981 Dec;24(6):16–20
A division of research in an academic clinical department. Traystman RJ. Physiologist 1982 Apr;25(2):63–4
Program planning for faculty development in allied health education. Thorpe RL. Radiol Technol 1981 Sep–Oct; 53(2):145–50
[Pedagogical training of medical school teachers in the USSR (author's transl)] Mareš J. Cas Lek Cesk 1982 Jan 22; 121(3):83–5 (Eng. Abstr.) (Cze)
[The formulation of objectives in a medical faculty] Slabber CF, et al. S Afr Med J 1981 Dec 5;60(23):899–901 (Eng. Abstr.) (Ger)
[Collaborative work of the social chair of hygiene and the public health organs and institutions] Emel'ianova GF, et al. Sov Zdravookhr 1981;(12):30–3 (Eng. Abstr.) (Rus)

HISTORY

[Professors of the Warsaw Medical Academy. Address at the April 1980 meeting of the Warsaw Medical Society] Krus S. Pol Tyg Lek 1980 Dec 15;35(50):1981–4 (Pol)
[The beginnings of the medical school at Comenius University in Bratislava. 1. The 1st medical faculty] Tichý M. Bratisl Lek Listy 1982 Feb;77(2):235–40 (Slo)

STANDARDS

Faculty development and evaluation of teaching performance [editorial] Geyman JP. J Fam Pract 1982 Jun;14(6):987–8
Faculty evaluation as a means of faculty development. Whitman N, et al. J Fam Pract 1982 Jun;14(6):1097–101
Using interaction analysis to evaluate the faculty in a human behavior course. Bernstein RA, et al. J Med Educ 1982 Jan;57(1):68–9
Promotion criteria: perceptions of faculty members and departmental chairmen. Gjerde CL, et al. J Med Educ 1982 Mar;57(3):157–62
Faculty promotion and tenure [editorial] Reynolds RC. J Med Educ 1982 Mar;57(3):200–1
The clinical faculty in an obstetric- gynecologic residency training program. Hale RW, et al. J Reprod Med 1982 Apr; 27(4):196–8
[Selection of professors, based on ability to teach?] Mårtenson D. Nord Med 1982 Jan;97(1):25–6 (Eng. Abstr.) (Swe)

SUPPLY & DISTRIBUTION

Faculty resources for teaching geriatric medicine. Coe RM, et al. J Am Geriatr Soc 1982 Jan;30(1):63–6

FACULTY, NURSING

An evaluation of a workshop for teachers of nursing by comparing the members' expectations with their opinions of the outcome. Sheahan J. J Adv Nurs 1981 Nov; 6(6):483–9
Educating teachers of nursing: the attitudes of students. Sheahan J. J Adv Nurs 1982 Jan;7(1):69–77
Working together: a positive experience in service–education collaboration. Poulin MA, et al. J Nurs Adm 1981 Nov–Dec;11(11–12):44–8
Unifying education and practice: one medical center's design. Part 2. Sovie MD. J Nurs Adm 1981 Feb;11(2):30–2
Burnout in nursing education. Jeglin-Mendez AM. JNE 1982 Apr;21(4):29–34
Student grade appeals- procedure and process. Miller P. JNE 1982 Jun;21(6):34–8
Faculty development in nursing education: a teaching consultation service. Sorcinelli MD, et al. JNE 1982 Apr; 21(4):35–41
Process evaluation: a second look at psychomotor skills. Sweeney MA, et al. JNE 1982 Feb;21(2):4–17
Joint appointments: challenge for nursing. Fasano N. Nurs Forum 1981;20(1):72–85
The search committee process. Bayne MV, et al. Nurs Outlook 1982 Mar;30(3):178–81
The interpersonal dimension of collegiality. Beyer JE, et al. Nurs Outlook 1981 Nov;29(11):662–5
The search interview. Heller BR, et al. Nurs Outlook 1982 Mar;30(3):182–5
Faculty practice--noble intentions gone awry? Holm K. Nurs Outlook 1981 Nov;29(11):655–7
Therapeutic communication and clinical instruction. Karns PJ, et al. Nurs Outlook 1982 Jan;30(1):39–43
Sharing a faculty position. O'Kane PK, et al. Nurs Outlook 1982 Jul–Aug;30(7):411–3
An experience in collaborative research. Singleton EK, et al. Nurs Outlook 1982 Jul–Aug;30(7):395–401
The effect of centralized decision-making on work satisfaction among nursing educators. Grandjean BD, et al. Res Nurs Health 1982 Mar;5(1):29–36

STANDARDS

Clinical evaluation of the nursing instructor: another dimension of professional accountability. Curry MA. Nurs Forum 1981;20(1):62–71
Associated degree nursing: faculty preparation and commitment. Heller BR. Nurs Outlook 1982 May; 30(5):310–1
A doctorate--necessary but not sufficient. Perry SE. Nurs Outlook 1982 Feb;30(2):95–8

FAD

The molecular basis for complexation of adriamycin with flavin mononucleotide and flavin adenine dinucleotide. Kharasch ED, et al. Arch Biochem Biophys 1981 Nov; 212(1):20–36
Photochemically induced dynamic nuclear polarization study on flavin adenine dinucleotide and flavoproteins. van Schagen CG, et al. Biochemistry 1982 Jan 19;21(2):402–7

ANALOGS & DERIVATIVES

Oxidation-reduction potentials of molybdenum, flavin, and iron-sulfur centers in milk xanthine oxidase: variation with pH. Barber MJ, et al. Biochemistry 1982 Mar 30; 21(7):1638–47
Magnetic interactions in milk xanthine oxidase. Barber MJ, et al. Biochemistry 1982 Mar 30;21(7):1648–56

ANALYSIS

Enzymatic measurement of tissue flavin adenine dinucleotide using rat kidney apo D-amino acid oxidase. Ahmed F, et al. Indian J Med Res 1981 Mar;73:404–9

BIOSYNTHESIS

Formation of flavin adenine dinucleotide and flavin mononucleotide by lens homogenate. Ono S, et al. Exp Eye Res 1982 Feb;34(2):297–301

METABOLISM

Calorimetric studies of flavin-binding proteins: FMN and FAD binding to hen egg riboflavin-binding proteins. Nowak HP, et al. Arch Biochem Biophys 1982 Mar; 214(1):231–8
Oxidation-reduction states of FMN and FAD in NADPH-cytochrome P-450 reductase during reduction by NADPH. Oprian DD, et al. J Biol Chem 1982 Aug 10;257(15):8935–44
Involvement of FAD-containing monooxygenase in cocaine-induced hepatotoxicity. Kloss MW, et al. Toxicol Appl Pharmacol 1982 Jun 15;64(1):88–93

PHARMACODYNAMICS

Influence of flavin addition and removal on the formation of superoxide by NADPH-Cytochrome P-450 reductase: a spin-trap study. Grover TA, et al. Arch Biochem Biophys 1981 Nov;212(1):105–14
Sulfoxidation of thioether-containing pesticides by the flavin-adenine dinucleotide- dependent monooxygenase of pig liver microsomes. Hajjar NP, et al. Biochem Pharmacol 1982 Mar 1;31(5):745–52

FAGINE see CHOLINE

FAILURE, EQUIPMENT see EQUIPMENT FAILURE

FAINTING see SYNCOPE

FAIRBANK'S DISEASE see CHONDRODYSTROPHIA CALCIFICANS CONGENITA

FALLOPIAN TUBE DISEASES

COMPLICATIONS

Etiological factors in tubal infertility. Trimbos-Kemper T, et al. Fertil Steril 1982 Mar;37(3):384–8

DIAGNOSIS

An unusual case of ruptured tubo-ovarian abscess simulating ovarian carcinoma. Krebs HB, et al. Diagn Gynecol Obstet 1982 Spring;4(1):63–8

Torsion of the fallopian tube. Filtenborg TA, et al. **Eur J Obstet Gynaecol Reprod Biol** 1981 Sep;12(3):177–81

A single diverticulum of the fallopian tube. Madanes A, et al. **Fertil Steril** 1982 Jan;37(1):121–2

Torsion of the Fallopian tube in a premenarchal girl. Duffy TJ. **Postgrad Med J** 1981 Apr;57(666):267–8

[Comparison between hysterosalpingographic findings and lesions observed by laparoscopy and laparotomy (author's transl)] Brolin I, et al. **ROFO** 1980 Nov;133(5):510–3 (Eng. Abstr.) **(Ger)**

[Pregnancy of women with endoscopically detected and untreated sterility. Retrospective analysis of 'false negative' findings (author's transl)] Lürmann K. **Zentralbl Gynakol** 1982;104(6):357–63 (Eng. Abstr.) **(Ger)**

[Torsion of the fallopian tube in pregnancy] Kubicki J. **Ginekol Pol** 1981 Jun;52(6):547–8 (Eng. Abstr.) **(Pol)**

[Comparison of hysterosalpingographic and laparoscopic findings in tubal factor of sterility (author's transl)] Smiljanić N, et al. **Jugosl Ginekol Opstet** 1981 Dec; 21(5–6):113–6 (Eng. Abstr.) **(Scr)**

ETIOLOGY

Primary appendicitis with an appendico–tuboovarian fistula. Hoffer FA, et al. **AJR** 1982 Apr;138(4):742–3

Intravaginal prolapse of the fallopian tube following vaginal hysterectomy. Bilodeau B. **Am J Obstet Gynecol** 1982 Aug 15;143(8):970–1

The relationship of genital tract actinomycetes and the development of pelvic inflammatory disease. Burkman R, et al. **Am J Obstet Gynecol** 1982 Jul 1;143(5):585–9

Endosalpingosis ('endosalpingoblastosis') following laparoscopic tubal coagulation as an etiologic factor of ectopic pregnancy. McCausland A. **Am J Obstet Gynecol** 1982 May 1;143(1):12–24

Post tubal ligation syndrome or iatrogenic hydrosalpinx. Gregory MG. **J Tenn Med Assoc** 1981 Oct;74(10):712–4

[Actinomycosis of the female genital tract] Wells W, et al. **Rev Chil Obstet Ginecol** 1980;45(3):141–6 (Eng. Abstr.) **(Spa)**

PARASITOLOGY

Cysticercosis of the fallopian tube: histology and microanalysis. Abraham JL, et al. **Hum Pathol** 1982 Jul; 13(7):665–70

PATHOLOGY

Scanning electron microscopy of the tubercular fallopian tube. Zamberletti D, et al. **Acta Eur Fertil** 1981 Sep; 12(3):213–21

[Torsion of the normal fallopian tube] Flintholm J, et al. **Ugeskr Laeger** 1981 May 11;143(20):1280 **(Dan)**

PHYSIOPATHOLOGY

Unexpected pregnancies in women afflicted by occlusive tubal disease. Gomel V, et al. **Fertil Steril** 1981 Oct; 36(4):529–30

Mechanically-induced hydrosalpinx: long-term oviductal dilatation does not impair ciliary transport function. Patton DL, et al. **Fertil Steril** 1981 Dec;36(6):808–13

RADIOGRAPHY

Apparent cornual occlusion in hysterosalpingography: reversal by glucagon. Winfield AC, et al. **AJR** 1982 Sep; 139(3):525–7

SURGERY

Microsurgery for tubal and ovarian disease. Winston RM. **Ann Chir Gynaecol** 1982;71(1):97–102

Microsurgical reversal of the artificially induced hydrosalpinx in the rabbit – morphological studies. Petrucco OM, et al. **Aust NZ J Obstet Gynaecol** 1981 Aug; 21(3):159–63

Unilateral tubal reanastomosis at two sites: a report of a successful case. Mattox JH, et al. **Fertil Steril** 1982 Apr; 37(4):580–1

Implantation procedures for intramural obstruction. Pure bilateral implantation in 35 patients. Levinson CJ. **J Reprod Med** 1981 Jul;26(7):347–51

Tubal surgery. Taylor PJ. **Obstet Gynecol Annu** 1982; 11:253–301 (173 ref.)

[Successful pregnancy after laser surgery of blocked tubes (author's transl)] Grünberger V, et al. **Wien Klin Wochenschr** 1981 Dec 11;93(23):716–7 (Eng. Abstr.) **(Ger)**

THERAPY

Laparoscopy in the diagnosis and treatment of pelvic inflammatory disease with abscess formation. Adducci JE. **Int Surg** 1981 Oct–Dec;66(4):359–60

Management of tubo-ovarian abscess. Manara LR. **JAOA** 1982 Mar;81(7):476–80

VETERINARY

Cyst formation in mesosalpinx, mesovarium and fimbria in cows and sows. Tsumura I, et al. **Nippon Juigaku Zasshi** 1982 Feb;44(1):1–8

FALLOPIAN TUBE NEOPLASMS

DIAGNOSIS

Mixed mesodermal tumour of the fallopian tube. A case report. Holst N, et al. **Ann Chir Gynaecol** 1981;70(4):207–9

Adolescent endometriosis. Goldstein DP, et al. **J Adolesc Health Care** 1980 Sep;1(1):37–41

[2 case reports of primary carcinoma of the fallopian tubes] Gavrić B, et al. **Srp Arh Celok Lek** 1982 Nov; 109(11):1537–41 **(Scc)**

DRUG THERAPY

Carcinoma of the Fallopian tube treated with a combination of surgery and cytotoxic chemotherapy. Case report. Guthrie D, et al. **Br J Obstet Gynaecol** 1981 Oct; 88(10):1051–3

Primary carcinoma of the fallopian tube. Kadziora MB, et al. **Can J Surg** 1981 Jul;24(4):425–6

Cerebral blindness in association with cis-platinum chemotherapy for advanced carcinoma of the fallopian tube. Diamond SB, et al. **Obstet Gynecol** 1982 Jun;59(6 Suppl):84S–6S

PATHOLOGY

Adenocarcinoma of the uterine tube: potential for lymph node metastases. Tamimi HK, et al. **Am J Obstet Gynecol** 1981 Sep 15;141(2):132–7

Tubal (serous) carcinoma of the endometrium. Lauchlan SC. **Arch Pathol Lab Med** 1981 Nov;105(11):615–8

Primary carcinoma of the fallopian tube. Report of 22 cases. Raju KS, et al. **Br J Obstet Gynaecol** 1981 Nov; 88(11):1124–9

Gestational choriocarcinoma of the fallopian tube. Ober WB, et al. **Diagn Gynecol Obstet** 1981 Fall;3(3):213–31 (32 ref.)

Adenomatoid tumour—a report of two cases. Kothare SN. **Singapore Med J** 1981 Jun;22(3):166–7

[Rupture of a dermoid cyst originating in a fallopian tube] Crone P, et al. **Ugeskr Laeger** 1981 Jun 22;143(26):1657 **(Dan)**

[Tubal choriocarcinoma. A case report (author's transl)] Soulier A, et al. **J Chir (Paris)** 1982 Apr;119(4):267–70 (Eng. Abstr.) **(Fre)**

[2 cases of trophoblastic tumor of the fallopian tube] Kalinin AV. **Akush Ginekol (Mosk)** 1981 Sep;(9):54 **(Rus)**

[Heterotopic mesodermal tumor of the fallopian tube] Egorov VP. **Arkh Patol** 1982;44(2):54–6 (Eng. Abstr.) **(Rus)**

THERAPY

Primary adenocarcinoma of the fallopian tube. Roberts JA, et al. **Gynecol Oncol** 1982 Jun;13(3):301–8

FALLOPIAN TUBE PATENCY TESTS

[Technical problems in the diagnosis of tubal sterility] Uher J, et al. **Cesk Gynekol** 1982 Jun;47(5):374–9 **(Cze)**

[Pregnancy of women with endoscopically detected and untreated sterility. Retrospective analysis of 'false negative' findings (author's transl)] Lürmann K. **Zentralbl Gynakol** 1982;104(6):357–63 (Eng. Abstr.) **(Ger)**

[Changes of the insufflatory findings after hydrotubation therapy in female sterility of tubal origin] Ragni G, et al. **Ann Ostet Ginecol Med Perinat** 1981 Jul–Aug;102(4):265–9 (Eng. Abstr.) **(Ita)**

METHODS

[About the possibility of fallopian tubes patency evaluations by means of 99mTc-pertechnetate and comparison of radiation loads due to radioisotopic and x-ray examinations (author's transl)] Ryznar V, et al. **Cesk Gynekol** 1981 Nov; 46(9):692–5 (Eng. Abstr.) **(Cze)**

[Recent studies into conductivity of oviduct (author's transl)] Kardos F, et al. **Zentralbl Gynakol** 1981;103(12):687–93 (Eng. Abstr.) **(Ger)**

[Functional test for fallopian tube patency] Kardos F, et al. **Orv Hetil** 1981 Aug 9;122(32):1947–9 **(Hun)**

FALLOPIAN TUBES

see related
HYSTEROSALPINGOGRAPHY
STERILIZATION, TUBAL

Tubocutaneous fistula. Wittich AC, et al. **Am J Obstet Gynecol** 1982 Sep 1;144(1):109–10

ABNORMALITIES

Bilateral autoamputation of the fallopian tubes. Bates GW, et al. **Fertil Steril** 1982 Aug;38(2):253–4

Segmental absence of the mid-portion of the fallopian tube. Richardson DA, et al. **Fertil Steril** 1982 Apr;37(4):577–9

Left ostium straight: an inherited anomaly of the female genital tract in the rabbit. Crary DD, et al. **J Hered** 1981 Sep–Oct;72(5):362–3

Crossed renal ectopia with unilateral agenesis of fallopian tube and ovary. Zaitoon MM, et al. **J Urol** 1982 Jul; 128(1):111

ANALYSIS

Effect of ovulation on the ionic and water content of rabbit oviduct. Johns A, et al. **Biol Reprod** 1982 Apr;26(3):367–77

Demonstration of production and isolation of three sulfated glycoproteins from the rabbit oviduct. Oliphant G, et al. **Biol Reprod** 1982 Apr;26(3):537–44

Mucins of the fallopian tube of the Indian goat Capra hircus (Linn.). Gadegone MM, et al. **Z Mikrosk Anat Forsch** 1981; 95(2):230–8

[Histochemical and microanalytical studies of the behavior of adreno-cholinergic mediators] Tessitore V, et al. **Arch Ital Anat Embriol** 1981;86(3):235–53 (Eng. Abstr.) **(Ita)**

ANATOMY & HISTOLOGY

Pelvic macrophages in normal and infertile women: the role of patent tubes. Halme J, et al. **Am J Obstet Gynecol** 1982 Apr 1;142(7):890–5

[Autochthonous and auxiliary muscles of the fallopian tubes] Uher J, et al. **Cesk Gynekol** 1981 Dec;46(10):771–9 **(Cze)**

['In vitro' culture of the oviduct of women, rats and rabbits. Preliminary results (author's transl)] Menezo Y, et al. **J Gynecol Obstet Biol Reprod (Paris)** 1981;10(7):651–4 (Eng. Abstr.) **(Fre)**

[Biomorphosis of human fallopian tube mucosa] Schultka R. **Gegenbaurs Morphol Jahrb** 1981;127(5):615–9 (Eng. Abstr.) **(Ger)**

BLOOD SUPPLY

[Characteristics of the microvascular bed of the uterine tubes in women] Glukhovets BI, et al. **Arkh Anat Gistol Embriol** 1982 May;82(5):51–5 (Eng. Abstr.) **(Rus)**

CYTOLOGY

Sperm distribution within the genital tract of naturally inseminated gilts. Viring S, et al. **Nord Vet Med** 1981 Mar; 33(3):145–9

DRUG EFFECTS

Copper and contractility of the human fallopian tube. Lindblom B, et al. **Am J Obstet Gynecol** 1981 Oct 15; 141(4):398–402

The effect of the progesterone-releasing intrauterine device on uterine endometrium and fallopian tube epithelium. Sheppard BL, et al. **Arch Toxicol [Suppl]** 1982;5:231–4

Structure and function of the fallopian tubes following exposure to diethylstilbestrol (DES) during gestation. DeCherney AH, et al. **Fertil Steril** 1981 Dec;36(6):741–5

Host species-specific damage to oviduct mucosa by Neisseria gonorrhoeae lipopolysaccharide. Gregg CR, et al. **Infect Immun** 1981 Dec;34(3):1056–8

Neurogenic relaxation mediated by vasoactive intestinal polypeptide (VIP) in the isthmus of the human fallopian tube. Helm GH, et al. **Regul Pept** 1982 Feb;3(2):145–53

[Pharmacological study on chemically induced tubal occlusion in rabbits (author's transl)] **Chung Hua Fu Chan Ko Tsa Chih** 1979 Apr;14(2):87–90 **(Chi)**

[A study of the action of Noxythiolin injected ' in situ' in the mucosa of the tube and in the peritoneum in the rabbit (author's transl)] Colau JC, et al. **J Gynecol Obstet Biol Reprod (Paris)** 1981;10(8):761–4 (Eng. Abstr.) **(Fre)**

ENZYMOLOGY

Amylase in fallopian tube and serous ovarian neoplasms: immunohistochemical localization. Bruns DE, et al. **Arch Pathol Lab Med** 1982 Jan;106(1):17–20

[Devitalization and haemostasis by thermal destruction—results of enzyme-histochemical and histological examination of oviduct specimens, following tissue coagulation by means of endocoagulation or high-frequency current (author's transl)] Riedel HH, et al. **Zentralbl Gynakol** 1982;104(8):489–501 (Eng. Abstr.) **(Ger)**

[Cathepsin D activity in a pathologically altered fallopian tube] Dawidiuk W. **Ginekol Pol** 1982 Jan–Feb;53(1–2):9–11 (Eng. Abstr.) **(Pol)**

[Activity of beta-N-acetylhexosaminidase in the fallopian tubes] Dawidiuk W. **Ginekol Pol** 1981 Oct;52(10):869–72 (Eng. Abstr.) **(Pol)**

INNERVATION

Adrenergic and peptidergic neuromuscular mechanisms in the human Fallopian tube, with special regard to cyclic influences. Helm G. **Acta Obstet Gynecol Scand [Suppl]** 1981;104:1–23

On the VIP-ergic innervation of the uterotubal junction. Ström C, et al. **Acta Physiol Scand** 1981 Feb;111(2):213–5

Histochemical investigation on the distribution of adrenergic nerve terminals in the porcine oviduct. Rodriguez-Martinez H, et al. **Zentralbl Veterinarmed [A]** 1982 Feb;29(1):64–71

METABOLISM

Juxtanuclear globule of the human fimbrial epithelium ciliary cell: a histo- and cytochemical study. Peretz BA, et al. **Acta Anat (Basel)** 1982;113(1):69–77

Penetration of lymecycline (tetracycline) into the tissues of

the Fallopian tube. Bergholm AM, et al. **Acta Obstet Gynecol Scand** 1982;61(1):47–52

Levels of trimethoprim and sulfamethoxazole in human oviduct mucosa and plasma. Brihmer C, et al. **Acta Obstet Gynecol Scand** 1982;61(2):149–52

Oviduct acid mucus glycoproteins in the estrous rabbit: ultrastructure and histochemistry. Jansen RP, et al. **Biol Reprod** 1982 Feb;26(1):155–68

Human oviductal fluid proteins. Lippes J, et al. **Fertil Steril** 1981 Nov;36(5):623–9

A comparison of cytoplasmic and nuclear estradiol and progesterone receptors in human fallopian tube and endometrial tissue. Pollow K, et al. **Fertil Steril** 1981 Nov; 36(5):615–22

Binding of estrogen and progestin in the human fallopian tube. Punnonen R, et al. **Fertil Steril** 1981 Nov;36(5):610–4

Gamma-aminobutyric acid system in rat oviduct. Martín del Río R. **J Biol Chem** 1981 Oct 10;256(19):9816–9

Higher GABA concentrations in fallopian tube than in brain of the rat. Erdö SL, et al. **J Neurochem** 1982 Apr; 38(4):1174–6

Two preparations for the study of the isolated rabbit oviduct. Leese HJ, et al. **J Reprod Fertil** 1981 Sep;63(1):249–55

Changes in cytosolic and nuclear estradiol receptors of normal Fallopian tube throughout the menstrual cycle. Pino AM, et al. **J Steroid Biochem** 1982 Feb;16(2):193–7

The presence of ethanol in the oviductal and uterine luminal fluids of alcoholized rats. Sandor S, et al. **Morphol Embryol (Bucur)** 1981 Oct–Dec;27(4):303–9

Effects of tension and transmural stimulation on prostaglandin production by estrous rabbit oviductal isthmus. Rajkumar K, et al. **Prostaglandins** 1981 Jun; 21(6):889–97

[Biomorphosis of the human fallopian tube mucosa; a contribution to the problem of morphology and aging of the uterine tube. II. Histochemical findings] Schultka R. **Gegenbaurs Morphol Jahrb** 1981;127(3):391–415 (Eng. Abstr.) **(Ger)**

[The histochemistry of human endosalpingeal ciliated cells (author's transl)] Kugler P. **Histochemistry** 1981; 73(1):137–50 (Eng. Abstr.) **(Ger)**

[Specificity characteristics of estrogen interaction with the cytoplasmic receptors of the uterus and oviducts in green monkeys (Cercopithecus griseus)] Fanchenko ND, et al. **Vopr Med Khim** 1982 Jul–Aug;28(4):56–8 (Eng. Abstr.) **(Rus)**

MICROBIOLOGY

Pasteurella haemolytica in the bovine reproductive tract [letter] Neill SD, et al. **Can Vet J** 1981 Sep;22(9):294

Attachment of pathogenic Neisseria to human mucosal surfaces: role in pathogenesis. Stephens DS, et al. **Infection** 1982;10(3):192–5

Attempts to produce gynaecological disease in grivet monkeys with Ureaplasma urealyticum. Møller BR, et al. **J Med Microbiol** 1981 Nov;14(4):475–8

PATHOLOGY

IUD and salpingitis: a prospective study of pathomorphological changes in the oviducts in IUD-users. Beerthuizen RJ, et al. **Eur J Obstet Gynecol Reprod Biol** 1982 Feb;13(1):31–41

Etiological factors in tubal infertility. Trimbos-Kemper T, et al. **Fertil Steril** 1982 Mar;37(3):384–8

The lymphocyte-epithelial cell ratio in tubal mucosa of patients with cervical carcinoma. Geppert M, et al. **Pathol Res Pract** 1981 Dec;173(1–2):82–7

[Analysis of pathological process in fallopian tubes after injection with mucilago phenol in relation to its sterilization effectiveness (author's transl)] Chen MY. **Chung Hua Fu Chan Ko Tsa Chih** 1979 Apr;14(2):84–6 **(Chi)**

[Sex cord tumor with annular tubules, mucinous metaplasia of tubal epithelium, cystic and mucinous hyperplasia of the endocervix, and the Peutz-Jeghers syndrome (author's transl)] Berger G, et al. **Arch Anat Cytol Pathol** 1981; 29(6):353–7 (Eng. Abstr.) **(Fre)**

[Heterotopic mesodermal tumor of the fallopian tube] Egorov VP. **Arkh Patol** 1982;44(2):54–6 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

Electrical activity in the human oviduct during the menstrual cycle. Talo A, et al. **Am J Obstet Gynecol** 1982 Jan 15; 142(2):135–47

Microsurgical controversies: oviductal function and fertility. Wood C. **Aust NZ J Obstet Gynaecol** 1981 Aug;21(3):137–9

Regional and cyclic variations in catecholamine concentration of the human fallopian tube. Helm G, et al. **Biol Reprod** 1982 May;26(4):553–8

Physiological and pharmacological characteristics of the baboon (Papio anubis) oviduct. Johns A, et al. **Biol Reprod** 1981 Aug;25(1):120–7

Spontaneous motility of the pig oviduct in vitro. Rodriguez-Martinez H, et al. **Biol Reprod** 1982 Feb; 26(1):98–104

Effect of centchroman on preimplantation embryonic development and tubal transport in mice. Singh MM, et al. **Biol Reprod** 1981 Aug;25(1):171–80

Sperm transport, storage and release in the sheep oviduct in relation to the time of ovulation. Hunter RH, et al. **Br Vet J** 1982 May–Jun;138(3):225–32

Failure of cilia of reprogram following segmental ampullary reversal of the rabbit oviduct. Eddy CA, et al. **Experientia** 1982 Jan 15;38(1):104–5

The structural and functional impact of microsurgical anastomosis on the rabbit oviductal isthmus. Halbert SA, et al. **Fertil Steril** 1981 Nov;36(5):653–8

Changes in mechanical properties of the circular muscle of the isthmus of the human fallopian tube in relation to hormonal domination and postovulatory time. Korenaga M, et al. **Fertil Steril** 1981 Sep;36(3):343–50

Reproduction in rabbits after excision of the oviductal isthmus, ampullary-isthmic junction, and uteroisthmic junction. McComb PF, et al. **Fertil Steril** 1981 Nov; 36(5):669–77

Fertility and ovum transport after microsurgical removal of the uterotubal junction in rabbits. Perez L, et al. **Fertil Steril** 1981 Dec;36(6):803–7

Fertility following excision of the mesotubarium superius in the rabbit. Beyth Y, et al. **Isr J Med Sci** 1982 Apr; 18(4):519–21

The importance of the presence of metabolizable sugars in a medium for in vitro fertilization of hamster eggs with postovulatory oviduct contents. Imai H, et al. **J Exp Zool** 1982 Apr 10;220(2):261–5

Sperm capacitation in the Fallopian tube of the hamster and its suppression by endocrine factors. Viriyapanich P, et al. **J Exp Zool** 1981 Sep;217(3):403–7

Motor activity of the human Fallopian tube in vitro in relation to plasma concentration of oestradiol and progesterone, and the influence of noradrenaline. Helm G, et al. **J Reprod Fertil** 1982 Jan;64(1):233–42

Sperm transport and reservoirs in the pig oviduct in relation to the time of ovulation. Hunter RH. **J Reprod Fertil** 1981 Sep;63(1):109–17

Egg transport and postcoital isthmic contractility in the rabbit. Marsafy YM, et al. **J Reprod Med** 1981 Nov; 26(11):558–62

Estradiol and progesterone binding components in the cytosol of normal human fallopian tubes. Pollow K, et al. **J Steroid Biochem** 1982 Mar;16(3):429–35

Electrical and mechanical activities recorded from smooth muscle cells of the human fallopian tube. Kishikawa T, et al. **Jpn J Physiol** 1981;31(3):417–22

An electrical impedance technique for recording oviductal and uterine activity. Schnatz PT, et al. **Med Biol Eng Comput** 1981 Jan;19(1):64–70

Mechanics of ovum transport in the oviduct. Vann PG, et al. **Prog Clin Biol Res** 1982;80:53–7

Hormonal regulation of ciliary function in the oviduct: the effect of beta-adrenergic agonists. Villalón M, et al. **Prog Clin Biol Res** 1982;80:59–65

[Model of hormonal regulation of the contractile activity of the fallopian tubes] Pobedinskiĭ NM, et al. **Akush Ginekol (Mosk)** 1982 Apr;(4):9–12 (Eng. Abstr.) **(Rus)**

[Physico-chemical parameters of estradiol-receptor interactions in cytosol of the uterus and oviducts of Cercopithecus griseus] Alekseeva ML. **Vopr Med Khim** 1982 May–Jun;28(3):115–7 **(Rus)**

PHYSIOPATHOLOGY

[Cyclic changes in the uterine tube epithelium in women] Ukhov IuI, et al. **Arkh Anat Gistol Embriol** 1981 Oct; 81(11):83–9 (Eng. Abstr.) **(Rus)**

RADIONUCLIDE IMAGING

[About the possibility of fallopian tubes patency evaluations by means of 99mTc-pertechnetate and comparison of radiation loads due to radioisotopic and x-ray examinations (author's transl)] Rýznar V, et al. **Cesk Gynekol** 1981 Nov; 46(9):692–5 (Eng. Abstr.) **(Cze)**

SECRETION

Fallopian tube secretions: implications for tubal microsurgery. Jansen RP. **Aust NZ J Obstet Gynaecol** 1981 Aug;21(3):140–2

SURGERY

Repeated tubal surgery. Cognat M, et al. **Acta Eur Fertil** 1981 Jun;12(2):173–85 **(Eng, Ita)**

Ovulatory function after tubal microsurgical procedures in the rabbit. Verhoeven HC, et al. **Am J Obstet Gynecol** 1982 Aug 1;143(7):835–8

Tubal physiology and microsurgery. Eddy CA. **Aust NZ J Obstet Gynaecol** 1981 Aug;21(3):129–33 (27 ref.)

Preoperative assessment for tubal surgery and in vitro fertilization. Johnston I, et al. **Aust NZ J Obstet Gynaecol** 1981 Aug;21(3):153–5

Is microsurgery necessary for salpingostomy? The evaluation of results. Winston RM. **Aust NZ J Obstet Gynaecol** 1981 Aug;21(3):143–52 (59 ref.)

Effect of phentolamine on the metabolic response to gynaecological surgery. Walsh ES, et al. **Br J Anaesth** 1982 May;54(5):517–21

Use of dextrans for the prevention of postoperative peritubal adhesions in rabbits. Vemer HM, et al. **Br J Obstet Gynaecol** 1982 Jun;89(6):473–5

Perforated duodenal ulcer after perioperative steroid treatment. Beynon JL, et al. **Br Med J [Clin Res]** 1981 Dec 12;283(6306):1591–2

Progress in tubal surgery. Winston RM. **Clin Obstet Gynaecol** 1981 Dec;8(3):653–79 (61 ref.)

Classification of operations for tuboperitoneal factors causing infertility [letter] Cognat MA. **Fertil Steril** 1982 Jul; 38(1):121–2

Salpingostomy for ectopic pregnancy in the sole patent oviduct: reproductive outcome. DeCherney AH, et al. **Fertil Steril** 1982 May;37(5):619–22

Infertility surgery of the oviduct: comparison between macrosurgery and microsurgery. Fayez JA, et al. **Fertil Steril** 1982 Jan;37(1):73–8

Late results of salpingostomy combined with salpingolysis and ovariolysis by electromicrosurgery in 54 women. Larsson B. **Fertil Steril** 1982 Feb;37(2):156–60

Results of repeated tuboplasties. Lauritsen JG, et al. **Fertil Steril** 1982 Jan;37(1):68–72

Pregnancy outcome following microsurgical fimbrioplasty. Patton GW Jr. **Fertil Steril** 1982 Feb;37(2):150–5

Tubal anastomosis following unipolar cautery. Rock JA, et al. **Fertil Steril** 1982 May;37(5):613–8

Replacement, repair, and removal of fallopian tubes [editorial] Siegler AM. **Fertil Steril** 1982 May;37(5):611–2

Management of infertile patients with unilateral tubal pathology by paradoxical oophorectomy. Trimbos-Kemper TC, et al. **Fertil Steril** 1982 May; 37(5):623–6

Classification of operations for tuboperitoneal infertility. Cognat MA. **J Reprod Med** 1982 May;27(5):259–60

Implantation procedures for intramural obstruction. Pure bilateral implantation in 35 patients. Levinson CJ. **J Reprod Med** 1981 Jul;26(7):347–51

Endoscopic salpingectomy. Tarasconi JC. **J Reprod Med** 1981 Oct;26(10):541–5

Tubal surgery for infertility. Poma PA. **Proc Inst Med Chic** 1981 Oct–Dec;34(4):99–104

Microsurgical reanastomosis of the fallopian tube: increasingly successful outcome for reversal of previous sterilization procedures. Diamond MP, et al. **South Med J** 1982 Apr;75(4):443–5

[Some problems concerning operations for reconstruction of tubal patency (author's transl)] Chen QB. **Chung Hua Fu Chan Ko Tsa Chih** 1979 Apr;14(2):93–6 **(Chi)**

[Results obtained by macrosurgical treatment of the tubal factor of sterility (author's transl)] Pilka L, et al. **Cesk Gynekol** 1981 Sep;46(8):588–92 (Eng. Abstr.) **(Cze)**

[A review of 53 cases of distal tubal microsurgery (author's transl)] Dubuisson JB, et al. **J Gynecol Obstet Biol Reprod (Paris)** 1981;10(7):711–6 (Eng. Abstr.) **(Fre)**

[A comparative study of salpingotomies with or without suture. An experimental microsurgical research carried out on rabbits' tubes (author's transl)] Gordji M, et al. **J Gynecol Obstet Biol Reprod (Paris)** 1981;10(8):765–70 (Eng. Abstr.) **(Fre)**

[Concerning early laparoscopic control of tubal plastic operations (authors' transl)] Madélénat P, et al. **J Gynecol Obstet Biol Reprod (Paris)** 1981;10(8):845–50 (Eng. Abstr.) **(Fre)**

[An actuarial method used to analyse the results of tubal surgery for sterility (author's transl)] Querleu D. **J Gynecol Obstet Biol Reprod (Paris)** 1981;10(6):527–34 (Eng. Abstr.) **(Fre)**

[Pre-operative medical measures before tubular surgery] Audebert AJ. **Rev Med Suisse Romande** 1981 Jul; 101(7):549–50 **(Fre)**

[Technical aspects of microsurgical salpingostomies] Brémond A. **Rev Med Suisse Romande** 1981 Jul; 101(7):509–10 **(Fre)**

[Classification of interventions for sterility of tubo-peritoneal origin] Cognat MA. **Rev Med Suisse Romande** 1981 Jul; 101(7):507–8 **(Fre)**

[Salpingoneostomies by creating a cuff] Cohen J. **Rev Med Suisse Romande** 1981 Jul;101(7):511–4 **(Fre)**

[Methods of tubal reimplantation] Janecek P. **Rev Med Suisse Romande** 1981 Jul;101(7):525–8 **(Fre)**

[Use of CO2 lasers in tubular microsurgery] Mage G, et al. **Rev Med Suisse Romande** 1981 Jul;101(7):523–4 **(Fre)**

[Tubal surgery: evaluation and presentation of results] Querleu D. **Rev Med Suisse Romande** 1981 Jul;101(7):515–7 **(Fre)**

[Ligation of the fallopian tubes by means of minilaparotomy (our modification of Pomeroy's method) and using a laparoscope (falope ring)] Kuczewski K. **Ginekol Pol** 1981 Jan;52(1):57–62 (Eng. Abstr.) **(Pol)**

[Reconstructive operations on the fallopian tubes with the use of microsurgery] Matsuev AI. **Akush Ginekol (Mosk)** 1981 Sep;(9):31–3 **(Rus)**

[Postoperative ileo-cutaneous fistulas] Ulić D, et al. **Med Pregl** 1981;34(11–12):517–9 (Eng. Abstr.) **(Scc)**

[Tubal microsurgery. Critical analysis of the results and initial experience of the service] Costoya A, et al. **Rev Chil Obstet Ginecol** 1979;44(4):173–85 (Eng. Abstr.) **(Spa)**

TRANSPLANTATION

Experimental tubal transplantation. Paterson P. **Aust NZ J Obstet Gynaecol** 1981 Aug;21(3):164–6

Utilization of contralateral fallopian tube segments in tubal reanastomosis. Haney AF. **Fertil Steril** 1982 May; 37(5):701–3

ULTRASTRUCTURE

Scanning electron microscopy of the tubercular fallopian tube. Zamberletti D, et al. **Acta Eur Fertil** 1981 Sep; 12(3):213–21

Control of the secretory cell cycle in cat oviduct by estradiol and progesterone. Bareither ML, et al. **Am J Anat** 1981 Oct;162(2):107–18

Ultrastructural localization of alkaline and acid phosphatases in the human fallopian tube epithelium during the menstrual cycle. Lindenbaum ES, et al. **Anat Rec** 1982 May; 203(1):67–72

Human fallopian tube epithelium cytochemistry in the first and third trimesters of pregnancy. Peretz BA, et al. **Eur J Obstet Gynaecol Reprod Biol** 1981 Oct;12(4):201–13

Ultrastructural observations of fertilization in the Japanese long-fingered bat, Miniopterus schreibersii fuliginosus. Mori T, et al. **J Reprod Fertil** 1981 Sep;63(1):231–5

[Scanning electron microscopy of the epithelium of the uterine tube following restorative tubular emergency surgery] Pexieder T. **Rev Med Suisse Romande** 1981 Jul; 101(7):535–41 **(Fre)**

FALLOT'S TETRALOGY see TETRALOGY OF FALLOT

FALSE POSITIVE REACTIONS

False-positive sweat tests [letter] Spigelblatt L, et al. **J Pediatr** 1981 Dec;99(6):1001

FAMILIAL MEDITERRANEAN FEVER see PERIODIC DISEASE

FAMILY

see related
CONSANGUINITY

Ill children have disturbed families too. Kraemer S. **Acta Paedopsychiatr (Basel)** 1982 Mar;48(1):19–25

The effects of brief hospitalization upon the psychiatric patient's household. Platt S, et al. **Acta Psychiatr Scand** 1981 Sep;64(3):199–216

Children of alcoholics during the recovery process: alcoholic and matched control families. Moos RH, et al. **Addict Behav** 1982;7(2):155–63

Measuring behavioural disturbance of elderly demented patients in the community and its effects on relatives: a factor analytic study. Greene JG, et al. **Age Ageing** 1982 May;11(2):121–6

Familial aggregation of blood pressure in a highly inbred community, Abu Ghosh, Israel. Hurwich BJ, et al. **Am J Epidemiol** 1982 May;115(5):646–56

Predicting coronary heart disease in siblings--a multivariate assessment: the Framingham Heart Study. Snowden CB, et al. **Am J Epidemiol** 1982 Feb;115(2):217–22

Changes in family support networks over the life cycle of mentally retarded persons. Suelzle M, et al. **Am J Ment Defic** 1981 Nov;86(3):267–74

The unspoken needs of families during high-risk pregnancies. Weil SG. **Am J Nurs** 1981 Nov;81(11):2047–9

Family social support in crises: the special case of divorce. Kitson GC, et al. **Am J Orthopsychiatry** 1982 Jan; 52(1):161–5

Children's rights in the family and society: dilemmas and realities. Knitzer J. **Am J Orthopsychiatry** 1982 Jul; 52(3):481–95

The influence of family variables on an ecologically-based treatment program for emotionally disturbed children. Tittler BI, et al. **Am J Orthopsychiatry** 1982 Jan; 52(1):123–30

Biosocial effects of urban migration on the development of families and children in Guatemala. Bogin B, et al. **Am J Public Health** 1981 Dec;71(12):1373–7

Minor error noted in study on child health in smokers' families [letter] Bonham GS, et al. **Am J Public Health** 1982 Apr;72(4):403

The effects of family involvement and practitioner home visits on the control of hypertension. Earp JA, et al. **Am J Public Health** 1982 Oct;72(10):1146–54

Cognitive and health measures following early nutritional supplementation: a sibling study. Hicks LE, et al. **Am J Public Health** 1982 Oct;72(10):1110–8

The analysis of g-isonymy data. Wilson SR. **Ann Hum Biol** 1981 Jul–Aug;8(4):341–50

The effect of ignoring the correlation among siblings on the bias of the variance of a parent-child regression coefficient. Donner A. **Ann Hum Genet** 1980 Oct;44(Pt 2):205–9

Nursing, the family, and the 'new' social history. Hiestand WC. **ANS** 1982 Apr;4(3):1–12

A holistic model of individual and family health based on a continuum of choice. Hollen P. **ANS** 1981 Jul;3(4):27–42

Grief themes. Johnson-Soderberg S. **ANS**.1981 Jul;3(4):15–26

Examining family growth and development: a theoretical model. Streff MB. **ANS** 1981 Jul;3(4):61–9

Organ donation: one family's story. Kimball L. **AORN J** 1982 Jul;36(1):50–2

Blood lead levels in Sri Lankan families recovering gold and silver from jewellers' waste. Ramakrishna RS, et al. **Arch Environ Health** 1982 Mar–Apr;37(2):118–20

Parental loss and family stability in attempted suicide. Adam KS, et al. **Arch Gen Psychiatry** 1982 Sep;39(9):1081–5

The family meets the hospital. Clinical presentation of a laboratory-based family typology. Costell RM, et al. **Arch Gen Psychiatry** 1982 Apr;39(4):433–8

Family intervention in rehabilitation of patient with Huntington disease. Power PW. **Arch Phys Med Rehabil** 1982 Sep;63(9):441–2

Family intervention for inner-city populations. Payne-Johnson JC. **ASHA** 1982 Jan;24(1):33–4

Talking with the terminally ill: grief and care of a particular kind. Davidson GP. **Aust Fam Physician** 1981 Jul; 10(7):520–6

A controlled study of psychiatric hospital versus community treatment – the effect on relatives. Hoult J, et al. **Aust NZ J Psychiatry** 1981 Dec;15(4):323–8

Family responses and mechanisms of adjustment following death of children with cancer. Jurk IH, et al. **Aust Paediatr J** 1981 Jun;17(2):85–8

The impact of the at-risk infant on family solidarity. White M, et al. **Birth Defects** 1981;17(6):253–84

The role of maintenance therapy and relatives' expressed emotion in relapse of schizophrenia: a two-year follow-up. Leff J, et al. **Br J Psychiatry** 1981 Aug;139:102–4

The burden on the family of a psychiatric patient: development of an interview schedule. Pai S, et al. **Br J Psychiatry** 1981 Apr;138:332–5

A suicidal family. Zaw KM. **Br J Psychiatry** 1981 Jul; 139:68–9

Family study of antipyrine clearance. Blain PG, et al. **Br Med J [Clin Res]** 1982 Jan 16;284(6310):150–2

Family process and legal guardianship for the psychiatric patient: a clinical study. Isenberg EF, et al. **Bull Am Acad Psychiatry Law** 1981;9(2):128–39

Psychiatric aspects of familicide. Malmquist CP. **Bull Am Acad Psychiatry Law** 1980;8(3):298–304

Relative risk of adolescent drug abuse: Part I. Socio-demographic and interpersonal variables. Mohan D, et al. **Bull Narc** 1981;33(1):1–8

Friends and families of psychiatric patients [letter] Thornton JF, et al. **Can Med Assoc J** 1982 Jun 15;126(12):1375

Parents' report of family life with a developmentally delayed child. Wishart MC, et al. **Child Care Health Dev** 1981 Oct; 7(5):267–79

The family care center. Transitional care for the sick infant and his family. Goldson EU. **Child Today** 1981 Jul–Aug; 10(4):15–20

The effects of age, body wight and family relationships on plasma lipoproteins and lipids in men, women and children of randomly selected families. Connor SL, et al. **Circulation** 1982 Jun;65(7):1290–8

Using children's books to foster acceptance of a new sibling into a one-child family. Grossman CS. **Clin Pediatr (Phila)** 1982 Aug;21(8):502

Women physicians in Connecticut: a survey. Callan CM, et al. **Conn Med** 1981 Aug;45(8):494–6

A woman psychiatrist's view of the challenges of professional and family responsibilities. Solomon RZ. **Conn Med** 1981 Aug;45(8):487–90

Infantile autism: patients and their families. DEMyer MK. **Curr Probl Pediatr** 1982 Feb;12(4):1–52

Fission in the nuclear family. Lipman A. **Del Med J** 1981 Nov;53(11):573–6

The family formation process among U.S. marriage cohorts. Tsui AO. **Demography** 1982 Feb;19(1):1–27

Young women's transition to marriage. Waite LJ, et al. **Demography** 1981 Nov;18(4):681–94

The aesthetic preference: overcoming the pragmatic error. Allman LR. **Fam Process** 1982 Mar;21(1):43–56

Lingering terminal illness and family: insights from literature. Bertman SL. **Fam Process** 1980 Dec;19(4):341–8

A methodological study of a measure of family cohesion. Bilbro TL, et al. **Fam Process** 1981 Dec;20(4):419–27

Families and adolescent drug abuse: structural analysis of children's roles. Cleveland M. **Fam Process** 1981 Sep; 20(3):295–304

Paradoxes, double binds, and reflexive loops: an alternative theoretical perspective. Cronen VE, et al. **Fam Process** 1982 Mar;21(1):91–112

Researching the family theories of schizophrenia: an exercise in epistemological confusion. Dell PF. **Fam Process** 1980 Dec;19(4):321–35

Beyond homeostasis: toward a concept of coherence. Dell PF. **Fam Process** 1982 Mar;21(1):21–41

Some conceptual distinctions are more useful than others. de Shazer S. **Fam Process** 1982 Mar;21(1):71–84

Sibling set configuration and family dysfunction. Fishbein HD. **Fam Process** 1981 Sep;20(3):311–8

Research note: clinical description using the 'Family Interaction Summary Format'. Kinston W. **Fam Process** 1981 Dec;20(4):429

A theory-based empirical classification of family problem-solving behavior. Oliveri ME, et al. **Fam Process** 1981 Dec;20(4):409–18

Creativity, pathology, and family structure: a cybernetic metaphor. Schwartzman J. **Fam Process** 1982 Mar; 21(1):113–27

Changes in family structure after a renal transplant. Velasco De Parra ML. **Fam Process** 1982 Jun;21(2):195–202

A structural approach to the single-parent family. Weltner JS. **Fam Process** 1982 Jun;21(2):203–10

A single intervention: a visit to the family. Zwerling I. **Fam Process** 1980 Dec;19(4):349–53

Family formation strategies of Kioss's gibbons. Tilson RL. **Folia Primatol (Basel)** 1981;35(4):259–87

Impact of cancer on the family. Spinetta JJ. **Front Radiat Ther Oncol** 1981;16:167–76

The family in consultation—liaison psychiatry. Lipsitt DR, et al. **Gen Hosp Psychiatry** 1981 Sep;3(3):231–6

'Women in the middle' and family help to older people. Brody EM. **Gerontologist** 1981 Oct;21(5):471–80

Childless elderly and their family supports. Johnson CL, et al. **Gerontologist** 1981 Dec;21(6):610–8

Situational influences on the morale of older rural adults in child-shared housing: a comparative analysis. Kivett VR, et al. **Gerontologist** 1982 Feb;22(1):100–6

Grandparenthood: an overview of meaning and mental health. Kivnick HQ. **Gerontologist** 1982 Feb;22(1):59–66

Impact of institutional care policies on family integration. Montgomery RJ. **Gerontologist** 1982 Feb;22(1):54–8

The legal rights of grandparents: a preliminary discussion. Wilson KB, et al. **Gerontologist** 1982 Feb;22(1):67–71

The effectiveness of education for family management of asthma in children: a preliminary report. Clark NM, et al. **Health Educ Q** 1981 Summer;8(2):166–74

A family-centered program of neonatal intensive care. Siegel R. **Health Soc Work** 1982 Feb;7(1):50–8

Rehabilitation of patients after acute myocardial infarction–an interdisciplinary, family-oriented program. Segev U, et al. **Heart Lung** 1981 Sep–Oct;10(5):841–7

Rehabilitation of patients after acute myocardial infarction [letter] Winslow EH. **Heart Lung** 1982 Mar–Apr;11(2):190

Mental illness and family burden: a public health perspective. Goldman HH. **Hosp Community Psychiatry** 1982 Jul; 33(7):557–60

Families as advocates for the mentally ill: a growing movement. Hatfield AB. **Hosp Community Psychiatry** 1981 Sep;32(9):641–2

A model for training schizophrenics and families to communicate more effectively. Miller TW. **Hosp Community Psychiatry** 1981 Dec;32(12):870–1

Financial exploitation of schizophrenic patients by their families. Roy-Byrne P, et al. **Hosp Community Psychiatry** 1982 Jul;33(7):576–7

Kinship dependence and contraceptive use among Navajo women. Kunitz SJ, et al. **Hum Biol** 1981 Sep;53(3):439–52

Genetics of insulin dependent diabetes mellitus in Israel: population and family study. Brautbar C, et al. **Hum Immunol** 1981 Aug;3(1):1–12

HLA family studies and multiple sclerosis: A common gene, dominantly expressed. Stewart GJ, et al. **Hum Immunol** 1981 Aug;3(1):13–29

Serum IgE levels in children with wheezy bronchitis and their first degree relations. Saha K, et al. **Indian J Med Res** 1981 Jul;74:63–70

Teaching of integrated maternal and child health & family welfare. Desai AB. **Indian Pediatr** 1981 Jul;18(7):435–41

Disruption of family unity from an adverse reaction to tetracycline. Nottebart HC Jr. **Infect Control** 1981 Sep–Oct; 2(5):391–2

The addict's family of origin: an empirical survey analysis. Ben-Yehuda N, et al. **Int J Addict** 1981 Apr;16(3):505–25

Alcoholics in the family? Fitzgerald JL, et al. **Int J Addict** 1981 Feb;16(2):349–57

Family structures of narcotic addicts. Kaufman E. **Int J Addict** 1981 Feb;16(2):273–82

Family environment as a predictor of alcoholism treatment outcome. Reynolds FD, et al. **Int J Addict** 1982 Apr; 17(3):505–12

Community care and the elderly in Great Britain: theory and practice. Walker A. **Int J Health Serv** 1981; 11(4):541–57

Incest and family dynamics: a clinical study. Canepa G, et al. **Int J Law Psychiatry** 1980;3(4):453–60

Family disorganization and problem drinking in a rural population. Carman RS. **Int J Soc Psychiatry** 1981 Winter; 27(4):253–6

Hospice—family care for cancer patients. Lyons RA. **Ir Med J** 1981 Sep;74(9):271–2

Family relationships of the mastectomy patient: interactions with the spouse and children. Wellisch DK. **Isr J Med Sci** 1981 Sep–Oct;17(9–10):993–6

Separation and stress in the military family in Israel. Rozenzweig M, et al. **Isr J Psychiatr Relat Sci** 1981; 18(2):87–98

Aggressive behavior in normal and deviant members of intact versus mother-only families. Horne AM. **J Abnorm Child Psychol** 1981 Jun;9(2):283–90

Dimensions of the family environment in adolescence. Tyerman A, et al. **J Adolesc** 1981 Dec;4(4):353–61

Assessment of family stress. Green CP. **J Adv Nurs** 1982 Jan;7(1):11–7

Cognitive assessment of siblings of autistic children. Minton J, et al. **J Am Acad Child Psychiatry** 1982 May;21(3):256–61

The Puerto Rican family: cultural factors and family intervention strategies. Bird HR, et al. **J Am Acad Psychoanal** 1982 Apr;10(2):257–68

A collegiate group for the sons and daughters of alcoholics. Donovan BE. **J Am Coll Health Assoc** 1981 Oct;30(2):83–6

Importance of family assessments in the evaluation of psychiatric problems of college students. Knauth EC. **J Am Coll Health Assoc** 1981 Dec;30(3):131–3

Obesity—impact of the family. Hertzler AA. **J Am Diet Assoc** 1981 Nov;79(5):525–30 (48 ref.)

Incest and omnipotence in the internal family. Samuels A. **J Anal Psychol** 1980 Jan;25(1):37–57

Motivations for childbearing among Malaysians. Kee PK. **J Biosoc Sci** 1982 Apr;14(2):157–66

Sibling and family environment correlates of children's achievement: ethnic group differences. Marjoribanks K. **J Biosoc Sci** 1982 Jan;14(1):99–107

Is longevity inherited? Glasser M. **J Chronic Dis** 1981; 34(9–10):439–44

The utility of a measure of aggression in differentiating abusing parents from other parents who are experiencing familial disturbance. Plotkin RC, et al. **J Clin Psychol** 1982 Jul;38(3):607–10

The income effect of a disabled child. Piachaud D, et al. **J Epidemiol Community Health** 1981 Jun;35(2):123–7

Family illness rituals. Glenn ML. **J Fam Pract** 1982 May; 14(5):950, 952, 954

Family Practice Grand Rounds. Care of a troubled family and their child with sickle cell anemia. Graham AV, et al. **J Fam Pract** 1982 Jul;15(1):23–32

Assessment and treatment of family violence. Kirkland K. **J Fam Pract** 1982 Apr;14(4):713–8

Carcinoma of the bladder [clinical conference] Merkel WT, et al. **J Fam Pract** 1982 Sep;15(3):415–22

Managing families of the demented elderly. Reifler BV, et al. **J Fam Pract** 1982 Jun;14(6):1051–6

Recurrent childhood poisoning as a family problem. Rogers J. **J Fam Pract** 1981 Sep;13(3):337–40

The family in family medicine [editorial] Smilkstein G. **J Fam Pract** 1982 Feb;14(2):221–3

Validity and reliability of the family APGAR as a test of family function. Smilkstein G, et al. **J Fam Pract** 1982 Aug; 15(2):303–11

Intrapsychic isolation in the elderly. Berezin MA. **J Geriatr Psychiatry** 1980;13(1):5–18

Isolation in the aged: individual dynamics, community and family involvement. Dibner AS. **J Geriatr Psychiatry** 1980; 13(1):3–4

Satisfaction in multigenerational households. Mindel CH, et al. **J Gerontol** 1982 Jul;37(4):483–9

Family roles and sex differences in depression. Aneshensel CS, et al. **J Health Soc Behav** 1981 Dec;22(4):379–93

Death and its effects on the family household: implications thereof within a Japanese pioneer agricultural community in the eastern lowlands of Bolivia. Kashiwazaki H, et al. **J Hum Ergol (Tokyo)** 1980 Sep;9(1):3–13

Catecholamine and cortisol excretion patterns in three-year-old children and their parents. Lundberg U, et al. **J Human Stress** 1981 Sep;7(3):3–11

Helping the family of the elderly patient. Bowdish J. **J Iowa Med Soc** 1981 Nov;71(11):488–9, 492

Evaluation of medical student training in family assessment. Leahey M, et al. **J Med Educ** 1982 Mar;57(3):197–9

Brain injury and the family. Mauss-Clum N, et al. **J Neurosurg Nurs** 1981 Aug;13(4):165–9

Family relationships in anorexia nervosa [letter] Monroe B. **J Pediatr** 1981 Nov;99(5):830–1

Family coping with childhood leukemia: one year after diagnosis. Kupst MJ, et al. **J Pediatr Psychol** 1982 Jun; 7(2):157–74

The contemporary American family: romanticism vs reality. Kjervik DK. **J Psychosoc Nurs Ment Health Serv** 1982 Mar;20(3):9–12

Familism, machismo and child rearing practices among Mexican Americans. Tamez EG. **J Psychosoc Nurs Ment Health Serv** 1981 Sep;19(9):21–5

The use of family therapy in terminal illness and death. Tousley MM. **J Psychosoc Nurs Ment Health Serv** 1982 Jan;20(1):17–22

Why not file in family folders? Aylett MJ. **J R Coll Gen Pract** 1981 Aug;31(229):500

The doctor's family: some problems and solutions. Gray JP. **J R Coll Gen Pract** 1982 Feb;32(235):75–9

Affectional climate in the family of origin and the experience of subsequent sexual-affectional behaviors. Wallace DH. **J Sex Marital Ther** 1981 Winter;7(4):296–306

Family involvement and alcoholics' completion of a multiphase treatment program. Berger A. **J Stud Alcohol** 1981 May;42(5):517–20

Communication styles of alcoholic and nonalcoholic families when drinking and not drinking. Jacob T, et al. **J Stud Alcohol** 1981 May;42(5):466–82

Physician utilization and illness patterns in families of alcoholics. Roberts KS, et al. **J Stud Alcohol** 1982 Jan; 43(1):119–28

The impact of alcoholism on the family. Relationship between degree of alcoholism and psychiatric symptomatology. Steinglass P. **J Stud Alcohol** 1981 Mar; 42(3):288–303

The impact of dementia on the family. Rabins PV, et al. **JAMA** 1982 Jul 16;248(3):333–5

Preparing a child for a good-bye visit to a dying loved one. Rubenstein JS. **JAMA** 1982 May 14;247(18):2571–2

The family with a handicapped child: a review of the literature. Murphy MA. **JDBP** 1982 Jun;3(2):73–82 (52 ref.)

Assessing families with a developmentally delayed/handicapped child. Selig AL, et al. **JDBP** 1981 Dec;2(4):151–4

Childbearing and the concept of culture. Griffith S. **JOGN Nurs** 1982 May-Jun;11(3):181–4

Psychosocial work of a secundigravida in relation to acceptance of her baby. Ulrich SC. **Matern Child Nurs J** 1982 Spring;11(1):1–9

Addiction and Maryland's medical families. Griswold D. **Md State Med J** 1982 Jun;31(6):30–1

Mobilizing supports for the elderly patient. Ruben HL. **Med Times** 1981 Sep;109(9):15s–16s, 18s, 22s–23s

Helping families cope when a child has cancer. Taylor G. **Med Times** 1981 Sep;109(9):24s–27s

Parent–offspring and sibling lipid and lipoprotein associations during and after sharing of household environments: the Princeton school district family study. Morrison JA, et al. **Metabolism** 1982 Feb;31(2):158–66

Parental response to family centered maternity care and to the implementation of sibling visits. Renaud MT. **Milit Med** 1981 Dec;146(12):850–2

From family to peer: transitions of influence among drug-using youth. Glynn TJ. **Natl Inst Drug Abuse Res Monogr Ser** 1980;38:57–81 (94 ref.)

Adolescent marijuana abusers and their families. Hendin H, et al. **Natl Inst Drug Abuse Res Monogr Ser** 1981 Sep; (40):1–109

Illness onset and levels of health care provided: a study of 213 families. Taylor RB, et al. **NC Med J** 1981 Aug; 42(8):548–50

Assessing family functioning across three areas of relationships. Roberts CS, et al. **Nurs Res** 1982 Jul–Aug; 31(4):231–5

Family health counselling: an education programme for counsellors. Dodge JS, et al. **NZ Med J** 1981 Oct 28; 94(694):310–2

Family history, cigarette smoking and other risk factors in patients with myocardial infarction. Woodhouse SP, et al. **NZ Med J** 1981 Dec 23;94(698):443–7

Shift work: worth the risks? Tabor M. **Occup Health Saf** 1982 Apr;51(4):42–8

American Academy of Pediatrics. Committee on Psychosocial Aspects of Child and Family Health. Pediatrics and the psychosocial aspects of child and family health. **Pediatrics** 1982 Jul;70(1):126–7

Genograms: a guide to understanding one's own family system. Starkey PJ. **Perspect Psychiatr Care** 1981 Sep–Dec; 19(5–6):164–73

Bowen's family systems theory as exemplified in Bergman's 'Scenes from a Marriage'. Weinstein RK. **Perspect Psychiatr Care** 1981 Sep–Dec;19(5–6):156–63

Human kin recognition by olfactory cues. Porter RH, et al. **Physiol Behav** 1981 Sep;27(3):493–5

Stroke: a problem for patient and family. Mulhall DJ. **Physiotherapy** 1981 Jul;67(7):195–7

Familial perceptions of juvenile diabetes. Kronenfeld JJ, et al. **Postgrad Med** 1981 Oct;70(4):83–95

Family violence: aids to recognition. Viken RM. **Postgrad Med** 1982 May;71(5):115–22

Dementia: positive steps to help maintain function. Walker JI. **Postgrad Med** 1982 Jul;72(1):167

Ill children have family crises too. Kraemer S. **Practitioner** 1982 Apr;226(1366):720–3

Blood pressure determinants in progeny of parents taking or not taking antihypertensive drugs. Khoury P, et al. **Prev Med** 1981 Sep;10(5):603–13

Grandparental influences in the expression of dermatoglyphics patterns on the fingertips. Bener A. **Prog Clin Biol Res** 1982;84:145–56

Parental influences on fingerdermatoglyphics. de Wilde AG, et al. **Prog Clin Biol Res** 1982;84:93–104

Recent separation and the onset of peptic ulcer disease in older children and adolescents. Ackerman SH, et al. **Psychosom Med** 1981 Aug;43(4):305–10

Serum gastrin and the family environment in duodenal ulcer disease. Wolcott DL, et al. **Psychosom Med** 1981 Dec; 43(6):501–7

Family issues in the pathogenesis of anorexia nervosa. Yager J. **Psychosom Med** 1982 Mar;44(1):43–60

Psychodynamics and therapeutic aspects of anorexia nervosa. A study of family dynamics and prognosis. Becker H, et al. **Psychother Psychosom** 1981;36(1):8–16

Marital and family issues in patients with chronic pain. A review. Roy R. **Psychother Psychosom** 1982;37(1):1–12

Developmental morbidity in infants in multi-risk-factor families: clinical perspectives. Greenspan SI. **Public Health Rep** 1982 Jan-Feb;97(1):16–23

The influence of life conditions on the health status of the family. Sokolov VD. **Sante Publique (Bucur)** 1981; 24(1):19–26

Ill-health in families of infants with low rate of weight gain. Kristiansson B. **Scand J Soc Med** 1981;9(1):33–9

Family factors in schizophrenic relapse: a replication. Vaughn CE, et al. **Schizophr Bull** 1982;8(2):425–6

The effect of social selection due to familial mental retardation on the marriage frequency of normal individuals. Yokoyama S, et al. **Soc Biol** 1980 Fall; 27(3):194–8

Biological function, activity and dependency among elderly Sherpa in the Nepal Himalayas. Beall CM, et al. **Soc Sci Med** 1982;16(2):135–40

Class, familism and utilization of health services in Durango, Mexico: a replication. Heller PL, et al. **Soc Sci Med [a]** 1981 Sep;15(5):539–41

Birth placement and childhood disadvantage. Fergusson DM, et al. **Soc Sci Med [E]** 1981 Nov;15(4):315–26

Anorexia nervosa: a multidisciplinary treatment program for patient and family. Hedblom JE, et al. **Soc Work Health Care** 1981 Fall;7(1):67–86

Home parenteral nutrition: the 'costs' of patient and family participation. Johnston JE. **Soc Work Health Care** 1981 Winter;7(2):49–66

Management of perinatal death: role of the social worker in the newborn ICU. Mahan CK, et al. **Soc Work Health Care** 1981 Spring;6(3):69–76

Social structure and social behavior in an intensive care unit: patient–family perspectives. A physician's response. Scheidt S. **Soc Work Health Care** 1980 Winter;6(2):15–7

Social structure and social behaviour in an intensive care unit: patient–family perspectives. Speedling EJ. **Soc Work Health Care** 1980 Winter;6(2):1–15

Social structure and social behavior in an intensive care unit: patient–family perspectives. A social worker's response. Ullmann A. **Soc Work Health Care** 1980 Winter;6(2):18–22

Reactions of families to the death of a child with congenital heart disease. Henry GW, et al. **South Med J** 1982 Aug; 75(8):988–94

The depressed adolescent and the family. Lewis JM. **Tex Med** 1981 Dec;77(12):40–3

Histocompatibility determinants in Israeli Jewish patients with coeliac disease: population and family study. Brautbar C, et al. **Tissue Antigens** 1981 Mar;17(3):313–22

[Biology of the family] Presl J. **Cesk Gynekol** 1982 Mar; 47(2):152–5 **(Cze)**

[The chronically ill child and his family] Dunovský J. **Cesk Pediatr** 1981 Nov;36(11):668–71 (Eng. Abstr.) **(Cze)**

[Long-term study of newborn infants at risk and a control group. Social conditions in the families of the children at 12 months of age] Kahuda F, et al. **Cesk Pediatr** 1982 Jun; 37(6):340–4 (Eng. Abstr.) **(Cze)**

[The family constellation and anorexia nervosa] Spitz J. **Cesk Pediatr** 1981 Nov;36(11):664–5 **(Cze)**

[Health status and problems of living conditions in old age] Zaremba V. **Cesk Zdrav** 1981 Nov;29(11):452–8 (Eng. Abstr.) **(Cze)**

[Evaluation of family health] Nováková H. **Sb Ved Pr Lek Fak Univ Karlovy [Suppl]** 1981;24(3):365–71 (Eng. Abstr.) **(Cze)**

[Should a patient with hemoblastosis and his family be informed of the diagnosis of this disease?] Donner L. **Vnitr Lek** 1982 Mar;28(3):283–9 (Eng. Abstr.) **(Cze)**

[The family and the long-term patient cared for at home] Bakker-Lenderink A. **Ned Tijdschr Geneeskd** 1981 Oct 10; 125(41):1686–8 **(Dut)**

[Rehabilitation, a question of equilibrating the capacity of many for stress] Verkuyl A. **Ned Tijdschr Geneeskd** 1981 Oct 10;125(41):1681–3 **(Dut)**

[The wife of the alcoholic sailor. An attempt at an ethno-socio-psychiatric understanding of alcoholism in a Bretor marine environment] Bourg M, et al. **Ann Med Psychol (Paris)** 1981 Nov;139(9):1014–23 **(Fre)**

[Placing a child in the relational management of the family: apropos of 3 cases] Libert M. **Ann Med Psychol (Paris)** 1981 Sep–Oct;139(8):912–5 **(Fre)**

[Biological transmissibility--psychological transmissibility. Genetics and filiation. Propositions for a common research] Guyotat J, et al. **J Genet Hum** 1981 Dec;29(5 Suppl):499–504 **(Fre)**

[What should be said to a depressed patient's family? (author's transl)] Lempérière T, et al. **Sem Hop Paris** 1982 Mar 25; 58(12):735–8 **(Fre)**

[Ecology of childhood. Thoughts on the modern understanding of the role of the child and the family (editorial)] Lüscher K. **Acta Paedopsychiatr (Basel)** 1981 Jun;47(2):67–9 **(Ger)**

[How families deal with demented relatives--provisional results of an ongoing study (author's transl)] Eruder J, et al. **Aktule Gerontol** 1981 Sep;11(5):156–8 (Eng. Abstr.) **(Ger)**

[Problems of qualitative interviewing in the analysis of interactions in multi-generation-families (author's transl)] Kleynmans-Lehrenkrauss U. **Aktule Gerontol** 1981 Sep; 11(5):159–63 (Eng. Abstr.) **(Ger)**

[Family care for the aged in multigenerational households (author's transl)] Klusmann D, et al. **Aktule Gerontol** 1981 Sep;11(5):152–5 (Eng. Abstr.) **(Ger)**

[Disturbances in family relations and suicide attempts in childhood and adolescence (author's transl)] Herzer R, et al. **Arztl Jugendkd** 1981;72(5):298–303 (Eng. Abstr.) **(Ger)**

[Professional secrecy against family members of the patient] Hollmann A. **Dtsch Med Wochenschr** 1982 Feb 5;107(5):192 **(Ger)**

[Chronically ill adults in the family] Angermeyer MC. **Fortschr Med** 1981 Sep 3;99(33):1271–3 **(Ger)**

[The family and schizophrenia. An interactional study] Angermeyer MC. **Fortschr Med** 1982 Feb 25;100(8):322–6 (Eng. Abstr.) **(Ger)**

[The chronically ill child and his family] Dunovský J. **Padiatr Grenzgeb** 1982;21(1):69–75 (Eng. Abstr.) **(Ger)**

[The relations between family, patient and clinic in inpatient psychiatric treatment and psychotherapy (author's transl)] Leyer E, et al. **Psychiatr Prax** 1980 May;7(2):65–71 (49 ref.) (Eng. Abstr.) **(Ger)**

[Care of chronically ill geriatric patients by the participation of family members] Stähelin HB. **Soz Praventivmed** 1981 May;26(1–2):63–6 (Eng. Abstr.) **(Ger)**

[Married students in the light of socio-political measures in East Germany--student marriage, student family 1964–1977] Köpcke K, et al. **Z Gesamte Hyg** 1981 Jul 7; 27(7):527–30 (Eng. Abstr.) **(Ger)**

[Age and family-the family in the age (author's transl)] Runge I. **ZFA (Dresden)** 1982 Jan-Feb;37(1):27–33 (Eng. Abstr.)

(Ger)
[Socialization problems within the family causing neurotic disorders] Magyar E. **Orv Hetil** 1981 Nov 1; 122(44):2709–12 (Hun)
[The nuclear family and social protection of children] Paoletti G, et al. **Minerva Med** 1981 Sep 26;72(36):2423–30 (Eng. Abstr.) (Ita)
[Hygienic studies on residential mode in some public apartment houses (report 4). Living situations in joint apartment houses for an elderly and a young family (author's transl)] Kikuzawa Y, et al. **Nippon Eiseigaku Zasshi** 1981 Aug;36(3):577–83 (Eng. Abstr.) (Jpn)
[Value of palliative treatment of patients with genital neoplasms in the opinion of closest family members] Ulman J, et al. **Wiad Lek** 1981 Jun 1;34(11):933–6 (Eng. Abstr.) (Pol)
[Conjugal conflicts. Medico-legal aspects] Scripcaru G, et al. **Rev Med Chir Soc Med Nat Iasi** 1981 Apr–Jun; 85(2):283–8 (Rum)
[Correlation of ancestors' longevity with anthropological indicators for children during the first year of life] Tabatadze LV, et al. **Pediatriia** 1982 Feb;(2):28–30 (Eng. Abstr.) (Rus)
[Social and hygienic aspects of family health protection] Grinina OV. **Sov Zdravookhr** 1981;(12):5–9 (Rus)
[Relation between family composition and complex evaluation of the needs of late middle-aged and elderly persons for outside help] Neganova SA. **Vestn Akad Med Nauk SSSR** 1981;(6):12–4 (Eng. Abstr.) (Rus)
[Influence of the parents' family on the formation of stereotypic sex behavior in syphilis patients] Vasil'ev TV, et al. **Vestn Dermatol Venerol** 1981 May;(5):26–30 (Eng. Abstr.) (Rus)
[Down's syndrome as a psychological and social problem for the family] Cernay J, et al. **Cesk Pediatr** 1981 Sep; 36(9):541–4 (Eng. Abstr.) (Slo)
[Attitude of the family toward the hospitalized psychiatric patient: factors which can condition it] Oca Pisón A. **Actas Luso Esp Neurol Psiquiatr** 1981 Jul–Aug;9(4):303–14 (Eng. Abstr.) (Spa)
[Psychological consultation of families with hemophiliac children] D'Agnese de González Victorica MI, et al. **Medicina (B Aires)** 1981;41 Suppl:278–81 (Spa)
[Patient and family attitudes in hemophilia and leukemia] Fisman N, et al. **Medicina (B Aires)** 1981;41 Suppl:282–6 (Eng. Abstr.) (Spa)

FAMILY CHARACTERISTICS

Utilization of family characteristics in nutritional classification of preschool children. Arnold JC, et al. **Am J Clin Nutr** 1981 Nov;34(11):2546–50
The East Baltimore study. II. Familial aggregation of plasma lipid levels in juveniles in a black inner-city population. Van Natta PA, et al. **Am J Epidemiol** 1981 Sep; 114(3):385–97
Family Hierarchies. Robbins M, et al. **Am J Nurs** 1982 Feb; 82(2):284–6
Parent-adult offspring correlations and heritability of body measurements in a rural Indian population. Kaur DP, et al. **Ann Hum Biol** 1981 Jul–Aug;8(4):333–9
New methods for the analysis of sex ratio data independent of the effects of family limitation. Pickles AR, et al. **Ann Hum Genet** 1982 Jan 1;46(Pt 1):75–81
Further remarks on estimating genetic correlations. Smith CA. **Ann Hum Genet** 1980 Jul;44(Pt 1):95–105
Some familial and clinical characteristics of female suicidal psychiatric patients. Birtchnell J. **Br J Psychiatry** 1981 May;138:381–90
Family size and the quality of children. Blake J. **Demography** 1981 Nov;18(4):421–42
Income and fertility: the elusive relationship. Freedman DS, et al. **Demography** 1982 Feb;19(1):65–78
Social structure and U.S. inter-state fertility differentials in 1900. Guest AM. **Demography** 1981 Nov;18(4):465–86
Antecedents to contraceptive innovation: evidence from rural Northern Thailand. Hogan DP, et al. **Demography** 1981 Nov;18(4):597–614
Religion, socialization, and fertility. Janssen SG, et al. **Demography** 1981 Nov;18(4):511–28
Community availability of contraceptives and family limitation. Tsui AO, et al. **Demography** 1981 Nov; 18(4):615–25
Family size composition differentials between central city-suburb and metropolitan-nonmetropolitan migration streams. White RB. **Demography** 1982 Feb;19(1):29–36
Family structure of the Egyptian asthmatics. Shaheen O, et al. **Egypt J Psychiatry** 1978 Dec;1(1):79–98
Birth control-sex preference and sex ratio. Toro MA. **Heredity (Edinburgh)** 1981 Dec;47(Pt 3):417–23
Family size, birth order and hypnotizability: a brief communication. Query WT. **Int J Clin Exp Hypn** 1981 Apr;29(2):107–9
Death loss, fetal wastage and completed family size. Ballweg JA. **J Biosoc Sci** 1982 Jul;14(3):309–18
Voluntary childlessness and contraception: problems and practices. Baum F. **J Biosoc Sci** 1982 Jan;14(1):17–23
Fertility control and the voluntarily childless: an exploratory study. Carlisle E. **J Biosoc Sci** 1982 Apr;14(2):203–12
Ideal family size in Northern Ireland. Coward J. **J Biosoc Sci** 1981 Oct;13(4):443–54
Implicit sex preferences: a comparative study. Goody JR, et al. **J Biosoc Sci** 1981 Oct;13(4):455–66
The single parent family. Anstett RE, et al. **J Fam Pract** 1982 Mar;14(3):581–6
Satisfaction in multigenerational households. Mindel CH, et al. **J Gerontol** 1982 Jul;37(4):483–9
Transgeneration analyses of the human sex ratio: the influence of combinations and permutations of sexes of children on family size. Gray E. **J Hered** 1982 Mar–Apr; 73(2):123–7
The genogram: a structured approach to the family history. Milhorn HT Jr. **J Miss State Med Assoc** 1981 Oct; 22(10):250–2
Family constellation factors and parent suicide potential. Wenz FV. **J Nerv Ment Dis** 1982 May;170(5):270–4
Incest victims and offenders: myths and realities. de Young M. **J Psychosoc Nurs Ment Health Serv** 1981 Oct; 19(10):37–9
Effect of family structure on the dental caries experience of children. Primosch RE. **J Public Health Dent** 1982 Spring;42(2):155–68
Family size and evolution of Rh polymorphism. Yokoyama S. **J Theor Biol** 1981 Sep 21;92(2):119–25
Family size, ordinal position, socio-economic status and child development: a report from the Dunedin Multidisciplinary Child Development Study. Silva PA, et al. **NZ Med J** 1982 Jun 9;95(709):371–3
Effects of fertility and mortality on extinction of family and number of living children. Krishnamoorthy S. **Soc Biol** 1980 Spring;27(1):62–9
Longevity: some familial correlates. Philippe P. **Soc Biol** 1980 Fall;27(3):211–9
The effect of variable progeny size and social selection on the population dynamics of rare lethal genes. Yokoyama S. **Soc Biol** 1980 Spring;27(1):70–7
China and the one-child family. A survey of one-child families in Anhui Province, China. **Stud Fam Plann** 1982 Jun–Jul;13(6–7):216–21
Sources of family size attitudes and family planning knowledge among rural Turkish youth. Carpenter-Yaman CE. **Stud Fam Plann** 1982 May;13(5):149–58
China and the one-child family. The one-child family in the United States: research issues and results. Falbo T. **Stud Fam Plann** 1982 Jun–Jul;13(6–7):212–5
Atopy and wheeze in children according to parental atopy and family size. Davis JB, et al. **Thorax** 1981 Mar; 36(3):185–9
Consent and privacy in the National Survey of Family Growth: a report on the pilot study for cycle III. Tanfer K, et al. **Vital Health Stat [2]** 1982 Mar;2(91):1–47
[An attempt at establishing essential factors with an effect on family size by means of a variant statistical procedure] Güldner K. **Z Gesamte Hyg** 1981 Jul 7;27(7):525–7 (Eng. Abstr.) (Ger)
[The socialization of neurotic patients. A description of familial socialization of patients from 2 ambulatory care facilities] Lieberz K. **Z Psychosom Med Psychoanal** 1982; 28(1):14–29 (Eng. Abstr.) (Ger)
[Family status and the educational level of urban and rural inhabitants with gonorrhea] Chuchelin GN, et al. **Vestn Dermatol Venerol** 1981 Aug;(8):38–42 (Eng. Abstr.) (Rus)

FAMILY HEALTH see under **FAMILY**

FAMILY PLANNING

see related
CONTRACEPTION

Breast-feeding and family planning: a review of the relationships between breast-feeding and family planning. Brown RE. **Am J Clin Nutr** 1982 Jan;35(1):162–71 (74 ref.)
Natural family planning methods [letter] Billings JJ. **Am J Obstet Gynecol** 1982 May 1;143(1):114–5
A randomized prospective study of the use-effectiveness of two methods of natural family planning. Wade ME, et al. **Am J Obstet Gynecol** 1981 Oct 15;141(4):368–76
Never-pregnant adolescents and family planning programs: contraception, continuation, and pregnancy risk. Freeman EW, et al. **Am J Public Health** 1982 Aug;72(8):815–22
A thirty-month clinical experience in natural family planning. Kambic R, et al. **Am J Public Health** 1981 Nov; 71(11):1255–8
Five years' experience of a 'prepregnancy' clinic for insulin-dependent diabetics. Steel JM, et al. **Br Med J [Clin Res]** 1982 Jul 31;285(6338):353–6
Factors associated with family planning acceptance in Bangkok metropolis health clinic areas (MHCs). Chumnijarakij T, et al. **Contraception** 1981 May; 23(5):517–25
A note on measuring the independent impact of family planning programs on fertility declines. Hernandez DJ. **Demography** 1981 Nov;18(4):627–34
Contraceptives and the female undergraduates in Ibadan, Nigeria. Adeleye JA. **East Afr Med J** 1981 Aug; 58(8):616–21
Contraceptive use, pregnancy intentions and pregnancy outcomes among U.S. women. Dryfoos JG. **Fam Plann Perspect** 1982 Mar–Apr;14(2):81–94
Computerized patient-flow analysis of local family planning clinics. Graves JL, et al. **Fam Plann Perspect** 1981 Jul–Aug; 13(4):164–70
Family planning practices among Anglo and Hispanic women in U.S. counties bordering Mexico. Rochat RW, et al. **Fam Plann Perspect** 1981 Jul–Aug;13(4):176–80
Why they delay: a study of teenage family planning clinic patients. Zabin LS, et al. **Fam Plann Perspect** 1981 Sep–Oct; 13(5):205–7, 211–7
A prospective multicentre trial of the ovulation method of natural family planning. II. The effectiveness phase. **Fertil Steril** 1981 Nov;36(5):591–8
A Young People's Advisory Service. Harrison N, et al. **Health Bull (Edinb)** 1982 May;40(3):133–9
Birth control-sex preference and sex ratio. Toro MA. **Heredity (Edinburgh)** 1981 Dec;47(Pt 3):417–23
A people's movement for health and family planning. Gandhi I. **Indian J Pediatr** 1981 Jul–Aug;48(393):389–94
Family welfare and child health: a reappraisal of community based postpartum programme. Kumari S, et al. **Indian Pediatr** 1981 Sep;18(9):619–23
An analysis of continuity-discontinuity in natural family planning: an Australian factor analysis. Johnston JA. **Int J Fertil** 1981;26(3):231–8
The sympto-thermal methods. Parenteau-Carreau S. **Int J Fertil** 1981;26(3):170–81
Natural family planning: postpartum period. Pérez A. **Int J Fertil** 1981;26(3):219–21
Effectiveness of the sympto-thermal method of natural family planning: an international study. Rice FJ, et al. **Int J Fertil** 1981;26(3):222–30
Response of unmarried adolescents to contraceptive advice and service in Nigeria. Ezimokhai M, et al. **Int J Gynaecol Obstet** 1981 Dec;19(6):481–5
The complexities of health education in leprosy. Dharmalingam T, et al. **Int J Health Educ** 1982; 24(3):176–82
Taking liberties with women: abortion, sterilization, and contraception. Savage W. **Int J Health Serv** 1982; 12(2):293–308
Birth planning in Cuba: a basic human right. Swanson JM. **Int J Nurs Stud** 1981;18(2):81–8
The effectiveness of contraceptive programs for teenagers. Namerow PB, et al. **J Adolesc Health Care** 1982 Mar; 2(3):189–98 (54 ref.)
The sexually liberated college student—fact or fancy. Murphy P, et al. **J Am Coll Health Assoc** 1981 Oct; 30(2):87–9
Voluntary childlessness and contraception: problems and practices. Baum F. **J Biosoc Sci** 1982 Jan;14(1):17–23
Changing profile of IUD users in family planning clinics in rural Bangladesh. Bhatia S, et al. **J Biosoc Sci** 1981 Apr; 13(2):169–77
Fertility control and the voluntarily childless: an exploratory study. Carlisle E. **J Biosoc Sci** 1982 Apr;14(2):203–12
Ideal family size in Northern Ireland. Coward J. **J Biosoc Sci** 1981 Oct;13(4):443–54
Perception of methods of contraception: a semantic differential study. Kee PK, et al. **J Biosoc Sci** 1981 Apr; 13(2):209–18
Characteristics and attitudes of family planners in Khartoum, Sudan. Khalifa MA. **J Biosoc Sci** 1982 Jan;14(1):7–16
An evaluation of the use-effectiveness of fertility awareness methods of family planning. Weeks JR. **J Biosoc Sci** 1982 Jan;14(1):25–32
Unplanned pregnancies in a midwestern community. Hilliard D, et al. **J Fam Pract** 1982 Aug;15(2):259–63
Prenatal diagnosis and genetic counseling in 21 trisomy: its impact on family planning. Evers-Kiebooms G, et al. **J Genet Hum** 1981 Feb;28(5):147–59
Provision of rubella immunization in general practitioner family planning services. Black NA. **J R Coll Gen Pract** 1981 Oct;31(231):593–5
Social and affective factors associated with adolescent pregnancy. Smith PB, et al. **J Sch Health** 1982 Feb; 52(2):90–3
Contraceptive patterns of college students who experienced early coitus. Vincent ML, et al. **J Sch Health** 1981 Dec; 51(10):667–72
Integrated family planning activities in maternal and child health centres in Cap Bon, Tunisia. I. Methodology and results. De Schampheleire I, et al. **J Trop Pediatr** 1981 Aug;27(4):190–5
Integrated family planning activities in maternal and child health centres in Cap Bon, Tunisia. II: Use of a family planning technical card in an integrated maternal and child health program. De Schampheleire I. **J Trop Pediatr** 1981 Aug;27(4):196–8
Integrated family planning activities in maternal and child health centres in Cap Bon, Tunisia. Part III: impact on some maternal and child health indicators. De Schampheleire I. **J Trop Pediatr** 1981 Dec;27(6):304–7
Women's health care: approaches in delivery to physically disabled women. Peters L. **Nurse Pract** 1982 Jan;7(1):34–7, 48
Natural family planning: a review. Klaus H. **Obstet Gynecol Surv** 1982 Feb;37(2):128–50 (137 ref.)
Population and birth planning in the People's Republic of China. Chen PC, et al. **Popul Rep [J]** 1982 Jan–Feb; (25):J577–618 (460 ref.)
Breast-feeding, fertility, and family planning. McCann MF, et al. **Popul Rep [J]** 1981 Nov–Dec;Ser J(24):J-525–75
Relationship between women's attitudes and choice of birth control. Hunter KI, et al. **Psychol Rep** 1981 Oct;49(2):372–4

Maternal and child health and family planning in Nigeria. Oyediran MA. **Public Health** 1981 Nov;95(6):344–6
Factors influencing the acceptance of family planning by blacks in Salisbury, Zimbabwe. MacDonald DS. **S Afr Med J** 1982 Mar 20;61(12):437–9
User preferences for contraceptive methods in India, Korea, the Philippines, and Turkey. World Health Organization Task Force on Psychosocial Research in Family Planning and Task Force on Service Research in Family Planning. **Stud Fam Plann** 1980 Sep–Oct;11(9–10):267–73
Family planning communications and contraceptive use in Guatemala, El Salvador, and Panama. Bertrand JT, et al. **Stud Fam Plann** 1982 Jun–Jul;13(6–7):190–9
Characteristics of successful distributors in the community-based distribution of contraceptives in Guatemala. Bertrand JT, et al. **Stud Fam Plann** 1980 Sep–Oct;11(9–10):274–85
Sources of family size attitudes and family planning knowledge among rural Turkish youth. Carpenter-Yaman CE. **Stud Fam Plann** 1982 May;13(5):149–58
Incentives, reproductive behavior, and integrated community development in Asia. David HP. **Stud Fam Plann** 1982 May;13(5):159–73
A review of midwife training programs in Tamil Nadu. Mani SB. **Stud Fam Plann** 1980 Dec;11(12):395–400
The demographic impact of the family planning—health services project in Matlab, Bangladesh. Phillips JF, et al. **Stud Fam Plann** 1982 May;13(5):131–40
The demographic impact of the contraceptive distribution project in Matlab, Bangladesh. Stinson WS, et al. **Stud Fam Plann** 1982 May;13(5):141–8
Utilizing research to manage a family planning project. Williamson NE. **Stud Fam Plann** 1980 Sep–Oct; 11(9–10):301–7
Teenagers who use organized family planning services: united states, 1978. Eckard E. **Vital Health Stat [13]** 1981 Aug; 13(57):1–18
Women who use organized family planning services: United States, 1979. Eckard E. **Vital Health Stat [13]** 1982 Jan; 13(62):1–28
Family planning visits by teenagers: United States, 1978. Foster J, et al. **Vital Health Stat [13]** 1981 Aug;13(58):1–24
The National Inventory of Family Planning Services: 1978 survey results. Graves E. **Vital Health Stat [14]** 1982 Feb; 14(26):1–34
Use of services for family planning and infertility: United States. Hendershot GE, et al. **Vital Health Stat [23]** 1981 Dec;23(8):1–41
Knowledge and attitudes toward Tay–Sachs disease among a college student population. Austein CF, et al. **Yale J Biol Med** 1981 Sep–Oct;54(5):345–54
[Family planning. Contraception, sterilization, abortion] Ludwig H. **Fortschr Med** 1982 Apr 29;100(16):721–2, 742 **(Ger)**
[Family planning] Stoll P. **Lebensversicherungsmedizin** 1982 Feb 11;34(2):42–5 (Eng. Abstr.) **(Ger)**
[Are hormonal contraceptives relevant for family planning?] Wenderlein JM. **MMW** 1982 May 21;124(20):487–8 **(Ger)**
[Family planning—paragraph 218 StGB] Jakob E. **Off Gesundheitswes** 1981 Sep;43(9):421–2 **(Ger)**
[Changes in the reproductive behavior in East Germany (1970–1979) in connection with measures of family policy. I.] Fritsche U. **Z Arztl Fortbild (Jena)** 1981 May 15; 75(10):489–92 **(Ger)**
[The development and role of the Marriage and Family Section in the establishment of socialist family policies in East Germany] Dierl W. **Z Gesamte Hyg** 1981 Jul 7; 27(7):514–6 (Eng. Abstr.) **(Ger)**
[Psychological conditions of the desire to have children and its fulfillment (empirical report)] Geissler A. **Z Gesamte Hyg** 1981 Jul 7;27(7):522–5 (Eng. Abstr.) **(Ger)**
[The development and role of the Marriage and Family Section in the Social Hygiene Society of East Germany] Wegner B. **Z Gesamte Hyg** 1981 Jul 7;27(7):516–8 (Eng. Abstr.) **(Ger)**
[Knowledge concerning the family-planning clinic among the female population of Milan: studies of a group of 959 puerperas] Bouzin A, et al. **Ann Ostet Ginecol Med Perinat** 1982 Jan–Feb;103(1):60–7 **(Ita)**
[Contraception, pregnancy management and the clinic: opinions of 1271 puerperas in a large hospital on the northern border of Milan] Dall'Aglio P. **Ann Ostet Ginecol Med Perinat** 1982 Jan–Feb;103(1):48–59 (Eng. Abstr.) **(Ita)**
[Pregnancy, contraception and the family-planning clinic: from the woman's point of view (studies of 3635 puerperas in 6 Lombard hospital obstetrical departments)] Remotti G, et al. **Ann Ostet Ginecol Med Perinat** 1982 Jan–Feb; 103(1):7–47 (Eng. Abstr.) **(Ita)**
[Studies of the attitude of a group of puerperas of the Brianza region toward contraception and the services offered for such purposes by the public health organizations] Remotti G, et al. **Ann Ostet Ginecol Med Perinat** 1982 Jan–Feb; 103(1):68–92 (Eng. Abstr.) **(Ita)**
[Contraception, pregnancy management and the family-planning clinic (findings on 410 puerperas in a Lombard hospital)] Semeria M. **Ann Ostet Ginecol Med Perinat** 1982 Jan–Feb; 103(1):93–101 (Eng. Abstr.) **(Ita)**
[Aspects of reproduction related to human rights. II. Contraception] Martínez-Manautou J. **Gac Med Mex** 1981 Jul;117(7):266–8 **(Spa)**
[Family planning in a suburban development of Mexico City] Gutiérrez Avila JH, et al. **Salud Publica Mex** 1982 Jan–Feb; 24(1):39–47 (Eng. Abstr.) **(Spa)**
[Elaboration and development of a family planning program for pharmacists in Mexico] Gutiérrez Martínez C, et al. **Salud Publica Mex** 1981 Jul–Aug;23(4):405–11 (Eng. Abstr.) **(Spa)**

ECONOMICS

Medicaid funding of family planning clinic services. Orr MT, et al. **Fam Plann Perspect** 1981 Dec;13(6):280–7

TRENDS

Family planning and abortion: have they affected fertility in Tennessee? Atrash HK, et al. **Am J Public Health** 1982 Jun;72(6):608–10
Survey of childbearing women in Qi-yi Commune. Gao ES, et al. **Am J Public Health** 1982 Sep;72(9 Suppl):27–9
Health services in Shanghai County; family planning. Zheng WS, et al. **Am J Public Health** 1982 Sep;72(9 Suppl):24–5
A time series of instrumental fertility variables. Ryder NB. **Demography** 1981 Nov;18(4):487–509
Terminology and core curricula in natural family planning. Brennan JJ, et al. **Fertil Steril** 1982 Jul;38(1):117–8
Basal body temperature [letter] Kambic B. **Fertil Steril** 1982 Jul;38(1):120–1
Oral contraceptive during lactation: a global survey of physician practice. Strauss LT, et al. **Int J Gynaecol Obstet** 1981 Jun;19(3):169–75
Evaluation of family planning communications in El Salvador. Bertrand JT, et al. **Int J Health Educ** 1982; 24(3):183–94
Iowa Family Planning Program. Adams CS. **J Iowa Med Soc** 1982 Apr;72(4):165–8
Characteristics of contraceptive acceptors in rural Zaire. Brown JE, et al. **Stud Fam Plann** 1980 Dec;11(12):378–84
Induced abortion in the Netherlands: a decade of experience, 1970–80. Ketting E, et al. **Stud Fam Plann** 1980 Dec; 11(12):385–94
[The family planning 'turntable': The counsellor in the face of a wide range of requests. (author's transl)] Meregaglia N, et al. **Ther Umsch** 1981 Nov;38(11):1103–6 (Eng. Abstr.) **(Ger)**

FAMILY PRACTICE

see related
PHYSICIANS, FAMILY

Confidentially and the family physician. Eaddy JA, et al. **Am Fam Physician** 1982 Jan;25(1):141–5
Comparative evaluation of clinical pharmacists and physicians in the management of medication-related telephone calls in family practice offices. Brown JM, et al. **Am J Hosp Pharm** 1982 Mar;39(3):437–43
Antimicrobial use review in a family practice setting. D'Achille KM, et al. **Am J Hosp Pharm** 1981 May; 38(5):696–9
Telephone management of drug-related problems in a family practice clinic. Erickson SH, et al. **Am J Hosp Pharm** 1982 Jan;39(1):101–4
The generalist: a jaundiced view. Lee RV. **Am J Med** 1982 Feb;72(2):184–7
The generalist: a jaundiced view. Lee RV. **Am J Med** 1982 Apr;72(4):554–8
Health promotion in general practice. Andersen NA. **Aust Fam Physician** 1982 May;11(5):399–405
My first nine months in general practice. An address to the staff of Bendigo Base Hospital. Bergin M. **Aust Fam Physician** 1982 May;11(5):378–80
General practice and prepaid health plans. Douglas RM. **Aust Fam Physician** 1982 May;11(5):373–7
Dealing with the disadvantaged [news] Durham GA. **Aust Fam Physician** 1982 Apr;11(4):suppl 1–2
Cautionary tales from general practice. Fraser A. **Aust Fam Physician** 1981 Dec;10(12):978–80
Terminal care in country practice. Gates GR. **Aust Fam Physician** 1982 May;11(5):338–42
The 'Manual for General Practice' and the patient's involvement. Gawthorn EC. **Aust Fam Physician** 1981 Aug;10(8):621, 623
Co-ordinator of the health team. Graham AP. **Aust Fam Physician** 1981 Nov;10(11):862–3
Enhancing patient compliance with medical regimens: strategies for the general practitioner. King NJ, et al. **Aust Fam Physician** 1981 Dec;10(12):954–9
Locum services—why we use one. Lewis D. **Aust Fam Physician** 1982 May;11(5):343–7
Which doctor: magic man or mere mortal? McCallum J. **Aust Fam Physician** 1981 Nov;10(11):864–5
Medical care and the arthritis sufferer: a survey in outer Melbourne. Maddox J. **Aust Fam Physician** 1981 Nov; 10(11):876–82
On site radiology in general practice. The state of the art. Merrington HN. **Aust Fam Physician** 1981 Sep;10(9):744–5, 748–50
F.H. Faulding Research Fellowship award 1980: the anatomy of a rural practice. Murtagh JE. **Aust Fam Physician** 1981 Jul;10(7):564–7
Doctor hopping in general practice: a Malaysian survey. Ngeow TF, et al. **Aust Fam Physician** 1981 May; 10(5):397–9, 401–3
Physician and pharmacist—natural partners. Oscar G. **Aust Fam Physician** 1981 Nov;10(11):66–70
Mothers and babies are only human. Paterson R. **Aust Fam Physician** 1981 Nov;10(11):873–4
Assisting the asthma patient in self management. Rubinfeld AR. **Aust Fam Physician** 1981 Nov;10(11):884–6
Workloads of general practitioners in the greater Brisbane area. Ryan JG, et al. **Aust Fam Physician** 1982 May; 11(5):362–8
Anaesthetics in rural general practice. Stable R. **Aust Fam Physician** 1981 Dec;10(12):969–70
They ask me: 'What are we going to do about the doctors?' Temby E. **Aust Fam Physician** 1981 Nov;10(11):855–7
Nutrition in family practice [editorial] Truswell AS. **Aust Fam Physician** 1982 Apr;11(4):234–6
Women in general practice [letter] **Br Med J [Clin Res]** 1981 Dec 5;283(6305):1543–4
Do general practitioner deliveries constitute a perinatal mortality rate? [letter] **Br Med J [Clin Res]** 1982 Mar 13; 284(6318):822–3
Advantages of deputising services: a personal view [letter] **Br Med J [Clin Res]** 1982 Apr 17;284(6323):1194–5
Measurement of omission [letter] **Br Med J [Clin Res]** 1982 Jul 17;285(6336):207–8
Volunteers in general practice. It does work. Allibone A. **Br Med J [Clin Res]** 1981 Dec 12;283(6306):1581–2
Do appointment systems work? Arber S, et al. **Br Med J [Clin Res]** 1982 Feb 13;284(6314):478–80
Women in general practice. Asher P. **Br Med J [Clin Res]** 1982 Jan 30;284(6312):317–8
Assessment of receptionists by questions on patient management. Bain DJ, et al. **Br Med J [Clin Res]** 1982 Apr 17;284(6323):1165–7
Organising a practice. Practising from purpose-built premises. Barley NH. **Br Med J [Clin Res]** 1982 Feb 20; 284(63.5):567–8
General practitioner in rescue helicopters. Beale JD. **Br Med J [Clin Res]** 1981 Oct 10;283(6297):959–60
A new form of community hospital service for the elderly. Beales DL. **Br Med J [Clin Res]** 1982 Mar 13; 284(6318):840–1
Radiology. Bishop NL. **Br Med J [Clin Res]** 1982 Sep 11; 285(6343):701–3
ABC of alcohol. Help: referral. Bissell D, et al. **Br Med J [Clin Res]** 1982 Feb 13;284(6314):495–7
Clinical policies. Buckley EG. **Br Med J [Clin Res]** 1982 Jul 31;285(6338):351–2
Practice policy. Buckley EG. **Br Med J [Clin Res]** 1982 Jul 17;285(6336):177–9
Tailoring hospital facilities to needs [letter] Cavenagh AJ. **Br Med J [Clin Res]** 1982 Mar 13;284(6318):827
Auditing practice organisation. Cavenagh AJ. **Br Med J [Clin Res]** 1982 Jul 3;285(6334):31–2
Women in general practice. Challacombe CB. **Br Med J [Clin Res]** 1981 Nov 14;283(6302):1304
The medical newspaper. Cowhig J. **Br Med J [Clin Res]** 1982 Jul 10;285(6335):109–11
Organising a practice. A case against deputising services. Creighton PA. **Br Med J [Clin Res]** 1982 Apr 10; 284(6322):1090–1
The GP and the specialist: geriatric medicine. Currie CT. **Br Med J [Clin Res]** 1982 Jul 17;285(6336):183–4
Pathology of partnerships. Bearable and unbearable partners. Dale MH. **Br Med J [Clin Res]** 1982 Jun 19; 284(6332):1845–6
Prospective monitoring for adverse reactions to drugs in general practice. Drury M, et al. **Br Med J [Clin Res]** 1981 Nov 14;283(6302):1305–7
Organising and training staff. Drury VW. **Br Med J [Clin Res]** 1982 May 15;284(6327):1447–9
The GP and the specialist. Dyer NH. **Br Med J [Clin Res]** 1982 Jun 26;284(6333):1917
Making physiotherapy more accessible: open access for general practitioners to a physiotherapy department. Elliman R, et al. **Br Med J [Clin Res]** 1982 Apr 17; 284(6323):1173–5
Women in general practice. Everett JE. **Br Med J [Clin Res]** 1982 Mar 6;284(6317):715–6
Organising a practice. Converting to practice premises. Farmer MJ. **Br Med J [Clin Res]** 1982 Jun 19; 284(6332):1839–40
Disappointments, seductions, and resentment. Freeling P. **Br Med J [Clin Res]** 1982 Mar 13;284(6318):793–4
Organising time. Froggatt C. **Br Med J [Clin Res]** 1982 May 8;284(6326):1377–8
You're never here . . . I'm never there. Gemini. **Br Med J [Clin Res]** 1982 Feb 13;284(6314):482–3
The GP and the specialist. Cardiology. Hampton JR. **Br Med J [Clin Res]** 1982 Jun 19;284(6332):1841–2
Organising a practice. The single-handed doctor. Husain MH. **Br Med J [Clin Res]** 1981 Nov 7;283(6301):1223–5
Designing premises in a 'shell'. Jenkins S. **Br Med J [Clin Res]** 1982 Mar 13;284(6318):794–6
Day hospital care by general practitioners in a cottage/community hospital. Jones DT, et al. **Br Med J [Clin Res]** 1981 Nov 28;283(6304):1441–2
A general practice expands. Kay PG. **Br Med J [Clin Res]** 1981 Dec 5;283(6305):1514–6
Pathology of partnerships: a resurgent evil. Lester JP.

Br Med J [Clin Res] 1982 Aug 21;285(6341):548
Stringent prescribing in general practice. Marsh GN. **Br Med J [Clin Res]** 1981 Oct 31;283(6300):1159–60
Organising a practice. Problem identification, disease management, and audit. Martin EE. **Br Med J [Clin Res]** 1982 Jul 24;285(6337):265–6
Problems, priorities, and possibilities. Morrell DC. **Br Med J [Clin Res]** 1982 Aug 7;285(6339):413–4
Practice Research. Computerisation—the choice. Pringle M, et al. **Br Med J [Clin Res]** 1982 Jan 16;284(6310):165–8
General-practitioner obstetrics: two styles of care. Roseveare MP, et al. **Br Med J [Clin Res]** 1982 Mar 27; 284(6320):958–60
Organising a practice. Changes in home visiting and night and weekend cover: the patient's view. Sawyer L, et al. **Br Med J [Clin Res]** 1982 May 22;284(6328):1531–4
ABC of alcohol: detection in general practice. Smerdon G, et al. **Br Med J [Clin Res]** 1982 Jan 23;284(6311):255–7
Physical medicine. Sperryn PN. **Br Med J [Clin Res]** 1982 Jul 10;285(6335):101
Advantages of deputising services: a personal view. Stevenson JS. **Br Med J [Clin Res]** 1982 Mar 27; 284(6320):947–9
Preventive medicine in general practice [editorial] Taylor KB. **Br Med J [Clin Res]** 1982 Mar 27;284(6320):921–2
Leicestershire: encouraging specialisation in a general practice. Thew RJ. **Br Med J [Clin Res]** 1982 Mar 27; 284(6320):949–51
Pathology of partnerships. The new partner. Tyro. **Br Med J [Clin Res]** 1982 May 1;284(6325):1308
Neurological emergencies [letter] Wade DT. **Br Med J [Clin Res]** 1981 Sep 26;283(6295):858
The GP and the specialist. Psychiatry. Williams P. **Br Med J [Clin Res]** 1982 Mar 20;284(6319):876–7
The medical adviser and general practitioner trials. Bax RP. **Bristol Med Chir J** 1980 Jan–Apr;95(353–354):3–5
Prescribing of minor tranquillizers for emotional problems in a family practice. Bass MJ, et al. **Can Med Assoc J** 1981 Dec 1;125(11):1225–6
The issue is quality [editorial] Perkin RL. **Can Med Assoc J** 1982 Apr 1;126(7):757–8
Randomized clinical trial of supportive follow-up for cigarette smokers in a family practice. Wilson D, et al. **Can Med Assoc J** 1982 Jan 15;126(2):127–9
Family practice in hospitals. Shaw CD. **Dimens Health Serv** 1982 Jul;59(7):6
Family practice pharmacy service: part II. Helling DK. **Drug Intell Clin Pharm** 1982 Jan;16(1):35–48
Family practice pharmacy service: Part I. Helling DK. **Drug Intell Clin Pharm** 1981 Dec;15(12):971–7
What GPs can do for problem drinkers: a fresh approach. **Drug Ther Bull** 1981 Nov 6;19(23):89–91
Drug trials in general practice. **Drug Ther Bull** 1981 Dec 4;19(25):97–9
Implementation of a computer-assisted medical record system in the family practice office. Farrell DL, et al. **Hawaii Med J** 1982 Mar;41(3):90–3
The effects of a system of geriatric screening and assessment on general practice workload. Barber JH, et al. **Health Bull (Edinb)** 1982 May;40(3):125–32
A limited, direct access endoscopy service for general practitioners. Logan RF, et al. **Health Bull (Edinb)** 1982 Mar;40(2):92–7
The family physician's role in the care of the elderly. Nixon SA. **J Am Geriatr Soc** 1982 Jun;30(6):417–20
The abnormal outpatient chemistry panel serum alkaline phosphatase: analysis of physician response, outcome, cost and health effectiveness. Amberg JM, et al. **J Chronic Dis** 1982 Feb;35(2):81–8
Hospital consultants—an influence on G.P. prescribing? A pilot study. Strickland-Hodge B, et al. **J Clin Hosp Pharm** 1982 Jun;7(2):131–6
A family practice orthopedic trauma clinic. Alcoff J, et al. **J Fam Pract** 1982 Jan;14(1):93–6
The single parent family. Anstett RE, et al. **J Fam Pract** 1982 Mar;14(3):581–6
Attitudes of patients toward family care in a family practice group. Bartholomew L, et al. **J Fam Pract** 1982 Sep; 15(3):477–81
Longitudinal norms in family medicine research. Bibace R. **J Fam Pract** 1982 Mar;14(3):607–8
A study of patients with psychosocial problems in a family practice. Brennan M, et al. **J Fam Pract** 1981 Nov; 13(6):837–43
Patient care telephone calls received in family practice offices. Brown JM, et al. **J Fam Pract** 1982 Mar; 14(3):527–32
Prevalence and characteristics of frequent attenders in a prepaid Canadian family practice. Browne GB, et al. **J Fam Pract** 1982 Jan;14(1):63–71
Characteristics of students preferring family practice/primary care careers. Burkett GL, et al. **J Fam Pract** 1982 Sep; 15(3):505–12
Family physicians as consultants. Candib LM. **J Fam Pract** 1981 Nov;13(6):935–6
Patterns of health care utilization in an academic family practice. Chatterton HT, et al. **J Fam Pract** 1982 May; 14(5):893–7
A seed money grant program for family medicine research. Cherkin DC, et al. **J Fam Pract** 1982 Jan;14(1):166, 170, 172
Hospital privileges for family physicians: a national study of office based members of the American Academy of Family physicians. Clinton C, et al. **J Fam Pract** 1981 Sep; 13(3):361–71
The family physician's office: proposed design criteria for family centered medical care. Coble RJ, et al. **J Fam Pract** 1982 Jan;14(1):77–81
The family continuity of care contract. Driggers D, et al. **J Fam Pract** 1982 Sep;15(3):471–3
Comparison of family practice in the United States and the United Kingdom. Fry J. **J Fam Pract** 1981 Nov;13(6):941
Integrating community medicine in a family practice center: an approach to urban lead toxicity. Galazka SS, et al. **J Fam Pract** 1982 Feb;14(2):333–8
Hospital privileges of family physicians [editorial] Geyman JP. **J Fam Pract** 1981 Sep;13(3):325–6
The literature of record in family practice: progress, problems, and needs [editorial] Geyman JP. **J Fam Pract** 1981 Oct;13(5):591–2
Career tracks in academic family medicine: issues and approaches. Geyman JP. **J Fam Pract** 1982 May; 14(5):911–7
Strategies for funding research in family medicine. Gordon MJ. **J Fam Pract** 1981 Sep;13(4):558–63
Fellowship training for clinical pharmacists in family practice. Helling DK, et al. **J Fam Pract** 1982 Sep;15(3):562, 564
Interpractice variation in Barbados family practice. Hoyos MD. **J Fam Pract** 1982 Feb;14(2):291–5
The diagnostic content of family practice: 50 most common diagnoses recorded in the WAMI community practices. Kirkwood CR, et al. **J Fam Pract** 1982 Sep;15(3):485–92
Patient characteristics that elicit negative responses from family physicians. Klein D, et al. **J Fam Pract** 1982 May; 14(5):881–8
The obstetrical experience of 20 years in one family practice. Koning JH. **J Fam Pract** 1982 Jan;14(1):163–6
Family practice referral patterns in a health maintenance organization. Mayer TR. **J Fam Pract** 1982 Feb;14(2):315–9
Child abuse and neglect. Miller KA. **J Fam Pract** 1982 Mar; 14(3):571–5
Ratings of medical journals by family physician educators. Miller MD. **J Fam Pract** 1982 Sep;15(3):517–9
Meeting the challenge of research in family medicine: report of The Study Group on Family Medicine Research. Parkerson GR Jr, et al. **J Fam Pract** 1982 Jan;14(1):105–113
Research in family medicine: classification, directions, and costs. Perkoff GT. **J Fam Pract** 1981 Sep;13(4):553–7
Career orientations in primary care [letter] Plovnick MS, et al. **J Fam Pract** 1982 Jun;14(6):1016
The New Zealand family physician and the hospital. Richards JG. **J Fam Pract** 1982 Jan;14(1):185, 188–9
Preventive medicine in family practice [letter] Rodney WM. **J Fam Pract** 1981 Nov;13(6):802
Somatization in family practice: a biopsychosocial approach. Rosen G, et al. **J Fam Pract** 1982 Mar;14(3):493–502 (52 ref.)
Benzodiazepine utilization in a family medicine residency program. Seifert RD, et al. **J Fam Pract** 1982 Sep; 15(3):497–500
A family data base for the family oriented medical record. Shapiro DM. **J Fam Pract** 1981 Nov;13(6):881–7
Career satisfaction [letter] Singer K. **J Fam Pract** 1982 Jan; 14(1):24
The family in family medicine [editorial] Smilkstein G. **J Fam Pract** 1982 Feb;14(2):221–3
Community based studies of diabetes control: program development and preliminary analysis. Smith CK, et al. **J Fam Pract** 1982 Mar;14(3):459–67
Use of pediatric prenatal visits by family physicians. Sprunger LW, et al. **J Fam Pract** 1981 Dec;13(7):1007–12
Children as patients: a communications process study in family practice. Stewart TJ, et al. **J Fam Pract** 1981 Nov; 13(6):827–35 (18 ref.)
The departmental assistance program [editorial] Stewart WL. **J Fam Pract** 1982 Sep;15(3):407
Diagnostic profile of a family practice clinic: patients with psychosocial diagnoses. Stumbo D, et al. **J Fam Pract** 1982 Feb;14(2):281–5
Continuity of care and family medicine: definition, determinants, and relationship to outcome. Wall EM. **J Fam Pract** 1981 Oct;13(5):655–64 (58 ref.)
Why family practice? A medical student states his views. Tuthill SW. **J La State Med Soc** 1981 Aug;133(8):122–3
War of the roses in Union Springs. McDonald WH. **J Med Assoc State Ala** 1981 Sep;51(3):9–10, 15
Family practice as a specialty choice: effect of premedical and medical education. Brearley WD, et al. **J Med Educ** 1982 Jun;57(6):449–5?
Practice locations of family practice residency graduates. Schmittling G, et al. **J Med Educ** 1981 Sep;56(9 Pt 1):709–16
Doctor–patient relationships in general practice—a different model. Kushner T. **J Med Ethics** 1981 Sep;7(3):128–31
Family medicine as a social science. Hoffmaster B. **J Med Philos** 1981 Nov;6(4):387–410
General practitioners and National Health Service planning [editorial] **J R Coll Gen Pract** 1981 Jul;31(228):389–90
Joint Working Party report on radiological services for general practitioners. The Royal College of General Practitioners the Royal College of Radiologists. **J R Coll Gen Pract** 1981 Sep;31(230):528–30
Obtaining and maintaining membership: a Council discussion paper. The Royal College of General Practitioners. **J R Coll Gen Pract** 1981 Sep;31(230):521–4
Antibiotics in general practice. **J R Coll Gen Pract** 1982 Apr; 32(237):205–10 (72 ref.)
Delegation to nurses in general practice. Bowling A. **J R Coll Gen Pract** 1981 Aug;31(229):485–90
Accuracy of the patient identifier in a family practice data system. Boyle RM. **J R Coll Gen Pract** 1981 Apr; 31(225):242–4
Expectations and experience of people who consult in training practice. Bradley NC. **J R Coll Gen Pract** 1981 Jul;31(228):420–5
Would more mental illness services help general practitioners manage their difficult patients? Broome AK, et al. **J R Coll Gen Pract** 1981 May;31(226):303–7
Clinical psychology in general practice: a controlled trial evaluation. Earll L, et al. **J R Coll Gen Pract** 1982 Jan; 32(234):32–7
Workload review. Birmingham Research Unit, Royal College of General Practitioners. Fleming DM. **J R Coll Gen Pract** 1982 May;32(238):292–7
Acute medicine in a general practitioner hospital. Jones RH. **J R Coll Gen Pract** 1982 Apr;32(237):245–7
Control of hypertension in family practice by the doctor–nurse team. Silverberg DS, et al. **J R Coll Gen Pract** 1982 Mar;32(236):184–6
Work of the clinical psychologist in general practice: preliminary communication. France R, et al. **J R Soc Med** 1982 Mar;75(3):185–9
The 'specialty' of general practitioner obstetrics. Marsh GN. **Lancet** 1982 Mar 20;1(8273):669–72
Work-load in a rural practice over the past eighteen years. Wilson JB. **Lancet** 1982 Mar 27;1(8274):733–4
Microcomputers in general practice [letter] de Ruyter EA. **Med J Aust** 1981 Aug 22;2(4):206
Good health is not for sale—what then are doctors for? Smith JE. **Minn Med** 1982 Jun;65(6):374–7
Experience of organizing collaboration of general practitioners in psychiatric studies in a specific catchment area. Gastpar M. **Mod Probl Pharmacopsychiatry** 1981; 16:75–81
Ambulatory child health care: how and by whom? [letter] Paccaud F, et al. **N Engl J Med** 1982 May 13; 306(19):1182–3
General practitioners and the community health nursing service. Emery GM. **NZ Med J** 1982 Jun 23;95(710):428–30
The prevalence of illness in a birth cohort. Fergusson DM, et al. **NZ Med J** 1982 Jan 13;95(699):6–10
Factors associated with variations in general practitioner prescribing costs. Isherwood J, et al. **NZ Med J** 1982 Jan 13;95(699):14–7
Why skip the general practitioner and go to the accident and emergency department? Kljakovic M, et al. **NZ Med J** 1981 Jul 22;94(688):49–52
General practice: a consumer viewpoint. Richards JG, et al. **NZ Med J** 1982 Apr 14;95(705):225–9
In practice [letter] Ridley-Smith RM. **NZ Med J** 1981 Nov 11;94(695):355–6
The elderly patient in general practice [letter] Taylor BB. **NZ Med J** 1982 Jul 28;95(712):514
A visit with an English GP. Walbroehl GS. **Ohio State Med J** 1982 May;78(5):325, 329
Establishing lithium clinics in office practice. Hasan MK, et al. **Postgrad Med** 1982 Feb;71(2):182, 186, 190
Family practice, a success story [editorial] Howard RB. **Postgrad Med** 1982 Jun;71(6):19–21
General practice British style [letter] Palmer WN. **Postgrad Med** 1982 Feb;71(2):37
The pharmacist as a member of the primary care team: experience in a university-based program. Robinson JD, et al. **Postgrad Med** 1982 Jan;71(1):97–103
Primary care physician's book list. Wender RW, et al. **Postgrad Med** 1982 Feb;71(2):74–7, 81–3
An open haematology service. A survey of its use by family practitioners. Ainley EJ, et al. **Practitioner** 1981 Apr; 225(1354):437–8
A simple and effective drug information system for general practitioners. Biersteker E, et al. **Practitioner** 1982 Apr; 226(1366):605–6
The value of electrocardiography in general practice. Bruce JD. **Practitioner** 1982 Mar;226(1365):469–70, 472, 475
Deputizing arrangements in general practice. Crowe MG. **Practitioner** 1982 Mar;226(1365):391–7
From a casebook of behaviour therapy in general practice (1). France R. **Practitioner** 1982 Jun;226(1368):1119–24
Open access by general practitioners to hospital physiotherapy departments. Hunt EJ, et al. **Practitioner** 1982 Apr;226(1366):609–10
The Weaver index and register. McGuinness BW, et al. **Practitioner** 1981 May;225(1355):613–4
Research in general practice–the extra dimension. McGuinness BW. **Practitioner** 1982 Apr;226(1366):612–3
Is screening of value in general practice? Mann JG. **Practitioner** 1981 May;225(1355):685–7
Organizing a general-practitioner therapeutical trial. Posner V, et al. **Practitioner** 1982 May;226(1367):975–7
The general practitioner obstetrician. Taylor GW. **Practitioner** 1982 Mar;226(1365):513–4, 517–8
The general practitioner and the handicapped child. Tuke JW. **Practitioner** 1982 Jun;226(1368):1019–23
Hospital geriatrics for a general practitioner. Whyatt ND. **Practitioner** 1982 Mar;226(1365):507–8, 510, 512

The work of the general practitioner surgeon. Williamson BC. **Practitioner** 1982 Mar;226(1365):521–2, 524–5

Night calls. A survey in general practice. Furman S. **S Afr Med J** 1981 Oct 10;60(15):589–91

The primary care physician and the suicidal patient. Nelson WH. **W Va Med J** 1981 Nov;77(11):286–8

[Report of a treatment control study by the General Practice Committee] **Ugeskr Laeger** 1981 Dec 7;143(50):3422–31 (Eng. Abstr.) **(Dan)**

[Diagnosis and disease classification in general practice. A review of literature with comments] Nørrelund N. **Ugeskr Laeger** 1981 Jul 6;143(28):1793–6 **(Dan)**

[Mobile rheumatological records. A link between special departments and practice] Skjødt P, et al. **Ugeskr Laeger** 1982 Apr 19;144(16):1167–8 (Eng. Abstr.) **(Dan)**

[Causes of death in patients in general practice; organization of a reviewing system] Schadé E. **Ned Tijdschr Geneeskd** 1981 Aug 25;125(35):1414–7 (Eng. Abstr.) **(Dut)**

[Geriatrics and family practice] Fuldauer A. **Tijdschr Gerontol Geriatr** 1982 Feb;13(1):19–20 **(Dut)**

[The general practitioner in psychiatric emergencies. (Introduction)] Luminet D. **Rev Med Liege** 1981 Dec 1; 36(23):849–50 **(Fre)**

[General medicine--an attempt at definition] Schultze-Lans E. **Fortschr Med** 1981 Aug 27;99(31–32):1207–9 **(Ger)**

[Checking physical performance in general and sports practice] Brauer BM. **Z Arztl Fortbild (Jena)** 1981 Dec 15;75(24):1184–7 **(Ger)**

[Problems of analysing accident victims treated by general practitioners] Böhm H, et al. **Z Gesamte Hyg** 1981; 27(5):385–6 (Eng. Abstr.) **(Ger)**

[The coronary patient in general practice. New diagnostic and therapeutic possibilities] Halhuber MJ. **ZFA (Stuttgart)** 1982 Jan 10;58(1):1–5 **(Ger)**

[Short-term and long-term consultations in general practice] Aaraas I. **Tidsskr Nor Laegeforen** 1981 Nov 20; 101(32):1828–30 (Eng. Abstr.) **(Nor)**

[A study of general practice in Otta with special emphasis on ill-defined conditions] Steinsvoll PS. **Tidsskr Nor Laegeforen** 1981 Sep 30;101(27):1518–22 **(Nor)**

[Family dispensary care of the rural population in the Mongolian People's Republic] Mukhar Ts. **Sov Zdravookhr** 1982;(4):48–50 **(Rus)**

[The role of the general practitioner in oncologic care] Babinski P, et al. **Srp Arh Celok Lek** 1981 Apr; 109(4):557–61 **(Scc)**

[The patients prefer to visit the general practitioner. The most important is to meet the same physician every time] Lindström K. **Lakartidningen** 1982 Mar 17;79(11):994–5 **(Swe)**

ECONOMICS

Model for cost-benefit analysis of clinical pharmacy in family practice. Chrischilles EA, et al. **Am J Hosp Pharm** 1982 Jun;39(6):992–8

Paying general practitioners. No future for a salaried service. Lowe M. **Br Med J [Clin Res]** 1981 Nov 7;283(6301):1227–8

Paying general practitioners. Salaried service--a basis for the future? Robson J. **Br Med J [Clin Res]** 1981 Nov 7; 283(6301):1225–7

Funding of patient care, education, and research in family practice. **J Fam Pract** 1981 Sep;13(4):493–569

Patient care income and the financing of residency education in family medicine. Colwill JM, et al. **J Fam Pract** 1981 Sep;13(4):529–36

Fee for service, health insurance, and the family physician. Estes EH Jr. **J Fam Pract** 1981 Sep;13(4):497–501

Funding patient care, education, and research in family practice: interrelated system problems. Geyman JP. **J Fam Pract** 1981 Sep;13(4):495–6

Reimbursement issues in rural family practice: an experience in Washington State. Gillanders WR. **J Fam Pract** 1981 Sep;13(4):525–8

Funding issues in primary care and family practice: a policy perspective. Graham R, et al. **J Fam Pract** 1981 Sep; 13(4):564–9

Reimbursement practices and the primary care physician: an economist's view. Scheffler RM. **J Fam Pract** 1981 Sep; 13(4):502–7

Introducing a prepaid health insurance plan into a family practice residency: some preliminary issues. Schneeweiss R, et al. **J Fam Pract** 1981 Sep;13(4):537–40

Reimbursement issues in urban family practice: experience in New York City. Siegel F. **J Fam Pract** 1981 Sep; 13(4):522–4

A family practice center experience with an HMO. Smith GA. **J Fam Pract** 1981 Sep;13(4):541–52

Submission from the New Zealand Medical Association to the Committee to Review Primary Medical Services. **NZ Med J** 1982 Apr 28;95(706):272–5

General practice costs survey for financial years 1974/5—1980/81. Davies S, et al. **NZ Med J** 1982 Jun 23;95(710):430–3

[General practice from an economic aspects (I)] Bundschuh B, et al. **ZFA (Stuttgart)** 1981 Aug 31;57(24):1608–11 **(Ger)**

[General practice from an economic aspect (II)] Bundschuh B, et al. **ZFA (Stuttgart)** 1981 Sep 10;57(25):1656–64 **(Ger)**

EDUCATION

Screening for glaucoma by general medicine residents. Steinmann WC, et al. **Arch Intern Med** 1982 Apr; 142(4):785–6

One FMP trainee's experience. Chapman SC. **Aust Fam Physician** 1981 Dec;10(12):973–6

Is the university GP dead? [interview] Fabb W. **Aust Fam Physician** 1981 Jun;10(6):suppl 4

Continuing education for GPs: a Queensland survey. Munro C, et al. **Aust Fam Physician** 1982 Jan;11(1):58–63

Uncertainties in Bradford. Bahrami J. **Br Med J [Clin Res]** 1982 Aug 7;285(6339):411–2

Shortlisting trainees: selecting with solicitude in exeter. Bolden KJ. **Br Med J [Clin Res]** 1982 Sep 11; 285(6343):699–701

Overcoming isolation in London. Fellowships in general practice in St Thomas's district. Courtenay MJ, et al. **Br Med J [Clin Res]** 1982 Jan 30;284(6312):318–20

Defects in proposed regional advisory machinery [letter] Donald AG. **Br Med J [Clin Res]** 1982 Mar 13; 284(6318):828

How to get the most out of the trainee year. Donohoe M, et al. **Br Med J [Clin Res]** 1982 Jan 30;284(6312):315–6

The preregistration houseman in general practice. Freeman GK, et al. **Br Med J [Clin Res]** 1982 May 8; 284(6326):1379–83

Lichfield: Academic support practice. Harrington LT. **Br Med J [Clin Res]** 1982 Mar 20;284(6319):877–8

Women in general practice. Jebb G. **Br Med J [Clin Res]** 1982 Feb 20;284(6315):566–7

How I would organise a day-release course for trainees. Jewell MD. **Br Med J [Clin Res]** 1982 May 22; 284(6328):1537–8

Organising a practice. Giving the best to a trainee. Llewellyn DJ. **Br Med J [Clin Res]** 1982 Feb 6;284(6313):389–90

Spotlight on moonshine. Pickering WG. **Br Med J [Clin Res]** 1982 Sep 11;285(6343):697–8

Seven years of running a half-day release course. Pietroni R. **Br Med J [Clin Res]** 1982 May 1;284(6325):1305–6

Practice educational meetings: a new influence in general practice. Reiss BB, et al. **Br Med J [Clin Res]** 1981 Oct 17;283(6298):1025–7

How I organise a half-day release course for trainees. Smith CH. **Br Med J [Clin Res]** 1982 Apr 24;284(6324):1240–1

Northumberland Young Practitioner Group. Tayor GB. **Br Med J [Clin Res]** 1982 Jul 10;285(6335):103

Day-release courses in the West Midlands. Thorpe GW. **Br Med J [Clin Res]** 1982 Jul 3;285(6334):29–30

Training for family practice [letter] **Can Med Assoc J** 1982 Jan 1;126(1):16, 21

Inadequacy of current requirements for licensure in family medicine [letter] McWhinney IR. **Can Med Assoc J** 1982 Jan 15;126(2):115

A survey of the use of televised consultations by teachers of general practice. Taylor R. **J Audiov Media Med** 1981 Apr;4(2):52–4

After-hours calls: a five-year longitudinal study in a family practice group. Bergman JJ, et al. **J Fam Pract** 1982 Jul; 15(1):101–6

A systematic approach to faculty development for family practice faculty. Bland CJ, et al. **J Fam Pract** 1982 Mar; 14(3):537–43

Resident evaluation of current practice management training. Breitwieser D, et al. **J Fam Pract** 1981 Dec;13(7):1063–4

Teaching the family system concept in family medicine Christie-Seely J. **J Fam Pract** 1981 Sep;13(3):391–401

Teaching alcoholism to family medicine students. Coggan P, et al. **J Fam Pract** 1981 Dec;13(7):1025–8

Training in drug abuse in a family medicine residency. Confusione M, et al. **J Fam Pract** 1982 Jul;15(1):189–90

Multiple choice questions for continuing education in family medicine. Dickie GL, et al. **J Fam Pract** 1981 Dec; 13(7):1031–5

A study of resident applicant screening. DiVasto P, et al. **J Fam Pract** 1982 Feb;14(2):382–3

The office laboratory in family practice residency programs. Fischer P, et al. **J Fam Pract** 1981 Sep;13(3):407–10

Psychosocial bias in the diagnosis of obesity. Franks P, et al. **J Fam Pract** 1982 Apr;14(4):745–50

Student selection of family practice residencies: a ten-year view. Geyman JP. **J Fam Pract** 1981 Dec;13(7):971–2

Resident and faculty perceptions of effective clinical teaching in family practice. Gjerde CL, et al. **J Fam Pract** 1982 Feb;14(2):323–7

Rural training settings and practice location decision. Glenn JK, et al. **J Fam Pract** 1981 Sep;13(3):377–82

Factors influencing family practice residency selection: a national survey. Goldsmith G. **J Fam Pract** 1982 Jul; 15(1):121–4

Family Practice Grand Rounds. Care of a troubled family and their child with sickle cell anemia. Graham AV, et al. **J Fam Pract** 1982 Jul;15(1):23–32

Home visits as curriculum [letter] Guy LJ, et al. **J Fam Pract** 1982 Jan;14(1):24–6

An infectious disease fellowship for a family physician. Haddy RI, et al. **J Fam Pract** 1982 Mar;14(3):600–1

Teaching occupational medicine in a family medicine residency program. Hainer BL, et al. **J Fam Pract** 1982 Jun;14(6):1150, 1153

Graduate follow-up in the University of Wisconsin family practice residency programs. Hecht RC, et al. **J Fam Pract** 1982 Mar;14(3):549–55

Socrates revisited: his relevance today. Hoffmann WF. **J Fam Pract** 1982 Jan;14(1):179–80

Mental health training in family practice residency programs. Jones LR, et al. **J Fam Pract** 1982 Aug;15(2):329–35

A curriculum in practical clinical skills for family medicine residents. Leventhal WD, et al. **J Fam Pract** 1981 Nov; 13(6):889–91

Use of computer systems in family practice residencies. Lutz L, et al. **J Fam Pract** 1982 Feb;14(2):369–70, 375

Practice and career satisfaction among residency trained family physicians: a national survey. McCranie EW, et al. **J Fam Pract** 1982 Jun;14(6):1107–14

Screening guidelines in a family medicine program: a five-year experience. Mandel IG, et al. **J Fam Pract** 1982 May;14(5):901–7

Adult medicine inpatient experience: a comparison of family practice and internal medicine residency services. Meza F, et al. **J Fam Pract** 1981 Oct;13(5):701–5

Control of hypertension in a family practice model office. Moyer GL. **J Fam Pract** 1981 Dec;13(7):975–80

Impact of a family practice residency on a community hospital: a case study of costs and benefits. Patrick K, et al. **J Fam Pract** 1982 Apr;14(4):727–33

Training gaps in the family practice center. Pinkerton RE, et al. **J Fam Pract** 1982 Jun;14(6):1155–6

Antibiotic prescribing in a family medicine residency program. Robinson JD, et al. **J Fam Pract** 1982 Jul; 15(1):111–7

Family focus: a new rotation. Scheingold L. **J Fam Pract** 1982 Feb;14(2):376, 381

Defining a behavioral science curriculum for family physicians: What do patients think? Schwenk TL, et al. **J Fam Pract** 1982 Aug;15(2):339–45

Surgical training of family practice residents. Shamblin WR, et al. **J Fam Pract** 1982 Aug;15(2):364, 368

An innovative family medicine clerkship. Smith SR, et al. **J Fam Pract** 1981 Oct;13(5):687–92

Hospital privileges for graduates of family practice residency programs. Stern TL, et al. **J Fam Pract** 1981 Dec; 13(7):1013–20

Family practice education and the evolution of disease. Viken RM. **J Fam Pract** 1981 Dec;13(7):1065–6

Preceptorship in family practice. Driscoll CE. **J Iowa Med Soc** 1982 Apr;72(4):150–1

The community surgeons' role in the training of family practice residents. Shamblin WR, et al. **J Med Assoc State Ala** 1982 Mar;51(9):27–8

Drug abuse training as part of a family medicine clerkship. Confusione M, et al. **J Med Educ** 1982 May;57(5):409–11

Family practice [letter] Goldsmith G. **J Med Educ** 1982 Jan; 57(1):77–8

Impact of participation in a family practice track program on student career decisions. Harris DL, et al. **J Med Educ** 1982 Aug;57(8):609–14

Geriatric medicine training in a family medicine residency. Moore JT, et al. **J Med Educ** 1981 Jun;56(6):492–6

Clinical content of the WAMI community clerkship in family medicine. Phillips WR, et al. **J Med Educ** 1982 Aug; 57(8):615–20

Family medicine education in Mississippi. Smith RE, et al. **J Miss State Med Assoc** 1982 May;23(5):139–42

Why not retake the college examination? Brown JR, et al. **J R Coll Gen Pract** 1981 Mar;31(224):176

Moneymed: a game to develop management skills in general practice. Essex B, et al. **J R Coll Gen Pract** 1981 Dec; 31(233):735–9

Continuing education—identifying our needs. Fabb WE. **J R Coll Gen Pract** 1981 Jul;31(228):395–400

Muscle and joint pain: design and evaluation of courses for general practitioners. Griffin GA, et al. **J R Coll Gen Pract** 1981 Nov;31(232):661–8

Systematic use of closed-circuit television in a general practice teaching unit. Irwin WG, et al. **J R Coll Gen Pract** 1981 Sep;31(230):557–60

Can teachers cross continents? Experiences in Sri Lanka. Metcalfe DH, et al. **J R Coll Gen Pract** 1981 Oct; 31(231):605–10

Vocational training: work in a developing country and British general practice. Peppiatt R. **J R Coll Gen Pract** 1981 Jun; 31(227):336–42

William Pickles Lecture 1981. 'Verities yet in their chaos'. Richardson IM. **J R Coll Gen Pract** 1981 Jun; 31(227):328–33

A course in collaboration for social workers and general practitioners. Samuel OW, et al. **J R Coll Gen Pract** 1981 Mar;31(224):172–5

Primary care and medical education. Ross M, et al. **Med Care** 1982 Feb;20(2):235–41

The psychiatrist and family medicine: a different training approach. Lesser AL. **Med Educ** 1981 Nov;15(6):398–406

A factor analytic study of teaching in off-campus general practice clerkships. Shellenberger S, et al. **Med Educ** 1982 May;16(3):151–5

Continuing education in general practice. 2. Impact of education activities. Colditz G, et al. **Med J Aust** 1981 Nov 28;2(11):610–1

Career choices of young graduates: A need for more GP training. Copeman HA, et al. **Med J Aust** 1981 Oct 31; 2(9):488–9

Continuing education in general practice. 1. Attitudes of general practitioners. Wilson A, et al. **Med J Aust** 1981 Nov 14;2(10):545–6

The general practitioner--how much psychiatric education? Deva Dass. **Med J Malaysia** 1981 Dec;36(4):263–7
What do trainee interns see in general practice? St George IM. **NZ Med J** 1982 Jul 28;95(712):506–7
The Boston experience: adventures on the wilder shores of medical education. Robertson JT. **Pharos** 1981 Fall; 44(4):9–13
Vocational training: the in-practice content. Brown WA. **Practitioner** 1981 Oct;225(1360):1362–5
Problems of the trainer and trainee in general practice. Gomez G. **Practitioner** 1981 Apr;225(1354):439–41
Looking back on a trainee year. Hilton S. **Practitioner** 1981 Apr;225(1354):443–4
Trainer–trainee problems: assessment. Hull FM. **Practitioner** 1981 Aug;225(1358):1085–9
The use of television in teaching. Hull FM. **Practitioner** 1982 Feb;226(1364):185–6
The relevance of training courses to general practice. Jobling SA. **Practitioner** 1981 Nov;225(1361):1540–1
A house officer attachment in general practice. McGuinness BW. **Practitioner** 1982 Jul;226(1369):1216–8
Vocational training. The half-day release course. Samuel O. **Practitioner** 1981 Sep;225(1359):1209–11
Seeds. Some thoughts on vocational training schemes in general practice. Sinson JD. **Practitioner** 1982 Jan; 226(1363):15–6
A curricular model for a rural family practice clerkship. Smith BW, et al. **Public Health Rep** 1982 Jul–Aug; 97(4):373–9
Educating the family practice resident in the use of community resources. Chapin BA. **Soc Work Health Care** 1981 Spring;6(3):49–56
The social worker as educator of family practice residents: principles for practice. Chernin ME. **Soc Work Health Care** 1981 Spring;6(3):25–34
Social workers in a Family Practice Residency Network. Twersky RK, et al. **Soc Work Health Care** 1981 Spring; 6(3):13–23
Teaching the behavioral science component in a family practice residency: social work role. Wolkenstein AS, et al. **Soc Work Health Care** 1981 Spring;6(3):35–47
A university of department of family medicine after ten years. Geyman JP, et al. **West J Med** 1982 Feb;136(2):170–8
Training for primary care: a family practice perspective [editorial] Geyman JP. **West J Med** 1982 Jan;136(1):83–4
Primary care training: how much, for whom? [editorial] Martin AR. **West J Med** 1982 Jan;136(1):85
[The teaching of social medicine in the 3d year of study in general medicine according to the new study program] Skalská H, et al. **Cesk Zdrav** 1982 Apr;30(4):172–6 (Eng. Abstr.) **(Cze)**
[A comparison of diagnosis by non-psychiatrists and psychiatrists in patients attending for the 1st time the Mental Health Outpatient Clinic in Kielce] Plutecki A, et al. **Pol Tyg Lek** 1981 Apr 20;36(16):565–6 (Eng. Abstr.) **(Pol)**
[Family social hygiene studies as 1 of the forms of student academic research work] Panachina MI, et al. **Sov Zdravookhr** 1982;(4):39–42 **(Rus)**
[Teaching of polyclinic and emergency therapy during the internship] Galkin VA, et al. **Ter Arkh** 1982;54(1):20–5 **(Rus)**

HISTORY

William Price of Llantrisant--1800–1893. Cule J. **Br Med J [Clin Res]** 1982 Feb 13;284(6314):483–4
Six generations in Wiltshire. Maurice D. **Br Med J [Clin Res]** 1982 Jun 12;284(6331):1756–8
Urban Marks: 1880–1949. Stuart D. **Br Med J [Clin Res]** 1982 Jul 31;285(6338):345–7
Medical practice in the Australian outback 25 years ago. Humphries SV. **Cent Afr J Med** 1982 Feb;28(2):45–7
50 years of general practice: the President's address. Casey M. **Ir Med J** 1981 Jun;74(6):155–8

INSTRUMENTATION

The doctor's bag: emergency equipment. **Aust Fam Physician** 1982 Apr;11(4):279–80

MANPOWER

Advantages of independent practice over partnership. Willis JA. **Br Med J [Clin Res]** 1982 Sep 11;285(6343):703–4
Pediatricians and family physicians: future competition for child patients? Budetti PP, et al. **J Fam Pract** 1982 Jul; 15(1):89–96
Medical manpower–North Canterbury general practitioner opinions. **NZ Med J** 1982 Mar 24;95(704):193–4
[The need for physicians and general practice (editorial)] Yeshurun-Berman T. **Harefuah** 1981 Jun 1;100(11):547–8 **(Heb)**

METHODS

Genitourinary medicine. Adler MW. **Br Med J [Clin Res]** 1982 Jun 5;284(6330):1677–8
Managing uncertainty in family practice. Biehn J. **Can Med Assoc J** 1982 Apr 15;126(8):915–7
Management of high blood pressure in general practice. O'Hanrahan M, et al. **Ir Med J** 1982 Apr;75(4):102–5
[Notturno strumentale] Weidner K. **ZFA (Stuttgart)** 1982 Feb 20;58(5):290–1 **(Ger)**

STANDARDS

Choosing family practice? report of a medical student survey class of '81. Stephens GG. **Ala J Med Sci** 1982 Jan; 19(1):76–80
Education and general medical care. McDermott W. **Ann Intern Med** 1982 Apr;96(4):512–7
Registration--power to the RACGP? [letter] McIntyre HD. **Aust Fam Physician** 1981 Nov;10(11):6–7
Registration of general practitioners. Nisselle P. **Aust Fam Physician** 1981 Jun;10(6):suppl 6–7
College of Family Physicians of Canada's position on family medicine certification [editorial] Rice DI. **Can Med Assoc J** 1981 Aug 1;125(3):239–40
Membership in family practice departments: an urban hospital model. Scardapane JN, et al. **J Fam Pract** 1981 Sep; 13(3):455–6
Standards in general practice. Effectiveness and efficiency. McCormick JS. **J R Coll Gen Pract** 1981 May; 31(226):299–302
Medical audit in general practice - fact or fantasy? Watkins CJ. **J R Coll Gen Pract** 1981 Mar;31(224):141–5
Audit in general practice. Drury VW. **J R Coll Physicians Lond** 1981 Oct;15(4):259–61
[Family physician teacher and assistant-physician are both responsible for proper assistance to patient] **Ned Tijdschr Geneeskd** 1982 Jan 30;126(5):205–8 **(Dut)**

TRENDS

Locum services--the demise of family medicine? Fraser A. **Aust Fam Physician** 1982 May;11(5):348–50
Strategies for continuing care in general practice. Murtagh J. **Aust Fam Physician** 1982 May;11(5):332–7
Changes in general practice: do patients benefit? Arber S, et al. **Br Med J [Clin Res]** 1981 Nov 21;283(6303):1367–70
Changing face of general practice. Dickinson KG. **Br Med J [Clin Res]** 1981 Oct 10;283(6297):958–9
Practitioners' progress. Dickinson KG. **Br Med J [Clin Res]** 1981 Oct 17;283(6298):1028–30
Culling quietly. Nicol HG. **Br Med J [Clin Res]** 1981 Oct 24;283(6299):1091–2
The emergi-center and family practice in the 1980s. Corpron DO. **J Fam Pract** 1982 Jul;15(1):194–6
The general practitioner accoucheur in the 1980s. Bull MJ. **J R Coll Gen Pract** 1981 Jun;31(227):357–67
Why not abolish partnerships? Marks BE, et al. **J R Coll Gen Pract** 1981 Sep;31(230):561
Family practice: the renaissance is over. Stephens GG. **J R Coll Gen Pract** 1981 Aug;31(229):460–6
Future balance of care--the GP's view. Ball J. **R Soc Health J** 1981 Dec;101(6):226–8
General practice in rural Norway. Dean NM. **Scott Med J** 1981 Apr;26(2):150–4
[Definition problem in general medicine] Mössinger P. **ZFA (Stuttgart)** 1981 Nov 10;57(31):2146–54 **(Ger)**

UTILIZATION

A statistical study of physician care patterns in high school football injuries. Pritchett JW. **Am J Sports Med** 1982 Mar–Apr;10(2):96–9

FAMILY RELATIONSHIP see **FAMILY**

FAMILY SIZE see **FAMILY CHARACTERISTICS**

FAMILY THERAPY

Brief family therapy utilizing graph analysis. Paul KL. **Am Fam Physician** 1982 Feb;25(2):183–7
The family meets the hospital. Clinical presentation of a laboratory-based family typology. Costell RM, et al. **Arch Gen Psychiatry** 1982 Apr;39(4):433–8
The treatment of obsessional neurosis in a family setting. Hafner RJ, et al. **Aust NZ J Psychiatry** 1981 Jun; 15(2):145–51
Preventive intervention with infants in multi-risk-factor families. Nover RA, et al. **Child Today** 1981 Jul–Aug; 10(4):27–31
Familial treatment of severe adolescent problems. Berlin IN. **Curr Psychiatr Ther** 1981;20:61–9
Multiple family therapy and naltrexone in the treatment of opiate dependence. Anton RF, et al. **Drug Alcohol Depend** 1981 Sep;8(2):157–68
The aesthetic preference: overcoming the pragmatic error. Allman LR. **Fam Process** 1982 Mar;21(1):43–56
Expanding uses of the telephone in family therapy. Coppersmith EI. **Fam Process** 1980 Dec;19(4):411–7
Beyond homeostasis: toward a concept of coherence. Dell PF. **Fam Process** 1982 Mar;21(1):21–41
Some conceptual distinctions are more useful than others. de Shazer S. **Fam Process** 1982 Mar;21(1):71–84
Openness: a round-table discussion. Elkaïm M, et al. **Fam Process** 1982 Mar;21(1):57–70
The use of time limits in brief psychotherapy: a comparison of six-session, twelve-session, and unlimited treatment with families. Fisher SG. **Fam Process** 1980 Dec;19(4):377–92
On the right to choose one's own grandchildren. Haley J. **Fam Process** 1981 Sep;20(3):367–8
What is an epistemology of family therapy? Keeney BP. **Fam Process** 1982 Jun;21(2):153–68
Ecosystemic epistemology: critical implications for the aesthetics and pragmatics of family therapy. Keeney BP, et al. **Fam Process** 1982 Mar;21(1):1–19
Popularity or influence? The use of citation index to identify leaders in family therapy. L'Abate L, et al. **Fam Process** 1980 Dec;19(4):337–9
On the problems of eclecticism: a call for epistemologic clarification and human-scale theories. Liddle HA. **Fam Process** 1982 Jun;21(2):243–50
The single-case design in family therapy evaluation research. Rabin C. **Fam Process** 1981 Sep;20(3):351–66
Paradox as epistemological jump. Rosenbaum RL. **Fam Process** 1982 Mar;21(1):85–90
A theory of systems theories or the case of mistaken identity. Vieland C. **Fam Process** 1982 Jun;21(2):235–42
Problems with family therapy in a community mental health center. Wendorf RJ, et al. **Hosp Community Psychiatry** 1981 Dec;32(12):852–5
The relatives group: treatment for parents of adult chronic schizophrenics. Fink P. **Int J Group Psychother** 1981 Oct; 31(4):453–68
Phenomenon of early engagement in family therapy. Gerace L. **J Psychiatr Nurs** 1981 Apr;19(4):25–8
Family therapy for the multiple incest family. Miller V, et al. **J Psychiatr Nurs** 1981 Apr;19(4):29–32
Family therapy for the single-parent family system. Collison CR, et al. **J Psychosoc Nurs Ment Health Serv** 1982 Jul; 20(7):16–20
The use of family therapy in terminal illness and death. Tousley MM. **J Psychosoc Nurs Ment Health Serv** 1982 Jan;20(1):17–22
Why not be a family doctor? Tomson PR. **J R Coll Gen Pract** 1981 Aug;31(229):501
Brief family therapy with military families. Hicks PS. **Milit Med** 1981 Aug;146(8):573–6
Family management in the prevention of exacerbations of schizophrenia: a controlled study. Falloon IR, et al. **N Engl J Med** 1982 Jun 17;306(24):1437–40
Response structure in deviant child-parent relationships: implications for family therapy. Wahler RG, et al. **Nebr Symp Motiv** 1982;29:1–46 (74 ref.)
Perceptions of common and unusual first names of therapists. Gladding ST, et al. **Psychol Rep** 1982 Apr;50(2):595–601
[Experience in family therapy at the Clinic for Child Psychiatry, Bispebjerg Hospital] Hallund K, et al. **Ugeskr Laeger** 1981 Mar 30;143(14):893–6 (Eng. Abstr.) **(Dan)**
[The application of family therapy in an acute situation of threat of suicide in an adolescent (author's transl)] Philippe MF. **Neuropsychiatr Enfance Adolesc** 1981 Jul–Aug; 29(7):373–7 (Eng. Abstr.) **(Fre)**
[Family therapy. Hospitalization of the entire family] Ringstad T, et al. **Psychiatr Enfant** 1981;24(1):265–91 **(Fre)**
[Family counseling in the prevention of psychiatric disorders in children] Arajärvi T, et al. **Acta Paedopsychiatr (Basel)** 1981 Jun;47(2):81–9 (Eng. Abstr.) **(Ger)**
[Behavioral family therapy, counseling and treatment. II] Petermann F. **Ther Ggw** 1982 Jul;121(7):416–21 **(Ger)**
[Sexuality in adolescence--psychological and family therapeutic aspects (author's transl)] Ammann A. **Ther Umsch** 1982 Jun;39(6):434–7 (Eng. Abstr.) **(Ger)**
[Preliminaries on alcoholism and family therapy] Bruno V, et al. **Minerva Med** 1982 May 19;73(21):1473–80 **(Ita)**
[Psychological rehabilitation of patients with sequelae of encephalitis caused by arbovirus] Hallage AG. **Rev Saude Publica** 1981 Oct;15(5):478–84 (Eng. Abstr.) **(Por)**

EDUCATION

Challenges and promises of training women as family systems therapists. Caust BL, et al. **Fam Process** 1981 Dec; 20(4):439–47
Team family therapy training: conceptual and pragmatic considerations. Heath AW. **Fam Process** 1982 Jun; 21(2):187–94
Teaching the family system concept in family medicine. Christie-Seely J. **J Fam Pract** 1981 Sep;13(3):391–401
Family therapy in family practice: a solution to psychosocial problems? Fosson AR, et al. **J Fam Pract** 1982 Sep; 15(3):461–5

HISTORY

J.L. Moreno: An unrecognized pioneer of family therapy. Compernolle T. **Fam Process** 1981 Sep;20(3):331–5

METHODS

Comprehensive treatment of parents who abuse their children. Wodarski JS. **Adolescence** 1981 Winter; 16(64):959–72
Schizophrenia: group support for relatives. Thornton JF, et al. **Can J Psychiatry** 1981 Aug;26(5):341–4
Managing psychologic crises in children and their families [letter] Magni G. **Can Med Assoc J** 1982 Jul 15;127(2):111–2
Preventing placement: goal attainment in short-term family treatment. Fox R, et al. **Child Welfare** 1982 Apr;61(4):231–8
Bibliotherapy: adjunct to traditional counseling with children of stepfamilies. McInnis KM. **Child Welfare** 1982 Mar; 61(3):153–60
Interpersonal problem-solving therapy for schizophrenics and their families. Liberman RP, et al. **Compr Psychiatry** 1981 Nov–Dec;22(6):627–30

Hospitalization of single-parent families of disturbed children. Combrinck-Graham L, et al. **Fam Process** 1982 Jun;21(2):141-52

Helping mom fail: a case of a stalemated divorcing process. Isaacs MB. **Fam Process** 1982 Jun;21(2):225-34

Engaging 'resistant' families in treatment. Stanton MD, et al. **Fam Process** 1981 Sep;20(3):261-93

Anorexia Nervosa: the hospital's role in family treatment. Stern S, et al. **Fam Process** 1981 Dec;20(4):395-408

Convening strategies in family therapy. Teismann MW. **Fam Process** 1980 Dec;19(4):393-400

Family treatments of schizophrenia: background and state of the art. Beels CC, et al. **Hosp Community Psychiatry** 1982 Jul;33(7):541-50

Family participation in the community rehabilitation of schizophrenics. Boyd JL, et al. **Hosp Community Psychiatry** 1981 Sep;32(9):629-32

Culturally syntonic family therapy for migrant Puerto Ricans. Canino G, et al. **Hosp Community Psychiatry** 1982 Apr; 33(4):299-303

Recent developments in family therapy: a review. Clarkin JF, et al. **Hosp Community Psychiatry** 1982 Jul;33(7):550-6

Family orientation: initiating patients and their families to psychiatric hospitalization. Scharfstein B, et al. **Hosp Community Psychiatry** 1982 Jul;33(7):560-3

Process and content in the family-of-origin group. Beck RL. **Int J Group Psychother** 1982 Apr;32(2):233-44

Group interaction as a method of family therapy. Bhatti RS, et al. **Int J Group Psychother** 1982 Jan;32(1):103-14

Impact of multiple-family therapy approach on a parallel latency-age/parent group. Cunningham JM, et al. **Int J Group Psychother** 1982 Jan;32(1):91-102

Family therapy in the treatment of anorexia nervosa: theory and technique. Lagos JM. **Int J Psychiatry Med** 1981; 11(3):291-302

Leaving home, and the adolescent family therapist. Kraemer S. **J Adolesc** 1982 Mar;5(1):51-62

Family therapy with adolescents. Teichman Y. **J Adolesc** 1981 Mar;4(1):87-92

Treatment of the adopted adolescent: involvement of the biologic mother. Blotcky MJ, et al. **J Am Acad Child Psychiatry** 1982 May;21(3):281-5

Family therapy with adolescents: treatment of a teenage girl with globus hystericus and weight loss. Oberfield RA. **J Am Acad Child Psychiatry** 1981 Autumn;20(4):822-33

Family availability for the working alliance: a neglected area in child psychiatry training. Swift WJ. **J Am Acad Child Psychiatry** 1981 Autumn;20(4):810-21

The Puerto Rican family: cultural factors and family intervention strategies. Bird HR, et al. **J Am Acad Psychoanal** 1982 Apr;10(2):257-68

The Xhosa healers of Southern Africa: 3. A family therapy session with a dream as central content. Bührmann MV, et al. **J Anal Psychol** 1982 Jan;27(1):41-57

Factor structure of the Family Environment Scale: effects of social desirability. Fowler PC. **J Clin Psychol** 1982 Apr; 38(2):285-92

Relationship enhancement versus a traditional approach to therapeutic/preventative/enrichment parent-adolescent programs. Guerney B Jr, et al. **J Consult Clin Psychol** 1981 Dec;49(6):927-39

The family circle method for integrating family systems concepts in family medicine. Thrower SM, et al. **J Fam Pract** 1982 Sep;15(3):451-7

Major treatment issues and techniques in family therapy with the borderline adolescent. Danziger S. **J Psychosoc Nurs Ment Health Serv** 1982 Jan;20(1):27-34

Differential methods of family therapy in the treatment of alcoholism. Kaufman E, et al. **J Stud Alcohol** 1981 Nov; 42(11):951-71 (99 ref.)

Family therapy with single, young adults. Haber J. **Perspect Psychiatr Care** 1981 Sep-Dec;19(5-6):174-9

Art media: a means to therapeutic communication with families. Impey L. **Perspect Psychiatr Care** 1981 Mar-Apr; 19(2):70-7

Family treatment for the disturbed child? Sideleau BF, et al. **Perspect Psychiatr Care** 1981 Mar-Apr;19(2):78-86

[Family treatment of a young prepsychotic child] Aubert C, et al. **Acta Paedopsychiatr (Basel)** 1981 Nov; 47(4):197-205 (Eng. Abstr.) **(Fre)**

[About the systemic frame of psychotherapy] Brasseur F. **Acta Psychiatr Belg** 1981 Nov-Dec;81(6):542-79 (Eng. Abstr.) **(Fre)**

[Therapy and institutions: size and internal communications of the therapeutics framework system] Fivaz E, et al. **Ann Med Psychol (Paris)** 1981 Sep-Oct;139(8):853-68 (Eng. Abstr.) **(Fre)**

[Family therapy] Lebovici S. **Psychiatr Enfant** 1981; 24(2):541-83 **(Fre)**

[Approach of the family in general hospital psychiatry (author's transl)] Roche-Frechette D. **Sem Hop Paris** 1982 Apr 8;58(14):877-80 (Eng. Abstr.) **(Fre)**

[Combination of individual and family therapy in childhood psychosis. Case report on a 4 year therapy] Buddeberg B. **Acta Paedopsychiatr (Basel)** 1982 Jun;48(2-3):111-22 (Eng. Abstr.) **(Ger)**

[The influence of advice to the improvement of conflict-solving behaviour of parents to children (author's transl)] Mladek G. **Arztl Jugendkd** 1981;72(5):292-7 (Eng. Abstr.) **(Ger)**

[Family therapy - current status and prospects (author's transl)] Wirsching M. **Nervenarzt** 1982 Jan;53(1):1-6 **(Ger)**

[Ten years' activity in the day clinic with psychotic children and their families] Bettschart W. **Prax Kinderpsychol Kinderpsychiatr** 1982 Apr;31(3):87-92 (Eng. Abstr.) **(Ger)**

[Family therapy - theoretical conceptions and practical reality. Results of a survey] Gerhardt U. **Prax Kinderpsychol Kinderpsychiatr** 1981 Nov-Dec; 30(8):274-85 (Eng. Abstr.) **(Ger)**

[Family therapy. From psychoanalysis to psychosocial action] Pohlen M, et al. **Psyche (Stuttg)** 1982 May; 36(5):416-52 (Eng. Abstr.) **(Ger)**

[The effect of psychoanalysis on marriage and family therapy] Merl H. **Wien Med Wochenschr** 1981 Dec 31; 131(23-24):575-8 **(Ger)**

[Possible interferences in planned and unplanned transitions between single and family therapy] Ockel HH. **Z Psychosom Med Psychoanal** 1981 Oct-Dec;27(4):307-17 (Eng. Abstr.) **(Ger)**

[Complex psychotherapy of epileptic children in a psychiatric hospital] Kaubish VK, et al. **Zh Nevropatol Psikhiatr** 1981; 81(6):887-91 (Eng. Abstr.) **(Rus)**

TRENDS

[A current trend in psychotherapy: family therapy] Raymundo Macias A. **Ann Med Psychol (Paris)** 1981 Jun; 139(6):661-8 **(Fre)**

FAMOUS PERSONS

Blood tests showing nonpaternity-conclusive or rebuttable evidence? The Chaplin case revisited. Benson F. **Am J Forensic Med Pathol** 1981 Sep;2(3):221-3

Identification of the remains of John Paul Jones: a look at early methods. Eckert WG. **Am J Forensic Med Pathol** 1982 Jun;3(2):143-52

The Whitechapel murders: the case of Jack the Ripper. Eckert WG. **Am J Forensic Med Pathol** 1981 Mar; 2(1):53-60

The Elephant Man. Karp LE. **Am J Med Genet** 1981; 10(1):1-3

Past perfect: John Humphrey Noyes, stirpiculture, and the Oneida Community--part I. Karp LE. **Am J Med Genet** 1982 May;12(1):1-5

A tale of two paintings. Cohen B. **Ann R Coll Surg Engl** 1982 Jan;64(1):4-12

Conan Doyle as rheumatologist. Hart ED. **Ann Rheum Dis** 1982 Aug;41(4):437-8

Charles Lindbergh and the 'right stuff'. Logan RD. **Aviat Space Environ Med** 1982 Jul;53(7):708-11

Medical planning for a major event: the Pope's visit to Coventry Airport, 30 May 1982. Avery JG, et al. **Br Med J [Clin Res]** 1982 Jul 3;285(6334):51-3

Composers and tuberculosis: the effects on creativity. Abbott EC. **Can Med Assoc J** 1982 Mar 1;126(5):534, 536-8, 543-4

Recurrent infections, diarrhea, ascites and phonophobia in a 57-year-old man. Aterman K, et al. **Can Med Assoc J** 1982 Mar 15;126(6):623-8

John Janvier Black (1837-1909): an ornament to his profession. Higgins A. **Del Med J** 1982 Apr;54(4):233-7

The roots of wisdom. **Hosp Pract** 1982 May;17(5):207-8

The Curies: pioneers and victims of the atomic era. Bendiner E. **Hosp Pract** 1981 Dec;16(12):80, 82-4 passim

Medical illustration: our early years. Student days at Johns Hopkins, Evelyn Erickson Sullivan. Hodge GP. **J Biocommun** 1982 Mar;9(1):18-22

Thomas Wolfe: a psychiatric view. Brown CL Jr. **J Med Assoc State Ala** 1981 Oct;51(4):11-5

Clinical notes on His Excellency James Elisha 'Big Jim' Folsom-Governor of Alabama (1947-1951 and 1955-1959). Morris JT. **J Med Assoc State Ala** 1982 Jan;51(7):36, 39-41, 46

Li She-Chen (Shi-zhen). Han MT, et al. **JAMA** 1981 Oct 23-30;246(17):1923

Daniel Carl Solander. Kyle RA, et al. **JAMA** 1982 Oct 1; 248(13):1625

Chaim Weizmann. Kyle RA, et al. **JAMA** 1982 Sep 24; 248(12):1481

Paul Langevin. Kyle RA, et al. **JAMA** 1982 Oct 1; 248(13):1641

Schack August Steenberg Krogh. Kyle RA, et al. **JAMA** 1981 Nov 27;246(21):2446

Lev A. Artsimovich. Kyle RA, et al. **JAMA** 1982 Apr 9; 247(14):1998

Gregory of Tours. Shampo MA, et al. **JAMA** 1982 Sep 10; 248(10):1208

Alexander Popov. Shampo MA, et al. **JAMA** 1982 Sep 10; 248(10):1189

Li T:e-Hsu (Lin Ze-xu). Shampo MA, et al. **JAMA** 1981 Oct 16;246(16):1795

Richard Adolf Zsigmondy. Shampo MA, et al. **JAMA** 1981 Dec 4;246(22):2614

Michael Idvorsky Pupin. Shampo MA, et al. **JAMA** 1981 Dec 4;246(22):2572

Robert Boyle. Shampo MA, et al. **JAMA** 1982 Jan 22-29; 247(4):516

Aristotle. Shampo MA, et al. **JAMA** 1982 Jul 2;248(1):89

St Basil. Shampo MA, et al. **JAMA** 1982 Jun 25;247(24):3355

William Sidney Porter. Shampo MA, et al. **JAMA** 1982 Jul 16;248(3):365

Alexander the Great. Shampo MA, et al. **JAMA** 1982 Jul 2;248(1):70

Alexander Butlerov. Shampo MA, et al. **JAMA** 1982 Aug 6;248(5):589

André Marie Ampère. Shampo MA, et al. **JAMA** 1982 Aug 6;248(5):572

Hans Christian Orsted. Shampo MA, et al. **JAMA** 1982 Aug 27;248(8):939

Louis Jacques Thenard. Shampo MA, et al. **JAMA** 1982 Aug 13;248(6):676

James Clerk Maxwell. Shampo MA, et al. **JAMA** 1982 Aug 13;248(6):750

A president's assassination. Stevens RL. **JAMA** 1981 Oct 9; 246(15):1673-4

Napoleonic medicine. Jensen JE. **Md State Med J** 1981 Jul; 30(7):66-8

Tracking by telephone: locating the bullet in President Garfield, 1881. Roth N. **Med Instrum** 1981 May-Jun; 15(3):190

Wilson, strokes, and zebras. Marmor MF. **N Engl J Med** 1982 Aug 26;307(9):528-35

The century since Darwin [letter] Maynard-Smith J. **Nature** 1982 Apr 15;296(5858):599-601

The case of George Gershwin. Ljunggren B. **Neurosurgery** 1982 Jun;10(6 Pt 1):733-6

Trial of Daniel M'Naghten. Insanity defense, and its well-kept secret. Brody M. **NY State J Med** 1982 Mar; 82(3):381-6

Dickens and doctors; physicians in fiction of Charles Dickens. Dauber LG. **NY State J Med** 1981 Sep;81(10):1522-6

Van Gogh's illness. Ravin JG. **Ohio State Med J** 1981 Dec; 77(12):699-702

Laryngology: from Galen to Garcia. von Leden H. **Otolaryngol Head Neck Surg** 1982 Mar-Apr;90(2):226-32

From medicine to President [Sun Yat Sen] Dodds WR. **Practitioner** 1981 Sep;225(1359):1342-3

Did imprisonment ruin Oscar Wilde? Robins AH. **Practitioner** 1981 May;225(1355):773-5

Presidential address 1981. Life experiences and creativity of great composers: a psychosomaticist's view. Reichsman F. **Psychosom Med** 1981 Aug;43(4):291-300

Aristotle's knowledge in the field of natural and medical sciences (on celebrating 2300 years since his death). Pitskhelauri GZ. **Sante Publique (Bucur)** 1980;23(4):375-9

Cousins' account of self-cure rapped [news] Holden C. **Science** 1981 Nov 20;214(4523):892

Newton's malady [letter] Laker MR. **Science** 1982 Mar 5; 215(4537):1185-6

Robert Burns's illness revisited. Buchanan WW, et al. **Scott Med J** 1982 Jan;27(1):75-88

The cricket and the marionette. Smith RD. **South Med J** 1982 Jan;75(1):59-60

Brainstem hemorrhages and increased intracranial pressure: from Duret to computed tomography. Alexander E Jr, et al. **Surg Neurol** 1982 Feb;17(2):107-10

Harvey Cushing and Sven Hedin. Ljunggren B. **Surg Neurol** 1982 Mar;17(3):165-71

Life and death Tutankhamun from human genetic aspects. Czeizel A. **Ther Hung** 1980;28(1):40-3

Thomas Jefferson: founders of two medical schools. Thorup OA Jr. **Trans Am Clin Climatol Assoc** 1980;92:16-22

President's address. Captain James Cook (1728--1779). Explorations and the conquest of scurvy. Tilghman RC. **Trans Am Clin Climatol Assoc** 1980;92:1-15

Myth of quartan malaria [letter] Bruce-Chwatt LJ. **Trans R Soc Trop Med Hyg** 1982;76(1):133-4

The Jefferson-Dunglison grandfather clock. Wagner FB Jr. **Trans Stud Coll Physicians Phila** 1981 Jun;3(2):151-7

[Bernard Bolzano in the history of medicine (author's transl)] Daněk K. **Cas Lek Cesk** 1981 Sep 24;120(38):1160-3 **(Cze)**

[J.W. Goethe and Czech spa towns. 150th anniversary of the poet's death--March 22, 1832 (author's transl)] Křížek V. **Cas Lek Cesk** 1982 Jun 4;121(22):695-8 (Eng. Abstr.) **(Cze)**

[The insanity of King Charles VI of France] Lesný I. **Cas Lek Cesk** 1982 May 14;121(19):597-600 (Eng. Abstr.) **(Cze)**

[The English and French physicians of Napoleon III. Union Médicale du Canada, 1873] **Union Med Can** 1982 Mar; 111(3):253 **(Fre)**

[Observations on the identification of Holy Emmeram at St. Emmeram's Church in Regensburg. Critical comparison] Röhrer-Ertl O. **Anthropol Anz** 1981 Sep;39(3):173-88 (Eng. Abstr.) **(Ger)**

[Goethe from a physician's viewpoint] Donat K. **Fortschr Med** 1982 May 13;100(18):852-8 **(Ger)**

[The terata on the world map of Richard de Haldingham (about 1280). An attempt at an interpretation] Schierhorn H. **Gegenbaurs Morphol Jahrb** 1982;128(2):137-67 (Eng. Abstr.) **(Ger)**

[Kant's hygiene in old age] Dietsch H. **Med Welt** 1982 Apr 16;33(15):570-2 **(Ger)**

[The Schreber case (author's transl)] Schweighofer F. **Psychother Psychosom Med Psychol** 1982 Jan;32(1):4-8 (Eng. Abstr.) **(Ger)**

[The suicide problem in Stefan Zweig's works] Haenel T. **Schweiz Arch Neurol Neurochir Psychiatr** 1981; 129(2):297-314 (Eng. Abstr.) **(Ger)**

[Nelson's upper limb-amputation (author's transl)] Rüttimann B. **Z Orthop** 1982 Feb;120(1):86-8 **(Ger)**

[The illness of H. Heine. A controversy not resolved even after the 125th anniversary of the poet's death] Kenéz J. **Orv Hetil** 1982 May 16;123(20):1246-50 **(Hun)**

[The diseases of Babits preceding his tracheotomy] Szállási

A. **Orv Hetil** 1981 Sep 6;122(36):2235–9 **(Hun)**

[Blaise Pascal's prayer for the beneficial use of disease] Bèttica–Giovannini R. **Ann Osp Maria Vittoria Torino** 1979 Jul–Dec;22(7–12):420–5 **(Ita)**

[The collection of identifying photographs of Criminal Antropology Museum in Turin: the photography as document and evidence of Cesare Lombroso's work (author's transl)] Caffaratto AT. **Ann Osp Maria Vittoria Torino** 1980 Jul–Dec; 23(7–12):295–332 **(Ita)**

[St. Benedict of Norcia, patron saint of Europe, in medicine and in history] Daglio P. **Minerva Med** 1982 Sep 8; 73(34):2193–8 **(Ita)**

[Illness and death of King Władysław Jagiełło] Dudziński W. **Wiad Lek** 1981 May 15;34(10):859–61 **(Pol)**

[Death of King Władysław III of Varna] Dudziński W. **Wiad Lek** 1981 Jun 1;34(11):953–5 **(Pol)**

[Illness and death of king Jan Olbracht] Dudziński W. **Wiad Lek** 1981 Jul 1;34(13):1131–5 **(Pol)**

[Death of king Casimir IV] Dudziński W. **Wiad Lek** 1981 Jun 15;34(12):1041–4 **(Pol)**

[Illness and death of King Sigismund I] Dudziński W. **Wiad Lek** 1981 Aug 1;34(15):1317–22 **(Pol)**

[Illness and death of King Alexander Jagiellończyk] Dudziński W. **Wiad Lek** 1981 Jul 15;34(14):1227–32 **(Pol)**

[Illness and death of King Augustus III] Dudziński W. **Wiad Lek** 1981 Sep 1;34(17):1479–84 **(Pol)**

[Illness and death of King Sigismund II] Dudziński W. **Wiad Lek** 1981 Aug 15;34(16):1411–6 **(Pol)**

[Industrial hygiene and health protection for workers in the works of V. I. Lenin] Tarasenko NIu. **Gig Tr Prof Zabol** 1982 Apr;(4):1–3 **(Rus)**

[S. P. Botkin and Russian artists in music and painting] Arkhangel'skii GV. **Klin Med (Mosk)** 1982 May;60(5):112–7 **(Rus)**

[Physicians and medicine in the creative work of N. S. Leskov (on the 150th anniversary of the birth of the writer)] Arkhangel'skiĭ GV. **Klin Med (Mosk)** 1981 Oct; 59(10):114–7 **(Rus)**

[Works of Friedrich Schiller as a physician, his medical dissertations and disease (on the 175th anniversary of his death] Ionov IuV. **Klin Med (Mosk)** 1981 Jun;59(6):112–5 **(Rus)**

[A. S. Pushkin and his medical surroundings] Katsnel'bogen AG. **Klin Med (Mosk)** 1981 Dec;59(12):95–8 **(Rus)**

[Dostoevskiĭ and medicine] Skvortsov VIa, et al. **Klin Med (Mosk)** 1982 Feb;60(2):112–6 (21 ref.) **(Rus)**

[N. S. Leskov on public health problems (on the 150th anniversary of the birth of the writer)] Arkhangel'skiĭ GV. **Sov Zdravookhr** 1981;(10):63–5 **(Rus)**

[Medical note of the Decembrist A. O. Kornilovich] Katsnel'bogen AG. **Sov Zdravookhr** 1981;(11):62–4 **(Rus)**

[Lenin's theory of reflection and methodological problems of physiology and reflexotherapy] Durinian RA, et al. **Vestn Akad Med Nauk SSSR** 1981;(4):41–5 **(Rus)**

[Fundamental work on V. I. Lenin (on the publication of the 11th volume of the Biographical Chronicle)] Poutlov BM. **Voen Med Zh** 1981 Oct;(10):7–9 **(Rus)**

[Leo Tolstoy and psychiatry] Gurevich SA. **Zh Nevropatol Psikhiatr** 1981;81(9):1386–9 **(Rus)**

[Gustav Mahler's heart disease] Alonso HO. **Medicina (B Aires)** 1981;41(3):373–7 **(Spa)**

[Did Darwin suffer from Chagas' disease? (letter)] Castagnino HE, et al. **Medicina (B Aires)** 1981;41(2):263–4 **(Spa)**

[Dynamic psychotherapy and José Carlos Mariátegui] Alarco F. **Rev Neuropsiquiatr** 1979 Sep–Dec;42(3–4):145–64 (Eng. Abstr.) **(Spa)**

FANCONI SYNDROME

CHEMICALLY INDUCED

Lactic acidosis and Fanconi's syndrome due to degraded tetracycline. Montoliu J, et al. **Br Med J [Clin Res]** 1981 Dec 12;283(6306):1576–7

COMPLICATIONS

Multiple squamous–cell carcinomas in Fanconi's anemia. Kennedy AW, et al. **Cancer** 1982 Aug 15;50(4):811–4

Osteomalacia, pseudosacroiliitis and necrosis of the femoral heads in Fanconi syndrome in an adult. Gaucher A, et al. **J Rheumatol** 1981 May–Jun;8(3):512–5

A case of Fanconi syndrome with type 1 renal tubular acidosis. Sakai T, et al. **Jpn Circ J** 1981 Oct;45(10):1164–9

[Coexistence of liver glycogenosis, Fanconi's syndrome and abnormal galactose metabolism in a 3–year–old child] Klinowska W, et al. **Pol Tyg Lek** 1980 Dec 29; 35(52):2065–6 (Eng. Abstr.) **(Pol)**

[Fanconi syndrome with hepatic cirrhosis. Presentation of a case] Ortiz Méndez VM, et al. **Bol Med Hosp Infant Mex** 1981 Jan–Feb;38(1):169–75 (Eng. Abstr.) **(Spa)**

DIAGNOSIS

[Membranous glomerulonephritis in two brothers associated in one with tubulo–interstitial disease, Fanconi syndrome and anti–TBM antibodies (author's transl)] Dumas R, et al. **Arch Fr Pediatr** 1982 Feb;39(2):75–8 (Eng. Abstr.) **(Fre)**

DRUG THERAPY

[Successfully treated neurogenic muscle atrophy and osteomalacia in adult onset Fanconi syndrome *author's transl)] Hirose G, et al. **Rinsho Shinkeigaku** 1981 Aug; 21(8):698–705 (Eng. Abstr.) **(Jpn)**

ETIOLOGY

Benign monoclonal gammapathy associated with increased risk of Fanconi syndrome [letter] Jusdado Ruiz–Capillas JJ, et al. **Acta Med Scand** 1981;210(6):527–8

FAMILIAL & GENETIC

Familial Fanconi syndrome with malabsorption and galactose intolerance, normal kinase and transferase activity. A report on two siblings. Aperia G, et al. **Acta Paediatr Scand** 1981 Jul;70(4):527–33

A family with a dominant form of idiopathic Fanconi syndrome leading to renal failure in adult life. Patrick A, et al. **Clin Nephrol** 1981 Dec;16(6):289–92

The adult presenting idiopathic Fanconi syndrome. Brenton DP, et al. **J Inherited Metab Dis** 1981;4(4):211–5

IMMUNOLOGY

Unique amino acid sequences of Bence Jones proteins in the urine of patients with adult Fanconi syndrome. Seon BK. **Mol Immunol** 1982 Jan;19(1):83–6

METABOLISM

Fanconi syndrome and anesthesia. Joel M, et al. **Anesthesiology** 1981 Oct;55(4):455–6

Proline and glucose transport by renal membranes from dogs with spontaneous idiopathic Fanconi syndrome. Medow MS, et al. **Proc Natl Acad Sci USA** 1981 Dec; 78(12):7769–72

PHYSIOPATHOLOGY

Rejoining of DNA double–strand breaks in human fibroblasts and its impairment in one ataxia telangiectasia and two Fanconi strains. Coquerelle TM, et al. **J Supramol Struct Cell Biochem** 1981;17(4):369–76

The Fanconi syndrome and mechanisms of tubular transport dysfunction. Roth KS, et al. **Kidney Int** 1981 Dec; 20(6):705–16

FANCONI'S ANEMIA see under **ANEMIA, APLASTIC**

FANFT see under **THIAZOLES**

FANGOTHERAPY see **MUD THERAPY**

FANTASY

Capacities for integration, Oedipal ambivalence, and imaginary companions. Rucker NG. **Am J Psychoanal** 1981 Summer;41(2):129–37

A study of fantasy–based sexual arousal in women. Stock WE, et al. **Arch Sex Behav** 1982 Feb;11(1):33–47

The effect of stress imagery on arousal and its implications for biofeedback of the frontalis muscles. Passchier J, et al. **Biofeedback Self Regul** 1981 Sep;6(3):295–303

Freud's seduction theory. Its implications for fantasy and memory in psychoanalytic theory. Klein MI. **Bull Menninger Clin** 1981 May;45(3):185–208

Superman as a male latency stage myth. Lotterman A. **Bull Menninger Clin** 1981 Nov;45(6):491–8

Reality testing: a neurophysiological fantasy. Noshpitz JD. **Compr Psychiatry** 1982 Jan–Feb;23(1):25–32

Hypnotic susceptibility level and reading involvement. Baum D, et al. **Int J Clin Exp Hypn** 1981 Oct;29(4):366–74

An experimental study of psychoanalytic theories of depression. Slipp S, et al. **J Am Acad Psychoanal** 1981 Oct; 9(4):583–600

Hypochondriacal symptoms as derivatives of unconscious fantasies of being beaten or tortured. Broden AR, et al. **J Am Psychoanal Assoc** 1981;29(3):535–57

On love, dying together and Liebestod fantasies. Gediman HK. **J Am Psychoanal Assoc** 1981;29(3):607–30

Recognition of the familiar words of nursery rhymes by handicapped and non–handicapped infants. Glenn SM, et al. **J Child Psychol Psychiatry** 1982 Jul;23(3):319–27

The effects of stimulating symbiotic fantasies on manifest pathology in schizophrenics: a revised formulation. Mendelsohn EM. **J Nerv Ment Dis** 1981 Sep;169(9):580–90

Hypnotizability, daydreaming styles, imagery vividness, and absorption: a multidimensional study. Crawford HJ. **J Pers Soc Psychol** 1982 May;42(5):915–26

Consciousness of dying and projective fantasy of young children with malignant disease. Malone MM. **JDBP** 1982 Jun;3(2):55–60

The fantasy residue: an antitherapeutic force on the psychiatric inpatient service. Levine HB. **Psychiatry** 1982 Aug;45(3):262–9

[Scatophilic fantasies in prepuberty and Freud's stages of psycho–sexual development (author's transl)] Janzarik W. **Nervenarzt** 1982 Jan;53(1):25–32 **(Ger)**

[Plunge into the unconscious. Construction of dreams and day dreams in Arno Schmidt's novel, 'Kaff auch mare Crisium' (1960)] Drews J. **Psyche (Stuttg)** 1981 Dec; 35(12):1103–21 **(Ger)**

[Freud's fantasies of grandeur, his concept of the unconscious, and Viennese decadence] Erdheim M. **Psyche (Stuttg)** 1981 Nov;35(11):1006–33 (Eng. Abstr.) **(Ger)**

[Death fantasies in a group of uremic children] Blum de Gordillo B, et al. **Bol Med Hosp Infant Mex** 1982 Mar; 39(3):187–96 (Eng. Abstr.) **(Spa)**

FAO, UNITED NATIONS see **UNITED NATIONS**

FAR EASTERN RUSSIAN ENCEPHALITIS see **ENCEPHALITIS, TICK–BORNE**

FARMER'S LUNG

[Exogenous allergic alveolitis of farmers (farmer's lung) from the viewpoint of an alpine pulmologic practice] Frank A. **Wien Med Wochenschr [Suppl]** 1982;70:1–33 (89 ref.) (Eng. Abstr.) **(Ger)**

COMPLICATIONS

Jejunal villous changes associated with farmer's lung. Robinson TJ, et al. **Postgrad Med J** 1981 Nov; 57(673):697–701

DIAGNOSIS

Leukocyte migration inhibition in farmer's lung. Morell F, et al. **J Allergy Clin Immunol** 1982 May;69(5):405–9

Farmer's lung in an iron foundry. MacLeod IM, et al. **Scott Med J** 1982 Apr;27(2):154–7

[Four cases with farmer's lung disease in dairy farmers in Hokkaido district (author's transl)] Matsuzaki M, et al. **Nippon Kyobu Shikkan Gakkai Zasshi** 1981 May; 19(5):323–9 (Eng. Abstr.) **(Jpn)**

[Analysis of correlation of working environment and pulmonary diseases (author's transl)] Remškar Z, et al. **Plucne Bolesti Tuberk** 1981 Oct–Dec;33(4):307–14 (Eng. Abstr.) **(Ser)**

IMMUNOLOGY

Total selective deficiency of serum and secretory IgA associated with farmer's lung. Dalmasso F, et al. **Bronchopneumologie** 1980 Nov–Dec;30(6):545–55

Comparison of the enzyme–linked immunosorbent assay and double immunodiffusion test for the detection and quantitation of antibodies in farmer's lung disease. Marx JJ Jr, et al. **J Allergy Clin Immunol** 1982 Aug;70(2):109–13

[Some observations on farmer's lung (author's transl)] Ebner H, et al. **Wien Klin Wochenschr** 1981 Dec 11;93(23):729–33 (Eng. Abstr.) **(Ger)**

[Microbial sources of antigens in the environment of farmer's lung patients (author's transl)] Frank A, et al. **Wien Med Wochenschr** 1982 Feb 28;132(4):87–90 (Eng. Abstr.) **(Ger)**

OCCURRENCE

Precipitating antibodies to farmer's lung antigens in a Wisconsin farming population. Gruchow HW, et al. **Am Rev Respir Dis** 1981 Oct;124(4):411–5

PATHOLOGY

Splenic granulomas in Farmer's lund disease. An extrapulmonary manifestation of extrinsic allergic alveolitis. Venho KK, et al. **Acta Med Scand** 1982;211(5):413–4

The histologic appearance of farmer's lung [editorial] Hogg JC. **Chest** 1982 Feb;81(2):133–4

The pulmonary pathology of farmer's lung disease. Reyes CN, et al. **Chest** 1982 Feb;81(2):142–6

An electron–microscopic study of the airways in patients with farmer's lung. Heino M, et al. **Eur J Respir Dis** 1982 Jan;63(1):52–61

PHYSIOPATHOLOGY

Bronchial hyperreactivity to inhaled histamine in patients with farmer's lung. Mönkäre S, et al. **Lung** 1981; 159(3):145–51

FARNESOL

ANALOGS & DERIVATIVES

Role of metabolism of the mating pheromone in sexual differentiation of the heterobasidiomycete Rhodosporidium toruloides. Miyakawa T, et al. **J Bacteriol** 1982 Sep; 151(3):1184–94

[Laboratory testing of control of the Monomorium pharaonis L. ants with the use of juvenile hormones] Styczyńska B, et al. **Rocz Panstw Zakl Hig** 1981;32(2):169–74 (Eng. Abstr.) **(Pol)**

FASCIA

The tensor fascia lata myocutaneous flap in gynecologic oncology. Goldberg MI, et al. **Gynecol Oncol** 1981 Aug; 12(1):41–50

Scarpa's fascia hernia [letter] Sternberg A, et al. **N Engl J Med** 1982 Aug 26;307(9):561

[Progressive epifascial phlegmon] Gushcha AL, et al. **Vestn Khir** 1981 Dec;127(12):11–3 (Eng. Abstr.) **(Rus)**

ANATOMY & HISTOLOGY

Recent observations on the fasciae of the equine forelimb. Gyürü F. **Acta Vet Acad Sci Hung** 1981;29(1):91–110

Functional transformation of the fascia brachii lateralis and fascia antebrachii on the forelimb of sports horses. Gyürü F. **Acta Vet Acad Sci Hung** 1981;29(2):197–212

Fluid collections around the kidney. Shulman LA. **Australas Radiol** 1981 Nov;25(3):255–63

A fascial canal for the great saphenous vein: gross and microanatomical observations. Papadopoulos NJ, et al. **J Anat** 1981 May;132(Pt 3):321–9

[Contribution to the study of the vascularization of the fascia lata tensor muscle] Mairesse JL, et al. **Acta Anat (Basel)** 1981;110(3):270–6 (Eng. Abstr.) **(Fre)**

BLOOD SUPPLY

[Ischemic interfascial syndrome of the leg] Leydo R. **Chir Narzadow Ruchu Ortop Pol** 1981;46(4):329–32 **(Pol)**

ENZYMOLOGY

A comparative study of the activity of lysosomal and main metabolic pathway enzymes in tissue biopsies and cultured fibroblasts from Dupuytren's disease and palmar fascia. On the pathobiochemistry of connective tissue proliferation, I. Delbrück A, et al. **J Clin Chem Clin Biochem** 1981 Sep; 19(9):931–41

PATHOLOGY

A study of Dupuytren's tissue with the scanning electron microscope. Legge JW, et al. **J Hand Surg** 1981 Sep; 6(5):482–92

PHYSIOLOGY

Functional differentiation within the tensor fasciae latae. A telemetered electromyographic analysis of its locomotor roles. Paré EB, et al. **J Bone Joint Surg [Am]** 1981 Dec; 63-A(9):1457–71

[Muscular and tendinous changes induced by extension of superficial masseter aponeurosis] Prospéri O, et al. **Rev Odontostomatol (Paris)** 1982 Jan–Feb;11(1):49–59 **(Fre)**

SURGERY

Results in treating 88 cases of recurrent urinary stress incontinence with the Oxford fascia lata sling procedure. Beck RP, et al. **Am J Obstet Gynecol** 1982 Mar 15;142(6 Pt 1):649–51

Fasciotomy: an appraisal of controversial issues. Rollins DL, et al. **Arch Surg** 1981 Nov;116(11):1474–81

Long-term follow-up of fascia lata transfer for the paralytic hip in myelodysplasia. Bassett GS, et al. **J Bone Joint Surg [Am]** 1982 Mar;64(3):360–5

Ventral fasciotomy in the management of hepatic hemangioendothelioma. Ricketts RR, et al. **J Pediatr Surg** 1982 Apr;17(2):187–8

Involvement of Buck's fascia in congenital torsion of the penis. Corriere JN Jr. **J Urol** 1981 Sep;126(3):410–1

Comparison of SMAS plication with SMAS imbrication in face lifting. Webster RC, et al. **Laryngoscope** 1982 Aug;92(8 Pt 1):901–12

Fascial sling for stress urinary incontinence. Kaufman JM. **South Med J** 1982 May;75(5):555–8

Management of recurrent hernias with two parallel rows of four-layer fascioplasty. Badejo OA. **Trop Doct** 1982 Apr; 12(2):57–60

[Inguinal hernioplasty with fascialization of the internal oblique muscle of the abdomen (a preliminary report)] Belchev B. **Khirurgiia (Sofiia)** 1982;35(2):151–3 **(Bul)**

[Resection of calcinosis in deep cervical fascia for treatment of cervical spondylosis: report of 22 cases (author's transl)] Chen WC. **Chung Hua Wai Ko Tsa Chih** 1981 Dec; 19(12):732–4 (Eng. Abstr.) **(Chi)**

[Fascial closure of median laparotomies with a synthetic, resorbable suture material (polyglycolic acid)] Ullrich F, et al. **Chirurg** 1981 Dec;52(12):777–9 (Eng. Abstr.) **(Ger)**

[Results of lateral ligament surgery of the upper ankle and fascia lata] Kuny A, et al. **Z Unfallmed Berufskr** 1981; 74(1–2):81–4 **(Ger)**

[Tenoplasty with fascia late in spontaneous ruptures of the Achilles tendon] Battaglia L, et al. **Chir Organi Mov** 1979 Mar–Apr;65(2):141–6 **(Ita)**

[Surgical, biological and histological evaluation of radiation-sterilized Dallop-type muscle fascia prostheses] Pardela M, et al. **Polim Med** 1981;11(1):47–54 (Eng. Abstr.) **(Pol)**

TRANSPLANTATION

Usefulness of the innervated tensor fascia lata flap in paraplegic patients. Cochran JH Jr, et al. **Ann Plast Surg** 1981 Oct;7(4):286–8

Some biological properties of bovine trypsinized fascia xenografts. Komender A, et al. **Arch Immunol Ther Exp (Warsz)** 1981;29(4):485–9

Uses of fascia in ophthalmology and the benefits of autogenous sources. Crawford JS, et al. **J Pediatr Ophthalmol Strabismus** 1982 Jul–Aug;19(4):21–5

Freeze-dried fascia lata allografts: a review of 47 cases. Bright RW, et al. **J Pediatr Orthop** 1981;1(1):13–22

The use and fate of fascia lata and sclera in ophthalmic plastic and reconstructive surgery. Beyer CK, et al. **Ophthalmology (Rochester)** 1981 Sep;88(9):869–86

Surgical treatment of the denervated or sagging lower lid. Wiggs EO, et al. **Ophthalmology (Rochester)** 1982 May; 89(5):428–32

Use of the island tensor fasciae latae flap to cover a chest-wall defect. Katsaros J. **Plast Reconstr Surg** 1982 Jun;69(6):1007–9

The use of autogenous fascia lata to correct lid and orbital deformities. Flanagan JC, et al. **Trans Am Ophthalmol Soc** 1981;79:227–42

Peyronie's disease: excision of the plaque and grafting with tunica vaginalis. Dad S, et al. **Urol Clin North Am** 1982 Feb;9(1):197–201

[Tympanic epithelialization of autografts and preserved implants] Boedts D. **Rev Laryngol Otol Rhinol (Bord)** 1981 Sep–Oct;102(9–10):367–71 (Eng. Abstr.) **(Fre)**

[Ligament replacement plastic surgery of the upper ankle joint with a periosteum–fascia strip] Bühlmann H. **Helv Chir Acta** 1982 Jan;48(5):717–26 (Eng. Abstr.) **(Ger)**

ULTRASTRUCTURE

Ultrastructural relationship of skin to nodule and cord in Dupuytren's contracture. VandeBerg JS, et al. **Plast Reconstr Surg** 1982 May;69(5):835–44

[Eosinophilic fasciitis. Apropos of a case with an ultrastructural study] Bussière JL, et al. **Rev Rhum Mal Osteoartic** 1981 Oct;48(10):651–7 **(Fre)**

FASCIA LATA see under **FASCIA**

FASCICULAR BLOCK see **BUNDLE-BRANCH BLOCK**

FASCICULATION see under **NEUROLOGIC MANIFESTATIONS**

FASCIITIS

Necrotizing fasciitis. Brenner BE, et al. **Ann Emerg Med** 1982 Jul;11(7):384–6 (45 ref.)

Necrotizing fasciitis. Janevicius RV, et al. **Surg Gynecol Obstet** 1982 Jan;154(1):97–102 (44 ref.)

BLOOD

[Diffuse fasciite with eosinophilia : a new syndrome (author's transl)] Itzkowitch D, et al. **Rev Med Brux** 1981 Sep; 2(7):631–4 (Eng. Abstr.) **(Fre)**

[Eosinophilic fasciitis (editorial)] Berliner S, et al. **Harefuah** 1981 Jun 15;100(12):587–8 **(Heb)**

COMPLICATIONS

Eosinophilic fasciitis (Shulman syndrome) with prominent synovitis. Aelion JA, et al. **Isr J Med Sci** 1982 Jul; 18(7):793–7

Carpal tunnel syndrome in cutaneous connective tissue disease: generalized morphea, lichen sclerosus, fasciitis, discoid lupus erythematosus, and lupus panniculitis. Winkelmann RK, et al. **J Am Acad Dermatol** 1982 Jul; 7(1):94–9

Eosinophilic fasciitis complicated by carpal tunnel syndrome. Wollheim FA, et al. **J Rheumatol** 1981 Sep–Oct;8(5):856–60

[Dysimmune adenopathies with eosinophilic myositis and fasciitis (letter)] Dellamonica P, et al. **Nouv Presse Med** 1982 Feb 6;11(6):452–3 **(Fre)**

[Case of eosinophilic fasciitis with pericarditis] Cayla J, et al. **Rev Rhum Mal Osteoartic** 1981 Dec;48(12):809–12 **(Fre)**

[Fasciitis with eosinophilia and hypergammaglobulinaemia (author's transl)] Pompecki R, et al. **Dtsch Med Wochenschr** 1982 Jun 11;107(23):900–3 (Eng. Abstr.) **(Ger)**

[Fasciitis and eosinophilia—a scleroderma-like disease] Koppenwallner C, et al. **Internist (Berlin)** 1982 Mar; 23(3):168–70 **(Ger)**

DIAGNOSIS

Eosinophilic fasciitis. A case report and review of the literature. Gordon GV. **Cutis** 1981 Sep;28(3):268, 271–3

Necrotizing fasciitis of the upper extremity. Schecter W, et al. **J Hand Surg** 1982 Jan;7(1):15–20

Eosinophilic fasciitis and reflex sympathetic dystrophy syndrome [letter] Itzkowitch DF, et al. **J Rheumatol** 1981 May–Jun;8(3):528–7

Dupuytren's diathesis: a broad-spectrum disease. Wheeler ES, et al. **Plast Reconstr Surg** 1981 Nov;68(5):781–3

[Diffuse fasciitis with eosinophilia or Shulman's syndrome] Permin H. **Ugeskr Laeger** 1981 Jun 8;143(24):1533–4 (Eng. Abstr.) **(Dan)**

[Eosinophilic fasciitis (Shulman's syndrome)] Figueroa M, et al. **Rev Rhum Mal Osteoartic** 1981 Oct;48(10):659–61 **(Fre)**

[Fasciitis necroticans — erysipelas grangrenosum: two different clinical entities? (author's transl)] Thoma W, et al. **Z Hautkr** 1981 Jun 15;56(12):777–85 (Eng. Abstr.) **(Ger)**

DRUG THERAPY

Necrotizing fasciitis complicating intravenous drug abuse. Jacobson JM, et al. **Arch Intern Med** 1982 Mar;142(3):634–5

ETIOLOGY

Necrotizing fasciitis of the scalp. A complication of fetal monitoring. Siddiqi SF, et al. **Am J Dis Child** 1982 Mar; 136(3):226–8

Necrotizing fasciitis. Freeman HP, et al. **Am J Surg** 1981 Sep;142(3):377–83

Palmar fasciitis and polyarthritis associated with ovarian carcinoma. Medsger TA, et al. **Ann Intern Med** 1982 Apr; 96(4):424–31

Plantar fasciitis in runners. Taunton JE, et al. **Can J Appl Sport Sci** 1982 Mar;7(1):41–4

Neck pain, fever after biting a 'sausage bone'. Schneidler-Brodsky C, et al. **Hosp Pract** 1982 Mar; 17(3):56–61

Perforated sigmoid diverticulum with necrotizing fasciitis of the abdominal wall. Harrison BJ. **J R Soc Med** 1981 Aug; 74(8):625–6

Necrotizing fasciitis–a disease of temperate and warm climates. Seal DV, et al. **Trans R Soc Trop Med Hyg** 1982; 76(3):392–5

[Necrotizing fasciitis in childhood] Kleszky M, et al. **Orv Hetil** 1981 Jul 5;122(27):1657–8 **(Hun)**

IMMUNOLOGY

[Eosinophilic fascilitis with IgG deposition around the muscle fiber (author's transl)] Tsuchida T, et al. **Nippon Hifuka Gakkai Zasshi** 1981;91(12):1311–9 **(Jpn)**

MICROBIOLOGY

Variably acid-fast bacteria in a case of systemic sarcoidosis and hypodermitis sclerodermiformis. Cantwell AR Jr. **Dermatologica** 1981;163(3):239–48

Necrotizing skin and subcutaneous infections. LeFrock JL, et al. **J Antimicrob Chemother** 1982 Jan;9 Suppl A:183–92

MORTALITY

Necrotizing fasciitis of perineum. Oh C, et al. **Surgery** 1982 Jan;91(1):49–51

PATHOLOGY

Granulomatosis vasculitis in the syndrome of diffuse fasciitis with eosinophilia. Lewkonia RM, et al. **Arch Intern Med** 1982 Jan;142(1):73–5

Eosinophilic fasciitis. Immunopathology, ultrastructure, literature review, and consideration of its pathogenesis and relation to scleroderma. Cramer SF, et al. **Arch Pathol Lab Med** 1982 Feb;106(2):85–91 (43 ref.)

Proliferative fasciitis: ultrastructural study of two cases. Craver JL, et al. **Arch Pathol Lab Med** 1981 Oct; 105(10):542–5

Nodular (pseudosarcomatous) fasciitis, a nonrecurrent lesion: clinicopathologic study of 134 cases. Bernstein KE, et al. **Cancer** 1982 Apr 15;49(8):1668–78

Submucosal nodular fasciitis arising within the buccal area. Report of case. Sato M, et al. **Int J Oral Surg** 1981 Jun; 10(3):210–3

Eosinophilic fasciitis: an ultrastructural and immunohistochemical study of the intermediate filament protein skeletin in regenerating muscle fibres. Thornell LE, et al. **Neuropathol Appl Neurobiol** 1981 Nov–Dec; 7(6):435–49

Gangrenous erysipelas and necrotizing fasciitis. Occurrence in elderly white women in the Pretoria area, with a study of some effects on blood coagulation. Findlay GH, et al. **S Afr Med J** 1982 Jul 24;62(4):125–31

Eosinophilic fasciitis. Ultrastructural study of an early biopsied case. Janin-Mercier A, et al. **Virchows Arch [Pathol Anat]** 1981;394(1–2):177–84

[Eosinophilic fasciitis. Apropos of a case with an ultrastructural study] Bussière JL, et al. **Rev Rhum Mal Osteoartic** 1981 Oct;48(10):651–7 **(Fre)**

[Diagnosis of Shulman syndrome by percutaneous needle biopsy] Vinceneux P, et al. **Rev Rhum Mal Osteoartic** 1982 Mar 25;49(4):307–8 **(Fre)**

[Diffuse fasciitis with eosinophilia] Mensing H, et al. **MMW** 1982 Jun 25;124(25):617–8 **(Ger)**

[Diffuse fasciitis with eosinophilia (Shulman-syndrome) (author's transl)] Mensing H, et al. **Z Hautkr** 1982 May 15;57(10):707–17 **(Ger)**

[Immunohistochemical and ultrastructural aspects of nodular fasciitis] Fedeli F, et al. **Pathologica** 1980 Sep–Oct; 72(1021):605–12 (Eng. Abstr.) **(Ita)**

[Eosinophilic fasciitis. Study of 1 patient] Martínez Ortiz de Zárate JM, et al. **Rev Clin Esp** 1982 Jan 15;164(1):61–3 **(Spa)**

PHYSIOPATHOLOGY

Necrotizing fasciitis. A literature review. Rattan NP, et al. **J Am Podiatry Assoc** 1982 Mar;72(3):122–4

SURGERY

The complicated septic abdominal wound. Kendrick JH, et al. **Arch Surg** 1982 Apr;117(4):464–8

Necrotizing fasciitis of the head and neck. Ward NO, et al. **Ariz Med** 1982 Jun;39(6):390–3

Necrotizing fasciitis of the upper extremity. Schecter W, et al. **J Hand Surg** 1982 Jan;7(1):15–20

The reconstruction of defects of the abdominal wall with split thickness skin grafts. Gervin AS, et al.

Surg Gynecol Obstet 1982 Sep;155(3):412–4
Cranio-spinal fasciitis in infancy. Eckstein HB, et al. Z Kinderchir 1982 May;36(1):23–6
[Necrotizing fasciitis in a newborn (author's transl)] Appell RG, et al. Z Kinderchir 1981 Feb;32(2):175–8 (Eng. Abstr.) (Ger)

THERAPY

Cervical necrotizing fasciitis. Gallia LJ, et al. Otolaryngol Head Neck Surg 1981 Nov–Dec;89(6):935–7
Necrotizing fasciitis. Rhyne L, et al. South Med J 1981 Sep; 74(9):1043–4
[Fasciitis necrotisans] Szili M, et al. Orv Hetil 1981 Jul 26; 122(30):1849–50 (Hun)

FASCIOLA

DRUG EFFECTS

Fasciolicidal potential of proline analogues and proline biosynthesis inhibitors. Sheers M, et al. Int J Parasitol 1982 Feb;12(1):47–52
In vitro effect of nitroxynil (Trodax) and rafoxanide on adult Fasciola gigantica. Ogunrinade A, et al. Rev Elev Med Vet Pays Trop 1981;34(1):43–5
Effect of sodium benzene sulphonate on adults and eggs of Lymnaea natalensis and miracidia of Fasciola gigantica. Cheruiyot HK. Vet Rec 1982 Jan 2;110(1):17

GROWTH & DEVELOPMENT

A method for laboratory maintenance of Lymnaea natalensis and for mass production of Fasciola gigantica metacercariae. Madsen H, et al. J Parasitol 1981 Oct; 67(5):735–7
Biological control of liver fluke. Whitelaw A, et al. Vet Rec 1982 May 22;110(21):500–1

IMMUNOLOGY

Antigenic comparison among several developmental stages of fasciola sp. Yoshihara S, et al. Nippon Juigaku Zasshi 1981 Oct;43(5):699–707

FASCIOLA HEPATICA

An approach to the production of helminth antigens in vitro: the formation of hybrid cells between Fasciola hepatica and a rat fibroblast cell line. Howell MJ. Int J Parasitol 1981 Jun;11(3):235–42
[Experimental studies on the generalized amoebocytic reaction in Lymnaea truncatula Müller infected by Fasciola hepatica L. (author's transl)] Rondelaud D, et al. Ann Parasitol Hum Comp 1981;56(6):593–606 (Eng. Abstr.) (Fre)

ANALYSIS

[Identification of the catecholamines in tissue extracts of the trematode, Fasciola hepatica] Terenina NB. Zh Evol Biokhim Fiziol 1981 Jul–Aug;17(4):342–7 (Eng. Abstr.) (Rus)

DRUG EFFECTS

A comparison of the activity of uncouplers of oxidative phosphorylation against the common liver fluke Fasciola hepatica. Campbell AJ, et al. Mol Biochem Parasitol 1981 Dec;4(3–4):139–47
[Suppression of mitochondrial respiration in Fasciola hepatica by dioxydiphenylsulfide derivatives] Savchenko AV, et al. Med Parazitol (Mosk) 1981 Nov–Dec;50(6):52–5 (Eng. Abstr.) (Rus)

ENZYMOLOGY

Biosynthesis of A, H, and Lewis blood group determinants in Fasciola hepatica. Ben-Ismail R, et al. J Parasitol 1982 Jun;68(3):402–7
Electrophoretic studies on enzymes in the Japanese common liver fluke, Fasciola sp. I. Enzyme variations in the natural population. Agatsuma T, et al. Jpn J Med Sci Biol 1980 Oct;33(5):249–54
Mechanism of action of MK-401 against Fasciola hepatica: inhibition of phosphoglycerate kinase. Schulman MD, et al. Mol Biochem Parasitol 1982 Mar;5(3):133–45
Purification, characterization and inhibition by MK-401 of Fasciola hepatica phosphoglyceromutase. Schulman MD, et al. Mol Biochem Parasitol 1982 May;5(5):321–32

GENETICS

Preparation and in vitro translation of mRNA from Fasciola hepatica. Irving DO, et al. Mol Biochem Parasitol 1981 Dec 31;4(5–6):337–48

GROWTH & DEVELOPMENT

Effects of fluometuron on embryonic development and hatching of Fasciola hepatica's Miracidia. Christian FA, et al. Bull Environ Contam Toxicol 1982 Mar;28(3):353–7
The geographical distribution of common liver flukes (the genus Fasciola) with normal and abnormal spermatogenesis. Terasaki K, et al. Nippon Juigaku Zasshi 1982 Apr;44(2):223–31
An analysis of variations in the age structure of Fasciola hepatica populations in sheep. Smith G. Parasitology 1982 Feb;84(1):49–61
The development of the host-response in juvenile Lymnaea palustris to invasion by Fasciola hepatica. McReath AM, et al. Z Parasitenkd 1982;67(2):175–84
The development of the amoebocyte-producing organ in Lymnaea truncatula Müller infected by Fasciola hepatica L. Rondelaud D, et al. Z Parasitenkd 1981;65(3):331–41
Improved culture of Fasciola hepatica in vitro. Smith MA, et al. Z Parasitenkd 1981;66(1):9–15

IMMUNOLOGY

Can we vaccinate against schistosomes? An update five years later. Hillyer GV. Bol Asoc Med PR 1981 Apr;73(4):150–61
Fasciola hepatica: immunisation of rats by intraperitoneal injection of adult fluke antigen in Freund's adjuvant. Oldham G, et al. Exp Parasitol 1982 Aug;54(1):7–11
Immunoperoxidase localization of Fasciola hepatica worm tegument antigens by electron microscopy. Demaree RS Jr, et al. Int J Parasitol 1982 Jun;12(2–3):179–83
Isolation of Fasciola hepatica tegument antigens. Hillyer GV. J Clin Microbiol 1980 Nov;12(5):695–9
Cross protection in infections due to Schistosoma mansoni using tegument antigens of Fasciola hepatica. Hillyer GV, et al. J Infect Dis 1982 May;145(5):728–32
Fasciola hepatica: antibody coating of juvenile flukes in the intestinal lumen of resistant rats. Burden DJ, et al. Res Vet Sci 1982 Jan;32(1):44–7
In vitro cell adherence to newly excysted Fasciola hepatica: failure to affect their subsequent development in rats. Doy TG, et al. Res Vet Sci 1982 Jan;32(1):118–20
Antigen sharing between Fasciola hepatica and human erythrocytes. Ben-Ismail R, et al. Tropenmed Parasitol 1982 Mar;33(1):11–4
Fasciola hepatica: attempts to immunise rats and mice with metabolic and somatic antigens derived from juvenile flukes. Burden DJ, et al. Vet Parasitol 1982 Feb; 9(3–4):261–6
Precipitating antibodies against excretory/secretory antigens of Fasciola hepatica in sheep serum. Sandeman RM, et al. Vet Parasitol 1981 Oct;9(1):35–46
Further studies on resistance to Fasciola hepatica and Echinostoma revolutum in mice infected with Schistosoma sp. Christensen NO, et al. Z Parasitenkd 1981;65(3):293–8
[Immunodiffusion studies of the complete somatic antigens of Paramphistomum sp. and Fasciola hepatica] Bratanov V, et al. Vet Med Nauki 1981;18(5):8–15 (Eng. Abstr.) (Bul)

METABOLISM

Effect of adenylate cyclase activators and Mg2+ on the binding and the electron spin resonance spectra of N-methylmaleimide nitroxide in membrane particles from the liver fluke Fasciola hepatica. Du ZH, et al. Biochim Biophys Acta 1982 May 7;687(2):257–64
The aerobic energy metabolism of the juvenile Fasciola hepatica. Tielens AG, et al. Mol Biochem Parasitol 1981 Aug;3(4):205–14

PHYSIOLOGY

The prepatent and patent periods of Fasciola hepatica in cattle in Puerto Rico. de León D, et al. J Parasitol 1981 Oct;67(5):734–5
Facioliasis: is the anemia caused by hematophagia? Spengler RN, et al. J Parasitol 1981 Dec;67(6):886–92
Unusually large eggs of a Fasciola hepatica strain. Düwel D. Z Parasitenkd 1982;67(1):121–4

RADIATION EFFECTS

Antibody response in cattle, sheep and rats to infection with gamma-irradiated metacercariae of Fasciola hepatica. Hughes DL, et al. Res Vet Sci 1982 May;32(3):354–8

ULTRASTRUCTURE

Scanning electron microscopy of in vitro serum-mediated destruction of juvenile Fasciola hepatica. Eckblad WP, et al. J Parasitol 1981 Dec;67(6):784–9

FASCIOLIASIS

BLOOD

The role of the thymus in the eosinophil response of rats infected with Fasciola hepatica. Doy TG, et al. Clin Exp Immunol 1982 Jan;47(1):74–6

COMPLICATIONS

Facioliasis: is the anemia caused by hematophagia? Spengler RN, et al. J Parasitol 1981 Dec;67(6):886–92
[Mitral valve insufficiency secondary to endocardial fibrosis associated with distomatosis] Potier JC, et al. Arch Mal Coeur 1981 Dec;74(12):1471–5 (Eng. Abstr.) (Fre)
[Liver fasciolíasis with unusual abscess formation. Case report] Stürchler D, et al. Schweiz Med Wochenschr 1981 Oct 17;111(42):1578–82 (Eng. Abstr.) (Ger)

ENZYMOLOGY

Decrease of the in vitro drug-metabolizing activity of the hepatic mixed function oxidase system in rats infected experimentally with Fasciola hepatica: pharmacological implications. Maffei Facino R, et al. Pharmacol Res Commun 1981 Sep;13(8):731–42

IMMUNOLOGY

Clonal parasites in the analysis of resistance to reinfection with Fasciola hepatica. Chapman CB, et al. Am J Trop Med Hyg 1981 Sep;30(5):1039–42
Fasciola hepatica: immunisation of rats by intraperitoneal injection of adult fluke antigen in Freund's adjuvant. Oldham G, et al. Exp Parasitol 1982 Aug;54(1):7–11
Fasciola hepatica: comparative studies on fascioliasis in rats and mice. Chapman CB, et al. Int J Parasitol 1982 Feb; 12(1):81–91
The peroxidase anti-peroxidase technique for the demonstration of immunoglobulin G in rat livers infected with Fasciola hepatica. Sinclair IJ, et al. J Comp Pathol 1981 Oct;91(4):573–9
Effect of Schistosoma mansoni infections on challenge infections with Fasciola hepatica in mice. Hillyer GV. J Parasitol 1981 Oct;67(5):731–3
[Dysimmune lymphadenopathy associated with distomatosis. Detection of circulating antigens by immunoenzymology] Schuh D, et al. Rev Med Interne 1981;2(4):379–81 (Eng. Abstr.) (Fre)

METABOLISM

Loss of substrate binding capacity of the hepatic microsomal cytochrome P-450 in Fasciola hepatica infected rats: toxicological implications. Maffei Facino R, et al. Farmaco [Sci] 1982 Mar;37(3):184–91
[Changes in the liver lipids of rats with fascioliasis and in fascioliasis combined with protein-calorie malnutrition] Bercheva M. Eksp Med Morfol 1981;20(3):151–5 (Eng. Abstr.) (Bul)

OCCURRENCE

Fascioliasis in Puerto Rico: a review. Hillyer GV. Bol Asoc Med PR 1981 Mar;73(3):94–101
Human fascioliasis in Corozal, Puerto Rico. Bendezú P, et al. J Parasitol 1982 Apr;68(2):297–9
[Epidemiological studies on 121 case of human fascioliasis occurring during 25 years (author's transl)] Rondelaud D, et al. Bull Soc Pathol Exot Filiales 1982 May–Jul; 75(3):291–300 (Eng. Abstr.) (Fre)

PATHOLOGY

Fasciola hepatica: a technique for the study of gut penetration by juvenile flukes. Burden DJ, et al. Parasitology 1981 Oct; 83(Pt 2):249–52
A study of the initiation of biliary hyperplasia in rats infected with Fasciola hepatica. Foster JR. Parasitology 1981 Oct; 83(Pt 2):253–8

PREVENTION & CONTROL

Attempts to immunize rats against infection with Fasciola hepatica using in vitro culture antigens from newly excysted metacercariae. Davies C, et al. Res Vet Sci 1979 Mar;26(2):259–60

RADIOGRAPHY

Pulmonary infiltrates as first sign of infection by Fasciola hepatica. Flores M, et al. Eur J Respir Dis 1982 May; 63(3):231–3

VETERINARY

Anthelmintic efficacy of albendazole in calves with naturally acquired Fasciola hepatica infections. Bradley RE, et al. Am J Vet Res 1981 Jun;42(6):1062–4
Efficacy of albendazole for treatment of naturally acquired fasciola hepatica in calves. Malone JB, et al. Am J Vet Res 1982 May;43(5):879–81
Prevalence of Fasciola hepatica infection in native mammals in southeastern Australia. Spratt DM, et al. Aust J Exp Biol Med Sci 1981 Dec;59(Pt 6):713–21
Clinico-pathological studies on naturally-occurring bovine fascioliasis in India. Kumar M, et al. Br Vet J 1982 May–Jun;138(3):241–6
A three-year study of Lymnaea truncatula habitats, disease foci of fasciliasis. Smith G. Br Vet J 1981 Jul–Aug; 137(4):398–410
Fasciola hepatica: IgG and IgA levels in the serum and bile of infected cattle. Hughes DL, et al. Exp Parasitol 1981 Oct;52(2):271–9
Clinical fascioliasis in domestic goats in Montana. Leathers CW, et al. J Am Vet Med Assoc 1982 Jun 15;180(12):1451–4
Experimental oral Salmonella dublin infection in cattle: effects of concurrent infection with Fasciola hepatica. Hall GA, et al. J Comp Pathol 1981 Apr;91(2):227–33
Red blood cell survival and faecal clearance in sheep infected with Fasciola gigantica. Ogunrinade AF, et al. J Comp Pathol 1981 Jul;91(3):381–5
Resistance to Fasciola hepatica in sheep harbouring primary Schistosoma bovis infections. Monrad J, et al. J Helminthol 1981 Dec;55(4):261–71
The prepatent and patent periods of Fasciola hepatica in cattle in Puerto Rico. de León D, et al. J Parasitol 1981 Oct;67(5):734–5

An analysis of variations in the age structure of Fasciola hepatica populations in sheep. Smith G. **Parasitology** 1982 Feb;84(1):49–61
Responses of fluke-infected and fluke-free cattle to experimental reinfection with Salmonella dublin. Aitken MM, et al. **Res Vet Sci** 1981 Jul;31(1):120–6
Fasciola hepatica: antibody coating of juvenile flukes in the intestinal lumen of resistant rats. Burden DJ, et al. **Res Vet Sci** 1982 Jan;32(1):44–7
Antibody response in cattle, sheep and rats to infection with gamma-irradiated metacercariae of Fasciola hepatica. Hughes DL, et al. **Res Vet Sci** 1982 May;32(3):354–8
Bovine fascioliasis in Nigeria—intercurrent parasitic and bacterial infections. Ogunrinade A, et al. **Trop Anim Health Prod** 1982 May;14(2):121–5
Fasciola hepatica: attempts to immunise rats and mice with metabolic and somatic antigens derived from juvenile flukes. Burden DJ, et al. **Vet Parasitol** 1982 Feb; 9(3–4):261–6
Precipitating antibodies against excretory/secretory antigens of Fasciola hepatica in sheep serum. Sandeman RM, et al. **Vet Parasitol** 1981 Oct;9(1):35–46
Further studies in the control of ovine fascioliasis by strategic dosing. Whitelaw A, et al. **Vet Rec** 1981 Aug 8;109(6):118–9
Plasma ascorbic acid levels in sheep experimentally infected with Fasciola hepatica. Gameel AA. **Z Parasitenkd** 1982; 66(3):321–6
[Effectiveness of Zanil and Acedist in the control of fasciliasis in sheep] Grzywiński L. **Wiad Parazytol** 1981; 27(4–5):637–40 (Eng. Abstr.) (Pol)

FASCIOLIDAE

GROWTH & DEVELOPMENT

Miracidial penetration in Fascioloides magna (Trematoda). Coil WH. **Z Parasitenkd** 1981;65(3):299–307

FASCIOLOIDES see FASCIOLIDAE

FASCIOLOIDIASIS

DIAGNOSIS

Fascioloides magna in cattle [letter] Arundel JH, et al. **Aust Vet J** 1982 Jan;58(1):35–6

FASCIOLOPSIASIS see TREMATODE INFECTIONS

FASCIOLOPSIS see FASCIOLIDAE

FAST ELECTRONS see ELECTRONS

FAST NEUTRONS see under NEUTRONS

FASTING

see related
HUNGER
STARVATION

Effect of indomethacin on the metabolic and hormonal response to a standardized breakfast in normal subjects. Luyckx AS, et al. **Acta Diabetol Lat** 1981 Jul–Sep; 18(3):259–66
Effects of fasting on thyroid hormone levels and kinetics of reverse triiodothyronine in cattle. Blum JW, et al. **Acta Endocrinol (Copenh)** 1981 Oct;98(2):234–9
The effect of starvation and refeeding with oral versus intravenous glucose on serum 3,5-,3,3'-and 3'-5'-diiodothyronine and 3'-monoiodothyronine. Jaedig S, et al. **Acta Endocrinol (Copenh)** 1982 Jul;100(3):388–92
Metabolic and hormonal effects of fasting in obese children. Molnár D, et al. **Acta Paediatr Acad Sci Hung** 1982; 23(1):45–50
In vivo regulation of hepatic glutathione synthesis: effects of food deprivation or glutathione depletion by electrophilic compounds. Lauterburg BH, et al. **Adv Exp Med Biol** 1981;136 Pt A:453–61
Ionizing irradiation and fasting in the rat. I. Effect on thyroid hormones. Sonka J, et al. **Agressologie** 1982 Apr;23(2):75–7
Ionizing irradiation and fasting in the rat. II. Effect on energy metabolism. Wilhelm J, et al. **Agressologie** 1982 Apr; 23(2):79–81
Refeeding after fasting in the rat: effects on body composition and food efficiency. Björntorp P, et al. **Am J Clin Nutr** 1982 Sep;36(3):444–9
Refeeding after fasting in the rat: energy substrate fluxes and replenishment of energy stores. Björntorp P, et al. **Am J Clin Nutr** 1982 Sep;36(3):450–6
Changes in certain blood constituents during Ramadan. Fedail SS, et al. **Am J Clin Nutr** 1982 Aug;36(2):350–3
Consequences of modified fasting in obese pediatric and adolescent patients: effect of a carbohydrate-free diet on serum proteins. Merritt RJ, et al. **Am J Clin Nutr** 1981 Dec;34(12):2752–5
Human fetal breathing movements after carbohydrate ingestion in fasting and nonfasting subjects. Fox HE, et al. **Am J Obstet Gynecol** 1982 Sep 15;144(2):213–7
Blood chemistry homeostasis during prolonged fasting in the northern elephant seal. Costa DP, et al. **Am J Physiol** 1982 May;242(5):R591–5
Insulin binding and action in isolated rat hepatocytes: effect of obesity and fasting. Frank HJ, et al. **Am J Physiol** 1982 Sep;243(3):E240–5
Protein wasting due to acidosis of prolonged fasting. Hannaford MC, et al. **Am J Physiol** 1982 Sep;243(3):E251–6
Influence of nutritional state on periodicity in plasma insulin levels in monkeys. Hansen BC, et al. **Am J Physiol** 1982 Mar;242(3):R255–60
Impact of hydrogen ion on fasting ketogenesis: feedback regulation of acid production. Hood VL, et al. **Am J Physiol** 1982 Mar;242(3):F238–45
Body composition, energy expenditure, and plasma metabolites in long-term fasting geese. Le Maho Y, et al. **Am J Physiol** 1981 Nov;241(5):E342–54
Effect of fasting and refeeding on pancreatic enzymes and secretagogue responsiveness in rats. Lee PC, et al. **Am J Physiol** 1982 Mar;242(3):G215–21
Sympathetic and thyroid influences on metabolic rate in fed, fasted, and refed rats. Rothwell NJ, et al. **Am J Physiol** 1982 Sep;243(3):R339–46
Intestinal phospholipase A and triglyceride lipase: localization and effect of fasting. Shakir KM, et al. **Am J Physiol** 1982 Feb;242(2):G168–76
Modulation by adrenalectomy and fasting of insulin effects in perfused hindlimb muscle. Shikama H, et al. **Am J Physiol** 1982 May;242(5):E323–9
Beta-adrenergic blockade inhibits thermogenesis and lipolysis during glucoprivation in humans. Welle SL, et al. **Am J Physiol** 1982 Sep;243(3):R379–82
Influences of sequences of environmental factors on the response of chickens to fasting and to Staphylococcus aureus infection. Gross WB, et al. **Am J Vet Res** 1982 Jan; 43(1):137–9
Pre-operative starvation in children. The role of alanine in blood glucose homeostasis. Allison CW, et al. **Anaesthesia** 1982 Mar;37(3):274–7
Ultrastructural stereologic analysis of fetal rabbit type II alveolar epithelial cells following maternal pilocarpine treatment or fasting. Smith DM, et al. **Anat Rec** 1982 Jan; 202(1):23–31
Effects of prior fasting and of glucose availability on fatty-acid-induced increases in oxygen consumption in the rat perfused liver. Bradley JR, et al. **Ann Nutr Metab** 1982; 26(1):37–43
Effect of short term fasting on plasma composition of lactating rats. Remesar X, et al. **Arch Int Physiol Biochim** 1981 Sep;89(3):217–23
Proaggregatory effect of fasting on platelet aggregation in the microcirculation of mice with streptozotocin diabetes. Rosenblum WI, et al. **Arteriosclerosis** 1981 Mar–Apr; 1(2):127–33
Effects of fasting and insulin on hepatic phosphofructokinase (PFK). Binkley F, et al. **Biochem Biophys Res Commun** 1982 May 14;106(1):175–8
The effect of fasting on sulfation and glucuronidation in the rat in vivo. Mulder GJ, et al. **Biochem Pharmacol** 1982 May 15;31(10):1941–4
Reduced hepatic protein synthesis after long term ethanol treatment in fasted rats. Dependence on animal handling before measurement. Smith-Kielland A, et al. **Biochem Pharmacol** 1981 Aug 15;30(16):2377–9
The effect of nutritional status and of glucocorticoid treatment on the protein kinase isozyme pattern of liver parenchymal cells. McClung JK, et al. **Biochim Biophys Acta** 1981 Sep 4;676(3):300–6
The effects of short periods of fasting on the absorption of heavy metals. Quarterman J, et al. **Br J Nutr** 1981 Sep; 46(2):277–87
The effect of acute oral glucose administration on high intensity work in fasted rats. Reardon FD, et al. **Can J Appl Sport Sci** 1982 Mar;7(1):22–8
Role of acidosis in the protein wasting of fasting in the rat and the rabbit. Hannaford MC, et al. **Can J Physiol Pharmacol** 1982 Mar;60(3):331–4
Glycogen and histological changes in muscle grafts of rats during fasting or exercise. Mong FS, et al. **Can J Physiol Pharmacol** 1982 Mar;60(3):387–91
Acetaminophen toxicity in fed and fasted mice. Walker RM, et al. **Can J Physiol Pharmacol** 1982 Mar;60(3):399–404
Importance of fasting plasma glucose concentration and obesity in the interpretation of fasting serum C-peptide values. Garcia-Webb P, et al. **Clin Chim Acta** 1982 Feb 5;118(2–3):323–6
Muscle citrate content and the regulation of metabolism in fed and fasted human skeletal muscle. Maughan RJ, et al. **Clin Physiol** 1982 Feb;2(1):21–7
Effect of fasting on the disappearance of injected alanine and 3-hydroxybutyrate in obese subjects. Swaminathan R, et al. **Clin Sci** 1982 Jan;62(1):77–81
Fasting-induced torpor in Mus musculus and its implications in the use of murine models for human obesity studies. Webb GP, et al. **Comp Biochem Physiol [A]** 1982; 72(1):211–9
The gastro-entero-pancreatic hormone response to fasting in obesity. Andrews WJ, et al. **Diabetologia** 1981 Nov; 21(5):440–5
Correlation between fasting serum C-peptide and B cell insulin secretory capacity in diabetes mellitus [letter] Garcia-Webb P, et al. **Diabetologia** 1982 Apr;22(4):296
HDL cholesterol and fasting insulin levels [letter] Jarrett RJ. **Diabetologia** 1982 Jun;22(6):493
Seasonal variation in fasting plasma glucose levels in man. Suarez L, et al. **Diabetologia** 1982 Apr;22(4):250–3
Phenylalkyloxirane carboxylic acids, a new class of hypoglycaemic substances: hypoglycaemic and hypoketonaemic effects of sodium 2-[5-(4-chlorophenyl)-pentyl]-oxirane-2-carboxylate (B 807-27) in fasted animals. Wolf HP, et al. **Diabetologia** 1982 Jun;22(6):456–63
Human interdigestive and postprandial gastrointestinal motor and gastrointestinal hormone patterns. Rees WD, et al. **Dig Dis Sci** 1982 Apr;27(4):321–9
Modulation of T4 5'-monodeiodination in rat anterior pituitary and liver homogenates by thyroid states and fasting. Naito K, et al. **Endocrinol Jpn** 1981 Dec;28(6):793–8
Calcitonin stimulates glycogenolysis in the liver of fasted rats. Yamaguchi M. **Endocrinol Jpn** 1981 Oct;28(5):643–6
Effects of catecholamines on plasma free fatty acids in fed and fasted cattle. Blum JW, et al. **Endocrinology** 1982 Feb; 110(2):452–6
Alterations of brown adipose tissue in genetically obese (ob/ob) mice. I. Demonstration of loss of metabolic response to nerve stimulation and catecholamines and its partial recovery after fasting or cold adaptation. Seydoux J, et al. **Endocrinology** 1982 Feb;110(2):432–8
Alterations induced by a prolonged fasting: opposite effects on the beta-adrenergic receptor-coupled adenylate-cyclase system and on lipolysis in fat cells from rat. Giudicelli Y, et al. **Eur J Biochem** 1982 Jan;121(2):301–8
Is increased basal lipolysis in adipose tissue of fasted-refed rats related to cyclic-AMP-dependent mechanisms? Zapf J, et al. **Eur J Biochem** 1981 Oct;119(3):453–9
Improved effect of glibenclamide on administration before breakfast. Sartor G, et al. **Eur J Clin Pharmacol** 1982; 21(5):403–8
Fat-derived fuels during a 24-hour fast in children. Wolfsdorf JI, et al. **Eur J Pediatr** 1982 Mar;138(2):141–4
Accelerated aging of fasted Drosophila. Preservation of physiological function and cellular fine structure by thiazolidine carboxylic acid (TCA). Economos AC, et al. **Exp Gerontol** 1982;17(2):105–14
Lung phosphatidate phosphatase: activity during altered physiologic states. Filler DA, et al. **Exp Lung Res** 1982 Feb;3(1):37–46
Secretions of isolated total gastric pouches in fasting and fed rats. Levan VH, et al. **Exp Pathol** 1981;20(4):189–92
Partial purification of components from fasting human blood serum which stimulate the forward migration of human spermatozoa. Cheng CY, et al. **Experientia** 1982 Apr 15; 38(4):480
Inhibitory effect of fasting on the glucagon-induced increase of liver phosphorylase A activity in rats. Németh S, et al. **Experientia** 1982 Apr 15;38(4):444–5
Refeeding of mice after fasting stimulates cell renewal in the gall bladder epithelium. Putz P, et al. **Experientia** 1981 Jul 15;37(7):744–5
Effects of fasting and malonyl CoA on the kinetics of carnitine palmitoyltransferase and carnitine octanoyltransferase in intact rat liver mitochondria. Saggerson ED, et al. **FEBS Lett** 1981 Sep 28;132(2):166–8
An in vitro model demonstrating the glucose effect and the influence of fasting on porphyrin metabolism. Schoenfeld N, et al. **FEBS Lett** 1982 Feb 22;138(2):277–9
Relationship of fasting gastroduodenal motility to the sleep cycle. Finch PM, et al. **Gastroenterology** 1982 Sep; 83(3):605–12
Substrate changes during fasting and refeeding contrasted in old and young rats. Poland JL, et al. **Gerontology** 1982; 28(2):99–103
Effect of fasting on organic anion uptake by isolated rat liver cells. Laperche Y, et al. **Hepatology** 1981 Nov–Dec; 1(6):617–21
NADP-dependent dehydrogenases in rat liver parenchyma. III. The description of a liponeogenic area on the basis of histochemically demonstrated enzyme activities and the neutral fat content during fasting and refeeding. Rieder H. **Histochemistry** 1981;72(4):579–615
In vivo effects of branched chain amino acids on muscle protein synthesis in fasted rats. Buse MG. **Horm Metab Res** 1981 Sep;13(9):502–5
Effects of fasting and refeeding on insulin binding to liver plasma membranes and hepatocytes from normal rats. Herrera MT, et al. **Horm Metab Res** 1981 Aug;13(8):441–5
Effect of protein-supplemented fasting on metabolic and hormonal responses to epinephrine infusion in obese subjects. Scheen A, et al. **Horm Metab Res** 1982 May; 14(5):240–5
High-density lipoprotein subfractions after a short term fast. Schwandt P, et al. **Horm Metab Res** 1981 Aug;13(8):467–8
Nutritional status, time of day and pinealectomy: factors influencing the sensitivity of the neuroendocrine-reproductive axis of the rat to melatonin. Blask DE, et al. **Horm Res** 1981;14(2):104–13
Relation of habitual diet to fasting plasma insulin concentration and the insulin response to oral glucose. Thomas BJ, et al. **Hum Nutr Clin Nutr** 1982;36C(1):49–56
Formation of acetylpolyamines in the liver of fasting animals. Seiler N, et al. **Int J Biochem** 1981;13(12):1205–14
Nitrogen loss and urinary creatinine excretion during fasting in massive obesity. Contaldo F, et al. **Int J Obes** 1982; 6(1):97–100
A multiple approach to the treatment of obesity using total fasting or a very-low-calorie diet. Cormillot A, et al. **Int J Obes** 1981;5(3):297–304
Balanced hypocaloric diet versus protein-sparing modified

fast in the treatment of obesity: a comparative study. Iselin HU, et al. **Int J Obes** 1982;6(2):175–81

Towards new animal models in obesity research. Mrosovsky N, et al. **Int J Obes** 1982;6(1):121–6

Thyroid hormone changes in obese subjects during fasting and a very-low-calorie diet. Rabast U, et al. **Int J Obes** 1981;5(3):305–11

Hormonal and metabolic adaptation to protein-supplemented fasting in obese subjects. Scheen AJ, et al. **Int J Obes** 1982; 6(2):165–74

The variability of weight reduction during fasting: predictive value of thyroid hormone measurements. Sörbris R, et al. **Int J Obes** 1982;6(1):101–11

Influence of fasting and transit on ruminal and blood metabolites in beef steers. Galyean ML, et al. **J Anim Sci** 1981 Jul;53(1):7–18

Fasting plasma hormones and metabolites in feral and domestic newborn pigs. Kasser TR, et al. **J Anim Sci** 1981 Aug;53(2):420–6

Short-term metabolic response in wethers to high dietary protein intake prior to fasting. Koenig JM, et al. **J Anim Sci** 1981 Feb;52(2):382–90

Treatment of morbid obesity with protein-sparing modified fast. Craig DW. **J Arkansas Med Soc** 1982 May; 78(12):489–96

Determination of free and bound manganese(II) in hepatocytes from fed and fasted rats. Ash DE, et al. **J Biol Chem** 1982 Aug 25;257(16):9261–4

In vivo observations on the lipolytic effect of noradrenaline during therapeutic fasting. Arner P, et al. **J Clin Endocrinol Metab** 1981 Dec;53(6):1207–12

The mechanisms of nitrogen sparing in fasting supplemented by protein and carbohydrate. Bistrian BR, et al. **J Clin Endocrinol Metab** 1981 Oct;53(4):874–8

Nuclear triiodothyronine binding in mononuclear leukocytes in normal subjects and obese patients before and after fasting. Buergi U, et al. **J Clin Endocrinol Metab** 1982 Jun; 54(6):1199–205

Reduction of plasma immunoreactive somatomedin C during fasting in humans. Clemmons DR, et al. **J Clin Endocrinol Metab** 1981 Dec;53(6):1247–50

Comparison of insulin binding to cells of fed and fasted obese patients: results in erythrocytes and monocytes. Spanheimer RG, et al. **J Clin Endocrinol Metab** 1982 Jan;54(1):40–7

Differing uptake of emulsion triglyceride by the fed and fasted rat liver. Quarfordt SH, et al. **J Clin Invest** 1982 May;69(5):1092–8

Regulation of cathepsin D metabolism in rabbit heart: evidence for a role for precursor processing in the control of enzyme activity. Samarel AM, et al. **J Clin Invest** 1982 Apr;69(4):999–1007

Alteration, by early underfeeding, of cellular multiplication and differentiation in the inguinal fat pads of rats. Gaben-Cogneville AM, et al. **J Nutr** 1981 Dec; 111(12):2098–105

Comparative studies of adaptive responses of fatty acid synthetase activities in rat liver and adipose tissue. Kim M, et al. **J Nutr** 1981 Nov;111(11):1985–95

Effects of fasting during pregnancy on maternal and fetal weight and body composition in well-nourished and undernourished rats. Lederman SA, et al. **J Nutr** 1981 Oct; 111(10):1823–32

Fasting and postprandial plasma free amino acids of infants and children consuming exclusively potato protein. Lopez de Romaña G, et al. **J Nutr** 1981 Oct;111(10):1766–71

Plasma free, erythrocyte free and plasma peptide amino acid exchange to calves in steady state and fasting metabolism. McCormick ME, et al. **J Nutr** 1982 Feb;112(2):276–82

Hepatic gluconeogenic enzymes, plasma insulin and glucagon response to magnesium deficiency and fasting. McNeill DA, et al. **J Nutr** 1982 Apr;112(4):736–43

Glycogen content and repletion rates in beef muscle, effect of feeding and fasting. McVeigh JM, et al. **J Nutr** 1982 Jul;112(7):1306–14

Effect of a protein-free diet and fasting on RNA polymerase activity in mice. Warnick CT, et al. **J Nutr** 1982 Feb; 112(2):293–8

Motilin, human pancreatic polypeptide, gastrin, and insulin plasma concentrations in fasted children. Janik JS, et al. **J Pediatr** 1982 Jul;101(1):51–6

Pharmacokinetics of hydrochlorothiazide in fasted and nonfasted subjects: a comparison of plasma level and urinary excretion methods. Barbhaiya RH, et al. **J Pharm Sci** 1982 Feb;71(2):245–8

Morphometric analysis of the membranes and organelles of small intestinal enterocytes. I. Fasted hamster. Buschmann RJ, et al. **J Ultrastruct Res** 1981 Jul;76(1):1–14

Effect of reduced atmospheric pressure and fasting on transferrin synthesis in the rat. Gardiner ME, et al. **Life Sci** 1981 Oct 19;29(16):1641–8

Lung phosphatidylcholine and fasting in male and female rats. Abe M, et al. **Lipids** 1982 Jan;17(1):42–5

Hypolipidemic effects of clofibrate and selected chroman analogs in fasted rats: I. Chow-fed animals. O'Brien M, et al. **Lipids** 1981 Dec;16(12):903–11

Preservation of glucose tolerance and insulin secretory response to repeated glucose levels by the feeding of minimal glucose during prolonged fasting. Abraira C, et al. **Metabolism** 1981 Dec;30(12):1200–8

The effect of fasting on liver receptors for prolactin and growth hormone. Baxter RC, et al. **Metabolism** 1981 Nov; 30(11):1086–90

The regulation of lipid synthesis in freshly isolated and primary cultures of hepatocytes from fasted rats: the primary role of insulin. Caro JF, et al. **Metabolism** 1982 Jan;31(1):14–8

Differences in circulating gluconeogenic substrates during short-term fasting in men, women, and children. Haymond MW, et al. **Metabolism** 1982 Jan;31(1):33–42

The effects of short-term fasting on the excretion of sulfur compounds in healthy subjects. Mårtensson J. **Metabolism** 1982 May;31(5):487–92

Glucose and fatty acid kinetics in fasted rats: effects of previous protein intake. Royle GT, et al. **Metabolism** 1982 Mar;31(3):279–83

Insulin resistance in adipocytes from fed and fasted obese rats: dissociation of two insulin actions. Stevens J, et al. **Mol Cell Biochem** 1981 Jul;37(3):177–83

Changes in nutritional state can affect the physical state of acetyl-CoA carboxylase. **Nutr Rev** 1981 Jun;39(6):247–8

Effects of photoperiod and castration on post-fast food intake and body weight gain in golden hamsters. Granneman JG, et al. **Physiol Behav** 1982 May;28(5):847–50

Influence of age and of short-term and repeated fasting on the cytochrome concentration in mitochondria isolated from different parts of the rat CNS and liver. Dobešová Z, et al. **Physiol Bohemoslov** 1981;30(4):329–34

Effect of a short-term fasting and altitude hypoxia on the cytochrome oxidase activity of rat brain mitochondria. Koudelová J, et al. **Physiol Bohemoslov** 1981;30(5):405–10

Effect of repeated fasting on ATPase activities in the brain of rats of different ages. Mourek J, et al. **Physiol Bohemoslov** 1981;30(4):335–9

Effects of dietary carbohydrate on fasting levels of human growth hormone and cortisol. Gardner LB, et al. **Proc Soc Exp Biol Med** 1982 Jan;169(1):36–40

The effect of fasting on the secretion of lipoproteins and two forms of apo B by perfused rat liver. **Marsh JB**, et al. **Proc Soc Exp Biol Med** 1982 Jun;170(2):178–81

Metabolic adaptations to starvation, semistarvation, and carbohydrate restriction. Aoki TT. **Prog Clin Biol Res** 1981; 67:161–77

Metabolic effects of fasting in steers. Blum JW, et al. **Res Vet Sci** 1981 Jul;31(1):127–9

Effect of total calorific deprivation on host defence in the horse. Naylor JM, et al. **Res Vet Sci** 1981 Nov;31(3):369–72

Daily plasma citrate rhythms in man during feeding and fasting. Nielsen TT, et al. **Scand J Clin Lab Invest** 1981 May;41(3):281–7

Influence of fasting on intestinal permeability and disease activity in patients with rheumatoid arthritis. Sundqvist T, et al. **Scand J Rheumatol** 1982;11(1):33–8

Hypotensive effect of fasting: possible involvement of the sympathetic nervous system and endogenous opiates. Einhorn D, et al. **Science** 1982 Aug 20;217(4561):727–9

Hepatic glucose production oscillates in synchrony with the islet secretory cycle in fasting rhesus monkeys. Goodner CJ, et al. **Science** 1982 Mar 5;215(4537):1257–60

Metabolic and endocrine effects of fasting followed by infusion of five-percent glucose. Elwyn DH, et al. **Surgery** 1981 Nov;90(5):810–6

Fasting accelerates the in vivo metabolism of carbon tetrachloride in rats. Siegers CP, et al. **Toxicol Lett** 1982 Mar;10(4):423–6

[The effect of five-day fasting on skeletal muscle enzymes in obese men (author's transl)] Vondra K, et al. **Cas Lek Cesk** 1981 Oct 22;120(42):1280–2 (Eng. Abstr.) (Cze)

[Enzymatic determination of blood D-beta-hydroxybutyrate and acetoacetate during prolonged fasting tests in the child] Brivet M, et al. **Ann Biol Clin (Paris)** 1981;39(5):296–8 (Fre)

[Decreased secretion of epinephrine during protein-supplemented fasting in obese subjects (author's transl)] Scheen A, et al. **Ann Endocrinol (Paris)** 1981 Dec; 42(6):531–6 (Eng. Abstr.) (Fre)

[Long-term results of the treatment of obesity by fasting] Jaccard A, et al. **Schweiz Med Wochenschr** 1981 Dec 5; 111(49):1902–4 (Eng. Abstr.) (Fre)

[The age-related decrease in performance capacity and how it is influenced in animal experiments (author's transl)] Hofecker G, et al. **Aktuel Gerontol** 1981 Nov;11(6):188–94 (Eng. Abstr.) (Ger)

[Food deprivation as preparation for anesthesia and aftercare—effect of fasting on the acid-base status and glucose concentration in the blood of rabbits of different body weight] Bonath K, et al. **Berl Munch Tierarztl Wochenschr** 1982 Apr 1;95(7):126–30 (Eng. Abstr.) (Ger)

[Pathophysiologic changes and their monitoring in a prolonged fasting state] Puchstein C, et al. **Med Klin [Prax]** 1982 Jun 18;77(13):22–7 (Ger)

[Peculiarities of gastric motility of fasting rate and with continued reflectory food stimulus in old age (author's transl)] Korkuško OV, et al. **ZFA (Dresden)** 1981; 36(5):417–25 (Eng. Abstr.) (Ger)

[The influence of fasting, of a hyperprotein diet and of nicotinamide on hepatic L-threonine deaminase] Aleo MF, et al. **Boll Soc Ital Biol Sper** 1981 Sep 15;57(17):1746–51 (Eng. Abstr.) (Ita)

[A comparative study of serum bile acid levels (TBA, CG) in liver disease-difference between fasting and UDCA oral loading (author's transl)] Hino K, et al. **Nippon Shokakibyo Gakkai Zasshi** 1981 Nov;78(11):2197 (Jpn)

[Regional variations of gastric mucus macromolecular glycoproteins and changes of the glycoproteins caused by fasting in rat (author's transl)] Kakei M, et al. **Nippon Shokakibyo Gakkai Zasshi** 1982 Feb;79(2):181–6 (Eng. Abstr.) (Jpn)

[Lipid peroxidation in the tissues of rats of different ages normally and during fasting] Gatsko GG, et al. **Biull Eksp Biol Med** 1982 Apr;93(4):30–2 (Eng. Abstr.) (Rus)

[Effect of fasting on blood insulin levels in rats after destruction of the ventromedial nuclei of the hypothalamus] Gol'dberg RS, et al. **Fiziol Zh** 1982 Jan-Feb;28(1):3–9 (Eng. Abstr.) (Rus)

[Serum and tissue lipids in prolonged fasting in rats (author's transl)] Ahlers I, et al. **Cas Lek Cesk** 1982 Jun 4; 121(22):687–90 (Eng. Abstr.) (Slo)

ADVERSE EFFECTS

Adverse effects of liquid protein fast on the handling of magnesium, calcium and phosphorus. Licata AA, et al. **Am J Med** 1981 Nov;71(5):767–72

Urinary excretion of acetylcarnitine during human diabetic and fasting ketosis. Hoppel CL, et al. **Am J Physiol** 1982 Aug;243(2):E168–72

Meal frequency and duration of overnight fast: a role in gall-stone formation? [letter] **Br Med J [Clin Res]** 1982 Jan 16;284(6310):194–5

Meal frequency and duration of overnight fast: a role in gall-stone formation? Capron JP, et al. **Br Med J [Clin Res]** 1981 Nov 28;283(6304):1435

Fasting in obesity: another cause of liver injury with alcoholic hyaline? Capron JP, et al. **Dig Dis Sci** 1982 Mar; 27(3):265–8

Effects of fasting on maximum thermogenesis in temperature-acclimated rats. Wang LC. **Int J Biometeorol** 1981 Sep;25(3):235–41

The influence of fasting on the susceptibility of mice to hepatotoxic injury. Strubelt O, et al. **Toxicol Appl Pharmacol** 1981 Aug;60(1):66–77

[Urinary calcium and phosphate during fasting. Effect of various hormonal factors (author's transl)] Asch L, et al. **Sem Hop Paris** 1982 Jun 10;58(23):1432–6 (Eng. Abstr.) (Fre)

[The effect of preoperative food and fluid restrictions on various metabolic parameters in geriatric patients] Knoche E, et al. **Infusionsther Klin Ernahr** 1981 Oct;8(5):224–32 (Eng. Abstr.) (Ger)

[Changes of sorbitol dehydrogenase (SDH) activity in rats subjected to double stress (dry heat and fasting)] Gulisano G, et al. **Arch Sci Med (Torino)** 1981 Oct-Dec;138(4):445–8 (Ita)

VETERINARY

Tissue glycogen levels in dams and fetuses as affected by fasting and refeeding pregnant sows. Yen JT, et al. **J Anim Sci** 1982 Apr;54(4):796–805

The effect of fasting on oral acute toxicity of drugs in rats and mice. Kast A, et al. **Lab Anim** 1981 Oct;15(4):359–64

The interaction of phosphorus nutrition and fasting on the survival time of young chickens acutely exposed to high temperature. McCormick CC, et al. **Poult Sci** 1982 Feb; 61(2):331–6

FAT BODY see under **ADIPOSE TISSUE**

FAT EMULSIONS, INTRAVENOUS

The effect of fat infusion on protein metabolism. Clarke D. **Acta Chir Scand [Suppl]** 1981;507:475–84

The role of fat in nutrition of the injured patient. Liljedahl SO. **Acta Chir Scand [Suppl]** 1981;507:238–46

The relation of intravenous fat solutions to lipoprotein metabolism. Rossner S. **Acta Chir Scand [Suppl]** 1981; 507:220–5

The effect of two intravenous fat emulsions and their components on bilirubin binding to albumin. Burckart GJ, et al. **Am J Clin Nutr** 1982 Sep;36(3):521–6

Administration of fat emulsions. Hutchison MM. **Am J Nurs** 1982 Feb;82(2):275–7

Tissue distribution and anti-inflammatory activity of corticosteroids incorporated in lipid emulsion. Mizushima Y, et al. **Ann Rheum Dis** 1982 Jun;41(3):263–7

Stability of intravenous fat emulsions [letter] Pamperl H, et al. **Arch Surg** 1982 Jun;117(6):859–60

Studies with a safflower oil emulsion in total parenteral nutrition. Wong KH, et al. **Can Med Assoc J** 1981 Dec 15;125(12):1328–34

Interference by Liposyn with common laboratory tests [letter] Robinson CA Jr, et al. **Clin Chem** 1981 Aug; 27(8):1473

Comment on intravenous emulsion compatibility [letter] **Drug Intell Clin Pharm** 1981 Nov;15(11):908–9

A study of intravenous emulsion compatibility: effects of dextrose, amino acids, and selected electrolytes. Black CD, et al. **Drug Intell Clin Pharm** 1981 Mar;15(3):184–93

Changes in red cell membrane fatty acids in patients receiving total parenteral nutrition supplemented with a safflower oil emulsion. Bryant PJ, et al. **JPEN** 1982 May-Jun; 6(3):200–3

Studies on the efficacy of a new 20% fat emulsion in pediatric

parenteral nutrition. Coran AG, et al. **JPEN** 1982 May-Jun; 6(3):222-5

Parenteral 20% safflower oil emulsion safety and effectiveness as a caloric source in newborn infants. Marchildon MB. **JPEN** 1982 Jan-Feb;6(1):25-9

ADMINISTRATION & DOSAGE

Liver changes in rats on continuous and intermittent parenteral nutrition with and without fat (Intralipid 20%). Meurling S, et al. **Acta Chir Scand** 1981;147(6):475-80

Growth and nitrogen utilization in rats on continuous and intermittent parenteral nutrition with and without fat (Intralipid 20%). Roos KA, et al. **Acta Chir Scand** 1981; 147(6):459-64

Intravenous fat emulsions [letter] Grimley GW. **Am J Hosp Pharm** 1982 Apr;39(4):580, 583

Reduction of venous sequelae of i.v. diazepam with a fat emulsion as solvent. Mattila MA, et al. **Br J Anaesth** 1981 Dec;53(12):1265-8

Experimental joint trauma: synovial response to blunt trauma and inflammatory reaction to intraarticular injection of fat. Weinberger A, et al. **J Rheumatol** 1981 May-Jun;8(3):380-9

Monitoring intravenous fat emulsions in neonates with the fatty acid/serum albumin molar ratio. Kerner JA Jr, et al. **JPEN** 1981 Nov-Dec;5(6):517-8

Total parenteral nutrition with Vamin and Intralipid. Shizgal HM, et al. **JPEN** 1981 Sep-Oct;5(5):391-6

Use of lipid calories during pneumococcal sepsis in the Rhesus monkey. Wannemacher RW Jr, et al. **JPEN** 1982 Mar-Apr;6(2):100-5

Effects of intravenous fat emulsion administration on exocrine and endocrine pancreatic function. Matsuno S, et al. **Jpn J Surg** 1981;11(5):323-9

[Effect of parenteral administration of fat on the glucose and fat metabolism in acute pancreatitis] Lochs H, et al. **Infusionsther Klin Ernahr** 1982 Jun;9(3):127-9 (Eng. Abstr.) **(Ger)**

[Serum lipoprotein dynamics in lymphogranulomatosis after fat emulsion administration] Guseva SA. **Vrach Delo** 1981 Jul;(7):38-41 **(Rus)**

ADVERSE EFFECTS

Local discomfort and thrombophlebitis following intravenous injection of diazepam. A comparison between a glycoferol-water solution and a lipid emulsion. Selander D, et al. **Acta Anaesthesiol Scand** 1981 Dec;25(6):516-8

Neutrophil functions during total parenteral nutrition and Intralipid infusion. Palmblad J, et al. **Am J Clin Nutr** 1982 Jun;35(6):1430-6

Intralipid induced haemolysis [letter] McGrath KM, et al. **Br J Haematol** 1982 Feb;50(2):376-8

Intravascular fat accumulation after Intralipid infusion in the very low-birth-weight infant. Hertel J, et al. **J Pediatr** 1982 Jun;100(6):975-6

Diarrhea associated with intralipid infusion. Faintuch J, et al. **JPEN** 1981;5(4):325

Intralipid vasculopathy [letter] Wakely PE, et al. **Lancet** 1981 Dec 19-26;2(8260-61):1416

Pulmonary vasculitis on intralipid therapy [letter] Klotz SA, et al. **N Engl J Med** 1982 Apr 22;306(16):994-5

Malassezia pulmonary vasculitis in an infant on long-term Intralipid therapy. Redline RW, et al. **N Engl J Med** 1981 Dec 3;305(23):1395-8

Cholestasis caused by lipid emulsions. Allardyce DB. **Surg Gynecol Obstet** 1982 May;154(5):641-7

Fat overload from 10 percent soybean oil emulsion in a marrow transplant recipient. Taylor RF, et al. **West J Med** 1982 Apr;136(4):345-9

ANALYSIS

Morphologic changes of Intralipid 20% liposomes in all-in-one solutions during prolonged storage. Pamperl H, et al. **Infusionsther Klin Ernahr** 1982 Apr;9(2):86-91

BLOOD

Intravenous fat tolerance test with Intralipid in chronic renal failure. Norbeck HE, et al. **Acta Med Scand** 1982; 211(1-2):69-74

DIAGNOSTIC USE

Fat tolerance test in pregnancy: Intralipid loading test. Yoshioka T, et al. **Tohoku J Exp Med** 1981 Jun; 134(2):195-201

METABOLISM

Effect of intravenous administration of exogenous fats on the dynamics of plasmatic and erythrocytic lipids at rest and after physical exercise. Cholewa M, et al. **Acta Med Pol** 1981;22(2):127-39

Metabolic utilization of intravenous fat emulsion during total parenteral nutrition. Nordenström J, et al. **Ann Surg** 1982 Aug;196(2):221-31

Effect of core composition and particle size of lipid emulsions on apolipoprotein transfer of plasma lipoproteins in vivo. Connelly PW, et al. **Biochim Biophys Acta** 1981 Oct 23; 666(1):80-9

Intravascular metabolism of an artificial transporter of triacylglycerols. Alterations of serum lipoproteins resulting from total parenteral nutrition with Intralipid. Untracht SH. **Biochim Biophys Acta** 1982 Apr 15;711(1):176-92

Differing uptake of emulsion triglyceride by the fed and fasted rat liver. Quarfordt SH, et al. **J Clin Invest** 1982 May;69(5):1092-8

PHARMACODYNAMICS

Intravenous lipid emulsions and human neutrophil function. English D, et al. **J Pediatr** 1981 Dec;99(6):913-6

Glycemic response to lipid infusion in the premature neonate. Vileisis RA, et al. **J Pediatr** 1982 Jan;100(1):108-12

Hemodynamic effects of intravenous fat emulsions in patients with heart disease. Fisch D, et al. **JPEN** 1981 Sep-Oct; 5(5):402-5

Blood platelet behaviour during infusion of an Intralipid-based intravenous feeding mixture. Burnham WR, et al. **Postgrad Med J** 1982 Mar;58(677):152-5

Pulmonary effects of Intralipid: the role of Intralipid as a prostaglandin precursor. Hunt CE, et al. **Prog Lipid Res** 1981;20:199-204

[Leukocyte adhesiveness and chemotaxis during infusion of Intralipid] Prati U, et al. **Chir Ital** 1982 Jun;34(3):426-31 (Eng. Abstr.) **(Ita)**

[Systemic hemodynamic and microcirculatory indices during intravenous administration of a fat emulsion] Shanskaia AI, et al. **Probl Gematol Pereliv Krovi** 1982 Jun;27(6):30-2 **(Rus)**

STANDARDS

Sterility testing of fat emulsions using membrane filtration and dimethyl sulfoxide. Placencia AM, et al. **J Pharm Sci** 1982 Jun;71(6):704-5

THERAPEUTIC USE

American Academy of Pediatrics. Committee on Nutrition. Use of Intravenous fat emulsions in pediatric patients. **Pediatrics** 1981 Nov;68(5):738-43

[Clinical application of a new intravenous fat emulsion, 'venolipid' (author's transl)] Tanimura H, et al. **Nippon Geka Hokan** 1981 Jan 1;50(1):219-28 **(Jpn)**

FAT NECROSIS see under **NECROSIS**

FATHER-CHILD RELATIONS

Sex-role patterns, paternal rearing attitudes and child development in different social classes. Nettelbladt P, et al. **Acta Psychiatr Scand** 1981 Jul;64(1):12-24

Mental health of 58 Swedish men living together with their wives and preschool children. Nettelbladt P, et al. **Acta Psychiatr Scand** 1981 May;63(5):463-78

Single-father caretakers: demographic characteristics and adjustment processes. Chang PN, et al. **Am J Orthopsychiatry** 1982 Apr;52(2):236-43

The role of the father for the infant at risk. Marton P, et al. **Am J Orthopsychiatry** 1981 Oct;51(4):672-9

Personality, behavior, values, and family relations of children of fathers with spinal cord injury. Buck FM, et al. **Arch Phys Med Rehabil** 1981 Sep;62(9):432-8

Inter-generational transmission of incest. Cooper I, et al. **Can J Psychiatry** 1982 Apr;27(3):231-5

Early intervention using Brazelton training with middle-class mothers and fathers of newborns. Myers BJ. **Child Dev** 1982 Apr;53(2):462-71

In search of a loving father. Layland WR. **Int J Psychoanal** 1981;62(Pt 2):215-23

Finding one's father: the mother's contribution to early father representations. Atkins RN. **J Am Acad Psychoanal** 1981 Oct;9(4):539-59

The half-alive ones. Seligman E. **J Anal Psychol** 1982 Jan; 27(1):1-20

Paternal influences on early socio-emotional development. Lamb ME. **J Child Psychol Psychiatry** 1982 Apr; 23(2):185-90 (47 ref.)

Father-daughter incest: detection of cases. Shapshay R, et al. **J Psychosoc Nurs Ment Health Serv** 1982 Jan;20(1):23-6

Parents' perceptions of father's involvement with hearing-impaired children. McNeil M, et al. **Psychol Rep** 1981 Dec;49(3):803-6

Postpartum psychosis in an adoptive mother and in a father. Van Putten R, et al. **Psychosomatics** 1981 Dec; 22(12):1087-9

The needs of a family following a fatal road traffic accident: a case study. Rostron J. **Public Health** 1981 Nov; 95(6):353-5

Father participation in child care: a critical review. Cronenwett LR. **Res Nurs Health** 1982 Jun;5(2):63-72 (41 ref.)

Psychologic responses of incestuous daughters: emerging patterns. LaBarbera JD, et al. **South Med J** 1981 Dec; 74(12):1478-80

Heroes as fathers. Weinstein JD. **Suicide Life Threat Behav** 1982 Spring;12(1):17-33

[The decline of paternal authority and its significance for the pathogenesis of schizophrenia (author's transl)] Tellenbach H. **Nervenarzt** 1981 Jul;52(7):391-5 **(Ger)**

[Failing fathers: a condition for hebephrenia] Tellenbach H. **An R Acad Nac Med (Madr)** 1981;98(3):472-84 **(Spa)**

FATHERS

Fathers: the forgotten parents. Crowley M, et al. **Am Ann Deaf** 1982 Feb;127(1):38-40

Correlation between father's age and husband's age: a case of imprinting? Zei G, et al. **J Biosoc Sci** 1981 Oct; 13(4):409-18

Occupations of fathers of children dying from neoplasms. Sanders BM, et al. **J Epidemiol Community Health** 1981 Dec;35(4):245-50

Black unwed adolescent fathers: a comparative study of their problems and help-seeking behavior. Hendricks LE, et al. **J Natl Med Assoc** 1981 Sep;73(9):863-8

Teenage pregnancy: the forgotten father. Rivara FP. **JDBP** 1981 Dec;2(4):142-5

A method to help new fathers develop parenting skills. Giefer MA, et al. **JOGN Nurs** 1981 Nov-Dec;10(6):455-7

The in-and-out parent: strategies for managing reentry stress. Frank M, et al. **Milit Med** 1981 Dec;146(12):846-9

PSYCHOLOGY

Best laid plans...pre and postpartum comparison of self and spouse concepts in primiparous Lamaze couples who share delivery and those who do not. Hott JR. **Birth Defects** 1981;17(6):153-80

Emotional reactions of expectant fathers to their wives' first pregnancy. Gerzi S, et al. **Br J Med Psychol** 1981 Sep;54(Pt 3):259-65

Unwed teenage fathers: emotional and health educational needs. Elster AB, et al. **J Adolesc Health Care** 1980 Dec; 1(2):116-20

Unmarried black adolescent fathers' attitudes toward abortion, contraception, and sexuality: a preliminary report. Hendricks LE. **J Adolesc Health Care** 1982 Mar; 2(3):199-203

Phallic narcissistic vulnerability and the empty nest syndrome. Avery NC. **J Am Acad Psychoanal** 1981 Oct; 9(4):525-37

Paternal psychopathology and the emerging ego. Kay DL. **J Anal Psychol** 1981 Jul;26(3):203-19

MMPI traits of incestuous fathers. Kirkland KD, et al. **J Clin Psychol** 1982 Jul;38(3):645-9

Expectant fatherhood and first pregnancy. Dodendorf DM. **J Fam Pract** 1981 Oct;13(5):744, 751

Fathers must be men. Brown CL. **J Med Assoc State Ala** 1981 Jul;51(1):22-5

Prospective adolescent fathers: stresses during pregnancy and implications for nursing interventions. Panzarine S, et al. **J Psychosoc Nurs Ment Health Serv** 1982 Jul;20(7):21-4

[Psychodynamic aspects of the father's presence at birth] Bokun P, et al. **Srp Arh Celok Lek** 1980 Oct;108(10):1045-7 (Eng. Abstr.) **(Scc)**

[Failing fathers: a condition for hebephrenia] Tellenbach H. **An R Acad Nac Med (Madr)** 1981;98(3):472-84 **(Spa)**

FATIGUE

Hierarchy of changes induced by fatigue in sprinting. Chapman AE. **Can J Appl Sport Sci** 1982 Jun;7(2):116-22

[Evidence that fatigue is a problem in sports medicine by the study of neuromuscular stimulation] de Bisschop G, et al. **Schweiz Z Sportmed** 1980;28(3):69-76 **(Fre)**

[Effects of TV-game and healthy endurance running on biological functions (author's transl)] An'ei T. **Nippon Eiseigaku Zasshi** 1981 Feb;35(6):858-63 (Eng. Abstr.) **(Jpn)**

BLOOD

Adrenocortical activity and some clinical findings in acute and chronic fatigue. Poteliakhoff A. **J Psychosom Res** 1981; 25(2):91-5

COMPLICATIONS

Heterozygous beta thalassemia with an intermediate severity: (a report of 11 cases). Mehta BC, et al. **J Postgrad Med** 1981 Oct;27(4):235-9

[Stress fractures (author's transl)] Burckhardt A, et al. **Orthopade** 1982 Apr;11(2):53-9 **(Ger)**

DIAGNOSIS

Sleep and daytime sleepiness in the elderly. Carskadon MA, et al. **J Geriatr Psychiatry** 1980;13(2):135-51

Depression a la Haitian. A linguistic misinterpretation. Leonidas JR. **NY State J Med** 1982 Apr;82(5):754-5

Lethargy in general practice. Jerrett WA. **Practitioner** 1981 May;225(1355):731-7

[Work capacity and fatigue of helicopter pilots] kamenskiĭ IuN. **Kosm Biol Aviakosm Med** 1982 Jan-Feb;16(1):55-8 (Eng. Abstr.) **(Rus)**

ETIOLOGY

Postoperative deterioration in muscular function. Edwards H, et al. **Arch Surg** 1982 Jul;117(7):899-901

Fatigue and cardiorespiratory function following abdominal surgery. Christensen T, et al. **Br J Surg** 1982 Jul;69(7):417-9

A multivariate approach to feeling of fatigue in relation to individual workers' working and living conditions. Sawada S, et al. **J Hum Ergol (Tokyo)** 1980 Sep;9(1):23-33

The problem of fatigue in dialysis patients. Cardenas DD, et al. **Nephron** 1982;30(4):336-40

Anergia and depression as early features of multiple sclerosis [letter] Sandyk R. S **Afr Med J** 1982 May 15;61(20):732

Fifty-four year old caucasian male with progressive fatigability [clinical conference] Van Ert G, et al.

SD J Med 1981 Sep;34(9):29–33
[Fatigue and depression (author's transl)] Widlocher D. Encephale 1981;7(4 Suppl):347–51 (Eng. Abstr.) (Fre)
[Development of prepathological states (overstrain and overfatigue) as affected by work and environmental factors] Navakatikian AO. Gig Tr Prof Zabol 1981 Nov;(11):14–8 (23 ref.) (Eng. Abstr.) (Rus)
[Causes of fatigue in civil aviation helicopter crews] Kamenskii IuN. Kosm Biol Aviakosm Med 1981 Nov–Dec; 15(6):19–22 (Eng. Abstr.) (Rus)

METABOLISM

Shortage of chemical fuel as a cause of fatigue: studies by nuclear magnetic resonance and bicycle ergometry. Wilkie D. Ciba Found Symp 1981;(82):102–19
Fluid shifts from myofibrillar to sarcoplasmic space in the myocardium of exhausted rats. Thomas DP, et al. Int J Sports Med 1981 Aug;2(3):171–7
Effect of an exercise run to exhaustion on cAMP in the rat heart. Goldfarb AH, et al. J Appl Physiol 1981 Dec; 51(6):1539–42
Fetal myosins in skeletal muscle from a patient with myalgia and fatigue. Fitzsimons RB, et al. Lancet 1982 Feb 27; 1(8270):480–3
[Central mechanisms of fatigue and chemotherapy] Laborit H, et al. Agressologie 1981;22(5):183–94 (Eng. Abstr.) (Fre)
[Oxidative phosphorylation during functional changes] Allik TA. Biull Eksp Biol Med 1982 Feb;93(2):28–30 (Eng. Abstr.) (Rus)

PHYSIOPATHOLOGY

Quantification through the surface EMG of muscle fatigue and recovery during successive isometric contractions. Petrofsky JS. Aviat Space Environ Med 1981 Sep; 52(9):545–50
Human muscle fatigue: physiological mechanisms. Ciba Found Symp 1981;(82):1–314
EMG and fatigue of human voluntary and stimulated contractions. Bigland-Ritchie B. Ciba Found Symp 1981; (82):130–56
Human muscle function and fatigue. Edwards RH. Ciba Found Symp 1981;(82):1–18
Firing properties of single human motor units on maintained maximal voluntary effort. Grimby L, et al. Ciba Found Symp 1981;(82):157–77
Muscle fatigue due to changes beyond the neuromuscular junction. Jones DA. Ciba Found Symp 1981;(82):178–96
The tremor in fatigue. Lippold O. Ciba Found Symp 1981; (82):234–48
The pathophysiology of inspiratory muscle fatigue. Macklem PT, et al. Ciba Found Symp 1981;(82):249–63
Indirect and direct stimulation of fatigued human muscle. Merton PA, et al. Ciba Found Symp 1981;(82):120–9
Contractile function and fatigue of the respiratory muscles in man. Moxham J, et al. Ciba Found Symp 1981; (82):197–212
Neural drive and electromechanical alterations in the fatiguing diaphragm. Roussos C, et al. Ciba Found Symp 1981;(82):213–33
Fatigue in human metabolic myopathy. Wiles CM, et al. Ciba Found Symp 1981;(82):264–82
The wave analyses with the fast fourier transform on surface electromyogram and tremor during an acute and an accumulative fatigue. Sakamoto K, et al. Electromyogr Clin Neurophysiol 1982 Mar–Apr; 22(3):207–28
Work load and fatigue in repetitive arm elevations. Hagberg M. Ergonomics 1981 Jul;24(7):543–55
Measurement of localized muscle fatigue in building work. Malmqvist R, et al. Ergonomics 1981 Sep;24(9):695–709
Effects of repeated fatiguing rhythmical hand work. Kobryn U, et al. Eur J Applied Physiol 1981;47(3):271–9
Frequency analysis of surface EMG to evaluation of muscle fatigue. Sadoyama T, et al. Eur J Applied Physiol 1981; 47(3):239–46
Conduction velocity and EMG power spectrum changes in fatigue of sustained maximal efforts. Bigland-Ritchie B, et al. J Appl Physiol 1981 Nov;51(5):1300–5
Effect of exhaustive exercise on myocardial performance. Grimditch GK, et al. J Appl Physiol 1981 Nov; 51(5):1098–102
Respiratory muscle fatigue after marathon running. Loke J, et al. J Appl Physiol 1982 Apr;52(4):821–4
A hypothetical mechanism for the stimulation of osteonal remodelling by fatigue damage. Martin RB, et al. J Biomech 1982;15(3):137–9
Evaluation of recovery from local muscle fatigue by voluntary test contractions. Hara T. J Hum Ergol (Tokyo) 1980 Sep;9(1):35–46
Muscle fatigue in relation to EMG during repeated and maintained maximal isometric contractions. Oda S, et al. J Hum Ergol (Tokyo) 1980 Dec;9(2):175–81
Human muscle fatigue [editorial] Lancet 1981 Oct 3; 2(8249):729–30
Muscle weakness following eccentric work in man. Davies CT, et al. Pflugers Arch 1981 Dec;392(2):168–71
Muscle fatigue and the role of transverse tubules. Bianchi CP, et al. Science 1982 Jan 15;215(4530):295–6
[Age and fatigue as a result of local muscle work in humans] Alferova TV. Fiziol Zh 1982 Mar–Apr;28(2):230–5 (Eng. Abstr.) (Rus)
[Nature of cumulative fatigue in the dynamics of long periods of local muscle work] Murav'eva OI. Gig Tr Prof Zabol 1981 Nov;(11):25–9 (Eng. Abstr.) (Rus)
[Current questions of the fatigue problem in flight personnel] Kopanev VI. Voen Med Zh 1982 Jan;(1):49–51 (0 ref.) (Rus)
[Functional state of the hippocampo-reticular complex during submaximal physical loading and fatigue] Boev VM, et al. Zh Vyssh Nerv Deiat 1981 Sep–Oct;31(5):1029–37 (Eng. Abstr.) (Rus)

PREVENTION & CONTROL

Relieving muscle fatigue and eyestrain in microscopy [letter] Acta Cytol (Baltimore) 1981 Sep–Oct;25(5):585–7
Sitting down on the job: not as easy as it sounds. Occup Health Saf 1981 Oct;50(10):24–6
Burnout. Denholm BE. VM SAC 1981 Oct;76(10):1491–2
[Some metabolic changes in human physical performance and introduction of ergogenic substances (author's transl)] Chen RD. Sheng Li Ko Hsueh Chin Chan 1981 Jan;12(1):47–52 (45 ref.) (Chi)

PSYCHOLOGY

Psychological risk factors over the life course of myocardial infarction patients. Falger P, et al. Adv Cardiol 1982; 29:132–9
The perception of fatigue. Ciba Found Symp 1981;(82):283–96
The effects of fatigue on the control of a coincident timing response. Howard RM, et al. J Gen Psychol 1982 Apr; 106(Second Half):263–71
Fatigue. Bartley SH. Percept Mot Skills 1981 Dec;53(3):958
Influence of different types of physical fatigue on a visual detection task. Fleury M, et al. Percept Mot Skills 1981 Dec;53(3):723–30
[Physical exhaustion. An overview from the psychiatric standpoint] Faust V, et al. Med Monatsschr Pharm 1982 Jul;5(7):206–11 (Ger)

THERAPY

[Use of the oxygen cocktail for stimulating recovery processes in athletes] Dubrovskii VI, et al. Vopr Pitan 1982 Jan–Feb;(1):29–30 (Eng. Abstr.) (Rus)

URINE

The circadian covariation of fatigue and urinary melatonin. Akerstedt T, et al. Biol Psychiatry 1982 May;17(5):547–54

FATIGUE, MENTAL

[Effects of TV-game and healthy endurance running on biological functions (author's transl)] An'ei T. Nippon Eiseigaku Zasshi 1981 Feb;35(6):858–63 (Eng. Abstr.) (Jpn)

ETIOLOGY

[Weavers' maladaptation to 3-shift work with weekly rotation] Silion I, et al. Rev Med Chir Soc Med Nat Iasi 1981;85(1):95–8 (Eng. Abstr.) (Fre)
[Long-term adaptation of weavers to 3-shift work with weekly rotation] Stavri G, et al. Rev Med Chir Soc Med Nat Iasi 1981;85(1):89–93 (Eng. Abstr.) (Fre)

PHYSIOPATHOLOGY

Human muscle function and fatigue. Edwards RH. Ciba Found Symp 1981;(82):1–18
[CFF as an index of stress of operators of control desks working in constant motion (author's transl)] Ogiński A, et al. Przegl Lek 1981;38(9):695–700 (Eng. Abstr.) (Pol)

PREVENTION & CONTROL

[Psychosomatic autoregulation, an effective method of maintaining pilot work capacity during long flights] Mel'nik SG, et al. Voen Med Zh 1982 Apr;(4):47–50 (Rus)

FATS

Intravesical fat emulsion at computed tomography of bladder tumours. Ahlberg NE, et al. Acta Radiol [Diagn] (Stockh) 1981;22(6):645–7
Dermal myiasis: the porcine lipid cure. Sauder DN, et al. Arch Dermatol 1981 Nov;117(11):681–2
[Mycological survey of mayonnaise, salad dressings, margarine and shortening for standardization purposes (author's transl)] Udagawa S, et al. Eisei Shikenjo Hokoku 1981;99:151–3 (Eng. Abstr.) (Jpn)

ADMINISTRATION & DOSAGE

[The effects of the intravenous administration of glucose, amino acids and fat on the gastric acid secretion. (Clinical and experimental study) (author's transl)] Tajika S. Nippon Shokakibyo Gakkai Zasshi 1981 Dec 1; 78(12):2253–63 (Eng. Abstr.) (Jpn)

ANALYSIS

Formation of mutagens in cooked foods. IV. Effect of fat content in fried beef patties. Spingarn NE, et al. Cancer Lett 1981 Mar;12(1–2):93–7
Total fat and fatty acid composition of commercially available chocolate candies. Ahn PC, et al. J Am Diet Assoc 1981 Nov;79(5):552–4
Simple, low-cost method for determination of selected chlorinated pesticides in fat samples. Waliszewski SM, et al. J Assoc Off Anal Chem 1982 May;65(3):677–9
Dietary Aroclor 1254 in the milk fat of lactating beef cattle. Perry TW, et al. J Dairy Sci 1981 Nov;64(11):2262–5
[Normal values of the main stool constituents from age 1 year to puberty (author's transl)] Fraisse F, et al. Arch Fr Pediatr 1981 Nov;38(9):667–70 (Eng. Abstr.) (Fre)
[A rational method for the neutral fat dyeing of frozen sections embedded in gelatin] Kronawitter M. Pathologe 1981 Dec;3(1):51–2 (Ger)
[Refractometric determination of the fat base content in emulsion ointments (author's transl)] Rudischer S, et al. Pharmazie 1981;36(7):477–9 (Eng. Abstr.) (Ger)
[Physico-chemical characteristics of fat and fatty acid composition of lipids from camel milk] Orlov VK, et al. Vopr Pitan 1981 Sep–Oct;(5):67–9 (Rus)

METABOLISM

Circulating HDL-cholesterol levels are positively correlated with the extent of lymphatic fat transport. Christophe A, et al. Acta Cardiol [Suppl] (Brux) 1981;27:37–40
Effects of oral and intravenous fat administration on the levels of apoproteins A-I, A-II and C-III in human. Koga S, et al. Atherosclerosis 1982 Jan;41(1):115–24
Intravascular fat accumulation after Intralipid infusion in the very low-birth-weight infant. Hertel J, et al. J Pediatr 1982 Jun;100(6):975–6
Carnitine blood concentrations and fat utilization in parenterally alimented premature newborn infants. Schmidt-Sommerfeld E, et al. J Pediatr 1982 Feb; 100(2):260–4
[New results about the role of lipase, colipase and bile acids in the fat digestion (author's transl)] Müller G. Dtsch Z Verdau Stoffwechselkr 1980;40(6):246–52 (Eng. Abstr.) (Ger)

PHARMACODYNAMICS

Effect of tallow and choline chloride addition to the diet of sows milk composition, milk yield and preweaning pig performance. Boyd RD, et al. J Anim Sci 1982 Jan; 54(1):1–7

FATS, UNSATURATED

ADMINISTRATION & DOSAGE

Serum lipoproteins of healthy persons fed a low-fat diet or a polyunsaturated fat diet for three months. A comparison of two cholesterol-lowering diets. Brussaard JH, et al. Atherosclerosis 1982 Apr;42(2–3):205–19

PHARMACODYNAMICS

Reduction of blood pressure associated with dietary polyunsaturated fat. Iacono JM, et al. Hypertension 1982 Sep–Oct;4(5 Pt 2):III34–42

FATTY ACID CYCLO-OXYGENASE see **PROSTAGLANDIN SYNTHASE**

FATTY ACID DESATURASES

A resonance Raman study on the nature of charge-transfer interactions in butyryl CoA dehydrogenase. Williamson G, et al. FEBS Lett 1982 Feb 8;138(1):29–32

ANALYSIS

Evidence that the greening ligand in native butyryl-CoA dehydrogenase is a CoA persulfide. Williamson G, et al. J Biol Chem 1982 Apr 25;257(8):4314–20

ANTAGONISTS & INHIBITORS

Inhibition of general acyl CoA dehydrogenase by electron transfer flavoprotein semiquinone. Beckmann JD, et al. Biochem Biophys Res Commun 1981 Oct 30;102(4):1290–4
2-Mercaptoacetate administration depresses the beta-oxidation pathway through an inhibition of long-chain acyl-CoA dehydrogenase activity. Bauché F, et al. Biochem J 1981 Jun 15;196(3):803–9
Reduction of beta-oxidation capacity of rat liver mitochondria by feeding orotic acid. Miyazawa S, et al. Biochim Biophys Acta 1982 Jun 11;711(3):494–502
Inactivation of general acyl-CoA dehydrogenase from pig kidney by a metabolite of hypoglycin A. Wenz A, et al. J Biol Chem 1981 Oct 10;256(19):9809–12

BIOSYNTHESIS

Induction of acyl-CoA dehydrogenases and electron transfer flavoprotein and their roles in fatty acid oxidation in rat liver mitochondria. Furuta S, et al. J Biochem (Tokyo) 1981 Dec;90(6):1751–6

Studies on the metabolism of unsaturated fatty acids. VIII. Induction of 2,4-dienoyl-CoA reductase in Escherichia coli on the addition of unsaturated fatty acids. Mizugaki M, et al. **J Biochem (Tokyo)** 1982 Apr;91(4):1453-6

ISOLATION & PURIFICATION

A method for resolution of general acyl-coenzyme A dehydrogenase apoprotein. Mayer EH, et al. **Anal Biochem** 1981 Sep 1;116(1):227-9

Separation, properties, and regulation of acyl coenzyme A dehydrogenases from bovine heat and liver. Davidson B, et al. **Arch Biochem Biophys** 1982 Jan;213(1):155-62

Purification of muscle acyl-CoA dehydrogenases extracted from Astacus fluviatilis pallipes. Farnir JL, et al. **Int J Biochem** 1982;14(3):215-9

Purification and properties of rat liver acyl-CoA dehydrogenases and electron transfer flavoprotein. Furuta S, et al. **J Biochem (Tokyo)** 1981 Dec;90(6):1739-50

Acyl-CoA dehydrogenases from pig liver mitochondria. Hall CL. **Methods Enzymol** 1981;71 Pt C:375-85

Terminal enzyme of stearoyl-CoA desaturation from chicken liver. Joshi VC, et al. **Methods Enzymol** 1981;71 Pt C:252-8

Acyl-CoA dehydrogenase from pig kidney. Thorpe C. **Methods Enzymol** 1981;71 Pt C:366-74

METABOLISM

Effect of dietary trans fatty acids on the delta 5, delta 6 and delta 9 desaturases of rat liver microsomes in vivo. Mahfouz M. **Acta Biol Med Ger** 1981;40(12):1699-1705

Individual peroxisomal beta-oxidation enzymes. Hashimoto T. **Ann NY Acad Sci** 1982;386:5-12

Properties of a delta 5-fatty acyl-CoA desaturase in the cotyledons of developing Limnanthes alba. Moreau RA, et al. **Arch Biochem Biophys** 1981 Jul;209(2):376-84

Reactions of beta-(2-furyl)propionyl coenzyme A with 'general' fatty acyl-CpA dehydrogenase. McFarland JT, et al. **Biochemistry** 1982 Mar 16;21(6):1224-9

Stabilization of the red semiquinone form of pig kidney general acyl-CoA dehydrogenase by acyl coenzyme A derivatives. Mizzer JP, et al. **Biochemistry** 1981 Aug 18; 20(17):4965-70

Effects of temperature acclimation on Neurospora phospholipids. Fatty acid desaturation appears to be a key element in modifying phospholipid fluid properties. Martin CE, et al. **Biochim Biophys Acta** 1981 Sep 24;665(3):399-407

Interaction of phenols with delta 9 terminal desaturase and other cyanide-sensitive factors in chicken liver microsomes. Sreekrishna K, et al. **Biochim Biophys Acta** 1981 Sep 24;665(3):427-33

Interaction of long-chain acyl-CoA analogs with pig kidney general acyl-CoA dehydrogenase. Thorpe C, et al. **Eur J Biochem** 1981 Aug;118(2):279-82

delta 6-, delta 5-fatty acyl-CoA desaturases and gamma-linolenyl-CoA elongase in regenerating rat liver. Carreau JP, et al. **Int J Biochem** 1981;13(7):831-6

Changes in peroxisomal fatty acid oxidation in the diabetic rat liver. Horie S, et al. **J Biochem (Tokyo)** 1981 Dec; 90(6):1691-6

Mechanism and specificity of formation of long chain alcohols by developing rat brain. Bishop JE, et al. **J Biol Chem** 1981 Sep 25;256(18):9542-50

4-Bromocrotonic acid, an effective inhibitor of fatty acid oxidation and ketone body degradation in rat heart mitochondria. On the rate-determining step of beta-oxidation and ketone body degradation in heart. Olowe Y, et al. **J Biol Chem** 1982 May 25;257(10):5408-13

Mechanistic studies on fatty acyl-CoA dehydrogenase. Schmidt J, et al. **J Biol Chem** 1981 Nov 25;256(22):11667-70

Effects of dietary long-chain fatty acids on the rat biosynthesis of unsaturated fatty acids in the rat. De Schrijver R, et al. **J Nutr** 1982 Apr;112(4):619-26

The effects of dietary trilinoelaidin on fatty acid and acyl desaturases in rat liver. Shimp JL, et al. **J Nutr** 1982 Apr; 112(4):722-35

Stearoyl-coenzyme A desaturase activity in the mammary gland and liver of lactating rats. Calabro MA, et al. **Lipids** 1982 Jun;17(6):397-402

Effects of zinc deficiency and castration on fatty acid composition and desaturation in rats. Clejan S, et al. **Lipids** 1982 Mar;17(3):129-35

The influence of trans-acids on desaturation and elongation of fatty acids in developing brain. Cook HW. **Lipids** 1981 Dec;16(12):920-6

Zinc deficiency increases the rate of delta 6 desaturation of linoleic acid in rat mammary tissue. Cunnane SC, et al. **Lipids** 1981 Oct;16(10):771-4

Interrelationship between dietary trans Fatty acids and the 6- and 9-desaturases in the rat. De Schrijver R, et al. **Lipids** 1982 Jan;17(1):27-34

In vitro conversion of saturated to monounsaturated fatty acid by Ehrlich ascites cells. Mercuri O, et al. **Lipids** 1981 Dec;16(12):893-6

Incorporation into lipid classes of products from microsomal desaturation of isomeric trans-octadecenoic acids. Riisom T, et al. **Lipids** 1981 Sep;16(9):647-54

Loss of delta-6-desaturase activity as a key factor in aging. Horrobin DF. **Med Hypotheses** 1981 Sep;7(9):1211-20

A non-substrate-binding protein that stimulates microsomal stearyl-CoA desaturase. Jones DP, et al. **Methods Enzymol** 1981;71 Pt C:258-63

Spectrophotometric procedure for measuring mitochondrial beta-oxidation. Osmundsen H. **Methods Enzymol** 1981; 72:306-14

Nutritional and hormonal factors influencing desaturation of essential fatty acids. Brenner RR. **Prog Lipid Res** 1981; 20:41-7

Role of zinc in linoleic acid desaturation and prostaglandin synthesis. Cunnane SC, et al. **Prog Lipid Res** 1981;20:157-60

Thyroid hormone control over rat liver membrane lipids. Hoch FL. **Prog Lipid Res** 1981;20:225-8

Degradation of unsaturated fatty acids. 4-Enoyl-CoA reductase: purification, characterization and physiological function. Kunau WH, et al. **Prog Lipid Res** 1981;20:327-30

Effects of ethanol ingestion on the unsaturated fatty acids from various tissues. Reitz RC, et al. **Prog Lipid Res** 1981; 20:209-13

Influence of two haloalkanes on the redox behavior of hepatic microsomal cytochrome β-5 and its possible relationship to stearate desaturase. Ivanetich KM, et al. **Res Commun Chem Pathol Pharmacol** 1981 Dec; 34(3):473-84

FATTY ACID SYNTHETASE COMPLEX

Primary structure of a chymotryptic peptide containing the 'active serine' of the thioesterase domain of fatty acid synthase. Poulose AJ, et al. **Biochem Biophys Res Commun** 1981 Nov 30;103(2):377-82

ANALYSIS

Estimation of active and inactive forms of fatty acid synthase and acetyl-CoA carboxylase by immunotitration. Lornitzo FA, et al. **Methods Enzymol** 1981;71 Pt C:292-306

Assay of fatty acid synthase using a bicyclic dione as substrate. Ullman AH, et al. **Methods Enzymol** 1981; 72:303-6

ANTAGONISTS & INHIBITORS

Role of cysteine and 4'-phosphopantetheine in the inactivation of pigeon liver fatty acid synthetase by S-(4-bromo-2,3-dioxobutyl)-coenzyme A. Katiyar SS, et al. **Biochem Biophys Res Commun** 1982 Jan 29; 104(2):517-22

Chicken liver fatty acid synthetase dimer: evidence of asymmetrical structure from iodoacetamide inhibition studies. Kumar S, et al. **Biosci Rep** 1982 Mar;2(3):195-201

Cerulenin. Omura S. **Methods Enzymol** 1981;72:520-32

BIOSYNTHESIS

Identification of fatty acid synthetase messenger RNA on free polyribosomes isolated from lactating rabbit mammary gland. Craig R, et al. **Biochem J** 1981 Dec 1;199(3):789-93

Enzyme and protein turnover in adipose tissue in pregnancy and lactation. Sinnett-Smith PA, et al. **Biochim Biophys Acta** 1982 Jan 12;714(1):58-64

Isolation, translation in vitro, and partial purification of messenger RNA for fatty acid synthase from uropygial gland. Goodridge AG, et al. **Methods Enzymol** 1981;71 Pt C:139-50

GENETICS

An improved purification and further characterization of the messenger ribonucleic acid for the fatty acid synthetase from rat liver. Adachi K, et al. **Biochim Biophys Acta** 1982 Jun 30;697(3):295-304

Molecular cloning of gene sequences for avian fatty acid synthase and evidence for nutritional regulation of fatty acid synthase mRNA concentration. Morris SM Jr, et al. **J Biol Chem** 1982 Mar 25;257(6):3225-9

ISOLATION & PURIFICATION

Purification and crystallization of rat liver fatty acid synthetase. Linn TC. **Arch Biochem Biophys** 1981 Jul; 209(2):613-9

Rat mammary-gland fatty acid synthase. A simple purification procedure and stoicheiometry of CoA ester binding. Ahmad PM, et al. **Biochem J** 1982 Apr 1; 203(1):45-50

Purification and properties of fatty acid synthetase from a human breast cell line. Thompson BJ, et al. **Biochim Biophys Acta** 1981 Nov 13;662(1):125-30

The characteristics of some components of the fatty acid synthetase system in the plastids from the mesocarp of avocado (Persea americana) fruit. Caughey I, et al. **Eur J Biochem** 1982 Apr;123(3):553-61

Fatty acid synthetase from the Harderian gland of guinea pig: biosynthesis of methyl-branched fatty acids. Seyama Y, et al. **J Biochem (Tokyo)** 1981 Sep;90(3):789-97

Acetyl-CoA carboxylase from rat mammary gland (including an additional step yielding fatty acid synthase). Ahmad F, et al. **Methods Enzymol** 1981;71 Pt C:16-26

Acetyl-CoA carboxylase and fatty acid synthase from lactating rabbit and rat mammary gland. Hardie DG, et al. **Methods Enzymol** 1981;71 Pt C:26-33

Fatty acid synthase from red blood cells. Jenik RA, et al. **Methods Enzymol** 1981;71 Pt C:97-103

Fatty acid synthase from Cephalosporium caerulens. Kawaguchi A, et al. **Methods Enzymol** 1981;71 Pt C:117-20

Fatty acid synthase from pig liver. Kim IC, et al. **Methods Enzymol** 1981;71 Pt C:79-85

Medium-chain fatty acyl-s-4'-phosphopantetheine-fatty acid synthase thioester hydrolase from lactating rabbit and goat mammary glands. Knudsen J, et al. **Methods Enzymol** 1981;71 Pt C:200-29

Fatty acid synthase from the uropygial gland of goose. Kolattukudy PE, et al. **Methods Enzymol** 1981;71 Pt C:103-9

Thioesterase segment from the fatty acid synthase of the uropygial gland of goose. Kolattukudy PE, et al. **Methods Enzymol** 1981;71 Pt C:230-4

Fatty acid synthase from lactating bovine mammary gland. Kumar S, et al. **Methods Enzymol** 1981;71 Pt C:86-97

Fatty acid synthase from human liver. Roncari DA. **Methods Enzymol** 1981;71 Pt C:73-9

Long-chain fatty acyl-S-4'-phosphopantetheine-fatty acid synthase thioester hydrolase from rat. Smith S. **Methods Enzymol** 1981;71 Pt C:181-8

Medium-chain fatty acyl-s-4'-phosphopantetheine-fatty acid synthase thioester hydrolase from lactating mammary gland of rat. Smith S. **Methods Enzymol** 1981;71 Pt C:188-200

Cyclopropane fatty acid synthase from Escherichia coli. Taylor FR, et al. **Methods Enzymol** 1981;71 Pt C:133-9

METABOLISM

Alterations in lipogenic enzymes and lipoprotein lipase activity during gram-negative sepsis in the rat. Lanza-Jacoby S, et al. **Arch Surg** 1982 Feb;117(2):144-7

Effect of E. coli endotoxin on the structure-function of fatty acid synthetase lipoprotein. Gavilanes JG, et al. **Biochem Biophys Res Commun** 1981 Aug 31;101(4):1228-32

The reaction of chicken liver fatty acid synthetase with 5,5'-dithiobis(2-nitrobenzoic acid). Stoops JK, et al. **Biochem Biophys Res Commun** 1982 Feb 11;104(3):1018-24

Transacylation as a chain-termination mechanism in fatty acid synthesis by mammalian fatty acid synthetase. Synthesis of medium-chain-length (C8-C12) acyl-CoA esters by goat mammary-gland fatty acid synthetase. Knudsen J, et al. **Biochem J** 1982 Jan 15;202(1):139-43

Initiation of lipogenic enzyme activities in rat mammary glands. Martyn P, et al. **Biochem J** 1981 Jul 15; 198(1):187-92

Kinetic studies of the fatty acid synthetase multienzyme complex from Euglena gracilis variety bacillaris. Walker TA, et al. **Biochem J** 1981 Nov 1;199(2):383-92

Acetyl-CoA carboxylase and fatty acid synthetase activities in cytoplasmic preparations of porcine arteries. Cho BH. **Biochem Med** 1981 Aug;26(1):115-20

Investigation of reduced nicotinamide adenine dinucleotide phosphate and acyl-binding sites on avian fatty acid synthase. Cardon JW, et al. **Biochemistry** 1982 Jun 8; 21(12):2863-70

Early effect of myo-inositol deficiency on fatty acid synthetic enzymes of rat liver. Beach DC, et al. **Biochim Biophys Acta** 1982 Jun 11;711(3):452-9

Effect of dietary polyunsaturated fatty acids on the activity and content of fatty acid synthetase in mouse liver. Schwartz RS, et al. **Biochim Biophys Acta** 1982 May 13; 711(2):316-26

Development of the capacity of mouse mammary glands for medium chain fatty acid synthesis during pregnancy and lactation. Smith S, et al. **Biochim Biophys Acta** 1981 Jun 23;664(3):611-5

The fatty acid synthetase-structure-function relationship and mechanism of palmitate synthesis. Wakil SJ, et al. **Cardiovasc Res Cent Bull** 1981 Jul-Sep;20(1):1-23

Comparative studies on the kinetic parameters and product analyses of chicken and rat liver and yeast fatty acid synthetase. Aprahamian SA, et al. **Comp Biochem Physiol [B]** 1982;71(4):577-82

Synthesis of acetoacetyl-CoA by bovine mammary fatty acid synthase. Ghayourmanesh S, et al. **FEBS Lett** 1981 Sep 28;132(2):231-4

Evidence that the coenzyme A requirement for avian fatty acid synthase is not for the termination reaction. Poulose AJ, et al. **Int J Biochem** 1982;14(6):445-8

Effects of butylene and propylene glycols on body composition and fatty acid synthetase in lambs. Lane SF, et al. **J Anim Sci** 1981 Dec;53(6):1473-81

Propionyl-Coa induced synthesis of even-chain-length fatty acids by fatty acid synthetase from Brevibacterium ammoniagenes. Arai K, et al. **J Biochem (Tokyo)** 1982 Jan; 91(1):11-8

Steric course of deuterium incorporation from [2-2H2]malonyl-CoA into fatty acids by fatty acid synthetases. Saito K, et al. **J Biochem (Tokyo)** 1981 Dec; 90(6):1697-704

Fatty acid synthetase system in the regulation of membrane lipid synthesis in Escherichia coli after shifts in temperature. Okuyama H, et al. **J Biol Chem** 1982 May 10;257(9):4812-7

Limited elastase digestion of pigeon liver fatty acid synthetase with retention of all partial enzyme activities. Rabinowitz SS, et al. **J Biol Chem** 1982 Mar 25;257(6):3291-300

Purification and characterization of S-acyl fatty acid synthase thioester hydrolase which modifies the product specificity of fatty acid synthase in the uropygial gland of mallard. Rogers L, et al. **J Biol Chem** 1982 Jan 25;257(2):880-6

The free coenzyme A requirement of animal fatty acid synthetase. Participation in the continuous exchange of acetyl and malonyl moieties between coenzyme a thioester and enzyme. Stern A, et al. **J Biol Chem** 1982 Jan 25;

257(2):799–803
Animal fatty acid synthetase. Identification of the residues comprising the novel arrangement of the beta-ketoacyl synthetase site and their role in its cold inactivation. Stoops JK, et al. **J Biol Chem** 1982 Mar 25;257(6):3230–5
Localization of thioesterase II, the chain-length regulatory enzyme of milk fatty acid synthesis, in rat mammary gland epithelial cells. Nolin JM, et al. **J Endocrinol** 1982 Aug; 94(2):251–6
Suppression of rat liver fatty acid synthesis by eicosa-5,8,11,14-tetraynoic acid without a reduction in lipogenic enzymes. Clarke BA, et al. **J Nutr** 1982 Jun; 112(6):1212–9
Comparative studies of adaptive responses of fatty acid synthetase activities in rat liver and adipose tissue. Kim M, et al. **J Nutr** 1981 Nov;111(11):1985–95
A model for the mechanism of action of animal fatty acid synthetases. Kumar S. **J Theor Biol** 1982 Mar 21; 95(2):263–83

PHYSIOLOGY

Fluorescence studies on the lipoprotein complex of the fatty acid synthetase from the insect Ceratitis capitata. Gavilanes JG, et al. **Biochemistry** 1981 Sep 29;20(20):5689–94

FATTY ACIDS

5-(dimethylamino)naphthalene-1-sulfonic acid, a fluorescent probe of the medium chain fatty acid binding site of serum albumin. Doody MC, et al. **Biochemistry** 1982 Jan 5; 21(1):28–33
Nanosecond fluorescence anisotropy decays of n-(9-anthroyloxy) fatty acids in dipalmitoylphosphatidylcholine vesicles with regard to isotropic solvents. Vincent M, et al. **Biochemistry** 1982 Feb 16;21(4):708–16
The chemical structure of lipid A. Demonstration of amide-linked 3-acyloxyacyl residues in Salmonella minnesota Re lipopolysaccharide. Wollenweber HW, et al. **Eur J Biochem** 1982 May;124(1):191–8
The fatty acid solvates of griseofulvin-desolvation data. Grant DJ, et al. **J Pharm Pharmacol** 1981 Sep;33(9):619–20
Structure and occurrence of unusual fatty acids in minor seed oils. Badami RC, et al. **Prog Lipid Res** 1980;19(3-4):119–53 (174 ref.)
[Use of natural sources in the preparation of biologically active compounds. I: Prostanoids] Barreiro EJ, et al. **An Acad Bras Cienc** 1981 Mar;53(1):61–3 (Eng. Abstr.) **(Por)**

ADMINISTRATION & DOSAGE

Sclerotherapist's eye [letter] Herlihy KJ, et al. **Gastrointest Endosc** 1982 Feb;28(1):42–3
The blood-brain barrier in rats fed on diets high or low in saturated/unsaturated fat ratio. Phillips SC, et al. **J Neurol Sci** 1982 May;54(2):279–85

ADVERSE EFFECTS

Esophageal ulceration and bleeding after flexible fiberoptic esophageal vein sclerosis. Ayres SJ, et al. **Gastroenterology** 1982 Jul;83(1 Pt 1):131–6

ANALYSIS

Fatty acid composition of serum and adipose tissue lipids in males with chronic renal failure. Relations to serum lipoproteins and clinical factors. Norbeck HE, et al. **Acta Med Scand** 1982;211(1-2):75–85
Method for isolation of gardnerella vaginalis (Haemophilus vaginalis). Characterization of isolates by gas chromatography. Csángó PA, et al. **Acta Pathol Microbiol Immunol Scand [B]** 1982 Apr; 90(2):89–93
Feasibility of automated head-space gas chromatography in identification of anaerobic bacteria. Larsson L, et al. **Acta Pathol Microbiol Immunol Scand [B]** 1982 Apr; 90(2):125–30
Use of selected ion monitoring for detection of tuberculostearic and C32 mycocerosic acid in mycobacteria and in five-day-old cultures of sputum specimens from patients with pulmonary tuberculosis. Larsson L, et al. **Acta Pathol Microbiol Scand [B]** 1981 Aug;89(4):245–51
Fatty acid and polar lipid analysis as tools in the identification of Mycobacterium leprae and some related slow-growing mycobacterial species. Andersen O, et al. **Ann Microbiol (Paris)** 1982 Jul-Aug;133(1):29–37
Acyl chains of phospholipids and their variation with age in Streptomyces griseus. Verma JN, et al. **Antonie Van Leeuwenhoek** 1981;47(4):307–10
Fatty acid and lipid composition of the monkey retina in diet-induced hypercholesterolemia. Hyman BT, et al. **Atherosclerosis** 1981 Nov-Dec;40(3-4):321–8
Modification of the fatty acid composition of phospholipid in measles virus-persistently infected cells. Anderton P, et al. **Biochem Biophys Res Commun** 1981 Nov 16; 103(1):285–91
Fatty acid composition of mammary gland lipids of lactating and nonlactating buffaloes. Prabhakar MR, et al. **Biochem Exp Biol** 1980;16(4):397–402
Magnetic nonequivalence of the two fatty acid chains in phospholipids of small unilamellar vesicles and mixed micelles. De Bony J, et al. **Biochemistry** 1981 Sep 1; 20(18):5256–60
Adaptive modification of membrane lipids in Tetrahymena pyriformis during starvation. Alterations in phospholipid composition and positional distribution of fatty acyl chains. Kasai R, et al. **Biochim Biophys Acta** 1981 Oct 23; 666(1):36–46
Tightly (covalently) bound fatty acids in cell membrane proteins. Marinetti GV, et al. **Biochim Biophys Acta** 1982 Feb 23;685(2):109–16
Branched fatty acids from Mycobacterium aurum. Rafidinarivo E, et al. **Biochim Biophys Acta** 1982 May 13; 711(2):266–71
Kinetic study of fatty acid composition of day 7 to day 14 cow embryos. Menezo Y, et al. **Biol Reprod** 1982 Jun; 26(5):787–90
Lipid level and total fatty acid composition for selected developmental stages of Entomophthora egressa. Dunphy GB, et al. **Can J Microbiol** 1981 Jul;27(7):670–4
Characterization of Bacteroides gingivalis by direct fluorescent antibody staining and cellular fatty acid profiles. Lambe DW Jr, et al. **Can J Microbiol** 1982 Apr; 28(4):367–74
The effect of temperature and other growth conditions on the fatty acid composition of Escherichia coli. McGarrity JT, et al. **Can J Microbiol** 1981 Aug;27(8):835–40
Abnormal fatty acid breath tests in cancer patients, with nutritional correlation. Delaney WE, et al. **Cancer** 1982 Aug 15;50(4):727–31
Fatty acids of Trypanosoma cruzi. Timm SL, et al. **Comp Biochem Physiol [B]** 1982;71(3):397–402
The relative fatty acid composition of serum lecithin in preeclampsia. Rosing U. **Diagn Gynecol Obstet** 1982 Summer;4(2):107–13
Effect of pinealectomy on fatty acid composition of rat brain myelin. Kamback DO, et al. **Endocrinology** 1982 Mar; 110(3):907–9
Fatty acid composition of serum lecithin in healthy children. Alling C, et al. **Eur J Pediatr** 1981 Oct;137(2):197–201
Composition of cellular fatty acids in unidentified non-pathogenic corynebacteria. Seidlová A, et al. **Folia Microbiol (Praha)** 1982;27(3):191–4
Fatty acid composition of oil synthesized by Aspergillus nidulans. Sharma ND, et al. **Folia Microbiol (Praha)** 1981; 26(4):314–6
Temperature-induced alterations in phospholipid & fatty acid composition of Microsporum species. Bansal VS, et al. **Indian J Biochem Biophys** 1981 Feb;18(1):74–5
Total fat and fatty acid composition of commercially available chocolate candies. Ahn PC, et al. **J Am Diet Assoc** 1981 Nov;79(5):552–4
Identification of an active principle of antitumor antibiotic jawaharene with a mixture of long chain fatty acids. Das AK, et al. **J Antibiot (Tokyo)** 1982 Jan;35(1):92–3
Sporulation in Bacillus subtilis is independent of membrane fatty acid composition. Boudreaux DP, et al. **J Bacteriol** 1981 Nov;148(2):480–6
Characteristic lipids of Bordetella pertussis: simple fatty acid composition, hydroxy fatty acids, and an ornithine-containing lipid. Kawai Y, et al. **J Bacteriol** 1982 Aug;151(2):996–1005
Synthesis and assembly of membrane glycoproteins. Membrane anchoring COOH-terminal domain of vesicular stomatitis virus envelope glycoprotein G contains fatty acids. Capone J, et al. **J Biol Chem** 1982 Jan 10;257(1):16–9
Paper chromatographic separation of phosphate esters, tricarboxylic cycle acids and amino acids in extracts from malaria parasites. Ali SN. **J Chromatogr** 1981 Sep 18; 214(1):111–7
Cellular fatty acid and soluble protein composition of Actinobacillus actinomycetemcomitans and related organisms. Calhoon DA, et al. **J Clin Microbiol** 1981 Oct; 14(4):376–82
Cellular fatty acid composition of organisms frequently associated with human infections resulting from dog bites: Pasteurella multocida and groups of EF-4, IIj, M-5, and DF-2. Dees SB, et al. **J Clin Microbiol** 1981 Dec; 14(6):612–6
Cellular fatty acid composition of Legionella longbeachae sp. nov. Moss CW, et al. **J Clin Microbiol** 1981 Dec; 14(6):692–4
Cellular fatty acid composition of Haemophilus equigenitalis. Sugimoto C, et al. **J Clin Microbiol** 1982 May;15(5):791–4
Luminal ions and short chain fatty acids as markers of functional activity of the mucosa in ulcerative colitis. Roediger WE, et al. **J Clin Pathol** 1982 Mar;35(3):323–6
Positional distribution of fatty acids in the triglyceride classes of milk fat. Parodi PW. **J Dairy Res** 1982 Feb;49(1):73–80
Ischaemic heart disease and the proportions of hydrogenated fat and ruminant-animal fat in adipose tissue at post-mortem examination: a case-control study. Thomas LH, et al. **J Epidemiol Community Health** 1981 Dec; 35(4):251–5
Chemical studies as a guide to the classification of Corynebacterium pyogenes and 'Corynebacterium haemolyticum'. Collins MD, et al. **J Gen Microbiol** 1982 Feb;128(Pt 2):335–41
Fatty acids of Fusobacterium species: taxonomic implications. Jantzen E, et al. **J Gen Microbiol** 1981 Mar;123(Pt 1):163–71
Effect of preincubation temperature on the heat resistance of Escherichia coli having different fatty acid compositions. Katsui N, et al. **J Gen Microbiol** 1981 Feb;122(Pt 2):357–61
Variability in the fatty acid composition of wax esters from vernix caseosa and its possible relation to sebaceous gland activity. Stewart ME, et al. **J Invest Dermatol** 1982 Apr; 78(4):291–5
Studies on fat digestion, absorption, and transport in the suckling rat. I. Fatty acid composition and concentrations of major lipid components. Fernando-Warnakulasuriya GJ, et al. **J Lipid Res** 1981 May;22(4):668–74
Human tissue lipids: occurrence of fatty acid isomers from dietary hydrogenated oils. Ohlrogge JB, et al. **J Lipid Res** 1981 Aug;22(6):955–60
Intrauterine growth retardation (malnutrition by vascular ligation) induces modifications in fatty acid composition of neurons and oligodendrocytes. Morand O, et al. **J Neurochem** 1981 Oct;37(4):1057–60
Brain cortical fatty acids and phospholipids during and following complete and severe incomplete ischemia. Rehncrona S, et al. **J Neurochem** 1982 Jan;38(1):84–93
Accumulation of very long chain fatty acids is common to 3 variants of adrenoleukodystrophy (ALD). 'Classical' ALD, atypical ALD (female patient) and adrenomyeloneuropathy. Molzer B, et al. **J Neurol Sci** 1981 Aug;51(2):301–10
Effect of essential fatty acid deficiency and high fat diet on fatty acid composition of rat gingiva. Alam SQ, et al. **J Periodont Res** 1980 Nov;15(6):633–7
Thiram-induced disturbance of microsomal phospholipid bioformation and phospholipid fatty acid pattern. Leyck S, et al. **J Toxicol Environ Health** 1981 Mar-Apr; 7(3-4):533–45
Correlation of fatty acyl composition of mitochondrial and microsomal phospholipid with growth rate of rat hepatomas. Hartz JW, et al. **Lab Invest** 1982 Jan;46(1):73–8
Changes of fatty acid composition of phospholipids in liver mitochondria and microsomes of the rat during growth. Keränen A, et al. **Lipids** 1982 Mar;17(3):155–9
Positional specificity of trans fatty acids in fetal lecithin. Moore CE, et al. **Lipids** 1981 Jul;16(7):479–84
Positional distribution of fatty acids in triglycerides from milk of several species of mammals. Parodi PW. **Lipids** 1982 Jun;17(6):437–42
Fatty acid composition and pairing in phospholipids of rod outer segments. Miljanich GP, et al. **Methods Enzymol** 1982;81:806–15
Comparison of fatty acid fingerprints of streptococci of Lancefield groups A, D, E, F, G, H, K, O, P and Q. Drucker DB. **Microbios** 1981;31(125-126):183–8
Fatty acid composition of „Bebiko' infant formula determined by support-coated open tubular gas chromatography. Wasowicz E, et al. **Nahrung** 1981;25(6):599–603
The prenatal diagnosis of adrenoleukodystrophy. Demonstration of increased hexacosanoic acid levels in cultured amniocytes and fetal adrenal gland. Moser HW, et al. **Pediatr Res** 1982 Mar;16(3):172–5
Fatty acid content and composition of phospholipids from the endoplasmic reticulum in developing rat liver. Dhami MS, et al. **Res Commun Chem Pathol Pharmacol** 1981 Apr; 32(1):99–111
Fatty acid composition of adipose tissue, blood, lipids, and glucose tolerance in patients with different degrees of angiographically documented coronary arteriosclerosis. Lang PD, et al. **Res Exp Med (Berl)** 1982;180(2):161–8
Fatty acid composition of human breast milk. Changes during the first week after delivery. Rodkiewicz B, et al. **Ups J Med Sci** 1981;86(3):279–89
Biochemical characteristics of non-streptomycin-producing mutants of Streptomyces griseus. II. Lipids and fatty acid composition of vegetative mycelia. Gräfe U, et al. **Z Allg Mikrobiol** 1982;22(2):97–106
Fatty acid composition of lipids of Escherichia coli W 1655 F+ and its stable protoplast type L-form. Gumpert J, et al. **Z Allg Mikrobiol** 1982;22(3):169–74
Possible orientation of the fatty acid chains in lipopolysaccharide. Formanek H. **Z Naturforsch [C]** 1982 May-Jun;37(5-6):428–40
Enterobacteria differentiated by gas-liquid chromatography of metabolites. Salveson A, et al. **Zentral Bakteriol Mikrobiol Hyg [A]** 1981;250(1-2):104–12
[Changes in the brain content of lipids and the fatty acid composition after treatment with carbachol, arecoline, and nicotine] Venkov L, et al. **Eksp Med Morfol** 1982; 21(1):13–8 **(Bul)**
[Composition of fatty acids in serum lecithins in multiple sclerosis] Tichý J, et al. **Cesk Neurol Neurochir** 1981 Sep; 44(5):306–13 (Eng. Abstr.) **(Cze)**
[Carbohydrate and liquid constituents in bacterial ribosome preparations purified by density gradient ultracentrifugation] Bienvenu P, et al. **C R Seances Acad Sci [III]** 1981 Jun 1;292(20):1113–6 (Eng. Abstr.) **(Fre)**
[Significance of bound fatty acids in human sperm in fertility disorders] Nissen HP, et al. **Andrologia** 1981 Sep-Oct; 13(5):444–51 (Eng. Abstr.) **(Ger)**
[Differentiation of pathogenic clostridia from material collected in the field and of reference strains by means of biostatistical analysis of the quantitatively recorded metabolic fatty acid patterns of the agents (author's transl)] Seifert HS, et al. **Zentral Bakteriol Mikrobiol Hyg [A]** 1981 Dec;251(1):83–113 (Eng. Abstr.) **(Ger)**
[Gas chromatographic analysis of fatty acids of ascitic fluid in ovarian carcinoma] Lantieri PB, et al. **Boll Soc Ital Biol Sper** 1981 Aug 15;57(15):1627–9 (Eng.

Abstr.) (Ita)
[Gas–chromatographic evaluation of the fatty–acid composition or ovarian cyst fluid] Lantieri PB, et al. **Minerva Ginecol** 1981 Dec;33(12):1087–92 (Eng. Abstr.) (Ita)
[Growth and fatty acid composition of Clostridium perfringens cells under constant pH values] Rudichenko VF, et al. **Izv Akad Nauk SSSR [Biol]** 1982;(1):106–12 (Eng. Abstr.) (Rus)
[Fatty acid composition of bacteria in the genus Xanthomonas] Matyshevskaia MS, et al. **Mikrobiol Zh** 1981 Jul–Aug;43(4):448–54 (Eng. Abstr.) (Rus)
[Effect of passage on the fatty acid composition of the lipids in Clostridium perfringens A] Siniak KM, et al. **Mikrobiol Zh** 1982 Jan–Feb;44(1):25–8 (Eng. Abstr.) (Rus)
[Characteristics of the fatty acid composition of Providencia alcalifaciens and Providencia stuartii lipids] Vasiurenko ZP, et al. **Mikrobiologiia** 1982 Jan–Feb;51(1):54–9 (Eng. Abstr.) (Rus)
[Comparative study of the higher fatty acids of M. tuberculosis and M. bovis lipids] Pinchuk LM, et al. **Probl Tuberk** 1982 Mar;(3):62–5 (Eng. Abstr.) (Rus)
[Fatty–acid composition of lipids and physicochemical characteristics of membrane fractions and the membrane of endoplasmic reticulum of thymus and Pliss' lymphosarcoma] Sherban SD, et al. **Ukr Biokhim Zh** 1982 May–Jun;54(3):298–306 (Eng. Abstr.) (Rus)
[Fatty acid composition of lipid fractions of arterial walls, blood plasma and adipose tissue after sudden death from coronary disease] Aptekar' SG, et al. **Vopr Med Khim** 1981; 27(4):514–8 (Eng. Abstr.) (Rus)
[Physico–chemical characteristics of fat and fatty acid composition of lipids from camel milk] Orlov VK, et al. **Vopr Pitan** 1981 Sep–Oct;(5):67–9 (Rus)
[Physicochemical fat indices and the fatty acid composition of the lipids in mare's milk and shubath (sour camel's milk)] Orlov VK, et al. **Vopr Pitan** 1982 Mar–Apr;(2):59–61 (Eng. Abstr.) (Rus)
[Lipid fatty acid composition of the blood and organs in experimental and enteral feeding] Stoianova VG, et al. **Vopr Pitan** 1982 Mar–Apr;(2):35–9 (Eng. Abstr.) (Rus)
[Fatty acid composition of the bilayer phospholipids in the photoreceptor membranes and aminophospholipids from the rhodopsin microenvironment of warm–blooded and cold–blooded vertebrates] Tiurin VA, et al. **Zh Evol Biokhim Fiziol** 1982 Jan–Feb;18(1):101–4 (Eng. Abstr.) (Rus)
[Fatty acids of cerebrosides as a myelination index] Molinuevo ML, et al. **Acta Cient Venez** 1981;32(2):187–9 (Eng. Abstr.) (Spa)
[Action of silymarin on the fatty acid composition of the hepatic lipids of estrogenized chickens] Sánchez García JA, et al. **Arch Farmacol Toxicol** 1981 Apr;7(1):143–50 (Spa)
[Oil seeds from the American tropics] Zúñiga Rojas J. **Arch Latinoam Nutr** 1981 Jun;31(2):350–70 (Eng. Abstr.) (Spa)

BIOSYNTHESIS

Effectors of fatty acid synthesis in hepatoma tissue culture cells. Mapes JP, et al. **Arch Biochem Biophys** 1982 Apr 1;214(2):782–91
The effects of orthovanadate on fatty acid synthesis in isolated rat hepatocytes. Agius L, et al. **Biochem J** 1982 Mar 15;202(3):791–4
Light control of fatty acid synthesis and diurnal fluctuations of fatty acid composition in leaves. Browse J, et al. **Biochem J** 1981 Apr 15;196(1):347–54
Important sites of lipogenesis in the mouse other than liver and white adipose tissue. Hollands MA, et al. **Biochem J** 1981 May 15;196(2):645–7
Inhibition of plant fatty acid synthesis by nitroimidazoles. Jones AV, et al. **Biochem J** 1981 Jul 15;198(1):193–8
Fatty acid elongation by a particulate fraction from germinating pea. Jordan BR, et al. **Biochem J** 1980 Dec 1;191(3):791–7
Transacylation as a chain–termination mechanism in fatty acid synthesis by mammalian fatty acid synthetase. Synthesis of medium–chain–length (C8–C12) acyl–CoA esters by goat mammary–gland fatty acid synthetase. Knudsen J, et al. **Biochem J** 1982 Jan 15;202(1):139–43
Evidence for a high fatty acid synthesis activity in interscapular brown adipose tissue of genetically obese Zucker rats. Lavau M, et al. **Biochem J** 1982 May 15; 204(2):503–7
The use of clustering techniques in the elucidation or confirmation of metabolic pathways. Application to the branched–chain fatty acids present in the milk fat of lactating goats. Massart–Leën AM, et al. **Biochem J** 1981 May 15;196(2):611–8
Lipase–induced alterations of fatty acid synthesis by subcellular fractions from germinating pea (Pisum sativum L.). Sanchez J, et al. **Biochem J** 1982 May 15;204(2):463–70
Products of fatty acid synthesis by a particulate fraction from germinating pea (Pisum sativum L.). Sanchez J, et al. **Biochem J** 1981 Oct 1;199(1):221–6
Thyroid hormone stimulation of Lipogenesis in isolated rat hepatocytes. Gnoni GV, et al. **Biochem Med** 1980 Dec; 24(3):336–47
Parallel increases in rates of fatty acid synthesis and in pyruvate dehydrogenase activity in isolated rat hepatocytes incubated with insulin. Assimacopoulos–Jeannet F, et al. **Biochim Biophys Acta** 1982 Jul 16;717(1):86–90
De novo fatty acid synthesis in the perfused rat lung. Incorporation of palmitate into phospholipids. Buechler KF, et al. **Biochim Biophys Acta** 1981 Sep 24;665(3):393–8
The effects of cerulenin on lipid metabolism in vitro in cellular preparations from the rat. Christie WW, et al. **Biochim Biophys Acta** 1981 Nov 23;666(2):284–90
Studies on cyclopropane fatty acid synthesis. Correlation between the state of reduction of respiratory components and the accumulation of methylene hexadecanoic acid by Pseudomonas denitrificans. Jacques NA. **Biochim Biophys Acta** 1981 Aug 24;665(2):270–82
De novo fatty acid synthesis in developing rat lung. Maniscalco WM, et al. **Biochim Biophys Acta** 1982 Apr 15;711(1):49–58
L–Lactate as a source of carbon for fatty acid synthesis in adult and foetal sheep. Robertson JP, et al. **Biochim Biophys Acta** 1981 Sep 24;665(3):511–8
Fatty acid synthesis in mouse brown adipose tissue. The influence of environmental temperature on the proportion of whole–body fatty acid synthesis in brown adipose tissue and the liver. Trayhurn P. **Biochim Biophys Acta** 1981 Jun 23;664(3):549–60
Suppression of fatty acids synthesis in brown adipose tissue of mice fed diets rich in long chain fatty acids. Van den Brandt PA, et al. **Biochim Biophys Acta** 1981 Sep 24; 665(3):602–7
Fatty acid and acylglycerol glycerol synthesis in isolated liver cells from foetal lambs. Faulkner A, et al. **Comp Biochem Physiol [B]** 1982;72(1):169–71
Biosynthesis of branched–chain fatty acids from branched–chain amino acids in subcutaneous tissue of the marine little toothed whale, Stenella caeruleo–alba. Morii H, et al. **Comp Biochem Physiol [B]** 1982;71(3):357–65
Tricarboxylic acid cycle intermediates and the control of fatty acid synthesis and ketogenesis. Lane MD, et al. **Curr Top Cell Regul** 1981;18:221–42
Lipid–synthesis–dependent biosynthesis (or assembly) of major outer–membrane proteins of Escherichia coli. Bocquet–Pages C, et al. **Eur J Biochem** 1981 Aug; 118(1):105–11
Control of ketogenesis and fatty–acid synthesis at the mitochondrial branch–point for acetyl–CoA in the chick liver cell: effect of adenosine 3',5'–monophosphate. Mooney RA, et al. **Eur J Biochem** 1982 Jan;121(2):281–7
Levansucrase of Bacillus subtilis: Conclusive evidence that its production and export are unrelated to fatty–acid synthesis but modulated by membrane–modifying agents. Petit–Glatron MF, et al. **Eur J Biochem** 1981 Oct; 119(3):603–11
The effects of lactate and acetate on fatty acid and cholesterol biosynthesis by isolated rat hepatocytes. Beynen AC, et al. **Int J Biochem** 1982;14(3):165–9
Effects of growth hormone on fatty acid synthesis in sheep adipose tissue. Vernon RG. **Int J Biochem** 1982;14(4):255–8
Overproduction of cis–vaccenic acid and altered temperature control of fatty acid synthesis in a mutant of Escherichia coli. de Mendoza D, et al. **J Bacteriol** 1982 Sep; 151(3):1608–11
Regulation of fatty acid composition in Escherichia coli: a proposed common mechanism for changes induced by ethanol, chaotropic agents, and a reduction of growth temperature. Ingram LO. **J Bacteriol** 1982 Jan; 149(1):166–72
Isolation and characterization of acyl coenzyme A carboxylases from Mycobacterium tuberculosis and Mycobacterium bovis, which produce multiple methyl–branched mycocerosic acids. Rainwater DL, et al. **J Bacteriol** 1982 Aug;151(2):905–11
Propionyl–Coa induced synthesis of even–chain–length fatty acids by fatty acid synthetase from Brevibacterium ammoniagenes. Arai K, et al. **J Biochem (Tokyo)** 1982 Jan; 91(1):11–8
Increased synthesis of hexacosanoic acid (C23:0) by cultured skin fibroblasts from patients with adrenoleukodystrophy (ALD) and adrenomyeloneuropathy (AMN). Tsuji S, et al. **J Biochem (Tokyo)** 1981 Oct;90(4):1233–6
Biosynthetic control of the natural abundance of carbon 13 at specific positions within fatty acids in Saccharomyces cerevisiae. Isotopic fractionation in lipid synthesis as evidence for peroxisomal regulation. Monson KD, et al. **J Biol Chem** 1982 May 25;257(10):5568–75
Regulation of sphingomyelin long chain base synthesis in human fibroblasts in culture. Role of lipoproteins and the low density lipoprotein receptor. Verdery RB 3d, et al. **J Biol Chem** 1982 Feb 10;257(3):1412–7
Metabolism of 2–hexadecynoate and inhibition of fatty acid elongation. Wood R, et al. **J Biol Chem** 1981 Dec 10; 256(23):12379–86
Role of fatty acid synthesis in the control of insulin–stimulated glucose utilization by rat adipocytes. Fried SK, et al. **J Lipid Res** 1981 Jul;22(5):753–62
Suppression of rat liver fatty acid synthesis by eicosa–5,8,11,14–tetraynoic acid without a reduction in lipogenic enzymes. Clarke BA, et al. **J Nutr** 1982 Jun; 112(6):1212–9
Triiodothyronine and adipose conversion of OB17 preadipocytes : binding to high affinity sites and effects on fatty acid synthetizing and esterifying enzymes. Gharbi–Chihi J, et al. **J Recept Res** 1981;2(2):153–73
Effects of fowlpox virus infection on lipid metabolism in cultured chicken embryo cells. Buttke TM, et al. **J Virol** 1982 Aug;43(2):749–52
Hepatic contribution to newly made fatty acids in adipose tissue in rats and inhibition of hepatic and extrahepatic lipogenesis from glucose by dietary corn oil. Baker N, et al. **Lipids** 1981 Aug;16(8):568–76
Fatty acid and cholesterol synthesis from specifically labeled leucine by isolated rat hepatocytes. Mathias MM, et al. **Lipids** 1981 Oct;16(10):739–43
Comparative studies on fatty acid synthesis, glycogen metabolism, and gluconeogenesis by hepatocytes isolated from lean and obese Zucker rats. McCune SA, et al. **Metabolism** 1981 Dec;30(12):1170–8
Regulation of lipid synthesis in hepatocytes from lean and obese Zucker rats. Triscari J, et al. **Metabolism** 1981 Nov; 30(11):1135–42
Fatty acid synthesis in rat fetuses with intrauterine growth retardation. Vileisis RA, et al. **Metabolism** 1982 Mar; 31(3):217–22
5–(Tetradecyloxy)–2–furoic acid. Harris RA, et al. **Methods Enzymol** 1981;72:552–9
Cerulenin. Omura S. **Methods Enzymol** 1981;72:520–32
Energy costs of protein and fatty acid synthesis. Reeds PJ, et al. **Proc Nutr Soc** 1982 Jun;41(2):155–9 (15 ref.)
[Dependence of rumen fatty acid production on the composition of rations] Lebzien P, et al. **Arch Tierernahr** 1981 Oct;31(10):685–96 (Eng. Abstr.) (Ger)
[Formation of biosynthetic systems for higher saturated fatty acids in the evolutionary process] Alimova EK, et al. **Zh Evol Biokhim Fiziol** 1982 Mar–Apr;18(2):178–83 (Rus)

BLOOD

Fatty acid composition of equine erythrocytes. Luther DG, et al. **Am J Vet Res** 1982 Jun;43(6):1006–8
Lecithin:cholesterol acyltransferase and serum fatty acids. Yao JK, et al. **Artery** 1981;9(4):262–74
Identification of a 'urinary–type' metabolite of prostaglandin F2 alpha in the rat circulation. Edwards NS, et al. **Biochim Biophys Acta** 1982 May 13;711(2):369–71
Stimulation of fatty acid methylation in human red cell membranes by phospholipase A2 activation. Engelsen SJ, et al. **Biochim Biophys Acta** 1982 Jun 11;711(3):515–20
Fatty acid pattern of the erythrocyte lipids and plasma vitamin E in the first days of life. Ciccoli L, et al. **Biol Neonate** 1981;40(3–4):187–95
Unaltered serum propranolol binding by meal–induced variations in fatty acids. Naranjo CA, et al. **Br J Clin Pharmacol** 1982 Apr;13(4):575–6
Plasma and erythrocyte membrane fatty acids in oral contraceptive users. Fehily AM, et al. **Clin Chim Acta** 1982 Mar 26;120(1):41–7
The phospholipid and fatty acid composition of human platelet surface and intracellular membranes isolated by high voltage free flow electrophoresis. I agarde M, et al. **J Biol Chem** 1982 Mar 25;257(6):3100–4
Glass capillary gas chromatography of the serum fatty acid fraction via automatic injection of lipid extracts. Mueller HW, et al. **J Chromatogr** 1982 Mar 12;228:75–93
Changes in red cell membrane fatty acids in patients receiving total parenteral nutrition supplemented with a safflower oil emulsion. Bryant PJ, et al. **JPEN** 1982 May–Jun; 6(3):200–3
Monitoring intravenous fat emulsions in neonates with the fatty acid/serum albumin molar ratio. Kerner JA Jr, et al. **JPEN** 1981 Nov–Dec;5(6):517–8
Ether lipid content and fatty acid distribution in rabbit polymorphonuclear neutrophil phospholipids. Mueller HW, et al. **Lipids** 1982 Feb;17(2):72–7
Glucose and fatty acid kinetics in fasted rats: effects of previous protein intake. Royle GT, et al. **Metabolism** 1982 Mar;31(3):279–83
Adrenoleukodystrophy: increased plasma content of saturated very long chain fatty acids. Moser HW, et al. **Neurology (NY)** 1981 Oct;31(10):1241–9
The effects of cobalt on the composition of phospholipid fatty acids in rabbit erythrocytes. Kuno Y, et al. **Nippon Eiseigaku Zasshi** 1981 Feb;35(6):831–40
Fatty acid profiles of serum phospholipids in patients suffering rheumatoid arthritis. Bruderlein H, et al. **Prog Lipid Res** 1981;20:625–31
Influence of trans–90, trans–12–, and cis–12–octadecenoic acid isomers on fatty acid composition of human plasma lipids. Emken EA. **Prog Lipid Res** 1981;20:135–41
[Ethanol and its effect on glycaemia and lipacidaemia (author's transl)] Stork A, et al. **Cas Lek Cesk** 1981 Oct 8;120(40):1223–4 (Eng. Abstr.) (Cze)
[Study on fat absorption and plasma fatty acid composition in patients with protein—losing enteropathy from view point of disorders of intestinal lymphatics (author's transl)] Miura S, et al. **Nippon Shokakibyo Gakkai Zasshi** 1981 Nov; 78(11):2112–21 (Eng. Abstr.) (Jpn)
[Effect of nutrition on serum fatty acid composition in neonates and infants in the 1st trimester of life] Iwańczak F, et al. **Pol Tyg Lek** 1981 May 25;36(21):745–9 (Eng. Abstr.) (Pol)
[Intensity of free radical oxidation and the blood lipid fatty acid composition in ischemic heart disease] Katsenovich ER, et al. **Kardiologiia** 1982 Mar;22(3):76–9 (Eng. Abstr.) (Rus)
[Fatty acids in the blood in acute viral hepatitis] Levina LD, et al. **Lab Delo** 1981;(11):649–52 (Eng. Abstr.) (Rus)

[Determination of the blood serum higher fatty acids in healthy persons by gas-liquid chromatography] Novikov AI, et al. **Lab Delo** 1981;(11):652-3 (Eng. Abstr.) **(Rus)**

[Effect of the activity of specific processes on fatty acid composition of serum lipids in patients with pulmonary tuberculosis] Maliuk VI, et al. **Probl Tuberk** 1981 Dec;(12):38-41 (Eng. Abstr.) **(Rus)**

[Dynamics of lipid metabolism indices in lung cancer patients during surgery and anesthesia] Nekrasova NN, et al. **Vestn Akad Med Nauk SSSR** 1981;(7):84-7 (Eng. Abstr.) **(Rus)**

[Serum fatty acid composition of intact rats and rats adapted to hypoxia against a background of exposure to acute hypoxia] Grek OR, et al. **Vopr Med Khim** 1981;27(4):469-71 (Eng. Abstr.) **(Rus)**

[Serum fatty acids and the importance of their determination in medicine] Lepšanović L. **Med Pregl** 1981;34(1-2):71-81 (Eng. Abstr.) **(Scr)**

[Effect of phenoxybenzamine on certain lipid parameters of the serum in experimental hyperthyroidism in the rat] Lafuente L, et al. **Arch Farmacol Toxicol** 1981 Apr; 7(1):165-70 **(Spa)**

[Plasma values for fatty acids in the population of Vizcaya] Sanjurjo P, et al. **Rev Clin Esp** 1982 Jan 31;164(2):115-8 (Eng. Abstr.) **(Spa)**

CEREBROSPINAL FLUID

Fatty acid of cerebrospinal fluid in arrested hydrocephalus. Onodera Y, et al. **Childs Brain** 1982;9(2):95-101

CHEMICAL SYNTHESIS

Syntheses of phosphatidylcholines, sphingomyelins and cholesterol substituted with azido fatty acids. Photocrosslinking with nearest neighbouring lipids in liposomes chemical and mass spectroscopic proof. Stoffel W, et al. **Hoppe Seylers Z Physiol Chem** 1982 Jan; 363(1):1-18

Synthesis of isotopically labeled saturated fatty acids. DasGupta SK, et al. **J Lipid Res** 1982 Jan;23(1):197-200

Synthesis and biological evaluation of 17-[131I]iodo-9-telluraheptadecanoic acid, a potential imaging agent. Goodman MM, et al. **J Med Chem** 1982 Jun;25(6):613-8

Chloromethyl ketone derivatives of fatty acids. Bloxham DP, et al. **Methods Enzymol** 1981;72:592-604

Chemical synthesis of furanoid fatty acids. Lie Ken Jie MS. **Methods Enzymol** 1981;72:443-71

Affinity labeling with omega-bromoacetamido fatty acids and analogs. Plapp BV, et al. **Methods Enzymol** 1981; 72:587-91

Synthesis of modified fatty acids and glycerophospholipid analogs. Radhakrishnan R, et al. **Methods Enzymol** 1981; 72:408-33

An alternative method of preparing radiolabeled photoactivatable fatty acids. Radhakrishnan R, et al. **Methods Enzymol** 1981;72:793-4

DIAGNOSTIC USE

Tellurium-123m-labeled-9-telluraheptadecanoic acid: a possible cardiac imaging agent. Okada RD, et al. **Circulation** 1982 Feb;65(2):305-10

Metabolic myocardial imaging with 123I-labeled heptadecanoic acid in patients with angina pectoris. van der Wall EE, et al. **Eur J Nucl Med** 1981;6(9):391-6

Myocardial imaging with 9-[Te-123m]telluraheptadecanoic acid. Elmaleh DR, et al. **J Nucl Med** 1981 Nov;22(11):994-9

Beta-methyl[1-11C]heptadecanoic acid: a new myocardial metabolic tracer for positron emission tomography. Livni E, et al. **J Nucl Med** 1982 Feb;23(2):169-75

IMMUNOLOGY

Biological studies of lipophilic MDP-derivatives incorporated in liposomes. Jolivet M, et al. **Immunol Commun** 1981;10(6):511-22

The adjuvant activity of fatty acid esters. The role of acyl chain length and degree of saturation. Bomford R. **Immunology** 1981 Sep;44(1):187-92

ISOLATION & PURIFICATION

Etofenamate fatty acid asters. An example of a new route of drug metabolism. Dell HD, et al. **Drug Metab Dispos** 1982 Jan-Feb;10(1):55-60

Separation of methyl esters of fatty acids by gas chromatography on capillary columns, including the separation of deuterated from nondeuterated fatty acids. Patton GM, et al. **Methods Enzymol** 1981;72:8-20

METABOLISM

Adipose tissue perfusion and fatty acid release in exercising rats. Larsen T, et al. **Acta Physiol Scand** 1981 Sep; 113(1):111-6

Metabolic end products of helminths: their degradation and excretion by the host. Biochemical approach to the diagnosis of ascaridiasis and other helminthiases. Soprunov FF, et al. **Acta Trop (Basel)** 1981 Dec;38(4):449-60

Fatty acid metabolism in the neonatal ruminant. Noble RC, et al. **Adv Nutr Res** 1982;4:287-337 (219 ref.)

C- 11 labeled palmitic acid for the noninvasive evaluation of regional myocardial fatty acid metabolism with positron-computed tomography. I. Kinetics of C- 11 palmitic acid in normal myocardium. Schön HR, et al. **Am Heart J** 1982 Apr;103(4 Pt 1):532-47

C- 11 labeled palmitic acid for the noninvasive evaluation of regional myocardial fatty acid metabolism with positron-computed tomography. II. Kinetics of C- 11 palmitic acid in acutely ischemic myocardium. Schön HR, et al. **Am Heart J** 1982 Apr;103(4 Pt 1):548-61

Intestinal fatty acid esterification activity in jejunoileal bypass patients. Goldberg PB, et al. **Am J Clin Nutr** 1981 Dec; 34(12):2742-7

Comments on metabolism on trans fatty acids [letter] Hunter JE. **Am J Clin Nutr** 1982 Aug;36(2):376-9

Neonatal adrenoleukodystrophy: clinical, pathologic, and biochemical delineation of a syndrome affecting both males and females. Jaffe R, et al. **Am J Pathol** 1982 Jul; 108(1):100-11

Value of C26:O fatty acid determination for the diagnosis of atypical adrenoleukodystrophy [letter] Philippart M, et al. **Ann Neurol** 1982 Jan;11(1):105

Alteration in fatty acid composition of neurons, astrocytes, oligodendrocytes, myelin and synaptosomes in intrauterine malnutrition in rat. Morand O, et al. **Ann Nutr Metab** 1982; 26(2):111-20

Peroxisomal beta-oxidation in brown fat. Cannon B, et al. **Ann NY Acad Sci** 1982;386:40-58

Individual peroxisomal beta-oxidation enzymes. Hashimoto T. **Ann NY Acad Sci** 1982;386:5-12

Subcellular fractionation studies on the organization of fatty acid oxidation by liver peroxisomes. Leighton F, et al. **Ann NY Acad Sci** 1982;386:62-80

Mitochondrial and peroxisomal beta-oxidation of fatty acids in rat liver. Mannaerts GP, et al. **Ann NY Acad Sci** 1982; 386:30-9

Peroxisomal beta-oxidation of long fatty acids: effects of high fat diets. Osmundsen H. **Ann NY Acad Sci** 1982;386:13-29

Carnitine uptake and fatty acid utilization by diploid cells aging in culture. Carnicero HH, et al. **Arch Biochem Biophys** 1982 Apr 15;215(1):78-88

Purification of the heat-stable factor required for alpha-hydroxylation and beta-oxidation of very long chain fatty acids in brain. Uda M, et al. **Arch Biochem Biophys** 1982 Jun;216(1):186-95

Fatty acid oxidation of rat brain microvessels in hypertension, aging and experimental diabetes. Morisaki N, et al. **Atherosclerosis** 1982 Apr;42(2-3):221-7

Fatty acid and glucose incorporation into human adipose tissue in non-insulin-dependent diabetes and in insulinoma. Inverse relations with plasma triglyceride and glucose concentrations. Rubba P, et al. **Atherosclerosis** 1982 Mar; 42(1):31-40

Adrenoleukodystrophy: impaired oxidation of long chain fatty acids in cultured skin fibroblasts an adrenal cortex. Singh I, et al. **Biochem Biophys Res Commun** 1981 Oct 30;102(4):1223-9

Fatty-acid desaturation and microsomal lipid fatty-acid composition in experimental hyperthyroidism. Faas FH, et al. **Biochem J** 1981 Mar 1;193(3):845-52

Increase in fatty acid oxidation in calvaria cells cultured with diphosphonates. Felix R, et al. **Biochem J** 1981 Apr 15; 196(1):237-45

Peroxisomal fatty acid oxidation as detected by H2O2 production in intact perfused rat liver. Foerster EC, et al. **Biochem J** 1981 Jun 15;196(3):705-12

Effects of high-fat diets on hepatic fatty acid oxidation in the rat. Isolation of rat liver peroxisomes by vertical-rotor centrifugation by using a self-generated, iso-osmotic, Percoll gradient. Neat CE, et al. **Biochem J** 1981 Apr 15; 196(1):149-59

Biochemical actions of vasoactive peptide hormones. Time-synchronized activation of lipolysis and decreased fatty-acid release by bradykinin and angiotensin in the perfused rabbit kidney. Schwartzman M, et al. **Biochem J** 1980 Oct 15;192(1):127-31

Regulation of hepatic fatty acid metabolism. The activities of mitochondrial and microsomal acyl-CoA:sn-glycerol 3-phosphate O-acyltransferase and the concentrations of malonyl-CoA, non-esterified and esterified carnitine, glycerol 3-phosphate, ketone bodies and long-chain acyl-CoA esters in livers of fed or starved pregnant, lactating and weaned rats. Zammit VA. **Biochem J** 1981 Jul 15;198(1):75-83

Acetoacetate is an electron donor to myeloperoxidase and a promoter of myeloperoxidase-catalyzed fatty acid peroxidation. Harrison JE, et al. **Biochem Med** 1981 Dec; 26(3):339-55

Relationship between malondialdehyde production and arachidonate consumption during NADPH-supported microsomal lipid peroxidation. Jordan RA, et al. **Biochem Pharmacol** 1982 Apr 1;31(7):1393-400

Effects of clofibrate and ethanol on the pathways of initial fatty acid oxidation. Scofield RF, et al. **Biochem Pharmacol** 1982 Jun 1;31(11):2119-21

Phosphatidic acid, phosphatidylinositol, phosphatidylserine and cardiolipin in the course of early embryonic development. Fatty acid composition and content in whole toad embryos and in mitochondrial fractions. Bonini de Romanelli IC, et al. **Biochim Biophys Acta** 1981 Jun 23; 664(3):561-71

Degradation of linoleic acid hydroperoxides by a cysteine . FeCl3 catalyst as a model for similar biochemical reactions. II. Specificity in formation of fatty acid epoxides. Gardner HW, et al. **Biochim Biophys Acta** 1981 Jul 24; 665(1):113-24

Reduction of fatty acids to alcohols in roe of gourami (Trichogaster cosby). Griffith TW, et al. **Biochim Biophys Acta** 1981 Jul 24;665(1):34-9

Degraded and stable phosphatidylglycerol in Escherichia coli inner and outer membranes, and recycling of fatty acyl residues. Joseleau-Petit D, et al. **Biochim Biophys Acta** 1982 Apr 15;711(1):1-9

Reduction of beta-oxidation capacity of rat liver mitochondria by feeding orotic acid. Miyazawa S, et al. **Biochim Biophys Acta** 1982 Jun 11;711(3):494-502

Transport of fluorescent derivatives of fatty acids into cultured human leukemic myeloid cells and their subsequent metabolic utilization. Morand O, et al. **Biochim Biophys Acta** 1982 Jun 11;711(3):539-50

Change of galactolipids and metabolism of fatty acids in the organotypic culture of myelinating mouse brain. Satomi D, et al. **Biochim Biophys Acta** 1981 Dec 23;666(3):446-54

The metabolism of fatty acids in hepatocytes isolated from triiodothyronine-treated rats. Stakkestad JA, et al. **Biochim Biophys Acta** 1982 Apr 15;711(1):90-100

Comparison of the oxidation of glutamine, glucose, ketone bodies and fatty acids by human diploid fibroblasts. Sumbilla CM, et al. **Biochim Biophys Acta** 1981 Jul; 675(2):301-4

Studies on thermal adaptation in Tetrahymena membrane lipids. Changes in positional distribution of fatty acids in diacyl-phospholipids and alkyl-acyl-phospholipids during temperature acclimation. Watanabe T, et al. **Biochim Biophys Acta** 1981 Jul 24;665(1):66-73

Transfer properties of the bovine brain phospholipid transfer protein. Effect of charged phospholipids and of phosphatidylcholine fatty acid composition. Zborowski J, et al. **Biochim Biophys Acta** 1982 Jun 14;688(2):381-7

Effect of antibiotics on fatty acid composition of strains of E. coli K12 carrying R-plasmids. Andreev LV, et al. **Biol Bull Acad Sci USSR** 1980 Sep-Oct;7(5):400-7

Regulation of fatty acid composition of Cl. perfringens type A cells by hydrogen and hydroxyl ions. Sinyak KM, et al. **Biol Bull Acad Sci Ussr** 1981 May-Jun;8(3):223-30

Lipid metabolism in riboflavin-deficient rats. 1. Effect of dietary lipids on riboflavin status and fatty acid profiles. Olpin SE, et al. **Br J Nutr** 1982 May;47(3):577-96

Lipid metabolism in riboflavin-deficient rats. 2. Mitochondrial fatty acid oxidation and the microsomal desaturation pathway. Olpin SE, et al. **Br J Nutr** 1982 May; 47(3):589-96

The effect of dietary methyl branched-chain fatty acids on aspects of hepatic lipid metabolism in the rat. Wahle KW, et al. **Br J Nutr** 1982 Jan;47(1):61-7

Development of the lipid and fatty acid patterns of the liver of the pigeon after hatching. Desmeth M. **Br Poult Sci** 1981 Jul;22(4):365-74

Fatty acid metabolism in phorbol ester-differentiating human leukemia cells. Cabot MC, et al. **Cancer Res** 1981 Dec;41(12 Pt 1):4910-5

Development of hepatocellular carcinomas and increased peroxisomal fatty acid beta-oxidation in rats fed [4-chloro-6-(2,3-xylidino)-2-pyrimidinylthio] acetic acid (Wy-14,643) in the semipurified diet. Lalwani ND, et al. **Carcinogenesis** 1981;2(7):645-50

A modified equilibrium dialysis method for studying fatty acid binding to proteins. Klein RA, et al. **Chem Phys Lipids** 1982 Mar;30(1):71-80

Metabolic turnover of fatty acids, cholesterol and lipoproteins in response to atherogenic factors in experimental atherosclerosis. Petrásek R, et al. **Czech Med** 1982;5(1):29-41

Fatty acid accretion in human fetal and neonatal times [letter] Altman DG. **Early Hum Dev** 1982 Jan;6(1):109-12

Activation and transport of fatty acids in ovarian mitochondria: effect of Lh. Tan CH, et al. **Endocr Res Commun** 1982;9(1):1-8

The conversion of progesterone into 5 alpha-pregnane-3,20-dione, 3 beta-hydroxy-5 alpha-pregnan-20-one, and its fatty acid esters by preparations of bovine corpora lutea. Albert DH, et al. **Endocrinology** 1982 Jul;111(1):17-23

Alterations of brown adipose tissue in genetically obese (ob/ob) mice. II. Studies of beta-adrenergic receptors and fatty acid degradation. Assimacopoulos-Jeannet F, et al. **Endocrinology** 1982 Feb;110(2):439-43

Effects of nitrogen dioxide on fatty acid compositions of red cell membranes, sera, and livers in rats. Kaya K, et al. **Environ Res** 1982 Feb;27(1):24-35

Intraparticulate localization of some peroxisomal enzymes related to fatty acid beta-oxidation. Hayashi H, et al. **Eur J Biochem** 1981 Nov;120(1):47-51

The fatty acid composition of subcellular membranes of rat liver, heart, and brain: diet-induced modifications. Tahin QS, et al. **Eur J Biochem** 1981 Dec;121(1):5-13

Relation of oxidation of long-chain fatty acids to gluconeogenesis in the perfused liver of the guinea pig: effect of 2-tetradecylglycidic acid (McN-3802). Tutwiler GF, et al. **Eur J Biochem** 1982 Jun;124(3):465-70

Tight attachment of fatty acids to proteins associated with milk lipid globule membrane. Keenan TW, et al. **Eur J Cell Biol** 1982 Feb;26(2):270-6

Cold-induced changes in fatty acid composition of rat brown fat during the perinatal period. Senault C, et al. **Experientia** 1982 May 15;38(5):585-7

Binding of amphipathic drugs and probes to biological

membranes. Moules IK, et al. **FEBS Lett** 1982 Feb 8; 138(1):95–100

Effect of undecanoic acid on fatty acid composition of undecanoic acid sensitive & resistant mutant of Trichophyton rubrum. Das SK, et al. **Indian J Biochem Biophys** 1981 Feb;18(1):76–7

Effect of glycerol substitution & choline/ethanolamine supplementation phospholipid & fatty acid composition of Microsporum gypseum. Khuller GK, et al. **Indian J Exp Biol** 1981 Nov;19(11):1054–7

Metabolism of palmitaldehyde in human cardiac muscle–II. Fatty chain elongation and shortening. Ferrell WJ, et al. **Int J Biochem** 1982;14(7):635–40

What happens after lipoprotein lipase? A low fatty acid incorporation into adipose tissue (FIAT) in hypertriglyceridaemia–experimental and clinical studies. Walldius G. **Int J Obes** 1981;5(6):707–16

Diffusion barriers to passive lipid uptake of canine posterior tracheal epithelium. Man SF, et al. **J Appl Physiol** 1982 May;52(5):1223–9

Regulation of fatty acid degradation in Escherichia coli: analysis by operon fusion. Clark D. **J Bacteriol** 1981 Nov; 148(2):521–6

Induction of acyl coenzyme A synthetase and hydroxyacyl coenzyme A dehydrogenase during fatty acid degradation in Neurospora crassa. Hii V, et al. **J Bacteriol** 1982 May; 150(2):981–3

Synthesis and utilization of fatty acids by wild–type and fatty acid auxotrophs of Caulobacter crescentus. Letts V, et al. **J Bacteriol** 1982 Sep;151(3):1269–78

Induction of acyl–CoA dehydrogenases and electron transfer flavoprotein and their roles in fatty acid oxidation in rat liver mitochondria. Furuta S, et al. **J Biochem (Tokyo)** 1981 Dec;90(6):1751–6

alpha–Amanitin inhibits the oxidation of long chain fatty acids in mouse liver. Hashimoto T, et al. **J Biochem (Tokyo)** 1981 Aug;90(2):415–21

Changes in peroxisomal fatty acid oxidation in the diabetic rat liver. Horie S, et al. **J Biochem (Tokyo)** 1981 Dec; 90(6):1691–6

Effect of cytochrome b5 on fatty acid omega– and (omega–1)–hydroxylation catalyzed by partially purified cytochrome P–450 from rabbit kidney cortex microsomes. Kusunose E, et al. **J Biochem (Tokyo)** 1981 Oct; 90(4):1069–76

Fatty acid synthetase from the Harderian gland of guinea pig: biosynthesis of methyl–branched fatty acids. Seyama Y, et al. **J Biochem (Tokyo)** 1981 Sep;90(3):789–97

Calmodulin regulation of phospholipid and fatty acid methylation by rat liver microsomes. Alemany S, et al. **J Biol Chem** 1982 Aug 25;257(16):9249–51

Increased secretion of very low density lipoprotein triglyceride following inhibition of long chain fatty acid oxidation in isolated rat liver. Ide T, et al. **J Biol Chem** 1981 Oct 25;256(20):10247–55

Identification of fatty acid ethyl esters as products of rabbit myocardial ethanol metabolism. Lange LG, et al. **J Biol Chem** 1981 Dec 25;256(24):12968–73

Estradiol fatty acid esters. The isolation and identification of the lipoidal derivative of estradiol synthesized in the bovine uterus. Mellon–Nussbaum SH, et al. **J Biol Chem** 1982 May 25;257(10):5678–84

4–Bromocrotonic acid, an effective inhibitor of fatty acid oxidation and ketone body degradation in rat heart mitochondria. On the rate–determining step of beta–oxidation and ketone body degradation in heart. Olowe Y, et al. **J Biol Chem** 1982 May 25;257(10):5408–13

The effects of membrane fatty acid modification of clonal pheochromocytoma cells on depolarization–dependent exocytosis. Williams TP, et al. **J Biol Chem** 1982 Apr 10; 257(7):3491–500

Nonpolar lipid methylation. Biosynthesis of fatty acid methyl esters by rat lung membranes using S–adenosylmethionine. Zatz M, et al. **J Biol Chem** 1981 Oct 10;256(19):10028–32

Growth characteristics of Saccharomyces cerevisiae and Aspergillus nidulans when biotin is replaced by aspartic and fatty acids. Adler JH, et al. **J Gen Microbiol** 1981 Jan; 122(Pt 1):101–7

Relationship between cyclopropane synthetase and the formation of cyclopropane fatty acids by Proteus vulgaris grown under various respiratory conditions. Jacques NA. **J Gen Microbiol** 1982 Jan;128 (Pt 1):177–84

Content of lipids and esterified fatty acids in the liver of mice exposed to arsenic in drinking water. Beneš B, et al. **J Hyg Epidemiol Microbiol Immunol** 1981;25(4):384–92

Changes in the metabolism of fatty acids in adipose tissue in obese patients with primary hypertriacylglycerolemia. Arner P, et al. **J Lipid Res** 1982 Mar;23(3):422–7

In vivo regulation of canine intestinal 3–hydroxy–3–methylglutaryl coenzyme A reductase by cholesterol, lipoprotein, and fatty acids. Gebhard RL, et al. **J Lipid Res** 1981 Sep;22(7):1111–8

Effect of fatty acid composition of rat heart myocytes on their electrical activity. Hasin Y, et al. **J Mol Cell Cardiol** 1982 Mar;14(3):163–71

The relationship between glycolysis, fatty acid metabolism and membrane integrity in neonatal myocytes. Higgins TJ, et al. **J Mol Cell Cardiol** 1981 Jun;13(6):599–615

Effects of chain length and tellurium position on the myocardial uptake of Te–123m fatty acids. Knapp FF Jr, et al. **J Nucl Med** 1981 Nov;22(11):988–93

Effect of dietary lipids on saliva composition. Alam AQ, et al. **J Nutr** 1982 May;112(5):990–6

The effects of dietary trilinoelaidin on fatty acid and acyl desaturases in rat liver. Shimp JL, et al. **J Nutr** 1982 Apr; 112(4):722–35

Role of reducing equivalents from fatty acid oxidation in mixed–function oxidation: studies with 2–bromooctanoate in the perfused rat liver. Danis M, et al. **J Pharmacol Exp Ther** 1981 Nov;219(2):383–8

The influence of dietary branched–chain fatty acids on the fatty acid composition of tissue– lipids of rats. Smith A, et al. **J Sci Food Agric** 1982 May;33(5):421–30

Developmental changes in the characteristics of peroxisomal fatty acid oxidation system in rat liver. Horie S, et al. **Life Sci** 1981 Oct 19;29(16):1649–56

Metabolism of fatty acids in rat brain microsomal membranes. Aeberhard EE, et al. **Lipids** 1981 Oct;16(10):705–13

Effects of zinc deficiency and castration on fatty acid composition and desaturation in rats. Clejan S, et al. **Lipids** 1982 Mar;17(3):129–35

The influence of trans–acids on desaturation and elongation of fatty acids in developing brain. Cook HW. **Lipids** 1981 Dec;16(12):920–6

Phospholipids and component fatty acids of the pigeon liver. Desmeth M, et al. **Lipids** 1981 Sep;16(9):700–2

On the mechanisms of fatty acid transformations in membranes. Gan–Elepano M, et al. **Lipids** 1981 Nov; 16(11):790–5

Distribution of long chain polyenoic acids among phospholipids of mouse testis. Grogan WM. **Lipids** 1981 Dec;16(12):940–2

Essential and nonessential fatty acid oxidation in mice bearing Ehrlich ascites carcinoma. Ookhtens M, et al. **Lipids** 1982 Feb;17(2):65–71

Tissue fatty acid changes and tumor incidence in C3H mice ingesting cottonseed oil. Tinsley IJ, et al. **Lipids** 1982 Feb; 17(2):115–7

Studies on the substrate specificity of purified human milk lipoprotein lipase. Wang CS, et al. **Lipids** 1982 Apr; 17(4):278–84

The effect of chronic ethanol administration on lipids and fatty acids in subcellular fractions of rat brain. Alling C, et al. **Med Biol** 1982 Jun;60(3):149–54

Transport of fatty acids by myoglobin– a hypothesis. Yackzan KS, et al. **Med Hypotheses** 1982 Jun;8(6):613–8

Inhibition of medium and short–chain fatty acid oxidation in rat heart mitochondria by dichloroacetate. Man KC, et al. **Metabolism** 1982 Jul;31(7):744–8

Fatty acid oxidation complex from Escherichia coli. Binstock JF, et al. **Methods Enzymol** 1981;71 Pt C:403–11

Clofibrate. Bremer J, et al. **Methods Enzymol** 1981;72:506–19

Enzymatic reduction of fatty acids and alpha–hydroxy fatty acids. Kolattukudy PE, et al. **Methods Enzymol** 1981;71 Pt C:263–75

Assay of peroxisomal beta–oxidation of fatty acids. Lazarow PB. **Methods Enzymol** 1981;72:315–9

Spectrophotometric procedure for measuring mitochondrial beta–oxidation. Osmundsen H. **Methods Enzymol** 1981; 72:306–14

Effect of catalytic hydrogenation of cellular lipid and fatty acid on the susceptibility of tumor cells to humoral immune killing. Schlager SI. **Methods Enzymol** 1981;73(Pt B):191–9

4–Pentenoic acid. Schulz H, et al. **Methods Enzymol** 1981; 72:604–10

A comparative study of Leishmania mexicana amastigotes and promastigotes. Enzyme activities and subcellular locations. Coombs GH, et al. **Mol Biochem Parasitol** 1982 Mar;5(3):199–211

The relationship between the carbachol stimulatory effect on cyclic GMP content and activation by fatty acid hydroperoxides of a soluble guanylate cyclase in the guinea pig myometrium. Leiber D, et al. **Mol Pharmacol** 1982 May; 21(3):654–63

Accumulation of sucrose polyesters in different organ lipids of rats. Aust L, et al. **Nahrung** 1982;26(1):K3–4

Developmental changes in the fatty acids of synaptic membrane phospholipids: effect of protein malnutrition. Hitzemann R. **Neurochem Res** 1981 Sep;6(9):935–47

Kinetics of carnitine–dependent fatty acid oxidation: implications for human carnitine deficiency. Long CS, et al. **Neurology (NY)** 1982 Jun;32(6):663–6

Adrenoleukodystrophy: elevated C26 fatty acid in cultured skin fibroblasts and correlation with disease expression in three generations of a kindred. O'Neill BP, et al. **Neurology (NY)** 1982 May;32(5):540–2

Ischemic brain injury: the importance of calcium, lipolytic activities, and free fatty acids. Wieloch T, et al. **Pathol Biol (Paris)** 1982 May;30(5):269–77

Gluconeogenesis in isolated chicken hepatocytes: effect of fatty acids, beta–hydroxybutrate, ethanol, and various pyruvate/lactate ratios. Schultz P, et al. **Poult Sci** 1981 Mar;60(3):653–8

Nonoxidative ethanol metabolism: formation of fatty acid ethyl esters by cholesterol esterase. Lange LG. **Proc Natl Acad Sci USA** 1982 Jul;79(13):3954–7

Early effects of EFA deficiency on the structure and enzymatic activity of rat liver microsomes. Brenner RR, et al. **Prog Lipid Res** 1981;20:315–21

Apparent digestibility of nutrients in diets varying in fat and P/S ratio. Olubajo OO, et al. **Prog Lipid Res** 1981;20:205–8

Phospholipids in the developing rat liver: fatty acid content and composition. Dhami MS, et al. **Res Commun Chem Pathol Pharmacol** 1981 Aug; 33(2):319–29

Incorporation of fatty acids into phosphatidylcholine species by liver homogenates from chick embryos. Coll J, et al. **Rev Esp Fisiol** 1981 Dec;37(4):469–76

Deacylation and reacylation of phosphatidylcholines by liver homogenates from chick embryos. Coll J, et al. **Rev Esp Fisiol** 1981 Dec;37(4):477–84

Phospholipid and fatty acid composition of Microsporum cookei: effect of exogenous unsaturated fatty acids. Bansal VS, et al. **Sabouraudia** 1981 Dec;19(4):307–10

Acylation of viral spike glycoproteins: a feature of enveloped RNA viruses. Schmidt MF. **Virology** 1982 Jan 15; 116(1):327–38

[Incorporation of odd–numbered fatty acids into the hepatic lipids of Wistar rats] Ulmer M, et al. **C R Soc Biol (Paris)** 1981;175(4):525–8 (Eng. Abstr.) **(Fre)**

[Fatty acid composition of triglycerides in inflammatory liver diseases in diabetics with and without hyperlipoproteinemia] Singer P, et al. **Z Gesamte Inn Med** 1981 Aug 1;36(15):513–9 (Eng. Abstr.) **(Ger)**

[Mechanism of insulin action on glucose and lipid metabolism in hepatocytes (author's transl)] Harano Y, et al. **Horumon To Rinsho** 1981 Sep;29(9):1109–14 **(Jpn)**

[Insulin's regulation of glucose transport—effect of fatty acids (author's transl)] Kobayashi M, et al. **Horumon To Rinsho** 1981 Sep;29(9):1091–4 **(Jpn)**

[The fatty acid metabolism in patients with fracture and fat embolism syndrome after fracture (author's transl)] Inomata Y. **Nippon Seikeigeka Gakkai Zasshi** 1981 Feb;55(2):147–66 (Eng. Abstr.) **(Jpn)**

[Discovery of functionally distinct two long–chain acyl–coenzyme A synthetases and their roles in fatty acid metabolism (author's transl)] Kamiryo T. **Seikagaku** 1981; 53(5):303–17 (45 ref.) **(Jpn)**

[Effect of ethylnitrosourea poisoning on the fatty acid content of myelin lipids] Wender M, et al. **Neuropatol Pol** 1981 Jan–Mar;19(1):91–106 (Eng. Abstr.) **(Pol)**

[Effect of hypoxemia on the fatty acid metabolic intensity of brain phospholipids in rats of different ages] Bliudzin IuA, et al. **Nerv Sist** 1980;21:84–7 **(Rus)**

[Role of peroxidation in destruction of membrane lipids under conditions of liver ischemia] Dudnik LB, et al. **Vopr Med Khim** 1981 May–Jun;27(3):380–3 (Eng. Abstr.) **(Rus)**

[Effect of nerobolil on higher fatty acid metabolism in the rat liver normally and in disordered protein metabolism] Matiushin IF, et al. **Vopr Med Khim** 1981 Sep–Oct; 27(5):604–7 (Eng. Abstr.) **(Rus)**

[Change in the fatty acid composition of the brain and spinal cord lipids in white rats during supercooling and adaptation] Serebrennikova EG, et al. **Vopr Med Khim** 1981 Sep–Oct;27(5):640–3 (Eng. Abstr.) **(Rus)**

[Effect of temporary occlusion of coronary artery on oxidation of fatty acids in heart mitochondria] Tolelkis AI, et al. **Vopr Med Khim** 1982 May–Jun;28(3):83–8 (Eng. Abstr.) **(Rus)**

[Biochemistry of the life cycle of Triatoma infestans (vinchuca). 1. Lipids and fatty acids composition] Tierno MA, et al. **Acta Physiol Lat Am** 1978;28(1):41–52 (Eng. Abstr.) **(Spa)**

PHARMACODYNAMICS

Effect of dietary trans fatty acids on the delta 5, delta 6 and delta 9 desaturases of rat liver microsomes in vivo. Mahfouz M. **Acta Biol Med Ger** 1981;40(12):1699–1705

Effect of undecanoic acid on cell permeability and respiration of Trichophyton rubrum. Das SK, et al. **Acta Microbiol Pol** 1981;30(3):295–8

Histamine release and hypotensive reactions in dogs by solubilizing agents and fatty acids: analysis of various components in cremophor El and development of a compound with reduced toxicity. Lorenz W, et al. **Agents Actions** 1982 Apr;12(1–2):64–80

Inhibition of ovine gastric acid secretion by intraduodenal long–chain fatty acids. McLeay LM, et al. **Am J Physiol** 1982 Aug;243(2):G127–33

Deposition and maturation of eggs of Schistosoma mansoni in vitro: importance of fatty acids in serum–free media. Newport GR, et al. **Am J Trop Med Hyg** 1982 Mar; 31(2):349–57

Action of sucrose polyesters on lipid metabolism in rats. Aust L, et al. **Ann Nutr Metab** 1981;25(4):255–61

Effects of prior fasting and of glucose availability on fatty–acid–induced increases in oxygen consumption in the rat perfused liver. Bradley JR, et al. **Ann Nutr Metab** 1982; 26(1):37–43

Effect of the oral hypoglycemic agent 2–tetradecylglycidic acid on fatty acid oxidation in suckling rats in vivo and in perfused liver. Frost SC, et al. **Arch Biochem Biophys** 1981 Oct 15;211(2):547–55

The inhibition of bacterial glycolysis in human dental plaque by medium–chain fatty acid—sugar mouth–washes. Hayes ML. **Arch Oral Biol** 1981;26(3):223–7

Gastric antisecretory, antiulcer and cytoprotective properties of 9–hydroxy–19,20–bis–nor–prostanoic acid in experimental animals. Valcavi U, et al. **Arzneimittelforsch** 1982;32(6):657–63

The influence of dietary unsaturated cis and trans and saturated fatty acids on tissue lipids of swine. Elson CE, et al. **Atherosclerosis** 1981 Oct;40(2):115–37

Further observations on the effects of dietary fatty acid composition on platelet reactivity and blood coagulation in man and the influence of methodology on findings. Jakubowski JA, et al. **Atherosclerosis** 1982 Feb; 41(2–3):285–94

Parallel activities of fatty acid methyl esters and analogous phorbol diesters toward mouse lymphocytes. Baxter CS, et al. **Biochem Biophys Res Commun** 1981 Nov 16; 103(1):168–74

Maintenance of 3T3–L1 cells in culture media containing saturated fatty acids decreases insulin binding and insulin action. Grunfeld C, et al.
Biochem Biophys Res Commun 1981 Nov 16;103(1):219–26

Effects of aliphatic fatty acids on the binding of Phenol Red to human serum albumin. Kragh-Hansen U. **Biochem J** 1981 Jun 1;195(3):603–13

Activation of CTP : phosphocholine cytidylyltransferase in rat lung by fatty acids. Feldman DA, et al.
Biochim Biophys Acta 1981 Jul 24;665(1):53–9

Effect of saturated and unsaturated fat diets on molecular species of phosphatidylcholine and sphingomyelin of human plasma lipoproteins. Myher JJ, et al.
Biochim Biophys Acta 1981 Oct 23;666(1):110–9

In vitro and in situ studies on the inhibition of yeast AMP deaminase by fatty acids. Yoshino M, et al.
Biochim Biophys Acta 1981 Aug 13;660(2):199–203

The effects of dietary omega 3 fatty acids on platelet composition and function in man: a prospective, controlled study. Goodnight SH Jr, et al. **Blood** 1981 Nov;58(5):880–5

Effect of fatty acids on the ventricular arrhythmia threshold in the isolated heart of the rabbit. Murnaghan MF.
Br J Pharmacol 1981 Aug;73(4):909–15

Chemical and biochemical studies on carbohydrate esters. XII. The phagocytic response of the reticuloendothelial system in mice following intraperitoneal administration of disaccharide esters of fatty acids. Nishikawa Y, et al.
Chem Pharm Bull (Tokyo) 1982 Apr;30(4):1377–80

Relation of oxidation of long-chain fatty acids to gluconeogenesis in the perfused liver of the guinea pig: effect of 2-tetradecylglycidic acid (McN-3802). Tutwiler GF, et al. **Eur J Biochem** 1982 Jun;124(3):465–70

A re-evaluation of the role of fatty acids in the physiological regulation of the proton conductance of brown adipose tissue mitochondria. Locke RM, et al. **FEBS Lett** 1981 Dec 7;135(2):249–52

Effects of dietary phospholipids and odd-chain fatty acids on the behavioural maturation of mice. Gozzo S, et al.
Food Chem Toxicol 1982 Apr;20(2):153–7

Effect of undecanoic acid on fatty acid composition of undecanoic acid sensitive & resistant mutant of Trichophyton rubrum. Das SK, et al.
Indian J Biochem Biophys 1981 Feb;18(1):76–7

Suppression of IgE antibody response by the fatty acid-modified antigen. Segawa A, et al.
Int Arch Allergy Appl Immunol 1981;66(2):189–99

Regulation of a soluble intestinal glycoprotein: fucosyl-transferase by fatty acids in vitro. Biol MC, et al.
Int J Biochem 1981;13(8):927–33

The screening of beta-lactamase inhibitors: inhibition by fatty acids produced by bacteria. Song Y, et al.
J Antibiot (Tokyo) 1981 Aug;34(8):980–3

Influence of fatty acids on the binding of calcium to human albumin. Correlation of binding and conformation studies and evidence for distinct differences between unsaturated fatty acids and saturated fatty acids. Aguanno JJ, et al.
J Biol Chem 1982 Aug 10;257(15):8745–8

Increased secretion of very low density lipoprotein triglyceride following inhibition of long chain fatty acid oxidation in isolated rat liver. Ide T, et al.
J Biol Chem 1981 Oct 25;256(20):10247–55

Rat liver ferrochelatase. Purification, properties, and stimulation by fatty acids. Taketani S, et al.
J Biol Chem 1981 Dec 25;256(24):12748–53

Effects of dietary cholesterol and fatty acids on plasma lipoproteins. Schonfeld G, et al. **J Clin Invest** 1982 May; 69(5):1072–80

Effect of fatty acid saturation on NADPH-dependent lipid peroxidation in rat liver microsomes. Lokesh BR, et al.
J Lipid Res 1981 Aug;22(6):905–15

Different kinetic fates of apolipoproteins A-I and A-II from lymph chylomicra of nonhuman primates. Effect of saturated versus polyunsaturated dietary fat. Parks JS, et al. **J Lipid Res** 1982 Mar;23(3):410–21

Quantitative structure-inhibitory activity relationships of phenols and fatty acids for Bacillus subtilis spore germination. Yasuda Y, et al. **J Med Chem** 1982 Mar; 25(3):315–20

Fatty acid activation and temperature perturbation of rat brain microsomal phospholipase D. Chalifour R, et al.
J Neurochem 1982 Aug;39(2):299–305

Effects of dietary long-chain fatty acids on the rat biosynthesis of unsaturated fatty acids in the rat. De Schrijver R, et al. **J Nutr** 1982 Apr;112(4):619–26

Role of dietary saturated fatty acids on lowering the incidence of heart lesions in male rats. Farnworth ER, et al. **J Nutr** 1982 Feb;112(2):231–40

Effects of branched chain fatty acids of iso-C12:0 to iso-C16:0 on gastric secretion and experimental ulceration in rats. Mimura T, et al. **J Pharmacobiodyn** 1981 Nov; 4(11):844–50

Reduction of myocardial necrosis in male albino rats by manipulation of dietary fatty acid levels. Kramer JK, et al. **Lipids** 1982 May;17(5):372–82

Prostaglandin and acyl chain effects on glutamate dehydrogenase activity. Shafer PT, et al. **Lipids** 1982 Apr; 17(4):297–306

2-Tetradecylglycidic acid. Tutwiler GF, et al.
Methods Enzymol 1981;72:533–51

Effect of lipids, structural precursors of lipids and fatty acids on complement-mediated killing of antibody-sensitized nucleated cells. Ohanian SH, et al. **Mol Immunol** 1982 Apr; 19(4):535–42

The effect of diets high in either saturated or unsaturated fat on rabbit serum VLDL. Bauer JE, et al.
Prog Lipid Res 1981;20:611–6

Effects of diets varying in fat and P/S ratio on blood pressure and blood lipids in adult men. Judd JT, et al.
Prog Lipid Res 1981;20:571–4

The effect of dietary fatty acids on the incidence of cardiac lesions and changes in the cardiac phospholipids in male rats. Kramer JK, et al. **Prog Lipid Res** 1981;20:491–9

Fatty acids as sources of potential 'magic bullets' for the modification of platelet and vascular function. Needleman P, et al. **Prog Lipid Res** 1981;20:415–22

Effect of some saturated and unsaturated fatty acids on prostaglandin biosynthesis in washed human blood platelets from (1-14 C)arachidonic acid. Srivastava KC, et al.
Prostaglandins Leukotrienes Med 1982 Mar;8(3):219–37

Relative muscarinic synaptic activation by anionic, neutral or cationic liposomes. Ritter C, et al.
Res Commun Chem Pathol Pharmacol 1981 Dec;34(3):441–9

[Effect of 11-H-eicosafluoroundecanoic acid on the rat liver-morphological and histometric findings (author's transl)] Gohlke R, et al. **Zentralbl Allg Pathol** 1981; 125(6):504–13 (Eng. Abstr.) **(Ger)**

[Inhibition of serum choline esterase by fatty acids and the recovery by human serum albumin (author's transl)] Sakoguchi T, et al. **Rinsho Byori** 1981 Sep;29(9):925–8 **(Jpn)**

PHYSIOLOGY

The relationship between plasma membrane lipid composition and physical-chemical properties. II. Effect of phospholipid fatty acid modulation on plasma membrane physical properties and enzymatic activities. Poon R, et al. **Biochim Biophys Acta** 1981 Nov 20;649(1):58–66

Effect of cellular fatty acid alteration on hyperthermic sensitivity in cultured L1210 murine leukemia cells. Guffy MM, et al. **Cancer Res** 1982 Sep;42(9):3625–30

Association of the cytopathic effect of sindbis virus with increased fatty acid saturation. Nozawa CM, et al.
J Gen Virol 1982 Mar;59(Pt 1):219–22

POISONING

Fatty acid anilides and the toxic oil syndrome [letter]
Lancet 1982 Jan 9;1(8263):98–9

RADIATION EFFECTS

The effect of membrane fatty acid composition on the near-UV (300–400 nm) sensitivity of Escherichia coli K1060. Klamen DL, et al. **Photochem Photobiol** 1982 Feb; 35(2):167–73

TOXICITY

Cyclic AMP mediator of gastric mucosa cytoprotection during fatty acids damaging. Ceriani T, et al.
Pharmacol Res Commun 1981 Jun;13(6):617–29

[Data on the hygienic standardization of an ester of ethylene glycol and fatty acids in the reservoir waters] Sapegin DI, et al. **Gig Sanit** 1981 Aug;(8):89–90 **(Rus)**

URINE

The influence of 8-methoxypsoralen plus UV-A (PUVA) on the excretion of the main urinary metabolite of prostaglandins F 1 alpha and F 2 alpha in patients with psoriasis. Briffa DV, et al. **Clin Exp Dermatol** 1981 Sep; 6(5):471–6

FATTY ACIDS, ESSENTIAL

Do low weight infants require nutrition with chain elongation-desaturation products of essential fatty acids? Clandinin MT, et al. **Prog Lipid Res** 1981;20:901–4

BIOSYNTHESIS

Cis and trans-octadecenoic acids as precursors of polyunsaturated acids. Holman RT, et al.
Prog Lipid Res 1981;20:151–6

Biochemistry of essential fatty acids. Sprecher H.
Prog Lipid Res 1981;20:13–22

Relationships between prostaglandins, prostacyclin and EFA precursors in rabbits maintained on EFA-deficient diets. Willis AL, et al. **Prog Lipid Res** 1981;20:161–7

BLOOD

A study on essential fatty acids and multiple sclerosis. Crawford MA, et al. **Prog Lipid Res** 1981;20:255–8

Changes in essential fatty acid profile of serum phospholipids in human disease. Holman RT, et al. **Prog Lipid Res** 1981; 20:67–73

[Essential fatty acids in serum and cerebrospinal fluid of patients with multiple sclerosis (letter)] Seidel D.
Nervenarzt 1981 Aug;52(8):489–90 **(Ger)**

DEFICIENCY

Enhanced renal vasoconstriction in rats fed essential fatty acid-deficient diet. Sakr HM, et al. **Am J Physiol** 1982 Jul;243(1):H61–7

Essential fatty acid deficiency in critically ill surgical patients. McCarthy MC, et al. **Am J Surg** 1981 Dec;142(6):747–51

The effect of essential-fatty-acid deficiency on the activity of liver phosphatidate phosphatase in rats. Stewart JH, et al. **Biochem J** 1981 Aug 15;198(2):413–6

The major psychoses and neuroses as omega-3 essential fatty acid deficiency syndrome: substrate pellagra. Rudin DO.
Biol Psychiatry 1981 Sep;16(9):837–50

Effects of essential fatty acid deficiency during late gestation on brain N-acetylneuraminic acid metabolism and behaviour in the progeny. Morgan BL, et al.
Br J Nutr 1981 Sep;46(2):223–30

Effects of low-zinc status and essential fatty acid deficiency on bone development and mineralization. Odutuga AA.
Comp Biochem Physiol [A] 1982;71(3):383–8

Increased proliferation of the epithelium of the proximal alimentary tract of EFA-deficient rats: a light and electron microscopy study. Eynard AR, et al. **Exp Mol Pathol** 1982 Apr;36(2):135–43

Reversal of brain essential fatty-acid deficiency in the rat by dietary linoleate, linolenate and arachidonate. Odutuga AA. **Int J Biochem** 1981;13(9):1035–8

Beneficial effect of an essential fatty acid deficient diet in NZB/NZW F1 mice. Hurd ER, et al.
J Invest Dermatol 1981 Nov;77(5):381–4

Effects of experimental diabetes on the essential fatty acid-deficient rat. Riisom T, et al. **J Lab Clin Med** 1981 Nov;98(5):764–75

Effects of dietary fatty acids on delayed-type hypersensitivity in mice. Dewille JW, et al. **J Nutr** 1981 Nov; 111(11):2039–43

Effect of essential fatty acid deficiency on maternal, placental, and fetal rat tissues. Menon NK, et al.
J Nutr 1981 Sep;111(9):1602–10

Effect of essential fatty acid deficiency and high fat diet on fatty acid composition of rat gingiva. Alam SQ, et al.
J Periodont Res 1980 Nov;15(6):633–7

Effects of essential fatty acid deficiency on the induction of liver microsomal membranes by phenobarbital: an ultrastructural and biochemical investigation. Friedman HI, et al. **JPEN** 1982 Jan-Feb;6(1):12–9

Oral correction of essential fatty acid deficiency in cystic fibrosis. Landon C, et al. **JPEN** 1981 Nov-Dec;5(6):501–4

Essential fatty acid supplemented diet increases renal excretion of prostaglandin E2 and water in essential fatty acid deficient rats. Hansen HS. **Lipids** 1981 Nov; 16(11):849–54

Essential fatty acid-supplemented diet decreases renal excretion of immunoreactive arginine-vasopressin in essential fatty acid-deficient rats. Hansen HS. **Lipids** 1982 Apr;17(4):321–2

A lack of essential fatty acids as a possible cause of hyperactivity in children. Colquhoun I, et al.
Med Hypotheses 1981 May;7(5):673–9

The dominant diseases of modernized societies as omega-3 essential fatty acid deficiency syndrome: substrate beriberi. Rudin DO. **Med Hypotheses** 1982 Jan;8(1):17–47

EFA—essentiality—1980. Aaes-Jørgensen E.
Prog Lipid Res 1981;20:123–8

Early effects of EFA deficiency on the structure and enzymatic activity of rat liver microsomes. Brenner RR, et al. **Prog Lipid Res** 1981;20:315–21

Role of zinc in linoleic acid desaturation and prostaglandin synthesis. Cunnane SC, et al. **Prog Lipid Res** 1981;20:157–60

Effects of topical application of fatty acids. Houtsmuller UM, et al. **Prog Lipid Res** 1981;20:219–24

Essential fatty acid deficiency and lipid metabolism of the developing brain. Menon NK, et al. **Prog Lipid Res** 1981; 20:129–34

Abnormal cell proliferation and differentiation and urothelial tumorigenesis in essential fatty acid deficient (EFAD) rats. Monis B, et al. **Prog Lipid Res** 1981;20:691–703

Essential fatty acids deficiency in humans. Yamanaka WK, et al. **Prog Lipid Res** 1980;19(3–4):187–215 (223 ref.)

Possible role of prostaglandins (PGs) in scaly dermatosis. Ziboh VA, et al. **Prog Lipid Res** 1981;20:857–65

[Deficiency of essential fatty acid (author's transl)] Kong XR.
Chung Hua I Hsueh Tsa Chih 1981 Aug;61(8):500–2 **(Chi)**

[Effects of glucocorticoids on the gastrointestinal tract of normal rats and rats deficient in endogenous prostaglandins] Fasce L, et al. **Boll Soc Ital Biol Sper** 1981 Jun 30; 57(12):1316–21 (Eng. Abstr.) **(Ita)**

[Modification of the fatty acid pattern of phagocytic cell phospholipids and the course of tuberculous infection in mice fed with diets deficient in essential fatty acids (author's transl)] Kondo E, et al. **Kekkaku** 1981 Sep;56(9):423–8 (Eng. Abstr.) **(Jpn)**

DIAGNOSTIC USE

The role of dietary essential fatty acids and prostaglandins in reducing blood pressure. Iacono JM, et al.
Prog Lipid Res 1981;20:349–64

HISTORY

Nutrition classics. The Journal of Nutrition. Volume 24, 1942. Pages 213-224. The effectiveness of linoleic, arachidonic, and linolenic acids in reproduction and lactation. F.W. Quackenbush, F.A. Kummerow and H. Steenbock. **Nutr Rev** 1982 May;40(5):148-51

IMMUNOLOGY

Essential fatty acids and cell-mediated immunity. Mertin J. **Prog Lipid Res** 1981;20:851-6

METABOLISM

Metabolism of trans fatty acids with emphasis on the effects of trans, trans-octadecadienoate on lipid composition, essential fatty acid, and prostaglandins: an overview. Kinsella JE, et al. **Am J Clin Nutr** 1981 Oct;34(10):2307-18

Effects of fat-free diet on fetal and maternal glucose-6-phosphate dehydrogenase and the timing of parturition in the mouse. Dresser BL, et al. **Biol Neonate** 1982;41(5-6):252-7

Incorporation and turnover of essential fatty acids in phospholipids and neutral lipids of rainbow trout. Castledine AJ, et al. **Comp Biochem Physiol [B]** 1982; 71B(1):119-26

Fatty acid utilization in perinatal de novo synthesis of tissues. Clandinin MT, et al. **Early Hum Dev** 1981 Sep;5(4):355-66

Dietary trilinoelaidate: effects on metabolic parameters related to EFA metabolism in rats. Bruckner G, et al. **J Nutr** 1982 Jan;112(1):126-35

Assessment of the essential fatty acid requirement in gerbils by polyunsaturated fatty acid ratio. Chu SH, et al. **J Nutr** 1981 Sep;111(9):1548-55

Essential and nonessential fatty acid oxidation in mice bearing Ehrlich ascites carcinoma. Ookhtens M, et al. **Lipids** 1982 Feb;17(2):65-71

Nutritional and pharmacological factors in eicosanoid biology. Willis AL. **Nutr Rev** 1981 Aug;39(8):289-301 (139 ref.)

Suspected faulty essential fatty acid metabolism in Sjögren-Larsson syndrome. Hernell O, et al. **Pediatr Res** 1982 Jan;16(1):45-9

Perturbation of the metabolism of essential fatty acids by dietary partially hydrogenated vegetable oil. Hill EG, et al. **Proc Natl Acad Sci USA** 1982 Feb;79(4):953-7

Golden Jubilee International Congress on Essential Fatty Acids and Prostaglandins. **Prog Lipid Res** 1981;20:1-91!

Nutritional and hormonal factors influencing desaturation of essential fatty acids. Brenner RR. **Prog Lipid Res** 1981; 20:41-7

Atherosclerosis: an intracellular deficiency in essential fatty acids. Cornwell DG, et al. **Prog Lipid Res** 1981;20:365-76 (187 ref.)

Essential fatty acid requirements in pregnancy and lactation with special reference to brain development. Crawford MA, et al. **Prog Lipid Res** 1981;20:31-40

Differential regulation of essential fatty acid metabolism to the prostaglandins: possible basis for the interaction of zinc and copper in biological systems. Cunnane SC. **Prog Lipid Res** 1982;21(1):73-90 (125 ref.)

Effects of dietary variation in linoleic acid content on prostaglandin synthesis in infants. Friedman Z. **Prog Lipid Res** 1981;20:59-66

The essential fatty acids: past, present and future. Mead JF. **Prog Lipid Res** 1981;20:1-6

Apparent digestibility of nutrients in diets varying in fat and P/S ratio. Olubajo OO, et al. **Prog Lipid Res** 1981;20:205-8

Essential fatty acid availability and prostacyclin production by cultured human endothelial cells. Spector AA, et al. **Prog Lipid Res** 1981;20:471-7

Cardiovascular effects of various prostaglandin precursors. Vergroesen AJ. **Prog Lipid Res** 1981;20:469-70

Unanswered questions in EFA and PG research. Willis AL. **Prog Lipid Res** 1981;20:839-50

A study of essential fatty acid metabolism as a precursor of prostaglandin in collagen disease. Tohjima T, et al. **Ryumachi** 1981;21 Suppl:81-90

[Effect of prostaglandin E2 on metabolism of essential fatty acids in liver of rats fed with unbalanced diet] Buko VU, et al. **Vopr Pitan** 1981 Sep-Oct;(5):27-30 (Eng. Abstr.) **(Rus)**

PHARMACODYNAMICS

Foetal mortality in moderately zinc-deficient rats is strictly related to the process of parturition: effect of maternal essential fatty acid supplementation. Cunnane SC. **Br J Nutr** 1982 May;47(3):495-504

Maternal essential fatty acid supplementation increases zinc absorption in neonatal rats: relevance to the defect in zinc absorption in acrodermatitis enteropathica. Cunnane SC. **Pediatr Res** 1982 Aug;16(8):599-603

Essential fatty acids in relation to mammary carcinogenesis. Carroll KK, et al. **Prog Lipid Res** 1981;20:685-90

The effect of prostaglandin precursors in in vivo models of cell-mediated immunity. Stackpoole A, et al. **Prog Lipid Res** 1981;20:649-54

PHYSIOLOGY

Prostaglandins, essential fatty acids and cell-tissue interactions in immune-inflammation. Bonta IL, et al. **Prog Lipid Res** 1981;20:617-23

The essential fatty acids fifty years ago. Burr GO. **Prog Lipid Res** 1981;20:xxvii-xxix

Role of essential fatty acids in cutaneous wound healing in rats. Caffrey BB, et al. **Prog Lipid Res** 1981;20:641-7

The possible roles of prostaglandin E1 and of essential fatty acids in mania, depression and alcoholism. Horrobin DF. **Prog Lipid Res** 1981;20:539-41

[Essential fatty acids and their significance in medicine (author's transl)] Mašek J. **Cas Lek Cesk** 1981 Aug 27; 120(34):1009-14 (Eng. Abstr.) **(Cze)**

THERAPEUTIC USE

Treatment of the Sicca syndrome and Sjogren's syndrome with E.F.A., pyridoxine and vitamin C. Horrobin DF, et al. **Prog Lipid Res** 1981;20:253-4

Treatment of lithium-induced tremor and familial essential tremor with essential fatty acids. Lieb J, et al. **Prog Lipid Res** 1981;20:535-7

Treatment of Sjogren's syndrome with essential fatty acids, pyridoxine and vitamin C. McKendry RJ. **Prostaglandins Leukotrienes Med** 1982 Apr;8(4):403-8

FATTY ACIDS, FREE see **FATTY ACIDS, NONESTERIFIED**

FATTY ACIDS, NONESTERIFIED

Differential thermal analysis of dipalmitoylphosphatidylcholine--fatty acid mixtures. Schullery SE, et al. **Biochemistry** 1981 Nov 24; 20(24):6818-24

ANALYSIS

Quantitative studies on the proteins, free fatty acids and glycogen contents of eggs of Amblyomma variegatum (Fabr) and Boophilus decoloratus (Koch) (ticks, Ixodoidea: Ixodidae). Iwuala MO, et al. **Acarologia** 1981 Jun; 22(2):133-43

A new colorimetric method for the determination of free fatty acids with acyl-CoA synthetase and acyl-CoA oxidase. Hosaka K, et al. **J Biochem (Tokyo)** 1981 Jun; 89(6):1799-803

[Free fatty acid composition in psoriasis vulgaris] Nissen HP, et al. **Hautarzt** 1982 Mar;33(3):145-7 (Eng. Abstr.) **(Ger)**

BIOSYNTHESIS

Maternal-fetal fat transport versus new fat synthesis in the pregnant diabetic rat. Shafrir E, et al. **Diabetologia** 1982 Feb;22(2):111-7

BLOOD

Effect of indomethacin on the metabolic and hormonal response to a standardized breakfast in normal subjects. Luyckx AS, et al. **Acta Diabetol Lat** 1981 Jul-Sep; 18(3):259-66

Blood sugar, serum insulin and serum free fatty acid responses to graded glucose pulses in hypothyroid dogs. Renauld A, et al. **Acta Diabetol Lat** 1982 Apr-Jun;19(2):97-105

Energy metabolism, substrate utilization, metabolite and hormone levels in infants fed various parenteral solutions. Rubecz I. **Acta Paediatr Acad Sci Hung** 1982;23(1):59-68

Free fatty acids, glycerol and triglycerides during the first 24 hours in infants with a birth weight less than or equal to 2700 grams. Christensen NC. **Acta Paediatr Scand** 1981 Jul;70(4):485-90

Metabolic effects of obstetric regional analgesia and of asphyxia in the newborn infant during the first two hours after birth. II. Arterial plasma concentrations of glycerol, free fatty acids and beta-hydroxybutyrate. Swanström S, et al. **Acta Paediatr Scand** 1981 Nov;70(6):801-9

Influence of surgery and experimental myocardial infarction on blood levels of free fatty acids and triiodothyronine in dogs. Wasilewska-Dziubińska E, et al. **Acta Physiol Pol** 1981 May-Jun;32(3):283-91

Free fatty acid mobilization in rats following intracerebroventricular norepinephrine. Barbosa MC, et al. **Am J Physiol** 1982 Apr;242(4):E248-52

Body composition, energy expenditure, and plasma metabolites in long-term fasting geese. Le Maho Y, et al. **Am J Physiol** 1981 Nov;241(5):E342-54

Changes in circulating glycerol, free fatty acids and glucose levels following liver transplant in the pig. Mampel T, et al. **Arch Int Physiol Biochim** 1981 Sep;89(3):195-9

Lecithin:cholesterol acyltransferase and serum fatty acids. Yao JK, et al. **Artery** 1981;9(4):262-74

Insulin and non-esterified fatty acids. Acute regulators of lipogenesis in perfused rat liver. Topping DL, et al. **Biochem J** 1982 May 15;204(2):433-9

Effect of heparin on plasma free fatty acid concentrations after acute myocardial infarction. Riemersma RA, et al. **Br Heart J** 1982 Aug;48(2):134-9

Effects of free fatty acids, insulin, glucagon and adrenaline on ketone body production in humans. Miles JM, et al. **Ciba Found Symp** 1982;87:192-213

Properties of carnitine incorporation in working swine hearts. Effects of coronary flow, ischemia, and excess fatty acids. Liedtke AJ, et al. **Circ Res** 1982 Jun;50(6):767-74

Interference of valproic acid in the colorimetric determination of free fatty acids in plasma [letter] Albani F, et al. **Clin Chem** 1982 Jun;28(6):1398

Enzymic and chemical-extraction determinations of free fatty acids in serum compared. Demacker PN, et al. **Clin Chem** 1982 Aug;28(8):1765-8

The ketotic ratio (KB/NEFA) in man. Schade DS, et al. **Clin Exp Pharmacol Physiol** 1981 Jul;8(4):303-13

Nonfatty acid-modulated variations in drug binding due to heparin. Naranjo CA, et al. **Clin Pharmacol Ther** 1982 Jun; 31(6):746-52

Plasma non-esterified fatty acid levels and atherogenesis in diabetes mellitus [letter] Mikhailidis DP, et al. **Diabetologia** 1981 Nov;21(5):499-500

Effects of catecholamines on plasma free fatty acids in fed and fasted cattle. Blum JW, et al. **Endocrinology** 1982 Feb; 110(2):452-6

The influence of free fatty acids on glycogen recovery in rat heart after exercise. Conlee RK, et al. **Eur J Applied Physiol** 1981;47(4):377-83

Effect of loperamide, a peripheral opiate agonist, on circulating glucose, free fatty acids, insulin, C-peptide and pituitary hormones in healthy man. Caldara R, et al. **Eur J Clin Pharmacol** 1981;21(3):185-8

Effects of cardioselective and non-cardioselective beta-blockade on adrenaline-induced metabolic and cardiovascular responses in man. Raptis S, et al. **Eur J Clin Pharmacol** 1981;20(1):17-22

Diazepam plasma binding in the perinatal period: influence of nonesterified fatty acids. Ridd MJ, et al. **Eur J Clin Pharmacol** 1982;22(2):153-60

Involvement of tissue monoamine and plasma FFA concentrations in the responses of the pigeon to changes of photoperiod. Saarela S, et al. **Experientia** 1981 Oct 15; 37(10):1085-6

Substrate changes during fasting and refeeding contrasted in old and young rats. Poland JL, et al. **Gerontology** 1982; 28(2):99-103

Beta adrenergic receptors mediated effects, insulin and plasma free fatty acids in the duck. Gross R, et al. **Horm Metab Res** 1982 Jan;14(1):18-25

Thyrotropin-releasing hormone increases plasma levels of glucagon, insulin, glucose and free fatty acids in rabbits. Knudtzon J. **Horm Metab Res** 1981 Jul;13(7):371-5

Retardant effect of hyperglycemia on the rise in plasma fatty acids following insulin withdrawal in man. Liljenquist JE, et al. **Horm Metab Res** 1981 Oct;13(10):542-5

Serum insulin, free fatty acids and blood sugar during the estrous cycle of dogs. Renauld A, et al. **Horm Metab Res** 1982 Jan;14(1):4-7

Blood concentrations of glucose, insulin and free fatty acids in shortly thyroxine-treated dogs: effects of alpha-blockade and isoproterenol. Renauld A, et al. **Horm Metab Res** 1982 Feb;14(2):101

Fluorescence labelling in trace analysis of biological samples: simultaneous determination of free fatty acids and related carboxylic compounds. Voelter W, et al. **J Chromatogr** 1981 Nov 6;217:491-501

Free fatty acids, central nervous system and bromazepam. Papageorgiou C, et al. **J Clin Chem Clin Biochem** 1982 Jan;20(1):49-55

The interaction of free fatty acids in radioimmunoassays for reverse triiodothyronine. O'Connell M, et al. **J Clin Endocrinol Metab** 1982 Sep;55(3):577-82

Lipid transport in the human newborn. Palmitate and glycerol turnover and the contribution of glycerol to neonatal hepatic glucose output. Bougnères PF, et al. **J Clin Invest** 1982 Aug;70(2):262-70

A rapid, simple, and sensitive procedure for the determination of free fatty acids in plasma using glass capillary column gas-liquid chromatography. Tserng KY, et al. **J Lipid Res** 1981 Jul;22(5):852-8

Effect of high plasma free fatty acids on the free radical formation of myocardial mitochondria isolated from ischemic dog hearts. Kamikawa T, et al. **Jpn Heart J** 1981 Nov;22(6):939-49

Changes in ingestive behavior, serum glucose and free fatty acids concentrations in rats following intracerebroventricular injection of spermine. Kohno H, et al. **Jpn J Pharmacol** 1981 Dec;31(6):863-73

Oxidation of plasma free fatty acids in nonshivering thermogenesis of rats treated chronically with norepinephrine and thyroxine. Moriya K, et al. **Jpn J Physiol** 1981;31(5):667-76

Disturbances in the blood due to driving. Robinson AA. **Med Hypotheses** 1982 Apr;8(4):343-7

A possible hepatic factor in the control of plasma free fatty acid levels. Bernal R, et al. **Metabolism** 1982 Jun; 31(6):533-7

High affinity of nonesterified polyunsaturated fatty acids for rat alpha-fetoprotein (AFP). Benassayag C, et al. **Oncodev Biol Med** 1980 Aug;1(1):27-36

Substrate concentration changes during pregnancy in the guinea pig studied under unstressed steady state conditions. Sparks JW, et al. **Pediatr Res** 1981 Oct;15(10):1340-4

Acute effects of L-carnitine on FFA and beta-OH-butyrate in man. Avogaro P, et al. **Pharmacol Res Commun** 1981 May;13(5):443-50

Theophylline disrupts diurnal rhythms of humoral factors with loss of meal cyclicity. Sakata T, et al. **Physiol Behav** 1982 Apr;28(4):641-7

Plasma bilirubin and serum free fatty acids after myocardial infarction. Cowan RE, et al. **Postgrad Med J** 1981 Jan; 57(663):9-12

Effect of glucose on plasma concentrations of individual non-esterified fatty acids of non-diabetic and

insulin-independent diabetic men. Yue KT, et al. **Postgrad Med J** 1981 Oct;57(672):622–6

Effect of vasoactive agents on fatty acid metabolism: inhibition of lipolysis by tipropidil in rat epididymal adipose tissue. Dileepan KN, et al. **Proc Soc Exp Biol Med** 1982 Jan;169(1):121–6

Serum free fatty acid and arachidonic acid response to successful inhibition of premature labor with isoxsuprine. Ogburn PL Jr, et al. **Prog Lipid Res** 1981;20:827–30

The production of free fatty acids in post-heparin plasma during equilibrium dialysis. Hamilton SF, et al. **Res Commun Chem Pathol Pharmacol** 1982 Mar; 35(3):519–22

[Triglycerides and nonesterified fatty acids in the early puerperium] Spasov S, et al. **Akush Ginekol (Sofiia)** 1982; 21(1):34–7 (Eng. Abstr.) **(Bul)**

[Potentiation by clofibride of the heparin-induced clearing reaction (intravascular hydrolysis of neutral lipids), in hyperlipemic rabbits] Elsair J, et al. **C R Soc Biol (Paris)** 1982;176(2):140–5 (Eng. Abstr.) **(Fre)**

[Plasma levels of free fatty acids, triglycerides and cholesterol in acute subrenal kidney failure] Gyöngyössi G. **Acta Chir Acad Sci Hung** 1980;21(3):245–8 (Eng. Abstr.) **(Ger)**

[Dose-dependent action of insulin on carbohydrate and lipid metabolism parameters in swine blood plasma] Brenner KV, et al. **Arch Exp Veterinarmed** 1982;36(2):269–78 (Eng. Abstr.) **(Ger)**

[Effect of allopurinol on adrenergically induced changes in serum lipid levels, heart rate and blood pressure in normal and ischemic rabbits (author's transl)] Sziegoleit W, et al. **Arzneimittelforsch** 1982;32(3):218–21 (Eng. Abstr.) **(Ger)**

[Influence of an ergometer load after intravenous lipofundin infusion on the behaviour of blood glucose, lactate, amino acid nitrogen and the free fatty acids (author's transl)] Cholewa M, et al. **Dtsch Z Verdau Stoffwechselkr** 1982; 42(2–3):99–107 (Eng. Abstr.) **(Ger)**

[Active chronic hepatitis and insulin resistance: possible role of glucagon, GH and free fatty acids] Bonora E, et al. **G Clin Med** 1981 Dec;62(12):831–45 (105 ref.) (Eng. Abstr.) **(Ita)**

[The influence of fatty acids on thyroxine and 3, 3'-diiodothyronine levels in patients with chronic renal failure on hemodialysis (author's transl)] Nishikawa M, et al. **Nippon Naibunpi Gakkai Zasshi** 1982 Feb 20; 58(2):122–30 (Eng. Abstr.) **(Jpn)**

[Plasma motilin levels and gastric hunger contractions—in relation to plasma free fatty acids (author's transl)] Noda H. **Nippon Shokakibyo Gakkai Zasshi** 1981 Dec 1; 78(12):2264–74 (Eng. Abstr.) **(Jpn)**

[Effects of intraperitoneally administered spermine on ingestive behavior, serum glucose and free fatty acids concentrations in rats (author's transl)] Kohno H, et al. **Nippon Yakurigaku Zasshi** 1981 Apr;77(4):361–70 (Eng. Abstr.) **(Jpn)**

[Blood levels of free fatty acid in unstable angina pectoris] Zalewski A, et al. **Kardiol Pol** 1981;24(1):17–23 (Eng. Abstr.) **(Pol)**

[Changes in blood biochemical parameters during physical exercise and recovery after prior diazepam administration] Markiewicz K, et al. **Med Pr** 1980;31(6):435–41 (Eng. Abstr.) **(Pol)**

[Composition of serum free fatty acid fractions in newborn infants with intrauterine fetal dystrophy syndrome] Jaśkiewicz J, et al. **Pediatr Pol** 1982 Jan;57(1):1–9 (Eng. Abstr.) **(Pol)**

[Serum free fatty acid level in children with arrhythmia during puberty] Urban M, et al. **Pediatr Pol** 1981 Oct; 56(10):1191–6 (Eng. Abstr.) **(Pol)**

[Relationship between arrhythmia and blood serum free fatty acid level in children with pneumonia] Urban M. **Pediatr Pol** 1981 Oct;56(10):1175–82 (Eng. Abstr.) **(Pol)**

[Effect of adrenaline administration on the interrelation between free fatty acid concentration in the blood and platelet accumulation in the circulatory bed of the myocardium] Gereliuk IP. **Biull Eksp Biol Med** 1981 Dec; 92(12):661–3 (Eng. Abstr.) **(Rus)**

[Effect of propranolol on the free fatty acid content in the acute period of myocardial infarct] Kulikova AG, et al. **Kardiologiia** 1982 Jan;22(1):98–9 **(Rus)**

[Dynamics of the insulin, somatotropic hormone, glucose and free fatty acid content in the blood during a direct myocardial revascularization operation under neuroleptanalgesia] Téésalu RV, et al. **Kardiologiia** 1981 Nov;21(11):97–100 (Eng. Abstr.) **(Rus)**

[Effect of electroacupuncture analgesia on various biochemical changes in children in postoperative and post-traumatic periods] Musin NO, et al. **Pediatriia** 1981; (8):52–3 (Eng. Abstr.) **(Rus)**

[Lipoprotein lipase activity and the content of free fatty acids in pig blood plasma] Martsinovskiĭ VP, et al. **Ukr Biokhim Zh** 1981 Jul-Aug;53(4):65–8 (Eng. Abstr.) **(Rus)**

[Lipid peroxide and free fatty acid dynamics in acute myocardial infarct] Volkova LP, et al. **Vrach Delo** 1981 Dec;(12):35–8 (Eng. Abstr.) **(Rus)**

DIAGNOSTIC USE

Dynamic myocardial scintigraphy with 123I-labeled free fatty acids in patients with myocardial infarction. van der Wall EE, et al. **Eur J Nucl Med** 1981;6(9):383–9

METABOLISM

Ledacrine effect on free fatty acids and glycerol mobilization from rat adipose tissue in vivo. Popowicz U, et al. **Acta Physiol Pol** 1981 May-Jun;32(3):277–81

Serotonin and cyclic nucleotides in migraine. Anthony M. **Adv Neurol** 1982;33:45–9

Contribution of altered lipolysis and reesterification in perturbations of free fatty acid kinetics during burn shock. Robinson KM, et al. **Adv Shock Res** 1981;5:27–36

Endothelial uptake of amino acids, sugars, lipids, and prostaglandins in rat lung. Syrota A, et al. **Am J Physiol** 1982 Jul;243(1):C20–6

Metabolism and compartmentation of endogenous fatty acids in aged mouse liver mitochondria. Chefurka W. **Arch Biochem Biophys** 1981 Jul;209(2):504–16

Substrate utilization in the myocardium. Drake AJ. **Basic Res Cardiol** 1982 Jan-Feb;77(1):1–11 (48 ref.)

The concentration of non-esterified fatty acids in biopsies from normoxic dog myocardium. van der Vusse GJ, et al. **Basic Res Cardiol** 1981 Jul-Aug;76(4):389–93

Catabolism of low-density lipoprotein by fibroblasts cultured in medium supplemented with saturated or unsaturated free fatty acids. Gavigan SJ, et al. **Biochim Biophys Acta** 1981 Sep 24;665(3):632–5

The biological origin of ketotic dicarboxylic aciduria. In vivo and in vitro investigations of the omega-oxidation of C6-C16-monocarboxylic acids in unstarved, starved and diabetic rats. Mortensen PB, et al. **Biochim Biophys Acta** 1981 Dec 23;666(3):394–404

Utilization of long-chain free fatty acids in white and red muscle of rats. Okano G, et al. **Biochim Biophys Acta** 1982 Feb 15;710(2):122–7

Free fatty acid as a determinant of myocardial oxygen consumption: a caveat. Dagenais GR, et al. **Can J Physiol Pharmacol** 1981 Aug;59(8):806–10

Uptake and tissue content of fatty acids in dog myocardium under normoxic and ischemic conditions. van der Vusse GJ, et al. **Circ Res** 1982 Apr;50(4):538–46

Influence of myocardial substrate utilization on the oxygen consumption of the heart. Kahles H, et al. **Clin Cardiol** 1982 Apr;5(4):286–93

Postheparin lipolytic activity in uremic patients treated by hemofiltration. Di Giulio S, et al. **Contrib Nephrol** 1982; 29:143–8

Modulation by thyroid status of the actions of glucagon and dibutyryl adenosine 3',5'-monophosphate on metabolism of free fatty acids by the isolated perfused rat liver. Shaheen O, et al. **Endocrinology** 1982 May;110(5):1740–8

Norepinephrine mobilization of free fatty acids in endurance trained rats. Thibault MC, et al. **Eur J Applied Physiol** 1981;47(4):313–22

Hypoglycemic brain injury: phospholipids, free fatty acids, and cyclic nucleotides in the cerebellum of the rat after 30 and 60 minutes of severe insulin-induced hypoglycemia. Agardh CD, et al. **J Cereb Blood Flow Metab** 1981; 1(3):267–75

Free fatty acids (FFA) in the pathogenesis and therapy of ischemic brain injury. Nemoto EM, et al. **J Cereb Blood Flow Metab** 1982;2 Suppl 1:S59–61

Effects of catecholamines on free fatty acid release from bone marrow adipose tissue. Tran MA, et al. **J Lipid Res** 1981 Nov;22(8):1271–6

Barbiturate attenuation of brain free fatty acid liberation during global ischemia. Shiu GK, et al. **J Neurochem** 1981 Dec;37(6):1448–56

The influence of bicuculline-induced seizures on free fatty acid concentrations in cerebral cortex, hippocampus, and cerebellum. Siesjö BK, et al. **J Neurochem** 1982 Sep; 39(3):796–802

Effect of dexamethasone on non-esterified fatty acid metabolism in isolated mouse thymocytes. Seillan C, et al. **J Steroid Biochem** 1981 Sep;14(9):829–33

Differential diagnosis of maldigestion and malabsorption of fat. I. Comparison of the radioactivity of triglyceride and non-esterified fatty acid in fecal fat using purified 131I-triolein. Hatakeyama K, et al. **Jpn J Surg** 1981; 11(4):263–71

Continuous measurement of free fatty acid release from intact adipocytes by pH-Stat titration. Nilsson NO, et al. **Methods Enzymol** 1981;72:319–25

Responsiveness of the trimmed rat subcutaneous adipose tissue beta-receptors to catecholamines in ontogenesis. Mühlbachová E, et al. **Physiol Bohemoslov** 1982;31(1):29–36

Polyunsaturated fatty acids of the retina. Aveldaño de Caldironi MI, et al. **Prog Lipid Res** 1981;20:49–57

Rapid release of free arachidonic acid in the central nervous system due to stimulation. Bazán NG, et al. **Prog Lipid Res** 1981;20:523–9

CDPcholine and CDPethanolamine prevent the release of free fatty acids during brain ischemia. Horrocks LA, et al. **Prog Lipid Res** 1981;20:531–4

The mechanisms of hormone and drug actions on fatty acid release from adipose tissue. Davies JI, et al. **Rev Pure Appl Pharmacol Sci** 1981 Jan-Mar;2(1):1–112 (581 ref.)

Free fatty acid and ketone body utilization under normal and pathophysiological conditions. Wahren J, et al. **Verh Dtsch Ges Inn Med** 1981;87:1489–99

[Effect of allopurinol on the liberation of free fatty acids from isolated rat and rabbit adipose tissue, stimulated by noradrenaline or adrenocortico-tropic hormone] Sziegoleit W, et al. **Acta Biol Med Ger** 1981;40(6):881–3 **(Ger)**

[Effect of the beta-receptor blockers propranolol and tilinolol on glucose- orciprenaline-induced insulin secretion, glucose tolerance and the behavior of non-esterified free fatty acids in metabolically healthy subjects] **Z Gesamte Inn Med** 1982 Mar 15;37(6):186–90 (Eng. Abstr.) **(Ger)**

[Glucose and lipid metabolism in acute myocardial infarct] Abrate M, et al. **Minerva Dietol Gastroenterol** 1981 Jul-Sep; 27(3):487–94 **(Ita)**

[Host lipids in tuberculous infection. III. Long-chain fatty acids against tubercle bacilli (author's transl)] Kondo E, et al. **Kekkaku** 1981 Mar;56(3):109–15 (Eng. Abstr.) **(Jpn)**

[Effect of adrenergic stimulation of cardiac activity on myocardial consumption of free fatty acids and triglycerides] Gereliuk IP. **Fiziol Zh SSSR** 1981 Jul; 67(7):1035–9 **(Rus)**

[Nonesterified fatty acid metabolism in humans during physical loading] Anikeeva SP, et al. **Vopr Med Khim** 1981; 27(4):435–41 (72 ref.) **(Rus)**

PHARMACODYNAMICS

Regulation of alpha-ketoisocaproate binding to albumin in vivo by free fatty acids. Nissen SL, et al. **Am J Physiol** 1982 Jan;242(1):E67–71

Fatty acid effects on calcium influx and efflux in sarcoplasmic reticulum vesicles from rabbit skeletal muscle. Katz AM, et al. **Biochim Biophys Acta** 1982 Apr 23;687(1):17–26

Effect of free fatty acids and cholesterol in vitro on liver plasma membrane-bound enzymes. Leoni S, et al. **Experientia** 1982 Jan 15;38(1):102–4

Insulin, pancreatic polypeptide, and glucagon release from the chicken pancreas in vitro: responses to changes in medium glucose and free fatty acid content. Colca JR, et al. **Gen Comp Endocrinol** 1981 Dec;45(4):482–90

Studies on the metabolism of unsaturated fatty acids. VIII. Induction of 2,4-dienoyl-CoA reductase in Escherichia coli on the addition of unsaturated fatty acids. Mizugaki M, et al. **J Biochem (Tokyo)** 1982 Apr;91(4):1453–6

Metabolic relationships between lipolysis and respiration in rat brown adipocytes. The role of long chain fatty acids as regulators of mitochondrial respiration and feedback inhibitors of lipolysis. Bukowiecki LJ, et al. **J Biol Chem** 1981 Dec 25;256(24):12840–8

Intrahepatic assembly of very low density lipoproteins. Effect of fatty acids on triacylglycerol and apolipoprotein synthesis. Davis RA, et al. **J Biol Chem** 1982 Sep 25; 257(18):10908–13

Inhibition of cap formation on lymphocytes by free fatty acids is not mediated by a depletion of ATP. Hoover RL, et al. **J Biol Chem** 1982 Mar 10;257(5):2151–4

Effects of excess free fatty acids on the electrophysiological properties of ventricular specialized conducting tissue: a comparative study between the sheep and the dog. Karagueuzian HS, et al. **J Cardiovasc Pharmacol** 1982 May-Jun;4(3):462–8

Effects of free fatty acids on synaptosomal amino acid uptake systems. Rhoads DE, et al. **J Neurochem** 1982 May; 38(5):1255–60

Effects of free fatty acids on the organization of cytoskeletal elements in lymphocytes. Hoover RL, et al. **Mol Cell Biol** 1981 Oct;1(10):939–48

Tissue damage by fatty acids released by lipolysis. Contribution to the pathogenesis of acute pancreatitis. Schmitz-Moormann P, et al. **Pathol Res Pract** 1981 May; 171(3–4):303–13

Influences of fatty acids and lipids from biological sources on the in vitro biosynthesis of prostaglandin I2 (PGI2). Beitz J, et al. **Pharmacol Res Commun** 1981 Apr; 13(4):363–83

[Interaction between free fatty acids and Ca2+-dependent ATPase from sarcoplasmic reticulum membranes] Avakian EA, et al. **Biokhimiia** 1981 May;46(5):809–24 (Eng. Abstr.) **(Rus)**

SECRETION

In vivo alpha 2-adrenoceptor-mediated inhibition of isoproterenol-stimulated free fatty acid output in dog bone marrow adipose tissue. Tran MA, et al. **Eur J Pharmacol** 1981 Dec 17;76(4):435–8

FATTY ACIDS, UNSATURATED

Chemical structure and biodegradability of halogenated aromatic compounds. Halogenated muconic acids as intermediates. Schmidt E, et al. **Biochem J** 1980 Oct 15; 192(1):331–7

Effects of cholesterol on the orientational order of unsaturated lipids in the membranes of acholeplasma laidlawii. A 2H-NMR study. Rance M, et al. **Biochim Biophys Acta** 1982 May 21;688(1):191–200

Analysis of rod outer segment disk membrane phospholipid organization using parinaric acid fluorescent probes. Sklar LA, et al. **Methods Enzymol** 1982;81:685–94

Human platelet PGE1 and dihomogammalinolenic acid. Comparison to PGE2 and arachidonic acid. Lagarde M, et al. **Prog Lipid Res** 1981;20:439–43

[Effects of intra-arterially administered capsaicinoids on vocalization in guinea pigs and medial thalamic neuronal activity in cats (author's transl)] Andoh R, et al. **Nippon Yakurigaku Zasshi** 1982 Apr;79(4):275–83 (Eng.

Abstr.) (Jpn)

ADMINISTRATION & DOSAGE

Pyruvate dehydrogenase activity in the liver, brain and adipose-tissue of lipid-deprived developing rats. Effect of minute amounts of polyunsaturated fatty acids. Loriette C, et al. **Can J Neurol Sci** 1982 May;9(2):221-9

The blood-brain barrier in rats fed on diets high or low in saturated/unsaturated fat ratio. Phillips SC, et al. **J Neurol Sci** 1982 May;54(2):279-85

ADVERSE EFFECTS

Perioral contact urticaria from sorbic acid and benzoic acid in a salad dressing. Clemmensen O, et al. **Contact Dermatitis** 1982 Jan;8(1):1-6

Contact allergy to sorbic acid and Unguentum Merck. Göransson K, et al. **Contact Dermatitis** 1981 Sep;7(5):277

Dietary factors affecting the incidence of dietary fat-induced myocardial lesions. Clandinin MT, et al. **J Nutr** 1982 Apr; 112(4):825-8

Icosapentaenoic acid and ischemic heart disease [letter] Sinclair H. **Lancet** 1982 Aug 14;2(8294):393

Treatment of Hunan hand [letter] Vogl TP. **N Engl J Med** 1982 Jan 21;306(3):178

Toxic edible oils [letter] Murray CH, et al. **Nature** 1981 Oct 1;293(5831):332

ANALYSIS

Analysis of cyclopropenoid fatty acids by Raman spectroscopy. Kint S, et al. **Anal Biochem** 1981 Dec; 118(2):364-70

Comparison of polyunsaturated fatty acid levels in normal and mature cataractous human lenses. Rosenfeld L, et al. **Exp Eye Res** 1982 Jul;35(1):69-75

Determination of prostaglandin precursors in frog tissue using selected-ion monitoring in gas chromatographic-mass spectrometric analysis. Eiceman GA, et al. **J Chromatogr** 1982 Feb 5;236(1):97-104

Measurement of eicosapolyenoic acids in the serum by gas-liquid chromatography-chemical ionization mass spectrometry. Suzuki M, et al. **J Lipid Res** 1982 Feb; 23(2):363-6

Structure determinations of unsaturated fatty acids by oxidative fission. Ackman RG, et al. **Methods Enzymol** 1981;72:253-76

Use of a microcomputer controlled film balance to study the behavior of unsaturated esters of cholesterol at the air/water interface. Smaby JM, et al. **Prog Lipid Res** 1981; 20:795-8

[Significance of bound fatty acids in human sperm in fertility disorders] Nissen HP, et al. **Andrologia** 1981 Sep-Oct; 13(5):444-51 (Eng. Abstr.) (Ger)

BIOSYNTHESIS

Isolation of an enzyme system in rat lung cytosol which converts arachidonic acid into 8,11,12-trihydroxyeicosatrienoic acid. Pace-Asciak CR, et al. **Adv Prostaglandin Thromboxane Leukotriene Res** 1982; 9:71-6

Chain elongation in the formation of polyunsaturated fatty acids by brain: some properties of the microsomal system. Cook HW. **Arch Biochem Biophys** 1982 Apr 1; 214(2):695-704

Purification of thromboxane synthetase and evidence of two distinct mechanisms for the formation of 12-L-hydroxy-5,8,10-heptadecatrienoic acid by porcine lung microsomes. Hall ER, et al. **Biochim Biophys Acta** 1981 Sep 24;665(3):498-503

Oxygenation of arachidonic acid by hepatic microsomes of the rabbit. Mechanism of biosynthesis of two vicinal dihydroxyeicosatrienoic acids. Oliw EH, et al. **Biochim Biophys Acta** 1981 Dec 23;666(3):327-40

Formation of 8,11,12-trihydroxyeicosatrienoic acid by a rat lung high-speed supernatant fraction. Pace-Asciak CR, et al. **Biochim Biophys Acta** 1981 Aug 24;665(2):352-4

Arachidonic acid metabolism in rabbit renal cortex. Formation of two novel dihydroxyeicosatrienoic acids. Oliw EH, et al. **J Biol Chem** 1981 Oct 10;256(19):9924-31

Effects of dietary long-chain fatty acids on the rat biosynthesis of unsaturated fatty acids in the rat. De Schrijver R, et al. **J Nutr** 1982 Apr;112(4):619-26

Polyunsaturation systems from higher plants. Murphy DJ, et al. **Methods Enzymol** 1981;72:768-73

Some Phytomonas and Herpetomonas species form unique iso-branched polyunsaturated fatty acids. Fish WR, et al. **Mol Biochem Parasitol** 1982 Jan;5(1):1-18

Cis and trans-octadecenoic acids as precursors of polyunsaturated acids. Holman RT, et al. **Prog Lipid Res** 1981;20:151-6

BLOOD

The effect of variations in dietary fatty acids on the fatty acid composition of erythrocyte phosphatidylcholine and phosphatidylethanolamine in human infants. Putnam JC, et al. **Am J Clin Nutr** 1982 Jul;36(1):106-14

The fatty acids of erythrocytes of myocardial infarction patients. Lea EJ, et al. **Atherosclerosis** 1982 Feb; 41(2-3):363-9

Determination of capsaicin in tissues and separation of capsaicin analogues by high-performance liquid chromatography. Saria A, et al. **J Chromatogr** 1981 Apr 3;208(1):41-6

Energy intake and the appearance of 5,8,11-eicosatrienoic acid in serum lipids during parenteral nutrition without fat. Nubé M, et al. **JPEN** 1982 Mar-Apr;6(2):134-9

High affinity of nonesterified polyunsaturated fatty acids for rat alpha-fetoprotein (AFP). Benassayag C, et al. **Oncodev Biol Med** 1980 Aug;1(1):27-36

Abnormal polyunsaturated fatty acid patterns of serum lipids in Reye's syndrome. Ogburn PL Jr, et al. **Proc Natl Acad Sci USA** 1982 Feb;79(3):908-11

Human platelet PGE1 and dihomogammalinolenic acid. Comparison to PGE2 and arachidonic acid. Lagarde M, et al. **Prog Lipid Res** 1981;20:439-43

Metabolism of radioactive 5,8,11,14,17-eicosapentaenoic acid by human platelets. McKean ML, et al. **Prog Lipid Res** 1981;20:435-8

Unsaturated fatty acids and human mononuclear cell function. Utermohlen V, et al. **Prog Lipid Res** 1981; 20:739-41

[Preliminary results of studies on relationship between selected spirometric parameters and the lipids metabolism indices (author's transl)] Miłkowski A, et al. **Przegl Lek** 1981;38(8):591-3 (Eng. Abstr.) (Pol)

CHEMICAL SYNTHESIS

Preparation & biological activity of fatty acid dimer. Balu CR, et al. **Indian J Biochem Biophys** 1981 Apr;18(2):124-7

Preparation of parinaric acid derivatives. Tsai A, et al. **Methods Enzymol** 1981;72:483-5

The organic synthesis of unsaturated fatty acids. Sprecher H, et al. **Prog Lipid Res** 1981;20:769-71

ISOLATION & PURIFICATION

Separation of icosenoic acids, monohydroxyicosenoic acids, and prostaglandins by high-pressure liquid chromatography on a silver ion-loaded cation-exchange column. Powell WS. **Anal Biochem** 1981 Aug;115(2):267-77

Parinaric acid from Parinarium glaberrimum. Sklar LA, et al. **Methods Enzymol** 1981;72:479-82

METABOLISM

Metabolism of polyunsaturated fatty acids by mouse peritoneal macrophages: the lipoxygenase metabolic pathway. Rabinovitch H, et al. **Agents Actions** 1981 Dec; 11(6-7):580-3

Incorporation of polyunsaturated fatty acids into lipids of rainbow trout hepatocytes. Sellner PA, et al. **Am J Physiol** 1982 Sep;243(3):R223-8

Binding of halothane-free radicals to fatty acids following UV irradiation. Bösterling B, et al. **Anesthesiology** 1982 May;56(5):380-4

Desaturation and elongation of unsaturated fatty acids in hepatocytes from thermally acclimated rainbow trout. Sellner PA, et al. **Arch Biochem Biophys** 1982 Jan; 213(1):58-66

Polyunsaturated fatty acids, hyperlipidemia, and thrombosis. Goodnight SH Jr, et al. **Arteriosclerosis** 1982 Mar-Apr; 2(2):87-113 (193 ref.)

Deviation from the usual relationships between the temperature, the growth rate, the fatty acid composition and the lipid microviscosity of four different fungi (Mucor mucedo, Aspergillus ochraceus, Scopulariopsis brevicaulis, Achlya bisexualis. Chavant L, et al. **Biochem Biophys Res Commun** 1981 Aug 14;101(3):912-20

Rapid in vivo metabolism of leukotriene C3 in the monkey Macaca irus. Hammarström S, et al. **Biochem Biophys Res Commun** 1981 Aug 31;101(4):1109-15

Metabolism of pent-4-enoate in rat heart. Reduction of the double bond. Hiltunen JK, et al. **Biochem J** 1981 Feb 15; 194(2):427-32

Further characterization of a Chinese hamster ovary cell mutant requiring cholesterol and unsaturated fatty acid for growth. Chin J, et al. **Biochemistry** 1982 Jun 22; 21(13):3196-202

Phospholipid metabolism of stimulated lymphocytes. Preferential incorporation of polyunsaturated fatty acids into plasma membrane phospholipid upon stimulation with concanavalin A. Rode HN, et al. **Biochim Biophys Acta** 1982 May 21;688(1):66-74

Effect of dietary polyunsaturated fatty acids on the activity and content of fatty acid synthetase in mouse liver. Schwartz RS, et al. **Biochim Biophys Acta** 1982 May 13; 711(2):316-26

The polyunsaturated fatty acid status of the twin foetal lamb and the effect of maternal nutrient intake. Payne E, et al. **Br J Nutr** 1982 Jan;47(1):101-4

Distribution and metabolism of 3H-labeled leukotriene C3 in the mouse. Appelgren LE, et al. **J Biol Chem** 1982 Jan 10;257(1):531-5

Metabolism of leukotriene C3 in the guinea pig. Identification of metabolites formed by lung, liver, and kidney. Hammarström S. **J Biol Chem** 1981 Sep 25;256(18):9573-8

Formation of trihydroxyheptadecenoic acids, monohydroxyicosatrienoic acids, and prostaglandins from 8,11,14-icosatrienoic acid by adult and fetal aorta. Powell WS. **J Biol Chem** 1982 Aug 25;257(16):9465-72

Dihomo-prostaglandins and -thromboxane. A prostaglandin family from adrenic acid that may be preferentially synthesized in the kidney. Sprecher H, et al. **J Biol Chem** 1982 Apr 10;257(7):3912-8

Metabolism of 2-hexadecynoate and inhibition of fatty acid elongation. Wood R, et al. **J Biol Chem** 1981 Dec 10; 256(23):12379-86

The correlation of fatty acid content of infected cells and virions with Newcastle disease virus (NDV) virulence. Blenkharn JI, et al. **J Gen Virol** 1981 Feb;52(Pt 2):355-8

Metabolism of very long-chain monounsaturated fatty acids (22:1) and the adaptation to their presence in the diet. Bremer J, et al. **J Lipid Res** 1982 Feb;23(2):243-56 (117 ref.)

Unsaturated fatty acid requirement in Escherichia coli: mechanism of palmitate-induced inhibition of growth of strain WN1. Ingram LO, et al. **J Membr Biol** 1982; 65(1-2):31-40

Hormonal effects on fatty acid binding and physical properties of rat liver plasma membranes. Schroeder F. **J Membr Biol** 1982;68(1):1-10

Assessment of the essential fatty acid requirement in gerbils by polyunsaturated fatty acid ratio. Chu SH, et al. **J Nutr** 1981 Sep;111(9):1548-55

Distribution of capsaicin in rat tissues after systemic administration. Saria A, et al. **J Pharm Pharmacol** 1982 Apr;34(4):273-5

Trans-fatty acid analysis [letter] Applewhite TH. **Lipids** 1981 Sep;16(9):703-4

In vitro conversion of saturated to monounsaturated fatty acid by Ehrlich ascites cells. Mercuri O, et al. **Lipids** 1981 Dec;16(12):893-6

Perturbation of the metabolism of essential fatty acids by dietary partially hydrogenated vegetable oil. Hill EG, et al. **Proc Natl Acad Sci USA** 1982 Feb;79(4):953-7

Degradation of unsaturated fatty acids. 4-Enoyl-CoA reductase: purification, characterization and physiological function. Kunau WH, et al. **Prog Lipid Res** 1981;20:327-30

The influence of ambient peroxides on the conversion of 5,8,11,14,17-eicosapentaenoic acid to prostaglandins. Lands WE, et al. **Prog Lipid Res** 1981;20:287-90

Apparent digestibility of nutrients in diets varying in fat and P/S ratio. Olubajo OO, et al. **Prog Lipid Res** 1981;20:205-8

Inhibition of fatty acid gastrointestinal absorption in vivo in the rat by parenteral administration of probenecid. Petroni A, et al. **Prog Lipid Res** 1981;20:815-7

Effects of ethanol ingestion on the unsaturated fatty acids from various tissues. Reitz RC, et al. **Prog Lipid Res** 1981; 20:209-13

Human umbilical blood vessel converts all cis-5, 8, 11, 14, 17 eicosapentaenoic acid to prostaglandin I3. Dyerberg J, et al. **Prostaglandins** 1981 Dec;22(6):857-62

A new prostaglandin, C22-PGF4 alpha, synthesized from docosahexaenoic acid (C22:6n3) by trout gill. Mai J, et al. **Prostaglandins** 1981 May;21(5):691-8

Tetraene and pentaene leukotrienes: selective production from murine mastocytoma cells after dietary manipulation. Murphy RC, et al. **Prostaglandins** 1981 Oct;22(4):613-22

Rabbit renal cortical microsomes metabolize arachidonic acid to trihydroxyeicosatrienoic acids. Oliw EH, et al. **Prostaglandins** 1981 Dec;22(6):863-71

PHARMACODYNAMICS

Effect of capsaicin on the nerve elements of the small intestine. Fehér E, et al. **Acta Morphol Acad Sci Hung** 1982; 30(1):57-63

Effect of prolonged and neonatal capsaicin treatments on the substance P immunoreactive nerves in the rabbit eye and spinal cord. Tervo K. **Acta Ophthalmol (Copenh)** 1981 Oct;59(5):737-46

Ocular responses to antidromic trigeminal stimulation, intracameral prostaglandin E1 and E2, capsaicin and substance P. Mandahl A, et al. **Acta Physiol Scand** 1981 Jul;112(3):331-8

Modulation of leukotriene formation by various acetylenic acids. Jakschik BA, et al. **Adv Prostaglandin Thromboxane Leukotriene Res** 1982; 9:127-35

The effect of various intakes of omega 3 fatty acids on the blood lipid composition in healthy human subjects. Bronsgeest-Schoute HC, et al. **Am J Clin Nutr** 1981 Sep; 34(9):1752-7

Metabolism of trans fatty acids with emphasis on the effects of trans, trans-octadecadienoate on lipid composition, essential fatty acid, and prostaglandins: an overview. Kinsella JE, et al. **Am J Clin Nutr** 1981 Oct;34(10):2307-18

The effects of low cholesterol, high polyunsaturated fat, and low fat diets on plasma lipid and lipoprotein cholesterol levels in normal and hypercholesterolemic subjects. Schaefer EJ, et al. **Am J Clin Nutr** 1981 Sep;34(9):1758-63

Reflex cardiovascular depression induced by capsaicin injection into canine liver. Ashton JH, et al. **Am J Physiol** 1982 Jun;242(6):H955-60

Unsaturated fatty acids and cyclooxygenase inhibitors: effects on pial arterioles. Rosenblum WI. **Am J Physiol** 1982 Apr; 242(4):H629-32

Heart lipidosis induced by short-term feeding of cis- or trans-docosenoic acids in weanling or 7-week-old rats. Astorg PO. **Ann Nutr Metab** 1981;25(4):201-7

Mechanisms of sorbate inhibition of Bacillus cereus T and Clostridium botulinum 62A spore germination. Smoot LA, et al. **Appl Environ Microbiol** 1981 Sep;42(3):477-83

The effect of polyunsaturated fatty acids on the n-3 and n-6 series on platelet aggregation and platelet and aortic fatty acid composition in rabbits. Vas Dias FW, et al. **Atherosclerosis** 1982 Jun;43(2-3):245-57

Delta four acetylenic acids – selective inhibitors of the formation of slow reacting substance. Jakschik BA, et al. **Biochem Biophys Res Commun** 1981 Sep 30;102(2):624–9

In vitro response of ATPase activities in tissue subcellular particle preparations to a series of mono-unsaturated C18 fatty acids. Koch RB. **Biochem Pharmacol** 1982 Mar 1; 31(5):867–72

The effect of n-3 and n-6 polyunsaturated fatty acids on platelet function in arterial disease. Gibney MJ. **Biochem Soc Trans** 1982 Jun;10(3):161–3

Effect of unsaturated fatty acids on the biosynthesis of glucose-repressed enzymes in yeast. Boll M, et al. **Biochim Biophys Acta** 1981 Oct 12;677(2):200–4

Activation of CTP : phosphocholine cytidylyltransferase in rat lung by fatty acids. Feldman DA, et al. **Biochim Biophys Acta** 1981 Jul 24;665(1):53–9

Effect of saturated and unsaturated fat diets on molecular species of phosphatidylcholine and sphingomyelin of human plasma lipoproteins. Myher JJ, et al. **Biochim Biophys Acta** 1981 Oct 23;666(1):110–9

In vitro and in situ studies on the inhibition of yeast AMP deaminase by fatty acids. Yoshino M, et al. **Biochim Biophys Acta** 1981 Aug 13;660(2):199–203

Arachidonic acid metabolism and modulation of in vitro anaphylaxis by 5,8,11,14-eicosatetraynoic acid and 9a,12a-octadecadiynoic acid. Hitchcock M, et al. **Br J Pharmacol** 1981 Apr;72(4):689–95

Effect of ETYA and BW 755c on arachidonate-induced contractions in the guinea-pig isolated trachea. Mitchell HW. **Br J Pharmacol** 1982 Aug;76(4):527–9

Effect of fatty acids on the ventricular arrhythmia threshold in the isolated heart of the rabbit. Murnaghan MF. **Br J Pharmacol** 1981 Aug;73(4):909–15

Depletion of primary afferent substance P by capsaicin and dihydrocapsaicin without altered thermal sensitivity in rats. Buck SH, et al. **Brain Res** 1982 Feb 4;233(1):216–20

Neonatal capsaicin does not affect unmyelinated efferent fibers of the autonomic nervous system: functional evidence. Cervero F, et al. **Brain Res** 1982 May 6; 239(1):283–8

Capsaicin applied to peripheral nerve inhibits axoplasmic transport of substance P and somatostatin. Gamse R, et al. **Brain Res** 1982 May 13;239(2):447–62

Effect of capsaicin administration to neonatal rats on the substance P content of discrete CNS regions. Helke CJ, et al. **Brain Res** 1981 Oct 19;222(2):428–31

Cholecystokinin in the rat spinal cord: distribution and lack of effect of neonatal capsaicin treatment and rhizotomy. Marley PD, et al. **Brain Res** 1982 Apr 29;238(2):494–8

Cytotoxic activity of unsaturated fatty acids to lymphocytes. Kageyama K, et al. **Can J Biochem** 1980 Jun;58(6):504–8

Lipid storage in cultured articular chondrocytes due to prostanoid precursors and a prostanoid synthesis inhibitor. Kirkpatrick CJ, et al. **Cell Tissue Res** 1982;224(2):441–8

Effects of capsaicin and bradykinin on afferent fibers with ending in skeletal muscle. Kaufman MP, et al. **Circ Res** 1982 Jan;50(1):133–9

Ricinoleic acid causes secretion in autotransplanted (extrinsically denervated) canine jejunum. Kelly DG, et al. **Dig Dis Sci** 1981 Nov;26(11):966–70

Indirect evidence for the inhibition of enteric substance P neurones by opiate agonists but not by capsaicin. Barthó L, et al. **Eur J Pharmacol** 1982 Feb 5;77(4):273–9

Coronary flow reactions to arachidonic acid are inhibited by docosahexaenoic acid. Talesnik J, et al. **Eur J Pharmacol** 1982 May 21;80(2–3):255–8

Effects of prenatal capsaicin treatment on fetal spontaneous activity, opiate receptor binding, and acid phosphatase in the spinal cord. Kirby ML, et al. **Exp Neurol** 1982 May; 76(2):298–308

Enhanced production of IgE and IgG antibodies associated with a diet enriched in eicosapentaenoic acid. Prickett JD, et al. **Immunology** 1982 Aug;46(4):819–26

5,8,11,14-Eicosatetraynoic acid (ETYA) inhibits binding of N-formyl-methionyl-leucyl-phenylalanine (FLMP) to its receptor on human granulocytes. A note of caution. Atkinson JP, et al. **Immunopharmacology** 1982 Feb;4(1):1–9

Effect of supplementation with exogenous fatty acids on growth pattern and lipid composition of Nocardia polychromogenes. Trana AK, et al. **Indian J Med Res** 1981 Oct;74:534–8

Control mechanisms of histamine release from human basophils in vitro: the role of phospholipase A2 and of lipoxygenase metabolites. Marone G, et al. **Int Arch Allergy Appl Immunol** 1981;66 Suppl 1:144–8

Effect of unsaturated fatty acids and Ca2+ on phosphatidylinositol synthesis and breakdown. Takenawa T, et al. **J Biochem (Tokyo)** 1982 Mar;91(3):793–9

cis-Polyunsaturated fatty acids induce high levels of superoxide production by human neutrophils. Badwey JA, et al. **J Biol Chem** 1981 Dec 25;256(24):12640–3

cis-Unsaturated fatty acids induce the fusion of chromaffin granules aggregated by synexin. Creutz CE. **J Cell Biol** 1981 Oct;91(1):247–56

Effect of polyunsaturated fatty acids and antioxidants on lipid peroxidation in tissue cultures. Gavino VC, et al. **J Lipid Res** 1981 Jul;22(5):763–9

Different kinetic fates of apolipoproteins A-I and A-II from lymph chylomicra of nonhuman primates. Effect of saturated versus polyunsaturated dietary fat. Parks JS, et al. **J Lipid Res** 1982 Mar;23(3):410–21

Choline uptake in cultured human Y79 retinoblastoma cells: effect of polyunsaturated fatty acid compositional modifications. Hyman BT, et al. **J Neurochem** 1982 Mar; 38(3):650–6

Capsaicin does not change tissue levels of glutamic acid, its uptake, or release in the rat spinal cord. Singer EA, et al. **J Neurochem** 1982 May;38(5):1383–6

Immunohistochemical studies on the effect of capsaicin on spinal and medullary peptide and monoamine neurons using antisera to substance P, gastrin/CCK, somatostatin, VIP, enkephalin, neurotensin and 5-hydroxytryptamine. Jancsó G, et al. **J Neurocytol** 1981 Dec;10(6):963–80

Suppression of rat liver fatty acid synthesis by eicosa-5,8,11,14-tetraynoic acid without a reduction in lipogenic enzymes. Clarke BA, et al. **J Nutr** 1982 Jun; 112(6):1212–9

Effects of dietary fatty acids on delayed-type hypersensitivity in mice. Dewille JW, et al. **J Nutr** 1981 Nov; 111(11):2039–43

Effects of neonatal administration of capsaicin on nociceptive thresholds in the mouse and rat. Hayes AG, et al. **J Pharm Pharmacol** 1981 Mar;33(3):183–5

The effects of capsaicin on intestinal sodium and fluid transport. Monsereenusorn Y. **J Pharmacobiodyn** 1980 Dec; 3(12):631–5

Effects of intestinal secretagogues and distension on small bowel myoelectric activity in fasted and fed conscious dogs. Da Cunha Melo J, et al. **J Physiol (Lond)** 1981 Dec; 321:483–94

Reduction of fertility of mice by the intrauterine injection of prostaglandin antagonists. Biggers JD, et al. **J Reprod Fertil** 1981 Nov;63(2):365–72

Potentiating effects of prostaglandin E2 on bradykinin and capsaicin responses in medial thalamic nociceptive neurons. Andoh R, et al. **Jpn J Pharmacol** 1982 Feb;32(1):81–9

Effect of fish oil on platelet kinetics in patients with ischaemic heart disease. Hay CR, et al. **Lancet** 1982 Jun 5; 1(8284):1269–70

Eicosapentaenoic acid, bleeding time, and serum lipids [letter] Saynor R, et al. **Lancet** 1982 Jul 31;2(8292):272

Effects of 11-week increases in dietary eicosapentaenoic acid on bleeding time, lipids, and platelet aggregation. Thorngren M, et al. **Lancet** 1981 Nov 28;2(8257):1190–3

Capsaicin and potassium evoked substance P release from the nucleus tractus solitarius and spinal trigeminal nucleus in vitro. Helke CJ, et al. **Life Sci** 1981 Oct 26; 29(17):1779–85

Increase in tissue concentrations of histamine and 5-hydroxytryptamine following capsaicin treatment of newborn rats. Holzer P, et al. **Life Sci** 1981 Sep 14; 29(11):1099–105

The influence of trans-acids on desaturation and elongation of fatty acids in developing brain. Cook HW. **Lipids** 1981 Dec;16(12):920–6

Interrelationship between dietary trans Fatty acids and the 6- and 9-desaturases in the rat. De Schrijver R, et al. **Lipids** 1982 Jan;17(1):27–34

4-Pentenoic acid. Schulz H, et al. **Methods Enzymol** 1981; 72:604–10

Somatotopic maps are disorganized in adult rodents treated neonatally with capsaicin. Wall PD, et al. **Nature** 1982 Feb 25;295(5851):691–3

Evidence that the contractile response of the guinea-pig ileum to capsaicin is due to substance P release. Chahl LA. **Naunyn Schmiedebergs Arch Pharmacol** 1982 Jun; 319(3):212–5

Effect of capsaicin pretreatment on capsaicin-evoked release of immunoreactive somatostatin and substance P from primary sensory neurons. Gamse R, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1981 Feb; 316(1):38–41

Differential effects of capsaicin on the content of somatostatin, substance P, and neurotensin in the nervous system of the rat. Gamse R, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1981 Sep; 317(2):140–8

Intranigral injection of capsaicin enhances motor activity and depletes nigral 5-hydroxytryptamine but not substance P. Dawbarn D, et al. **Neuropharmacology** 1981 Apr; 20(4):341–6

Degeneration of axons in the ureteric and duodenal nerve plexuses of the adult rat following in vivo treatment with capsaicin. Hoyes AD, et al. **Neurosci Lett** 1981 Aug 7; 25(1):19–24

Effect of capsaicin on the intraperitoneal axons of the rat trachea. Hoyes AD, et al. **Neurosci Lett** 1981 Nov 4; 26(3):329–34

Intracisternal capsaicin: selective degeneration of chemosensitive primary sensory afferents in the adult rat. Jancsó G. **Neurosci Lett** 1981 Nov 18;27(1):41–5

Responses of single nerve fibres to capsaicin applied to the skin. Kenins P. **Neurosci Lett** 1982 Mar 17;29(1):83–8

Depletion by capsaicin of substance P-immunoreactivity and acetylcholinesterase activity from nerve fibres in the guinea-pig heart. Papka RE, et al. **Neurosci Lett** 1981 Nov 18;27(1):47–53

Intraventricular capsaicin: alterations in analgesic responsivity without depletion of substance P. Bodnar RJ, et al. **Neuroscience** 1982 Mar;7(3):631–8

Thermal analgesia and substance P depletion induced by capsaicin in guinea-pigs. Buck SH, et al. **Neuroscience** 1981; 6(11):2217–22

Biochemical and anatomical observations on the degeneration of peptide-containing primary afferent neurons after neonatal capsaicin. Nagy JI, et al. **Neuroscience** 1981; 6(10):1923–34

The effects of capsaicin pre-treatment on the responses of single neurones to sensory stimuli in the trigeminal nucleus caudalis of the rat: evidence against a role for substance P as the neurotransmitter serving thermal nociception. Salt TE, et al. **Neuroscience** 1982 May;7(5):1141–8

Effects of capsaicin applied locally to adult peripheral nerve. II. Anatomy and enzyme and peptide chemistry of peripheral nerve and spinal cord. Ainsworth A, et al. **Pain** 1981 Dec;11(3):379–88

Effects of capsaicin applied locally to adult peripheral nerve. I. Physiology of peripheral nerve and spinal cord. Wall PD, et al. **Pain** 1981 Dec;11(3):363–77

Effects of intracerebroventricular capsaicin on thermoregulatory behavior in the rat. Dib B. **Pharmacol Biochem Behav** 1982 Jan;16(1):23–7

Analgesia induced by neonatal capsaicin treatment in rats. Saumet JL, et al. **Pharmacol Biochem Behav** 1982 Feb; 16(2):241–3

Platelet – vessel wall interaction: influence of diet. Dyerberg J. **Philos Trans R Soc Lond [Biol]** 1981 Aug 18; 294(1072):373–81

Impaired heat discrimination learning after capsaicin treatment. Obál F Jr, et al. **Physiol Behav** 1981 Dec; 27(6):977–81

The effect of diets high in either saturated or unsaturated fat on rabbit serum VLDL. Bauer JE, et al. **Prog Lipid Res** 1981;20:611–6

Effect of exogenous adrenic acid on the proliferation and lipid metabolism of cells in tissue culture. Gavino VC, et al. **Prog Lipid Res** 1981;20:323–5

Effects of diets varying in fat and P/S ratio on blood pressure and blood lipids in adult men. Judd JT, et al. **Prog Lipid Res** 1981;20:571–4

Effect of precursors of the 1, 2, and 3 series prostaglandins on renin release and renal blood flow in the dog. Gerkens JF, et al. **Prostaglandins** 1981 Oct;22(4):513–20

Effects of orally administered ethyl ester of eicosapentaenoic acid (EPA; C20:5, omega-3) on PGI2-like substance production by rat aorta. Hamazaki T, et al. **Prostaglandins** 1982 Apr;23(4):557–67

9 alpha-homo-9,11-epoxy-5,13-prostadienoic acid analogues: specific stable agonist (SQ 26, 538) and antagonist (SQ 26, 536) of the human platelet thromboxane receptor. Harris DN, et al. **Prostaglandins** 1981 Aug; 22(2):295–307

Dietary administration of eicosapentaenoic and linolenic acid increases arterial blood pressure and suppresses vascular prostacyclin synthesis in the rat. Scherhag R, et al. **Prostaglandins** 1982 Mar;23(3):369–82

Inhibition of arachidonic acid-induced contraction of guinea pig lung strips. Yen SS. **Prostaglandins** 1981 Aug; 22(2):183–94

Evening primrose oil, a dietary prostaglandin precursor, diminishes vascular reactivity to renin and angiotensin II in rats. Schölkens BA, et al. **Prostaglandins Leukotrienes Med** 1982 Mar;8(3):273–85

Release of prostaglandins E2, I2, and D2 from perfused rabbit vascular tissue stimulated by ricinoleic acid. Juan H. **Prostaglandins Med** 1981 Sep;7(3):209–15

Phospholipid and fatty acid composition of Microsporum cookei: effect of exogenous unsaturated fatty acids. Bansal VS, et al. **Sabouraudia** 1981 Dec;19(4):307–10

Protection against the cardiotoxic effect of isoproterenol-HCl by dietary polyunsaturated fatty acids and exercise. Crandall DL, et al. **Toxicol Appl Pharmacol** 1982 Jan;62(1):152–7

The role of lipid, free radical initiator, and oxygen on the kinetics of lipid peroxidation. Dirks RC, et al. **Toxicol Appl Pharmacol** 1982 Mar 30;63(1):21–8

[Effect, on renal function, of a product rich in polyunsaturated fatty acids: results obtained in healthy subjects] Bernardi P, et al. **Boll Soc Ital Biol Sper** 1982 Jan;58(1–2):55–9 **(Eng. Abstr.)** **(Ita)**

PHYSIOLOGY

Reduction of opioid binding in neuroblastoma x glioma cells grown in medium containing unsaturated fatty acids. Ho WK, et al. **Biochim Biophys Acta** 1982 May 21;688(1):211–7

Phospholipid synthesis in S. cerevisiae strain GL7 grown without unsaturated fatty acid supplements. Buttke TM, et al. **Lipids** 1982 May;17(5):361–6

POISONING

Erucic acid and the Spanish oil epidemic [letter] McMichael J. **Lancet** 1981 Nov 21;2(8256):1172–3

Erucic acid and the spanish oil epidemic [letter] Sinclair H. **Lancet** 1981 Dec 5;2(8258):1293

RADIATION EFFECTS

Photochemical destruction of the virucidal activities of retinoids and unsaturated fatty acids. Sands JA. **Antimicrob Agents Chemother** 1981 Nov;20(5):699–701

THERAPEUTIC USE

It's not fishy: fruit of the sea may foil cardiovascular disease [news] Gunby P. **JAMA** 1982 Feb 12;247(6):729–31

Other preventive roles explored for 'fish oil' [news] Gunby

P. JAMA 1982 Feb 12;247(6):731
n-3 polyunsaturated fatty acids and ischemic heart disease [letter] Lancet 1982 Sep 11;2(8298):614
Eicosapentanoic acid and ischemic heart disease [letter] Jones DB, et al. Lancet 1982 Jul 24;2(8291):221
Suppression of chronic inflammation by evening primrose oil. Kunkel SL, et al. Prog Lipid Res 1981;20:885–8
Attenuation of blood pressure increase in spontaneously hypertensive rats by diets enriched with polyunsaturated fatty acids. Hoffmann P, et al.
Prostaglandins Leukotrienes Med 1982 Feb;8(2):151–6
[Serum lipid concentrations in familial hyperlipoproteinaemia type IIa. Treatment with unsaturated fatty acids and vitamin C (author's transl)] Kábrt J, et al.
Cas Lek Cesk 1982 May 7;121(18):563–7 (Eng. Abstr.) (Cze)
[Effect, on renal function, of a product rich in polyunsaturated fatty acids: results obtained in subjects with chronic renal failure caused by nephroangiosclerosis] Bernardi P, et al. Boll Soc Ital Biol Sper 1982 Jan; 58(1–2):50–4 (Eng. Abstr.) (Ita)
[Unsaturated fatty acids in the immunology and therapy of multiple sclerosis] Cendrowski W. Pol Tyg Lek 1982 Apr 26;37(8):225–7 (Pol)
[Protective effect of unsaturated fatty acids in adrenaline-induced pulmonary edema and hypobaric hypoxia (biological significance of catecholamine hyperlipidemia)] Kogan AKh, et al.
Patol Fiziol Eksp Ter 1982 Jan–Feb;(1):50–6 (Eng. Abstr.) (Rus)

TOXICITY

Effects of dietary aroclor 1254 and cyclopropene fatty acids on hepatic enzymes in rainbow trout. Voss SD, et al.
Arch Environ Contam Toxicol 1982;11(1):87–91
Spanish adulterated oil matter. An important discovery by Spanish toxicologists: the toxicity of anilides of unsaturated fatty acids. Fournier E, et al. Toxicol Eur Res 1982 Mar; 4(2):107–12
[Embryotoxic effect of 7-oxa-13-prostynoic acid (prostaglandin antagonist) in the period of preimplantation development] Lukin VA, et al. Akush Ginekol (Mosk) 1981 Jun;(6):11–4 (Eng. Abstr.) (Rus)

FATTY ACIDS, VOLATILE

ANALYSIS

Potentials for pheromones in chimpanzee vaginal fatty acids. Fox GJ. Folia Primatol (Basel) 1982;37(3–4):255–66
Gas-liquid chromatography of positive blood cultures for rapid presumptive diagnosis of anaerobic bacteremia. Edson RS, et al. J Clin Microbiol 1982 Jun;15(6):1059–61
Enterobacteria differentiated by gas-liquid chromatography of metabolites. Salveson A, et al.
Zentral Bakteriol Mikrobiol Hyg [A] 1981;250(1–2):104–12
[Normal values of the main stool constituents from age 1 year to puberty (author's transl)] Fraisse F, et al.
Arch Fr Pediatr 1981 Nov;38(9):667–70 (Eng. Abstr.) (Fre)
[Fecal bacteria and short chain fatty acid in ulcerative colitis (author's transl)] Kawamoto M, et al.
Nippon Shokakibyo Gakkai Zasshi 1982 Feb;79(2):193–8 (Eng. Abstr.) (Jpn)
[Chromatographic profile of the genera Yersinia entero-colitica and pseudotuberculosa] Parrilla Santos E, et al. Rev Clin Esp 1981 Oct 31;163(2):87–9 (Eng. Abstr.) (Spa)

BIOSYNTHESIS

Rumen volatile fatty acid production and nutrient utilization in steers fed a diet supplemented with sodium bicarbonate and monensin. Rogers JA, et al. J Dairy Sci 1982 Jun; 65(6):944–52
Effects of intraruminal infusions of mineral salts on volatile fatty acid production in steers fed high-grain and high-roughage diets. Rogers JA, et al. J Dairy Sci 1982 Jun;65(6):953–62
Relationships between pyruvate decarboxylation and branched-chain volatile acid synthesis in Ascaris mitochondria. Komuniecki R, et al. J Parasitol 1981 Oct; 67(5):601–8
Pathway of formation of branched-chain volatile fatty acids in Ascaris mitochondria. Komuniecki R, et al.
J Parasitol 1981 Dec;67(6):841–6

METABOLISM

Trophic effect of short chain fatty acids on mucosal handling of ions by the defunctioned colon. Roediger WE, et al. Br J Surg 1982 Jan;69(1):23–5
Short chain fatty acids in the human colon. Cummings JH. Gut 1981 Sep;22(9):763–79 (129 ref.)
Partial purification of enzymes of bovine kidney mitochondria activating volatile fatty acids. Ricks CA, et al. J Dairy Sci 1981 Dec;64(12):2344–9
Regulation of volatile fatty acid uptake by mitochondrial acyl CoA synthetases of bovine liver. Ricks CA, et al.
J Dairy Sci 1981 Dec;64(12):2324–35
Regulation of volatile fatty acid uptake by mitochondrial acyl CoA synthetases of bovine heart. Ricks CA, et al.
J Dairy Sci 1981 Dec;64(12):2336–43
Fermentation and VFA production in the esophageal sac of Microtus montebelli fed different rations. Kudo H, et al. Nippon Juigaku Zasshi 1981 Jun;43(3):299–305
Absorption of Na, H ions and short chain fatty acids from the sheep colon. Rübsamen K, et al. Pflugers Arch 1981 Aug;391(2):141–6
Effect of monensin sodium on the performance and proportions of rumen volatile fatty acids of Friesian bulls. Givens DI, et al. Vet Rec 1981 Sep 5;109(10):195–7
[Volatile fatty acid and ammonia levels in the cecal contents of the horse depending on the type of feed, sequence and time of feeding] Schwabenbauer K, et al.
Fortschr Tierphysiol Tierernahr 1982;13:24–31 (Eng. Abstr.) (Ger)

PHARMACODYNAMICS

Influence of short-chain fatty acids and osmolality on mucin release in the rat colon. Sakata T, et al.
Cell Tissue Res 1981;219(2):371–7
Patterns of plasma concentrations of insulin and glucagon after intravascular and intraruminal administration of volatile fatty acids in the goat. de Jong A.
J Endocrinol 1982 Mar;92(3):357–70
Effect of chain length of short-chain fatty acids on their effect on intracranial pressure in rabbits. Trauner DA, et al. J Neurol Neurosurg Psychiatry 1982 May;45(5):428–30
Effects of portal volatile fatty acid infusions on meal patterns and blood composition in goats. de Jong A, et al.
Physiol Behav 1981 Oct;27(4):683–9

FATTY ACYL COA see ACYL COENZYME A

FATTY ALCOHOLS

An animal model for chronic ulceration. Manna V, et al.
Br J Dermatol 1982 Feb;106(2):169–81

ANALYSIS

Enterobacteria differentiated by gas-liquid chromatography of metabolites. Salveson A, et al.
Zentral Bakteriol Mikrobiol Hyg [A] 1981;250(1–2):104–12
[Identification and determination of N-docosanol in the bark extract of Pygeum africanum and in patent medicines containing it] Pierini N, et al. Boll Chim Farm 1982 Jan; 121(1):27–34 (Eng. Abstr.) (Ita)
[Hygienic chemical studies on plastics (VIII). Migration test of methyl methacrylate and plastic additives from polymethyl methacrylate (author's transl)] Inoue T, et al.
Eisei Shikenjo Hokoku 1981;99:144–7 (Eng. Abstr.) (Jpn)

BIOSYNTHESIS

Mechanism and specificity of formation of long chain alcohols by developing rat brain. Bishop JE, et al.
J Biol Chem 1981 Sep 25;256(18):9542–50

DIAGNOSTIC USE

[Effect of tiadenol on plasma lipoprotein lipase] Ferlito S, et al. Clin Ter 1981 Mar 15;96(5):487–92 (Eng. Abstr.) (Ita)

ISOLATION & PURIFICATION

Antibiotic compounds from New Zealand plants. I. Falcarindiol, an anti-dermatophyte agent from Schefflera digitata. Muir AD, et al. Planta Med 1982 Mar;44(3):129–33

METABOLISM

Reduction of fatty acids to alcohols in roe of gourami (Trichogaster cosby). Griffith TW, et al.
Biochim Biophys Acta 1981 Jul 24;665(1):34–9
Formation of ether lipids and wax esters in mammalian cells. Specificity of enzymes with regard to carbon chains of substrates. Weber N, et al. Biochim Biophys Acta 1982 May 13;711(2):197–207
Formation of ether lipids from isomeric cis-octadecen-1-ols in normal and neoplastic cells: substrate specificity of enzymes with regard to position of double bonds. Richter I, et al. Hoppe Seylers Z Physiol Chem 1981 Aug; 362(8):1163–6
Diffusion barriers to passive lipid uptake of canine posterior tracheal epithelium. Man SF, et al. J Appl Physiol 1982 May;52(5):1223–9
Omega- and (omega-1)-hydroxylation of 1-dodecanol by frog liver microsomes. Miura Y. Lipids 1981 Oct; 16(10):721–5
[Study of the comparative bioavailability of adrenaline hydrochloride and laurylsulfate by percutaneous absorption (author's transl)] Trublin F, et al. Ann Pharm Fr 1981 Jul; 39(3):235–46 (Eng. Abstr.) (Fre)

PHARMACODYNAMICS

Homoserine and threonine pools of borrelidin resistant Saccharomyces cerevisiae mutants with an altered aspartokinase. Seibold M, et al. Arch Microbiol 1981 Jul; 129(5):368–70
Pharmacological studies on tiadenol in type IV patients. Evidence for a mechanism of action different from other lipid-lowering drugs. Franceschini G, et al.
Atherosclerosis 1981 Nov–Dec;40(3–4):245–55
Changes in lipid metabolizing enzymes of hepatic subcellular fractions from rats treated with tiadenol and clofibrate. Berge RK, et al. Biochem Pharmacol 1981 Aug 15; 30(16):2251–6
Effects of clofibrate and tiadenol on the elimination of lipids and bile acids in rat bile. Cuchet P, et al. Lipids 1981 Oct; 16(10):732–8
Increased levels of threonyl-tRNA synthetase in a borrelidin-resistant Chinese hamster ovary cell line. Gantt JS, et al. Proc Natl Acad Sci USA 1981 Sep;78(9):5367–70
Block of ionic and gating currents in node of Ranvier with oenanthotoxin. Dubois JM, et al. Toxicon 1982;20(1):49–55

POISONING

[A case of cicutoxine poisoning in ponies] Dijkstra RG, et al. Tijdschr Diergeneeskd 1981 Oct;106(20):1037–9 (Dut)

THERAPEUTIC USE

Oesophageal varices treated by sclerotherapy: a histopathological study. Evans DM, et al. Gut 1982 Jul; 23(7):615–20
Transcatheter embolization with Gelfoam and Avitene: the effect of Sotradecol on the duration of arterial occlusion. Sniderman KW, et al. Invest Radiol 1981 Nov–Dec; 16(6):501–7
[Evaluation of the effects of tiadenol in various types of dyslipidemia] Saettone G, et al. Clin Ter 1982 May 31; 101(4):387–93 (Ita)
[Familial hypercholesterolemia. Screening, prevention and therapeutic possibilities] Vierucci A, et al.
Minerva Pediatr 1982 Apr 30;34(8):325–36 (184 ref.) (Eng. Abstr.) (Ita)

TOXICITY

[Toxicity of the fruit of Oenanthe crocata L.] Martínez-Honduvilla MP, et al. Arch Farmacol Toxicol 1981 Apr;7(1):197–200 (Spa)

FATTY LIVER

[Model of isolated hepatocytes in the study of hepatic steatosis] Dianzani MU, et al. Minerva Chir 1982 Feb 28; 37(4):235–6 (Ita)

BLOOD

Alpha 1-antitrypsin phenotype: transient cathodal shift in serum of infant girl with urinary cytomegalovirus and fatty liver. Hug G, et al. Pediatr Res 1982 Mar;16(3):192–8

CHEMICALLY INDUCED

Interaction between drugs and solvents as a cause of fatty change in the liver? Edling C. Br J Ind Med 1982 May; 39(2):198–9
Age dependency of rolitetracycline-induced hepatic steatosis. Estler CJ, et al. Dev Pharmacol Ther 1981; 3(4):189–96
Effects of ethionine feeding on fatty liver and plasma lipoprotein fractions in rats. Yokota F, et al. J Nutr 1982 Mar;112(3):405–9

COMPLICATIONS

[Acute fatty liver of pregnancy: report of a case complicating DIC and acute pancreatitis (author's transl)] Minakami H, et al. Nippon Sanka Fujinka Gakkai Zasshi 1982 May; 34(5):637–40 (Jpn)

DIAGNOSIS

CT appearance of focal fatty infiltration of the liver. Halvorsen RA, et al. AJR 1982 Aug;139(2):277–81
133xe uptake in focal hepatic fat accumulation: CT correlation. Patel S, et al. AJR 1982 Mar;138(3):541–4
Isodense hepatic metastases in fatty liver. Lee H, et al.
CT 1981 Dec;5(6):537–42
Acute fatty liver of pregnancy. Increased survival by early recognition and aggressive therapy. Ahola SJ, et al.
Diagn Gynecol Obstet 1982 Spring;4(1):69–74
[Acute fatty liver of pregnancy. A review based on 5 case histories] Bahnsen M, et al. Ugeskr Laeger 1982 Mar 8; 144(10):701–3 (Eng. Abstr.) (Dan)
[Videodensitometry of the ultrasonic tomogram for tissue differentiation of the liver (author's transl)] Raab K, et al.
Radiol Diagn (Berl) 1982 Mar;23(2):127–34 (Eng. Abstr.) (Ger)
[Circumscribed fatty liver. Sonographic, computer tomographic and scintigraphic findings]
Crone-Münzebrock W, et al. ROFO 1982 Mar;136(3):342–4 (Ger)
[Liver findings during gynecological laparoscopies] Reinmuth J, et al. Z Arztl Fortbild (Jena) 1982 Mar 15; 76(6):245–6 (Ger)
[Use of laparoscopy in the diagnosis of hepatic steatosis] De la Revilla L, et al. Rev Esp Enferm Apar Dig 1982 Mar; 61(3):218–24 (Eng. Abstr.) (Spa)

DIET THERAPY

[Daily plans for the dietary management of fatty liver] Matzkies F, et al. Fortschr Med 1981 Dec 3;99(45):1885–93 (Ger)

DRUG THERAPY

Disseminated intravascular coagulation in hepatic failure treated with antithrombin III. Laursen B, et al. **Thromb Res** 1981 Jun 1-25;22(5-6):701-4

ETIOLOGY

Fatty changes in the liver: the relation to age, overweight and diabetes mellitus. Hornbøll P, et al. **Acta Pathol Microbiol Immunol Scand [A]** 1982 May; 90(3):199-205

Persistent transaminasemia and fatty liver. Their use in the diagnosis of presymptomatic Wilson's disease. Stillman AE, et al. **Am J Dis Child** 1982 Mar;136(3):242-4

Variations in dietary intake after bypass surgery for obesity. Possible relation to development of fatty liver after jejunoileal bypass. Rogus J, et al. **J Am Diet Assoc** 1981 Oct;79(4):437-40

Plasma estradiol, thyroid hormones, and liver lipid content in laying hens fed different isocaloric diets. Akiba Y, et al. **J Nutr** 1982 Feb;112(2):299-308

Fatty liver in diabetes mellitus. **J Tenn Med Assoc** 1981 Jul; 74(7):514-5

Egg yolk-induced lipolysosome proliferation and fat infiltration of rat liver. Lee M, et al. **Lab Invest** 1982 Aug; 47(2):194-7

[Familial Mediterranean fever and fatty liver. effect of a long time colchicine treatment on triglyceride storage (author's transl)] Moretti G, et al. **Ann Med Interne (Paris)** 1981; 132(7):482-6 (Eng. Abstr.) **(Fre)**

[Leye's (or Reye-like) syndrome (encephalopathy and small droplet fatty liver) in adults. Polyetiologic or drug induced?] Martini GA. **Internist (Berlin)** 1981 Sep; 22(9):578-82 **(Ger)**

[The fatty liver. Pathogenesis, etiology and clinical aspects] Müting D. **ZFA (Stuttgart)** 1981 Aug 20;57(23):1554-61 **(Ger)**

[Clinico-pathogenetic problems and therapeutic approach in hepatic steatosis] Fiaccadori F, et al. **G Clin Med** 1981 May; 62(5):326-38 (Eng. Abstr.) **(Ita)**

[Incidence and etiopathogenic aspects of hepatic steatosis. Review of 1,534 autopsies] Alcántara Torres M, et al. **Rev Clin Esp** 1981 Apr 30;161(2):79-83 (Eng. Abstr.) **(Spa)**

[Acute fatty metamorphosis of pregnancy. Information of three cases (author's transl)] Ponce de León Rosales S, et al. **Rev Invest Clin** 1981 Oct-Dec;33(4):399-403 (Eng. Abstr.) **(Spa)**

METABOLISM

The post mortem diagnosis of fatal hypoglycaemia using the fatty liver and kidney syndrome of chicks as a model. Bannister DW, et al. **Br J Nutr** 1982 Mar;47(2):235-41

Hepatic glucose metabolism in tryptophan-induced fatty liver. Rao PR, et al. **Indian J Biochem Biophys** 1981 Apr; 18(2):128-30

Lipotropic effects of zinc, vitamin B12, and glutathione on the fatty liver of rat. A histochemical study. Rana SV, et al. **Mikroskopie** 1981 Oct;38(9-10):294-300

[The behavior of lipid metabolism parameters in liver cirrhosis and fatty liver during glucose load] Rogos R, et al. **Z Gesamte Inn Med** 1982 May 1;37(9):271-5 (Eng. Abstr.) **(Ger)**

[Effect of reduced glutathione on carbon tetrachloride induced fatty liver: various considerations] Ciccoli L, et al. **Boll Soc Ital Biol Sper** 1981 Jul 15;57(13):1463-9 (Eng. Abstr.) **(Ita)**

OCCURRENCE

[Epidemiological notes on alcoholic hepatitis (with special reference to the province of Piacenza)] Cavallotti P, et al. **G Clin Med** 1981 May;62(5):319-25 (Eng. Abstr.) **(Ita)**

PATHOLOGY

Nonalcoholic steatohepatitis and cirrhosis with Mallory's hyalin with ultrastructural study of one case. Itoh S, et al. **Dig Dis Sci** 1982 Apr;27(4):341-6

Pathogenesis of fatty liver in rats fed a high protein diet without pyridoxine. Abe M, et al. **J Nutr** 1982 Jan; 112(1):205-10

A record for a fatty liver? [letter] van Straaten BJ. **S Afr Med J** 1981 Dec 5;60(23):881

[Changes in spleen weight due to hepatic steatosis and fibrosis (author's transl)] Bettendorf U, et al. **Dtsch Med Wochenschr** 1982 Jun 25;107(25):980-3 (Eng. Abstr.) **(Ger)**

[Patients with fatty liver. Study of ten years course of the disease (author's transl)] Pusch HJ, et al. **MMW** 1981 Oct 23;123(43):1628-30 (Eng. Abstr.) **(Ger)**

[Clinico-morphological dynamics of chronic diffuse liver diseases] Loginov AS, et al. **Ter Arkh** 1981;53(11):50-9 **(Rus)**

[Focal hepatic steatosis] Amerigo J, et al. **Rev Esp Enferm Apar Dig** 1981 Dec;60(6):621-4 (Eng. Abstr.) **(Spa)**

PHYSIOPATHOLOGY

Hepatic function in rats with dietary-induced fatty liver, as measured by the uptake of indocyanine green. Jahoor F, et al. **Br J Nutr** 1982 May;47(3):391-7

PREVENTION & CONTROL

Hepatic steatosis after intestinal bypass--prevention and reversal by metronidazole, irrespective of protein-calorie malnutrition. Drenick EJ, et al. **Gastroenterology** 1982 Mar; 82(3):535-48

[The effect of (+)-cyanidanol-3 on toxic fatty infiltration of liver parenchyma (author's transl)] Meiss R, et al. **Arzneimittelforsch** 1982;32(2):139-40 (Eng. Abstr.) **(Ger)**

RADIOGRAPHY

Computed tomography in the diagnosis of fatty liver: total lipid content and computed tomography number. Yajima Y, et al. **Tohoku J Exp Med** 1982 Mar;136(3):337-42

[Fatty liver with non-uniform attenuation in computed tomography (author's transl)] Shabana M, et al. **Rinsho Hoshasen** 1982 Feb;27(2):295-8 (Eng. Abstr.) **(Jpn)**

[Computer tomography of fatty liver] Smevik B, et al. **Tidsskr Nor Laegeforen** 1981 Sep 10;101(25):1387-9 (Eng. Abstr.) **(Nor)**

RADIONUCLIDE IMAGING

[CT number of the fatty liver (author's transl)] Maeda H, et al. **Nippon Igaku Hoshasen Gakkai Zasshi** 1981 Jun 25; 41(6):489-96 (Eng. Abstr.) **(Jpn)**

THERAPY

[Obstetrical procedure in acute fatty hepatosis in pregnant women] Martynov KA, et al. **Akush Ginekol (Mosk)** 1982 Mar;(3):6-8 **(Rus)**

VETERINARY

Interrelationships between biotin, choline and other B-vitamins and the occurrence of fatty liver and kidney syndrome and sudden death syndrome in broiler chickens. Whitehead CC, et al. **Br J Nutr** 1982 Jul;48(1):177-84

Fatal fasting syndrome of obese macaques. Bronson RT, et al. **Lab Anim Sci** 1982 Apr;32(2):187-92

The relationship of plasma estradiol and progesterone levels to the fatty liver hemorrhagic syndrome in laying hens. Haghighi-Rad F, et al. **Poult Sci** 1981 Oct;60(10):2278-83

Bacterial endotoxins and the pathogenesis of fatty liver--haemorrhagic syndrome in the laying hen. Pearson AW, et al. **Res Vet Sci** 1981 Sep;31(2):259-61

Hepatic lipodystrophy [letter] Stewart W, et al. **Vet Rec** 1982 May 22;110(21):505

FATTY LIVER, ALCOHOLIC

COMPLICATIONS

[Liver steatosis and sudden, unexpected death] Piette M, et al. **Arch Belg Med Soc** 1981 May;39(5):306-14 (Eng. Abstr.) **(Dut)**

ENZYMOLOGY

Effects of chronic ethanol intake on isozyme patterns of liver alcohol dehydrogenase. Coman M, et al. **Physiologie** 1981 Oct-Dec;18(4):247-9

ETIOLOGY

Hepatic lipogenesis and mobilization of peripheral fats in the formation of alcoholic fatty liver. Muramatsu M, et al. **Jpn J Pharmacol** 1981 Dec;31(6):931-40

[The fatty liver. Pathogenesis, etiology and clinical aspects] Müting D. **ZFA (Stuttgart)** 1981 Aug 20;57(23):1554-61 **(Ger)**

[Alcoholic fatty liver and lipid peroxide (author's transl)] Harada K. **Nippon Shokakibyo Gakkai Zasshi** 1981 Dec 1;78(12):2342-50 (Eng. Abstr.) **(Jpn)**

IMMUNOLOGY

Hepatitis B and A virus antibodies in alcoholic steatosis and cirrhosis. Gluud C, et al. **J Clin Pathol** 1982 Jul;35(7):693-7

Serological markers of hepatitis B in patients with alcoholic liver disease: a multi-centre survey. Hislop WS, et al. **J Clin Pathol** 1981 Sep;34(9):1017-9

METABOLISM

Control of adenine nucleotide metabolism in hepatic mitochondria from rats with ethanol-induced fatty liver. Spach PI, et al. **Biochem J** 1982 Feb 15;202(2):445-52

[Investigation on liver fat metabolism with CT (author's transl)] Hübener KH, et al. **Pol Przegl Radiol** 1981 Mar-Apr;45(2):95-101 (Eng. Abstr.) **(Pol)**

PATHOLOGY

Perivenular fibrosis in alcoholic liver injury: ultrastructure and histologic progression. Nakano M, et al. **Gastroenterology** 1982 Oct;83(4):777-85

[The thickened central venous wall in alcoholic fatty liver: a forerunner of cirrhotic transformation? A follow-up histologic examination of 75 alcoholic fatty livers] Stamm B, et al. **Pathologe** 1982 Jul;3(4):203-6 **(Ger)**

[Biopsy study of chronic alcoholic hepatopathies. Assessment of the steatosis in the course of arginine thiazolidinecarboxylate treatment] Mauro G, et al. **Clin Ter** 1982 Feb 28;100(4):359-74 (Eng. Abstr.) **(Ita)**

RADIOGRAPHY

Computed tomography attenuation values in fatty liver. Bydder GM, et al. **CT** 1981 Mar;5(1):33-5

Computed tomographic demonstration of rapid changes in fatty infiltration of the liver. Bashist B, et al. **Radiology** 1982 Mar;142(3):691-2

FATTY STREAK, ARTERIAL

COMPLICATIONS

A dissecting view on the role of the fatty streak in the pathogenesis of human atherosclerosis: culprit or bystander? Velican C. **Med Interne** 1981 Oct-Dec; 19(4):321-37 (54 ref.)

PATHOLOGY

Distribution of fatty and fibrous plaques in young human coronary arteries. Fox B, et al. **Atherosclerosis** 1982 Feb; 41(2-3):337-47

The cell population of aortic fatty streaks in African green monkeys with special reference to granulocytic cells. An ultrastructural study. Trillo AA. **Atherosclerosis** 1982 Jun; 43(2-3):259-75

FATTY TISSUE see ADIPOSE TISSUE

FATTY TUMOR see LIPOMA

FAVISM

BLOOD

Membrane lipid components of normal and glucose-6-phosphate dehydrogenase-deficient erythrocytes of asymptomatic and favic subjects. De Flora A, et al. **Acta Biol Med Ger** 1981;40(4-5):563-70

Hemoglobin Koelliker (alpha 2 minus 141 arg beta 2) in favism [letter] Schilirò G, et al. **Acta Haematol (Basel)** 1982; 67(3):229

Effect of divicine and isouramil on red cell metabolism in normal and G6PD-deficient (Mediterranean variant) subjects. Possible role in the genesis of favism. Arese P, et al. **Prog Clin Biol Res** 1981;55:725-46

CHEMICALLY INDUCED

Hingh-performance reversed-phase liquid chromatography (HPLC) of favism-inducing factors in Vicia faba L. Lattanzio V, et al. **Experientia** 1982 Jul 15;38(7):789-90

ETIOLOGY

[Genetic improvement in Vicia and favism. II. Glycosidase activity] Sisini A, et al. **Boll Soc Ital Biol Sper** 1981 Jul 30;57(14):1503-9 (Eng. Abstr.) **(Ita)**

[Genetic improvement in Vicia faba and favism. I. Distribution and levels of presumably hemolytic metabolites] Sisini A, et al. **Boll Soc Ital Biol Sper** 1981 Jul 30;57(14):1496-502 (Eng. Abstr.) **(Ita)**

FAMILIAL & GENETIC

Heterogeneity of 'Mediterranean type' glucose-6-phosphate dehydrogenase (G6PD) deficiency in Spain and description of two new variants associated with favism. Vives Corrons JL, et al. **Hum Genet** 1982;60(3):216-21

HISTORY

[Legend and reality in the noxious quality of fava beans] Grmek MD. **Pubbl Stn Zool Napoli [II]** 1980;2(1):61-121 **(Fre)**

IMMUNOLOGY

[A study of the defense mechanism of white cell series in favism (author's transl)] Yang XY. **Chung Hua Nei Ko Tsa Chih** 1982 Feb;21(2):106-8 **(Chi)**

PATHOLOGY

[Ultrastructure of bone marrow erythron in patients of favism (author's transl)] Liu YL. **Chung Hua I Hsueh Tsa Chih** 1981 Jul;61(7):396-8 (Eng. Abstr.) **(Chi)**

FAVRE-RACOUCHOT SYNDROME see under SKIN DISEASES

FAVUS see TINEA FAVOSA

FAZADINIUM see under PYRIDINIUM COMPOUNDS

FC FRAGMENTS see IMMUNOGLOBULINS, FC

FC RECEPTORS see RECEPTORS, FC

FD FRAGMENTS see IMMUNOGLOBULINS, FD

FEAR

see related
PHOBIC DISORDERS

Traditional achievement values and fear of success in a

hearing-impaired population: a disappearing phenomenon. Anthony S. **Am Ann Deaf** 1981 Aug;126(5):515-9
Panic. Katerndahl DA. **Am Fam Physician** 1982 Jul; 26(1):125-9
Dental fear in a chronic schizophrenic: a case report. Yamauchi KT. **Am J Clin Hypn** 1981 Oct;24(2):128-31
'Don't let me fall'. Byrne KM, et al. **Am J Nurs** 1982 Aug; 82(8):1242-5
The dexamethasone suppression test in panic disorder and agoraphobia. Curtis GC, et al. **Am J Psychiatry** 1982 Aug; 139(8):1043-6
Fear of freedom: psychological decompensation or existentialist phenomenon? Gluzman S. **Am J Psychiatry** 1982 Jan;139(1):57-61
Panic disorder in patients with mitral valve prolapse. Hartman N, et al. **Am J Psychiatry** 1982 May;139(5):669-70
Psychoanalytic psychotherapy and the fear of death. McCarthy JB. **Am J Psychoanal** 1981 Spring;41(1):21-30
On fear in the countertransference. Haldipur CV, et al. **Am J Psychother** 1982 Apr;36(2):240-7
Excess mortality in panic disorder. A comparison with primary unipolar depression. Coryell W, et al. **Arch Gen Psychiatry** 1982 Jun;39(6):701-3
Panic and generalized anxiety disorders. Developmental antecedents and precipitants. Raskin M, et al. **Arch Gen Psychiatry** 1982 Jun;39(6):687-9
Fear of dentists as an inhibiting factor in children's use of dental services. Kleiman MB. **ASDC J Dent Child** 1982 May-Jun;49(3):209-13
Responsitivity of rats to neutral and danger-signaling stimuli during sleep. Halperin JM, et al. **Behav Neural Biol** 1981 Oct;33(2):213-9
The neophobia-optimality explanation of contrafreeloading rats: a reassessment. Mitchell D, et al. **Behav Neural Biol** 1981 Aug;32(4):454-62
The effects of shock intensity on fear incubation (enhancement): a preliminary investigation of Eysenck's theory. Boyd TL. **Behav Res Ther** 1981;19(5):413-8
Is exposure a necessary condition for fear-reduction? De Silva P, et al. **Behav Res Ther** 1981;19(3):227-32
The effects of sex and fear level of subjects on the snake approach behavior of dyads. Evans PD. **Behav Res Ther** 1981;19(3):207-14
Children's self-initiated approach to spiders. Evans PD, et al. **Behav Res Ther** 1981;19(6):543-6
Return of fear: the role of rehearsal. Sartory G, et al. **Behav Res Ther** 1982;20(2):123-33
The reduction of anxiety in children: a comparison of the effects of 'systematic desensitization in vitro' and 'systematic desensitization in vivo'. Ultee CA, et al. **Behav Res Ther** 1982;20(1):61-7
'Preparedness' and the development of aversive associations. Emerson E, et al. **Br J Clin Psychol** 1981 Nov;20(Pt 4):293-4
Orienting responses to stimuli others fear. Kartsounis LD, et al. **Br J Clin Psychol** 1981 Nov;20(Pt 4):261-73
Major common symptoms in psychiatry. Fears and phobias. Stern R. **Br J Hosp Med** 1982 Feb;27(2):102-5
Fear of dentistry. Wardle J. **Br J Med Psychol** 1982 Jun;55(Pt 2):119-26
Fear, folie and phantom pregnancy: pseudocyesis in a fifteen-year-old girl. Hardwick PJ, et al. **Br J Psychiatry** 1981 Dec;139:558-60
Selective resistance to approach: a precursor to fear responses to an alarm call in great tit nestlings Parus major. Rydén OO. **Dev Psychobiol** 1982 Mar;15(2):113-20
Identification of women with significant fear of childbirth during late pregnancy. Areskog B, et al. **Gynecol Obstet Invest** 1982;13(2):98-107
A modified approach to systematic desensitization. Cox J, et al. **Int J Soc Psychiatry** 1981 Autumn;27(3):184-8
Mitral valve prolapse and panic attacks. Grunhaus L, et al. **Isr J Med Sci** 1982 Feb;18(2):221-3
Separation anxiety in mothers of latency-age fearful children. Breit M. **J Abnorm Child Psychol** 1982 Mar;10(1):135-44
Panic attacks in families of patients with mitral valve prolapse. Crowe RR, et al. **J Affective Disord** 1982 Jun; 4(2):121-5
Women working: fears of failure, deviance and success. Person ES. **J Am Acad Psychoanal** 1982 Jan;10(1):67-84
The effect of dentists' behaviors on fear-related behaviors in children. Weinstein P, et al. **J Am Dent Assoc** 1982 Jan; 104(1):32-8
Dentists' responses to fear- and nonfear-related behaviors in children. Weinstein P, et al. **J Am Dent Assoc** 1982 Jan; 104(1):38-40
The activation of a fear in the analytic relationship. Goldberg JJ. **J Anal Psychol** 1980 Jan;25(1):91-100
Assessment and treatment of clinical fears in mentally retarded children. Matson JL. **J Appl Behav Anal** 1981 Fall; 14(3):287-94
A comparison of the fears of mildly retarded adults with children of their mental age and chronological age matched controls. Duff R, et al. **J Behav Ther Exp Psychiatry** 1981 Jun;12(2):121-4
Sex differences, response sets and response biases in fear assessment. Farley FH, et al. **J Behav Ther Exp Psychiatry** 1981 Sep;12(3):203-12
The Lebanese Fear Inventory: a normative report. Saigh PA. **J Clin Psychol** 1982 Apr;38(2):352-5
Self-efficacy expectancies, response-outcome expectancies, emotionally based expectancies, and their relationship to avoidant behavior and its reduction through therapy. Sappington AA, et al. **J Clin Psychol** 1981 Oct;37(4):737-44
Treatment of panic disorder. Muskin PR, et al. **J Clin Psychopharmacol** 1981 Mar;1(2):81-90
Adolescents' fright reactions to television and films. Cantor J, et al. **J Commun** 1982 Winter;32(1):87-99
The multidimensional Fear of Death Scale: an independent analysis. Walkey FH. **J Consult Clin Psychol** 1982 Jun; 50(3):466-7
The child and the fear of death. Mitchell NL, et al. **J Natl Med Assoc** 1981 Oct;73(10):963-7
Panic attacks. A review of treatments and pathogenesis. Grunhaus L, et al. **J Nerv Ment Dis** 1981 Oct; 169(10):608-13 (56 ref.)
Reduction of medical fears by use of modeling: a preventive application in a general population of children. Roberts MC, et al. **J Pediatr Psychol** 1981 Sep;6(3):293-300
Microanalysis of action and fear arousal as a function of differential levels of perceived self-efficacy. Bandura A, et al. **J Pers Soc Psychol** 1982 Jul;43(1):5-21
Current concepts in psychiatry. Panic attacks and phobias. Sheehan DV. **N Engl J Med** 1982 Jul 15;307(3):156-8 (23 ref.)
Interictal psychopathology in patients with ictal fear: a quantitative investigation. Hermann BP, et al. **Neurology (NY)** 1982 Jan;32(1):7-11
Cancer in America: the socialization and promulgation of the mystique. Dagrosa TW. **Nurs Forum** 1980;19(4):324-34
Conditional fear, anxiety, and morphine-seeking behavior. Kimmel HD, et al. **Pavlov J Biol Sci** 1981 Jul-Sep; 16(3):163-72
Cardiac arrhythmias in the monkey during classically conditioned fear and excitement. Randall DC, et al. **Pavlov J Biol Sci** 1981 Apr-Jun;16(2):97-107
Women's type A/B behavior patterns and fear of success. Loewenstine HV, et al. **Percept Mot Skills** 1982 Jun; 54(3):891-4
Anxiety and panic attacks in the medically ill. Strain JJ, et al. **Psychiatr Clin North Am** 1981 Aug;4(2):333-50 (99 ref.)
Comparison of modeling and cognitive rehearsal in reduction of snake avoidance. Barrios FX, et al. **Psychol Rep** 1981 Oct;49(2):635-42
Religiosity and fear of death: strength of belief system. McMordie WR. **Psychol Rep** 1981 Dec;49(3):921-2
Cardiovascular responding during anger and fear imagery. Roberts RJ, et al. **Psychol Rep** 1982 Feb;50(1):219-30
Relationship between locus of control and maladaptive fears. Traub GS. **Psychol Rep** 1982 Jun;50(3 Pt 2):1249-50
The elicitation and habituation of orienting and defensive responses to phobic imagery and the incremental stimulus intensity effect. Grayson JB. **Psychophysiology** 1982 Jan; 19(1):104-11
A conceptualization of threat communications and protective health behavior. Beck KH, et al. **Soc Psychol Q** 1981 Sep; 44(3):204-17
[Difficulties of the dental surgeon in the face of anguish and fear in the child] Belair MA. **Rev Odontostomatol (Paris)** 1981 May-Jun;10(3):247-52 **(Fre)**
[Fear of childbirth - definition and description of the term on the basis of empirical data (author's transl)] Ringler M, et al. **Z Geburtshilfe Perinatol** 1982 Feb;186(1):55-7 (Eng. Abstr.) **(Ger)**
[How panics originate. Originally decisive factors] Brickenstein R. **ZFA (Stuttgart)** 1982 Jun 30;58(18):991-6 **(Ger)**
[Can the police prevent or control a panic?] Giese W. **ZFA (Stuttgart)** 1982 Jun 30;58(18):997-1003 **(Ger)**
[Partial seizures with affective symptomatology of fear in children] Iemolo F, et al. **Riv Neurol** 1981 Nov-Dec; 51(6):344-54 (Eng. Abstr.) **(Ita)**

DRUG EFFECTS

Mitral valve prolapse and imipramine [letter] McNeil GN Jr. **Am J Psychiatry** 1982 Feb;139(2):259-60
Response of panic disorder and resistance of depression to imipramine. Nurnberg HG, et al. **Am J Psychiatry** 1982 Aug;139(8):1060-2
Long-term effect of pentobarbital anesthesia on neophobia in the rat. McGee R, et al. **Behav Neural Biol** 1981 Jul; 32(3):376-9
Clinical response to clonidine and imipramine, and platelet alpha 2-adrenoreceptors in a case of agoraphobia with panic attacks. Zelnik TC, et al. **Biol Psychiatry** 1982 Jun; 17(6):761-6
Control of fear bradycardia in the swamp right, Sylvilagus aquaticus. Causby LA, et al. **Comp Biochem Physiol [C]** 1981;69(2):367-70
The acute effect of p-chloroamphetamine on the retention of fear conditioning in the rat: evidence for a role of serotonin in memory consolidation. Archer T, et al. **Neurosci Lett** 1981 Aug 7;25(1):75-81
Panic induced by sodium lactate: electrophysiological correlates. Knott V, et al. **Prog Neuropsychopharmacol** 1981;5(5-6):511-4
Two opposite effects of diazepam on fear by differential training in the CER-paradigm. Haug T, et al. **Psychopharmacology (Berlin)** 1981;75(2):110-3
Tricyclics, panic disorders, and arrhythmias [letter] Muskin PR. **Psychosomatics** 1982 Apr;23(4):407-8
Clonidine decreases opiate withdrawal-related anxiety: possible opiate noradrenergic interaction in anxiety and panic. Gold MS, et al. **Subst Alcohol Actions Misuse** 1980; 1(2):239-46

PHYSIOLOGY

Ovarian hormones and retention of learned fear in rats. Ebner DL, et al. **Behav Neural Biol** 1981 Sep;33(1):45-58
Behavioral and adrenocorticoid responsiveness of squirrel monkeys to a live snake: is flight necessarily stressful? Vogt JL, et al. **Behav Neural Biol** 1981 Aug;32(4):391-405
A syndrome of sleep, stridor, and panic [letter] Kryger MH, et al. **Chest** 1981 Dec;80(6):768
Serotonin and fear retention in the rat. Archer T. **J Comp Physiol Psychol** 1982 Jun;96(3):491-516
Conditioned suppression of medial forebrain bundle and septal intracranial self-stimulation in the rat: evidence for a fear-relief mechanism of the septum. Grauer E, et al. **J Comp Physiol Psychol** 1982 Feb;96(1):61-70
Habituation of fright and arousal responses in the teleosts Carassius auratus and Rutilus rutilus. Laming PR, et al. **J Comp Physiol Psychol** 1982 Jun;96(3):460-6
Effects of conditioned fear and environmental novelty on plasma beta-endorphin in the rat. Scallet AC. **Peptides (Fayetteville)** 1982 Mar-Apr;3(2):203-6
Taming in the wild Norway rat following lesions in the basal ganglia. Blanchard DC, et al. **Physiol Behav** 1981 Dec; 27(6):995-1000
Correlated behavioral and cardiac activity: amygdala mediated amnesia or fear gradients. Cross JD, et al. **Physiol Behav** 1981 Dec;27(6):965-9
[Role of corticosteroids in the development of fear and aggression reactions] Malyshenko NM. **Zh Vyssh Nerv Deiat** 1982 Jan-Feb;32(1):144-51 (Eng. Abstr.) **(Rus)**

FEASIBILITY STUDIES

Practice-based research: assessing your department's readiness. Egan EC, et al. **J Nurs Adm** 1981 Oct; 11(10):26-32
Illegal fishing [editorial] **Lancet** 1981 Dec 5;2(8258):1268-9
The financial impact on the hospital and group. Roth G, et al. **Top Health Care Financ** 1982 Fall;9(1):53-65

FEATHERS

ABNORMALITIES

Wing-flapping develops in chickens made flightless by feather mutations. Provine RR. **Dev Psychobiol** 1981 Sep; 14(5):481-6
'Porcupine': a feather structure mutation in Japanese quail. Fulton JE, et al. **Poult Sci** 1982 Mar;61(3):429-33

ANALYSIS

Occurrence of mercury in feathers from Scottish peregrines (Falco peregrinus). Lindberg P, et al. **Bull Environ Contam Toxicol** 1982 Feb;28(2):181-5

ANATOMY & HISTOLOGY

Distinguishing common food-contaminating bat hairs from certain feather barbules. Olsen AR. **J Assoc Off Anal Chem** 1981 Jul;64(4):786-91

IMMUNOLOGY

Feather pillows and allergic patients [letter] Shatz G, et al. **Ann Allergy** 1982 Jan;48(1):59
Antibody against a pigeon bloom-extract: a further antigen in pigeon fanciers' lung. Banham SW, et al. **Clin Allergy** 1982 Mar;12(2):173-8

MICROBIOLOGY

Effect of T & B cell immunosuppression on the release of Marek's disease virus from the feather follicles of chickens. Gupta SK, et al. **Indian J Exp Biol** 1982 Feb;20(2):179-80
Colonization of fresh and defatted feathers by keratinophilic fungi. Deshmukh SK, et al. **Mykosen** 1981 Oct;24(10):611-3

PATHOLOGY

Chronological observations of feather pulp lesions in chickens inoculated with Marek's disease virus. Moriguchi R, et al. **Avian Dis** 1982 Apr-Jun;26(2):375-88
Feather folliculoma in the canary (Serinus canarius). Wheeldon EB, et al. **Vet Pathol** 1982 Mar;19(2):204-6

PHYSIOLOGY

Metabolic rate and thyroid activity of hens in relation to the state of feathering. Pietras M. **Acta Physiol Pol** 1981 Jul-Aug;32(4):455-9
Hematological and blood chemical values of mallard, Anas p. platyrhynchos, drakes before, during and after remige moult. Driver EA. **J Wildl Dis** 1981 Jul;17(3):413-21

ULTRASTRUCTURE

Scanning electron microscope study of the feather follicle wall attachment in chickens. Angel S, et al. **Br Poult Sci** 1982 May;23(3):247-9

FECAL INCONTINENCE

see related
ENCOPRESIS

Symposium: anal incontinence. Sullivan ES, et al. **Dis Colon Rectum** 1982 Mar;25(2):90–107

DRUG THERAPY

Loperamide as a symptomatic treatment in pediatric surgery: a double-blind cross-over study. Kekomäki M, et al. **Z Kinderchir** 1981 Mar;32(3):237–43

ETIOLOGY

Physiologic aspects of continence after colectomy, mucosal proctectomy, and endorectal ileo-anal anastomosis. Heppell J, et al. **Ann Surg** 1982 Apr;195(4):435–43

A prospective study of the effect of haemorrhoidectomy on sphincter function and faecal continence. Read MG, et al. **Br J Surg** 1982 Jul;69(7):396–8

Pathogenesis of urgency in defaecation in Crohn's disease. Buchmann P, et al. **Digestion** 1981;22(6):310–6

Diarrhoea and urgency to defaecate in acute myocardial infarction [letter] Chaim JO, et al. **Lancet** 1982 Mar 27; 1(8274):746

Practical and emotional aspects of soiling in children with anorectal anomalies. Possibilities for prevention and early intervention. Vandvik IH, et al. **Z Kinderchir** 1981 Aug; 33(4):321–9

[Treatment of recurrent rectal fistulas complicated by anal sphincter insufficiency] Dul'tsev IuV, et al. **Sov Med** 1981; (11):102–5 **(Rus)**

MICROBIOLOGY

[Intestinal microflora of patients with anal sphincter incompetence] Dul'tsev IuV, et al. **Khirurgiia (Mosk)** 1982 Apr;(4):66–8 (Eng. Abstr.) **(Rus)**

PATHOLOGY

[Case of combined megacolon and anorectal incontinence in a 16-year-old] Mitov F. **Khirurgiia (Sofiia)** 1982; 35(2):214–5 **(Bul)**

PHYSIOPATHOLOGY

The pelvic floor musculature in the descending perineum syndrome. Henry MM, et al. **Br J Surg** 1982 Aug; 69(8):470–2

Physiological studies of the anal sphincter musculature in faecal incontinence and rectal prolapse. Neill ME, et al. **Br J Surg** 1981 Aug;68(8):531–6

Effects of loperamide on anal sphincter function in patients complaining of chronic diarrhea with fecal incontinence and urgency. Read M, et al. **Dig Dis Sci** 1982 Sep; 27(9):807–14

Role of anorectal sensation in preserving continence. Read MG, et al. **Gut** 1982 Apr;23(4):345–7

[Determination of anorectal pressure profiles in children with myelodysplasia] Georgi P, et al. **Padiatr Grenzgeb** 1981; 20(5):295–300 (Eng. Abstr.) **(Ger)**

[Physiopathology of anal continence] Almoyna CM, et al. **Rev Esp Enferm Apar Dig** 1981 Aug;60(2):189–206 (Eng. Abstr.) **(Spa)**

PREVENTION & CONTROL

The prevention of incontinence. Millard PH. **Practitioner** 1981 Dec;225(1362):1739–43

[Complications after continence resection and anus praeternaturalis re-anastomosis] Holtz J. **Chirurg** 1982 Jan; 53(1):40–3 (Eng. Abstr.) **(Ger)**

[Continent ileostomy. Indications and results] Säuberli H. **Fortschr Med** 1981 Dec 17;99(47–48):2006–7 **(Ger)**

[Continence preserving operations in ulcerative colitis] Akovbiantz A. **Helv Chir Acta** 1982 Feb;48(6):789–96 (Eng. Abstr.) **(Ger)**

[Continent colostomy] Schmidt E. **Helv Chir Acta** 1982 Feb; 48(6):855–62 (Eng. Abstr.) **(Ger)**

[The current state of rectal cancer surgery] Riedler L. **ZFA (Stuttgart)** 1981 Sep 30;57(27):1803–8 **(Ger)**

PSYCHOLOGY

Faecal incontinence: the unvoiced symptom. Leigh RJ, et al. **Lancet** 1982 Jun 12;1(8285):1349–51

REHABILITATION

Disability and incontinence. Mandelstam D. **Int Rehabil Med** 1982;4(1):3–7

SURGERY

Reverse smooth muscle plasty: a new method of treating anorectal incontinence in infants with high anal and rectal atresia. Holschneider AM, et al. **J Pediatr Surg** 1981 Dec; 16(6):917–20

Secondary anorectal surgery for the missed puborectalis muscle. Kiesewetter WB, et al. **J Pediatr Surg** 1981 Dec; 16(6):921–7

Gluteal myoplasty for sphincter replacement: principles, results and prospects. Prochiantz A, et al. **J Pediatr Surg** 1982 Feb;17(1):25–30

Levator ani transposition for anal incompetence secondary to sphincter damage. Berek JS, et al. **Obstet Gynecol** 1982 Jan;59(1):108–12

Construction of a rectal sphincter using the origin of the gluteus maximus muscle. Hentz VR. **Plast Reconstr Surg** 1982 Jul;70(1):82–5

[Intestinal prolapse and/or fecal incontinence: therapy possibilities] Buchmann P, et al. **Schweiz Med Wochenschr** 1982 May 1;112(18):648–52 (Eng. Abstr.) **(Ger)**

[New methods in the treatment of anorectal incontinence (author's transl)] Hofmann-von Kap-herr S, et al. **Z Kinderchir** 1981 Mar;32(3):258–70 (Eng. Abstr.) **(Ger)**

[Flapped and free muscle transplantation in the treatment of anal incontinence (author's transl)] Holschneider AM, et al. **Z Kinderchir** 1981 Mar;32(3):244–58 (Eng. Abstr.) **(Ger)**

[Free autogenous muscle grafts in nine children with total and incontinence (author's transl)] Belloli GP, et al. **Pediatr Med Chir** 1981 Nov-Dec;3(6):481–5 (Eng. Abstr.) **(Ita)**

THERAPY

Bowel training for children with neurogenic dysfunction: a follow-up. Dietrich S, et al. **Arch Phys Med Rehabil** 1982 Apr;63(4):166–70

Results of treatment for rectal prolapse and fecal incontinence. Keighley MR, et al. **Dis Colon Rectum** 1981 Sep;24(6):449–53

Incontinence: a major multidisciplinary problem. Glen ES. **Int Rehabil Med** 1982;4(1):1–2

Biofeedback therapy in the management of anal incontinence [letter] Chapoy PR, et al. **J Pediatr** 1982 Feb;100(2):336–7

Intermittent ileostomy occlusion for fecal storage using balloon catheter. Sanada Y, et al. **Surgery** 1982 Apr; 91(4):459–66

[The free autogenous muscle transplantation in anal incontinence] Meissner F. **Z Arztl Fortbild (Jena)** 1981 Jul 1;75(13):564–6 **(Ger)**

FECES

see related
MANURE
MELENA

Management of human excreta. Lu ZX, et al. **Am J Public Health** 1982 Sep;72(9 Suppl):54–5

Faecal peritonitis after laxative preparation for barium enema. Galloway D, et al. **Br Med J [Clin Res]** 1982 Feb 13; 284(6314):472

Nitrite-induced volatile fecal mutagens: some preliminary studies. MacDonald IA, et al. **Cancer** 1982 Apr 1; 49(7):1405–8

Is the rectum usually empty?—A quantitative study in subjects with and without diarrhea. McNeil NI, et al. **Dis Colon Rectum** 1981 Nov-Dec;24(8):596–9

Dietary fiber and personality factors as determinants of stool output. Tucker DM, et al. **Gastroenterology** 1981 Nov; 81(5):879–83

Sustained-release Rabon bolus for face fly control in cattle feces. Riner JL, et al. **J Econ Entomol** 1981 Jun; 74(3):359–62

Sanitary handling of stool samples [letter] Tougaard L, et al. **Lancet** 1981 Sep 12;2(8246):582

Creatinine measurement in urine contaminated with stool [letter] Nanji AA, et al. **N Engl J Med** 1981 Oct 29; 305(18):1094

Changes in fecal shape in sheep fed low-magnesium diets of varying calcium content. Shiga A, et al. **Nippon Juigaku Zasshi** 1981 Oct;43(5):755–9

[The effect of adding dried pig feces to the diet of egg-laying hens on the quality of eggs] Gilka J, et al. **Vet Med (Praha)** 1981 Sep;26(9):553–66 (Eng. Abstr.) **(Cze)**

[The effect of adding dried swine manure to the diet of laying hens on the quality of their meat] Gilka J, et al. **Vet Med (Praha)** 1981 Oct;26(10):609–22 (Eng. Abstr.) **(Cze)**

[Basic examination on the energization of experimental animal feces by methane fermentation (author's transl)] Kamata S, et al. **Jikken Dobutsu** 1981 Oct;30(4):445–50 (Eng. Abstr.) **(Jpn)**

ANALYSIS

Reduced decomposition and faecal excretion of methyl mercury in caecum-resected mice. Seko Y, et al. **Acta Pharmacol Toxicol (Copenh)** 1982 Feb;50(2):117–20

A study of diet, serum lipids, and fecal constituents in spouses. Eastwood MA, et al. **Am J Clin Nutr** 1982 Aug;36(2):290–3

Energy malabsorption: measurement and nutritional consequences. Heymsfield SB, et al. **Am J Clin Nutr** 1981 Sep;34(9):1954–60

The effect of rolled oats on blood lipids and fecal steroid excretion in man. Judd PA, et al. **Am J Clin Nutr** 1981 Oct;34(10):2061–7

Fecal bulk, energy intake, and serum cholesterol: regression response of serum cholesterol to apparent digestibility of dry matter and suboptimal energy intake in rats on fiber-fat diet. Normani MZ, et al. **Am J Clin Nutr** 1981 Oct; 34(10):2078–87

Adaptive effects of dietary ethanol in the pig: changes in plasma high-density lipoproteins and fecal steroid excretion and mutagenicity. Topping DL, et al. **Am J Clin Nutr** 1982 Aug;36(2):245–50

Use of enriched stable isotopes to determine zinc and iron absorption in elderly men. Turnlund JR, et al. **Am J Clin Nutr** 1982 May;35(5):1033–40

Alterations of fecal steroid composition induced by changes in dietary fiber consumption. Ullrich IH, et al. **Am J Clin Nutr** 1981 Oct;34(10):2054–60

Cholesterol excretion studies in familial hypercholesterolemic children and their normolipidemic siblings. Zavoral JH, et al. **Am J Clin Nutr** 1982 Jun;35(6):1360–7

Determination of gold in tissue and faeces by atomic-absorption spectrophotometry using carbon rod atomisation. Turkali RM, et al. **Analyst** 1981 Oct; 106(1267):1096–102

Increased levels of fecal protoporphyrin and guaiac testing [letter] Poh-Fitzpatrick MB. **Arch Dermatol** 1982 Aug; 118(8):538

Stool output and composition in the chronic non-specific diarrhoea syndrome. Jonas A, et al. **Arch Dis Child** 1982 Jan;57(1):35–9

Faecal excretion of alpha-1-antitrypsin in acute diarrhoea. Mäki M, et al. **Arch Dis Child** 1982 Feb;57(2):154–6

The steatocrit: a simple method for estimating stool fat content in newborn infants. Phuapradit P, et al. **Arch Dis Child** 1981 Sep;56(9):725–7

Fecal cholesterol excretion studies in type II hypercholesterolemic patients treated with the soybean protein diet. Fumagalli R, et al. **Atherosclerosis** 1982 Jun; 43(2–3):341–53

The association between antibiotic- associated diarrhoea and C. difficile toxin in children. Don GJ, et al. **Aust NZ J Med** 1981 Aug;11(4):433–4

Faecal mutagenesis and colonic cancer. Askew AR, et al. **Aust NZ J Surg** 1982 Feb;52(1):27–9

The determination of the minimal nitrogen excretion in steers and dairy cows and its physiological and practical implications. Orskov ER, et al. **Br J Nutr** 1982 May; 47(3):625–6

Obligatory urinary and faecal nitrogen losses in young Chilean men given two levels of dietary energy intake. Uauy R, et al. **Br J Nutr** 1982 Jan;47(1):11–20

Current status of fecal occult blood testing in screening for colorectal cancer. Winawer SJ, et al. **CA** 1982 Mar-Apr; 32(2):100–12

Fecal steroid metabolites and breast cancer risk. Papatestas AE, et al. **Cancer** 1982 Mar 15;49(6):1201–5

Absence of volatile nitrosamines in human feces. Lee L, et al. **Cancer Res** 1981 Oct;41(10):3992–4

Immunochemical differences among carcinoembryonic antigen in tumor tissues and related antigens in meconium and adult feces. Matsuoka Y, et al. **Cancer Res** 1982 May; 42(5):2012–8

Fecal mutagens in two Japanese populations with different colon cancer risks. Mower HF, et al. **Cancer Res** 1982 Mar; 42(3):1164–9

Improved nonradioactive method for routine clinical analysis for long- and medium-chain stool lipids. Bandi ZL, et al. **Clin Chem** 1982 May;28(5):1211–4

Determination of lipids, including medium-chain fatty acids, in human feces. Esteves W, et al. **Clin Chem** 1982 Apr;28(4 Pt 1):603–5

Immunological similarity of NCA (non-specific cross-reacting antigen) in feces with alpha 1-acid glycoprotein. Miyazaki T, et al. **Clin Chim Acta** 1982 Jul 1;122(2):161–8

Estimation of trypsin in feces by a new colorimetric method. Solis C, et al. **Clin Chim Acta** 1982 Jul 15;122(3):431–6

Improved extraction procedure for determination of bile acids in faeces. van den Ende A, et al. **Clin Chim Acta** 1982 May 6;121(1):95–109

Measurement of porcine faecal IgA, IgG and IgM levels by a competitive enzyme-linked immunosorbent assay. Franz J, et al. **Clin Exp Immunol** 1981 Mar;43(3):645–9

Origins of neutral sterols in human feces studied by stable isotope labeling (D and 13C). Existence of an external secretion of cholesterol. Férézou J, et al. **Digestion** 1981; 21(5):232–43

Faecal bile acids and the irritable colon syndrome. Flynn M, et al. **Digestion** 1981;22(3):144–9

Enhanced fecal excretion of mirex in rhesus monkeys by 5% mineral oil in the diet. Rozman T, et al. **Drug Chem Toxicol** 1981;4(3):251–62

New method for the determination of bile acid turnover using 75Se-homocholic acid taurine. Delhez H, et al. **Eur J Nucl Med** 1982;7(6):269–71

Fecal bile acid analysis in healthy Japanese subjects using a lipophilic anion exchanger, capillary column gas chromatography and mass spectrometry. Tanida N, et al. **Gastroenterol Jpn** 1981;16(4):363–71

Quantification of the fate of dietary fiber in humans by a newly developed radiolabeled fiber marker. Carryer PW, et al. **Gastroenterology** 1982 Jun;82(6):1389–94

False-positive stool occult blood tests caused by iron preparations. A controlled study and review of literature. Lifton LJ, et al. **Gastroenterology** 1982 Oct;83(4):860–3

Faecal tritium excretion after intravenous administration of 3H-25-hydroxyvitamin D3 in control subjects and in patients with malabsorption. Compston JE, et al. **Gut** 1982 Apr;23(4):310–5

Comparison of the composition of faecal fluid in Crohn's disease and ulcerative colitis. Schilli R, et al. **Gut** 1982 Apr;

23(4):326–32
Diagnosis of occult gastrointestinal lesions by stool guaiac testing in a geriatric hospital. Mangla JC, et al. **J Am Geriatr Soc** 1981 Oct;29(10):473–5
Comparison of ytterbium chloride and chromium sesquioxide as fecal indicators. Prigge EC, et al. **J Anim Sci** 1981 Dec; 53(6):1629–33
High-performance liquid chromatography of bile pigments: separation and characterization of the urobilinoids. Bull RV, et al. **J Chromatogr** 1981 Nov 20;218:647–52
Analysis of free stool porphyrins by high-performance liquid chromatography. Meyer HD, et al. **J Chromatogr** 1981 Nov 6;217:473–8
High-performance liquid chromatographic analysis of nitrate in urine and feces. Witter JP, et al. **J Chromatogr** 1982 May 14;229(2):450–4
Faecal chymotrypsin—a new photometric method using N-acetyl-L-tyrosine ethyl ester as substrate. Schlaeger R, et al. **J Clin Chem Clin Biochem** 1982 Mar;20(3):147–50
Rapid detection of Clostridium difficile toxin in human feces. Ryan RW, et al. **J Clin Microbiol** 1980 Dec;12(6):776–9
Evaluation of a new enzyme-linked immunosorbent assay test for rotavirus antigen in faeces. Beards GM, et al. **J Clin Pathol** 1981 Dec;34(12):1388–91
A spectrometric study of the fluorescence detection of fecal urobilinoids. Lloyd JB, et al. **J Forensic Sci** 1982 Apr; 27(2):352–65 (18 ref.)
Varying results of counterimmunoelectrophoresis for the detection of Clostridium difficile toxins [letter] Tilton RC, et al. **J Infect Dis** 1982 Sep;146(3):449–50
Sulfated bile acids in human feces [letter] van Faassen A, et al. **J Lipid Res** 1982 Mar;23(3):508
Effects of dietary soybean globulins on plasma and liver lipids and on fecal excretion of neutral sterols in rats. Okita T, et al. **J Nutr Sci Vitaminol (Tokyo)** 1981;27(4):379–88
Stool chloride losses and alkalosis [letter] Albert MS. **J Pediatr** 1982 Jun;100(6):1007–8
Clostridium difficile toxin in asymptomatic neonates. Donta ST, et al. **J Pediatr** 1982 Mar;100(3):431–4
Black heme-positive stools without gastrointestinal hemorrhage. Stillman AE. **J Pediatr** 1982 Mar;100(3):414–5
Differential diagnosis of maldigestion and malabsorption of fat. I. Comparison of the radioactivity of triglyceride and non-esterified fatty acid in fecal fat using purified 131I-triolein. Hatakeyama K, et al. **Jpn J Surg** 1981; 11(4):263–71
Differential diagnosis of maldigestion and malabsorption of fat. II. Comparison of 131I-triolein with 14C-triolein in normal, pancreatic juice-deficient, short bowel and bile-deficient dogs. Hatakeyama K, et al. **Jpn J Surg** 1981; 11(4):272–6
Some metabolic interrelationships among cadmium, lead, copper and zinc: results from a field survey in CD-polluted areas in Japan. Part II. Fecal excretion of the heavy metals. Iwao S, et al. **Keio J Med** 1981 Apr;30(2):71–82
Some metabolic interrelationships among cadmium, lead, copper and zinc: results from a field survey in CD-polluted areas in Japan. Part four: heavy metal ratios and correlations. Iwao S, et al. **Keio J Med** 1981 Sep; 30(3):115–24
Gas-liquid chromatography as screening test for Clostridium difficile [letter] Potvliege C, et al. **Lancet** 1981 Nov 14; 2(8255):1105
Comparison of bile acid synthesis determined by isotope dilution versus fecal acidic sterol output in human subjects. Duane WC, et al. **Lipids** 1982 May;17(5):345–8
Biohydrogenation of cholesterol as an index of bacterial 7 alpha-dehydroxylase activity. Huang CT, et al. **Lipids** 1981 Sep;16(9):670–6
Collection of feces for studies of xenobiotic metabolism and disposition. Mathews HB. **Methods Enzymol** 1981;77:31–4
Immunological characterization and structural studies of normal fecal antigen-1 related to carcinoembryonic antigen. Kuroki M, et al. **Mol Immunol** 1982 Mar; 19(3):399–406
Inhibitory effect of the ether extract of human feces on activities of mutagens: inhibition by oleic and linoleic acids. Hayatsu H, et al. **Mutat Res** 1981 May;81(3):287–93
Stimulation of mutagen production in human feces by bile and bile acids. Van Tassell RL, et al. **Mutat Res** 1982 Mar; 103(3–6):233–9
Mutagens in human faeces. Are they relevant to cancer of the large bowel? Venitt S. **Mutat Res** 1982 May; 98(3):265–86 (58 ref.)
Increase in faecal nitrosamines in Japanese individuals given a Western diet. Suzuki K, et al. **Nature** 1981 Dec 3; 294(5840):453–6
Fecal neutral sterols in patients with colon cancer. Perogambros A, et al. **Oncology** 1982;39(5):274–8
Estimation of nitrogen digestibility in poultry: content and distribution of major urinary nitrogen compounds in excreta. Krogdahl A, et al. **Poult Sci** 1981 Nov; 60(11):2480–5
The effect of different fiber sources on the neutral steroid excretions of hypercholesterolemic casein fed rabbits. Martinez de Prado MT, et al. **Rev Esp Fisiol** 1981 Dec; 37(4):407–12
An investigation of organic compounds in night soil and the treated water by gas chromatography-mass spectrometry. Ishikawa T, et al. **Sci Total Environ** 1981 Oct;20(3):241–53
Rapid analysis of human fecal bile acids. Beher WT, et al. **Steroids** 1981 Sep;38(3):281–95
Enhanced fecal elimination of stored hexachlorobenzene from rats and rhesus monkeys by hexadecane or mineral oil. Rozman K, et al. **Toxicology** 1981;22(1):33–44
Factors influencing faecal nitrogen excretion in the sheep. 3. Protein fermentation in the caecum and large intestine. Mason VC, et al. **Z Tierphysiol Tiernahr Futtermittelkd** 1981;46(3):150–64
The effect of antidiuretic hormone on faecal water excretion in sheep. Nicholson T. **Zentralbl Veterinarmed [A]** 1981; 28(7):547–51
[The Hemocult test for hospitalized patients] Zelenková J, et al. **Cesk Gastroenterol Vyz** 1982 Jan;36(1):26–30 (Eng. Abstr.) **(Cze)**
[The coprologic examination. Its interpretation in cases of chronic diarrhea (author's transl)] Adler M, et al. **Acta Gastroenterol Belg** 1981 Jan-Feb;44(1-2):56–61 (Eng. Abstr.) **(Fre)**
[Normal values of the main stool constituents from age 1 year to puberty (author's transl)] Fraisse F, et al. **Arch Fr Pediatr** 1981 Nov;38(9):667–70 (Eng. Abstr.) **(Fre)**
[Dependence of metabolic fecal amino acids on the amino acid content of the feed. 1. Metabolic fecal amino acids of rats fed with maize] Krawielitzki K, et al. **Arch Tierernahr** 1981 Jul;31(7–8):433–46 (Eng. Abstr.) **(Ger)**
[The bile acid losing syndrome] Kuntz HD. **MMW** 1982 Jun 18;124(24):65–6, 68 **(Ger)**
[Isolation of Clostridium difficile toxin from the feces of a patient with ulcerative colitis (author's transl)] Kojima T, et al. **Nippon Shokakibyo Gakkai Zasshi** 1981 Jun; 78(6):1298–302 **(Jpn)**
[Clinical significance of fecal fat estimation by single stool method (author's transl)] Nunode Y, et al. **Nippon Shokakibyo Gakkai Zasshi** 1981 Aug;78(8):1593–8 (Eng. Abstr.) **(Jpn)**
[Specific activity of fecal IgAs antibodies in infants with primary enteritis or secondary dyspepsia] Voiculescu C, et al. **Rev Ig [Bacteriol]** 1981 Jul-Sep;26(3):183–90 **(Rum)**
[Fecal excretion of neutral and acid sterols in patients with atherosclerosis with a progressive or stable course] Radmoskil VG, et al. **Vopr Med Khim** 1981;27(4):454–8 (Eng. Abstr.) **(Rus)**
[Fecal excretion of bile acids in infantile diarrhea syndrome according to its developmental form] Emilfork Soto M, et al. **Bol Med Hosp Infant Mex** 1982 Mar;39(3):177–80 (Eng. Abstr.) **(Spa)**

CYTOLOGY

Red blood cell survival and faecal clearance in sheep infected with Fasciola gigantica. Ogunrinade AF, et al. **J Comp Pathol** 1981 Jul;91(3):381–5

ENZYMOLOGY

The effect of dietary citrus pectin on the excretion of human fecal neutral and acid steroids and the activity of 7alpha-dehydroxylase and beta-glucuronidase. Ross JK, et al. **Am J Clin Nutr** 1981 Oct;34(10):2068–77
Effects of dietary bran and the colon carcinogen 1,2-dimethylhydrazine on faecal beta-glucuronidase activity in mice. London JF, et al. **Food Cosmet Toxicol** 1981 Dec;19(6):707–11
[A method for chymotrypsin determination in the stool] Rose HJ, et al. **Z Med Lab Diagn** 1981;22(3):119–22 (Eng. Abstr.) **(Ger)**
[Determination of amylase isoenzymes in the feces] Gromashevskaia LL, et al. **Lab Delo** 1981;(10):609–12 (Eng. Abstr.) **(Rus)**

IMMUNOLOGY

Detection of enterotoxigenic Escherichia coli colonization factor antigen I in stool specimens by an enzyme-linked immunosorbent assay. Evans DG, et al. **J Clin Microbiol** 1980 Dec;12(6):738–43
Detection of rotavirus immune complexes: relationship between rotavirus antibodies and rotavirus antigens in faeces. Corthier G. **J Virol Methods** 1981 Dec;3(5):277–82
[Effect of antibacterial therapy on the immunoglobulin content in coprofiltrates of patients with food poisoning] Tumanov FA, et al. **Ter Arkh** 1982;54(2):121–4 (Eng. Abstr.) **(Rus)**

METABOLISM

Effects of diflunisal on platelet function and fecal blood loss. Green D, et al. **Clin Pharmacol Ther** 1981 Sep;30(3):378–84
Congenital chloride diarrhea. Sharda DC, et al. **Indian Pediatr** 1981 Sep;18(9):667–70
Loss of thyroid hormones into feces in children on regular hemodialysis. Waters W. **Nuklearmedizin** 1981 Oct; 20(5):251–3

MICROBIOLOGY

The physiological activity of human faecal flora evaluated by determination of germfree animal characteristics. Bergstrand LO, et al. **Acta Chir Scand** 1981;147(8):703–5
Quantitative aspects of rotavirus excretion in childhood diarrhoea. Vesikari T, et al. **Acta Paediatr Scand** 1981 Sep; 70(5):717–21
Some characteristics of Campylobacter fetus subsp. jejuni isolated from pigs, birds and man. Rosef O, et al. **Acta Vet Scand** 1982;23(1):9–15
Isolation of Campylobacter fetus subsp. jejuni from faeces of Norwegian poultry. Rosef O, et al. **Acta Vet Scand** 1982; 23(1):128–34
Yersinia enterocolitica in Kansas. Attempted recovery from 1,212 patients. Marymont JH Jr, et al. **Am J Clin Pathol** 1982 Jun;77(6):753–4
The relative importance of rotavirus and other pathogens in the etiology of gastroenteritis in Trinidadian children. Hull BP, et al. **Am J Trop Med Hyg** 1982 Jan;31(1):142–8
Contribution of bats to the maintenance of Histoplasma capsulatum in a cave microfocus. McMurray DN, et al. **Am J Trop Med Hyg** 1982 May;31(3 Pt 1):527–31
Use of ducks as a model to study the effect of antibiotics in feed on the fecal shedding of Salmonella. Latour PB, et al. **Am J Vet Res** 1981 Dec;42(12):2105–8
Isolation of an adenovirus antigenically distinct from equine adenovirus type 1 from diarrheic foal feces. Studdert MJ, et al. **Am J Vet Res** 1982 Mar;43(3):543–4
Bacteriologic examination of equine fecal flora as a diagnostic tool for equine intestinal clostridiosis. Wierup M, et al. **Am J Vet Res** 1981 Dec;42(12):2167–9
Rapid diagnosis of campylobacter enteritis. Sazie ES, et al. **Ann Intern Med** 1982 Jan;96(1):62–3
A sequential study of the relationship between faecal Klebsiella aerogenes and the common clinical manifestations of ankylosing spondylitis. Eastmond CJ, et al. **Ann Rheum Dis** 1982 Feb;41(1):15–20
Treatment of uncomplicated urinary tract infections with trimethoprim versus sulfisoxazole, with special reference to antibody-coated bacteria and fecal flora. Iravani A, et al. **Antimicrob Agents Chemother** 1981 May;19(5):842–50
Isolation and characterization of new strains of cholesterol-reducing bacteria from baboons. Brinkley AW, et al. **Appl Environ Microbiol** 1982 Jan;43(1):86–9
Isolation of a bile salt sulfatase-producing Clostridium strain from rat intestinal microflora. Huijghebaert SM, et al. **Appl Environ Microbiol** 1982 Jan;43(1):185–92
Occurrence of Rhodococcus coprophilus and associated actinomycetes in feces, sewage, and freshwater. Mara DD, et al. **Appl Environ Microbiol** 1981 Dec;42(6):1037–42
Isolation of Methanobrevibacter smithii from human feces. Miller TL, et al. **Appl Environ Microbiol** 1982 Jan; 43(1):227–32
Comparison of four membrane filter methods for fecal coliform enumeration. Pagel JE, et al. **Appl Environ Microbiol** 1982 Apr;43(4):787–93
Quantitative procedure for enumeration of bifidobacteria. Resnick IG, et al. **Appl Environ Microbiol** 1981 Sep; 42(3):427–32
Assessment of bifidobacteria as indicators of human fecal pollution. Resnick IG, et al. **Appl Environ Microbiol** 1981 Sep;42(3):433–8
Inactivation by gamma irradiation of animal viruses in simulated laboratory effluent. Thomas FC, et al. **Appl Environ Microbiol** 1982 May;43(5):1051–6
Effect of feeding on infants' faecal flora. Simhon A, et al. **Arch Dis Child** 1982 Jan;57(1):54–8
Enumeration of Methanobrevibacter smithii in human feces. Miller TL, et al. **Arch Microbiol** 1982 Feb;131(1):14–8
Detection of astroviruses in feces of a cat with diarrhea. Brief report. Hoshino Y, et al. **Arch Virol** 1981;70(4):373–6
Isolation and characterization of a canine rotavirus. Hoshino Y, et al. **Arch Virol** 1982;72(1–2):113–25
Human enteric coronaviruses. Brief review. Macnaughton MR, et al. **Arch Virol** 1981;70(4):301–13 (73 ref.)
The effects of relative humidity and temperature on the survival of human rotavirus in faeces. Moe K, et al. **Arch Virol** 1982;72(3):179–86
Coronavirus-like particles in nonhuman primate feces. Smith GC, et al. **Arch Virol** 1982;72(1–2):105–11
Side-chain cleavage of cortisol by fecal flora. Cerone-McLernon AM, et al. **Biochim Biophys Acta** 1981 Dec 23;666(3):341–7
First isolation in Ferrara (Italy) of Yersinia enterocolitica from stools in a case of infantile enteritis [letter] Bucci G, et al. **Boll Ist Sieroter Milan** 1981;60(4):331–2
Amino acid composition and microbial contamination of Spirulina maxima, a blue-green alga, grown on the effluent of different fermented animal wastes. Wu JF, et al. **Bull Environ Contam Toxicol** 1981 Aug;27(2):151–9
Coprostanol and bacterial indicators of faecal pollution in the Scheldt estuary. Yde M, et al. **Bull Environ Contam Toxicol** 1982 Feb;28(2):129–34
Effects of feed withdrawal on the weight, fecal excretion and Salmonella status of market age broiler chickens. Rigby CE, et al. **Can J Comp Med** 1981 Oct;45(4):363–5
Detection of adenoviruses in stools of children with nonbacterial gastroenteritis [letter] Blaskovic PJ, et al. **Can Med Assoc J** 1982 Jul 1;127(1):16
Analysis of the fecal microflora and its enzymatic activity in individuals genetically predisposed to colon cancer. Keathley JD, et al. **Cancer Res** 1982 Oct;42(10):4284–8
Clostridia isolated from feces of rats. Chung KT. **Chung Hua Min Kuo Wei Sheng Wu Chi Mien I Hsueh Tsa Chih** 1981 Dec;14(4):222–6
Isolation of Yersinia enterocolitica from stools of acute gastroenteritis cases in Lagos, Nigeria. Agbonlahor DE, et al. **East Afr Med J** 1981 Jul;58(7):520–4
Clostridium perfringens in faeces of healthy persons and diarrhoeal patients. Arora DR, et al.

Indian J Pathol Microbiol 1981 Oct;24(4):235–8
Acute diarrhea in infants and children: a bacteriological study. Agarwal KC, et al. **Indian Pediatr** 1981 Jun; 18(6):369–72
Antagonisms among isogenic strains of Escherichia coli in the digestive tracts of gnotobiotic mice. Duval-Iflah Y, et al. **Infect Immun** 1981 Dec;34(3):957–69
Antibiotic resistance of faecal coliforms in hospital and city sewage in Galway. Monaghan C, et al. **Ir J Med Sci** 1981 Oct;150(10):304–9
Do antibiotics really prolong salmonella excretion? Nye FJ. **J Antimicrob Chemother** 1981 Mar;7(3):215–6
A selective medium for the enumeration of Streptococcus bovis by membrane filtration. Oragui JI, et al. **J Appl Bacteriol** 1981 Aug;51(1):85–93
Examination of bovine faeces for the isolation and identification of Clostridium species. Princewell TJ, et al. **J Appl Bacteriol** 1982 Feb;52(1):97–102
Differential and selective medium for isolation of Yersinia enterocolitica from stools. Agbonlahor DE, et al. **J Clin Microbiol** 1982 Apr;15(4):599–602
Shedding of rotavirus in feces of sows before and after farrowing. Benfield DA, et al. **J Clin Microbiol** 1982 Jul; 16(1):186–90
Evaluation of three differential media for detection of Enterobacter agglomerans (Erwinia herbicola). Bucher C, et al. **J Clin Microbiol** 1982 Jun;15(6):1164–6
Clostridium difficile and its cytotoxin in feces of patients with antimicrobial agent–associated diarrhea and miscellaneous conditions. George WL, et al. **J Clin Microbiol** 1982 Jun; 15(6):1049–53
Evaluation of media for isolation of Campylobacter fetus subsp. jejuni from fecal specimens. Gilchrist MJ, et al. **J Clin Microbiol** 1981 Oct;14(4):393–5
Frequency of Escherichia coli strains producing heat-labile toxin or heat-stable toxin or both in children with and without diarrhea in São Paulo. Reis MH, et al. **J Clin Microbiol** 1982 Jun;15(6):1062–4
Effects of physiol and chemical factors on the viability of Mycobacterium paratuberculosis. Richards WD. **J Clin Microbiol** 1981 Nov;14(5):587–8
Rapid isolation of Yersinia spp. from feces. Weissfeld AS, et al. **J Clin Microbiol** 1982 Mar;15(3):508–10
Simplified procedure for the routine isolation of Clostridium difficile from faeces. Borriello SP, et al. **J Clin Pathol** 1981 Oct;34(10):1124–7
Group B streptococci--gastrointestinal organisms? Easmon CS, et al. **J Clin Pathol** 1981 Aug;34(8):921–3
Clostridium difficile and cytotoxin in routine faecal specimens. Nash JQ, et al. **J Clin Pathol** 1982 May; 35(5):561–5
Isolation of intestinal spirochaetes from homosexuals. Tompkins DS, et al. **J Clin Pathol** 1981 Dec;34(12):1385–7
Rapid detection of human viruses in faeces by a simple and routine immune electron microscopy technique. Berthiaume L, et al. **J Gen Virol** 1981 Jul;55(Pt 1):223–7
Excretion of attenuated polioviruses in children vaccinated with live oral poliovirus vaccine. Kucharská Z, et al. **J Hyg Epidemiol Microbiol Immunol** 1982;26(1):74–82
The enterotoxigenicity of strains of Escherichia coli isolated from the faeces of healthy people and cattle. Bettelheim KA, et al. **J Hyg (Lond)** 1982 Feb;88(1):121–3
Faecal adenoviruses from Glasgow babies. Studies on culture and identity. Kidd AH, et al. **J Hyg (Lond)** 1982 Jun; 88(3):463–74
Occurrence of viruses in human stools in the Ahaggar (Alberia). Puel JM, et al. **J Hyg (Lond)** 1982 Aug; 89(1):171–4
Bacteroides species in the normal neonatal faecal flora. Rotimi VO, et al. **J Hyg (Lond)** 1981 Oct;87(2):299–304
Escherichia coli resistant to tetracyclines and to other antibiotics in the faeces of U.K. chickens and pigs in 1980. Smith HW, et al. **J Hyg (Lond)** 1981 Dec;87(3):477–83
Virulence of urinary and faecal Escherichia coli in relation to serotype, haemolysis and haemagglutination. van den Bosch JF, et al. **J Hyg (Lond)** 1982 Jun;88(3):567–77
A comparison of the levels of faecal indicator bacteria in water and human faeces in a rural area of a tropical developing country (Sierra Leone). Wright RC. **J Hyg (Lond)** 1982 Aug;89(1):69–78
Detection by immune electron microscopy of the Snow Mountain agent of acute viral gastroenteritis. Dolin R, et al. **J Infect Dis** 1982 Aug;146(2):184–9
Effect of erythromycin on the fecal excretion of Campylobacter fetus subspecies jejuni. Pitkanen T, et al. **J Infect Dis** 1982 Jan;145(1):128
Enzyme immunoassay for the detection of Clostridium difficile antigen. Yolken RH, et al. **J Infect Dis** 1981 Oct; 144(4):378
Evaluation of enzyme immunoassays for the detection of human rotavirus. Yolken RH, et al. **J Infect Dis** 1981 Oct; 144(4):379
Excretion of hepatitis A virus in the stools of hospitalized hepatitis patients. Carl M, et al. **J Med Virol** 1982;9(2):125–9
The electron microscopical and physical characteristics of small round human fecal viruses: an interim scheme for classification. Caul EO, et al. **J Med Virol** 1982;9(4):257–65
Rapid and reliable method for diagnostic electron microscopy of faeces. Gbewonyo AJ. **J Microsc** 1982 May; 126(Pt 2):191–5
Clostridia isolated from the feces of infants during the first year of life. Stark PL, et al. **J Pediatr** 1982 Mar; 100(3):362–5
16 alpha-dehydration of corticoids by bacteria isolated from rat fecal flora. Winter J, et al. **J Steroid Biochem** 1982 Feb; 16(2):231–7
Prophylactic efficacy of cinoxacin in recurrent urinary tract infection: biologic effects on the vaginal and fecal flora. Schaeffer AJ, et al. **J Urol** 1982 Jun;127(6):1128–31
Comparison of solid-phase immune electron microscopy, direct electron microscopy and enzyme-linked immunosorbent assay for detection of rotavirus in faecal samples. Kjeldsberg E, et al. **J Virol Methods** 1982 Feb; 4(1):45–53
Comparison of immunosorbent electron microscopy, enzyme immunoassay and counterimmunoelectrophoresis for detection of human rotavirus in stools. Obert G, et al. **J Virol Methods** 1981 Sep;3(2):99–107
Bacterial flora of ex-germfree mice after oral inoculation of feces from various species of conventional animals. Maejima K, et al. **Jikken Dobutsu** 1981 Apr;30(2):157–60
Fecal excretion of Yersinia enterocolitica in mice and rats inoculated intragastrically. Ueno H, et al. **Jpn J Vet Res** 1981 Oct;29(3–4):67–72
Relation of the serum agglutinin and the fecal excretion of Yersinia enterocolitica 03 in mice. Ueno H, et al. **Jpn J Vet Res** 1981 Oct;29(3–4):73–8
Multiple faecal virus excretion in immunodeficiency [letter] Chrystie IL, et al. **Lancet** 1982 Jan 30;1(8266):282
Occurrence of toxin-producing Clostridium difficile in antibiotic-associated diarrhea in Sweden. Aronsson B, et al. **Med Microbiol Immunol (Berl)** 1981;170(1):27–35
Effect of neomycin on the in vitro transformation of bile acids by mixed microbial flora of human feces. Hirano S, et al. **Microbiol Immunol** 1981;25(11):1191–5
Comparison of three electron microscopy techniques for the detection of human rotaviruses. Trépanier P, et al. **Microbiol Immunol** 1981;25(10):1019–24
A one year study on the viability of Cryptococcus neoformans in nature. Ruiz A, et al. **Mycopathologia** 1982 Feb 19;77(2):117–22
Recovery of virus from feces and tissues of chickens infected with cell-culture-adapted infectious bursal disease virus. Takase K, et al. **Nippon Juigaku Zasshi** 1982 Apr; 44(2):207–11
Clostridium difficile in normal infants and sudden infant death syndrome: an association with infant formula feeding. Cooperstock MS, et al. **Pediatrics** 1982 Jul;70(1):91–5
Trimethoprim and sulfisoxazole in the treatment of urinary tract infections, with special reference to antibody-coated bacteria and fecal flora. Iravani A, et al. **Rev Infect Dis** 1982 Mar-Apr;4(2):388–9
The effect of metronidazole and sulfasalazine on the fecal flora in patients with Crohn's disease. Danielsson D, et al. **Scand J Gastroenterol** 1981;16(2):183–92
Effect of metronidazole and sulfasalazine on the normal human faecal flora. Krook A. **Scand J Gastroenterol** 1981; 16(5):587–92
Isolation of acholeplasmas from horse feces. Heitmann J, et al. **Vet Microbiol** 1982 Jul;7(3):273–6
Isolation of thermophilic campylobacters from two populations of dogs. Simpson JW, et al. **Vet Res Commun** 1981 Sep;5(1):63–6
An outbreak (?) caused by Escherichia coli O126:K71:H5 in premature infants. Goldhar J, et al. **Zentral Bakteriol Mikrobiol Hyg [A]** 1981 Nov; 250(4):470–7
Faecal bacterial flora in patients with colon cancer and control subjects. Legakis NJ, et al. **Zentral Bakteriol Mikrobiol Hyg [A]** 1981 Dec;251(1):54–61
Salmonella isolation with Rappaport's enrichment medium of different compositions. Vassiliadis P, et al. **Zentralbl Bakteriol Mikrobiol Hyg [B]** 1981;173(5):382–9
[The contribution of Campylobacter jejuni as the causative agent of gastroenteritis in the Netherlands] Bänffer JR, et al. **Ned Tijdschr Geneeskd** 1982 May 22;126(21):951–5 (Eng. Abstr.) **(Dut)**
[Sensitivity of Gram-negative aerobic intestinal flora to tetracycline, ampicillin, sulfamethoxazole and gentamicin in a random Netherlands population] Degener JE, et al. **Ned Tijdschr Geneeskd** 1982 Feb 13;126(7):277–80 (Eng. Abstr.) **(Dut)**
[Stool culture. Evaluation of technics of salmonellosis diagnosis] Mered B, et al. **Arch Inst Pasteur Alger** 1978–79; 53:14–35 (Eng. Abstr.) **(Fre)**
[Purification of hepatitis A virus from human feces] Crance JM, et al. **C R Seances Acad Sci [III]** 1981 Dec 7; 293(13):693–6 (Eng. Abstr.) **(Fre)**
[The adsorption capability of beidelltic Montmorillonite] Brisou J. **Med Chir Dig** 1981;10(8):725–8 **(Fre)**
[Evolution of the intestinal flora in patients under preventive treatment with cephalosporins] Lucain C, et al. **Schweiz Med Wochenschr** 1982 Jun 5;112(23):817–23 (Eng. Abstr.) **(Fre)**
[Virological studies of feces and sewage in Berlin] Hermann J, et al. **Off Gesundheitswes** 1981 Jul;43(7):322–5 **(Ger)**
[Comparative studies of buffalo green monkey (BGM) cells and mice for the isolation of Chlamydia psittaci from avian droppings and organ samples] Arens M, et al. **Zentralbl Veterinarmed [B]** 1981;28(4):301–9 (Eng. Abstr.) **(Ger)**
[Detection of Clostridium botulinum and other pathogenic gram-negative bacteria in fecal samples of subjects dying in childhood] Castellani Pastoris M, et al. **Ann Ist Super Sanita** 1981;17(4):831–5 **(Ita)**
[Detection and identification of bacteria of the genus Yersinia] Chiesa C, et al. **Ann Sclavo** 1981 May-Jun; 23(3):301–13 (46 ref.) **(Ita)**
[Demonstration of rotaviruses in feces by means of the complement fixation test] Ferrante P, et al. **Boll Ist Sieroter Milan** 1981 Nov;60(5):375–80 (Eng. Abstr.) **(Ita)**
[The effect of new broad-spectrum cephamycin, cefotetan administered intravenously on human fecal flora (author's transl)] Nakaya R, et al. **Jpn J Antibiot** 1982 Mar; 35(3):856–63 (Eng. Abstr.) **(Jpn)**
[Reconstitution of fecal and pharyngeal flora after total intestinal decontamination (author's transl)] Funada H, et al. **Kansenshogaku Zasshi** 1982 Feb;56(2):141–51 (Eng. Abstr.) **(Jpn)**
[Studies on bacterial flora of the alimentary tract of dogs. III. Fecal flora in clinical and experimental cases of diarrhea (author's transl)] Ishikawa H, et al. **Nippon Juigaku Zasshi** 1982 Apr;44(2):343–7 **(Jpn)**
[Fecal bacteria and short chain fatty acid in ulcerative colitis (author's transl)] Kawamoto M, et al. **Nippon Shokakibyo Gakkai Zasshi** 1982 Feb;79(2):193–8 (Eng. Abstr.) **(Jpn)**
[Drug sensitivity and pyocin typing of Pseudomonas aeruginesa strains from feces of infants with diarrhea] Swiderski M, et al. **Pediatr Pol** 1981 Nov-Dec; 56(11–12):1339–43 (Eng. Abstr.) **(Pol)**
[Intestinal microflora after stomach cancer surgery] Dronova OM, et al. **Lab Delo** 1982;(6):38–41 **(Rus)**
[Use of culture medium P-2 for isolation and quantitative determination of Proteus strain microorganisms in pathological material] Kanareĭkina SK, et al. **Lab Delo** 1981;(8):504–5 (Eng. Abstr.) **(Rus)**
[Viruses in the feces and their significance in the occurrence of diarrhea] Demidova SA, et al. **Sov Med** 1981;(12):59–62 (25 ref.) **(Rus)**
[Culture-enzyme properties, serologic characteristics, enteropathogenicity and enterotoxicity of Escherichia isolated from patients with diarrhea] Kleganov VK. **Zh Mikrobiol Epidemiol Immunobiol** 1981 Oct;(10):30–3 (Eng. Abstr.) **(Rus)**
[Quantitative and species composition of conditionally-pathogenic microorganisms of the families Enterobacteriaceae and Pseudomonadaceae in healthy subjects and intestinal dysbacteriosis] Polikarpov NA, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1981 Jul;(7):39–42 (Eng. Abstr.) **(Rus)**
[Detection of enterotoxigenic Escherichia in patients with diarrhea of undetermined etiology using experimental models] Romanenkova NI, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1981 Jul;(7):99–103 (Eng. Abstr.) **(Rus)**
[Yersinia enterocolitica isolated on the territory of Zagreb (author's transl)] Kalenić S, et al. **Lijec Vjesn** 1981 Aug; 103(8):337–9 (Eng. Abstr.) **(Scr)**
[Contribution to the study of yersiniosis in navarre] Dorronsoro I, et al. **Rev Clin Esp** 1981 Jul 15–31; 162(1–2):39–42 (Eng. Abstr.) **(Spa)**

PARASITOLOGY

The trichrome-stained smear as a screening method for intestinal parasites: evaluation in a San Francisco Bay Area population. Takahashi H. **Am J Med Technol** 1982 Jun; 48(6):531–3
A study of intestinal protozoa including non-pathogenic Entamoeba histolytica from patients in a group of mental hospitals. Sargeaunt PG, et al. **Am J Public Health** 1982 Feb;72(2):178–80
Direct dollar costs and savings of screening stool examinations for eggs and parasites in adult Southeast Asian refugees. Barrett-Connor E. **Am J Trop Med Hyg** 1982 May;31(3 Pt 1):466–8
Efficiency and sensitivity of techniques for recovering nematode eggs from bovine feces. Egwang TG, et al. **Can J Comp Med** 1981 Jul;45(3):243–8
Evaluation of the Cornell-Wisconsin centrifugal flotation technique for recovering trichostrongylid eggs from bovine feces. Egwang TG, et al. **Can J Comp Med** 1982 Apr; 46(2):133–7
First detection of Cryptosporidium sp. oocysts in calf faeces by floatation method. Pavlásek I. **Folia Parasitol (Praha)** 1982;29(2):115–8
Parasitological investigation of children's sandboxes and dog faeces from public areas of housing development in Prague. Valkounová J. **Folia Parasitol (Praha)** 1982;29(2):133–8
Parasitological investigation of children's sand boxes and dog faeces from public areas in old housing districts of Prague. Valkounová J. **Folia Parasitol (Praha)** 1982;29(1):25–32
Clinical comparison of ethyl acetate and diethyl ether in the formalin-ether sedimentation technique. Erdman DD. **J Clin Microbiol** 1981 Nov;14(5):483–5
Comparison of direct wet mount and trichrome staining techniques for detecting Entamoeba species trophozoites in stools. Gardner BB, et al. **J Clin Microbiol** 1980 Nov; 12(5):656–8
Comparison of three collection-preservation methods for detection of intestinal parasites. Price DL. **J Clin Microbiol** 1981 Dec;14(6):656–60
A new concept of the free living cycle of Strongyloides stercoralis. Attia MM, et al. **J Egypt Soc Parasitol** 1981 Dec;11(2):455–7

Application of a 'standardized factor' to egg counting techniques for better prediction of worm burdens. Sinniah B, et al. **J Helminthol** 1981 Dec;55(4):279–85
Diagnosis of giardiasis by counterimmunoelectrophoresis of feces. Craft JC, et al. **J Infect Dis** 1982 Apr;145(4):499–504
The presence of Schistosoma mansoni in Montserrat Leeward Islands. Tikasingh ES, et al. **J Trop Med Hyg** 1982 Feb; 85(1):41–3
Daily egg production of Ascaris lumbricoides: the distribution of eggs in the faeces and the variability of egg counts. Sinniah B. **Parasitology** 1982 Feb;84(1):167–75
Specific identification of strongyle eggs in small samples of sheep faeces. Christie M, et al. **Res Vet Sci** 1982 Jan; 32(1):113–7
Preliminary observations using a multi-layer ELISA method for the detection of Entamoeba histolytica trophozoite antigens in stool samples. Grundy MS.
Trans R Soc Trop Med Hyg 1982;76(3):396–400
Quantitative variability of nematode egg counts in faeces: a study among rural Kenyans. Hall A.
Trans R Soc Trop Med Hyg 1981;75(5):682–7
Comparison of filtration staining (Bell) and thick smear (Kato) for the detection of quantitation of Schistosoma mansoni eggs in faeces. Sleigh A, et al.
Trans R Soc Trop Med Hyg 1982;76(3):403–6
Worm burdens in cows: the effect of anthelmintic treatment on the parasite egg output. Borgsteede FH.
Vet Parasitol 1982 Feb;9(3–4):223–31
Quantitative studies of ovine haemonchosis. 3. The interpretation and diagnostic significance of the changes in serial egg counts of Haemonchus contortus in a sheep flock. Roberts JL, et al. **Vet Parasitol** 1982 Feb; 9(3–4):211–6
A modified procedure for the extraction of infective nematode larvae from bovine faeces. Pullan NB, et al.
Vet Res Commun 1981 Apr;4(4):307–10
[Coprological investigation into a group of 268 South East Asia refugees (author's transl)] Kien T, et al.
Med Trop (Mars) 1981 Nov–Dec;41(6):645–51 (Eng. Abstr.) **(Fre)**
[Coproscopic detection of human parasites] Mazur T.
Wiad Parazytol 1980;26(4–5):385–8 **(Pol)**
[How should correct, coproscopic (larvoscopic) diagnosis of strongyloidiasis be conducted?] Soroczan W.
Wiad Parazytol 1980;26(4–5):393–7 **(Pol)**
[Comparative study of 2 technics for obtaining miracidia of Schistosoma mansoni from human feces] de Souza CP, et al. **Rev Inst Med Trop Sao Paulo** 1981 Nov–Dec; 23(6):251–5 (Eng. Abstr.) **(Por)**
[Our experience of diagnosing giardiasis with the techniques of coprology and duodenal juice tests (author's transl)] Skračiková J, et al. **Cas Lek Cesk** 1982 Apr 16; 121(15):467–9 (Eng. Abstr.) **(Slo)**

FECES, IMPACTED

COMPLICATIONS

Giant fecaloma with dolichomegasigma. Engelberg M, et al. **Am J Proctol Gastroenterol Colon Rectal Surg** 1982 Feb; 33(2):9–12, 28
Stercoral ulceration. Maull KI, et al. **Am Surg** 1982 Jan; 48(1):20–4
Stercoral perforation in a patient with adult Hirschsprung's disease. Munnings DB, et al. **Dis Colon Rectum** 1981 Oct; 24(7):526–8

DIAGNOSIS

Cecal fecaloma mimicking colonic neoplasm. Cid AA, et al. **Dig Dis Sci** 1981 Dec;26(12):1134–7
Cecal fecalith mimicking intussusception. Gohary A, et al. **Z Kinderchir** 1981 Aug;33(4):363–6
[Coprolith simulating abdominal tumor] Zolin VP.
Vestn Khir 1981 Sep;127(9):74 **(Rus)**

ETIOLOGY

Stercoral ulceration and perforation of colon secondary to narcotics abuse. Gingold BS.
Am J Proctol Gastroenterol Colon Rectal Surg 1981 Dec; 32(12):5–6, 24
Fecal impaction due to bubble gum bezoar [letter] Cotner M. **South Med J** 1982 Jun;75(6):775
[Rare complication of appendectomy] Kozlenko VA.
Khirurgiia (Mosk) 1981 Aug;(8):81 **(Rus)**

RADIOGRAPHY

[Case of a large fecalith in the sigmoid] Ostapenko TA.
Vestn Rentgenol Radiol 1982;(2):83–4 **(Rus)**

VETERINARY

A method of electro-acupuncture treatment for equine intestinal impaction. Feng KR. **Am J Chin Med** 1981 Summer;9(2):174–80

FECUNDITY see **FERTILITY**

FEDERAL HEALTH INSURANCE PLANS, UNITED STATES see **NATIONAL HEALTH INSURANCE, UNITED STATES**

FEE FOR SERVICE, MEDICAL see **FEES, MEDICAL**

FEE SCHEDULES

see related
FEES AND CHARGES

Experiments in a community mental health center: increasing client payments for outpatient services. Hannah GT, et al. **J Appl Behav Anal** 1981 Summer;14(2):141–57
Do fees help heal? Wood WD. **J Clin Psychol** 1982 Jul; 38(3):669–73
Medicare assignment rates and carrier practices: a national study. Otelsberg J, et al. **Soc Sci Med [C]** 1981 Sep; 15C(3):153–9

STANDARDS

The design of a rational contact lens fee structure. Farkas P, et al. **J Am Optom Assoc** 1982 Jan;53(1):57–9

FEEDBACK

Feedback versus information concerning carbon monoxide as an early intervention strategy in adolescent smoking. Hansen WB, et al. **Adolescence** 1982 Spring;17(65):89–98
Feedback effects of mammary gland tumors on the host pituitary prolactin cell. Hymer WC, et al.
Adv Exp Med Biol 1981;138:251–86
Feedback effects on target search and velocity extrapolation by mentally retarded and nonretarded adolescents. Holden EA Jr, et al. **Am J Ment Defic** 1982 Jan;86(4):414–20
Limb load monitor: evaluation of a sensory feedback device for controlled weight bearing. Gapsis JJ, et al.
Arch Phys Med Rehabil 1982 Jan;63(1):38–41
Effects of student clinician feedback on the supervisory conference. Cimorell-Strong JM, et al. **ASHA** 1982 Jan; 24(1):23–9
Onset of a feedback inhibition by testosterone in male rat fetuses. Naessany S, et al. **Biol Neonate** 1982;41(5–6):234–9
Peripheral feedback mechanisms acting on the central pattern generators for locomotion in fish and cat. Andersson O, et al. **Can J Physiol Pharmacol** 1981 Jul;59(7):713–26
Age effects in problem solving in relation to irrelevant information, dimensional preference, and feedback. Rebok GW. **Exp Aging Res** 1981 Winter;7(4):393–403
Augmented feedback in adaptive motor skill training. Cote DO, et al. **Hum Factors** 1981 Aug;23(4):505–8
Feedback and the visual process. Forrest EB.
J Am Optom Assoc 1981 Sep;52(9):717–24
On the signal for activation of tubuloglomerular feedback. Francisco LL, et al. **J Lab Clin Med** 1982 May;99(5):722–30
Improving hypertension control: impact of computer feedback and physician education. Dickinson JC, et al.
Med Care 1981 Aug;19(8):843–54
Feedback regulation of thyrotropin secretion by thyroid hormones [letter] **N Engl J Med** 1982 May 20; 306(20):1236–7
Feedback inhibition of insulin secretion by insulin: relation to the hyperinsulinemia of obesity. Elahi D, et al.
N Engl J Med 1982 May 20;306(20):1196–202
Self-excitation of olfactory bulb neurones. Nicoll RA, et al. **Nature** 1982 Apr 1;296(5856):441–4
Effects of alpha- and beta-hCG subunits on the shortloop feedback control of gonadotropins. Patritti Laborde N, et al. **Neuroendocrinology** 1981 Nov;33(5):257–60
Point: 'bring those 'outside' observers in'. LaSor B, et al. **Perspect Psychiatr Care** 1982 Jan–Mar;20(1):13, 45–6
Counterpoint: 'don't bring those 'outside' observers in'. Webster MS. **Perspect Psychiatr Care** 1982 Jan–Mar; 20(1):14–6
Technical note--auditory feedback of knee angle for amputees. Gilbert JA, et al. **Prosthet Orthot Int** 1982 Aug; 6(2):103–4
Anxiety response to psychological feedback among psychiatric inpatients. Archer RP, et al. **Psychol Rep** 1982 Apr;50(2):547–51
[The biological role of positive and negative feedback loops] Thomas R. **Bull Mem Acad R Med Belg** 1980; 135(10):664–73 (Eng. Abstr.) **(Fre)**
[The cybernetic circuit of the regulation of antibody formation] Firrao S. **Boll Ist Sieroter Milan** 1981 Jul 31; 60(3):171–5 (29 ref.) (Eng. Abstr.) **(Ita)**

FEEDBACK, PSYCHOPHYSIOLOGIC see **BIOFEEDBACK (PSYCHOLOGY)**

FEEDING BEHAVIOR

The assessment of binge eating severity among obese persons. Gormally J, et al. **Addict Behav** 1982;7(1):47–55
The role of anticipated deprivation in overeating. Lowe MG. **Addict Behav** 1982;7(2):103–12
Eating patterns [letter] Schardt DG, et al.
Am J Clin Nutr 1982 Jun;35(6):1497–1500
An assessment of the feeding behaviors of the institutionalized elderly. Rogers JC, et al. **Am J Occup Ther** 1982 Jun; 36(6):375–80
A two-handle spoon: an aid for independent eating. Shaw G, et al. **Am J Occup Ther** 1982 Jan;36(1):45–6
Rats with lateral hypothalamic lesions do eat following acute cellular glucoprivation. Kanarek RB, et al.
Am J Physiol 1981 Nov;241(5):R362–9
Peptidergic regulation of stress-induced eating. Morley JE, et al. **Am J Physiol** 1982 Jul;243(1):R159–63
Induced bad habits: adjunctive ingestion and grooming in human subjects. Cantor MB, et al. **Appetite** 1982 Mar; 3(1):1–12
Improving needed food intake of profoundly handicapped children through effective supervision of institutional staff. Korabek CA, et al. **Appl Res Ment Retard** 1981;2(1):69–88
Behavioral treatment of food refusal and selectivity in developmentally disabled children. Riordan MM, et al.
Appl Res Ment Retard 1980;1(1–2):95–112
The neophobia-optimality explanation of contrafreeloading rats: a reassessment. Mitchell D, et al.
Behav Neural Biol 1981 Aug;32(4):454–62
Management of severe feeding dysfunction in children with fetal alcohol syndrome. Van Dyke DC, et al.
Clin Pediatr (Phila) 1982 Jun;21(6):336–9
Ontogeny of hoarding in the golden hamster: the development of motor patterns and their sequential coordination. Etienne AS, et al. **Dev Psychobiol** 1982 Jan; 15(1):33–45
Returning to the suckled breast: a further test of Hall's hypothesis. Drewett RF. **Early Hum Dev** 1982 Apr; 6(2):161–3
Feeding patterns of endurance athletes. Kirsch KA, et al. **Eur J Applied Physiol** 1981;47(2):197–208
Integrating ethnographic research with nutrition studies. Jerome NW, et al. **Fed Proc** 1981 Sep;40(11):2601–5
A comparative study of culturally transmitted patterns of feeding habits in the chacma baboon Papio ursinus and the vervet monkey Cercopithecus aethiops. Cambefort JP.
Folia Primatol (Basel) 1981;36(3–4):243–63
Feeding and ranging in the agile gibbon. Gittins SP.
Folia Primatol (Basel) 1982;38(1–2):39–71
Notes on the size and composition of groups of proboscis monkey, Nasalis larvatus. Macdonald DW.
Folia Primatol (Basel) 1982;37(1–2):95–8
Seasonal changes in the techniques employed by wild chimpanzees in the Mahale Mountains, Tanzania, to feed on termites (Pseudacanthotermes spiniger). Uehara S.
Folia Primatol (Basel) 1982;37(1–2):44–76
Diet and feeding behaviour of kloss gibbons on Siberut Island, Indonesia. Whitten AJ. **Folia Primatol (Basel)** 1982; 37(3–4):177–208
Alterations in feeding patterns and rates of weight gain in South Yorkshire infants, 1971–1977. Taitz LS, et al.
Hum Biol 1981 Sep;53(3):313–20
Hunger versus hoarding and body weight in rats. Borker AS, et al. **Indian J Physiol Pharmacol** 1981 Oct–Dec; 25(4):365–8
Feeding behaviors, food attitudes, and body fatness in infants. Morris SS, et al. **J Am Diet Assoc** 1982 Apr;80(4):330–4
Plasma glucose and insulin concentrations and feeding behavior in ponies. Ralston SL, et al. **J Anim Sci** 1982 Jun;54(6):1132–7
The relation of food quantity to rumination behavior. Rast J, et al. **J Appl Behav Anal** 1981 Summer;14(2):121–30
Modifying food spillage behavior in an institutionalized retarded client. Cipani E. **J Behav Ther Exp Psychiatry** 1981 Sep;12(3):261–5
Obesity, socioeconomic variables and eating habits in New Zealand. Birkbeck JA. **J Biosoc Sci** 1981 Jul;13(3):299–307
Development of olfactory control of feeding-site selection in rat pups. Galef BG Jr. **J Comp Physiol Psychol** 1981 Aug;95(4):615–22
The ontogeny of feeding in rats: V. Influence of texture, home odor, and sibling presence on ingestive behavior. Johanson IB, et al. **J Comp Physiol Psychol** 1981 Dec; 95(6):837–47
Soil ingestion by dairy cattle. Fries GF, et al.
J Dairy Sci 1982 Apr;65(4):611–8
Change of digastric muscle length in feeding rabbits. Muhl ZF, et al. **J Morphol** 1982 Feb;171(2):151–7
Physiological basis of feeding behavior in Tritonia diomedea. III. Role of depolarizing afterpotentials. Bulloch AG, et al. **J Neurobiol** 1981 Sep;12(5):515–32
Control of feeding motor output by paracerebral neurons in brain of Pleurobranchaea californica. Gillette R, et al. **J Neurophysiol** 1982 May;47(5):885–908
Feeding responses of riboflavin-deficient rats to energy dilution, cold exposure and glucoprivation. Matsuo T, et al. **J Nutr** 1982 Jun;112(6):1052–6
Three-step food chains in Gompertz and Lotka-Volterra models. Bhat N, et al. **J Theor Biol** 1981 Aug 7;91(3):429–35
Feeding pattern and gastrointestinal transit rate of rats under different room lighting schedules. Wong MA, et al.
Lab Anim Sci 1981 Aug;31(4):362–5
The elimination of chronic rumination through a combination of procedures. Borreson PM, et al. **Ment Retard** 1982 Feb; 20(1):34–8
Determinants of choice. Collier GH. **Nebr Symp Motiv** 1982; 29:69–127 (95 ref.)
Absolute and relative consumption space. Rachlin H.
Nebr Symp Motiv 1982;29:129–67 (34 ref.)
Epilepsy evoked by eating: the role of peripheral input. Reder AT, et al. **Neurology (NY)** 1982 Sep;32(9):1065–9
Effect of feeding on diurnal variation in urinary phosphorus excretion in goats and sheep. Sato H.
Nippon Juigaku Zasshi 1981 Dec;43(6):915–7
Focus on health. Part 1. Holistic weight control. Popkess-Vawter SA. **Nurse Pract** 1982 Mar;7(3):45–50
Ethanol-Metrecal diets: I. effects of different levels of ethanol-derived kilocalories on consumption of diet, body weight and grams of ethanol ingested. Tombaugh TN, et al. **Pharmacol Biochem Behav** 1981 Sep;15(3):455–62

Meal patterns in the genetically obese Zucker rat: a reexamination. Castonguay TW, et al. **Physiol Behav** 1982 May;28(5):911–6

Control of food intake and meal patterns in monkeys. Hansen BC, et al. **Physiol Behav** 1981 Nov;27(5):803–10

Feeding pattern in Peromyscus maniculatus: the response to periodic food deprivation. Jaeger MM. **Physiol Behav** 1982 Jan;28(1):83–8

Tail pinch–induced eating: is it the tail or the pinch? Levine AS, et al. **Physiol Behav** 1982 Mar;28(3):565–7

Availability of a food hoard facilitates maternal behaviour in virgin female hamsters. Miceli MO, et al. **Physiol Behav** 1982 May;28(5):855–6

Circadian patterning of feeding, drinking and activity during diurnal food access in rats. Spiteri NJ. **Physiol Behav** 1982 Jan;28(1):139–47

Feeding the Vietnamese in the UK and the rationale behind their food habits. Carlson E, et al. **Proc Nutr Soc** 1982 Jun;41(2):229–37

The cultural significance of food and eating. Murcott A. **Proc Nutr Soc** 1982 Jun;41(2):203–10

Food habits of the majority: evolution of the current UK pattern. Thomas JE. **Proc Nutr Soc** 1982 Jun;41(2):211–28 (19 ref.)

Nutrition education and changing behavior. Kolasa KM. **Prog Clin Biol Res** 1981;67:415–22

Eating behavior, emotions, and overweight. Hudson A, et al. **Psychol Rep** 1981 Apr;48(2):669–70

Observations on the food habits of some African rodents. Iwuala MO, et al. **Rev Biol Trop** 1980 Dec;28(2):227–36

Child–feeding habits in a situation of social change: the case of Maiduguri, Nigeria. Igun UA. **Soc Sci Med** 1982; 16(7):769–81

[Eating habits and psychic dynamics of obese adolescents (author's transl)] Gonthier G. **Neuropsychiatr Enfance Adolesc** 1981 Oct;29(10):519–26 (Eng. Abstr.) **(Fre)**

[Sleep onset in infants under continuous feeding from birth: 24 hour recordings (author's transl)] Fagioli I, et al. **Rev Electroencephalogr Neurophysiol Clin** 1981 Sep; 11(1):37–44 (Eng. Abstr.) **(Fre)**

[Activity rhythm of piglets and its modification by light and feeding. 2. Experimental studies of the effect of light and feeding] Schrenk HJ, et al. **Berl Munch Tierarztl Wochenschr** 1982 Feb 15;95(4):61–5 (Eng. Abstr.) **(Ger)**

[Respiratory metabolism of domestic and wild pigs. Influences of feed intake, motor activity and time of day (author's transl)] Hörnicke H. **DTW** 1981 Oct 5; 88(10):411–5 (Eng. Abstr.) **(Ger)**

[Importance of fodder and feeding technic in colic of the horse] Meyer H. **Tierarztl Prax** 1979;7(2):221–7 **(Ger)**

[Errors and prejudices in alimentary behavior of Italians] Cairella M, et al. **Nuovi Ann Ig Microbiol** 1981 Jan–Apr; 32(1–2):73–81 **(Ita)**

[Asymmetry of the direction of Wistar and Krushinskii–Molodkina rat movement in a radial labyrinth] Riabinskaia EA. **Zh Vyssh Nerv Deiat** 1982 May–Jun; 32(3):566–8 **(Rus)**

DRUG EFFECTS

Effects of intraventricular administration of cholecystokinin octapeptide sulfate ester and unsulfated cholecystokinin octapeptide on active avoidance and conditioned feeding behaviour of rats. Fekete M, et al. **Acta Physiol Acad Sci Hung** 1981;58(1):39–45

The effects of high dietary zinc on food intake in the domestic fowl. Gentle MJ, et al. **Appetite** 1982 Mar;3(1):53–60

An inability of gamma–acetylenic GABA to block eating evoked by hypothalamic stimulation. Valenstein ES, et al. **Behav Brain Res** 1980 Aug;1(4):343–9

Nature of the toxicity of cyclosporin A in the rat. Farthing MJ, et al. **Biochem Pharmacol** 1981 Dec 15;30(24):3311–6

The C–terminal tetrapeptide of cholecystokinin decreases hunger in rats. Halmy L, et al. **Experientia** 1982 Jul 15; 38(7):873–4

The effects of stereoisomers of 2– and 9–aminobenzonorbornenes on food intake, brain serotonin concentration and monoamine oxidase activity in the rat. Gray NM, et al. **J Pharmacol Exp Ther** 1982 Apr; 221(1):58–62

Naloxone antagonism of diazepam–induced feeding in the Syrian hamster. Birk J, et al. **Life Sci** 1981 Sep 14; 29(11):1125–31

Bicuculline blocks diazepam–induced feeding in Syrian hamsters. Birk J, et al. **Life Sci** 1982 Jan 25;30(4):321–5

Effects of naloxone on anti–conflict and hyperphagic actions of diazepam. Britton DR, et al. **Life Sci** 1981 Sep 28; 29(13):1297–302

Intracerebroventricular beta–endorphin increases food intake of rats. McKay LD, et al. **Life Sci** 1981 Oct 5; 29(14):1429–34

Dynorphin–(1–13) induces spontaneous feeding in rats. Morley JE, et al. **Life Sci** 1981 Nov 2;29(18):1901–3

A peripheral locus for amphetamine anorexia. Tordoff MG, et al. **Nature** 1982 May 13;297(5862):148–50

Food and water intake in the non–deprived pigeon after morphine or naloxone administration. Cooper SJ, et al. **Neuropharmacology** 1981 Nov;20(11):1053–8

Dopaminergic agonistic and antagonistic drugs in the ventral tegmentum of rats inhibit and facilitate changes of food–search behaviour. Oades RD. **Neurosci Lett** 1981 Nov 18;27(1):75–80

Influence of sulfated and unsulfated cholecystokinin octapeptide on conditioned feeding behaviour in rats. Fekete M, et al. **Peptides (Fayetteville)** 1981 Winter; 2(4):385–8

Effects of peripheral and central bombesin on feeding behavior of rats. Gibbs J, et al. **Peptides (Fayetteville)** 1981; 2 Suppl 2:179–83

Naltrexone suppresses hyperphagia induced in the rat by a highly palatable diet. Apfelbaum M, et al. **Pharmacol Biochem Behav** 1981 Jul;15(1):89–91

Effects of hypothalamic knife cuts on feeding induced by paraventricular norepinephrine injections. Aravich PF, et al. **Pharmacol Biochem Behav** 1982 Jan;16(1):101–11

A sensitive open field measure of anxiolytic drug activity. Britton DR, et al. **Pharmacol Biochem Behav** 1981 Oct; 15(4):577–82

Modulation of food intake by hypothalamic implants of estradiol benzoate, estrone, estriol and CI–628 in female rats. Donohoe TP, et al. **Pharmacol Biochem Behav** 1982 Jan;16(1):93–9

Opioid modulation of ingestive behavior. Jalowiec JE, et al. **Pharmacol Biochem Behav** 1981 Sep;15(3):477–84

The effect of prostaglandins (PGE2 and PGF2 alpha) on food intake in rats. Levine AS, et al. **Pharmacol Biochem Behav** 1981 Nov;15(5):735–8

Stereoselective effects of opiate agonists and antagonists on ingestive behavior in rats. Lowy MT, et al. **Pharmacol Biochem Behav** 1981 Oct;15(4):591–6

Increased fat consumption induced by morphine administration in rats. Marks–Kaufman R. **Pharmacol Biochem Behav** 1982 Jun;16(6):949–55

Peripherally administered serotonin decreases food intake in rats. Pollock JD, et al. **Pharmacol Biochem Behav** 1981 Aug;15(2):179–83

Influence of diet palatability on noradrenergic feeding response in the rat. Sclafani A, et al. **Pharmacol Biochem Behav** 1981 Jul;15(1):15–9

A probable role for norepinephrine in feeding after hypothalamic injection of morphine. Tepperman FS, et al. **Pharmacol Biochem Behav** 1981 Oct;15(4):555–8

Opiate antagonists and agonists and feeding in sheep. Baile CA, et al. **Physiol Behav** 1981 Jun;26(6):1019–23

Effects of portal volatile fatty acid infusions on meal patterns and blood composition in goats. de Jong A, et al. **Physiol Behav** 1981 Oct;27(4):683–9

Behavioral effects of bombesin administration in rats. Kulkosky PJ, et al. **Physiol Behav** 1982 Mar;28(3):505–12

Feeding and hyperglycemia induced by 1,5–anhydroglucitol in the rat. Sakata T, et al. **Physiol Behav** 1981 Sep; 27(3):401–5

Decreased reproductive potential and reduced feed consumption in mature white leghorn males fed aflatoxin. Sharlin JS, et al. **Poult Sci** 1981 Dec;60(12):2701–8

Inhibition of sham feeding–induced gastric secretion and serum hormonal responses by analogs of (pyro)Glu–His–Gly–OH. Schally AV, et al. **Proc Soc Exp Biol Med** 1982 Jul;170(3):264–72

The effects of acute and chronic administration of beta–phenylethylamine on food intake and body weight in rats. Dourish CT, et al. **Prog Neuropsychopharmacol** 1981;5(4):411–4

Alteration of the disruptive effect of fenfluramine on food consumption in the rat by repeated post–session administration of d–amphetamine. Hunsinger RN, et al. **Psychopharmacology (Berlin)** 1981;75(4):358–62

Increased food intake following the manipulation of intracerebral dopamine levels with gamma–hydroxybutyrate. Redgrave P, et al. **Psychopharmacology (Berlin)** 1982;76(3):273–7

[Influence of the GABAergic system on eating behavior induced by the tail pinching technic in rats] Bereksi B, et al. **C R Soc Biol (Paris)** 1981;175(3):323–9 (Eng. Abstr.) **(Fre)**

[Effects of pentobarbital on feed intake, daily growth and blood concentrations of insulin, thyroxine, glucose and cholesterol in young calves (author's transl)] Kleczkowski M, et al. **DTW** 1981 Oct 5;88(10):422–4 (Eng. Abstr.) **(Ger)**

[Chronotherapy of obesity. II. Variations in eating behavior in the obese after fenfluramine treatment in relation to time of administration] Di Vincenzo M, et al. **Boll Soc Ital Biol Sper** 1982 Jun 30;58(12):740–4 (Eng. Abstr.) **(Ita)**

[Beta–lipotropin as a factor in food motivation] Tolpygo SM, et al. **Biull Eksp Biol Med** 1981 Dec;92(12):643–5 (Eng. Abstr.) **(Rus)**

[Role of peptides and metabolic factors in motivational feeding behavior] Osipovskiĭ SA, et al. **Zh Vyssh Nerv Deiat** 1982 Mar–Apr;32(2):337–9 **(Rus)**

PHYSIOLOGY

The effect of the menstrual cycle on patterns of food intake. Dalvit SP. **Am J Clin Nutr** 1981 Sep;34(9):1811–5

Behavioral assessment scale of oral functions in feeding. Stratton M. **Am J Occup Ther** 1981 Nov;35(11):719–21

Water regulation in weanling hypodipsic dorsomedial hypothalamic–lesioned rats. Bellinger LL, et al. **Am J Physiol** 1982 Mar;242(3):R285–95

Prostaglandin synthesis inhibition and postprandial intestinal hyperemia. Gallavan RH Jr, et al. **Am J Physiol** 1982 Feb; 242(2):G140–6

Influence of nutritional state on periodicity in plasma insulin levels in monkeys. Hansen BC, et al. **Am J Physiol** 1982 Mar;242(3):R255–60

Lateral hypothalamic damage and body weight regulation: role of gender, diet, and lesion placement. Van den Pol AN. **Am J Physiol** 1982 Mar;242(3):R265–74

Energy regulation in hummingbirds. Hainsworth FR. **Am Sci** 1981 Jul–Aug;69(4):420–9

Circadian feeding pattern in pregnant rats fed three levels of protein. Hitier Y, et al. **Ann Nutr Metab** 1982; 26(2):129–37

Commentary on 'The current status of the hepatostatic theory of food intake control. Bellinger LL. **Appetite** 1981 Jun; 2(2):144–5

Dorsomedial hypothalamic hypophagia: self–selection of diets and macronutrients, efficiency of food utilization, 'stress eating', response to high–protein diet and circulating substrate concentrations. Bernardis LL, et al. **Appetite** 1981 Jun;2(2):103–13

Effect of diet hydration on food and water intake, efficiency of food utilization and response to fast and realimentation in rats with dorsomedial hypothalamic hypophagia and growth retardation. Bernardis LL, et al. **Appetite** 1982 Mar; 3(1):35–52

A comment on the 'Current status of the hepatostatic theory of food intake control'. Friedman MI. **Appetite** 1981 Jun; 2(2):149–50

Dietary self–selection in cycling and neonatally ovariectomized rats. Geiselman PJ, et al. **Appetite** 1981 Jun; 2(2):87–101

Hepatic glucoreceptors do exist but do not control food intake. Louis–Sylvestre J. **Appetite** 1981 Jun;2(2):146–8

Release of feeding by the sweet taste in rats: the influence of body weight. Mook DG, et al. **Appetite** 1981 Mar; 2(1):15–34

Neurophysiological evidence for hepatic glucose–sensitive afferents. Commentary on 'The current status of hepatic theory of food intake control'. Niijima A. **Appetite** 1981 Jun;2(2):151–2

Reply to commentary on 'Current status of the hepatostatic theory of food intake control'. Russek M. **Appetite** 1981 Jun;2(2):157–63

Current status of the hepatostatic theory of food intake control. Russek M. **Appetite** 1981 Jun;2(2):137–43 (54 ref.)

Endorphinergic mechanisms in the control of food and water intake. Sanger DJ. **Appetite** 1981 Sep;2(3):193–208 (103 ref.)

The effects of life stress and weight on mood and eating. Slochower J, et al. **Appetite** 1981 Jun;2(2):115–25

A psychophysical analysis of perceived satiety: its relation to consumatory behavior and degree of overweight. Teghtsoonian M, et al. **Appetite** 1981 Sep;2(3):217–29

The control of ingestive behaviour by internal and external stimuli—a theoretical review. Toates FM. **Appetite** 1981 Mar;2(1):35–50 (63 ref.)

On hepatic involvement in the short–term regulation of food ingestion. Vanderweele DA, et al. **Appetite** 1981 Jun; 2(2):153–6

Feeding schedules and the circadian organization of behavior in the rat. Boulos Z, et al. **Behav Brain Res** 1980 Feb; 1(1):39–65

Post–ingestion interference with brain function prevents attenuation of neophobia in rats. Burešová O, et al. **Behav Brain Res** 1980 Aug;1(4):299–312

Food patterns in modern society and their consequences on nutrition. Brubacher G, et al. **Bibl Nutr Dieta** 1981; (30):90–9

Differences in body compositions, growth and food intakes between mice which have been selected for a small and large body size. Rucklidge GJ. **Br J Nutr** 1981 Nov; 46(3):441–50

Central nervous mechanisms related to feeding and appetite. Rolls ET. **Br Med Bull** 1981 May;37(2):131–4 (61 ref.)

Extratelencephalic pathways and feeding behavior in the pigeon (Columba livia). Levine RR, et al. **Brain Behav Evol** 1981;19(1–2):56–92

Breakfast and performance. Dickie NH, et al. **Hum Nutr Appl Nutr** 1982 Feb;36(1):46–56 (39 ref.)

Electrophysiological correlates of diurnal feeding rhythm disruption in rats. Rao BS, et al. **Indian J Physiol Pharmacol** 1981 Oct–Dec;25(4):308–18

Appetitive behavior after gastric bypass for obesity. Halmi KA, et al. **Int J Obes** 1981;5(5):457–64

Towards new animal models in obesity research. Mrosovsky N, et al. **Int J Obes** 1982;6(1):121–6

Appetitive behavior after jejunoileal bypass. Sclafani A. **Int J Obes** 1981;5(5):449–55 (27 ref.)

Abomasal protein infusions for growing steers fed corn grain rations. Johnson AB, et al. **J Anim Sci** 1982 Jan; 54(1):189–95

Changes in liver lobule glycogen zonation during prolonged fasting of rats previously fed a 30% casein diet and adapted to a controlled feeding schedule. Richards WL. **J Nutr** 1982 May;112(5):934–40

Circadian meal timing in relation to lighting schedule optimizes catfish body weight gain. Sundararaj BI, et al. **J Nutr** 1982 Jun;112(6):1085–97

Gastric emptying of glucose and nutrient energy in meal–fed rats. Trout DL, et al. **J Nutr** 1982 Jun;112(6):1151–61

Chemosensitive neuron in the hypothalamus related to food intake behavior. Oomura Y. **Jpn J Pharmacol** 1981;31 Suppl:1P–12P (30 ref.)

The role of norepinephrine in feeding behavior. Rossi J 3d,

et al. **Neurosci Biobehav Rev** 1982 Summer;6(2):195–204
Long-term lateral hypothalamic single unit analysis and feeding behavior in freely moving rats. Ono T, et al. **Neurosci Lett** 1981 Oct;26(1):79–83
Effect of feeding on the chemical control of breathing in the newborn infant. Durand M, et al. **Pediatr Res** 1981 Dec;15(12):1509–12
Behavioral strategies for weight control. Jordan HA. **Penn Med** 1982 Feb;85(2):44–8
Peptidergic control of insulin-induced feeding. Levine AS, et al. **Peptides (Fayetteville)** 1981 Fall;2(3):261–4
Peptidergic regulation of norepinephrine induced feeding. Morley JE, et al. **Pharmacol Biochem Behav** 1982 Feb; 16(2):225–8
Mouse and weanling rat killing by spontaneous mouse killing rats, and by rats with lesions of the lateral septum or the region ventral to the anterior septum: similarities in killing latency and prey eating. Albert DJ, et al. **Physiol Behav** 1981 Nov;27(5):791–5
The structure of meals in humans: eating and drinking patterns in lean and obese subjects. Bellisle F, et al. **Physiol Behav** 1981 Oct;27(4):649–58
Meal patterns in 'free-running' humans. Bernstein IL, et al. **Physiol Behav** 1981 Oct;27(4):621–3
Effects of small basolateral amygdala lesions on ingestion in the rat. Fitzgerald RE, et al. **Physiol Behav** 1981 Sep; 27(3):431–7
Effects of photoperiod and castration on post-fast food intake and body weight gain in golden hamsters. Granneman JG, et al. **Physiol Behav** 1982 May;28(5):847–50
A reexamination of tail-pinch elicited eating behavior following lateral hypothalamic lesions. Greenspon JM, et al. **Physiol Behav** 1981 Sep;27(3):487–92
Hyperphagia is irrelevant for pheromonal emission in the rat. Kilpatrick SJ, et al. **Physiol Behav** 1981 Jun; 26(6):1129–31
Postabsorptive hyperinsulinemia in rats with subdiaphragmatic vagotomy. King BM, et al. **Physiol Behav** 1981 Sep;27(3):523–7
Pregastric stimulation and cholecystokinin are not sufficient for the meal size–intermeal interval correlation in the rat. Kraly FS. **Physiol Behav** 1981 Sep;27(3):457–62
Nocturnal food-related hyperdipsia in the adult spontaneously hypertensive rat. Kraly FS, et al. **Physiol Behav** 1982 May;28(5):885–91
Tail pinch induced consummatory behaviors are associated with analgesia. Levine AS, et al. **Physiol Behav** 1982 Jun; 28(6):959–62
Food intake after intragastric meals of short-, medium, or long-chain triglyceride. Maggio CA, et al. **Physiol Behav** 1982 May;28(5):921–6
Responses to novelty and changes in behavior across a 3-week postoperative period in hippocampal-lesioned mice. Misslin R, et al. **Physiol Behav** 1981 Sep;27(3):413–8
Effect of dentate cooling on lateralized reaching behavior in rats. Moroz VM, et al. **Physiol Behav** 1981 Oct; 27(4):745–7
Protein and energy consumption, plasma amino acid ratios, and brain neurotransmitter concentrations. Peters JC, et al. **Physiol Behav** 1981 Aug;27(2):287–98
Meal-interval correlations: what can they tell us? Schilstra AJ. **Physiol Behav** 1981 Aug;27(2):299–304
Testicular effects on food intake, body weight, and body composition in male hamsters. Slusser WN, et al. **Physiol Behav** 1981 Oct;27(4):637–40
Spillage behavior and thiamin deficiency in the rat. Tagliaferro AR, et al. **Physiol Behav** 1982 May;28(5):933–7
Hepatic vagotomy (partial hepatic denervation) does not alter ingestive responses to metabolic changes. Tordoff MG, et al. **Physiol Behav** 1982 Mar;28(3):417–24
Effects of divided feeding on activity-stress ulcer and the thymus weight in the rat. Tsuda A, et al. **Physiol Behav** 1981 Aug;27(2):349–53
The neurophysiology of feeding. Rolls ET. **Proc Nutr Soc** 1981 Sep;40(3):361–2
Endogenous opiates and stress-induced eating [letter] Antelman SM, et al. **Science** 1981 Dec 4;214(4525):1149–51
Endogenous opiates and energy balance. Mandenoff A, et al. **Science** 1982 Mar 19;215(4539):1536–8
The behaviour of Glossina morsitans morsitans near roads [letter] Newberry K. **Trans R Soc Trop Med Hyg** 1982; 76(2):281–2
[Histological changes in the liver of Benkovska breed geese during the fattening period] Dzhurov A, et al. **Vet Med Nauki** 1981;18(5):76–83 (Eng. Abstr.) **(Bul)**
[Circadian clock of feeding behavior--studies on its physiological roles and biochemical mechanism-- (author's transl)] Nakagawa H, et al. **Tanpakushitsu Kakusan Koso** 1982 Jan 5;27(2):378–90 (51 ref.) **(Jpn)**
[Electrophysiological study of the relationship between suprachiasmatic nucleus and feeding center of the hypothalamus (author's transl)] Oomura Y, et al. **Tanpakushitsu Kakusan Koso** 1982 Jan 5;27(2):391–403 (46 ref.) **(Jpn)**
[Fronto-hippocampal activity during the organization of feeding behavior in rats with bilateral destruction of the lateral hypothalamus] Zilov VG, et al. **Biull Eksp Biol Med** 1981 Sep;92(9):292–4 (Eng. Abstr.) **(Rus)**
[Formation of a system of food-procuring conditioned reflexes in early rat ontogeny] Voronin LG, et al. **Dokl Akad Nauk SSSR** 1981;261(6):1486–9 **(Rus)**
[Differences between murine rodent species as food hosts for ixodid tick larvae (Ixodidae)] Lebedeva NN. **Parazitologiia** 1981 Sep-Oct;15(5):436–40 (Eng. Abstr.) **(Rus)**
[Comparison of the action of parenteral and natural feeding on metabolic processes of the body] Nesterin MF, et al. **Vopr Pitan** 1981 Nov-Dec;(6):3–9 (84 ref.) **(Rus)**
[Metabolic and hematologic changes in the northern red-backed vole Clethrionomys rutilus and the large-toothed red-backed vole Clethrionomys rufocanus during short-term starvation and refeeding] Mosin AF, et al. **Zh Evol Biokhim Fiziol** 1982 Jan-Feb;18(1):47–52 (Eng. Abstr.) **(Rus)**
[Activity of visual and motor cortex neurons during performance of a behavioral act with open and closed eyes] Aleksandrov IuI, et al. **Zh Vyssh Nerv Deiat** 1981 Nov-Dec;31(6):1179–89 (Eng. Abstr.) **(Rus)**
[Constancy of the composition of activated neurons when the parameters of purposeful movement are changed] Aleksandrov IuI. **Zh Vyssh Nerv Deiat** 1982 Mar-Apr; 32(2):333–6 **(Rus)**
[Auditory evoked potentials and acoustically-directed behavior of nestlings] Khaiutin SN, et al. **Zh Vyssh Nerv Deiat** 1982 May-Jun;32(3):520–30 (Eng. Abstr.) **(Rus)**
[Visual evoked potentials of fledglings to ecologically significant stimuli] Khaiutin SN, et al. **Zh Vyssh Nerv Deiat** 1981 Jul-Aug;31(4):829–38 (Eng. Abstr.) **(Rus)**
[Effect of stimulation of the acetylcholinergic system of the caudate nucleus on EEG indices of feeding behavior in the cat] Shugalev NP. **Zh Vyssh Nerv Deiat** 1982 May-Jun; 32(3):411–6 (Eng. Abstr.) **(Rus)**
[Analysis of the spike activity of neurons of the orbital cortex of rabbits during feeding behavior] Zhuravlev BV, et al. **Zh Vyssh Nerv Deiat** 1981 Sep-Oct;31(5):1010–7 (Eng. Abstr.) **(Rus)**

FEEDING PATTERNS see **FEEDING BEHAVIOR**

FEELINGS see **EMOTIONS**

FEER'S DISEASE see **ACRODYNIA**

FEES AND CHARGES

see related
RATE SETTING AND REVIEW

The distinction between cost and charges. Finkler SA. **Ann Intern Med** 1982 Jan;96(1):102–9
MEDLINE changes [letter] Schneiweiss F. **Ann Intern Med** 1982 Sep;97(3):456
Medicine and mammon. Richard L. **Can Med Assoc J** 1982 Aug 15;127(4):269
The contingent fee: disciplinary rule, ethical consideration, or free competition? Busath LE. **Dent Clin North Am** 1982 Apr;26(2):341–52 (13 ref.)
Optimal pricing of hospital services. Dittman DA, et al. **Inquiry** 1981 Winter;18(4):311–21
Capitation in dentistry [letter] Milgrom P. **J Am Dent Assoc** 1981 Oct;103(4):544, 546
Fees for nutritional counseling [letter] Blyler EM. **J Am Diet Assoc** 1982 Apr;80(4):371, 373
Therapeugenic factors in psychotherapy: the effects of fee and title on credibility and attraction. Trautt GM, et al. **J Clin Psychol** 1982 Apr;38(2):274–9
Comparing classification methods: measurement of variations in charges, length of stay, and mortality. Horn SD, et al. **Med Care** 1982 May;20(5):489–500
Who sets your fees? McCord R. **Mod Vet Pract** 1981 May; 62(5):355–8
Capitation-a reimbursement alternative. Raskin MN. **NY State Dent J** 1981 Dec;47(10):634–5
Feeling okay about your fees? Barton-Dobenin J, et al. **VM SAC** 1981 Jul;76(7):1050–4
President's page: some final thoughts regarding fees. Motzel AJ Jr. **Wis Med J** 1981 Nov;80(11):9

LEGISLATION & JURISPRUDENCE

Fee for service abuse [letter] **Aust Fam Physician** 1982 Jan; 11(1):4
Medical scandal [letter] Santamaria A. **Aust Fam Physician** 1982 Jan;11(1):5

FEES, DENTAL

Increased dental charges [letter] **Br Dent J** 1982 Apr 20; 152(8):261–2
Dental Strategy Review Group: dental hygienists [letter] Law JA. **Br Dent J** 1982 Jan 19;152(2):37
Increased dental charges [letter] Massarella DM. **Br Dent J** 1982 Jan 19;152(2):36
Capitation in dentistry [letter] Milgrom P. **J Am Dent Assoc** 1981 Oct;103(4):544, 546
Capitation-a reimbursement alternative. Raskin MN. **NY State Dent J** 1981 Dec;47(10):634–5
[Money in the therapeutic relation] Hugly C. **Rev Odontostomatol (Paris)** 1981 May-Jun;10(3):239–44 **(Fre)**
[Time consumption and calculations of fees in systemic treatment of periodontitis] Gjermo P. **Nor Tannlaegeforen Tid** 1981 Jul;91(10):347–9 **(Nor)**

FEES, MEDICAL

Fetal monitoring in a community hospital: analysis of health maintenance organization, fee-for-service, and clinic populations. Hall ML, et al. **Am J Obstet Gynecol** 1982 Jun 1;143(3):277–85
The HSO experiment: better than fee-for-service? Michaels E. **Can Med Assoc J** 1982 Sep 1;127(5):428–31
Fees for gastrointestinal endoscopy [editorial] Overholt BF. **Gastrointest Endosc** 1981 Aug;27(3):195, 196–7
Hospital use in a fee-for-service system [letter] Kleinman JH. **JAMA** 1982 Jul 16;248(3):306–7
Hospital use in a fee-for-service system. Nobrega FT, et al. **JAMA** 1982 Feb 12;247(6):806–10
Mode of payment as a predictor of health status, use of health services and preventive health behavior: a report from the Los Angeles Health Survey. Marcus AC. **Med Care** 1981 Oct;19(10):995–1010
Health maintenance organizations and the rationing of medical care. Luft HS. **Milbank Mem Fund Q** 1982 Spring; 60(2):268–306
[No additional fee in panel doctor's treatment] Narr H. **Dtsch Med Wochenschr** 1981 Oct 2;106(40):1310–2 **(Ger)**
[Compensation for availability and performance of emergency service by this chief physician] Rieger HJ. **Dtsch Med Wochenschr** 1982 Aug 6;107(31–32):1205–8 **(Ger)**
[Account according private ADGO based on fee agreement] Rieger HJ. **Dtsch Med Wochenschr** 1982 Feb 19; 107(7):271–2 **(Ger)**
[Charging less than the minimum fees] Till G. **Dtsch Med Wochenschr** 1982 Aug 20;107(33):1249–51 **(Ger)**

HISTORY

The age of John Hunter's golden guineas (1763–93). Asherson N. **Ann R Coll Surg Engl** 1982 Jul;64(4):262–5

LEGISLATION & JURISPRUDENCE

Cost containment in the health care field and the antitrust laws. Shapiro DI. **Am J Law Med** 1982 Winter;7(4):425–35
No benefit for Lord's procedure [letter] Brown AR. **Med J Aust** 1982 Apr 3;1(7):290
[Against the counterproductive levelling and devaluation. The plans of the Federal Minister of Labor for a new 'Official Regulation of Fees'] Müller-Osten W. **Chirurg** 1982 Feb;53(2):13–5 **(Ger)**
[Personal service by hospital head physicians. Decision by the Higher District Court of Celle on 22 March 1982] Rieger HJ. **Dtsch Med Wochenschr** 1982 Jul 23; 107(29–30):1156–9 **(Ger)**
[Roentgen examination: medical-technical achievement or physician's measure? Updating the physician fee schedule] Winkler EA. **MMW** 1981 Oct 2;123(40):1489–90 **(Ger)**
[The new GOA (fee regulation for physician)--really progress?] Oehmichen W. **Pathologe** 1982 Jul;3(4):179–83 **(Ger)**

STANDARDS

Fee slips and visit slips revisited. Hubler RS. **J Am Optom Assoc** 1982 Feb;53(2):145–6
[Standard practice and standard future] Meijler FL. **Ned Tijdschr Geneeskd** 1982 May 8;126(19):869–71 **(Dut)**

TRENDS

Allergic rhinitis in Danish general practice. Prevalence and consultation rates. Pedersen PA, et al. **Allergy** 1981 Aug; 36(6):375–9
Problems and prospects in hospital rate regulation. Olson GT. **W Va Med J** 1982 Mar;78(3):70–5

FEES, PHARMACEUTICAL

Improving revenue collection for ambulatory pharmaceutical services. Boucher BA, et al. **Am J Hosp Pharm** 1982 Apr; 39(4):610–2
Strategies for reducing prescription costs. Chilton L. **Pediatrics** 1981 Nov;68(5):713–6
[Observations on economizing on drug costs] Offerhaus L. **Ned Tijdschr Geneeskd** 1982 May 1;126(18):824–9 **(Dut)**

TRENDS

The economics of drug prescribing in Ireland. O'Hanrahan M, et al. **Ir Med J** 1981 Oct;74(10):309–10, 312
[Factors determining the rise in costs of drugs in Socio-Medical Services] Ramos VM. **Acta Med Port** 1981 Sep-Dec;3(5–6):363–70 (Eng. Abstr.) **(Por)**

FELINE CALICIVIRUSES see **CALICIVIRIDAE**

FELINE FIBROSARCOMA VIRUS see under **RETROVIRIDAE**

FELINE INFECTIOUS ANEMIA see under **CAT DISEASES**

FELINE INFECTIOUS ENTERITIS

MICROBIOLOGY

Mink enteritis in Japan. I. Isolation and characterization of the causative virus and its pathogenicity in cat. Higashihara T, et al. **Nippon Juigaku Zasshi** 1981 Dec;43(6):841–51

OCCURRENCE

Mink enteritis in Japan. II. Epidemiology of the disease. Higashihara T, et al. **Nippon Juigaku Zasshi** 1981 Dec; 43(6):929–31

VETERINARY

Hydranencephaly associated with feline panleukopenia. Greene CE, et al. **J Am Vet Med Assoc** 1982 Apr 1; 180(7):767–8

FELINE INFECTIOUS ENTERITIS VIRUS see under **PARVOVIRIDAE**

FELINE LEUKEMIA VIRUS

Role of viruses in the etiology of naturally occurring feline leukemia. Essex M, et al. **Hamatol Bluttransfus** 1981; 26:483–7

ANALYSIS

Primary structure analysis of the major internal protein p24 of human type C T-cell leukemia virus. Oroszlan S, et al. **Proc Natl Acad Sci USA** 1982 Feb;79(4):1291–4

GENETICS

The U3 portion of feline leukemia virus DNA identifies horizontally acquired proviruses in leukemic cats. Casey JW, et al. **Proc Natl Acad Sci USA** 1981 Dec;78(12):7778–82

GROWTH & DEVELOPMENT

Selective host range restriction of goat cells for recombinant murine leukemia virus and feline leukemia virus type A. Fischinger PJ, et al. **J Virol** 1981 Sep;39(3):981–5

Selective effect of feline leukaemia virus on early erythroid precursors. Onions D, et al. **Nature** 1982 Mar 11; 296(5853):156–8

Reactivation of latent feline leukaemia virus infection. Rojko JL, et al. **Nature** 1982 Jul 22;298(5872):385–8

IMMUNOLOGY

Neutralization of feline leukemia virus with feline antisera to leukocyte alloantigens. Lee TH, et al. **Cancer Res** 1982 Oct;42(10):3995–9

A micro-enzyme-linked immunosorbent assay (ELISA) test for detection of feline leukemia virus in cats. Mia AS, et al. **Comp Immunol Microbiol Infect Dis** 1981;4(1):111–7

Relationship of the feline oncornavirus associated cell membrane antigen to a feline sarcoma virus encoded polyprotein. Snyder HW Jr, et al. **Hamatol Bluttransfus** 1981;26:488–91

Protection against feline leukemia by vaccination with a subunit vaccine. Lewis MG, et al. **Infect Immun** 1981 Dec; 34(3):888–94

Feline leukemia – unique and cross-relating antigens on individual virus-producing tumors identified by complement-dependent antibody. Grant CK, et al. **Int J Cancer** 1981 Aug 15;28(2):209–17

Evaluation of the parameters of the ELISA procedure for feline type C retroviral antigens: assay of FeLV antigens in chronically infected or nonproducer transformed cells. Saxinger C. **Intervirology** 1981;15(1):1–9

Search for evidence of feline leukemia virus infection in humans with leukemias, lymphomas, or soft tissue sarcomas. Sordillo PP, et al. **JNCI** 1982 Aug;69(2):333–7

Detection of feline leukemia virus infection in Tokyo area by enzyme-linked immunosorbent assay (ELISA). Ishida T, et al. **Nippon Juigaku Zasshi** 1981 Dec;43(6):871–4

ISOLATION & PURIFICATION

Epidemiologic association between virus-negative feline leukemia and the horizontally transmitted feline leukemia virus. Francis DP, et al. **Cancer Lett** 1981 Mar; 12(1–2):37–42

Prevalence and sequelae of feline leukemia virus infection in laboratory cats. Ladiges WC, et al. **J Am Vet Med Assoc** 1981 Dec 1;179(11):1206–7

Isolation of feline leukemia virus from a leopard cat cell line and search for retrovirus in wild felidae. Rasheed S, et al. **JNCI** 1981 Oct;67(4):929–33

Feline leukaemia virus testing [letter] Jones BR, et al. **NZ Vet J** 1981 Oct;29(10):188–9

Isolation via transfection of feline leukemia viruses from DNA of naturally occurring feline lymphomas. Rosenberg ZF, et al. **Virology** 1981 Nov;115(1):203–10

FELINE LYMPHOMA VIRUS see **FELINE LEUKEMIA VIRUS**

FELLOWSHIPS AND SCHOLARSHIPS

Head and neck oncologic training: where we have been and where we are going. Joint Council for Approval of Advanced Training in Head and Neck Oncologic Surgery. **Am J Surg** 1981 Oct;142(4):504–5

National Study of Internal Medicine Manpower: VII. Residency and fellowship training 1976–1977 through 1980–1981. Schleiter MK, et al. **Ann Intern Med** 1981 Dec; 95(6):762–8

Impact of a cardiology data bank on physicians' prognostic estimates. Evidence that cardiology fellows change their estimates to become as accurate as the faculty. Goldman L, et al. **Arch Intern Med** 1981 Nov;141(12):1631–4

Accreditation of fellowship programs in forensic psychiatry: a preliminary report. Rosner R. **Bull Am Acad Psychiatry Law** 1980;8(4):381–6

Cardiology fellowship training programs. Murphy E. **Chest** 1982 Feb;81(2):139–40

Fellowship programs in critical care medicine--1982. Greenbaum DM, et al. **Crit Care Med** 1982 May; 10(5):347–51

Postgraduate pharmacy fellowships. Kaul AF, et al. **Drug Intell Clin Pharm** 1981 Dec;15(12):981–5

Training and education in gastroenterology. List of available training programs. **Gastroenterology** 1982 Aug;83(2):506–18

Head and neck oncologic training--where we have been and where we are going [editorial] **Head Neck Surg** 1981 Sep–Oct;4(1):85–6

Survey of physician fellows in adolescent medicine. Rauh JL. **J Adolesc Health Care** 1980 Sep;1(1):50–3

The fellowship in Mohs' surgery: a personal experience. Dzubow LM. **J Dermatol Surg Oncol** 1981 Oct;7(10):793

An infectious disease fellowship for a family physician. Haddy RI, et al. **J Fam Pract** 1982 Mar;14(3):600–1

Evaluation of the Robert Wood Johnson Health Policy Fellowship program: a synopsis. Zwick DI. **J Health Polit Policy Law** 1982 Winter;6(4):780–2

Residencies and fellowships in pediatric subspecialties and general academic pediatric training. **J Pediatr** 1982 Sep; 101(3):34A–74A

The Morris-Fishbein fellowship in medical journalism [editorial] Southgate MT. **JAMA** 1982 Aug 20;248(7):872

A hundred years of the Ettles scholarship at the University of Edinburgh or 'Whatever happened to the likely lads (and lasses)?' Wilson HD. **Med Educ** 1981 Nov;15(6):359–62

The development of a psychosomatic medicine fellowship in the United States army. Bissell WG, et al. **Milit Med** 1982 Jan;147(1):59–61

Sounding Boards. The development of a physician-investigator training program. Levey GS, et al. **N Engl J Med** 1981 Oct 8;305(15):887–9

Nursing fellowship opportunities for advanced studies. Detherage KS, et al. **Nurs Outlook** 1982 Feb;30(2):115–21

FELTY'S SYNDROME

BLOOD

[Mechanisms and prognosis of neutropenia in Felty's syndrome. 27 cases (author's transl)] Meyer O, et al. **Nouv Presse Med** 1982 May 1;11(20):1549–52 (Eng. Abstr.) **(Fre)**

COMPLICATIONS

Liver disease in Felty's syndrome. Thorne C, et al. **Am J Med** 1982 Jul;73(1):35–40

Septic rheumatoid pericarditis complicating Felty's syndrome. Shapiro L, et al. **Arthritis Rheum** 1981 Nov; 24(11):1435–7

Morbidity and Mortality Conference: infection and Felty's syndrome. **Va Med** 1981 Sep;108(9):609–14

[Felty syndrome and abscessing bronchopneumonia caused by Aspergillus fumigatus] Lozano de León-Naranjo F, et al. **Rev Clin Esp** 1981 Sep 30;162(6):293–6 **(Spa)**

DIAGNOSIS

[Felty's syndrome--report of 3 cases (author's transl)] Yu PG. **Chung Hua Nei Ko Tsa Chih** 1980 Nov;19(6):463–4 **(Chi)**

DRUG THERAPY

Utilizing lithium in a patient with Felty's syndrome [letter] Case DC. **Blood** 1982 May;59(5):1108–10

Felty's syndrome: response to parenteral gold. Luthra HS, et al. **J Rheumatol** 1981 Nov–Dec;8(6):902–9

Gold in the treatment of Felty's syndrome. Percy JS. **J Rheumatol** 1981 Nov–Dec;8(6):878–9

PATHOLOGY

Non-articular Felty's syndrome. Heyn J. **Scand J Rheumatol** 1982;11(1):47–8

PHYSIOPATHOLOGY

Felty's syndrome: case report and rationale for disease-suppressant immunosuppressive therapy. Kaprove RE. **J Rheumatol** 1981 Sep–Oct;8(5):791–6

RADIONUCLIDE IMAGING

111Indium-labelled white blood cells in the diagnosis of Felty's syndrome. Birnie GG, et al. **J Clin Pathol** 1982 Jan;35(1):74–6

SURGERY

Splenectomy in Felty's syndrome [letter] Logue GL, et al. **Ann Intern Med** 1982 Jan;96(1):124

FELYPRESSIN see under **LYPRESSIN**

FEMINIZATION

ETIOLOGY

Alcohol-induced changes in hepatic estrogen-binding proteins: a mechanism explaining feminization in alcoholics. Eagon PK, et al. **Arch Biochem Biophys** 1981 Oct 1; 211(1):48–54

Hypogonadism and feminization in alcoholic men: the past, present and future. Van Thiel DH, et al. **Curr Alcohol** 1981; 8:29–40 (88 ref.)

[Heterosexual pubertas praecox] Fargašová I. **Cesk Pediatr** 1981 Aug;36(8):453–6 (Eng. Abstr.) **(Cze)**

PATHOLOGY

Bilateral incipient germ cell tumours of the testis in the incomplete testicular feminization syndrome. Nogales FF Jr, et al. **Histopathology** 1981 Sep;5(5):511–5

FEMORAL ARTERY

Femur fracture and false aneurysm. Ahlgren SA, et al. **Acta Chir Scand** 1981;147(5):377–9

A simplified method for antegrade sheath introduction into the common femoral artery. Bermar HL, et al. **AJR** 1982 May;138(5):973

Femoral artery spasm in children: catheter size is the principal cause. Franken EA Jr, et al. **AJR** 1982 Feb; 138(2):295–8

Long-segment arterial occlusion: percutaneous transluminal angioplasty. Lu CT, et al. **AJR** 1982 Jan;138(1):119–22

Angioplasty for femoral artery occlusion: comparison with surgery. Martin EC, et al. **AJR** 1981 Nov;137(5):915–9

Superiority of the femoral artery of monitoring. A prospective study. Soderstrom CA, et al. **Am J Surg** 1982 Sep;144(3):309–12

Common femoral artery atherosclerotic occlusion. Difficult to diagnose but easy to treat. Archie JP Jr, et al. **Am Surg** 1982 Jul;48(7):339–40

Combined transluminal percutaneous dilation and surgical reconstruction of the iliac, femoral and popliteal arteries. Olbert F, et al. **Ann Radiol (Paris)** 1981 Jun-Jul; 24(5):369–74

Long-term results of iliac and femoral angioplasty. van Andel GJ. **Ann Radiol (Paris)** 1981 Jun–Jul;24(5):365–8

Long-term results of transluminal angioplasty of the iliac and femoral arteries. Spence RK, et al. **Arch Surg** 1981 Nov;116(11):1377–86

Transluminal angioplasty of the iliac and femoropopliteal arteries. Current status. Waltman AC, et al. **Arch Surg** 1982 Sep;117(9):1218–21

Percutaneous transluminal angioplasty of iliofermoral arteries. Vawter M. **Ariz Med** 1981 Sep;38(9):687–9

Prevention of embolization of a catheter fragment to the lower extremity by compression of the femoral artery. Gordon DH, et al. **Cardiovasc Intervent Radiol** 1982; 5(2):117–8

Influence of thigh blood flow upon the arterial pressure gradient over the collateral arteries in patients with occlusion of the superficial femoral artery. Agerskov K. **Cardiovasc Res** 1982 Jun;16(6):304–7

Effect of intra-arterially induced alpha-receptor blockade upon resistance in collateral arteries in patients with occlusion of the superficial femoral artery. Agerskov K, et al. **Clin Physiol** 1981 Aug;1(4):385–93

Transfemoral hepatic artery infusion for metastatic carcinoma. Helsper JT, et al. **J Surg Oncol** 1981; 18(2):173–81

Arterial obstruction as a complication of barium enema examination. Boevé J. **Neth J Surg** 1981 Aug;33(3):127–30

Transluminal angioplasty of the iliac and femoral arteries: follow-up results without anticoagulation. Freiman DB, et al. **Radiology** 1981 Nov;141(2):347–50

Hemodynamic measurements in the evaluation and follow-up of transluminal angioplasty of the iliac and femoral arteries. Kaufman SL, et al. **Radiology** 1982 Feb;142(2):329–36

Accurate and safe puncture of a pulseless femoral artery: an aid in performing iliac artery percutaneous transluminal angioplasty. Khangure MS, et al. **Radiology** 1982 Sep; 144(4):927–8

Approach to transluminal angioplasty in patients with groin scarring or vascular grafts. Lu CT, et al. **Radiology** 1982 May;143(2):395–8

Case report 184: Mycotic aneurysm of the deep femoral artery causing bone resorption and production, simulating a primary bone neoplasm. Friedman AC, et al. **Skeletal Radiol** 1982 Jan;7(4):289–92

Intraoperative assessment of the hemodynamic significance of iliac and profunda femoris artery stenosis. Archie JP Jr, et al. **Surgery** 1981 Nov;90(5):876–80

Rupture of isolated atherosclerotic aneurysm of lateral femoral circumflex artery. Feldman AJ, et al. **Surgery** 1981 Nov;90(5):914–6

Long-term follow-up of limbs after use of intra-aortic balloon counterpulsation device. Felix WR Jr, et al. **Surgery** 1982 Feb;91(2):183–7

Combined arterial reconstruction and transluminal dilatation: therapeutic teamwork to combat vascular insufficiency. Johansen K, et al. **World J Surg** 1981 Jul;5(4):653–8

[A false aneurysm at the site of implantation of a vascular prosthesis] Caracino AM, et al. **Ann Ital Chir** 1981; 53(3):379–86 **(Ita)**

[Our experience with the axillary–femoral by–pass] Agresti A, et al. **Minerva Chir** 1980 Dec 15–31;35(23–24):1977–82 **(Ita)**

[Complications of the axillo–femoral by–pass] Agresti A, et al. **Minerva Chir** 1980 Dec 15–31;35(23–24):1969–76 **(Ita)**

[Critical review of the use of the Sparks prostheses in femoro–popliteal revascularization] Alagni G, et al. **Minerva Chir** 1980 Dec 15–31;35(23–24):1961–4 **(Ita)**

[The axillo–femoral by–pass. Evaluation of the long–term results] Domeniconi R, et al. **Minerva Chir** 1980 Dec 15–31; 35(23–24):1965–8 **(Ita)**

[Clinical aspects of arterial aneurysms] Scevola F. **Minerva Chir** 1982 Apr 15;37(7):690–3 **(Ita)**

[Histiocytoid hemangioma. Report of 2 cases in rare sites] Tison V, et al. **Pathologica** 1981 Sep–Oct;73(1027):753–62 **(Ita)**

[Prospects for using ultrasound in the treatment of acute arterial thrombosis] Savel'ev VS, et al. **Khirurgiia (Mosk)** 1982 Feb;(2):89–93 **(Rus)**

[Massive retroperitoneal hematomas in transfemoral catheterization angiography of the cerebral vessels] Medvedev IuA, et al. **Vestn Khir** 1982 Feb;128(2):77–8 **(Rus)**

[Femoral embolism caused by rupture of a cardiac hydatid cyst. Presentation of a case and review of the literature] Bartolo M, et al. **Angiologia** 1981 Nov–Dec;33(6):341–4 (Eng. Abstr.) **(Spa)**

[Arterial embolism caused by hydatid cyst. Intracardiac hydatidosis] Padrón Archs W, et al. **Angiologia** 1981 Nov–Dec;33(6):322–4 (Eng. Abstr.) **(Spa)**

ABNORMALITIES

Persistent sciatic artery: clinical, surgical, and angiographic aspects. McLellan GL, et al. **Arch Surg** 1982 Jun; 117(6):817–22

ANATOMY & HISTOLOGY

A new technique for noninvasive evaluation of femoral arterial and venous anatomy before and after percutaneous cardiac catheterization in children and infants. Sahn DJ, et al. **Am J Cardiol** 1982 Feb 1;49(2):349–55

[Contribution to the study of the vascularization of the fascia lata tensor muscle] Mairesse JL, et al. **Acta Anat (Basel)** 1981;110(3):270–6 (Eng. Abstr.) **(Fre)**

DRUG EFFECTS

Effect of aligeron on the resistance of the cerebral and peripheral blood vessels. Nikolov R, et al. **Acta Physiol Pharmacol Bulg** 1981;6(3):54–9

Vasodilator response in the lower extremity induced by contrast medium. I Canine model. Link DP, et al. **Acta Radiol [Diagn] (Stockh)** 1982;23(2):81–6

Prolonged exposure to ouabain eliminates the greater norepinephrine–dependent calcium sensitivity of resistance vessels in spontaneously hypertensive rats. Nilsson H, et al. **Hypertension** 1981 Nov–Dec;3(6):691–7

Microvascular response to angiography. Peimer CA, et al. **J Hand Surg** 1982 Jan;7(1):4–10

INJURIES

Transcatheter treatment of injuries to the profunda femoris artery. Sclafani SJ, et al. **AJR** 1982 Mar;138(3):463–6

Vascular trauma in the groin: contrast between iliac and femoral injuries. Millikan JS, et al. **Am J Surg** 1981 Dec; 142(6):695–8

Profunda femoris arterial laceration secondary to intertrochanteric hip fracture fragments: a case report. Mauerhan DR, et al. **Clin Orthop** 1981 Nov–Dec; (161):215–9

Limb salvage using temporary arterial shunt following traumatic near–amputation of the thigh. Bach A, et al. **J Pediatr Orthop** 1982 Jun;2(2):187–90

[Vascular injuries caused by electric direct current in experimental thrombosis models] Reimann G, et al. **Z Exp Chir** 1981 Dec;14(6):397–402 (Eng. Abstr.) **(Ger)**

[Iatrogenic lesions of the femoral artery during hernioplasty] Celi S, et al. **Chir Ital** 1981 Aug;33(4):892–900 (15 ref.) **(Ita)**

[Traumatic aneurysm of the femoral artery complicated by a thromboembolism of the popliteal artery] Tokmakov MU. **Vestn Khir** 1981 Jul;127(7):87–8 **(Rus)**

INNERVATION

Demonstration of autonomic nerves in transplanted arteries in rabbits. Wada H. **J Microsurg** 1981 Fall;3(1):20–7

METABOLISM

Human femoral arteries in tissue culture—demonstration of a moderate Pasteur effect. Janssen EJ, et al. **Vasa** 1981; 10(3):204–10

PATHOLOGY

[Radio–anatomy of anastomoses between the deep femoral artery and the femoro–popliteal axis] Cronier P, et al. **Bull Assoc Anat (Nancy)** 1980 Dec;64(187):477–85 (Eng. Abstr.) **(Fre)**

PHYSIOLOGY

Thermal–energy dissipation: a laboratory study to assess patency in blood vessels. Cohn KH, et al. **Plast Reconstr Surg** 1982 Oct;70(4):475–80

The papaverine test for blood flow potential of the profunda femoris artery. Baron HC, et al. **Surg Gynecol Obstet** 1981 Dec;153(6):873–6

Femoral artery pressure measurement to predict the outcome of arterial surgery in patients with multilevel disease. Faris I, et al. **Surgery** 1982 Jul;92(1):10–5

Regional blood flow during pulsatile and nonpulsatile cardiopulmonary bypass. Levy BI, et al. **Trans Am Soc Artif Intern Organs** 1981;27:127–31

PHYSIOPATHOLOGY

Femoral artery cuff plethysmography in arterial occlusive disease. Randall RD Jr, et al. **Am Surg** 1982 Jul;48(7):333–8

Comparative study of strain gauge plethysmography and Doppler ultrasound in patients with occlusive arterial disease of the lower extremities. Breslau PJ, et al. **Angiology** 1981 Dec;32(12):840–5

The relationship between aortoiliac hemodynamics and femoral pulsatility index. Bone GE. **J Surg Res** 1982 Mar; 32(3):228–33

Femoral pulsatility index in the evaluation of aortoiliac occlusive disease. Flanigan DP, et al. **J Surg Res** 1981 Nov; 31(5):392–9

Hemodynamic and arteriographic evaluation of femoral pulsatility index. Flanigan DP, et al. **J Surg Res** 1982 Mar; 32(3):234–8

Determination of the hemodynamic significance of iliac artery stenosis by noninvasive Doppler ultrasonography. Archie JP Jr, et al. **Surgery** 1982 Apr;91(4):419–24

[Experimental model of isolated arterial stenosis] Sedlařík K, et al. **Z Exp Chir** 1981 Dec;14(6):391–6 (Eng. Abstr.) **(Ger)**

RADIOGRAPHY

Clinical experience of ioxaglate in femoral angiography. Suzuki S, et al. **Acta Radiol [Diagn] (Stockh)** 1982; 23(2):87–92

A comparison of iopamidol and diatrizoate in peripheral angiography. Fletcher EW. **Br J Radiol** 1982 Jan; 55(649):36–8

An assessment of iopamidol, a non–ionic contrast medium, in aorto–femoral angiography. Whitehouse GH, et al. **Clin Radiol** 1982 Mar;33(2):231–4

Pain and aortofemoral arteriography: the importance of chemical structure and osmolality of contrast agents. Holder JC, et al. **Invest Radiol** 1981 Nov–Dec;16(6):508–12

Regression of aneurysms in Kawasaki disease: a pathological study. Sasaguri Y, et al. **J Pediatr** 1982 Feb;100(2):225–31

Catheter modification to improve the performance of aorto–ileo–femoral examinations. Abaskaron M. **Radiology** 1982 Jul;144(2):420

Arteriography of lower limbs with blocked circulation: ('dry–limb' arteriography). Chermet J. **Radiology** 1981 Sep; 140(3):826–30

Two angiographic signs of pseudoaneurysms: systolic jet and diastolic washout. Kreipke DL, et al. **Radiology** 1982 Jul; 144(1):79–82

[Metrizamide (amipaque) and amidotrezoate (urografin) in femoral arteriography. A double–blind comparison] Hansen HS, et al. **Ugeskr Laeger** 1981 Dec 7;143(50):3377–9 (Eng. Abstr.) **(Dan)**

[Case of extensive occlusion of arteries of the lower limbs in a young patient] Jaworski R, et al. **Wiad Lek** 1981 Sep 1;34(17):1455–7 **(Pol)**

[Ambulatory transfemoral puncture arteriography] Zolotorevskiĭ VIa, et al. **Sov Med** 1982;(1):88–90 **(Rus)**

SURGERY

Umbilical vein grafts and PTFE grafts for femoro–popliteal bypass. Preliminary results. Aamold J, et al. **Acta Chir Scand** 1981;147(2):121–3

Aspergillus terreus infection of pseudoaneurysm of aortofemoral vascular graft with contiguous vertebral osteomyelitis. Glotzbach RE. **Am J Clin Pathol** 1982 Feb; 77(2):224–7

Arterial embolectomy in the leg. Results in a referral hospital. Kendrick J, et al. **Am J Surg** 1981 Dec;142(6):739–43

Femoropopliteal tibial bypass: what price failure? Raviola CA, et al. **Am J Surg** 1982 Jul;144(1):115–23

Prospective randomized study of concomitant lumbar sympathectomy with aortoiliac reconstruction. Satiani B, et al. **Am J Surg** 1982 Jun;143(6):755–60

Obturator foramen grafts: the preferable alternate route? Erath HG Jr, et al. **Am Surg** 1982 Feb;48(2):65–9

Aortofemoral bypass grafting: Microvel. Lind RE, et al. **Am Surg** 1982 Mar;48(3):89–92

Timing of periarterial blood removal for the prevention of vasonecrosis. Alksne JF, et al. **Angiology** 1982 Apr; 33(4):259–67

Combined use of vascular bypass and myocutaneous flap reconstruction in salvage of an ischemic limb. Cochran JH Jr, et al. **Angiology** 1981 Sep;32(9):642–7

Axillofemoral bypass: a ten–year review. Burrell MJ, et al. **Ann Surg** 1982 Jun;195(6):796–9

Current PTFE grafts: a biomechanical, scanning electron, and light microscopic evaluation. Hanel KC, et al. **Ann Surg** 1982 Apr;195(4):456–63

Internal iliac artery revascularization during aortofemoral bypass. Cronenwett JL, et al. **Arch Surg** 1982 Jun; 117(6):638–9

Endarterectomy for segmental occlusive disease of the superficial femoral artery. Inahara T, et al. **Arch Surg** 1981 Dec;116(12):1547–53

Femorotibial and femoroperoneal bypass vein grafts. A 15–year experience. Kacoyanis GP, et al. **Arch Surg** 1981 Dec;116(12):1529–34

Sequential femoropopliteal and femorotibial bypasses. A ten–year follow–up study. Rosenfeld JC, et al. **Arch Surg** 1981 Dec;116(12):1538–43

Deep veins of the leg as femoropopliteal bypass grafts. Schulman ML, et al. **Arch Surg** 1981 Sep;116(9):1141–5

Precise diagnosis of aortic anastomotic aneurysm by computed tomographic scan. Taylor LM Jr, et al. **Arch Surg** 1981 Sep;116(9):1209–11

Microvascular anastomosis of arteries under tension. Chow SP, et al. **Br J Plast Surg** 1982 Jan;35(1):82–7

The correlation of histology to needle type in microvascular anastomoses: a quantitative analysis. Cook AF, et al. **Br J Plast Surg** 1982 Apr;35(2):156–7

A re–appraisal and modification of the Lauritzen technique of microvascular anastomoses. Hyland WT, et al. **Br J Plast Surg** 1981 Oct;34(4):451–3

Microarterial anastomoses in the rat: the influence of different suture materials on the patency, strength and the electron microscopic appearance of the vessels. Pitt TT, et al. **Br J Plast Surg** 1982 Apr;35(2):150–5

Femoropopliteal bypass grafts—an isotope technique allowing in vivo comparison of thrombogenicity. Goldman M, et al. **Br J Surg** 1982 Jul;69(7):380–2

Increased penile perfusion and reversal of vasculogenic impotence following femoro–femoral bypass. Schuler JJ, et al. **Br J Surg** 1982 Jun;69 Suppl:S6–10

Ascending aorta to bifemoral artery bypass. Baird RJ, et al. **Can J Surg** 1981 Jul;24(4):415–8

Intimal hyperplasia in autogenous veins used for arterial replacement. Gunstensen J, et al. **Can J Surg** 1982 Mar; 25(2):158–60, 165

Vascular surgery: the unanswered questions. Sheiner NM. **Can J Surg** 1982 Jul;25(4):359–61

Fate of the limb after failed femoropopliteal reconstruction. Wooster DL, et al. **Can J Surg** 1982 Jul;25(4):393–7

Perigraft cavity. Jaques PF, et al. **Cardiovasc Intervent Radiol** 1981;4(4):251–2

Artificial peripheral arteries and long–term results. Ning ZJ, et al. **Chin Med J [Engl]** 1982 Feb;95(2):153–5

Femoral aneurysms in Nigerians. Adebo OA, et al. **East Afr Med J** 1981 Jul;58(7):525–31

The value of profundoplasty for the revascularization of the lower extremities. Balas P, et al. **Int Surg** 1981 Jul–Sep; 66(3):209–12

Arterial reconstruction for distal disease of the lower extremities by the in situ vein graft technique. Gruss JD, et al. **J Cardiovasc Surg (Torino)** 1982 May–Jun;23(3):231–4

Surgical treatment of the thoraco–abdominal aneurysms. Paredero del Bosque V, et al. **J Cardiovasc Surg (Torino)** 1981 Nov–Dec;22(6):521–7

A new look at peripheral vascular disease in blacks: a two–year update. Gordon WC Jr, et al. **J Natl Med Assoc** 1980 Dec;72(12):1177–83

Polytetrafluoroethylene or saphenous vein as a femoropopliteal bypass graft? Julian TB, et al. **J Surg Res** 1982 Jan;32(1):1–6

Treatment of limb–threatening ischemia despite a palpable popliteal pulse. Samson RH, et al. **J Surg Res** 1982 Jun; 32(6):535–9

Analysis of factors influencing patency of polytetrafluoroethylene prostheses for limb salvage. Yeager RA, et al. **J Surg Res** 1982 May;32(5):499–506

Bypass graft for femoral artery involvement by metastatic carcinoma of the penis. Cockburn AG, et al. **J Urol** 1982 Jun;127(6):1191–3

Ureteral injury: complication of partial excision of aortofemoral vascular prosthesis. Selman SH, et al. **J Urol** 1981 Dec;126(6):817–8

Aortoiliac and aortoiliofemoral reconstruction. Gaspar MR. **Major Probl Clin Surg** 1981;4:228–70 (111 ref.)

Femoral–popliteal–tibial reconstruction. Gaspar MR. **Major Probl Clin Surg** 1981;4:271–314 (165 ref.)

An experimental study of the sleeve technique in microarterial anastomoses. Sully L, et al. **Plast Reconstr Surg** 1982 Aug;70(2):186–92

Management of femoral pseudoaneurysms. Ochsner JL. **Surg Clin North Am** 1982 Jun;62(3):431–40

Double–tongue angioplasty for outflow stenoses. Brown OW, et al. **Surg Gynecol Obstet** 1982 May;154(5):730–1

A technique of angioplasty of the profunda and superficial femoral arteries. Cantelmo NL, et al. **Surg Gynecol Obstet** 1982 Apr;154(4):564–5

Evaluation of a microvascular prosthesis of microporous polytetrafluoroethylene in rats. Fonegra J, et al. **Surg Gynecol Obstet** 1982 May;154(5):673–80

Technique of femoropopliteal and femorotibial grafts using

umbilical vein. Hirsch SA, et al. **Surg Gynecol Obstet** 1982 Aug;155(2):246–9

Improvement of amputation level by lower extremity revascularization. Johansen K, et al. **Surg Gynecol Obstet** 1981 Nov;153(5):707–9

Atheroembolism as cause of graft failure in femoral distal reconstruction. Flinn WR, et al. **Surgery** 1981 Oct; 90(4):698–706

Results of repetitive distal revascularization. Flinn WR, et al. **Surgery** 1982 May;91(5):566–72

Aneurysm formation in human umbilical vein grafts. Giordano JM, et al. **Surgery** 1982 Mar;91(3):343–5

Assessment of donor limb hemodynamics in femorofemoral bypass for claudication. Harris JP, et al. **Surgery** 1981 Oct; 90(4):764–73

Failure of autogenous reversed saphenous vein femoropopliteal grafting: pathophysiology and prevention. LiCalzi LK, et al. **Surgery** 1982 Mar;91(3):352–8

Effects of femorofemoral grafts on postoperative sexual function: correlation with penile pulse volume recordings. Merchant RF Jr, et al. **Surgery** 1981 Dec;90(6):962–70

Ileofemoral thromboendarterectomy through retroperitoneal approach. Sonnenfeld T. **Surgery** 1981 Nov;90(5):868–71

Procedure for infected femoral shunts [letter] Thomas GI. **Surgery** 1982 Jan;91(1):115–6

Profundaplasty in perspective: limitations in the long-term management of limb ischemia. Towne JB, et al. **Surgery** 1981 Dec;90(6):1037–46

Superficial femoral and popliteal arteries as inflow sites for distal bypasses. Veith FJ, et al. **Surgery** 1981 Dec; 90(6):980–90

Risk factors in the prognosis of the aortofemoral graft. Nevelsteen A, et al. **Vasa** 1981;10(3):230–4

[Axillofemoral bypass for treatment of Leriche syndrome (author's transl)] Feng YX. **Chung Hua Wai Ko Tsa Chih** 1981 Nov;19(11):648–51 (Eng. Abstr.) **(Chi)**

[The crossover femoro-femoral or ileo-femoral bypass] Cerný J, et al. **Rozhl Chir** 1982 May;61(5):318–24 (Eng. Abstr.) **(Cze)**

[Primary operations on the deep femoral artery] Cerný J, et al. **Rozhl Chir** 1982 May;61(5):310–7 (Eng. Abstr.) **(Cze)**

[An unusual case of infection of an arterial reconstruction in the inguinal region in a paraplegic child treated by a bypass through the obturator canal] Spatenka J, et al. **Rozhl Chir** 1982 Jun;61(6):415–21 (Eng. Abstr.) **(Cze)**

[Hemodynamic study by pulsed ultrasonic velocimetry of axillo-femoral bypass] Levy BI, et al. **Arch Mal Coeur** 1981 Aug;74(8):979–84 (Eng. Abstr.) **(Fre)**

[Aneurysm formation on dacron prosthesis after 84 months of use. Pathology, structural and chemical evaluation of the explanted device (author's transl)] Godard F, et al. **J Mal Vasc** 1981;6(3):167–71 (Eng. Abstr.) **(Fre)**

[Evaluation of arteriovenous shunts following venous by-pass with the saphenous vein in situ. A suggested approach (author's transl)] Le Héron D, et al. **J Mal Vasc** 1981;6(4):313–8 (Eng. Abstr.) **(Fre)**

[Arterial thrombosis of the femoro-popliteal axis. An exceptional case of vascular complication by exostosis (author's transl)] Metras D, et al. **J Mal Vasc** 1981; 6(4):289–91 (Eng. Abstr.) **(Fre)**

[Urological problems related to aorto-bifemoral surgery (author's transl)] Perreault JP, et al. **J Urol (Paris)** 1982; 88(3):151–4 (Eng. Abstr.) **(Fre)**

[The significance of vascular diameters in vascular reconstruction surgery] Csengödy J, et al. **Acta Chir Acad Sci Hung** 1980;21(2):109–18 (Eng. Abstr.) **(Ger)**

[Autologous vein grafts as artery replacement in microsurgery. An experimental study of micro- and macromorphologic changes 3 weeks to 12 months postoperatively] Biemer E, et al. **Handchirurgie** 1981; 13(1–2):108–13 (Eng. Abstr.) **(Ger)**

[Sparks grafts as arterial substitutes in the femoro-popliteal region with a postoperative follow-up of up to 54 months] Kretschmer G, et al. **Helv Chir Acta** 1981 Apr; 48(1–2):243–50 (Eng. Abstr.) **(Ger)**

[The axillofemoral bypass as an aortoiliac principle of reconstruction in high risk patients. Long term results from 1970–1979 (author's transl)] Hepp W, et al. **Langenbecks Arch Chir** 1982;357(2):131–40 (Eng. Abstr.) **(Ger)**

[CT imaging of the femoropopliteal and femorocrural bypass (author's transl)] Grote R, et al. **Rontgenblatter** 1981 Nov; 34(11):429–33 **(Ger)**

[Axillo-femoral bypass graft; results of treatment covering an 8 years period (author's transl)] Hepp W. **Zentralbl Chir** 1981;106(12):801–14 **(Ger)**

[Substitution of traumatic defects of the great peripheral vessels without transplantation or prostheses (animal experiments) (author's transl)] Ilisarov GA, et al. **Zentralbl Chir** 1981;106(12):794–800 (Eng. Abstr.) **(Ger)**

[Thrombendarterectomy of the femoro—popliteal region for chronic occlusion (author's transl)] Wagemann W, et al. **Zentralbl Chir** 1981;106(20):1360–8 (Eng. Abstr.) **(Ger)**

[Successful use of the Gore-tex vascular prosthesis] Márkus B, et al. **Orv Hetil** 1981 Aug 30;122(35):2173–4 **(Hun)**

[Necessity of surgical therapy in lesions of the femoropopliteal artery tract] Jannelli FI, et al. **Minerva Chir** 1981 Nov 30;36(22):1477–81 (Eng. Abstr.) **(Ita)**

[Reconstruction of the deep femoral artery] Fossdal JE, et al. **Tidsskr Nor Laegeforen** 1981 Jun 10;101(16):990–2 (Eng. Abstr.) **(Nor)**

[Profundoplasty in patients with high surgical risk] Adamczyk R, et al. **Pol Tyg Lek** 1981 Oct 12; 36(41):1577–80 (Eng. Abstr.) **(Pol)**

[Case of extensive ischemic leg ulcer treated by vascular reconstruction] Lewandowski A, et al. **Przegl Dermatol** 1981 Jul–Aug;68(4):511–4 (Eng. Abstr.) **(Pol)**

[Revascularization of the lower extremities by femorotibial bypass with an autologous saphenous vein. Surgical technic and long-term results] Fonseca FP, et al. **AMB** 1981 Sep; 27(9):271–4 (Eng. Abstr.) **(Por)**

[Changes in male sexual function after aortofemoral bypass] Albers MT, et al. **Rev Hosp Clin Fac Med Sao Paulo** 1981 Aug;36(4):167–71 (Eng. Abstr.) **(Por)**

[Surgical treatment of thromboembolism in the acute period of myocardial infarct] Shevtosv BP, et al. **Kardiologiia** 1981 Oct;21(10):106–7 **(Rus)**

[Thrombendarterectomy with autovenous plastic repair of the common femoral artery in an acute myocardial infarct patient] Shilov AM, et al. **Kardiologiia** 1982 Apr; 22(4):103–5 **(Rus)**

[Femoro-popliteal shunting in arteriosclerotic occlusions of the arteries of the lower extremities] Kurguzov OP. **Sov Med** 1981;(6):96–100 **(Rus)**

[Hemodynamic changes in patients who have undergone reconstructive operations on the aortofemoral segment] Khnykina VI, et al. **Vestn Khir** 1982 Feb;128(2):60–3 **(Rus)**

[Use of the deep femoral artery in repeated reconstructive operations] Vakhidov VV, et al. **Vestn Khir** 1982 Mar; 128(3):76–81 (Eng. Abstr.) **(Rus)**

[Cross femoro-femoral shunting during erosive hemorrhage from the iliac artery] Vasiukov VA, et al. **Vestn Khir** 1981 Dec;127(12):87 **(Rus)**

[Restoration of the blood flow in the inferior mesenteric artery in reconstructive operations on the aortofemoral segment] Zigmantovich IuM, et al. **Vestn Khir** 1981 Nov; 127(11):49–50 (Eng. Abstr.) **(Rus)**

[Preparing a venous graft for femoropopliteal anastomosis] Celec J, et al. **Rozhl Chir** 1982 Jun;61(6):422–4 (Eng. Abstr.) **(Slo)**

[Profundoplasty: indications, technics and results in the surgical treatment of femoropopliteal occlusions] Lázaro Carrillo TF, et al. **Angiologia** 1981 Jul–Aug;33(4):216–30 (Eng. Abstr.) **(Spa)**

[Ureteral complications following an aorto-femoral by-pass. Presentation of a case of ureteral lesion with urinary extravasation] Tramoyeres Celma A, et al. **Arch Esp Urol** 1981 Jul–Aug;34(4):305–10 (Eng. Abstr.) **(Spa)**

[Reconstructive vascular surgery in femoropopliteal arteriosclerosis] Sonnenfeld T. **Lakartidningen** 1981 Oct 28; 78(44):3904–6 (Eng. Abstr.) **(Swe)**

TRANSPLANTATION

Femoropopliteal composite bypass grafts: current status. LaSalle AJ, et al. **Surgery** 1982 Jul;92(1):36–9

[Experimental study of vascular bundle transplantation to femoral head of young mongrel dog (author's transl)] Sakamoto H. **Nippon Seikeigeka Gakkai Zasshi** 1981 Jan; 55(1):59–69 (Eng. Abstr.) **(Jpn)**

[Comparative analysis of the biomechanical properties of human umbilical vein grafts and of the main major arteries] Pokrovskiĭ AV, et al. **Klin Khir** 1981 Jul;(7):15–7 **(Rus)**

[Plastic repair of a frontonasal anastomosis using a lyophilized artery] Pomukhina AN, et al. **Vestn Otorinolaringol** 1982 Jan–Feb;(1):67–8 **(Rus)**

FEMORAL FRACTURES

BLOOD

Increase in plasma calcitonin following femoral fracture in rats. Ekeland A, et al. **Acta Orthop Scand** 1981 Oct; 52(5):513–8

CLASSIFICATION

[Classification of fractures of the femur and its use in the A.O. index (author's transl)] Müller ME, et al. **Rev Chir Orthop** 1981;67(3):297–309 (Eng. Abstr.) **(Fre)**

COMPLICATIONS

Femur fracture and false aneurysm. Ahlgren SA, et al. **Acta Chir Scand** 1981;147(5):377–9

Fractures of the femoral shaft in children. The overgrowth phenomenon. Shapiro F. **Acta Orthop Scand** 1981 Dec; 52(6):649–55

Torsional deformities after fractures of the femoral shaft in childhood. A retrospective study, 27–32 years after trauma. Brouwer KJ. **Acta Orthop Scand [Suppl]** 1981;52(195):1–167

Femoral nerve block for fractured shaft of femur. Tondare AS, et al. **Can Anaesth Soc J** 1982 May;29(3):270–1

Femoral fractures in head-injuries adults. Garland DE, et al. **Clin Orthop** 1982 Jun;(166):219–25

Hypophosphatemic vitamin D refractory osteomalacia with bilateral femoral pseudofractures. Milgram JW, et al. **Clin Orthop** 1981 Oct;(160):78–85

Osteomyelitis after closed femoral fracture in a child. Sefton GK. **J R Coll Surg Edinb** 1982 Mar;27(2):113

MAS trousers improperly applied causing a compartment syndrome in lower-extremity trauma. Brotman S, et al. **J Trauma** 1982 Jul;22(7):598–9

[Posttraumatic growth disorders of the lower extremity] Jaster D. **Beitr Orthop Traumatol** 1981 Dec;28(12):649–55 (Eng. Abstr.) **(Ger)**

[Homolateral diaphyseal fractures of the femur and lower leg] Burini M, et al. **Arch Putti Chir Organi Mov** 1980; 30:281–91 (Eng. Abstr.) **(Ita)**

[Pseudotumoral hyperplastic bone callus in osteopsathyrosis (description of a case)] Laus M, et al. **Arch Putti Chir Organi Mov** 1981;31:271–5 **(Ita)**

[Review of 41 cases of homolateral and simultaneous fracture of the femur and tibia] Del Buono F, et al. **Chir Ital** 1981 Oct;33(5 Suppl 1):10–3 **(Ita)**

[Post-traumatic myositis ossificans] Altieri E, et al. **Chir Organi Mov** 1981 May–Jun;66(3):415–20 (Eng. Abstr.) **(Ita)**

[Influence on bone growth of extra-epiphyseal fractures of the long bones in children] Baccarani G, et al. **Chir Organi Mov** 1979 Jul–Aug;65(4):483–9 (Eng. Abstr.) **(Ita)**

[Errors and complications in treating diaphyseal femoral fractures using Ilizarov's apparatus on patients over 60] Shved SI. **Vestn Khir** 1982 May;128(5):120–4 **(Rus)**

[Management of multiple bone fractures] Rusakov AB. **Voen Med Zh** 1982 Feb;(2):48–9 **(Rus)**

DIAGNOSIS

Simultaneous osteochondral avulsion of the femoral and tibial insertions of the anterior cruciate ligament. Report of a case in a thirteen-year-old boy. Robinson SC, et al. **J Bone Joint Surg [Am]** 1981 Oct;63A(8):1342–3

DRUG THERAPY

Effects of 1,24 dihydroxyvitamin D3 and calcitonin on fracture healing in adult rats. Lindgren JU, et al. **Clin Orthop** 1981 Oct;(160):304–8

Bone cell activities and calcium-regulating hormones. Mizuno K, et al. **Kobe J Med Sci** 1981 Dec;27(6):251–61

[Calcitonin in orthopedics and traumatology] Calistri A. **Clin Ter** 1982 Mar 31;100(6):613–9 **(Ita)**

ETIOLOGY

Neonatal fracture and cesarean section [letter] Kellner KR. **Am J Dis Child** 1982 Sep;136(9):865

Bilateral femoral and tibial shaft stress fractures in a runner. Blatz DJ. **Am J Sports Med** 1981 Sep–Oct;9(5):322–5

Lead poisoning after a shotgun femoral fracture. Alho A, et al. **Ann Chir Gynaecol** 1982;71(2):130–2

The significance of femoral fractures in children. Anderson WA. **Ann Emerg Med** 1982 Apr;11(4):174–7

Lower extremity fractures after spinal cord injury: a retrospective study. Ragnarsson KT, et al. **Arch Phys Med Rehabil** 1981 Sep;62(9):418–23

Ipsilateral supracondylar femur fractures following knee arthroplasty. Short WH, et al. **Clin Orthop** 1981 Jul–Aug; (158):111–6

Fatigue fractures of Thompson prostheses. A clinical and biomechanical study of revision procedures. Wood M, et al. **Clin Orthop** 1982 Mar;(163):127–33

Femoral expansion in aging women. Implications for osteoporosis and fractures. Smith RW Jr, et al. **Henry Ford Hosp Med J** 1980;28(2–3):168–70

Case report 192. Neonatal fractures mimicking abuse secondary to physical therapy. Pickett WJ 3d, et al. **Skeletal Radiol** 1982;8(1):85–6

[Pathologic fractures after arthroplasty (author's transl)] Gächter A. **Orthopade** 1982 Apr;11(2):67–71 **(Ger)**

[Multiple pathologic fractures in osteogenesis imperfecta (author's transl)] Gerber BE, et al. **Orthopade** 1982 May; 11(3):101–8 **(Ger)**

[Periprosthetic fractures after total replacement of knee joint (author's transl)] Grob D, et al. **Orthopade** 1982 May; 11(3):109–17 **(Ger)**

[Therapy-induced pathologic fractures (author's transl)] Kaelin A, et al. **Orthopade** 1982 Apr;11(2):47–52 **(Ger)**

[Fatigue fractures after femoral lengthening (author's transl)] Wagner H. **Orthopade** 1982 May;11(3):86–100 **(Ger)**

[Skeletal lesions caused by gunshot wounds: analysis of the damage as related to to the risk of infection] Rubinacci A, et al. **Chir Organi Mov** 1980 Jul–Aug;66(4):505–10 **(Ita)**

[Chronic purulent femoral osteitis diagnosed initially as a focus of Hodgkin's disease] Witwicki T, et al. **Wiad Lek** 1982 Apr 15;35(2):169–73 (Eng. Abstr.) **(Pol)**

[Indirect femoral fractures from the impact of a car bumper] Kozlov SN, et al. **Sud Med Ekspert** 1981 Oct–Dec; 24(4):13–5 **(Rus)**

METABOLISM

[Experimental nuclear medical examinations with the replacement of extended defects on the long bones (author's transl)] Sveshnikov AA, et al. **Radiol Diagn (Berl)** 1981; 22(6):823–31 (Eng. Abstr.) **(Ger)**

[Effect of potassium orotate on the metabolism of various vitamins in patients with long bone fractures] Kuzdenbaeva RS, et al. **Farmakol Toksikol** 1982 May–Jun;45(3):76–7 **(Rus)**

OCCURRENCE

Fractures of the proximal end of the femur in Göteborg, Sweden, 1940–1979. Zetterberg C, et al. **Acta Orthop Scand** 1982 Jun;53(3):419–26

Accuracy of hospital activity analysis data in estimating the incidence of proximal femoral fracture. Rees JL. **Br Med J [Clin Res]** 1982 Jun 19;284(6332):1856–7

Fractured femurs, falls and bone disorders. Cook PJ, et al. **J R Coll Physicians Lond** 1982 Jan;16(1):45–9

PATHOLOGY

Healing patterns of metaphyseal fractures. Uhthoff HK, et al. **Clin Orthop** 1981 Oct;(160):295–303

[A case of chronic myelogenous leukemia, whose blastic crisis occurred at the same time of the pathologic fracture of the right femur due to myeloblastoma (author's transl)] Ishiyama T, et al. **Rinsho Ketsueki** 1981 May;22(5):661–7 (Eng. Abstr.) **(Jpn)**

[Proliferative activity of the osteoblasts and changes in the osteoclast count after stimulation of cellular immunity] Askalonov AA, et al. **Ortop Travmatol Protez** 1981 Oct;(10):15–7 (Eng. Abstr.) **(Rus)**

[Distribution and dynamics of cambial elements of regenerated bone] Pankov Ela, et al. **Ortop Travmatol Protez** 1981 Oct;(10):12–4 **(Rus)**

PHYSIOPATHOLOGY

Mechanical properties of fractured and intact rat femora evaluated by bending, torsional and tensile tests. Ekeland A, et al. **Acta Orthop Scand** 1981 Dec;52(6):605–13

Influence of age on mechanical properties of healing fractures and intact bones in rats. Ekeland A, et al. **Acta Orthop Scand** 1982 Aug;53(4):527–34

Biomechanics of pathologic fractures. Pugh J, et al. **Clin Orthop** 1982 Sep;(169):109–14

[The influence of cyclophosphamide upon the healing of fractures in the rabbit (author's transl)] Langendorff HU, et al. **Unfallchirurgie** 1981 Oct;7(5):231–5 (Eng. Abstr.) **(Ger)**

RADIOGRAPHY

Avulsion injuries of the pelvis and proximal femur. Fernbach SK, et al. **AJR** 1981 Sep;137(3):581–4

Radiological case of the month. Neonatal fracture of the femur: iatrogenic? Clarke TA, et al. **Am J Dis Child** 1982 Jan;136(1):69–70

Computed tomography of stress fractures. Somer K, et al. **J Comput Assist Tomogr** 1982 Feb;6(1):109–15

Stress fractures in runners. Daffner RH, et al. **JAMA** 1982 Feb 19;247(7):1039–41

Pseudofractures in the absence of osteomalacia. Perry HM 3d, et al. **Skeletal Radiol** 1982;8(1):17–9

SURGERY

Femoral shaft fractures in children: the effect of initial shortening on subsequent limb overgrowth. Kohan L, et al. **Aust NZ J Surg** 1982 Apr;52(2):141–4

The pathology and treatment of metastatic disease of the femur. Habermann ET, et al. **Clin Orthop** 1982 Sep;(169):70–82

Storage of an autogenous cortical bone graft in a subcutaneous pouch with subsequent transplantation. Harper MC. **Clin Orthop** 1982 Mar;(163):113–9

Evaluation of the Zickel supracondylar fixation device. Joseph FR. **Clin Orthop** 1982 Sep;(169):190–6

Internal fixation of the femur in patients with osteogenesis imperfecta. Rodriguez RP, et al. **Clin Orthop** 1981 Sep;(159):126–33

Closed Küntscher nailing: a clinical review after 20 years. Esser MP, et al. **Injury** 1982 May;13(6):455–9

A method for providing pain relief for patients with femoral shaft fractures [letter] Grossbard GD, et al. **Injury** 1981 Sep;13(2):173–4

Traumatic dislocation of the hip with ipsilateral femoral shaft fracture: a method of treatment. Harper MC. **Injury** 1982 Mar;13(5):391–4

The migration of femoral Küntscher nails: a clinical study. Hunter SG. **Injury** 1982 May;13(6):460–3

Ender's nails in femoral shaft fractures. Muckle DS, et al. **Injury** 1982 Jan;13(4):287–91

The treatment of femoral shaft fractures by closed Küntscher nailing (without reaming). Ong LB, et al. **Injury** 1981 May;12(6):466–70

The knee after midshaft femoral fracture treatment: a comparison of three methods. Rowntree M, et al. **Injury** 1981 Sep;13(2):125–30

Management of fissure fractures in Paget's disease. Redden JF, et al. **Int Orthop** 1981;5(2):103–6

Osteosynthesis of closed femoral shaft fractures by plate fixation: indications and results. Pecorelli F, et al. **Ital J Orthop Traumatol** 1981 Apr;7(1):49–59

Closed intramedullary nailing of the femur with a Kuntscher nail. Weber MJ. **J Arkansas Med Soc** 1982 Apr;78(11):455–8

Supracondylar–intercondylar fractures of the femur treated with a supracondylar plate and lag screw. Giles JB, et al. **J Bone Joint Surg [Am]** 1982 Jul;64(6):864–70

Closed intramedullary nailing of femoral shaft fractures [letter] Harper MC. **J Bone Joint Surg [Am]** 1982 Mar;64(3):474

Closed intramedullary nailing of femoral shaft fractures. A review of one hundred and twelve cases treated by the Küntscher technique. King KF, et al. **J Bone Joint Surg [Am]** 1981 Oct;63A(8):1319–23

Surgical treatment of displaced, comminuted fractures of the distal end of the femur. Mize RD, et al. **J Bone Joint Surg [Am]** 1982 Jul;64(6):871–9

Rush-pin fixation of supracondylar and intercondylar fractures of the femur. Shelbourne KD, et al. **J Bone Joint Surg [Am]** 1982 Feb;64(2):161–9

The treatment of fractions of the shaft of the femur using nylon cerclage. Partridge AJ, et al. **J Bone Joint Surg [Br]** 1982;64(2):210–4

Closed Küntscher nailing for comminuted femoral shaft fractures. Rothwell AG. **J Bone Joint Surg [Br]** 1982;64(1):12–6

Closed intramedullary nailing of the femur. Bryngelson J, et al. **J Okla State Med Assoc** 1981 Mar;74(3):75–9

The use of modified Neufeld traction in the management of femoral fractures in polytrauma. Browner BD, et al. **J Trauma** 1981 Sep;21(9):779–87

Endoprosthetic replacement of unstable, comminuted intertrochanteric fracture of the femur in the elderly, osteoporotic patient. Pho RW, et al. **J Trauma** 1981 Sep;21(9):792–7

Comparison of open vs. closed rodding of femurs utilizing a Sampson rod. Whittaker RP, et al. **J Trauma** 1982 Jun;22(6):461–8

Distal femoral fractures, results of operative treatment. van der Werken C, et al. **Neth J Surg** 1981 Dec;33(5):230–6

Fractures of the femoral shaft: a prospective study of closed intramedullary nailing, modified open intramedullary nailing, and cast–bracing. St Pierre RK, et al. **South Med J** 1982 Jul;75(7):827–35

Closed vs open nailing in the treatment of femoral shaft fractures. Shih JS, et al. **Taiwan I Hsueh Hui Tsa Chih** 1981 Jul;80(7):732–9

[Treatment of femoral fracture using a self-made fixation-traction device: report of 300 cases (author's transl)] Wang JF. **Chung Hua Wai Ko Tsa Chih** 1981 Dec;19(12):735–7 (Eng. Abstr.) **(Chi)**

[The Judet screw-plate in the surgical treatment of fractures and pseudarthroses of the extremities of the femur based upon 96 cases. Experimental biomechanical study and clinical results (author's transl)] Yugue D. **Chirurgie** 1981;107(9):692–700 (Eng. Abstr.) **(Fre)**

[The treatment of comminuted fractures of the femoral shaft (author's transl)] Geneste R, et al. **Rev Chir Orthop** 1981;67(3):311–8 (Eng. Abstr.) **(Fre)**

[A review of 86 fractures of the lower end of the femur treated by internal fixation using A.O. blade-plates (author's transl)] Vives P, et al. **Rev Chir Orthop** 1981;67(4):451–9 (Eng. Abstr.) **(Fre)**

[The Ender nails in trochanteric fractures in elderly subjects] Bonnel F, et al. **Tunis Med** 1981 Sep–Oct;59(5):345–50 (Eng. Abstr.) **(Fre)**

[Possibilities of application of the fixateur externe at the femur – indications, results (author's transl)] Hofmann G, et al. **Aktuel Traumatol** 1982 Apr;12(2):62–8 (Eng. Abstr.) **(Ger)**

[The fixateur-externe-osteosynthesis without osseous support (external distance-osteosynthesis) in the lower limbs. Biomechanic, surgical and osteoplastic basic principles (author's transl)] Müller KH, et al. **Arch Orthop Trauma Surg** 1981;99(2):117–30 (Eng. Abstr.) **(Ger)**

[Early results of surgically treated proximal femur fractures] Garlipp M, et al. **Beitr Orthop Traumatol** 1981 Jan;28(1):31–5 (Eng. Abstr.) **(Ger)**

[Results of the operative treatment of fractures of the shaft of the femur– collective study contributed by the German Democratic Republic to the International Orthopedic Association] Wawro W, et al. **Beitr Orthop Traumatol** 1981 Jan;28(1):18–24 (Eng. Abstr.) **(Ger)**

[Prevention of complications in the spring nailing according to Ender and Simon-Weidner] Neugebauer W, et al. **Chirurg** 1981 Nov;52(11):728–31 (Eng. Abstr.) **(Ger)**

[Küntscher's intramedullary nailing. An alternative method in the treatment of femoral fractures close to the knee joint in the aged] Zimmermann HG. **Chirurg** 1981 Aug;52(8):535–7 (Eng. Abstr.) **(Ger)**

[Principles of fracture treatment. 1. Lower extremities, 1. The femur] von Gumppenberg S, et al. **Fortschr Med** 1982 May 20;100(19):898–903 **(Ger)**

[Early results of valgus osteotomy in treatment of unstable intertrochanteric fractures of the femur (author's transl)] Mischkowsky T, et al. **Langenbecks Arch Chir** 1982;357(1):1–9 (Eng. Abstr.) **(Ger)**

[Results of operative treatment of femur fractures in polytraumatized children (author's transl)] Mischkowsky T, et al. **Langenbecks Arch Chir** 1981;354(3):195–8 (Eng. Abstr.) **(Ger)**

[Changes of bone-perfusion in osteosynthesis of the femur with a marrow-nail (author's transl)] Kunze KG, et al. **Unfallchirurgie** 1981 Aug;7(4):185–90 (Eng. Abstr.) **(Ger)**

[Special osteosynthesis-techniques for use on traumatic bone fractures in the region of hip and knee endoprostheses (author's transl)] Ritter G, et al. **Unfallchirurgie** 1982 Feb;8(1):27–32 (Eng. Abstr.) **(Ger)**

[Stabilization of subtrochanteric fractures of the femur by Ender's pins and cerclage wires (author's transl)] Schwarz N. **Unfallheilkunde** 1982 Jun;85(6):244–9 (Eng. Abstr.) **(Ger)**

[Infected pseudoarthroses of the femur: basic treatment and results (author's transl)] Weise K, et al. **Unfallheilkunde** 1982 Apr;85(4):163–70 (Eng. Abstr.) **(Ger)**

[The problem of prevention of secondary pathological fractures] Rahn G, et al. **Z Arztl Fortbild (Jena)** 1981 Sep 15;75(18):851–3 **(Ger)**

[Critical evaluation of Ender's method of bone nailing] Spirig P. **Z Unfallmed Berufskr** 1981;74(1–2):97–101 **(Ger)**

[Equilateral fractures of the femoral neck and shaft. Interlocking nailing (author's transl)] Ansorge D. **Zentralbl Chir** 1982;107(9):515–21 **(Ger)**

[Restoration of a posttraumatic osteitic cavity with pedicled M. sartorius] Zeidler G. **Zentralbl Chir** 1982;107(1):42–5 **(Ger)**

[Evaluation of the use of the Ender nail in 700 cases of pertrochanteric fractures] Deák F, et al. **Magy Traumatol Orthop Helyreallito Sebesz** 1982;25(2):87–90 (Eng. Abstr.) **(Hun)**

[Bilateral trochanteric fractures (author's transl)] Jancsár L, et al. **Magy Traumatol Orthop Helyreallito Sebesz** 1981;24(3):171–6 **(Hun)**

[Surgical treatment of fractures of the upper third of the femur in aged patients: statistical findings] Rinaldi E, et al. **Acta Biomed Ateneo Parmense** 1981;52(6):229–36 **(Ita)**

[Atypical applications of osteosynthesis with Ender nails] Boccanera L, et al. **Arch Putti Chir Organi Mov** 1981;31:401–11 **(Ita)**

[Intramedullary nailing intreatment of plurifragmented fractures of the femoral diaphysis] Delcogliano A, et al. **Arch Putti Chir Organi Mov** 1980;30:209–16 **(Ita)**

[Possibilities of surgical treatment of pathological fractures in Paget's disease] De Palma L. **Arch Putti Chir Organi Mov** 1980;30:273–9 (Eng. Abstr.) **(Ita)**

[Therapy of complex and comminuted fractures of the distal 3d of the femur] Sanguinetti C, et al. **Arch Putti Chir Organi Mov** 1981;31:343–53 (Eng. Abstr.) **(Ita)**

[Functional rehabilitation in osteosynthesis of the femur] Pescatori E, et al. **Chir Ital** 1982 Jun;34(3):455–60 **(Ita)**

[Axial external fixation device] De Bastiani G, et al. **Chir Organi Mov** 1979 May–Jun;65(3):287–93 **(Ita)**

[Compression osteosynthesis in diaphyseal fractures of the femur and tibia] Greco B, et al. **Chir Organi Mov** 1979 Jul–Aug;65(4):429–35 (Eng. Abstr.) **(Ita)**

[Treatment of torpid and traumatic fractures in rheumatoid arthritis] Pisano F, et al. **Chir Organi Mov** 1981;66(2):197–201 **(Ita)**

[Compressing Kuntscher nail in femoral fractures] Vicenzi G. **Chir Organi Mov** 1980 Jul–Aug;66(4):523–6 (Eng. Abstr.) **(Ita)**

[Treatment of femoral fractures with 2 intramedullary nails] Mielnik Z, et al. **Chir Narzadow Ruchu Ortop Pol** 1981;46(5):469–71 (Eng. Abstr.) **(Pol)**

[Functional treatment of epimetaphyseal fractures of the tubular bones] Edinak AN. **Ortop Travmatol Protez** 1981 Jul;(7):52–4 **(Rus)**

[Surgical treatment of diaphyseal femoral fractures] Reshetnikov AA, et al. **Ortop Travmatol Protez** 1981 Jul;(7):10–3 (Eng. Abstr.) **(Rus)**

[Treatment of open and gunshot diaphyseal fractures of the bones of the leg] Trubnikov VF, et al. **Ortop Travmatol Protez** 1982 Apr;(4):5–8 **(Rus)**

[Single-step osteosynthesis with metal pins of crural and femoral fractures] Suvalian AG, et al. **Sov Med** 1981;(12):96–7 **(Rus)**

[Errors and complications of the treatment of closed diaphyseal and metaphyseal fractures] Lukin AV. **Vestn Khir** 1981 Sep;127(9):121–6 (Eng. Abstr.) **(Rus)**

[Primary surgical treatment of open fractures of the femur] Tkachenko SS, et al. **Voen Med Zh** 1982 Apr;(4):23–6 **(Rus)**

[Twenty-five years of experience with surgical treatment of fractures of the proximal part of the femur (author's transl)] Kováč M, et al. **Acta Chir Orthop Traumatol Cech** 1981 Jun;48(3):251–6 (Eng. Abstr.) **(Slo)**

[Results of surgical treatment of diaphyseal fractures of the femur in children] Kirňák J, et al. **Rozhl Chir** 1981 Oct;60(10):661–4 (Eng. Abstr.) **(Slo)**

THERAPY

Treatment of proximal-third femur fractures with pins and thigh plaster. Garland DE, et al. **Clin Orthop** 1981 Oct;(160):86–93

Shortening and angulation of femoral shaft fractures treated by cast brace application and early ambulation. Hardy AE. **Clin Orthop** 1982 Aug;(168):139–43

Ischemic complications of femoral cast-bracing: report of two cases. Linson MA, et al. **Clin Orthop** 1982 Jan–Feb;(162):189–90

The cleavage intercondylar fracture of the femur. Pogrund H, et al. **Clin Orthop** 1981 Oct;(160):74–7

Experience with the use of a Vitrathene brace in the treatment of femoral shaft fractures. Colley JD, et al. **Injury** 1981 Jul;13(1):42–50

Closed femoral fractures: why not simple traction? Moulton A, et al. **Injury** 1981 Nov;13(3):244–8

Treatment of fractures of the femoral shaft with early cast bracing. Suman RK. **Injury** 1981 Nov;13(3):239–43

Fracture of the ipsilateral femur in patients with total hip replacement. Johannsson JE, et al.

J Bone Joint Surg [Am] 1981 Dec;63-A(9):1435-42

Fracture of the femur in the Duchenne muscular dystrophy patient. Hsu JD, et al. **J Pediatr Orthop** 1981;1(2):203-7

Femoral shaft fractures in adolescents: a comparison between traction plus cast treatment and closed intramedullary nailing. Kirby RM, et al. **J Pediatr Orthop** 1981;1(2):193-7

Cast bracing of femoral shaft fractures in children: a preliminary report. Scott J, et al. **J Pediatr Orthop** 1981; 1(2):199-201

The treatment of femoral shaft fractures using a cast brace. Pyper PC, et al. **Ulster Med J** 1981;50(2):113-9

[Causae mortis in injured persons with fractures of upper end of femur (author's transl)] Franz J, et al. **Sb Lek** 1982 Feb;84(2):47-53 (Eng. Abstr.) **(Cze)**

[Treatment of pseudoarthrosis by electromagnetic stimulation] Hinsenkamp MG. **Rev Med Brux** 1982 Jan; 3(1):19-28 (Eng. Abstr.) **(Fre)**

[Experimental fundamental of secondary osteosynthesis (author's transl)] Konold P, et al. **Aktuel Traumatol** 1980 Oct;10(5):255-61 (Eng. Abstr.) **(Ger)**

[Load-stable osteosyntheses in pertrochanteric fractures of the femur (author's transl)] Rothschenk H, et al. **Aktuel Traumatol** 1981 Aug;11(4):141-7 (Eng. Abstr.) **(Ger)**

[Treatment of unstable intertrochanteric fractures of the femur by valgus osteosynthesis: biomechanical considerations, experimental studies and clinical applications] Mischkowsky T. **Fortschr Med** 1980 Dec 11; 98(46):1833-6 (Eng. Abstr.) **(Ger)**

[Follow-up study of femoral shaft fractures in children (author's transl)] Schedl R, et al. **Unfallchirurgie** 1981 Oct; 7(5):249-55 (Eng. Abstr.) **(Ger)**

[Experimental examinations and clinical experiences with defect-osteosynthesis of the femur using a plate and neutralizing bracket fixator (author's transl)] Müller KH, et al. **Unfallheilkunde** 1982 Mar;85(3):95-110 (Eng. Abstr.) **(Ger)**

[Results of follow-up studies on femur fractures in childhood with special reference to femur torsion in relation to conservative types of therapy] Sattel W, et al. **Zentralbl Chir** 1982;107(3):172-4 **(Ger)**

[The surgical treatment of fractures of the femoral shaft] Glötzer W, et al. **ZFA (Stuttgart)** 1981 Oct 10;57(28):1880-4 **(Ger)**

[Surgical treatment of subtrochanteric femoral fractures] Lang T, et al. **ZFA (Stuttgart)** 1981 Oct 10;57(28):1885-91 **(Ger)**

[Treatment of diaphyseal fractures of the femur in children] Mukhamedov O, et al. **Ortop Travmatol Protez** 1982 Apr; (4):41-2 **(Rus)**

[Electric stimulation of bone regeneration in the treatment of gunshot fractures] Rutskiĭ VV, et al. **Ortop Travmatol Protez** 1981 Oct;(10):8-11 (Eng. Abstr.) **(Rus)**

VETERINARY

Femoral fractures in pigs associated with calcium deficiency. Rousseaux CG, et al. **Aust Vet J** 1981 Nov;57(11):508-10

Comparison of methods for femoral fracture repair in young calves. Ames NK. **J Am Vet Med Assoc** 1981 Sep 1; 179(5):458-9

FEMORAL HEAD PROSTHESIS see **HIP PROSTHESIS**

FEMORAL HERNIA see **HERNIA, FEMORAL**

FEMORAL NECK FRACTURES

Fractures of the neck of the femur in children. Ratliff AH. **Hip** 1981;:188-218

COMPLICATIONS

Vitality of the femoral head after femoral neck fracture evaluated by tetracycline labeling. Strömqvist B, et al. **Arch Orthop Trauma Surg** 1981;99(1):1-6

Early detection and classification of collapse of femoral head after transcervical fracture. Cai RB, et al. **Chin Med J [Engl]** 1982 Jan;95(1):25-30

Early prediction of avascular necrosis of the femoral head following femoral neck fractures. Lucie RS, et al. **Clin Orthop** 1981 Nov-Dec;(161):207-14

Traumatic posterior dislocation of hip joint with a fracture of the head and neck of the femur on the same side: a case report. Fernandes A. **Injury** 1981 May;12(6):487-90

Subcapital fracture of neck of femur with complete posterior dislocation of the hip. Meller Y, et al. **J Trauma** 1982 Apr; 22(4):327-9

[Necrosis of the head of the femur as a complication of the medial fracture of the neck of the femur (author's transl)] Pelzl H. **Unfallchirurgie** 1982 Apr;8(2):105-11 (Eng. Abstr.) **(Ger)**

[Can the late consequences of a median femoral neck fracture be predicted?] Machan FG. **Z Arztl Fortbild (Jena)** 1981 Apr 1;75(7):309-11 **(Ger)**

[Experiences with anticoagulant treatment in fractures of the proximal part of the femur (author's transl)] Kováč M, et al. **Acta Chir Orthop Traumatol Cech** 1981;48(6):549-53 (Eng. Abstr.) **(Slo)**

ETIOLOGY

Femoral neck fractures in young adults. Zetterberg CH, et al. **Acta Orthop Scand** 1982 Jun;53(3):427-35

Thyrotoxicosis presenting as fracture of femoral neck. Francis RM, et al. **Br Med J [Clin Res]** 1982 Jul 10; 285(6335):97-8

Fractured neck of the femur: the cause of the fall? Sloan J, et al. **Injury** 1981 Nov;13(3):230-2

Stress fracture of the hip as a complication of total knee replacement. Case report. Lesniewski PJ, et al. **J Bone Joint Surg [Am]** 1982 Feb;64(2):304-6

Spontaneous fractures of the femoral neck after total replacement of the knee. McElwaine JP, et al. **J Bone Joint Surg [Br]** 1982;64(3):323-5

Absence of metabolic bone disease in the proximal femur in patients with fracture of the femoral neck. Wicks M, et al. **J Bone Joint Surg [Br]** 1982;64(3):319-22

Bilateral femoral neck fractures as a result of coeliac disease. Rubinstein A, et al. **Postgrad Med J** 1982 Jan;58(675):61-2

[Fatigue fracture of both femoral necks ina 19-year-old woman (author's transl)] Naël JF, et al. **J Chir (Paris)** 1982 May;119(5):341-3 (Eng. Abstr.) **(Fre)**

[Bilateral femoral neck fractures following lumbar myelography] Hinzpeter T, et al. **ROFO** 1982 Mar; 136(3):348-9 **(Ger)**

[Bone changes in Gaucher's disease] Busanelli T, et al. **Chir Organi Mov** 1979 Nov-Dec;65(6):673-9 **(Ita)**

[A biomechanical study on the senile intracapsular fracture of the femoral neck--speculation concerning the fracture lines and etiological factors (author's transl)] Minamisawa I. **Nippon Seikeigeka Gakkai Zasshi** 1981 Feb;55(2):167-81 (Eng. Abstr.) **(Jpn)**

[Spontaneous fractures of the neck of the femur in osteoporosis due to repeated dialyses (author's transl)] Kováč M, et al. **Acta Chir Orthop Traumatol Cech** 1981; 48(6):554-6 (Eng. Abstr.) **(Slo)**

OCCURRENCE

Fracture of neck of the femur [letter] Baldwin JA. **Br Med J [Clin Res]** 1982 Jan 23;284(6311):271

Fracture of neck of the femur: changing incidence. Lewis AF. **Br Med J [Clin Res]** 1981 Nov 7;283(6301):1217-20

Humeral cortical thickness in female Bantu--its relationship to the incidence of femoral neck fracture. Bloom RA, et al. **Skeletal Radiol** 1982;8(1):59-62

[Fractures of the proximal end of the femur] Birkenhäger JC, et al. **Ned Tijdschr Geneeskd** 1982 May 22;126(21):962-3 **(Dut)**

[Data on 64,453 fractures of the proximal end of the femur (neck and trochanter area), 1967-1979] Hoogendoorn D. **Ned Tijdschr Geneeskd** 1982 May 22;126(21):963-8 (Eng. Abstr.) **(Dut)**

PATHOLOGY

Cortical and trabecular bone status in elderly women with femoral neck fracture. Horsman A, et al. **Clin Orthop** 1982 Jun;(166):143-51

[Biochemical and morphological changes in the femur head in femoral neck fractures after radiotherapy and in old age] Król R, et al. **Chir Narzadow Ruchu Ortop Pol** 1981; 46(1):27-30 (Eng. Abstr.) **(Pol)**

PHYSIOPATHOLOGY

Cardiovascular and neurological function in elderly patients sustaining a fracture of the neck of the femur. Ceder L, et al. **J Bone Joint Surg [Br]** 1981;63B(4):560-6

RADIOGRAPHY

Stress fractures of the femoral neck in joggers: case reports and review of the literature. Hajek MR, et al. **Am J Sports Med** 1982 Mar-Apr;10(2):112-6

Subcapital fracture of neck of femur with complete posterior dislocation of the hip. Meller Y, et al. **J Trauma** 1982 Apr; 22(4):327-9

Pseudofractures in the absence of osteomalacia. Perry HM 3d, et al. **Skeletal Radiol** 1982;8(1):17-9

Pseudopathologic fracture of the femoral neck. Pope TL Jr, et al. **Skeletal Radiol** 1981;7(2):129-30

[Osteoporosis-induced fractures in Sudeck's dystrophy] Zingher E, et al. **Z Unfallmed Berufskr** 1982;75(2):103-14 **(Ger)**

RADIONUCLIDE IMAGING

Determination of bone blood supply with Tc-99m red blood cells and In-113m transferrin in fractures of femoral neck: concise communication. Kempi V, et al. **J Nucl Med** 1982 May;23(5):400-3

Stress fractures of the femoral neck: a scintigraphic sign for early diagnosis. El-Khoury GY, et al. **Skeletal Radiol** 1981; 6(4):271-3

REHABILITATION

[Impacted subcapital fractures of the femoral neck] Christensen J, et al. **Ugeskr Laeger** 1982 Apr 26; 144(17):1223-4 (Eng. Abstr.) **(Dan)**

SURGERY

Treatment of displaced fractures of the femoral neck. Smith-Petersen osteosynthesis versus sliding-nail-plate osteosynthesis. Frandsen PA, et al. **Acta Orthop Scand** 1981 Oct;52(5):547-52

Prophylaxis of deep vein thrombosis in patients with fracture of the femoral neck: a prospective comparison between dextran and a sulphated polysaccharide. Fredin HO, et al. **Acta Orthop Scand** 1982 Jun;53(3):413-7

Methods for assessing fixation and residual angulation in intracapsular hip fractures. Thorling J, et al. **Acta Radiol [Diagn] (Stockh)** 1981;22(4):441-7

Thiamine and the elderly orthopaedic patient. Older MW, et al. **Age Ageing** 1982 May;11(2):101-7

Spinal anaesthesia or general anaesthesia for emergency hip surgery in elderly patients. Davis FM, et al. **Anaesth Intensive Care** 1981 Nov;9(4):352-8

Doxapram and the fractured femur. Owen H, et al. **Anaesthesia** 1982 Mar;37(3):301-4

A modified posterior approach for Moore arthroplasty of the hip - a preliminary report. Teh PH, et al. **Ann Acad Med Singapore** 1981 Apr;10(2):187-9

The treatment of femoral neck fractures with an isoelastic endoprosthesis implanted without bone cement. Morscher E, et al. **Arch Orthop Trauma Surg** 1981;98(2):93-100

The bending stability of cemented femoral neck osteotomies. An experimental study. Reigstad A. **Arch Orthop Trauma Surg** 1981;98(4):301-4

Fibular bone grafting for non union of fracture of the neck of the femur. Dooley BJ, et al. **Aust NZ J Surg** 1982 Apr; 52(2):134-40

Use of the Giliberty bipolar endoprosthesis in femoral neck fractures. Bhuller GS. **Clin Orthop** 1982 Jan-Feb; (162):165-9

Should we abandon primary prosthetic replacement for fresh displaced fractures of the neck of the femur? [letter] Hunter GA. **Clin Orthop** 1981 Jul-Aug;(158):278

Primary endoprosthetic replacement for acute femoral neck fractures. A review of 150 cases. Johnston CE, et al. **Clin Orthop** 1982 Jul;(167):123-30

Prosthetic replacement in hip fractures: a comparison between the Moore and Christiansen endoprostheses. Meyer S. **Clin Orthop** 1981 Oct;(160):57-62

Treatment of femoral neck fractures with the sliding compression screw. Rau FD, et al. **Clin Orthop** 1982 Mar; (163):137-40

Ipsilateral fractures of the femoral neck and shaft. Zettas JP, et al. **Clin Orthop** 1981 Oct;(160):63-73

Six-screw Susie: a tale of two fractures. Apley AG. **Injury** 1981 Jul;13(1):51-2

Primary total hip replacement for displaced subcapital femoral fractures. Cartlidge IJ. **Injury** 1981 Nov; 13(3):249-53

Hip replacement following fracture of the femoral neck [letter] Fowler AW. **Injury** 1981 May;12(6):513

Cementing v. not cementing the Monk endoprosthesis. Lausten GS, et al. **Injury** 1982 May;13(6):484-8

The Monk hard-top endoprosthesis for intracapsular fractures of the femoral neck. Lausten GS, et al. **Injury** 1981 Nov;13(3):233-8

Knowles pinning of experimental femoral neck fractures: biomechanical study. Rubin R, et al. **J Trauma** 1981 Dec; 21(12):1036-9

[Prosthetic replacement for femoral neck fractures (author's transl)] Rong GW. **Chung Hua Wai Ko Tsa Chih** 1980 Apr; 18(2):112-5 **(Chi)**

[Long term results with the ILF Pavlanský cervico-capital endoprosthesis] Pavlanský R, et al. **Acta Chir Orthop Traumatol Cech** 1982 Feb;49(1):7-20 (Eng. Abstr.) **(Cze)**

[The intermediate SEM prosthesis for fractures of the femoral neck] Lortat-Jacob A, et al. **Acta Orthop Belg** 1982 Mar-Apr;48(2):320-34 **(Fre)**

[Femoral neck fractures in children. About 14 cases (author's transl)] Chrestian P, et al. **Chir Pediatr** 1981;22(6):397-403 (Eng. Abstr.) **(Fre)**

[Results of stabilisation in pathologic fractures in the femoral shaft region by nailing (author's transl)] Langendorff HU, et al. **Aktuel Traumatol** 1980 Oct;10(5):287-91 (Eng. Abstr.) **(Ger)**

[The lag screw fixation of medial femoral neck fractures (author's transl)] Schwarz N. **Arch Orthop Trauma Surg** 1981;98(2):127-33 (Eng. Abstr.) **(Ger)**

[Treatment of medial fractures of the femoral neck by prosthetic replacement of the femoral head] Clausner A, et al. **Beitr Orthop Traumatol** 1981 Jan;28(1):36-42 (Eng. Abstr.) **(Ger)**

[Endernailing of the hip joint near femoral fractures--treatment and results] Heisel J, et al. **Beitr Orthop Traumatol** 1982 Mar;29(3):146-52 (Eng. Abstr.) **(Ger)**

[Prevention of complications in the spring nailing according to Ender and Simon-Weidner] Neugebauer W, et al. **Chirurg** 1981 Nov;52(11):728-31 (Eng. Abstr.) **(Ger)**

[The influence of primary closed reduction on the incidence of posttraumatic femoral head necrosis (author's transl)] Hertz H, et al. **Unfallchirurgie** 1982 Feb;8(1):41-7 (Eng. Abstr.) **(Ger)**

[Long-term results of compression-osteosynthesis with three AO-screws for spongiosa in fractures of the femur-neck (author's transl)] Penschuck C, et al. **Unfallchirurgie** 1982 Feb;8(1):33-40 (Eng. Abstr.) **(Ger)**

[Biomechanical examination of stress distribution in the femoral neck for varus-implanted and valgus-implanted cups (author's transl)] Gerngross H, et al. **Z Orthop** 1981 Aug;119(4):393-7 (Eng. Abstr.) **(Ger)**

[Biomechanical examination of stress distribution in the

femoral neck for varus-implanted and valgus-implanted cups (author's transl)] Jacob HA. **Z Orthop** 1981 Aug; 119(4):398–402 (Eng. Abstr.) **(Ger)**

[Our experience with the Monk-'soft-top'-endoprosthesis (author's transl)] Osterwalder M. **Z Orthop** 1981 Oct; 119(5):512–5 (Eng. Abstr.) **(Ger)**

[Equilateral fractures of the femoral neck and shaft. Interlocking nailing (author's transl)] Ansorge D. **Zentralbl Chir** 1982;107(9):515–21 **(Ger)**

[Surgical treatment of fractures of the upper third of the femur in aged patients: statistical findings] Rinaldi E, et al. **Acta Biomed Ateneo Parmense** 1981;52(6):229–36 **(Ita)**

[Femoral neck fractures in young adults (review of 29 cases)] Cerulli G, et al. **Arch Putti Chir Organi Mov** 1981;31:383–8 (Eng. Abstr.) **(Ita)**

[Critical study of the McLaughlin bone plate. Clinical experiences and prospects] Delcogliano A, et al. **Arch Putti Chir Organi Mov** 1980;30:267–71 **(Ita)**

[Fractures of the femur neck treated with the moore prosthesis. Clinical review and radiographic considerations] Di Muria GV, et al. **Arch Putti Chir Organi Mov** 1980; 30:199–207 (Eng. Abstr.) **(Ita)**

[Personal experience in the treatment of lateral fractures of the femur neck with Ender's nails] Soliman A, et al. **Chir Organi Mov** 1981;66(5):393–9 (Eng. Abstr.) **(Ita)**

[Management of inner femoral neck fractures, with special reference to internal fixation method] Miyagi S. **Nippon Seikeigeka Gakkai Zasshi** 1982 Jan;56(1):59–70 **(Jpn)**

[Treatment of femoral neck fractures by double internal fracture fixation] Kleczyński S, et al. **Chir Narzadow Ruchu Ortop Pol** 1981;46(5):465–8 **(Pol)**

[Treatment of femoral neck fractures in patients with diabetes] Serwach M, et al. **Wiad Lek** 1981 Sep 15; 34(18):1539–44 (30 ref.) (Eng. Abstr.) **(Pol)**

[Use of prolonged peridural anesthesia during surgery in aged and elderly patients with fractures of the proximal femur] Fishkin VI, et al. **Ortop Travmatol Protez** 1982 Mar;(3):40–1 **(Rus)**

[Biomechanical foundation of metal osteosynthesis with pins in femoral neck fractures] Goncharenko VA, et al. **Ortop Travmatol Protez** 1981 Dec;(12):42–4 (Eng. Abstr.) **(Rus)**

[The author's personal method of juxtaposition and osteosynthesis of femoral neck fragments] Khizhko II. **Ortop Travmatol Protez** 1981 Nov;(11):45–6 **(Rus)**

[Modification of Kriuk's operation in treating varus deformity of the femur neck in adults] Miller BS. **Ortop Travmatol Protez** 1982;(5):39–40 (Eng. Abstr.) **(Rus)**

[Hip endoprosthesis in fresh femoral neck fractures] Vasilev T, et al. **Ortop Travmatol Protez** 1982 Mar;(3):18–21 **(Rus)**

[Nailing of femoral neck fracture can cause vascular injury and segmental collapse] Strömqvist B, et al. **Lakartidningen** 1982 Feb 24;79(8):659–62 (Eng. Abstr.) **(Swe)**

THERAPY

[Femoral neck fractures: conservative or operative therapy in view of therapeutic results and rehabilitation] Famos M, et al. **Soz Praventivmed** 1982 Feb;27(1):33–7 (Eng. Abstr.) **(Ger)**

[Hip joint endoprosthesis from a traumatologic point of view] Bernhard J. **Z Arztl Fortbild (Jena)** 1981 Oct 1;75(19):897–9 **(Ger)**

[Management of inoperable femoral neck fractures in elderly patients] Górecki A, et al. **Chir Narzadow Ruchu Ortop Pol** 1981;46(2):97–101 **(Pol)**

FEMORAL NEOPLASMS

COMPLICATIONS

Giant cell tumor with viral-like intranuclear inclusions associated with Paget's disease. Mirra JM, et al. **Clin Orthop** 1981 Jul–Aug;(158):243–51

Hypophosphatemic rickets in an adolescent cured by excision of a nonossifying fibroma. Asnes RS, et al. **Clin Pediatr (Phila)** 1981 Oct;20(10):646–8

[Solitary osseous 'non-secreting' plasmacytoma associated with diffuse polyradiculoneuritis. Description of a case] Calderoni P, et al. **Chir Organi Mov** 1981;66(5):441–5 **(Ita)**

[Diagnosis of fever of unknown origin (paracancerous syndrome)] Finci L, et al. **Srp Arh Celok Lek** 1980 May; 108(5):527–34 **(Scc)**

DIAGNOSIS

Osteoid osteoma of the proximal femur simulating spinal root compression. Halperin N, et al. **Clin Orthop** 1982 Jan–Feb; (162):191–4

Osteosarcoma in early childhood. Levy ML, et al. **Pediatrics** 1982 Aug;70(2):302–3

[Diagnostic and therapeutic problems in a case of angiosarcoma] Opanov B, et al. **Khirurgiia (Sofiia)** 1981; 34(4):381–2 **(Bul)**

[Malignant fibrous histiocytoma. Report of a case] Cardona Vernet JM, et al. **Acta Orthop Belg** 1982 Mar–Apr; 48(2):424–30 **(Fre)**

[Primary hemangioendothelioma of the bone] De Santis E, et al. **Chir Organi Mov** 1981 May–Jun;66(3):331–7 (Eng. Abstr.) **(Ita)**

[Osteoid osteoma of the proximal portion of the femur in chiidren] Posternikova TT, et al. **Ortop Travmatol Protez** 1981 Apr;(4):57–62 (Eng. Abstr.) **(Rus)**

ETIOLOGY

Osteosarcoma arising in heterotopic ossification of dermatomyositis: case report and review of the literature. Eckardt JJ, et al. **Cancer** 1981 Sep 1;48(5):1256–61

[Osteogenic sarcoma secondary to radiotherapy] De Santis E, et al. **Arch Putti Chir Organi Mov** 1980;30:397–401 (Eng. Abstr.) **(Ita)**

METABOLISM

A comparison of collagen synthesis by different categories of human chondrosarcoma in organ culture. Miller DR, et al. **Clin Orthop** 1982 Aug;(168):252–7

MORTALITY

The prognosis in osteosarcoma. Larsson SE, et al. **Int Orthop** 1981;5(4):305–10

PATHOLOGY

Osteogenic sarcoma of the distal femur in a young child. Atik OS, et al. **Hum Pathol** 1982 Aug;13(8):766

Cardiac calcification from metastatic osteosarcoma. Romeo MA, et al. **J Can Assoc Radiol** 1982 Jun;33(2):113–5

Fibromyxoma of the femoral neck. Adler CP. **J Cancer Res Clin Oncol** 1981;101(2):183–9

Primary osteoliposarcoma of bone. Cremer H, et al. **J Cancer Res Clin Oncol** 1981;101(2):203–11

Atypical (dedifferentiated) chondrosarcoma or osteosarcoma with preponderant chondroblastic differentiation? Remagen W, et al. **J Cancer Res Clin Oncol** 1981; 101(2):177–82

Clear-cell chondrosarcoma. Salzer-Kuntschik M. **J Cancer Res Clin Oncol** 1981;101(2):171–6

Malignant fibrous histiocytoma arising in bone. Blount J, et al. **J Miss State Med Assoc** 1981 Jul;22(7):176–8

Primary malignant fibrous histiocytoma of bone. Maxted MJ, et al. **J R Coll Surg Edinb** 1982 May;27(3):187–8

Intra-osseous synovial sarcoma. Rose AG, et al. **S Afr Med J** 1982 May 1;61(18):673–4

[A patient with multiple intramuscular myxomas as an extra-osseous manifestation of fibrous dysplasia] Berkhoff WB, et al. **Ned Tijdschr Geneeskd** 1981 Sep 5; 125(36):1460–2 (Eng. Abstr.) **(Dut)**

RADIOGRAPHY

Benign cortical hyperostosis underlying soft-tissue tumors of the thigh. Rich PJ, et al. **AJR** 1982 Mar;138(3):419–22

Computed tomography in two cases of hemophilic pseudotumors. Kitchens CS. **Am J Hematol** 1982 May; 12(3):277–80

Computed tomography – guided removal of an osteoid osteoma: a case report. Levy JM, et al. **Cardiovasc Intervent Radiol** 1982;5(1):14–5

Appendicular skeletal tumours coined by odontogenic terms. Zídková H, et al. **ROFO** 1981 Oct;135(4):471–7

Case report 157. Clark CR, et al. **Skeletal Radiol** 1981; 6(4):286–9

Case report 160. Dahlin DC. **Skeletal Radiol** 1981;6(4):303–5

Case report 184: Mycotic aneurysm of the deep femoral artery causing bone resorption and production, simulating a primary bone neoplasm. Friedman AC, et al. **Skeletal Radiol** 1982 Jan;7(4):289–92

Intraosseous lipomas with reactive ossification in the proximal femur. Report of eight cases. Milgram JW. **Skeletal Radiol** 1981;7(1):1–13

Case report 168: chondrosarcomatous transformation in a cartilage-capped exostosis. Stoker DJ, et al. **Skeletal Radiol** 1981;7(2):135–8

[So-called 'multiple' osteogenic sarcoma in a child] Riebel T. **ROFO** 1981 Aug;135(2):241–3 **(Ger)**

[A rare case in the differential diagnosis of muscle strain: osteoid osteoma] Jenoure P, et al. **Schweiz Z Sportmed** 1980; 28(3):83–6 **(Ger)**

RADIONUCLIDE IMAGING

The distal femoral defect: technetium-99m pyrophosphate bone scan results. Burrows PE, et al. **J Can Assoc Radiol** 1982 Jun;33(2):91–3

SECONDARY

Osteoblastic metastasis of lymphoepithelioma simulating osteoid osteoma. A case history. Abedelwahab IF, et al. **Bull Hosp Joint Dis** 1981;41:63–8

The pathology and treatment of metastatic disease of the femur. Habermann ET, et al. **Clin Orthop** 1982 Sep; (169):70–82

Case report 185: metastasis to the femur from a bronchial carcinoid tumor. Johnson DG, et al. **Skeletal Radiol** 1982 Jan;7(4):293–5

Case report 179: Metastatic disease developing in Paget disease of bone in the distal end of femur. Kalinowski DT, et al. **Skeletal Radiol** 1981;7(3):229–31

SURGERY

Treatment of osteosarcomata of the distal femur by rotation-plasty. Salzer M, et al. **Arch Orthop Trauma Surg** 1981;99(2):131–6

Unconventional bone grafting in femoral neck reconstruction. Report of a case. Jiang HL, et al. **Chin Med J [Engl]** 1982 Mar;95(3):159–62

Resection and Zickel device fixation for metastatic tumor. Mickelson MR, et al. **Clin Orthop** 1982 Apr;(164):261–4

[The use of the B.A.S.K. total prosthesis for the reconstruction of the proximal femur after tumour excision (author's transl)] Meadeb P, et al. **Rev Chir Orthop** 1981; 67(7):655–8 (Eng. Abstr.) **(Fre)**

[Total hip replacement in a youth with chondroblastoma] Alkalai A, et al. **Harefuah** 1981 Jul;101(1–2):20–2 (Eng. Abstr.) **(Heb)**

[Special knee-joint prosthetic replacement in plasmacytoma of the distal femur] Cervellati C, et al. **Chir Organi Mov** 1981;66(5):439–40 **(Ita)**

[Malignant fibrohistiocytoma of the femur] Górecki A, et al. **Chir Narzadow Ruchu Ortop Pol** 1981;46(5):495–8 (Eng. Abstr.) **(Pol)**

[6-year follow-up of treatment of recurrent giant cell tumor by amputation and transplantation of the distal femur] Woźniewski A, et al. **Wiad Lek** 1981 May 15;34(10):853–8 (Eng. Abstr.) **(Pol)**

THERAPY

[Embolization of a hypernephroma metastasis] Penders L, et al. **Acta Urol Belg** 1981 Oct;49(4):428–43 (Eng. Abstr.) **(Fre)**

ULTRASTRUCTURE

Ultrastructural investigation of giant cell tumor of bone. Ye YQ, et al. **Chin Med J [Engl]** 1982 Jan;95(1):55–62

[Ultrastructural aspects of chondroblastoma of the skeleton] De Santis E, et al. **Arch Putti Chir Organi Mov** 1980; 30:79–88 (Eng. Abstr.) **(Ita)**

FEMORAL NERVE

Meralgia paresthetica and large abdomens [letter] Deal CL, et al. **Ann Intern Med** 1982 Jun;96(6 Pt 1):787–8

Neurilemoma of femoral nerve–a possible pitfall. Daar AS. **Br J Clin Pract** 1981 Jun;35(6):240–1

Femoral nerve block for fractured shaft of femur. Tondare AS, et al. **Can Anaesth Soc J** 1982 May;29(3):270–1

Femoral and obturator neuropathy secondary to retroperitoneal hemorrhage: the value of the CT scan. Lazaro RP, et al. **Comput Tomogr** 1981 Jul–Sep;5(3):221–4

Femoral neuropathy caused by an iliopsoas bursal cyst. Case report. Lavyne MH, et al. **J Neurosurg** 1982 Apr; 56(4):584–6

Computerized tomography and surgical treatment of femoral compression neuropathy. Report of two cases. Tysvaer AT. **J Neurosurg** 1982 Jul;57(1):137–9

Postpartum femoral neuropathy. Montag TW, et al. **J Reprod Med** 1981 Nov;26(11):563–6

Psoas weakness and femoral neuropathy: neglected signs of retroperitoneal hemorrhage from ruptured aneurysm. Owens ML. **Surgery** 1982 Mar;91(3):363–6

[Paralysis of the femoral nerve complicating ilio-psoas hemorrhage after iliac bone transplantation (author's transl)] Mestdagh H. **Sem Hop Paris** 1982 Mar 11; 58(10):621–4 (Eng. Abstr.) **(Fre)**

[Compression syndrome of the lateral femoral cutaneous nerve and the common peroneal nerve coincidental with diabetic polyneuropathy] Freising S. **Chirurg** 1982 Mar; 53(3):189–91 **(Ger)**

[Treatment of postsympathectomy lumbar pain by subcutaneous electrical nerve stimulation] Cacciatore E, et al. **Angiologia** 1982 Jan–Feb;34(1):34–7 **(Spa)**

INJURIES

Femoral nerve lesion secondary to inguinal herniorrhaphy. Pozzati E, et al. **Int Surg** 1982 Jan–Mar;67(1):85–6

Traumatic closed femoral nerve neuropathy. Brozin IH, et al. **J Trauma** 1982 Feb;22(2):158–60

[Injury of the femoral nerve as a complication of inguinal hernia] Osgaard O. **Ugeskr Laeger** 1981 May 4;143(19):1221 (Eng. Abstr.) **(Dan)**

[On the prevention of paresis of the femoral nerve following abdominal gynaecological operations (author's transl)] Schöndorf NK. **Geburtshilfe Frauenheilkd** 1982 Jan; 42(1):58–62 (Eng. Abstr.) **(Ger)**

[Bilateral femoral paralysis following laparotomy for gynecologic and non-gynecologic procedures. Pathogenetic hypotheses] Dell'Aria V. **Riv Neurobiol** 1980 Oct–Dec;26(4):472–5 **(Ita)**

PHYSIOLOGY

[Dysfunction of femoral and tibial nerves in the horse in the light of clinical and anatomical experiments (author's transl)] Marolt J, et al. **DTW** 1982 May 6;89(5):189–92 (Eng. Abstr.) **(Ger)**

RADIATION EFFECTS

[Radiation induced femoral palsy (author's transl)] Aranda B, et al. **Ann Med Interne (Paris)** 1982;133(4):266–8 (Eng. Abstr.) **(Fre)**

TRANSPLANTATION

[Microsurgical autotransplantation in median nerve injuries] Tabakov D. **Rozhl Chir** 1982 Feb;61(2):87–96 (Eng. Abstr.) **(Cze)**

FEMORAL VEIN

The effect of insulin on the disposal of intravenous glucose. Results from indirect calorimetry and hepatic and femoral venous catheterization. DeFronzo RA, et al. **Diabetes** 1981 Dec;30(12):1000–7

Treatment of ilio–femoral venous occlusion. Matsubara J, et al. **J Cardiovasc Surg (Torino)** 1982 May–Jun; 23(3):256–60

Thrombolysis with human extrinsic (tissue–type) plasminogen activator in dogs with femoral vein thrombosis. Korninger C, et al. **J Clin Invest** 1982 Mar;69(3):573–80

Chronic hemodialysis by repeated femoral vein cannulation. Nidus BD, et al. **Nephron** 1981;29(3–4):195–7

[Venous thrombectomy for acute femoro–ilio–caval thrombosis. Usefulness of ilio–cavography with image intensification (author's transl)] Moreau P, et al. **Nouv Presse Med** 1981 Oct 24;10(38):3159–60 (Eng. Abstr.) **(Fre)**

[Anastomotic aneurysm with arteriovenous fistula: change in the pathomorphological pattern of occlusive arteriography] Vollmar JF, et al. **Vasa** 1982;11(1):59–65 (Eng. Abstr.) **(Ger)**

[Treatment of acute iliofemoral venous thrombosis in pregnant women] Koniukhov SG, et al. **Akush Ginekol (Mosk)** 1981 Nov;(11):45–7 **(Rus)**

[Suppurative and septic complications of catheterization of the large veins] Fedorov BN, et al. **Klin Khir** 1982 Jan; (1):48–50 **(Rus)**

[Antithrombotic therapy principles in acute thromboses of the major veins] Il'in VN, et al. **Vestn Khir** 1981 Oct; 127(10):89–94 (Eng. Abstr.) **(Rus)**

DRUG EFFECTS

Microvascular response to angiography. Peimer CA, et al. **J Hand Surg** 1982 Jan;7(1):4–10

INJURIES

Management of traumatic peripheral vein injuries. Primary repair or vein ligation. Hardin WD Jr, et al. **Am J Surg** 1982 Aug;144(2):235–8

Femoral venous trauma in a university referral center. Blumoff RL, et al. **J Trauma** 1982 Aug;22(8):703–5

[Complications of venous catheterization. Radiology and ultrasound in the diagnosis and evolution of a case] de Aquino–Jaso ME, et al. **Bol Med Hosp Infant Mex** 1982 Apr;39(4):285–90 (Eng. Abstr.) **(Spa)**

PHYSIOPATHOLOGY

Sapheno–femoral valve insufficiency in varicose veins of the lower limb. Zelikovski A, et al. **Angiology** 1981 Dec; 32(12):807–11

[Clinico–hemodynamic indices used to assess the late results of treatment in acute iliofemoral venous thrombosis] Malakhov VP, et al. **Klin Khir** 1981 Jul;(7):57–8 **(Rus)**

RADIOGRAPHY

Peripheral venous aneurysms with recurrent pulmonary embolism: report of a case and review of the literature. Greenwood LH, et al. **Cardiovasc Intervent Radiol** 1982; 5(1):43–5

[Phlebography could be necessary when deep venous thrombosis is suspected] Ursing B, et al. **Lakartidningen** 1982 Apr 14;79(15):1498–9 **(Swe)**

SURGERY

Late objective assessment of venous value surgery. Johnson ND, et al. **Arch Surg** 1981 Nov;116(11):1461–6

The temporary stent technique: an easier method of micro–venous anastomosis. Wei FC, et al. **Br J Plast Surg** 1982 Jan;35(1):92–5

Surgical treatment of thrombotic occlusion of pelvic veins. Simma W, et al. **Int Surg** 1979 Nov–Dec;64(6):17–20

Results of iliofemoral venous thrombectomy after acute thrombosis: report on 165 cases. Andriopoulos A, et al. **J Cardiovasc Surg (Torino)** 1982 Mar–Apr;23(2):123–4

Microvascular anastomosis by invagination: an experimental study. Stamatopoulos C, et al. **J Cardiovasc Surg (Torino)** 1982 Mar–Apr;23(2):130–4

A one–suture end–to–side microvascular sleeve anastomosis: preliminary report. Katz DC, et al. **J Microsurg** 1981 Fall; 3(1):15–9

Newer tissue and synthetic grafts in canine femoral veins. Hiratzka LF, et al. **J Surg Res** 1981 Oct;31(4):324–31

Thrombectomy and arteriovenous fistula for iliofemoral venous thrombosis in fertile women. Delin A, et al. **Surg Gynecol Obstet** 1982 Jan;154(1):69–73

Improvement of amputation level by lower extremity revascularization. Johansen K, et al. **Surg Gynecol Obstet** 1981 Nov;153(5):707–9

[The importance of a temporary arteriovenous shunt in the surgical treatment of acute deep venous ileofemoral thrombosis] Kořístek V, et al. **Rozhl Chir** 1981 Feb; 60(2):133–8 (Eng. Abstr.) **(Cze)**

[Acute femoro–ilio–caval thrombosis in gerontology. Venous thrombectomy using a brightness amplifier (letter)] Valici A, et al. **Nouv Presse Med** 1982 Apr 17;11(18):1421 **(Fre)**

[Substitution of traumatic defects of the great peripheral vessels without transplantation or prostheses (animal experiments) (author's transl)] Ilisarov GA, et al. **Zentralbl Chir** 1981;106(12):794–800 (Eng. Abstr.) **(Ger)**

[Crossectomy as treatment of superficial thrombophlebitis of the lower limb: case reports] Faverio F, et al. **Chir Ital** 1981 Dec;33(6):1237–44 **(Ita)**

[33 cases of iliofemoral venous thrombectomy. Evaluation of long–term results] Ponzio F, et al. **Minerva Cardioangiol** 1982 Jan–Feb;30(1–2):29–33 (Eng. Abstr.) **(Ita)**

[Modern surgical treatment principles in postthrombophlebitis syndrome with iliofemoral localization] Klioner LI, et al. **Klin Khir** 1981 Jul;(7):40–2 (Eng. Abstr.) **(Rus)**

[Surgical correction of absolute valvular insufficiency of the femoral vein] Zelenin RP, et al. **Klin Khir** 1981 Jul;(7):43–5 (Eng. Abstr.) **(Rus)**

TRANSPLANTATION

Valve competence following experimental venous valve autotransplantation. Kroener JM, et al. **Arch Surg** 1981 Nov;116(11):1467–73

The effect of immunosuppression on the patency and structure of canine vein allografts in the venous system. Kojima Y, et al. **Surg Gynecol Obstet** 1982 Jun;154(6):853–7

Autogenous vein graft as a conduit for nerve regeneration. Chiu DT, et al. **Surgery** 1982 Feb;91(2):226–33

[Autologous vein grafts as artery replacement in microsurgery. An experimental study of micro– and macromorphologic changes 3 weeks to 12 months postoperatively] Biemer E, et al. **Handchirurgie** 1981; 13(1–2):108–13 (Eng. Abstr.) **(Ger)**

[Bypass operation using autofemoral vein graft for superior vena cava syndrome (author's transl)] Kanno M, et al. **Kyobu Geka** 1981 Sep;34(9):715–9 (Eng. Abstr.) **(Jpn)**

[Experimental study of vascular bundle transplantation to femoral head of young mongrel dog (author's transl)] Sakamoto H. **Nippon Seikeigeka Gakkai Zasshi** 1981 Jan; 55(1):59–69 (Eng. Abstr.) **(Jpn)**

FEMUR

Osteosynthesis with the hook–pin in slipped capital femoral epiphysis. Hansson LI. **Acta Orthop Scand** 1982 Feb; 53(1):87–96

Torsional deformities after fractures of the femoral shaft in childhood. A retrospective study, 27–32 years after trauma. Brouwer KJ. **Acta Orthop Scand [Suppl]** 1981;52(195):1–167

Slipped capital femoral epiphysis following radiation and chemotherapy. Walker SJ, et al. **Clin Orthop** 1981 Sep; (159):186–93

Brucella osteomyelitis of the distal part of the femur. A case report. Keenan MA, et al. **J Bone Joint Surg [Am]** 1982 Jan;64–A(1):142–4

Tuberculosis of the greater trochanter. A report of eight cases. Lynch AF. **J Bone Joint Surg [Br]** 1982;64(2):185–8

The inheritance of slipped upper femoral epiphysis. Rennie AM. **J Bone Joint Surg [Br]** 1982;64(2):180–4

The total femoral prosthesis. A preliminary report. Steinbrink K, et al. **J Bone Joint Surg [Br]** 1982;64(3):305–12

Femoral osteomyelitis secondary to diverticulitis. McCrea ES, et al. **J Can Assoc Radiol** 1981 Sep;32(3):181–2

Atypical (dedifferentiated) chondrosarcoma or osteosarcoma with preponderant chondroblastic differentiation? Remagen W, et al. **J Cancer Res Clin Oncol** 1981; 101(2):177–82

Unicameral bone cyst with epiphyseal involvement: clinicoanatomic analysis. Malawer MM, et al. **J Pediatr Orthop** 1982 Mar;2(1):71–9

Spontaneous osteonecrosis of the femoral condyle. Smith DH, et al. **Rheumatol Rehabil** 1981 Aug;20(3):136–42

Case report 194: primary non–Hodgkin lymphoma of bone. Raymond AK, et al. **Skeletal Radiol** 1982;8(2):153–6

[Prevention of orthopedic complications in the treatment of acute hematogenic osteomyelitis of the femur in children] Burin MD. **Vestn Khir** 1982 Feb;128(2):101–5 **(Rus)**

[Tuberculosis trochanteric bursitis] Velasco Domínguez E, et al. **Rev Clin Esp** 1982 Jan 15;164(1):67–70 **(Spa)**

[Trochanteric tubercular osteitis] Velasco Domínguez E, et al. **Rev Clin Esp** 1981 Dec 31;163(6):381–6 (Eng. Abstr.) **(Spa)**

ABNORMALITIES

Spontaneous correction of severe tibiofemoral deformity in growing children. Vankka E, et al. **Acta Orthop Scand** 1982 Aug;53(4):567–70

Case report: femoral hypoplasia – unusual facies syndrome. Pitt DB, et al. **Aust Paediatr J** 1982 Mar;18(1):63–6

Pierre Robin syndrome associated with hypoplastic femora—another case report. Sandison RM, et al. **Br J Plast Surg** 1981 Jul;34(3):309–11

The femoral hypoplasia–unusual facies syndrome: a genetic entity? Lord J, et al. **Clin Genet** 1981 Oct;20(4):267–75

Proximal femoral focal deficiency: natural history and treatment. Koman LA, et al. **Clin Orthop** 1982 Jan–Feb; (162):135–43

Congenital distal femoral focal deficiency: report of a unique case. Tsou PM. **Clin Orthop** 1982 Jan–Feb;(162):99–102

Proximal femoral focal deficiency: a 50–year experience. Koman LA, et al. **Dev Med Child Neurol** 1982 Jun; 24(3):344–55

Bilateral femoral dysgenesis with micrognathia, cleft palate, anomalies of the spine and pelvis, and foot deformities. Clinical and radiological findings. Burck U, et al. **Helv Paediatr Acta** 1981 Nov;36(5):473–82

A local outbreak of femoral hypoplasia or aplasia and femoral fibula–ulnar–complex. Robert JM, et al. **J Genet Hum** 1981 Dec;29(4):379–94

Torsional abnormalities in children's lower extremities. Kumar SJ, et al. **Orthop Clin North Am** 1982 Jul; 13(3):629–39

[Extra–articular snapping hip] Orlandi S, et al. **Arch Sci Med (Torino)** 1981 Oct–Dec;138(4):599–602 **(Ita)**

[Hypoplasias of the lower extremities: diagnosis, classification and prognosis] Dal Monte A, et al. **Chir Organi Mov** 1980 Jul–Aug;66(4):423–37 (Eng. Abstr.) **(Ita)**

ANALYSIS

Measurements of the bone mineral content by photon absorptiometry of the Beagle. Jorch UM, et al. **Am J Vet Res** 1982 May;43(5):907–8

Clinical usefulness of a bone mineral measurement method on the femoral shaft. Sabatier JP, et al. **Calcif Tissue Int** 1982 Jan;34(1):21–8

Determination of sex of white femora by discriminant function analysis: forensic science applications. Taylor JV, et al. **J Forensic Sci** 1982 Apr;27(2):417–23

External bone volume, ash, and fat–free dry weight of femurs of laying hens fed diets deficient or adequate in phosphorus. Garlich J, et al. **Poult Sci** 1982 May;61(5):1003–6

ANATOMY & HISTOLOGY

The influence of femoral stem thickness and implantation technique on the strength of the bone cement bond. Savino AW, et al. **Acta Orthop Scand** 1982 Feb;53(1):23–7

Classification and misclassification in sexing the Black femur by discriminant function analysis. Dibennardo R, et al. **Am J Phys Anthropol** 1982 Jun;58(2):145–51

Contact studies of the canine femoropatellar joint. White KK, et al. **Am J Vet Res** 1982 Mar;43(3):429–35

Determination of human fetal age from the length of femur, mandible, and maxillary incisor. Deutsch D, et al. **Growth** 1981 Autumn;45(3):232–8

Femoral expansion in aging women. Implications for osteoporosis and fractures. Smith RW Jr, et al. **Henry Ford Hosp Med J** 1980;28(2–3):168–70

Hip development and vascularity: relationship to chondro–osseous trauma in the growing child. Ogden JA. **Hip** 1981;:139–87

A direct method of measuring femoral anteversion using ultrasound. Moulton A, et al. **J Bone Joint Surg [Br]** 1982; 64(4):469–72

Comparative aspects of the density and diameter of Haversian canals in the diaphyseal compact bone of man and dog. Georgia R, et al. **Morphol Embryol (Bucur)** 1982 Jan–Mar; 28(1):11–4

[The depth of the patellar groove of the femur (author's transl)] Buard J, et al. **Rev Chir Orthop** 1981;67(8):721–9 (Eng. Abstr.) **(Fre)**

BLOOD SUPPLY

Quantitation of regional chondro–osseous circulation in canine tibia and femur. Schnitzer JE, et al. **Am J Physiol** 1982 Mar;242(3):H365–75

Determination of bone blood supply with Tc–99m red blood cells and In–113m transferrin in fractures of femoral neck: concise communication. Kempi V, et al. **J Nucl Med** 1982 May;23(5):400–3

The effect of age on blood flow in the proximal femur in man. Lahtinen T, et al. **J Nucl Med** 1981 Nov;22(11):966–72

[Arteries of the articulatio coxae and the proximal end of the femur in cats (Felis catus)] Pohlmeyer K. **Anat Histol Embryol** 1981;10(3):246–56 (Eng. Abstr.) **(Ger)**

[Changes of bone–perfusion in osteosynthesis of the femur with a marrow–nail (author's transl)] Kunze KG, et al. **Unfallchirurgie** 1981 Aug;7(4):185–90 (Eng. Abstr.) **(Ger)**

[Myositis ossificans of the perivascular area of the femur] Soša T, et al. **Acta Chir Iugosl** 1982;29(1):97–102 (Eng. Abstr.) **(Scr)**

CYTOLOGY

The cellular organization of fibroblastic cells and macrophages at regions of uncalcified cartilage resorption in the embryonic chick femur as revealed by alkaline and acid phosphatase histochemistry. Sorrell JM, et al. **Anat Rec** 1982 Apr;202(4):491–9

The relative spatial distribution of erythroid progenitor cells (BFUe and CFUe) in the normal mouse femur. Frassoni F, et al. **Cell Tissue Kinet** 1982 Jul;15(4):447–55

DRUG EFFECTS

Lack of effect of indomethacin on ordered growth of the femur in rats. Sudmann E, et al. **Acta Orthop Scand** 1982 Feb;53(1):43–9

The effects of fluoride on the periosteal and endosteal

surfaces of the rat femur. A scanning electron microscope study. Ream LJ, et al. **J Submicrosc Cytol** 1982 Jan; 14(1):81–91

Scanning electron microscopy of the femoral epiphyseal plate and metaphysis of the rat after short-term fluoride ingestion. Ream LJ, et al. **J Submicrosc Cytol** 1982 Jan; 14(1):73–80

Tin decreases femoral calcium independently of calcium homeostasis in rats. Yamaguchi M, et al. **Toxicol Lett** 1982 Jan;10(1):7–10

[The effect of chronic aminoglutethimide and dehydroepiandrosterone treatment on various parameters of thigh and vertebral bones in rats] Boross M, et al. **ZFA (Dresden)** 1982 May-Jun;37(3):221–4 **(Ger)**

EMBRYOLOGY

Fetal femur length as a predictor of menstrual age: sonographically measured. Hadlock FP, et al. **AJR** 1982 May;138(5):875–8

Fetal femur length and gestational age. Queenan JT, et al. **Am Fam Physician** 1982 Apr;25(4):165–7

Fetal femur length: equations for computer calculation of gestational age from ultrasound measurements. Hohler CW, et al. **Am J Obstet Gynecol** 1982 Jun 15;143(4):479–81

Ultrasound fetal femur length in relation to intrauterine growth retardation. Part II. O'Brien GD, et al. **Am J Obstet Gynecol** 1982 Sep 1;144(1):35–9

Bipartite primary ossification in the developing human femur. Burkus JK, et al. **J Pediatr Orthop** 1982 Mar;2(1):63–5

Measurement of foetal femoral and tibial lengths as a means of radiologic estimation of gestational age at birth. Odita JC, et al. **Trop Geogr Med** 1982 Mar;34(1):61–5

[Significance in ultrasonographic measurement of fetal limb bones (author's transl)] Tsuzaki T, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1982 Mar; 34(3):315–20 (Eng. Abstr.) **(Jpn)**

GROWTH & DEVELOPMENT

Fractures of the femoral shaft in children. The overgrowth phenomenon. Shapiro F. **Acta Orthop Scand** 1981 Dec; 52(6):649–55

Comparison of ultrasound femur length and biparietal diameter in late pregnancy. Hohler CW, et al. **Am J Obstet Gynecol** 1981 Dec 1;141(7):759–62

Growth of the ultrasound fetal femur length during normal pregnancy. Part I. O'Brien GD, et al. **Am J Obstet Gynecol** 1981 Dec 1;141(7):833–7

Patterns of deformity of the developing hip. Siffert RS. **Clin Orthop** 1981 Oct;(160):14–29

Developmental patterns in lower-extremity length discrepancies. Shapiro F. **J Bone Joint Surg [Am]** 1982 Jun; 64(5):639–51

A roentgen stereophotogrammetric analysis of growth arrest by stapling. Bylander B, et al. **J Pediatr Orthop** 1981; 1(1):81–90

[Adaptation of bone structure to mechanical stress (author's transl)] Amtmann E, et al. **Z Morphol Anthropol** 1981; 72(1):1–21 (Eng. Abstr.) **(Ger)**

[Biomechanical processes affecting the development of the proximal part of the femur in children treated surgically for femur head dysplasia and hip dislocation] Karski T. **Chir Narzadow Ruchu Ortop Pol** 1981;46(4):365–9 (Eng. Abstr.) **(Pol)**

[Longitudinal growth of the lower limb after transiliac and corrective osteotomy of the femur with shortening of its shaft and open reduction of congenital hip dislocation in children] Labaziewicz L. **Chir Narzadow Ruchu Ortop Pol** 1981;46(2):153–5 (Eng. Abstr.) **(Pol)**

INJURIES

Awareness of the retinaculum in evaluating patellofemoral pain. Fulkerson JP. **Am J Sports Med** 1982 May-Jun; 10(3):147–9

Luxatio erecta of the hip. A case report and review of the literature. Abad Rico JI, et al. **Arch Orthop Trauma Surg** 1982;99(4):277–9

A method of plugging femoral shaft perforations during total hip arthroplasty. Beasley AW, et al. **Clin Orthop** 1982 Aug; (168):73–4

1981 Nicolas Andry Award. The relationship of mechanical trauma and the early biochemical reactions of osteoarthritic cartilage. Chrisman OD, et al. **Clin Orthop** 1981 Nov-Dec; (161):275–84

[Cartilage injuries of the femoro-patellar joint in the computerized tomogram] Reiser M, et al. **Fortschr Med** 1982 Jan 21;100(3):66–8 (Eng. Abstr.) **(Ger)**

[Healing of laser-induced bone lesions] Ramotowski W, et al. **Chir Narzadow Ruchu Ortop Pol** 1981;46(4):339–43 **(Pol)**

[Distal epiphyseolysis of the femur (author's transl)] Spišiák L, et al. **Acta Chir Orthop Traumatol Cech** 1981 Aug; 48(4):342–8 (Eng. Abstr.) **(Slo)**

METABOLISM

Concentration of antibacterial agents in rat bone. A comparative study of gentamicin, ampicillin and cephaloridine. Papadopulos JS, et al. **Arch Orthop Trauma Surg** 1981;99(2):105–8

Autoradiographic comparison of 96Tc-pyrophosphate and 45Ca bone uptake. Le Pape A, et al. **Eur J Nucl Med** 1982; 7(3):127–9

[Experimental studies of calcium, iron and chromium content of bone tissue surrounding implants] Grabowski MT, et al. **Chir Narzadow Ruchu Ortop Pol** 1981;46(1):31–5 (Eng. Abstr.) **(Pol)**

PATHOLOGY

The quadriceps angle and its relation to femoral torsion. Hvid I, et al. **Acta Orthop Scand** 1982 Aug;53(4):577–9

Effects of field size when using Kerley's histological method for determination of age at death. Stout SD, et al. **Am J Phys Anthropol** 1982 Jun;58(2):123–5

Immobilization osteoporosis and active vitamin D: effect of active vitamin D analogs on the development of immobilization osteoporosis in rats. Izawa Y, et al. **Calcif Tissue Int** 1981;33(6):623–30

Histologic and histochemical investigation of Gaucher cells. Matsubara T, et al. **Clin Orthop** 1982 Jun;(166):233–42

Popliteal cysts, femoral erosion and degenerative changes in the knee joint. Fenelon MJ, et al. **J Can Assoc Radiol** 1982 Mar;33(1):28–31

Anterior femoral erosion and patello-femoral osteoarthritis. Rose CP, et al. **J Can Assoc Radiol** 1982 Mar;33(1):32–4

Eosinophilic granuloma of femoral bone. Oza RM, et al. **J Indian Med Assoc** 1982 Feb 16;78(4):71–2

Distal femoral cortical defects, irregularities, and excavations. Resnick D, et al. **Radiology** 1982 May;143(2):345–54

[Melanotic schwannoma (pigmented neurilemmoma). A light and electron microscopic study of a case with double tumoral localization and periosteal implantation (author's transl)] Ducastelle T, et al. **Ann Pathol** 1981;1(3):205–12 (Eng. Abstr.) **(Fre)**

[Indications for the correction of torsion disorders of the lower limbs in the adult] Lerat JL. **Rev Chir Orthop** 1982; 68(1):66–70 **(Fre)**

[Distribution and dynamics of cambial elements of regenerated bone] Pankov EIa, et al. **Ortop Travmatol Protez** 1981 Oct;(10):12–4 **(Rus)**

PHYSIOLOGY

Mechanical properties of fractured and intact rat femora evaluated by bending, torsional and tensile tests. Ekeland A, et al. **Acta Orthop Scand** 1981 Dec;52(6):605–13

Breaking force of the rabbit growth plate and its application to epiphyseal distraction. Noble J, et al. **Acta Orthop Scand** 1982 Feb;53(1):13–6

Femoral mechanics in the lesser bushbaby (Galago senegalensis): structural adaptations to leaping in primates. Burr DB, et al. **Anat Rec** 1982 Mar;202(3):419–29

Evaluation of tension and compression forces in the canine femur in vivo. Manley PA, et al. **Arch Orthop Trauma Surg** 1982;99(3):213–6

Effect of internal fixation on the strain environment of the canine femur. Manley PA, et al. **Arch Orthop Trauma Surg** 1982;99(4):271–5

The geometrical properties of human femur and tibia and their importance for the mechanical behaviour of these bone structures. Martens M, et al. **Arch Orthop Trauma Surg** 1981;98(2):113–20

A critical review of the biomechanical stress analysis of the human femur. Gdoutos EE, et al. **Biomaterials** 1982 Jan; 3(1):2–8 (100 ref.)

Growth of tissue into a porous, low modulus coating on intramedullary nails: an experimental study. Rhinelander FW, et al. **Clin Orthop** 1982 Apr;(164):293–305

The Otto Aufranc Award Paper. An analysis of femoral prosthesis design: the effects on proximal femur loading. Crowninshield RD, et al. **Hip** 1981;:111–22

On the modelling of long bones in structural analyses. Huiskes R. **J Biomech** 1982;15(1):65–9

Ultrasonic measurement of orthotropic elastic constants of bovine femoral bone. Van Buskirk WC, et al. **J Biomech Eng** 1981 May;103(2):67–72

A model femur for in vitro testing of femoral components. Dobbs HS, et al. **J Biomed Eng** 1981 Jul;3(3):225–34

Intra-osseous phlebography and intramedullary pressure in the rabbit femur. Thomas IH, et al. **J Bone Joint Surg [Br]** 1982;64(2):239–42

Subperiosteal expansion and cortical remodeling of the human femur and tibia with aging. Ruff CB, et al. **Science** 1982 Sep 3;217(4563):945–8

[Material properties and strength behavior of the compact bone tissue at the coxal human-femur (author's transl)] Knauss P. **Biomed Tech (Berlin)** 1981 Dec;26(12):311–5 (Eng. Abstr.) **(Ger)**

PHYSIOPATHOLOGY

Increased femoral anteversion and osteoarthritis of the hip joint. Terjesen T, et al. **Acta Orthop Scand** 1982 Aug; 53(4):571–5

Changes in compression and distances between tibial and femoral condyles during immobilization of rabbit knee. Videman T. **Arch Orthop Trauma Surg** 1981;98(4):289–91

The effects of intramedullary implants on bone strains and remodeling in the femur. Cook SD, et al. **Biomater Med Devices Artif Organs** 1982;10(1):21–40

Functional significance of nonunion of the greater trochanter. Ritter MA, et al. **Clin Orthop** 1981 Sep;(159):177–82

[Tensile strength of the rabbit femur after CO2 laser coagulation] Goworek H, et al. **Chir Narzadow Ruchu Ortop Pol** 1981;46(5):449–52 (Eng. Abstr.) **(Pol)**

RADIATION EFFECTS

[Growth and radiosensibility of embryonic fowl femurs in vivo and in vitro (author's transl)] Peters K, et al. **Radiobiol Radiother (Berl)** 1982 Mar;23(2):149–58 (Eng. Abstr.) **(Ger)**

RADIOGRAPHY

Lucent articular lesion in the lateral femoral condyle: source of patellar femoral pain in the athletic adolescent. Cayea PD, et al. **AJR** 1981 Dec;137(6):1145–9

Intraosseous pneumatosis after total knee arthrography: a 'normal' variant. Daffner RH, et al. **AJR** 1982 Jul; 139(1):179–80

A method for radiographically measuring true femoral rotation. Burr DB, et al. **Clin Orthop** 1982 Jul;(167):139–44

Component alignment and trochanteric detachment in total hip arthroplasty. Hunter SG. **Clin Orthop** 1982 Aug; (168):53–8

Growth of the proximal femur after varus-derotation osteotomy in the treatment of congenital dislocation of the hip. Karadimas JE, et al. **Clin Orthop** 1982 Jan-Feb; (162):61–8

Measurement of cortical thickness in a human cadaver femur. Conventional roentgenography versus computed tomography. Smith HW, et al. **Clin Orthop** 1982 Sep; (169):269–74

The computed tomography of normal long bone anatomy and its simulation of disease. Paling MR. **Comput Tomogr** 1981 Jul-Sep;5(3):201–13

Granulomatosis of bone from high density polyethylene. Austin RT, et al. **Injury** 1982 Mar;13(5):414–8

Measurement accuracy of proximal femoral geometry using biplanar radiography. Burr DB, et al. **J Pediatr Orthop** 1981;1(2):171–9

Patellofemoral abnormalities in renal osteodystrophy. Kricun ME, et al. **Radiology** 1982 Jun;143(3):667–9

Radiology of the femoral linea aspera-pilaster complex: the track sign. Pitt MJ. **Radiology** 1982 Jan;142(1):66

Case report 160. Dahlin DC. **Skeletal Radiol** 1981;6(4):303–5

Case report 174: 'Cottonballoma' of femur (due to retained surgical sponge with foreign body giant cell reaction). Sexton CC, et al. **Skeletal Radiol** 1981;7(3):211–3

[Femoral and tibial torsion. Radiological measurement] Heripret G. **Rev Chir Orthop** 1982;68(1):29–31 **(Fre)**

[Determination of anteversion and the neck-shaft angle by radiographic monitoring] Zemankiewicz S, et al. **Chir Narzadow Ruchu Ortop Pol** 1981;46(4):407–10 **(Pol)**

[Total involvement of the lower limb in melorheostosis] Levitskiĭ FA, et al. **Ortop Travmatol Protez** 1981 Aug; (8):51–2 **(Rus)**

RADIONUCLIDE IMAGING

Radionuclide bone imaging of femoral prostheses with porous coatings. Spector M, et al. **Clin Orthop** 1981 Oct; (160):242–9

The distal femoral defect: technetium-99m pyrophosphate bone scan results. Burrows PE, et al. **J Can Assoc Radiol** 1982 Jun;33(2):91–3

The natural history of bone scans following total knee replacement surgery. Robinson M, et al. **Trans Am Soc Artif Intern Organs** 1981;27:369–71

[Three cases of eosinophilic granuloma (author's transl)] Hokama Y, et al. **Rinsho Hoshasen** 1982 May;27(5):577–80 **(Jpn)**

SURGERY

Segmental replacement of the femur in baboons with fiber metal implants and autologous bone grafts of different particle size. Andersson GB, et al. **Acta Orthop Scand** 1982 Jun;53(3):349–54

Prosthetic replacement of tumour-destroyed diaphyseal bone in the lower extremity. Lempberg R, et al. **Acta Orthop Scand** 1982 Aug;53(4):541–5

Segmental replacement of the femur in baboons. Comparison of fixation through bone ingrowth with and without methylmethacrylate. Andersson GB, et al. **Arch Orthop Trauma Surg** 1981;99(1):47–51

Femoral stem failures in total hip arthroplasty: an unusual causal mechanism. Ritter MA, et al. **Clin Orthop** 1982 May; (165):176–9

Wedge recession for treatment of recurrent luxation of the patella: a preliminary report. Slocum B, et al. **Clin Orthop** 1982 Apr;(164):48–53

Treatment of nonunion of the greater trochanter. Baker SA, et al. **Hip** 1981;:15–24

Femoral revisions. Welch RB. **Hip** 1981;:25–36

Intramedullary fixation of artificial hip joints with bone cement-precoated implants. I. Interfacial strengths. Barb W, et al. **J Biomed Mater Res** 1982 Jul;16(4):447–58

Intramedullary fixation of artificial hip joints with bone cement-precoated implants. II. Density and histological study. Park JB, et al. **J Biomed Mater Res** 1982 Jul; 16(4):459–69

The treatment of spontaneous osteonecrosis of the knee by high tibial osteotomy with and without bone-grafting or drilling of the lesion. Koshino T. **J Bone Joint Surg [Am]** 1982 Jan;64-A(1):47–58

Supracondylar femoral osteotomy for knee flexion contracture resulting from poliomyelitis. Leong JC, et al. **J Bone Joint Surg** [Br] 1982;64(2):198–201

Cylindrically modeled bone grafts. Klisić P, et al. **J Pediatr Orthop** 1982 Mar;2(1):45–50

Comparison of open vs. closed rodding of femurs utilizing a Sampson rod. Whittaker RP, et al. **J Trauma** 1982 Jun; 22(6):461–8

The effect of laser osteotomy on bone healing. Gertzbein SD, et al. **Lasers Surg Med** 1981;1(4):361–73

Patellofemoral prosthesis: preliminary report of 31 cases. Slingenberg EJ, et al. **Neth J Surg** 1982 Mar;34(1):31–4

Reconstruction of the joint surface using osteochondral fragments. An experimental and clinical study. Lindholm TS, et al. **Scand J Rheumatol [Suppl]** 1982;44:5–46

[Surgical treatment of coxarthrosis by the method of valgization–extension intertrochanteric osteotomy of the femur according to Bombelli (author's transl)] Palarčík J, et al. **Acta Chir Orthop Traumatol Cech** 1982 Feb; 49(1):21–30 (Eng. Abstr.) **(Cze)**

[Transposition of the greater trochanter in disorders of the hip joint (author's transl)] Pavlanský R, et al. **Acta Chir Orthop Traumatol Cech** 1982 Apr;49(2):106–10 (Eng. Abstr.) **(Cze)**

[Surgical treatment of patello–femoral arthrosis] Maquet P. **Acta Orthop Belg** 1982 Jan–Feb;48(1):194–203 (Eng. Abstr.) **(Fre)**

[Surgical treatment of femoro–tibial arthrosis] Maquet P. **Acta Orthop Belg** 1982 Jan–Feb;48(1):172–89 (Eng. Abstr.) **(Fre)**

[Correction of axial malalignment of the lower limb by diaphyseal femoral displacement in intertrochanteric osteotomy] Teinturier P, et al. **Acta Orthop Belg** 1981 Jan–Feb;47(1):34–9 (Eng. Abstr.) **(Fre)**

[Cylindrical femoral supracondylar variation osteotomy in the surgical treatment of gonarthrosis] Weill D, et al. **Acta Orthop Belg** 1982 Jan–Feb;48(1):110–30 **(Fre)**

[Technics and results of derotation osteotomies in children] Chrestian P. **Rev Chir Orthop** 1982;68(1):32–5 **(Fre)**

[Indications for the correction of torsion disorders of the lower limbs in the adult] Lerat JL. **Rev Chir Orthop** 1982; 68(1):66–70 **(Fre)**

[The use of the B.A.S.K. total prosthesis for the reconstruction of the proximal femur after tumour excision (author's transl)] Meadeb P, et al. **Rev Chir Orthop** 1981; 67(7):655–8 (Eng. Abstr.) **(Fre)**

[Rehabilitation of unilateral femoral amputees, over 55 years of age and of vascular origin] Lam VT, et al. **Union Med Can** 1981 Sep;110(9):774–9 (Eng. Abstr.) **(Fre)**

[Resection of bone tumors] Runt M. **Beitr Orthop Traumatol** 1981 Jul;28(7):353–62 (Eng. Abstr.) **(Ger)**

[Fatigue fractures after femoral lengthening (author's transl)] Wagner H. **Orthopade** 1982 May;11(3):86–100 **(Ger)**

[The behaviour of autologous spongiosa transplants from the ilial crest with and without fibrinadhesive in the canine femoral epiphysis (author's transl)] Wischhöfer E, et al. **Unfallheilkunde** 1982 Jun;85(6):250–2 (Eng. Abstr.) **(Ger)**

[Experimental patello–femoral contactprint measurements. 2. Report: sagittal osteotomy of the patella according to Morscher (author's transl)] Hehne HJ, et al. **Z Orthop** 1981 Aug;119(4):405–11 (Eng. Abstr.) **(Ger)**

[Replacement of hip prostheses by antero–lateral fenestration (author's transl)] Thomas W, et al. **Zentralbl Chir** 1982; 107(9):489–97 **(Ger)**

[Lengthening of the femur in children (considerations on 34 operated cases)] Dal Monte A, et al. **Chir Organi Mov** 1980 Jul–Aug;66(4):439–50 (Eng. Abstr.) **(Ita)**

[Double osteotomy of the knee during meniscectomy in gonarthrosis] Dugiełło H. **Chir Narzadow Ruchu Ortop Pol** 1981;46(3):237–40 (Eng. Abstr.) **(Pol)**

[Simultaneous surgical reconstruction of congenital dislocation of the hip in children (derotational osteotomy of the femur, open reduction of the luxation and osteotomy of the ilium] Wośko I. **Chir Narzadow Ruchu Ortop Pol** 1981;46(6):573–6 (Eng. Abstr.) **(Pol)**

[Surgical treatment of chronic osteomyelitis] Zakharov II, et al. **Khirurgiia (Mosk)** 1981 Aug;(8):66–8 (Eng. Abstr.) **(Rus)**

[Method of corrective, oblique subtrochanteric osteotomy of the femur with simultaneous elongation in coxa vara] Grabovoĭ AF. **Ortop Travmatol Protez** 1981 Jan;(1):57–8 **(Rus)**

[Effect of intertrochanteric osteotomy on the neural apparatus of the hip joint] Nettov GG. **Ortop Travmatol Protez** 1982;(5):31–4 (Eng. Abstr.) **(Rus)**

[Means of improving the outcome of osteoplastic amputation of the femur in arterial thrombobliterating diseases] Davydkin NF. **Vestn Khir** 1981 Aug;127(8):65–9 **(Rus)**

TRANSPLANTATION

Femoral plugging using cancellous bone. Knight WE. **Clin Orthop** 1982 Mar;(163):167–9

ULTRASTRUCTURE

The effects of castration on size and appearance of Sharpey's fibers of rat femurs: a scanning electron microscopic and microradiographic study. Wink CS. **Anat Rec** 1982 Jan; 202(1):9–13

FEMUR HEAD

Amyloid in osteoarthritic hip joints. A pathoanatomical and histological investigation of femoral head cartilage. Ladefoged C. **Acta Orthop Scand** 1982 Aug;53(4):581–6

A retrospective study of 125 cases of slipped capital femoral epiphysis. Kulick RG, et al. **Clin Orthop** 1982 Jan–Feb; (162):87–90

Multiple joint osteonecrosis following short–term steroid therapy. Case report. Anderton JM, et al. **J Bone Joint Surg [Am]** 1982 Jan;64–A(1):139–41

Clear–cell chondrosarcoma. Salzer–Kuntschik M. **J Cancer Res Clin Oncol** 1981;101(2):171–6

[Adolescent's coxa vara—an attempt towards an etiological view and the possible explanation of endocrine effects (author's transl)] Rubin A, et al. **Acta Chir Orthop Traumatol Cech** 1981;48(6):496–9 (Eng. Abstr.) **(Cze)**

[Acute chondrolysis following slipped capital femoral epiphysis. A study of 41 cases (author's transl)] Lance D, et al. **Rev Chir Orthop** 1981;67(4):437–50 (Eng. Abstr.) **(Fre)**

[Failure of the femoral component in double cup arthroplasty: preliminary report] Guimont A, et al. **Union Med Can** 1981 Jul;110(7):605–9 (Eng. Abstr.) **(Fre)**

[Hormonal treatment of hypophyseal dwarfism, a cause of epiphyseolisthesis capitis femoris? (author's transl)] Möhler W, et al. **Z Orthop** 1981 Feb;119(1):89–91 (Eng. Abstr.) **(Ger)**

[Slipped capital femoral epiphysis] Sabato S, et al. **Harefuah** 1982 Feb 15;102(4):150–2 (Eng. Abstr.) **(Heb)**

[Inflammation of the hip joint and femur head caused by Salmonella cholerae suis] Witczuk J. **Przegl Epidemiol** 1981; 35(2):271–4 **(Pol)**

[Mechanical origin of adolescent epiphysiolysis of the femur head] Kostiuk VP, et al. **Ortop Travmatol Protez** 1982 Feb; (2):35–8 (Eng. Abstr.) **(Rus)**

[Diagnosis of juvenile epiphysiolysis of the femur head] Kriuk AS, et al. **Ortop Travmatol Protez** 1982 Jan;(1):61–5 **(Rus)**

[Epiphysiolisthesis of the femur head in 2 brothers] Salmerón Moctezuma J, et al. **Bol Med Hosp Infant Mex** 1981 Jan–Feb;38(1):177–81 (Eng. Abstr.) **(Spa)**

ABNORMALITIES

[Biomechanical processes affecting the development of the proximal part of the femur in children treated surgically for femur head dysplasia and hip dislocation] Karski T. **Chir Narzadow Ruchu Ortop Pol** 1981;46(4):365–9 (Eng. Abstr.) **(Pol)**

ANATOMY & HISTOLOGY

Macroscopically normal cartilage from the human osteoarthritic femoral head. II. Measurement of cartilage thickness and cell density. Vignon E, et al. **J Rheumatol** 1981 May–Jun;8(3):447–50

Macroscopically normal cartilage from the human osteoarthritis femoral head. I. Histological evaluation. Vignon E, et al. **J Rheumatol** 1981 May–Jun;8(3):440–6

[Distance angle of the femur head from the bottom of the acetabulum after surgical treatment of congenital hip dislocation in children] Labaziewicz L. **Chir Narzadow Ruchu Ortop Pol** 1981;46(3):253–5 (Pol)

BLOOD SUPPLY

Vitality of the femoral head after femoral neck fracture evaluated by tetracycline labeling. Strömqvist B, et al. **Arch Orthop Trauma Surg** 1981;99(1):1–6

The role of blood vessels within the ligamentum teres in Perthes' disease. Iwasaki K. **Clin Orthop** 1981 Sep; (159):248–56

Effect of hip position on blood flow to the femur in puppies. Law EG, et al. **J Pediatr Orthop** 1982 Jun;2(2):133–7

[Aseptic necrosis of the femur head. Pathogenesis: the theory of circulation] Ficat RP. **Acta Orthop Belg** 1981 Mar–Apr; 47(2):198–9 **(Fre)**

[Revascularization of the femoral head for avascular necrosis (author's transl)] Judet H, et al. **Rev Chir Orthop** 1981; 67(3):261–6 (Eng. Abstr.) **(Fre)**

[Animal–experimental foundations of the latent ischaemical phase as the aetiological factor of Legg–Calve–Perthes' disease (author's transl)] Batory I. **Z Orthop** 1982 Feb; 120(1):48–52 **(Ger)**

[Experimental study of vascular bundle transplantation to femoral head of young mongrel dog (author's transl)] Sakamoto H. **Nippon Seikeigeka Gakkai Zasshi** 1981 Jan; 55(1):59–69 (Eng. Abstr.) **(Jpn)**

[Examination of the blood supply of the head of the femur in idiopathic necrosis (author's transl)] Kováč M, et al. **Acta Chir Orthop Traumatol Cech** 1981 Oct;48(5):411–5 (Eng. Abstr.) **(Slo)**

[Testing the vitality of the head of the femur by means of the femur head puncture (author's transl)] Kováč M. **Acta Chir Orthop Traumatol Cech** 1981;48(6):510–3 (Eng. Abstr.) **(Slo)**

DRUG EFFECTS

Cortisone–induced intrafemoral head pressure change and its response to a drilling decompression method. Wang GJ, et al. **Clin Orthop** 1981 Sep;(159):274–8

INJURIES

Traumatic posterior dislocation of hip joint with a fracture of the head and neck of the femur on the same side: a case report. Fernandes A. **Injury** 1981 May;12(6):487–90

Pipkin Type–II fractures of the femoral head. Butler JE. **J Bone Joint Surg [Am]** 1981 Oct;63A(8):1292–6

[Research work on traumatic ischemic necrosis of the femoral head in the recent 15 years (author's transl)] Cai RB. **Chung Hua I Hsueh Tsa Chih** 1981 Sep;61(9):559–62 **(Chi)**

[Osteosynthesis of unstable inter– and subtrochanteric femur fractures with a double T–plate (author's transl)] Teubner E, et al. **Unfallheilkunde** 1982 Jan;85(1):1–7 (Eng. Abstr.) **(Ger)**

[Rare case of complicated hip dislocation] Miroński E. **Chir Narzadow Ruchu Ortop Pol** 1981;46(1):17–9 (Eng. Abstr.) **(Pol)**

[Experiences with anticoagulant treatment in fractures of the proximal part of the femur (author's transl)] Kováč M, et al. **Acta Chir Orthop Traumatol Cech** 1981;48(6):549–53 (Eng. Abstr.) **(Slo)**

METABOLISM

Bone concentrations of cefuroxime and cefamandole in the femoral head in 96 patients undergoing total hip replacement surgery. Leigh DA, et al. **J Antimicrob Chemother** 1982 Apr;9(4):303–11

PATHOLOGY

Pathologic evaluation of the failed cup arthroplasty: a review of 32 cases. Milgram JW, et al. **Clin Orthop** 1981 Jul–Aug; (158):158–79

Perthes' disease: is the epiphysial infarction complete? Catterall A, et al. **J Bone Joint Surg [Br]** 1982;64(3):276–81

A review of the morphology of Perthes' disease. Catterall A, et al. **J Bone Joint Surg [Br]** 1982;64(3):269–75

Bilateral femoral head collapse in an adolescent with brachydactyly (multiple epiphyseal dysplasia tarda type 1c). Wenger DR, et al. **J Pediatr Orthop** 1981;1(3):267–71

[Experimental study on avascular necrosis of the femoral head (author's transl)] Ohta K. **Nippon Seikeigeka Gakkai Zasshi** 1980 Dec; 54(12):1693–705 (Eng. Abstr.) **(Jpn)**

[Biochemical and morphological changes in the femur head in femoral neck fractures after radiotherapy and in old age] Król R, et al. **Chir Narzadow Ruchu Ortop Pol** 1981; 46(1):27–30 (Eng. Abstr.) **(Pol)**

PHYSIOLOGY

Two–dimensional finite element method analysis of the proximal end of the femur. Oonishi H, et al. **Nippon Seikeigeka Gakkai Zasshi** 1982 May;56(5):431–7

[Material properties and strength behaviour of spongy bone tissue at the coxal human femur. (author's transl)] Knauss P. **Biomed Tech (Berlin)** 1981 Sep;26(9):200–10 (Eng. Abstr.) **(Ger)**

[Measurement of hip joint loading under anatomical conditions] Sotirow B. **Chir Narzadow Ruchu Ortop Pol** 1981;46(3):265–70 **(Pol)**

PHYSIOPATHOLOGY

[Effect of laser irradiation on bone regeneration after intra–articular necretomy in experimental tuberculous coxitis] Marakusha IG, et al. **Probl Tuberk** 1981 Aug; (8):69–71 (Eng. Abstr.) **(Rus)**

RADIATION EFFECTS

Slipped femoral capital epiphyses in irradiated children: dose, volume and age relationships. Silverman CL, et al. **Int J Radiat Oncol Biol Phys** 1981 Oct;7(10):1357–63

RADIOGRAPHY

The double–headed femur. Rosman MA, et al. **Clin Orthop** 1982 Jan–Feb;(162):170–2

Osseous cyst–like lesions of the medial femoral condyle in the horse. Stewart B, et al. **J Am Vet Med Assoc** 1982 Feb 1;180(3):254–7

Large joint destruction in erosive osteoarthritis. Keats TE, et al. **Skeletal Radiol** 1981;6(4):267–9

Slipped capital femoral epiphysis at the University Hospital of the West Indies. Ali E, et al. **West Indian Med J** 1981 Dec;30(4):211–4

RADIONUCLIDE IMAGING

Identification of hip surface arthroplasty failures with TcSC/TcmDP radionuclide imaging. Thomas BJ, et al. **Clin Orthop** 1982 Jul;(167):106–12

SURGERY

Experiences with the resection of the femoral head as a treatment of bilateral coxarthrosis. Pfarr B. **Arch Orthop Trauma Surg** 1982;99(4):235–7

The femoral head remnant in resurfacing arthroplasty. Bogoch ER, et al. **Clin Orthop** 1982 Jul;(167):92–105

Selective surgical containment for Legg–Perthes disease: recognition and management of complications. Wenger

DR. **J Pediatr Orthop** 1981;1(2):153–60

[Rotational anterior osteotomy of the femur neck and head] Judet J, et al. **Acta Orthop Belg** 1981 Mar–Apr;47(2):301–2 **(Fre)**

[Femur remodelling procedures following osteotomies at the coxal end of the femur in the treatment of congenital dislocation of the hip (author's transl)] Karski T. **Z Orthop** 1982 Feb;120(1):53–7 (28 ref.) (Eng. Abstr.) **(Ger)**

[Medial displacement of Osteotomy of the femur in the osteoarthritis of the hip — the effect of the pelvic deltoid (author's transl)] Kato T. **Nippon Seikeigeka Gakkai Zasshi** 1981 Jan;55(1):1–15 (Eng. Abstr.) **(Jpn)**

[Surgical treatment method in juvenile epiphysiolysis of the femur head] Korzh AA. **Ortop Travmatol Protez** 1981 Jan;(1):55–6 **(Rus)**

[Intersubstitution of the upper poles of the femur head] Sokolovskiĭ AM. **Ortop Travmatol Protez** 1982 Feb;(2):66–8 **(Rus)**

TRANSPLANTATION

Allografting in total hip arthroplasty: in adults with severe acetabular deficiency including a surgical technique for bolting the graft to the ilium. Harris WH. **Clin Orthop** 1982 Jan–Feb;(162):150–64

FEMUR HEAD NECROSIS

Legg–Calvé–Perthes syndrome. Catterall A. **Clin Orthop** 1981 Jul–Aug;(158):41–52 (43 ref.)

[Round table on idiopathic femur head necrosis. Bruges, 24–26 May 1979] **Acta Orthop Belg** 1981 Mar–Apr; 47(2):175–318 **(Fre)**

BLOOD

Haematological factors associated with avascular necrosis of the femoral head in homozygous sickle cell disease. Hawker H, et al. **Br J Haematol** 1982 Jan;50(1):29–34

Increased blood viscosity in patients with Legg–Perthes disease: a preliminary report. Kleinman RG, et al. **J Pediatr Orthop** 1981;1(2):131–6

CHEMICALLY INDUCED

Avascular necrosis of bone after high doses of dexamethasone during neurosurgery. McCluskey J, et al. **Br Med J [Clin Res]** 1982 Jan 30;284(6312):333–4

Avascular necrosis of bone after high doses of dexamethasone during neurosurgery [letter] Watkins S, et al. **Br Med J [Clin Res]** 1982 Mar 6;284(6317):742

Cortisone-induced intrafemoral head pressure change and its response to a drilling decompression method. Wang GJ, et al. **Clin Orthop** 1981 Sep;(159):274–8

Bilateral aseptic necrosis of femoral heads following intermittent high-dose steroid therapy [letter] Hendry WF. **Fertil Steril** 1982 Jul;38(1):120

[Iatrogenic necrosis of the femoral head and indomethacin therapy] Christiansen J, et al. **Ugeskr Laeger** 1981; 143(34):2153–4 (Eng. Abstr.) **(Dan)**

COMPLICATIONS

Hip pain during adolescence after Perthes' disease. Grossbard GD. **J Bone Joint Surg [Br]** 1981;63B(4):572–4

[Aseptic osteonecrosis of the femoral head in chronic lymphocytic leukemia] Faltýnek L, et al. **Vnitr Lek** 1982 Feb;28(2):173–6 (Eng. Abstr.) **(Cze)**

DIAGNOSIS

Early detection and classification of collapse of femoral head after transcervical fracture. Cai RB, et al. **Chin Med J [Engl]** 1982 Jan;95(1):25–30

Etiology, pathogenesis, and early diagnosis of ischemic necrosis of the hip. Griffiths HJ. **JAMA** 1981 Dec 4; 246(22):2615–7

[Primary osteonecrosis of the femur head. Clinical problems] Delcambre B. **Acta Orthop Belg** 1981 Mar–Apr;47(2):230–5 **(Fre)**

[Aseptic necrosis of the femur head. Importance of bone biopsies] Ficat P. **Acta Orthop Belg** 1981 Mar–Apr; 47(2):285–7 **(Fre)**

[Aseptic necrosis of the femur head. Preliminary remarks concerning staging: stage O] Ficat RP. **Acta Orthop Belg** 1981 Mar–Apr;47(2):239–41 **(Fre)**

[Transient synovitis ('toxic synovitis') of the hip (author's transl)] Mouchet A, et al. **Ann Pediatr (Paris)** 1981 Dec; 28(10):743–6 (Eng. Abstr.) **(Fre)**

[Femur head necrosis in patients with coxarthrosis—incidence and treatment possibilities] Stein V, et al. **Z Arztl Fortbild (Jena)** 1981 Jul 15;75(14):652–3 **(Ger)**

[Scintigraphy, computer tomography and conventional radiography in degenerative and inflammatory diseases of the hip joint] Nebel G, et al. **Z Rheumatol** 1981 Sep–Oct; 40(5):217–22 **(Ger)**

[Diagnosis and course of femur head necrosis (analysis of 65 cases of femur head necrosis)] Herrling K, et al. **ZFA (Dresden)** 1982;37(2):129–30 **(Ger)**

[Pain syndrome characteristics in idiopathic femur head osteonecrosis and its diagnosis] Prokhorov VP. **Ortop Travmatol Protez** 1981 Dec;(12):31–5 (Eng. Abstr.) **(Rus)**

ETIOLOGY

The irritable hip syndrome in children. A long-term follow-up. Sharwood PF. **Acta Orthop Scand** 1981 Dec; 52(6):633–8

Radiotherapy changes of the pediatric hip. Libshitz HI, et al. **AJR** 1981 Sep;137(3):585–8

Femoral head necrosis in uremic children without steroid treatment or transplantation. Mehls O, et al. **J Pediatr** 1981 Dec;99(6):926–9

Incidence of avascular necrosis of the femoral head in congenital hip dislocation related to the degree of abduction during preliminary traction. Fogarty EE, et al. **J Pediatr Orthop** 1981;1(3):307–11

Osteomalacia, pseudosacroiliitis and necrosis of the femoral heads in Fanconi syndrome in an adult. Gaucher A, et al. **J Rheumatol** 1981 May–Jun;8(3):512–5

Ischemic necrosis of the contralateral hip as a possible complication of untreated congenital hip dislocation. Wechsler RJ, et al. **Skeletal Radiol** 1981;6(4):279–80

Long-term hemodialysis in a patient with primary amyloidosis, renal failure, and a vascular necrosis of the femoral heads. Suzuki H, et al. **South Med J** 1982 Aug; 75(8):1018–20

[Osteonecrosis of the femur head in kidney transplant patients] Benoit J, et al. **Acta Orthop Belg** 1981 Mar–Apr; 47(2):275–84 **(Fre)**

[Aseptic necrosis of the femur head. Pathogenesis: the theory of circulation] Ficat RP. **Acta Orthop Belg** 1981 Mar–Apr; 47(2):198–9 **(Fre)**

[Bone necrosis following kidney transplantation. Results of 15 years' experience] Rombouts JJ, et al. **Acta Orthop Belg** 1981 Mar–Apr;47(2):242–74 (Eng. Abstr.) **(Fre)**

[Known and presumed etiologies of so-called aseptic necrosis of the femur head] Rombouts-Lindemans C, et al. **Acta Orthop Belg** 1981 Mar–Apr;47(2):178–90 (Eng. Abstr.) **(Fre)**

[So-called idiopathic femur head necrosis] Vincent A. **Acta Orthop Belg** 1981 Mar–Apr;47(2):175–7 **(Fre)**

[2 cases of osteochondromatosis of the hip complicated by osteonecrosis of the femoral head] Augereau B, et al. **Rev Rhum Mal Osteoartic** 1981 Jul–Sep;48(7–9):591–3 **(Fre)**

[Osteonecrosis of the femoral head in Waldenström's disease] Ghozlan R, et al. **Rev Rhum Mal Osteoartic** 1981 Nov; 48(11):721–3 **(Fre)**

[The influence of primary closed reduction on the incidence of posttraumatic femoral head necrosis (author's transl)] Hertz H, et al. **Unfallchirurgie** 1982 Feb;8(1):41–7 (Eng. Abstr.) **(Ger)**

[Necrosis of the head of the femur as a complication of the medial fracture of the neck of the femur (author's transl)] Pelzl H. **Unfallchirurgie** 1982 Apr;8(2):105–11 (Eng. Abstr.) **(Ger)**

[Can the late consequences of a median femoral neck fracture be predicted?] Machan FG. **Z Arztl Fortbild (Jena)** 1981 Apr 1;75(7):309–11 **(Ger)**

[The aetiology of avascular necrosis following a treatment of congenital hip dislocation and its relationship to a classical Legg–Calvé–Perthes' disease] Batory I. **Z Orthop** 1981 Oct;119(5):498–503 (Eng. Abstr.) **(Ger)**

[Animal-experimental foundations of the latent ischaemical phase as the aetiological factor of Legg–Calve–Perthes' disease (author's transl)] Batory I. **Z Orthop** 1982 Feb; 120(1):48–52 **(Ger)**

[Dysplasia epiphysealis capitis femoris of primary hypoplastic vessel-development of the proximal epiphysis of femur (author's transl)] Batory I. **Z Orthop** 1982 Apr; 120(2):177–90 **(Ger)**

[Aseptic necrosis of the femur head in hemophiliacs] Perri G, et al. **Radiol Med (Torino)** 1982;68(3):137–40 **(Ita)**

[Dystrophic changes in the femur head after conservative treatment or congenital hip dislocation] Dogonadze MA. **Ortop Travmatol Protez** 1981 Oct;(10):34–7 (Eng. Abstr.) **(Rus)**

[The nature of posttraumatic aseptic femur head necrosis in children and adolescents] Krisiuk AP, et al. **Ortop Travmatol Protez** 1981 Jan;(1):33–7 (Eng. Abstr.) **(Rus)**

[Aseptic bone necrosis in patients with rheumatoid arthritis] Erov NK, et al. **Ter Arkh** 1981;53(7):28–30 (Eng. Abstr.) **(Rus)**

[Roentgenological changes in the bones in patients with chronic kidney failure after kidney transplantation] Rabkin IKh, et al. **Ter Arkh** 1981;53(10):122–5 **(Rus)**

[Aseptic osteonecrosis of the femoral head in patients with kidney transplants (case report and a review of the literature)] Pavlović NM, et al. **Acta Med Iugosl** 1981; 35(4):269–76 (Eng. Abstr.) **(Scr)**

[Progressive reduction and aseptic necrosis in congenital hip luxation] Fernández Herrera E. **Bol Med Hosp Infant Mex** 1981 Jan–Feb;38(1):55–70 (Eng. Abstr.) **(Spa)**

OCCURRENCE

The incidence of Perthes' disease in three population groups in the Eastern Cape region of South Africa. Purry NA. **J Bone Joint Surg [Br]** 1982;64(3):286–8

[The occurrence of Perthes disease in African patients (author's transl)] Bobek V. **Acta Chir Orthop Traumatol Cech** 1981;48(6):562–4 (Eng. Abstr.) **(Cze)**

PATHOLOGY

The repair process in experimentally induced avascular necrosis of the femoral head in dogs. Takaoka K, et al. **Arch Orthop Trauma Surg** 1981;99(2):109–15

A review of the morphology of Perthes' disease. Catterall A, et al. **J Bone Joint Surg [Br]** 1982;64(3):269–75

[Pathologic anatomy of idiopathic aspect necrosis of the femur head] Noel H, et al. **Acta Orthop Belg** 1981 Mar–Apr; 47(2):191–7 **(Fre)**

[Boundaries between the physiological and the beginnings of pathology in the development of the proximal femoral epiphysis (author's transl)] Batory I. **Z Orthop** 1981 **Aug**; 119(4):374–81 (Eng. Abstr.) **(Ger)**

[Experimental study on avascular necrosis of the femoral head (author's transl)] Ohta K. **Nippon Seikeigeka Gakkai Zasshi** 1980 Dec; 54(12):1693–705 (Eng. Abstr.) **(Jpn)**

[Experimental study of vascular bundle transplantation to femoral head of young mongrel dog (author's transl)] Sakamoto H. **Nippon Seikeigeka Gakkai Zasshi** 1981 Jan; 55(1):59–69 (Eng. Abstr.) **(Jpn)**

PHYSIOPATHOLOGY

The role of blood vessels within the ligamentum teres in Perthes' disease. Iwasaki K. **Clin Orthop** 1981 Sep; (159):248–56

Intra-osseous venous pressure in Legg–Perthes disease. Green NE, et al. **J Bone Joint Surg [Am]** 1982 Jun; 64(5):666–71

The natural history of Legg–Calvé–Perthes disease. Stulberg SD, et al. **J Bone Joint Surg [Am]** 1981 Sep; 63A(7):1095–108

Three-dimensional finite element analysis of Legg–Calve–Perthes disease. Rab GT, et al. **J Pediatr Orthop** 1982 Mar;2(1):39–44

[Modification of skeletal maturation in Perthes' disease (author's transl)] de Guembecker W, et al. **Rev Chir Orthop** 1981;67(4):473–8 (Eng. Abstr.) **(Fre)**

[Biology of the femoral head necrosis. Clinical studies (author's transl)] Glimcher MJ, et al. **Rev Chir Orthop** 1981; 67(3):181–6 (Eng. Abstr.) **(Fre)**

[Examination of the blood supply of the head of the femur in idiopathic necrosis (author's transl)] Kováč M, et al. **Acta Chir Orthop Traumatol Cech** 1981 Oct;48(5):411–5 (Eng. Abstr.) **(Slo)**

RADIOGRAPHY

Early assessment of prognosis in Perthes' disease. Danielsson L, et al. **Acta Orthop Scand** 1982 Aug;53(4):605–11

Perthes' disease: is the epiphysial infarction complete? Catterall A, et al. **J Bone Joint Surg [Br]** 1982;64(3):276–81

[Arteriography in primary necrosis of the femur head] Theron J. **Acta Orthop Belg** 1981 Mar–Apr;47(2):225–9 **(Fre)**

[Synopsis of diagnostic and prognostic signs in Perthes' disease (author's transl)] Engelhardt P, et al. **Orthopade** 1982 Jan;11(1):3–10 **(Ger)**

[Perthes' disease, symptomatic atypical juvenile osteochondroses of the femoral epiphysis and skeletal retardation (author's transl)] Mau H. **Z Orthop** 1981 Aug; 119(4):366–73 (Eng. Abstr.) **(Ger)**

RADIONUCLIDE IMAGING

Early prediction of avascular necrosis of the femoral head following femoral neck fractures. Lucie RS, et al. **Clin Orthop** 1981 Nov–Dec;(161):207–14

Diagnosis of ischemic necrosis of the hip [letter] Easton EJ Jr. **JAMA** 1982 Jun 25;247(24):3313–4

Nonvisualization of the femoral head in 99mTc-sulfur colloid medullary osteoscintigraphy. Lecklitner ML, et al. **Semin Nucl Med** 1981 Oct;11(4):322–4

[Bone scintigraphy in idiopathic osteonecrosis of the femur head] Marchandise X, et al. **Acta Orthop Belg** 1981 Mar–Apr;47(2):236–8 **(Fre)**

[A computer macro-programme for osteoscintimetry and activity profile in Perthe's disease (author's transl)] Lammer J, et al. **ROFO** 1982 Jan;136(1):14–21 (Eng. Abstr.) **(Ger)**

[Experimental studies on the reparative processes of infarcted capital femoral epiphysis in puppies—with special reference to the correlation of radionuclide (99mTc-MDP) uptake with radiological and pathohistological changes (author's transl)] Hayashi M. **Nippon Seikeigeka Gakkai Zasshi** 1981 Jul;55(7):697–712 (Eng. Abstr.) **(Jpn)**

REHABILITATION

[Selected orthopedic syndromes in newborn infants, children and adolescents—their therapy and medical rehabilitation] Freude AD. **Z Arztl Fortbild (Jena)** 1981 May 15; 75(10):449–51 **(Ger)**

SURGERY

Idiopathic necrosis of the femoral head: pathogenesis and treatment. Solomon L. **Can J Surg** 1981 Nov;24(6):573–8

New surgical approach in pediatric femoral head avascular necrosis. Di JD, et al. **Chin Med J [Engl]** 1982 Jan;

95(1):31–9
A comparison between innominate osteotomy and hip spica in the treatment of Legg–Perthes' disease. Ingman AM, et al. **Clin Orthop** 1982 Mar;(163):141–7
Muscle–pedicle bone graft and cancellous bone graft for the 'silent hip' of idiopathic ischemic necrosis of the femoral head in adults. Lee CK, et al. **Clin Orthop** 1981 Jul–Aug;(158):185–94
Total hip arthroplasty for avascular necrosis of the femur in systemic lupus erythematosus. Prupas HM, et al. **Clin Orthop** 1981 Nov–Dec;(161):186–90
Transtrochanteric rotational osteotomy of the femoral head for the treatment of osteonecrosis. Follow–up statistics. Sugioka Y, et al. **Clin Orthop** 1982 Sep;(169):115–26
Vascular microsurgery in orthopaedics. Judet H, et al. **Int Orthop** 1981;5(2):61–8
Avascular necrosis of the femoral head: a review of the indications and results of Sugioka's transtrochanteric rotational osteotomy. Kotz R. **Int Orthop** 1981;5(1):53–8
Treatment concepts for proximal femoral ischemic necrosis complicating congenital hip disease. Thomas CL, et al. **J Bone Joint Surg [Am]** 1982 Jul;64(6):817–28
Innominate osteotomy for Perthes' disease. Stevens PM, et al. **J Pediatr Orthop** 1981;1(1):47–54
Selective surgical containment for Legg–Perthes disease: recognition and management of complications. Wenger DR. **J Pediatr Orthop** 1981;1(2):153–60
Aseptic necrosis of the femoral head after pregnancy. Hattori A, et al. **Nippon Geka Hokan** 1981 May;50(3):534–8
[Research work on traumatic ischemic necrosis of the femoral head in the recent 15 years (author's transl)] Cai RB. **Chung Hua I Hsueh Tsa Chih** 1981 Sep;61(9):559–62 **(Chi)**
[A new method of treatment for Legg–Perthes disease (author's transl)] Di JD, et al. **Chung Hua Wai Ko Tsa Chih** 1981 Jan;19(1):14–8 (Eng. Abstr.) **(Chi)**
[Surgical treatment of Calvé–Legg–Perthes disease (author's transl)] Gabrielová Z, et al. **Acta Chir Orthop Traumatol Cech** 1981 Jun;48(3):224–33 (Eng. Abstr.) **(Cze)**
[Transposition of the greater trochanter in disorders of the hip joint (author's transl)] Pavlanský R, et al. **Acta Chir Orthop Traumatol Cech** 1982 Apr;49(2):106–10 (Eng. Abstr.) **(Cze)**
[Management of idiopathic necrosis of the femur head using the adjusted cup with cylindrical support] Gerard Y. **Acta Orthop Belg** 1981 Mar–Apr;47(2):309–15 **(Fre)**
[Attempt at revascularization of necrotizing femur head] Judet J, et al. **Acta Orthop Belg** 1981 Mar–Apr;47(2):288–9 **(Fre)**
[Rotational 90 degrees Posterior osteotomy in the treatment of necrosis of the femur head] Kempf I, et al. **Acta Orthop Belg** 1981 Mar–Apr;47(2):290–300 **(Fre)**
[Total prostheses in primary necrosis of the femur head] Postel M. **Acta Orthop Belg** 1981 Mar–Apr;47(2):316–8 **(Fre)**
[The adjusted cup in primary necroses of the femur head] Postel M, et al. **Acta Orthop Belg** 1981 Mar–Apr; 47(2).303–8 **(Fre)**
[Revascularization of the femoral head for avascular necrosis (author's transl)] Judet H, et al. **Rev Chir Orthop** 1981; 67(3):261–6 (Eng. Abstr.) **(Fre)**
[On the surgical treatment of Perthes' disease in older children (author's transl)] Ganz R. **Orthopade** 1982 Jan; 11(1):21–3 **(Ger)**
[Varisation osteotomy in Perthes' disease (author's transl)] Kaufmann L, et al. **Orthopade** 1982 Jan;11(1):11–2 **(Ger)**
[Transtrochanteric rotational osteotomy for idiopathic avascular necrosis of the femoral head (author's transl)] Hanslik L, et al. **Z Orthop** 1981 Oct;119(5):504–11 (Eng. Abstr.) **(Ger)**
[Surgical treatment of aseptic necrosis of the head of the femur by transtrochanteric rotation osteotomy after Sugioka (author's transl)] Reichelt A. **Z Orthop** 1982 May–Jun;120(3):216–20 (Eng. Abstr.) **(Ger)**
[Results of treatment of Perthes' disease by intertrochanteric adduction osteotomy with and without postoperative splint relief (author's transl)] Störig E, et al. **Z Orthop** 1982 May–Jun;120(3):226–9 (Eng. Abstr.) **(Ger)**
[Surgical treatment of primary and secondary aseptic necrosis of the femur head in adults] Torretta F, et al. **Chir Ital** 1982 Apr;34(2):344–57 **(Ita)**
[Results of surgical treatment of Perthes' disease] Małkowski Z. **Chir Narzadow Ruchu Ortop Pol** 1981;46(4):381–6 (Eng. Abstr.) **(Pol)**
[Idiopathic aseptic necrosis of the femoral head] Vrevc F. **Reumatizam** 1981;28(4):126–9 (Eng. Abstr.) **(Scr)**

THERAPY

Operative versus conservative treatment of Calvé–Legg–Perthes disease. Edvardsen P, et al. **Acta Orthop Scand** 1981 Oct;52(5):553–9
Legg–Calvé–Perthes disease: a study of lower extremity length discrepancies and skeletal maturation. Shapiro F. **Acta Orthop Scand** 1982 Jun;53(3):437–44
Perthes' disease. Treatment with the Birmingham splint. Harrison MH, et al. **J Bone Joint Surg [Br]** 1982;64(1):3–11
The management of Perthes' disease [editorial] Lloyd–Roberts GC. **J Bone Joint Surg [Br]** 1982;64(1):1–2
The treatment of Perthes' disease. The results of a trial of management. Muirhead–Allwood W, et al. **J Bone Joint Surg [Br]** 1982;64(3):282–5
Office management in Legg–Calve–Perthes syndrome. Cotler JM. **Orthop Clin North Am** 1982 Jul;13(3):619–27
[Conservative treatment of Perthes' disease: additional therapy with plaster extension in acute Perthes' disease (author's transl)] Brunner C. **Orthopade** 1982 Jan; 11(1):19–20 **(Ger)**
[Follow–up results in Perthes' disease after more than 40 years. The first case histories from the Balgrist Clinic (author's transl)] Engelhardt P. **Orthopade** 1982 Jan; 11(1):25–31 **(Ger)**
[Results of three different methods of treating Perthes' disease (author's transl)] Jani L. **Orthopade** 1982 Jan;11(1):13–7 **(Ger)**
[Treatment of Perthes disease by functional method] Kiepurska A. **Chir Narzadow Ruchu Ortop Pol** 1981; 46(2):159–64 (Eng. Abstr.) **(Pol)**
[Remote results of treatment of Perthes' disease by the functional method] Kiepurska A. **Chir Narzadow Ruchu Ortop Pol** 1981;46(3):257–63 (Eng. Abstr.) **(Pol)**

VETERINARY

Isolation of avian reovirus as a possible etiologic agent of osteoporosis ('brittle bone disease'; 'femoral head necrosis') in broiler chickens. van der Heide L, et al. **Avian Dis** 1981 Oct–Dec;25(4):847–56

FEMUR NECK

Fibromyxoma of the femoral neck. Adler CP. **J Cancer Res Clin Oncol** 1981;101(2):183–9
[Chronic osteitis of the femur neck in children] Valdiserri L, et al. **Chir Organi Mov** 1981;66(5):355–61 (Eng. Abstr.) **(Ita)**

ABNORMALITIES

[2–stage correction of varus deformity of the femur neck] Kolesnikov IuP. **Ortop Travmatol Protez** 1981 Oct; (10):55–6 **(Rus)**

ANATOMY & HISTOLOGY

The calcar femorale redefined. Griffin JB. **Clin Orthop** 1982 Apr;(164):211–4

BLOOD SUPPLY

Intra–osseous venous pressure in Legg–Perthes disease. Green NE, et al. **J Bone Joint Surg [Am]** 1982 Jun; 64(5):666–71

PHYSIOLOGY

The relationship between bone density, mineral content, and mechanical strength in the femoral neck. Leichter I, et al. **Clin Orthop** 1982 Mar;(163):272–81
[Antetorsion of the femoral neck] Bedouelle J. **Rev Chir Orthop** 1982;68(1):5–13 **(Fre)**
[Measurement of hip joint loading under anatomical conditions] Sotirow B. **Chir Narzadow Ruchu Ortop Pol** 1981;46(3):265–70 **(Pol)**

PHYSIOPATHOLOGY

[Consequences of femoral neck torsion on the hip] Jaeger JH. **Rev Chir Orthop** 1982;68(1):47–9 **(Fre)**

RADIOGRAPHY

Herniation pit of the femoral neck. Pitt MJ, et al. **AJR** 1982 Jun;138(6):1115–21
The accuracy of CT–determined femoral neck anteversion. Bjersand AJ, et al. **Eur J Radiol** 1982 Feb;2(1):1–4
Measurement accuracy of proximal femoral geometry using biplanar radiography. Burr DB, et al. **J Pediatr Orthop** 1981;1(2):171–9

RADIONUCLIDE IMAGING

Accumulation of 99m Tc–methylene diphosphonate in a so–called conversion defect of the femoral neck. Shigeno C, et al. **Eur J Nucl Med** 1981;6(9):421–3

SURGERY

Unconventional bone grafting in femoral neck reconstruction. Report of a case. Jiang HL, et al. **Chin Med J [Engl]** 1982 Mar;95(3):159–62
Cementing v. not cementing the Monk endoprosthesis. Lausten GS, et al. **Injury** 1982 May;13(6):484–8
Avascular necrosis of the femoral head: a review of the indications and results of Sugioka's transtrochanteric rotational osteotomy. Kotz R. **Int Orthop** 1981;5(1):53–8
[Rotational anterior osteotomy of the femur neck and head] Judet J, et al. **Acta Orthop Belg** 1981 Mar–Apr;47(2):301–2 **(Fre)**
[Transtrochanteric rotational osteotomy for idiopathic avascular necrosis of the femoral head (author's transl)] Hanslik L, et al. **Z Orthop** 1981 Oct;119(5):504–11 (Eng. Abstr.) **(Ger)**
[Osteotomy of the femur in osteoarthritis of the hip] Ueno R. **Nippon Seikeigeka Gakkai Zasshi** 1982 May;56(5):439–52 **(Jpn)**
[Modification of Kriuk's operation in treating varus deformity of the femur neck in adults] Miller BS. **Ortop Travmatol Protez** 1982;(5):39–40 (Eng. Abstr.) **(Rus)**

FENBENDAZOLE see under **BENZIMIDAZOLES**

FENCHLORPHOS

ADVERSE EFFECTS

[Histochemical studies on the effect of fenchlorphos (0,0–dimethyl–0–2,4,5–trichlophenyl thiophosphate) on perfused liver of albino rat] Sawicki B, et al. **Patol Pol** 1981;32(1):79–88 (Eng. Abstr.) **(Pol)**

ANALYSIS

[Determination of dermafos (fenchlorphos) residues in the tissues of hens and rabbits after single oral dose of pure and technical preparations] Zasadowski A. **Pol Arch Weter** 1981;23(1):143–57 (Eng. Abstr.) **(Pol)**

PHARMACODYNAMICS

Effects of ronnel on growth, endocrine function and blood measurements in steers and rats. Rumsey TS, et al. **J Anim Sci** 1981 Jul;53(1):217–25

POISONING

Effect of fenchlorphos intoxication on the respiration of brain mitochondria of rats at different age. Sitkiewicz D, et al. **Neuropatol Pol** 1981 Apr–Jun;19(2):209–16

FENCLONINE see **P-CHLOROPHENYLALANINE**

FENCLOZIC ACID see under **THIAZOLES**

FENDILINE see under **PHENETHYLAMINES**

FENELZIN see **PHENELZINE**

FENESTRATION

[Spontaneous bone closure of footplate fenestrations] Martin H, et al. **J Fr Otorhinolaryngol** 1981 Nov;30(9):581–3 **(Fre)**

CLASSIFICATION

[Reconsideration of the principles of classification of tympanoplasties] Ataman T. **Rev Chir [Otorinolaringol]** 1982 Jan–Mar;27(1):13–9 (Eng. Abstr.) **(Rum)**

METHODS

Round table : special problems in otospongiosis. Marquet J. **Acta Otorhinolaryngol Belg** 1981;35(5–6):489

FENFLURAMINE

Drug preferences in humans. Johanson CE, et al. **Fed Proc** 1982 Feb;41(2):228–33
Effect of fenfluramine and nicotine upon a stimulant–depressant continuum. Schechter MD. **Pharmacol Biochem Behav** 1981 Sep;15(3):371–5

ADMINISTRATION & DOSAGE

Psychostimulant self–administration by beagle dogs in a progressive–ratio paradigm. Risner ME, et al. **Psychopharmacology (Berlin)** 1981;75(1):25–30
[Chronotherapy of obesity. II. Variations in eating behavior in the obese after fenfluramine treatment in relation to time of administration] Di Vincenzo M, et al. **Boll Soc Ital Biol Sper** 1982 Jun 30;58(12):740–4 (Eng. Abstr.) **(Ita)**
[Chronotherapy of obesity. I. Effect of fenfluramine on the decrease of adipose mass in the obese, in relation to the time of administration] Guagnano MT, et al. **Boll Soc Ital Biol Sper** 1982 Jun 30;58(12):736–9 (Eng. Abstr.) **(Ita)**

ADVERSE EFFECTS

Pulmonary hypertension and fenfluramine [letter] Doogan DP. **Br Med J [Clin Res]** 1982 May 8;284(6326):1403
Pulmonary hypertension and fenfluramine. Douglas JG, et al. **Br Med J [Clin Res]** 1981 Oct 3;283(6296):881–3
Pulmonary hypertension and fenfluramine [letter] Wheeley MS. **Br Med J [Clin Res]** 1981 Nov 21;283(6303):1399

ANALOGS & DERIVATIVES

Is receptor activation involved in the mechanism by which (+)–fenfluramine and (+)–norfenfluramine deplete 5–hydroxytryptamine in the rat brain? Invernizzi R, et al. **Br J Pharmacol** 1982 Mar;75(3):525–30
Effect of (+)– or (–)–enantiomers of fenfluramine or norfenfluramine on nutrient selection by rats. Hirsch JA, et al. **J Pharm Pharmacol** 1982 Jan;34(1):18–21

ANTAGONISTS & INHIBITORS

An in vivo useful tool to evaluate the activity of serotonin uptake inhibitors: prevention by chlorimipramine of the prolactin releasing action of d–fenfluramine. Quattrone A, et al. **Adv Biochem Psychopharmacol** 1982;31:229–34

METABOLISM

Kinetics of fenfluramine isomers in the rat. Caccia S, et al. **Eur J Drug Metab Pharmacokinet** 1981;6(4):297–301

PHARMACODYNAMICS

Comparison of the release of [3H]dopamine from isolated corpus striatum by amphetamine, fenfluramine and unlabelled dopamine. Liang NY, et al. **Biochem Pharmacol** 1982 Mar 15;31(6):983–92

The effect of fenfluramine on the microstructure of feeding and drinking in the rat. Burton MJ, et al. **Br J Pharmacol** 1981 Apr;72(4):621–33

Is receptor activation involved in the mechanism by which (+)-fenfluramine and (+)-norfenfluramine deplete 5-hydroxytryptamine in the rat brain? Invernizzi R, et al. **Br J Pharmacol** 1982 Mar;75(3):525–30

Dissociation of the antiaggression and serotonin-depleting effects of fenfluramine. McKenzie GM. **Can J Physiol Pharmacol** 1981 Aug;59(8):830–6

Effect of (+)- or (-)-enantiomers of fenfluramine or norfenfluramine on nutrient selection by rats. Hirsch JA, et al. **J Pharm Pharmacol** 1982 Jan;34(1):18–21

Effect of optical isomers of (+/-)-fenfluramine on pentobarbitone brain and plasma concentrations and sleeping time. Marzi E, et al. **J Pharm Pharmacol** 1981 Oct;33(10):677–9

Different action of 5-hydroxytryptamine (5-HT) uptake inhibitors on fenfluramine- but not p-chloramphetamine-induced hyperthermia in rats. Paełowski L. **J Pharm Pharmacol** 1981 Aug;33(8):538–40

Central mechanisms of fenfluramine and related anorectic drugs. Garattini S. **Jpn J Pharmacol** 1981;31 Suppl:29P–35P (26 ref.)

Serotonin depletion by fenfluramine in the carcinoid syndrome [letter] Stahl SM, et al. **N Engl J Med** 1982 Feb 18;306(7):429

Elevation of Met5-enkephalin and beta-endorphin hypothalamic content in rats receiving anorectic drugs: differences between D-fenfluramine and D-amphetamine. Harsing LG Jr, et al. **Neuropharmacology** 1982 Feb; 21(2):141–5

Ontogeny of fenfluramine and amphetamine anorexia compared in rat pups. Leshem M. **Pharmacol Biochem Behav** 1981 Dec;15(6):859–63

Differential effects of amphetamine and fenfluramine on dietary self-selection in rats. Orthen-Gambill N, et al. **Pharmacol Biochem Behav** 1982 Feb;16(2):303–9

The effects of quipazine, fenfluramine and apomorphine on the morphine potentiation of tonic immobility. Wallnau LB. **Pharmacol Biochem Behav** 1981 Dec;15(6):895–901

Effect of chronic administration of DL-amphetamine and fenfluramine on adrenocortical functions and on certain aspects of carbohydrate and fat metabolism. Hamdy MA, et al. **Pharmazie** 1982 Mar;37(3):206–8

Alteration of the disruptive effect of fenfluramine on food consumption in the rat by repeated post-session administration of d-amphetamine. Hunsinger RN, et al. **Psychopharmacology (Berlin)** 1981;75(4):358–62

Differences in the effects of d-fenfluramine and morphine on various responses of rats to painful stimuli. Rochat C, et al. **Psychopharmacology (Berlin)** 1982;76(2):188–92

THERAPEUTIC USE

Couples training, pharmacotherapy, and behavior therapy in the treatment of obesity. Brownell KD, et al. **Arch Gen Psychiatry** 1981 Nov;38(11):1224–9

Preliminary observations on the effect of fenfluramine on blood serotonin and symptoms in three autistic boys. Geller E, et al. **N Engl J Med** 1982 Jul 15;307(3):165–9

[Activity of fenfluramine in obese subjects. Relation between dosage, plasma concentration of the drug and its effect on weight loss] Magnoni V, et al. **Minerva Med** 1982 Jun 8; 73(24):1703–10 (Eng. Abstr.) **(Ita)**

FENFORMIN see **PHENFORMIN**

FENILBUTAZON see **PHENYLBUTAZONE**

FENITOIN see **PHENYTOIN**

FENITROTHION

ANALOGS & DERIVATIVES

Spontaneous reactivation of fenitro-oxon-inhibited plasma cholinesterase in various mammals. Matsubara T, et al. **J Pharmacobiodyn** 1982 Mar;5(3):155–61

Synthesis of 14C labelled o,o-dimethyl o-(3-carboxy-4-nitrophenyl) phosphorothioate. Yoshitake A, et al. **Radioisotopes** 1981 Jul;30(7):394–6

ANALYSIS

Vapour phase photochemistry of fenitrothion and aminocarb. Addison JB. **Bull Environ Contam Toxicol** 1981 Aug; 27(2):250–5

Persistence of formulated fenitrothion in distilled, estuarine, and lake water microcosms in dynamic and static systems. Weinberger P, et al. **Bull Environ Contam Toxicol** 1982 Apr;28(4):484–9

Analysis of fenitrothion and metabolites in stored wheat. Abdel-Kader MH, et al. **Int J Environ Anal Chem** 1982; 11(2):153–65

A rapid, colorimetric, procedure for determination of fenitrothion. Desmarchelier JM. **J Environ Sci Health [B]** 1981;B16(4):419–26

The fate of fenitrothion in a stream environment and its effect on the fauna, following aerial spraying of a Scottish forest. Morrison BR, et al. **Sci Total Environ** 1981 Jul;19(3):233–52

METABOLISM

A degradation product of fenitrothion, 3-methyl-4-nitrophenol, is an inhibitor of mammalian ribonucleotide reductase. Wright JA, et al. **Bull Environ Contam Toxicol** 1982 Apr;28(4):480–3

Comparison of the effect of an equimolar and low dose of fenitrothion and methylparathion on their own metabolism in rat liver. Yamamoto T, et al. **J Toxicol Sci** 1982 Feb; 7(1):35–41

PHARMACODYNAMICS

Brain cholinesterase response in songbirds exposed to experimental fenitrothion spraying in New Brunswick, Canada. Busby DG, et al. **Bull Environ Contam Toxicol** 1981 Mar;26(3):401–6

Inhibition of brain acetylcholinesterase activity in songbirds exposed to fenitrothion during aerial spraying of forests. Hamilton GA, et al. **Bull Environ Contam Toxicol** 1981 Dec;27(6):856–63

Difference in fenitrothion-inhibited rat plasma cholinesterase activities determined by delta pH-method and DTNB-method, due to spontaneous reactivation. Matsubara T, et al. **J Pharmacobiodyn** 1981 Jul;4(7):497–504

Sumithion-induced hyperglycemia in the freshwater rice field crab Oziotelphusa senex senex Fabricius. Bhagyalakshmi A, et al. **Toxicol Lett** 1982 Jul;12(2-3):91–3

Increase of adrenal weight in rats by the repeated administration of fenitrothion. Yamamoto T, et al. **Toxicol Lett** 1982 Apr;11(1-2):187–91

[Biorhythm changes in DNA synthesis in hepatocytes exposed to organophosphates and strontium-89] Burkova T, et al. **Probl Khig** 1981;6:92–100 (Eng. Abstr.) **(Bul)**

TOXICITY

Biochemical effects of some organophosphorus insecticide on new targets in white rats. El-Sebae AH, et al. **J Environ Sci Health [B]** 1981;B16(4):475–91

Studies on chronic toxicity of the low levels of O, O-dimethyl O-(3-methyl-4-nitrophenyl) phosphorothionate (sumithion) in the rat. Kanoh S, et al. **J Toxicol Sci** 1982 Feb;7(1):43–50

Behavioral toxicity of chronic administration of fenitrothion in rats. Rondeau DB, et al. **Neurobehav Toxicol Teratol** 1981 Fall;3(3):313–9

A 30-day toxicity study of inhaled fenitrothion in the albino rat. Breckenridge C, et al. **Toxicol Appl Pharmacol** 1982 Jan;62(1):32–43

Morphological assessment of fenitrothion pulmonary toxicity in the rat. Chevalier G, et al. **Toxicol Appl Pharmacol** 1982 Mar 30;63(1):91–104

Subacute toxicity in rats of orally administered fenitrothion alone and in a selected formulation. Durham HD, et al. **Toxicol Appl Pharmacol** 1982 Mar 15;62(3):455–64

Effects of fenitrothion and carbaryl on Xenopus laevis development. Elliott-Feeley E, et al. **Toxicology** 1981/82; 22(4):319–35

[Teratogenic effect of the pesticide preparation metathion] Rashev Z, et al. **Vet Med Nauki** 1982;19(1):79–89 (Eng. Abstr.) **(Rus)**

FENMETRAZIN see **PHENMETRAZINE**

FENOPROFEN see under **PHENYLPROPIONATES**

FENOTEROL see under **ETHANOLAMINES**

FENSPIRIDE see under **SPIRO COMPOUNDS**

FENSULFOTHION see under **INSECTICIDES, ORGANOTHIOPHOSPHATE**

FENTANYL

Pain and myoclonus during induction with etomidate. A double-blind, controlled evaluation of the influence of droperidol and fentanyl. Helmers JH, et al. **Acta Anaesthesiol Belg** 1981;32(2):141–7

Hemodynamic consequences of defence area stimulation and afferent somatic nerve stimulation during fentanyl-nitrous oxide anesthesia. Modifying effects of droperidol. Biber B, et al. **Acta Anaesthesiol Scand** 1981 Aug;25(4):336–43

Attenuation of the circulatory response to laryngoscopy and intubation by fentanyl. Kautto UM. **Acta Anaesthesiol Scand** 1982 Jun;26(3):217–21

Effects of fentanyl on respiratory pressure-volume relationship in supine anesthetized children. Marty J, et al. **Acta Anaesthesiol Scand** 1981 Jun;25(3):293–6

Myocardial oxygen consumption and coronary haemodynamics during fentanyl-droperidol-nitrous oxide anaesthesia in patients with ischaemic heart disease. Reiz S, et al. **Acta Anaesthesiol Scand** 1981 Jun;25(3):286–92

The role of halothane and fentanyl in the production of balanced anaesthesia. Tammisto T, et al. **Acta Anaesthesiol Scand** 1982 Jun;26(3):225–30

Epidural fentanyl in labour. Carrie LE, et al. **Anaesthesia** 1981 Oct;36(10):965–9

Midazolam/fentanyl. A total intravenous technique for short procedures. Holmes CM, et al. **Anaesthesia** 1982 Jul; 37(7):761–5

Disoprofol and fentanyl for total intravenous anaesthesia. Major E, et al. **Anaesthesia** 1982 May;37(5):541–7

A comparison of alfentanil and fentanyl in short operations with special reference to their duration of action and postoperative respiratory depression. van Leeuwen L, et al. **Anaesthesist** 1981 Aug;30(8):397–9

Comparison of sufentanil—O2 and fentanyl—02 for coronary artery surgery. de Lange S, et al. **Anesthesiology** 1982 Feb; 56(2):112–8

Hemodynamic changes prior to and after sternotomy in patients anesthetized with high-dose fentanyl. Edde RR. **Anesthesiology** 1981 Oct;55(4):444–6

Myocardial functional and metabolic responses to ischemia in swine during halothane and fentanyl anesthesia. Merin RG, et al. **Anesthesiology** 1982 Feb;56(2):84–92

Histamine release during morphine and fentanyl anesthesia. Rosow CE, et al. **Anesthesiology** 1982 Feb;56(2):93–6

A controlled trial of extradural fentanyl in labour. Justins DM, et al. **Br J Anaesth** 1982 Apr;54(4):409–14

Etomidate and fentanyl for maintenance of anaesthesia. Lees NW, et al. **Br J Anaesth** 1981 Sep;53(9):959–61

Fentanyl-etomidate anesthesia for cardioversion. Hagemeijer F, et al. **Eur Heart J** 1982 Apr;3(2):155–8

Fentanyl and azaperone produced neuroleptanalgesia in the sea otter (Enhydra lutris). Williams TD, et al. **J Wildl Dis** 1981 Jul;17(3):337–42

Metomidate, etomidate and fentanyl as injectable anaesthetic agents in mice. Green CJ, et al. **Lab Anim** 1981 Apr; 15(2):171–5

Variation of rat serum biochemical values following decapitation or anesthesia with ether, halothane or Innovar-VetR: rapid Innovar-VetR-induced hyperuricemia and hyperglycemia. Scott FW, et al. **Metabolism** 1982 May;31(5):514–9

[Neuroleptic anesthesia with buprenorphine (Temgesic) as an analgesic. A comparison with fentanyl (Haldid)] Hansen LK, et al. **Ugeskr Laeger** 1981 Dec 21;143(52):3547–50 (Eng. Abstr.) **(Dan)**

[The influence on the cardiovascular system of etomidate infusion anaesthesia combined with fentanyl/nitrous oxide (author's transl)] Hoffmann P, et al. **Anasth Intensivther Notfallmed** 1981 Dec;16(6):323–6 (Eng. Abstr.) **(Ger)**

[Variations in vasopressin (ADH)-levels during NLA combined with epidural fentanyl-analgesia (author's transl)] von Bormann B, et al. **Reg Anaesth** 1982 Jan; 5(1):7–10 (Eng. Abstr.) **(Ger)**

[A new anesthesthesiological technic for intraoperative arousal in scoliosis surgery] Teodori R, et al. **Minerva Anestesiol** 1981 Dec;47(12):865–8 (Eng. Abstr.) **(Ita)**

ADMINISTRATION & DOSAGE

Postoperative pain relief. Use of an on-demand analgesia computer (ODAC) and a comparison of the rate of use of fentanyl and alfentanyl. Kay B. **Anaesthesia** 1981 Oct; 36(10):949–51

Hormonal responses to high-dose fentanyl anaesthesia. A study in patients undergoing cardiac surgery. Sebel PS, et al. **Br J Anaesth** 1981 Sep;53(9):941–8

Effect of high-dose fentanyl anaesthesia on the metabolic and endocrine response to cardiac surgery. Walsh ES, et al. **Br J Anaesth** 1981 Nov;53(11):1155–65

[Comparative study of sequential analgesic anesthesia (SAA) with continuous-infusion analgesia by fentanyl] Rifat K, et al. **Ann Anesthesiol Fr** 1981;22(4):322–8 (Eng. Abstr.) **(Fre)**

[Haemodynamic effects of fentanyl in man during cardiac surgery (author's transl)] Hempelmann G, et al. **Anaesthesist** 1982 Mar;31(3):103–10 (Eng. Abstr.) **(Ger)**

[Epidural fentanyl analgesia for the relief of postoperative pain (author's transl)] Dietzel W, et al. **Anasth Intensivther Notfallmed** 1982 Feb;17(1):38–42 (Eng. Abstr.) **(Ger)**

[Peridural anesthesia and analgesia results in general surgery] Frings N, et al. **Chirurg** 1982 Mar;53(3):184–8 (Eng. Abstr.) **(Ger)**

[Plastic surgery under analgo sedation] Nassery W. **Z Plast Chir** 1981 Sep;5(3):143–9 (Eng. Abstr.) **(Ger)**

[Hemodynamic effects of high dose fentanyl anesthesia during induction, intubation and surgical stimulations in normal subjects (author's transl)] Ochiai R, et al. **Masui** 1982 Apr;31(4):350–5 (Eng. Abstr.) **(Jpn)**

[Comparative evaluation of myocardial contractility during multicomponent intravenous anesthesia based on drip infusion of ketamine and ataralgesia] Piliaeva IE, et al. **Anesteziol Reanimatol** 1982 May-Jun;(3):15–7 **(Rus)**

ADVERSE EFFECTS

Double-blind comparison of the postoperative respiratory depressant effects of alfentanil and fentanyl. Helmers JH, et al. **Acta Anaesthesiol Belg** 1982;33(1):13–21

Awareness during fentanyl anesthesia [letter] Mainzer J Jr. **Anesthesiology** 1982 Apr;56(4):331–2

[Anaphylactic shock during general anaesthesia due to

fentanyl and alloferin in a patient with positive skin test (author's transl)] Pevny I, et al. **Anaesthesist** 1981 Aug; 30(8):400–4 (Eng. Abstr.) **(Ger)**

[Anaphylactic reaction to Thalamonal and atropine] Djukanović R, et al. **Srp Arh Celok Lek** 1981 Aug; 109(8):1073–7 (Eng. Abstr.) **(Scc)**

ANALOGS & DERIVATIVES

Double-blind comparison of the postoperative respiratory depressant effects of alfentanil and fentanyl. Helmers JH, et al. **Acta Anaesthesiol Belg** 1982;33(1):13–21

Skeletal muscle circulation during sufentanyl and morphine anesthesia in propranolol treated dogs. Berthelsen P, et al. **Acta Anaesthesiol Scand** 1981 Feb;25(1):6–8

High-dose analgesic anesthesia with morphine or sufentanil in propranolol-treated dogs. Berthelsen P, et al. **Acta Anaesthesiol Scand** 1981 Oct;25(5):447–52

Early response in central hemodynamics to high doses of sufentanil or morphine in dogs. Eriksen J, et al. **Acta Anaesthesiol Scand** 1981 Feb;25(1):33–8

Postoperative pain relief. Use of an on-demand analgesia computer (ODAC) and a comparison of the rate of use of fentanyl and alfentanyl. Kay B. **Anaesthesia** 1981 Oct; 36(10):949–51

A comparison of alfentanil and fentanyl in short operations with special reference to their duration of action and postoperative respiratory depression. van Leeuwen L, et al. **Anaesthesist** 1981 Aug;30(8):397–9

Behind the identification of China White. Kram TC, et al. **Anal Chem** 1981 Oct;53(12):1379A–1386A

Pharmacokinetics of alfentanil in man. Camu F, et al. **Anesth Analg (Cleve)** 1982 Aug;61(8):657–61

Antidiuretic and growth hormone responses during coronary artery surgery with sufentanil–oxygen and alfentanil–oxygen anesthesia in man. de Lange S, et al. **Anesth Analg (Cleve)** 1982 May;61(5):434–8

Anesthetic induction with alfentanil: a new short-acting narcotic analgesic. Nauta J, et al. **Anesth Analg (Cleve)** 1982 Mar;61(3):267–72

Cardiovascular effects of sufentanil anesthesia. Sebel PS, et al. **Anesth Analg (Cleve)** 1982 Feb;61(2):115–9

Comparison of sufentanil--O2 and fentanyl--02 for coronary artery surgery. de Lange S, et al. **Anesthesiology** 1982 Feb; 56(2):112–8

Electroencephalographic effects of sufentanil anaesthesia in man. Bovill JG, et al. **Br J Anaesth** 1982 Jan;54(1):45–52

Comparative pharmacokinetics of fentanyl and alfentanil. Bower S, et al. **Br J Anaesth** 1982 Aug;54(8):871–7

Alfentanil–oxygen anaesthesia for coronary artery surgery. de Lange S, et al. **Br J Anaesth** 1981 Dec;53(12):1291–6

Alfentanil: a study of its analgesic activity and interactions with morphine in the mouse. Williams JG, et al. **Br J Anaesth** 1982 Jan;54(1):81–5

Identification and quantification of alpha-methylfentanyl in post mortem specimens. Gillespie TJ, et al. **J Anal Toxicol** 1982 May-Jun;6(3):139–42

Opiate receptor interaction of compounds derived from or structurally related to fentanyl. Lobbezoo MW, et al. **J Med Chem** 1981 Jul;24(7):777–82

3-Allyl analogues of fentanyl. Casy AF, et al. **J Pharm Pharmacol** 1982 Mar;34(3):210

The bogus drug: Three methyl & alpha methyl fentanyl sold as 'China White'. Ayres WA, et al. **J Psychoactive Drugs** 1981 Jan-Mar;13(1):91–3

[Interaction of seven 3-methyl fentanyl compounds with cerebroside sulfate (author's transl)] Zhou DH, et al. **Chung Kuo Yao Li Hsueh Pao** 1981 Dec;2(4):226–30 (Eng. Abstr.) **(Chi)**

[Studies on potent analgesics. II. Synthesis an analgesic activity of the derivatives of 3-methyl fentanyl (author's transl)] Zhu YC, et al. **Yao Hsueh Hsueh Pao** 1981 Feb; 16(2):97–104 (Eng. Abstr.) **(Chi)**

[Midazolam as an inducer, corrector and potentiator of analgesic anesthesia based on alfentanil] De Castro J, et al. **Arzneimittelforsch** 1981;31(12a):2251–4 (Eng. Abstr.) **(Fre)**

[Clinical pharmacokinetics of alfentanyl (author's transl)] Schüttler J, et al. **Anaesthesist** 1982 Jan;31(1):10–4 (Eng. Abstr.) **(Ger)**

[New experience in potentiated analgesic anesthesia (a single injection)] Steimberg D, et al. **Rev Esp Anestesiol Reanim** 1981 Nov;28(6):311–5 (Eng. Abstr.) **(Spa)**

ANALYSIS

Radioimmunoassay for fentanyl. Schleimer RP. **Methods Enzymol** 1982;84 Pt D:526–32

ANTAGONISTS & INHIBITORS

Reversal of the neuroleptanalgesic effect of droperidolfentanyl in the dog by 4-aminopyridine and naloxone. Booth NH, et al. **Am J Vet Res** 1982 Jul; 43(7):1227–31

Antagonism of the respiratory effects of alfentanil and fentanyl by naloxone in the conscious rabbit. Brown JH, et al. **Br J Anaesth** 1981 Oct;53(10):1033–7

BLOOD

Plasma protein binding and distribution of fentanyl, sufentanil, alfentanil and lofentanil in blood. Meuldermans WE, et al. **Arch Int Pharmacodyn Ther** 1982 May; 257(1):4–19

Comparative pharmacokinetics of fentanyl and alfentanil. Bower S, et al. **Br J Anaesth** 1982 Aug;54(8):871–7

Steady-state plasma fentanyl in the rabbit. Rigg JR, et al. **Br J Anaesth** 1981 Dec;53(12):1337–45

Plasma protein binding of fentanyl. Bower S. **J Pharm Pharmacol** 1981 Aug;33(8):507–14

The uptake of fentanyl by erythrocytes. Bower S. **J Pharm Pharmacol** 1982 Mar;34(3):181–5

Plasma protein binding of fentanyl: the effect of hyperlipoproteinaemia and chronic renal failure. Bower S. **J Pharm Pharmacol** 1982 Feb;34(2):102–6

Determination of plasma fentanyl by GC–mass spectrometry and pharmacokinetic analysis. Lin SN, et al. **J Pharm Sci** 1981 Nov;70(11):1276–9

Blood levels of fentanyl during multiple injections and intravenous infusions of low and high doses: approaching optimal conditions for 'stress-free anaesthesia'. Hess R, et al. **Methods Find Exp Clin Pharmacol** 1981;3 Suppl 1:107S–114S

[Prevention of fentanyl rebound by administration of cimetidine (author's transl)] Lauven PM, et al. **Anaesthesist** 1981 Sep;30(9):467–71 (Eng. Abstr.) **(Ger)**

METABOLISM

Tissue redistribution of fentanyl and termination of its effects in rats. Hug CC Jr, et al. **Anesthesiology** 1981 Oct; 55(4):369–75

[I. Metabolism by mouse tissue homogenates in vitro (author's transl)] Lehmann KA, et al. **Anaesthesist** 1981 Sep; 30(9):461–6 (Eng. Abstr.) **(Ger)**

[Biotransformation of fentanyl. II. Acute drug interactions in rats and men (author's transl)] Lehmann KA, et al. **Anaesthesist** 1982 May;31(5):221–7 (Eng. Abstr.) **(Ger)**

[Pharmacokinetics of intravenous narcotics (barbiturates and fentanyl) anesthesia and intensive care in patients with liver and kidney insufficiency] Rietbrock I. **Klin Anasthesiol Intensivther** 1981;23:59–70 **(Ger)**

PHARMACODYNAMICS

A consideration of prolonged succinylcholine paralysis with Innovar: is the cause droperidol or fentanyl? Lewis RA. **AANA J** 1982 Feb;50(1):55–9

Fentanyl in the fourth cerebral ventricle causes respiratory depression in the anesthetized but not in the awake dog. Freye E, et al. **Acta Anaesthesiol Scand** 1981 Apr; 25(2):171–3

Effect of fentanyl on the cortisol and hyperglycemic response to abdominal surgery. Haxholdt OS, et al. **Acta Anaesthesiol Scand** 1981 Oct;25(5):434–6

Influence of high dose fentanyl on cerebral blood flow and metabolism. Carlsson C, et al. **Acta Physiol Scand** 1981 Oct;113(2):271–2

Plasma epinephrine and norepinephrine levels during anesthesia: enflurane–N2O–O2 compared with fentanyl–N2O–O2. Brown FF 3d, et al. **Anesth Analg (Cleve)** 1982 Apr;61(4):366–70

Fentanyl reduces the intensity of painful tooth pulp sensations: controlling for detection of active drugs. Gracely RH, et al. **Anesth Analg (Cleve)** 1982 Sep; 61(9):751–5

Comparison of hemodynamic and hormonal effects of large single-dose fentanyl anesthesia and halothane/nitrous oxide anesthesia for coronary artery surgery. Zurick AM, et al. **Anesth Analg (Cleve)** 1982 Jun;61(6):521–6

Prevention of rigidity during fentanyl--oxygen induction of anesthesia. Hill AB, et al. **Anesthesiology** 1981 Oct; 55(4):452–4

Myocardial blood flow and oxygen consumption during high-dose fentanyl anesthesia in patients with coronary artery disease. Sonntag H, et al. **Anesthesiology** 1982 Jun; 56(6):417–22

Effect of fentanyl on myocardial metabolism during ischemia. Reneman RS, et al. **Angiology** 1982 Jan;33(1):51–63

Gastric relaxation by intravenous and intracerebroventricular administration of apomorphine, morphine and fentanyl in the conscious dog. Blancquaert JP, et al. **Arch Int Pharmacodyn Ther** 1982 Mar;256(1):153–4

Factors regulating drug cue sensitivity: the effect of frustrative non-reward in fentanyl-saline discrimination. Colpaert FC, et al. **Arch Int Pharmacodyn Ther** 1981 Dec; 254(2):241–51

Effect of a new analeptic drug, almitrine, on fentanyl-induced respiratory depression and analgesia in man. Gaudy JH, et al. **Br J Anaesth** 1982 Jun;54(6):617–21

Extradural fentanyl and postoperative ileus in cats [letter] Lisander B, et al. **Br J Anaesth** 1981 Nov;53(11):1237–8

Control of breathing after fentanyl and Innovar anaesthesia. Smedstad KG, et al. **Br J Anaesth** 1982 Jun;54(6):599–604

Effect of nitrous oxide alone or its combination with fentanyl on spinal reflexes in cats. Sugai N, et al. **Br J Anaesth** 1982 May;54(5):567–70

Effect of enflurane and fentanyl on the clinical characteristics of long-term succinylcholine infusion. Donati F, et al. **Can Anaesth Soc J** 1982 Jan;29(1):59–64

On the stability of Innovar, a neuroleptic analgesic, for cardiovascular experiments. Brill RW, et al. **Can J Physiol Pharmacol** 1981 Nov;59(11):1184–9

Effects of chemical immobilization on hematologic and serum chemical values in captive white-tailed deer. Kocan AA, et al. **J Am Vet Med Assoc** 1981 Dec 1;179(11):1153–6

Evidence that the discriminative stimulus properties of fentanyl and ethylketocyclazocine are mediated by an interaction with different opiate receptors. Shearman GT, et al. **J Pharmacol Exp Ther** 1982 Jun;221(3):735–9

D-Ala2,D-Leu5-enkephalin generalizes to a discriminative stimulus produced by fentanyl but not ethylketocyclazocine. Shearman GT, et al. **Pharmacol Biochem Behav** 1982 Feb;16(2):249–52

The role of fentanyl training dose and of the alternative stimulus condition in drug generalization. Koek W, et al. **Psychopharmacology (Berlin)** 1982;76(2):149–56

Effects of enkephalins versus opiates on locomotor activity of the horse. Nugent TE, et al. **Res Commun Chem Pathol Pharmacol** 1982 Mar; 35(3):405–19

[Blood antidiuretic hormone, ACTH and prolactin during the administration of fentanyl in man] Boulard G, et al. **Agressologie** 1982 Mar;23(1):43–6 (Eng. Abstr.) **(Fre)**

[The respiratory effects of small dose fentanyl associated with controlled hypotension during spontaneous ventilation in anesthetized man (author's transl)] Bertrand D, et al. **Anesth Analg (Paris)** 1981;38(9–10):513–8 (Eng. Abstr.) **(Fre)**

[Fentanyl-oxygen-pancuronium anaesthesia in cardiac surgery (author's transl)] Peyrin JC, et al. **Anesth Analg (Paris)** 1982;38(11–12):627–31 (Eng. Abstr.) **(Fre)**

[Comparative study of the effects of diazepam and fentanyl on the blink reflex threshold in the normal, conscious human (preliminary study)] Dauthier C, et al. **Ann Anesthesiol Fr** 1981;22(4):317–21 (Eng. Abstr.) **(Fre)**

[Fentanyl pharmacokinetics and postoperative respiratory depression (author's transl)] Lehmann KA, et al. **Anaesthesist** 1982 Mar;31(3):111–8 (Eng. Abstr.) **(Ger)**

[Effects of morphine anesthesia and thalamonal anesthesia on myocardial blood flow after coronary artery ligation (author's transl)] Furuya Y, et al. **Masui** 1982 Feb; 31(2):145–52 (Eng. Abstr.) **(Jpn)**

[Effects of fentanyl on the cardiovascular system (author's transl)] Kasama A, et al. **Masui** 1981 Feb;30(2):158–63 (Eng. Abstr.) **(Jpn)**

[Determination of circulating blood volume during surgical treatment of patients in the late stages of mitral stenosis] Chufarov VN, et al. **Anesteziol Reanimatol** 1982 May-Jun; (3):19–21 (Eng. Abstr.) **(Rus)**

[Pharmacodynamics of the interaction of neuroleptanalgetics] Karkishchenko NN, et al. **Farmakol Toksikol** 1982 May-Jun;45(3):45–50 (Eng. Abstr.) **(Rus)**

[Comparative evaluation of the hemodynamic effects of high doses of morphine, dipidolor, pentazocine and fentanyl] Beloiartsev FF, et al. **Vestn Akad Med Nauk SSSR** 1981; (8):22–8 (Eng. Abstr.) **(Rus)**

[Haemodynamic effects of analgesic anesthesia with fentanyl in mitral valve disease (author's transl)] Gómez Alfaro C, et al. **Rev Esp Anestesiol Reanim** 1981 Jul;28(4):209–15 (Eng. Abstr.) **(Spa)**

THERAPEUTIC USE

Treatment of stress response to laryngoscopy and intubation with fentanyl. Dahlgren N, et al. **Anaesthesia** 1981 Nov; 36(11):1022–6

Epidural diamorphine and fentanyl for postoperative pain [letter] Houlton PG, et al. **Anaesthesia** 1981 Dec; 36(12):1144–5

Continuous thoracic epidural fentanyl. A comparison of epidural fentanyl with intramuscular papaveretum for postoperative pain. Welchew EA, et al. **Anaesthesia** 1982 Mar;37(3):309–16

Low-dose fentanyl blunts circulatory responses to tracheal intubation. Martin DE, et al. **Anesth Analg (Cleve)** 1982 Aug;61(8):680–4

Neuroleptanaesthesia in paediatric practice. Appukutty VG, et al. **Ann Acad Med Singapore** 1981 Oct;10(4):544–7

Extradural opioids for postoperative analgesia. A double-blind comparison of pethidine, fentanyl and morphine. Rutter DV, et al. **Br J Anaesth** 1981 Sep; 53(9):915–20

Fentanyl and diazepam in endoscopy of the upper gastrointestinal tract. Stephens MJ, et al. **Med J Aust** 1982 May 15;1(10):419–20

[Premedication with neuroleptic and anxiolytic agents: for whom?] Knape JT, et al. **Ned Tijdschr Geneeskd** 1982 Feb 6;126(6):233–6 (Eng. Abstr.) **(Dut)**

[Effect of electroacupuncture and electroacupuncture combined with narcotic analgesics on the summation-threshold index in freely moving rats] Barashkov GN, et al. **Anesteziol Reanimatol** 1982 May-Jun; (3):26–7 **(Rus)**

[Treatment of postoperative pain by peridural analgesia: haemodynamic study (author's transl)] Muriel Villoria C, et al. **Rev Esp Anestesiol Reanim** 1981 Jul;28(4):205–8 (Eng. Abstr.) **(Spa)**

FENTHION

Susceptibility of Simulium himalayense larvae to some insecticides. Das SC, et al. **J Commun Dis** 1981 Sep; 13(3):189–93

PHARMACODYNAMICS

Sister-chromatid exchanges and cell-cycle delay in Chinese hamster V79 cells treated with 9 organophosphorus compounds (8 pesticides and 1 defoliant). Chen HH, et al. **Mutat Res** 1982 Mar;103(3-6):307-13

POISONING

Prolonged toxicity of organophosphate poisoning. Merrill DG, et al. **Crit Care Med** 1982 Aug;10(8):550-1

FENTOLAMIN see **PHENTOLAMINE**

FENTONIUM see under **ATROPINE DERIVATIVES**

FEP see **POLYTETRAFLUOROETHYLENE**

FERMENTATION

Introduction and reisolation of selected gram-positive bacteria from fermented edible wastes. Talkington FD, et al. **Am J Vet Res** 1981 Aug;42(8):1302-5

Introduction and reisolation of selected gram-negative bacteria from fermented edible wastes. Talkington FD, et al. **Am J Vet Res** 1981 Aug;42(8):1298-1301

Gastrointestinal microflora of calves fed fermented colostrum. Ward GE. **Am J Vet Res** 1981 Sep;42(9):1491-3

Fermentation of dietary fibre components in the rat intestinal tract. Nyman M, et al. **Br J Nutr** 1982 May;47(3):357-66

Metabolic cycles in the fermentation by propionic acid bacteria. Wood HG. **Curr Top Cell Regul** 1981;18:255-87

On a hitherto unknown fermentation path of several amino acids by proteolytic clostridia. Bader J, et al. **FEBS Lett** 1982 Apr 5;140(1):67-72

Pasteur on vital versus chemical ferments: a previously unpublished paper on the inversion of sugar. Geison GL. **Isis** 1981 Sep;72(263):425-45

Production of Corynebacterium diphtheriae toxin in a bubble column fermentor. Nikolajewski HE, et al. **J Biol Stand** 1982 Apr;10(2):109-14

Comparison of the Oxi/Ferm and N/F systems for identification of infrequently encountered nonfermentative and oxidase-positive fermentative bacilli. Koestenblatt EK, et al. **J Clin Microbiol** 1982 Mar;15(3):384-90

Effect of fermentation and formalin preservation on the protein component of bovine colostrum. Bush RS, et al. **J Dairy Sci** 1981 Aug;64(8):1695-9

Effect of lasalocid or monensin on lactate production from in vitro rumen fermentation of various carbohydrates. Dennis SM, et al. **J Dairy Sci** 1981 Dec;64(12):2350-6

Microbial rumen fermentation. Russell JB, et al. **J Dairy Sci** 1981 Jun;64(6):1153-69 (117 ref.)

Current trends in fermentation process control. Bull DN, et al. **J Parenter Sci Technol** 1982 Mar-Apr;36(2):64-71

Differential production of acid by Enterobacteriaceae in OF media and in fermentation broth. Bucher C, et al. **Med Microbiol Immunol (Berl)** 1982;170(3):185-9

Fermentation and VFA production in the esophageal sac of Microtus montebelli fed different rations. Kudo H, et al. **Nippon Juigaku Zasshi** 1981 Jun;43(3):299-305

[Studies on the effect of phosphoric phenyl ester diamide as inhibitor of the rumen urease of diary cows. 1. Influence on urea hydrolysis, ammonia release and fermentation in the rumen] Voigt J, et al. **Arch Tierernahr** 1980 Dec; 30(10-12):811-23 (Eng. Abstr.) **(Ger)**

[Isobutylidene diurea as an NPN source for ruminants. 1. Rumen fermentation, digestibility of the nutrients and microbial protein synthesis in dairy cows] Voigt J, et al. **Arch Tierernahr** 1981 Jan;31(1):45-56 (Eng. Abstr.) **(Ger)**

[Effect of aeration and agitation conditions on gentamycin biosynthesis] Losev VV, et al. **Antibiotiki** 1981 Aug; 26(8):570-5 (Eng. Abstr.) **(Rus)**

[Fermentation products and the pectolytic enzymatic activity in Clostridium felsineum strains differing in intensity of sporulation] Avrova NP, et al. **Mikrobiologiia** 1981 May-Jun;50(3):458-66 (Eng. Abstr.) **(Rus)**

DRUG EFFECTS

Influence of dietary fibers on fermentation in the human large intestine. Ehle FR, et al. **J Nutr** 1982 Jan;112(1):158-66

[Effect of the polyether antibiotic 'monensin' on the rumen fermentation and fattening results of crossbreeding bulls of dairy cattle and fattening hybrids] Richter G, et al. **Arch Tierernahr** 1981 Jan;31(1):57-65 (Eng. Abstr.) **(Ger)**

FERREDOXIN-NADP REDUCTASE see under **NADH, NADPH OXIDOREDUCTASES**

FERREDOXINS

Concerning the existence of super-oxidised 8Fe-8S ferredoxin. Harmer MA, et al. **Biochem Biophys Res Commun** 1981 Jul 16;101(1):83-7

Structural stability of halophilic proteins. Rao JK, et al. **Biochemistry** 1981 Nov 10;20(23):6536-43

Iron-sulphur cluster composition and redox properties of two ferredoxins from Desulfovibrio desulfuricans Norway strain. Guerlesquin F, et al. **Biochim Biophys Acta** 1982 Mar 16;679(3):422-7

Analysis of strain-induced EPR-line shapes and anisotropic spin-lattice relaxation in a [2Fe-2S] ferredoxin. Hagen WR, et al. **Biochim Biophys Acta** 1982 Mar 18;702(1):61-71

The three-iron cluster in a ferredoxin from Desulphovibrio gigas. A low-temperature magnetic circular dichroism study. Thomson AJ, et al. **Biochim Biophys Acta** 1981 Aug 28;670(1):93-100

Mössbauer spectroscopic evidence for the conversion of [4 Fe--4 S] clusters in Bacillus stearothermophilus ferredoxin into [3 Fe--3 S] clusters. Bell SH, et al. **FEBS Lett** 1982 Jun 1;142(1):143-6

The complete amino acid sequence of parsley (Petroserinum sativum) ferrodoxin. Nakano T, et al. **J Biochem (Tokyo)** 1981 Dec;90(6):1725-30

X-ray analysis of a [2Fe-2S] ferrodoxin from Spirulina platensis. Main chain fold and location of side chains at 2.5 A resolution. Tsukihira T, et al. **J Biochem (Tokyo)** 1981 Dec;90(6):1763-73

Core dimensions in the 3Fe cluster of Desulfovibrio gigas ferredoxin II by extended X-ray absorption fine structure spectroscopy. Antonio MR, et al. **J Biol Chem** 1982 Jun 25;257(12):6646-9

Resonance Raman spectra of three-iron centers in ferredoxins from Desulfovibrio gigas. Johnson MK, et al. **J Biol Chem** 1981 Oct 10;256(19):9806-8

Molecular symmetry of the MoFe protein of nitrogenase. Structural homology/nitrogen fixation/x-ray crystallography. Yamane T, et al. **J Biol Chem** 1982 Feb 10;257(3):1221-3

Preliminary x-ray diffraction studies on a [4Fe-4S] ferredoxin from Bacillus thermoproteolyticus. Tsukihara T, et al. **J Mol Biol** 1981 Nov 15;152(4):821-3

Crystallographic properties of the MoFe proteins of nitrogenase from Clostridium pasteurianum and Azotobacter vinelandii. Weininger MS, et al. **Proc Natl Acad Sci USA** 1982 Jan;79(2):378-80

ANALYSIS

The second ferredoxin from spinach leaves. Takahashi Y, et al. **J Biochem (Tokyo)** 1981 Dec;90(6):1825-8

[Structure and functions of [2Fe-2S] ferredoxins (author's transl)] Tsukihara T. **Seikagaku** 1982;54(2):102-6 (12 ref.) **(Jpn)**

ANTAGONISTS & INHIBITORS

Borate inhibits activation of inactive dinitrogenase reductase from Rhodospirillum rubrum. Ludden PW. **Biochem J** 1981 Aug 1;197(2):503-5

GENETICS

Correspondence of the larger subunit of the MoFe-protein in clostridial nitrogenase to the nif D gene products of other N2-fixing organisms. Hase T, et al. **J Biochem (Tokyo)** 1981 Jul;90(1):295-8

IMMUNOLOGY

The use of unideterminant fragments of ferredoxin in the genetic mapping of determinant specificity of the immune response. Sikora L, et al. **Mol Immunol** 1982 May; 19(5):693-703

The immune response to ferredoxin: characterization of a major idiotype in serum using monoclonal antibody derived by cell fusion. Weaver MS, et al. **Mol Immunol** 1982 Jan; 19(1):105-17

ISOLATION & PURIFICATION

Characterization of the ferredoxin Component of the steroid 15 beta-hydroxylases system from Bacillus megaterium. Berg A. **Biochem Biophys Res Commun** 1982 Mar 15; 105(1):303-11

Isolation and characterization of an Fe,-S8 ferredoxin (ferredoxin II) from Clostridium thermoaceticum. Elliott JI, et al. **J Bacteriol** 1982 Jul;151(1):328-33

Purification and amino acid sequence of a fern (Gleichenia japonica) ferredoxin. Hase T, et al. **J Biochem (Tokyo)** 1982 Jan;91(1):341-6

Ferredoxin excreted from photosynthetic bacterium, Rhodospirillum rubrum: purification and properties. Hiura H, et al. **J Biochem (Tokyo)** 1981 Jun;89(6):1787-92

Resolution of two subunits from the molybdenum-iron protein of Azotobacter vinelandii nitrogenase. Harker AR, et al. **J Biol Chem** 1981 Dec 10;256(23):11981-3

Iron-molybdenum cofactor from nitrogenase. Modified extraction methods as probes for composition. Yang SS, et al. **J Biol Chem** 1982 Jul 25;257(14):8042-8

METABOLISM

Different roles of plastoquinone in the photoreduction of ferredoxin and of membrane-bound iron-sulfur centers of chloroplasts. Arnon DI, et al. **Biochem Biophys Res Commun** 1982 May 31;106(2):450-7

Replacement of sulfide by selenide in the [4Fe-4S] clusters of the ferredoxin from Clostridium pasteurianum. Meyer J, et al. **Biochem Biophys Res Commun** 1981 Nov 30; 103(2):667-73

Neutral complexes as oxidants for the reduced form of parsley (Petroselinum crispum) [2Fe--2S] ferredoxin. Evidence for partial blocking by redox-inactive Cr(III) complexes. Adzamli IK, et al. **Biochem J** 1982 Jun 1; 203(3):669-73

Stoichiometry and spectral properties of the MoFe cofactor and noncofactor redox centers in the MoFe protein of nitrogenase from Azotobacter vinelandii. Watt GD, et al. **Biochemistry** 1981 Dec 8;20(25):7272-7

Contribution of the exchange interactions to the redox properties of the [2Fe-2S] ferredoxins. Bertrand P, et al. **Biochim Biophys Acta** 1982 Jun 18;680(3):331-5

Thioredoxin/fructose-1,6-bisphosphatase affinity in the enzyme activation by the ferredoxin-thioredoxin system. Pla A, et al. **Biochim Biophys Acta** 1981 Jun 12;636(1):113-8

Investigation of electron-transfer reactions of proteins by electrochemical methods. Eddowes MJ, et al. **Biosci Rep** 1981 Jul;1(7):521-32 (47 ref.)

Interactions between ferredoxin-NADP reductase and ferredoxin at different reduction levels of the two proteins. Zanetti G, et al. **FEBS Lett** 1981 Jul 6;129(2):201-4

Resonance Raman and electron paramagnetic resonance studies on oxidized and ferricyanide-treated Clostridium pasteurianum ferredoxin. Vibrational assignments from 34S shifts and evidence for conversion of 4 to 3 iron-sulfur clusters via oxidative damage. Vibrational assignments from 34S shifts and evidence for conversion of 4 to 3 iron-sulfur clusters via oxidative damage. Johnson MK, et al. **J Biol Chem** 1982 Mar 10;257(5):2447-52

Origin of the pH dependence of the midpoint reduction potential in Clostridium pasteurianum ferredoxin:oxidation state-dependent hydrogen ion association. Magliozzo RS, et al. **J Biol Chem** 1982 Apr 10;257(7):3506-9

Interconversions of [3Fe-3S] and [4Fe-4S] clusters. Mössbauer and electron paramagnetic resonance studies of Desulfovibrio gigas ferredoxin II. Moura JJ, et al. **J Biol Chem** 1982 Jun 10;257(11):6259-67

Magnetic susceptibility studies of native and thionine-oxidized molybdenum-iron protein from Azotobacter vinelandii nitrogenase. Smith JP, et al. **J Biol Chem** 1982 Mar 10;257(5):2310-3

Proton magnetic resonance studies of Azotobacter vinelandii ferredoxin I. Evidence for a difference in coordination of the 3Fe centers in azotobacter vinelandii ferredoxin I and desulfovibrio gigas ferredoxin II. Sweeney WV. **J Biol Chem** 1981 Dec 10;256(23):12222-7

FERRETS see under **CARNIVORA**

FERRIC COMPOUNDS see under **IRON**

FERRICHROME see under **HYDROXAMIC ACIDS**

FERRICYANIDES

Modifications of the Park-Johnson ferricyanide submicromethod for the assay of reducing groups in carbohydrates. Porro M, et al. **Anal Biochem** 1981 Dec; 118(2):301-6

Arterial and transcutaneous oxygen tension measurement during hypotensive anaesthesia. El Mikatti N. **Ann R Coll Surg Engl** 1982 Sep;64(5):328-30

Reaction of C-type cytochromes with the iron hexacyanides. Mechanistic implications. Ohno N, et al. **Biophys J** 1981 Dec;36(3):589-605

Use of sodium nitroprusside for deliberate hypotension during pregnancy. Rigg D, et al. **Br J Anaesth** 1981 Sep; 53(9):985-7

Relative roles of heart rate and ventricular stroke volume for the regulation of cardiac output during controlled hypotension with sodium nitroprusside in man. Zimpfer M, et al. **Eur J Clin Invest** 1982 Feb;12(1):9-13

Intermediate hemoglobins of hemoglobin Kempsey produced by partial oxidation with ferricyanide. Tomoda A, et al. **J Biol Chem** 1981 Dec 10;256(23):12076-80

ADMINISTRATION & DOSAGE

Treatment of acute myocardial infarction with sodium nitroprusside during 24 hours, followed by isosorbide dinitrate. Durrer JD, et al. **Acta Med Scand [Suppl]** 1981; 651:163

Central and regional hemodynamic effects of intravenous isosorbide dinitrate, nitroglycerin and nitroprusside in patients with congestive heart failure. Leier CV, et al. **Am J Cardiol** 1981 Dec;48(6):1115-23

Sodium nitroprusside dosing charts. Subar JA, et al. **Am J Hosp Pharm** 1981 May;38(5):706

Use of a mixture of sodium nitroprusside and trimetaphan [letter] **Anaesthesia** 1981 Aug;.36(8):827-8

Accentuated hypotensive effect of sodium nitroprusside in man after captopril. Jennings GL, et al. **Clin Sci** 1981 Nov; 61(5):521-6

Intravenous drugs used in treating hypertensive emergencies [letter] **Heart Lung** 1982 May-Jun;11(3):284

Effects of combined dopamine and nitroprusside therapy in patients with severe pump failure and hypotension complicating acute myocardial infarction. Keung EC, et al. **J Cardiovasc Pharmacol** 1980;2(2):113-9

Effect of short-term infusion of sodium nitroprusside on mortality rate in acute myocardial infarction complicated by left ventricular failure: results of a Veterans Administration cooperative study. Cohn JN, et al. **N Engl J Med** 1982 May 13;306(19):1129-35

Hemodynamic effects of volume expansion and nitroprusside compared with pericardiocentesis in patients with acute cardiac tamponade. Kerber RE, et al. **N Engl J Med** 1982 Oct 7;307(15):929-31

Sodium nitroprusside-induced hypotension as a supplemental

therapeutic modality in postpartum hemorrhage. Jackson SH, et al. **Obstet Gynecol** 1981 Nov;58(5):649–51

[Simplified preparation of sodium nitroprusside for intravenous use (author's transl)] Zheng WX. **Chung Hua Hsin Hsueh Kuan Ping Tsa Chih** 1980 Sep; 8(3):238–9 **(Chi)**

[Value of controlled arterial hypotension induced by sodium nitroprusside in cerebrovascular surgery] Moroz J, et al. **Pol Tyg Lek** 1982 Apr 19;37(7):185–7 (Eng. Abstr.) **(Pol)**

[Use of the vasodilator sodium nitroprusside in combination with digoxin in patients with refractory cardiac insufficiency] Mukharliamov NM, et al. **Ter Arkh** 1982; 54(5):128–31 (Eng. Abstr.) **(Rus)**

ADVERSE EFFECTS

Hemodynamic consequences of abrupt withdrawal of nitroprusside or nitroglycerin following induced hypotension. Todd MM, et al. **Anesth Analg (Cleve)** 1982 Mar;61(3):261–6

Cyanide encephalopathy following therapy with sodium nitroprusside: report of a case. Kim YH, et al. **Arch Pathol Lab Med** 1982 Aug;106(8):392–3

Complication of nitroprusside therapy [letter] Rosenthal R, et al. **Chest** 1982 Mar;81(3):392–3

Nitroprusside-induced intracranial hypertension [letter] Griswold WR, et al. **JAMA** 1981 Dec 11;246(23):2679–80

ANTAGONISTS & INHIBITORS

Prevention of nitroprusside toxicity with thiosulfate in dogs. Ivankovich AD, et al. **Anesth Analg (Cleve)** 1982 Feb; 61(2):120–6

BLOOD

Sodium nitroprusside and cyanide release: reasons for re-appraisal. Bisset WI, et al. **Br J Anaesth** 1981 Oct; 53(10):1015–8

Sodium nitroprusside and cyanide release [letter] Vesey CJ, et al. **Br J Anaesth** 1982 Jul;54(7):791–3

METABOLISM

Evidence for the extracellular reduction of ferricyanide by rat liver. A trans-plasma membrane redox system. Clark MG, et al. **Biochem J** 1981 Dec 15;200(3):565–72

1H NMR studies of the electron exchange between cytochrome c and iron hexacyanides. Definition of the iron hexacyanide binding sites on cytochrome c. Eley CG, et al. **Eur J Biochem** 1982 May 17;124(2):295–303

Transmembrane ferricyanide reduction by cells of the yeast Saccharomyces cerevisiae. Crane FL, et al. **J Bioenerg Biomembr** 1982 Jun;14(3):191–205

PHARMACODYNAMICS

Nonmutagenic activity of the nitroprusside. Bódi Z, et al. **Acta Biol Acad Sci Hung** 1981;32(1):61–8

Sodium nitroprusside and intracranial pressure. Anile C, et al. **Acta Neurochir (Wien)** 1981;58(3–4):203–11

Improved deep controlled hypotension in aneurysmal surgery. Lüben V, et al. **Acta Neurochir (Wien)** 1982; 60(3–4):201–14

Vascular smooth muscle relaxation by nitro compounds: reduced relaxation and cGMP elevation in tolerant vessels and reversal of tolerance by dithiothreitol. Axelsson KL, et al. **Acta Pharmacol Toxicol (Copenh)** 1982 May; 50(5):350–7

Purification of soluble guanylate cyclase without loss of stimulation by sodium nitroprusside. Gerzer R, et al. **Adv Cyclic Nucleotide Res** 1981;14:255–61

Comparative hemodynamic effects of digoxin vs nitroprusside in conscious dogs with aortocaval fistula-induced chronic left ventricular volume overload and normal systolic performance. O'Rourke RA, et al. **Am Heart J** 1982 Apr;103(4 Pt 1):489–97

Fetal and maternal effects of sodium nitroprusside used to counteract hypertension in gravid ewes. Ellis SC, et al. **Am J Obstet Gynecol** 1982 Aug 1;143(7):766–70

A technique of silver impregnation for nervous tissues in frozen sections of the human central nervous system with potassium ferricyanide. Ogawa Y, et al. **Anat Anz** 1982; 151(4):321–7

Hypotensive effects of adenosine and adenosine triphosphate compared with sodium nitroprusside. Fukunaga AF, et al. **Anesth Analg (Cleve)** 1982 Mar;61(3):273–8

Arterial and venous dilation by nitroprusside and nitroglycerin—is there a difference? Gerson JI, et al. **Anesth Analg (Cleve)** 1982 Mar;61(3):256–60

Cardiovascular changes during sodium nitroprusside or adenosine triphosphate infusion in the rat. Hoffman WE, et al. **Anesth Analg (Cleve)** 1982 Feb;61(2):99–103

Cerebrovascular and metabolic effects of SNP-induced hypotension in young and aged hypertensive rats. Hoffman WE, et al. **Anesthesiology** 1982 Jun;56(6):427–30

Effect of sodium nitroprusside on cardiovascular function and pulmonary shunt in canine oleic acid pulmonary edema. Prewitt RM, et al. **Anesthesiology** 1981 Nov; 55(5):537–41

Effect of sodium nitroprusside during the payback period of cardiopulmonary bypass on the incidence of postoperative arrhythmias. Arom KV, et al. **Ann Thorac Surg** 1982 Sep;34(3):307–12

The hemodynamic response to dopamine and nitroprusside following right atrium–pulmonary artery bypass (Fontan procedure). Williams DB, et al. **Ann Thorac Surg** 1982 Jul; 34(1):51–7

Antiarrhythmic effects of cyclic guanosine 3' :5'-monophosphate and sodium nitroprusside on barium chloride arrhythmias in rabbits. Rabkin SW, et al. **Arch Int Pharmacodyn Ther** 1982 Jun;257(2):225–38

Some haemodynamic effects of nicergoline, a new alpha-blocking agent, in the closed-chest anaesthetized dog as compared with nitroprusside and nitroglycerin. Moore ND, et al. **Arzneimittelforsch** 1981;31(10):1693–8

Activation of rat lung soluble guanylate cyclase by sodium nitroprusside: effects of hemoglobin and reducing agents. Lad PJ, et al. **Biochem Biophys Res Commun** 1981 Nov 30;103(2):629–37

Reversal of the effects of isoniazid on hepatic cytochrome P-450 by potassium ferricyanide. Muakkassah SF, et al. **Biochem Pharmacol** 1982 Jan 15;31(2):249–51

A comparative study of the relaxing effect of nitroprusside and verapamil on human umbilical vessels. Ozaki H, et al. **Blood Vessels** 1981;18(6):321–9

Effects of sodium nitroprusside upon cardiac work, efficiency, and substrate extraction in severe left ventricular failure. Thompson DS, et al. **Br Heart J** 1981 Oct; 46(4):394–400

Effects of halothane and sodium nitroprusside on renal function and autoregulation. Ohmura A, et al. **Br J Anaesth** 1982 Jan;54(1):103–8

Effects of nitroglycerin and nitroprusside on large and small coronary vessels in conscious dogs. Macho P, et al. **Circulation** 1981 Dec;64(6):1101–7

Response of forearm resistance vessels to verapamil and sodium nitroprusside in normotensive and hypertensive men: evidence for a functional abnormality of vascular smooth muscle in primary hypertension. Robinson BF, et al. **Clin Sci** 1982 Jul;63(1):33–42

Effect of nitroprusside on pulmonary hypertension and lung fluid balance after E. coli endotoxin. Foulke GE, et al. **Crit Care Med** 1982 Jul;10(7):427–31

1H NMR studies of eukaryotic cytochrome c. Resonance assignments and iron–hexacyanide–mediated electron exchange. Boswell AP, et al. **Eur J Biochem** 1982 May 17;124(2):289–94

An isolated perfused dog lung preparation for the study of cyclic GMP metabolism: effects of sodium nitroprusside and oxygen. Braughler JM, et al. **Eur J Pharmacol** 1982 Feb 26;78(2):187–93

Effects of nitroprusside on pancreatic juice secretion in the blood-perfused canine pancreas. Iwatsuki K, et al. **Eur J Pharmacol** 1982 Apr 8;79(1–2):53–60

Nitroprusside-induced vascular relaxation in DOCA hypertensive rats. Cohen DM, et al. **Hypertension** 1982 Jan–Feb;4(1):13–9

The effect of cyanide and ferricyanide on the activity of the dissimilatory nitrate reductase of Escherichia coli. Adams MW, et al. **J Biol Chem** 1982 Feb 25;257(4):1791–9

Resonance Raman and electron paramagnetic resonance studies on oxidized and ferricyanide-treated Clostridium pasteurianum ferredoxin. Vibrational assignments from 34S shifts and evidence for conversion of 4 to 3 iron–sulfur clusters via oxidative damage. Vibrational assignments from 34S shifts and evidence for conversion of 4 to 3 iron–sulfur clusters via oxidative damage. Johnson MK, et al. **J Biol Chem** 1982 Mar 10;257(5):2447–52

Comparison of the cardiovascular actions of N,N-di-n-propyl dopamine and sodium nitroprusside in conscious and chloralose-anaesthetised dogs. O'Connor SE, et al. **J Cardiovasc Pharmacol** 1982 May–Jun;4(3):493–9

The haemodynamic effects of sodium nitroprusside following cardiopulmonary bypass: a clinical study. Campbell CS, et al. **J Cardiovasc Surg (Torino)** 1982 Jan–Feb;23(1):41–8

Kinetic data for redox reactions of cytochrome c with Fe(CN)5X complexes and the question of association prior to electron transfer. Butler J, et al. **J Inorg Biochem** 1981 Aug;15(1):41–53

Blood flow to oral tissues: and experimental study with enflurane, sodium nitroprusside, and nitroglycerin. Bergman S, et al. **J Oral Maxillofac Surg** 1982 Jan; 40(1):13–7

Effects of nitroprusside-induced hypotension on sympathetic nerve activity, tyrosine hydroxylase activity and [3H]norepinephrine uptake in rabbit vascular tissues. Takimoto GS, et al. **J Pharmacol Exp Ther** 1981 Nov; 219(2):420–7

Induction of myocardial damage with nitroprusside. Utsunomiya T, et al. **J Surg Res** 1981 Sep;31(3):195–200

Vasomotor dynamics associated with cardiac operations. I. Venous tone and the effects of vasodilators. Gall WE, et al. **J Thorac Cardiovasc Surg** 1982 May;83(5):724–31

Effect of nitroprusside on end-diastolic pressure-diameter relations of the human left ventricle after pericardiotomy. Wong CY, et al. **J Thorac Cardiovasc Surg** 1981 Sep; 82(3):350–7

Nitroprusside and nitroglycerine in patients with posttraumatic pulmonary failure. Annest SJ, et al. **J Trauma** 1981 Dec;21(12):1029–31

Sodium nitroprusside inhibition of parathyroid hormone release is not mediated through cyclic GMP. Gardner DG, et al. **Metabolism** 1981 Dec;30(12):1179–84

The effect of sodium nitroprusside on the metabolism of prostaglandin E2 in rat isolated lungs. Suves M, et al. **Res Commun Chem Pathol Pharmacol** 1982 May; 36(2):333–6

The influence of halothane and nitroprusside on canine spinal cord hemodynamics. Jacobs HK, et al. **Spine** 1982; 7(1):35–40

Nitroprusside- and nitroglycerin-induced hypotension: effects on hemodynamics and on the microcirculation. Hauss J, et al. **World J Surg** 1982 Mar;6(2):241–50

[The change in systolic interval in the treatment of cardiac dysfunction with sodium nitroprusside (author's transl)] Huang XS. **Chung Hua Hsin Hsueh Kuan Ping Tsa Chih** 1981 Jun; 9(2):129–31 **(Chi)**

[Sodium nitroprusside in neurosurgery. Clinical considerations] Massei R, et al. **Minerva Anestesiol** 1981 Aug;47(8):491–8 (Eng. Abstr.) **(Ita)**

[Effects of trimethaphan, nitroprusside and nitroglycerin on organ (author's transl)] Nakagawa M. **Masui** 1981 Dec; 30(12):1301–9 (Eng. Abstr.) **(Jpn)**

[Sodium nitroprusside: mechanism of action and clinical application] Leshchinskii PM, et al. **Ter Arkh** 1982; 54(5):148–53 (124 ref.) **(Rus)**

POISONING

Effects of cyanide antidotes used with sodium nitroprusside infusions: sodium thiosulphate and hydroxocobalamin given prophylactically to dogs. Krapez JR, et al. **Br J Anaesth** 1981 Aug;53(8):793–804

Detoxification of cyanide in a new-born child. Schulz V, et al. **Klin Wochenschr** 1982 May 17;60(10):527–8

THERAPEUTIC USE

Nitroprusside infusion in acute myocardial infarction. Cohn JN, et al. **Acta Med Scand [Suppl]** 1981;652:125–7

Baroreflex control of heart rate in humans during nitroprusside-induced hypotension. Chen RY, et al. **Am J Physiol** 1982 Jul;243(1):R18–24

Treatment of myocardial ischemia with halothane or nitroprusside–propranolol. Gerson JI, et al. **Anesth Analg (Cleve)** 1982 Jan;61(1):10–4

Comparison of effects of prostaglandin E1 and nitroprusside on pulmonary vascular resistance in children after open-heart surgery. Rubis LJ, et al. **Ann Thorac Surg** 1981 Dec;32(6):563–70

Reversal of digitalis-induced mesenteric vasospasm by sodium nitroprusside. Bowerman RE, et al. **Arch Intern Med** 1982 Feb;142(2):403–5

Development of means to augment peritoneal urea clearances: the synergistic effects of combining high dialysate temperature and high dialysate flow rates with dextrose and nitroprusside. De Santo NG, et al. **Artif Organs** 1981 Nov;5(4):409–14

Use of pentolinium in postoperative hypertension resistant to sodium nitroprusside. Jones RM, et al. **Br J Anaesth** 1981 Nov;53(11):1151–4

Comparison of nitroprusside and nitroglycerine for controlling hypertension during coronary artery surgery. Tobias MA. **Br J Anaesth** 1981 Aug;53(8):891–7

Regional coronary flow and contraction after partial coronary obstruction. Comparative effects of nitroglycerin and nitroprusside. Ramanathan KB, et al. **Chest** 1981 Oct; 80(4):481–6

Comparison of intravenous nitroglycerin and sodium nitroprusside for treatment of acute hypertension developing after coronary artery bypass surgery. Flaherty JT, et al. **Circulation** 1982 Jun;65(6):1072–7

Cardiocirculatory actions of trimazosin and sodium nitroprusside in ischemic heart disease. Awan NA, et al. **Clin Pharmacol Ther** 1982 Mar;31(3):290–6

Hemodynamic effects of nitroprusside and furosemide in left ventricular failure. Franciosa JA, et al. **Clin Pharmacol Ther** 1982 Jul;32(1):62–9

Resistance to sodium nitroprusside in hypertensive patients. Rouby JJ, et al. **Crit Care Med** 1982 May;10(5):301–4

Effect of sodium nitroprusside on postoperative blood loss in the cardiac surgical patient. Snow N, et al. **Crit Care Med** 1981 Dec;9(12):827–8

Pharmacologic alterations in pulmonary artery pressure in the adult respiratory distress syndrome. Weigelt JA, et al. **J Surg Res** 1982 Mar;32(3):243–8

Effect of the vasodilator therapy in regurgitant valvular disease. Sasayama S, et al. **Jpn Circ J** 1982 Apr;46(4):433–41

Effect of sodium nitroprusside on mortality in acute myocardial infarction. Durrer JD, et al. **N Engl J Med** 1982 May 13;306(19):1121–8

Nitroprusside in myocardial infarction [editorial] Passamani ER. **N Engl J Med** 1982 May 13;306(19):1168–70

[Hemodynamic monitoring in 13 cases of chronic cor pulmonale with right heart failure treated with sodium nitroprusside (author's transl)] Zhu YR. **Chung Hua Nei Ko Tsa Chih** 1982 Mar;21(3):144–7 **(Chi)**

[Use of sodium nitroprusside in otological surgery (author's transl)] Fontanel JP, et al. **Ann Otolaryngol Chir Cervicofac** 1981;98(9):465–9 (Eng. Abstr.) **(Fre)**

[Sodium nitroprusside in ischaemic complications of acute ergot poisoning (author's transl)] Desjars P, et al. **Nouv Presse Med** 1981 Oct 10;10(36):2959–61 (Eng. Abstr.) **(Fre)**

[Vasodilators. 1- Main components] Langlois S, et al.

Union Med Can 1981 Sep;110(9):786–9 **(Fre)**
[Area of the ischemic lesion in acute myocardial infarct: critical review of the use of vasodilator agents] Permutti B, et al. **Boll Soc Ital Cardiol** 1980;25(7):803–5 (Eng. Abstr.) **(Ita)**
[Alterations in the sympathetic nervous activity during vasodilator therapy by nitroprusside and prazosin in patients with congestive heart failure (author's transl)] Yui Y, et al. **Kokyu To Junkan** 1981 Jul;29(7):723–6 **(Jpn)**
[Present-day views on the therapeutic use of nitroprusside] Matusewicz W. **Pol Arch Med Wewn** 1981 Jan;65(1):65–71 **(Pol)**
[Clinical use of sodium nitroprusside] Trojanowski T, et al. **Pol Tyg Lek** 1981 Feb 9;36(6):227–30 (40 ref.) **(Pol)**
[Prevention of rejection of the transplanted kidney in a child] Stefanov G, et al. **Urol Nefrol (Mosk)** 1982 Jan–Feb; (1):58–9 **(Rus)**
[Administration of nitroprusside in the therapy of refractory cardiac failure (author's transl)] Nikolić V, et al. **Ljec Vjesn** 1981 Nov,103(11):495–500 (Eng. Abstr.) **(Scr)**
[Vasodilator therapy of pump failure in acute myocardial infarction] Trongé J, et al. **Cardiology** 1980;66 Suppl 2:154–61 **(Spa)**
[Comparative hemodynamic effect of sodium nitroprusside and prazosin hydrochloride in patients with cardiac insufficiency following acute myocardial infarction] López-Sendón J, et al. **Rev Esp Cardiol** 1981;34(1):55–61 (Eng. Abstr.) **(Spa)**

TOXICITY

Paradoxical bradycardia following the administration of sodium nitroprusside in the rat is abolished by indomethacin. Lukacsko P. **Cardiovasc Res** 1982 Feb; 16(2):95–8
Sodium nitroprusside: comparison of the antidotal effect of hydroxocobalamin and sodium thiosulfate in rabbits. Pill J, et al. **Dev Toxicol Environ Sci** 1980;8:423–6

FERRICYTOCHROME C see **CYTOCHROME C**

FERRIHEMOGLOBIN see **METHEMOGLOBIN**

FERRIHEMOPROTEIN P-450 REDUCTASE see **NADPH CYTOCHROME C REDUCTASE**

FERRITIN

Localization and characteristics of ferritin in human bone marrow. Oertel J, et al. **Acta Haematol (Basel)** 1982; 67(2):73–9
Structure, assembly, conformation, and immunological properties of the two subunit classes of ferritin. Otsuka S, et al. **Biochemistry** 1981 Sep 1;20(18):5226–32
Structural heterogeneity and subunit composition of horse ferritins. Stefanini S, et al. **Biochemistry** 1982 May 11; 21(10):2293–9
Amino acid sequence of horse spleen apoferritin. Heusterspreute M, et al. **FEBS Lett** 1981 Jul 6;129(2):322–7
Ferritin in cultured fibroblasts from patients with idiopathic hemochromatosis. Beutler E, et al. **Haematologia (Budap)** 1981;14(2):147–9
Ferritin. Jacobs A. **Haematologica (Pavia)** 1981 Apr; 66(2):133–40 (29 ref.) **(Eng, Ita)**
Structural distinction between ferritin and iron-dextran (imferon). An electron diffraction comparison. Towe KM. **J Biol Chem** 1981 Sep 25;256(18):9377–8
Energy-filtered transmission electron microscopy of ferritin. Shuman H, et al. **Proc Natl Acad Sci USA** 1982 Jan; 79(1):106–7
Ferritin. Fairbanks VF, et al. **Prog Clin Pathol** 1981;8:175–203 (205 ref.)
[Ferritin. New molecular and medical perspectives] Crichton RR. **Nouv Rev Fr Hematol** 1982;24(2):49–53 (33 ref.) **(Fre)**

ANALOGS & DERIVATIVES

Abolition of the bactericidal function of polymorphs by ferritin-antiferritin complexes. Bullen JJ, et al. **Immunology** 1982 Jul;46(3):497–505
Iron binding by horse spleen apoferritin. A vanadyl(IV) EPR spin probe study. Chasteen ND, et al. **J Biol Chem** 1982 Jul 10;257(13):7672–7
Interstrain variations in nephritogenicity of heterologous protein in mice. Iskandar SS, et al. **Lab Invest** 1982 Mar; 46(3):344–51

ANALYSIS

Serum ferritin: a possible model for the assessment of nutrient stores. Cook JD, et al. **Am J Clin Nutr** 1982 May;35(5 Suppl):1180–5 (33 ref.)
The effects of oral iron supplementation on ferritin levels in pregnant Burmese women. Thane-Toe, et al. **Am J Clin Nutr** 1982 Jan;35(1):95–9
Iron and isoferritins in iron overload. Wagstaff M, et al. **Clin Sci** 1982 May;62(5):529–40
Concentration, structure and iron saturation of ferritins from normal human lung and lung tumors with graded histopathology. Linder MC, et al. **Enzyme** 1982; 27(3):189–98
Isolation and characterization of Phycomyces blakesleeanus ferritin. LaBombardi VJ, et al. **J Bacteriol** 1982 May; 150(2):671–5
Normal values for serum ferritin in infants and children using a new radioimmunoassay system utilizing a solid-phase second antibody (lyso-phase). Mariani G, et al. **J Nucl Med Allied Sci** 1981 Jul–Sep;25(3):125–31
Immunoassay of ferritin in plasma. Halliday JW. **Methods Enzymol** 1982;84 Pt D:148–71
Anomalous small angle scattering. Stuhrmann HB. **Q Rev Biophys** 1981 Aug;14(3):433–60
[Serum-alpha 1-fetoprotein and serumferritin in liver tumours (author's transl)] Polteraner P, et al. **Wien Klin Wochenschr** 1982 Feb 19;94(4):105–8 (Eng. Abstr.) **(Ger)**
[Immunochemical identification of ferritin and its immunological analogs beta-fetoprotein and alpha 2H-globulin] Prokopenko PG. **Biull Eksp Biol Med** 1982 Apr;93(4):70–3 (Eng. Abstr.) **(Rus)**
[Correlation between plasma ferritin and iron from liver and spleen in chicken (author's transl)] Calvo JJ, et al. **Rev Esp Fisiol** 1982 Mar;38(1):79–82 (Eng. Abstr.) **(Spa)**

BIOSYNTHESIS

Iron uptake and ferritin synthesis by peripheral blood leucocytes in patients with primary idiopathic haemochromatosis. Jacobs A, et al. **Br J Haematol** 1981 Dec;49(4):649–52
Ferritin synthesis in inflammation. II. Mechanism of increased ferritin synthesis. Konijn AM, et al. **Br J Haematol** 1981 Nov;49(3):361–70
Liver ferritin synthesis following chronic alcohol administration to rats: Modulation by propylthiouracil. Nadkarni GD, et al. **Experientia** 1982 Mar 15;38(3):372–3
Ferritin synthesis in peripheral blood monocytes in idiopathic hemochromatosis. Bassett ML, et al. **J Lab Clin Med** 1982 Jul;100(1):137–45
Isoferritins in rat Kupffer cells, hepatocytes, and extrahepatic macrophages. Biosynthesis in cell suspensions and cultures in response to iron. Doolittle RL, et al. **Lab Invest** 1981 Dec;45(6):567–74

BLOOD

Serum ferritin during the course of chronic myeloid leukemia. Increase of serum ferritin as a marker of dyserythropoiesis. Lang JM, et al. **Acta Haematol (Basel)** 1982;67(3):145–9
Serum ferritin levels in thalassemias and the effect of splenectomy. Pootrakul P, et al. **Acta Haematol (Basel)** 1981;66(4):244–50
Delayed decrease in serum ferritin in polytransfused children with thalassemia major after continuous subcutaneous infusions of desferrioxamine. Schettini F, et al. **Acta Haematol (Basel)** 1981;66(2):96–101
Serum ferritin in refractory anemias. Solomon LR, et al. **Acta Haematol (Basel)** 1981;66(1):1–5
Ferritin and iron status in Senegalese women. Rougereau A, et al. **Am J Clin Nutr** 1982 Aug;36(2):314–8
Normal serum ferritin levels in a patient with HEMPAS syndrome and iron overload. Faruqui S, et al. **Am J Clin Pathol** 1982 Jul;78(1):97–101
Serum ferritin levels in celiac disease. Souroujon M, et al. **Am J Clin Pathol** 1982 Jan;77(1):82–6
Changes in serum ferritin levels after intravenous iron. Blunden RW, et al. **Ann Clin Biochem** 1981 Jul;18(Pt 4):215–7
Increased serum ferritin levels of hyperthyroidism. Macaron CI, et al. **Ann Intern Med** 1982 May;96(5):617–8
Immature red cells have ferritin receptors. Pollack S, et al. **Biochem Biophys Res Commun** 1981 Jun;100(4):1667–72
Proteins, vitamin A, carotene, folacin, ferritin and zinc in Navajo maternal and cord blood. Butte NF, et al. **Biol Neonate** 1982;41(5–6):273–8
Serum ferritin in patients with hereditary spherocytosis. Blacklock HA, et al. **Br J Haematol** 1981 Sep;49(1):117–22
Serum ferritin from siderotic mice contains iron. Honda T, et al. **Br J Haematol** 1981 Dec;49(4):653–7
Ferritin concentration in normal and abnormal erythrocytes measured by immunoradiometric assay with antibodies to heart and spleen ferritin and Mössbauer spectroscopy. Jacobs A, et al. **Br J Haematol** 1981 Oct;49(2):201–7
Assessment of iron stores in inflammation by assay of serum ferritin concentrations [letter] Beldjord K, et al. **Br Med J [Clin Res]** 1982 Feb 13;284(6314):511
Assessment of iron stores in inflammation by assay of serum ferritin concentrations [letter] Bentley DP, et al. **Br Med J [Clin Res]** 1982 Jan 16;284(6310):198–9
Assessment of iron stores in inflammation by assay of serum ferritin concentrations. Blake DR, et al. **Br Med J [Clin Res]** 1981 Oct 31;283(6300):1147–8
Do women with menorrhagia need iron? Lewis GJ. **Br Med J [Clin Res]** 1982 Apr 17;284(6323):1158
Ferritin levels and circulating immune complexes in patients with solid tumors. Celada A, et al. **Bull Cancer (Paris)** 1982; 69(1):22–7
Significance of serum concentrations of carcinoembryonic antigen, ferritin, and calcitonin in breast cancer. Bezwoda W, et al. **Cancer** 1981 Oct 1;48(7):1623–8
Two-site immunoradiometric assay for serum ferritin altered by a change in solid-phase support medium [letter] Casey GJ, et al. **Clin Chem** 1981 Aug;27(8):1472–3
Idiopathic hemochromatosis: serum ferritin concentrations during therapy by phlebotomy. Garry PJ, et al. **Clin Chem** 1982 Aug;28(8):1806–8
Serum ferritin determination by enzyme immunoassay: importance of sample dilution (the 'Hook effect') [letter] Revenant MC, et al. **Clin Chem** 1982 Jan;28(1):253–4
Serum ferritin by a rapid and inexpensive ELISA method. Anderson MG, et al. **Clin Chim Acta** 1981 Nov 11; 116(3):405–8
Methodological effects on the quantitation of serum ferritin by radio- and enzymoimmunoassays. Ghielmi S, et al. **Clin Chim Acta** 1982 Apr 23;120(3):285–94
Development of a highly sensitive sandwich enzyme immunoassay for human ferritin using affinity-purified anti-ferritin labelled with beta-D-galactosidase from Escherichia coli. Imagawa M, et al. **Clin Chim Acta** 1982 Jun 3;121(3):277–89
Ferritin in human tissues and serum. Worwood M. **Clin Haematol** 1982 Jun;11(2):275–307 (167 ref.)
Serum ferritin and binding of serum ferritin to concanavalin A as a tumor marker in patients with primary liver cell cancer and chronic liver disease. Chapman RW, et al. **Dig Dis Sci** 1982 Feb;27(2):111–6
Serum ferritin, gammaglutamyl-transferase and alcohol consumption in healthy middle-aged men. Kristenson H, et al. **Drug Alcohol Depend** 1981 Aug;8(1):43–50
Serum ferritin as a third marker in germ cell tumours. Grail A, et al. **Eur J Cancer Clin Oncol** 1982 Mar;18(3):261–9
Ferritin – another tumor marker for testicular malignancies. Engelmann U, et al. **Eur Urol** 1981;7(6):355–8
Ferritin, alpha-fetoprotein and carcinoembryonic antigen concentration in the serum of mammary carcinoma patients. Yaneva M, et al. **Folia Med (Plovdiv)** 1981; 23(2):18–21
Serum ferritin evaluation with radioimmunoassays specific for HeLa and liver ferritin types. Arosio P, et al. **Immunol Lett** 1981 Nov;3(5):309–13
Levels of serum ferritin, folate, and vitamin B12 in pregnant women at term who had been supplemented with iron and folate. Celada A, et al. **Int J Biol Res Pregnancy** 1981; 2(3):142–5
Effects of ultra-marathon training and racing on hematologic parameters and serum ferritin levels in well-trained athletes. Dickson DN, et al. **Int J Sports Med** 1982 May; 3(2):111–7
Serum ferritin, transferrin, haptoglobin, and iron in middle- and long-distance runners, elite rowers, and professional racing cyclists. Dufaux B, et al. **Int J Sports Med** 1981 Feb;2(1):43–6
Particle counting immunoassay (PACIA) of ferritin. Limet JN, et al. **J Clin Chem Clin Biochem** 1982 Mar;20(3):141–6
A comparison of eleven commercial kits for the determination of serum ferritin levels. Wood WG. **J Clin Chem Clin Biochem** 1981 Sep;19(9):947–52
Effect of ascorbic acid deficiency on serum ferritin concentration in patients with beta-thalassaemia major and iron overload. Chapman RW, et al. **J Clin Pathol** 1982 May;35(5):487–91
Binding of serum ferritin to concanavalin A in patients with iron overload and with chronic liver disease. Chapman RW, et al. **J Clin Pathol** 1982 May;35(5):481–6
The significance of tumor marker assay in the staging of breast cancer Assessment of ferritin and beta-HCG levels. Micali B, et al. **J Nucl Med Allied Sci** 1981 Jul–Sep; 25(3):65–70
Serum ferritin concentrations after intravenous iron-dextran [letter] **Lancet** 1982 May 1;1(8279):1017–8
Failure of serum ferritin levels to predict bone-marrow iron content after intravenous iron-dextran therapy. Ali M, et al. **Lancet** 1982 Mar 20;1(8273):652–5
Serum ferritin concentration after intravenous iron-dextran [letter] Jacobs P. **Lancet** 1982 Aug 7;2(8293):333
Relationship between serum ferritin, anemia, and disease activity in acute and chronic rheumatoid arthritis. Rothwell RS, et al. **Rheumatol Int** 1981;1(2):65–7
Serum ferritin and mean corpuscular volume as predictors of bone marrow iron stores. Brink S, et al. **S Afr Med J** 1982 Mar 20;61(12):432–4
Serum ferritin in Ethiopian mothers and their newborn infants. Relation to iron intake and socio-economic conditions. Gebre-Medhin M, et al. **Scand J Haematol** 1981 Oct;27(4):247–52
Serum ferritin and bone marrow haemosiderin in patients with malignancies and in healthy controls. Jakobsen E, et al. **Scand J Haematol** 1982 Mar;28(3):264–71
Iron overload in beta-thalassaemia minor. A family study. Parfrey PS, et al. **Scand J Haematol** 1981 Oct;27(4):294–302
Serum ferritin in young men during prolonged heavy physical exercise. Vidnes A, et al. **Scand J Haematol** 1981 Sep; 27(3):165–70
Serum ferritin and bone marrow iron in patient on maintenance hemodialysis. Leu MI, et al. **Taiwan I Hsueh Hui Tsa Chih** 1981 Aug;80(8):804–14
Ferritin, finger clubbing, and lung disease. Shneerson JM, et al. **Thorax** 1981 Sep;36(9):688–92
[Significance of serum ferritin determinations] Siimes MA. **Duodecim** 1981;97(7):371–3 **(Fin)**
[Bioclinical importance of blood ferritin determination] Duthilleul P, et al. **Lille Med** 1981 Mar;26(3):110–4 **(Fre)**
[Serum-ferritin assay in patients over seventy. A study on fifty-eight non anemic subjects and thirty-five anemic patients (author's transl)] Durand H, et al. **Sem Hop Paris** 1982 Jan 21;58(3):183–8 (Eng. Abstr.) **(Fre)**

[Normal range and significance of serum ferritin; variations with age and sex (author's transl)] Pusch HJ, et al. **Aktuel Gerontol** 1981 Nov;11(6):208–11 (Eng. Abstr.) **(Ger)**

[Serum ferritin in differential diagnosis of anemia (author's transl)] Oertel J. **Klin Wochenschr** 1982 Jun 1;60(11):571–8 (Eng. Abstr.) **(Ger)**

[The clinical importance of serum ferritin] Dietzfelbinger H. **Med Klin [Prax]** 1982 May 21;77(11):14–9 **(Ger)**

[Importance of serum ferritin for the diagnosis and monitoring of iron deficiency] Kaltwasser JP. **Med Welt** 1981 Sep 18;32(38):1405–12 **(Ger)**

[Serum ferritin and nutrition in infants (author's transl)] Braun F, et al. **Padiatr Padol** 1982;17(3):617–21 **(Ger)**

[Serum ferritin in pregnancy at term and in newborn (author's transl)] Pavelka R, et al. **Padiatr Padol** 1981;16(4):443–50 (Eng. Abstr.) **(Ger)**

[The value of serum ferritin, serum iron and iron-binding capacity in the differential diagnosis of microcytic hypochromic anemia] Frey R, et al. **Schweiz Med Wochenschr** 1982 Jan 2;112(1):13–7 (Eng. Abstr.) **(Ger)**

[Ferritin – determination and diagnostic significance] Fereberger W. **Wien Med Wochenschr** 1981 Oct 31; 131(20):493–6 **(Ger)**

[Clinical aspects of the radioimmunological determination of serum ferritin] Bulfoni A. **Arch Sci Med (Torino)** 1982 Jan–Mar;139(1):45–9 (Eng. Abstr.) **(Ita)**

[Comparison between serum ferritin and induced sideruria in the diagnosis of disorders of iron metabolism] Morini PL, et al. **Minerva Med** 1981 Oct 20;72(40):2701–8 (Eng. Abstr.) **(Ita)**

[Determination of serum ferritin in hemodialyzed patients] Mombelloni S, et al. **Minerva Nefrol** 1981 Jul–Sep; 28(3):303–9 (Eng. Abstr.) **(Ita)**

[Serum ferritin in the follow-up of homozygotic beta-thalassemia treated with blood transfusion and iron-chelating agents] Esposito L, et al. **Pediatria (Napoli)** 1981 Sep 30;89(3):479–92 (Eng. Abstr.) **(Ita)**

[Relation between serum ferritin and various indices of hepato-cellular damage in homozygous beta-thalassemia] Ferrara M, et al. **Pediatria (Napoli)** 1980 Dec 31; 88(4):561–70 (Eng. Abstr.) **(Ita)**

[Fundamental studies of Phadebas ferritin PRIST kit and clinical application in malignant tumors (author's transl)] Kogo H. **Horumon To Rinsho** 1982 Mar;30(3):279–83 **(Jpn)**

[Serum ferritin level in hemodialysis patients (author's transl)] Nakajima K, et al. **Horumon To Rinsho** 1981 Nov; 29(11):1399–402 **(Jpn)**

[Fundamental studies on measurement of ferritin by a radioimmunoassay kit 'SPAC . Ferritin' (author's transl)] Shimada S, et al. **Horumon To Rinsho** 1981 Mar;29(3):371–5 **(Jpn)**

[Fundamental and clinical evaluation of measurement of serum ferritin using double antibody radioimmunoassay (author's transl)] Tashiro A, et al. **Horumon To Rinsho** 1981 Aug;29(8):961–6 **(Jpn)**

[Measurement of ferritin by GammaDab Ferritin RIA Kit (author's transl)] Asakawa H, et al. **Kaku Igaku** 1981 Feb; 18(1):123–8 **(Jpn)**

[Evaluation of GammaDab Ferritin Kit for measurement of serum ferritin (author's transl)] Niitsu Y, et al. **Kaku Igaku** 1981 Feb;18(1):117–22 **(Jpn)**

[Measurement of plasma ferritin by 2-site immunoradiometric assay (Phadebas Ferritin PRIST)--evaluation of the kit and clinical application (author's transl)] Tsujino D, et al. **Kaku Igaku** 1981 Dec;18(10):1489–95 **(Jpn)**

[Fundamental and clinical evaluation of ferritin RIA kit using paper disc method (author's transl)] Yoshii M, et al. **Kaku Igaku** 1982 Feb;19(1):139–47 **(Jpn)**

[Clinical evaluation of red blood cell ferritin and serum ferritin in maintenance hemodialysis patients (author's transl)] Futenma A, et al. **Nippon Jinzo Gakkai Shi** 1982 Jan;24(1):53–61 (Eng. Abstr.) **(Jpn)**

[Measurement of serum ferritin by solid-phase enzyme immunoassay: results in normal female subjects of various ages (author's transl)] Ishikawa K, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1981 Dec; 33(12):2088–96 (Eng. Abstr.) **(Jpn)**

[Serum ferritin levels in patient with gynecological malignancy--especially the judgement of therapeutic response and the monitor during the post-therapeutic follow-up period (author's transl)] Washizuka N, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1981 Oct; 33(10):1695–702 (Eng. Abstr.) **(Jpn)**

[Clinical evaluation of serum ferritin on the diagnosis for hepatocellular carcinoma (author's transl)] Kumada T, et al. **Nippon Shokakibyo Gakkai Zasshi** 1981 Dec 1; 78(12):2367–75 (Eng. Abstr.) **(Jpn)**

[Relationship between serum ferritin level and other blood chemistry in patients with cancer of uterine cervix (author's transl)] Ando Y, et al. **Rinsho Hoshasen** 1982 Jan; 27(1):97–102 (Eng. Abstr.) **(Jpn)**

[Clinical evaluation on serum ferritin in gynecological diseases with special attention to uterine cancer (author's transl)] Ishikawa K, et al. **Rinsho Ketsueki** 1982 Feb; 23(2):129–37 (Eng. Abstr.) **(Jpn)**

[Is serum ferritin of any use in the diagnosis of iron deficiency?] Eika C, et al. **Tidsskr Nor Laegeforen** 1981 Aug 10;101(22):1177–9 (Eng. Abstr.) **(Nor)**

[Idiopathic haemochromatosis. A family study for detecting preclinical cases] Soldal D, et al. **Tidsskr Nor Laegeforen** 1981 Jun 10;101(16):1005–6 (Eng. Abstr.) **(Nor)**

[Serum ferritin as an indicator of iron deficiency. An examination of patients in a medical department] Stakkestad JA, et al. **Tidsskr Nor Laegeforen** 1981 Aug 10; 101(22):1173–6 (Eng. Abstr.) **(Nor)**

[Beta 2-microglobulinemia and ferritin in the diagnosis of central nervous system involvement in lymphoproliferative syndromes] González Díaz M, et al. **Rev Clin Esp** 1982 Mar 15;164(5):325–8 (Eng. Abstr.) **(Spa)**

[Serum ferritin during hemodialysis. II: Outline for iron therapy] Marco Franco JE, et al. **Rev Clin Esp** 1982 Jan 15;164(1):11–4 (Eng. Abstr.) **(Spa)**

[Serum ferritin in hemodialysis. I. Study in populations treated with iron or untreated] Marco Franco JE, et al. **Rev Clin Esp** 1981 Dec 31;163(6):403–6 (Eng. Abstr.) **(Spa)**

[Radioimmunoassay of plasma ferritin of Gallus domesticus L.] Calvo JJ, et al. **Rev Esp Fisiol** 1981 Dec;37(4):447–54 (Eng. Abstr.) **(Spa)**

[Value of serum ferritin assessment in the diagnosis of iron lack in uraemic patients (author's transl)] Quereda C, et al. **Sangre (Barc)** 1981;26(4):447–55 (Eng. Abstr.) **(Spa)**

DIAGNOSTIC USE

A rapid technique for the visualization of cytoskeletal elements using cationized ferritin. Ben-Ze'ev A, et al. **Cell Biol Int Rep** 1981 Dec;5(12):1127–35

GENETICS

Evidence for post-transcriptional effects of T3 on hepatic ferritin synthesis. Jump DB, et al. **Biochem Biophys Res Commun** 1982 Jan 29;104(2):701–7

Natural enrichment of ferritin mRNA in mRNP particles. Watanabe N, et al. **Biochem Biophys Res Commun** 1981 Nov 16;103(1):207–12

IMMUNOLOGY

Isolation and initial characterization of a lymphocyte cap structure. Bourguignon GJ, et al. **Biochim Biophys Acta** 1981 Aug 6;646(1):109–18

Abolition of the bactericidal function of polymorphs by ferritin-antiferritin complexes. Bullen JJ, et al. **Immunology** 1982 Jul;46(3):497–505

Dosimetry of 131I-labeled anti-ferritin in hepatoma: a model for radioimmunoglobulin dosimetry. Leichner PK, et al. **Int J Radiat Oncol Biol Phys** 1981 Mar;7(3):323–33

Suppressor cel activity of ferritin-bearing lymphocytes in patients with breast cancer. Moroz C, et al. **Isr J Med Sci** 1981 Sep–Oct;17(9–10):879–81

Electron microscopic investigation of cell surface antigens using a multivalent hybrid antibody with double specificity. Mandache E, et al. **Morphol Embryol (Bucur)** 1981 Apr–Jun;27(2):109–15

[Antigen localization in Streptococcus group A, L forms and revertant by an immunoferritin method] Churilova NS, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1982 Jun;(6):95–8 (Eng. Abstr.) **(Rus)**

ISOLATION & PURIFICATION

Rapid one-step purification of ferritin from cell-free translation systems. Conlon-Hollingshead C, et al. **Anal Biochem** 1982 Mar 1;120(2):235–42

A three step purification procedure for human liver ferritin. Pagé M, et al. **Can J Biochem** 1980 Jun;58(6):494–8

METABOLISM

Cationized ferritin binding to anionic surfaces in normal and aminonucleoside nephrotic kidneys. Andrews PM. **Am J Anat** 1981 Oct;162(2):89–106

The bloodless rat: a new model for macromolecular transport studies across lung endothelium. Schneeberger EE, et al. **Am J Physiol** 1982 May;242(5):H890–9

Restricted mobility and endocytosis of anionic sites on newborn rat jejunal brush border membranes. Jersild RA Jr. **Anat Rec** 1982 Jan;202(1):61–71

Detection of a glycosylated subunit in human serum ferritin. Cragg SJ, et al. **Biochem J** 1981 Dec 1;199(3):565–71

Changes in the characteristics and distribution of ferritin in iron-loaded cell cultures. Hoy TG, et al. **Biochem J** 1981 Jan 1;193(1):87–92

The composition and the structure of bacterioferritin of Escherichia coli. Yariv J, et al. **Biochem J** 1981 Jul 1; 197(1):171–5

Iron transfer form transferrin to ferritin mediated by polyphosphate compounds. Konopka K, et al. **Biochim Biophys Acta** 1981 Nov 5;677(3–4):417–23

Mobilization of iron from ferritin by isolated mitochondria. Effects of species compatibility between ferritin and mitochondria and iron content of ferritin. Ulvik RJ, et al. **Biochim Biophys Acta** 1981 Sep 18;677(1):50–6

Relevance of ferritin-binding sites on isolated mitochondria to the mobilization of iron from ferritin. Ulvik RJ. **Biochim Biophys Acta** 1982 Mar 15;715(1):42–51

Non-enzymic glycosylation of horse spleen and rat liver ferritins. Zaman Z, et al. **Biochim Biophys Acta** 1981 Jul 28;669(2):120–4

Ferritin polymers and the formation of haemosiderin. Hoy TG, et al. **Br J Haematol** 1981 Dec;49(4):593–602

Acid mucopolysaccharide participation in the localization of Ga-67 [letter] Weiner R. **Clin Nucl Med** 1982 May; 7(5):242–3

Ferritin iron as substrate for synthesis of protoheme in intact rat liver mitochondria. Ulvik RJ. **FEBS Lett** 1981 Sep 28; 132(2):281–4

Acidic isoferritins as feedback regulators in normal and leukemic myelopoiesis. Broxmeyer HE, et al. **Hamatol Bluttransfus** 1981;26:243–5

Mercury uptake in vitro by ferritin. Ogata M, et al. **Ind Health** 1981;19(3):215–7

The negative charge of articular cartilage surfaces. An electron microscopic study using cationized ferritin. Stanescu R, et al. **J Bone Joint Surg [Am]** 1982 Mar; 64(3):388–98

A simple reliable method for producing electron dense markers of uniform size for use in immunoelectron microscopy. Morris RE, et al. **J Immunol Methods** 1982 Mar 26;49(3):237–46

The uptake of cationised ferritin and its subsequent redistribution by gallbladder epithelium in vivo. Hopwood D, et al. **J Pathol** 1982 Feb;136(2):95–109

The role of vesicles in the transport of ferritin through frog endothelium. Clough G, et al. **J Physiol (Lond)** 1981 Jun; 315:127–42

Distribution of anionic sites on surfaces of retinal cells: a study using cationized ferritin. Jakoi ER, et al. **J Ultrastruct Res** 1981 Jul;76(1):96–106

Ferritin—phospholipid interaction: a model system for intralysosomal ferritin segregation in iron-overloaded hepatocytes. Roifman CM, et al. **J Ultrastruct Res** 1982 Jun;79(3):307–13

Uptake and intracellular distribution of ferritin in the rat distal convoluted tubule. Madsen KM, et al. **Kidney Int** 1982 Feb;21(2):354–61

Uptake and clearance of ferritin by the glomerular mesangium. I. Phagocytosis by mesangial cells and blood monocytes. Cattell V, et al. **Lab Invest** 1982 Sep; 47(3):296–303

The role of duodenal mucosal ferritin in controlling iron absorption in rats. Setsuda T, et al. **Nippon Ketsueki Gakkai Zasshi** 1981 Jul;44(4):819–27

Coated vesicles from human placenta carry ferritin, transferrin, and immunoglobulin G. Pearse BM. **Proc Natl Acad Sci USA** 1982 Jan;79(2):451–5

Ferritin: a zinc detoxicant and a zinc ion donor. Price D, et al. **Proc Natl Acad Sci USA** 1982 May;79(10):3116–9

Iron, ferritin, and the liver. Powell LW, et al. **Prog Liver Dis** 1982;7:599–614 (74 ref.)

[Localization of Ga-67 in rat liver cell: the role of ferritin and lysosomes in intracellular gallium transport and storage (author's transl)] Samezima K, et al. **Kaku Igaku** 1981 Jul; 18(6):825–33 (Eng. Abstr.) **(Jpn)**

PHARMACODYNAMICS

Monocyte-macrophage-derived acidic isoferritins: normal feedback regulators of granulocyte-macrophage progenitor cells in vitro. Broxmeyer HE, et al. **Blood** 1982 Sep; 60(3):595–607

Relationship of cell-cycle expression of Ia-like antigenic determinants on normal and leukemia human granulocyte-macrophage progenitor cells to regulation in vitro by acidic isoferritins. Broxmeyer HE. **J Clin Invest** 1982 Mar;69(3):632–42

Association of the sensitivity of mouse granulocyte-macrophage progenitor cells to inhibition by acidic isoferritins with expression of Ia antigens for I-A and I-E/C subregions during DNA synthesis. Broxmeyer HE. **J Immunol** 1982 Sep;129(3):1002–7

Rat lymphocyte proliferative in vitro response to horse spleen ferritin. Lause DB, et al. **J Reticuloendothel Soc** 1981 Sep; 30(3):227–34

Inhibition of spontaneous transmitter release by the membrane ligand cationized ferritin. Publicover SJ. **Naunyn Schmiedebergs Arch Pharmacol** 1982 Feb; 318(3):246–8

Iron-containing proteins augment responses of human lymphocytes to phytohemagglutinin and pokeweek mitogen in serum-free medium. Tanno Y, et al. **Tohoku J Exp Med** 1982 Jul;137(3):335–43

Alterations in chondrocyte morphology, proliferation and binding of 35SO4 due to Fe(III), Fe(II), ferritin and haemoglobin in vitro. Kirkpatrick CJ, et al. **Virchows Arch [Cell Pathol]** 1982;38(3):297–306

PHYSIOLOGY

[Ferritin. Structure and function] Crichton RR. **Med Welt** 1981 Sep 18;32(38):1401–4 (43 ref.) **(Ger)**

FERROCHELATASE see under **LYASES**

FERROCYANIDES

Advantages of ferric ferricyanide to detect certain peptides and proteins on chromatograms. Lutz WB, et al. **Anal Biochem** 1982 Mar 1;120(2):410–3

Reaction of C-type cytochromes with the iron hexacyanides. Mechanistic implications. Ohno N, et al. **Biophys J** 1981 Dec;36(3):589–605

Primary fixation in osmium–potassium ferrocyanide: the

staining of glycogen, glycoproteins, elastin, an intranuclear reticular structure, and intercisternal trabeculae. Goldfischer S, et al. **J Histochem Cytochem** 1981 Sep; 29(9):1105–11

METABOLISM

Distribution of ferrocyanide along the proximal tubular lumen of the rat kidney: its implications upon hydrodynamics. Bonvalet JP, et al. **J Physiol (Lond)** 1981 Sep;318:85–98

PHARMACODYNAMICS

[Cooxidation of potassium ferrocyanide and o-dianisidine by hydrogen peroxide catalyzed by horseradish peroxidase. Substrate-substrate activation] Lebedeva OV, et al. **Biokhimiia** 1981 Jul;46(7):1202–9 (Eng. Abstr.) **(Rus)**

FERROCYTOCHROME C see **CYTOCHROME C**

FERROPROTOPORPHYRIN see **HEME**

FERROUS COMPOUNDS see under **IRON**

FERROZINE see under **TRIAZINES**

FERTILITY

A study of the relationship of motile sperm numbers in cervical mucus 48 hours after artificial insemination with subsequent fertility. Hanson FW, et al. **Am J Obstet Gynecol** 1982 May 1;143(1):85–90

The pattern of luteal phase plasma progesterone and estradiol in fertile cycles. Laufer N, et al. **Am J Obstet Gynecol** 1982 Aug 1;143(7):808–13

Family planning and abortion: have they affected fertility in Tennessee? Atrash HK, et al. **Am J Public Health** 1982 Jun;72(6):608–10

Survey of childbearing women in Qi-yi Commune. Gao ES, et al. **Am J Public Health** 1982 Sep;72(9 Suppl):27–9

Consanguinity, fecundity and post-natal mortality in Karnataka, South India. Devi AR, et al. **Ann Hum Biol** 1981 Sep–Oct;8(5):469–72

Pitcairn Island: fertility and population growth, 1790–1856. Refshauge WF, et al. **Ann Hum Biol** 1981 Jul–Aug; 8(4):303–12

Fertility of Nepalese Sherpas at moderate altitudes: comparisons with high-altitude data [letter] Weitz C. **Ann Hum Biol** 1981 Jul–Aug;8(4):383–5

Effects of hCG antiserum on reproductive organs and fertility of male rats. Chinoy NJ, et al. **Arch Androl** 1982 Jun; 8(4):293–5

Paternity in Klinefelter's syndrome--a case report. Laron Z, et al. **Arch Androl** 1982 Mar;8(2):149–51

Immunological control of male fertility. Talwar GP, et al. **Arch Androl** 1981 Sep;7(2):177–85

Effect of antibodies to boar spermatozoa on fertility in sows and rabbits. Veselský L, et al. **Arch Androl** 1981 Dec; 7(4):337–42

Microsurgical controversies: oviductal function and fertility. Wood C. **Aust NZ J Obstet Gynaecol** 1981 Aug;21(3):137–9

Effect of alloimmunization and heteroimmunization with zonae pellucidae on fertility in rabbits. Wood DM, et al. **Biol Reprod** 1981 Sep;25(2):439–50

Effect on fertility of storing turkey semen for 24 hours at 10 degrees C in fluids of different pH. Lake PE, et al. **Br Poult Sci** 1982 Jan;23(1):41–7

The effect of continuous aeration on the fertility of fowl and turkey semen stored above 0 degrees C. Wishart GJ. **Br Poult Sci** 1981 Sep;22(5):445–50

Modern diagnostic methods in practice: hormone assays in reproduction and fertility. Heap RB, et al. **Br Vet J** 1981 Nov;137(6):561–71 (61 ref.)

A pachytene analysis of two male-fertile paracentric inversions in chromosome 1 of the mouse and in the male-sterile double heterozygote. Chandley AC. **Chromosoma** 1982;85(1):127–35

Nutrition, fatness, puberty, and fertility. Frisch RE. **Compr Ther** 1981 Jul;7(7):15–23 (29 ref.)

Intermediate variables and educational differentials in fertility in Korea and the Philippines. Bumpass L, et al. **Demography** 1982 May;19(2):241–60

CBR versus TFR in cross-national fertility research. Entwisle B. **Demography** 1981 Nov;18(4):635–43

Income and fertility: the elusive relationship. Freedman DS, et al. **Demography** 1982 Feb;19(1):65–78

A probability mixture model of completed parity. Golbeck AL. **Demography** 1981 Nov;18(4):645–58

Dissolution of first unions in Colombia, Panama, and Peru. Goldman N. **Demography** 1981 Nov;18(4):659–79

Social structure and U.S. inter-state fertility differentials in 1900. Guest AM. **Demography** 1981 Nov;18(4):465–86

A note on measuring the independent impact of family planning programs on fertility declines. Hernandez DJ. **Demography** 1981 Nov;18(4):627–34

The effect of female education on fertility: a simple explanation. Jain AK. **Demography** 1981 Nov;18(4):577–95

Religion, socialization, and fertility. Janssen SG, et al. **Demography** 1981 Nov;18(4):511–28

Female employment and fertility in Peninsular Malaysia: the maternal role incompatibility hypothesis reconsidered. Mason KO, et al. **Demography** 1981 Nov;18(4):549–75

Some effects of spouse separation on fertility. Potter RG, et al. **Demography** 1982 Feb;19(1):79–95

A time series of instrumental fertility variables. Ryder NB. **Demography** 1981 Nov;18(4):487–509

Trends in total and marital fertility for black Americans, 1886–1899. Tolnay SE. **Demography** 1981 Nov;18(4):443–63

A macrosimulation approach to the investigation of natural fertility. Willigan JD, et al. **Demography** 1982 May; 19(2):161–76

Infertility after age 30: a false alarm. Bongaarts J. **Fam Plann Perspect** 1982 Mar–Apr;14(2):75–8

The impact of legal abortion on marital and nonmarital fertility in upstate New York. Tu EJ, et al. **Fam Plann Perspect** 1982 Jan–Feb;14(1):37–46

Fertility following bilateral ovarian wedge resection: a critical analysis of 90 consecutive cases of the polycystic ovary syndrome. Adashi EY, et al. **Fertil Steril** 1981 Sep; 36(3):320–5

The correlates of fertilizing capacity in normal fertile men. Aitken RJ, et al. **Fertil Steril** 1982 Jul;38(1):68–76

Female fertility and donor insemination. Emperaire JC, et al. **Fertil Steril** 1982 Jan;37(1):90–3

The structural and functional impact of microsurgical anastomosis on the rabbit oviductal isthmus. Halbert SA, et al. **Fertil Steril** 1981 Nov;36(5):653–8

Male fertility potential [letter] James WH. **Fertil Steril** 1982 Jun;37(6):855

Fertility and menopause in blind women. Lehrer S. **Fertil Steril** 1981 Sep;36(3):396–8

Fertility and ovum transport after microsurgical removal of the uterotubal junction in rabbits. Perez L, et al. **Fertil Steril** 1981 Dec;36(6):803–7

Male fertility potential [letter] Sloan DG. **Fertil Steril** 1982 Jan;37(1):126

The chromosomal basis of sexual isolation in two sibling species of Drosophila: D. arizonensis and D. mojavensis. Zouros E. **Genetics** 1981 Mar–Apr;97(3–4):703–18

The estimation of epistasis in components of fitness in experimental populations of drosophila melanogaster II. Assessment of meiotic drive, viability, fecundity and sexual selection. Clark AG, et al. **Heredity (Edinburgh)** 1981 Jun; 46(3):347–77

Age and fertility [letter] Cates W Jr. **Hosp Pract** 1982 Aug; 17(8):21

Maternal stature, fertility and infant mortality. Martorell R, et al. **Hum Biol** 1981 Sep;53(3):303–12

The interrelationship of mortality and fertility in rural Bolivia. Stinson S. **Hum Biol** 1982 May;54(2):299–313

Fertility and haemoglobin genotypes: a population study in Upper Assam (India). Deka R. **Hum Genet** 1981;59(2):172–4

An andrological study of 51 fertile men. Abyholm T. **Int J Androl** 1981 Dec;4(6):646–56

A study of the short-time variation and interrelationship of plasma hormone levels reflecting pituitary, adrenocortical and testicular function in fertile men. de la Torre B, et al. **Int J Androl** 1981 Oct;4(5):532–45

The incidence of non-specific infection in the semen in fertile and sub-fertile males. McGowan MP, et al. **Int J Androl** 1981 Dec;4(6):657–62

Cervical mucus: the biological marker of fertility and infertility. Billings JJ. **Int J Fertil** 1981;26(3):182–95

Biochemical indices of the fertile period in women. Collins WP, et al. **Int J Fertil** 1981;26(3):196–202

A survey of postpartum fertility studies with particular reference to the breastfeeding mother. Flynn AM. **Int J Fertil** 1981;26(3):203–8

Overview of the biological aspects of the fertile period. France JT. **Int J Fertil** 1981;26(3):143–52

The fertility of young adolescents. Baldwin W. **J Adolesc Health Care** 1980 Sep;1(1):54–9

Differential fertility in bipolar affective illness. Baron M, et al. **J Affective Disord** 1982 Jun;4(2):103–12

Fertility and prolificacy of crossbred ewes under two cycles of accelerated lambing. Dzakuma JM, et al. **J Anim Sci** 1982 Feb;54(2):213–20

Synchronization of ewes during anestrus: influence of time of year and interval to onset of estrus on conception rate. Lunstra DD, et al. **J Anim Sci** 1981 Aug;53(2):448–57

Beef X beef and dairy X beef females mated to Angus and Charolais sires II. Calf growth, weaning rate and cow productivity. Nelson LA, et al. **J Anim Sci** 1982 Jun; 54(6):1150–9

Estrus and fertility in lactating sows and piglet performance as influenced by limited nursing. Thompson LH, et al. **J Anim Sci** 1981 Dec;53(6):1419–23

Postpartum ovarian function and fertility in beef cattle that produce twins. Wheeler MB, et al. **J Anim Sci** 1982 Mar; 54(3):589–93

Age at first birth and completed family size in West Malaysia. Aghajanian A. **J Biosoc Sci** 1981 Apr;13(2):197–201

Economic condition and demography among the Mahishyas of Chakpota Village, Howrah District, West Bengal. Bharati P. **J Biosoc Sci** 1981 Jul;13(3):345–56

Fertility regulation in nursing women: I. The probability of conception in full nursing women living in an urban setting. Díaz S, et al. **J Biosoc Sci** 1982 Jul;14(3):329–41

Social and demographic determinants of fertility in Sri Lanka. Fernando DF. **J Biosoc Sci** 1982 Jan;14(1):59–67

Has fecundability been declining in recent years in developed countries? James WH. **J Biosoc Sci** 1981 Oct;13(4):419–24

Socioeconomic factors, intermediate variables and fertility in Bangladesh. Lee CF, et al. **J Biosoc Sci** 1981 Apr; 13(2):179–88

Lifetime patterns of childbearing and employment: a study of second-generation Japanese American women. Leonetti DL, et al. **J Biosoc Sci** 1982 Jan;14(1):81–97

A comparative microdemographic study of two communities in coastal Midnapore district, West Bengal. Mukhopadhyay B. **J Biosoc Sci** 1981 Oct;13(4):479–89

The Tokelau island study: fertility of New Zealand migrants. Stanhope JM, et al. **J Biosoc Sci** 1981 Jul;13(3):253–60

Fertility and infant mortality levels in Pakistan: a reassessment of the 1971 population growth survey. Yusuf F. **J Biosoc Sci** 1981 Apr;13(2):189–96

Urban-rural fertility differentials in Pakistan. Yusuf F, et al. **J Biosoc Sci** 1981 Oct;13(4):491–9

Reproductive functions in young fathers and grandfathers. Nieschlag E, et al. **J Clin Endocrinol Metab** 1982 Oct; 55(4):676–81

Maintained fertility in a patient with hyperprolactinemia due to big, big prolactin. Whittaker PG, et al. **J Clin Endocrinol Metab** 1981 Oct;53(4):863–6

Effect of nutrition on fertility and blood composition in the milk cow. Bogin E, et al. **J Dairy Res** 1982 Feb;49(1):13–23

Effect of thawing time on fertility of bovine spermatozoa in French straws. Almquist JO, et al. **J Dairy Sci** 1982 May;65(5):824–7

Correlation between post-thaw motility and acrosomal integrity of bovine sperm. Berndtson WE, et al. **J Dairy Sci** 1981 Feb;64(2):346–9

Rates of conception by artificial insemination of dairy cattle. Gwazdauskas FC, et al. **J Dairy Sci** 1981 Feb;64(2):358–62

Possible role of beta-carotene in improving fertility in dairy cattle. Hemken RW, et al. **J Dairy Sci** 1982 Jul; 65(7):1069–73 (37 ref.)

Parthenogenesis and effect of lack of mating on development and fecundity in Hyalomma (H.) anatolicum excavatum (Koch, 1844). el-Kammah KM. **J Egypt Soc Parasitol** 1981 Dec;11(2):253–9

Effects of dense housing on the growth of reproductive organs, plasma testosterone levels and fertility of male mice. Jean-Faucher C, et al. **J Endocrinol** 1981 Sep;90(3):397–402

Instability of nuclear chromatin in the ejaculated spermatozoa of fertile men. Blazak WF, et al. **J Reprod Fertil** 1982 Jul; 65(2):331–9

Sexual maturation and fecundity of wild and domestic Norway rats (Rattus norvegicus). Clark BR, et al. **J Reprod Fertil** 1981 Sep;63(1):215–20

Influence of sperm number and seminal plasma on fertility of progestagen-treated sheep in confinement. Langford GA, et al. **J Reprod Fertil** 1982 Jul;65(2):325–9

Association between erythrocyte 2,3-diphosphoglycerate levels and reproduction capacity in Long-Evans rats. Noble NA, et al. **J Reprod Fertil** 1982 Mar;64(2):443–8

Impact of socio-sexual conditions on the epididymis and fertility in the male mouse. Rastogi RK, et al. **J Reprod Fertil** 1981 Nov;63(2):331–4

Hormonal factors in fertility, infertility and contraception. Abstracts. **J Steroid Biochem** 1981 Nov;14(11):i–xxxvii

Ejaculation and fertility after extended retroperitoneal lymph node dissection for testicular cancer. Narayan P, et al. **J Urol** 1982 Apr;127(4):685–8

Delay in conception for former 'pill' users. Linn S, et al. **JAMA** 1982 Feb 5;247(5):629–32

Maternal blood groups and differential fertility: a hospital survey from Lahore. Shami SA. **JPMA** 1982 Jan;32(1):2–7

Semen characteristics and fertility of rabbits subjected to exhaustive use. Adams CE, et al. **Lab Anim** 1981 Apr; 15(2):157–61

In delay there lies no plenty [editorial] **Lancet** 1982 Mar 20; 1(8273):665

Decreased fertility in men with venous stasis of the legs. Howeil RG, et al. **Lancet** 1982 Sep 18;2(8299):630–1

Female fecundity as a function of age [letter] **N Engl J Med** 1982 Aug 5;307(6):373–4

Female fecundity and age [editorial] DeCherney AH, et al. **N Engl J Med** 1982 Feb 18;306(7):424–6

Female fecundity as a function of age: results of artificial insemination in 2193 nulliparous women with azoospermic husbands. Federation CECOS. Schwartz D, et al. **N Engl J Med** 1982 Feb 18;306(7):404–6

Oestrus synchronization of dairy heifers – follow-up of the fertility of treated animals. Swensson T. **Nord Vet Med** 1981 Sep–Nov;33(9–11):470–5

Breast-feeding, fertility, and family planning. McCann MF, et al. **Popul Rep [J]** 1981 Nov–Dec;Ser J(24):J-525–75

Effect of insemination intervals on oviducal sperm storage in turkeys. Christensen VL. **Poult Sci** 1981 Sep; 60(9):2150–6

Determination of male fertility in thirteen commercial lines of broiler parents. Fiser PS, et al. **Poult Sci** 1981 Oct; 60(10):2316–21

Development of extender and techniques for frozen turkey semen. 2. Fertility trials. Graham EF, et al. **Poult Sci** 1982 Mar;61(3):558–63

Changing patterns of conception and fertility. Proceedings of the sixteenth annual symposium of the Eugenics Society, London 1979. **Proc Annu Symp Eugen Soc** 1981;16:1–211

Recent and prospective fertility trends in Great Britain. Benjamin B. **Proc Annu Symp Eugen Soc** 1981;16:1–14

Fertility policies in the Latin American continent. Viel B. **Proc Annu Symp Eugen Soc** 1981;16:15–22

The Twinning and Fertility Paradox. Allen G. **Prog Clin Biol Res** 1981;69A:1–13 (29 ref.)

Marginal malnutrition and reproductive performance. Underwood BA. **Prog Clin Biol Res** 1981;77:247–59

Fertility of unilaterally vasectomized rats and ultrastructure of sperm granuloma. Lopes CM, et al. **Rev Bras Biol** 1981 Nov;41(4):867–71

Determinants of fertility in Guatemala. Anderson JE, et al. **Soc Biol** 1980 Spring;27(1):20–35

Women's role orientations and expected fertility: evidence from the Detroit area, 1978. De Vos S. **Soc Biol** 1980 Summer;27(2):130–7

Altitude and fertility: the confounding effect of childhood mortality--a Bolivian example. Dutt JS. **Soc Biol** 1980 Summer;27(2):101–13

Effects of fertility and mortality on extinction of family and number of living children. Krishnamoorthy S. **Soc Biol** 1980 Spring;27(1):62–9

Black fertility in decline: urban differentials in 1900. Tolnay SE. **Soc Biol** 1980 Winter;27(4):249–60

The effect on fecundity of pill acceptance during postpartum amenorrhea in rural Bangladesh. Bhatia S, et al. **Stud Fam Plann** 1982 Jun–Jul;13(6–7):200–7

The fertility-inhibiting effects of the intermediate fertility variables. Bongaarts J. **Stud Fam Plann** 1982 Jun–Jul; 13(6–7):179–89

Malnutrition and fecundity. Bongaarts J. **Stud Fam Plann** 1980 Dec;11(12):401–6

Sexual function and fertility in paraplegic males. Amelar RD, et al. **Urology** 1982 Jul;20(1):62–5

[Cryptorchism and fertility] Protich M, et al. **Akush Ginekol (Soflia)** 1982;21(1):62–6 (Eng. Abstr.) **(Bul)**

[Ratio between lactating and dry periods in cows differing in milk yield and duration of the period between calving] Iliev I. **Vet Med Nauki** 1982;19(2):3–10 (Eng. Abstr.) **(Bul)**

[Urea content in the blood serum and fertility in cows] Marinov S. **Vet Med Nauki** 1981;18(1):32–8 (Eng. Abstr.) **(Bul)**

[Fertility in patients with 45,X/46, XX and 45,X/47,XXX mosaicism (author's transl)] Musilová J, et al. **Cesk Gynekol** 1982 Jun;47(5):328–33 (Eng. Abstr.) **(Cze)**

[Relationships between spermiological, biochemical, endocrinological and fertilizing characteristics of boar ejaculates] Navrátil S, et al. **Vet Med (Praha)** 1981 Sep; 26(9):543–52 (Eng. Abstr.) **(Cze)**

[Fertility assessed by sperm analysis in 110 fertile men] Eldrup J. **Ugeskr Laeger** 1981 Dec 21;143(52):3525–8 (Eng. Abstr.) **(Dan)**

[Relationships between seminal enzymes and fertility (author's transl)] Guerin JF, et al. **Ann Endocrinol (Paris)** 1981 Oct–Nov;42(4–5):423–8 (Eng. Abstr.) **(Fre)**

[Semen characteristics and fertility (author's transl)] Jouannet P, et al. **Ann Endocrinol (Paris)** 1981 Oct–Nov; 42(4–5):416–22 (Eng. Abstr.) **(Fre)**

[Artificial insemination donor and female fertility (author's transl)] Emperaire JC, et al. **J Gynecol Obstet Biol Reprod (Paris)** 1981;10(7):717–27 (Eng. Abstr.) **(Fre)**

[Effects of washing gametes on their fertilization in rainbow trout] Billard R. **Rev Can Biol** 1981 Dec;40(4):317–21 (Eng. Abstr.) **(Fre)**

[Problems of deepfreeze conservation of ram sperm. 2. Effect of ram and thawing rate on pregnancy rate of pregnancy and studies on the prognosis of fertility] Neubert L, et al. **Arch Exp Veterinarmed** 1982;36(2):323–31 (Eng. Abstr.) **(Ger)**

[Environmental influences on fertility (author's transl)] Mattheus A, et al. **Derm Beruf Umwelt** 1981;29(5):135–8 (Eng. Abstr.) **(Ger)**

[The bull as a symbol of fertility. A report about findings of several territories (author's transl)] Hausmann W. **DTW** 1982 Feb 5;89(2):86–8 **(Ger)**

[Prospective studies into pregnancy of primigravidae with assessment of fertility, following induced or spontaneous abortion (author's transl)] Schott G, et al. **Zentralbl Gynakol** 1981;103(20):1220–7 (Eng. Abstr.) **(Ger)**

[Prospective studies on pregnancy following induced and spontaneous abortion of primigravidae and assessment of fertility. IV. report] Schott G, et al. **Zentralbl Gynakol** 1982;104(7):397–404 (Eng. Abstr.) **(Ger)**

[Studies of fertilizing capacity of spermatozoa from infertile men with oligozoospermia. AIH by washed and concentrated spermatozoa and in vitro fertilizing capacity to zona free hamster eggs (author's transl)] Takada Y, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1981 Dec; 33(12):2041–6 (Eng. Abstr.) **(Jpn)**

[Allospermoimmunization and fertility] Dakhno FV, et al. **Akush Ginekol (Mosk)** 1981 Jun;(6):14–6 (Eng. Abstr.) **(Rus)**

[Placental alpha 2-microglobulin: a specific fertility protein] Petrunin DD, et al. **Akush Ginekol (Mosk)** 1981 Jun; (6):16–7 **(Rus)**

[Assessment of male fertility by the basic ejaculate indices] Ustinkina TI. **Akush Ginekol (Mosk)** 1982 Apr;(4):21–3 (Eng. Abstr.) **(Rus)**

[Fertility and the cytogenetic analysis of the early embryogenesis stages in mice with T(16, 17)43H chromosomal translocation] Baranov VS, et al. **Genetika (Moskva)** 1981;17(8):1454–60 (Eng. Abstr.) **(Rus)**

[Fertility of Culicoides simulator Edw. females collected with a light trap] Gornostaeva RM. **Med Parazitol (Mosk)** 1982 Jan–Feb;51(1):25–8 (Eng. Abstr.) **(Rus)**

[Fertility of the female Mansonia richiardii (Culicidae) in the area surrounding the Kakhovka Reservoir] Gozhenko VA. **Parazitologiia** 1982 Mar–Apr;16(2):131–5 (Eng. Abstr.) **(Rus)**

[Changes in fertility in men with urethritis and prostatitis of different etiology] Iunda IF, et al. **Vestn Dermatol Venerol** 1982 Apr;(4):53–8 **(Rus)**

[Effect of inflammatory genital diseases on male fertility] Israilov SR. **Vrach Delo** 1981 Jul;(7):89–91 (Eng. Abstr.) **(Rus)**

[A study of fertility in the Trieste region (author's transl)] Benussi G, et al. **Jugosl Ginekol Opstet** 1981 May–Aug; 21(3–4):87–9 (Eng. Abstr.) **(Scr)**

[Human semen lactate dehydrogenase isoenzymes in fertility studies (author's transl)] Gonzalez Buitrago JM, et al. **Reproduccion** 1981 Jul–Sep;5(3):147–55 (Eng. Abstr.) **(Spa)**

[Fertility of women after conization] Fertilio O, et al. **Rev Chil Obstet Ginecol** 1979;44(4):157–65 (Eng. Abstr.) **(Spa)**

[Echohydrotubation, a new method of promoting fertility] Leal G, et al. **Rev Chil Obstet Ginecol** 1979;44(6):317–21 (Eng. Abstr.) **(Spa)**

DRUG EFFECTS

Antifertility efficacy of gossypol acetic acid in male rats. Weinbauer GF, et al. **Andrologia** 1982 May–Jun;14(3):270–5

Niridazole and fertility in bilharzial men. El-Beheiry AH, et al. **Arch Androl** 1982 Jun;8(4):297–300

Potential of 5-thio-D-glucose as an agent for controlling male fertility. Davies AG, et al. **Arch Androl** 1981 Sep; 7(2):153–8 (22 ref.)

A need for FSH in maintaining fertility of adult male subhuman primates. Moudgal NR. **Arch Androl** 1981 Sep; 7(2):117–25

Selective suppression of FSH as a possible approach for fertility regulation. Sheth AR, et al. **Arch Androl** 1981 Sep; 7(2):109–15

Effects of diet substituted in protein components on the fertility and on postnatal growth and behaviour of rats. Chiesara E, et al. **Arch Toxicol [Suppl]** 1982;5:205–8

Inhibition of fertility and sperm-zona binding by antiserum to the rabbit sperm membrane autoantigen RSA-1. O'Rand MG. **Biol Reprod** 1981 Oct;25(3):621–8

A field trial to assess the effect of copper glycinate injections on fertility in dairy cows. Whitaker DA. **Br Vet J** 1982 Jan–Feb;138(1):40–4

The effects of Hodgkin's disease and combination chemotherapy on gonadal function in the adult male. Whitehead E, et al. **Cancer** 1982 Feb 1;49(3):418–22

Potential use of male antifertility agents in developed countries. Bialy G, et al. **Chemotherapy** 1981;27 Suppl 2:102–6

The effect of 6-deoxy-6-fluoroglucose on the fertility of male rats and mice. Ford WC. **Contraception** 1982 May; 25(5):535–45

Antifertility and endocrine activities of gossypol in rodents. Hahn DW, et al. **Contraception** 1981 Jul;24(1):97–105

Fertility after discontinuation of levonorgestrel-releasing intrauterine devices. Nilsson CG. **Contraception** 1982 Mar; 25(3):273–8

3-(4-hydroxy phenyl)-2-propenoic acid – a reproductive inhibitor in male rat. Pakrashi A, et al. **Contraception** 1981 Jun;23(6):677–86

Gossypol: its toxicological and endocrinological effects in male rabbits. Sakesena SK, et al. **Contraception** 1981 Aug; 24(2):203–14

Antifertility effects of gossypol and its impurities on male hamsters. Waller DP, et al. **Contraception** 1981 Jun; 23(6):653–60

Effects of gossypol on pituitary-ovarian endocrine function, ovulation and fertility in female hamsters. Wu YM, et al. **Contraception** 1981 Sep;24(3):259–68

Effect of glycerol on motility, viability, extracellular aspartate aminotransferase release and fertility of stallion semen before and after freezing. Guay P, et al. **Equine Vet J** 1981 Jul;13(3):177–82

Antifertility activity of trimethylphosphate in male rats. Hanna PJ, et al. **Experientia** 1981;37(9):999–1001

Antifertility effects of clonidine in laying hens. Weppelman RM, et al. **Experientia** 1981;37(9):995–7

Antifertility effects of gossypol in male hamsters. Saksena SK, et al. **Fertil Steril** 1982 May;37(5):686–90

Effect of local application of guanethidine to epididymis on fertility in rats. Ratnasooriya WD, et al. **Indian J Exp Biol** 1981 Sep;19(9):867–70

Effect of indomethacin on fertility in male rats. Chowdhury SR, et al. **Indian J Physiol Pharmacol** 1981 Jan–Mar; 25(1):73–6

Long-term regulation of male fertility by norethisterone enanthate 'epididymal' implants: effect on libido and fertility of rabbits. Srivastava UK. **Indian J Physiol Pharmacol** 1981 Apr–Jun;25(2):158–62

Effects of antifertility drugs on epididymal protein secretion, acquisition of sperm surface proteins and fertility in male rats. Tsang AY, et al. **Int J Androl** 1981 Dec;4(6):703–12

Effects of prostaglandin F2 alpha and pregnani mares' serum gonadotropin (PMSG) on the reproductive performance of fluorogestone acetate PMSG-treated ewes. Hackett AJ, et al. **J Anim Sci** 1981 Jul;53(1):154–9

Endogenous hormone response and fertility in dairy heifers treated with norgestomet and estradiol valerate. Kazmer GW, et al. **J Anim Sci** 1981 Nov;53(5):1333–40

Influence of PMSG and time of artificial insemination on fertility of progestogen-treated sheep in confinement. Langford GA. **J Anim Sci** 1982 Jun;54(6):1205–11

Anti-reproductive and other medicinal effects of Tropaeolum tuberosum. Johns T, et al. **J Ethnopharmacol** 1982 Mar; 5(2):149–61

Detection of the effects of ingested caffeine on fertility of cocks by homospermic and heterospermic insemination. Hagen DR, et al. **J Reprod Fertil** 1981 Sep;63(1):11–5

Kinetics of the aromatic L-amino acid oxidase from dead bovine spermatozoa and the effect of catalase on fertility of diluted bovine semen stored at 5 degrees C and ambient temperatures. Shannon P, et al. **J Reprod Fertil** 1982 Mar; 64(2):463–7

The action of anti-inflammatory drugs on the fertility of female rats with intrauterine contraceptive devices. Testart J, et al. **J Reprod Fertil** 1981 Sep;63(1):257–61

Male fertility, sister chromatid exchange, and germ cell toxicity following exposure to mixtures of chlorinated phenoxy acids containing 2,3,7,8-tetrachlorodibenzo-p-dioxin. Lamb JC 4th, et al. **J Toxicol Environ Health** 1981 Nov–Dec;8(5–6):825–34

Resistance of the mouse to the antifertility effects of LHRH agonists. Bex FJ, et al. **Life Sci** 1982 Apr 12;30(15):1263–9

The effect of benzo(a)pyrene on fertility, primordial oocyte number, and ovarian response to pregnant mare's serum gonadotropin. Mattison DR, et al. **Pediatr Pharmacol (New York)** 1980;1(2):143–51

The effect of bull seminal ribonuclease on reproductive organs and sexual behaviour in male rats. Hliňák Z, et al. **Physiol Bohemoslov** 1981;30(6):539–42

The effect of lentinan on fertility and general reproductive performance of the rat. Cozens DD, et al. **Toxicol Lett** 1981 Sep;9(1):55–64

Evaluation of single and double artificial insemination regimes as methods of shortening calving intervals in dairy cows treated with dinoprost. Young IM, et al. **Vet Rec** 1981 Nov 14;109(20):446–9

[Control of sex cycle functions in sheep using cloprostenol, an analog of prostaglandin F2a] Bankov N, et al. **Vet Med Nauki** 1982;19(2):63–70 (Eng. Abstr.) **(Bul)**

[Effect of various drugs and enzymes on the quality of deeply frozen bull sperm] Stoianov T, et al. **Vet Med Nauki** 1982; 19(2):84–91 (Eng. Abstr.) **(Bul)**

[Studies on the mechanism of action of me-quingestanol on fertility in the rabbit (author's transl)] Wei YM. **Chung Hua Fu Chan Ko Tsa Chih** 1979 Apr;14(2):73–8 **(Chi)**

[Diminished fertility in seals in the Netherlands, possibly resulting from exposure to large amounts of polychlorinated biphenyls (author's transl)] Reijnders PJ. **Tijdschr Diergeneeskd** 1982 May 15;107(10):363–7 (Eng. Abstr.) **(Dut)**

[Effect of a single application of progesterone during early pregnancy on the fertility of gilts of different live weights] Lutter K, et al. **Arch Exp Veterinarmed** 1981;35(6):921–6 (Eng. Abstr.) **(Ger)**

[Effect of crude protein on fertility and urea content of the body fluids of high-yielding cows] Piatkowski B, et al. **Arch Tierernahr** 1981 Jul;31(7–8):497–504 (Eng. Abstr.) **(Ger)**

[1st practical experience with the use of a synthetic beta-carotene by the breeding and prophylactic herd service for dairy cattle] Heinz E, et al. **Berl Munch Tierarztl Wochenschr** 1982 Jun 1;95(11):214–7 (Eng. Abstr.) **(Ger)**

[Effects of a GnRH analog (Hoe 766) administered in the puerperium on the fertility of dairy cows] Küpfer U, et al. **Schweiz Arch Tierheilkd** 1981 Jul;123(7):355–62 (Eng. Abstr.) **(Ger)**

[Effect of an intensively mineral-fertilized feed on rabbit fertility] Meinecke B. **Zentralbl Veterinarmed [A]** 1982 Feb; 29(1):5–15 (Eng. Abstr.) **(Ger)**

[Effect of diethyl-stilbestrol on fertility] Biale Y. **Harefuah** 1981 Mar 1;100(5):238–40 **(Heb)**

[Reproduction study on netilmicin. (2) Fertility study in rats (author's transl)] Furuhashi T, et al. **Jpn J Antibiot** 1982 Feb;35(2):630–42 (Eng. Abstr.) **(Jpn)**

[Growth and fertility of Trichinella spiralis developed from larvae treated with Noviben and Panacur in vivo] Piotrowski R, et al. **Wiad Parazytol** 1981;27(3):517–20 (Eng. Abstr.) **(Pol)**

[Ovulation in swine following administration of centralized action preparations] Klinskii IuD, et al. **Arch Exp Veterinarmed** 1982 Jan;36(1):99–102 (Eng. Abstr.) **(Rus)**

[Effect of stimulators of sexual function on the hypothalamo-hypophyseal system and the fertility of androgenized female rats] Savchenko ON, et al. **Fiziol Zh SSSR** 1982 Mar;68(3):411–7 (Eng. Abstr.) **(Rus)**

[Effect of progesterone on lactation and post-partum infertility] Peralta O, et al. **Rev Chil Obstet Ginecol** 1980; 45(3):131–40 (Eng. Abstr.) **(Spa)**

[Effect of ethanol on ovulation, reproduction and fetal development in the rat] Marcó J, et al. **Rev Esp Fisiol** 1981 Dec;37(4):395–402 (Eng. Abstr.) **(Spa)**

RADIATION EFFECTS

Disturbances of fertility in female mice 99Sr-contaminated as foetuses. Rönnbäck C. **Acta Radiol [Oncol]** 1981; 20(5):337-43

Neutrons and X-rays, comparative studies with Drosophila melanogaster. I. The viability and fertility of induced autosomal translocations. Leigh B, et al. **Mutat Res** 1981 Nov;84(1):101-5

FERTILITY AGENTS, FEMALE

ADVERSE EFFECTS

Ultrasound in the ovarian hyperstimulation syndrome. Rankin RN, et al. **JCU** 1981 Nov-Dec;9(9):473-6

PHARMACODYNAMICS

A field trial to assess the effect of copper glycinate injections on fertility in dairy cows. Whitaker DA. **Br Vet J** 1982 Jan-Feb;138(1):40-4

THERAPEUTIC USE

[Therapeutic results obtained from women with functional sterility. First communication: combined oestrogen-gestagen therapy (author's transl)] Weise W, et al. **Zentralbl Gynakol** 1982;104(1):2-8 (Eng. Abstr.) **(Ger)**

FERTILITY AGENTS, FEMALE, HORMONAL see under **FERTILITY AGENTS, FEMALE**

FERTILITY AGENTS, FEMALE, SYNTHETIC see under **FERTILITY AGENTS, FEMALE**

FERTILITY AGENTS, MALE

THERAPEUTIC USE

[Hormonal treatment of idiopathic male infertility] Protich M. **Akush Ginekol (Sofiia)** 1981;20(4):344-8 (Eng. Abstr.) **(Bul)**

FERTILITY AGENTS, MALE, HORMONAL see under **FERTILITY AGENTS, MALE**

FERTILITY AGENTS, MALE, SYNTHETIC see under **FERTILITY AGENTS, MALE**

FERTILITY FACTOR see **F FACTOR**

FERTILIZATION

see related
GERM CELLS

Plasma prolactin concentrations during conception and the first ten weeks of human pregnancy. Lenton EA, et al. **Acta Endocrinol (Copenh)** 1982 Jun;100(2):295-300

Genetic expectations of polar body twinning. Goldgar DE, et al. **Acta Genet Med Gemellol (Roma)** 1981;30(4):257-66

Benefits of the sperm (hamster ova) penetration assay in the evaluation of the infertile couple. Stenchever MA, et al. **Am J Obstet Gynecol** 1982 May 1;143(1):91-6

The interfering effect of human IgG antisperm antibodies on human sperm penetration of zona-free hamster eggs. Haas GG Jr, et al. **Am J Reprod Immunol** 1980;1(1):40-3

Sperm-egg binding events during sea urchin fertilization. Lopo AC, et al. **Ann NY Acad Sci** 1982;383:405-25 (93 ref.)

Interaction of semen with ova in vitro. Quinn P, et al. **Arch Androl** 1982 May;8(3):189-98

Movement characteristics of hamster and guinea pig spermatozoa upon attachment to the zona pellucida. Katz DF, et al. **Biol Reprod** 1981 Nov;25(4):785-91

Development of the ability to bind to zonae pellucidae during epididymal maturation: reversible immobilization of mouse-spermatozoa by lanthanum. Saling PM. **Biol Reprod** 1982 Apr;26(3):429-36

Penetration of the mouse sperm head through the zona pellucida in vivo: an electronmicroscope study at 200KV. Toshimori K. **Biol Reprod** 1982 Apr;26(3):475-81

The clinical application of electron microscopy and the heterologous ova penetration test to the assessment of spermatozoa from infertile men. Pryor JP, et al. **Br J Urol** 1981 Dec;53(6):660-3

Fertilization of sea urchin eggs is accompanied by 40 S ribosomal subunit phosphorylation. Ballinger DG, et al. **Dev Biol** 1981 Oct 30;87(2):277-85

Anti-tubulin immunofluorescence microscopy of microtubules present during the pronuclear movement of sea urchin fertilization. Bestor TH, et al. **Dev Biol** 1981 Nov;88(1):80-91

Mammalian sperm-egg interaction: fertilization of mouse eggs triggers modification of the major zona pellucida glycoprotein, ZP2. Bleil JD, et al. **Dev Biol** 1981 Aug; 86(1):189-97

Reevaluation of cell surface protein release at fertilization and its role in regulation of sea urchin egg protein synthesis. Carroll EJ Jr, et al. **Dev Biol** 1981 Oct 30;87(2):374-8

Mouse gamete interactions: the zona pellucida is the site of the acrosome reaction leading to fertilization in vitro. Florman HM, et al. **Dev Biol** 1982 May;91(1):121-30

An electrical block is required to prevent polyspermy in eggs fertilized by natural mating of Xenopus laevis. Grey RD, et al. **Dev Biol** 1982 Feb;89(2):475-84

Evidence for participation of sperm proteinases in fertilization of the solitary ascidian, Halocynthia roretzi: effects of protease inhibitors. Hoshi M, et al. **Dev Biol** 1981 Aug;86(1):117-21

Release of glucose-6-phosphate dehydrogenase from cortex of Spisula eggs at fertilization and its recombination after meiosis. Ii I, et al. **Dev Biol** 1982 May;91(1):171-82

Integration of sperm and egg plasma membrane components at fertilization. Longo FJ. **Dev Biol** 1982 Feb;89(2):409-16

Protein synthesis as an early response to fertilization of the sea urchin egg: a model. Raff RA, et al. **Dev Biol** 1981 Sep;86(2):265-71

Sperm incorporation, the pronuclear migrations, and their relation to the establishment of the first embryonic axis: time-lapse video microscopy of the movements during fertilization of the sea urchin Lytechinus variegatus. Schatten G. **Dev Biol** 1981 Sep;86(2):426-37

Is there a role for the Ca2+ influx during fertilization of the sea urchin egg? Schmidt T, et al. **Dev Biol** 1982 Apr; 90(2):284-90

A rapid sodium-dependent block to polyspermy in sea urchin eggs. Schuel H, et al. **Dev Biol** 1981 Oct 30;87(2):249-58

Jelly coat and induction of the acrosome reaction in echinoid sperm. SeGall GK, et al. **Dev Biol** 1981 Aug;86(1):87-93

Initiation of cell wall lysis in gametes of Chlamydomonas reinhardi by isolated flagella of the complementary mating type. Kaska DD, et al. **Exp Cell Res** 1982 Mar;138(1):121-5

Fertilization of parthenogenetically activate mouse eggs. I. Behaviour of sperm nuclei in the cytoplasm of parthenogenetically activated eggs. Komar A. **Exp Cell Res** 1982 Jun;139(2):361-7

Purification and distribution of a lectin in sea urchin (Anthocidaris crassispina) egg before and after fertilization. Sasaki H, et al. **Exp Cell Res** 1981 Sep;135(1):15-9

31P-NMR study of the activation of the sea urchin egg. Winkler MM, et al. **Exp Cell Res** 1982 May;139(1):217-22

The effect of albumin gradients and human serum on the longevity and fertilizing capacity of human spermatozoa in the hamster ova penetration assay. Binor Z, et al. **Fertil Steril** 1982 Aug;38(2):222-6

Ability of antibody-bound human sperm to penetrate zona-free hamster ova in vitro. Bronson R, et al. **Fertil Steril** 1981 Dec;36(6):778-83

The development of a clinical test of sperm migration to the site or fertilization. Templeton AA, et al. **Fertil Steril** 1982 Mar;37(3):410-5

In vitro fertilizing capacity and fertility potential [letter] Tulchinsky D. **Fertil Steril** 1982 Aug;38(2):262-3

Zona-free hamster eggs and human sperm penetration capacity: a comparative study of proven fertile donors and infertility patients. Zausner-Guelman B, et al. **Fertil Steril** 1981 Dec;36(6):771-7

Fertilization of hamster ova by human spermatozoa in relation to other semen parameters. Cohen J, et al. **Int J Androl** 1982 Apr;5(2):210-24

The role of sperm-bound hyaluronidase in the dispersal of the cumulus oophorus surrounding rat ova. Lewin LM, et al. **Int J Androl** 1982 Feb;5(1):37-44

Seasonality of conception in human populations in Chile. Hajek ER, et al. **Int J Biometeorol** 1981 Dec;25(4):281-91

Fertility following excision of the mesotubarium superius in the rabbit. Beyth Y, et al. **Isr J Med Sci** 1982 Apr; 18(4):519-21

Use of boar spermatozoa for artificial insemination. III. Fecundity of boar spermatozoa stored in Beltsville liquid and Kiev extenders for three days at 18 C. Johnson LA, et al. **J Anim Sci** 1982 Jan;54(1):132-6

Use of boar spermatozoa for artificial insemination. II. Fertilizing capacity of fresh and frozen spermatozoa in gilts inseminated either at a fixed time or according to Walsmeta readings. Johnson LA, et al. **J Anim Sci** 1982 Jan; 54(1):126-31

Effect of uterine ligation and cervical plugs on retention of frozen-thawed boar sperm. Pursel VG. **J Anim Sci** 1982 Jan;54(1):137-41

Fertilization rate and early embryonic loss in Brahman crossbred heifers. Smith MF, et al. **J Anim Sci** 1982 May; 54(5):1005-11

Studies of the mechanism of the electrical polyspermy block using voltage clamp during cross-species fertilization. Jaffe LA, et al. **J Cell Biol** 1982 Mar;92(3):616-21

Isolation of a glycopeptide fraction from the surface of the sea urchin egg that inhibits sperm-egg binding and fertilization. Kinsey WH, et al. **J Cell Biol** 1981 Nov;91(2 Pt 1):325-31

Direct measurement of intracellular pH changes in Xenopus eggs at fertilization and cleavage. Webb DJ, et al. **J Cell Biol** 1981 Nov;91(2 Pt 1):562-7

Mechanisms of displacement of sperm basic nuclear proteins in mammals. An in vitro simulation of post-fertilization results. Rodman TC, et al. **J Cell Sci** 1982 Feb;53:227-44

Interrelationships with estrous behavior and conception in dairy cattle. De Silva AW, et al. **J Dairy Sci** 1981 Dec; 64(12):2409-18

Mechanisms of G6PD isozyme pattern changes at fertilization. Barber ML, et al. **J Exp Zool** 1982 Feb 20; 219(3):369-76

Cortical vesicle breakdown in fertilized eggs of Fundulus heteroclitus. Brummett AR, et al. **J Exp Zool** 1981 Apr; 216(1):63-79

Sperm nuclear decondensation in Barnea candida (mollusca, pelecypoda) oocytes does not require germinal vesicle breakdown. Dubé F, et al. **J Exp Zool** 1982 Jul 1; 221(3):383-7

Isolation of an arbacia sperm fertilization antigen. Eckberg WR, et al. **J Exp Zool** 1982 May 20;221(1):101-5

Fertile life of acrosome-reacted guinea pig spermatozoa. Fleming AD, et al. **J Exp Zool** 1982 Mar 1;220(1):109-15

Only acrosome-reacted spermatozoa can bind to and penetrate zona pellucida: a study using the guinea pig. Huang TT, et al. **J Exp Zool** 1981 Aug;217(2):287-90

Properties of an oviducal protein involved in amphibian oocyte fertilization. Miceli DC, et al. **J Exp Zool** 1982 Jul 1;221(3):357-64

Sperm penetration into rat ova fertilized in vivo. Phillips DM, et al. **J Exp Zool** 1982 Jul 1;221(3):373-8

Mechanism of univalent antisperm antibody inhibition of fertilization in the sea urchin, Arbacia punctulata. Saling PM, et al. **J Exp Zool** 1982 May 20;221(1):93-9

Specificity of sperm-zona interaction. Swenson CE, et al. **J Exp Zool** 1982 Jan 10;219(1):97-104

The fertilization performance in vivo of rabbit spermatozoa capacitated in vitro. Viriyapanich P, et al. **J Exp Zool** 1981 Apr;216(1):169-74

The law of human reproduction: an overview. Warren DG. **J Leg Med (Chicago)** 1982 Mar;3(1):1-57

Measurement of the sperm binding capacity of the mouse zona pellucida and its use in the estimation of anti-zona antibody titres. Aitken RJ, et al. **J Reprod Fertil** 1981 Nov; 63(2):295-307

Toluidine blue staining reveals changes in chromatin stabilization of mouse spermatozoa during epididymal maturation and penetration of ova. Krzanowska H. **J Reprod Fertil** 1982 Jan;64(1):97-101

Ultrastructural observations of fertilization in the Japanese long-fingered bat, Miniopterus schreibersii fuliginosus. Mori T, et al. **J Reprod Fertil** 1981 Sep;63(1):231-5

Fertilization of rabbit oocytes co-cultured with granulosa cells. Motlík J, et al. **J Reprod Fertil** 1981 Nov;63(2):425-9

Sperm penetration in vitro of human oocytes matured in a chemically defined medium. Nishimoto T, et al. **J Reprod Fertil** 1982 Jan;64(1):115-9

Separation of sperm pairs and sperm-egg interaction in the opossum, Didelphis virginiana. Rodger JC, et al. **J Reprod Fertil** 1982 Jan;64(1):171-9

Induction of oestrus, recovery of gametes, and the timing of fertilization events in the opossum, Didelphis virginiana. Rodger JC, et al. **J Reprod Fertil** 1982 Jan;64(1):159-69

Effect of Mycoplasma pulmonis on in-vivo fertilization in the mouse. Swenson CE. **J Reprod Fertil** 1982 Jul; 65(2):257-64

Effect of delayed insemination on in-vitro fertilization, culture and transfer of human embryos. Trounson AO, et al. **J Reprod Fertil** 1982 Mar;64(2):285-94

Heterologous ovum penetration by human spermatozoa. Tyler JP, et al. **J Reprod Fertil** 1981 Nov;63(2):499-508

Isolation of a high molecular weight glycoconjugate derived from the surface of S purpuratus eggs that is implicated in sperm adhesion. Glabe CG, et al. **J Supramol Struct Cell Biochem** 1981;15(4):387-94

Sperm-egg binding: identification of a species-specific sperm receptor from eggs of Strongly ocentrotus purpuratus. Rossignol DP, et al. **J Supramol Struct Cell Biochem** 1981; 15(4):347-58

Ion-dependent stages of the cortical reaction in surface complexes isolated from Arbacia punctulata eggs. Schön EA, et al. **J Ultrastruct Res** 1981 Aug;76(2):191-201

Sperm nuclear packing and regulation during spermatogenesis and fertilization. Zirkin BR, et al. **Johns Hopkins Med J** 1982 Sep;151(3):101-12

Intracellular pH changes accompanying the activation of development in frog eggs: comparison of pH microelectrodes and 31P-NMR measurements. Webb DJ, et al. **KROC Found Ser** 1981;15:293-324

Measuring the change in contingency tables using Markov models--application to the effect of preceding conception on the next one. Moussa MA, et al. **Methods Inf Med** 1982 Jan;21(1):31-3

Free Ca2+ increases in exponential phases during mouse oocyte activation. Cuthbertson KS, et al. **Nature** 1981 Dec 24;294(5843):754-7

Human male fertility [letter] Bronson RA, et al. **Obstet Gynecol** 1982 Feb;59(2):266-7

Do ring doves copulate more than necessary for fertilization? Cheng MF, et al. **Physiol Behav** 1981 Oct;27(4):659-62

Timing of fertilization in mammals: sperm cholesterol/phospholipid ratio as a determinant of the capacitation interval. Davis BK. **Proc Natl Acad Sci USA** 1981 Dec;78(12):7560-4

Ca-mediated activation of a K current at fertilization of golden hamster eggs. Miyazaki S, et al. **Proc Natl Acad Sci USA** 1982 Feb;79(3):931-5

31P NMR reveals increased intracellular pH after fertilization in Xenopus eggs. Nuccitelli R, et al. **Proc Natl Acad Sci USA** 1981 Jul;78(7):4421-5

Investigation of possible cholinergic mechanisms in fertilization of Xenopus eggs. Robbins N, et al. **Proc R Soc Lond [Biol]** 1981 Sep 17;213(1190):59-72

Biochemical mechanisms of fertilization. Barbieri FD. **Prog Clin Biol Res** 1982;87:235-50 (57 ref.)

Interfering effect of human IgG antisperm antibodies on

human sperm penetration of zona-free hamster eggs. Haas GG Hr, et al. **Prog Clin Biol Res** 1981;70:413–21

Fertilization in a crab. II. Cytological aspects of the cortical reaction and fertilization envelope elaboration. Goudeau M, et al. **Tissue Cell** 1982;14(2):273–82

[Dynamic interaction between spermatozoa and the mucosa of the female genital tract in the mouse: study using scanning and transmission electron microscopy] Familiari G, et al. **Bull Assoc Anat (Nancy)** 1981 Mar;65(188):83–92 (Eng. Abstr.) **(Fre)**

[A new parameter for the evaluation of the fertilization potential of human sperm: 'crossed penetration'] Balerna M, et al. **Gynakol Rundsch** 1981;21 Suppl 3:86–8 **(Fre)**

[Studies of fertilizing capacity of spermatozoa from infertile men with oligozoospermia. AIH by washed and concentrated spermatozoa and in vitro fertilizing capacity to zona free hamster eggs (author's transl)] Takada Y, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1981 Dec; 33(12):2041–6 (Eng. Abstr.) **(Jpn)**

[Data on oogenesis, fertilization and the possibility of in vitro cultivation of human ova] Kurilo LF, et al. **Akush Ginekol (Mosk)** 1981 Jun;(6):7–11 (43 ref.) **(Rus)**

[Human ovum at the pronucleus fusion stage after natural fertilization] Velikii PL, et al. **Arkh Anat Gistol Embriol** 1981 Jun;80(6):81–2 (Eng. Abstr.) **(Rus)**

DRUG EFFECTS

Inhibition of fertility and sperm–zona binding by antiserum to the rabbit sperm membrane autoantigen RSA–1. O'Rand MG. **Biol Reprod** 1981 Oct;25(3):621–8

Fertilization by guinea pig spermatozoa requires potassium ions. Rogers BJ, et al. **Biol Reprod** 1981 Oct;25(3):639–48

Effect of RMI–12,936 on fertilization and egg transport in the rabbit. Saksena SK, et al. **Contraception** 1981 Jul; 24(1):107–16

Effects of griseofulvin on fertilization and early development of sea urchins. Independence of DNA synthesis, chromosome condensation, and cytokinesis cycles from microtubule–mediated events. Schatten H, et al. **Eur J Cell Biol** 1982 Apr;27(1):74–87

Effect on fertilization and localized binding of lectins in the ascidian Phallusia mammillata. Honegger TG. **Exp Cell Res** 1982 Apr;138(2):446–51

Effects of motility inhibitors during sea urchin fertilization: microfilament inhibitors prevent sperm incorporation and restructuring of fertilized egg cortex, whereas microtubule inhibitors prevent pronuclear migrations. Schatten G, et al. **Exp Cell Res** 1981 Oct;135(2):311–30

Effects of purification or split ejaculation of semen and stimulation of spermatozoa by caffeine on their motility and fertilizing ability with the use of zona–free hamster ova. Weeda AJ, et al. **Fertil Steril** 1982 Jun;37(6):817–22

Fertilization and embryonic survival in ewes synchronized with exogenous hormones during the anestrous and estrous seasons. Lunstra DD, et al. **J Anim Sci** 1981 Aug; 53(2):458–66

Taxol inhibits the nuclear movements during fertilization and induces asters in unfertilized sea urchin eggs. Schatten G, et al. **J Cell Biol** 1982 Aug;94(2):455–65

Inhibition of in vitro fertilization of mouse eggs: 3–quinuclidinyl benzilate specifically blocks penetration of zonae pellucidae by mouse spermatozoa. Florman HM, et al. **J Exp Zool** 1981 Apr;216(1):159–67

In–vitro inhibition of the block to polyspermy of hamster eggs by tertiary amine local anaesthetics. Ahuja KK. **J Reprod Fertil** 1982 May;65(1):15–22

p–Aminobenzamidine, an acrosin inhibitor, inhibits mouse sperm penetration of the zona pellucida but not the acrosome reaction. Fraser LR. **J Reprod Fertil** 1982 May; 65(1):185–94

[Superovulation and fertilizability of cattle ovocytes depending on gonadotropin preparations (PMSG)] Darovskikh VE, et al. **Arch Exp Veterinarmed** 1982 Jan; 36(1):61–4 (Eng. Abstr.) **(Rus)**

RADIATION EFFECTS

Gamma–ray irradiation of the sperm of the fish Oryzias latipes and induction of gynogenesis. Ijiri K. **J Radiat Res (Tokyo)** 1980 Dec;21(3–4):263–70

Photoreactivation associated with chromosomal abnormality in sea urchin eggs fertilized with ultraviolet–irradiated sperm. Ejima Y, et al. **Photochem Photobiol** 1982 Jul; 36(1):37–41

FERTILIZATION, DELAYED see under **FERTILIZATION**

FERTILIZATION IN VITRO

The growth of human preimplantation embryos in vitro. Edwards RG, et al. **Am J Obstet Gynecol** 1981 Oct 15; 141(4):408–16

Test tube babies: fact or fiction? [letter] Greentree LB. **Am J Obstet Gynecol** 1981 Nov 1;141(5):593–4

Application of interspecies in vitro fertilization in the initial assessment of the infertile couple. Hammond MG, et al. **Am J Obstet Gynecol** 1982 Feb 1;142(3):340–3

Experience with in vitro fertilization of follicular rabbit oocytes and embryo transfer. Trotnow S, et al. **Arch Gynecol** 1981;231(1):41–50

Preoperative assessment for tubal surgery and in vitro fertilization. Johnston I, et al. **Aust NZ J Obstet Gynaecol** 1981 Aug;21(3):153–5

Chromosomal analyses after in vitro fertilization of squirrel monkey (Saimiri sciureus) oocytes. Asakawa T, et al. **Biol Reprod** 1982 May;26(4):579–83

Ethics and in–vitro fertilisation [letter] Browne S. **Br Med J [Clin Res]** 1982 Jun 26;284(6333):1950

Ethics and in–vitro fertilisation [editorial] Smith PK. **Br Med J [Clin Res]** 1982 May 1;284(6325):1287

Research in human in–vitro fertilisation and embryo transfer. Trounson A, et al. **Br Med J [Clin Res]** 1982 Jul 24; 285(6337):244–8

In vitro fertilization in humans and embryo transfer. Hewlett PT. **Can Med Assoc J** 1982 Aug 1;127(3):191–2

In vitro fertilizing capacity of fresh and cryopreserved human spermatozoa: a comparative study of freezing and thawing procedures. Cohen J, et al. **Fertil Steril** 1981 Sep; 36(3):356–62

In vitro fertilizing capacity of human spermatozoa with the use of zona–free hamster ova: interassay variation and prognostic value. Cohen J, et al. **Fertil Steril** 1982 Apr; 37(4):565–72

Could aspiration of the Graafian follicle cause luteal phase deficiency? Feichtinger W, et al. **Fertil Steril** 1982 Feb; 37(2):205–8

Corpus luteum function after follicle aspiration for oocyte retrieval. Garcia J, et al. **Fertil Steril** 1981 Nov;36(5):565–72

In vitro fertilization: the challenge of the eighties. Johnston I, et al. **Fertil Steril** 1981 Dec;36(6):699–706

Tubal pregnancy occurring after successful in vitro fertilization and embryo transfer. Smith DH, et al. **Fertil Steril** 1982 Jul;38(1):105–6

Ultrastructural observations on binding and membrane fusion between human sperm and zona pellucida–free hamster oocytes. Talbot P, et al. **Fertil Steril** 1982 Feb;37(2):240–8

Clinical features of eight pregnancies resulting from in vitro fertilization and embryo transfer. Wood C, et al. **Fertil Steril** 1982 Jul;38(1):22–9

The success rate of in vitro fertilization of human oocytes in relation to the concentrations of different hormones in follicular fluid and peripheral plasma. Wramsby H, et al. **Fertil Steril** 1981 Oct;36(4):448–54

Ultrastructure of the human ovum fertilized in vitro. Tesařík J, et al. **Folia Morphol (Praha)** 1981;29(3):297–304

Aspects of in vitro fertilization and embryo culture in domestic animals. Wright RW Jr, et al. **J Anim Sci** 1981 Sep;53(3):702–29 (146 ref.)

Successful fertilisation of human oocytes in vitro: concentration of estradiol–17 beta, progesterone and androstenedione in the antral fluid of donor follicles. Carson RS, et al. **J Clin Endocrinol Metab** 1982 Oct; 55(4):798–800

The male factor in fertilization of rat eggs in vitro. Shalgi R, et al. **J Exp Zool** 1981 Sep;217(3):399–402

Liability of the physician for the defects of a child caused by in vitro fertilization. Hubble GC. **J Leg Med (Chicago)** 1981 Dec;2(4):501–21

Surrogate mothers: private right or public wrong? Winslade WJ. **J Med Ethics** 1981 Sep;7(3):153–4

In–vitro fertilization of zona–free bovine oocytes matured in culture. Fulka J Jr, et al. **J Reprod Fertil** 1982 Mar; 64(2):495–9

Time relations of squirrel monkey (Saimiri sciureus) sperm capacitation and ovum maturation in an in–vitro fertilization system. Kuehl TJ, et al. **J Reprod Fertil** 1982 Jan;64(1):135–7

Effect of delayed insemination on in–vitro fertilization, culture and transfer of human embryos. Trounson AO, et al. **J Reprod Fertil** 1982 Mar;64(2):285–94

In vitro fertilization rates after varicocele repair. Mygatt GG, et al. **J Urol** 1982 Jun;127(6):1103–4

Human in vitro fertilization. A conservative view. Tiefel HO. **JAMA** 1982 Jun 18;247(23):3235–42

Test–tube babies—whatever next? **Lancet** 1981 Dec 5; 2(8258):1265–6

Sperm numbers and in–vitro fertilisation [letter] Craft I, et al. **Lancet** 1981 Nov 21;2(8256):1165–6

Ectopic pregnancy following in–vitro fertilisation and embryo transfer [letter] Tucker M, et al. **Lancet** 1981 Dec 5;2(8258):1278

In–vitro fertilisation pregnancy with early progestagen support [letter] Yovich J, et al. **Lancet** 1982 Aug 14; 2(8294):378–9

Test–tube man [editorial] Kirby MD. **Med J Aust** 1981 Jul 11;2(1):1–2

Test–tube babies pilloried again [news] **Nature** 1982 Feb 11; 295(5849):445

Britain's test–tube babies [editorial] **Nature** 1982 Jul 29; 298(5873):408

Test–tube babies, 1981. Edwards RG. **Nature** 1981 Sep 24; 293(5830):253–6

[Human oöcyte fertilized and divided in vitro to bicellular stage (author's transl)] Pilka L, et al. **Cesk Gynekol** 1982 Feb;47(1):3–6 (Eng. Abstr.) **(Cze)**

[Legal aspects of research and practice in fertility control] Štěpán J. **Cesk Gynekol** 1981 Apr;46(3):212–6 **(Cze)**

[Development of the human embryo in vitro into the morula stage (author's transl)] Tesařík J, et al. **Cesk Gynekol** 1982 Jun;47(5):324–7 (Eng. Abstr.) **(Cze)**

[In vitro fertilization and embryo transfers in non human primates (author's transl)] Kreitmann O. **Pathol Biol (Paris)** 1981 Oct;29(8):503–11 (Eng. Abstr.) **(Fre)**

[Optimal conditions for the harvesting of human ovocytes for the purposes of in vitro fertilization] Mettler L. **Rev Med Brux** 1982;3(4):285–93 **(Fre)**

[In vitro fertilization and embryo transfer as a treatment in tubal sterility. The first developmental stages of the human embryo: from fertilization to nidation] Mulnard J. **Rev Med Brux** 1982;3(4):275–84 (Eng. Abstr.) **(Fre)**

[Human in vitro fertilization and early stages of development (author's transl)] Testart J. **Rev Med Brux** 1982; 3(4):295–300 (Eng. Abstr.) **(Fre)**

[Twin pregnancy after laparoscopic oocyte recovery, in–vitro fertilization and embryotransfer (author's transl)] Feichtinger W, et al. **Geburtshilfe Fraunheilkd** 1982 Mar; 42(3):197–9 (Eng. Abstr.) **(Ger)**

[Pregnancies obtained by oocyte aspiration, in vitro fertilization, and embryo transfer during clomid/HCG stimulated cycles (author's transl)] Trotnow S, et al. **Geburtshilfe Fraunheilkd** 1981 Dec;41(12):835–6 (Eng. Abstr.) **(Ger)**

[In vitro fertilization and embryo transfer, medical and ethical considerations (author's transl)] Conti A. **Praxis** 1982 Apr 6;71(14):575–81 **(Ger)**

[Studies of fertilizing capacity of spermatozoa from infertile men with oligozoospermia. AIH by washed and concentrated spermatozoa and in vitro fertilizing capacity to zona free hamster eggs (author's transl)] Takada Y, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1981 Dec; 33(12):2041–6 (Eng. Abstr.) **(Jpn)**

[Data on oogenesis, fertilization and the possibility of in vitro cultivation of human ova] Kurilo LF, et al. **Akush Ginekol (Mosk)** 1981 Jun;(6):7–11 (43 ref.) **(Rus)**

[In vitro maturation of mammalian oocytes. II. Structural and biochemical transformations and the capacity for fertilization] Skoblina MN. **Ontogenez** 1982;13(1):18–27 (106 ref.) **(Rus)**

DRUG EFFECTS

Fertilization of pronase–treated mouse ova in vitro. Quinn P, et al. **Aust J Biol Sci** 1981;34(2):245–8

Reduction of fertilizing capacity of epididymal spermatozoa by 5 alpha–steroid reductase inhibitors. Cohen J, et al. **Experientia** 1981;37(9):1031–2

The importance of the presence of metabolizable sugars in a medium for in vitro fertilization of hamster eggs with postovulatory oviduct contents. Imai H, et al. **J Exp Zool** 1982 Apr 10;220(2):261–5

Effect of polyamines on fertilization of mouse ova in vitro. Stanger JD, et al. **J Exp Zool** 1982 May 1;220(3):377–80

Zinc effects on mouse spermatozoa and in–vitro fertilization. Aonuma S, et al. **J Reprod Fertil** 1981 Nov;63(2):463–6

Proteolytic enzymes stimulate human spermatozoal motility and in vitro hamster egg penetration. Cohen J, et al. **Life Sci** 1982 Mar 15;30(11):899–904

METHODS

Human embryo transfer in the treatment of infertility. Lopata A, et al. **Aust NZ J Obstet Gynaecol** 1981 Aug;21(3):156–8

Human luteal phase function following oocyte aspiration from the immediately preovular graafian follicle of spontaneous ovular cycles. Kerin JF, et al. **Br J Obstet Gynaecol** 1981 Oct;88(10):1021–8

Extracorporeal fertilization and embryo transfer. Trounson A, et al. **Clin Obstet Gynaecol** 1981 Dec;8(3):681–713 (50 ref.)

Results of laparoscopic recovery of preovulatory human oocytes from nonstimulated ovaries in an ongoing in vitro fertilization program. Feichtinger W, et al. **Fertil Steril** 1981 Dec;36(6):707–11

Ultrasound control of clomiphene/human chorionic gonadotropin stimulated cycles for oocyte recovery and in vitro fertilization. Hoult IJ, et al. **Fertil Steril** 1981 Sep; 36(3):316–9

The program for in vitro fertilization at Norfolk. Jones HW Jr, et al. **Fertil Steril** 1982 Jul;38(1):14–21

Human ovum recovery via operative laparoscopy and in vitro fertilization. Mettler L, et al. **Fertil Steril** 1982 Jul; 38(1):30–7

The moral uses of 'spare' embryos. Grobstein C. **Hastings Cent Rep** 1982 Jun;12(3):5–6

Mice produced from eggs fertilized in vitro at a very low sperm:egg ratio. Thadani VM. **J Exp Zool** 1982 Feb 20; 219(3):277–83

In vitro fertilization—a fast changing technique: a discussion paper. Craft I. **J R Soc Med** 1982 Apr;75(4):253–7

Sperm penetration in vitro of human oocytes matured in a chemically defined medium. Nishimoto T, et al. **J Reprod Fertil** 1982 Jan;64(1):115–9

Birth following oocyte and sperm transfer to the uterus [letter] Craft I, et al. **Lancet** 1982 Oct 2;2(8301):773

[Spontaneous abortion after intra–uterine transfer of an ovum fecundated in vitro (author's transl)] Frydman R, et al. **Nouv Presse Med** 1981 Nov 21;10(42):3475–6 (Eng. Abstr.) **(Fre)**

FERTILIZATION, POLYSPERMIC see under **FERTILIZATION**

FERTILIZED OVUM see **ZYGOTE**

FERTILIZERS

Elemental content of vegetables and millet grown in potted soil amended with lignite fly ash. Furr AK, et al. **Arch Environ Contam Toxicol** 1981 Sep;10(5):647–51

High blood and urine levels of cadmium in phosphate workers: a preliminary investigation. Sharma RP. **Bull Environ Contam Toxicol** 1981 Dec;27(6):806–9

Effects of fertilizers on eggs of Taenia saginata Goeze, 1782 under field conditions. Jelenová I. **Folia Parasitol (Praha)** 1981;28(3):285–7

Unexpected 226Ra build-up in wet-process phosphoric-acid plants. Lardinoye MH, et al. **Health Phys** 1982 Apr; 42(4):503–14

Salmonella organisms in garden fertilizers of animal origin. Smith HW, et al. **J Hyg (Lond)** 1982 Aug;89(1):125–8

Microbes in sewage sludge applied to land [editorial] **Lancet** 1982 Mar 27;1(8274):723–4

[Inhibitory action of magnesium thermophosphate on the fecundity of planorbids and its possible significance in the control of schistosomiasis mansoni] Milward-de-Andrade R, et al. **Rev Saude Publica** 1981 Feb;15(1):59–71 (Eng. Abstr.) **(Por)**

[Food value of vegetable and melon crops grown using different amounts of mineral fertilizers] Baratov KB, et al. **Gig Sanit** 1982 Mar;(3):85–6 **(Rus)**

[Prevention of reservoir pollution from pesticide and mineral fertilizer residues originating with surface runoff] Goncharuk EI, et al. **Gig Sanit** 1981 Nov;(11):13–5 (Eng. Abstr.) **(Rus)**

ADVERSE EFFECTS

[A case of allergic bronchopulmonary aspergillosis induced by bone powder, a fertilizer (author's transl)] Yamamoto T, et al. **Nippon Kyobu Shikkan Gakkai Zasshi** 1982 Mar; 20(3):340–5 (Eng. Abstr.) **(Jpn)**

[Occupational hygiene in the production of potassium fertilizers] Arkhangel'skiĭ VA, et al. **Gig Tr Prof Zabol** 1982 Feb;(2):39–40 **(Rus)**

[Use of fertilizers and the quality of wheat protein] Chakhovskiĭ IA. **Vopr Pitan** 1981 Jul-Aug;(4):48–52 (Eng. Abstr.) **(Rus)**

[Safety of grain grown on soils fertilized with carbonaceous rocks] Perevalov AIa, et al. **Vopr Pitan** 1982 Mar-Apr; (2):70 **(Rus)**

POISONING

Suspected ammonium nitrate fertiliser poisoning in cattle. Horner RF. **Vet Rec** 1982 May 15;110(20):472–4

TOXICITY

Performance of meadow voles from sewage sludge-amended fields in swim-escape behavior trials. Anderson TJ. **Bull Environ Contam Toxicol** 1982 Jan;28(1):81–4

FESTIVALS see under **HOLIDAYS**

FETAL ALCOHOL SYNDROME

Alcohol and the developing fetus. Pratt OE. **Br Med Bull** 1982 Jan;38(1):48–52

Fetal alcohol syndrome revisited. Iosub S, et al. **Pediatrics** 1981 Oct;68(4):475–9

Alcohol and the safety of the unborn child. Woollam DH. **R Soc Health J** 1981 Dec;101(6):241–4

BLOOD

Hypoglycemia in the fetal alcohol syndrome in rat. Tanaka H, et al. **Brain Dev** 1982;4(2):97–103

CHEMICALLY INDUCED

[Alcohol and pregnancy – the consequences for the child] Olegård R, et al. **Nord Med** 1982 Jan;97(1):6–8 **(Swe)**

COMPLICATIONS

Extrahepatic biliary atresia and renal anomalies in fetal alcohol syndrome. Dunigan TH, et al. **Am J Dis Child** 1981 Nov;135(11):1067–8

Management of severe feeding dysfunction in children with fetal alcohol syndrome. Van Dyke DC, et al. **Clin Pediatr (Phila)** 1982 Jun;21(6):336–9

Combined fetal alcohol and hydantoin syndromes. Wilker R, et al. **Clin Pediatr (Phila)** 1982 Jun;21(6):331–4

Growth retardation in fetal alcohol syndrome. Unresponsiveness to growth-promoting hormones. Castells S, et al. **Dev Pharmacol Ther** 1981;3(4):232–41

Prenatal alcohol effect disputed [letter] Farber JM. **Pediatrics** 1982 Aug;70(2):323–4

Prenatal alcohol effect disputed [letter] Valente M. **Pediatrics** 1982 Aug;70(2):323

DIAGNOSIS

Ethanol intoxication of the newborn: a case report and review of the literature. Fitzsimons RB, et al. **Ir Med J** 1981 Aug; 74(8):230–1

Prenatal alcohol effect disputed [letter] Miller M. **Pediatrics** 1982 Aug;70(2):322–3

[Alcohol and fetal development] Ferenc R. **Cesk Gynekol** 1982 Apr;47(3):178–82 **(Cze)**

[Alcoholic embryopathy (author's transl)] Holtorff J, et al. **Zentralbl Gynakol** 1981;103(14):785–96 (Eng. Abstr.) **(Ger)**

[Congenital alcohol syndrome in a 5-year-old girl] Kopyść Z, et al. **Pediatr Pol** 1981 Nov-Dec;56(11-12):1377–9 **(Pol)**

[Fetal alcohol syndrome] Milkowski J, et al. **Pol Tyg Lek** 1982 May 3;37(9–10):281–3 **(Pol)**

[Syndrome of alcoholic embryopathy] Usova EV, et al. **Zh Nevropatol Psikhiatr** 1981;81(10):1552–6 (Eng. Abstr.) **(Rus)**

[Alcoholic embryopathy (author's transl)] Sršňová K, et al. **Bratisl Lek Listy** 1981 Sep;76(3):341–6 (Eng. Abstr.) **(Slo)**

ENZYMOLOGY

[Activity of 2',3'-cyclic nucleotide 3'-phosphohydrolase in the central nervous system of rat fetal alcohol syndrome during development (author's transl)] Suzuki N, et al. **No To Shinkei** 1981 Dec;33(12):1207–12 (Eng. Abstr.) **(Jpn)**

ETIOLOGY

Fetal alcohol effects and maternal cough syrup abuse. Chasnoff IJ, et al. **Am J Dis Child** 1981 Oct;135(10):968

Alcohol use during pregnancy: a challenge for the '80s. Ashley MJ. **Can Med Assoc J** 1981 Jul 15;125(2):141–3

Effects of alcohol on the fetus: impact and prevention. Little RE, et al. **Can Med Assoc J** 1981 Jul 15;125(2):159–64 (45 ref.)

Alcohol and abnormal outcomes of pregnancy. Sokol RJ. **Can Med Assoc J** 1981 Jul 15;125(2):143–8 (25 ref.)

Zinc deficiency and the fetal alcohol syndrome [editorial] Dreosti IE. **Med J Aust** 1981 Jul 11;2(1):3–4

Characteristics of mothers of fetal alcohol syndrome children. Abel EL. **Neurobehav Toxicol Teratol** 1982 Jan-Feb; 4(1):3–4

Fetal malnutrition: a possible cause of the fetal alcohol syndrome. Lin GW. **Prog Biochem Pharmacol** 1981; 18:115–21

[Alcoholic embryopathies or maternal alcoholism as the cause of physical and mental handicaps] Ferrier PE. **Rev Med Suisse Romande** 1981 May;101(5):339–40 **(Fre)**

[Embryotoxic effect of ethanol and its biotransformation products in cultures of postimplantation rat embryos] Popov VB, et al. **Biull Eksp Biol Med** 1981 Dec; 92(12):725–8 (Eng. Abstr.) **(Rus)**

FAMILIAL & GENETIC

[Yq deletion in fetal syndrome (author's transl)] Bozzola M, et al. **Ann Pediatr (Paris)** 1982 May;29(5):367–9 **(Fre)**

METABOLISM

Fetal alcohol syndrome: inhibition of placental zinc transport as a potential mechanism for fetal growth retardation in the rat. Ghishan FK, et al. **J Lab Clin Med** 1982 Jul; 100(1):45–52

OCCURRENCE

The fetal alcohol syndrome in Japan. Tanaka H, et al. **Brain Dev** 1981;3(3):305–11

Epidemiological appraisal of the literature on the fetal alcohol syndrome in humans. Neugut RH. **Early Hum Dev** 1981 Sep;5(4):411–29 (59 ref.)

[Epidemiological aspects of the foetal alcoholism syndrome. 45 cases (author's transl)] Dehaene P, et al. **Nouv Presse Med** 1981 Sept 12;10(32):2639–43 (Eng. Abstr.) **(Fre)**

[Alcohol and pregnancy: incidence of the phenomenon and effects on the newborn infant in the population of a Varese hospital] De Nigris C, et al. **Ann Ostet Ginecol Med Perinat** 1981 Nov-Dec; 102(6):419–30 (Eng. Abstr.) **(Ita)**

PATHOLOGY

Fetal alcohol syndrome: a review. Wood N, et al. **ASDC J Dent Child** 1981 May-Jun;48(3):198–200 (51 ref.)

A rat model of the fetal alcohol syndrome--preliminary histological findings. Sherwin BT, et al. **Curr Alcohol** 1981; 8:495–510

Fetal alcohol syndrome: a dilemma of maternal alcoholism. Krous HF. **Pathol Annu** 1981;16 Pt 1:295–311 (89 ref.)

[Alcoholic embryopathy] Holtorff J, et al. **Z Gesamte Inn Med** 1981 Aug 15;36(16):587–93 (70 ref.) (Eng. Abstr.) **(Ger)**

PHYSIOPATHOLOGY

Ethanol-associated selective fetal malnutrition: a contributing factor in the fetal alcohol syndrome. Fisher SE, et al. **Alcoholism (NY)** 1982 Spring;6(2):197–201 (35 ref.)

Experimental studies on the influence of male alcoholism on fetal development. Tanaka H, et al. **Brain Dev** 1982;4(1):1–6

Symptoms of neonatal ethanol withdrawal. Robe LB, et al. **Curr Alcohol** 1981;8:485–93

Morphologic evidence for a delay of neuronal maturation in fetal alcohol exposure. Hammer RP Jr, et al. **Exp Neurol** 1981 Nov;74(2):587–96

Neuroendocrine effects of fetal alcohol exposure. Taylor AN, et al. **Prog Biochem Pharmacol** 1981;18:99–110 (42 ref.)

Fetal alcohol syndrome: neurochemical and endocrinological abnormalities. Thadani PV. **Prog Biochem Pharmacol** 1981; 18:83–98 (88 ref.)

Fetal alcohol syndrome. Varma SK, et al. **Prog Biochem Pharmacol** 1981;18:122–9 (36 ref.)

Fetal alcohol syndrome: embryogenesis in a mouse model. Sulik KK, et al. **Science** 1981 Nov 20;214(4523):936–8

PREVENTION & CONTROL

Prevention of fetal alcohol effects. Rosett HL, et al. **Pediatrics** 1982 Jun;69(6):813–6

Prevention research on the teratogenic effects of alcohol. Minor MJ, et al. **Prev Med** 1982 May;11(3):346–59

PSYCHOLOGY

Long-term follow-up of three siblings with fetal alcohol syndrome. Iosub S, et al. **Alcoholism (NY)** 1981 Fall; 5(4):523–7

Development of psychopathology of children with the fetal alcohol syndrome. Steinhausen HC, et al. **JDBP** 1982 Jun; 3(2):49–54

Development and psychopathology of children with the fetal alcohol syndrome. Steinhausen HC, et al. **JDBP** 1982 Jun; 3(2):49–54

Behavioral teratology of alcohol. Abel EL. **Psychol Bull** 1981 Nov;90(3):564–81

RADIOGRAPHY

Bone fusion in the foetal alcohol syndrome. Jaffer Z, et al. **J Bone Joint Surg [Br]** 1981;63B(4):569–71

Radiological aspects of the fetal alcohol syndrome. Cremin BJ, et al. **Pediatr Radiol** 1981;11(3):151–3

FETAL ANOXIA

see related **ASPHYXIA NEONATORUM**

BLOOD

Vasopressin secretion induced by hypoxia in sheep: developmental changes and relationship to beta-endorphin release. Stark RI, et al. **Am J Obstet Gynecol** 1982 May 15;143(2):204–15

Intrapartum stress lowers the concentration of high density lipoprotein cholesterol in cord plasma. Martinsen K, et al. **Eur J Clin Invest** 1981 Oct;11(5):351–4

Lactate as indicator for fetal and neonatal asphyxia [letter] Dellenbach P, et al. **Lancet** 1982 Apr 17;1(8277):907

CEREBROSPINAL FLUID

Cerebrospinal fluid lactate, pyruvate concentration and lactate/pyruvate ratio in newborn infants with perinatal hypoxia and oxygen dependency. Fekete M, et al. **Acta Paediatr Acad Sci Hung** 1980;21(4):211–20

COMPLICATIONS

Neuropathology in the chronic fetal lamb preparation: structure-function correlates under different environmental conditions. Clapp JF 3d, et al. **Am J Obstet Gynecol** 1981 Dec 15;141(8):973–86

Progressive choreo-athetosis related to birth anoxia [letter] Montagna P, et al. **J Neurol Neurosurg Psychiatry** 1981 Oct;44(10):957

Fetal and neonatal hypoxia. Studenikin MJ. **Padiatr Padol** 1982;17(2):271–8

DIAGNOSIS

Fetal heart rate and tissue pH changes associated with repetitive aortic occlusion in the pregnant dog. Abitbol MM. **Am J Obstet Gynecol** 1982 Jun 15;143(4):430–9

[Is hypoxia of the fetus always accompanied by precocious expulsion of meconium? (author's transl)] Doležal A, et al. **Sb Lek** 1981;83(11-12):359–62 (Eng. Abstr.) **(Cze)**

[Role of cardiotachography in the diagnosis of the severity of chronic fetal anoxia during pregnancy] Got'e ES, et al. **Akush Ginekol (Mosk)** 1982 Jan;(1):9–12 (Eng. Abstr.) **(Rus)**

[Importance of cardiac monitoring control in the diagnosis of chronic fetal hypoxia using the atropine test during pregnancy] Tsvigun VS, et al. **Akush Ginekol (Mosk)** 1981 Nov;(11):21–3 **(Rus)**

DRUG THERAPY

Beta 2-adrenergic treatment of neonatal hypoxic disorders. Lundell KH, et al. **Eur J Respir Dis** 1981 Oct;62(5):360–2

ENZYMOLOGY

[Lysozyme activity in the amniotic fluid, maternal venous blood and cord blood in normal labor and labor complicated by fetal anoxia] Zalewski J. **Ginekol Pol** 1981 Jan;52(1):39–43 (Eng. Abstr.) **(Pol)**

ETIOLOGY

Maternal smoking causes fetal hypoxia: experimental evidence. Socol ML, et al. **Am J Obstet Gynecol** 1982 Jan 15;142(2):214–8

METABOLISM

The influence of asphyxia on fetal lidocaine toxicity. O'Brien WF, et al. **Am J Obstet Gynecol** 1982 Jan 15;142(2):205–8

Influence of prenatal hypoxia on the DNA, RNA and protein content of the telencephalon of newborn and young rats. Lun A, et al. **Physiol Bohemoslov** 1982;31(1):87–90

[Purine base metabolism in the mother–placenta–fetus system in experimental hypoxia] Drukker NA, et al. **Vopr Med Khim** 1981 Nov–Dec;27(6):811–5 (Eng. Abstr.) **(Rus)**

OCCURRENCE

[Cases of abortion, premature labor and fetal anoxia after treatment of anovulation] Krzysiek J, et al. **Ginekol Pol** 1981 Jan;52(1):45–50 (Eng. Abstr.) **(Pol)**

PHYSIOPATHOLOGY

Measurement of visual evoked potential in the asphyctic fetus and during neonatal survival. Woods JR Jr, et al. **Am J Obstet Gynecol** 1982 Aug 15;143(8):944–51

Effect of hypoxemia and acidemia on the fetal cardiac response to acetylcholine: experimental observations in fetal baboons. Yeh MN, et al. **Am J Obstet Gynecol** 1981 Nov 15;141(6):682–7

The effect of brief episodes of diminished uterine blood flow on breathing movements, sleep states and heart rate in fetal sheep. Harding R, et al. **J Dev Physiol** 1981 August; 3(4):231–43

[Effect of prolonged pregnancy on the respiratory function in the newborn] Iaroslavskil VK. **Akush Ginekol (Mosk)** 1982 Jan;(1):21–4 (Eng. Abstr.) **(Rus)**

PREVENTION & CONTROL

[Use of hyperbaric oxygenation in the treatment of hypoxia in pregnancy complicated by heart valve defects] Aksenova TA, et al. **Sov Med** 1982;(4):101–3 **(Rus)**

THERAPY

[Rational administration of oxygen during labor when there are signs of fetal hypoxia] Reich I, et al. **Cesk Gynekol** 1981 Sep;46(8):624–6 **(Cze)**

[Prenatal treatment of hypotrophic foetuses by long-term glucose infusions. IV. Metabolic effect of infusions administered during deliveries with turbid amniotic fluid (author's transl)] Sabata V, et al. **Cesk Gynekol** 1981 Aug; 46(7):527–33 (Eng. Abstr.) **(Cze)**

FETAL BLOOD

The tumor promoter 12-O-tetradecanoyl-phorbol-13-acetate inhibits or enhances induction of differentiation of mouse myeloid leukemia cells depending on the type of serum in the medium. Kasukabe T, et al. **Gan** 1981 Apr;72(2):310–4

A T-cell line derived from normal human cord leukocytes by co-culturing with human leukemic T-cells. Miyoshi I, et al. **Gan** 1981 Dec;72(6):978–81

Identification of erythrocytes in intervillous thrombi: a study using immunoperoxidase identification of hemoglobins. Kaplan C, et al. **Hum Pathol** 1982 Jun;13(6):554–7

Different optimal PHA concentrations for stimulation of Chinese hamster lymphocytes in cultures supplemented with foetal calf serum or horse serum. De Jong B, et al. **J Immunol Methods** 1982;50(1):11–5

Fetal blood typing after sexual assault [letter] LaFerla JJ, et al. **JAMA** 1982 Sep 10;248(10):1179

Real-time identification of blood flow in the placenta and umbilical cord. Morin F, et al. **JCU** 1982 Jan;10(1):21–4

Sampling pure fetal blood in twin pregnancies by fetoscopy using a single uterine puncture. Rodeck CH, et al. **Prenatal Diagn** 1981 Jan;1(1):43–9

In vivo oxygen dissociation curve for whole fetal blood: fitting the Adair equation and blood gas nomogram. Käsinger W, et al. **Scand J Clin Lab Invest** 1981 Nov; 41(7):701–7

[A report on experimental studies and clinical application of cornea preserved with human cord blood serum (author's transl)] Xie LX. **Chung Hua Yen Ko Tsa Chih** 1981 Sep;17(5):294–8 **(Chi)**

[Neuronal differentiation of neural crest cells cultured in a defined medium] Ziller C, et al. **C R Seances Acad Sci [III]** 1981 Jun 29;292(23):1215–9 (Eng. Abstr.) **(Fre)**

[Serum ferritin in pregnancy at term and in newborn (author's transl)] Pavelka R, et al. **Padiatr Padol** 1981;16(4):443–50 (Eng. Abstr.) **(Ger)**

[Homologous intrauterine insemination with sperm resuspended in umbilical cord serum] Makler A Jacobi P, et al. **Harefuah** 1982 Feb 15;102(4):137–9 (Eng. Abstr.) **(Heb)**

ANALYSIS

Maternal and foetal drug levels after epicutaneous application of a local anaesthetic formulation containing ketocaine for possible use as pain relief in labour. Jouppila R, et al. **Acta Anaesthesiol Scand** 1981 Feb;25(1):73–5

Immunoreactive beta-endorphin/lipotrophin in the chronically cannulated ovine foetus: response to bilateral foetal adrenalectomy. Hennessy DP, et al. **Acta Endocrinol (Copenh)** 1982 Apr;99(4):612–8

Possible circadian periodicity of foetal prolactin secretion late in gestation. Yaginuma T. **Acta Endocrinol (Copenh)** 1981 Sep;98(1):106–11

Levels of transcobalamins I, II, and III during pregnancy and in cord blood. Fernandes-Costa F, et al. **Am J Clin Nutr** 1982 Jan;35(1):87–94

The relationship of blood lead levels to obstetric outcome. Angell NF, et al. **Am J Obstet Gynecol** 1982 Jan 1; 142(1):40–6

Effect of maternal serum insulin on umbilical extraction of glucose and lactate in fed and fasted sheep. Crandell SS, et al. **Am J Obstet Gynecol** 1982 Jan 15;142(2):219–24

Minor fetal hemoglobins in relation to gestational age. Fadel HE, et al. **Am J Obstet Gynecol** 1981 Nov 15;141(6):704–8

Concentrations of luteinizing hormone—human chorionic gonadotropin, beta subunit of human chorionic gonadotropin, follicle-stimulating hormone, estradiol, cortisol, and testosterone in cord sera and their correlations. Furuhashi N, et al. **Am J Obstet Gynecol** 1982 Aug 15; 143(8):918–21

Prolactin, estradiol, and thyroid hormones in umbilical cord blood of neonates with and without hyaline membrane disease: a study of 405 neonates from midpregnancy to term. Ho Yuen B, et al. **Am J Obstet Gynecol** 1982 Mar 15;142(6 Pt 1):698–703

Fetal and maternal plasma catecholamine levels at elective cesarean section under general or epidural anesthesia versus vaginal delivery. Irestedt L, et al. **Am J Obstet Gynecol** 1982 Apr 15;142(8):1004–10

The effect of labor on maternal and fetal circulating catecholamines. Jones CM 3d, et al. **Am J Obstet Gynecol** 1982 Sep 15;144(2):149–53

Cadmium levels in maternal blood, fetal cord blood, and placental tissues of pregnant women who smoke. Kuhnert PM, et al. **Am J Obstet Gynecol** 1982 Apr 15;142(8):1021–5

Maternal and cord blood background mercury levels: a longitudinal surveillance. Kuntz WD, et al. **Am J Obstet Gynecol** 1982 Jun 15;143(4):440–3

Cortisol levels of infants at birth [letter] Pearson Murphy BE. **Am J Obstet Gynecol** 1982 Aug 1;143(7):852–3

Hemoglobin A1C in pregnancy [letter] Schwartz HC, et al. **Am J Obstet Gynecol** 1981 Oct 1;141(3):355–6

Screening of the umbilical cord blood for sickle cell disease: utilization and implementation. Scott RB, et al. **Am J Pediatr Hematol Oncol** 1982 Summer;4(2):202–5

Maternal fetal and placental gastrin concentrations. Attia RR, et al. **Anaesthesia** 1982 Jan;37(1):18–21

Lead determinations in the blood of the umbilical cord of normal neonates. Montoya-Cabrera MA, et al. **Arch Invest Med (Mex)** 1981;12(4):457–62 **(Eng, Spa)**

Neonatal umbilical cord blood lipoproteins. Isolation and characterization of intermediate density and low density lipoproteins. Davis PA, et al. **Arteriosclerosis** 1982 Jan–Feb; 2(1):37–43

Distribution of alpha 1-antitrypsin (PI) subtypes from newborns. Mulley JC. **Aust J Exp Biol Med Sci** 1982 Apr; 60(Pt 2):207–9

Human albumin from cord blood: some distinctive characteristics. Gallango ML, et al. **Biochem Med** 1981 Oct; 26(2):127–34

Mouse hemoglobin during gestation. Absence of fetal hemoglobin. Zucker RM. **Biochim Biophys Acta** 1982 May 3;703(2):212–5

Cyclic 3',5'-adenosine monophosphate in umbilical cord blood of the newborn infant: relation to fetal stress and plasma catecholamines. Bistoletti P, et al. **Biol Neonate** 1981;40(3–4):145–9

Proteins, vitamin A, carotene, folacin, ferritin and zinc in Navajo maternal and cord blood. Butte NF, et al. **Biol Neonate** 1982;41(5–6):273–8

Detection of proteins in human amniotic fluid using two-dimensional gel electrophoresis. Jones MI, et al. **Biol Neonate** 1981;39(3–4):171–7

Hb Bart's level in cord blood and deletions of alpha-globin genes. Lie-Injo LE, et al. **Blood** 1982 Feb;59(2):370–6

Maternal and fetal concentration of morphine after intrathecal administration during labour. Bonnardot JP, et al. **Br J Anaesth** 1982 May;54(5):487–9

Inadequacy of Hb Barl's as an indicator of alpha thalassaemia [letter] Higgs DR, et al. **Br J Haematol** 1982 May; 51(1):177–8

Circumstances influencing umbilical-cord plasma catecholamines at delivery. Falconer AD, et al. **Br J Obstet Gynaecol** 1982 Jan;89(1):44–9

Maternal, fetal and aminiotic fluid ACTH, cortisol and prolactin in association with medical beta-adrenergic stimulation. Kauppila A, et al. **Br J Obstet Gynaecol** 1981 Nov;88(11):1097–1100

Umbilical-cord plasma progesterone in term infants delivered by caesarean section. Shaxted EJ, et al. **Br J Obstet Gynaecol** 1982 Jan;89(1):73–6

Maternal and fetal plasma zinc concentration and fetal abnormality. Soltan MH, et al. **Br J Obstet Gynaecol** 1982 Jan;89(1):56–8

Obstetric outcome and problems of mid-trimester fetal blood sampling for antenatal diagnosis. Ward RH, et al. **Br J Obstet Gynaecol** 1981 Nov;88(11):1073–80

Quantitation of beta-lipoprotein in cord serum by rate nephelometric immunoassay: a potential screening test for familial hypercholesterolemia. Brewster TG, et al. **Clin Chem** 1982 May;28(5):1192–6

Chloroquine and its metabolites in human cord blood, neonatal blood, and urine after maternal medication. Essien EE, et al. **Clin Chem** 1982 May;28(5):1148–52

Monitoring of fetal scalp pH. Simkovich JW. **Clin Lab Med** 1981 Jun;1(2):215–25

Fetal blood analysis. I. Effect of delayed collection. Silverman F, et al. **Diagn Gynecol Obstet** 1982 Summer; 4(2):87–91

Fetal blood analysis. II. Effect of delayed assay on pH and lactate. Wilson SJ, et al. **Diagn Gynecol Obstet** 1982 Summer;4(2):93–6

TSH and thyroxine in cord blood of subjects from an endemic area. Constantinescu A, et al. **Endocrinologie** 1982 Jan–Mar; 20(1):17–23

Measurement of somatomedin-related peptides in fetal, neonatal, and maternal rat serum by insulin-like growth factor (IGF) I radioimmunoassay, IGF-II radioreceptor assay (RRA), and multiplication-stimulating activity RRA after acid-ethanol extraction. Daughaday WH, et al. **Endocrinology** 1982 Feb;110(2):575–81

Intrapartum stress lowers the concentration of high density lipoprotein cholesterol in cord plasma. Martinsen K, et al. **Eur J Clin Invest** 1981 Oct;11(5):351–4

Somatomedin-like activity in cord blood from infants of hypertensive mothers. Falconer J, et al. **Eur J Obstet Gynaecol Reprod Biol** 1981 Sep;12(3):151–5

Correlation of birth weights with umbilical cord serum LH-hCG, FSH, beta-hCG, Estradiol, Cortisol and Testosterone levels. Furuhashi N, et al. **Gynecol Obstet Invest** 1982;13(4):241–8

The screening of Chinese cord blood for haemoglobinopathies. Li AM, et al. **Hum Hered** 1982; 32(1):62–70

Immunoglobulin levels in mothers and their new-born in two socio-economic groups. Raman L, et al. **Indian J Pediatr** 1981 May–Jun;48(392):263–9

Biochemical values in the Indian newborn: a study at birth of the normal low birth weight and full-term infants. Vegad JN, et al. **Indian Pediatr** 1981 Oct;18(10):705–9

Cord blood hypertriglyceridemia in Chinese newborns: an index of fetal distress. Chow SN, et al. **Int J Biol Res Pregnancy** 1982;3(1):33–7

Serum triglyceride levels in newborns and mothers at parturition. Chow SN, et al. **Int J Biol Res Pregnancy** 1982; 3(1):30–2

Fetal and maternal catecholamines in cesarean section. Saarikoski S, et al. **Int J Biol Res Pregnancy** 1982;3(1):18–20

The effect of local atmospheric temperature upon umbilical cord 25-hydroxy vitamin D. Glasgow JF, et al. **Ir J Med Sci** 1982 Jun;151(6):180–3

Inhibitory effect of alpha-fetoprotein on protein synthesis in a reticulocyte lysate cell-free system. Aoyagi Y, et al. **J Biol Chem** 1982 Aug 25;257(16):9566–9

Umbilical cord plasma levels of dehydroepiandrosterone sulfate during human gestation. Parker CR Jr, et al. **J Clin Endocrinol Metab** 1982 Jun;54(6):1216–20

Human cord blood concentrations of thyrotropin, thyroglobulin, and iodothyronines after maternal administration of thyrotropin-releasing hormone. Roti E, et al. **J Clin Endocrinol Metab** 1981 Oct;53(4):813–7

Quantitative comparison between biological and immunological activities of prolactin derived from human fetal and maternal sources. Tomita K, et al. **J Clin Endocrinol Metab** 1982 Aug;55(2):269–71

Haematological and obstetric aspects of antenatal diagnosis of beta-thalassaemia: experience with 200 cases. Cao A, et al. **J Med Genet** 1982 Apr;19(2):81–7

Plasma levels of 25-hydroxyvitamin D2 and 25-hydroxyvitamin D3 in maternal, cord and neonatal blood. Kuroda E, et al. **J Nutr Sci Vitaminol (Tokyo)** 1981; 27(1):55–65

Human beta-endorphin-like immunoreactivity in the perinatal/neonatal period. Moss IR, et al. **J Pediatr** 1982 Sep;101(3):443–6

The binding of basic drugs to alpha-acid glycoprotein in cord serum. Piafsky KM, et al. **J Pediatr** 1982 May; 100(5):820–2

Physiological insights based on fetal tcPO2 monitoring. Huch A, et al. **J Perinat Med** 1981;9(4):184–8

Fetal scalp blood analysis. Saling E. **J Perinat Med** 1981; 9(4):165–77

The relationship of prolactin in cord blood, gestational age and respi.atory compliance after birth in newborn infants. Schober E, et al. **J Perinat Med** 1982;10(1):23–6

Umbilical cord gases in home deliveries versus hospital-based deliveries. Eskes TK, et al. **J Reprod Med** 1981 Aug; 26(8):405–8

The use of chemical analyses of umbilical cord blood for the computation of instantaneous fetal growth. Faber JJ, et al. **J Theor Biol** 1981 Apr 7;89(3):433–48

Antenatal diagnosis of severe combined immunodeficiency from fetal cord blood [letter] Durandy A, et al. **Lancet** 1982 Apr 10;1(8276):852–3

Plasma vitamin K1 in mothers and their newborn babies. Shearer MJ, et al. **Lancet** 1982 Aug 28;2(8296):460–3

Umbilical cord cortisol and arterial pH levels in spontaneous and induced labors. Martinsen K, et al. **Obstet Gynecol** 1982 Feb;59(2):171–5

A study of placental transfer mechanisms in nonhuman primates using [14C]phenylalanine. Pueschel SM, et al. **Obstet Gynecol** 1982 Feb;59(2):182–8

Cord blood survey for haemoglobin Barts. Booth K. **Papua New Guinea Med J** 1981 Dec;24(4):264–6

Mechanism of arginine vasopressin release in the sheep fetus. DeVane GW, et al. **Pediatr Res** 1982 Jun;16(6):504–7

The levels of plasma cholesterol in the human fetus throughout gestation. Johnson HJ Jr, et al. **Pediatr Res** 1982 Aug;16(8):682–3

Opsonic activity of cord serum – an evaluation based on determination of oxygen consumption by leukocytes. Kobayashi Y, et al. **Pediatr Res** 1982 Mar;16(3):243–6

Distribution of glycocholate in blood from human fetuses and adults. Strange RC, et al. **Pediatr Res** 1981 Nov; 15(11):1425–8

Carboxyhemoglobin concentration in fetal cord blood and in blood of mothers who smoked during labor. Bureau MA, et al. **Pediatrics** 1982 Mar;69(3):371–3

Basophil releasability in the newborn: factors limiting immunoglobulin E–mediated histamine release. Mendoza GR, et al. **Pediatrics** 1982 Feb;69(2):188–92

Apolipoproteins in human fetal blood and amniotic fluid in mid–trimester pregnancy. Fainaru M, et al. **Prenatal Diagn** 1981 Apr;1(2):125–9

Isoelectric focusing of human hemoglobins. Beuzard Y, et al. **Prog Clin Biol Res** 1981;60:177–95

Changes in fetal and maternal blood at the end of pregnancy and during parturition in the pig. Randall GC. **Res Vet Sci** 1982 May;32(3):278–82

Within–day variations in the composition of maternal and fetal plasma from catheterised ewes fed once daily or at hourly intervals during late pregnancy. Slater JS, et al. **Res Vet Sci** 1981 Sep;31(2):224–30

IgA and IgM antibodies against Mycobacterium leprae in cord sera and in patients with leprosy: an indicator of intrauterine infection in leprosy. Melsom R, et al. **Scand J Immunol** 1981 Oct;14(4):343–52

Temporal trends in the lead concentrations of umbilical cord blood. Rabinowitz MB, et al. **Science** 1982 Jun 25; 216(4553):1429–31

[The use of competitive protein binding assay method for determining the amount of thyroxine (T4) in umbilical blood (author's transl)] Chen HZ. **Chung Hua Fu Chan Ko Tsa Chih** 1982 Apr;17(2):108–9 **(Chi)**

[Effects of HBeAg on vertical transmission of hepatitis B virus (author's transl)] Yu HL. **Chung Hua I Hsueh Tsa Chih** 1981 Jul;61(7):399–401 (Eng. Abstr.) **(Chi)**

[Electrophoresis studies of the pre–natal status of serum lipoproteins of various species] Schlag B, et al. **Acta Biol Med Ger** 1982;41(2–3):179–85 (Eng. Abstr.) **(Ger)**

[Microscopic detection of lipids in placenta and umbilical cord blood (author's transl)] Krause P, et al. **Zentralbl Gynakol** 1982;104(4):206–12 (Eng. Abstr.) **(Ger)**

[Excessive weight increase in pregnancy and the fetal serum lipid level] Bartelli PV, et al. **Minerva Ginecol** 1982 Apr; 34(4):215–20 (Eng. Abstr.) **(Ita)**

[Coproporphyrin and free protoporphyrin in the erythrocytes of pregnant women and erythrocytes in the umbilical arteries and vein] Gnafakis N, et al. **Minerva Ginecol** 1982 Apr;34(4):211–4 (Eng. Abstr.) **(Ita)**

[The lipid pattern of the newborn infant at birth in relation to the anamnestic–metabolic parameters of the parents] Wierdis T, et al. **Minerva Ginecol** 1981 Nov;33(11):1007–15 (21 ref.) **(Ita)**

[Autochthonous anti–A/B allohemagglutinins in umbilical cord blood] Mencarini L, et al. **Minerva Pediatr** 1982 Feb 15;34(3):83–5 **(Ita)**

[Concentrations of thyroxine, triiodothyronine, reverse T3, thyrotropin and thyroglobulin in umbilical–cord and maternal blood] Roti E, et al. **Minerva Pediatr** 1981 Sep 15;33(17):843–6 (Eng. Abstr.) **(Ita)**

[The role and secretion of prolactin in the human fetus and neonate (author's transl)] Fukaya T, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1981 Oct; 33(10):1639–45 (Eng. Abstr.) **(Jpn)**

[Secretion and Sex differences in cord serum growth hormone levels of the human fetus (author's transl)] Fukaya T, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1982 Apr; 34(4):491–6 (Eng. Abstr.) **(Jpn)**

[Sex differences in correlation coefficient among the cord serum levels of LH–hCG, beta–hCG, FSH, estradiol cortisol and testosterone (author's transl)] Furuhashi N, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1981 Nov; 33(11):1905–9 (Eng. Abstr.) **(Jpn)**

[Plasma ACTH, beta–lipotropin and beta–endorphin in the human fetus and their mother during delivery (author's trans)] Furuhashi N, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1982 Apr; 34(4):478–82 (Eng. Abstr.) **(Jpn)**

[A study of 16 alpha OH–DHA and 16 alpha OH–pregnenolone in feto–placental unit (author's transl)] Gothoda Y, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1982 Mar;34(3):325–34 (Eng. Abstr.) **(Jpn)**

[Studies on the intercompartmental relationship of PRL secretion during human pregnancy––maternal, fetal, and amniotic fluid PRL––(author's transl)] Taga M. **Nippon Sanka Fujinka Gakkai Zasshi** 1982 Jun;34(6):709–18 (Eng. Abstr.) **(Jpn)**

[Relationship between electrolyte balance and the function of the renin– angiotensin–aldosterone system in fetuses and neonates (author's transl)] Yamaguchi N. **Nippon Sanka Fujinka Gakkai Zasshi** 1981 Dec; 33(12):2153–62 (Eng. Abstr.) **(Jpn)**

[The fetomaternal relationship of the endogenous secretin (author's transl)] Takizawa T. **Nippon Shokakibyo Gakkai Zasshi** 1981 Oct;78(10):1929–35 (Eng. Abstr.) **(Jpn)**

[Renin activity and plasma aldosterone levels in ulnar and uterine veins and in cord blood in normal pregnancy and pregnancy toxemias] Cekański A, et al. **Ginekol Pol** 1981 Jan;52(1):15–20 (Eng. Abstr.) **(Pol)**

[Alpha fetoprotein behavior in pregnancy and labor. II. Comparative evaluation of alpha fetoprotein in the peripheral blood of parturients, in the umbilical blood of fetuses and in the amniotic fluid] Chomański M, et al. **Ginekol Pol** 1982 Jan–Feb;53(1–2):23–8 (Eng. Abstr.) **(Pol)**

[Conversion of thyroxine to triiodothyronine and reverse triiodothyronine in parturients and newborn infants] Pisarek–Miedzińska D, et al. **Ginekol Pol** 1981 Sep; 52(9):787–91 (Eng. Abstr.) **(Pol)**

[Aggregation properties of erythrocytes in the umbilical cord blood of normal and asphyxiated newborn infants] Gordienko VM. **Akush Ginekol (Mosk)** 1982 Jan;(1):19–21 (Eng. Abstr.) **(Rus)**

[Study of serum copper and ceruloplasmin in the newborn (author's transl)] García–Báez M, et al. **An Esp Pediatr** 1981 Dec;15(6):544–8 (Eng. Abstr.) **(Spa)**

[Cholesterol content and distribution in cord blood plasma (author's transl)] Sevilla Alcaine MC, et al. **An Esp Pediatr** 1981 Apr;14(4):233–8 (Eng. Abstr.) **(Spa)**

CYTOLOGY

Alpha–naphthyl acetate esterase activity in human adult and cord blood rosette forming cells. Lassila O, et al. **Acta Pathol Microbiol Immunol Scand [C]** 1982 Jun; 90(3):155–8

Synthesis of the minor fetal hemoglobin Fic in colonies of erythropoietic precursors isolated from human umbilical cord blood. Abraham EC, et al. **Am J Hematol** 1982 May; 12(3):207–13

Studies of circulating hemopoietic progenitor cells in human fetal blood. Linch DC, et al. **Blood** 1982 May;59(5):976–9

Long–term suspension cultures of human cord blood myeloid cells. Salahuddin SZ, et al. **Blood** 1981 Nov;58(5):931–8

A relationship between cord blood and maternal blood lymphocytes and term placenta in the induction of aryl hydrocarbon hydroxylase activity. Pelkonen O, et al. **Cancer Lett** 1981 Jul;13(2):103–10

Tests to detect and quantitate fetomaternal bleeding. Scott JR, et al. **Clin Obstet Gynecol** 1982 Jun;25(2):277–82

Predominance of macrophage–colony formation in human cord blood. Ijima H, et al. **Exp Hematol** 1982 Feb; 10(2):234–40

Characterization of hemopoietic stem cells (CFUc) in cord blood. Ueno Y, et al. **Exp Hematol** 1981 Aug;9(7):716–22

Transformation of normal human cord lymphocytes by co–cultivation with a lethally irradiated human T–cell line carrying type C virus particles. Miyoshi I, et al. **Gan** 1981 Dec;72(6):997–8

Chemotactic responses of various differentiational stages of neutrophils from human cord and adult blood. Boner A, et al. **Infect Immun** 1982 Mar;35(3):921–8

Tuberculin purified protein derivative–reactive T cells in cord blood lymphocytes. Shiratsuchi H, et al. **Infect Immun** 1981 Sep;33(3):651–7

Syncytium formation in aged umbilical cord blood macrophages. Attempts to demonstrate an infectious etiology. zur Hausen H, et al. **Med Microbiol Immunol (Berl)** 1982;170(4):229–40

[The response of neutrophils to endotoxin stimulation using the NBT test in cord blood of newborn infants] Sariaslan M, et al. **Pediatrie** 1981 Jun;36(4):271–6 (Eng. Abstr.) **(Fre)**

[Granulocytic progenitor cells (CFU–c) and colony stimulating factor–producing cells in human cord blood (author's transl)] Uchida S. **Nippon Ketsueki Gakkai Zasshi** 1981 Sep;44(5):1007–13 (Eng. Abstr.) **(Jpn)**

DRUG EFFECTS

Anticoagulation of autologous cord blood for neonatal resuscitation. Golden SM, et al. **Am J Obstet Gynecol** 1982 Sep 1;144(1):103–4

Effect of betamethasone on fetal macrophage function: depression of adherence of immunoglobulin–coated red blood cells. Caudle MR, et al. **Am J Reprod Immunol** 1981 Aug;1(4):182–4

[The influence of oxygen and bicarbonate administration to the parturient on maternal and fetal blood gases and acid base balance (author's transl)] Neumark J, et al. **Z Geburtshife Perinatol** 1981 Aug;185(4):216–9 (Eng. Abstr.) **(Ger)**

ENZYMOLOGY

Changes in lysosomal hydrolases from cord blood of vigorous and asphyxiated Nigerian newborn infants. Omene JA, et al. **Afr J Med Med Sci** 1980 Sep–Dec;9(3–4):81–3

Erythrocyte enzymes in sheep: comparison of activity in fetal, newborn, maternal and nonpregnant ewe erythrocytes. Noble NA, et al. **Biol Neonate** 1982;41(3–4):161–71

Normal activities of glycolytic enzymes in the fetal erythrocytes. Lestas AN, et al. **Br J Haematol** 1982 Mar; 50(3):439–44

Creatine kinase isoenzymes in serum from cord blood and the blood of healthy full–term infants during the first three postnatal days. Jedeikin R, et al. **Clin Chem** 1982 Feb; 28(2):317–22

Gel electrophoresis of maternal and fetal serum cholinesterases from normal pregnancies and of those affected by neural tube defects. Cole KJ, et al. **Clin Chim Acta** 1982 Feb 26;119(1–2):1–6

Activity of creatine kinase in sera from healthy women, carriers of Duchenne muscular dystrophy and cord blood, determined by the 'European' recommended method with NAC–EDTA activation. Moss DW, et al. **Clin Chim Acta** 1981 Oct 26;116(2):209–16

alpha–D–Galactosyl transferase levels in pregnant women and newborn infants of blood group B. Sathe MS, et al. **Indian J Med Res** 1981 Aug;74:261–5

Fetal plasma carbonic anhydrase III in Duchenne dystrophy [letter] Carter ND, et al. **Lancet** 1982 Jan 2;1(8262):39–40

Adult and fetal galactokinases in human red blood cells. Magnani M, et al. **Mech Ageing Dev** 1982 Mar;18(3):215–23

The possibility of prenatal diagnosis by gene dosage: confirmation of duplication 10q24 to qter from GOT–1 activity in fetal erythrocytes. Dallapiccola B, et al. **Prenatal Diagn** 1981 Jul;1(3):209–15

[Lysozyme activity in the amniotic fluid, maternal venous blood and cord blood in normal labor and labor complicated by fetal anoxia] Zalewski J. **Ginekol Pol** 1981 Jan;52(1):39–43 (Eng. Abstr.) **(Pol)**

IMMUNOLOGY

Immunoreactive trypsin, chymotrypsin, and pancreatic secretory trypsin inhibitor in cord blood from infants with cystic fibrosis. Borgström A, et al. **Acta Paediatr Scand** 1981 Sep;70(5):619–21

Lymphocytes bearing single or double surface immunoglobulins in umbilical cord blood. García Rodríguez MC, et al. **Allergol Immunopathol (Madr)** 1981 Mar–Apr;9(2):113–8

Decreased cord blood IgM and IgA in trisomy 21. Cederqvist LL, et al. **Am J Reprod Immunol** 1981;1(2):62–4

Fetal and maternal red cell immune adherence **(RCIA)** receptors. Siegel I, et al. **Am J Reprod Immunol** 1981; 1(2):88–91

Autologous mixes lymphocyte reaction in human cord blood lymphocytes: decreased generation of helper and cytotoxic T–cell functions and increased proliferative response and induction of suppressor T cells. Palacios R, et al. **Cell Immunol** 1982 Jan 1;66(1):88–98

Suppression of natural cell–mediated cytotoxicity in man by maternal and neonatal serum. Barrett DS, et al. **Clin Exp Immunol** 1982 Mar;47(3):742–8

Immune complexes in cord serum: influence of sex, gestational age, and Rh– blood group––possible predictive value of high levels for early postnatal infections. Farber CM, et al. **Clin Exp Immunol** 1981 May;44(2):426–32

Spontaneous suppressor cells for mitogen responsiveness of cord blood lymphocytes. Paganelli R. **Clin Immunol Immunopathol** 1981 Dec;21(3):295–300

Automated screening of antenatal samples using a low ionic strength polybrene system. Powell SB, et al. **Clin Lab Haematol** 1981;3(4):343–50

Chemical and immunological characterization of developmentally expressed chicken erythroid surface membrane antigens. Kline K, et al. **Dev Biol** 1982 Jun; 91(2):389–96

Plaque–forming cells in human cord blood: a soluble factor suppressing differentiation but not proliferation of B cells. Ahmad R, et al. **Int Arch Allergy Appl Immunol** 1982; 69(2):132–6

Retrovirus p30–related antigen in human syncytiotrophoblasts and IgG antibodies in cord–blood sera. Suni J, et al. **Int J Cancer** 1981 Nov 15;28(5):559–66

Characterization of the suppressor cell activity in human cord blood lymphocytes. Rodriguez MA, et al. **J Clin Invest** 1981 Dec;68(6):1577–85

Regulation of B cell differentiation by T cell subsets defined with monoclonal OKT4 and OKT8 antibodies in human cord blood. Yachie A, et al. **J Immunol** 1981 Oct; 127(4):1314–7

Cellular and antibody response to respiratory syncytial **(RS)** virus in human colostrum, maternal blood, and cord blood. Scott R, et al. **J Med Virol** 1981;8(1):55–66

Heterogeneity of factor VIII–related antigen in newborn cord blood. Fukui H, et al. **Nippon Ketsueki Gakkai Zasshi** 1981 Jul;44(4):921–8

IgG antinuclear antibody dynamics between mothers and fetuses (study mainly in terms of IgG antinuclear antibody in puerperal stage). Suzuki H. **Nippon Sanka Fujinka Gakkai Zasshi** 1982 Mar; 34(3):378–87

Reduced concanavalin A capping of neonatal polymorphonuclear leukocytes (PMNs). Kimura GM, et al. **Pediatr Res** 1981 Sep;15(9):1271–3

Umbilical–cord–blood–derived suppressor cells of the human natural killer cell activity are inhibited by interferon. Tarkkanen J, et al. **Scand J Immunol** 1982 Feb;15(2):149–57

The Lud cold agglutinin: a further antibody recognizing N–acetylneuraminic acid–determined antigens not fully expressed at birth. Roelcke D. **Vox Sang** 1981 Nov–Dec; 41(5–6):316–8

[Determinations of immunoglobulin from the blood of the umbilical vein after pathological course of pregnancy and in foetal growth retardation (author's transl)] Schmidt W, et al. **Z Geburtshilfe Perinatol** 1981 Oct;185(5):268–72 (Eng. Abstr.) **(Ger)**

[Rubella epidemic in Piemonte in 1977: assay of specific antibodies in the umbilical cord blood and clinical follow-up (author's transl)] Gandolfo Caramello MT, et al. **Ann Sclavo** 1980 Nov–Dec;22(6):1012–8 (Eng. Abstr.) **(Ita)**

[Rubella epidemic of 1977 in Turin. Virological studies] Giuliani G, et al. **Ann Sclavo** 1980 Nov–Dec;22(6):1019–26 (72 ref.) (Eng. Abstr.) **(Ita)**

[Rubella epidemic of 1977: sero-epidemiological study of the maternal and neonatal population made in Turin at the Maria Vittoria Hospital in the period July 1977–April 1978] Moiraghi-Ruggenini A, et al. **Ann Sclavo** 1980 Nov–Dec; 22(6):995–1011 (Eng. Abstr.) **(Ita)**

[Immunoglobulin levels in newborn infants from diabetic mothers] Vasil'eva ZF, et al. **Akush Ginekol (Mosk)** 1982 Jan;(1):24–5 (Eng. Abstr.) **(Rus)**

[Determination of immunoglobulin M in 129 normal neonates in Santiago [author's transl] Lorca J, et al. **Rev Chil Pediatr** 1981 May–Jun;52(3):224–6 (Eng. Abstr.) **(Spa)**

METABOLISM

Seasonal changes in perinatal vitamin D metabolism: maternal and cord blood biochemistry in normal pregnancies. Verity CM, et al. **Arch Dis Child** 1981 Dec;56(12):943–8

Polyamine degradation in foetal and adult bovine serum. Gahl WA, et al. **Biochem J** 1982 Mar 15;202(3):603–11

Rat embryonic and foetal erythrocytes. High 2,3-bisphosphoglycerate and ATP and low oxygen affinity in vitro for nucleated embryonic cells. Gilman JG. **Biochem J** 1980 Oct 15;192(1):355–9

Foetal and maternal rates of glucose production and utilization in chronically catheterized ditocous ewes. Hodgson JC, et al. **Biochem J** 1981 Apr 15;196(1):179–86

Foetomaternal relationships of serum bile acid pattern estimated by high-pressure liquid chromatography. Itoh S, et al. **Biochem J** 1982 Apr 15;204(1):141–5

Oxytocin concentrations during the neonatal period. Leake RD, et al. **Biol Neonate** 1981;39(3–4):127–31

Plasma catecholamine responses to hypoxemia in fetal lambs. Lewis AB, et al. **Biol Neonate** 1982;41(3–4):115–22

Parathyrin and calcium homeostasis in the fetus. Wadsworth JC, et al. **Biol Neonate** 1982;41(3–4):101–9

Blood glucose of mother and fetus late pregnancy of rats with glycogen storage disorder. Watts C, et al. **Biol Neonate** 1982;41(3–4):204–8

Levels of serum protease inhibitors during fetal and postnatal development of the pig. Weström BR, et al. **Biol Neonate** 1982;41(1–2):22–31

Blood and tissue levels of lipoperoxides in rats during development. Yoshioka T, et al. **Biol Neonate** 1982; 41(3–4):155–60

Changes in serum FSH concentrations in the pig during development. Colenbrander B, et al. **Biol Reprod** 1982 Feb; 26(1):105–9

The effects of cold exposure of pregnant sheep on foetal plasma nutrients, hormones and birth weight. Thompson GE, et al. **Br J Nutr** 1982 Jul;48(1):59–64

Time trend analysis of plasma unconjugated and sulfoconjugated estrone and 3 beta-delta 5-steroids in fetal and maternal sheep plasma in relation to spontaneous parturition at term. Nathanielsz PW, et al. **Endocrinology** 1982 Apr;110(4):1402–7

Plasma 17-OH-progesterone in fullterm and preterm infants at birth and during the early neonatal period. Godó B, et al. **Horm Res** 1981;15(2):65–71

Circulating LH, FSH, prolactin, testosterone, delta 4-androstenedione, dehydroepiandrosterone sulfate and cortisol levels in the fetus in late gestation and in newborn male and female lambs. Savoie S, et al. **Horm Res** 1981; 15(2):122–32

Umbilical venous-arterial differences of plasma amino acids in humans at midpregnancy. Hayashi S, et al. **Int J Biol Res Pregnancy** 1981;2(2):77–9

Bilirubin adsorption in vitro by foetal and adult human erythrocytes. Gioia IA, et al. **J Clin Chem Clin Biochem** 1981 Jun;19(6):371–4

Somatomedin peptide distribution and somatomedin-binding protein content in cord plasma: comparison to normal and hypopituitary plasma. Borsi L, et al. **J Clin Endocrinol Metab** 1982 Feb;54(2):223–8

Serum thyroglobulin levels: the physiological decrease in infancy and the absence in athyroidism. Ket JL, et al. **J Clin Endocrinol Metab** 1981 Dec;53(6):1301–3

The role of cell age in the difference in insulin binding between adult and cord erythrocytes. Polychronakos C, et al. **J Clin Endocrinol Metab** 1982 Aug;55(2):290–4

Fetal and material ovine placental lactogen during hyperglycaemia, hypoglycaemia and fasting. Brinsmead MW, et al. **J Endocrinol** 1981 Sep;90(3):337–43

Glucocorticoid activity in cord serum: comparison of hydrocortisone and betamethasone regimens. Ballard PL, et al. **J Pediatr** 1982 Sep;101(3):468–70

The metabolism of the isolated artificially perfused guinea pig placenta. II. Difference of excretion of hydrogen ions, ammonia, carbon dioxide and lactate into maternal and fetal veins. Carstensen MH, et al. **J Perinat Med** 1982; 10(3):154–60

Nucleoside translocation in sheep reticulocytes and fetal erythrocytes: a proposed model for the nucleoside transporter. Jarvis SM, et al. **J Physiol (Lond)** 1982 Mar; 324:47–66

Superoxide generation by human fetal granulocytes. Newburger PE. **Pediatr Res** 1982 May;16(5):373–6

Development of chemotactic factor inactivation – a fetal lamb model. Tannous R, et al. **Pediatr Res** 1982 Jul; 16(7):538–42

Albumin reserve for binding of bilirubin in maternal and cord serum under treatment with sulphasalazine. Järnerot G, et al. **Scand J Gastroenterol** 1981;16(8):1049–55

Studies of caffeine and theophylline in the neonate. Soyka LF, et al. **Semin Perinatol** 1981 Oct;5(4):332–6

[Transcutaneous measurement of the oxygen saturation of fetal blood (TcpO2): advantages and disadvantages of the method] Khadzhiev A. **Akush Ginekol (Sofiia)** 1982; 21(1):79–88 (19 ref.) (Eng. Abstr.) **(Bul)**

[Effect of delivery time on the indicators of acid–base equilibrium of fetal blood after cesarean section] Sternadel J, et al. **Ginekol Pol** 1981 Oct;52(10):921–32 (Eng. Abstr.) **(Pol)**

PHYSIOLOGY

Fetal blood velocity waveforms in uncomplicated labour. Stuart B, et al. **Br J Obstet Gynaecol** 1981 Sep;88(9):865–9

Purified mouse Schwann cells: mitogenic effects of fetal calf serum and fibroblast growth factor. Krikorian D, et al. **Dev Neurosci** 1982;5(1):77–91

Utilization of fetal scalp pH and direct fetal electrocardiogram in the intrapartum management of congenital complete heart block in an adolescent primigravida. Katz AR, et al. **J Adolesc Health Care** 1980 Dec;1(2):152–4

Ultrasonic measurement of human fetal blood flow. Eik-Nes SH, et al. **J Biomed Eng** 1982 Jan;4(1):28–36

Differential hemolysis test in the fetal- and adult-type human erythrocytes. Takeda T, et al. **Nippon Ketsueki Gakkai Zasshi** 1981 Jul;44(4):828–32

FETAL CIRCULATION, PERSISTENT see **PERSISTENT FETAL CIRCULATION SYNDROME**

FETAL DEATH

Perinatal mortality related to nonstress and contraction stress tests [letter] Kadar N. **Am J Obstet Gynecol** 1982 Apr 1; 142(7):931

Consumptive coagulopathy following fetal death in a triplet pregnancy. Skelly H, et al. **Am J Obstet Gynecol** 1982 Mar 1;142(5):595–6

The forgotten grief: a review of the psychology of stillbirth. Kirkley-Best E, et al. **Am J Orthopsychiatry** 1982 Jul; 52(3):420–9

The incidence and the outcome of retained second twin in Benin City. Omu AE, et al. **Asia Oceania J Obstet Gynaecol** 1982 Mar;8(1):65–71

Foetotoxicity of cadmium in Quackenbush strain mice and the effects of the metal on uterine alkaline phosphatase during pseudopregnancy. Murdoch RN, et al. **Aust J Biol Sci** 1981;34(3):305–12

Decapitation and vaginal delivery for impacted transverse lie in late labour: reports of 4 cases. Marsden DE, et al. **Aust NZ J Obstet Gynaecol** 1982 Feb;22(1):46–9

Cytogenetic studies in recurrent fetal loss. Mulcahy MT. **Aust NZ J Obstet Gynaecol** 1982 Feb;22(1):29–30

For discussion: standard national perinatal data: a suggested minimum data set. Brown I, et al. **Community Med** 1981 Nov;3(4):298–306

Fetal loss, gravidity and pregnancy order: is the truncated cascade analysis valid? Golding J, et al. **Early Hum Dev** 1982 Jan;6(1):71–6

Induction of abortion by intra-amniotic administration of prostaglandin F2 alpha in patients with intrauterine fetal death and missed abortion. Antsaklis A, et al. **Int Surg** 1979 Aug–Oct;64(5):41–3

Is perinatal mortality improving? Clinch J. **Ir Med J** 1981 Dec;74(12):350

Death loss, fetal wastage and completed family size. Ballweg JA. **J Biosoc Sci** 1982 Jul;14(3):309–18

The right to maintain an action for the death of an unborn baby: statutory interpretation, judicial policy-making, and a Georgia solution. Berg RN. **J Med Assoc Ga** 1981 Oct; 70(10):743–5

Inquiries into perinatal deaths [editorial] **Lancet** 1982 Feb 27;1(8270):487–8

Confidential inquiry into perinatal deaths in the Mersey region. Mersey Region Working Party on Perinatal Mortality. **Lancet** 1982 Feb 27;1(8270):491–4

Definitions of late fetal death and live birth [letter] Foster F. **NZ Med J** 1982 Apr 28;95(706):284

Uterine prostaglandin concentrations following fetal death in sheep. Evans CA, et al. **Prostaglandins** 1982 Mar; 23(3):337–46

Intramuscular and extra-amniotic 15-(S)-15-methyl-prostaglandin F2 alpha in intra-uterine death. Tsalacopoulos G, et al. **S Afr Med J** 1982 May 29; 61(22):825–8

Perinatal mortality risk factors (Cuban perinatal survey. 1973). Texidó CS. **Sante Publique (Bucur)** 1982;25(1):45–50

Perinatal challenge: dealing with death. Dahl ND. **Wis Med J** 1981 Jul;80(7):22–3

[Perinatal mortality in late gestosis and cholestatic hepatosis of pregnancy (author's transl)] Fuchs V, et al. **Cesk Gynekol** 1981 Dec;46(10):745–8 (Eng. Abstr.) **(Cze)**

[Intrauterine foetal death of the one twin after polyhydramnios and spontaneous birth of the second surviving twin after a longer lapse (author's transl)] Schmeer G, et al. **Geburtshilfe Fraunheilkd** 1981 Nov; 41(11):809–10 (Eng. Abstr.) **(Ger)**

[Type III shortrib-polydactyly syndrome (Verma-Naumoff) in concomitance with ectodermal dysplasia (author's transl)] Habeck JO, et al. **Zentralbl Gynakol** 1982; 104(9):568–75 (Eng. Abstr.) **(Ger)**

[Induction of labor by a prostaglandin analog substitute in cases of intrauterine fetal death] Herczeg J. **Orv Hetil** 1982 May 2;123(18):1107–8 **(Hun)**

BLOOD

'Lupus' anticoagulant and inhibition of prostacyclin formation in patients with repeated abortion, intrauterine growth retardation and intrauterine death. Carreras LO, et al. **Br J Obstet Gynaecol** 1981 Sep;88(9):890–4

Fetal death in utero: effect on estrone, estradiol-17 beta and progesterone levels in the ewe. Abrams RM, et al. **Gynecol Obstet Invest** 1982;13(3):177–83

Fetal loss and maternal glucose intolerance. A retrospective study. Sutherland HW, et al. **Padiatr Padol** 1982; 17(2):279–86

CHEMICALLY INDUCED

Studies of foetal death and foetal weight in guinea pigs fed polychlorinated biphenyls (PCB). Brunström B, et al. **Acta Pharmacol Toxicol (Copenh)** 1982 Feb;50(2):100–3

Interference of mycotoxins with prenatal development of the mouse. I. Influence of aflatoxin B1, ochratoxin A and zearalenone. Arora RG, et al. **Acta Vet Scand** 1981; 22(3–4):524–34

Albendazole : a comparison of relay embryotoxicity with embryotoxicity of individual metabolites. Delatour P, et al. **Ann Rech Vet** 1981;12(2):159–67

Placental transfer of narcotic analgesics in man. Cravey RH, et al. **Clin Toxicol** 1981 Aug;18(8):911–4

Drug metabolism and fetal toxicity: changes in fetal toxicity of aminopyrine by variation of drug metabolizing enzyme activity in mice. Saito H, et al. **Res Commun Chem Pathol Pharmacol** 1981 Oct;34(1):141–4

Indicators of developmental toxicity following prenatal administration of hormonally active compounds in the rat. I. Gestational length. Rands PL, et al. **Teratology** 1982 Feb; 25(1):37–43

The teratogenic effects of dietary Cassava on the pregnant albino rat: a preliminary report. Singh JD. **Teratology** 1981 Dec;24(3):289–91

Intrapartum fetal death associated with propranolol; case report and review of physiology. Buechler AA, et al. **Wis Med J** 1982 May;81(5):23–5

[A study on the pathogenic change and cause of death of fetus in middle pregnancy terminated with alcoholic extract of Yuanhua (author's transl)] He ZF. **Chung Hua Fu Chan Ko Tsa Chih** 1982 Apr;17(2):116–8 **(Chi)**

[Effect of vulcanizing accelerants on embryolethality in rats] Aleksandrov SE. **Biull Eksp Biol Med** 1982 Jan;93(1):87–8 (Eng. Abstr.) **(Rus)**

[Basis for the maximum permissible concentration of tetrachlorobutadiene in work areas] Gizhlarian MS, et al. **Gig Tr Prof Zabol** 1982 Feb;(2):53–4 **(Rus)**

COMPLICATIONS

[Cirrhosis of the liver associated with duodenal ulcer and uterine fibroma with fetal death] Zemskov VS, et al. **Khirurgiia (Mosk)** 1982 Jan;(1):103–4 **(Rus)**

DIAGNOSIS

Real-time ultrasonography for the differential diagnosis of intrapartum fetal death. Hutson JM, et al. **Am J Obstet Gynecol** 1982 Apr 15;142(8):1057–9

Haemoglobin AIc predicts the perinatal outcome in insulin-dependent diabetic pregnancies. Ylinen K, et al. **Br J Obstet Gynaecol** 1981 Oct;88(10):961–7

Detection of fetal wastage. Rolfe BE. **Fertil Steril** 1982 May; 37(5):655–60

Cephalic index: its possible use as a predictor of impending fetal demise. Foró KB, et al. **Radiology** 1982 May; 143(2):517–8

An early sign of fetal demise. Ultrasonic demonstration of clotted blood within the fetal heart. McLeary RD. **Radiology** 1982 Mar;142(3):712

[Cerebral lesion in surviving twins (author's transl)] Choulot JJ, et al. **Arch Fr Pediatr** 1982 Feb;39(2):105–7 (Eng. Abstr.) **(Fre)**

[Comparison of clinical vs. real time ultrasonic diagnosis of intrauterine fetal death] Gellén J, et al. **Orv Hetil** 1981 Aug 23;122(34):2085–6 **(Hun)**

[A case of twin pregnancy complicated by a papyraceous fetus, diagnosed by ultrasonography] Di Pietto L, et al. **Arch Ostet Ginecol** 1980 Jul–Aug;85(4):281–7 **(Ita)**

[Real-time echographic diagnosis of fetal death] Panariello S, et al. **Arch Ostet Ginecol** 1980 Jul–Aug;85(4):253–7 **(Ita)**

[Cardiotocography and intrauterine fetal death] Balbi F, et al. **Minerva Ginecol** 1981 Jul–Aug;33(7–8):725–36 **(Ita)**

[Relation between abnormal cardiotocographic patterns and fetal death] Di Lieto A, et al. **Minerva Ginecol** 1980 Dec; 32(12):1125–30 **(Ita)**

ENZYMOLOGY

Maternal serum diamine oxidase in fetal death and low-birth-weight infants. Gahl WA, et al. **Br J Obstet Gynaecol** 1982 Mar;89(3):202–7

ETIOLOGY

Pregnancy abnormalities among personnel at a virological laboratory. Axelsson G, et al. **Am J Industr Med** 1980; 1(2):129–37

Intrauterine fetal death during cervical ripening with laminaria. Agress RL, et al. **Am J Obstet Gynecol** 1981 Nov 1;141(5):586–8

Fetal outcome in hypertensive disorders of pregnancy. Lin CC, et al. **Am J Obstet Gynecol** 1982 Feb 1;142(3):255–60

Reproductive outcome following amniocentesis for genetic indications. Porreco RP, et al. **Am J Obstet Gynecol** 1982 Jul 15;143(6):653–60

Induced abortion and spontaneous fetal loss in subsequent pregnancies. Chung CS, et al. **Am J Public Health** 1982 Jun;72(6):548–54

Umbilical-cord torsion, thrombosis, and intrauterine death of a twin fetus [letter] Colgan TJ, et al. **Arch Pathol Lab Med** 1982 Feb;106(2):101

Monoamniotic twin pregnancy complicated by massive fetal-maternal haemorrhage. Verco CJ, et al. **Aust NZ J Obstet Gynaecol** 1981 Aug;21(3):186–7

Foetal mortality in moderately zinc-deficient rats is strictly related to the process of parturition: effect of maternal essential fatty acid supplementation. Cunnane SC. **Br J Nutr** 1982 May;47(3):495–504

Cervical ripening [letter] Stewart P, et al. **Br J Obstet Gynaecol** 1981 Oct;88(10):1071–2

Influence of late-pregnancy toxemia on the fetus. Wang YF, et al. **Chin Med J [Engl]** 1981 Oct;94(10):639–44

Maternal renal disease: effect on the fetus. MacCarthy EP, et al. **Clin Perinatol** 1981 Jun;8(2):307–19

Obstetrical care in future pregnancies after fetal loss in group B streptococcal septicemia. A prevention program based on bacteriological and immunological follow-up. Christensen KK, et al. **Eur J Obstet Gynaecol Reprod Biol** 1981 Sep;12(3):143–50

Mechanism of foetal wastage following immunoneutralisation of riboflavin carrier protein in the pregnant rat. Murty CV, et al. **FEBS Lett** 1981 Dec 7;135(2):281–4

Embryotoxicity of broadband high-frequency noise in the CD-1 mouse. Nawrot PS, et al. **J Toxicol Environ Health** 1981 Jul–Aug;8(1–2):151–7

Ovarian dysgerminoma with nonviable pregnancy: report of case. Nowak ML. **JAOA** 1982 Jun;81(10):721–4

A case report of placental infarction. Sato D, et al. **Kurume Med J** 1981;28(2):137–40

Hazards of prostaglandin pessaries in postmaturity [letter] Beck I, et al. **Lancet** 1982 Jul 17;2(8290):161

Reproductive failure. A survey of pathogenic mechanisms with emphasis on mechanisms for repeated failures. Kissane JM. **Monogr Pathol** 1981;(22):369–81

The physician as a risk factor in midtrimester amniocentesis [letter] Hecht F. **N Engl J Med** 1982 Jun 24;306(25):1553

Infection as a predominant cause of perinatal mortality. Christensen KK. **Obstet Gynecol** 1982 Apr;59(4):499–508

Risk of amniocentesis and laboratory findings in a series of 1500 prenatal diagnoses. Verjaal M, et al. **Prenatal Diagn** 1981 Jul;1(3):173–81

Causes of fetal and neonatal mortality in a South African black community. Ross SM, et al. **S Afr Med J** 1982 Jun 12;61(24):905–8

The dynamics of perinatal mortality. Maternal age, parity and legitimacy. Edouard L. **Scand J Soc Med** 1981; 9(2):59–61

Placental findings in spontaneous abortions and stillbirths. Ornoy A, et al. **Teratology** 1981 Dec;24(3):243–52

The position effect of embryos in trisomy-1-producing mice. von Domarus H, et al. **Teratology** 1981 Dec;24(3):315–9

Causes of perinatal mortality in a community hospital: report of a prospective study, 1975 to 1978. Sehgal NN. **W Va Med J** 1981 Nov;76(11):291–4

[Fetal death and benign hemolytic disease of the newborn from anti-Cellano alloimmunization: 2 new case reports] Rigal D, et al. **Rev Fr Transfus Immunohematol** 1982 Feb; 25(1):101–4 (Eng. Abstr.) **(Fre)**

[Epidemiological study of EPH (edema – proteinuria – hypertension) gestosis 1970–1978. II. Perinatal results] Di Martino D, et al. **Arch Ostet Ginecol** 1981 Jan–Apr; 86(1–2):29–46 (Eng. Abstr.) **(Ita)**

[Fundamental study on factors of perinatal mortality-particularly fetal death (author's transl)] Nagasue N. **Igaku Kenkyu** 1980 Apr;50(3):255–68 (Eng. Abstr.) **(Jpn)**

FAMILIAL & GENETIC

Hygroma cervicis in a 46XY-male stillborn baby. Berant M, et al. **Am J Clin Pathol** 1981 Sep;76(3):342–4

The hydrolethalus syndrome: delineation of a 'new', lethal malformation syndrome based on 28 patients. Salonen R, et al. **Clin Genet** 1981 May;19(5):321–30

IMMUNOLOGY

Fetal death due to extreme maternal Rh immune augmentation [letter] Stern K. **Transfusion** 1982 May–Jun; 22(3):257–8

METABOLISM

Total cholesterol level in human placenta. Narahari S, et al. **Hum Hered** 1981;31(5):276–8

Regulation of extraadrenal steroid 21-hydroxylase activity. Increased conversion of plasma progesterone to deoxycorticosterone during estrogen treatment of women pregnant with a dead fetus. MacDonald PC, et al. **J Clin Invest** 1982 Feb;69(2):469–78

Brain lipids of a still-born 28-week-old fetus from a pregnant woman with severe hydramnion. Kunishita T, et al. **Jpn J Exp Med** 1981 Jun;51(3):157–64

OCCURRENCE

A review of perinatal mortality in Colorado, 1971 to 1978, and its relationship to the regionalization of perinatal services. Bowes WA Jr. **Am J Obstet Gynecol** 1981 Dec 15;141(8):1045–52

A prospective multi-institutional study of antepartum fetal heart rate monitoring. I. Risk of perinatal mortality and morbidity according to antepartum fetal heart rate test results. Freeman RK, et al. **Am J Obstet Gynecol** 1982 Aug 1;143(7):771–7

A note on the influence of factors early in development on later reproductive function. Liestøl K. **Ann Hum Biol** 1981 Nov–Dec;8(6):559–65

The fetus in hypertension. Chamberlain G. **Br J Hosp Med** 1981 Aug;26(2):127–8, 132–3

Perinatal mortality-incidence and effect of various maternal factors, Part I. Puri RK, et al. **Indian J Pediatr** 1981 May–Jun;48(392):297–304

Perinatal and infant mortality in Ireland and selected countries: variations in underlying factors. Kirke P. **Ir Med J** 1981 Aug;74(8):221–5

Perinatal and infant mortality in Ireland and selected countries: present levels and secular trends. Kirke P, et al. **Ir Med J** 1981 Aug;74(8):216–220

Perinatal mortality 1980. Stronge JM. **Ir Med J** 1981 Oct; 74(10):313–4

Perinatal mortality [letter] Walters RO, et al. **J R Army Med Corps** 1981 Oct;127(3):154–5

Fetal and infant mortality in Norway and the United States. Erickson JD, et al. **JAMA** 1982 Feb 19;247(7):987–91

Prematurity and perinatal mortality in pregnancies complicated by maternal Chlamydia trachomatis infections. Martin DH, et al. **JAMA** 1982 Mar 19;247(11):1585–8

Fetal and infant mortality [letter] Rosa FW. **JAMA** 1982 Oct 1;248(13):1578–9

Confusing correlates of chlamydial infection [editorial] Wiesner PJ, et al. **JAMA** 1982 Mar 19;247(11):1606–7

Perinatal mortality and social class in the West Midlands. Garratt FN, et al. **Lancet** 1981 Dec 19–26; 2(8260–61):1414–5

Quality of antenatal care and pregnancy outcome. Gibson GT, et al. **Med J Aust** 1982 Mar 20;1(6):277–9

Decline in perinatal mortality [letter] **N Engl J Med** 1982 Jul 1;307(1):62–4

Identifying the sources of the recent decline in perinatal mortality rates in California. Williams RL, et al. **N Engl J Med** 1982 Jan 28;306(4):207–14

A comparison of Pacific Islander and European stillbirths. Gunn TR, et al. **NZ Med J** 1981 Oct 28;94(694):294–7

Fetal growth and perinatal viability in California. Williams RL, et al. **Obstet Gynecol** 1982 May;59(5):624–32

Lack of teratogenic effects of air at high ambient pressure in rats. Bolton ME, et al. **Teratology** 1981 Oct;24(2):181–5

Reproductive wastage and developmental disorders in relation to consanguinity in south India. Asha Bai PV, et al. **Trop Geogr Med** 1981 Sep;33(3):275–80

Is there a change in West Virginia fetal mortality? Parkinson R. **W Va Med J** 1981 Aug;77(8):195–7

Trends in perinatal mortality. Foster FH. **World Health Stat Q** 1981;34(3):138–46 **(Eng, Fre)**

[Trends in perinatal mortality at the Perinatology Institute in Praha-Podoli over the past 30 years. I. Prenatal mortality] Poláček K. **Cesk Gynekol** 1981 Aug;46(7):547–51 **(Cze)**

[Distribution of stillbirth and infant mortality among infants of unwed mothers] Szabó R, et al. **Orv Hetil** 1981 Jun 14;122(24):1457–60 **(Hun)**

[Mortality and morbidity of the neonate in the 5-year period 1976–1980 in the Palermo Obstetric Clinic B] Gullotti A, et al. **Boll Soc Ital Biol Sper** 1981 Oct 30;57(20):2043–6 **(Ita)**

[New principles concerning breech presentation and their influence upon perinatal mortality (author's transl)] Poradovský K, et al. **Cesk Gynekol** 1981 Apr;46(3):163–9 (Eng. Abstr.) **(Slo)**

[Fetal death, computerized statistical analysis] Morales A, et al. **Rev Chil Obstet Ginecol** 1980;45(1):1–12 (Eng. Abstr.) **(Spa)**

PATHOLOGY

Problems with perinatal pathology [letter] Rushton DI. **Br Med J [Clin Res]** 1982 Apr 24;284(6324):1265

The distribution of fetal mortality in ageing C57BL/6J mice: a statistical analysis. Gosden RG, et al. **Exp Gerontol** 1981; 16(2):127–30

Human triploidy: association with partial hydatidiform moles and nonmolar conceptuses. Szulman AE, et al. **Hum Pathol** 1981 Nov;12(11):1016–21

[Death in utero of a fetus in multiple pregnancies (author's transl)] Granet P, et al. **J Gynecol Obstet Biol Reprod (Paris)** 1981;10(4):359–64 (Eng. Abstr.) **(Fre)**

[Fetal death from acute ethanol poisoning] Kuznetsov LE. **Sud Med Ekspert** 1981 Jul–Aug;24(3):56–7 **(Rus)**

PHYSIOPATHOLOGY

An ominous undulating fetal heart rate pattern. Ginsburg DS, et al. **Acta Obstet Gynecol Scand** 1982;61(1):39–42

Fetal heart rate accelerations and late decelerations during the course of intrauterine death in chronically catheterized rhesus monkeys. Murata Y, et al. **Am J Obstet Gynecol** 1982 Sep 15;144(2):218–23

[Coagulation properties of the after birth tissues and amniotic fluid in the case of a dead fetus] Rotkina IE, et al. **Akush Ginekol (Mosk)** 1981 Nov;(11):12–4 (Eng. Abstr.) **(Rus)**

PREVENTION & CONTROL

The nonstress test: an evaluation of 1,000 patients. Barrett JM, et al. **Am J Obstet Gynecol** 1981 Sep 15;141(2):153–7

The future of fetal heart rate monitoring. Miller FC. **J Perinat Med** 1981;9(4):178–83

Antepartum fetal surveillance in the 1980's. Petrie RH. **J Perinat Med** 1981;9(4):162–4

Glucose screening during pregnancy helps reduce fetal mortality and morbidity. Jensen E, et al. **Mich Med** 1982 Jun;81(29):332

Anticoagulant therapy in the prevention of placental infarction and perinatal death. Moe N. **Obstet Gynecol** 1982 Apr;59(4):481–3

[Results of conservative and surgical treatment for placenta praevia (author's transl)] Sadauskas WM, et al. **Zentralbl Gynakol** 1982;104(2):129–33 (Eng. Abstr.) **(Ger)**

RADIOGRAPHY

The value of radiography in perinatal deaths. Cremin BJ, et al. **Pediatr Radiol** 1981;11(3):143–6

VETERINARY

Fetal infection with porcine parvovirus in herds with reproductive failure. Sørensen KJ, et al. **Acta Vet Scand** 1981;22(2):162–70

Pathological effects of pine needle ingestion in pregnant mice. Neff TE, et al. **Cornell Vet** 1982 Apr;72(2):128–36

Gametic products transmitted by rcp(13q−;14q+) translocation heterozygous pigs, and resulting embryonic loss. King WA, et al. **Hereditas** 1981;95(2):239–46

Fertilization rate and early embryonic loss in Brahman crossbred heifers. Smith MF, et al. **J Anim Sci** 1982 May; 54(5):1005–11

[Modification of embryonal mortality in swine by the administration of sexual agents in early pregnancy] Elze K, et al. **Arch Exp Veterinarmed** 1981;35(6):937–44 (Eng. Abstr.) **(Ger)**

[Fetal death in gilts and embryonic and fetal growth] Lutter K, et al. **Arch Exp Veterinarmed** 1981;35(5):687–95 (Eng. Abstr.) **(Ger)**

FETAL DISEASES

see related

ABNORMALITIES

The fetus and the newborn. Annual review of birth defects, 1980. **Birth Defects** 1981;17(1):1–273

Perinatal diseases. **Monogr Pathol** 1981;(22):1–425

Perinatal echovirus infection [letter] **N Engl J Med** 1981 Dec 17;305(25):1529–30

Abortion for fetal abnormalities [letter] McArthur JE. **NZ Med J** 1981 Dec 23;94(698):473

Arterial hypoxemia and hyperinsulinemia in the chronically hyperglycemic fetal lamb. Philips AF, et al. **Pediatr Res** 1982 Aug;16(8):653–8

[Voluminous sacro-coccygeal teratoma in a fetus in the 7th month of pregnancy] Adinolfi G, et al. **Arch Ostet Ginecol** 1980 Jul–Aug;85(4):339–50 **(Ita)**

[The macrosomatic fetus] Allocca G, et al. **Arch Ostet Ginecol** 1980 Jul–Aug;85(4):241–51 **(Ita)**

[Prenatal infection with herpes virus] Rolando D, et al. **Pediatria (Napoli)** 1981 Dec 31;89(4):761–73 (64 ref.) **(Ita)**

BLOOD

Pregnancy-specific beta 1-glycoprotein as a screening test for at-risk pregnancies. Chapman MG, et al. **Am J Obstet Gynecol** 1981 Nov 1;141(5):499–502

Cyclic 3',5'-adenosine monophosphate in umbilical cord blood of the newborn infant: relation to fetal stress and plasma catecholamines. Bistoletti P, et al. **Biol Neonate** 1981;40(3–4):145–9

Blood coagulation changes after hypoxemia: a fetal lamb model. Kisker CT, et al. **Pediatr Res** 1982 Jan;16(1):8–12

CHEMICALLY INDUCED

Risks of drugs to the fetus and the neonate. Sahu S. **Am Fam Physician** 1981 Oct;24(4):147–9
Fetal ovarian dysplasia possibly associated with clomiphene [letter] Ford WD, et al. **Lancet** 1981 Nov 14;2(8255):1107
Fetal and neonatal hazards of maternal hydration with 5% dextrose before caesarean section. Kenepp NB, et al. **Lancet** 1982 May 22;1(8282):1150–2
Maternal drug exposure and perinatal intracranial hemorrhage [editorial] Soller RW, et al. **Obstet Gynecol** 1981 Dec;58(6):735–40

COMPLICATIONS

Delivery obstructed by sacrococcygeal teratoma. Tanaree P. **Am J Obstet Gynecol** 1982 Jan 15;142(2):239
Association of bovine viral diarrhoea virus infection to hydranencephaly and other central nervous system lesions in perinatal calves [letter] Badman RT, et al. **Aust Vet J** 1981 Jun;57(6):306–7
Perinatal infections and maldevelopment. Stagno S, et al. **Birth Defects** 1981;17(1):31–50
Multicystic encephalomalacia due to fetal viral encephalitis. Lyen KR, et al. **Eur J Pediatr** 1981 Sep;137(1):11–6
Dystocia due to distended foetal urinary bladder. Pal SK. **J Indian Med Assoc** 1981 Apr;76(7–8):139–40
Amniotic band syndrome and strabismus. BenEzra D, et al. **J Pediatr Ophthalmol Strabismus** 1982 Jul–Aug;19(4):33–6
Nonimmunologic fetal hydrops wtih theca lutein cysts. Fleming P, et al. **Radiology** 1981 Oct;141(1):169–70
[Intestinal atresia after intrauterine intussusception (author's transl)] Aubert D, et al. **Ann Pediatr (Paris)** 1982 Feb; 29(2):140–1 (Eng. Abstr.) **(Fre)**
[Amniotic band syndrome as a cause of fetal malformations. Steroids not to be regarded as the cause] Hartge R, et al. **Fortschr Med** 1982 May 20;100(19):913–5 (Eng. Abstr.) **(Ger)**
[Fetal myositis and its consequence (author's transl)] Schairer E. **MMW** 1982 Jun 18;124(24):596–8 (Eng. Abstr.) **(Ger)**

DIAGNOSIS

Prenatal diagnosis of skin disorders. Michaëlsson G. **Acta Derm Venereol [Suppl] (Stockh)** 1981;95:64–6
Sonography of polyhydramnios. Alexander ES, et al. **AJR** 1982 Feb;138(2):343–6
Amniotic fluid steroid levels. Fetuses with adrenal hyperplasia, 46,XXY fetuses, and normal fetuses. Carson DJ, et al. **Am J Dis Child** 1982 Mar;136(3):218–22
The in utero diagnosis of an interventricular septal cardiac rhabdomyoma by means of real-time-directed, M-mode echocardiography. DeVore GR, et al. **Am J Obstet Gynecol** 1982 Aug 15;143(8):967–9
The development of fetal acidosis in the presence of an abnormal fetal heart rate tracing. I. The average for gestational age fetus. Fleischer A, et al. **Am J Obstet Gynecol** 1982 Sep 1;144(1):55–60
The role of echocardiography in fetal cardiac arrhythmias. Hawrylyshyn PA, et al. **Am J Obstet Gynecol** 1981 Sep 15;141(2):223–5
Diagnosis of fetal skeletal dysplasias with ultrasound. Hobbins JC, et al. **Am J Obstet Gynecol** 1982 Feb 1; 142(3):306–12
Comparison of ultrasound femur length and biparietal diameter in late pregnancy. Hohler CW, et al. **Am J Obstet Gynecol** 1981 Dec 1;141(7):759–62
Diagnosis of severe fetal cytomegalovirus infection from amniotic fluid in the third trimester of pregnancy. Huikeshoven FJ, et al. **Am J Obstet Gynecol** 1982 Apr 15;142(8):1053–4
Activity patterns in malformed fetuses. Rayburn WF, et al. **Am J Obstet Gynecol** 1982 Apr 15;142(8):1045–8
Prenatal diagnosis--a compilation of diagnosed conditions. Stephenson SR, et al. **Am J Obstet Gynecol** 1981 Oct 1; 141(3):319–43
The prognosis of the possible foetal and placental complications during delivery by measuring maternal serum levels of pregnancy-specific beta-1-glycoprotein (SP1). Karg NJ, et al. **Arch Gynecol** 1981;231(1):69–73
Is placental function testing worthwhile? An update on placental lactogen. Grudzinskas JG, et al. **Aust NZ J Obstet Gynaecol** 1981 May;21(2):103–5
Antenatal diagnosis of homozygous beta thalassaemia in Mediterraneans in Australia. Smith MB, et al. **Aust NZ J Obstet Gynaecol** 1981 Nov;21(4):203–6
Pre- and postnatal diagnosis of the hemoglobinopathies. Alter BP. **Birth Defects** 1981;17(1):181–99
Identification of congenital cardiac malformations by echocardiography in midtrimester fetus. Allan LD, et al. **Br Heart J** 1981 Oct;46(4):358–62
Predictive value of, and observer variability in, several ways of reporting antepartum cardiotocographs. Flynn AM, et al. **Br J Obstet Gynaecol** 1982 Jun;89(6):434–40
A randomized controlled trial of non-stress antepartum cardiotocography. Flynn AM, et al. **Br J Obstet Gynaecol** 1982 Jun;89(6):427–33
Categorization of terminal fetal heart-rate patterns in antepartum cardiotocography. Langer O, et al. **Br J Obstet Gynaecol** 1982 Mar;89(3):179–85
Fetal habituation in high-risk pregnancies. Leader LR, et al. **Br J Obstet Gynaecol** 1982 Jun;89(6):441–6
Trophoblast sampling in early pregnancy. Culture of rapidly dividing cells from immature placental villi. Niazi M, et al. **Br J Obstet Gynaecol** 1981 Nov;88(11):1081–5
M-mode and pulsed Doppler ultrasound assessment of severe fetal bradycardia. A case report. Wladimiroff JW, et al. **Br J Obstet Gynaecol** 1981 Dec;88(12):1246–8
Ultrasound diagnosis of hydrops fetalis due to fetal tachycardia. Shirley IM, et al. **Br J Radiol** 1981 Sep; 54(645):815–7
Errors with rubella diagnostic serology [letter] Weber JM. **Can Med Assoc J** 1982 Apr 15;126(8):901
Ultrasonographic evaluation of normal fetal anatomy and congenital malformations. Yiu-Chiu V, et al. **CT** 1981 Nov; 5(5):367–510
Ultrasonic detection of bilateral ovarian cysts in the fetus. Jouppila P, et al. **Eur J Obstet Gynecol Reprod Biol** 1982 Mar;13(2):87–92
Clinical features of pregnancies with fatal fetal abnormality. Kirkinen P, et al. **Int J Gynaecol Obstet** 1981 Oct; 19(5):367–74
Utilization of fetal scalp pH and direct fetal electrocardiogram in the intrapartum management of congenital complete heart block in an adolescent primigravida. Katz AR, et al. **J Adolesc Health Care** 1980 Dec;1(2):152–4
Prenatal diagnosis and management of omphalocele and ectopia cordis. Harrison MR, et al. **J Pediatr Surg** 1982 Feb;17(1):64–6
A contribution to the monitoring of fetal arrhythmias. Boos R, et al. **J Perinat Med** 1982;10(2):85–92
Interval index: a measure of fetal heart rate accelerations. Kariniemi V, et al. **J Perinat Med** 1981;9(5):248–50
Fetal tumor: antenatal diagnosis and its implications. Semchyshyn S, et al. **J Reprod Med** 1982 Apr;27(4):231–4
Ultrasonic demonstration in utero of an intracranial teratoma. Crade M. **JAMA** 1982 Feb 26;247(8):1173
Amniocentesis in the prenatal diagnosis of fetal abnormalities. Barrows JJ. **JAOA** 1982 Jun;81(10):708–18
In utero diagnosis of the Dandy-Walker syndrome: differentiation from extra-axial posterior fossa cyst. Dempsey PJ, et al. **JCU** 1981 Sep;9(7):403–5
Ultrasound-directed paracentesis of massive fetal ascites. Johnson TR Jr, et al. **JCU** 1982 Mar;10(3):140–2
Prenatal diagnosis of fetal abdominal masses by real-time ultrasound. Mitsutake K, et al. **Kurume Med J** 1981; 28(4):329–34
Randomised trial of fetal movement counting [letter] Grant A, et al. **Lancet** 1982 Aug 28;2(8296):501
Prenatal diagnosis of severe combined immunodeficiency [letter] Linch D, et al. **Lancet** 1982 May 15;1(8281):1130
Fetal echocardiography for evaluation of in utero congestive heart failure. Kleinman CS, et al. **N Engl J Med** 1982 Mar 11;306(10):568–75
Ultrasonic diagnosis of prune-belly syndrome. Christopher CR, et al. **Obstet Gynecol** 1982 Mar;59(3):391–4
Antenatal fetal heart rate testing in high-risk pregnancies. Löfgren O. **Obstet Gynecol** 1981 Oct;58(4):438–43
Intrauterine diagnosis and management of fetal polycystic kidney disease. Shenker L, et al. **Obstet Gynecol** 1982 Mar; 59(3):385–9
Prenatal sonographic diagnosis of cephalohematcma due to pre-labor trauma. Grylack L. **Pediatr Radiol** 1982; 12(3):145–7
Antenatal diagnosis of defects of ureagenesis. Goodman SI. **Pediatrics** 1981 Sep;68(3):446–7
Normal fetal cardiac anatomy--a basis for the echocardiographic detection of abnormalities. Allan LD, et al. **Prenatal Diagn** 1981 Apr;1(2):131–9
Ultrasonic detection of an abnormal mass in a fetus later shown to have trisomy 18. Heller RH, et al. **Prenatal Diagn** 1981 Jul;1(3):223–6
The synaptic membrane D2-protein in amniotic fluid from pregnancies with fetal neural tube defects. Jørgensen OS, et al. **Prenatal Diagn** 1981 Jan;1(1):3–6
Ultrasound demonstration of masses in a 15 week fetus: hydrops in a fetus with umbilical cord occlusion. Shenker L, et al. **Prenatal Diagn** 1981 Jul;1(3):217–21
Fetal anomalies involving the thorax and abdomen. Knochel JQ, et al. **Radiol Clin North Am** 1982 Jun;20(2):297–310 (63 ref.)
Fetal swallowing and regurgitation: observation of normal and abnormal activity. Bowie JD, et al. **Radiology** 1982 Sep;144(4):877–8
Hydrops fetalis: sonographic evaluation and clinical implications. Fleischer AC, et al. **Radiology** 1981 Oct; 141(1):163–8
The varied sonographic appearance of the urinary tract in the fetus and newborn with urethral obstruction. Glazer GM, et al. **Radiology** 1982 Aug;144(3):563–8
Infantile polycystic kidney disease: in utero sonographic diagnosis. Habif DV Jr, et al. **Radiology** 1982 Feb; 142(2):475–7
Sonographic diagnosis of cerebroventricular hemorrhage in utero. Kim MS, et al. **Radiology** 1982 Feb;142(2):479–80
Use of an alphanumeric programmable calculator for obstetrical ultrasound. McGoodwin MC. **Radiology** 1982 Sep;144(4):935
Ultrasonic diagnosis of a fetal cardiac malformation. A case report. Milner S, et al. **S Afr Med J** 1982 Jul 17;62(3):105–6
Ultrasonic demonstration in utero of surgically correctable fetal small-bowel obstruction. Osler GE, et al. **S Afr Med J** 1982 Jul 17;62(3):83–6
[Detection of umbilical coils around the fetal neck by Doppler's ultrasound technic (report of 112 cases) (author's transl)] Qian ZL. **Chung Hua Fu Chan Ko Tsa Chih** 1982 Jan;17(1):31 **(Chi)**
[Diagnosis of the fetus at risk in pregnancy. Abstracts] **Cesk Gynekol** 1981 Aug;46(7):552–81 **(Cze)**
[Use of cardiotocography in studying irregular pregnancy] Křikal Z, et al. **Cesk Gynekol** 1982 Mar;47(2):136 **(Cze)**
[Estriol in the hypertrophic fetus] Vašek J, et al. **Cesk Gynekol** 1982 Jun;47(5):370 **(Cze)**
[Hygroma colli demonstrated by ultrasonic scanning] Skovbo P, et al. **Ugeskr Laeger** 1981 Oct 5;143(41):2653–4 (Eng. Abstr.) **(Dan)**
[Prenatal diagnosis of abdominal wall malformations (letter)] Halal F. **J Genet Hum** 1981 Dec;29(4):463–6 **(Fre)**
[Intra-uterine diagnosis of a central nervous system abnormality (author's transl)] Henrion R, et al. **J Gynecol Obstet Biol Reprod (Paris)** 1982;11(2):267–70 (Eng. Abstr.) **(Fre)**
[Prenatal diagnosis of fetal malformations of the central nervous system using echography] Tran-Ngoc T. **Rev Med Suisse Romande** 1981 May;101(5):351–4 **(Fre)**
[Prenatal diagnosis of a coccygeal teratoma with hypertrophy of the placenta (author's transl)] Feige A, et al. **Geburtshilfe Frauenheilkd** 1982 Jan;42(1):20–4 (Eng. Abstr.) **(Ger)**
[Ultrasonic screening in pregnancy—caution against exaggerated demands] Hansmann M. **Geburtshilfe Frauenheilkd** 1981 Oct;41(10):725–8 **(Ger)**
[Problems of intra-uterine infections (author's transl)] Wilken H. **Zentralbl Gynakol** 1981;103(13):721–31 (Eng. Abstr.) **(Ger)**
[Antenatal diagnosis of fetal intestinal obstruction by ultrasonography] Mogilner BM, et al. **Harefuah** 1981 Sep; 101(5–6):117–9 (Eng. Abstr.) **(Heb)**
[Prenatal ultrasonic diagnosis of a fetal abdominal cyst] Thurzó L, et al. **Orv Hetil** 1981 Jun 14;122(24):1461–2 **(Hun)**
[Amniotic creatinine levels as a function of maternal and fetal pathology] Plotti G, et al. **Ann Ostet Ginecol Med Perinat** 1981 Nov–Dec; 102(6):441–5 (Eng. Abstr.) **(Ita)**
[Relation between the biparietal diameter ad abdominal diameter as a method of evaluation of the intrauterine state of the fetus] Allocca G, et al. **Arch Ostet Ginecol** 1980 Sep–Oct;85(5):463–73 **(Ita)**
[Echocardiographic visualization of the cardiac and vascular structures of the living human fetus] De Luca I, et al. **G Ital Cardiol** 1982;11(11):1646–56 (Eng. Abstr.) **(Ita)**
[Relation between abnormal cardiotocographic patterns and fetal death] Di Lieto A, et al. **Minerva Ginecol** 1980 Dec; 32(12):1125–30 **(Ita)**
[Ultrasonic detection of fetuses large for gestational age and subsequent surveillance in utero] Di Meglio A, et al. **Minerva Ginecol** 1980 Dec;32(12):1101–4 **(Ita)**
[A case of megalocystis and megalourcter diagnosed during gestation by means of ultrasonography] Di Meglio A, et al. **Minerva Ginecol** 1981 Oct;33(10):973–6 (Eng. Abstr.) **(Ita)**
[Fetal ultrasonic cardiography in real time] Grassi G. **Minerva Ginecol** 1981 Oct;33(10):965–72 **(Ita)**
[Particular significance of a cardiotocographic pattern: sinusoidal rhythm] Iannello F, et al. **Minerva Ginecol** 1980 Dec;32(12):1085–8 **(Ita)**
[Possibility of the prenatal diagnosis of phenylketonuria] Annenkov GA, et al. **Akush Ginekol (Mosk)** 1981 Nov; (11):25–7 (Eng. Abstr.) **(Rus)**
[Fetoscopy potentials in the prenatal diagnosis of fetal developmental defects and hereditary diseases] Bakharev VA, et al. **Akush Ginekol (Mosk)** 1981 Jun;(6):43–5 (Eng. Abstr.) **(Rus)**
[Accuracy of the diagnosis of umbilical cord pathology as measured by the amplitude of fetal phonocardiogram] Demidov VN, et al. **Akush Ginekol (Mosk)** 1982 Jan; (1):12–4 (Eng. Abstr.) **(Rus)**
[Endocrinological criteria in evaluation of the state of the fetus] Travianko TD, et al. **Akush Ginekol (Mosk)** 1982 Jan;(1):56–8 **(Rus)**
[Intrauterine uveitis and its differential diagnosis] Khvatova AV, et al. **Vestn Oftalmol** 1982 Jan–Feb;(1):48–50 (Eng. Abstr.) **(Rus)**
[Cystine aminopeptidase (oxytocinase) in physiological and pathological pregnancy and its value in establishing prognosis of the fetus at risk (author's transl)] Simko J. **Bratisl Lek Listy** 1981 Dec;76(6):649–55 (Eng. Abstr.) **(Slo)**
[Importance of examining the sediment of amniotic fluid for diagnosis of threatened foetus during risk gravidity (author's transl)] Simko J. **Cesk Gynekol** 1982 Apr; 47(3):163–8 (Eng. Abstr.) **(Slo)**
[Prenatal diagnosis of fetal malformations by maternal echography] Blanco A, et al. **Rev Chil Pediatr** 1981 Jul–Aug;52(4):347–52 (Eng. Abstr.) **(Spa)**
[Prenatal diagnosis of fetal malformations using maternal echography] Blanco A, et al. **Rev Chil Pediatr** 1981 Jul–Aug;52(4):347–52 (Eng. Abstr.) **(Spa)**

DRUG THERAPY

Treatment of ovine cretinism in utero with 3,5-dimethyl-3'-isopropyl-L-thyronine. Bachrach LK, et al. **Endocrinology** 1982 Jul;111(1):132–5
Prenatal treatment of thyrotoxicosis to prevent intrauterine growth retardation. Check JH, et al. **Obstet Gynecol** 1982 Jul;60(1):122–4

Prenatal administration of biotin in biotin responsive multiple carboxylase deficiency. Roth KS, et al. **Pediatr Res** 1982 Feb;16(2):126–9

[Use of digoxin in pregnancy. Dose–concentration, volume of distribution and elimination half-life [letter] Camsonne R, et al. **Nouv Presse Med** 1982 Jul 3;11(31):2359 **(Fre)**

ETIOLOGY

Fetal intrapartum arrhythmias. Miller GW Jr. **Am Fam Physician** 1982 Mar;25(3):137–8

Neuropathology in the chronic fetal lamb preparation: structure–function correlates under different environmental conditions. Clapp JF 3d, et al. **Am J Obstet Gynecol** 1981 Dec 15;141(8):973–86

A connective tissue membrane in the right atrium (Chiari's network) as a cause of fetal cardiac arrhythmia. Clements J, et al. **Am J Obstet Gynecol** 1982 Mar 15;142(6 Pt 1):709–12

Follow-up of a survivor of intrauterine lightning exposure. Flannery DB, et al. **Am J Obstet Gynecol** 1982 Jan 15; 142(2):238–9

Cystic meconium peritonitis associated with hydrops fetalis. Mayock DE, et al. **Am J Obstet Gynecol** 1982 Mar 15;142(6 Pt 1):704–5

Fetal head deformation and congenital torticollis associated with a uterine tumor. Romero R, et al. **Am J Obstet Gynecol** 1981 Dec 1;141(7):839–40

Supraventricular tachycardia with edema, ascites, and hydrops in fetal sheep. Stevens DC, et al. **Am J Obstet Gynecol** 1982 Feb 1;142(3):316–22

Disorders of calcium homeostasis in the fetus and neonate. Wills MR, et al. **Ann Clin Lab Sci** 1982 Mar–Apr; 12(2):79–88 (32 ref.)

Ferret foetal infection with influenza virus at early gestation. Collie MH, et al. **Br J Exp Pathol** 1982 Jun;63(3):299–304

Fetal ascites and congenital heart disease [editorial] Feeney JG. **Br Med J [Clin Res]** 1981 Oct 10;283(6297):934–5

Maternal renal disease: effect on the fetus. MacCarthy EP, et al. **Clin Perinatol** 1981 Jun;8(2):307–19

Decreased fetal activity and fetal heart rate changes after amniocentesis complicated by fetal hemorrhage. Sadovsky E, et al. **Int J Gynaecol Obstet** 1981 Oct;19(5):395–7

Outcome of asymptomatic infection with rubella virus during pregnancy. Cradock-Watson JE, et al. **J Hyg (Lond)** 1981 Oct;87(2):147–54

Hypertrophic cardiomyopathy in a midtrimester fetus born to a diabetic mother. Leslie J, et al. **J Pediatr** 1982 Apr; 100(4):631–2

Macrosomia: causes and consequences. Stevenson DK, et al. **J Pediatr** 1982 Apr;100(4):515–20

Infections of the fetus and newborn infant. Gershon A. **J Perinat Med** 1981;9(4):204–6

Diabetic halo. A reversible ultrasonic sign. Kassam SH, et al. **J Reprod Med** 1981 Nov;26(11):588–92

Nonimmunologic hydrops fetalis: a review of 61 cases. Hutchison AA, et al. **Obstet Gynecol** 1982 Mar;59(3):347–52

Fetomaternal bleeding following diagnostic amniocentesis. Lele AS, et al. **Obstet Gynecol** 1982 Jul;60(1):60–4

Fetal–neonatal involvement in maternal autoimmune disease. Levy DL. **Obstet Gynecol Surv** 1982 Feb;37(2):122–7

Erythropoietin elevation in the chronically hyperglycemic fetal lamb. Philipps AF, et al. **Proc Soc Exp Biol Med** 1982 May;170(1):42–7

Behavioural sequelae of fetal iodine deficiency. Connolly KJ, et al. **Prog Clin Biol Res** 1981;77:383–91

Amniotic bands. A case report. Saunders RN. **S Afr Med J** 1981 Oct 24;60(17):672–4

Late spontaneous abortion associated with Mycoplasma hominis infection of the fetus. Christensen KK, et al. **Scand J Infect Dis** 1982;14(1):73–4

Diabetes in pregnancy: a rat model for the study of fetal complications. Eriksson U. **Ups J Med Sci** 1981; 86(2):207–12

[Feto-maternal transfusion with severe fetal anaemia. A case report (author's transl)] Neeb U. **Geburtshilfe Fraunheilkd** 1982 Mar;42(3):213–4 (Eng. Abstr.) **(Ger)**

[Hypotensive disorders during pregnancy as a cause of fetal hazard (author's transl)] Künzel W. **Z Geburtshife Perinatol** 1981 Oct;185(5):249–53 (Eng. Abstr.) **(Ger)**

[Premature rupture of the fetal membranes and intrauterine infection] Vincellér M, et al. **Orv Hetil** 1981 Jun 21; 122(25):1499–502 **(Hun)**

[Personal observations and lymphographic aspects of a particular case of ossified lymphedema secondary to constriction by the umbilical cord] Accarpio G, et al. **Arch E Maragliano Patol Clin** 1978;34(2):229–30 **(Ita)**

[Incidence of possible diabetic conditions in pregnant women: effects on the fetus] Gullotti A, et al. **Boll Soc Ital Biol Sper** 1981 Oct 15;57(19):1946–9 (Eng. Abstr.) **(Ita)**

[Monitoring and treatment of diabetic fetopathy] Calvani M, et al. **Recenti Prog Med** 1982 Mar;72(3):350–70 (137 ref.) (Eng. Abstr.) **(Ita)**

[The congenital syndrome caused by rubella] El Moussa J, et al. **Recenti Prog Med** 1982 Mar;72(3):330–49 (52 ref.) (Eng. Abstr.) **(Ita)**

[Effect of infective agents the earlier developmental period] Rudkowski Z. **Przegl Epidemiol** 1981;35(3):303–8 **(Pol)**

[Various problems of viral hepatitis in the developmental age] Taraszkiewicz F. **Przegl Epidemiol** 1981;35(3):351–8 **(Pol)**

FAMILIAL & GENETIC

Brief clinical report: not all cystic hygromas occur in the Ullrich–Turner syndrome. Cowchock FS, et al. **Am J Med Genet** 1982 Jul;12(3):327–31

IMMUNOLOGY

Prenatal serological diagnosis of intrauterine cytomegalovirus infection. Lange I, et al. **Br Med J [Clin Res]** 1982 Jun 5;284(6330):1673–4

Immunological sequelae of intrauterine infection. McMurray DN, et al. **Clin Exp Immunol** 1981 May;44(2):389–95

Antibody–mediated perinatal diseases. Schanfield MS. **Clin Lab Med** 1981 Jun;1(2):239–63 (91 ref.)

[IgM antibodies against cytomegalovirus in pregnancy and incidence of intrauterine infections in pregnant women with positive IgM antibody reaction (author's transl)] Gärtner L, et al. **Z Geburtshife Perinatol** 1981 Oct;185(5):273–5 (Eng. Abstr.) **(Ger)**

[The IgM rapid test in the diagnosis of intrauterine infections] Kisbán G, et al. **Orv Hetil** 1981 Mar 1;122(9):519–21 **(Hun)**

[Effect of staphylococcal anatoxin immunization on the course of experimental intrauterine staphylococcal infection] Silin VA, et al. **Akush Ginekol (Mosk)** 1981 Jun; (6):54–5 **(Rus)**

METABOLISM

The effect of foetal acidosis on bupivacaine levels in utero. Pickering B, et al. **Can Anaesth Soc J** 1981 Nov;28(6):544–9

Alpha–fetoprotein concanavalin A–binding variants in the diagnosis of neural tube defects and other communicating fetal abnormalities. Kelleher PC, et al. **Oncodev Biol Med** 1980;1(4–5):241–9

Primary hyperinsulinemia reduces surface active material flux in tracheal fluid of fetal lambs. Warburton D, et al. **Pediatr Res** 1981 Nov;15(11):1422–4

MICROBIOLOGY

[Role of the cytomegalovirus in the pathology of pregnancy, of the fetus and of newborn infants] Demidova SA, et al. **Sov Med** 1981;(4):120–2 **(Rus)**

OCCURRENCE

The probability of fetal metabolic acidosis during labor in a population at risk as determined by clinical factors. Low JA, et al. **Am J Obstet Gynecol** 1981 Dec 15;141(8):941–51

The fetus in hypertension. Chamberlain G. **Br J Hosp Med** 1981 Aug;26(2):127–8, 132–3

Cluster of uncommon fetal abnormalities [letter] Bennett MJ. **Lancet** 1982 Jun 12;1(8285):1360–1

Intrapartum fetal monitoring in preterm deliveries: prospective study. Westgren M, et al. **Obstet Gynecol** 1982 Jul;60(1):99–106

[Listeria infection in the foetus and the newborn: a critical review (author's transl)] Guala G. **Ann Osp Maria Vittoria Torino** 1981 Jan–Jun; 24(1–6):147–66 **(Ita)**

[Incidence of intrauterine infections caused by respiratory viruses and Myc. pneumoniae and the role of serological studies in their diagnosis] Tsinzerling AV, et al. **Arkh Patol** 1982;44(1):24–9 (Eng. Abstr.) **(Rus)**

[Perinatal heart arrhythmia] Larsson B, et al. **Lakartidningen** 1982 Jan 6;79(1–2):26–9 (Eng. Abstr.) **(Swe)**

PATHOLOGY

Teratomas: concordance in mother and fetus. Rayburn WF, et al. **Am J Obstet Gynecol** 1982 Sep 1;144(1):110–2

Prenatal diagnosis of fetal megabladder and urethral agenesis. Mariona FG, et al. **Diagn Gynecol Obstet** 1981 Fall; 3(3):259–63

A comparative study of placental pathology and fetal outcome. Bhatia A, et al. **Indian J Pathol Microbiol** 1981 Oct;24(4):277–83

Paracephalic acardiac monster with myelomeningocele and Arnold–Chiary malformation. Gopal G. **Indian Pediatr** 1981 Dec;18(12):916–8

Adipose tissue development in the fetal pig after decapitation. Hausman GJ, et al. **J Anim Sci** 1981 Dec;53(6):1634–44

Scanning electron microscopic study of normal human glomerulogenesis and of fetal glomeruli in congenital nephrotic syndrome of the Finnish type. Autio–Harmainen H, et al. **Kidney Int** 1981 Dec;20(6):747–52

Mini–necropsy [editorial] **Lancet** 1981 Nov 7;2(8254):1026–7

Mini–necropsy [letter] Boyd JF. **Lancet** 1981 Nov 28; 2(8257):1235

Neoplasms of the fetus and neonate. Dehner LP. **Monogr Pathol** 1981;(22):286–345 (309 ref.)

Viral infections of the fetus and the neonate. Rosenberg HS, et al. **Monogr Pathol** 1981;(22):133–200 (179 ref.)

Fetal gonorrhea with deep tissue infection occurring in utero. Oppenheimer EH, et al. **Pediatrics** 1982 Jan;69(1):74–6

[Pathological changes in fetal coronary arteries (authors' transl)] Chen TC, et al. **Chung Hua Fu Hsueh Kuan Ping Tsa Chih** 1980 Jun; 8(2):139–41 (Eng. Abstr.) **(Chi)**

PHYSIOPATHOLOGY

Fetal anemia and heart rate patterns. Kariniemi V. **J Perinat Med** 1982;10(3):167–73

[Comparative experimental study of the renal consequences of vesico–ureteric reflux and of ureteric obstruction in the sheep foetus (author's transl)] Vallancien G, et al. **J Urol (Paris)** 1982;88(1):27–30 (Eng. Abstr.) **(Fre)**

PREVENTION & CONTROL

Effect of euglycemia on the outcome of pregnancy in insulin–dependent diabetic women as compared with normal control subjects. Jovanovic L, et al. **Am J Med** 1981 Dec;71(6):921–7

Indices of perinatal care. An epidemiologist's view [editorial] Chapple J. **Br J Obstet Gynaecol** 1982 Jun;89(6):416–7

Intrauterine vitamin D nutrition and postnatal growth in Asian infants. Brooke OG, et al. **Br Med J [Clin Res]** 1981 Oct 17;283(6298):1024

Ambulatory heparin treatment [letter] Henny CP, et al. **Lancet** 1982 Mar 13;1(8272):615

[Rubella embryopathy, still now? (author's transl)] Enders G. **Geburtshilfe Fraunheilkd** 1982 May;42(5):403–13 (Eng. Abstr.) **(Ger)**

[Prevention of perinatal risk. Study of a selected population of infants born in the 3–year period of 1977–79] Cocozza G, et al. **Pediatria (Napoli)** 1981 Sep 30;89(3):365–94 (Eng. Abstr.) **(Ita)**

RADIOGRAPHY

Intrauterine fracture simulating a unilateral clavicular pseudarthrosis. Freedman M, et al. **J Can Assoc Radiol** 1982 Mar;33(1):37–8

Radiology of non–immune hydrops fetalis. Houston CS, et al. **J Can Assoc Radiol** 1982 Jun;33(2):107–9

Foetus in foetu. Prasad KR, et al. **J Indian Med Assoc** 1981 Oct 16;77(8):134–6

The prenatal ultrasonic diagnosis of urethral obstruction and diverticulum of the urinary bladder. Shalev J, et al. **Pediatr Radiol** 1982;12(1):48–50

[Postmortem roentgen–angiography of the fetus and newborn infant] Böhm N, et al. **Pathologe** 1982 Jul;3(4):226–9 **(Ger)**

SURGERY

Repeated transabdominal renocenteses in a case of fetal hydronephrotic kidney. Kirkinen P, et al. **Am J Obstet Gynecol** 1982 Apr 15;142(8):1049–52

Intrauterine treatment of fetal hydronephrosis. Levine AH, et al. **AORN J** 1982 Mar;35(4):655–62

Correction of congenital diaphragmatic hernia in utero. III. Development of a successful surgical technique using abdominoplasty to avoid compromise of umbilical blood flow. Harrison MR, et al. **J Pediatr Surg** 1981 Dec; 16(6):934–42

The ethics of in utero surgery. Barclay WR, et al. **JAMA** 1981 Oct 2;246(14):1551–2, 1554–5

Congenital bilateral chylothorax. Antepartum diagnosis and successful intrauterine surgical management. Petres RE, et al. **JAMA** 1982 Sep 17;248(11):1360–1

Placement of ventriculo–amniotic shunt for hydrocephalus in a fetus [letter] Clewell WH, et al. **N Engl J Med** 1981 Oct 15;305(16):955

A surgical approach to the treatment of fetal hydrocephalus. Clewell WH, et al. **N Engl J Med** 1982 Jun 3;306(22):1320–5

Fetal surgery for congenital hydronephrosis. Harrison MR, et al. **N Engl J Med** 1982 Mar 11;306(10):591–3

[Percutaneous nephrostomy in utero for bilateral foetal hydronephrosis] Dumez Y, et al. **Nouv Presse Med** 1982 May 15;11(23):1787–9 (Eng. Abstr.) **(Fre)**

[Experimental hydrocephalus of the fetus in utero. IV. Ventriculo–amniotic mini–uni–shunt: technical note] Cambria S, et al. **Chir Patol Sper** 1979 Aug;27(4):369–71 (Eng. Abstr.) **(Ita)**

THERAPY

In utero treatment of urinary tract obstruction. Golbus MS, et al. **Am J Obstet Gynecol** 1982 Feb 15;142(4):383–8

Fetal therapy: issues we face. Patterson P. **AORN J** 1982 Mar;35(4):663–8

Anti–C haemolytic disease requiring intrauterine and exchange transfusion. Baker JW, et al. **Med J Aust** 1981 Sep 19;2(6):296

[Fetal malformed uropathy. Antenatal palliative treatment by vesico–amniotic drainage (letter)] Dellenbach P, et al. **Nouv Presse Med** 1982 Apr 10;11(17):1335 **(Fre)**

[Possibility for treating umbilical cord prolapse – case report] Gauwerky J, et al. **Z Geburtshife Perinatol** 1982 Apr–May; 186(2):108–10 **(Ger)**

TRANSMISSION

Management strategies for viral infections of the fetus and newborn. Kaul A. **Indian J Pediatr** 1981 Sep–Oct; 48(394):627–34

Prenatal cytomegalovirus infection: epidemiology, pathology and pathogenesis. Becroft DM. **Perspect Pediatr Pathol** 1981;6:203–41 (193 ref.)

VETERINARY

Failure of swine influenza virus to cause transplacental infection of porcine fetuses. Brown TT Jr, et al. **Am J Vet Res** 1982 May;43(5):817–9

Effects on ovine fetuses of exposure to ovine progressive

pneumonia virus. Cutlip RC, et al. **Am J Vet Res** 1982 Jan;43(1):82–5
Experimental transplacental infection of pregnant dogs with canine herpesvirus. Hashimoto A, et al. **Am J Vet Res** 1982 May;43(5):844–50
Transplacental transmission of rabies virus from a naturally infected skunk. Howard DR. **Am J Vet Res** 1981 Apr; 42(4):691–2
Immunologic responses of the bovine fetus to parvovirus infection. Liggitt HD, et al. **Am J Vet Res** 1982 Aug; 43(8):1355–9
Immunogenicity of bivalent vaccine for reproductive failure of swine induced by pseudorabies virus and porcine parvovirus. Mengeling WL, et al. **Am J Vet Res** 1981 Apr; 42(4):600–3
Border disease: experimental reproduction in sheep, using a virus replicated in tissue culture. Potts BJ, et al. **Am J Vet Res** 1982 Aug;43(8):1464–6
Hydranencephaly associated with feline panleukopenia. Greene CE, et al. **J Am Vet Med Assoc** 1982 Apr 1; 180(7):767–8
The distribution and significance of border disease viral antigen in infected lambs and foetuses. Gardiner AC. **J Comp Pathol** 1980 Oct;90(4):513–8
Akabane disease in cattle: congenital abnormalities caused by viral infection. Spontaneous disease. Konno S, et al. **Vet Pathol** 1982 May;19(3):246–66
Akabane disease in cattle: congenital abnormalities caused by viral infection. Experimental disease. Konno S, et al. **Vet Pathol** 1982 May;19(3):267–79
Bovine leptospirosis: microbiological and serological findings in aborted fetuses. Ellis WA, et al. **Vet Rec** 1982 Feb 13; 110(7):147–50
Nephroblastoma in an ovine foetus. Roperto F, et al. **Zentralbl Veterinarmed [A]** 1981;28(6):504–7
[Growth of bovine fetal cells after intrauterine virus infection of the fetus] Machatková M, et al. **Vet Med (Praha)** 1981 Sep;26(9):525–32 (Eng. Abstr.) **(Cze)**
[Multiplication of the IBR, PI-3 and BVD–MD viruses in cell and organ cultures of bovine fetuses after experimental intrauterine infections] Menšík J, et al. **Vet Med (Praha)** 1981 Dec;26(12):709–19 (Eng. Abstr.) **(Cze)**
[Detection of PI-3 viruses, BVD–MD viruses and parvoviruses in bovine fetuses after experimental intrauterine infections] Menšík J, et al. **Vet Med (Praha)** 1981 Dec;26(12):701–7 (Eng. Abstr.) **(Cze)**
[Transmission of Mycoplasma from the swine dam to fetus] Heitmann J, et al. **Zentralbl Veterinarmed [B]** 1981; 28(5):378–85 (Eng. Abstr.) **(Ger)**

FETAL DISTRESS

BLOOD

Cord blood hypertriglyceridemia in Chinese newborns: an index of fetal distress. Chow SN, et al. **Int J Biol Res Pregnancy** 1982;3(1):33–7

COMPLICATIONS

Beau's lines. A case report. Wolf D, et al. **Cutis** 1982 Feb; 29(2):191–4
Developmental aspects of subacute fetal distress: behaviour problems and neurological dysfunction. Walther FJ, et al. **Early Hum Dev** 1982 Jan;6(1):1–10
[Acute fetal distress and mental retardation. A prospective study (author's transl)] André M, et al. **Arch Fr Pediatr** 1981 Aug–Sep;38(7):525–31 (Eng. Abstr.) **(Fre)**
[Long-term results in newborn infants of correct weight for gestational age with neurological symptoms of acute perinatal suffering] Tornaghi R, et al. **Minerva Pediatr** 1982 Apr 15;34(7):289–94 (Eng. Abstr.) **(Ita)**

DIAGNOSIS

Short-term variability of fetal heart rate in cholestasis of pregnancy. Ammälä P, et al. **Am J Obstet Gynecol** 1981 Sep 15;141(2):217–20
A documented case of amniotic fluid embolism presenting as acute fetal distress. Barrows JJ. **Am J Obstet Gynecol** 1982 Jul 1;143(5):599–600
The nonstress test: how long is enough? Brown R, et al. **Am J Obstet Gynecol** 1981 Nov 15;141(6):646–51
Intrauterine tachypnea—a sign of fetal distress? Duff P, et al. **Am J Obstet Gynecol** 1982 Apr 15;142(8):1054–6
The nonstress test: the false negative test. Phelan JP, et al. **Am J Obstet Gynecol** 1982 Feb 1;142(3):293–6
Intrapartum fetal intensive care: 2-year experience. Kuhn RJ. **Aust NZ J Obstet Gynaecol** 1981 May;21(2):73–6
Sinusoidal fetal heart rate pattern with severe fetal anaemia—case report [letter] Geirsson RT, et al. **Br J Obstet Gynaecol** 1981 Sep;88(9):956–8
Oxytocin-stressed and unstressed cardiotocograms for the prediction of fetal compromise. Homburg R, et al. **Br J Obstet Gynaecol** 1982 Jul;89(7):516–9
Accelerations in 'intra-partum' cardiotocographic record. III. Correlation with meconium staining of amniotic fluid. Stefanoni S, et al. **Clin Exp Obstet Gynecol** 1981;8(1):27–30
Application of heart rate variability analysis of detect foetal distress. Patil N, et al. **Indian J Med Res** 1982 Mar; 75:366–71
Clinical experience in non-stressed antepartum cardiotocography in high-risk pregnancies. Varma TR. **Int J Gynaecol Obstet** 1981 Dec;19(6):433–9
Electronic fetal monitoring [letter] **JAMA** 1982 May 14; 247(18):2499–500
Late meconium passage in labor—a sign of fetal distress? Meis PJ, et al. **Obstet Gynecol** 1982 Mar;59(3):332–5
[The application of amnioscopy and urinary estrogen/creatinine ratio in high-risk pregnancy (author's transl)] Li YR. **Chung Hua Fu Chan Ko Tsa Chih** 1982 Apr;17(2):71–3 **(Chi)**
[The count of active fetal movements. Its value in the diagnosis of chronic fetal distress (author's transl)] Benhamou M, et al. **J Gynecol Obstet Biol Reprod (Paris)** 1981;10(5):449–58 (Eng. Abstr.) **(Fre)**
[Relationship between cardiotocographic monitoring ans SPI-beta-1-glycoprotein] Catalano D, et al. **Arch Ostet Ginecol** 1980 Sep–Oct;85(5):397–404 **(Ita)**
[Alpha 1-fetoprotein as an indicator of fetal maturity, well-being or distress] Innotti G, et al. **Arch Ostet Ginecol** 1980 Sep–Oct;85(5):375–86 **(Ita)**
[Fetal photoplethysmography as a diagnostic parameter for fetal distress in pregnant rabbits (author's transl)] Migita M. **Nippon Sanka Fujinka Gakkai Zasshi** 1982 Jan; 34(1):109–14 (Eng. Abstr.) **(Jpn)**
[Determination of urinary estrogens in the high-risk fetus by a cross sectional study during the week of term pregnancy] Muñoz W, et al. **Rev Chil Obstet Ginecol** 1980; 45(4):187–94 **(Spa)**

DRUG THERAPY

Management of severe fetal bradycardia with ritodrine. Hutchon DJ. **Br J Obstet Gynaecol** 1982 Aug;89(8):671–4

ETIOLOGY

Infant survival with prolonged uterine rupture. Cotton DB. **Am J Obstet Gynecol** 1982 Apr 15;142(8):1059–60
Placental function, fetal distress, and the fetal/placental weight ratio in normal and gestotic pregnancies. Riss P, et al. **Int J Biol Res Pregnancy** 1982;3(1):10–3
Ciguatera and pregnancy [letter] Pearn J, et al. **Med J Aust** 1982 Jan 23;1(2):57–8
[Severe feto-maternal haemorrhage after amniocentesis. Frost L, et al. **Ugeskr Laeger** 1982 Mar 29;144(13):953–4 (Eng. Abstr.) **(Dan)**

METABOLISM

The influence of asphyxia on fetal lidocaine toxicity. O'Brien WF, et al. **Am J Obstet Gynecol** 1982 Jan 15;142(2):205–8

PHYSIOPATHOLOGY

A new modality in nonstress testing: evaluation of beat-to-beat fetal heart rate variability. Lauersen NH, et al. **Am J Obstet Gynecol** 1981 Nov 1;141(5):521–6
Fetal cardiovascular responses to stress. Rudolph AM, et al. **Semin Perinatol** 1981 Apr;5(2):109–21 (53 ref.)

FETAL GLOBULINS

Inhibition of polymorphonuclear leukocyte chemotaxis by alpha-macrofetoprotein, an acute-phase reactant of the rat. van Gool J, et al. **Inflammation** 1982 Jun;6(2):127–35

ANALYSIS

Characterization of a genetically segregating determinant of chicken fetal antigen by a new hapten inhibition of microcytotoxicity (HIM) assay. Lewin HA, et al. **Biochem Genet** 1982 Jun;20(5–6):425–36
Biochemical markers in the plasma and tumors of patients with gynecologic malignancies. van Nagell JR Jr, et al. **Cancer** 1981 Jul 15;48(2 Suppl):495–503 (86 ref.)
Chicken fetal antigen: association with lymphoid development and differentiation. Dietert RR, et al. **J Exp Zool** 1982 Mar 1;220(1):65–70
Progressive growth of transplanted tumors is accompanied by increasing serum concentrations of murine gamma fetal antigen. Higgins PJ, et al. **Oncodev Biol Med** 1981; 2(1–2):77–87
Presence of anti-gamma-FA-reactive antigens in spontaneous and carcinogen-induced malignancies of experimental animals. Higgins PJ, et al. **Oncology** 1981; 38(6):340–5
[Immunochemical identification of ferritin and its immunological analogs beta-fetoprotein and alpha 2H-globulin] Prokopenko PG. **Biull Eksp Biol Med** 1982 Apr;93(4):70–3 (Eng. Abstr.) **(Rus)**

FETAL GROWTH RETARDATION

see related
INFANT, SMALL FOR GESTATIONAL AGE

3-M slender-boned nanism. An intrauterine growth retardation syndrome. Cantú JM, et al. **Am J Dis Child** 1981 Oct;135(10):905–8
Endocrine pancreas in intrauterine growth retardation [letter] Van Assche FA, et al. **Am J Obstet Gynecol** 1981 Sep 15;141(2):233
The relative contribution of prematurity and fetal growth retardation to low birth weight in developing and developed societies. Villar J, et al. **Am J Obstet Gynecol** 1982 Aug 1;143(7):793–8
Antihypertensive treatment and fetal welfare in essential hypertension in pregnancy: a retrospective survey of experience with various regimes at National Women's Hospital, Auckland, 1970–80. Lubbe WF, et al. **NZ Med J** 1982 Jan 13;95(699):1–5
[Possibility of determining SPI by an immunoelectrophoretic method] Dagradi G, et al. **Minerva Ginecol** 1981 Jun; 33(6):517–9 **(Ita)**
[The Ballantyne-Runge syndrome] Karkowski M. **Pediatr Pol** 1982 Jan;57(1):63–5 **(Pol)**

BLOOD

Cyclic 3',5'-adenosine monophosphate in umbilical cord blood of the newborn infant: relation to fetal stress and plasma catecholamines. Bistoletti P, et al. **Biol Neonate** 1981;40(3–4):145–9
'Lupus' anticoagulant and inhibition of prostacyclin formation in patients with repeated abortion, intrauterine growth retardation and intrauterine death. Carreras LO, et al. **Br J Obstet Gynaecol** 1981 Sep;88(9):890–4
Blood viscosity and haemostatic factors in late pregnancy, pre-eclampsia and fetal growth retardation. Thorburn J, et al. **Br J Obstet Gynaecol** 1982 Feb;89(2):117–22
Plasma estrogens in the assessment of fetoplacental function. Kulkarni BD, et al. **Clin Biochem** 1981 Jun;14(3):108–12
Paired measurements of total and unconjugated estriol in maternal plasma during the 2nd and 3rd trimester of pregnancy – their relationship to intrauterine growth retardation. Bacigalupo G, et al. **J Perinat Med** 1982; 10(2):73–84
[Clinical application of 6059-S in the field of obstetrics and gynecology. Effects on gynecological infection and infection of trimester of pregnancy (author's transl)] Hogaki M, et al. **Jpn J Antibiot** 1981 Apr;34(4):618–22 (Eng. Abstr.) **(Jpn)**
[Composition of serum free fatty acid fractions in newborn infants with intrauterine fetal dystrophy syndrome] Jaśkiewicz J, et al. **Pediatr Pol** 1982 Jan;57(1):1–9 (Eng. Abstr.) **(Pol)**
[Qualitative composition of the erythrocytes in newborn infants with fetal growth retardation] Vartanian MM. **Pediatriia** 1981 Nov;(11):22–3 (Eng. Abstr.) **(Rus)**

CHEMICALLY INDUCED

Effects of maternal insulin or glucose infusion on the fetus: study on lung surfactant phospholipids, plasma myoinositol, and fetal growth in the rabbit. Hallman M, et al. **Am J Obstet Gynecol** 1982 Apr 1;142(7):877–82
Effects of aflatoxin on pregnant hamsters and hamster foetuses. Schmidt RE, et al. **J Comp Pathol** 1980 Jul; 90(3):339–47
Critical periods for marihuana-induced intrauterine growth retardation in the rat. Abel EL, et al. **Neurobehav Toxicol Teratol** 1981 Fall;3(3):351–4
Propranolol and fetal growth retardation. Redmond GP. **Semin Perinatol** 1982 Apr;6(2):142–7
The teratogenic effects of dietary Cassava on the pregnant albino rat: a preliminary report. Singh JD. **Teratology** 1981 Dec;24(3):289–91

COMPLICATIONS

Intrauterine growth retardation and development of endocrine pancreas in the experimental rat. De Prins FA, et al. **Biol Neonate** 1982;41(1–2):16–21
Fetal growth delay in threatened abortion: an ultrasound study. Mantoni M, et al. **Br J Obstet Gynaecol** 1982 Jul; 89(7):525–7
Developmental aspects of subacute fetal distress: behaviour problems and neurological dysfunction. Walther FJ, et al. **Early Hum Dev** 1982 Jan;6(1):1–10
Intrauterine growth retardation and its impact on the neurological status of the newborn. Deshpande TV, et al. **Indian J Pediatr** 1981 May–Jun;48(392):305–11
Early growth delay predisposes the fetus in diabetic pregnancy to congenital malformation [letter] Pedersen JF, et al. **Lancet** 1982 Mar 27;1(8274):737
Does growth retardation predispose the fetus to congenital malformation? Spiers PS. **Lancet** 1982 Feb 6;1(8267):312–4
Long lasting effects of intrauterine malnutrition on neurotransmitters metabolism in the brain of developing rats. Minkowski A, et al. **Prog Clin Biol Res** 1981;77:643–60
[Sonographic diagnosis of a placental tumour with high-grade intrauterine foetal development deficiency, increasing anhydramnia and subsequent foetal death (author's transl)] Engel K, et al. **Geburtshilfe Fraunheilkd** 1981 Aug;41(8):570–3 (Eng. Abstr.) **(Ger)**

DIAGNOSIS

Prediction of fetal growth deviation by ultrasonic biometry. I. Methodology. Eik-Nes SH, et al. **Acta Obstet Gynecol Scand** 1982;61(1):53–8
Predictive value of a single unstressed antepartum cardiotocogram in apparently uncomplicated pregnancy. Introduction of a new cardiotocography score. Lenstrup C. **Acta Obstet Gynecol Scand** 1982;61(2):177–82
Intrauterine weight retardation and the concomitant length retardation: a statistical analysis of anthropometric data. Járai I. **Acta Paediatr Acad Sci Hung** 1982;23(1):9–16
Intrauterine growth retardation. An unmet challenge. Miller

HC. **Am J Dis Child** 1981 Oct;135(10):944–8
Using ultrasound and amniotic fluid determinations to diagnose intrauterine growth retardation before birth: a clinical model. Gross TL, et al. **Am J Obstet Gynecol** 1982 Jun 1;143(3):265–9
Ultrasound fetal femur length in relation to intrauterine growth retardation. Part II. O'Brien GD, et al. **Am J Obstet Gynecol** 1982 Sep 1;144(1):35–9
Identifying the pregnancy at risk for intrauterine growth retardation: possible usefulness of the intravenous glucose tolerance test. Sokol RJ, et al. **Am J Obstet Gynecol** 1982 May 15;143(2):220–3
Antenatal detection of growth retardation: actual practice in a large maternity hospital. Rosenberg K, et al. **Br J Obstet Gynaecol** 1982 Jan;89(1):12–5
Measurement of fundal height as a screening test for fetal growth retardation. Rosenberg K, et al. **Br J Obstet Gynaecol** 1982 Jun;89(6):447–50
A scoring system for antenatal identification of fetal growth retardation. Wennergren M, et al. **Br J Obstet Gynaecol** 1982 Jul;89(7):520–4
Intrauterine growth retardation: diagnosis and management [editorial] Barber HR. **Diagn Gynecol Obstet** 1982 Summer; 4(2):83–5
The use of human placental lactogen, oxytocinase and estriol in twin pregnancies with intrauterine growth retardation. Briët JW, et al. **Eur J Obstet Gynecol Reprod Biol** 1982 Feb;13(1):7–14
Diagnosis of intrauterine fetal growth retardation by prolongation of dehydroepiandrosterone sulfate (DHAS) half-life after DHAS loading. Rabe T, et al. **Eur J Obstet Gynecol Reprod Biol** 1982 May;13(3):145–58
Intrauterine growth retardation. A report of two cases with bird-headed appearance, skeletal changes and peripheral GH resistance. Boscherini B, et al. **Eur J Pediatr** 1981 Oct; 137(2):237–42
DHEA-S-loading test in cases of intrauterine growth retardation: relationship between the pattern of the maternal plasma metabolites and the fetoplacental dysfunction. Tanguy G, et al. **Gynecol Obstet Invest** 1981; 12(6):305–16
Value of estetrol determinations in the management of intrauterine growth retardation. Comparison with free estriol. Künzig HJ, et al. **J Perinat Med** 1981;9(6):302–10
Detection of intrauterine growth retardation by ultrasound: preliminary communication. Ellis C, et al. **J R Soc Med** 1981 Oct;74(10):739–41
Detection of intrauterine growth retardation. Shanklin DR. **J R Soc Med** 1982 Feb;75(2):139–40
Prediction of intrauterine growth retardation by sonographic estimation of total intrauterine volume. Chinn DH, et al. **JCU** 1981 Apr;9(4):175–9
The use of ultrasound in the detection of intrauterine growth retardation: a review. Deter RL, et al. **JCU** 1982 Jan; 10(1):9–16
Pitfalls in ultrasonic determination of total intrauterine volume. Grossman M, et al. **JCU** 1982 Jan;10(1):17–20
Measurement of the fetal biparietal diameter by ultrasound is not an accurate method of detecting fetal growth retardation. Duff GB, et al. **NZ Med J** 1981 Oct 28; 94(694):312–4
Ultrasound evaluation of intrauterine growth retardation. Little D, et al. **Radiol Clin North Am** 1982 Jun;20(2):335–51
The prevalence of intra-uterine growth retardation in patients with positive contraction stress tests. Odendaal HG, et al. **S Afr Med J** 1981 Nov 14;60(20):782–3
[Diagnosis of premature labor and fetal growth retardation using gravidogram] Janáček V, et al. **Cesk Gynekol** 1980 Nov;45(9):656–8 **(Cze)**
[Ultrasonic, hormonal and biochemical study of intrauterine fetal development in healthy and sick women] Fuchs V, et al. **Cesk Pediatr** 1981 Aug;36(8):438–43 (Eng. Abstr.) **(Cze)**
[The value of biochemical parameters in the prenatal diagnosis of intrauterine growth retardation] Holtorff J, et al. **Acta Univ Palacki Olomuc Fac Med** 1981;101:15–21 **(Ger)**
[Head circumference and brain development. Growth retardation during intrauterine malnutrition and catch-up growth mechanisms (author's transl)] Brandt I. **Klin Wochenschr** 1981 Sep 1;59(17):995–1007 (Eng. Abstr.) **(Ger)**
[Diagnosis of intrauterine retardation by ultrasonics studies during the 2d and 3d trimesters] Kodaj I, et al. **Orv Hetil** 1981 Aug 16;122(33):2015–7 **(Hun)**
[Alpha 1-fetoprotein as an indicator of fetal maturity, well-being or distress] Innotti G, et al. **Arch Ostet Ginecol** 1980 Sep–Oct;85(5):375–86 **(Ita)**
[Ultrasonic aspects of the placenta in intrauterine growth retardation] Di Lieto A, et al. **Minerva Ginecol** 1980 Dec; 32(12):1124 **(Ita)**
[Ultrasonic detection of fetuses small for gestational age and subsequent surveillance in utero] Di Meglio A, et al. **Minerva Ginecol** 1980 Dec;32(12):1105–8 **(Ita)**
[Study of fetal reserve in intrauterine fetal growth retardation (author's transl)] Koike T. **Nippon Ika Daigaku Zasshi** 1981 Dec;48(6):790–800 (Eng. Abstr.) **(Jpn)**
[Prenatal diagnosis and treatments of intrauterine growth retardation (author's transl)] Kaneoka T, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1982 Feb;34(2):233–42 (Eng. Abstr.) **(Jpn)**
[Silver-Russell syndrome--one of the forms of intrauterine growth inhibition described on the basis of our personal cases and literature review] Sachnowska K, et al. **Endokrynol Pol** 1981 Mar–Apr;32(2):137–52 (Eng. Abstr.) **(Pol)**
[Prenatal cardiotocographic changes in an infant with uncertain gestational age] Löfgren O, et al. **Lakartidningen** 1981 Aug 26;78(35):2960–2 **(Swe)**

DRUG THERAPY

[Partusisten and sigetin treatment of hypotrophy of female rabbit fetuses in experimental disorders of utero-placental circulation] Chistiakov GV. **Vestn Akad Med Nauk SSSR** 1981;(6):36–8 (Eng. Abstr.) **(Rus)**

ENZYMOLOGY

Delayed development of gluconeogenic capacity and the appearance of hypoglycaemia in the newborn guinea-pig after intra-uterine growth restriction. Rolph TP, et al. **J Dev Physiol** 1982 Feb;4(1):1–21

ETIOLOGY

Effect of pyelonephritis during pregnancy on mother and fetus. Avar Z, et al. **Acta Chir Acad Sci Hung** 1980; 21(3):203–11
Screening for viral infections in infants with poor intrauterine growth. Andréasson B, et al. **Acta Paediatr Scand** 1981 Sep;70(5):673–6
Impaired reproductive performance of the unicornuate uterus: intrauterine growth retardation, infertility, and recurrent abortion in five cases. Andrews MC, et al. **Am J Obstet Gynecol** 1982 Sep 15;144(2):173–6
Superovulation-induced intrauterine growth retardation in mice. Evans MI, et al. **Am J Obstet Gynecol** 1981 Oct 15; 141(4):433–5
Effects of maternal smoking on fetal growth and nutrition. Bosley AR, et al. **Arch Dis Child** 1981 Sep;56(9):727–9
Chronic maternal hyperinsulinemia and hypoglycemia. A model for experimental intrauterine growth retardation. Gruppuso PA, et al. **Biol Neonate** 1981;40(3–4):113–20
Causes of intrauterine growth retardation [editorial] Howie PW. **Br Med J [Clin Res]** 1982 Jul 17;285(6336):156–7
The relative contributions of different maternal factors in small-for-gestational-age pregnancies. Scott A, et al. **Eur J Obstet Gynaecol Reprod Biol** 1981 Sep;12(3):157–65
Fetal alcohol syndrome: inhibition of placental zinc transport as a potential mechanism for fetal growth retardation in the rat. Ghishan FK, et al. **J Lab Clin Med** 1982 Jul; 100(1):45–52
Reversibility of development retardation following murine fetal zinc deprivation. Beach RS, et al. **J Nutr** 1982 Jun; 112(6):1169–81
Recurrence of intrauterine growth retardation. Tejani NA. **Obstet Gynecol** 1982 Mar;59(3):329–31
Prenatal effects of beverage alcohol on fetal growth. Abel EL. **Prog Biochem Pharmacol** 1981;18:111–4
[Toxemia of pregnancy and retardation of fetal growth (author's transl)] Zhang ZJ. **Chung Hua Fu Chan Ko Tsa Chih** 1981 Jan;16(1):6–9 **(Chi)**
[Intrauterine foetus development in the course of cholestatic hepatosis in pregnant women (author's transl)] Fuchs V, et al. **Cesk Gynekol** 1980 Nov;45(9):619–25 (Eng. Abstr.) **(Cze)**
[Determination of the relationship between the duration of gestosis and fetal growth retardation] Tilch G, et al. **Z Arztl Fortbild (Jena)** 1981 Aug 1;75(15):694–7 **(Ger)**
[Animal experiments to study effects of pure sound and street noise on ontogenesis of mouse (author's transl)] Briese V, et al. **Zentralbl Gynakol** 1981;103(18):1113–7 (Eng. Abstr.) **(Ger)**
[Protein malnutrition during fetal and post-natal development of rats. Histological study of the organs; weight increase; values of certain hematic indices] Greco AM, et al. **Arch Sci Med (Torino)** 1981 Oct–Dec; 138(4):435–8 **(Ita)**
[Pathogenesis of retardation in rabbit fetal development in the early stages of pregnancy] Konstantinova NN, et al. **Akush Ginekol (Mosk)** 1981 Jun;(6):36–8 (Eng. Abstr.) **(Rus)**

FAMILIAL & GENETIC

De novo partial 2p duplication with postmortem description. Monteleone PL, et al. **Am J Med Genet** 1981;10(1):55–64

IMMUNOLOGY

[Determinations of immunoglobulin from the blood of the umbilical vein after pathological course of pregnancy and in foetal growth retardation (author's transl)] Schmidt W, et al. **Z Geburtshife Perinatol** 1981 Oct;185(5):268–72 (Eng. Abstr.) **(Ger)**

METABOLISM

Amniotic fluid catecholamines and metabolites in intrauterine growth retardation. Divers WA, et al. **Am J Obstet Gynecol** 1981 Nov 15;141(6):608–10
Alteration in fatty acid composition of neurons, astrocytes, oligodendrocytes, myelin and synaptosomes in intrauterine malnutrition in rat. Morand O, et al. **Ann Nutr Metab** 1982; 26(2):111–20
Anthropometric and biochemical changes during pregnancy in Asian and European mothers having light for gestational age babies. Bissenden JG, et al. **Br J Obstet Gynaecol** 1981 Oct;88(10):999–1008
Intrauterine growth retardation (malnutrition by vascular ligation) induces modifications in fatty acid composition of neurons and oligodendrocytes. Morand O, et al. **J Neurochem** 1981 Oct;37(4):1057–60
Fatty acid synthesis in rat fetuses with intrauterine growth retardation. Vileisis RA, et al. **Metabolism** 1982 Mar; 31(3):217–22

MORTALITY

Mortality and morbidity of fetal growth retardation. Dobson PC, et al. **Aust NZ J Obstet Gynaecol** 1981 May;21(2):69–72
[Fetal hypotrophy as a factor in perinatal mortality] Poradovský K, et al. **Cesk Gynekol** 1982 Mar;47(2):155–9 **(Slo)**

OCCURRENCE

The economic implication in pregnancy outcome. Rodriguez-Escudero FJ. **Int J Gynaecol Obstet** 1981 Jun; 19(3):231–7
The incidence of fetal malnutrition in Turkey. Ozalp I, et al. **Turk J Pediatr** 1982 Apr–Jun;23(2):75–84
[Intrauterine growth retardation] Bianchi R, et al. **Rev Chil Obstet Ginecol** 1979;44(3):100–8 (Eng. Abstr.) **(Spa)**

PATHOLOGY

Gross pathology of the placenta in intrauterine growth retardation. Bjøro K Jr. **Ann Chir Gynaecol** 1981; 70(6):316–22
Morphological changes of the spiral arteries in the placental bed in relation to pre-eclampsia and fetal growth retardation. Gerretsen G, et al. **Br J Obstet Gynaecol** 1981 Sep;88(9):876–81
Pathological features of intra-uterine growth retardation in the piglet: differential effects on organ weights. Flecknell PA, et al. **Diagn Histopathol** 1981 Oct-Dec;4(4):295–8

PHYSIOPATHOLOGY

The effect of maternal hypercapnia and hyperoxia on breathing movements in the normal and growth-retarded fetus. van Weering HK, et al. **Acta Obstet Gynecol Scand** 1982;61(1):69–74
Evaluation of cerebral function in newborn infants with fetal growth retardation. Hrbek A, et al. **Adv Neurol** 1982; 32:89–95
Intrauterine growth retardation: a study of long-term morbidity. Low JA, et al. **Am J Obstet Gynecol** 1982 Mar 15;142(6 Pt 1):670–7
The effect of maternal glucose infusion on breathing movements in human fetuses with intrauterine growth retardation. Luther ER, et al. **Am J Obstet Gynecol** 1982 Mar 15;142(6 Pt 1):600–5
Chemical changes in human skeletal muscle during fetal development. Brans YW, et al. **Biol Neonate** 1981; 40(1–2):21–8
A follow-up electrophysiological study of rats with poor intrauterine fetal growth: the development of visual evoked responses (VERs). Pinto F, et al. **Experientia** 1981 Jul 15; 37(7):724–6
The timing factor in the pathophysiology of the intrauterine growth retardation syndrome. Villar J, et al. **Obstet Gynecol Surv** 1982 Aug;37(8):499–506 (27 ref.)
[Adaptation mechanism in infantile atrophy] Kulin L. **Orv Hetil** 1981 Oct 25;122(43):2655–6 **(Hun)**
[Characteristics of psychomotor development of children with fetal growth retardation] Nabukhotnyĭ TK, et al. **Pediatriia** 1981 Sep;(9):14–7 (Eng. Abstr.) **(Rus)**

PREVENTION & CONTROL

Prenatal treatment of thyrotoxicosis to prevent intrauterine growth retardation. Check JH, et al. **Obstet Gynecol** 1982 Jul;60(1):122–4

PSYCHOLOGY

[Psychogenetic aspects of intra-uterine growth failure (author's transl)] Duval AR. **J Gynecol Obstet Biol Reprod (Paris)** 1982;11(2):271–6 (Eng. Abstr.) **(Fre)**

RADIOGRAPHY

Radiological assessement of fetal growth retardation. Russell JG, et al. **Clin Radiol** 1981 Sep;32(5):567–9

THERAPY

Characteristics of the trophoblast in placental resorption villi after antepartum glucose infusions: possibilities for the therapy of chronic placental insufficiency. Ruckhäberle KE, et al. **J Perinat Med** 1981;9(5):211–8
[Prenatal treatment of hypotrophy of the foetus by means of long-term glucose infusions. VI Effect of the infusions upon the glycogen reserves of the newborn (author's transl)] Melichar V, et al. **Cesk Gynekol** 1981 Nov; 46(9):681–4 (Eng. Abstr.) **(Cze)**
[Prenatal treatment of hypotrophic foetuses by long-term glucose infusions. VII. Glucose tolerance tests performed

in newborns prenatally treated for foetal hypotrophy (author's transl)] Přibylová H, et al. **Cesk Gynekol** 1982 May;47(4):256–60 (Eng. Abstr.) **(Cze)**

[Prenatal treatment of hypotrophic foetuses by long-term glucose infusions. IV. Metabolic effect of infusions administered during deliveries with turbid amniotic fluid (author's transl)] Sabata V, et al. **Cesk Gynekol** 1981 Aug; 46(7):527–33 (Eng. Abstr.) **(Cze)**

[Prenatal treatment of foetal hypotrophy by long-term glucose infusions. V. Effect of the infusions upon the trophoblast of placental villi (author's transl)] Sabata V, et al. **Cesk Gynekol** 1981 Sep;46(8):613–6 (Eng. Abstr.) **(Cze)**

[Effect of infusion therapy on intrauterine fetal growth retardation (author's transl)] Chimura T, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1982 May;34(5):551–8 (Eng. Abstr.) **(Jpn)**

URINE

[Urinary adrenaline and noradrenaline excretion in newborn infants with signs of fetal growth retardation] Sawa H, et al. **Ginekol Pol** 1981 May;52(5):437–40 (Eng. Abstr.) **(Pol)**

FETAL HEART

Short-term variability of fetal heart rate in cholestasis of pregnancy. Ammälä P, et al. **Am J Obstet Gynecol** 1981 Sep 15;141(2):217–20

The nonstress test: an evaluation of 1,000 patients. Barrett JM, et al. **Am J Obstet Gynecol** 1981 Sep 15;141(2):153–7

A prospective multi-institutional study of antepartum fetal heart rate monitoring. II. Contraction stress test versus nonstress test for primary surveillance. Freeman RK, et al. **Am J Obstet Gynecol** 1982 Aug 1;143(7):778–81

A prospective multi-institutional study of antepartum fetal heart rate monitoring. I. Risk of perinatal mortality and morbidity according to antepartum fetal heart rate test results. Freeman RK, et al. **Am J Obstet Gynecol** 1982 Aug 1;143(7):771–7

Significant correlation between maternal hemodynamics and fetal heart rate variability. Kariniemi V, et al. **Am J Obstet Gynecol** 1982 Sep 1;144(1):43–6

A comparison of two fetal heart rate ultrasound detector systems. Lawson G, et al. **Am J Obstet Gynecol** 1982 Aug 1;143(7):840–1

Fetal heart monitoring: a systems view [letter] Royston GH. **Lancet** 1982 Apr 10;1(8276):861

An early sign of fetal demise. Ultrasonic demonstration of clotted blood within the fetal heart. McLeary RD. **Radiology** 1982 Mar;142(3):712

[Echocardiographic visualization of the cardiac and vascular structures of the living human fetus] De Luca I, et al. **G Ital Cardiol** 1982;11(11):1646–56 (Eng. Abstr.) **(Ita)**

[Cardiotocography and intrauterine fetal death] Balbi F, et al. **Minerva Ginecol** 1981 Jul–Aug;33(7–8):725–36 **(Ita)**

[Fetal ultrasonic cardiography in real time] Grassi G. **Minerva Ginecol** 1981 Oct;33(10):965–72 **(Ita)**

ABNORMALITIES

A connective tissue membrane in the right atrium (Chiari's network) as a cause of fetal cardiac arrhythmia. Clements J, et al. **Am J Obstet Gynecol** 1982 Mar 15;142(6 Pt 1):709–12

Ultrasonic diagnosis of a fetal cardiac malformation. A case report. Milner S, et al. **S Afr Med J** 1982 Jul 17;62(3):105–6

ANATOMY & HISTOLOGY

M-mode echocardiography in the developing human fetus. Allan LD, et al. **Br Heart J** 1982 Jun;47(6):573–83

Ultrasonic assessment of cardiovascular geometry and function in the human fetus. Wladimiroff JW, et al. **Br J Obstet Gynaecol** 1981 Sep;88(9):870–5

Fetal cardiac anatomy and vascular dynamics. McCallum WD. **Clin Obstet Gynecol** 1981 Sep;24(3):837–49 (54 ref.)

Normal fetal cardiac anatomy—a basis for the echocardiographic detection of abnormalities. Allan LD, et al. **Prenatal Diagn** 1981 Apr;1(2):131–9

DRUG EFFECTS

The effects of bupivacaine and chloroprocaine as local anesthetics for epidural anesthesia of fetal heart rate monitoring parameters. Lavin JP, et al. **Am J Obstet Gynecol** 1981 Nov 15;141(6):717–22

Effect of hypoxemia and acidemia on the fetal cardiac response to acetylcholine: experimental observations in fetal baboons. Yeh MN, et al. **Am J Obstet Gynecol** 1981 Nov 15;141(6):682–7

Maternal, fetal, and neonatal responses after epidural anesthesia with bupivacaine, 2-chloroprocaine, or lidocaine. Abboud TK, et al. **Anesth Analg (Cleve)** 1982 Aug;61(8):638–44

Cardiotocographic modifications during continuous epidural anaesthesia in labour. Vincenti E, et al. **Clin Exp Obstet Gynecol** 1981;8(3):128–31

The effects of epidural anesthesia on electronic fetal heart rate monitoring. Lavin JP. **Clin Perinatol** 1982 Feb; 9(1):55–62

The effect of the beta-mimetic drug clenbuterol on maternal and fetal behaviour. Wladimiroff JW, et al. **Eur J Obstet Gynecol Reprod Biol** 1982 Mar;13(2):67–74

Meperidine-induced sinusoidal fetal heart rate pattern and reversal with naloxone. Epstein H, et al. **Obstet Gynecol** 1982 Jun;59(6 Suppl):22S–5S

Responsiveness to drugs and hormones in the murine model of cardiac ontogenesis. Roeske WR, et al. **Pharmacol Ther** 1981;14(1):55–66 (37 ref.)

[Monitoring changes in fetal heart rate deceleration in premature labor during tocolysis with the beta-adrenomimetics Partusisten and Pre-par] Ivanov S, et al. **Akush Ginekol (Sofiia)** 1982;21(1):25–7 (Eng. Abstr.) **(Bul)**

[Influence of the fetal heart following alphaxalone (Althesin)] Bitsch-Larsen L. **Ugeskr Laeger** 1982 Apr 5;144(14):1029 (Eng. Abstr.) **(Dan)**

[Intrauterine pressure and fetal and maternal heart rate on administration of the betamimetic agent, hexoprenaline during labour (author's transl)] Bernaschek G, et al. **Wien Klin Wochenschr** 1981 Sep 18;93(17):541–7 (Eng. Abstr.) **(Ger)**

[Damage of fetal myocardium by beta-mimetics? (author's transl)] Oddoy A, et al. **Zentralbl Gynakol** 1981; 103(23):1429–34 (Eng. Abstr.) **(Ger)**

[Development of uterine contractility and fetal heart activity during ketamine anesthesia in parturients] Opacki W. **Ginekol Pol** 1981 Aug;52(8):699–704 (Eng. Abstr.) **(Pol)**

ENZYMOLOGY

Isoproterenol stimulation of ornithine decarboxylase blocked by propranolol during ontogeny of the murine heart. Haddox MK, et al. **Mol Pharmacol** 1981 Sep;20(2):382–6

METABOLISM

Myocardial metabolism in relation to electrocardiographic changes and cardiac function during graded hypoxia in the fetal lamb. Hökegård KH, et al. **Acta Physiol Scand** 1981 Sep;113(1):1–7

PHYSIOLOGY

The interpretation of the fetal heart rate during labour. Van Lierde M, et al. **Acta Anaesthesiol Belg** 1981 Dec; 32(4):257–68

An ominous undulating fetal heart rate pattern. Ginsburg DS, et al. **Acta Obstet Gynecol Scand** 1982;61(1):39–42

Predictive value of a single unstressed antepartum cardiotocogram in apparently uncomplicated pregnancy. Introduction of a new cardiotocography score. Lenstrup C. **Acta Obstet Gynecol Scand** 1982;61(2):177–82

Fetal heart rate and tissue pH changes associated with repetitive aortic occlusion in the pregnant dog. Abitbol MM. **Am J Obstet Gynecol** 1982 Jun 15;143(4):430–9

Biophysics of the developing heart. III. A comparison of the left ventricular dynamics of the fetal and neonatal lamb heart. Anderson PA, et al. **Am J Obstet Gynecol** 1982 May 15;143(2):195–203

Variable deceleration on nonstress test of monoamniotic twins. Barrett JM, et al. **Am J Obstet Gynecol** 1981 Nov 1;141(5):583–5

Real-time—directed M-mode echocardiography: a new technique for accurate and rapid quantitation of the fetal preejection period and ventricular ejection time of the right and left ventricles. DeVore GR, et al. **Am J Obstet Gynecol** 1981 Oct 15;141(4):470–1

Fetal heart rate reactivity before and after maternal jogging during the third trimester. Hauth JC, et al. **Am J Obstet Gynecol** 1982 Mar 1;142(5):545–7

Effect of acute hypoxemia and respiratory acidosis on the fetal heart rate in monkeys. Ikenoue T, et al. **Am J Obstet Gynecol** 1981 Dec 1;141(7):797–806

Antepartum testing in postterm pregnancy [letter] Ingardia CJ. **Am J Obstet Gynecol** 1982 May 1;143(1):113–4

The mechanism of late deceleration of the heart rate and its relationship to oxygenation in normoxemic and chronically hypoxemic fetal lambs. Itskovitz J, et al. **Am J Obstet Gynecol** 1982 Jan 1;142(1):66–73

Perinatal mortality related to nonstress and contraction stress tests [letter] Kadar N. **Am J Obstet Gynecol** 1982 Apr 1; 142(7):931

Intrapartum fetal heart rate monitoring. VI. Prognostic significance of accelerations. Krebs HB, et al. **Am J Obstet Gynecol** 1982 Feb 1;142(3):297–305

Intrapartum fetal heart rate monitoring. VII. The impact of mode of delivery on fetal outcome. Krebs HB, et al. **Am J Obstet Gynecol** 1982 May 15;143(2):190–4

A new modality in nonstress testing: evaluation of beat-to-beat fetal heart rate variability. Lauersen NH, et al. **Am J Obstet Gynecol** 1981 Nov 1;141(5):521–6

Intrapartum assessment of the postdate fetus. Miller FC, et al. **Am J Obstet Gynecol** 1981 Nov 1;141(5):516–20

Sinusoidal fetal heart rate pattern: its definition and clinical significance. Modanlou HD, et al. **Am J Obstet Gynecol** 1982 Apr 15;142(8):1033–8 (16 ref.)

The nonstress test: the false negative test. Phelan JP, et al. **Am J Obstet Gynecol** 1982 Feb 1;142(3):293–6

Hemodynamic effects of alpha-adrenergic blockade during hypoxia in fetal sheep. Reuss ML, et al. **Am J Obstet Gynecol** 1982 Feb 15;142(4):410–5

Fetal heart rate accelerations in low-risk and diabetic pregnancies during active behavioral periods. Sorokin Y, et al. **Am J Obstet Gynecol** 1982 May 15;143(2):224–5

The association between fetal heart rate patterns and fetal movements in pregnancies between 20 and 30 weeks' gestation. Sorokin Y, et al. **Am J Obstet Gynecol** 1982 Jun 1;143(3):243–9

Diurnal and other cyclic variations in human fetal heart rate near term. Visser GH, et al. **Am J Obstet Gynecol** 1982 Mar 1;142(5):535–44

A controlled trial of fetal heart rate monitoring in a low-risk obstetric population. Wood C, et al. **Am J Obstet Gynecol** 1981 Nov 1;141(5):527–34

Non-stress antenatal cardiotocography in high risk pregnancy. Kuhn, RJ. **Asia Oceania J Obstet Gynaecol** 1982 Mar;8(1):73–9

Fetal heart rate monitoring using repeater telemetry methods. Weeks RW, et al. **Biomed Sci Instrum** 1981;17:125–8

Homomorphic deconvolution applied to foetal heart rate signals. Hernández C. **Biomed Tech (Berlin)** 1982 May; 27(5):118–23

Pattern of the normal human fetal heart rate. Dawes GS, et al. **Br J Obstet Gynaecol** 1982 Apr;89(4):276–84

Baseline in human fetal heart-rate records. Dawes GS, et al. **Br J Obstet Gynaecol** 1982 Apr;89(4):270–5

Fetal cardiac electromechanical intervals during labour and effects of hypoxia and cord compression. Doig JR, et al. **Br J Obstet Gynaecol** 1982 Feb;89(2):145–8

Is end-stage deceleration of the fetal heart ominous? Katz M, et al. **Br J Obstet Gynaecol** 1982 Mar;89(3):186–9

A comparison of episodic heart-rate patterns in the fetus and newborn. Visser GH, et al. **Br J Obstet Gynaecol** 1982 Jan;89(1):50–5

Accelerations in 'intra-partum' cardiotocographic record. IV. Correlation with the presence of a funiculus pathology. Luerti M, et al. **Clin Exp Obstet Gynecol** 1981;8(1):31–3

Usefulness of cardiotocography in expulsion period. Mega M, et al. **Clin Exp Obstet Gynecol** 1981;8(3):111–3

Accelerations in 'intra-partum' cardiotocographic record. III. Correlation with meconium staining of amniotic fluid. Stefanoni S, et al. **Clin Exp Obstet Gynecol** 1981;8(1):27–30

Computation of short-term fetal heart-rate variability from heart-rate waveforms. Saini VD, et al. **Comput Biol Med** 1982;12(2):81–6

A new technique for the suppression of the MECG. Bergveld P, et al. **IEEE Trans Biomed Eng** 1981 Apr;28(4):348–54

Fetal electrocardiogram enhancement by time-sequenced adaptive filtering. Ferrara ER, et al. **IEEE Trans Biomed Eng** 1982 Jun;29(6):458–60

Evaluation of fetal heart rate variability. Branconi F, et al. **Int J Biol Res Pregnancy** 1982;3(1):14–7

Antenatal evaluation of FHR accelerations associated with fetal movements. Sadovsky E, et al. **Int J Gynaecol Obstet** 1981 Dec;19(6):441–5

Clinical experience in non-stressed antepartum cardiotocography in high-risk pregnancies. Varma TR. **Int J Gynaecol Obstet** 1981 Dec;19(6):433–9

Electronic fetal monitoring during labor. Kurse J. **J Fam Pract** 1982 Jul;15(1):35–42

Role of adrenocortical hormones on the ontogenesis of ventricular action potential of rat myocardium. Legrand AM, et al. **J Mol Cell Cardiol** 1981 Sep;13(9):833–42

Interval index: a measure of fetal heart rate accelerations. Kariniemi V, et al. **J Perinat Med** 1981;9(5):248–50

The effects of oxytocin on fetal rate variability during labor. Kariniemi V, et al. **J Perinat Med** 1981;9(5):251–4

Nonstress test prediction of fetal status. Gandhi J, et al. **J Reprod Med** 1982 Feb;27(2):80–8

A review of the nonstress test. Knuppel RA, et al. **J Reprod Med** 1982 Mar;27(3):120–6

Intrapartum fetal heart rate monitoring in conjoined twins: a case report. Sorosky J, et al. **J Reprod Med** 1982 Feb; 27(2):107–9

Fetal heart monitoring: a systems view [letter] Royston GH. **Lancet** 1982 Apr 10;1(8276):861

On processing of Doppler returns from the foetal heart: an electronic processing method for extraction of valvular timing information. Cousin AJ. **Med Biol Eng Comput** 1981 Jan;19(1):1–10

Improvement in Doppler ultrasound human foetal heart rate records by signal correlation. Tuck DL. **Med Biol Eng Comput** 1982 May;20(3):357–600

Conditions affecting nonstress test results. Rayburn WF, et al. **Obstet Gynecol** 1982 Apr;59(4):490–3

Basic electrophysiological parameters and frequency sensitivity of the ventricular myocardium of human embryos. Ježek K, et al. **Physiol Bohemoslov** 1982; 31(1):11–9

Antepartum fetal testing: evaluation and redefinition of criteria for clinical interpretation. Aladjem S, et al. **Semin Perinatol** 1981 Apr;5(2):145–53

[Use of cardiotocography in studying irregular pregnancy] Křikal Z, et al. **Cesk Gynekol** 1982 Mar;47(2):136 **(Cze)**

[Cardiotokographic investigation and progesterone levels during induction of labour by prostaglandin E2 tablets (author's transl)] Kulovaný E, et al. **Cesk Gynekol** 1982 May;47(4):243–50 (Eng. Abstr.) **(Cze)**

[Telemetric transmission of fetal cardiac rhythm in monitoring high risk pregnancies (author's transl)] Crépin G, et al. **J Gynecol Obstet Biol Reprod (Paris)** 1981; 10(8):797–806 (Eng. Abstr.) **(Fre)**

[Correlations between breathing movements, motor activity and cardiac rhythm in the fetus (author's transl)] Schaaps JP, et al. **J Gynecol Obstet Biol Reprod (Paris)** 1981; 10(4):349–52 (Eng. Abstr.) **(Fre)**

[Experiences in the assessment of the subpartal cardiotocogram (author's transl)] Bögelspacher HR, et al.

Geburtshilfe Fraunheilkd 1981 Oct;41(10):714–7 (Eng. Abstr.) **(Ger)**

[The variability of fetal heart rate response to the reduction of uterine blood flow in anaesthetized and unanaesthetized pregnant sheep] Künzel W, et al. **Z Geburtshife Perinatol** 1981 Dec;185(6):343–50 (Eng. Abstr.) **(Ger)**

[The 'non-stress test' as a new examination method in prenatal diagnosis] Bártfai G, et al. **Orv Hetil** 1981 Oct 4;122(40):2470–2 **(Hun)**

[Cardiotocography in a case of anencephaly] Imperiale F, et al. **Minerva Ginecol** 1981 Sep;33(9):825–30 **(Ita)**

[A study on oxytocin challenge test of the fetus with quantitative tocodynamometry determined by contraction index (author's transl)] Sawazumi K. **Acta Obstet Gynaecol Jpn** 1981 Jul;33(7):987–95 (Eng. Abstr.) **(Jpn)**

[Automatic data processing of the fetal heart rate] Sawazumi K. **Iyodenshi To Seitai Kogaku** 1981 Sep;19(5):391–2 **(Jpn)**

[Fetal echocardiography: structural evaluation of the fetal heart and prenatal diagnosis of congenital heart disease (author's transl)] Rikitake N, et al. **J Cardiogr** 1981 Dec; 11(4):1319–27 (Eng. Abstr.) **(Jpn)**

[Fetal mechanocardiogram studied by systolic time intervals in ultrasonic doppler fetal heart valve signals using new multistylus recorder system (author's transl)] Yoneda T. **Nippon Sanka Fujinka Gakkai Zasshi** 1981 Aug; 33(8):1209–18 (Eng. Abstr.) **(Jpn)**

[Characteristics of fetal cardiac activity in different methods of inducing labor] Kiriushchenkov AP, et al. **Akush Ginekol (Mosk)** 1981 Jun;(6):49–51 (Eng. Abstr.) **(Rus)**

[Monitoring fetal cardiac activity during labor] Savel'eva GM, et al. **Akush Ginekol (Mosk)** 1981 Jun;(6):55–7 **(Rus)**

[External fetal electrocardiograms with P wave. Report of 6 cases] Domínguez de Costa C, et al. **Arch Inst Cardiol Mex** 1981 May–Jun;51(3):227–31 (Eng. Abstr.) **(Spa)**

[Prenatal cardiotocographic changes in an infant with uncertain gestational age] Löfgren O, et al. **Lakartidningen** 1981 Aug 26;78(35):2960–2 **(Swe)**

PHYSIOPATHOLOGY

Fetal heart rate accelerations and late decelerations during the course of intrauterine death in chronically catheterized rhesus monkeys. Murata Y, et al. **Am J Obstet Gynecol** 1982 Sep 15;144(2):218–23

The intraventricular conduction time of fetal heart in pregnancies complicated by rhesus haemolytic disease. Brambati B, et al. **Br J Obstet Gynaecol** 1981 Dec; 88(12):1233–40

A randomized controlled trial of non-stress antepartum cardiotocography. Flynn AM, et al. **Br J Obstet Gynaecol** 1982 Jun;89(6):427–33

Predictive value of, and observer variability in, several ways of reporting antepartum cardiotocographs. Flynn AM, et al. **Br J Obstet Gynaecol** 1982 Jun;89(6):434–40

Sinusoidal fetal heart rate pattern with severe fetal anaemia--case report [letter] Geirsson RT, et al. **Br J Obstet Gynaecol** 1981 Sep;88(9):956–8

Categorization of terminal fetal heart-rate patterns in antepartum cardiotocography. Langer O, et al. **Br J Obstet Gynaecol** 1982 Mar;89(3):179–85

ECG of the month: an 11-year-old quarter horse following a maxillary laceration. Raffe MR, et al. **J Am Vet Med Assoc** 1981 Apr 15;178(8):803–4

A contribution to the monitoring of fetal arrhythmias. Boos R, et al. **J Perinat Med** 1982;10(2):85–92

Problems of antepartal cardiotocography. Halberstadt E, et al. **J Perinat Med** 1982;10(2):63–72 (68 ref.)

Fetal anemia and heart rate patterns. Kariniemi V. **J Perinat Med** 1982;10(3):167–73

The future of fetal heart rate monitoring. Miller FC. **J Perinat Med** 1981;9(4):178–83

Sinusoidal fetal heart rate pattern with vasa previa in twin pregnancy. Antoine C, et al. **J Reprod Med** 1982 May; 27(5):295–300

Clinical significance of fetal heart rate patterns during labor: VII. Hypertensive conditions. Cibils LA. **J Reprod Med** 1981 Sep;26(9):471–7

[Sinusoidal fetal heart rate pattern indicating severe anemia due to fetomaternal transfusion (author's transl)] Richter R. **Z Geburtshife Perinatol** 1982 Apr–May;186(2):104–7 (Eng. Abstr.) **(Ger)**

[Particular significance of a cardiotocographic pattern: sinusoidal rhythm] Iannello F, et al. **Minerva Ginecol** 1980 Dec;32(12):1085–8 **(Ita)**

[Role of cardiotachography in the diagnosis of the severity of chronic fetal anoxia during pregnancy] Got'e ES, et al. **Akush Ginekol (Mosk)** 1982 Jan;(1):9–12 (Eng. Abstr.) **(Rus)**

[Importance of cardiac monitoring control in the diagnosis of chronic fetal hypoxia using the atropine test during pregnancy] Tsvigun VS, et al. **Akush Ginekol (Mosk)** 1981 Nov,(11):21–3 **(Rus)**

ULTRASTRUCTURE

The development of Purkinje fibres and ordinary myocytes in the bovine fetal heart. An ultrastructural study. Forsgren S, et al. **Anat Embryol (Berl)** 1981;162(2):127–36

Fine structural examination of the single heart tube in the fifteen day ferret embryo. Marino TA, et al. **Cell Tissue Res** 1982;221(3):597–605

FETAL HEMOGLOBIN

Erythroleukemia with high fetal hemoglobin after therapy for ovarian carcinoma. Krauss JS, et al. **Am J Clin Pathol** 1981 Nov;76(5):721–2

The heterogeneity of the gamma-chain of fetal hemoglobin in HbS heterozygotes. Gardiner MB, et al. **Blood** 1982 Aug; 60(2):513–8

Interaction between homozygous beta 0 thalassaemia and the Swiss type of hereditary persistence of fetal haemoglobin. Cappellini MD, et al. **Br J Haematol** 1981 Aug;48(4):561–72

Restriction endonuclease maps of the beta-like globin gene cluster in the British and Greek forms of HPFH, and for one example of G gamma beta + HPFH. Jones RW, et al. **Br J Haematol** 1982 Mar;50(3):415–22

Hb F-Meinohama or alpha 2 gamma 2 (5 Glu replaced by Gly; 75 Ile; 136 Gly). Ohta Y, et al. **Hemoglobin** 1981; 5(6):565–70

Hemoglobins, XLI. The embryonic hemoglobins of mammal. A new hemoglobin, hemoglobin Heide II (Hb HeII: alpha 2 epsilon 2), and demonstration of the hemoglobin structure of gower I (zeta 3 epsilon 2) in the pig embryo. Bektas MS, et al. **Hoppe Seylers Z Physiol Chem** 1981 Jul; 362(7):991–5

Structure of the zeta chain of human embryonic hemoglobin. Clegg JB, et al. **Proc Natl Acad Sci USA** 1981 Oct; 78(10):6076–80

Embryonic hemoglobin: sequence of the epsilon and zeta chains. Clegg JB. **Tex Rep Biol Med** 1980–81;40:23–8 (11 ref.)

The cellular distribution of fetal hemoglobin: normal adults and hemoglobinopathies. Dover GJ, et al. **Tex Rep Biol Med** 1980–81;40:43–54 (34 ref.)

The human fetal hemoglobins. Huisman TH. **Tex Rep Biol Med** 1980–81;40:29–42 (73 ref.)

[Human embryonic haemoglobins. The primary structure of the zeta chains (author's transl)] Aschauer H, et al. **Hoppe Seylers Z Physiol Chem** 1981 Aug;362(8):1159–62 (Eng. Abstr.) **(Ger)**

ANALOGS & DERIVATIVES

Glycosylated fetal haemoglobin [letter] Cauchi MN, et al. **Br Med J [Clin Res]** 1982 Jan 23;284(6311):273

ANALYSIS

beta-Thalassemia intermedia homozygous for normal hemoglobin A2 beta-thalassemia. Study in four families. Aksoy M, et al. **Acta Haematol (Basel)** 1982;67(1):57–61

Preparation of stable control material for fetal hemoglobin determination alkaline denaturation [letter] Cornbleet J, et al. **Am J Clin Pathol** 1982 Sep;78(3):425

Fetal hemoglobin: optimum conditions for its estimation by alkali denaturation. Molden DP, et al. **Am J Clin Pathol** 1982 May;77(5):568–72

Minor fetal hemoglobins in relation to gestational age. Fadel HE, et al. **Am J Obstet Gynecol** 1981 Nov 15;141(6):704–8

Utilization of specific mixed agglutination in a case of apparent fetomaternal hemorrhage. LaFerla JJ, et al. **Am J Obstet Gynecol** 1981 Nov 1;141(5):581–2

Persistent hemoglobin F in donor blood may give falsely elevated acid-elution test in Rh-negative patient. Stropnicky EM, et al. **Am J Obstet Gynecol** 1982 Jan 1; 142(1):109–10

Detection of fetomaternal hemorrhage [letter] Krauss JS. **Arch Pathol Lab Med** 1982 Aug;106(8):423

Thalassemia and the Kleihauer-Betke test [letter] Shugar G. **Arch Pathol Lab Med** 1982 Jan;106(1):48–9

Mouse hemoglobin during gestation. Absence of fetal hemoglobin. Zucker RM. **Biochim Biophys Acta** 1982 May 3;703(2):212–5

F-cells are preferentially distributed among high density erythrocytes. Testa U, et al. **Biomedicine** 1981 Jul; 35(3):94–7

Glycosylated fetal haemoglobin [letter] Cauchi MN, et al. **Br Med J [Clin Res]** 1982 Jan 23;284(6311):273

The use of globin chain electrophoresis in polyacrylamide gels for the quantitation of the G gamma to A gamma ratio in fetal hemoglobin. Efremov GD, et al. **Hemoglobin** 1981;5(7–8):637–51

Further studies on the quantitation of the hemoglobins A, S, C, and F in newborn babies with different hemoglobinopathies using high pressure liquid chromatography. Gardiner MB, et al. **Hemoglobin** 1982; 6(1):1–13

A new gamma chain variant, HB F Kotobuki or A1 gamma 6 (A3) Glu leads to Gly. Yoshinaka H, et al. **Hemoglobin** 1982;6(1):37–42

Identification of erythrocytes in intervillous thrombi: a study using immunoperoxidase identification of hemoglobins. Kaplan C, et al. **Hum Pathol** 1982 Jun;13(6):554–7

Foetal haemoglobin and 2-3 DPG levels in low birth weight infants. Shatrugna V, et al. **Indian Pediatr** 1981 Jul; 18(7):449–52

Beta-thalassemia major surviving till 20 years without transfusion (a case report). Gupta RK, et al. **J Assoc Physicians India** 1981 May;29(5):421–3

Immunohistochemical identification of adult and fetal haemopoiesis in the spleen in lymphoma, leukaemia and myeloproliferative disease. Underwood JC, et al. **J Pathol** 1981 May;134(1):71–80

Screening procedures for quantitative abnormalities in hemoglobin synthesis. Clegg JB, et al. **Methods Enzymol** 1981;76:749–60

Hematologic changes and hemoglobin analysis beta thalassemia heterozygotes during the first year of life. Wood WG, et al. **Pediatr Res** 1982 Apr;16(4 Pt 1):286–9

Isoelectric focusing of human hemoglobins. Beuzard ?, et al. **Prog Clin Biol Res** 1981;60:177–95

Hemoglobin determinations in single cells: Comparison of different techniques. Dover GJ, et al. **Prog Clin Biol Res** 1981;60:115–33

Immunologic quantification of fetal hemoglobin in sickle cell anemia. Rucknagel DL, et al. **Prog Clin Biol Res** 1981; 60:135–47

Foetal haemoglobin in patients with thyroid disorders. Davidson RJ, et al. **Scand J Haematol** 1981 Aug; 27(2):130–4

Foetal type acetylcholinesterase in an anaemic patient with high HbF. Garrè C, et al. **Scand J Haematol** 1982 Apr; 28(4):306–8

[Changes of lymphocytic micronucleus rate and amount of hemoglobin F in the peripheral blood of workers with long-term exposure to benzene (author's transl)] Wang ZQ. **Chung Hua Yu Fang I Hsueh Tsa Chih** 1981 May; 15(3):151–2 **(Chi)**

[Human embryonic haemoglobins. Ac-Ser-Leu-Thr-is the N-terminal sequence of the zeta-chains (author's transl)] Aschauer H, et al. **Hoppe Seylers Z Physiol Chem** 1981 Dec;362(12):1657–9 (Eng. Abstr.) **(Ger)**

[Chemical composition of fetal hemoglobin in Sardinian newborns] Masala B, et al. **Boll Soc Ital Biol Sper** 1981 Apr 15;57(7):815–21 (Eng. Abstr.) **(Ita)**

[The Hbf in Fanconi's anemia (author's transl)] Miniero R, et al. **Pediatr Med Chir** 1981 Mar–Jun;3(2–3):167–70 (Eng. Abstr.) **(Ita)**

[Fetal hemoglobin in the follow-up of homozygous beta-thalassemia in blood transfusion treatment] Ferrara M, et al. **Pediatria (Napoli)** 1980 Dec 31;88(4):541–8 (Eng. Abstr.) **(Ita)**

[Fetal hemoglobin in the blood in leukemia] Pribilović D, et al. **Bilt Hematol Transfuz** 1980;8(1):65–70 (Eng. Abstr.) **(Ser)**

[Determination of fetal hemoglobin and beta-1-glycoprotein serum levels in cancer patients (author's transl)] Simó-Camps E, et al. **Med Clin (Barc)** 1982 Mar 16; 78(6):231–4 (Eng. Abstr.) **(Spa)**

[Hereditary persistence of foetal haemoglobin found in a Spanish family (author's transl)] Vaya A, et al. **Sangre (Barc)** 1981;26(6):1164–8 (Eng. Abstr.) **(Spa)**

BIOSYNTHESIS

Lasting Hb F reactivation and Hb A2 reduction induced by the treatment of Hodgkin's disease in a woman heterozygous for beta-thalassemia and the Swiss type of the heterocellular hereditary persistence of Hb F. Cech P, et al. **Acta Haematol (Basel)** 1982;67(4):275–84

Synthesis of the minor fetal hemoglobin Fic in colonies of erythropoietic precursors isolated from human umbilical cord blood. Abraham EC, et al. **Am J Hematol** 1982 May; 12(3):207–13

Identification and quantitation of embryonic and three types of fetal hemoglobin produced on induction of the human pluripotent leukemia cell line K-562 with hemin. Fuhr JE, et al. **Am J Hematol** 1982 Feb;12(1):1–12

Maintenance of fetal hemoglobin (HbF) elevations in the baboon by prolonged erythropoietic stress. DeSimone J, et al. **Blood** 1982 Aug;60(2):519–23

Haemoglobin synthesis by fetal erythroid cells in an adult environment. Bunch C, et al. **Br J Haematol** 1981 Nov; 49(3):325–36

Effect of thyroid hormones on the switch from larval to adult hemoglobin synthesis in the salamander Pleurodeles waltlii. Flavin M, et al. **Cell Differ** 1982 Jan;11(1):27–33

Hemoglobin switching in chickens. Is the switch initiated post-transcriptionally? Landes GM, et al. **J Biol Chem** 1982 Sep 25;257(18):11008–14

Human hemoglobin switching: insights from studies of erythroid cultures. Papayannopoulou T, et al. **J Cell Physiol** 1982;Suppl 1:145–9

Postnatal fetal and adult hemoglobin synthesis is preterm infants whose birth weight was less than 1,000 grams. Bard H, et al. **J Clin Invest** 1982 Jul;70(1):50–2

The switching from hemoglobin F to hemoglobin A formation in man: parallels between the observations in vivo and the findings in erythroid cultures. Stamatoyannopoulos G, et al. **Prog Clin Biol Res** 1981; 55:665–78

Fetal hemoglobin biosynthesis in clonal cell culture. Ogawa M, et al. **Tex Rep Biol Med** 1980–81;40:55–65 (57 ref.)

Structural features of the DNA flanking the human non-alpha globin genes: implications in the control of fetal hemoglobin switching. Forget BG, et al. **Trans Assoc Am Physicians** 1981;94:204–10

GENETICS

Gamma-chain heterogeneity of fetal hemoglobin in nonblack beta- and delta beta- thalassemia and HPFH heterozygotes

and homozygotes. Efremov GD, et al. **Am J Hematol** 1982 Jun;12(4):367–82

The gamma–delta–beta-globin gene region in G gamma–beta +–hereditary persistence of fetal hemoglobin. Balsley JF, et al. **Blood** 1982 Apr;59(4):828–31

Genetic relationship between fetal Hb levels in normal and erythropoietically stressed baboons. DeSimone J, et al. **Br J Haematol** 1981 Oct;49(2):175–83

Greek (A gamma) variant of hereditary persistence of fetal haemoglobin: globin gene organization and studies of expression of fetal haemoglobins in clonal erythroid cultures. Papayannopoulou T, et al. **Br J Haematol** 1982 Mar;50(3):387–99

Base substitutions, length differences and DNA strand asymmetries in the human G gamma and A gamma fetal globin gene region. Smithies O, et al. **Cell** 1981 Nov;26(3 Pt 1):345–53

The nucleotide sequence of the mouse embryonic beta-like y-globin messenger RNA as determined from cloned cDNA. Vanin EF, et al. **Gene** 1981 Dec;16(1–3):141–8

The frequency of the A gamma T gene in the presence and absence of the beta S or beta C gene in the Black population of the Southeastern USA. Huisman TH, et al. **Hemoglobin** 1981;5(5):441–51

The imbalance of chain synthesis in hemoglobin F. Rogers C, et al. **Hemoglobin** 1981;5(6):531–48

Genetic regulation of gamma gene expression: study of the interaction of beta–thalassemia with heterocellular HPFH. Sommer AM, et al. **Hum Genet** 1981;57(4):371–5

A gene deletion ending at the midpoint of a repetitive DNA sequence in one form of hereditary persistence of fetal haemoglobin. Jagadeeswaran P, et al. **Nature** 1982 Apr 1; 296(5856):469–70

Molecular comparison of delta beta–thalassemia and hereditary persistence of fetal hemoglobin DNAs: evidence of a regulatory area? Ottolenghi S, et al. **Proc Natl Acad Sci USA** 1982 Apr;79(7):2347–51

Stochastic expression of fetal hemoglobin in adult erythroid cells. Stamatoyannopoulos G, et al. **Proc Natl Acad Sci USA** 1981 Nov;78(11):7005–9

Gene deletion in hereditary persistence of fetal hemoglobin (HPFH) and delta beta thalassemia. Mears JG. **Tex Rep Biol Med** 1980–81;40:365–72

METABOLISM

Prenatal ontogeny of blood oxygen affinity and its determinants. Bauer C, et al. **Acta Biol Med Ger** 1981; 40(4–5):639–44

Non-enzymatic acetylation of human hemoglobins. Garbutt GJ, et al. **Biochim Biophys Acta** 1981 Sep 29;670(2):190–4

The British type of non-deletion HPFH: characterization of developmental changes in vivo and erythroid growth in vitro. Wood WG, et al. **Br J Haematol** 1982 Mar; 50(3):401–14

Modulation of the oxygen equilibria of human fetal and adult hemoglobins by 2,3-diphosphoglyceric acid. Tomita S. **J Biol Chem** 1981 Sep 25;256(18):9495–500

Presence and possible function of root effect hemoglobins in fishes lacking functional swim bladders. Ingermann RL, et al. **J Exp Zool** 1982 Apr 10;220(2):171–7

Developmental changes in hemoglobin F levels during the first two years of life in normal and heterozygous beta–thalassemia infants. Metaxotou–Mavromati AD, et al. **Pediatrics** 1982 Jun;69(6):734–8

Manipulation of oxygen affinity in the newborn. Stockman JA 3d. **Tex Rep Biol Med** 1980–81;40:457–64 (35 ref.)

FETAL MATURITY, CHRONOLOGIC see **GESTATIONAL AGE**

FETAL MATURITY, FUNCTIONAL see **FETAL ORGAN MATURITY**

FETAL MEMBRANES

Spontaneous labour: when should the membranes be ruptured? Stewart P, et al. **Br J Obstet Gynaecol** 1982 Jan; 89(1):39–43

Physical and chemical properties of fetal membranes: their relation to parity, maternal age, sex and weight of the newborn. Al–Zaid NS, et al. **Eur J Obstet Gynaecol Reprod Biol** 1981 Aug;12(2):71–7

A simple method of preparing chick eggs for chorio–allantoic grafts. McLachlan JC. **Experientia** 1982 Jan 15;38(1):141–2

Intra–allantoic implantation: an alternative to the classical chorioallantoic membrane grafting technique. Krukowski M, et al. **J Exp Zool** 1980 Dec;214(3):365–7

Intrauterine membranes: sonographic findings and clinical significance. Burrows PE, et al. **JCU** 1982 Jan;10(1):1–8

[Method of pulse labeling, with 3H–thymidine, of chick embryos at a late stage of development] Veroman SA. **Arkh Anat Gistol Embriol** 1982 Apr;82(4):70–1 **(Rus)**

ANALYSIS

Prolactin concentration in the fetal membranes in pregnancies with premature rupture of the membranes and control pregnancies. Ron M, et al. **Am J Obstet Gynecol** 1982 Jun 15;143(4):482–3

The fetal membranes as a possible source of progesterone in the amniotic and allantoic fluids of pregnant sheep. Power SG, et al. **Endocrinology** 1982 Feb;110(2):481–6

ANATOMY & HISTOLOGY

Development and phylogenetic significance of the fetal membranes and placenta of the African hystricognathous rodents Bathyergus and Hystrix. Luckett WP, et al. **Am J Anat** 1981 Nov;162(3):265–85

BLOOD SUPPLY

Relationships between nervous component histomorphogenesis of chick embryo spinal ganglia and development of their vascular supply in chorioallantoic grafts. Ambrosi G, et al. **Boll Soc Ital Biol Sper** 1982 Apr 15;58(7):366–70

Synthesis of glycoproteins by endothelial cells in embryonic blood vessels. Ausprunk DH. **Dev Biol** 1982 Mar; 90(1):79–90

Measurement of blood pressure of chick embryo with an implanted needle catheter. Tazawa H. **J Appl Physiol** 1981 Oct;51(4):1023–6

[Severe infantile bleeding from a vasa praevia during application of a fetal electrode following spontaneous rupture of the fetal membranes] Spernol R. **Z Geburtshife Perinatol** 1981 Dec;185(6):364 **(Ger)**

DRUG EFFECTS

[Bioassays of the angiogenic activity of tumor fractions on modified chick embryo chorioallantoic membrane. The absence of angiogenic effects] Aliev MK, et al. **Zh Obshch Biol** 1982 Mar–Apr;43(2):229–42 (Eng. Abstr.) **(Rus)**

ENZYMOLOGY

Proteolytic activity of chorioamniotic membranes. Kammula RK, et al. **Biochem Med** 1982 Jun;27(3):278–85

Prostaglandin forming cyclooxygenase activity in rabbit amnion, yolksac splanchnopleure, placenta, decidua, and uterus at 20 to 30 days gestation. Noden PA, et al. **Biol Reprod** 1981 Jun;24(5):1042–7

Initiation of human parturition: XIII. Phospholipase C, phospholipase A2, and diacylglycerol lipase activities in fetal membranes and decidua vera tissues from early and late gestation. Okazaki T, et al. **Biol Reprod** 1981 Aug; 25(1):103–9

Ultrastructural localization of carbonic anhydrase in the chorioallantoic membrane by immunocytochemistry. Anderson RE, et al. **J Histochem Cytochem** 1981 Oct; 29(10):1121–7

Corticosteroid metabolism in vitro by human placenta, fetal membranes and decidua in early and late gestation. López Bernal A, et al. **Placenta** 1981 Oct–Dec;2(4):279–85

Formation of arachidonate lipoxygenase metabolites by human fetal membranes, uterine decidua vera and placenta. Saeed SA, et al. **Prostaglandins Leukotrienes Med** 1982 Jun; 8(6):635–40

METABOLISM

Metabolism of 3H–dopamine by human chorioamnion in vitro. Phillippe M, et al. **Am J Obstet Gynecol** 1982 Aug 1;143(7):782–7

Role of uteroferrin in iron transport and macromolecular uptake by allantoic epithelium of the porcine conceptus. Ducsay CA, et al. **Biol Reprod** 1982 May;26(4):729–43

Distribution of bovine fetuin and albumin in plasma, allantoic and amniotic fluids during development. Lai PC, et al. **J Reprod Fertil** 1981 Sep;63(1):53–60

Paraplacental passage of 3H–prostaglandin F 2 alpha. Dreher E, et al. **Prostaglandins** 1982 Feb;23(2):215–7

PATHOLOGY

Transepithelial invasion and intramesenchymal infiltration of the chick embryo chorioallantois by tumor cell lines. Armstrong PB, et al. **Cancer Res** 1982 May;42(5):1826–37

Pathology of the placenta, membranes, and umbilical cord in bacterial, fungal, and viral infections in man. Blanc WA. **Monogr Pathol** 1981;(22):67–132 (106 ref.)

PHYSIOLOGY

Morphometric evaluation of chorioallantoic oxygen transport in the chick embryo. Wangensteen D, et al. **Respir Physiol** 1982 Jan;47(1):1–20

ULTRASTRUCTURE

The bovine allantoic and amniotic epithelia. SEM and TEM studies. Tiedemann K. **Anat Embryol (Berl)** 1982; 163(4):403–16

[Light- and electron microscope studies of human fetal membranes. 1. Amnion and intermediate layer] Schmidt W, et al. **Zentralbl Gynakol** 1982;104(7):385–96 (Eng. Abstr.) **(Ger)**

FETAL MEMBRANES, PREMATURE RUPTURE

COMPLICATIONS

Premature rupture of the membranes, oligohydramnios and pulmonary hypoplasia. Fliegner JR, et al. **Aust NZ J Obstet Gynaecol** 1981 May;21(2):77–81

Premature rupture of membranes and preterm labor: neonatal infection and perinatal mortality risks. Daikoku NH, et al. **Obstet Gynecol** 1981 Oct;58(4):417–25

Premature rupture of membranes and spontaneous preterm labor: maternal endometritis risks. Daikoku NH, et al. **Obstet Gynecol** 1982 Jan;59(1):13–20

Chorioamnionitis in the preterm gestation. Garite TJ, et al. **Obstet Gynecol** 1982 May;59(5):539–45

[Premature rupture of fetal membranes] Tomášek J. **Cesk Gynekol** 1981 Sep;46(8):633–43 **(Cze)**

[Premature rupture of membranes, fetal outcome, management of delivery (author's transl)] Huber JC, et al. **Z Geburtshife Perinatol** 1982 Feb;186(1):9–12 (Eng. Abstr.) **(Ger)**

[Severe infantile bleeding from a vasa praevia during application of a fetal electrode following spontaneous rupture of the fetal membranes] Spernol R. **Z Geburtshife Perinatol** 1981 Dec;185(6):364 **(Ger)**

[Premature rupture of the fetal membranes and intrauterine infection] Vincellér M, et al. **Orv Hetil** 1981 Jun 21; 122(25):1499–502 **(Hun)**

[Amniotic band syndrome (author's transl)] Cagini P, et al. **Pediatr Med Chir** 1981 Mar–Jun;3(2–3):203–8 (Eng. Abstr.) **(Ita)**

DIAGNOSIS

Diagnosis of premature rupture of the membranes (PROM). Barber HR. **Diagn Gynecol Obstet** 1982 Spring;4(1):3–4

DRUG THERAPY

Comparison of aggressive and conservative management of premature rupture of fetal membranes. Barrett JM, et al. **Am J Obstet Gynecol** 1982 Sep 1;144(1):12–6

Prospective randomized study of corticosteroids in the management of premature rupture of the membranes and the premature gestation. Garite TJ, et al. **Am J Obstet Gynecol** 1981 Nov 1;141(5):508–15

Intravenous infusion of prostaglandin E2 for management of premature rupture of membranes. Thiery M, et al. **Z Geburtshife Perinatol** 1982 Apr–May;186(2):87–8

[Treatment of dry labour in rupture of membranes by conservative approach (inhibition of uterine contraction) with fenoterol (author's transl)] Conradt A, et al. **Geburtshilfe Frauenheilkd** 1981 Oct;41(10):702–13 (Eng. Abstr.) **(Ger)**

[Risks and benefits of intravenous tocolysis in threatened premature labor with premature membrane rupture] Ruckhäberle KE, et al. **Zentralbl Gynakol** 1981; 103(23):1417–28 (Eng. Abstr.) **(Ger)**

[Partusisten in the treatment of premature rupture of fetal membranes] Woyton J, et al. **Ginekol Pol** 1981 Jan; 52(1):91–6 (Eng. Abstr.) **(Pol)**

ETIOLOGY

Premature rupture of membranes, preterm delivery, and group B streptococcal colonization of mothers. Regan JA, et al. **Am J Obstet Gynecol** 1981 Sep 15;141(2):184–6

Amniocentesis and premature labor [letter] Ledger WJ. **Obstet Gynecol** 1981 Dec;58(6):760–1

Factors that predispose to premature rupture of the fetal membranes. Naeye RL. **Obstet Gynecol** 1982 Jul;60(1):93–8

IMMUNOLOGY

Serum complement activity in pre–term pregnancies: relationship to duration of ruptured membranes and clinical infection. Levy DL, et al. **Am J Reprod Immunol** 1982 Jun;2(3):142–7

METABOLISM

Plasminogen binding by human amniochorion. A possible factor in premature rupture of membranes. Burgos H, et al. **Am J Obstet Gynecol** 1982 Aug 15;143(8):958–63

Prolactin concentration in the fetal membranes in pregnancies with premature rupture of the membranes and control pregnancies. Ron M, et al. **Am J Obstet Gynecol** 1982 Jun 15;143(4):482–3

Glycosaminoglycans and collagen in human amnion from pregnancies with and without premature rupture of the membranes. Skinner SJ, et al. **J Dev Physiol** 1981 Apr; 3(2):111–21

MICROBIOLOGY

Transferable drug resistance in Pseudomonas patients with premature rupture of membranes in Ile–Ife, Nigeria. Sogbanmu MO, et al. **Afr J Med Med Sci** 1980 Mar–Jun; 9(1–2):49–51

Pathogenic bacteria and premature membrane rupture. Jagtap PM, et al. **Indian J Pathol Microbiol** 1981 Oct;24(4):267–72

PATHOLOGY

Full–term and prematurely ruptured fetal membranes. An ultrastructural study. Bou–Resli MN, et al. **Cell Tissue Res** 1981;220(2):263–78

[Premature rupture of the membranes and pathology in the low birth–weight neonate] Bettini F, et al. **Minerva Pediatr** 1981 Nov 30;33(22):1105–10 **(Ita)**

PHYSIOPATHOLOGY

[Premature rupture of amnion—a risk to the low–weight newborn (author's transl)] Frenzel J. **Zentralbl Gynakol**

1982;104(7):433–8 (Eng. Abstr.) (Ger)
[Uterine contractile activity in biocontrolled electrostimulation of labor in premature rupture of fetal membranes] Anisimov KIu, et al. **Akush Ginekol (Mosk)** 1981 Nov;(11):43–5 (Eng. Abstr.) (Rus)

THERAPY

The neonatal significance of selected perinatal events among infants of low birth weight. II. The influence of ruptured membranes. Perkins RP. **Am J Obstet Gynecol** 1982 Jan 1;142(1):7–16
Management of premature rupture of membranes. Meeks GR. **J Miss State Med Assoc** 1982 Jun;23(6):163–6
Premature rupture of the membranes at term. A comparison of induced and spontaneous labors. Kappy KA, et al. **J Reprod Med** 1982 Jan;27(1):29–33
Conservative management of patients with premature rupture of fetal membranes. Graham RL, et al. **Obstet Gynecol** 1982 May;59(5):607–10

FETAL MONITORING

Necrotizing fasciitis of the scalp. A complication of fetal monitoring. Siddiqi SF, et al. **Am J Dis Child** 1982 Mar; 136(3):226–8
The nonstress test: an evaluation of 1,000 patients. Barrett JM, et al. **Am J Obstet Gynecol** 1981 Sep 15;141(2):153–7
Fetal acceleration test. Bishop EH. **Am J Obstet Gynecol** 1981 Dec 15;141(8):905–9
The nonstress test: how long is enough? Brown R, et al. **Am J Obstet Gynecol** 1981 Nov 15;141(6):646–51
Twice-weekly nonstress testing [letter] Dix PM, et al. **Am J Obstet Gynecol** 1982 Apr 15;142(8):1066
The development of fetal acidosis in the presence of an abnormal fetal heart rate tracing. I. The average for gestational age fetus. Fleischer A, et al. **Am J Obstet Gynecol** 1982 Sep 1;144(1):55–60
A prospective multi-institutional study of antepartum fetal heart rate monitoring. I. Risk of perinatal mortality and morbidity according to antepartum fetal heart rate test results. Freeman RK, et al. **Am J Obstet Gynecol** 1982 Aug 1;143(7):771–7
A prospective multi-institutional study of antepartum fetal heart rate monitoring. II. Contraction stress test versus nonstress test for primary surveillance. Freeman RK, et al. **Am J Obstet Gynecol** 1982 Aug 1;143(7):778–81
Fetal monitoring in a community hospital: analysis of health maintenance organization, fee-for-service, and clinic populations. Hall ML, et al. **Am J Obstet Gynecol** 1982 Jun 1;143(3):277–85
Antepartum fetal surveillance in diabetic pregnant patients. Jorge CS, et al. **Am J Obstet Gynecol** 1981 Nov 15; 141(6):641–5
Intrapartum fetal heart rate monitoring. VI. Prognostic significance of accelerations. Krebs HB, et al. **Am J Obstet Gynecol** 1982 Feb 1;142(3):297–305
The effects of bupivacaine and chloroprocaine as local anesthetics for epidural anesthesia of fetal heart rate monitoring parameters. Lavin JP, et al. **Am J Obstet Gynecol** 1981 Nov 15;141(6):717–22
Ten-year experience of intrapartum fetal monitoring in Los Angeles County/University of Southern California Medical Center. Yeh SY, et al. **Am J Obstet Gynecol** 1982 Jul 1; 143(5):496–500
Fetal acid-base monitoring. O'Keeffe DF. **Ariz Med** 1982 Mar;39(3):171–3
The use of antenatal tests of fetal welfare. Morrison J, et al. **Aust Fam Physician** 1982 Feb;11(2):88–93
Intrapartum fetal intensive care: 2-year experience. Kuhn RJ. **Aust NZ J Obstet Gynaecol** 1981 May;21(2):73–6
Cardiotocographic evidence of uterine rupture in labour. Beedham T. **Br J Clin Pract** 1981 May;35(5):197–8
Accelerations in 'intra-partum' cardiotocographic record. IV. Correlation with the presence of a funiculus pathology. Luerti M, et al. **Clin Exp Obstet Gynecol** 1981;8(1):31–3
Betamethasone administration to the mother and problems in foeto-placental monitoring. Rondinelli M, et al. **Clin Exp Obstet Gynecol** 1981;8(4):178–81
Accelerations in 'intra-partum' cardiotocographic record. III. Correlation with meconium staining of amniotic fluid. Stefanoni S, et al. **Clin Exp Obstet Gynecol** 1981;8(1):27–30
Monitoring of fetal scalp pH. Simkovich JW. **Clin Lab Med** 1981 Jun;1(2):215–25
Evaluation of the fetus during labor. Parer JT. **Curr Probl Pediatr** 1982 Apr;12(6):1–58
Utilization of fetal scalp pH and direct fetal electrocardiogram in the intrapartum management of congenital complete heart block in an adolescent primigravida. Katz AR, et al. **J Adolesc Health Care** 1980 Dec;1(2):152–4
The advantages and risks of feto-maternal monitoring. Baumgarten K. **J Perinat Med** 1981;9(6):257–74 (52 ref.)
Problems of antepartal cardiotocography. Halberstadt E, et al. **J Perinat Med** 1982;10(2):63–72 (68 ref.)
Heatflux from the fetus during delivery. Rudelstorfer R, et al. **J Perinat Med** 1981;9(6):311–3
Intrapartum fetal heart rate monitoring in conjoined twins: a case report. Sorosky J, et al. **J Reprod Med** 1982 Feb; 27(2):107–9
Real-time analysis of foetal heart rate patterns using a computer system. Inamoto Y, et al. **Med Biol Eng Comput** 1982 Mar;20(2):223–30
Simultaneous nonstress fetal heart rate testing in twin pregnancy. Devoe LD, et al. **Obstet Gynecol** 1981 Oct; 58(4):450–5
Fetal preejection period. Hawrylyshyn PA, et al. **Obstet Gynecol** 1982 Jun;59(6):747–54 (52 ref.)
Continuous fetal monitoring following third-trimester amniocentesis. Klein SA, et al. **Obstet Gynecol** 1981 Oct; 58(4):444–9
Antenatal fetal heart rate testing in high-risk pregnancies. Löfgren O. **Obstet Gynecol** 1981 Oct;58(4):438–43
Major complications associated with intrauterine pressure monitoring. Madanes AE, et al. **Obstet Gynecol** 1982 Mar; 59(3):389–91
Reactions of women to intrapartum fetal monitoring. Molfese V, et al. **Obstet Gynecol** 1982 Jun;59(6):705–9
[Monitoring control and tocolysis in premature labor using beta-adrenomimetics] Ivanov S. **Akush Ginekol (Sofiia)** 1981;20(5):403–8 (27 ref.) (Bul)
[Monitoring changes in fetal heart rate deceleration in premature labor during tocolysis with the beta-adrenomimetics Partusisten and Pre-par] Ivanov S, et al. **Akush Ginekol (Sofiia)** 1982;21(1):25–7 (Eng. Abstr.) (Bul)
[Fetal movement recording use as a monitor of high risk pregnancy (author's transl)] Zhou MR. **Chung Hua Fu Chan Ko Tsa Chih** 1981 Apr;16(2):69–72 (Chi)
[Cardiotokographic investigation and progesterone levels during induction of labour by prostaglandin E2 tablets (author's transl)] Kulovaný E, et al. **Cesk Gynekol** 1982 May;47(4):243–50 (Eng. Abstr.) (Cze)
[Vacuum extractation. Occurrence, indications and the perinatal condition of the infants after introduction of cardiographic monitoring] Jensen LT, et al. **Ugeskr Laeger** 1982 Apr 5;144(14):1023–5 (Dan)
[Fetal challenge tests and non-stress tests. An analysis and comparison of the possibilities of predicting perinatal problems] Neldam S, et al. **Ugeskr Laeger** 1981 Dec 14; 143(51):3465–9 (Eng. Abstr.) (Dan)
[Intra-uterine sound and fetal auditory perception] Querleu D, et al. **Bull Acad Natl Med (Paris)** 1981 May;165(5):581–8 (Eng. Abstr.) (Fre)
[The count of active fetal movements. Its value in the diagnosis of chronic fetal distress (author's transl)] Benhamou M, et al. **J Gynecol Obstet Biol Reprod (Paris)** 1981;10(5):449–58 (Eng. Abstr.) (Fre)
[Complications of intra-uterine fetal monitoring (author's transl)] Domenichini Y, et al. **J Gynecol Obstet Biol Reprod (Paris)** 1981;10(6):591–6 (Eng. Abstr.) (Fre)
[The cardiotokogram in congenital fetal cardiac abnormalities (author's transl)] Amato M, et al. **Z Geburtshife Perinatol** 1982 Feb;186(1):13–4 (Eng. Abstr.) (Ger)
[The combination of cardiotocographic findings with further criteria of vitality] Dudenhausen JW, et al. **Z Geburtshife Perinatol** 1981 Aug;185(4):240–2 (Ger)
[The cardiotocogram in a woman's emotional experience: aid to more pleasurable experience of delivery or technological bugbear? (author's transl)] Ringler M, et al. **Z Geburtshife Perinatol** 1981 Aug;185(4):236–9 (Eng. Abstr.) (Ger)
[Continuous transcutaneous measurement of pO2 in foetuses - critical appraisal of the method (author's transl)] Bellée H, et al. **Zentralbl Gynakol** 1981;103(23):1452–62 (Eng. Abstr.) (Ger)
[Relationship between cardiotocographic monitoring ans SPI-beta-1-glycoprotein] Catalano D, et al. **Arch Ostet Ginecol** 1980 Sep-Oct;85(5):397–404 (Ita)
[Cardiotocography in a case of anencephaly] Imperiale F, et al. **Minerva Ginecol** 1981 Sep;33(9):825–30 (Ita)
[Accuracy of the diagnosis of umbilical cord pathology as measured by the amplitude of fetal phonocardiogram] Demidov VN, et al. **Akush Ginekol (Mosk)** 1982 Jan; (1):12–4 (Eng. Abstr.) (Rus)
[Clinical value of ultrasonic determination of the fronto-occipital and biparietal diameters of fetal head] Krasin BA, et al. **Akush Ginekol (Mosk)** 1982 Jan;(1):15–6 (Eng. Abstr.) (Rus)
[Monitoring fetal cardiac activity during labor] Savel'eva GM, et al. **Akush Ginekol (Mosk)** 1981 Jun;(6):55–7 (Rus)
[Importance of cardiac monitoring control in the diagnosis of chronic fetal hypoxia using the atropine test during pregnancy] Tsvigun VS, et al. **Akush Ginekol (Mosk)** 1981 Nov;(11):21–3 (Rus)
[Aspects of labor monitoring] Abujatum S, et al. **Rev Chil Obstet Ginecol** 1980;45(1):13–7 (Spa)
[Prenatal cardiotocographic changes in an infant with uncertain gestational age] Löfgren O, et al. **Lakartidningen** 1981 Aug 26;78(35):2960–2 (Swe)

ADVERSE EFFECTS

Intrapartum inoculation of herpes simplex virus by fetal scalp electrode. Goldkrand JW. **Obstet Gynecol** 1982 Feb; 59(2):263–5
[Severe infantile bleeding from a vasa praevia during application of a fetal electrode following spontaneous rupture of the fetal membranes] Spernol R. **Z Geburtshife Perinatol** 1981 Dec;185(6):364 (Ger)

HISTORY

Why fetal monitoring. Goodlin RC. **Semin Perinatol** 1981 Apr;5(2):105–7

INSTRUMENTATION

Doppler ultrasound measurements of human fetal aortic blood flow. Eldridge MW. **Biomed Sci Instrum** 1981; 17:67–72
Fetal electroencephalography using a new, flexible electrode. Weller C, et al. **Br J Obstet Gynaecol** 1981 Oct;88(10):983–6
Comparison of tissue pH monitor with a standard blood pH meter [letter] Antoine C, et al. **Clin Chem** 1981 Dec; 27(12):2070–1
The measurement of fetal movement using a strain-gauge transducer. Berger CS, et al. **IEEE Trans Biomed Eng** 1981 Nov;28(11):788–90
Fetal monitoring in labor by radiotelemetry. Romem Y, et al. **Isr J Med Sci** 1981 Nov;17(11):1079–82
Electronic fetal monitoring. Council on Scientific Affairs. **JAMA** 1981 Nov 20;246(20):2370–3
New phase-lock tracking instrument for foetal breathing monitoring. Rapoport I, et al. **Med Biol Eng Comput** 1982 Jan;20(1):1–6
Microprocessor-based signal averager for analysis of the foetal e.c.g. Wickham PJ. **Med Biol Eng Comput** 1982 Mar; 20(2):253–6
[The instrument monitored birth] Hochuli E. **Ther Umsch** 1981 Oct;38(10):1032–9 (Eng. Abstr.) (Ger)
[BMT 9141—new foetal monitor (author's transl)] Hofmann P, et al. **Zentralbl Gynakol** 1981;103(18):1081–8 (Eng. Abstr.) (Ger)
[Electronics in an obstetrical service] Scharner V. **Med Tekh** 1981 Jul-Aug;(4):59–60 (Rus)

METHODS

Predictive value of a single unstressed antepartum cardiotocogram in apparently uncomplicated pregnancy. Introduction of a new cardiotocography score. Lenstrup C. **Acta Obstet Gynecol Scand** 1982;61(2):177–82
The relation of electronic fetal monitoring patterns to infant outcome measures in a random sample of term size infants born to high risk mothers. Murphy JR, et al. **Am J Epidemiol** 1981 Oct;114(4):539–47
Antepartum testing in postterm pregnancy [letter] Ingardia CJ. **Am J Obstet Gynecol** 1982 May 1;143(1):113–4
Intrapartum fetal heart rate monitoring. VII. The impact of mode of delivery on fetal outcome. Krebs HB, et al. **Am J Obstet Gynecol** 1982 May 15;143(2):190–4
Continuous transcutaneous oxygen monitoring in fetal surveillance during labor. Löfgren O. **Am J Obstet Gynecol** 1981 Dec 1;141(7):729–34
A controlled trial of fetal heart rate monitoring in a low-risk obstetric population. Wood C, et al. **Am J Obstet Gynecol** 1981 Nov 1;141(5):527–34
A prospective assessment of tests of fetoplacental function. McDowell DR, et al. **Ann Clin Biochem** 1982 Jan;19(Pt 1):12–6
Non-stress antenatal cardiotocography in high risk pregnancy. Kuhn, RJ. **Asia Oceania J Obstet Gynaecol** 1982 Mar;8(1):73–9
Influence of variations in pH and PCO2 on scalp tissue oxygen tension and carotid arterial oxygen tension in the fetal lamb. Aarnoudse JG, et al. **Biol Neonate** 1981; 40(5-6):252–63
Homomorphic deconvolution applied to foetal heart rate signals. Hernández C. **Biomed Tech (Berlin)** 1982 May; 27(5):118–23
An assessment of radiotelemetry in the monitoring of labour. Calvert JP, et al. **Br J Obstet Gynaecol** 1982 Apr; 89(4):285–91
Oxytocin-stressed and unstressed cardiotocograms for the prediction of fetal compromise. Homburg R, et al. **Br J Obstet Gynaecol** 1982 Jul;89(7):516–9
The reproducibility of intrapartum cardiotocogram assessments. Beaulieu MD, et al. **Can Med Assoc J** 1982 Aug 1;127(3):214–6
Usefulness of cardiotocography in expulsion period. Mega M, et al. **Clin Exp Obstet Gynecol** 1981;8(3):111–3
Computation of short-term fetal heart-rate variability from heart-rate waveforms. Saini VD, et al. **Comput Biol Med** 1982;12(2):81–6
Continuous transcutaneous oxygen monitoring in the fetus during labor. Löfgren O. **Crit Care Med** 1981 Oct; 9(10):698–701
Evaluation of various monitoring techniques in late pregnancy to detect poor intrauterine fetal growth. Pavelka R, et al. **Gynecol Obstet Invest** 1982;13(2):65–75
Fetal electrocardiogram enhancement by time-sequenced adaptive filtering. Ferrara ER, et al. **IEEE Trans Biomed Eng** 1982 Jun;29(6):458–60
Application of heart rate variability analysis of detect foetal distress. Patil N, et al. **Indian J Med Res** 1982 Mar; 75:366–71
Antenatal evaluation of FHR accelerations associated with fetal movements. Sadovsky E, et al. **Int J Gynaecol Obstet** 1981 Dec;19(6):441–5
Clinical experience in non-stressed antepartum cardiotocography in high-risk pregnancies. Varma TR. **Int J Gynaecol Obstet** 1981 Dec;19(6):433–9
Electronic fetal monitoring during labor. Kurse J. **J Fam Pract** 1982 Jul;15(1):35–42

A contribution to the monitoring of fetal arrhythmias. Boos R, et al. **J Perinat Med** 1982;10(2):85–92
The monitoring of labor by telemetry. Haukkamaa M, et al. **J Perinat Med** 1982;10(1):17–22
Physiological insights based on fetal tcPO2 monitoring. Huch A, et al. **J Perinat Med** 1981;9(4):184–8
Antepartal analysis of fetal heart rate variability by abdominal electrocardiography. Kariniemi V, et al. **J Perinat Med** 1982;10(2):114–8
Antepartum fetal surveillance in the 1980's. Petrie RH. **J Perinat Med** 1981;9(4):162–4
Fetal scalp blood analysis. Saling E. **J Perinat Med** 1981; 9(4):165–77
Continuous fetal tissue pH monitoring in labor. Young BK. **J Perinat Med** 1981;9(4):189–94
Nonstress test prediction of fetal status. Gandhi J, et al. **J Reprod Med** 1982 Feb;27(2):80–8
A review of the nonstress test. Knuppel RA, et al. **J Reprod Med** 1982 Mar;27(3):120–6
Electronic fetal monitoring [letter] **JAMA** 1982 May 14; 247(18):2499–500
Patient control during labor. Effects of two types of fetal monitors. Hodnett E. **JOGN Nurs** 1982 Mar–Apr; 11(2):94–9
On processing of Doppler returns from the foetal heart: an electronic processing method for extraction of valvular timing information. Cousin AJ. **Med Biol Eng Comput** 1981 Jan;19(1):1–10
Improvement in Doppler ultrasound human foetal heart rate records by signal correlation. Tuck DL. **Med Biol Eng Comput** 1982 May;20(3):357–600
Serial first morning estriol determinations in evaluating the high-risk obstetric patient. Seibel MM, et al. **Obstet Gynecol** 1982 Jan;59(1):27–32
Intrapartum fetal monitoring in preterm deliveries: prospective study. Westgren M, et al. **Obstet Gynecol** 1982 Jul;60(1):99–106
Fetal monitoring in pregnancy and labour. Godfrey KA. **Practitioner** 1981 Sep;225(1359):1253–9
[Telemetric transmission of fetal cardiac rhythm in monitoring high risk pregnancies (author's transl)] Crépin G, et al. **J Gynecol Obstet Biol Reprod (Paris)** 1981; 10(8):797–806 (Eng. Abstr.) **(Fre)**
[Experiences in the assessment of the subpartal cardiotocogram (author's transl)] Bögelspacher HR, et al. **Geburtshilfe Fraunheilkd** 1981 Oct;41(10):714–7 (Eng. Abstr.) **(Ger)**
[The individual termination as a function of growth and maturation of the fetus (author's transl)] Bolte A. **Ther Umsch** 1981 Oct;38(10):993–1001 (Eng. Abstr.) **(Ger)**
[Obstetrics today: undivided attention paid to mother and child (author's transl)] Zander J. **Ther Umsch** 1981 Oct; 38(10):940–3 (Eng. Abstr.) **(Ger)**
[Suspicion in rupture of the uterus even by external routine cardiotokogram? (author's transl)] Bernaschek G. **Z Geburtshife Perinatol** 1981 Oct;185(5):296–7 (Eng. Abstr.) **(Ger)**
[Intrapartum tcpO2 measurement (author's transl)] Krause W, et al. **Zentralbl Gynakol** 1982;104(9):555–62 (Eng. Abstr.) **(Ger)**
[Fetal movements and ultrasonics] Mattone PG, et al. **Minerva Ginecol** 1982 Apr;34(4):255–8 **(Ita)**
[Fetal growth assessment by the real-time ultrasono-tomography (author's transl)] Asada M. **Acta Obstet Gynaecol Jpn** 1981 Jul;33(7):996–1004 (Eng. Abstr.) **(Jpn)**
[A study on oxytocin challenge test of the fetus with quantitative tocodynamometry determined by contraction index (author's transl)] Sawazumi K. **Acta Obstet Gynaecol Jpn** 1981 Jul;33(7):987–95 (Eng. Abstr.) **(Jpn)**
[Biotelemetry for obstetrics and gynecology. (B) Biotelemetry of fetal signals (author's transl)] Hogaki M, et al. **Iyodenshi To Seitai Kogaku** 1980 Dec;18(7):519–25 (55 ref.) **(Jpn)**
[Automatic data processing of the fetal heart rate] Sawazumi K. **Iyodenshi To Seitai Kogaku** 1981 Sep;19(5):391–2 **(Jpn)**
[Biotelemetry for obstetrics and gynecology. (A) Transmission of fetal informations via telephone line (author's transl)] Tsumuji Y, et al. **Iyodenshi To Seitai Kogaku** 1980 Dec;18(7):515–8 **(Jpn)**
[Fetal photoplethysmography as a diagnostic parameter for fetal distress in pregnant rabbits (author's transl)] Migita M. **Nippon Sanka Fujinka Gakkai Zasshi** 1982 Jan; 34(1):109–14 (Eng. Abstr.) **(Jpn)**
[An evaluation of fetal movement during non stress testing (author's transl)] Sakakibara S, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1981 Dec; 33(12):2026–32 (Eng. Abstr.) **(Jpn)**
[Role of cardiotachography in the diagnosis of the severity of chronic fetal anoxia during pregnancy] Got'e ES, et al. **Akush Ginekol (Mosk)** 1982 Jan;(1):9–12 (Eng. Abstr.) **(Rus)**
[Biparietal-parietococcygeal ratio as a reference parameter during ultrasonic fetal monitoring in the 1st half of pregnancy] Kodai I, et al. **Akush Ginekol (Mosk)** 1982 May; (5):52–3 **(Rus)**
[Endocrinological criteria in evaluation of the state of the fetus] Travianko TD, et al. **Akush Ginekol (Mosk)** 1982 Jan;(1):56–8 **(Rus)**

STANDARDS

Fetal heart monitoring: a systems view [letter] Royston GH. **Lancet** 1982 Apr 10;1(8276):861

TRENDS

The future of fetal heart rate monitoring. Miller FC. **J Perinat Med** 1981;9(4):178–83

VETERINARY

Fetal heart rate monitoring using repeater telemetry methods. Weeks RW, et al. **Biomed Sci Instrum** 1981;17:125–8

FETAL ORGAN MATURITY

Which fetal maturity studies should I use? Morrison JC, et al. **Ala J Med Sci** 1982 Jan;19(1):50–4
The relationship of amniotic fluid fluorescence polarization to neonatal lung function. Cavalieri RL, et al. **Am J Obstet Gynecol** 1981 Nov 15;141(6):652–7
Assessment of fetal maturity by amniotic fluid analysis: a retrospective and prospective study. Chow CL, et al. **Am J Obstet Gynecol** 1981 Oct 15;141(4):466–7
The correlation of ultrasonic placental grading and fetal pulmonary maturation in five hundred sixty-three pregnancies. Harman CR, et al. **Am J Obstet Gynecol** 1982 Aug 15;143(8):941–3
Ultrasonic placental grading and fetal pulmonary maturity. Quinlan RW, et al. **Am J Obstet Gynecol** 1982 Jan 1; 142(1):110–1
Metabolic events associated with the preparation of the fetus for independent life. Jones CT, et al. **Ciba Found Symp** 1981;86:214–33
Epidermal growth factor: a critical factor in fetal maturation? Thorburn GD, et al. **Ciba Found Symp** 1981;86:172–98
Microviscosity of amniotic fluid as an index of fetal lung maturity [letter] Elser RC, et al. **Clin Chem** 1982 May; 28(5):1234–5
Problems of evaluating fetal lung maturity by means of the fluorescence polarization of amniotic fluid [letter] Gebhardt DO. **Clin Chem** 1982 Mar;28(3):552
Methods of evaluating fetal lung maturity. Brown LM, et al. **CRC Crit Rev Clin Lab Sci** 1982;16(2):85–159 (387 ref.)
Surfactants, L/S ratio, amniotic fluid optical density and fetal pulmonary maturity. Sbarra AJ, et al. **J Reprod Med** 1982 Jan;27(1):34–8
Diagnostic reliability of the lecithin/sphingomyelin ratio assay and the quantitative foam stability index test: results of a comparative study. Sher G, et al. **J Reprod Med** 1982 Feb;27(2):51–5
Determination of fetal lung maturity from amniotic fluid microviscosity in high-risk pregnancy. Barkai G, et al. **Obstet Gynecol** 1982 May;59(5):615–23
Light and electron microscopic correlation of human amniotic fluid cells in late pregnancy. Bergström S, et al. **Obstet Gynecol** 1982 Feb;59(2):176–81
Sex differences in fetal rabbit pulmonary surfactant production. Nielsen HC, et al. **Pediatr Res** 1981 Sep; 15(9):1245–7
The thromboplastic activity of lung surfactant in amniotic fluid and its application to prenatal assessment of fetal lung maturity. Higuchi M, et al. **Tohoku J Exp Med** 1981 Mar; 133(3):267–73
[Assessment of maturity of the foetus by means of OD 650 (author's transl)] Bošek V, et al. **Cesk Gynekol** 1982 Jun; 47(5):358–63 **(Cze)**
[The importance of the endogenous glucocorticoids in the development of foetal pulmonary maturity (author's transl)] Szabó I, et al. **Z Geburtshife Perinatol** 1980 Oct; 184(5):350–2 (Eng. Abstr.) **(Ger)**
[Normal fetal head growth curve, by sequential measurement of the biparietal diameter by ultrasonography] Zamora Orozco J, et al. **Ginecol Obstet Mex** 1981 Mar; 49(293):139–51 (Eng. Abstr.) **(Spa)**
[Correlation of echographic maturity of the placenta and clements test in fetal high risk] Klein F, et al. **Rev Chil Obstet Ginecol** 1980;45(3):117–21 (Eng. Abstr.) **(Spa)**

DRUG EFFECTS

Fetal lung maturation assessment after administration of glucocorticoid. Henderson-Smart DJ, et al. **Med J Aust** 1981 Nov 14;2(10):535–6
Effects of estrogen on fetal rabbit lung maturation: morphological and biochemical studies. Khosla SS, et al. **Pediatr Res** 1981 Sep;15(9):1274–81
[The influence of beta-mimetics on foetal pulmonary maturing (author's transl)] Huber JC, et al. **Z Geburtshife Perinatol** 1981 Aug;185(4):223–6 (Eng. Abstr.) **(Ger)**
[Pharmacologic influencing of fetal phospholipid synthesis. Part IV: influencing the DPL(dipalmitoyl-lecithin) content of fetal lung by betamethasone (author's transl)] Krieglsteiner P, et al. **Z Geburtshife Perinatol** 1980 Oct; 184(5):343–9 (Eng. Abstr.) **(Ger)**
[Changes in fetal lung maturity after maternal treatment with glucocorticoids] Gherzi R, et al. **Minerva Ginecol** 1979 Nov;31(11):815–20 (Eng. Abstr.) **(Ita)**

FETAL PRESENTATION see **LABOR PRESENTATION**

FETAL RESORPTION see under **FETAL DEATH**

FETAL TRANSFUSION see **BLOOD TRANSFUSION, INTRAUTERINE**

FETAL VIABILITY

The association of H-2 haplotype with implantation, survival, and growth of murine embryos. Melnick M, et al. **Immunogenetics** 1981;14(3–4):303–8
Life support and maternal death during pregnancy. Dillon WP, et al. **JAMA** 1982 Sep 3;248(9):1089–91
Brain death and live birth [editorial] Siegler M, et al. **JAMA** 1982 Sep 3;248(9):1101–2
Maternal brain death: an ethicist's thoughts [editorial] Veatch RM. **JAMA** 1982 Sep 3;248(9):1102–3
Fetal growth and perinatal viability in California. Williams RL, et al. **Obstet Gynecol** 1982 May;59(5):624–32
Detection of a live fetus in cattle using Doppler-ultrasound. Richardson C, et al. **Vet Rec** 1981 Sep 26;109(13):286–7

FETISHISM (PSYCHIATRIC) see under **PARAPHILIAS**

FETOFETAL TRANSFUSION

COMPLICATIONS

Twin-to-twin transfusion: cause of increased pulmonary vasculature in the newborn. Ashley WE, et al. **AJR** 1981 Sep;137(3):617–8
Hyperbilirubinemia secondary to delayed absorption of intraperitoneal blood following intrauterine transfusion. Wright K, et al. **J Pediatr** 1982 Feb;100(2):302–4

DIAGNOSIS

Fetofetal transfusion syndrome: prenatal ultrasonographic diagnosis. Brennan JN, et al. **Radiology** 1982 May; 143(2):535–6

MORTALITY

[Fetofetal transfusion in monozygotic twins] Khodasevich LS, et al. **Pediatriia** 1981 Nov;(11):24–6 (Eng. Abstr.) **(Rus)**

PHYSIOPATHOLOGY

[Hypervolemia and hypovolemia caused by twin-to-twin transfusion] Hernández Serrano RA, et al. **An Esp Pediatr** 1981 Oct;15(4):397–400 **(Spa)**

THERAPY

[Twin transfusion syndrome, a report of six twin pregnancies (author's transl)] Liu XG. **Chung Hua Fu Chan Ko Tsa Chih** 1981 Apr;16(2):112–4 **(Chi)**

FETOMATERNAL TRANSFUSION

Isoimmunization in pregnancy. **Clin Obstet Gynecol** 1982 Jun; 25(2):241–350
[Feto-maternal transfusion with severe fetal anaemia. A case report (author's transl)] Neeb U. **Geburtshilfe Fraunheilkd** 1982 Mar;42(3):213–4 (Eng. Abstr.) **(Ger)**
[3 cases of massive transplacental hemorrhage] De Luca P, et al. **Arch Ostet Ginecol** 1980 Sep–Oct;85(5):495–501 **(Ita)**
[3 cases of massive transplacental hemorrhage. Preventive note] De Luca P, et al. **Minerva Ginecol** 1980 Dec; 32(12):1182–4 **(Ita)**

BLOOD

A comparison of acid-elution techniques and alpha-fetoprotein levels for the detection of fetomaternal bleeding. Chamberlain EM, et al. **Am J Obstet Gynecol** 1982 Aug 15;143(8):912–7
Utilization of specific mixed agglutination in a case of apparent fetomaternal hemorrhage. LaFerla JJ, et al. **Am J Obstet Gynecol** 1981 Nov 1;141(5):581–2
Persistent hemoglobin F in donor blood may give falsely elevated acid-elution test in Rh-negative patient. Stropnicky EM, et al. **Am J Obstet Gynecol** 1982 Jan 1; 142(1):109–10
[Detection and determination of fetomaternal hemorrhage in pregnancy] Potasman I, et al. **Harefuah** 1981 Jun 1; 100(11):511–4 (Eng. Abstr.) **(Heb)**

COMPLICATIONS

Monoamniotic twin pregnancy complicated by massive fetal-maternal haemorrhage. Verco CJ, et al. **Aust NZ J Obstet Gynaecol** 1981 Aug;21(3):186–7
The use of Rh-immune globulin. Kochenour NK, et al. **Clin Obstet Gynecol** 1982 Jun;25(2):283–91
[Sinusoidal fetal heart rate pattern indicating severe anemia due to fetomaternal transfusion (author's transl)] Richter R. **Z Geburtshife Perinatol** 1982 Apr–May;186(2):104–7 (Eng. Abstr.) **(Ger)**

DIAGNOSIS

Evaluation of methods for detection and quantitation of fetal cells and their effect on RhIgG usage. Polesky HF, et al. **Am J Clin Pathol** 1981 Oct;76(4 Suppl):525–9
The assessment of fetal-maternal hemorrhage by an

enzyme-linked antiglobulin test for Rh immune globulin recipients. Ness PM. **Am J Obstet Gynecol** 1982 Aug 1; 143(7):788–92

Detection of fetomaternal hemorrhage [letter] Krauss JS. **Arch Pathol Lab Med** 1982 Aug;106(8):423

Tests to detect and quantitate fetomaternal bleeding. Scott JR, et al. **Clin Obstet Gynecol** 1982 Jun;25(2):277–82

ETIOLOGY

[Foetomaternal transfusions after amniocentesis in early pregnancy – evaluation of 1,000 cases (author's transl)] Schmidt W, et al. **Z Geburtshife Perinatol** 1980 Oct; 184(5):359–65 (Eng. Abstr.) **(Ger)**

FETOPLACENTAL FUNCTION TESTS see **PLACENTAL FUNCTION TESTS**

FETOSCOPY see under **PRENATAL DIAGNOSIS**

FETUINS see **ALPHA FETOPROTEINS**

FETUS

see related
GESTATIONAL AGE
MATERNAL-FETAL EXCHANGE

Fetus-in-fetu. Nocera RM, et al. **AJR** 1982 Apr;138(4):762–4

Prolonged intrauterine retention of fetal bones after abortion causing infertility. Dawood MY, et al. **Am J Obstet Gynecol** 1982 Jul 15;143(6):715–7

Fetal weight estimation by real-time ultrasound measurement of biparietal and transverse trunk diameter. Dornan KJ, et al. **Am J Obstet Gynecol** 1982 Mar 15;142(6 Pt 1):652–7

Prediction of intrauterine fetal weight using real-time ultrasound. Sampson MB, et al. **Am J Obstet Gynecol** 1982 Mar 1;142(5):554–6

Circulatory effects of chemical sympathectomy in fetal, neonatal, and adult sheep. Tabsh K, et al. **Am J Physiol** 1982 Jul;243(1):H113–22

Roots of attachment: the relationship of parents with their unborn. Cranley MS. **Birth Defects** 1981;17(6):59–83

Fetal dermatoglyphics. Katznelson MB, et al. **Clin Genet** 1982 Apr;21(4):237–42

Asymmetric distribution of male and female foetuses in the pregnant rabbit uterus. YoungLai EV, et al. **Experientia** 1981 Jul 15;37(7):690–1

Forced cesareans: the most unkindest cut of all. Annas GJ. **Hastings Cent Rep** 1982 Jun;12(3):16–7, 45

Problem of abnormal fetal position. Kurtz AB, et al. **JAMA** 1982 Jun 18;247(23):3251–2

Does the fetus think? [letter] Lauersen NH, et al. **JAMA** 1982 Jun 18;247(23):3184–5

Scanning electron microscopic study of normal human glomerulogenesis and of fetal glomeruli in congenital nephrotic syndrome of the Finnish type. Autio-Harmainen H, et al. **Kidney Int** 1981 Dec;20(6):747–52

Profile of a battered fetus [letter] Morey MA, et al. **Lancet** 1981 Dec 5;2(8258):1294–5

Selective birth in twin pregnancy [letter] **N Engl J Med** 1981 Nov 12;305(20):1218–9

When does a fetus become a human being? Goldenring JM. **N Engl J Med** 1982 Aug 26;307(9):564

Development of a tool for the measurement of maternal attachment during pregnancy. Cranley MS. **Nurs Res** 1981 Sep–Oct;30(5):281–4

Fetal versus maternal rights [letter] Owens WL. **Obstet Gynecol** 1982 May;59(5):666–7

Unborn: historical perspective of the fetus as a patient. Harrison MR. **Pharos** 1982 Winter;45(1):19–24

A methodological approach to the development of epidermal ridges viewed on the dermal surface of fetuses. Okajima M. **Prog Clin Biol Res** 1982;84:175–88

Lithopaedion: a case report with ultrasound scan. Lim SM. **Singapore Med J** 1981 Oct;22(5):308–10

Trauma in the pregnant patient. Baker DP. **Surg Clin North Am** 1982 Apr;62(2):275–89

The effect of embryonal and early fetal calf thymuses on blood changes and well-being in human beings. Czaplicki J, et al. **Thymus** 1982 Feb;4(2):115–7

[Preliminary inquiries into the methods for prediction of fetal sex (author's transl)] Qi HW. **Chung Hua Fu Chan Ko Tsa Chih** 1981 Apr;16(2):108–11 **(Chi)**

[The level of testosterone, delta 4-androstenedione, and S-DHA in liquor and fetal sex (author's transl)] Merger C, et al. **J Gynecol Obstet Biol Reprod (Paris)** 1981; 10(6):567–72 (Eng. Abstr.) **(Fre)**

[Fetal organ donors: pregnancy termination to acquire organs?] Piechowiak H. **Med Welt** 1981 Nov 20; 32(47):1799–801 **(Ger)**

[Radiation load during extraction of IUP's in pregnancy under x-ray control (author's transl)] Kronholz HL, et al. **ROFO** 1982 Mar;136(3):328–30 **(Ger)**

[Hydatidiform mole with a coexistent fetus (case report)] Wunderlich M. **Z Arztl Fortbild (Jena)** 1981 May 15; 75(10):477–8 **(Ger)**

[Prognostication of foetal weight by means of ultrasonic foetometry. Study into accuracy of various formulae and analysis of error sources (author's transl)] Miller EC. **Zentralbl Gynakol** 1981;103(18):1089–106 (Eng. Abstr.) **(Ger)**

[Who has the responsibility for the unborn?] **Lakartidningen** 1981 Sep 9;78(37):3131–41 **(Swe)**

ANALYSIS

Placental and fetal composition during the last trimester of gestation in the rat. Greizerstein HB. **Biol Reprod** 1982 Jun;26(5):847–53

Is glucagon present in the human gastric fundus? Ito S, et al. **Horm Metab Res** 1981 Aug;13(8):419–22

Effects of fasting during pregnancy on maternal and fetal weight and body composition in well-nourished and undernourished rats. Lederman SA, et al. **J Nutr** 1981 Oct; 111(10):1823–32

Estrogen binding properties of a haptoglobin-hemoglobin complex isolated from human fetus. Mucchielli A. **J Steroid Biochem** 1982 Jun;16(6):713–6

Immunohistochemical characterization of renin-containing cells in the human juxtaglomerular apparatus during embryonal and fetal development. Phat VN, et al. **Lab Invest** 1981 Nov;45(5):387–90

Bombesin-like immunoreactivity in developing human lung. Track NS, et al. **Life Sci** 1982 May 3;30(18):1553–6

Positional specificity of trans fatty acids in fetal lecithin. Moore CE, et al. **Lipids** 1981 Jul;16(7):479–84

An immunohistochemical study of a series of plasma proteins in the early human conceptus. Jacobsen GK, et al. **Oncodev Biol Med** 1981;2(6):399–410

Purification and characterization of a haptoglobin-hemoglobin complex isolated from human fetuses. Mucchielli A, et al. **Oncodev Biol Med** 1981; 2(6):371–80

Insulin receptors in the fetal rat lung. A transient characteristic of fetal cells? Sodoyez-Goffaux FR, et al. **Pediatr Res** 1981 Sep;15(9):1303–7

Quantification of endogenous testosterone and dihydrotestosterone in fetal tissues from male guinea-pig. Rigaudière N. **Steroids** 1981 Aug;38(2):185–94

Fibrinogen – fibrin transformation. Part III. Particularities for fœtal fibrinogen. Müller M, et al. **Thromb Res** 1981 Nov 15;24(4):339–46

[Experimental examinations on total DDT residues (p,p'DDT + p,p'-DDE) in fetuses and placentas] Thielemann H, et al. **Z Gesamte Hyg** 1982 Feb;28(2):120–1 (Eng. Abstr.) **(Ger)**

[Biorhythm of oxygen tension in uterine and fetal tissues] Chizhov AIa, et al. **Biull Eksp Biol Med** 1981 Oct; 91(10):392–4 (Eng. Abstr.) **(Rus)**

[Localization of amniotic alpha 1-globulin in tissues of the human fetus] Kalashnikov VV, et al. **Biull Eksp Biol Med** 1982 Mar;93(3):68–70 **(Rus)**

[Frequency of rare electrophoretic protein variants among spontaneous human abortuses] Altukhov IuP, et al. **Dokl Akad Nauk SSSR** 1982;262(4):982–5 **(Rus)**

[Immunochemical study of the embryonal prealbumin-2 (EPA-2) in embryonal and adult human tissues] Kalashnikov VV, et al. **Vopr Med Khim** 1981 Mar–Apr; 27(2):259–61 (Eng. Abstr.) **(Rus)**

ANATOMY & HISTOLOGY

Some aspects of the innervation of the abdominal and pelvic organs in the human female fetus. Baljet B, et al. **Acta Anat (Basel)** 1982;111(3):222–30

The connective tissue of the female fetal pelvic region. De Blok S. **Acta Morphol Neerl Scand** 1982 Mar;20(1):65–90

Clinical evaluation of two formulas for ultrasonic estimation of fetal weight. Eik-Nes SH, et al. **Acta Obstet Gynecol Scand** 1981;60(6):567–73

Fetal head circumference: relation to menstrual age. Hadlock FP, et al. **AJR** 1982 Apr;138(4):649–53

Fetal abdominal circumference as a predictor of menstrual age. Hadlock FP, et al. **AJR** 1982 Aug;139(2):367–70

Biparietal and fetal body diameters [letter] Jeanty P. **AJR** 1982 Jan;138(1):181

Fetal and neonatal rat intestinal capillaries: a TEM study of changes in the mural structure. Milici AJ, et al. **Am J Anat** 1981 Apr;160(4):435–48

Ultrastructural stereologic analysis of fetal rabbit type II alveolar epithelial cells following maternal pilocarpine treatment or fasting. Smith DM, et al. **Anat Rec** 1982 Jan; 202(1):23–31

Segi's cap, a large aggregation of endocrine cells on the intestinal villi, occurs also in cattle and pig fetuses. Yamada J, et al. **Arch Histol Jpn** 1981 May;44(2):193–7

Ethnic considerations in ultrasonic scanning of fetal biparietal diameters. Walton SM. **Aust NZ J Obstet Gynaecol** 1981 May;21(2):82–4

A rigorous comparison of real time and B scan cephalometry. Davies P, et al. **Br J Obstet Gynaecol** 1981 Dec; 88(12):1223–8

Rapid isolation of intact, viable fetal cartilage models. Schmidt RR, et al. **Clin Orthop** 1982 Apr;(164):287–92

Ultrasound in obstetrics. Miller JM Jr, et al. **Compr Ther** 1982 Jun;8(6):53–8

Ultrasonographic evaluation of normal fetal anatomy and congenital malformations. Yiu-Chiu V, et al. **CT** 1981 Nov; 5(5):367–510

Placental function, fetal distress, and the fetal/placental weight ratio in normal and gestotic pregnancies. Riss P, et al. **Int J Biol Res Pregnancy** 1982;3(1):10–3

A method for studying the skeleton of human fetuses. David TJ. **J Med Genet** 1981 Aug;18(4):262

An ultrastructural analysis of the developing enteric nervous system of the guinea-pig small intestine. Gershon MD, et al. **J Neurocytol** 1981 Apr;10(2):271–96

Effects of obesity, food restriction and pregnancy on fetal and maternal weight and on body composition in rats. Lederman SA, et al. **J Nutr** 1981 Dec;111(12):2162–71

The intra-uterine position of canine foetuses and their sequence of expulsion at birth. van der Weyden GC, et al. **J Small Anim Pract** 1981 Aug;22(8):503–10

Influence of intrauterine position on fetal weight in Dutch belted rabbits. Stuckhardt JL, et al. **J Toxicol Environ Health** 1981 Nov–Dec;8(5–6):777–86

Ultrasonography of the normal and pathologic fetal skeleton. Filly RA, et al. **Radiol Clin North Am** 1982 Jun; 20(2):311–23

Ultrasound evaluation of the normal and abnormal fetal neural axis. Fiske CE, et al. **Radiol Clin North Am** 1982 Jun;20(2):285–96

Normal fetal anatomy. Hattan RA, et al. **Radiol Clin North Am** 1982 Jun;20(2):271–84

Fetal ocular biometry by ultrasound. Jeanty P, et al. **Radiology** 1982 May;143(2):513–6

A longitudinal study of fetal biparietal diameter measurements in Chinese women. Lim C, et al. **Singapore Med J** 1981 Oct;22(5):305–7

[Computer-aided Ball cephalopelvimetry (author's transl)] Song ZQ. **Chung Hua Fang She Hsueh Tsa Chih** 1981 May; 15(2):107–10 **(Chi)**

[Study on uterine cervical reserve cell (II) (author's transl)] Zhang YJ. **Chung Hua Fu Chan Ko Tsa Chih** 1982 Apr; 17(2):68–70 **(Chi)**

[Ultrasonic diagnosis in perinatology] Suk V, et al. **Cesk Pediatr** 1981 Aug;36(8):433–7 (Eng. Abstr.) **(Cze)**

[Sonographic biometry of the fetus-crown-rump-length in the first half of pregnancy] Schmidt W, et al. **Z Geburtshife Perinatol** 1981 Dec;185(6):327–35 (Eng. Abstr.) **(Ger)**

[Fetal biometry by means of ultrasonography in twin pregnancies] Di Meglio A, et al. **Arch Ostet Ginecol** 1980 Jul–Aug;85(4):289–95 (Eng. Abstr.) **(Ita)**

[Correlation between fetal abdominal longitudinal and lateral diameters and the baby's weight on discharge (author's transl)] Kuroda K, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1982 Jan;34(1):30–6 (Eng. Abstr.) **(Jpn)**

[On the course of the crossed pyramidal fibers in cat fetus (author's transl)] Sakai H. **No To Shinkei** 1981 Dec; 33(12):1221–6 (Eng. Abstr.) **(Jpn)**

[Biparietal-parietococcygeal ratio as a reference parameter during ultrasonic fetal monitoring in the 1st half of pregnancy] Kodai I, et al. **Akush Ginekol (Mosk)** 1982 May; (5):52–3 **(Rus)**

[Histochemical observations in the papillary development of the rumen] Vallejos Escobar R, et al. **Acta Cient Venez** 1980;31(4):365–70 (Eng. Abstr.) **(Spa)**

[Fetal cephalometry by ultrasonics] Gómez C, et al. **Rev Chil Obstet Ginecol** 1979;44(3):109–15 (Eng. Abstr.) **(Spa)**

[Critical judgement and evaluation of the biparietal diameter and gestational age] Rodríguez N, et al. **Rev Chil Obstet Ginecol** 1979;44(3):94–9 (Eng. Abstr.) **(Spa)**

[Estimate of fetal weight by measuring the abdominal circumference] Rodríguez N, et al. **Rev Chil Obstet Ginecol** 1979;44(3):89–93 (Eng. Abstr.) **(Spa)**

[Gestational age and real-time echography. I. Analysis of crown-rump length and parietal diameter in the first 2 trimesters of pregnancy] Schnapp C, et al. **Rev Chil Obstet Ginecol** 1979;44(5):226–32 (Eng. Abstr.) **(Spa)**

CYTOLOGY

Transfer, tissue localization and proliferation of fetal cells in pregnant mice. Philip PJ, et al. **Immunol Lett** 1982 Mar; 4(3):175–8

Phagocytosis in the fetal pigment epithelium: evidence for cyclic activity. Huang PT, et al. **Invest Ophthalmol Vis Sci** 1982 Apr;22(4):428–38

Microenvironmental studies of pre-B and B cell development in human and mouse fetuses. Kamps WA, et al. **J Immunol** 1982 Aug;129(2):526–31

Fetal cells in the blood of pregnant mothers [letter] Schroder J. **J Med Genet** 1981 Aug;18(4):321–2

Thymus in mice bearing the Steel mutation. Morphologic studies on fetal, neonatal, organ-cultured, and grafted fetal thymus. Asamoto H, et al. **Lab Invest** 1981 Nov; 45(5):418–26

Detection and isolation of fetal cells from maternal blood using the flourescence-activated cell sorter (FACS). Iverson GM, et al. **Prenatal Diagn** 1981 Jan;1(1):61–73

Primary culture of prostatic region entoderm of human fetal sinus urogenitalis: morphological, histochemical, and electrophoretic characteristics. Bozhok YuM, et al. **Prostate** 1982;3(1):1–10

A rapid procedure for routine double staining of cartilage and bone in fetal and adult animals. Kimmel CA, et al. **Stain Technol** 1981 Sep;56(5):271–3

DRUG EFFECTS

Studies of foetal death and foetal weight in guinea pigs fed polychlorinated biphenyls (PCB). Brunström B, et al.

Acta Pharmacol Toxicol (Copenh) 1982 Feb;50(2):100–3
Interference of mycotoxins with prenatal development of the mouse. II. Ochratoxin A induced teratogenic effects in relation to the dose and stage of gestation. Arora RG, et al. **Acta Vet Scand** 1981;22(3–4):535–52
Interference of mycotoxins with prenatal development of the mouse. I. Influence of aflatoxin B1, ochratoxin A and zearalenone. Arora RG, et al. **Acta Vet Scand** 1981; 22(3–4):524–34
The effect of ethanol and acetaldehyde on DNA synthesis in growing cells and on fetal development in the rat. Dreosti IE, et al. **Alcoholism (NY)** 1981 Summer; 5(3):357–62
Tricuspid valve regurgitation and lithium carbonate toxicity in a newborn infant. Arnon RG, et al. **Am J Dis Child** 1981 Oct;135(10):941–3
Effects of intravenous glucose injections on human fetal breathing movements and gross fetal body movements at 36 to 40 weeks' gestational age. Bocking A, et al. **Am J Obstet Gynecol** 1982 Mar 15;142(6 Pt 1):606–11
Effects of phenylephrine and sodium salicylate on maternal and fetal cardiovascular indices and blood oxygenation in sheep. Cottle MK, et al. **Am J Obstet Gynecol** 1982 May 15;143(2):170–6
The maternal and fetal cardiovascular effects of epidural morphine in the sheep model. Craft JB Jr, et al. **Am J Obstet Gynecol** 1982 Apr 1;142(7):835–9
Fetal and maternal effects of sodium nitroprusside used to counteract hypertension in gravid ewes. Ellis SC, et al. **Am J Obstet Gynecol** 1982 Aug 1;143(7):766–70
Effects of maternal insulin or glucose infusion on the fetus: study on lung surfactant phospholipids, plasma myoinositol, and fetal growth in the rabbit. Hallman M, et al. **Am J Obstet Gynecol** 1982 Apr 1;142(7):877–82
Long-term effects of betamethasone on fetal development. Johnson JW, et al. **Am J Obstet Gynecol** 1981 Dec 15; 141(8):1053–64
Female pseudohermaphroditism with somatic chromosomal anomaly in association with in utero exposure to danazol. Peress MR, et al. **Am J Obstet Gynecol** 1982 Mar 15;142(6 Pt 1):708–9
Effect of 5-hydroxytryptophan on electrocortical activity and breathing movements of fetal sheep. Quilligan EJ, et al. **Am J Obstet Gynecol** 1981 Oct 1;141(3):271–5
Effects of glucose concentration on fetal breathing movements and electrocortical activity in fetal lambs. Richardson B, et al. **Am J Obstet Gynecol** 1982 Mar 15; 142(6 Pt 1):678–83
In utero exposure to diethylstilbestrol: adverse effects on the reproductive tract and reproductive performance and male and female offspring. Stillman RJ. **Am J Obstet Gynecol** 1982 Apr 1;142(7):905–21 (54 ref.)
Do glucocorticosteroids affect the fetal immune system? [editorial] Gleicher N, et al. **Am J Reprod Immunol** 1981 Aug;1(4):184–5
Hodgkin's disease and the pregnant patient [letter] Chapman RM, et al. **Ann Intern Med** 1982 May;96(5):681–2
The effects of totigestational exposure to nicotine on pre- and postnatal development in the rat. Peters MA, et al. **Arch Int Pharmacodyn Ther** 1982 May;257(1):155–67
Postnatal development and behavior in offspring of enflurane exposed pregnant rats. Peters MA, et al. **Arch Int Pharmacodyn Ther** 1982 Mar;256(1):134–44
Perinatal toxicology: problems and hazards. O'Mahony DP. **Arch Toxicol [Suppl]** 1982;5:64–6
The embryotoxicity of a new class of antispermatogenic agents: the 3-indazole-carboxylic acids. Scorza Barcellona P, et al. **Arch Toxicol [Suppl]** 1982;5:197–201
Toxicological studies of plafibride. Part 3: Study of teratogenic activity in rats and rabbits. Sanfeliu C, et al. **Arzneimittelforsch** 1981;31(10a):1831–4
Lack of effect on body weight and content of nitrogen and fat after insulin administration to fetal rats. Stangenberg M, et al. **Biol Neonate** 1981;40(5–6):240–5
Rat fetal development and maternal exposure to trichloroethylene 100 p.p.m. Healy TE, et al. **Br J Anaesth** 1982 Mar;54(3):337–41
Qualitative histological differences between transplacentally-induced lung tumors in young and aging mice. Anderson LM, et al. **Cancer Lett** 1981 Feb; 11(4):285–93
Transplacental carcinogenic effect of n-nitrosoethylurea in dogs. Napalkov NP, et al. **Cancer Lett** 1981 Mar; 12(1–2):161–7
Dose-response relationship for human fetal exposure to methylmercury. Marsh DO, et al. **Clin Toxicol** 1981 Nov; 18(11):1311–8
The effect of depot-medroxyprogesterone acetate on the fetus and nursing infant: a review. Schwallie PC. **Contraception** 1981 Apr;23(4):375–86 (32 ref.)
The effect of ethanol consumption during gestation on maternal-fetal amino acid metabolism in the rat. Lin GW. **Curr Alcohol** 1981;8:479–83
Audiogenic seizures and neuronal deficits following early exposure to barbiturate. Yanai J, et al. **Dev Neurosci** 1981; 4(5):345–50
Effect of nicotine sulfate on the hemodynamics and acid base balance of chronically instrumented pregnant sheep. Ayromlooi J, et al. **Dev Pharmacol Ther** 1981;3(4):205–13
The effect of paternal alcohol consumption on fetal development in mice. Randall CL, et al. **Drug Alcohol Depend** 1982 Feb;9(1):89–95
Drug abuse in pregnancy: fetal ad neonatal effects. Cohen MS. **Drug Ther** 1982;:165–79 (46 ref.)
Drug use in pregnancy: how to avoid problems. Rao JM, et al. **Drugs** 1981 Nov;22(5):409–14
Induction of parturition in sheep by low dose intrafetal infusion of synthetic adrenocorticotropin–(1–24) at 120–130 days gestation. Cabalum TC, et al. **Endocrinology** 1982 Apr; 110(4):1408–15
Pathological effects of in utero methylmercury exposure on the cerebellum of the golden hamster. I. Early effects upon the neonatal cerebellar cortex. Reuhl KR, et al. **Environ Res** 1981 Dec;26(2):281–306
Pathological effects of in utero methylmercury exposure on the cerebellum of the golden hamster. II. Residual effects on the adult cerebellum. Reuhl KR, et al. **Environ Res** 1981 Dec;26(2):307–27
Effect of angiotensin infusion during pregnancy on fetal heart rate and on fetal activity. Oney T, et al. **Eur J Obstet Gynecol Reprod Biol** 1982 May;13(3):133–7
Effects of prenatal capsaicin treatment on fetal spontaneous activity, opiate receptor binding, and acid phosphatase in the spinal cord. Kirby ML, et al. **Exp Neurol** 1982 May; 76(2):298–308
Placental and fetal contraindications of dexamethasone administration to pregnant rats. Garvey D, et al. **Experientia** 1981 Jul 15;37(7):757–9
Developmental neurobehavioural toxicity of butylated hydroxytoluene in rats. Vorhees CV, et al. **Food Cosmet Toxicol** 1981 Apr;19(2):153–62
Transplacental and neonatal carcinogenesis by 1-butyl-1-nitrosourethan in the ACI/N rat. Maekawa A, et al. **Gan** 1980 Dec;71(6):811–5
Reduction of diethylnitrosamine-induced hepatoma in rats exposed to polychlorinated biphenyls through their dams. Nishizumi M. **Gan** 1980 Dec;71(6):910–2
Development of aversive behavior to ethanol in mice; alterability of the progression of this parameter. Kahn AJ. **Growth** 1981 Winter;45(4):286–90
Modification of the fetal reactivity by an intravenous glucose load to the mother. Graça LM, et al. **J Perinat Med** 1981; 9(6):286–92
Relation of in vivo drug metabolism to stereoselective fetal hydantoin toxicology in mouse: evaluation of mephenytoin and its metabolite, nirvanol. Wells PG, et al. **J Pharmacol Exp Ther** 1982 Apr;221(1):228–34
The effect of captopril (SQ14,225) upon mother and fetus in the chronically cannulated ewe and in the pregnant rabbit. Broughton Pipkin F, et al. **J Physiol (Lond)** 1982 Feb;323:415–22
Progesterone antagonizes the effects of estradiol in the fetal uterus of guinea pig. Sumida C, et al. **J Recept Res** 1981; 2(3):221–32
ACTH induction of the maturation of ACTH-sensitive adenylate cyclase system in the ovine fetal adrenal. Durand P, et al. **J Steroid Biochem** 1981 Dec;15:445–8
Regulation of estrogen action in the uterus of the guinea-pig fetus. Sumida C, et al. **J Steroid Biochem** 1981 Dec; 15:137–43
Development and viability of offspring of male mice treated with chlorinated phenoxy acids and 2,3,7,8-tetrachlorodibenzo-p-dioxin. Lamb JC 4th, et al. **J Toxicol Environ Health** 1981 Nov–Dec;8(5–6):835–44
Chronic cadmium exposure: relation to male reproductive toxicity and subsequent fetal outcome. Zenick H, et al. **J Toxicol Environ Health** 1982 Mar;9(3):377–87
Acetaminophen overdose in the third trimester of pregnancy. Byer AJ, et al. **JAMA** 1982 Jun 11;247(22):3114–5
The drug victim is too often the same: the fetus [news] Carlson C. **JAMA** 1982 Jul 23;248(4):409–10
Placental theophylline transfer in pregnant asthmatics. Labovitz E, et al. **JAMA** 1982 Feb 12;247(6):786–8
Surveillance of bromocriptine in pregnancy. Turkalj I, et al. **JAMA** 1982 Mar 19;247(11):1589–91
Ultrastructural lesion in fetal hemopoietic cells following ethanol administration to pregnant mice. Nishimura ET, et al. **Lab Invest** 1981 Oct;45(4):342–6
Methyldopa in pregnancy hypertension and the newborn [letter] Bódis J, et al. **Lancet** 1982 Aug 28;2(8296):498–9
Clomiphene and congenital retinopathy [letter] Laing IA, et al. **Lancet** 1981 Nov 14;2(8255):1107–8
Childhood cancer and pregnancy drugs [letter] McWhirter WR, et al. **Lancet** 1981 Nov 7;2(8254):1051
Propranolol and pregnancy outcome [letter] O'Connor PC, et al. **Lancet** 1981 Nov 21;2(8256):1168
Prenatal treatment of biotin responsive multiple carboxylase deficiency. Packman S, et al. **Lancet** 1982 Jun 26; 1(8287):1435–8
Beta-blockers in pregnancy [letter] **N Engl J Med** 1982 Apr 1;306(13):810–1
Hepatoblastoma in an infant born to a mother after hormonal treatment for sterility [letter] Melamed I, et al. **N Engl J Med** 1982 Sep 23;307(13):820
Pharmacogenetics and the fetus [editorial] Spielberg SP. **N Engl J Med** 1982 Jul 8;307(2):115–6
Effects of acetylsalicylic-acid ingestion on maternal and neonatal hemostasis. Stuart MJ, et al. **N Engl J Med** 1982 Oct 7;307(15):909–12
Department of Psychology, State University of New York at Albany. Lochry EA, et al. **Neurobehav Toxicol** 1980 Summer;2(2):107–15
Methadone exposure in utero: effects on brain biogenic amines and behavior. Rech RH, et al. **Neurobehav Toxicol** 1980 Summer;2(2):75–8
Behavioral effects of low-level perinatal exposure to toluene in mice. Kostas J, et al. **Neurobehav Toxicol Teratol** 1981 Winter;3(4):467–9
Effects of prenatal triphenyl-tin exposure on the development of behavior and conditioned learning in rat pups. Lehoizky K, et al. **Neurobehav Toxicol Teratol** 1982 Mar–Apr;4(2):247–50
The effect of progesterone and progestogens on the foetus. Dalton K. **Neuropharmacology** 1981 Dec;20(12B):1267–9 (26 ref.)
Motor development, tissue weights and seizure susceptibility in perinatally lead-exposed rats. Overmann SR, et al. **Neurotoxicology (Park Forest II)** 1981 Dec;2(4):725–42
Symposium on drugs in pregnancy. **Obstet Gynecol** 1981 Nov;58(5 Suppl):1S–105S
Symposium on drugs in pregnancy: introduction. Barber HR. **Obstet Gynecol** 1981 Nov;58(5 Suppl):1S–2S
Fetal and neonatal effects of cytotoxic agents. Barber HR. **Obstet Gynecol** 1981 Nov;58(5 Suppl):41S–7S (49 ref.)
Maternal and fetal effects of acetaminophen and salicylates in pregnancy. Collins E. **Obstet Gynecol** 1981 Nov;58(5 Suppl):57S–62S (38 ref.)
Effect of intravenous glucose infusion on human fetal breathing activity. Natale R, et al. **Obstet Gynecol** 1982 Mar;59(3):320–4
Adverse effects of cardiovascular drug therapy on the fetus and neonate. Witter FR, et al. **Obstet Gynecol** 1981 Nov; 58(5 Suppl):100S–5S (68 ref.)
The effects of chronic gastrointestinal medication on the fetus and neonate. Witter FR, et al. **Obstet Gynecol** 1981 Nov; 58(5 Suppl):79S–84S (55 ref.)
Terbutaline-induced changes in ovine, fetal and maternal hemodynamics, and fetal electroencephalogram. Ayromlooi J, et al. **Pediatr Pharmacol (New York)** 1981; 1(4):321–30
Effects of prostacyclin on the fetal pulmonary circulation. Cassin S, et al. **Pediatr Pharmacol (New York)** 1981; 1(3):197–207
Metabolism and distribution of labeled theophylline in the pregnant rat. Impairment of theophylline metabolism by pregnancy and absence of a blood-brain barrier in the fetus. Arnaud MJ, et al. **Pediatr Res** 1982 Mar;16(3):167–71
Effects of chronic opiate administration of spontaneous activity of fetal rats. Kirby ML, et al. **Pharmacol Biochem Behav** 1982 Feb;16(2):263–9
Enhanced acquisition and retention of passive avoidance behaviour in adult rats given a single transuterine ACTH injection while fetuses. Sterescu-Volanschi M, et al. **Physiologie** 1981 Jan–Mar;18(1):3–7
Captopril: association with fetal death and pulmonary vascular changes in the rabbit. Keith IM, et al. **Proc Soc Exp Biol Med** 1982 Jul;170(3):378–83
Acute and chronic effects of maternal ethanol administration on the ovine maternal-fetal unit. Rose JC, et al. **Prog Biochem Pharmacol** 1981;18:1–14
Pregnancy and fetal development in hamsters treated with prostaglandin F2 alpha. Hilbelink DR, et al. **Prostaglandins Leukotrienes Med** 1982 Apr;8(4):399–402
A pyrimethamine-chloroquine combination for malaria prophylaxis during pregnancy [letter] Feberwee JD. **S Afr Med J** 1982 Aug 21;62(9):269
Caffeine ingestion during pregnancy: in utero exposure and possible effects. Soyka LF. **Semin Perinatol** 1981 Oct; 5(4):305–9
Aspirin-induced psychoteratogenesis in rats as a function of embryonic age. Vorhees CV, et al. **Teratogenesis Carcinog Mutagen** 1982;2(1):77–84
Teratogenic evaluation of 2-nitro-p-phenylenediamine, 4-nitro-o-phenylenediamine, and 2,5-toluenediamine sulfate in the mouse. Marks TA, et al. **Teratology** 1981 Dec; 24(3):253–65
The teratogenic effects of dietary Cassava on the pregnant albino rat: a preliminary report. Singh JD. **Teratology** 1981 Dec;24(3):289–91
Effects of maternal exposure to toluene during pregnancy on mouse embryos and fetuses. Shigeta S, et al. **Tokai J Exp Clin Med** 1982 Mar;7(2):265–70
Effects of perinatal methimazole exposure on a developmental test battery for neurobehavioral toxicity in rats. Comer CP, et al. **Toxicol Appl Pharmacol** 1982 Mar 30;63(1):133–41
Effects of 1,2-dichloroethane and 1,1,1-thichloroethane in drinking water on reproduction and development in mice. Lane RW, et al. **Toxicol Appl Pharmacol** 1982 May; 63(3):409–21
Effect of caffeine on rat offspring from treated dams. Aeschbacher HU, et al. **Toxicol Lett** 1980 Nov;7(1):71–7
The effect of lentinan on the in utero embryonic and foetal development of the rat and on postnatal development of the F1 offspring. Cozens DD, et al. **Toxicol Lett** 1981 Sep; 9(1):71–6
The effect of lentinan on the in utero foetal development of the rat and on postnatal development of the F1 offspring. Cozens DD, et al. **Toxicol Lett** 1981 Sep;9(1):77–80
Effect of maternal cigarette smoke exposure on foetuses of inbred strains of mice responsive and non-responsive to polycyclic aromatic hydrocarbons. Vähäkangas K, et al. **Toxicol Lett** 1982 Jan;10(1):81–6
Study of toxicity of butylated hydroxyanisole (BHA) in pregnant gilts and their foetuses. Hansen EV, et al. **Toxicology** 1982;23(1):79–83

Perinatal toxicity of endrin in rodents. II. Fetotoxic effects of prenatal exposure in rats and mice. Kavlock RJ, et al. **Toxicology** 1981;21(2):141–50

Embryotoxic effects of ethylene glycol monomethyl ether in mice. Nagano K, et al. **Toxicology** 1981;20(4):335–43

Effect of prostaglandin F2 alpha on the bovine fetal ruminal wall in vitro. Arias JL, et al. **Vet Res Commun** 1981 Dec; 5(2):151–8

[Studies on foods fortified with L-ascorbic acid derivatives. III. The evaluation of toxicity of ascorbic acid phosphate (author's transl)] Guo ZC.
Chung Hua Yu Fang I Hsueh Tsa Chih 1981 Jul;15(4):231–3 **(Chi)**

[Embryotoxicity as a part of environmental risk (author's transl)] Jelinek R, et al. **Cas Lek Cesk** 1981 Oct 29; 120(43):1299–1304 (Eng. Abstr.) **(Cze)**

[Current prospects of experimental drug embryotoxicity risk assessment (author's transl)] Jelinek R, et al.
Cas Lek Cesk 1981 Oct 29;120(43):1309–12 (Eng. Abstr.) **(Cze)**

[Various late-occurring side effects of cytostatic agents] Somers R, et al. **Ned Tijdschr Geneeskd** 1981 Dec 19; 125(51):2099–104 **(Dut)**

[Effects of a vasodilator, nicergoline, on fetal and placental growth in diabetic gestating rats (author's transl)] Clabaut M, et al. **J Pharmacol** 1982 Apr–Jun;13(2):253–63 (Eng. Abstr.) **(Fre)**

[Prenatal toxicological testing of humic acids on laboratory rats] Golbs S, et al. **Arch Exp Veterinarmed** 1982; 36(2):179–85 (Eng. Abstr.) **(Ger)**

[Control of implantation in rats and sows by peroral administration of prostaglandin synthetase inhibitors. 3. Effects of prostaglandin F2 alpha, progesterone/estrone, and acetylsalicylic acid on implantation and biochemical composition of amniotic fluid and fetuses of young sows] Wollenhaupt K, et al. **Arch Exp Veterinarmed** 1981; 35(3):471–80 (Eng. Abstr.) **(Ger)**

[Placental passage of intravenous narcotics and its effect on the uterus and fetus] Dick W.
Klin Anasthesiol Intensivther 1981;23:244–57 **(Ger)**

[The effect of tokolysis by means if beta- mimetics on fetuses and neonates (author's transl)] Rosanelli K, et al.
Z Geburtshife Perinatol 1982 Apr–May;186(2):93–6 (Eng. Abstr.) **(Ger)**

[Effect of phenobarbital neurotoxicity on the fetal mouse brain] Bergman A, et al. **Harefuah** 1982 Jan 15;102(2):49–51 (Eng. Abstr.) **(Heb)**

[Anticoagulant therapy in patients with heart valve prostheses. Considerations on teratogenesis and anesthesia] Chiefari M, et al. **Arch Ostet Ginecol** 1980 Sep–Oct; 85(5):433–9 **(Ita)**

[Parameters of fetal maturity after intra-amniotic administration of beta-methasone] Dolfin G, et al.
Minerva Ginecol 1982 Jan–Feb;34(1–2):25–30 (Eng. Abstr.) **(Ita)**

[Effect of oral administration of tris(1,3-dichloroisopropyl)phosphate to pregnant rats on prenatal and postnatal developments (author's transl)] Tanaka S, et al. **Eisei Shikenjo Hokoku** 1981;99:50–5 (Eng. Abstr.) **(Jpn)**

[Reproduction studies on ceftizoxime sodium in rats (author's transl)] Fukuhara K, et al. **Jpn J Antibiot** 1981 Apr; 34(4):466–76 (Eng. Abstr.) **(Jpn)**

[Reproduction study on netilmicin. (2) Fertility study in rats (author's transl)] Furuhashi T, et al. **Jpn J Antibiot** 1982 Feb;35(2):630–42 (Eng. Abstr.) **(Jpn)**

[Reproduction study on netilmicin. (4) Teratological study in rabbits (author's transl)] Furuhashi T, et al.
Jpn J Antibiot 1982 Feb;35(2):659–66 (Eng. Abstr.) **(Jpn)**

[Reproduction study on netilmicin. (1) Teratological study in rats (author's transl)] Nomura A, et al.
Jpn J Antibiot 1982 Feb;35(2):614–29 (Eng. Abstr.) **(Jpn)**

[Enhancement effects of barbital and phenobarbital on aminopyrine-initiated teratogenesis in mice] Isa Y, et al. **Yakugaku Zasshi** 1981 May;101(5):477–81 (Eng. Abstr.) **(Jpn)**

[Teratogenicity of aminopyrine and its molecular compound with barbital] Nomura T, et al. **Yakugaku Zasshi** 1981 May; 101(5):470–6 (Eng. Abstr.) **(Jpn)**

[Effect of mercury on the sexual cycle and prenatal and postnatal development of progeny] Barański B. **Med Pr** 1981;32(4):271–6 (113 ref.) (Eng. Abstr.) **(Pol)**

[Effect of ethylnitrosourea poisoning on the fatty acid content of myelin lipids] Wender M, et al. **Neuropatol Pol** 1981 Jan–Mar;19(1):91–106 (Eng. Abstr.) **(Pol)**

[Effect of oral contraceptives and epsilon-aminocaproic acid on pregnant female rats and their fetuses. Histopathologic study] Niżnikowska-Marks MJ, et al. **Patol Pol** 1981; 32(1):37–52 (Eng. Abstr.) **(Pol)**

[Effect of nicotine on the development of the fetus and offspring] Sheveleva GA, et al. **Akush Ginekol (Mosk)** 1981 Jun;(6):31–4 (Eng. Abstr.) **(Rus)**

[Methodological approaches to the study of the effects of prenatal drug exposure on the development of the progeny (a review of the literature)] Smol'nikova NM.
Farmakol Toksikol 1982 Jan–Feb;45(1):100–4 (39 ref.) **(Rus)**

[Effect of carbon disulfide on the cellular chromosome apparatus of rats and their fetuses] Vasil'eva IA.
Tsitol Genet 1982 Mar–Apr;16(2):57–9 **(Rus)**

[Long-term effects of exposure to inhibitors of metal corrosion] Paustovskaia VV, et al. **Vrach Delo** 1981 Nov; (11):100–3 **(Rus)**

[Effect of ethanol on ovulation, reproduction and fetal development in the rat] Marcó J, et al. **Rev Esp Fisiol** 1981 Dec;37(4):395–402 (Eng. Abstr.) **(Spa)**

[Right to protection of the unborn child] Giertz G.
Nord Med 1982 Jan;97(1):1–2 **(Swe)**

ENZYMOLOGY

Terminal deoxynucleotidyl transferase in human fetal tissues. Casoli C, et al. **Adv Exp Med Biol** 1982;145:185–91

Glutathione-S-transferase in human fetal liver. Pacifici GM, et al. **Biochem Pharmacol** 1981 Dec 15;30(24):3367–71

Evidence for endogenous triggering of perinatal inducibility of hepatic monooxygenase. Schubert I, et al.
Biochem Pharmacol 1981 Nov 1;30(21):2901–6

Fetal 15-hydroxyprostaglandin dehydrogenase is altered by maternal ethanol exposure. Pennington SN, et al.
Biol Neonate 1981;40(5–6):246–51

Distribution of UDP-glucuronyltransferase in different human foetal tissues [letter] Pacifici GM, et al.
Br J Clin Pharmacol 1982 May;13(5):732–5

Biochemical markers in the plasma and tumors of patients with gynecologic malignancies. van Nagell JR Jr, et al. **Cancer** 1981 Jul 15;48(2 Suppl):495–503 (86 ref.)

Induction of cytosolic tyrosine aminotransferase by dexamethasone in organ culture of fetal human liver. Andersson SM. **Early Hum Dev** 1982 Apr;6(2):165–9

Distribution of NAD+-dependent prostaglandin dehydrogenase activity among human fetal tissues. Casey ML, et al. **Early Hum Dev** 1982 Apr;6(2):171–5

Synergistic regulation of fetal rat liver nicotinamide adenine dinucleotide phosphate (reduced form) cytochrome c reductase activity: effects of L-triiodothyronine and hydrocortisone. Kriz BM, et al. **Endocrinology** 1982 Jun; 110(6):2145–50

Lung phosphatidate phosphatase: activity during altered physiologic states. Filler DA, et al. **Exp Lung Res** 1982 Feb;3(1):37–46

Comparative ontogenesis of gamma-glutamyl transpeptidase in rat tissues. Wapnir RA, et al. **Experientia** 1982 Jun 15; 38(6):647–8

Enzymatic activity in carbohydrate metabolism in human liver during development. Meisel M, et al.
Int J Biol Res Pregnancy 1982;3(1):4–7

Investigation of glucose-6-phosphatase in the liver of the human fetus. Meisel M, et al. **Int J Biol Res Pregnancy** 1982;3(2):73–6

Resurgence of fetal isozymes in cancer: study of aldolase, pyruvate kinase, lactic dehydrogenase, and beta-hexosaminidase. Schapira F.
Isozymes Curr Top Biol Med Res Isozymes 1981;5:27–75 (362 ref.)

Neuron-specific enolase as an immunocytochemical marker for the diffuse neuroendocrine system in human fetal lung. Wharton J, et al. **J Histochem Cytochem** 1981 Dec; 29(12):1359–64

Presence of histaminase in fetal calf sera. Dy M, et al.
J Immunol Methods 1982;48(2):261–5

Succinate dehydrogenase, monoamine oxidase and glutamine synthetase in developing human foetal brain regions. Mahajan RG, et al. **J Neurochem** 1982 Feb;38(2):356–9

Sex and age differences in the specific activity of NAD+-dependent 15-hydroxyprostaglandin dehydrogenase in human fetal kidney tissue. Casey ML, et al. **J Reprod Fertil** 1981 Sep;63(1):263–6

Estrogen synthetase and C17-20lyase activity in the fetal monkey gonad. Sholl SA. **J Steroid Biochem** 1982 Feb; 16(2):141–5

Urea cycle enzymes in human liver: ontogenesis and interaction with the synthesis of pyrimidines and polyamines. Karsai T, et al. **Mol Cell Biochem** 1982 Mar 19;43(2):105–10

Pulmonary superoxide dismutase activity in the euthyroid and hypothyroid ovine fetus. Erenberg A, et al.
Pediatr Res 1982 Jul;16(7):570–2

Carbonic anhydrase in the human fetal lung. Lönnerholm G, et al. **Pediatr Res** 1982 Jun;16(6):407–11

Fetal animal and human intraocular fluids: unique glycolytic enzyme levels of the embryonal aqueous and significance in retinoblastoma. Gershbein LL.
Res Commun Chem Pathol Pharmacol 1981 Apr; 32(1):167–78

Fetal development and distribution of intestinal alkaline phosphatase in the rabbit. Toofanian F, et al.
Res Vet Sci 1982 May;32(3):303–5

[Multiple forms of adenosine deaminase in the thymus of the bovine fetus and calf] Rotondaro L.
Boll Soc Ital Biol Sper 1981 Dec 15;57(23):2355–60 (Eng. Abstr.) **(Ita)**

[Developmental changes of lactate dehydrogenase isozymes in bovine fetal tissues (author's transl)] Nishita T.
Nippon Juigaku Zasshi 1981 Oct;43(5):709–13 (Eng. Abstr.) **(Jpn)**

IMMUNOLOGY

Immune regulatory factors in sheep fetuses. Tuboly S.
Acta Microbiol Acad Sci Hung 1982;29(1):9–16

Immunoglobulin levels in non-aborted and aborted fetuses from Danish herds of cattle. Ohmann HB.
Acta Vet Scand 1981;22(3–4):428–34

The ontogeny of the ruminant immune system and its significance in the understanding of maternal-fetal-neonatal relationships. Osburn BI.
Adv Exp Med Biol 1981;137:91–103

Fetal cytotoxic antibodies to maternal T-lymphocytes: a possible mechanisms for maternal tolerance of the fetal allograft. Mathur S, et al. **Am J Reprod Immunol** 1982 Feb; 2(1):23–8

On the retention of the fetus as a homograft. Stein-Werblowsky R. **Am J Reprod Immunol** 1981 Aug; 1(4):180–1

Immunologic responses of the bovine fetus to parvovirus infection. Liggitt HD, et al. **Am J Vet Res** 1982 Aug; 43(8):1355–9

Production of foetally stimulated lymphocytotoxic antibodies by multiparous cows. Hines HC, et al.
Anim Blood Groups Biochem Genet 1981;12(3):201–6

Cellular sensitization in man and mice during pregnancy to fetal antigens as detected by lympholine assays. von Broen B, et al. **Arch Geschwulstforsch** 1981;51(4):371–4

Heterogenicity and specificity of tumor associated antigens (TAA) and fetal antigens (FA) as detected by 51Cr-LAI test and EM test in mouse sarcomas. Werner H, et al.
Arch Geschwulstforsch 1981;51(6):481–4

The influence of naturally occurring suppressor cells of systemic graft versus host reaction (GvHR in fetal and newborn mice. Rybczyńska Z, et al.
Arch Immunol Ther Exp (Warsz) 1981;29(3):341–5

Examination of ovine foetal fluid for antibodies to Toxoplasma gondii by the dye test and an indirect immunofluorescence test specific for IgM. Hunter D, et al. **Br Vet J** 1982 Jan–Feb;138(1):29–34

Hereditary alterations in tumor-host relationship. Palacios O, et al. **Cancer Lett** 1981 Dec;14(3):323–8

'Hidden' cytotoxic antibodies that react with allogeneic cultured fetal and tumor cells contained in soluble immune complexes from normal human sera. Morgan AC, et al.
Cancer Res 1982 Mar;42(3):881–7

A partial characterization of suppressor cells in rat fetal liver cells. Monden M, et al. **Cell Immunol** 1982 Mar 15; 68(1):16–24

Ontogeny of immunoglobulin synthesis. Production of IgM, IgG and IgA in pig foetuses. Prokešová L, et al.
Dev Comp Immunol 1981 Summer;5(3):491–9

Interleukin-2 in the ontogeny of human lymphoid tissues. Bödeker BG, et al. **Immunobiology** 1982;162(1):66–77

Expression of Ly-5 on yolk sac and fetal liver cells of the mouse. Triglia D. **Immunogenetics** 1980;11(3):303–7

Ontogeny of human lymphocyte function. **Immunol Rev** 1981; 57:1–161

A distinctive pattern of B cell immaturity in perinatal humans. Gathings WE, et al. **Immunol Rev** 1981;57:107–26 (115 ref.)

Development of lymphocyte responses and interactions in the human fetus and newborn. Hayward AR.
Immunol Rev 1981;57:39–60 (97 ref.)

Development of mitogen responding T cells and natural killer cells in the human fetus. Toivanen P, et al.
Immunol Rev 1981;57:89–105 (72 ref.)

Effects of maternal anti H-Y antibodies on fetal gonadal development. Rao CS, et al. **J Reprod Immunol** 1981 Jul; 3(3):175–85

T-cell-mediated antitumor immune response induced by oncofetal antigens. Gautam S, et al. **JNCI** 1981 Oct; 67(4):939–45

Embryonic Rhesus-positive red cells stimulating a secondary response after early abortion [letter] Eklund J. **Lancet** 1981 Oct 3;2(8249):748

Fetal and oncofetal antigens – regulators of immune reactions. McCluskey DR. **Med Hypotheses** 1982 Jun; 8(6):627–34

Regulation of immune functions in the fetus and newborn. Murgita RA, et al. **Prog Allergy** 1981;29:54–133 (507 ref.)

The immunobiology and immunopathology of the maternal-fetal relationship. Beer AE, et al.
Prog Clin Biol Res 1982;87:289–326 (67 ref.)

Immunobiology of the maternal-fetal relationship. Billingham RE. **Prog Clin Biol Res** 1981;70:63–75 (51 ref.)

Fetal synthesis of immunoglobulins. Cederqvist LL.
Prog Clin Biol Res 1981;70:47–52 (45 ref.)

Regulation of cellular immune response from the mother to the paternal antigens of the conceptus. Chaouat G.
Prog Clin Biol Res 1981;70:137–44

The immunologic concept of EPH-gestosis. Gleicher N, et al. **Prog Clin Biol Res** 1981;70:229–43 (94 ref.)

Functional ontogeny of human lymphoid cells as a factor in maternal-fetal tolerance. Siegal FP.
Prog Clin Biol Res 1981;70:41–6 (31 ref.)

Fetal and maternal red cell immune adherence (RCIA) receptors. Siegel I, et al. **Prog Clin Biol Res** 1981;70:115–20

Development of the fetal immune system. Siegel I, et al.
Prog Clin Biol Res 1981;70:31–40 (49 ref.)

Immunoglobulins in abomasal fluids of aborted and unaborted bovine fetuses. Logan EF, et al. **Res Vet Sci** 1981 Sep; 31(2):161–3

Influence of previous pregnancy on maternal response to foetal antigens. Nakajima H, et al. **Tissue Antigens** 1982 Jan;19(1):92–4

Cardiac allograft survival prolonged by syngeneic fetal liver cells in rats. Monden M, et al. **Transplantation** 1982 Feb; 33(2):210–2

Sex-associated differences in the immune response against

fetal major histocompatibility antigens. Tartakovsky B, et al. **Transplantation** 1981 Nov;32(5):395–7
[Development and function of the complement system in the fetus and newborn infant] Miler I. **Cesk Pediatr** 1982 Apr; 37(4):211–4 **(Cze)**
[Immunoglobulin secretion in fetal swine organs in in vitro systems] Franz J, et al. **Vet Med (Praha)** 1982 Jan;27(1):11–8 (Eng. Abstr.) **(Cze)**
[Antigenic composition of the serum proteins of adult swine and fetuses based on immunochemical analysis data] Aleshko SF. **Biol Nauki** 1981;(7):26–30 **(Rus)**

METABOLISM

Synthesis of two components of human complement, beta 1H and C3bINA, during fetal life. Adinolfi M, et al. **Acta Paediatr Scand** 1981 Sep;70(5):705–10
Foetal distribution and metabolism of N-nitrosodiethylamine in mice. Brittebo EB, et al. **Acta Pharmacol Toxicol (Copenh)** 1981 Apr;48(4):355–63
Renal glucuronidation of morphine in the human foetus. Pacifici GM, et al. **Acta Pharmacol Toxicol (Copenh)** 1982 Feb;50(2):155–60
Analysis of rates of globin synthesis in normal human fetuses and neonates and in twins. Smith MB, et al. **Am J Hematol** 1982 Apr;12(2):121–30
The ovine fetoplacental endocrine response to placental damage. Clapp JF 3d, et al. **Am J Obstet Gynecol** 1982 Sep 1;144(1):47–54
Vasopressin secretion induced by hypoxia in sheep: developmental changes and relationship to beta-endorphin release. Stark RI, et al. **Am J Obstet Gynecol** 1982 May 15;143(2):204–15
Fetal fuels. V. Ketone bodies inhibit pyrimidine biosynthesis in fetal rat brain. Bhasin S, et al. **Am J Physiol** 1982 Sep; 243(3):E234–9
Uptake and asymmetric efflux of amino acids at maternal and fetal sides of placenta. Eaton BM, et al. **Am J Physiol** 1981 Sep;241(3):C106–12
Fetal intestinal oxygen consumption at various levels of oxygenation. Edelstone DI, et al. **Am J Physiol** 1982 Jan; 242(1):H50–4
Biphasic development of pentagastrin sensitivity in rat stomach. Garzon B, et al. **Am J Physiol** 1982 Feb; 242(2):G111–5
Ontogeny of tissue and serum gastrin concentrations in fetal and neonatal sheep. Lichtenberger LM, et al. **Am J Physiol** 1981 Sep;241(3):G235–41
Increased fetal insulin receptors and changes in membrane fluidity and lipid composition. Neufeld ND, et al. **Am J Physiol** 1982 Sep;243(3):E246–50
Glucose absorption by in vitro perfused ileum of the fetal rat. Potter GD, et al. **Am J Physiol** 1982 Jun;242(6):G642–9
Fetal fuels. IV. Regulation of branched-chain amino and keto acid metabolism in fetal brain. Shambaugh GE 3d, et al. **Am J Physiol** 1981 Sep;241(3):E200–7
Trace elements status of fetuses from ewes fed a copper-deficient ration. Hidiroglou M, et al. **Am J Vet Res** 1982 Feb;43(2):310–3
Effects of intrapartum maternal glucose infusion on the normal fetus and newborn. Mendiola J, et al. **Anesth Analg (Cleve)** 1982 Jan;61(1):32–5
Pharmacokinetics of etidocaine in fetal and neonatal lambs and adult sheep. Pedersen H, et al. **Anesth Analg (Cleve)** 1982 Feb;61(2):104–8
Effects of exogenous glucagon on concentrations of glucose, fructose and insulin in plasma of sheep fetus. Schreiner RL, et al. **Ann Nutr Metab** 1982;26(3):152–61
Lipogenesis in vivo in maternal and foetal tissues during late gestation in the rat. Lorenzo M, et al. **Biochem J** 1981 Aug 15;198(2):425–8
Aspects of adipose-tissue metabolism in foetal lambs. Vernon RG, et al. **Biochem J** 1981 Jun 15;196(3):819–24
Effect of maternal diabetes on fetal bile acid metabolism in the rat. Hassan AS, et al. **Biochem Med** 1981 Apr; 25(2):168–73
Hydroxylation of hexobarbital and benzo[a]pyrene by hepatic microsomes isolated from the fetal stumptailed monkey (Macaca arctoides). A developmental study. Dvorchik BH, et al. **Biochem Pharmacol** 1982 Mar 15;31(6):1150–3
Tyrosine oxidation and protein turnover in maternal tissues and the fetus during pregnancy in rats. Mayel-Afshar S, et al. **Biochim Biophys Acta** 1982 May 27;716(2):201–7
Selective appearance of heparin in mammalian tissues during development. Nader HB, et al. **Biochim Biophys Acta** 1982 Feb 2;714(2):292–7
Pool sizes of the precursors for phosphatidylcholine synthesis in developing rat lung. Tokmakjian S, et al. **Biochim Biophys Acta** 1981 Oct 23;666(1):176–80
Effects of fat-free diet on fetal and maternal glucose-6-phosphate dehydrogenase and the timing of parturition in the mouse. Dresser BL, et al. **Biol Neonate** 1982;41(5–6):252–7
Effect of gestational alloxan diabetes and fasting on fetal lipogenesis and lipid deposition in pigs. Kasser TR, et al. **Biol Neonate** 1981;40(3–4):105–12
Onset of a feedback inhibition by testosterone in male rat fetuses. Naessany S, et al. **Biol Neonate** 1982;41(5–6):234–9
Blood and tissue levels of lipoperoxides in rats during development. Yoshioka T, et al. **Biol Neonate** 1982; 41(3–4):155–60
Distribution of nutrients between fetal brain body during rat development. Zamenhof S, et al. **Biol Neonate** 1982; 41(1–2):68–73
Foetal and maternal rates of urea production and disposal in well-nourished and undernourished sheep. Hodgson JC, et al. **Br J Nutr** 1982 Jul;48(1):49–58
The polyunsaturated fatty acid status of the twin foetal lamb and the effect of maternal nutrient intake. Payne E, et al. **Br J Nutr** 1982 Jan;47(1):101–4
Fetal and maternal estrogen concentrations throughout pregnancy in the sheep. Challis JR, et al. **Can J Physiol Pharmacol** 1981 Sep;59(9):970–8
Regulation of hormone production in the human feto-placental unit. Goodyer CG, et al. **Ciba Found Symp** 1981;86:89–123
Metabolic events associated with the preparation of the fetus for independent life. Jones CT, et al. **Ciba Found Symp** 1981;86:214–33
Changing patterns of steroid production in the fetus and placenta and their effects on development. Nathanielsz PW, et al. **Ciba Found Symp** 1981;86:66–88
Perinatal metabolism of vitamin D: transition from fetal to neonatal life. Tsang RC, et al. **Clin Perinatol** 1981 Jun; 8(2):287–306 (118 ref.)
Fetal and maternal PtcO2 monitoring. Huch R, et al. **Crit Care Med** 1981 Oct;9(10):694–7
Continuous transcutaneous carbon dioxide monitoring in the fetus during labor. Löfgren O. **Crit Care Med** 1981 Oct; 9(10):750–1
Continuous transcutaneous oxygen monitoring in the fetus during labor. Löfgren O. **Crit Care Med** 1981 Oct; 9(10):698–701
Absence of a role for salsolinol in the mechanism of ethanol teratogenicity. Nesterick CA, et al. **Dev Pharmacol Ther** 1981;3(2):99–107
Effects of angiotensin II on blood pressure, plasma renin activity, and aldosterone in the fetal lamb. Siegel SR, et al. **Dev Pharmacol Ther** 1981;3(3):144–9
Hyperglycaemia induced by glucose infusion in the unrestrained pregnant rat during the last three days of gestation: metabolic and hormonal changes in the mother and the fetuses. Ktorza A, et al. **Diabetologia** 1981 Dec; 21(6):569–74
Fatty acid utilization in perinatal de novo synthesis of tissues. Clandinin MT, et al. **Early Hum Dev** 1981 Sep;5(4):355–66
Lipoprotein utilization and cholesterol synthesis by the human fetal adrenal gland. Carr BR, et al. **Endocr Rev** 1981 Summer;2(3):306–26 (126 ref.)
Ontogeny and regulation of corticosteroid binding globulin capacity in plasma of fetal and newborn lambs. Ballard PL, et al. **Endocrinology** 1982 Feb;110(2):359–66
Low density lipoprotein binding and de novo synthesis of cholesterol in the neocortex and fetal zones of the human fetal adrenal gland. Carr BR, et al. **Endocrinology** 1982 Jun; 110(6):1994–8
Modifications of the steroidogenic pathway during spontaneous and adrenocorticotropin-induced maturation of ovine fetal adrenal. Durand P, et al. **Endocrinology** 1982 Feb;110(2):500–5
Vitamin D metabolism in pregnant rabbits: differences between the maternal and fetal response to administration of large amounts of vitamin D3. Kubota M, et al. **Endocrinology** 1982 Jun;110(6):1950–6
Cholesterol sulfate metabolism in human fetal adrenal mitochondria. Mason JI, et al. **Endocrinology** 1982 Jul; 111(1):208–13
In vivo evidence for increased adrenal sensitivity to adrenocorticotropin-(1–24) in the lamb fetus late in gestation. Rose JC, et al. **Endocrinology** 1982 Jul; 111(1):80–5
Cultured rat embryo accumulation of DNA, RNA, and protein following maternal administration of sodium arsenate. Fisher DL. **Environ Res** 1982 Jun;28(1):1–9
Seral, uterine and fetal salicylate concentrations after oral administration. Grönroos M, et al. **Eur J Obstet Gynaecol Reprod Biol** 1981 Sep;12(3):167–70
Gluconeogenesis in the ruminant fetus: evaluation of conflicting evidence from radiotracer and other experimental techniques. Prior RL. **Fed Proc** 1982 Jan; 41(1):117–22
Terbutaline and pulmonary surfactant release in the rabbit fetus. Bergman B, et al. **Gynecol Obstet Invest** 1982; 13(1):44–54
Accelerated accumulation of methylmercury in the rat fetus at the late pregnant stage. Ohsawa M, et al. **Ind Health** 1981;19(3):219–21
Fetal uptake and distribution of metallic mercury vapor in the mouse: influence of ethanol and aminotriazole. Khayat A, et al. **Int J Biol Res Pregnancy** 1982;3(1):38–46
Corticosteroid inhibition of biosynthesis of lung surfactant phospholipids in early human pregnancy. Tydén O, et al. **Int J Biol Res Pregnancy** 1982;3(1):3
Tissue glycogen levels in dams and fetuses as affected by fasting and refeeding pregnant sows. Yen JT, et al. **J Anim Sci** 1982 Apr;54(4):796–805
Iron transfer between the purple phosphatase uteroferrin and transferrin and its possible role in iron metabolism of the fetal pig. Buhi WC, et al. **J Biol Chem** 1982 Feb 25; 257(4):1712–23
Synthesis of cholesterol in the human fetus: 3-hydroxy-3-methylglutaryl coenzyme A reductase activity of liver microsomes. Carr BR, et al. **J Clin Endocrinol Metab** 1981 Oct;53(4):810–2
Cholesterol synthesis in human fetal tissues. Carr BR, et al. **J Clin Endocrinol Metab** 1982 Sep;55(3):447–52
Deoxycorticosterone sulfate biosynthesis in human fetal kidney. Casey ML, et al. **J Clin Endocrinol Metab** 1981 Nov;53(5):990–6
The control of steroidogenesis by human fetal adrenal cells in tissue culture. III. The effects of various hormonal peptides. Fujieda K, et al. **J Clin Endocrinol Metab** 1981 Oct;53(4):690–3
Sterol sulfate metabolism in the adrenals of the human fetus, anencephalic newborn, and adult. Korte K, et al. **J Clin Endocrinol Metab** 1982 Oct;55(4):671–5
Simultaneous measurements of lactate turnover rate and umbilical lactate uptake in the fetal lamb. Sparks JW, et al. **J Clin Invest** 1982 Jul;70(1):179–92
Ontogenesis of tissue catecholamines in fetal and neonatal rabbits. Padbury JF, et al. **J Dev Physiol** 1981 Oct; 3(5):297–303
The relationship between plasma renin activity and renal electrolyte excretion in the fetal sheep. Stevens AD, et al. **J Dev Physiol** 1981 Apr;3(2):101–10
Fetal testosterone in mice: effect of gestational age and cannabinoid exposure. Dalterio S, et al. **J Endocrinol** 1981 Dec;91(3):509–14
Fetal and maternal production and metabolism of gastrin in sheep. Shulkes A, et al. **J Endocrinol** 1982 Aug;94(2):183–9
Effect of essential fatty acid deficiency on maternal, placental, and fetal rat tissues. Menon NK, et al. **J Nutr** 1981 Sep;111(9):1602–10
Effect of glucose infusion on the maternal and fetal acid-base equilibrium during labor. Mauad-Filho F, et al. **J Perinat Med** 1982;10(2):99–104
Ritodrine concentrations in maternal and fetal serum and amniotic fluid. van Lierde M, et al. **J Perinat Med** 1982; 10(2):119–24
Diethylstilbestrol: placental transfer, metabolism, covalent binding and fetal distribution in the Wistar rat. Miller RK, et al. **J Pharmacol Exp Ther** 1982 Feb;220(2):358–65
Cross placental transfer of 198Au-colloid in near term rats. Takahashi S, et al. **J Radiat Res (Tokyo)** 1981 Jun; 22(2):242–9
Receptor and biological response to estriol in the fetal uterus of guinea pig. Pasqualini JR, et al. **J Recept Res** 1980; 1(2):261–75
The in vitro metabolism of estrone and estradiol-17 beta and their 3-sulfates by the renal tissues from pregnant and female fetal guinea-pigs. Adessi GL, et al. **J Steroid Biochem** 1981 Dec;15:453–9
Binding and biological responses of antiestrogens in the fetal and newborn uteri of guinea-pig. Gulino A, et al. **J Steroid Biochem** 1981 Dec;15:361–7
Time-trend analysis of plasma 11-desoxycorticosterone, corticosterone, cortisol, and aldosterone in fetal and maternal sheep during the last 18 days of gestation. Magyar DM, et al. **J Steroid Biochem** 1981 Oct;14(10):1091–9
Ontogeny of cortisol-cortisone interconversion in human tissues: a role for cortisone in human fetal development. Murphy BE. **J Steroid Biochem** 1981 Sep;14(9):811–7
The absorption by the human fetus of intra-amniotically injected cortisol. Murphy BE. **J Steroid Biochem** 1982 Mar; 16(3):415–7
Autoradiographic localization of [3H]-estradiol in the fetal guinea-pig hypothalamus-simultaneous demonstration of GnRH production by immunohistochemistry. Tardy J, et al. **J Steroid Biochem** 1981 Dec;15:293–7
The use of chemical analyses of umbilical cord blood for the computation of instantaneous fetal growth. Faber JJ, et al. **J Theor Biol** 1981 Apr 7;89(3):433–48
Placental transfer and fetal uptake of drugs. Welsch F. **J Vet Pharmacol Ther** 1982 Jun;5(2):91–104
Ontogenesis of the dopamine uptake into P2 fractions and slices of the rat brain. Yotsumoto I, et al. **Jpn J Pharmacol** 1981 Apr;31(2):298–300
Cumulation of active metabolites of levo-alpha-acetylmethadol in the rat fetus and neonate. Lichtblau L, et al. **Life Sci** 1982 Jan 18;30(3):307–12
Placental permeability and energy metabolism enzymes in fetuses of lipemic rats. Wapnir RA, et al. **Life Sci** 1982 Jun 28;30(26):2285–92
Fatty acid synthesis in rat fetuses with intrauterine growth retardation. Vileisis RA, et al. **Metabolism** 1982 Mar; 31(3):217–22
Myelin basic protein and glial fibrillary acidic protein in human fetal brain. Borit A, et al. **Neuropathol Appl Neurobiol** 1981 Jul-Aug;7(4):279–87
Pharmacokinetics of fetal and neonatal exposure to drugs. Levy G. **Obstet Gynecol** 1981 Nov;58(5 Suppl):9S–16S (22 ref.)
Fetal adrenocorticotropic hormone and prolactin at delivery. Puolakka J, et al. **Obstet Gynecol** 1982 Jul;60(1):71–3
The in vitro production of alpha-fetoprotein variants by human fetal organs. Mackiewicz A, et al. **Oncodev Biol Med** 1980;1(4–5):251–61
Materno-fetal pharmacokinetics and fetal distribution of valproic acid in a pregnant rhesus monkey. Dickinson RG, et al. **Pediatr Pharmacol (New York)** 1980;1(1):71–83
Control of glycogen metabolism in the developing fetal lung. Bourbon J, et al. **Pediatr Res** 1982 Jan;16(1):50–6
Indomethacin metabolism in isolated neonatal and fetal rabbit hepatocytes. Evans MA, et al. **Pediatr Res** 1981 Nov; 15(11):1406–10
Release of vasopressin by the fetal lamb during premature parturition induced with corticotropin. Stark RI, et al.

Pediatr Res 1981 Sep;15(9):1261-5

Primary hyperinsulinemia reduces surface active material flux in tracheal fluid of fetal lambs. Warburton D, et al. **Pediatr Res** 1981 Nov;15(11):1422-4

Ontogeny of vasopressin and oxytocin in the fetal rat: early vasopressinergic innervation of the fetal brain. Buijs RM, et al. **Peptides (Fayetteville)** 1980 Winter;1(4):315-24

The influence of zinc on the ontogeny of hepatic metallothionein in the fetal rat. Charles-Shannon VL, et al. **Proc Soc Exp Biol Med** 1981 Oct;168(1):56-61

The rate of amino acid nitrogen and total nitrogen accumulation in the fetal lamb. Meier P, et al. **Proc Soc Exp Biol Med** 1981 Sep;167(4):463-8

Comparative studies of prostaglandins F2 alpha and E2 in late cyclic and early pregnant sheep: in vitro synthesis by endometrium and conceptus effects of in vivo indomethacin treatment on establishment of pregnancy. Lacroix MC, et al. **Prostaglandins** 1982 Apr;23(4):507-26

Fetal urinary prostaglandins. Norman RJ, et al. **Prostaglandins Leukotrienes Med** 1982 Feb;8(2):171-2

Fatty acid content and composition of phospholipids from the endoplasmic reticulum in developing rat liver. Dhami MS, et al. **Res Commun Chem Pathol Pharmacol** 1981 Apr; 32(1):99-111

Fetal hepatic function: the disposition of propranolol in the pregnant sheep. Marshall AW, et al. **Res Commun Chem Pathol Pharmacol** 1981 Apr;32(1):3-25

Measurement of fetal tissue protein synthetic rate in the lamb in utero. Noakes DE, et al. **Res Vet Sci** 1981 Nov; 31(3):336-41

Relationship between lung intra and extracellular DSPC in fetal and neonatal rats. Faridy EE, et al. **Respir Physiol** 1981 Jul;45(1):55-66

Conversion of theophylline to caffeine by the human fetus. Brazier JL, et al. **Semin Perinatol** 1981 Oct;5(4):315-20

Effect of phenytoin on calcium disposition in pregnant and nonpregnant mice. Evans MA. **Toxicol Appl Pharmacol** 1982 May;63(3):422-8

Transfer of 2,3,7,8-tetrachlorodibenzo-p-dioxin (TCDD) to the mouse embryo and fetus. Nau H, et al. **Toxicology** 1981; 20(4):299-308

Placental inner ring iodothyronine deiodination: a mechanism for decreased passage of T4 and T3 from mother to fetus. Roti E, et al. **Trans Assoc Am Physicians** 1981;94:183-9

[The influence of maternal calcitonin on fetal plasma calcium in the rat (author's transl)] Chalon S, et al. **C R Seances Acad Sci [III]** 1982 Feb 1;294(5):257-60 (Eng. Abstr.) **(Fre)**

[The significance of anemias in gynecology and obstetrics] Göltner E. **Med Welt** 1981 Sep 18;32(38):1413-5 **(Ger)**

[Absorption, distribution, metabolism and excretion of netilmicin in rats (IV). Distribution in kidney and transmigration to fetus or suckling (author's transl)] Fujino A, et al. **Jpn J Antibiot** 1982 Apr;35(4):979-86 (Eng. Abstr.) **(Jpn)**

[Tissue distribution of 9, 3'-diacetylmidecamycin in the pregnant rat and in the rat following repeated administration (author's transl)] Someya S, et al. **Jpn J Antibiot** 1982 Mar;35(3):761-5 (Eng. Abstr.) **(Jpn)**

[Indices of the oxidation-reduction processes in the mother-fetus-amniotic environment system in late pregnancy toxicosis] Grigorian DZ. **Akush Ginekol (Mosk)** 1981 Jun;(6):39-41 (Eng. Abstr.) **(Rus)**

[Prolactin content of the mother-placenta-fetus system in premature labor] Herz P. **Akush Ginekol (Mosk)** 1981 Jun; (6):41-3 (Eng. Abstr.) **(Rus)**

MICROBIOLOGY

Isolation of Acinetobacter calcoaceticus from an aborted equine foetus [letter] Gibson JA, et al. **Aust Vet J** 1981 Nov;57(11):529-31

Mumps virus isolated from a fetus. Kurtz JB, et al. **Br Med J [Clin Res]** 1982 Feb 13;284(6314):471

Isolation of Haemophilus equigenitalis from an aborted equine fetus. Nakashiro H, et al. **Natl Inst Anim Health Q (Tokyo)** 1981 Winter;21(4):184-5

Bovine leptospirosis: microbiological and serological findings in normal fetuses removed from the uteri after slaughter. Ellis WA, et al. **Vet Rec** 1982 Feb 27;110(9):192-4

PATHOLOGY

Spontaneous abortion. A study of 1,961 women and their conceptuses. Poland BJ, et al. **Acta Obstet Gynecol Scand [Suppl]** 1981;102:1-32

Two siblings, including a fetus, with Tay-Sachs disease. Yamada E, et al. **Acta Pathol Jpn** 1981 Nov;31(6):1053-61

Renal pathology of fetuses with congenital nephrotic syndrome of the Finnish type. 2. A qualitative and quantitative electron microscopic study. Autio-Harmainen H. **Acta Pathol Microbiol Scand [A]** 1981 May;89(3):215-22

Fetus papyraceus: an unreported congenital anomaly of the surviving infant. Baker VV, et al. **Am J Obstet Gynecol** 1982 May 15;143(2):234

Placental and fetal pathology in infectious mononucleosis. A possible indicator for Epstein-Barr virus teratogenicity. Ornoy A, et al. **Diagn Gynecol Obstet** 1982 Spring;4(1):11-6

Prolonged in utero retention and mummification of a Macaca mulatta fetus. Mueller-Heubach E, et al. **J Med Primatol** 1981;10(4-5):265-8

Intrauterine mummified fetus in a rhesus monkey (Macaca mulatta). Swindle MM, et al. **J Med Primatol** 1981; 10(4-5):269-73

Intraventricular fetus-in-fetu. Case report. Afshar F, et al. **J Neurosurg** 1982 Jun;56(6):845-9

Importance of pathological examination of products of conception which are delivered after prenatal screening procedures [letter] Punnett H, et al. **Lancet** 1982 Apr 3; 1(8275):798

Maternal diabetes mellitus--effects on the fetus and placenta. Haust MD. **Monogr Pathol** 1981;(22):201-85 (438 ref.)

Renal pathology of fetuses with congenital nephrotic syndrome of the Finnish type. A qualitative and quantitative light microscopic study. Autio-Harmainen H, et al. **Nephron** 1981;29(3-4):158-63

Midtrimester abortion induced by Radix trichosanthis: morphologic observations in placenta and fetus. Kuo-Fen C. **Obstet Gynecol** 1982 Apr;59(4):494-8

[A study on the pathogenic change and cause of death of fetus in middle pregnancy terminated with alcoholic extract of Yuanhua (author's transl)] He ZF. **Chung Hua Fu Chan Ko Tsa Chih** 1982 Apr;17(2):116-8 **(Chi)**

[Fetal autopsy] Rapola J. **Duodecim** 1981;97(16):1333-8 **(Fin)**

[Usefulness of the results of the Dunnill-Whitehead quantitative method compared to the author's own morphological assessment of the lungs of fetuses and neonates from the forensic medical viewpoint] Stańczyk J. **Ann Acad Med Stetin** 1981;27:279-95 (Eng. Abstr.) **(Pol)**

[Effect of experimental infection of pregnant guinea pigs with Junin virus] Gómez MM, et al. **Rev Argent Microbiol** 1981 Jan-Apr;13(1):35-40 (Eng. Abstr.) **(Spa)**

PHYSIOLOGY

An electron microscopic study of erythropoiesis in fetal and neonatal rabbits. Hertzberg C, et al. **Acta Anat (Basel)** 1981; 110(2):164-72

Control of testicular steroidogenesis in foetal rat: effect of decapitation on testosterone and plasma luteinizing hormone-like activity. Habert R, et al. **Acta Endocrinol (Copenh)** 1982 Mar;99(3):466-73

The effect of maternal hypercapnia and hyperoxia on breathing movements in the normal and growth-retarded fetus. van Weering HK, et al. **Acta Obstet Gynecol Scand** 1982;61(1):69-74

Human fetal breathing and gross body activity relative to maternal meals during insulin-dependent pregnancy. Wladimiroff JW, et al. **Acta Obstet Gynecol Scand** 1982; 61(1):65-8

A mathematical model for the curves of intrauterine growth. Matheus M, et al. **Acta Physiol Lat Am** 1980;30(2):97-9

Foetal haemopoiesis during the hepatic period. III. Erythroid cell kinetics. Nessi AC, et al. **Acta Physiol Lat Am** 1980; 30(2):101-9

Blood pressure in the fetal guinea-pig. Kihlström I. **Acta Physiol Scand** 1981 Sep;113(1):51-2

Foetal growth in the reindeer. Roine K, et al. **Acta Vet Scand** 1982;23(1):107-17

Intrauterine growth and adipose tissue development. Enzi G, et al. **Am J Clin Nutr** 1981 Sep;34(9):1785-90

The effects of fetal thyroidectomy during the second trimester in the ovine fetus. Bhakthavathsalan A, et al. **Am J Obstet Gynecol** 1981 Oct 15;141(4):436-42

Longitudinal studies of fetal growth with the use of dynamic image ultrasonography. Deter RL, et al. **Am J Obstet Gynecol** 1982 Jul 1;143(5):545-54

The change in fetal activity periods in diabetic and nondiabetic pregnancies. Dierker LJ Jr, et al. **Am J Obstet Gynecol** 1982 May 15;143(2):181-5

Twice-weekly nonstress testing [letter] Dix PM, et al. **Am J Obstet Gynecol** 1982 Apr 15;142(8):1066

Intrauterine fetal transfusion: monitoring intraperitoneal pressures. Dunnihoo DR. **Am J Obstet Gynecol** 1982 Jan 15;142(2):241-2

Human fetal breathing movements after carbohydrate ingestion in fasting and nonfasting subjects. Fox HE, et al. **Am J Obstet Gynecol** 1982 Sep 15;144(2):213-7

Fetal movements in response to sound stimulation. Gelman SR, et al. **Am J Obstet Gynecol** 1982 Jun 15;143(4):484-5

Comparison of ultrasound femur length and biparietal diameter in late pregnancy. Hohler CW, et al. **Am J Obstet Gynecol** 1981 Dec 1;141(7):759-62

Structural, mechanical, and material properties of fetal cranial bone. Kriewall TJ. **Am J Obstet Gynecol** 1982 Jul 15; 143(6):707-14

Ultrasonic assessment of fetal kidney function in normal and complicated pregnancies. Kurjak A, et al. **Am J Obstet Gynecol** 1981 Oct 1;141(3):266-70

Effects of naloxone on fetal circulatory responses to hypoxemia. LaGamma EF, et al. **Am J Obstet Gynecol** 1982 Aug 15;143(8):933-40

Maternal blood pressure and fetal growth. Naeye RL. **Am J Obstet Gynecol** 1981 Dec 1;141(7):780-7

Fetal respiratory movements: a nomogram for fetal thoracic and abdominal respiratory movements. Neldam S. **Am J Obstet Gynecol** 1982 Apr 1;142(7):867-9

Growth of the ultrasound fetal femur length during normal pregnancy. Part I. O'Brien GD, et al. **Am J Obstet Gynecol** 1981 Dec 1;141(7):833-7

Effects of hypoxia on the mother and fetus with emphasis on maternal air transport. Parer JT. **Am J Obstet Gynecol** 1982 Apr 15;142(8):957-61

Patterns of gross fetal body movements over 24-hour observation intervals during the last 10 weeks of pregnancy. Patrick J, et al. **Am J Obstet Gynecol** 1982 Feb 15; 142(4):363-71

The nonstress test: the false negative test. Phelan JP, et al. **Am J Obstet Gynecol** 1982 Feb 1;142(3):293-6

Selective distribution of microspheres injected into the umbilical veins and inferior venae cavae of fetal sheep. Reuss ML, et al. **Am J Obstet Gynecol** 1981 Oct 15; 141(4):427-32

An evaluation of two equations for predicting fetal weight by ultrasound. Shepard MJ, et al. **Am J Obstet Gynecol** 1982 Jan 1;142(1):47-54

The association between fetal heart rate patterns and fetal movements in pregnancies between 20 and 30 weeks' gestation. Sorokin Y, et al. **Am J Obstet Gynecol** 1982 Jun 1;143(3):243-9

The clustering of fetal heart rate changes and fetal movements in pregnancies between 20 and 30 weeks of gestation. Sorokin Y, et al. **Am J Obstet Gynecol** 1982 Aug 15;143(8):952-7

Factors influencing fetal growth. Vorherr H. **Am J Obstet Gynecol** 1982 Mar 1;142(5):577-88

Real-time ultrasound observation of breathing and movements in the fetal lamb. Wittmann BK, et al. **Am J Obstet Gynecol** 1981 Dec 1;141(7):807-10

Environmental noise and human prenatal growth. Schell LM. **Am J Phys Anthropol** 1981 Sep;56(1):63-70

Role of vasopressin in fetal homeostasis. Daniel SS, et al. **Am J Physiol** 1982 Jun;242(6):F740-4

Effects of hemorrhage on umbilical venous return and oxygen delivery in fetal lambs. Itskovitz J, et al. **Am J Physiol** 1982 Apr;242(4):H543-8

Denervation of arterial chemoreceptors and baroreceptors in fetal lambs in utero. Itskovitz J, et al. **Am J Physiol** 1982 May;242(5):H916-20

Fetal and maternal arterial pressures and heart rates: histograms, correlations, and rhythms. Lawler FH, et al. **Am J Physiol** 1982 Sep;243(3):R433-44

Relationship between placental blood flow and placental and fetal size in guinea pig. Myers SA, et al. **Am J Physiol** 1982 Sep;243(3):H404-9

Response of cerebral blood flow to changes in PCO2 in fetal, newborn, and adult sheep. Rosenberg AA, et al. **Am J Physiol** 1982 May;242(5):H862-6

A radiographic study of the longitudinal growth of primary ossification centers in limb long bones of the human fetus. Bagnall KM, et al. **Anat Rec** 1982 Jun;203(2):293-9

Axoglial synaptoid contacts in the neural lobe of the human fetus. Okado N, et al. **Anat Rec** 1982 Jan;202(1):117-24

PHosphate metabolism and foetal growth in the rat. I. Net transfer of 31P and 32P phosphate from the maternal plasma to the normal placenta. van Bogaert EC, et al. **Arch Int Physiol Biochim** 1981 Nov;89(4):303-12

The foetoplacental unit and the initiation of lactation in the rat. Nicholas KR, et al. **Aust J Biol Sci** 1981;34(4):455-61

Intrauterine growth charts from 24 to 29 weeks' gestation. Kitchen WH, et al. **Aust Paediatr J** 1981 Dec;17(4):269-72

Comparative aspects of hepatic glucose metabolism during foetal development. Jones CT. **Biochem Soc Trans** 1981 Oct;9(5):375-6

Interrelationship of insulin and somatomedin activity in fetal rats. Beinze E, et al. **Biol Neonate** 1982;41(5-6):240-5

Unilateral ovariectomy during pregnancy in well-nourished and undernourished rats: effects on placenta and fetal body and brain growth. Croskerry PG, et al. **Biol Neonate** 1981; 40(1-2):46-55

Effects of diets with or without folic acid, with or without methionine, on fetus development, folate stores and folic acid-dependent enzyme activities in the rat. Potier de Courcy G, et al. **Biol Neonate** 1981;39(3-4):132-40

Changes in fetal TCPO2 values occurring during labour in association with lumbar extradural analgesia. Willcourt RJ, et al. **Br J Anaesth** 1982 Jun;54(6):635-41

M-mode ultrasonic assessment of fetal cardiovascular dynamics. Wladimiroff JW, et al. **Br J Obstet Gynaecol** 1981 Dec;88(12):1241-5

Ultrasound assessment of fetal growth patterns. Meire HB. **Br Med Bull** 1981 Sep;37(3):253-8 (32 ref.)

Functional changes in the pregnant camel with special reference to foetal growth. Elwishy AB, et al. **Br Vet J** 1981 Sep-Oct;137(5):527-37

Experimental studies on the influence of male alcoholism on fetal development. Tanaka H, et al. **Brain Dev** 1982;4(1):1-6

Prophylactic intramuscular ephedrine before epidural anaesthesia for caesarean section: efficacy and actions on the fetus and newborn. Rolbin SH, et al. **Can Anaesth Soc J** 1982 Mar;29(2):148-53

Exercise during pregnancy: effects on the fetus. Dale E, et al. **Can J Appl Sport Sci** 1982 Jun;7(2):98-103

Maternal nutrition in pregnancy. Part I: a review. Leader A, et al. **Can Med Assoc J** 1981 Sep 15;125(6):545-9 (33 ref.)

The fetus and independent life. **Ciba Found Symp** 1981; 86:1-372

The development of fetal adrenal function. Challis JR, et al. **Ciba Found Symp** 1981;86:43-65

The fetus and independent life. Introduction. Dawes GS. **Ciba Found Symp** 1981;86:1-4

The central control of fetal breathing and movements. Dawes GS, et al. **Ciba Found Symp** 1981;86:295-307

Maturation of hypothalamic–pituitary function in the ovine fetus and neonate. Gluckman PD. **Ciba Found Symp** 1981; 86:5–42

Somatomedins and fetal growth. Hill DJ, et al. **Ciba Found Symp** 1981;86:124–51

Development of central neurotransmitter systems. Johnston MV, et al. **Ciba Found Symp** 1981;86:251–70

Fetal cardiovascular reactions during labour and asphyxia modified by adrenergic receptor agonists and antagonists. Kjellmer I. **Ciba Found Symp** 1980 Oct;(83):310–25

Development of the fetal lung. Liggins GC, et al. **Ciba Found Symp** 1981;86:308–30

Functions of alpha–melanotropin and other opiomelanocortin peptides in labour, intrauterine growth and brain development. Swaab DF, et al. **Ciba Found Symp** 1981; (81):196–217

Development of peptidergic systems in the rat brain. Swaab DF, et al. **Ciba Found Symp** 1981;86:271–94

Epidermal growth factor: a critical factor in fetal maturation? Thorburn GD, et al. **Ciba Found Symp** 1981;86:172–98

Comparison of the adrenal and renal responses to angiotensin II fetal lambs and adult sheep. Robillard JE, et al. **Circ Res** 1982 Jan;50(1):140–7

Control of fetal and neonatal breathing and its disturbances. Scarpelli EM, et al. **Clin Chest Med** 1980 Jan;1(1):145–59 (118 ref.)

Fetal activity patterns in hypertensive pregnancies. Rayburn WF. **Clin Exp Hypertens [B]** 1982;1(1):119–26

Fetal and neonatal physiology. Koffler H. **Clin Obstet Gynecol** 1981 Jun;24(2):545–53

Fetal growth rates in Argentina—a national collaborative study. Value of local intrauterine growth charts. Halac J, et al. **Clin Pediatr (Phila)** 1982 Jun;21(6):342–7

The ontogeny of the renin–angiotensin system. Pelayo JC, et al. **Clin Perinatol** 1981 Jun;8(2):347–59

Fetal movements. A comparison between maternal assessment and registration by means of dynamic ultrasound. Neldam S. **Dan Med Bull** 1982 May;29(4):197–9

Are there behavioural states in the human fetus? Nijhuis JG, et al. **Early Hum Dev** 1982 Apr;6(2):177–95

The neuroendocrine regulation and function of growth hormone and prolactin in the mammalian fetus. Gluckman PD, et al. **Endocr Rev** 1981 Fall;2(4):363–95 (354 ref.)

Hormone ontogeny in the ovine fetus: XII. The dopaminergic regulation of growth hormone and chorionic somatomammotropin release. Marti–Henneberg C, et al. **Endocrinology** 1981 Nov;109(5):1355–9

Intrauterine growth: correlations of maternal nutritional status and rate of gestational weight gain. Luke B, et al. **Eur J Obstet Gynaecol Reprod Biol** 1981 Aug;12(2):113–21

Screening for the small–for–dates: a clinical and biochemical appraisal. Bashir T, et al. **Eur J Obstet Gynecol Reprod Biol** 1982 Mar;13(2):61–6

A new animal model for fetal macrosomia in diabetic pregnancy. Kim YS, et al. **Exp Mol Pathol** 1981 Dec; 35(3):388–93

Organ weight patterns in human fetal development. Burdi AR, et al. **Hum Biol** 1981 Sep;53(3):355–66

The measurement of fetal movement using a strain–gauge transducer. Berger CS, et al. **IEEE Trans Biomed Eng** 1981 Nov;28(11):788–90

The association of H–2 haplotype with implantation, survival, and growth of murine embryos. Melnick M, et al. **Immunogenetics** 1981;14(3–4):303–8

Studies on fetal growth patterns: intrauterine growth percentiles for singleton live born babies. Bhatia BD, et al. **Indian Pediatr** 1981 Sep;18(9):647–53

Antenatal evaluation of FHR accelerations associated with fetal movements. Sadovsky E, et al. **Int J Gynaecol Obstet** 1981 Dec;19(6):441–5

On the beginning of mental life in the foetus. Mancia M. **Int J Psychoanal** 1981;62(3):351–7

The formation, septation and fate of the truncus arteriosus in man. Orts–Llorca F, et al. **J Anat** 1982 Jan;134(Pt 1):41–56

Mineral accretion during prenatal growth of cattle. Ferrell CL, et al. **J Anim Sci** 1982 Mar;54(3):618–24

Effect of carotid chemoreceptor denervation on breathing in utero and after birth. Jansen AH, et al. **J Appl Physiol** 1981 Sep;51(3):630–3

Control of proliferation of human fetal adrenal cells in vitro. Crickard K, et al. **J Clin Endocrinol Metab** 1981 Oct; 53(4):790–6

Response of growth hormone to thyrotropin–releasing hormone during fetal life. Roti E, et al. **J Clin Endocrinol Metab** 1982 Jun;54(6):1255–7

Morphology and radio–opaque lines in bones of foetal lambs: the effects of maternal nutrition. Spence JA, et al. **J Comp Pathol** 1982 Apr;92(2):317–29

Subcutaneous Starling forces in the unanaesthetized guinea–pig fetus with indwelling catheters. Anderson DF, et al. **J Dev Physiol** 1981 Apr;3(2):123–32

Compliance of the fetal sheep liver. Gilbert RD, et al. **J Dev Physiol** 1981 Oct;3(5):283–95

The effect of brief episodes of diminished uterine blood flow on breathing movements, sleep states and heart rate in fetal sheep. Harding R, et al. **J Dev Physiol** 1981 August; 3(4):231–43

Fetal growth inhibition and decreased thyroid activity after injection of oestradiol benzoate into pregnant rats. Kühn ER, et al. **J Endocrinol** 1982 Apr;93(1):55–63

Electrophysiology and morphology of the developing hippocampus of fetal rabbits. Schwartzkroin PA, et al. **J Neurosci** 1982 Apr;2(4):448–62

Noncoordinate regulation of myelinogenic parameters in primary cultures of dissociated fetal rat brain. Pfeiffer SE, et al. **J Neurosci Res** 1981;6(3):369–80

Effect of maternal dietary restriction on fetal growth and placental transfer of alpha–amino isobutyric acid in rats. Ahokas RA, et al. **J Nutr** 1981 Dec;111(12):2052–8

Effects of the uterus and mid–pregnancy conceptus on luteal lifespan of the rat. Malison JA, et al. **J Reprod Fertil** 1982 Jan;64(1):25–32

Behavioral states in the human fetus. Martin CB Jr. **J Reprod Med** 1981 Aug;26(8):425–32

Skin healing and fibrin stabilizing factor blood levels in the rabbit fetus. Chignier E, et al. **J Surg Res** 1981 Nov; 31(5):415–32

Evaluation of three methods for obtaining fetal weight estimates using dynamic image ultrasound. Deter RL, et al. **JCU** 1981 Oct;9(8):421–5

The use of ultrasound in the assessment of normal fetal growth: a review. Deter RL, et al. **JCU** 1981 Nov–Dec; 9(9):481–93 (54 ref.)

Twin pregnancy: maternal–fetal nutrition. Leonard LG. **JOGN Nurs** 1982 May–Jun;11(3):139–45

Nudges from the fetus [editorial] **Lancet** 1982 Aug 7; 2(8293):309–10

Randomised trial of fetal movement counting [letter] Grant A, et al. **Lancet** 1982 Aug 28;2(8296):501

Fetal oxygenation and its clinical evaluation. Resnik R. **Mead Johnson Symp Perinat Dev Med** 1980;(17):11–6

New phase–lock tracking instrument for foetal breathing monitoring. Rapoport I, et al. **Med Biol Eng Comput** 1982 Jan;20(1):1–6

Activity of the pituitary–adrenal system in rat fetuses subjected to encephalectomy in early or late stages of pregnancy. Chatelain A, et al. **Neuroendocrinology** 1981 Sep;33(3):148–52

Electron microscopic study on the fetal thyroid C cells following fetal hypophyseoprivia with or without TSH and GH therapies in the rat. Eguchi Y, et al. **Nippon Juigaku Zasshi** 1981 Feb;43(1):27–36

Active and quiet periods in the preterm and term fetus. Dierker LJ Jr, et al. **Obstet Gynecol** 1982 Jul;60(1):65–70

Effect of maternal triglyceride ingestion on fetal respiratory movements. Neldam S, et al. **Obstet Gynecol** 1982 May; 59(5):641–2

Normal ultrasonic fetal weight curve. Ott WJ, et al. **Obstet Gynecol** 1982 May;59(5):603–6

The effects of nonsteroidal antiinflammatory compounds on fetal circulation and pulmonary function. Rudolph AM. **Obstet Gynecol** 1981 Nov;58(5 Suppl):63S–7S

Fetal growth and perinatal viability in California. Williams RL, et al. **Obstet Gynecol** 1982 May;59(5):624–32

Interrelation of fetus and amniotic fluid. Abramovich DR. **Obstet Gynecol Annu** 1981;10:27–43 (98 ref.)

Fetal effects of insulin. Hill DE. **Obstet Gynecol Annu** 1982; 11:133–49 (97 ref.)

Insulin levels in amniotic fluid and fetal growth. De Prins FA, et al. **Padiatr Padol** 1982;17(2):223–9

The effects of hyperphenylalaninemia on fetal development: a new animal model of maternal phenylketonuria. Brass CA, et al. **Pediatr Res** 1982 May;16(5):388–94

Umbilical cord length as an index of fetal activity: experimental study and clinical implications. Moessinger AC, et al. **Pediatr Res** 1982 Feb;16(2):109–12

Preservation of fetal brain blood flow relative to other organs during hypovolemic hypotension. Tweed WA, et al. **Pediatr Res** 1982 Feb;16(2):137–40

Birth asphyxia. I. Measurement of visual evoked potential (VEP) in the healthy fetus and newborn lamb. Woods JR Jr, et al. **Pediatr Res** 1981 Nov;15(11):1429–32

Working during pregnancy: effects on the fetus. Naeye RL, et al. **Pediatrics** 1982 Jun;69(6):724–7

In utero injection of rat fetuses. Stickrod G. **Physiol Behav** 1981 Sep;27(3):557–8

Association between fetal growth and maternal nutrition. Metcoff J. **Prog Clin Biol Res** 1981;77:629–41

Renal response to hypotonic saline load in fetal and new–born pigs. Alt JM, et al. **Q J Exp Physiol** 1982 Jan;67(1):133–41

Pancreatic beta cell function in the fetal pig and sow. Fowden AL, et al. **Q J Exp Physiol** 1982 Apr;67(2):225–33

Regulation of urine osmolality in fetal sheep. Wintour EM, et al. **Q J Exp Physiol** 1982 Jul;67(3):427–35

X irradiation in G2 phase of two–cell mouse embryos in vitro: cleavage, blastulation, cell kinetics, and fetal development. Molls M, et al. **Radiat Res** 1982 Aug;91(2):219–34

Fetal swallowing and regurgitation: observation of normal and abnormal activity. Bowie JD, et al. **Radiology** 1982 Sep;144(4):877–8

Ultrasonic evaluation of fetal limb growth: part II. Jeanty P, et al. **Radiology** 1982 Jun;143(3):751–4

Effects of long term undernutrition of the ewe on the growth rates of individual fetuses during late pregnancy. Mellor DJ, et al. **Res Vet Sci** 1982 Mar;32(2):177–80

Effects on the rate of increase in fetal girth of refeeding ewes after short periods of severe undernutrition during late pregnancy. Mellor DJ, et al. **Res Vet Sci** 1982 May; 32(3):377–82

The progressive onset of spontaneous and induced fetal breathing. Moss IR, et al. **Respir Physiol** 1981 Sep; 45(3):299–308

Functional anatomy and volume–pressure characteristics of immature lungs. Scarpelli EM, et al. **Respir Physiol** 1981 Jul;45(1):25–41

Effect of intermittent positive pressure application on the bulk modulus of the developing rabbit trachea. Bhutani VK, et al. **Respiration** 1981;41(3):192–8

Dietary restriction for the prevention of disproportion and obstructed labour among the Pedis of yester–year. Mphahlele M. **S Afr Med J** 1982 May 29;61(22):842

Antepartum fetal testing: evaluation and redefinition of criteria for clinical interpretation. Aladjem S, et al. **Semin Perinatol** 1981 Apr;5(2):145–53

The neurophysiologic and clinical implications of studies on fetal motor behavior. Comparetti AM. **Semin Perinatol** 1981 Apr;5(2):183–9

Ultrasonographic study of fetal movements. Ianniruberto A, et al. **Semin Perinatol** 1981 Apr;5(2):175–81

Fetal movements and fetal health. Sadovsky E. **Semin Perinatol** 1981 Apr;5(2):131–43

An exploration of the role of hydroxyurea injection time in fetal growth and teratogenesis in rats. Barr M JR, et al. **Teratology** 1981 Oct;24(2):163–7

The position effect of embryos in trisomy–1–producing mice. von Domarus H, et al. **Teratology** 1981 Dec;24(3):315–9

Thrombin – endothelial cell interactions: critical importance of endothelial cell vessel of origin. Goldsmith JC, et al. **Thromb Res** 1982 Jan 1 & 15;25(1–2):131–6

Induction of hepatic metallothionein in the rabbit fetus following maternal cadmium exposure. Waalkes MP, et al. **Toxicol Appl Pharmacol** 1982 Feb;62(2):211–8

Time series analysis of ultrasonic observations of gross fetal body movements during the last 10 weeks of pregnancy. Campbell K, et al. **Ultrasonic Imaging** 1981 Oct;3(4):330–41

Histological study of the fetal development of the human acetabulum and labrum: significance in congenital hip disease. Walker JM. **Yale J Biol Med** 1981 Jul–Aug; 54(4):255–63

Development of the olfactory epithelium in man. Pyatkina GA. **Z Mikrosk Anat Forsch** 1982;96(2):361–72

Stage dependency of the effect of foetal decapitation on gestation and parturition in rabbits. Chiboka O. **Zentralbl Veterinarmed [A]** 1981;28(4):338–44

[Influence of late–pregnancy toxemia on the fetus (analysis of 190 cases) (author's transl)] Wang YF. **Chung Hua Fu Chan Ko Tsa Chih** 1981 Jan;16(1):10–3 **(Chi)**

[Fetal movement recording use as a monitor of high risk pregnancy (author's transl)] Zhou MR. **Chung Hua Fu Chan Ko Tsa Chih** 1981 Apr;16(2):69–72 **(Chi)**

[The types of intrauterine foetal growth during physiological and pathological pregnancy (author's transl)] Fuchs VI, et al. **Cesk Gynekol** 1981 Feb;46(1):12–5 (Eng. Abstr.) **(Cze)**

[Fetal respiratory movements] Jungmannová C. **Cesk Gynekol** 1981 Nov;46(9):705–16 (48 ref.) **(Cze)**

[Normal human embryonic development and its sensitive periods] Karkinen–Jääskeläinen M. **Duodecim** 1981; 97(16):1226–38 **(Fin)**

[The role of the fetus in labor] Ylikorkala O, et al. **Duodecim** 1982;98(9):674–81 (58 ref.) **(Fin)**

[Normal curves of fetal biparietal and abdominal transverse diameters (author's transl)] Sarramon MF, et al. **Arch Fr Pediatr** 1981 Dec;38 Suppl 1:847–51 (Eng. Abstr.) **(Fre)**

[Intra–uterine sound and fetal auditory perception] Querleu D, et al. **Bull Acad Natl Med (Paris)** 1981 May;165(5):581–8 (Eng. Abstr.) **(Fre)**

[Auditory perception and fetal reaction to react to sound stimulation (author's transl)] Querleu D, et al. **J Gynecol Obstet Biol Reprod (Paris)** 1981;10(4):307–14 (Eng. Abstr.) **(Fre)**

[Correlations between breathing movements, motor activity and cardiac rhythm in the fetus (author's transl)] Schaaps JP, et al. **J Gynecol Obstet Biol Reprod (Paris)** 1981; 10(4):349–52 (Eng. Abstr.) **(Fre)**

[Fetal death in gilts and embryonic and fetal growth] Lutter K, et al. **Arch Exp Veterinarmed** 1981;35(5):687–95 (Eng. Abstr.) **(Ger)**

[Measuring intratracheal pressure in sheep fetuses in utero] Müller–Tyl E, et al. **Z Geburtshife Perinatol** 1981 Dec; 185(6):354–9 (Eng. Abstr.) **(Ger)**

[Cardiological problems in the neonatal period (author's transl)] von Bernuth G. **Z Geburtshife Perinatol** 1981 Aug; 185(4):200–6 (Eng. Abstr.) **(Ger)**

[Physiologic movements of the thorax in the fetus] Jakobovits A. **Orv Hetil** 1981 Aug 2;122(31):1891–3 **(Hun)**

[Relationship between fetal movements as counted by the pregnant woman and selected clinical data] Pál A, et al. **Orv Hetil** 1981 Nov 8;122(45):2767–70 **(Hun)**

[Intrauterine growth curves relating to body length and cranial and thoracic circumference: findings on 5576 newborn infants at the Ferrara Obstetrical and Gynecologic Clinic in the 3–year period 1974–1976] Santoiemma M, et al. **Ann Ostet Ginecol Med Perinat** 1981 Nov–Dec; 102(6):410–8 **(Ita)**

[Echotomographic evaluation of embryo–fetal movements] Vecchietti G, et al. **Ann Ostet Ginecol Med Perinat** 1981 Nov–Dec;102(6):398–400 **(Ita)**

[Relation between the biparietal diameter ad abdominal diameter as a method of evaluation of the intrauterine state of the fetus] Allocca G, et al. **Arch Ostet Ginecol** 1980 Sep–Oct;85(5):463–73 **(Ita)**

[Hyperprotein diet during fetal and post-natal development of rats. Histological study of the organs, evaluation of weight gain and certain blood parameters] Greco AM, et al. **Arch Sci Med (Torino)** 1981 Oct-Dec;138(4):439-44 **(Ita)**

[Increase of fetal biparietal and abdominal transverse diameters in normal pregnancy] Di Meglio A, et al. **Minerva Ginecol** 1980 Dec;32(12):1095-100 **(Ita)**

[Fetal movements and ultrasonics] Mattone PG, et al. **Minerva Ginecol** 1982 Apr;34(4):255-8 **(Ita)**

[Aspects and clinical significance of fetal breathing movements] Paladini A, et al. **Minerva Ginecol** 1980 Dec; 32(12):1120-3 **(Ita)**

[Fetal growth assessment by the real-time ultrasono-tomography (author's transl)] Asada M. **Acta Obstet Gynaecol Jpn** 1981 Jul;33(7):996-1004 (Eng. Abstr.) **(Jpn)**

[Pressures on the human fetus during labor - intrauterine and on the fetal head (author's transl)] Furuya H, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1981 Dec; 33(12):2173-81 (Eng. Abstr.) **(Jpn)**

[A study on the constitutional change of taurine and other free amino acids during the fetal development (author's transl)] Moriyama I, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1982 Jun;34(6):769-75 (Eng. Abstr.) **(Jpn)**

[Progress and problems in ultrasonic diagnosis in obstetrics (author's transl)] Sato A, et al. **Rinsho Byori** 1981; 29(10):1008-13 **(Jpn)**

[Platelets in biology and pathology during foetal and neonatal period (author's transl)] Shirahata A, et al. **Rinsho Ketsueki** 1982 Jan;23(1):1-12 (57 ref.) **(Jpn)**

[Role of the amniotic fluid in maintaining fetal homeostasis] Fedorova MV, et al. **Akush Ginekol (Mosk)** 1981 Nov; (11):9-12 (Eng. Abstr.) **(Rus)**

[Materno-fetus functional system. Experience of the systems approach to the physiology of fetal-maternal relationship] Savchenkov Iul. **Akush Ginekol (Mosk)** 1981 Jun;(6):3-7 (31 ref.) **(Rus)**

[The importance of movements for normal growth and development in the prevention of dysplastic deformations and for early treatment of luxative anomalous hip (author's transl)] Matasović T. **Ljec Vjesn** 1981;103(3):92-6 (Eng. Abstr.) **(Scr)**

[Motile activity of fetuses in risk pregnancies (author's transl)] Toldy M, et al. **Bratisl Lek Listy** 1982;77(6):687-94 (Eng. Abstr.) **(Slo)**

[Diagnosis of fetal well-being during pregnancy using utero-placental blood flow] Clavero Núñez JA. **An R Acad Nac Med (Madr)** 1981;98(2):201-10 **(Spa)**

[Influence of the preconception maternal nutritional status on fetal growth and development in rats] Araya J, et al. **Arch Latinoam Nutr** 1981 Mar;31(1):133-45 (Eng. Abstr.) **(Spa)**

[Renal function in the fetus and the newborn infant] Strauss J, et al. **Bol Med Hosp Infant Mex** 1982 Apr;39(4):243-52 (Eng. Abstr.) **(Spa)**

[Altitude and its influence on intrauterine growth curves of Chilean newborn infants] Hasbún J, et al. **Rev Chil Obstet Ginecol** 1979;44(6):290-5 **(Spa)**

[Ultrasonic fetometry in multiple pregnancy] Rodríguez N, et al. **Rev Chil Obstet Ginecol** 1979;44(5):195-201 (Eng. Abstr.) **(Spa)**

PHYSIOPATHOLOGY

Fetal respiratory movements: relationship to postnatal respiratory capacity. Neldam S. **Am J Obstet Gynecol** 1982 Apr 1;142(7):862-6

[The ultra-sound aspects of early partial detachment of the zygote (author's transl)] Villière J, et al. **J Gynecol Obstet Biol Reprod (Paris)** 1981;10(7):683-93 (Eng. Abstr.) **(Fre)**

RADIATION EFFECTS

2-Mercaptopropionylglycine protection against growth-inhibiting effects in utero irradiated mice. Dev PK, et al. **Acta Anat (Basel)** 1982;112(3):249-53

Microcephaly, mental retardation and chromosomal aberrations in a girl following radiation therapy during late fetal life. Gustavson KH, et al. **Acta Radiol [Oncol]** 1981; 20(3):209-12

Estimation and minimization of fetal absorbed dose: data from common radiographic examinations. Ragozzino MW, et al. **AJR** 1981 Oct;137(4):667-71

Regeneration and recovery in the fetal nervous system after radiation injury. D'Amato CJ. **Exp Neurol** 1982 Jun; 76(3):457-67

Consequences of pre-natal radiation exposure for post-natal development. A review. Mole RH. **Int J Radiat Biol** 1982 Jul;42(1):1-12 (26 ref.)

Measurement and calculation of ovary and fetus dose in extended field radiotherapy for 10 MV x rays. Sharma SC, et al. **Int J Radiat Oncol Biol Phys** 1981 Jun;7(6):843-6

Fetal murine hemopoiesis following in utero low-dose irradiation. Weinberg SR, et al. **J Embryol Exp Morphol** 1981 Apr;62:37-46

Effect of prenatal X-irradiation on sensitivity of cortical neurons responding to vibrissa stimulation. Ito M, et al. **J Neurophysiol** 1981 Oct;46(4):716-24

Acute lymphoblastic leukaemia (A.L.L) following radiation during pregnancy. Hashmi KZ. **JPMA** 1981 Aug; 31(8):179-80

X-ray-induced recessive lethal mutations in adult and foetal female mice. Lüning KG, et al. **Mutat Res** 1982 Feb 22; 92(1-2):169-80

Effects of 2.45 GHz CW microwave radiation on embryofetal development in mice. Nawrot PS, et al. **Teratology** 1981 Dec;24(3):303-14

[Radiodiagnosis in the pregnant woman] Laugier A, et al. **J Radiol** 1981 Nov;62(11):562-5 **(Fre)**

[Studies about the exposure to radiation of the fetus in case of X-ray examination during gravidity (author's transl)] Finzel GT, et al. **Strahlentherapie** 1981 Dec;157(12):833-43 (Eng. Abstr.) **(Ger)**

[Embryo-fetal effects of radiations] Grio R, et al. **Minerva Ginecol** 1981 Jul-Aug;33(7-8):737-40 (Eng. Abstr.) **(Ita)**

RADIOGRAPHY

Influence of 90Sr-contaminated milk on the ovaries of foetal and young mice. Rönnbäck C. **Acta Radiol [Oncol]** 1981; 20(2):131-5

The assessment of gestational age and litter size in the guinea pig using a radiographic method. Thomas CR, et al. **Placenta** 1982 Jan-Mar;3(1):91-8

Amniography in prenatal diagnosis. Balsam D, et al. **Radiology** 1981 Nov;141(2):379-85

Pelvimetry by digital radiography: a low-dose examination. Federle MP, et al. **Radiology** 1982 Jun;143(3):733-5

[Report on 12 cases of amniography and fetography (author's transl)] Zhu XG. **Chung Hua Fu Chan Ko Tsa Chih** 1981 Jan;16(1):26-8 **(Chi)**

[Transient hypothyroidism after amniofetography in preterm and newborn infants (author's transl)] Miething R. **Klin Padiatr** 1981 Sep;193(5):372-4 (Eng. Abstr.) **(Ger)**

SURGERY

Decapitation and vaginal delivery for impacted transverse lie in late labour: reports of 4 cases. Marsden DE, et al. **Aust NZ J Obstet Gynaecol** 1982 Feb;22(1):46-9

Histogenesis of yolk sac carcinoma induced by fetectomy in the rat. Teshima S, et al. **Gan** 1981 Aug;72(4):524-30

Fetal surgery in the primate I. Anesthetic, surgical, and tocolytic management to maximize fetal-neonatal survival. Harrison MR, et al. **J Pediatr Surg** 1982 Apr;17(2):115-22

The biologic response to standard suture materials in the skin of fetal rabbits. Santoro S, et al. **J Surg Res** 1982 Sep; 33(3):258-64

Technology in search of a patient [letter] Friedman AL. **N Engl J Med** 1982 Aug 26;307(9):565

Fetal surgery for congenital hydronephrosis. Harrison MR, et al. **N Engl J Med** 1982 Mar 11;306(10):591-3

In utero allogeneic bone transplantation in primates: roentgenographic and histological observations. Michejda M, et al. **Transplantation** 1981 Aug;32(2):96-100

ULTRASTRUCTURE

The pars distalis (anterior pituitary) in the fetal sheep: an ultrastructural study. Webb PD. **J Dev Physiol** 1981 Oct; 3(5):319-32

The pars intermedia (intermediate lobe of the pituitary) in the fetal sheep: an ultrastructural study. Webb PD. **J Dev Physiol** 1981 Oct;3(5):309-18

Fine structural and morphometric studies of the Merkel cell during fetal and postnatal development. Ochiai T, et al. **J Invest Dermatol** 1981 Dec;77(6):437-43

[Morphological picture of embryonal and fetal gonads versus the embryonal karyotype] Kędzia H, et al. **Ginekol Pol** 1981 Jul;52(7):573-84 (Eng. Abstr.) **(Pol)**

FEVER

see related
ANALGESICS, ANTI-INFLAMMATORY
ANTI-INFLAMMATORY AGENTS

Febrile neutrophilic dermatosis associated with acute leukemia. Behm FG, et al. **Am J Clin Pathol** 1981 Sep; 76(3):344-7

Neural tube defects and maternal hyperthermia in early pregnancy: epidemiology in a human embryo population. Shiota K. **Am J Med Genet** 1982 Jul;12(3):281-8

[Impact of localized microwave hyperthermia on the pH-distribution in malignant tumors (author's transl)] Vaupel P. **Strahlentherapie** 1982 Mar;158(3):168-73 (Eng. Abstr.) **(Ger)**

BLOOD

Effect of endotoxin fever on plasma clearance of thyroxine and tri-iodothyronine: concise communication. Elson MK, et al. **J Nucl Med** 1982 Mar;23(3):241-4

[Effect of hyperthermia and methylprednisolone acetate on circulating thrombocytes in mice] Nakamura W, et al. **C R Soc Biol (Paris)** 1981;175(6):895-903 (Eng. Abstr.) **(Fre)**

[Cholesterolemia and pyrexy (author's transl)] Rautureau J, et al. **Pathol Biol (Paris)** 1981 Dec;29(10):613-6 (Eng. Abstr.) **(Fre)**

CHEMICALLY INDUCED

Reliability of the rabbit pyrogen test and of the limulus test in predicting the pyrogenicity of vaccines in man. Nyerges G, et al. **Acta Microbiol Acad Sci Hung** 1981;28(3):235-43

Absence of endotoxin fever but not prostaglandin E2 fever in the Brattleboro rat. Eagan PC, et al. **Am J Physiol** 1982 Jan;242(1):R116-20

Arachidonate-induced hydrocephalus and hyperthermia: 'dilutional tolerance' to centrally injected pyrogen and PGE1. Clark WG, et al. **Brain Res Bull** 1981 Nov; 7(5):515-8

Age-related differences in the febrile response of the New Zealand White rabbit to endotoxin. Ferguson AV, et al. **Can J Physiol Pharmacol** 1981 Jun;59(6):613-4

Streptozocin-induced eosinophilia and fever: a case report [letter] Shah KA, et al. **Cancer Treat Rep** 1982 Jun; 66(6):1449-51

Mild intravasal haemolysis associated with flu-syndrome during intermittent rifampicin treatment. Mattson K, et al. **Eur J Respir Dis** 1982 Jan;63(1):68-72

Increased intraocular pressure and hyperthermia following administration of substance P into rabbit third ventricle. Krupin T, et al. **Exp Eye Res** 1982 Mar;34(3):319-24

Biological activity of a new synthetic muramyl peptide adjuvant devoid of pyrogenicity. Chedid LA, et al. **Infect Immun** 1982 Feb;35(2):417-24

Drug fever due to nomifensine treatment in patients with endogenous depression. Nielsen JL, et al. **Int Pharmacopsychiatry** 1981;16(1):66-8

Role of prostaglandin E in the biphasic fever response to endotoxin. Skarnes RC, et al. **J Exp Med** 1981 Oct 1; 154(4):1212-24

Demonstration of a circulating suppressor factor of thymocyte proliferation during endotoxin fever in humans. Dinarello CA, et al. **J Immunol** 1981 Dec;127(6):2517-9

Sensitization to the hyperthermic and catecholamine-releasing effects of morphine. Mansfield JG, et al. **Life Sci** 1981 Oct 19;29(16):1697-704

Bole of adrenals in morphine-induced hyperthermia in restrained rats. Wallenstein MC. **Life Sci** 1982 Apr 12; 30(15):1287-95

Febrile reaction to silver sulphadiazine cream [letter] Clarke AM. **Med J Aust** 1981 Oct 31;2(9):456

Febrile reaction to silver sulphadiazine cream [letter] Clarke SD, et al. **Med J Aust** 1981 Aug 22;2(4):208

'Neuroleptic malignant syndrome' [letter] Dinnen A. **Med J Aust** 1982 Jan 23;1(2):61

The neuroleptic malignant syndrome. Schrader G, et al. **Med J Aust** 1981 Oct 31;2(9):494

Neuroleptic malignant syndrome [letter] Zito G. **Neurology (NY)** 1981 Nov;31(11):1500

Drug-induced fever: cases seen in the evaluation of unexplained fever in a general hospital population. Young EJ, et al. **Rev Infect Dis** 1982 Jan-Feb;4(1):69-77

Dinitrophenol poisoning: a diagnosis to consider in undiagnosed fever. Leftwich RB, et al. **South Med J** 1982 Feb;75(2):182-4

Multiform quinidine toxicity. Tiliakos N, et al. **South Med J** 1981 Oct;74(10):1267-8

COMPLICATIONS

Fever and infection after cardiac operation. Pien F, et al. **Ann Thorac Surg** 1982 Apr;33(4):382-4

Piperacillin plus amikacin therapy v carbenicillin plus amikacin therapy in febrile, granulocytopenic patients. Winston DJ, et al. **Arch Intern Med** 1982 Sep;142(9):1663-7

Transient polyradiculoneuropathy following a febrile transfusion reaction. Ritch PS, et al. **Arch Neurol** 1982 Sep; 39(9):597-8

Otitis media and fever [letter] **JAMA** 1982 Feb 19; 247(7):978-9

Neurologic findings with maternal hyperthermia [letter] Bennett FC. **Pediatrics** 1982 Jan;69(1):128-9

Occipital encephalocele and early gestational hyperthermia. Fisher NL, et al. **Pediatrics** 1981 Oct;68(4):480-3

Episodic sleep disorder triggered by fever--a case presentation. Vela Bueno A, et al. **Waking Sleeping** 1980 Jul-Sep;4(3):243-51

[EEG analysis and prognosis in 125 cases of non-hyperpyretic seizures occurring in children under three (author's transl)] Samson-Dollfus D, et al. **Rev Electroencephalogr Neurophysiol Clin** 1981 Dec; 11(3-4):425-30 (Eng. Abstr.) **(Fre)**

[Sweet's syndrome: report of two cases (author's transl)] Miró Meda JM, et al. **Med Clin (Barc)** 1981 Jun 25;77(2):77-80 (Eng. Abstr.) **(Spa)**

DIAGNOSIS

Localized amniotic fluid embolism presenting as ovarian vein thrombosis and refractory postoperative fever. Kern SB, et al. **Am J Clin Pathol** 1981 Oct;76(4):476-80

Implications of leukocytosis and fever at conclusion of antibiotic therapy for intra-abdominal sepsis. Lennard ES, et al. **Ann Surg** 1982 Jan;195(1):19-24

Breast thermography. Nyirjesy I. **Clin Obstet Gynecol** 1982 Jun;25(2):401-8

Diagnostic styles of attending pediatricians, residents, and nurses in evaluating febrile children. McCarthy PL, et al. **Clin Pediatr (Phila)** 1982 Sep;21(9):534-7

An evaluation of a plastic strip thermometer. Lewit EM, et al. **JAMA** 1982 Jan 15;247(3):321-5

Neonatal fever [letter] Huston TP. **Pediatrics** 1982 Sep; 70(3):505

Fever in full-term newborns in the first four days of life.

Voora S, et al. **Pediatrics** 1982 Jan;69(1):40–4
Sweet's syndrome: report of two atypical cases. Schiff BL, et al. **Postgrad Med** 1982 Jan;71(1):55–60
[Temperature gradients and their importance in the early differentiation between endogenous and exogenous hyperthermia in newborn infants] Nekvasil R, et al. **Cesk Pediatr** 1982 Mar;37(3):117–20 (Eng. Abstr.) **(Cze)**
[Typical fever course in infections. Diagnostic significance] Kern P. **ZFA (Stuttgart)** 1981 Oct 31;57(30):2039–44 **(Ger)**
[Fever in endocrinological disorders] Ben-Haim S, et al. **Harefuah** 1982 Feb 1;102(3):120–3 (65 ref.) **(Heb)**
[Thyrotoxicosis with stable hyperthermic reaction] Tsarikovskaia NG, et al. **Probl Endokrinol (Mosk)** 1981; 27(6):43–4 **(Rus)**

DRUG THERAPY

Influence of centrally administered taurine on thermoregulation and fever. Lipton JM. **Adv Exp Med Biol** 1981;139:373–87
Antipyretic effects of indomethacin in liver metastases of solid tumors. Bredt AB, et al. **Cancer** 1982 Oct 1; 50(7):1430–3
Efficacy of the tobramycin – cotrimoxazole – cephalothin combination for febrile episodes in leukemic patients with granulocytopenia. Mozzana R, et al. **Haematologica (Pavia)** 1981 Oct;66(5):634–44
Principles of empiric antibiotic usage in febrile patients with granulocytopenia. Wade JC. **J Antimicrob Chemother** 1982 Jan;9 Suppl A:215–22
The use of diclofenac sodium (Voltaren) suppositories as an antipyretic in children with fever due to acute infections: a double-blind, between-patient, placebo-controlled study. Polman HA, et al. **J Int Med Res** 1981;9(5):343–8
The treatment of fever. Pesanti E, et al. **J Iowa Med Soc** 1981 Nov;71(11):499–500
Lithium carbonate for recurrent fever and neutropenia. Gerner RH, et al. **JAMA** 1981 Oct 2;246(14):1584–6
Cardiovascular and respiratory function values in hyperthermia: the effect of beta-receptor blockade with bunitrolol. Bühring M, et al. **Klin Wochenschr** 1982 Jun 15;60(12):617–23
Central and peripheral injections of ACTH (1–24) reduce fever in adrenalectomized rabbits. Zimmer JA, et al. **Peptides (Fayetteville)** 1981 Winter;2(4):413–7
[Neuroleptic malignant syndrome. Beneficial effects of dantrolene on hyperthermia and hypertonia (author's transl)] de Rohan Chabot P, et al. **Nouv Presse Med** 1982 Mar 27;11(14):1067–9 (Eng. Abstr.) **(Fre)**
[Efficacy of indomethacin in neoplastic fever (letter)] Martin JP, et al. **Nouv Presse Med** 1982 Jan 30;11(4):279–80 **(Fre)**
[Paracetamol in oral solution: effectiveness against fever and tolerance in children with measles (author's transl)] Bensaude I, et al. **Sem Hop Paris** 1982 Mar 18;58(11):693–4 (Eng. Abstr.) **(Fre)**
[An empirical combination of antibiotics used in aplasias during chemotherapy for acute malignant hemopathies (author's transl)] Fiere D, et al. **Sem Hop Paris** 1982 Jan 21;58(3):139–42 (Eng. Abstr.) **(Fre)**

ETIOLOGY

Reliability of the rabbit pyrogen test and of the limulus test in predicting the pyrogenicity of vaccines in man. Nyerges G, et al. **Acta Med Acad Sci Hung** 1981;38(3):235–43
Mechanisms of fever occurring in migraine. Jacob J. **Adv Neurol** 1982;33:127–33
Role of serial microbiologic surveillance and clinical evaluation in the management of cancer patients with fever and granulocytopenia. Kramer BS, et al. **Am J Med** 1982 Apr;72(4):561–8
Fever in renal transplant recipients: causes, prognostic significance and changing patterns at the University of Minnesota Hospital. Peterson PK, et al. **Am J Med** 1981 Sep;71(3):345–51
Hyperthermia from a near hanging. Calvanese JC, et al. **Ann Emerg Med** 1982 Mar;11(3):152–5
Hodgkin's disease, hypothyroidism, and hyperthermia [letter] Arkel YS, et al. **Ann Intern Med** 1982 May;96(5):682
Complications of postoperative intrapleural BCG in lung cancer. Bakker W, et al. **Ann Thorac Surg** 1982 Mar; 33(3):267–72
Acute pyrogenic reaction in illicit drug users [letter] Blanck RR, et al. **Arch Intern Med** 1982 Aug;142(8):1583–2
Diagnostic features of early high post-laparotomy fever: a prospective study of 100 patients. Le Gall JR, et al. **Br J Surg** 1982 Aug;69(8):452–5
Significance of early postoperative fever in children. Fraser I, et al. **Br Med J [Clin Res]** 1981 Nov 14;283(6302):1299
Thermoregulatory disorders after removal of a craniopharyngioma from the third cerebral ventricle. Lipton JM, et al. **Brain Res Bull** 1981 Oct;7(4):369–73
Fever and new lung infiltrates in the immunocompromised host. Fanta CH, et al. **Clin Chest Med** 1981 Jan;2(1):19–39 (130 ref.)
Fever in acute myelogenous leukemia. Sadowitz PD, et al. **Clin Pediatr (Phila)** 1982 Jun;21(6):355–8
Spiking fever and rash in a postpartum patient. Lauter CB, et al. **Hosp Pract** 1982 Sep;17(9):163,169,175
Outpatient identification of children with bacteremia [letter] Lorin MI. **J Pediatr** 1982 Mar;100(3):510–1
Unexplained fevers in patients with nasotracheal intubation. Knodel AR, et al. **JAMA** 1982 Aug 20;248(7):868–70
Fever and infection in spinal cord injury patients. Sugarman B, et al. **JAMA** 1982 Jul 2;248(1):66–70
Isolation of Mycoplasma hominis from the blood of men with multiple trauma and fever. Ti TY, et al. **JAMA** 1982 Jan 1;247(1):60–1
Blisters, pruritus, and fever after bites by the Arabian tick Ornithodoros (Alectorobius) muesebecki. Hoogstraal H, et al. **Lancet** 1982 Aug 7;2(8293):288–9
Drug fever in severe combined immunodeficiency: a dilemma [letter] Peerless AG. **Lancet** 1981 Sep 19;2(8247):638
Fever in the pediatric and young adult patient with cancer. A prospective study of 1001 episodes. Pizzo PA, et al. **Medicine (Baltimore)** 1982 May;61(3):153–65
Anhidrotic ectodermal dysplasia; fever in a neonate. Estrada R, et al. **NY State J Med** 1981 Nov;81(12):1791–3
Fever origins in the tropics. Odio WT, et al. **Scand J Infect Dis** 1982;14(1):79–80
Zika virus, a cause of fever in Central Java, Indonesia. Olson JG, et al. **Trans R Soc Trop Med Hyg** 1981;75(3):389–93
The use of microaggregate filtration in the prevention of febrile transfusion reactions. Schned AR, et al. **Transfusion** 1981 Nov–Dec;21(6):675–81
Fever as initial manifestation of prostatic carcinoma. Nakamura J, et al. **Urology** 1982 Jan;19(1):72–3
Febrile transfusion reaction: what blood component should be given next? Menitove JE, et al. **Vox Sang** 1982; 42(6):318–21
[Drug fever during treatment with nomifensine (Alival)] Nielsen JL, et al. **Ugeskr Laeger** 1981 May 24; 143(21):1328–9 (Eng. Abstr.) **(Dan)**
[Drug fever due to a new antidepressent, nomifensine (Alival)] Weihe P, et al. **Ugeskr Laeger** 1981 May 24; 143(21):1330–1 (Eng. Abstr.) **(Dan)**
[Anatomo-clinical conference at the Pitié-Salpêtrière. Fever, change in the general state and pulmonary nodules in a 77-year-old woman] Cabane J, et al. **Ann Med Interne (Paris)** 1982;133(3):207–15 **(Fre)**
[Pitié-Salpêtrière clinico-anatomic conference. Fever and hyponatremia in a 69 year-old woman suffering from chronic myeloid leukemia] Guillevin L, et al. **Ann Med Interne (Paris)** 1981;132(3):215–20 **(Fre)**
[Febrile mononucleosis after cardiac surgery. A clinical study of 15 cases of cytomegalovirus infection] Roux M, et al. **Arch Mal Coeur** 1981 Aug;74(8):961–7 (Eng. Abstr.) **(Fre)**
[Pure febrile forms of amebic abscess of the liver without hyperleukocytosis [letter]] Vittecoq D, et al. **Nouv Presse Med** 1982 Jul 3;11(31):2355 **(Fre)**
[Diagnosis of fever in a patient returning from black Africa (author's transl)] Chagnon A. **Sem Hop Paris** 1982 Feb 18;58(7):427–34 (Eng. Abstr.) **(Fre)**
[Granulomatous histiocytosis in a 70-year-old woman, revealed by prolonged fever ; osseous lesions in the femur and tibia were associated with diabetes insipidus and hypernatremia (author's transl)] Grimaldi A, et al. **Sem Hop Paris** 1982 Mar 4;58(9):554–8 (Eng. Abstr.) **(Fre)**
[Pyrexia during delivery (author's transl)] Schmidt W, et al. **Geburtshilfe Fraunheilkd** 1981 Nov;41(11):804–8 (Eng. Abstr.) **(Ger)**
[Specific side effects of intravenous narcotic agents (porphyria, hyperpyrexia, vascular damage, histamines)] Doenicke A. **Klin Anasthesiol Intensivther** 1981;23:192–213 **(Ger)**
[Case report of a patient with intermittent fever, leucopenia and terminal fungal sepsis (author's transl)] Lenzhofer R, et al. **Wien Klin Wochenschr** 1981 Feb 20;93(4):138–41 (Eng. Abstr.) **(Ger)**
[Fever in urology] Asbach HW, et al. **ZFA (Stuttgart)** 1981 Oct 31;57(30):2035–8 **(Ger)**
[Fever in endocrine] Geisthövel W. **ZFA (Stuttgart)** 1981 Oct 31;57(30):2053–8 **(Ger)**
[Bronchopulmonary infection with fever] Rieben FW. **ZFA (Stuttgart)** 1981 Oct 31;57(30):2027–34 **(Ger)**
[Exanthemas with fever – in infections – and childhood diseases – in drug therapy] Schwanitz HJ, et al. **ZFA (Stuttgart)** 1981 Oct 31;57(30):2045–52 **(Ger)**
[Hyperthermia in internal medicine] Vorob'ev AI, et al. **Ter Arkh** 1981;53(10):4–14 **(Rus)**
[Significance of fever in systemic lupus erythematosus in childhood] Urdaneta Carruyo E, et al. **Bol Med Hosp Infant Mex** 1982 Apr;39(4):269–72 (Eng. Abstr.) **(Spa)**
[Fever in the post-operative period (author's transl)] Soto S. **Rev Med Chil** 1981 Aug;109(8):753–6 (Eng. Abstr.) **(Spa)**
[Fever in neutropenic patients: analysis of 109 episodes and 15 superinfections (author's transl)] Baro J, et al. **Sangre (Barc)** 1981;26(4):417–26 (Eng. Abstr.) **(Spa)**

IMMUNOLOGY

Sensitivity of human natural killer cells to hyperthermia. Azocar J, et al. **Lancet** 1982 Jan 2;1(8262):16–7

METABOLISM

Insensible water loss from the respiratory tract in patients with fever. Reithner L. **Acta Chir Scand** 1981;147(3):163–7
Molecular basis of fever in humans. Dinarello CA, et al. **Am J Med** 1982 May;72(5):799–819 (253 ref.)
Synthesis of a heat shock protein in the microvascular system of the rabbit brain following elevation of body temperature. Inasi BS, et al. **Biochem Biophys Res Commun** 1982 Jun 15;106(3):881–7
The effect of fever on antipyrine metabolism in children. Forsyth JS, et al. **Br J Clin Pharmacol** 1982 Jun;13(6):811–5
Epididymal fat cyclic-GMP levels during hyperthermia in normal and diabetic rats. Kampa LL, et al. **Horm Metab Res** 1982 Apr;14(4):223
The effect of fever on central alpha-MSH concentrations in the rabbit. Samson WK, et al. **Peptides (Fayetteville)** 1981 Winter;2(4):419–23
Efficacy, disposition and pharmacodynamics of aspirin, acetaminophen and choline salicylate in young febrile children. Wilson JT, et al. **Ther Drug Monit** 1982; 4(2):147–80

MICROBIOLOGY

Presenting symptoms of patients with active pulmonary tuberculosis in Singapore. Goh EH. **Ann Acad Med Singapore** 1981 Jan;10(1):56–62

OCCURRENCE

Childhood hyperpyrexia in Benin City, Nigeria. Obi JO, et al. **J Trop Med Hyg** 1982 Jun;85(3):115–7
A prospective analysis of hospital-acquired fever in obstetric and gynecologic patients. Klimek JJ, et al. **JAMA** 1982 Jun 25;247(24):3340–3

PHYSIOPATHOLOGY

Arterial blood pressure and electric activity of aortic nerves in rabbits during hyperthermia. Samek D, et al. **Acta Physiol Pol** 1981 Sep–Oct;32(5):487–500
Experimentally induced fever and mammary blood flow in lactating goats. Burvenich C, et al. **Arch Int Pharmacodyn Ther** 1981 Oct;253(2):317–8
Head-temperature effects on physiology, comfort, and performance during hyperthermia. Nunneley SA, et al. **Aviat Space Environ Med** 1982 Jul;53(7):623–8
Mutual connections of the raphe system and hypothalamus in relation to fever. Petrovický P, et al. **Brain Res Bull** 1981 Aug;7(2):131–49
5-HT receptors and hyper- or hypothermia: elucidation by catecholamine antagonists injected into the cat hypothalamus. Ruwe WD, et al. **Brain Res Bull** 1982 Jan; 8(1):79–86
Fever and survival in the rat. The effect of enhancing the cold defence response. Banet M. **Experientia** 1981; 37(9):985–6
Fever and survival in the rat. Metabolic versus temperature response. Banet M. **Experientia** 1981 Dec 15;37(12):1302–4
Neurophysiology of fever. Stitt JT. **Fed Proc** 1981 Dec; 40(14):2835–42
Arginine vasopressin and endogenous antipyresis: evidence and significance. Veale WL, et al. **Fed Proc** 1981 Nov; 40(13):2750–3
Unusual features of infections in the aging. Finkelstein MS. **Geriatrics** 1982 Apr;37(4):65–7, 71–5, 78
Effects of hyperthermic temperatures on monosynaptic and polysynaptic reflex responses. Bhattacharya N, et al. **Indian J Med Res** 1981 Mar;73:464–8
Elevation of nasal viral levels by suppression of fever in ferrets infected with influenza viruses of differing virulence. Husseini RH, et al. **J Infect Dis** 1982 Apr;145(4):520–4
Fever and evoked potentials in multiple sclerosis. Kazis A, et al. **J Neurol** 1982;227(1):1–10
A norepinephrine-cyclic AMP link in the hypothalamic pathways which mediate fever induced by endotoxin and prostaglandin E2 in the rat. Lin MT, et al. **J Pharmacol Exp Ther** 1982 Jul;222(1):251–7
Systolic time intervals in febrile states. Abdullah AK, et al. **Jpn Heart J** 1981 Sep;22(5):739–45
Vasopressin: a homeostatic effector in the febrile process. Kasting NW, et al. **Neurosci Biobehav Rev** 1982 Summer; 6(2):215–22
Effects of 5,7-dihydroxytryptamine and 6-hydroxydopamine on fever response in conscious rats. Matuszek M, et al. **Pol J Pharmacol Pharm** 1981 Oct;33(3):305–12
Effects of systemic hyperthermia on the growth patterns of experimental neoplasms. Bland KI, et al. **Surgery** 1982 Apr; 91(4):452–8
[Lectures: the interaction between endocrinology and internal medicine (author's transl)] Kuang AK. **Chung Hua Nei Ko Tsa Chih** 1981 Apr;20(4):236–46 **(Chi)**
[Fever and its significance] Hissa R, et al. **Duodecim** 1981; 97(6):306–17 **(Fin)**
[Cholesterolemia and pyrexy (author's transl)] Rautureau J, et al. **Sem Hop Paris** 1982 Apr 1;58(13):799–802 (Eng. Abstr.) **(Fre)**
[Fever – physiology, pathology, therapy] Joder P. **ZFA (Stuttgart)** 1981 Oct 31;57(30):2021–6 **(Ger)**
[Cerebral bioelectric activity and urinary catecholamine elimination in thermal stress in children] Stratone A, et al. **Rev Med Chir Soc Med Nat Iasi** 1981;85(1):113–6 (Eng. Abstr.) **(Rum)**
[Comparative characteristics of respiratory and circulatory changes in acutely hyperthermic cats] Tashliev VA, et al. **Fiziol Zh SSSR** 1982 Mar;68(3):405–10 (Eng. Abstr.) **(Rus)**

PREVENTION & CONTROL

The effects of intracerebroventricular cycloheximide on protein synthesis and fever in rabbits. Cranston WI, et al. **Br J Pharmacol** 1981 May;73(1):6–8

Prevention of urinary tract infection and sepsis following transrectal prostatic biopsy. Crawford ED, et al. **J Urol** 1982 Mar;127(3):449–51

THERAPY

Therapy of acute fever: a comparative approach. Donaldson JF. **Hosp Pract** 1981 Sep;16(9):125–9, 133, 136–8U

After-hours management of febrile children. Blake RL Jr, et al. **J Fam Pract** 1981 Oct;13(5):613–7

VETERINARY

Pharmacokinetics of sulphadimidine in normal and febrile dogs. Riffat S, et al. **J Vet Pharmacol Ther** 1982 Jun; 5(2):131–5

Endotoxin-elicited fever and anorexia and elfazepam-stimulated feeding in sheep. Baile CA, et al. **Physiol Behav** 1981 Aug;27(2):271–7

Pyrexia in response to Rhipicephalus appendiculatus infestation in calves. Lutu WZ. **Trop Anim Health Prod** 1982 Feb;14(1):37–43

Zinc concentration in plasma during experimental Salmonella dublin infection and endotoxin induced fever in calves. Groothuis DG, et al. **Vet Rec** 1981 Aug 29;109(9):176–7

High-fever syndrome in pigs. Pedersen KB, et al. **Vet Rec** 1981 Dec 12;109(24):537

FEVER BLISTER VIRUS see HERPESVIRUS HOMINIS

FEVER OF UNKNOWN ORIGIN

CHEMICALLY INDUCED

Potassium iodide as a cause of prolonged fever. Kurtz SC, et al. **Arch Intern Med** 1982 Aug;142(8):1543–4

CLASSIFICATION

[So-called fevers of unknown origin: conceptual and terminological precision] Munar Qués M. **Med Clin (Barc)** 1982 Feb 10;78(3):118–9 **(Spa)**

DIAGNOSIS

Laparoscopy in fever of unknown origin – study of seventy cases. Solis-Herruzo JA, et al. **Endoscopy** 1981 Sep; 13(5):207–10

Fever of unknown origin: diagnostic principles. Musher DM. **Hosp Pract** 1982 Jun;17(6):89–95

The complaint of persistent fever. Recognition and management of pseudo fever of unknown origin. Kleiman MB. **Pediatr Clin North Am** 1982 Feb;29(1):201–8

[Elevated temperature in the first month of life (editorial)] Reisner SH, et al. **Harefuah** 1981 Jul;101(1–2):32–3 **(Heb)**

[Diagnosis of fever of unknown origin (paracancerous syndrome)] Finci L, et al. **Srp Arh Celok Lek** 1980 May; 108(5):527–34 **(Scc)**

[Undiagnosed inflammatory (febrile) conditions in children] Horanský V. **Cesk Pediatr** 1982 Jun;37(6):327–8 (Eng. Abstr.) **(Slo)**

[Diagnostic value of abdominal ultrasonography in fever of unknown origin. (author's transl)] Gaspar G, et al. **Med Clin (Barc)** 1981 Sep 10;77(4):153–7 (Eng. Abstr.) **(Spa)**

ETIOLOGY

Empiric antibiotic and antifungal therapy for cancer patients with prolonged fever and granulocytopenia. Pizzo PA, et al. **Am J Med** 1982 Jan;72(1):101–11

Giant cell arteritis (temporal arteritis) presenting as fever of undetermined origin. Calamia KT, et al. **Arthritis Rheum** 1981 Nov;24(11):1414–8

Phaeochromocytoma presenting as pyrexia of undetermined origin: diagnosis using gallium-67. Dawson J, et al. **Br Med J [Clin Res]** 1982 Apr 17;284(6323):1164

Fever of unknown origin in the elderly. Cunha BA. **Geriatrics** 1982 Jun;37(6):30–6, 39–40, 44

Fever and anemia of unknown origin. Dietrich JE, et al. **Hosp Pract** 1982 Jul;17(7):134–5, 139

A pneumonia and fever that defied treatment. Gurwith M. **Hosp Pract** 1982 Jun;17(6):60, 65

Generalized lymphadenopathy and fever of undetermined origin [clinical conference] Shank JC, et al. **J Fam Pract** 1981 Oct;13(5):725–9

Progressive disseminated histoplasmosis. A case presenting as fever of unknown origin. Tawadros H, et al. **J Kans Med Soc** 1981 Dec;82(12):559–63

Fever of undetermined origin: diagnosis and follow-up of 105 cases, 1970–1980. Larson EB, et al. **Medicine (Baltimore)** 1982 Sep;61(5):269–92

Epidemic histoplasmosis in patients with undifferentiated fever. Burke DS, et al. **Milit Med** 1982 Jun;147(6):466–7

Pyrexia of unknown origin. Presenting sign of hypothalamic hypopituitarism. Marilus R, et al. **Postgrad Med J** 1981 May;57(667):310–3

Legionnaires' disease and fever of unknown origin. Gump DW. **Scand J Infect Dis** 1982;14(1):75–8

[Leiomyosarcoma of the inferior vena cava disclosed by a febrile syndrome (letter)] Flores Torre M, et al. **Nouv Presse Med** 1981 Nov 21;10(42):3493 **(Fre)**

[Prolonged fevers of unknown origin (author's transl)] Isaac B, et al. **Nouv Presse Med** 1981 Nov 7;10(40):3311–7 (50 ref.) **(Fre)**

[Recurrent fever of unknown etiology lasting more than 6 months. Report on 85 patients] Winckelmann G, et al. **Dtsch Med Wochenschr** 1982 Jul 2;107(26):1003–7 (Eng. Abstr.) **(Ger)**

[A 17-year-old patient with antibiotic-resistant fever and foudroyant pulmonary insufficiency] Antoni DH, et al. **Internist (Berlin)** 1981 Dec;22(12):754–7 **(Ger)**

[Fever of unknown origin with arthralgia and exanthema, herpes labialis, encephalopathy with myoclonus, acute kidney failure (clinical conference)] Strohmeyer G, et al. **Internist (Berlin)** 1981 Sep;22(9):568–77 **(Ger)**

[Still syndrome in adults. A contribution to the differential diagnosis of 'fever of unknown origin'] Kaufmann S, et al. **Med Welt** 1981 Nov 6;32(45):1692–7 **(Ger)**

[Fever of obscure etiology in young and older children] Briazgunov IP, et al. **Pediatriia** 1981;(8):54–7 **(Rus)**

[Differential diagnosis of fever of unknown origin in the clinical manifestations of internal diseases] Suchkov AV, et al. **Ter Arkh** 1981;53(7):58–62 (Eng. Abstr.) **(Rus)**

[The role of liver biopsy in the study of patients with fever of unknown origin (author's transl)] Bruguera M, et al. **Med Clin (Barc)** 1981 Jul 15;77(3):115–7 (Eng. Abstr.) **(Spa)**

[Factitious fever as the causal agent for fever of unknown origin (author's transl)] Ferrer Iturralde J, et al. **Med Clin (Barc)** 1982 Mar 16;78(6):221–5 (Eng. Abstr.) **(Spa)**

[Critical study of fever of unknown origin (FUO) (author's transl)] Maradona Hidalgo JA, et al. **Med Clin (Barc)** 1982 Jan 10;78(1):9–12 (Eng. Abstr.) **(Spa)**

[Fever of unknown origin: true dimensions of the diagnostic problem (author's transl)] Segura F, et al. **Med Clin (Barc)** 1981 Sep 10;77(4):150–2 (Eng. Abstr.) **(Spa)**

[Giant cell arteritis and fever of unknown origin (author's transl)] Villalta J, et al. **Med Clin (Barc)** 1981 Nov 10; 77(8):322–6 (Eng. Abstr.) **(Spa)**

[Fever of unknown origin. Etiological, clinical and biological analysis of 59 cases] Coca A, et al. **Rev Clin Esp** 1981 Sep 30;162(6):275–81 (Eng. Abstr.) **(Spa)**

[Fever of unknown origin. Our 5 year case series] Cuesta Muñoz J, et al. **Rev Clin Esp** 1981 Jul 15–31;162(1–2):33–8 (Eng. Abstr.) **(Spa)**

[Fever of unexplained origin—background and analysis] Svärdsudd K. **Lakartidningen** 1981 Aug 19;78(34):2835–8 (Eng. Abstr.) **(Swe)**

PATHOLOGY

[Diagnostic value of laparoscopy-directed liver biopsy in fever of unknown origin (author's transl)] Maradona Hidalgo JA, et al. **Med Clin (Barc)** 1981 Nov 25;77(9):386–8 (Eng. Abstr.) **(Spa)**

FEVER THERAPY

Chemotherapy of malaria. Ponnampalam JT. **Ann Acad Med Singapore** 1981 Jan;10(1):99–106

Alteration of the immune reactions by whole-body and local microwave hyperthermia in normal and tumour-bearing animals: review of own 1976–1980 experiments. Janiak M, et al. **Br J Cancer [Suppl]** 1982 Mar;45(5):122–6

Altered glucose metabolism in intact and tumor bearing rats subjected to local hyperthermia. Beer-Gabel M, et al. **Bull Cancer (Paris)** 1981;68(4):321–7

Whole-body hyperthermia and chemotherapy for treatment of patients with advanced, refractory malignancies. Herman TS, et al. **Cancer Treat Rep** 1982 Feb;66(2):259–65

Hyperthermic perfusion 16 years after its first clinical applications. Cavaliere R, et al. **Henry Ford Hosp Med J** 1981;29(1):32–6

Glucose metabolism in mouse tumor and liver with and without hyperthermia. Streffer C, et al. **Henry Ford Hosp Med J** 1981;29(1):41–4

Whole body hyperthermia and natural killer cell activity [letter] Zänker KS, et al. **Lancet** 1982 May 8; 1(8280):1079–80

Hyperthermia for brain tumors: biophysical rationale. Salcman M, et al. **Neurosurgery** 1981 Sep;9(3):327–35 (81 ref.)

Direct effects of hyperthermia on pathogenic microorganisms: Teleologic implications with regard to fever. Mackowiak PA. **Rev Infect Dis** 1981 May-Jun; 3(3):508–20 (94 ref.)

[Morphology of rat rhabdomyosarcoma after separate and combined exposure to ionizing radiation and hyperthermia] Lushnikov EF, et al. **Med Radiol (Mosk)** 1981 Aug; 26(8):53–60 (Eng. Abstr.) **(Rus)**

[Pathomorphosis of malignant tumors after combined and complex treatment using hyperthermia] Aleksandrov NN, et al. **Vopr Onkol** 1982;28(4):89–95 (49 ref.) **(Rus)**

ADVERSE EFFECTS

Increased skeletal metastases of spontaneous canine osteosarcoma after fractionated systemic hyperthermia and local X-irradiation. Lord PF, et al. **Cancer Res** 1981 Nov; 41(11 Pt 1):4331–4

HISTORY

Infection and the high-frequency fever. Roth N. **Med Instrum** 1981 Jul-Aug;15(4):267–8

METHODS

Whole body hyperthermia as an anticancer agent. Bull JM. **CA** 1982 Mar-Apr;32(2):123–8

Local hyperthermia and radiation. A biologically-oriented clinical scheduling. Arcangeli G, et al. **Henry Ford Hosp Med J** 1981;29(1):37–40

Clinical themoradiotherapy. Bicher HI, et al. **Henry Ford Hosp Med J** 1981;29(1):10–5 (39 ref.)

Hyperthermic perfusion 16 years after its first clinical applications. Cavaliere R, et al. **Henry Ford Hosp Med J** 1981;29(1):32–6

Hyperthermia treatment of experimental tumors. Denekamp J, et al. **Henry Ford Hosp Med J** 1981;29(1):45–51

Clinical hyperthermia and irradiation. Pilot studies. Fazekas J, et al. **Henry Ford Hosp Med J** 1981;29(1):24–7

Microwave hyperthermia at 2450 and 915 megahertz frequencies. Luk KH. **Henry Ford Hosp Med J** 1981; 29(1):28–31

Local microwave hyperthermia in cancer therapy. Preliminary report. Perez CA, et al. **Henry Ford Hosp Med J** 1981;29(1):16–23 (33 ref.)

Hyperthermia. Storm FK. **Henry Ford Hosp Med J** 1981; 29(1):5–9 (26 ref.)

Hyperthermic treatment of recurrent laryngeal papillomatosis [letter] Roberts RM. **J Pediatr** 1982 Jul;101(1):158–9

Temperature distributions and thermal response in humans. I. Simulations of various modes of whole-body hyperthermia in normal subjects. Volpe BT, et al. **Med Phys** 1982 Jul-Aug;9(4):506–13

Systemic hyperthermia by the immersion bath method. Versteegh PM, et al. **Neth J Surg** 1981 Oct;33(4):195–9

[Hypothermia: a new approach to the treatment of cancer (author's transl)] Sculier JP, et al. **Nouv Presse Med** 1981 Nov 21;10(42):3487–90 (Eng. Abstr.) **(Fre)**

[Perspectives of hyperthermia in the treatment of tumors of the maxillofacial region] Dutreix J, et al. **Rev Stomatol Chir Maxillofac** 1982;83(2–3):124–8 (Eng. Abstr.) **(Fre)**

FIBER OPTICS

Clinical efficacy of early and delayed fiberoptic bronchoscopy in patients with hemoptysis. Gong H Jr, et al. **Am Rev Respir Dis** 1981 Sep;124(3):221–5

Lasers and fibreoptic endoscopy. Vallon AG. **Br J Hosp Med** 1982 Feb;27(2):175–9

Prevention of hepatitis B virus transmission by the gastrointestinal fibrescope. Successful disinfection with an aldehyde liquid. Seefeld U, et al. **Endoscopy** 1981 Nov; 13(6):238–9

Mucosal biopsy of the esophagus, stomach, and proximal duodenum. Goldman H, et al. **Hum Pathol** 1982 May; 13(5):423–48

Blood velocity measurement by fiber optic laser Doppler anemometry. Kilpatrick D, et al. **IEEE Trans Biomed Eng** 1982 Feb;29(2):142–5

Bacteriological examination of the lower respiratory tract. Pande JN. **Indian J Chest Dis Allied Sci** 1981 Apr-Jun; 23(2):65–7

Transbronchofiberscopic bronchial aspirate in lower respiratory tract infection. Sharma TN, et al. **Indian J Chest Dis Allied Sci** 1981 Apr-Jun;23(2):73–80

Fibreoptic bronchoscopy: an analysis of 400 cases. Power J, et al. **Ir Med J** 1982 Apr;75(4):108–11

Use of buffered hypochlorite solution for disinfecting fibrescopes. Coates D, et al. **J Clin Pathol** 1982 Mar; 35(3):296–303

A laboratory evaluation of a new disinfectant cleaner for fibreoptic instruments. Gilbert P, et al. **Microbios** 1982; 33(131):53–64

Flexible fiberoptic colonoscopy and flexible fiberoptic sigmoidoscopy in the management of colorectal neoplasia. Marks G. **Minerva Chir** 1981 Dec 15–31;36(23–24):1575–8

A fiberscopic technique for the study of velopharyngeal closures (first report). Miwa M, et al. **Tokai J Exp Clin Med** 1981 Oct;6(4):353–6

Removal of gastric foreign bodies using flexible fiberoptic endoscopy. Zimmer JF. **VM SAC** 1981 Nov;76(11):1611–9

[Should fibrorectosigmoidoscopy replace rigid rectoscopy?] Souffran MH, et al. **Med Chir Dig** 1981;10(5):433–5 **(Fre)**

INSTRUMENTATION

Measurement of coronary sinus blood flow by fiber-optic laser Doppler anemometry. Kilpatrick D, et al. **Am J Physiol** 1982 Jun;242(6):H1111–4

Flexible fiberoptic bronchoscope for difficult nasogastric intubation. Lee TS, et al. **Anesth Analg (Cleve)** 1981 Dec; 60(12):904–5

Fiberoptic bronchoscopic laser photoradiation for tumor localization in lung cancer. Hayata Y, et al. **Chest** 1982 Jul;82(1):10–4

Photodetector assessment of velopharyngeal activity. Dalston RM. **Cleft Palate J** 1982 Jan;19(1):1–8

Fiber optics in medicine. Epstein M. **Crit Rev Biomed Eng** 1982 Feb;7(2):79–120 (120 ref.)

A new flexible fiberoptic nasopharyngolaryngoscope.

Vanderstock L, et al. **Endoscopy** 1981 Nov;13(6):243–5

A Laser–Doppler–Velocimeter using an optical fiber and its application to local velocity measurement in the coronary artery. Kajiya F, et al. **Experientia** 1981 Nov 15; 37(11):1171–3

Cleaning and disinfection of fiberoptic endoscopes: evaluation of glutaraldehyde exposure time and forced–air drying. Gerding DN, et al. **Gastroenterology** 1982 Sep; 83(3):613–8

Hot tip [letter] Fraiberg EN. **Gastrointest Endosc** 1982 Feb; 28(1):43–4

Micropower pulse frequency modulator for use in an optically isolated catheter system. Fedel S, et al. **IEEE Trans Biomed Eng** 1982 Jul;29(7):549–51

Recent advances in the cleaning and disinfection of fibrescopes. Babb JR, et al. **J Hosp Infect** 1981 Dec; 2(4):329–40

Fibroscopic bronchial aspirations. Dumon JF, et al. **J Int Med Res** 1981;9(5):365–71

Development of an optical fibre technique for He–Ne laser screening of human body and its comparison with the integrating sphere method. Singh M, et al. **Med Biol Eng Comput** 1982 Jan;20(1):111–2

The increasing use of fibreoptics in radiodiagnosis. Williams R. **Radiography** 1982 Apr;48(568):67–79

Intracellular oxidation–reduction state measured in situ by a multichannel fiber–optic surface fluorometer. Mayevsky A, et al. **Science** 1982 Aug 6;217(4559):537–40

Transcutaneous ileopyelostomy fiberoptic fulguration (TIFF). New treatment of renal pelvic tumors in solitary kidney. Rogers B, et al. **Urology** 1982 Aug;20(2):162–5

[Intraocular photocoagulation with argon laser and fiber optics (author's transl)] Hara K, et al. **Nippon Ganka Gakkai Zasshi** 1981;85(7):697–704 (Eng. Abstr.) **(Jpn)**

[Present status and outlook for the development of medical instruments with fiberoptic waveguides] Busygin VP, et al. **Med Tekh** 1982 Mar–Apr;(2):47–53 **(Rus)**

[Endpiece with a fiberoptic lightguide for a suction pump for use in laryngeal and pharyngeal surgery] Issopova NS, et al. **Med Tekh** 1982 Mar–Apr;(2):60–1 **(Rus)**

[Experience with the use of foreign fiber optics apparatus] Starodub EM, et al. **Med Tekh** 1982 Jan–Feb;(1):49 **(Rus)**

FIBRIN

Cutaneous reactions to two fibrin–derived peptides. Gerdin B, et al. **Acta Derm Venereol (Stockh)** 1981;61(6):558–60

Structure of fragment E species from human cross–linked fibrin. Olexa SA, et al. **Biochemistry** 1981 Oct 13; 20(21):6139–45

Polydispersion in the diameter of fibers in fibrin networks: consequences on the measurement of mass–length ratio by permeability and turbidity. Shah GA, et al. **Biopolymers** 1982 Jun;21(6):1037–47

The bio–artificial organ: review and progress report. Schmer G, et al. **Int J Artif Organs** 1981 Mar;4(2):96–101

Wound closure with a fibrin tissue adhesive. Edinger D, et al. **Int J Oral Surg** 1981;10(Suppl 1):193–7

Morphology of bovine fibrinogen monomers and fibrin oligomers. Williams RC. **J Mol Biol** 1981 Aug 15; 150(3):399–408

Fibrin star. Shelley WB, et al. **JAMA** 1982 Jun 11; 247(22):3066

Defibrination with ancrod: effect on reticuloendothelial clearance of circulating immune complexes. Barcelli U, et al. **Nephron** 1982;30(4):314–7

Structure of the fibrin protofibril. Fowler WE, et al. **Proc Natl Acad Sci USA** 1981 Aug;78(8):4872–6

Consolidation of platelet aggregates by fibrin despite heparin anticoagulation [letter] Wurzinger LJ, et al. **Thromb Haemost** 1981 Oct;46(3):666

On pores in fibrin gels. Blombäck B, et al. **Thromb Res** 1982 Apr 15;26(2):141–2

Fibrin gel structure and clotting time. Blombäck B, et al. **Thromb Res** 1982 Jan 1 & 15;25(1–2):51–70

Development of an immunoassay for the COOH–terminal region of the gamma chains of human fibrin. Lahiri B, et al. **Thromb Res** 1981 Jul 1–15;23(1–2):103–12

Fibrinogen – fibrin transformation. Part III. Particularities for foetal fibrinogen. Müller M, et al. **Thromb Res** 1981 Nov 15;24(4):339–46

[Fibrin glue (Tissucol) in otology and otoneurosurgery. Apropos of our first 100 cases] Portmann M, et al. **Rev Laryngol Otol Rhinol (Bord)** 1982;103(1):15–8 (Eng. Abstr.) **(Fre)**

[Fibrin sealing in surgery (author's transl)] Wolner E. **Wien Klin Wochenschr** 1982 Apr 2;94(7):181–5 **(Ger)**

Pharmacological studies of sodium alginate. III. Acceleration of fibrin formation by sodium alginate. Daigo K, et al. **Yakugaku Zasshi** 1981 May;101(5):464–9 **(Jpn)**

ADMINISTRATION & DOSAGE

Fibrin occlusion of fistulas postoperatively. Hedelin H, et al. **Surg Gynecol Obstet** 1982 Mar;154(3):366–8

ANALOGS & DERIVATIVES

Detection and relevance of crosslinked fibrin derivatives in blood. Graeff H, et al. **Semin Thromb Hemostas** 1982 Jan; 8(1):57–68 (68 ref.)

ANALYSIS

Microclot generation (MCG) test in disease. Preliminary report. Juhlin L, et al. **Acta Med Scand** 1981;210(4):305–7

Fibrin deposits in Hodgkin's disease. Harris NL, et al. **Am J Pathol** 1982 Jul;108(1):119–29

Plasminogen activator content of neoplastic and benign human prostate tissues; fibrin augmentation of an activator activity. Camiolo SM, et al. **Int J Cancer** 1981 Feb 15; 27(2):191–8

Fibrin formation induced in agarose gel in the presence of plasma by sera from patients with certain diseases. Berg JV, et al. **Scand J Clin Lab Invest** 1980;40(8):703–10

Control of intravascular fibrin formation: heparin versus coumarin congeners. Pilgeram LO. **Thromb Res** 1981 Dec 1–15;24(5–6):405–15

Alpha chain crosslinks of human fibrin: purification and radioimmunoassay development for two A alpha chain regions involved in crosslinking. Sobel JH, et al. **Thromb Res** 1982 Jun 15;26(6):411–24

[Erythrocyte sedimentation rate, fibrinemia, alpha–2 globulinemia, biological inflammation and the practitioner (author's transl)] Bartolin R, et al. **Sem Hop Paris** 1981 Sep 18–25;57(33–36):1424–5 (Eng. Abstr.) **(Fre)**

[A role of fibrin deposits in the development of rabbit Masugi nephritis and effect of urokinase on the experimental glomerulonephritis (author's transl)] Akiba T, et al. **Nippon Jinzo Gakkai Shi** 1982 Feb;24(2):125–38 (Eng. Abstr.) **(Jpn)**

BIOSYNTHESIS

Characterization of the inhibition of fibrin assembly by fibrinogen fragment D. Williams JE, et al. **Biochem J** 1981 Sep 1;197(3):661–8

Diabetic nephropathy associated with fibrin formation. Herlihy WG, et al. **Hum Pathol** 1981 Jul;12(7):658–60

Incomplete fibrin formation and highly elevated Factor XIII activity in multiple myeloma. Klingemann HG, et al. **Scand J Haematol** 1981 Oct;27(4):253–62

Fibrin: structure and interactions. Hermans J, et al. **Semin Thromb Hemostas** 1982 Jan;8(1):11–24 (88 ref.)

A comparison of the effects of cimetidine and epsilon–aminocaproic acid on fibrinolysis induced by activators of plasminogen and on fibrin formation. Jespersen J, et al. **Thromb Res** 1981 May 1;22(3):287–93

[Role of fibrin formation processes in cerebrovascular diseases] Levati A, et al. **Recenti Prog Med** 1981 Dec; 71(6):601–11 **(Ita)**

BLOOD

Evidence for circulating fibrin in familial Mediterranean fever. Mosesson MW, et al. **J Lab Clin Med** 1982 Apr; 99(4):559–67

[Abnormal fibrin polymerization and its clinical usefulness in patients with chronic liver disease (author's transl)] Pengo V, et al. **Haematologica (Pavia)** 1981 Apr; 66(2):171–80 (Eng. Abstr.) **(Ita)**

DEFICIENCY

[Heparin content and thrombogenic blood proteins in the early postoperative period in patients operated on with artificial circulation] Ishmukhametova DN, et al. **Anesteziol Reanimatol** 1981 Sep–Oct;(5):56–8 (Eng. Abstr.) **(Rus)**

DIAGNOSTIC USE

Fibrin membrane endowed with biological function. Immobilization of spinach chloroplasts and rat liver microsomes. Nagasaki T, et al. **FEBS Lett** 1982 Jun 1; 142(1):159–61

IMMUNOLOGY

Immunoreactivities of fibrin(ogen) related antigens and antibodies in radioimmunoassay and latex photometric immunoassay. Sudo T, et al. **Nippon Ketsueki Gakkai Zasshi** 1981 Feb;44(1):131–45

METABOLISM

Fibrin membrane endowed with biological function. VII. An approach to an artificial liver; conversion of ammonia to urea in vitro. Hagiwara H, et al. **Biochem Biophys Res Commun** 1982 Jan 29;104(2):507–11

Comparison of the in vivo clearance of des–AA and des–AABB rat fibrin monomers prepared by different methods. Nieuwenhuizen W, et al. **Biochem Biophys Res Commun** 1982 Apr 14;105(3):1122–7

Secondary–site binding of Glu–plasmin, Lys–plasmin and miniplasmin to fibrin. Suenson E, et al. **Biochem J** 1981 Sep 1;197(3):619–28

Cleavage of the A alpha–chain of fibrinogen and the alpha–polymer of fibrin by the venom of spitting cobra (Naja nigricollis). Evans HJ. **Biochim Biophys Acta** 1981 Aug 13;660(2):219–26

Cross–linking of alpha 2–plasmin inhibitor and fibronectin to fibrin by fibrin–stabilizing factor. Tamaki T, et al. **Biochim Biophys Acta** 1981 Oct 13;661(2):280–6

Fibrin aggregation before sol–gel transition. Wiltzius P, et al. **Biophys J** 1982 May;38(2):123–32

Early stages of fibrinogen to fibrin conversion studied by static and dynamic light scattering. Wiltzius P, et al. **Biopolymers** 1981 Oct;20(10):2035–49

Surgery for cardiac complications caused by endocardial mural fibrin deposits in a hypereosinophilic syndrome. Fournial G, et al. **Circulation** 1982 May;65(5):1010–4

The effects of three different heparin regimes on heparin concentrations in plasma and fibrin formation in dialyzers. Gunnarsson B, et al. **Clin Nephrol** 1981 Mar;15(3):135–42

Fibrin deposition in the kidney and renal blood flow during intravascular coagulation in the rat: influence of the renin–angiotensin system. Ståhl E, et al. **Clin Sci** 1982 Jan; 62(1):35–41

On the role of the carbohydrate side chains of human plasminogen in its interaction with alpha 2–antiplasmin and fibrin. Lijnen HR, et al. **Eur J Biochem** 1981 Nov; 120(1):149–54

Pulmonary insufficiency in the rat after intravascular coagulation and inhibition of fibrinolysis. I. Studies on some pathogenetic mechanisms. Gerdin B, et al. **Eur Surg Res** 1981;13(6):402–13

On the kinetics of the thrombin–controlled polymerization of fibrin. Visser A, et al. **FEBS Lett** 1982 Jun 1;142(1):35–8

Influence of brinase on fibrinogen: fibrin transition in vitro and in vivo studies. II. Induction of fibrin deposits by brinase in the kidneys of rats with inhibited fibrinolysis. Saldeen T, et al. **Haemostasis** 1982;11(3):161–9

Kinetic analysis of the fibrin monomers aggregation: calculation of the fibrinogen–fibrin equilibrium constant. Usero JL, et al. **Int J Biochem** 1981;13(11):1191–6

Relationship between fibrin clot retraction and tumorigenesis in C3H/10T1/2 cells. Azzarone B, et al. **Int J Cancer** 1981 Dec;28(6):799–803

Complex formation between thrombin and thrombomodulin inhibits both thrombin–catalyzed fibrin formation and factor V activation. Esmon CT, et al. **J Biol Chem** 1982 Jul 25;257(14):7944–7

Kinetics of the activation of plasminogen by human tissue plasminogen activator. Role of fibrin. Hoylaerts M, et al. **J Biol Chem** 1982 Mar 25;257(6):2912–9

Thrombin generation and fibrin formation following injury to rabbit neointima. Studies of vessel wall reactivity and platelet survival. Groves HM, et al. **Lab Invest** 1982 Jun; 46(6):605–12

Cigarette smoke contains anticoagulants against fibrin aggregation and factor XIIIa in plasma. Galanakis DK, et al. **Science** 1982 Aug 13;217(4560):642–5

A molecular model of plasmic degradation of crosslinked fibrin. Francis CW, et al. **Semin Thromb Hemostas** 1982 Jan;8(1):25–35

Interaction of plasminogen activators and inhibitors with plasminogen and fibrin. Lijnen HR, et al. **Semin Thromb Hemostas** 1982 Jan;8(1):2–10 (71 ref.)

Fibrin in peritonitis. III. The mechanism of bacterial trapping by polymerizing fibrin. Dunn DL, et al. **Surgery** 1982 Sep; 92(3):513–9

Delayed elimination of fibrin from the lungs in rats given alpha 2–antiplasmin. Carlin G, et al. **Thromb Haemost** 1981 Dec 23;46(4):757–8

Effect of calcium and synthetic peptides on fibrin polymerization. Furlan M, et al. **Thromb Haemost** 1982 Apr 30;47(2):118–21

Comparative study of the activity of high and low molecular weight urokinase in the presence of fibrin. Samama M, et al. **Thromb Haemost** 1982 Feb 26;47(1):36–40

Higher fibrin–binding and thrombolytic properties of single polypeptide chain–high molecular weight urokinase [letter] Sumi H, et al. **Thromb Haemost** 1982 Jun 28; 47(3):297

The fibrinolytic action of the synthetic agent S–1623 in a purified system of fibrin and plasminogen. Chevallet–Prandini MH, et al. **Thromb Res** 1981 Nov 1; 24(3):197–205

Possible cross–linking of factor VIII related antigen to fibrin by factor XIII in delayed coagulation process. Hada M, et al. **Thromb Res** 1982 Jan 1 & 15;25(1–2):163–8

Recalculation of calcium–binding properties of human and rat fibrin(ogen) and their degradation products. Nieuwenhuizen W, et al. **Thromb Res** 1981 Jun 1–25; 22(5–6):653–7

Platelet interaction with polymerizing fibrin in Glanzmann's thrombasthenia. Niewiarowski S, et al. **Thromb Res** 1981 Aug 15–Sep 1;23(4–5):457–63

Selective action of alpha 2–macroglobulin–plasmin complex fibrin. Veremeenko KN, et al. **Thromb Res** 1981 Aug 1; 23(3):317–22

Regional variation in the frequency of fibrinoid degeneration in the human term placenta. Sala MA, et al. **Z Geburtshife Perinatol** 1982 Apr–May;186(2):80–1

[Diffusion in fibrin by simultaneous fibrinolysis] Senf L. **Folia Haematol (Leipz)** 1981;108(3):439–46 (Eng. Abstr.) **(Ger)**

[Purification and characterization of fibrin–binding urokinase (author's transl)] Sumi H, et al. **Nippon Ketsueki Gakkai Zasshi** 1981 Sep;44(5):1044–9 (Eng. Abstr.) **(Jpn)**

[The difference between carcinomatous and tuberculous pleural fluid in fibrin and fibrinogen metabolism (author's transl)] Suzuki S, et al. **Rinsho Ketsueki** 1981 Feb; 22(2):186–93 (Eng. Abstr.) **(Jpn)**

[Anticoagulating activity and lytic action of the heparin–antithrombin III and antithrombin III–heparin–thrombin complexes on non–stabilized fibrin] Kudriashov BA, et al. **Biokhimiia** 1981 Nov;46(11):2024–9

(Eng. Abstr.) (Rus)

PHARMACODYNAMICS

Stimulation of tissue plasminogen activator by denatured proteins and fibrin clots: a possible additional role for plasminogen activator? Radcliffe R, et al. **Arch Biochem Biophys** 1981 Oct 15;211(2):750–61

Lung fluid balance after pulmonary embolization: effects of thrombin vs. fibrin aggregates. Johnson A, et al. **J Appl Physiol** 1982 Jun;52(6):1565–70

Release of fibrinolytic enzymes by macrophages in response to soluble fibrin. Sherman LA, et al. **J Reticuloendothel Soc** 1981 Nov;30(5):317–29

PHYSIOLOGY

Effect of dextran on platelet activation by polymerizing fibrin. Ts'ao CH, et al. **Am J Pathol** 1982 Jan;106(1):1–7

Fibrin-derived peptides and pulmonary injury. Saldeen T. **Ann NY Acad Sci** 1982;384:319–31

Relations between enzymatic and association reactions in the development of bovine fibrin clot structure. Wolfe JK, et al. **Arch Biochem Biophys** 1981 Oct 1;211(1):125–42

Removal of fibrin thrombi in disseminated intravascular coagulation (DIC). Morphological studies. Shimamura K, et al. **Arch Pathol Lab Med** 1981 Dec;105(12):659–63

Rheological study on network structure of fibrin clots under various conditions. Kaibara M, et al. **Biorheology** 1981; 18(1):23–35

Metabolic requirements of contractile force generation in platelet rich plasma – a rheological study. Kirkpatrick JP, et al. **Biorheology** 1980;17(5–6):411–8

Copley–Scott Blair phenomenon and electric double layer. Oka S. **Biorheology** 1981;18(3–6):347–53

Actin organization and fibrin–clot retractile activity of cultured mouse fibroblasts. Curatolo L, et al. **Cell Tissue Res** 1982;223(3):665–73

Significance of cross–linking of alpha 2–plasmin inhibitor to fibrin in inhibition of fibrinolysis and in hemostasis. Sakata Y, et al. **J Clin Invest** 1982 Mar;69(3):536–42

Fibronectin: review of its structure and possible functions. Mosher DF, et al. **J Invest Dermatol** 1981 Aug;77(2):175–80

Pathogenesis of nonobstructive fibrous peels in right–sided porcine–valved extracardiac conduits. Agarwal KC, et al. **J Thorac Cardiovasc Surg** 1982 Apr;83(4):584–9

Fibrinogen and fibrin. Doolittle RF. **Sci Am** 1981 Dec; 245(6):126–35

Activation of Glu–plasminogen by urokinase in the presence of fibrinogen, fibrin, and SK–potentiator. Takada A, et al. **Thromb Res** 1981 May 15;22(4):497–501

THERAPEUTIC USE

Homologous controlled–viscosity fibrin for endovascular embolization. Part I. Experimental development of the medium. Richling B. **Acta Neurochir (Wien)** 1982; 62(3–4):159–70

Effect of a biologic glue on the leakage rate of experimental rectal anastomoses. Oka H, et al. **Am J Surg** 1982 May; 143(5):561–4

The influence of fibrin stabilization and fibrinolysis on the fibrin–adhesive system. A clinical study using radioactively marked fibrinogen as a tracer. Staindl O, et al. **Arch Otorhinolaryngol** 1981;233(1):105–16

Influence of fibrin clots on development of granulation tissue in preformed cavities. Hedelin H, et al. **Surg Gynecol Obstet** 1982 Apr;154(4):521–5

The use of fibrin glue for sealing vascular prostheses of high porosity. Haverich A, et al. **Thorac Cardiovasc Surg** 1981 Aug;29(4):252–4

Clinical experience with fibrin glue in cardiac surgery. Köveker G, et al. **Thorac Cardiovasc Surg** 1981 Oct; 29(5):287–9

Fibrin adhesive and its application in thoracic surgery. Thetter O. **Thorac Cardiovasc Surg** 1981 Oct;29(5):290–2

[Use of a coagulum for the ablation of renal calculi (author's transl)] Faure G, et al. **J Urol (Paris)** 1981;87(9):611–4 (Eng. Abstr.) (Fre)

[Does the fibrin glue accelerate the healing of tendons? (author's transl)] Bösch P, et al. **Arch Orthop Trauma Surg** 1981;98(4):305–10 (Eng. Abstr.) (Ger)

[Fibrin glue for otorhinolaryngology (author's transl)] Wolf G. **Arch Otorhinolaryngol** 1981;233(1):49–54 (Eng. Abstr.) (Ger)

[Initial clinical experiences with fibrin adhesives in traumatic and intraoperative splenic injury] Scheele J. **Chirurg** 1981 Aug;52(8):531–4 (Eng. Abstr.) (Ger)

[Experimental findings with a fibrin tissue adhesive in conjunctival and skleral surgery in a rabbit model (author's transl)] Härting F, et al. **Klin Monatsbl Augenheilkd** 1981 Jul;179(1):23–5 (Eng. Abstr.) (Ger)

[Tissue gluten with special considerations of fibrin glue (author's transl)] Kessler B, et al. **Langenbecks Arch Chir** 1981;355:485–9 (Eng. Abstr.) (Ger)

[The use of fibrin tissue adhesive in parenchymal organs of the abdomen. An experimental study in rabbits and dogs (author's transl)] Scheele J, et al. **Langenbecks Arch Chir** 1981;354(4):245–54 (Eng. Abstr.) (Ger)

[Lung parenchyma sealing with the help of fibrin adhesive after lung resections] Hartel W. **Med Welt** 1981 Nov 13; 32(46):1749–50 (Ger)

[The influence of the fibrinogen adhesive system on revascularization of bone graft (author's transl)] Zilch H. **Unfallheilkunde** 1981 Sep;84(9):353–62 (Eng. Abstr.) (Ger)

[The influence of the fibrinogen adhesive system on bone healing (author's transl)] Zilch H, et al. **Unfallheilkunde** 1981 Sep;84(9):363–72 (Eng. Abstr.) (Ger)

[Segmental resection of the spleen and glueing with human fibrinogen – an alternative to splenectomy and autotransplantation (author's transl)] Roth H, et al. **Z Kinderchir** 1982 Apr;35(4):153–8 (Eng. Abstr.) (Ger)

[Experiences with coagulum pyelolithotomy using autoplasma cryoprecipitate] Baumüller A, et al. **Z Urol Nephrol** 1981 Nov;74(11):781–5 (Eng. Abstr.) (Ger)

[Experiences in adenomectomy with human fibrin adhesive] Vecsey D. **Z Urol Nephrol** 1981 Sep;74(9):661–5 (Eng. Abstr.) (Ger)

FIBRIN FIBRINOGEN DEGRADATION PRODUCTS

Platelet and neutrophil sequestration after fragment D–induced respiratory distress. Manwaring D, et al. **Circ Shock** 1982;9(1):75–80

Fibrin–fibrinogen interactions during gel filtration in a medium contain: ,g fibrinogen, albumin or cold–insoluble globulin. Krell W, et al. **Thromb Res** 1981 Jul 1–15; 23(1–2):41–50

ANALYSIS

Comparisons of hemagglutination inhibition, staphylococcal clumping, and latex agglutination tests for canine fibrinolytic degradation products. Chen JP, et al. **Am J Vet Res** 1981 Dec;42(12):2049–52

The diagnostic value of the fibrinogen/fibrin fragment E antigen assay in clinically suspected deep vein thrombosis. Zielinsky A, et al. **Blood** 1982 Feb;59(2):346–50

Fibrinogen degradation products (F.D.P.) in ascitic fluid of patients affected by ovarian cancer. Paternoster D, et al. **Clin Exp Obstet Gynecol** 1981;8(2):64–5

Distinction between fibrinogen and fibrin degradation products produced during disseminated intravascular coagulation in childhood. Yoshioka K, et al. **Eur J Pediatr** 1982 Feb;138(1):46–8

The influence of various combinations of plasminogen and streptokinase on fibrinolysis. II. A mechanistic study. Gaffney PJ, et al. **Haemostasis** 1982;11(1):2–11

Assay of fibrin degradation products in human aqueous humour. Sen DK, et al. **Indian J Ophthalmol** 1981 Jul; 29(2):87–9

Role of dextran sulfate in urokinase therapy and evaluation of the effects by estimation of plasmin inhibitor, fibrinogenolytic degradation products, and fibrinolytic degradation products. Hasegawa H, et al. **Jpn Heart J** 1982 May;23(3):339–47

Studies on the degradation of fibrinogen by proteolytic enzymes from the larvae of Lanomia achelous (Cramer). Arocha–Piñango CL, et al. **Thromb Haemost** 1981 Jun 30; 45(3):233–6

Measurement in human blood of fibrinogen/fibrin fragments containing the B beta 15–42 sequence. Kudryk B, et al. **Thromb Res** 1982 Feb 1;25(3):277–91

Plasma concentrations of fibrinopeptide A, fibrinogen fragment B beta 1–42 and beta–thromboglobulin following total hip replacement. Lane DA, et al. **Thromb Res** 1982 Apr 15;26(2):111–8

Fibrinogen and fibrin derivatives in serum from normal and sick children. Yoshioka K, et al. **Thromb Res** 1981 Apr 1–15;22(1–2):25–32

[The relationship between the estimation of fibrin fibrinogen degradation products and euglobulinolytic test and its clinical significance (author's transl)] Xue ZM. **Chung Hua Nei Ko Tsa Chih** 1981 Feb;20(2):92–4 (Chi)

[Determination of plasma fibrinogen and fibrin degradation products (FDP) in 100 normal persons and 32 cases of acute cerebrovascular disease (author's transl)] Wang GX. **Chung Hua Shen Ching Ching Shen Ko Tsa Chih** 1982 Feb; 15(1):8–10 (Eng. Abstr.) (Chi)

[Detection of fibrinolytic split products in patient collections with disordered hemostasis. I. In pathologically verified lung cancer. II. In thrombotic/embolic occurrences] Bube FW, et al. **Folia Haematol (Leipz)** 1981;108(3):447–54 (Eng. Abstr.) (Ger)

[Comparative fibrinogen determination by artificial in vitro fibrinogen lysis with regard to fibrinogen split products] Kätzel R, et al. **Z Med Lab Diagn** 1981;22(3):138–43 (Eng. Abstr.) (Ger)

[Application of gabexate mesilate on measurement of coagulation and fibrinolysis. --The effect of high molecular weight Fbg/Fb complex in plasma-- (author's transl)] Suzuki S, et al. **Rinsho Byori** 1981 Apr;29(4):404–8 (Jpn)

[Distinction between fibrinogen and fibrin degradation products in serum from patients with DIC (author's transl)] Yoshioka K, et al. **Rinsho Ketsueki** 1981 Sep;22(9):1401–5 (Eng. Abstr.) (Jpn)

[2 simple methods of detecting fibrin degradation products in blood] Gabitov SZ, et al. **Lab Delo** 1982;(6):34–6 (Eng. Abstr.) (Rus)

[Determination of fibrinogen and its degradation products with staphylococcal diagnosticum (review of the literature)] Lapaeva EE. **Lab Delo** 1981;(5):304–7 (23 ref.) (Eng. Abstr.) (Rus)

[Results of discussions of fibrinogen B] Morozova VT. **Lab Delo** 1982;(6):30–1 (Rus)

[Relations between products of fibrin degradation and arterial blood pressure in pregnancy complicated by nephropathy] Tsitsiashvili ESh. **Lab Delo** 1982;(4):230–2 (Rus)

[Fibrin degradation products in pregnant women with nephropathies] Tsitsiashvili ESh. **Sov Med** 1982;(2):113–4 (Rus)

[Fibrinogen degradation products in diabetes mellitus] Bondar PN. **Vrach Delo** 1981 Oct;(10):80–1 (Rus)

[The value of the staphylococcal clumping test in the diagnosis of disseminated intravascular coagulation in the infected infant] Ortiz Méndez VM, et al. **Bol Med Hosp Infant Mex** 1981 Jul–Aug;38(4):585–94 (Eng. Abstr.) (Spa)

CEREBROSPINAL FLUID

Determination of tranexamic acid (AMCA) and fibrin/fibrinogen degradation products in cerebrospinal fluid after aneurysmal subarachnoid haemorrhage. Fodstad H, et al. **Acta Neurochir (Wien)** 1981;58(1–2):1–13

Fibrin–fibrinogen degradation products in cerebrospinal fluid as an indicator of neonatal brain damage. Dalens B, et al. **Acta Neurol Scand** 1981 Aug;64(2):81–7

Childhood bacterial meningitis. Lye RH. **J Neurol Neurosurg Psychiatry** 1982 Feb;45(2):186

[Signification of fibrinogen degradation (FDP) product in CSF during the neonatal period (author's transl)] Dalens B, et al. **Pathol Biol (Paris)** 1981 Dec;29(10):605–8 (Eng. Abstr.) (Fre)

[Fibrinogen degradation products in the cerebrospinal fluid of children with lymphoblastic leukemia] Borkowski W, et al. **Pediatr Pol** 1981 Sep;56(9):1017–20 (Eng. Abstr.) (Pol)

DIAGNOSTIC USE

[The radiofibrinogen test and the fibrinsplit prc Juct test in the diagnosis of deep veinous thrombophlebitis during radiotherapy. A contribution to the evaluation for silent acute thrombophlebitis (author's transl)] Ardelt W. **Geburtshilfe Fraunheilkd** 1982 Mar;42(3):185–7 (Eng. Abstr.) (Ger)

IMMUNOLOGY

Laser nephelometry quantitation of fibrinogen–related antigens. Ruiz–Arenas R, et al. **Am J Clin Pathol** 1981 Sep; 76(3):284–8

Immunochemical model for the agglutination reaction of FR antigens in a new latex photometric immunoassay with near infrared turbidimetry. Sudo T, et al. **Kitasato Arch Exp Med** 1980 Jun;53(1–2):55–68

Monoclonal antibodies from rats immunized with fragment D of human fibrinogen. Kennel SJ, et al. **Thromb Res** 1981 May 1;22(3):309–20

ISOLATION & PURIFICATION

Measurement in human blood of fibrinogen/fibrin fragments containing the B beta 15–42 sequence. Kudryk B, et al. **Thromb Res** 1982 Feb 1;25(3):277–91

METABOLISM

Protamine interacts with the D–domains of fibrinogen. Okano K, et al. **Biochim Biophys Acta** 1981 Dec 29;671(2):164–7

Plasma betathromboglobulin and serum fragment E in acute partial stroke. de Boer AC, et al. **Br J Haematol** 1982 Feb; 50(2):327–34

Antithrombin III and fibrinogen degradation product (fragment E) in diabetic nephropathy. Chan V, et al. **J Clin Pathol** 1982 Jun;35(6):661–6

Recalculation of calcium–binding properties of human and rat fibrin(ogen) and their degradation products. Nieuwenhuizen W, et al. **Thromb Res** 1981 Jun 1–25; 22(5–6):653–7

Fibrin–degradation products in falciparum malaria. Amano H, et al. **Zentral Bakteriol Mikrobiol Hyg [A]** 1981; 250(1–2):242–7

[Significance of antithrombin III and fibrin degradation products for the prognosis and diagnosis of postoperative thromboses] Rjabzew WG, et al. **Folia Haematol (Leipz)** 1982;109(1):171–5 (Ger)

[Blood coagulation and glomerular nephritis] Hatano M, et al. **Nippon Rinsho** 1981;39(12):3674–9 (Jpn)

[Fibrinolytic activity of blood and urine in young children with acute pneumonia] Mamatkulov KhM, et al. **Pediatriia** 1981;(8):14–6 (Eng. Abstr.) (Rus)

PHARMACODYNAMICS

Cellular mediation of respiratory distress syndrome induced by fragment D. Manwaring D, et al. **Ann Chir Gynaecol** 1981;70(6):304–7

Characterization of the inhibition of fibrin assembly by fibrinogen fragment D. Williams JE, et al. **Biochem J** 1981 Sep 1;197(3):661–8

Regulation of fibrinogen synthesis by plasmin–derived fragments of fibrinogen and fibrin: an indirect feedback pathway. Ritchie DG, et al. **Proc Natl Acad Sci USA** 1982

Mar;79(5):1530–4
Effect of low molecular weight fibrin degradation products on endothelial cells in culture. Busch C, et al. **Thromb Res** 1981 Apr 1–15;22(1–2):33–9
Potentiation of the activation of Glu-plasminogen by streptokinase and urokinase in the presence of fibrinogen degradation products. Takada A, et al. **Thromb Res** 1982 Feb 1;25(3):229–35

PHYSIOLOGY

Effect of fibrin–fibrinogen degradation products on human basilar artery preparations. Lye RH, et al. **J Neurosurg** 1982 Mar;56(3):339–43
Influence of SK–potentiator and fibrinogen degradation products on the activation of human plasminogen by streptokinase. Takada A, et al. **Thromb Res** 1981 Jun 1–25; 22(5–6):623–31

URINE

Assay for fibrinogen–fibrin degradation products in canine urine. Steward AP, et al. **Vet Rec** 1981 Aug 29; 109(9):179–80
[Application of immunological tests of the serum and urine–determination of FDP and the complement level] Kaizu K. **Rinsho Byori** 1982 Mar;Suppl 49:76–80 **(Jpn)**

FIBRIN FIBRINOGEN SPLIT PRODUCTS see **FIBRIN FIBRINOGEN DEGRADATION PRODUCTS**

FIBRIN FOAM

THERAPEUTIC USE

[Experimental studies on the healing of bone transplants after fibrin adhesive fixation] Neckel C, et al. **Dtsch Zahnarztl Z** 1982 Jan;37(1):30–2 (Eng. Abstr.) **(Ger)**
[Discussion comment on R. Will's article, 'Wound Sealing and Clot Stabilization with Human Fibrin Adhesive in Oral Surgery', Dtsch. zahnärztl. Z. vol. 36, 74–8 (1981)] Teiser J, et al. **Dtsch Zahnarztl Z** 1981 Aug;36(8):536–9 **(Ger)**

FIBRIN STABILIZING FACTOR see **FACTOR XIII**

FIBRINASE see **FACTOR XIII**

FIBRINOGEN

Steady-state fluorescence polarization of dansylcadaverine–fibrinogen: evidence for flexibility. Hantgan RR. **Biochemistry** 1982 Apr 13;21(8):1821–9
Carboxy–terminal amino acid sequence of a human fibrinogen gamma–chain variant (gamma'). Wolfenstein–Todel C, et al. **Biochemistry** 1981 Oct 13;20(21):6146–9
The interference of fibrinogen and heparin with the determination of circulating immune complexes in the C1q–binding assay. Faaber P, et al. **Clin Exp Immunol** 1981 Sep;45(3):590–4
Peptides cleaved from fibrinogen by plasmin enhance the progression of L–1 sarcoma in BALB/c mice. Roszkowski W, et al. **Eur J Cancer Clin Oncol** 1981 Aug;17(8):889–92
Plasma fibrinogen concentration in ABO–hemolytic disease of the newborn. Romano EL, et al. **Int Arch Allergy Appl Immunol** 1982 Jan;67(1):74–7
Fibronectin molecule visualized in electron microscopy: a long, thin, flexible strand. Erickson HP, et al. **J Cell Biol** 1981 Dec;91(3 Pt 1):673–78
Cryoproteinemia in the cutaneous gangrene of Crohn's disease: a report of two cases. Mayer L, et al. **J Clin Gastroenterol** 1981;3 Suppl 1:17–21
Acquired dysfibrinogenaemia in liver disease. Francis JL, et al. **J Clin Pathol** 1982 Jun;35(6):667–72
Morphology of bovine fibrinogen monomers and fibrin oligomers. Williams RC. **J Mol Biol** 1981 Aug 15; 150(3):399–408
Pulmonary emboli associated with coagulum pyelolithotomy. Pence JR 2d, et al. **J Urol** 1982 Mar;127(3):572–3
Preparation and use of cryoprecipitate in a developing country [letter] Essien EM, et al. **Lancet** 1982 Jul 10; 2(8289):109
What's new: a review of misconceptions concerning fibrinogen. Hardaway RM 3d. **Tex Med** 1982 Jun; 78(6):40–4
Fibrin–fibrinogen interactions during gel filtration in a medium containing fibrinogen, albumin or cold–insoluble globulin. Krell W, et al. **Thromb Res** 1981 Jul 1–15; 23(1–2):41–50
Fibrinogen – fibrin transformation. Part III. Particularities for foetal fibrinogen. Müller M, et al. **Thromb Res** 1981 Nov 15;24(4):339–46
High pressure liquid chromatography of fibrinopeptides derived from eight mammalian fibrinogens. Sellers JP, et al. **Thromb Res** 1981 Jul 1–15;23(1–2):91–5
Observation of the alpha–chain extensions of fibrinogen through a new electron microscope specimen preparation technique. Rudee ML, et al. **Ultramicroscopy** 1981; 7(2):193–5
Coagulum–facilitated urethral diverticulectomy [letter] Berger RM, et al. **Urology** 1982 Aug;20(2):227
Study of the staphylococcal affinity to fibrinogen by passive hemagglutination: a tool for the Staphylococcus aureus identification. Flandrois JP, et al. **Zentral Bakteriol Mikrobiol Hyg [A]** 1981 Dec;251(2):171–6
[Endolaryngeal surgery using highly concentrated human fibrinogen as tissue adhesive. Further trials with fibrin glue] Martin F, et al. **Laryngol Rhinol Otol (Stuttg)** 1981 Jul; 60(7):369–72 (Eng. Abstr.) **(Ger)**
[Surgery of the larynx with fibrinous tissue glue (author's transl)] Naumann C, et al. **Laryngol Rhinol Otol (Stuttg)** 1981 Jul;60(7):364–6 (Eng. Abstr.) **(Ger)**
[Fibrin glue in dermatosurgery (author's transl)] Staindl O. **Z Hautkr** 1982 May 15;57(10):721–33 (Eng. Abstr.) **(Ger)**
[Studies on abnormal fibrinogen] Takamatsu J, et al. **Nippon Ketsueki Gakkai Zasshi** 1980 Dec;43(6):1203–11 (Eng. Abstr.) **(Jpn)**

ADMINISTRATION & DOSAGE

Cryoprecipitate coagulum as an adjunct to surgery for diverticula of the female urethra. Feldstein MS. **J Urol** 1981 Nov;126(5):698–9
Effect of free and bovine fibrinogen–bound methotrexate and dibromoaminopterin on the dissemination of solid Gardner lymphosarcoma. Motyčka K, et al. **Neoplasma** 1982; 29(2):197–204
The chemotherapy of C3H mice bearing Gardner lymphosarcoma with bovine fibrinogen–methotrexate derivative. Motyčka K, et al. **Neoplasma** 1981;28(1):3–10
[The behaviour of autologous spongiosa transplants from the ilial crest with and without fibrinadhesive in the canine femoral epiphysis (author's transl)] Wischhöfer E, et al. **Unfallheilkunde** 1982 Jun;85(6):250–2 (Eng. Abstr.) **(Ger)**

ADVERSE EFFECTS

[Risk of hepatitis in fibrin adhesion (author's transl)] Panis R, et al. **Laryngol Rhinol Otol (Stuttg)** 1981 Jul;60(7):367–8 (Eng. Abstr.) **(Ger)**

ANALYSIS

A study of the conditions and accuracy of the thrombin time assay of plasma fibrinogen. Jespersen J, et al. **Acta Haematol (Basel)** 1982;67(1):2–7
Kinetic latex agglutinometry I. A rapid, quantitative immunologic assay for fibrinogen. Babson AL, et al. **Am J Clin Pathol** 1982 Apr;77(4):424–9
Purification of human fibrinopeptides by high–performance liquid chromatography. Koehn JA, et al. **Anal Biochem** 1981 Sep 15;116(2):349–56
Hemodilution combined with defibrinogenation. Böhme H, et al. **Bibl Haematologica** 1981;47:165–72
Long–term results after defibrinogenation by Arwin in chronic occlusive arterial disease. Staiger J, et al. **Bibl Haematologica** 1981;47:252–7
Immunochemical determination of conformational equilibria for fragments of the A alpha chain of fibrinogen. Nagy JA, et al. **Biochemistry** 1982 Apr 13;21(8):1794–806
Measurement of fibrinogen in dog liver cell fractions by electroimmunoassay and radioimmunoassay. Kudryk B, et al. **Biochim Biophys Acta** 1982 Apr 21;703(1):77–86
Fibrinopeptide A, platelet factor 4, and beta–thromboglobulin levels in coronary heart disease. Nichols AB, et al. **Blood** 1982 Sep;60(3):650–4
Factors affecting fibrinopeptide–A levels in patients with venous thromboembolism during anticoagulant therapy. Yudelman I, et al. **Blood** 1982 Apr;59(4):787–92
Association of recurrent myocardial infarction with hemostatic factors: a prospective study. Kostis JB, et al. **Chest** 1982 May;81(5):571–5
The significance of fibrinopeptide A (FPA) in the diagnosis of low–grade intravascular coagulation and venous thromboembolism. Van Mourik JA. **Haematologica (Pavia)** 1981 Jun;66(3):259–68 **(Eng, ita)**
Analysis of human fibrinopeptides by high–performance liquid chromatography. Kehl M, et al. **Hoppe Seylers Z Physiol Chem** 1981 Dec;362(12):1661–4
Beta–thromboglobulin in diabetes: relationships with blood glucose and fibrinopeptide A. Burrows AW. **Horm Metab Res [Suppl]** 1981;11:22–5
Propranolol on plasma fibrinogen, fibrinolytic activity and cardiac injury following isoprenaline challenge in rats. Saxena KK, et al. **Indian Heart J** 1981 May–Jun;33(3):91–4
Fibrinogen in sickle cell disease – an immunohaematological study. Saoji AM, et al. **Indian J Pathol Microbiol** 1982 Jan;25(1):55–61
'Platelet function, fibrinogen and MISFI––an immunohaematological study in sickle cell crisis'. Gupta VL, et al. **J Assoc Physicians India** 1981 Mar;29(3):183–7
platelet adhesiveness, plasma fibrinogen and fibrinolytic activity in hypertension. Sharma SC, et al. **J Assoc Physicians India** 1981 May;29(5):359–63
Carbohydrate structure of human fibrinogen. Use of 300–MHz 1H–NMR to characterize glycosidase–treated glycopeptides. Townsend RR, et al. **J Biol Chem** 1982 Aug 25;257(16):9704–10
Ascorbate status and fibrinogen concentrations after cerebrovascular accident. Hume R, et al. **J Clin Pathol** 1982 Feb;35(2):195–9
In vitro assay of thrombolysis with 125I–fibrinogen. Iga Y, et al. **J Clin Pathol** 1981 Dec;34(12):1400–3
Identification and mass analysis of human fibrinogen molecules and their domains by scanning transmission electron microscopy. Mosesson MW, et al. **J Mol Biol** 1981 Dec 15;153(3):695–718
Plasma fibrinogen levels as an indicator of myocardial necrosis. Cristal N, et al. **J R Coll Physicians Lond** 1982 Jan;16(1):57–9
Immunoassay of human fibrinopeptides. Butler VP Jr, et al. **Methods Enzymol** 1982;84 Pt D:102–18 (36 ref.)
Alterations of plasma levels in malignant lymphoma. Opat P, et al. **Neoplasma** 1981;28(3):339–43
Synthesis, metabolism and distribution of fibrinogen and its derivatives. Hasegawa H, et al. **Nippon Ketsueki Gakkai Zasshi** 1981 Dec;44(7):1488–98
Congenital abnormal fibrinogens. Ménaché D. **Prog Clin Biol Res** 1981;72:205–20
Fibrin (ogen) polymerization curve (FPC) in patients with 'diabetes mellitus'. Cordova C, et al. **Quad Sclavo Diagn** 1981 Sep;17(3):356–62
Measurement of fibrinopeptide A in patients treated with phenprocoumon. Harenberg J, et al. **Thromb Haemost** 1981 Jun 30;45(3):282–4
Comparison of the relative fibrinogenolytic, fibrinolytic and thrombolytic properties of tissue plasminogen activator and urokinase in vitro. Matsuo O, et al. **Thromb Haemost** 1981 Jun 30;45(3):225–9
Fibrinopeptide A (FPA) level and fibrinogen kinetics in patients with malignant disease. Yoda Y, et al. **Thromb Haemost** 1981 Dec 23;46(4):706–9
Plasma concentrations of fibrinopeptide A, fibrinogen fragment B beta 1–42 and beta–thromboglobulin following total hip replacement. Lane DA, et al. **Thromb Res** 1982 Apr 15;26(2):111–8
Alpha chain crosslinks of human fibrin: purification and radioimmunoassay development for two A alpha chain regions involved in crosslinking. Sobel JH, et al. **Thromb Res** 1982 Jun 15;26(6):411–24
Rapid radioimmunoassay for fibrinopeptide A in human plasma. Woodhams BJ, et al. **Thromb Res** 1981 May 15; 22(4):407–16
Hepatocellular fibrinogen storage in familial hypofibrinogenemia. Pfeifer U, et al. **Virchows Arch [Cell Pathol]** 1981;36(2–3):247–55
[A discussion on the etiology and clinical significance of hyperfibrinogenemia (author's transl)] Lu LH. **Chung Hua Nei Ko Tsa Chih** 1981 Aug;20(8):456–8 **(Chi)**
[Effect of oxalysine on plasma fibrinogen content in tumor–bearing mice (author's transl)] Yue XF, et al. **Chung Kuo Yao Li Hsueh Pao** 1982 Jun;3(2):124–8 (Eng. Abstr.) **(Chi)**
[Determination of plasma fibrinogen by the nephelometer Thorp Mark IV (author's transl)] Pecka M, et al. **Cas Lek Cesk** 1981 May 7;120(18):550–2 (Eng. Abstr.) **(Cze)**
[The false–positive fibrinogen test] Vodičková L, et al. **Vnitr Lek** 1982 Jul;28(7):665–70 **(Cze)**
[Familial Mediterranean fever, complement, cryofibrinogen, colchicine (author's transl)] Wautier JL, et al. **Ann Med Interne (Paris)** 1981;132(7):472–4 (Eng. Abstr.) **(Fre)**
[Determination of fibrinogen in human plasma using various methods] Strässle R. **Med Lab (Stuttg)** 1981 Nov; 34(11):287–92 **(Ger)**
[Comparative fibrinogen determination by artificial in vitro fibrinogen lysis with regard to fibrinogen split products] Kätzel R, et al. **Z Med Lab Diagn** 1981;22(3):138–43 (Eng. Abstr.) **(Ger)**
[Fibrinogen determination using the KZM–1 meter] Olesch B. **Z Med Lab Diagn** 1981;22(3):144–7 (Eng. Abstr.) **(Ger)**
[2 cases of familial mediterranean fever in subjects originating from the inland of the Marche region] Locatelli J, et al. **Minerva Med** 1982 May 12;73(20):1407–9 **(Ita)**
[Experimental studies on fibrinolytic dynamics of decubital ulcer in oral mucosa (author's transl)] Hamasaki E. **Igaku Kenkyu** 1981 Mar;51(1):33–49 (Eng. Abstr.) **(Jpn)**
[A study of hemostatics in patients with pleuritis tuberculosa (author's transl)] Fujiki S, et al. **Kekkaku** 1981 Aug; 56(8):385–90 (Eng. Abstr.) **(Jpn)**
[Recent findings of fibrinogen in the field of biochemistry] Hasegawa H. **Nippon Rinsho** 1981;39(12):3628–34 (29 ref.) **(Jpn)**
[Quantitative and qualitative assessment of plasma fibrinogen in patients with cerebral thrombosis (author's transl)] Maruyama I, et al. **Rinsho Shinkeigaku** 1982 Feb; 22(2):135–8 (Eng. Abstr.) **(Jpn)**
[Changes of fibrinogen concentration and their prognostic value in acute myocardial infarct] Judkiewicz L, et al. **Pol Tyg Lek** 1981 Jul 6;36(27):1003–5 (Eng. Abstr.) **(Pol)**
[Blood fibrinogen during 7–day water immersion and short–term space flight] Fomin AN. **Kosm Biol Aviakosm Med** 1981 Sep–Oct;15(5):83–5 **(Rus)**
[Micromethod for the quantitative determination of fibrinogen] Boiadzhiian Kh, et al. **Lab Delo** 1982;(5):265–7 (Eng. Abstr.) **(Rus)**
[Determination of blood fibrinolytic activity by a micromethod] Pugach VN. **Lab Delo** 1982;(4):250 **(Rus)**
[Quantitative and qualitative composition of sterol from fibrinogen and erythrocyte membranes in kidney diseases] Pyrig LA, et al. **Ter Arkh** 1981;53(12):75–8 (Eng. Abstr.) **(Rus)**

ANTAGONISTS & INHIBITORS

Inhibition of fibrinogen binding to human platelets by the tetrapeptide glycyl-L-prolyl-L-arginyl-L-proline. Plow EF, et al. **Proc Natl Acad Sci USA** 1982 Jun;79(12):3711-5

BIOSYNTHESIS

A regulatory pathway for fibrinogen biosynthesis involving an indirect feedback loop. Fuller GM, et al. **Ann NY Acad Sci** 1982;389:308-22

Glucocorticoids act together with estrogens and thyroid hormones in regulating the synthesis and secretion of Xenopus vitellogenin, serum albumin, and fibrinogen. Wangh LJ. **Dev Biol** 1982 Feb;89(2):294-8

Fibrinogen synthesis in the isolated perfused rat liver: stimulation by a humoral factor associated with trauma. Kirsch RE, et al. **Hepatology** 1982 Mar-Apr;2(2):205-8

Suppression of acute-phase synthesis of fibrinogen by a hypolipidemic drug (clofibrate). Pickart L. **Int J Tissue React** 1981 Jun;3(2):65-72

Regulation of fibrinogen synthesis by plasmin-derived fragments of fibrinogen and fibrin: an indirect feedback pathway. Ritchie DG, et al. **Proc Natl Acad Sci USA** 1982 Mar;79(5):1530-4

Plasma fibrinopeptide A and beta-thromboglobulin in pre-eclampsia and pregnancy hypertension. Douglas JT, et al. **Thromb Haemost** 1982 Feb 26;47(1):54-5

BLOOD

Kinetic determination of fibrinogen with a centrifugal analyzer. Denegri E, et al. **Clin Chem** 1982 Jul;28(7):1502-5

Problems with nonspecific binding in radioimmunoassay for fibrinogen fragment D [letter] Thornton RD, et al. **Clin Chem** 1982 Jul;28(7):1719-20

Kinetic and functional studies of platelets, fibrinogen, and plasminogen in patients with hepatic cirrhosis. Stein SF, et al. **J Lab Clin Med** 1982 Feb;99(2):217-30

Clearance of human desaminotyrosyl fibrinopeptide A from the rat circulation: role of kidney and proteolytic enzymes. Lane DA, et al. **Thromb Res** 1982 Apr 15;26(2):73-82

DIAGNOSTIC USE

Diagnostic value of fibrinopeptide A and beta-thromboglobulin in acute deep venous thrombosis and pulmonary embolism. van Hulsteijn H, et al. **Acta Med Scand** 1982;211(5):323-30

The 125I-fibrinogen sum-coincidence method: new technique for localization and dynamic evaluation of limb deep vein thrombosis [letter] Ulmsten U, et al. **Am Heart J** 1982 Mar;103(3):448-9

Practical application of 125I-fibrinogen leg scanning. Hull RD, et al. **CRC Crit Rev Clin Lab Sci** 1981;14(4):241-55 (59 ref.)

Tumor uptakes and organ distributions of gallium-67 oxalate, ligand bonded to proteins in rodents. Haines JE, et al. **Int J Nucl Med Biol** 1981;8(4):237-42

[The radiofibrinogen test and the fibrinsplit product test in the diagnosis of deep veinous thrombophlebitis during radiotherapy. A contribution to the evaluation for silent acute thrombophlebitis (author's transl)] Ardelt W. **Geburtshilfe Frauenheilkd** 1982 Mar;42(3):185-7 (Eng. Abstr.) **(Ger)**

[Fibrinogen test in surgical practice] Riabtsev VG, et al. **Med Radiol (Mosk)** 1981 Dec;26(12):17-21 (Eng. Abstr.) **(Rus)**

GENETICS

Direct evidence of transcriptional control of fibrinogen and albumin synthesis in rat liver during the acute phase response. Princen JM, et al. **Biochem Biophys Res Commun** 1981 Sep 30;102(2):717-23

Molecular cloning of cDNA for the alpha, beta, and gamma chains of rat fibrinogen. A family of coordinately regulated genes. Crabtree GR, et al. **J Biol Chem** 1981 Sep 25; 256(18):9718-23

Coordinate accumulation of the mRNAs for the alpha, beta, and gamma chains of rat fibrinogen following defibrination. Crabtree GR, et al. **J Biol Chem** 1982 Jul 10;257(13):7277-9

Fibrinogen Petoskey, a dysfibrinogenemia characterized by replacement of Arg-A alpha 16 by a histidyl residue. Evidence for thrombin-catalyzed hydrolysis at a histidyl residue. Higgins DL, et al. **J Biol Chem** 1981 Dec 10; 256(23):12013-7

Sialic acid dependent polypeptide chain heterogeneity of human fibrinogen demonstrated by two-dimensional electrophoresis. Kuyas C, et al. **Thromb Haemost** 1982 Feb 26;47(1):19-21

Fibrinogen New Orleans: hereditary dysfibrinogenemia with an A alpha chain abnormality. Andes WA, et al. **Thromb Res** 1982 Jan 1 & 15;25(1-2):41-50

[Fibrinogen Bern I and fibrinogen Bern II: 2 hereditary fibrinogen variants with diverse biochemical properties] Rupp C, et al. **Schweiz Med Wochenschr** 1981 Oct 10; 111(41):1543-5 (Eng. Abstr.) **(Ger)**

[Fibrinogen Pamplona. A new molecular variant (author's transl)] Gastearena J, et al. **Sangre (Barc)** 1981; 26(5-A):575-87 (Eng. Abstr.) **(Spa)**

IMMUNOLOGY

Monoclonal antibodies to fibrinogen: modulation of determinants expressed in fibrinogen by gamma-chain cross-linking. Wilner GD, et al. **Biochemistry** 1982 May 25;21(11):2687-92

Immunochemical studies of antisera to human fibrinopeptide-B. Butler VP Jr, et al. **Blood** 1982 May; 59(5):1006-12

Immunoreactivities of fibrin(ogen) related antigens and antibodies in radioimmunoassay and latex photometric immunoassay. Sudo T, et al. **Nippon Ketsueki Gakkai Zasshi** 1981 Feb;44(1):131-45

Surface markers of fibrinogen and its physiologic derivatives revealed by antibody probes. Plow EF, et al. **Semin Thromb Hemostas** 1982 Jan;8(1):36-56 (147 ref.)

[Enhancement of the immune agglutination of erythrocytes by fibrinogen] Hidalgo CG, et al. **Acta Cient Venez** 1980; 31(6):578-83 (Eng. Abstr.) **(Spa)**

ISOLATION & PURIFICATION

Purification of human fibrinopeptides by high-performance liquid chromatography. Koehn JA, et al. **Anal Biochem** 1981 Sep 15;116(2):349-56

Evidence for two classes of rat plasma fibrinogen gamma chains differing by thier COOH-terminal amino acid sequences. Legrele CD, et al. **Biochem Biophys Res Commun** 1982 Mar 30;105(2):521-9

Polyvinylpyrrolidone (PVP): a new precipitating agent for human and bovine factor VIII and fibrinogen. Casillas G, et al. **Br J Haematol** 1982 Apr;50(4):665-72

A subfraction of human fibrinogen with high sialic acid content and elongated gamma chains. Kuyas C, et al. **J Biol Chem** 1982 Feb 10;257(3):1107-9

METABOLISM

The binding of fibrinogen and fibrinogen degradation products to the erythrocyte membrane and its relationship to haemorheology. Rampling MW. **Acta Biol Med Ger** 1981;40(4-5):373-8

Accumulation of radionuclide-labeled platelets and fibrinogen in paraquat-damaged rat lungs. Divertie MB, et al. **Am Rev Respir Dis** 1982 May;125(5):574-8

Characterization of a leukocyte-derived endogenous mediator responsible for increased plasma fibrinogen. Kampschmidt RF, et al. **Ann NY Acad Sci** 1982;389:338-53 (68 ref.)

Fibrinogen catabolism in patients with type II and type IV hyperlipidemia. Effect of dietary and clofibrate treatment on laboratory findings. Fletcher A, et al. **Arteriosclerosis** 1981 May-Jun;1(3):202-9

Pseudoendothelium formation in expanded polytetrafluoroethylene grafts implanted in the inferior vena cava of normal and defibrinogenated dogs. Ishimaru S, et al. **Artif Organs** 1981 Nov;5(4):379-87

Comparison of the in vivo clearance of des-AA and des-AABB rat fibrin monomers prepared by different methods. Nieuwenhuizen W, et al. **Biochem Biophys Res Commun** 1982 Apr 14;105(3):1122-7

Alpha-chain domain of fibrinogen controls generation of fibrinoligase (coagulation factor XIIIa). Calcium ion regulatory aspects. Credo RB, et al. **Biochemistry** 1981 Jun 23;20(13):3770-8

Identification of a region of human fibrinogen interacting with staphylococcal clumping factor. Hawiger J, et al. **Biochemistry** 1982 Mar 16;21(6):1407-13

Isolation, characterization, and synthesis of peptides from human fibrinogen that block the staphylococcal clumping reaction and construction of a synthetic clumping particle. Strong DD, et al. **Biochemistry** 1982 Mar 16;21(6):1414-20

Binding of fibrinogen molecules to pig platelets and their membranes. Cierniewski CS, et al. **Biochim Biophys Acta** 1982 Feb 25;714(3):543-8

Interaction of fibrinogen and asialofibrinogen with concanavalin A and clotting properties of the complexes. Diaz-Mauriño T, et al. **Biochim Biophys Acta** 1981 Nov 5;677(3-4):381-9

Cleavage of the A alpha-chain of fibrinogen and the alpha-polymer of fibrin by the venom of spitting cobra (Naja nigricollis). Evans HJ. **Biochim Biophys Acta** 1981 Aug 13;660(2):219-26

Potential role of the A alpha chain in the binding of calcium to human fibrinogen. Marguerie G, et al. **Biochim Biophys Acta** 1982 Mar 4;701(3):410-2

Protamine interacts with the D-domains of fibrinogen. Okano K, et al. **Biochim Biophys Acta** 1981 Dec 29;671(2):164-7

Structural features of fibrinogen associated with binding to chelated zinc. Scully MF, et al. **Biochim Biophys Acta** 1982 Jan 4;700(1):130-5

Fibrin aggregation before sol-gel transition. Wiltzius P, et al. **Biophys J** 1982 May;38(2):123-32

Early stages of fibrinogen to fibrin conversion studied by static and dynamic light scattering. Wiltzius P, et al. **Biopolymers** 1981 Oct;20(10):2035-49

The affinity of fluorescent labeled fibrinogen to the vessel wall as seen by vital microscopy. Witte S. **Biorheology** 1981; 18(3-6):579-88

Arachidonate-induced fibrinogen binding to thrombin-degranulated rabbit platelets is independent of released ADP. Harfenist EJ, et al. **Blood** 1982 May; 59(5):956-62

ADP and epinephrine-induced release of platelet fibrinogen. Kaplan KL, et al. **Blood** 1981 Oct;58(4):797-802

The interaction of fibrinogen with human platelets in a plasma milieu. Marguerie GA, et al. **Blood** 1982 Jan; 59(1):91-5

Comparison of 125I-fibrinogen kinetics and fibrinopeptide A in patients with disseminated neoplasias. Mombelli G, et al. **Blood** 1982 Aug;60(2):381-8

Pulmonary function and fibrinogen metabolism in acute pancreatitis. Berry AR, et al. **Br J Surg** 1981 Dec; 68(12):870-3

Thrombosis detection: fibrinogen counting and radionuclide venography. DeNardo GL, et al. **Clin Nucl Med** 1981 Oct; 6(10S):P37-45

Effects of epinephrine on plasma fibrinogen levels in rats submitted to tissue injury. Palma JA, et al. **Experientia** 1981 Jul 15;37(7):780-2

On the kinetics of the thrombin-controlled polymerization of fibrin. Visser A, et al. **FEBS Lett** 1982 Jun 1;142(1):35-8

Non-enzymatic glucosylation of fibrinogen. McVerry BA, et al. **Haemostasis** 1981;10(5):261-70

Influence of brinase on fibrinogen: fibrin transition in vitro and in vivo studies. II. Induction of fibrin deposits by brinase in the kidneys of rats with inhibited fibrinolysis. Saldeen T, et al. **Haemostasis** 1982;11(3):161-9

Kinetic analysis of the fibrin monomers aggregation: calculation of the fibrinogen-fibrin equilibrium constant. Usero JL, et al. **Int J Biochem** 1981;13(11):1191-6

Identification of the fibrinogen receptor on human platelets by photoaffinity labeling. Bennett JS, et al. **J Biol Chem** 1982 Jul 25;257(14):8049-54

The zymogen forms of blood coagulation factor XIII bind specifically to fibrinogen. Greenberg CS, et al. **J Biol Chem** 1982 Jun 10;257(11):6096-101

A role for prostaglandins and thromboxanes in the exposure of platelet fibrinogen receptors. Bennett JS, et al. **J Clin Invest** 1981 Oct;68(4):981-7

Complex formation of platelet thrombospondin with fibrinogen. Leung LL, et al. **J Clin Invest** 1982 Sep; 70(3):542-9

Complex formation of platelet membrane glycoproteins IIb and IIIa with fibrinogen. Nachman RL, et al. **J Clin Invest** 1982 Feb;69(2):263-9

Antiopsonic activity of fibrinogen bound to M protein on the surface of group A streptococci. Whitnack E, et al. **J Clin Invest** 1982 Apr;69(4):1042-5

Inhibition of lymphocyte protein synthesis by fibrinogen-derived peptides. Plow EF, et al. **J Immunol** 1982 Apr;128(4):1595-8

Identification of the physiologically active state of the mycobacterial glycolipid trehalose 6,6'-dimycolate and the role of fibrinogen in the biologic activities of trehalose 6,6'-dimycolate monolayers. Retzinger GS, et al. **J Immunol** 1982 Aug;129(2):735-44

Evaluation of the viability of In-111-labeled DTPA coupled to fibrinogen. Layne WW, et al. **J Nucl Med** 1982 Jul; 23(7):627-30

Involvement of fibronectin, Von Willebrand factor, and fibrinogen in platelet interaction with solid substrata. Lahav J, et al. **J Supramol Struct Cell Biochem** 1981;17(4):299-311

Vascular permeability to macromolecules in rabbit paw and skeletal muscle: a lymphatic study with a mathematical interpretation of transport processes. Firrell JC, et al. **Microvasc Res** 1982 May;23(3):294-310

Clinical significance of urinary fibrinogen degradation products in renal disease: study with two methods and correlation with histological findings of intraglomerular coagulation. Loschiavo C, et al. **Nephron** 1981;28(4):200-3

Fat metabolism, the fibrinogen/fibrinolytic system and blood flow: new potentials for the pharmacological treatment of coronary heart disease. Pickart L. **Pharmacology** 1981; 23(5):271-80 (42 ref.)

gamma and alpha chains of human fibrinogen possess sites reactive with human platelet receptors. Hawiger J, et al. **Proc Natl Acad Sci USA** 1982 Mar;79(6):2068-71

Fibrin: structure and interactions. Hermans J, et al. **Semin Thromb Hemostas** 1982 Jan;8(1):11-24 (88 ref.)

Haemostatic clot formation at anastomosis of synthetic venous graft in defibrinogenated dogs: a scanning electron microscopic study. Ishimaru S, et al. **Thromb Haemost** 1981 Jun 30;45(3):276-81

The in vitro effect of ticlopidine on fibrinogen and factor VIII binding to human platelets. Lee H, et al. **Thromb Haemost** 1981 Oct;46(3):590-2

Fibrinopeptide A (FPA) level and fibrinogen kinetics in patients with malignant disease. Yoda Y, et al. **Thromb Haemost** 1981 Dec 23;46(4):706-9

Platelet count, platelet aggregation and fibrinogen levels following acute induction to high altitude (3200 and 3771 metres). Chatterji JC, et al. **Thromb Res** 1982 May 1; 26(3):177-82

Fibrinogen binding and ADP-induced aggregation in platelets from diabetic subjects. Leet H, et al. **Thromb Res** 1981 Oct 1-15;24(1-2):143-50

Human fibrinogen binds EDTA and citrate. Nieuwenhuizen W, et al. **Thromb Res** 1981 Jun 1-25;22(5-6):659-63

Recalculation of calcium-binding properties of human and rat fibrin(ogen) and their degradation products. Nieuwenhuizen W, et al. **Thromb Res** 1981 Jun 1-25; 22(5-6):653-7

A peptide derived from fibrin(ogen) inhibits angiotensin converting enzyme and potentiates the effects of bradykinin. Saldeen T, et al. **Thromb Res** 1981 Aug 15-Sep 1;23(4-5):465-70

Lactoperoxidase iodination of desaminotyrosylfibrinopeptide A (TYR-FPA) for radioimmunoassay. Urdén G.

Thromb Res 1982 May 15;26(4):289–96

[Alpha–1–anti..ypsin and fibrinogen levels in chronic renal failure and after kidney transplantation (author's transl)] Zazgornik J, et al. **Klin Wochenschr** 1981 Nov 16; 59(22):1261–5 (Eng. Abstr.) **(Ger)**

[Circadian behavior of the fibrinogen concentration in the plasma] Lutze G, et al. **Z Gesamte Inn Med** 1981 Jul 1; 36(13):464–6 (Eng. Abstr.) **(Ger)**

[In vivo and in vitro degradation of fibrin adhesives (studies in rats)] Pflüger H, et al. **Z Urol Nephrol** 1982 Jan; 75(1):25–30 (Eng. Abstr.) **(Ger)**

[The difference between carcinomatous and tuberculous pleural fluid in fibrin and fibrinogen metabolism (author's transl)] Suzuki S, et al. **Rinsho Ketsueki** 1981 Feb; 22(2):186–93 (Eng. Abstr.) **(Jpn)**

[Heparin complex formation with plasma proteins in an analytic ultracentrifuge] Liapina LA, et al. **Biol Nauki** 1982; (3):25–8 **(Rus)**

[Fibrinolytic activity of blood and urine in young children with acute pneumonia] Mamatkulov KhM, et al. **Pediatriia** 1981;(8):14–6 (Eng. Abstr.) **(Rus)**

[Role of Kupffer cells and hepatocytes in fibrinogen catabolism] Davydov VS, et al. **Vopr Med Khim** 1982 Jul–Aug;28(4):83–6 (Eng. Abstr.) **(Rus)**

PHARMACODYNAMICS

Reticuloendothelial (RE) response to surgery as modified by intravenous administration of plasma cryoprecipitate or cold–insoluble globulin (plasma fibronectin) purified by affinity chromatography. Saba TM, et al. **Adv Shock Res** 1980;3:251–71

Enhancement of the streptokinase–catalyzed activation of human plasminogen by human fibrinogen and its plasminolysis products. Strickland DK, et al. **Biochemistry** 1982 Feb 16;21(4):721–8

Fibrinogen enhances complement–mediated augmentation of retention of polymorphonuclear leukocytes by nylon columns. Phair JP, et al. **Infect Immun** 1981 Aug; 33(2):503–6

Demonstration of antiinflammatory activity of fibrinogen and fibrinopeptides in rats. Ruhenstroth–Bauer G, et al. **Inflammation** 1981 Dec;5(4):343–51

The effects of proteins on metallic corrosion. Clark GC, et al. **J Biomed Mater Res** 1982 Mar;16(2):125–34

Further studies on the effect of fibrinopeptides A and B on the central nervous system. Bernacka I, et al. **Pol J Pharmacol Pharm** 1981 Nov;33(4):407–14

PHYSIOLOGY

The release of carbohydrate moieties from human fibrinogen by almond glycopeptidase without alteration in fibrinogen clottability. Nishibe H, et al. **Biochim Biophys Acta** 1981 Oct 13;661(2):274–9

Fibrinogen degradation by two neutral granulocyte proteinases. Influence of calcium on the generation of fibrinogen degradation products with anticlotting properties. Bingenhkeimer C, et al. **Hoppe Seylers Z Physiol Chem** 1981 Jul;362(7):853–63

Fibronectin: review of its structure and possible functions. Mosher DF, et al. **J Invest Dermatol** 1981 Aug;77(2):175–80

Fibrinogen and fibrin. Doolittle RF. **Sci Am** 1981 Dec; 245(6):126–35

Radiolabeling of fibrinogen using the iodogen technique. Knight LC, et al. **Thromb Haemost** 1981 Oct;46(3):593–6

Lower molecular weight fibrinogen and non–clottable fibrinogen derivatives in diabetes mellitus. Gurewich V, et al. **Thromb Res** 1981 Jun 1–25;22(5–6):535–41

High molecular weight fibrinogen derivatives in hyperlipidemia. Killner MS, et al. **Thromb Res** 1981 May 1;22(3):329–44

Activation of Glu–plasminogen by urokinase in the presence of fibrin(ogen, fibrin, and SK–potentiator. Takada A, et al. **Thromb Res** 1981 May 15;22(4):497–501

How much fibrinogen or fibronectin is enough for platelet adhesion? Adams GA, et al. **Trans Am Soc Artif Intern Organs** 1981;27:219–24

[Biological properties of fibrinogen degradation products by thrombin] Buczko W. **Pol Tyg Lek** 1981 Jun 8;36(23):855–6 (20 ref.) **(Pol)**

STANDARDS

HBs antigen and antibody survey on human fibrinogen preparations in Japan. Yoshihara N, et al. **Jpn J Med Sci Biol** 1982 Feb;35(1):37–40

THERAPEUTIC USE

The influence of fibrin stabilization and fibrinolysis on the fibrin–adhesive system. A clinical study using radioactively marked fibrinogen as a tracer. Staindl O, et al. **Arch Otorhinolaryngol** 1981;233(1):105–16

The use of the fibrin adhesion system for local hemostasis in oral surgery. Wepner F, et al. **J Oral Maxillofac Surg** 1982 Sep;40(9):555–8

Further experience with cryoprecipitate coagulum in renal calculus surgery: a review of 60 cases. Fischer CP, et al. **J Urol** 1981 Oct;126(4):432–6

Preservation of the ruptured spleen by gluing with highly concentrated human fibrinogen: experimental and clinical results. Brands W, et al. **World J Surg** 1982 May;6(3):366–8

[Gluing of fresh cartilaginous lesions of the talus using concentrated fibrinogen adhesive (author's transl)] Paar O, et al. **Aktuel Traumatol** 1982 Jan;12(1):19–22 (Eng. Abstr.) **(Ger)**

[Fixing of osteochondral fragments with fibrinogen glue. Clinical experiences (author's transl)] Zilch H, et al. **Aktuel Traumatol** 1981 Aug;11(4):136–40 (Eng. Abstr.) **(Ger)**

[Closure of pleura–lung lesions using fibrin adhesives. Experimental examinations] Türk R, et al. **Med Welt** 1981 Aug 28;32(35):1280–2 **(Ger)**

[The tissue adhesion of the ruptured spleen with highly concentrated human fibrinogen (author's transl)] Brands W, et al. **Z Kinderchir** 1981 Apr;32(4):341–6 (Eng. Abstr.) **(Ger)**

[Use of highly concentrated human fibrinogen in paediatric surgery – a new therapeutic principle (author's transl)] Brands W, et al. **Z Kinderchir** 1982 Apr;35(4):159–62 (Eng. Abstr.) **(Ger)**

URINE

Catabolism and excretion of fibrinopeptide–A. Alkjaersig N, et al. **Blood** 1982 Jul;60(1):148–56

FIBRINOGEN DEFICIENCY see **AFIBRINOGENEMIA**

FIBRINOKINASE see **STREPTODORNASE AND STREPTOKINASE**

FIBRINOLIGASE see **FACTOR XIII**

FIBRINOLYSIN

Intravenous administration of plasmin treated immunoglobulins in 10 patients with agammaglobulinemia. Luzi G, et al. **Ann Sclavo** 1981 Jul–Aug;23(4):413–20

On the structure of the stable complex between plasmin and alpha–2–antiplasmin. Nilsson T, et al. **FEBS Lett** 1982 Jun 1;142(1):111–4

Formation of 99mTc–plasmin in presence of gentisic acid using 99mTc pretreated with concentrated hydrochloric acid and vacuum evaporation. Sundrehagen E. **Int J Appl Radiat Isot** 1982 Feb;33(2):93–7

Identification of proteose–peptone component 5 as a plasmin–derived fragment of bovine beta–casein. Eigel WN. **Int J Biochem** 1981;13(10):1081–6

[Experimental plasmin–induced arthritis] Pavelka K, et al. **Fysiatr Reumatol Vestn** 1982 Jan;60(1):28–36 (Eng. Abstr.) **(Cze)**

[Different reactivity of UK– and SK–activated plasmin against two fluorogenic substrates for plasmin (author's transl)] Suzuki K, et al. **Nippon Ketsueki Gakkai Zasshi** 1981 May;44(3):690–8 (Eng. Abstr.) **(Jpn)**

ADMINISTRATION & DOSAGE

[Administration of thrombolytic mixtures by superselective catheterization of the affected coronary artery for thrombolysis in acute myocardial infarct] Malinovskiĭ NN, et al. **Vestn Akad Med Nauk SSSR** 1981;(10):63–7 (Eng. Abstr.) **(Rus)**

ANALYSIS

Plasmin––alpha 2–antiplasmin complex as an indicator of in vivo fibrinolysis. Booth NA, et al. **Br J Haematol** 1982 Mar;50(3):537–41

The evaluation of plasmin and streptokinase activator complexes in a new rabbit model of venous thrombosis. Dupe RJ, et al. **Thromb Haemost** 1981 Aug 28;46(2):528–34

[Diagnostic testing of the fibrinolytic activity of human seminal fluid. Clinical case studies] Tanferna M, et al. **Minerva Ginecol** 1981 Jul–Aug;33(7–8):667–76 (Eng. Abstr.) **(Ita)**

ANTAGONISTS & INHIBITORS

Kinetic analysis of the heparin–enhanced plasmin––antithrombin III reaction. Apparent catalytic role of heparin. Machovich R, et al. **Biochem J** 1981 Dec 1; 199(3):521–6

Kinetics of plasmin inhibition in the presence of a synthetic tripeptide substrate. The reaction with pancreatic trypsin inhibitor and two forms of alpha 2–plasmin inhibitor. Petersen LC, et al. **Biochem J** 1981 Oct 1;199(1):121–7

Fibrinolysis–inhibitory activity of cultured human cancer cell lines. Naito S, et al. **Gan** 1981 Feb;72(1):1–7

Fibrinolytic and plasmin inhibitor activities in patients with acute myocardial infarction. Tamura Y, et al. **Jpn Heart J** 1981 Sep;22(5):773–8

GAGs–potentiated inhibition of thrombin, factor Xa and plasmin in plasma and in a purified system containing antithrombin III – correlation with total charge density. Cofrancesco E, et al. **Thromb Haemost** 1981 Dec 23; 46(4):749–51

Heparin and protease inhibition. II. The role of heparin in the ATIII inactivation of thrombin, plasmin, and trypsin. Smith GF, et al. **Thromb Res** 1981 Apr 1–15;22(1–2):115–33

The effect of alloxan–induced diabetes on tissue plasminogen activator activity and plasmin inhibition in the rat. Smokovitis A, et al. **Thromb Res** 1981 Aug 15–Sep 1; 23(4–5):421–34

Survival of transfused alpha 2–plasmin inhibitor in a patient with its congenital deficiency. Tamaki T, et al. **Thromb Res** 1981 May 1;22(3):281–6

[Synthetic inhibitors of serine proteinases. Part 24: Inhibition of trypsin, plasmin and thrombin by cyclic amides of N alpha–arylsulfonylamidinophenyl–glycines (author's transl)] Stürzebecher J, et al. **Pharmazie** 1981;36(7):501–2 (Eng. Abstr.) **(Ger)**

[Observation on urinary fibrinolytic activity in various renal disease (author's transl)] Shibata M, et al. **Nippon Jinzo Gakkai Shi** 1981 Mar;23(3):349–57 (Eng. Abstr.) **(Jpn)**

BIOSYNTHESIS

Characterization of staphylococci isolated from goats. 2. Differentiation from human strains: fibrinolytic activities and beta–haemolysin production. Adegoke GO, et al. **Zentral Bakteriol Mikrobiol Hyg [A]** 1981;249(4):438–42

DIAGNOSTIC USE

Diagnosis of deep vein thrombosis with 99Tcm–plasmin. Adolfsson L, et al. **Acta Med Scand** 1982;211(5):365–8

Diagnosis of deep venous thrombosis by phlebography and 99Tcm–plasmin. Edenbrandt CM, et al. **Acta Med Scand** 1982;211(1–2):59–64

ISOLATION & PURIFICATION

Human plasmin. Robbins KC, et al. **Methods Enzymol** 1981; 80 Pt C:379–87

METABOLISM

Effect of low molecular weight dextran sulphate on plasmin activity measured with S–2251. Matsuo O, et al. **Acta Physiol Lat Am** 1980;30(3):193–8

Secondary–site binding of Glu–plasmin, Lys–plasmin and miniplasmin to fibrin. Suenson E, et al. **Biochem J** 1981 Sep 1;197(3):619–28

Role of lysine binding regions in the kinetic properties of human plasmin. Morris JP, et al. **Biochemistry** 1981 Aug 18;20(17):4811–6

Studies on the C1r–binding site of rabbit C1s by plasmin fragmentation. Taniuchi S, et al. **FEBS Lett** 1981 Nov 30; 135(1):191–4

Inverse substrates: novel synthetic substrates for trypsin and related enzymes. Tanizawa K, et al. **Folia Haematol (Leipz)** 1982;109(1):61–6

Acetylcholine receptor: effects of proteolysis on receptor metabolism. Hatzfeld J, et al. **J Cell Biol** 1982 Jan; 92(1):176–82

Catabolic pathways for streptokinase, plasmin, and streptokinase activator complex in mice. In vivo reaction of plasminogen activator with alpha 2–macroglobulin. Gonias SL, et al. **J Clin Invest** 1982 Aug;70(2):412–23

Placental protein 5 is related to blood coagulation and fibrinolytic systems. Siiteri JE, et al. **Life Sci** 1982 May 31;30(22):1885–91

In vitro enhancement of AA–degrading activity in human plasma with the plasminogen activator streptokinase. Skogen B, et al. **Scand J Immunol** 1981 Dec;14(6):637–41

A molecular model of plasmic degradation of crosslinked fibrin. Francis CW, et al. **Semin Thromb Hemostas** 1982 Jan;8(1):25–35

Acyl–enzymes as thrombolytic agents in a rabbit model of venous thrombosis. Smith RA, et al. **Thromb Haemost** 1982 Jun 28;47(3):269–74

Digestion of alpha 2–plasmin inhibitor by neutral proteases from human leucocytes. Klingemann HG, et al. **Thromb Res** 1981 Dec 1–15;24(5–6):479–83

The release of heparin binding peptides from platelet thrombospondin by proteolytic action of thrombin, plasmin and trypsin. Lawler JW, et al. **Thromb Res** 1981 May 1; 22(3):267–79

Heparin and protease inhibition. I. Heparin complexes with thrombin, plasmin, and trypsin. Smith GF, et al. **Thromb Res** 1981 Apr 1–15;22(1–2):103–14

Conversion of Glu–plasminogen to plasmin by urokinase in the presence of tranexamic acid. Takada A, et al. **Thromb Res** 1981 May 15;22(4):437–43

Conversion of proteolytically modified form (Lys–form) of human plasminogen to plasmin by urokinase in the presence of tranexamic acid. Takada A, et al. **Thromb Res** 1981 Aug 15–Sep 1;23(4–5):411–9

[Cleavage of influenza virus hemagglutinin as affected by serum plasmin in cell culture and in vivo] Zhirnov OP, et al. **Vopr Virusol** 1981 Nov–Dec;(6):677–87 (Eng. Abstr.) **(Rus)**

PHARMACODYNAMICS

Resistance of factor XIII to degradation or activation by plasmin. Rider DM, et al. **Biochim Biophys Acta** 1981 Jul; 675(2):171–7

Effect of plasminogen activator (urokinase), plasmin, and thrombin on glycoprotein and collagenous components of basement membrane. Liotta LA, et al. **Cancer Res** 1981 Nov;41(11 Pt 1):4629–36

Proteolysis of factor B by plasma kallikrein and plasmin. Ikari N, et al. **FEBS Lett** 1981 Aug 17;131(1):143–6

Macrophage surface component gp160: sensitivity to plasmin and other proteases. Remold–O'Donnell E, et al. **J Immunol** 1982 Apr;128(4):1541–4

Interaction of plasminogen activators and inhibitors with plasminogen and fibrin. Lijnen HR, et al. **Semin Thromb Hemostas** 1982 Jan;8(1):2–10 (71 ref.)

On the conversion of high molecular weight urokinase to the low molecular weight form by plasmin. Barlow GH, et al. **Thromb Res** 1981 Sep 15;23(6):541–7
Some molecular and functional changes in high molecular weight kininogen induced by plasmin and trypsin. Kleniewski J, et al. **Thromb Res** 1982 Mar 1;25(5):387–99
Degradation of the apoprotein A–I polypeptide chain of human high density lipoprotein by human plasmin. Lijnen HR, et al. **Thromb Res** 1981 Oct 1–15;24(1–2):151–6
Selective action of alpha 2–macroglobulin–plasmin complex fibrin. Veremeenko KN, et al. **Thromb Res** 1981 Aug 1; 23(3):317–22
Antibody spectrum and anticomplementary activity of a plasmin–treated human immunoglobulin preparation. Masuda K, et al. **Vox Sang** 1982 Jan;42(1):8–15

PHYSIOLOGY

Plasminogen activator–plasmin system and neuronal migration. Moonen G, et al. **Nature** 1982 Aug 19; 298(5876):753–5

RADIATION EFFECTS

Differential responses to gamma–irradiation of bifunctional activities of bovine plasmin. Nulkar MW, et al. **Indian J Biochem Biophys** 1981 Oct;18(5):368–70

SECRETION

[Fibrinolytic properties of the morphological structures of the kidneys] Nikitin IuP, et al. **Arkh Patol** 1982;44(2):47–51 (Eng. Abstr.) **(Rus)**

THERAPEUTIC USE

[Treatment of typical every–day wounds, burns and leg ulcers in medical practice] **Fortschr Med** 1982 Jul 1; 100(25):1210–1 **(Ger)**
[The antithrombophilic complex of the arterial wall in the treatment of the acute phase of myocardial infarct] Comi G, et al. **Clin Ter** 1981 Dec 31;99(6):581–613 (Eng. Abstr.) **(Ita)**
[Radiomodifying effect of fibrinolysin in experimental radiotherapy] Mustafina RKh, et al. **Med Radiol (Mosk)** 1982 Mar;27(3):65–70 (Eng. Abstr.) **(Rus)**

FIBRINOLYSIS

Studies on the fibrinolytic effect of ocrase. Klöcking HP, et al. **Acta Biol Med Ger** 1981;40(9):1161–6
Effect of intermittent pneumatic and graduated static compression on factor VIII and the fibrinolytic system. Ljungnér H, et al. **Acta Chir Scand** 1981;147(8):657–61
Early local and systemic fibrinolytic response to high energy missile trauma. Almskog B, et al. **Acta Chir Scand [Suppl]** 1982;508:327–36
The role of HF cofactor in the Hageman factor–dependent fibrinolytic mechanism. Iatridis PG, et al. **Acta Haematol (Basel)** 1981;66(4):257–63
Relation of blood coagulation, fibrinolysis and platelet aggregation tests to development of deep vein thrombosis in high risk medical patients. Stegnar M, et al. **Acta Med Iugosl** 1981;35(4):259–67
Fibrinolytic activity of cerebral tissue after experimental subarachnoid haemorrhage: inhibitory effect of tranexamic acid (AMCA). Fodstad H, et al. **Acta Neurol Scand** 1981 Jul;64(1):29–46
Fluid pressure and fibrinolytic activity in implanted subcutaneous and intramuscular capsules. Matsuo O, et al. **Acta Physiol Lat Am** 1979;29(2–3):123–30
Coagulation and fibrinolysis in multiple trauma after early heparinizing. Trentz O, et al. **Adv Shock Res** 1979;2:103–10
Personal reflections on the development of thrombolytic therapy and its application to acute coronary thrombosis. Sherry S. **Am Heart J** 1981 Dec;102(6 Pt 2):1134–8
Reduced histidine–rich glycoprotein levels in plasma of patients with advanced liver cirrhosis. Possible implications for enhanced fibrinolysis. Saito H, et al. **Am J Med** 1982 Aug;73(2):179–82
Mini course. Hemostasis. Unit three: the fibrinolytic system. Vondergeest J. **Am J Med Technol** 1982 Mar;48(3):213–7
Coagulation, fibrinolysis, and kinin generation in adult cats. O'Rourke L, et al. **Am J Vet Res** 1982 Aug;43(8):1478–80
Interaction of the clotting, kinin–forming, complement, and fibrinolytic pathways in inflammation. Kaplan AP, et al. **Ann NY Acad Sci** 1982;389:25–38 (56 ref.)
Isolation of a fibrinolysis enzyme activator from commercial bromelain. Ako H, et al. **Arch Int Pharmacodyn Ther** 1981 Nov;254(1):157–67
Autographic study of fibrinolytic activity of rat oral epithelium. Southam JC, et al. **Arch Oral Biol** 1981; 26(10):831–5
The influence of fibrin stabilization and fibrinolysis on the fibrin–adhesive system. A clinical study using radioactively marked fibrinogen as a tracer. Staindl O, et al. **Arch Otorhinolaryngol** 1981;233(1):105–16
Platelet effects on tissue factor and fibrinolytic inhibition of cultured human fibroblasts and vascular cells. Smariga PE, et al. **Blood** 1982 Jul;60(1):140–7
The fibrinolytic activity of human oral epithelium and epidermis. Southam JC. **Br J Dermatol** 1981 Dec; 105(6):679–84
Plasmin–alpha 2–antiplasmin complex as an indicator of in vivo fibrinolysis. Booth NA, et al. **Br J Haematol** 1982 Mar;50(3):537–41
Demonstration of urokinase–related fibrinolytic activity in human plasma. Wijngaards G, et al. **Br J Haematol** 1982 May;51(1):165–9
Macrophage fibrinolytic activity: identification of two pathways of plasmin formation by intact cells and of a plasminogen activator inhibitor. Chapman HA Jr, et al. **Cell** 1982 Mar;28(3):653–62
Characteristics of fibrinolytic enzyme release from human monocytes. Ragsdale CG, et al. **Clin Exp Immunol** 1981 Oct;46(1):214–24
The role of fibrinolysis. Hedner U, et al. **Clin Haematol** 1981 Jun;10(2):327–42 (115 ref.)
Impaired fibrinolysis in uremia: partial and variable correction by four different dialysis regimes. Canavese C, et al. **Clin Nephrol** 1982 Feb;17(2):82–9
The role of the heart in the mechanism modifying the functional state of the blood clotting and fibrinolytic systems in thyroxine toxicosis. Georgieva SA, et al. **Cor Vasa** 1981;23(4):310–5
Tissue fibrinolysis in experimental gastric ulcer: a study in the rat. Stenberg B, et al. **Eur J Clin Invest** 1981 Oct; 11(5):361–7
Effect of long–term beta–blockade with alprenolol on platelet function and fibrinolytic activity in patients with coronary heart disease. Jürgensen HJ, et al. **Eur J Clin Pharmacol** 1981;20(4):245–50
Fibrinolysis in ovarian cancer. Maggino T, et al. **Eur J Gynaec Oncol** 1981;2(2):70–2
The coagulation and fibrinolytic enzyme system in pregnancy and in the puerperium. Beller FK, et al. **Eur J Obstet Gynecol Reprod Biol** 1982 May;13(3):177–97 (181 ref.)
Pulmonary insufficiency in the rat after intravascular coagulation and inhibition of fibrinolysis. I. Studies on some pathogenetic mechanisms. Gerdin B, et al. **Eur Surg Res** 1981;13(6):402–13
Effect of peritoneal trauma on peritoneal fibrinolytic activity and intraperitoneal adhesion formation. An experimental study in the rat. Raftery AT. **Eur Surg Res** 1981; 13(6):397–401
Experience with chromogenic substrates in studies of clotting and fibrinolytic systems. Chmielewska J, et al. **Folia Haematol (Leipz)** 1982;109(1):111–4
Fibrinolytic activity in normal and leukemic myeloid differentiation. Ghezzo F, et al. **Haematologica (Pavia)** 1982 Feb;67(1):17–22
The influence of various combinations of plasminogen and streptokinase on fibrinolysis. II. A mechanistic study. Gaffney PJ, et al. **Haemostasis** 1982;11(1):2–11
Coronary occlusion in the dog & pig: its effect on fibrinolysis & coagulation. Saxena KK, et al. **Indian J Exp Biol** 1981 Jun;19(6):541–3
Effect of exhaustive ergometric exercise on blood coagulation, platelet adhesiveness and fibrinolytic activity in untrained young men and women. Gaur S, et al. **Indian J Physiol Pharmacol** 1982 Jan–Mar;26(1):65–8
Fibrinolytic activity of blood and saliva before and after oral surgery. Gersel–Pedersen N. **Int J Oral Surg** 1981;10(Suppl 1):114–21
Primary excessive fibrinolysis following snake–bite (a case report). Acharya VN, et al. **J Assoc Physicians India** 1981 Jul;29(7):576–80
platelet adhesiveness, plasma fibrinogen and fibrinolytic activity in hypertension. Sharma SC, et al. **J Assoc Physicians India** 1981 May;29(5):359–63
Fibrinolytic properties of one–chain and two–chain human extrinsic (tissue–type) plasminogen activator. Rijken DC, et al. **J Biol Chem** 1982 Mar 25;257(6):2920–5
Tumor production in the nude mouse, fibrinolytic activity and cross–reactivity with antimelanoma sera of various human tumor cell lines. Brüggen J, et al. **J Cancer Res Clin Oncol** 1981;102(2):141–52
Significance of cross–linking of alpha 2–plasmin inhibitor to fibrin in inhibition of fibrinolysis and in hemostasis. Sakata Y, et al. **J Clin Invest** 1982 Mar;69(3):536–42
In vitro assay of thrombolysis with 125I–fibrinogen. Iga Y, et al. **J Clin Pathol** 1981 Dec;34(12):1400–3
Plasma fibrinolytic activity and platelets in infective hepatitis. Mehta CR, et al. **J Indian Med Assoc** 1981 Jun 16; 76(12):221–3
Preventing atherosclerosis through exercise and control of blood coagulation. McClelland J, et al. **J Med Assoc Ga** 1981 Sep;70(9):679–82
The mesothelium: its fibrinolytic properties. Whitaker D, et al. **J Pathol** 1982 Apr;136(4):291–9
Disseminated intravascular coagulation fibrinolytic syndrome following head injury in children: frequency and prognostic implications. Miner ME, et al. **J Pediatr** 1982 May; 100(5):687–91
Fibrinolytic activity of gingival epithelium. Southam JC, et al. **J Periodont Res** 1981 May;16(3):331–6
Biochemical studies on experimental stress ulcer. I. Gastric mucosal hemorrhage and coagulation fibrinolysis in rat stress ulcer. Ito M, et al. **J Pharmacobiodyn** 1981 Nov; 4(11):838–43
Fibrinolytic activity in coronary heart disease. Rani M, et al. **J Postgrad Med** 1981 Apr;27(2):105–8
Release of fibrinolytic enzymes by macrophages in response to soluble fibrin. Sherman LA, et al. **J Reticuloendothel Soc** 1981 Nov;30(5):317–29
Modifications of glomerular fibrinolysis in human renal graft rejection. Giroux L, et al. **J Surg Res** 1981 Sep;31(3):253–8
Primary fibrinolysis. Aycock RS. **J Tenn Med Assoc** 1982 Apr;75(4):269–75
Fibrinolytic and plasmin inhibitor activities in patients with acute myocardial infarction. Tamura Y, et al. **Jpn Heart J** 1981 Sep;22(5):773–8
New tissue sources and types of fibrinolytic enzymes. Atkinson T, et al. **Lancet** 1982 Jul 17;2(8290):132–3
Fibrinolytic inhibitor in type II hyperlipoproteinaemia [letter] Brommer EJ, et al. **Lancet** 1982 May 8;1(8280):1066
Placental protein 5 is related to blood coagulation and fibrinolytic systems. Siiteri JE, et al. **Life Sci** 1982 May 31;30(22):1885–91
Fibrinolytic activity in CSF of patients with SAH in the acute phase measured by a rapid method (correlation with t–AMCA concentration in CSF. Nishimatsu T, et al. **Neurol Med Chir (Tokyo)** 1981 Jan;21(1):85–93
Hematological prospect in 1981, particularly in the field of coagulation and fibrinolysis. Abe T. **Nippon Ketsueki Gakkai Zasshi** 1982 Feb;45(1):11–16 (27 ref.)
Study of a patient (G6PD–Akita) with an increased fibrinolytic activity and a decrease in the complement system. Endo Y, et al. **Nippon Ketsueki Gakkai Zasshi** 1981 Jul;44(4):929–37
Fat metabolism, the fibrinogen/fibrinolytic system and blood flow: new potentials for the pharmacological treatment of coronary heart disease. Pickart L. **Pharmacology** 1981; 23(5):271–80 (42 ref.)
The influence of magnetic fields on some humoral parameters and on resistance to hyperthermia in rats. Groza P, et al. **Physiologie** 1982 Jan–Mar;19(1):15–24 (22 ref.)
Microvascular fibrinolysis after ischemia: its relation to vascular patency and tissue survival. Jacobs GR, et al. **Plast Reconstr Surg** 1981 Nov;68(5):737–41
Genetic abnormalities of the fibrinolytic system. Aoki N. **Prog Clin Biol Res** 1981;72:229–47
Regulation of fibrinolysis – recent developments. Collen D. **Prog Clin Biol Res** 1981;72:221–8
The fibrinolytic system and its relation to inflammatory diseases. Clemmensen I, et al. **Semin Arthritis Rheum** 1982 May;11(4):390–8 (45 ref.)
Changes in platelet function, blood coagulation and fibrinolysis during insulin–induced hypoglycaemia in juvenile diabetics and normal subjects. Dalsgaard–Nielsen J, et al. **Thromb Haemost** 1982 Jun 28;47(3):254–8
Enhanced antithrombotic mechanisms in patients with maturity–onset diabetes mellitus without thromboembolic complications. Grignani G, et al. **Thromb Haemost** 1981 Oct;46(3):648–51
Blood fibrinolytic system in rana tigrina. Srivastava VM, et al. **Thromb Haemost** 1981 Jun 30;45(3):252–4
Studies on the activation mechanism of fibrinolytic enzyme system in plasma by human pancreatic elastase. Toki N, et al. **Thromb Haemost** 1982 Feb 26;47(1):8–13
Blood sampling techniques for fibrinolytic studies: comparison of Vacutainer R and traditional techniques. Allen RA, et al. **Thromb Res** 1981 Jul 1–15;23(1–2):197–9
Blood coagulation and fibrinolysis in fertile women with previous thromboembolic complications and effects of venous occlusion. Hellgren M, et al. **Thromb Res** 1981 Dec 1–15;24(5–6):453–65
The use of evacuated glass tubes for collection of blood samples for fibrinolytic assays. Jespersen J, et al. **Thromb Res** 1982 Jan 1 & 15;25(1–2):173–6
Impaired fibrinolytic response to DDAVP and venous occlusion in a sub–group of patients with von Willebrand's disease. Korninger C, et al. **Thromb Res** 1981 Aug 15–Sep 1;23(4–5):365–74
Determination of plasminogen activity (fibrinolytic) with the lysometer. Murano G. **Thromb Res** 1981 Jun 1–25; 22(5–6):705
Alterations of haemostasis after exposure to sauna. Zwierzina WD, et al. **Z Rheumatol** 1981 Nov–Dec;40(6):255–60
[Diffusion in fibrin by simultaneous fibrinolysis] Senf L. **Folia Haematol (Leipz)** 1981;108(3):439–46 (Eng. Abstr.) **(Ger)**
[Determination of fibrinolysis with peptide substrates] Teger–Nilsson AC, et al. **Folia Haematol (Leipz)** 1982; 109(1):121–34 **(Ger)**
[Round table on the use of chromogenic substrates in hemostasiologic diagnosis] Vogel G. **Folia Haematol (Leipz)** 1982;109(1):189–200 **(Ger)**
[Pro and con: etiology of arteriosclerosis. Essential significance of circulating blood, especially of thrombocytes and the blood coagulation and fibrinolysis systems] Hess H. **Internist (Berlin)** 1981 Nov;22(11):658–60 **(Ger)**
[Hyperfibrinolysis syndrome in paraproteinemia (IgG)] Egbring R, et al. **Med Welt** 1981 Sep 25;32(39):1427–30 **(Ger)**
[Fibrinolytic therapy of deep venous thrombosis] Trübestein G. **Med Welt** 1982 Apr 23;33(16):592–8 **(Ger)**
[Fatal complications of fibrinolysis] Straub H. **MMW** 1982 Jan 8;124(1):57–61 **(Ger)**
[Effects of different types of substitutive treatment on fibrinolytic potential of chronic uremic patients] Canavese C, et al. **Minerva Nefrol** 1981 Jul–Sep;28(3):339–43 (Eng. Abstr.) **(Ita)**
[Role of fibrin formation processes in cerebrovascular diseases] Levati A, et al. **Recenti Prog Med** 1981 Dec; 71(6):601–11 **(Ita)**

[Studies on dynamics of blood coagulo-fibrinolysis and glycoprotein in various diseases in oral region (author's transl)] Kawashima K. **Igaku Kenkyu** 1981 Mar;51(1):56–78 (Eng. Abstr.) **(Jpn)**

[A study on coagulative and fibrinolytic dynamics in experimental traumatic shock (author's transl)] Tanabe K, et al. **Masui** 1981 Aug;30(8):826–31 (Eng. Abstr.) **(Jpn)**

[Local fibrinolytic activity in human optic nerve vessels (author's transl)] Yoshitomi F. **Nippon Ganka Gakkai Zasshi** 1981 Sep 10;85(9):1442–8 (Eng. Abstr.) **(Jpn)**

[Studies on unexplained renal hematuria. 1. Clinical studies of peripheral blood examination and fibrinolytic enzyme systems in patients with various types of renal hematuria (author's transl)] Hayashi M. **Nippon Hinyokika Gakkai Zasshi** 1981 Jan;72(1):42–59 (Eng. Abstr.) **(Jpn)**

[Courses of coagulation–fibrinolysis system and renal histological findings in aminonucleoside nephrosis (author's transl)] Kikuchi K. **Nippon Jinzo Gakkai Shi** 1981 Aug; 23(8):1087–104 (Eng. Abstr.) **(Jpn)**

[Molecular abnormalities of coagulation–fibrinolysis factors] Sakata Y, et al. **Nippon Ketsueki Gakkai Zasshi** 1980 Dec; 43(6):1212–8 (Eng. Abstr.) **(Jpn)**

[Coagulation and fibrinolysis in lung diseases (author's transl)] Tanaka K. **Nippon Kyobu Shikkan Gakkai Zasshi** 1980 Nov; 18(11):764–79 (Eng. Abstr.) **(Jpn)**

[Studies on coagulation–fibrinolysis system and cold insoluble globulin in normal pregnancy (author's transl)] Mutoh S, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1982 Mar; 34(3):369–77 (Eng. Abstr.) **(Jpn)**

[Alterations in coagulation and fibrinolytic system in abruptio placentae (author's transl)] Saito H. **Nippon Sanka Fujinka Gakkai Zasshi** 1982 Apr; 34(4):529–37 (Eng. Abstr.) **(Jpn)**

[Tissue fibrinolytic activity in ulcerative colitis (author's transl)] Tada M, et al. **Nippon Shokakibyo Gakkai Zasshi** 1981 Apr;78(4):841–5 (Eng. Abstr.) **(Jpn)**

[Experimental studies on gastrointestinal bleeding in acute hepatic failure. Part 1. With special reference to the coagulation and fibrinolytic system (author's transl)] Uemura M, et al. **Nippon Shokakibyo Gakkai Zasshi** 1981 Oct;78(10):1936–46 (Eng. Abstr.) **(Jpn)**

[A case of Cronkhite–Canada syndrome presenting accentuated fibrinolytic activity of gastrointestinal mucosa (author's transl)] Uraoka M, et al. **Nippon Shokakibyo Gakkai Zasshi** 1981 Oct;78(10):2003–7 **(Jpn)**

[Application of gabexate mesilate on measurement of coagulation and fibrinolysis. —The effect of high molecular weight Fbg/Fb complex in plasma— (author's transl)] Suzuki S, et al. **Rinsho Byori** 1981 Apr;29(4):404–8 **(Jpn)**

[Evaluation of the coagulation and fibrinolysis systems in gastric and duodenal peptic ulcer patients] Kempf Z. **Folia Med Cracov** 1981;23(2):257–67 (Eng. Abstr.) **(Pol)**

[Euglobulin fibrinolytic activity of blood flowing through arteriosclerotically changed arteries before and immediately after reconstructive operations] Cencora A, et al. **Pol Tyg Lek** 1980 Dec 29;35(52):2033–5 (Eng. Abstr.) **(Pol)**

[Blood coagulability, fibrinolysis and the state of humoral immunity in pregnant women with nephropathies] Kuznik BI, et al. **Akush Ginekol (Mosk)** 1982 Mar;(3):13–6 (Eng. Abstr.) **(Rus)**

[Fibrinolytic properties of the morphological structures of the kidneys] Nikitin IuP, et al. **Arkh Patol** 1982;44(2):47–51 (Eng. Abstr.) **(Rus)**

[Effect of adenalectomy on the initial stage of thrombin clearance in animals with depressed functioning of the anticoagulation system due to long-term maintenance on an atherogenic diet] Ul'ianov AM, et al. **Biol Nauki** 1982; (4):37–41 **(Rus)**

[Factors of the fibrinolysis of the vascular wall in patients with different severity of atherosclerosis and of different age] Kovalenko AN. **Biull Eksp Biol Med** 1982 Jan; 93(1):26–8 **(Rus)**

[Release of tissue blood-clotting and fibrinolytic compounds into vascular bed by the intestine] Golyshenkov SP, et al. **Fiziol Zh SSSR** 1981 Dec;67(12):1853–61 (Eng. Abstr.) **(Rus)**

[Role of the thymus in regulating blood coagulation and fibrinolysis] Kuznik BP, et al. **Fiziol Zh SSSR** 1982 Jan; 68(1):52–8 (Eng. Abstr.) **(Rus)**

[Significance of hemostatic and fibrinolytic changes in thrombus formation in cardiovascular diseases] Andreenko GV. **Kardiologiia** 1981 Aug;21(8):120–5 (66 ref.) **(Rus)**

[Erythrocyte coagulating and fibrinolytic activity in chronic ischemic heart disease] Gritsiuk AI, et al. **Kardiologiia** 1981 Aug;21(8):22–8 (Eng. Abstr.) **(Rus)**

[Functional state of the blood coagulation and anticoagulation systems in diabetic vascular lesion of the legs before and after combined treatment] Tkachuk GV, et al. **Klin Khir** 1981 Jul;(7):17–20 **(Rus)**

[Tissue fibrinolysis in the mechanism of gastroduodenal hemorrhage in patients with peptic ulcer] Belousov AS, et al. **Klin Med (Mosk)** 1981 Feb;59(2):23–8 **(Rus)**

[Determination of blood fibrinolytic activity by a micromethod] Pugach VN. **Lab Delo** 1982;(4):250 **(Rus)**

[Problems in atherosclerosis, hypertension, myocardial infarct and thrombosis in light of the theory of the functional role of the anticoagulation system] Kalishevskaia TM. **Patol Fiziol Eksp Ter** 1982 Mar–Apr;(2):82–6 (66 ref.) **(Rus)**

[Role of urokinase in regulating the fibrinolytic activity of blood in normal dogs] Kuznik VI, et al. **Patol Fiziol Eksp Ter** 1981 May–Jun;(3):45–7 (Eng. Abstr.) **(Rus)**

[Fibrinolytic activity of blood and urine in young children with acute pneumonia] Mamatkulov KhM, et al. **Pediatriia** 1981;(8):14–6 (Eng. Abstr.) **(Rus)**

[Factors increasing exoprotease activity in the associative cultures of coryneform bacteria] Milovanova II, et al. **Prikl Biokhim Mikrobiol** 1982 Mar–Apr;18(2):202–6 (Eng. Abstr.) **(Rus)**

[Interrelation of the thromboplastic and fibrinolytic activity of different tissues] Kuznik BI, et al. **Probl Gematol Pereliv Krovi** 1981 Nov;26(11):28–31 (Eng. Abstr.) **(Rus)**

[Role of sensitive receptor structures in the pathogenesis of disorders of the blood coagulation and fibrinolysis system in tourniquet shock] Levandovskiĭ IV, et al. **Probl Gematol Pereliv Krovi** 1982 May;27(5):47–50 (Eng. Abstr.) **(Rus)**

[Role of the fibrinolytic system in the formation of the destructive processes in pulmonary tuberculosis] Shul'gina ZL, et al. **Probl Tuberk** 1981 Jun;(6):47–50 (Eng. Abstr.) **(Rus)**

[Disorders of the mechanism of organ regulation of fibrinolysis in the pathogenesis of hemorrhagic syndrome in liver cirrhosis] Bratchik AM. **Ter Arkh** 1982;54(2):62–7 (Eng. Abstr.) **(Rus)**

[Fibrinolytic system of the blood in peptic ulcer complicated by hemorrhage (retrospective data)] Fisher AA, et al. **Ter Arkh** 1982;54(2):28–32 (Eng. Abstr.) **(Rus)**

[Mechanism of nonenzymatic fibrinolysis] Litvinov VI, et al. **Vopr Med Khim** 1981;27(4):478–81 (Eng. Abstr.) **(Rus)**

[Blood coagulating and fibrinolytic activity of the endometrium in precancer and cancer] Kudriavtseva LI, et al. **Vopr Onkol** 1981;27(10):44–8 (Eng. Abstr.) (Rus)

[Fibrinolytic activity of blood and thyroid tissue in nodular goiter and thyrotoxicosis] Kovalev AP. **Vrach Delo** 1981 Oct;(10):81–2 **(Rus)**

[Blood coagulation and nonenzymatic fibrinolysis indices in acute and chronic pneumonias] Sheleg VA, et al. **Vrach Delo** 1982 Jun;(6):82–5 **(Rus)**

[Risk of hemorrhage in transurethral prostatectomy. Pre- and postoperative evaluation of coagulation and fibrinolysis in a series of 16 patients] Maganto Pavón E, et al. **Actas Urol Esp** 1981 May–Jun;5(3):175–80 (Eng. Abstr.) **(Spa)**

[Endouterine fibrinolytic activity in users of intrauterine devices] Gayán P, et al. **Rev Chil Obstet Ginecol** 1979; 44(5):237–44 (Eng. Abstr.) **(Spa)**

[Inhibition of fibrinolysis by alimentary lipemia and the effect of trauma on tumor spread (author's transl)] Agostino D, et al. **Sangre (Barc)** 1981;26(3):269–75 **(Spa)**

DRUG EFFECTS

The fibrinolytic effects of anaesthesia. Simpson PJ, et al. **Anaesthesia** 1982 Jan;37(1):3–8

Effects of tranexamic acid on the coagulation and fibrinolytic systems in pregnancy complicated by placental bleeding. Walzman M, et al. **Arch Toxicol [Suppl]** 1982;5:214–20

Effects of human granulocyte elastase on fibrinolysis. Nagamatsu A, et al. **Chem Pharm Bull (Tokyo)** 1981 Apr; 29(4):1121–9

Fibrinolytic activity of uterine fluid in oral contraceptive users. Casslén B. **Contraception** 1982 May;25(5):515–21

Effect of tranexamic acid on the fibrinolytic activity of human uterine fluid. Casslén B. **Contraception** 1982 Feb; 25(2):191–7

Effect of acute ethanol intoxication on primary haemostasis, coagulation factors and fibrinolytic activity. Zoucas E, et al. **Eur Surg Res** 1982;14(1):33–44

Enhancement of vitreous clot lysis by urokinase: mode of action. Forrester JV, et al. **Exp Eye Res** 1982 Jun; 34(6):895–907

The influence of various combinations of plasminogen and streptokinase on fibrinolysis. Gaffney PJ, et al. **Haemostasis** 1981;10(6):304–14

Mechanism of accelerated lysis of blood clots from heparinised blood. Morris CJ, et al. **Haemostasis** 1981; 10(5):245–60

Propranolol on plasma fibrinogen, fibrinolytic activity and cardiac injury following isoprenaline challenge in rats. Saxena KK, et al. **Indian Heart J** 1981 May–Jun;33(3):91–4

The dexamethasone-induced inhibitor of fibrinolytic activity in hepatoma cells. A cellular product which specifically inhibits plasminogen activation. Coleman PL, et al. **J Biol Chem** 1982 Apr 25;257(8):4260–4

Generation of fibrinolytic activity by infusion of activated protein C into dogs. Comp PC, et al. **J Clin Invest** 1981 Nov;68(5):1221–8

Protease inhibitors suppress fibrinolytic activity of herpesvirus-transformed cells. Adelman SF, et al. **J Gen Virol** 1982 May;60(Pt 1):15–24

Response to fibrinolytic activity and factor VIII-related antigen to stimulation with desmopressin in hyperlipoproteinemia. Brommer EJ, et al. **J Lab Clin Med** 1982 Jul;100(1):105–14

Stimulation of fibrinolytic activity in human skin fibroblasts by prostaglandins E1, E2 and I2. Crutchley DJ, et al. **J Pharmacol Exp Ther** 1982 Sep;222(3):544–9

Endothelial integrity after venous cryopreservation. Sachs SM, et al. **J Surg Res** 1982 Mar;32(3):218–27

Measurement of fibrinolytic activity after epsilon-aminocaproic acid administration in rats (Rattus norvegicus). Gogjian MA, et al. **Lab Anim Sci** 1981 Dec; 31(6):710–1

Heparin enhances fibrinolysis in B16 mouse melanoma cells. Heaney-Kieras J, et al. **Life Sci** 1981 Jul 13;29(2):151–6

Effect of 6-azauridine and pyrazofurin on fibrinolysis by L1210 leukemic cells. Novak JF. **Oncology** 1982 Mar–Apr; 39(2):118–25

Effects of the cyproterone acetate + ethynil oestradiol antiandrogen association on blood coagulation and fibrinolysis in hirsute women. Ghezzo F, et al. **Panminerva Med** 1981 Oct–Dec;23(4):223–6

Effect of prostacyclin on fibrinolytic activity in patients with arteriosclerosis obliterans [letter] Dembinska-Kiec A, et al. **Thromb Haemost** 1982 Apr 30;47(2):190

The thrombolytic activity of streptokinase in the rabbit. English PD, et al. **Thromb Haemost** 1981 Aug 28; 46(2):535–7

Changes in granulocyte fibrinolytic activity (FA) induced by in vivo treatment with lysine acetylsalicylate (LAS) [letter] Ghezzo F, et al. **Thromb Haemost** 1981 Dec 23; 46(4):761

Studies on the specific fibrinolytic effect of human extrinsic (tissue-type) plasminogen activator in human blood and in various animal species in vitro. Korninger C, et al. **Thromb Haemost** 1981 Aug 28;46(2):561–5

Comparison of the relative fibrinogenolytic, fibrinolytic and thrombolytic properties of tissue plasminogen activator and urokinase in vitro. Matsuo O, et al. **Thromb Haemost** 1981 Jun 30;45(3):225–9

The fibrinolytic action of the synthetic agent S-1623 in a purified system of fibrin and plasminogen. Chevallet-Prandini MH, et al. **Thromb Res** 1981 Nov 1; 24(3):197–205

A comparison of the effects of cimetidine and epsilon-aminocaproic acid on fibrinolysis induced by activators of plasminogen and on fibrin formation. Jespersen J, et al. **Thromb Res** 1981 May 1;22(3):287–93

On the fibrinolytic and thrombolytic properties of active-site p-anisoylated streptokinase-plasminogen complex (BRL 26921). Matsuo O, et al. **Thromb Res** 1981 Nov 15; 24(4):347–58

Studies on the haemostatic system in peripheral arterial disease. I. Factor VIII, fibrinolytic activity, and changes induced by venous occlusion and nicotinic acid administration. Ponari O, et al. **Thromb Res** 1981 Jun 1–25; 22(5–6):565–72

The fibrinolytic response to stanozolol in normal subjects. Preston FE, et al. **Thromb Res** 1981 Jun 1–25; 22(5–6):543–51

Thrombin-like and fibrinolytic enzymes in the venoms from the Gaboon viper (Bitis gabonica), eastern cottonmouth moccasin (Agkistrodon p. piscivorus) and southern copperhead (Agkistrodon c. contortrix) snakes. Bajwa SS, et al. **Toxicon** 1982;20(2):427–32

Envenomation by the northern blacktail rattlesnake (Crotalus molossus molossus): report of two cases and the in vitro effects of the venom on fibrinolysis and platelet aggregation. Hardy DL, et al. **Toxicon** 1982;20(2):487–93

[Anticoagulant and fibrinolytic effects of total glycosides of Chi-Shao (Paeonia lactiflora) in rats] Ji LX, et al. **Chung Kuo I Hsueh Ko Hsueh Yuan Hsueh Pao** 1981 Jun; 3 Suppl 1:41–3 (Eng. Abstr.) **(Chi)**

[Increased fibrinolytic activity by sequential treatment with defibrase-plasminogen-urokinase in pulmonary embolism and deep venous thrombosis] Brochier M, et al. **Arch Mal Coeur** 1981 Jul;74(7):761–9 (Eng. Abstr.) **(Fre)**

[Selective thrombolysis in acute myocardial infarction: evaluation of functional result by metabolic studies and perfusion imaging (author's transl)] Pachinger O, et al. **Acta Med Austriaca** 1982;9(2):65–71 (Eng. Abstr.) **(Ger)**

[In vitro measurement of fibrinolysis by urokinase] Senf L. **Folia Haematol (Leipz)** 1981;108(6):819–21 (Eng. Abstr.) **(Ger)**

[In vivo and in vitro degradation of fibrin adhesives (studies in rats)] Pflüger H, et al. **Z Urol Nephrol** 1982 Jan; 75(1):25–30 (Eng. Abstr.) **(Ger)**

[Ventricle function after intracoronary fibrinolysis treatment of the fresh heart infarct] Schwarz F, et al. **ZFA (Stuttgart)** 1981 Nov 30;57(33):2300–5 **(Ger)**

[Effects of insulin on fibrinolytic and phagocytic activity of peritoneal macrophages in mice] Ghezzo F, et al. **Boll Soc Ital Biol Sper** 1982 Mar 15;58(5):200–3 (Eng. Abstr.) **(Ita)**

[Effect of heparin on fibrinolysis, complement, and kinin generation systems (author's transl)] Nakagawa M, et al. **Rinsho Ketsueki** 1981 Jul;22(7):1016–22 (Eng. Abstr.) **(Jpn)**

[Effect of tricholysine on plasma fibrinolytic activity] Serebriakova TN, et al. **Biol Nauki** 1981;(8):46–51 **(Rus)**

[Effect of thymalin on blood coagulation and fibrinolysis] Kuznik BI, et al. **Farmakol Toksikol** 1981 Jul–Aug; 44(4):422–5 (Eng. Abstr.) **(Rus)**

[Reflex reaction of the anticlotting system to DIP-alpha-thrombin devoid of blood clotting activity] Kudriashov BA, et al. **Fiziol Zh SSSR** 1981 Jul;67(7):1021–6

(Eng. Abstr.) (Rus)
[Effect of the new Soviet thrombolytic preparation streptodecase on the fibrinolysis system] Chazov EI, et al. **Kardiologiia** 1981 Aug;21(8):18–21 (Eng. Abstr.) (Rus)
[Effect of angiotensin II on indices of the fibrinolysis system in experiments in vitro] Golubenkova NI. **Lab Delo** 1981; (12):720–2 (Eng. Abstr.) (Rus)
[Fibrinolytic system of animals repeatedly and chronically administered plasminogen tissue activator] Shimonaeva EE, et al. **Vopr Med Khim** 1981 Nov–Dec;27(6):823–8 (Eng. Abstr.) (Rus)
[Effect of Complamin on fibrinolysis and platelet aggregation in the aged] Matijević N, et al. **Bilt Hematol Transfuz** 1980; 8(1):37–43 (Eng. Abstr.) (Scr)
[Effect of sodium heparin on activated fibrinolysis in the rat in vivo] Badimón L, et al. **Arch Farmacol Toxicol** 1981 Apr;7(1):105–8 (Spa)
[Heparin and fibrinolysis inhibitors] Villaverde CA, et al. **Arch Farmacol Toxicol** 1981 Apr;7(1):97–100 (Spa)

FIBRINOLYTIC AGENTS

The relationship between high fibrinolytic activity and daily capsicum ingestion in Thais. Visudhiphan S, et al. **Am J Clin Nutr** 1982 Jun;35(6):1452–8
Anti-coagulant and anti-thrombotic effects of some protease inhibitors. Mattson C, et al. **Folia Haematol (Leipz)** 1982; 109(1):43–51
A study on the in vivo production of thrombosis in rat mesenteric arterioles and action of prostaglandin (PG) I2 on the thrombosis. Takano S, et al. **Jpn J Pharmacol** 1982 Jun;32(3):439–44
Effect of dextran on the fibrinolytic activity of urokinase. Matsuo O, et al. **Nippon Ketsueki Gakkai Zasshi** 1982 Feb; 45(1):112–8
Effects of a novel acylindole derivative on experimental thrombotic models, ulceration of the gastric mucosa and prostacyclin production in the aorta. Ohtsu A, et al. **Thromb Res** 1981 Nov 1;24(3):233–44
[Low molecular weight oligosaccharides active in plasma against factor Xa. II. New structural elements and antithrombotic activity (author's transl)] Choay J, et al. **Ann Pharm Fr** 1981 Jul;39(3):267–72 (Eng. Abstr.) (Fre)

ADMINISTRATION & DOSAGE

Direct intracoronary thrombolysis in acute infarction [editorial] **Lancet** 1982 Jan 16;1(8264):146–7
[Acute massive pulmonary embolism, leading to clinical death, treated with superdoses of fibrinolytics] Deli L, et al. **Orv Hetil** 1981 Jul 5;122(27):1659–61 (Hun)
[Treatment of acute experimental myocardial infarct] Malinovskiĭ NN, et al. **Khirurgiia (Mosk)** 1982 Feb;(2):52–8 (Eng. Abstr.) (Rus)

ADVERSE EFFECTS

[Biological monitoring of antithrombosis treatments (author's transl)] Samama M. **Ann Cardiol Angeiol (Paris)** 1981 Dec; 30(7):483–6 (Eng. Abstr.) (Fre)
[Spontaneous extensive duodenal hematoma during fibrinolytic treatment. Ultrasonographic diagnosis and follow-up (author's transl)] Delgoffe C, et al. **J Radiol** 1981 Mar;62(3):187–9 (Eng. Abstr.) (Fre)

ANALYSIS

[New assay methods on blood clotting and fibrinolytic factors (author's transl)] Fujimaki M. **Rinsho Byori** 1982 Jan; 30(1):44–53 (Jpn)
[Modification of the euglobulin method of determining the fibrinolytic properties of tissues] Golyshenkov SP, et al. **Lab Delo** 1982;(6):31–3 (Eng. Abstr.) (Rus)

BLOOD

Regulation of haemostasis and tissue repair in various organs by procoagulants and fibrinolytic agents. Astrup T. **Rinsho Ketsueki** 1981 Sep;22(9):1377–93

CEREBROSPINAL FLUID

[The relationship between coagulation and fibrinolysis factors of cerebrospinal fluid and cerebrovascular dementia (author's transl)] Kobayashi Y. **Nippon Ika Daigaku Zasshi** 1982;49(3):370–9 (Eng. Abstr.) (Jpn)

ISOLATION & PURIFICATION

Studies of a fibrinolytic enzyme from the larvae of Lonomia achelous (Cramer) using chromogenic peptide substrates. Arocha-Piñango CL, et al. **Thromb Haemost** 1981 Dec 23; 46(4):710–3

METABOLISM

Stereoisomeric alanine peptides as substrates for human spleen fibrinolytic proteinase (SFP). Okada Y, et al. **Chem Pharm Bull (Tokyo)** 1981 Jun;29(6):1762–4

PHARMACODYNAMICS

The relationship between the hemorrhagic and antithrombotic properties of low molecular weight heparin in rabbits. Carter CJ, et al. **Blood** 1982 Jun;59(6):1239–45
Fibrinolytic agents. Schmitz-Huebner U, et al. **Clin Haematol** 1981 Jun;10(2):481–96 (78 ref.)
Intravenous arachidonate-induced respiratory distress: comparative study of three in vivo models for the measurement of antithrombotic activity. Garcia Rafanell J, et al. **J Pharmacol Methods** 1982 May;7(3):231–8
Pharmacological studies on the antithrombotic action of hirudin in experimental animals. Markwardt F, et al. **Thromb Haemost** 1982 Jun 28;47(3):226–9
A thiazole compound with potential antithrombotic activity. Nishizawa EE, et al. **Thromb Haemost** 1982 Apr 30; 47(2):173–6
A comparison of acylated streptokinase–plasminogen complex and streptokinase in healthy volunteers. Prowse CV, et al. **Thromb Haemost** 1982 Apr 30;47(2):132–5
On the fibrinolytic and thrombolytic properties of active-site p-anisoylated streptokinase–plasminogen complex (BRL 26921). Matsuo O, et al. **Thromb Res** 1981 Nov 15; 24(4):347–58
Antithrombotic activity of a polydeoxyribonucleotidic substance extracted from mammalian organs: a possible link with prostacyclin. Niada R, et al. **Thromb Res** 1981 Aug 1;23(3):233–46
FOY: [ethyl p-(6-guanidinohexanoyloxy) benzoate] methanesulfonate as a serine proteinase inhibitor. II. In vivo effect on coagulofibrinolytic system in comparison with heparin or aprotinin. Ohno H, et al. **Thromb Res** 1981 Dec 1–15;24(5–6):445–52
[Effect of tetramethylpyrazine on experimental thrombosis formation (author's transl)] Yin WT, et al. **Chung Kuo Yao Li Hsueh Pao** 1981 Dec;2(4):238–40 (Eng. Abstr.) (Chi)
[Effect of chemical modification on proteinase interaction with inhibitors, on their coagulability and acute toxicity] Bogacheva TI, et al. **Biokhimiia** 1981 May;46(5):863–71 (Eng. Abstr.) (Rus)
[Effect of tricholysine on plasma fibrinolytic activity] Serebriakova TN, et al. **Biol Nauki** 1981;(8):46–51 (Rus)
[Pharmacological and clinical study of the thrombolytic effectiveness of ocrase] Klöking K, et al. **Kardiologiia** 1981 Aug;21(8):36–8 (Rus)
[Optimization of the composition of the medium for thrombolytic enzyme biosynthesis in pure and mixed cultures] Gesheva VI, et al. **Mikrobiologiia** 1982 Mar–Apr; 51(2):206–11 (Eng. Abstr.) (Rus)

THERAPEUTIC USE

Coronary thrombolysis by intravenous streptokinase in clinical acute myocardial infarction. Lee G, et al. **Am Heart J** 1981 Oct;102(4):783–6
Coronary thrombolysis: some unresolved issues. Sobel BE, et al. **Am J Med** 1982 Jan;72(1):1–4
Case report. Acute cor pulmonale due to massive pulmonary embolism and successful response to thrombolytic therapy. Vardan S, et al. **Am J Med Sci** 1982 Mar–Apr;283(2):99–105
Pulmonary embolism, pulmonary microcirculation, and thrombolytic therapy. Sasahara AA, et al. **Angiology** 1982 Jun;33(6):368–74
Antithrombotic therapy for cancer [letter] Zacharski LR. **Ann Intern Med** 1982 Feb;96(2):258
Clinical use of thrombolytic agents in venous thromboembolism. Sasahara AA, et al. **Arch Intern Med** 1982 Apr;142(4):684–8
Massive fatal pulmonary emboli with fibrinolytic therapy. Goldsmith JC, et al. **Circulation** 1981 Nov;64(5):1068–9
Thrombolytic therapy in thrombosis. **Consensus Dev Conf Summ Natl Inst Health** 1980;3:13–8
Advances in thrombolytic therapy. Rutkowski DM, et al. **Drug Intell Clin Pharm** 1982 Feb;16(2):115–21 (43 ref.)
Fibrinolytic guidelines in diabetes. Sharma GV, et al. **Geriatrics** 1982 Apr;37(4):38–42, 46
Increased release of vascular prostacyclin-like activity after long-term treatment of diabetic rats with Bay g 6575. Chamone DA, et al. **Haemostasis** 1981;10(6):297–303
Current status of antithrombotic agents in acute myocardial infarction. Khalilullah M, et al. **J Assoc Physicians India** 1981 May;29(5):351–7
Management of evolving myocardial infarction by intracoronary thrombolysis and subsequent aorta-coronary bypass. Krebber HJ, et al. **J Thorac Cardiovasc Surg** 1982 Feb;83(2):186–93
Thrombolytic therapy. Sharma GV, et al. **N Engl J Med** 1982 May 27;306(21):1268–76 (52 ref.)
Thrombolytic therapy. For pulmonary embolism and deep venous thrombosis. Fowler AA, et al. **Postgrad Med** 1982 Apr;71(4):149–54, 158
Evaluation of prostaglandin D2 (PGD2) as an anticoagulative agent for haemodialysis in comparison with prostaglandin E1 (PGE1). Nakagawa S, et al. **Proc Eur Dial Transplant Assoc** 1981;18:117–21
Control of tumor growth and metastasis with prostacyclin and thromboxane synthetase inhibitors: evidence for a new antitumor and antimetastatic agent (BAY g 6575). Honn KV, et al. **Prog Clin Biol Res** 1982;89:295–331
Low-dose intravascular fibrinolytic therapy. Totty WG, et al. **Radiology** 1982 Apr;143(1):59–69
Higher fibrin-binding and thrombolytic properties of single polypeptide chain--high molecular weight urokinase [letter] Sumi H, et al. **Thromb Haemost** 1982 Jun 28; 47(3):297
Turnover of human histidine-rich glycoprotein in healthy subjects and during thrombolytic therapy. Lijnen HR, et al. **Thromb Res** 1981 Jul 1–15;23(1–2):121–31
Studies on the antithrombotic action of Boc-D-Phe-Pro-Arg-H (Gyki 14,451) Tremoli E, et al. **Thromb Res** 1981 Sep 15;23(6):549–53
Percutaneous transluminal angioplasty and fibrinolytic therapy for renal allograft arterial stenosis and thrombosis. Zajko AB, et al. **Transplantation** 1982 Apr;33(4):447–50
[Antithrombotic effect of sodium ferulate in rats (author's transl)] Xu LN, et al. **Chung Kuo Yao Li Hsueh Pao** 1981 Mar;2(1):35–7 (Eng. Abstr.) (Chi)
[Early postoperative (10th day) thrombosis of a Starr mitral prosthesis. Successful fibrinolytic treatment] Bassand JP, et al. **Arch Mal Coeur** 1982 Mar;75(3):349–56 (Eng. Abstr.) (Fre)
[Actual state of thrombolytic treatment of recent vein thrombosis and pulmonary embolism (author's transl)] Verstraete M. **J Mal Vasc** 1981;6(4):251–6 (Eng. Abstr.) (Fre)
[Should one employ anticoagulants or platelet inhibitors in the long-term prophylaxis, with or without surgery, of arterial occlusive disease?] Breddin J, et al. **Med Welt** 1981 Sep 11;32(37):1343–4 (Ger)
[Therapeutic fibrinolysis and arterial occlusive disease] Lasch HG, et al. **Verh Dtsch Ges Inn Med** 1981;87:314–23 (Ger)
[Subclavian artery stenosis treated by oral fibrinolytics and percutaneous transluminal angioplasty] Horváth L, et al. **Orv Hetil** 1982 Apr 25;123(17):1051–3 (Hun)
[Fibrinolytic therapy of phlegmasia coerulea dolens] Kéki K, et al. **Orv Hetil** 1981 Jun 7;122(23):1377–9 (Hun)
[The antithrombophilic complex of the arterial wall in the treatment of the acute phase of myocardial infarct] Comi G, et al. **Clin Ter** 1981 Dec 31;99(6):581–613 (Eng. Abstr.) (Ita)
[Therapy and prevention of thromboembolic diseases: anticoagulants and fibrinolytics] Pelosio L, et al. **Clin Ter** 1982 Feb 28;100(4):417–25 (25 ref.) (Ita)
[Effects of a natural mucopolysaccharide-fibrinolytic complex on venous thrombosis and on the clearing factor] Pirani R, et al. **Clin Ter** 1982 Mar 31;100(6):575–96 (Eng. Abstr.) (Ita)
[Effect of the new Soviet thrombolytic preparation streptodecase on the fibrinolysis system] Chazov EI, et al. **Kardiologiia** 1981 Aug;21(8):18–21 (Eng. Abstr.) (Rus)
[Antithrombotic prophylaxis of the complications of arteriosclerosis obliterans] Heine H, et al. **Kardiologiia** 1981 Aug;21(8):76–80 (Eng. Abstr.) (Rus)
[Current problems of antithrombotic therapy] Liusov VA, et al. **Kardiologiia** 1981 Aug;21(8):5–17 (9 ref.) (Rus)
[Blood rheological effects in ischemic heart disease treated with antianginal and thrombolytic agents] Savenkov MP, et al. **Kardiologiia** 1981 Aug;21(8):63–9 (Eng. Abstr.) (Rus)
[Use of streptase in acute thromboses of the major veins] Il'in VN, et al. **Sov Med** 1981;(6):100–3 (Rus)
[Local fibrinolytic therapy with terrilytin in coagulated hemothorax and pleural empyema] Chepcheruk GS, et al. **Vestn Khir** 1981 Oct;127(10):13–7 (Eng. Abstr.) (Rus)
[Antithrombotic drug treatment of glomerulonephritis] Krasik IaD, et al. **Vrach Delo** 1981 Jul;(7):17–9 (Rus)
[Angiographic findings and selective intracoronary thrombolysis in the acute phase of myocardial infarction. Preliminary study and review of the literature] Espelta FJ, et al. **Rev Esp Cardiol** 1981;34(3):201–10 (109 ref.) (Eng. Abstr.) (Spa)
[Treatment of pulmonary embolism] Deck C. **Rev Med Chil** 1981 Oct;109(10):999–1003 (Eng. Abstr.) (Spa)
[Clinico-biological effectiveness of triflusal during the postoperative period of patients with chronic ischemic syndrome of the extremities] Arcas R, et al. **Rev Med Univ Navarra** 1981 Jun;25(2):51–5 (Eng. Abstr.) (Spa)

FIBRINOPEPTIDES A see under **FIBRINOGEN**

FIBRINOPEPTIDES B see under **FIBRINOGEN**

FIBROBLASTS

Recovery after freezing and thawing of cultured human diploid fibroblasts. Maack P, et al. **Cryobiology** 1982 Feb; 19(1):10–5
Maintenance of adult hamster pancreas cells on fibroblastic cells. Malick LE, et al. **In Vitro** 1981 Nov;17(11):947–55
An approach to the production of helminth antigens in vitro: the formation of hybrid cells between Fasciola hepatica and a rat fibroblast cell line. Howell MJ. **Int J Parasitol** 1981 Jun;11(3):235–42
The fusion of trout spermatozoa with Chinese hamster fibroblasts. Yip JH, et al. **J Cell Sci** 1982 Feb;53:307–21
Cultivation at low temperature as a measure to prevent contamination with fibroblasts in epithelial cultures from human skin. Jensen PK, et al. **J Invest Dermatol** 1981 Aug; 77(2):210–2
[Effect of bone marrow trypsinization on the efficiency of fibroblast colony formation in monolayer cultures] Latsinik NV, et al. **Biull Eksp Biol Med** 1981 Sep;92(9):356–8 (Eng. Abstr.) (Rus)
[Growth of myeloid plaques on layers of cultured stromal fibroblasts] Kuznetsov SA, et al. **Ontogenez** 1982 Mar–Apr; 13(2):143–51 (Eng. Abstr.) (Rus)

ANALYSIS

Isolation and characterization of dermatan sulphate and heparan sulphate proteoglycans from fibroblast culture. Carlstedt I, et al. **Biochem J** 1981 Jul 1;197(1):217–25

On the species and substrate specificity of conditioned medium enhancement of neuritic outgrowth from spinal cord explants. Dribin LB. **Brain Res** 1982 Feb;255(2):300–4

Clinical and immunological studies of human fibroblast interferon. Ezaki K, et al. **Cancer Chemother Pharmacol** 1982;8(1):47–55

Measurement of intracellular amino acids in cultured fibroblasts. Jonas AJ, et al. **Clin Chim Acta** 1982 Apr 23; 120(3):321–9

Vimentin, the 57 000 molecular weight protein of fibroblast filaments, is the major cytoskeletal component in immature glia. Dahl D, et al. **Eur J Cell Biol** 1981 Jun;24(2):191–6

Similarities between fibroblast-derived growth factor and platelet-derived growth factor. Dicker P, et al. **Exp Cell Res** 1981 Sep;135(1):221–7

Use of immobilized lactoperoxidase to label murine fibroblast proteins involved in adhesion to polystyrene. Lanks KW, et al. **J Cell Sci** 1982 Jun;55:137–46

Human cells contain two forms of pp60c-src. Shealy DJ, et al. **Nature** 1981 Oct 22;293(5834):666–9

Cystinotic fibroblasts are depleted of free-cystine by acid pH medium. Ritchie DG, et al. **Pediatr Res** 1981 Dec; 15(12):1492–4

[Intra- and extracellular cyclic AMP in VERO cells in response to the thermolabile enterotoxin of Escherichia coli] Martínez Moreno JL, et al. **Rev Clin Esp** 1981 Oct 31;163(2):95–8 (Eng. Abstr.) **(Spa)**

CYTOLOGY

In vitro responses of proliferating and non-proliferating cells to high doses of 17 beta-estradiol: cytochemical study. Gotzos V, et al. **Acta Histochem (Jena)** 1981;69(1):40–9

Inhibition of human lung fibroblast growth by mononuclear cells. Elias JA, et al. **Am Rev Respir Dis** 1982 Jun; 125(6):701–5

The cellular organization of fibroblastic cells and macrophages at regions of uncalcified cartilage resorption in the embryonic chick femur as revealed by alkaline and acid phosphatase histochemistry. Sorrell JM, et al. **Anat Rec** 1982 Apr;202(4):491–9

Maturation of human gingival keratinocytes cultured with fibroblasts from keratinizing and non-keratinizing epithelia. Taichman L, et al. **Arch Oral Biol** 1982;27(5):355–9

Production of interferon in human diploid cells at different population doubling levels. Komatsu H, et al. **Arch Virol** 1981;70(4):367–71

Acetoacetylated lipoproteins used to distinguish fibroblasts from macrophages in vitro by fluorescence microscopy. Pitas RE, et al. **Arteriosclerosis** 1981 May–Jun;1(3):177–85

Differentiation of human bone marrow-derived fibroblastoid colony forming cells (CFU-F) and their roles in haemopoiesis in vitro. Kaneko S, et al. **Br J Haematol** 1982 Jun;51(2):217–25

Hemin enhances the differentiation of mouse 3T3 cells to adipocytes. Chen JJ, et al. **Cell** 1981 Oct;26(1 Pt 1):117–22

Role of the alpha 2M-receptor in attachment and spreading of human fibroblasts. Cassiman JJ, et al. **Cell Biol Int Rep** 1981 Sep;5(9):901–11

Exit of human diploid cells from low serum quiescence. Duncan MR, et al. **Cell Biol Int Rep** 1982 Apr;6(4):369–77

Differential effects of retinoic acid on the growth of normal fibroblast-like cells in vitro from human, swine and rabbit skin. Harper RA, et al. **Cell Biol Int Rep** 1982 Feb; 6(2):163–70

The effect of stretching on formation of myofibroblasts in mouse skin. Squier CA. **Cell Tissue Res** 1981;220(2):325–35

Inflammatory fluid, plasma, and serum growth factor activity for early passage rabbit fibroblasts. The effect of leukopenia and thrombocytopenia in polyvinyl sponge implanted rabbits. Wiener SL, et al. **Connect Tissue Res** 1981; 9(1):33–50

Skin fibroblast cultures derived from members of the Baltimore longitudinal study: a new resource for studies of cellular aging. Schneider EL, et al. **Cytogenet Cell Genet** 1981;31(2):40–6

The effect of beryllium on the growth of human lung fibroblasts. Hart BA, et al. **Environ Res** 1982 Feb; 27(1):150–8

Ultrastructural organization of nucleoproteins during aging of cultured human embryonic fibroblasts. Puvion-Dutilleul F, et al. **Exp Cell Res** 1982 Apr;138(2):423–9

Multiplication of human diploid fibroblasts in a synthetic medium supplemented with EGF, insulin, and dexamethasone. Walthall BJ, et al. **Exp Cell Res** 1981 Aug; 134(2):303–11

Primary culture of human diploid cells and its long-term transfer in a serum-free medium. Yamane I, et al. **Exp Cell Res** 1981 Aug;134(2):470–4

Systematic growth studies, cocultivation, and cell hybridization studies of Werner syndrome cultured skin fibroblasts. Salk D, et al. **Hum Genet** 1981;58(3):310–6

Fibroblast cultures in experimental disturbed metabolic conditions. effects of anti-inflammatory drugs. Cals MJ, et al. **Int J Tissue React** 1981 Dec;3(3–4):113–9

Interaction of ionizing radiation and ascorbic acid on 3T3 mouse fibroblasts. Scott JA, et al. **Int J Vitam Nutr Res** 1981;51(2):155–60

Fibroblast cell population kinetics in the mouse molar periodontal ligament and tooth eruption. Perera KA, et al. **J Anat** 1981 Sep;133(Pt 2):281–300

Failure of hydrocortisone or growth factors to influence the senescence of fibroblasts in a new culture system for assessing replicative lifespan. Didinsky JB, et al. **J Cell Physiol** 1981 Oct;109(1):171–9

The relationship of serum fibronectin and cell shape to thrombin-induced inhibition of DNA synthesis in human fibroblasts. Hall WM, et al. **J Cell Physiol** 1981 Nov; 109(2):271–80

In vitro proliferation and lifespan of human diploid fibroblasts in serum-free BSA-containing medium. Kan M, et al. **J Cell Physiol** 1982 May;111(2):155–62

Interleukin 1, a potential regulator of fibroblast proliferation. Schmidt JA, et al. **J Immunol** 1982 May;128(5):2177–82

Junctions between fibroblasts in mouse periodontal ligament. Beersten W, et al. **J Periodont Res** 1980 Nov;15(6):655–68

Loss of repetitious DNA in proliferating somatic cells may be due to unequal recombination. Harley CB, et al. **J Theor Biol** 1982 Jan 7;94(1):1–12

Lethal effect of cis- but not trans-22-dehydrocholesterol on mouse fibroblast cells. Kircher HW, et al. **Lipids** 1981 Dec; 16(12):943–5

Regulation of proliferation of fibroblasts of low and high population doubling levels grown in collagen lattices. Sarber R, et al. **Mech Ageing Dev** 1981 Oct;17(2):107–17

The cytomegalic inclusion cell and disease. II. Social behaviour in vitro. Diosi P. **Morphol Embryol (Bucur)** 1982 Jan–Mar;28(1):51–3

Comparison of pulmonary endothelial cell and fibroblast proliferation using time-lapse cinematographic analysis. Absher M, et al. **Tissue Cell** 1981;13(4):645–50

[Production of human embryonal diploid fibroblast cell cultures using an explant technic] Oberender H, et al. **Z Med Lab Diagn** 1981;22(3):175 **(Ger)**

[Interaction of myeloid cells with stromal fibroblasts in monolayer cultures] Kuznetsov SA, et al. **Tsitologiia** 1981 Oct;23(10):1149–53 (Eng. Abstr.) **(Rus)**

DRUG EFFECTS

GM3 ganglioside induces hamster fibroblast growth inhibition in chemically-defined medium: ganglioside may regulate growth factor receptor function. Bremer EG, et al. **Biochem Biophys Res Commun** 1982 Jun 15;106(3):711–8

Rete testis fluid contains a growth factor for cultured fibroblasts. Brown KD, et al. **Biochem Biophys Res Commun** 1982 Mar 30;105(2):391–7

Effects of 12-O-tetradecanoyl phorbol-13-acetate and epidermal growth factor on the proliferation of human mutant fibroblasts in vitro. Gansler T, et al. **Cancer Lett** 1981 Sep;13(4):315–23

Effects of 12-O-tetradecanoylphorbol-13-acetate on fibroblasts from individuals genetically predisposed to cancer. Antecol MH, et al. **Cancer Res** 1982 Sep; 42(9):3870–9

Abnormal sensitivity of skin fibroblasts from familial polyposis patients to DNA alkylating agents. Barfknecht TR, et al. **Cancer Res** 1982 Apr;42(4):1249–54

Comparisons of the effects of chemical carcinogens in mixed cultures of rat hepatocytes and human fibroblasts. Strom S, et al. **Carcinogenesis** 1981;2(8):709–15

Effects of silica on human lung fibroblasts: survival data analysis of time-lapse cinematography data. Absher M, et al. **Environ Res** 1981 Dec;26(2):438–52

Release of enzymes from cultured fibroblasts induced by lysophosphatidylcholine. Kristensen SR, et al. **Enzyme** 1982;27(1):40–4

The glycosaminoglycans in trypsin-damaged fibroblast cultures. Kittlick PD, et al. **Exp Pathol** 1982;21(2):138–40

Interaction of ricin-sensitive and ricin-resistant cell lines with other carbohydrate-binding toxins. Sargiacomo M, et al. **FEBS Lett** 1982 May 3;141(1):14–8

Lymphotoxin cytotoxicity, a combination of cytolytic and cytostatic cellular responses. Evans CH, et al. **Immunopharmacology** 1981 Dec;3(4):347–59

Growth inhibition and morphologic modulation of human fibroblastlike cells by erythromycin. Martinez AO, et al. **In Vitro** 1981 Nov;17(11):979–84

Calcium-dependent shortening of fibroblasts induced by the ionophore, A23187. Goldfine SM, et al. **J Cell Sci** 1981 Aug;50:391–405

Effect of vinblastine and cytochalasin B on the cytoskeletal domains in 3T3 cells. Temmink JH, et al. **J Cell Sci** 1981 Apr;48:55–73

Combined action of chromium and nickel on mouse and hamster fibroblast cell lines. Rössner P, et al. **J Hyg Epidemiol Microbiol Immunol** 1981;25(3):252–8

Cellular effects of human leukocyte hydrolases. I. Human gingival fibroblasts. Cogen RB, et al. **J Oral Pathol** 1982 Aug;11(4):290–9

Effect of phenytoin on mitotic activity of gingival tissue and cultured fibroblasts. Al-Ubaidy SS, et al. **J Periodontol** 1981 Dec;52(12):747–9

Stimulation of fibrinolytic activity in human skin fibroblasts by prostaglandins E1, E2 and I2. Crutchley DJ, et al. **J Pharmacol Exp Ther** 1982 Sep;222(3):544–9

Basis for the differential action of aminonucleoside on normal and transformed human fibroblasts. Albanese EA, et al. **JNCI** 1982 Mar;68(3):407–13

Abnormal cell division in cultured human fibroblasts after exposure to diethylstilboestrol. Danford N, et al. **Mutat Res** 1982 Mar;103(3–6):379–83

Mutagenicity of thymidine in Chinese hamster cells? Fox M. **Mutat Res** 1982 Mar;103(3–6):357–8

The cytotoxic and mutagenic effects of 5-bromodeoxyuridine-plus-black-light treatment in cultured mammalian cells. Lynn LA, et al. **Mutat Res** 1982 May;94(1):179–87

The modifying effect of hexavalent chromate on the mutagenic activity of thio-TEPA. Paschin YV, et al. **Mutat Res** 1982 Mar;103(3–6):367–70

A comparison of the cytogenetic response to asbestos and glass fibre in Chinese hamster and human cell lines. Demonstration of growth inhibition in primary human fibroblasts. Sincock AM, et al. **Mutat Res** 1982 May; 101(3):257–68

Microsome-mediated cytotoxicity to CHO cells. Tan EL, et al. **Mutat Res** 1982 Mar;103(3–6):359–65

NH4Cl and protein metabolism in human gingival fibroblasts. Helgeland K. **Scand J Dent Res** 1981 Oct;89(5):400–6

Changes in cyclic nucleotide levels and phosphodiesterase and protein kinase activities in mitogenically stimulated 3T3 fibroblasts. Andersson RG, et al. **Virchows Arch [Cell Pathol]** 1981;37(3):245–50

Independent effects of phytohemagglutinin on cell fusion and attachment by newcastle disease virus. Polos PG, et al. **Virology** 1982 Jun;119(2):268–75

[Pathogenesis of arteriosclerosis. Thrombin, factor XIII and fibronectin as regulators of fibroblast proliferation, endothelial cells and smooth muscle cells] Bruhn HD, et al. **Med Welt** 1982 Mar 12;33(10):347–51 **(Ger)**

[Effect of various pharmacologic preparations on the viability of Chinese hamster fibroblasts in vitro] Beuverova EI, et al. **Biull Eksp Biol Med** 1981 Jun;91(6):739–40 (Eng. Abstr.) **(Rus)**

[Effect of pesticide on explanted cells] Vasilos AF, et al. **Gig Tr Prof Zabol** 1982 Jun;(6):21–4 (Eng. Abstr.) **(Rus)**

[Serotonin independently stimulates fibroblast adhesion and multiplication in culture] Gedevanishvili MD, et al. **Tsitologiia** 1982 Feb;24(2):224–6 (Eng. Abstr.) **(Rus)**

[A comparative study of the cytotoxic effect of methylnitrosourea on the cell cultures of normal and neoplastic origin (author's transl)] Ban J, et al. **Lijec Vjesn** 1980 Jul–Aug;102(7–8):375–9 (Eng. Abstr.) **(Scr)**

ENZYMOLOGY

Differential assay of arylsulfatase A and B activities: a sensitive method for cultured human cells. Chang PL, et al. **Anal Biochem** 1981 Nov 1;117(2):382–9

Assay of prolyl hydroxylase in cultured fibroblast monolayers. Trupin JS, et al. **Anal Biochem** 1982 Apr; 121(2):219–23

Cell-type differences in the serum and cyclic AMP-dependent regulation of ornithine decarboxylase activity in two cultured fibroblast types. Boucek RJ Jr, et al. **Biochem J** 1982 Apr 15;204(1):357–60

Procollagen type III N-terminal endopeptidase in fibroblast culture. Nusgens BV, et al. **Biochem J** 1980 Dec 1; 191(3):699–706

Turnover of beta-galactosidase in fibroblasts from patients with genetically different types of beta-galactosidase deficiency. Van Diggelen OP, et al. **Biochem J** 1981 Oct 15;200(1):143–51

Compartmental distribution of beta-hexosaminidase isoenzymes in I-cell fibroblasts. Vladutiu GD, et al. **Biochem J** 1981 Jun 15;196(3):657–62

A comparison of ornithine decarboxylases from normal and SV40-transformed 3T3 mouse fibroblasts. Weiss JM, et al. **Biochem J** 1981 Jan 15;194(1):229–39

Cellular localization of neuraminidases in cultured human fibroblasts. Zeigler M, et al. **Biochem J** 1981 Sep 15; 198(3):505–8

Characterization of activatable form of prolyl hydroxylase in L929 fibroblasts. Kuttan R. **Biochim Biophys Acta** 1981 Aug 13;660(2):243–50

Tricyclic antidepressants induce sphingomyelinase deficiency in fibroblast and neuroblastoma cell cultures. Albouz S, et al. **Biomedicine** 1981 Dec;35(7–8):218–20

Fluorimetric assay for prolinase and partial characterisation in cultured skin fibroblasts. Butterworth J, et al. **Clin Chim Acta** 1982 Jun 16;122(1):51–60

Diagnosis of Tay-Sachs disease using [3H]N-acetylneuraminic acid labelled GM2 ganglioside as substrate. Poulos A, et al. **Clin Chim Acta** 1982 Apr 23; 120(3):331–40

Collagenase in keloid biopsies and fibroblasts. McCoy BJ, et al. **Connect Tissue Res** 1982;9(3):181–5

Angiotensin-converting enzyme substrates hydrolyzed by fibroblasts and vascular endothelial cells. Rubin DB, et al. **Exp Lung Res** 1982 May;3(2):137–45

Lactate dehydrogenase isozyme patterns of normal human fibroblasts and their in vitro-transformed counterparts obtained by treatment with CO-60 gamma-rays, SV40 or 4-nitroquinoline 1-oxide. Nishitani K, et al. **Gan** 1981 Apr; 72(2):300–4

Acquisition of beta-glucuronidase activity by deficient fibroblasts during direct contact with lymphoid cells. Olsen I, et al. **J Cell Sci** 1982 Jun;55:211–31

Fibroblasts and immune complexes. 2. Increase in lysosomal enzymes in fibroblasts following incubation with in vitro-prepared immune complexes. Ueki H, et al.

J Dermatol (Tokyo) 1981 Jun;8(3):193–6
Catechol–O–methyltransferase activity in cultured human skin fibroblasts from controls and patients with dystonia musculorum deformans. Breakefield XO, et al. J Neurosci Res 1981;6(3):349–60
Evidence for production of an inactive collagenase by fibroblasts from phenytoin–enlarged human gingivae. Hassell TM. J Oral Pathol 1982 Aug;11(4):310–7
Properties of DNA polymerases from young and ageing human fibroblasts. Murray V. Mech Ageing Dev 1981; 16(4):327–43
Identification of a biochemical difference between male and female human fibroblasts: implications for the expression of Duchenne muscular dystrophy. Davis MH, et al. Neurology (NY) 1982 Sep;32(9):951–7
Angiotensin converting enzyme in cultured fibroblasts in Gaucher and Niemann–Pick diseases. Silverstein E, et al. Proc Soc Exp Biol Med 1982 Jun;170(2):251–3

IMMUNOLOGY

Production of first component of complement by corneal fibroblasts in tissue culture. Mondino BJ, et al. Arch Ophthalmol 1982 Mar;100(3):478–80
Release of soluble factors from lymph nodes containing mycobacterial granulomas and their effect on fibroblast function in vitro. Narayanan RB, et al. Cell Immunol 1981 Nov 15;65(1):93–102
Mouse fibroblasts transformed by Rous sarcoma virus express a virus–specific non–virion transplantation antigen. Prat M, et al. Int J Cancer 1981 Jun 15;27(6):797–805
Fibroblasts and immune complexes. I. Phagocytosis of in vitro–prepared insoluble immune complexes by cultured human fibroblasts. Nakaye M, et al. J Dermatol (Tokyo) 1981 Jun;8(3):187–91
Immunogenicity of guinea pig cells transformed in culture by chemical carcinogens. Ohanian SH, et al. JNCI 1981 Dec;67(6):1363–8

METABOLISM

Synthesis of collagen and sulfated glycosaminoglycans by normal and scleroderma fibroblasts in culture, with and without addition of cyclofenil. Kjellström T, et al. Acta Med Scand 1981;210(1–2):125–8
Glycosaminoglycan synthesis by human diabetic, normal adult, and embryonic fibroblasts in relation to insulin levels. Kjellström T. Acta Med Scand [Suppl] 1981;656:39–41
Bloom syndrome fibroblasts secrete a metabolite which enhances SCE rate in normal fibroblasts [letter] Barnabei VM, et al. Am J Med Genet 1982 Jun;12(2):245
Carnitine uptake and fatty acid utilization by diploid cells aging in culture. Carnicero HH, et al. Arch Biochem Biophys 1982 Apr 15;215(1):78–88
Production of interferon in human diploid cells at different population doubling levels. Komatsu H, et al. Arch Virol 1981;70(4):367–71
A secretory product of human monocyte–derived macrophages stimulates low density lipoprotein receptor activity in arterial smooth muscle cells and skin fibroblasts. Chait A, et al. Arteriosclerosis 1982 Mar–Apr;2(2):134–41
Evidence of a generalized metabolic defect in patients with hereditary chondrocalcinosis. Increased inorganic pyrophosphate in cultured fibroblasts and lymphoblasts. Lust G, et al. Arthritis Rheum 1981 Dec;24(12):1517–21
Stimulation of DNA synthesis in murine fibroblasts by the tumour promoter teleocidin: relationship to phorbol esters and vasopressin. Collins M, et al. Biochem Biophys Res Commun 1982 Feb 26;104(4):1159–66
Effect of L–propranolol on the binding, Internalization and degradation of 125I–low density lipoproteins by human skin fibroblasts. Ghiselli G, et al. Biochem Biophys Res Commun 1981 Dec 15;103(3):1060–8
Endogenous protein phosphorylation in adhesive plaques of substrate–attached fibroblasts. Hagmann W, et al. Biochem Biophys Res Commun 1982 Feb 26;104(4):1585–91
High–resolution protein mapping of human fibroblasts and hair root cells: a standardized reproducible procedure considering the effect of cell culture parameters. Singh S, et al. Biochem Genet 1981 Oct;19(9–10):871–80
Impaired degradation of keratan sulphate by Morquio A fibroblasts. Glössl J, et al. Biochem J 1982 Apr 1; 203(1):335–8
Intracellular ionic changes in normal and transformed human fibroblasts after extracellular Ca2+ deprivation. Hazelton BJ, et al. Biochem J 1981 Mar 15;194(3):707–11
Increased phosphorylation of ribosomal protein S6 in hamster fibroblasts transformed by polyoma virus and simian virus 40. Kennedy IM, et al. Biochem J 1981 Jul 15;198(1):235–7
Degradation by cultured fibroblasts and macrophages of unmodified and 1,2–cyclohexanedione–modified low–density lipoprotein from normal and homozygous familial hypercholesterolaemic subjects. Knight BL, et al. Biochem J 1982 Jan 15;202(1):145–52
Effects of inhibitors of spermidine and spermine synthesis on polyamine concentrations and growth of transformed mouse fibroblasts. Pegg AE, et al. Biochem J 1981 Jan 15;194(1):79–89
Modulation of collagen production by fibroblasts. Effects of chronic exposure to agonists that increase intracellular cyclic AMP. Saltzman LE, et al. Biochem J 1982 Apr 15; 204(1):25–30
Influence of hexose conditions on glutamine oxidation of SV–40–transformed and diploid fibroblast human cell lines. Kuchka M, et al. Biochem Med 1981 Dec;26(3):356–64
Uptake of 5'–deoxy–5'–S–isobutyl thioadenosine into chick embryo fibroblasts. Enoaf J, et al. Biochem Pharmacol 1981 Aug 1;30(15):2081–7
Characterization of deoxyribonucleic acid repair synthesis in permeable human fibroblasts. Dresler SL, et al. Biochemistry 1982 May 11;21(10):2557–64
Aggregation competence of proteoglycans from the substratum adhesion sites of murine fibroblasts. Garner JA, et al. Biochemistry 1981 Dec 22;20(26):7350–9
The effect of hydrocortisone on cholesterol metabolism of cultured human skin fibroblasts. Henze K, et al. Biochim Biophys Acta 1981 Nov 23;666(2):199–204
The purification of plasma membranes from WI–38 fibroblasts: effects of ageing on their composition. Raes M, et al. Biochim Biophys Acta 1981 Apr 6;642(2):313–24
Uptake of [3H]cholesterol from low density lipoprotein by cultured human fibroblasts. Shireman RB, et al. Biochim Biophys Acta 1982 May 13;711(2):281–9
Reverse cholesterol transport from fibroblasts to high density lipoproteins: computer solutions of a kinetic model. Verdery RB. Can J Biochem 1981 Aug;59(8):586–92
Metabolic activation of benzo(a)pyrene by transformable and nontransformable C3H mouse fibroblasts in culture. Gehly EB, et al. Cancer Res 1982 Jul;42(7):2697–2704
Bleomycin–induced increase of collagen turnover in IMR–90 fibroblasts: an in vitro model of connective tissue restructuring during lung fibrosis. Sterling KM Jr, et al. Cancer Res 1982 Sep;42(9):3502–6
DNA damage and its repair in human normal or xeroderma pigmentosum fibroblasts treated with 4–nitroquinoline 1–oxide or its 3–methyl derivative. Mirzayans R, et al. Carcinogenesis 1981;2(12):1359–62
Morphological and morphometrical differences between the binding sites of low– and high–density lipoproteins on the plasma membrane of cultured human fibroblasts. van der Schroeff JG, et al. Cell Biol Int Rep 1982 Apr;6(4):343–51
Glycosaminoglycan and surface glycoprotein syntheses by rat muscle fibroblast monolayers: response to solubilized bone matrix and effect of serum. Anastassiades TP, et al. Cell Differ 1982 Apr;11(2):81–90
Surface uptake by fibroblasts and its consequences. Bretscher MS. Cold Spring Harbor Symp Quant Biol 1982;46 (Pt 2):707–12
Increased ability of human embryonic fibroblasts to accumulate Ca2+ due to cytomegalovirus infection. Garnett HM. Cytobios 1981;31(122):107–16
Surface binding, internalization and degradation by cultured human fibroblasts of low density lipoproteins isolated from type 1 (insulin–dependent) diabetic patients: changes with metabolic control. Lopes–Virella MF, et al. Diabetologia 1982 Jun;22(6):430–6
Effects of tunicamycin on the cell–surface binding, internalization and degradation of low–density lipoproteins in human fibroblasts. Chatterjee S, et al. Eur J Biochem 1981 Dec;120(3):435–41
Collagen synthesis by fibroblasts in a patient with the Cockayne syndrome. Keren G, et al. Eur J Pediatr 1981 Nov;137(3):339–42
Reversible and irreversible inhibitors of clustering of alpha 2M in clathrin–coated pits on the surface of fibroblasts. Dickson RB, et al. Exp Cell Res 1982 Jul;140(1):215–25
Differences in the response of several cell types to inhibition of surface receptor mobility by local concanavalin A binding. Henis YI, et al. Exp Cell Res 1981 Nov; 136(1):189–201
Stimulation of collagen production in growth–arrested myocytes and fibroblasts in culture by growth factor(s) from platelets. Stavenow L, et al. Exp Cell Res 1981 Dec; 136(2):321–5
Growth control in cultured 3T3 fibroblasts. III. Binding interactions of a growth inhibitory activity with target cells. Voss PG, et al. Exp Cell Res 1982 Apr;138(2):397–407
Tissue factors influence fibroblast activity in neuromuscular diseases. Ulreich JB, et al. Exp Neurol 1982 Apr;76(1):150–5
Influence of different corpus luteum fractions on the DNA synthesis of cultivated fibroblasts, medial, and endothelial cells. Jakob W, et al. Exp Pathol 1981;19(2):130–5
The increase of glycosaminoglycan synthesis and accumulation on the cell surface of cultured skin fibroblasts in Werner's syndrome. Tajima T, et al. Exp Pathol 1981; 20(4):221–9
Glycosaminoglycan synthesis by embryonic fibroblasts is age–dependent and modulated by environmental factors. Evangelisti R, et al. Experientia 1982 May 15;38(5):616–8
Degradation of abnormal proteins in growing and in quiescent fibroblasts in culture. Hendil KB. FEBS Lett 1981 Jun 29;129(1):77–9
Antimitogenic effects of interferon and (2'–5')–oligoadenylate in synchronized 3T3 fibroblasts. Kimchi A, et al. FEBS Lett 1981 Nov 16;134(2):212–6
The effects of ginseng saponins on the growth and metabolism of human diploid fibroblasts. Shia GT, et al. Gerontology 1982;28(2):121–4
Reduced mitogenic action of insulin evaluated as 3H–thymidine uptake in diabetic cultured fibroblasts. Rotella CM, et al. Horm Metab Res 1981 Oct;13(10):565–9
Diagnosis of Hunter's syndrome carriers; radioactive sulphate incorporation into fibroblasts in the presence or fructose 1–phosphate. Tønnesen T, et al. Hum Genet 1982; 60(2):167–71
Arginine depletion in macrophage medium inhibits collagen synthesis by fibroblasts. Jalkanen M, et al. Immunol Lett 1982 May;4(5):259–61
Connective tissue activation in guinea pig lung fibroblast cultures: regulatory effects of glucocorticoids. Seidman JC, et al. In Vitro 1981 Feb;17(2):133–8
Relationship between fibrin clot retraction and tumorigenesis in C3H/10T1/2 cells. Azzarone B, et al. Int J Cancer 1981 Dec;28(6):799–803
A genetic approach to the role of energy metabolism in the growth of tumor cells: tumorigenicity of fibroblast mutants deficient either in glycolysis or in respiration. Franchi A, et al. Int J Cancer 1981 Jun 15;27(6):819–27
Translational specificity in reovirus–infected mouse fibroblasts. Detjen BM, et al. J Biol Chem 1982 Aug 25; 257(16):9855–60
Low density lipoprotein receptor binding in aging human diploid fibroblasts in culture. Lee HC, et al. J Biol Chem 1982 Aug 10;257(15):8912–8
Transcription of the chicken alpha 2 (Type I) collagen gene by homologous cell–free extracts. Merlino GT, et al. J Biol Chem 1982 Jun 25;257(12):7254–61
Metabolism of benzo(a)pyrene by human epithelial and fibroblastic cells: metabolite patterns and DNA adduct formation. Bartley J, et al. J Cell Biochem 1982; 18(2):135–48
Degradation of proteins microinjected into IMR–90 human diploid fibroblasts. Neff NT, et al. J Cell Biol 1981 Oct; 91(1):184–94
Folate polyglutamate and monoglutamate accumulation in normal and SV40–transformed human fibroblasts. Hoffman RM, et al. J Cell Physiol 1981 Dec;109(3):497–505
Pulmonary macrophages alter the collagen phenotype of lung fibroblasts. Kelley J, et al. J Cell Physiol 1981 Nov; 109(2):353–61
Modification of fibroblast surface amines alters receptor–mediated cell spreading on protein–coated substrata but not adsorptive endocytosis. Aplin JD, et al. J Cell Sci 1981 Jun;49:283–97
Glucose enhancement of insulin action: elevated glucose levels increase insulin stimulation of 2–deoxyglucose uptake in cultured human fibroblasts. Ishibashi F, et al. J Clin Endocrinol Metab 1982 Jan;54(1):34–9
Characterization of the somatomedin–C/insulin–like growth factor I (SM–C/IGF–I) receptor on cultured human fibroblast monolayers: regulation of receptor concentrations by SM–C/IGF–I and insulin. Rosenfeld RG, et al. J Clin Endocrinol Metab 1982 Sep;55(3):434–40
Ultrastructural immunocytochemical localization of myosin in cultured fibroblastic cells. Willingham MC, et al. J Histochem Cytochem 1981 Nov;29(11):1289–301
How does a skin fibroblast make type I collagen fibers? Prockop DJ. J Invest Dermatol 1982 Jul;79 Suppl 1:3s–6s
Mononuclear cell modulation of fibroblast procoagulant activity. Korn JH, et al. J Lab Clin Med 1982 May; 99(5):657–68
Influence of cell cycle on collagen synthesis by human gingival fibroblasts. Ko SD, et al. J Periodont Res 1981 May;16(3):302–8
Collagen degradation by human gingival fibroblasts. I. In vivo phagocytosis. Yamasaki A, et al. J Periodont Res 1981 May;16(3):309–22
GLC/MS identification of new pregnenolone metabolites in confluent embryonic rat fibroblast cultures. Damon M, et al. J Steroid Biochem 1982 Jun;16(6):771–8
Replication of simian virus 40 DNA in normal human fibroblasts and in fibroblasts from xeroderma pigmentosum. Ozer HL, et al. J Virol 1981 Aug;39(2):481–9
Methionine regulation of N–5–methyltetrahydrofolate: homocysteine methyltransferase and its influence on the growth and protein synthesis in normal, neoplastic, and transformed cells in culture. Tautt JW, et al. JNCI 1982 Jul;69(1):9–14
Phospholipid synthesis in human embryo fibroblasts infected with herpes simplex virus type 2. Daniel LW, et al. Lipids 1981 Sep;16(9):655–62
Hydrocortisone effects on nucleic acid and nuclear protein content and protein metabolism in aging WI–38 cells. Docherty PA, et al. Mech Ageing Dev 1981 Nov; 17(3):211–23
Unscheduled DNA synthesis in cells of different shape in fibroblast cultures from donors of various ages. Hennis HL 3d, et al. Mech Ageing Dev 1981;16(4):355–61
Reactivation of DNA synthesis in aging diploid human skin fibroblasts by fusion with mouse L karyoplasts cytoplasts and whole L cells. Nette EG, et al. Mech Ageing Dev 1982 Jan;18(1):75–87
In vitro life span and 'unscheduled DNA synthesis' in subconfluent cultures and clones of trisomic and normal diploid fibroblasts. Rebhorn H, et al. Mech Ageing Dev 1982 Mar;18(3):201–8
Prostaglandin production and cellular aging. Taylor L, et al. Mech Ageing Dev 1981;16(4):311–7
Loss of organized fibronectin matrix from the surface of aging diploid fibroblasts (IMR–90). Vogel KG, et al. Mech Ageing Dev 1981;16(4):295–302
Effect of LDL from smokers and non–smokers on cell mass, proliferation, and collagen secretion by rabbit smooth muscle cells and human skin fibroblasts in culture. Stavenow L, et al. Med Biol 1982 Jun;60(3):144–8
Induction and cross–species activity of rat fibroblast–derived interferon. Abreu SL, et al. Microbios 1981;

30(121-122):181-90

Cystic fibrosis fibroblasts respond normally to isoproterenol. Kurz JB, et al. **Pediatr Res** 1981 Oct;15(10):1328-33

Cystinotic and normal fibroblasts: differential protection in cystine-free medium by dithiothreitol. Lancaster GA, et al. **Pediatr Res** 1982 Jan;16(1):86-8

Secretory proteins induced in human fibroblasts under conditions used for the production of interferon beta. Content J, et al. **Proc Natl Acad Sci USA** 1982 May; 79(9):2768-72

31P NMR studies of intact anchorage-dependent mouse embryo fibroblasts. Ugurbil K, et al. **Proc Natl Acad Sci USA** 1981 Aug;78(8):4843-7

Effect of temperature on the production of human fibroblast interferon. Giard DJ, et al. **Proc Soc Exp Biol Med** 1982 Jun;170(2):155-9

Increased pyrophosphate in fibroblasts and lymphoblasts from patients with hereditary diffuse articular chondrocalcinosis. Lust G, et al. **Science** 1981 Nov 13; 214(4522):809-10

Different mechanisms for alpha and beta interferon induction. Lebon P, et al. **Virology** 1982 Jun;119(2):504-7

[Interferons produced by the cells of newborn mice in the presence of sera from newborn and adult animals] Malinovskaia VV, et al. **Biull Eksp Biol Med** 1981 Oct; 91(10):460-2 (Eng. Abstr.) **(Rus)**

[Electron-autoradiographic study of the intensity of biosynthetic processes in fibroblasts during experimental wound healing] Kolokol'chikova EG. **Vestn Akad Med Nauk SSSR** 1981;(5):75-8 (Eng. Abstr.) **(Rus)**

MICROBIOLOGY

Plaque formation by avian infectious bronchitis virus in primary chick embryo fibroblast cells in the presence of trypsin. Otsuki K, et al. **Arch Virol** 1981;70(4):315-20

Human cell transformation by simian virus 40. Biologic features of cloned lines. Sack GH Jr, et al. **Exp Cell Res** 1981 Aug;134(2):425-32

Factors affecting the rate as which a trachoma strain of Chlamydia trachomatis establishes persistent infections in mouse fibroblasts (McCoy cells). Lee CK. **Infect Immun** 1981 Sep;33(3):954-7

Natural cytotoxicity of murine cytomegalovirus-infected cells mediated by mouse lymphoid cells: role of interferon in the endogenous natural cytotoxicity reaction. Lee GD, et al. **Infect Immun** 1982 Jan;35(1):5-12

Slow virus replication: the role of macrophages in the persistence and expression of visna viruses of sheep and goats. Narayan O, et al. **J Gen Virol** 1982 Apr;59(Pt 2):345-56

The virus susceptibility of skin-derived fibroblasts from families with insulin-dependent diabetes mellitus. Hornberger E, et al. **J Med Virol** 1982;9(4):281-92

Attachment of Mycoplasma hominis and M. orale to human diploid lung fibroblasts. Kihara K, et al. **Microbiol Immunol** 1981;25(8):745-9

PATHOLOGY

Characteristics of skin and tumor fibroblasts from neurofibromatosis patients. Riccardi VM, et al. **Adv Neurol** 1981;29:191-8

Neurofibromatosis fibroblasts: abnormal growth and binding to epidermal growth factor. Zelkowitz M. **Adv Neurol** 1981; 29:173-89

Duchenne muscular dystrophy cultured skin fibroblasts stain normally with concanavalin-A. Newman GC. **J Neurol Sci** 1982 Jun;54(3):353-8

Myotonic muscular dystrophy: morphology, histochemistry, and growth characteristics of cultured skin fibroblasts. Hartwig GB, et al. **Muscle Nerve** 1982 Feb;5(2):125-30

Abnormal growth kinetics and 5'-nucleotidase activities in cultured skin fibroblasts from patients with Duchenne muscular dystrophy. [letter] Liechti-Gallati S, et al. **Pediatr Res** 1982 Jul;16(7):588

Premature aging of fibroblasts from patients with Duchenne muscular dystrophy. [letter] Wertz RL, et al. **Pediatr Res** 1982 Jul;16(7):589-90

Replication and phenotypic expression of control and scleroderma human fibroblasts: responses to growth factors. LeRoy EC, et al. **Proc Natl Acad Sci USA** 1982 Feb;79(4):1286-90

Effects of high hydrostatic pressure on normal and neoplastic rat cells in culture. Dibb W, et al. **Virchows Arch [Cell Pathol]** 1981;38(2):169-76

[Studies on the characteristic changes in human fibroblasts induced by the proliferation of gastric cancer cells in vitro (author's transl)] Tsuji K. **Nippon Shokakibyo Gakkai Zasshi** 1982 Apr;79(4):931-9 (Eng. Abstr.) **(Jpn)**

PHYSIOLOGY

Changes in nuclear shape and mitochondrial structure do not accompany the loss of division potential in human fibroblasts in vitro. Pool TB, et al. **Am J Anat** 1981 Dec; 162(4):369-82

Histiocytes, fibrocytes, and facultative transformations. Reed R. **Am J Dermatopathol** 1982 Jun;4(3):253-62

Human synovial fibroblast plasminogen activator. Modulation of enzyme activity by antiinflammatory steroids. Hamilton JH, et al. **Arthritis Rheum** 1981 Oct; 24(10):1296-303

High intralysosomal levels of lipoprotein cholesterol influence the endocytic activity and acid hydrolase content of CH-23 fibroblasts. Warhurst G, et al. **Biochim Biophys Acta** 1982 Feb 2;714(2):366-72

Fibrin clot retractile (FCR) activity of fibroblast-like cells from normal individuals and cancer patients. Curatolo L, et al. **Cell Biol Int Rep** 1982 Jun;6(6):609-18

Analysis of coated pit recycling on human fibroblasts. Goldstein B, et al. **Cell Biophys** 1981 Sep;3(3):251-77

A re-evaluation of the changes in proliferation in human fibroblasts during ageing in vitro. Macieira-Coelho A, et al. **Cell Tissue Kinet** 1982 Mar;15(2):213-24

Scanning electron microscopic observation on cells grown in vitro. VI. aggregate formation in confrontation cultures of human diploid and tumor cells. Gerstberger R, et al. **Eur J Cell Biol** 1981 Dec;26(1):136-43

Membrane surface properties of normal and malignant cells: partition in aqueous two-polymer phase systems. Sherbet GV, et al. **Exp Cell Biol** 1981;49(5):267-71

Spreading chick heart fibroblasts. A correlated study using phase contrast microscopy, RIM, TEM and SEM. Heaysman JE, et al. **Exp Cell Res** 1982 Jul;140(1):85-93

Autophagy of metabolically inert substances injected into fibroblasts in culture. Hendil KB. **Exp Cell Res** 1981 Sep; 135(1):157-66

Colony-forming ability of ataxia-telangiectasia skin fibroblasts is an indicator of their early senescence and increased demand for growth factors. Shiloh Y, et al. **Exp Cell Res** 1982 Jul;140(1):191-9

Novel vesicular extrusions during cell spreading. Rajaraman R, et al. **Experientia** 1982 May 15;38(5):556-7

3T3 fibroblasts are stimulated by 12-O-tetradecanoyl-phorbol-13-acetate to produce thymocyte-activating factors. Okai Y, et al. **FEBS Lett** 1982 Jun 1;142(1):93-5

Platelet-derived growth factor in chemotactic for fibroblasts. Seppä H, et al. **J Cell Biol** 1982 Feb;92(2):584-8

Growth control in cultured 3T3 fibroblasts II. Molecular properties of a fraction enriched in growth inhibitory activity. Steck PA, et al. **J Cell Biol** 1982 Feb;92(2):523-30

Stromal cell associated haemopoiesis. Dexter TM. **J Cell Physiol** 1982;Suppl 1:87-94 (61 ref.)

Surface changes during retraction-induced spreading of fibroblasts. Chen WT. **J Cell Sci** 1981 Jun;49:1-13

Specific rosette formation between fibroblasts and erythrocytes. Rosen SD, et al. **J Cell Sci** 1981 Oct; 51:279-94

Chemotactic responses of fibroblasts to tropoelastin and elastin-derived peptides. Senior RM, et al. **J Clin Invest** 1982 Sep;70(3):614-8

High yield culture of human fibroblasts on microcarriers: a first step in production of fibroblast-derived interferon (human beta interferon). Clark JM, et al. **J Interferon Res** 1981;1(3):391-400

Enhancement of cell attachment of a substrate coated with oral bacterial endotoxin by plasma fibronectin. Porvaznik M, et al. **J Periodont Res** 1982 Mar;17(2):154-68

Bone induction in vitro. I. Human gingival fibroblast cell lines versus tooth matrix. Rose GG, et al. **J Periodont Res** 1981 May;16(3):344-57

Phagocytosis and digestion of collagen by gingival fibroblasts in vivo: a study of serial sections. Melcher AH, et al. **J Ultrastruct Res** 1981 Oct;77(1):1-36

The spatial and temporal quantification of myofibroblasts. McGrath MH, et al. **Plast Reconstr Surg** 1982 Jun; 69(6):975-85

Hypersensitivity to N-methyl-N'-nitro-N-nitrosoguanidine in fibroblasts from patients with Huntington disease, familial dysautonomia, and other primary neuronal degenerations. Scudiero DA, et al. **Proc Natl Acad Sci USA** 1981 Oct;78(10):6451-5

Cellular aging: further evidence for the commitment theory. Holliday R, et al. **Science** 1981 Sep 25;213(4515):1505-8

Journey to the center of the cell: role of the receptosome. Pastan IH, et al. **Science** 1981 Oct 30;214(4520):504-9

Replicative potential of individual cell hybrids derived from young and old donor human skin fibroblasts. Muggleton-Harris AL, et al. **Somatic Cell Genet** 1982 Jan; 8(1):41-50

Growth regulation of vessel wall cells and of tumor cells by thrombin, factor XIII and fibronectin [letter] Bruhn HD. **Thromb Haemost** 1981 Dec 23;46(4):762

[Fibroblastic rheumatism. A case with study of synovial histology] Crouzet J, et al. **Rev Rhum Mal Osteoartic** 1982 May;49(6):469-72 **(Fre)**

RADIATION EFFECTS

The effects of gamma irradiation of human fibroblasts on human/Chinese hamster somatic cell hybrids. Donald LJ, et al. **Can J Genet Cytol** 1981;23(3):505-11

Perinuclear halo formation as an indication of phototoxic effects. Emerit I, et al. **Dermatologica** 1981;163(4):295-9

Ultraviolet hypersensitivity of Cockayne's syndrome fibroblasts. Effects of nicotinamide adenine dinucleotide and poly(ADP-ribose) synthesis. Fujiwara Y, et al. **Exp Cell Res** 1982 May;139(1):207-15

Differentiated cells from BALB/c mice differ in their radiosensitivity. Rahmsdorf HJ, et al. **Exp Cell Res** 1981 Nov;136(1):111-7

Further studies on the survival of non-proliferating human diploid fibroblasts irradiated with ultraviolet light. Chan GL, et al. **Int J Radiat Biol** 1982 Apr;41(4):359-68

Mechanisms of inhibition of DNA replication by ultraviolet light in normal human and xeroderma pigmentosum fibroblasts. Kaufmann WK, et al. **J Mol Biol** 1981 Jun 25; 149(2):171-87

Effect of low dose rate ionizing radiation on the division potential of cells in vitro. VIII. Cytogenetic analysis of human fibroblasts. Bourgeois CA, et al. **Mech Ageing Dev** 1981 Nov;17(3):225-35

Senescence in vitro and ionising radiations--the human diploid fibroblast model. Stevenson AF, et al. **Mech Ageing Dev** 1981 Jan;15(1):51-63

Enhanced radiosensitivity and defective DNA repair in cultured fibroblasts derived from Rothmund Thomson syndrome patients. Smith PJ, et al. **Mutat Res** 1982 May; 94(1):213-28

X-ray inhibition of DNA synthesis at discrete times during S phase in synchronous human diploid fibroblasts. Kapp LN, et al. **Radiat Res** 1982 Feb;89(2):424-7

Characterization of rapid recovery from gamma-ray damage in plateau-phase human diploid fibroblasts. Malcolm AW, et al. **Radiat Res** 1982 Feb;89(2):274-82

[Dose dependence of reproductive lethal cell damage after X-ray irradiation or exposition to adriamycin at low doses (author's transl)] Hagemann GK, et al. **Strahlentherapie** 1982 Jan;158(1):55-60 (Eng. Abstr.) **(Ger)**

TRANSPLANTATION

The role of cellular proliferation in an experimental model of massive periretinal proliferation. Fastenberg DM, et al. **Am J Ophthalmol** 1982 May;93(5):565-72

Effectiveness of HLA-compatible fibroblasts for enzyme replacement therapy in the mucopolysaccharidoses [letter] Dean MF, et al. **Pediatr Res** 1982 Mar;16(3):260-1

Enzyme replacement therapy by transplantation of HLA-compatible fibroblasts in Sanfilippo syndrome: another trial [letter] Munnich A, et al. **Pediatr Res** 1982 Mar;16(3):259-60

ULTRASTRUCTURE

Rapid acidification of endocytic vesicles containing alpha 2-macroglobulin. Tycko B, et al. **Cell** 1982 Mar; 28(3):643-51

Arcs: curved microfilament bundles beneath the dorsal surface of the leading lamellae of moving chick embryo fibroblasts. Heath JP. **Cell Biol Int Rep** 1981 Oct; 5(10):975-80

Distribution of fibronectin-containing structures on the surface of lamelloplasm and endoplasm of fibroblasts ; hypothesis of receptor-mediated assembly of fibronectin structures. Lyubimov AV, et al. **Cell Biol Int Rep** 1982 Feb;6(2):105-12

Microinjection of anticlathrin antibodies into cultured fibroblasts: clathrin-coated structures in receptor-mediated endocytosis and in exocytosis. Wehland J, et al. **Cold Spring Harbor Symp Quant Biol** 1982;46 (Pt 2):743-53

Organelle-cytoskeleton relationships in fibroblasts: mitochondria, Golgi apparatus, and endoplasmic reticulum in phases of movement and growth. Couchman JR, et al. **Eur J Cell Biol** 1982 Apr;27(1):47-54

Juxtapositional regions of human breast epithelium and fibroblasts in vitro. Fentiman I, et al. **Exp Cell Res** 1982 May;139(1):95-100

The origin and fate of large dense bodies in beige mouse fibroblasts. Lysosomal fusion and exocytosis. Willingham MC, et al. **Exp Cell Res** 1981 Nov;136(1):157-68

Perivascular myofibroblasts and microvascular occlusion in hypertrophic scars and keloids. Kischer CW, et al. **Hum Pathol** 1982 Sep;13(9):819-24

Reversible ultrastructural changes in human fibroblasts grown in hepes buffered MCDB-104 supplemented with human serum. Verdery RB, et al. **In Vitro** 1981 Nov; 17(11):956-64

The 'spindle-shaped' body in fibroblasts: intracellular collagen fibrils. Fernandez-Madrid F, et al. **J Anat** 1981 Mar;132(Pt 2):157-66

Intercellular contacts between fibroblasts in the periodontal connective tissues of the rat. Shore RC, et al. **J Anat** 1981 Aug;133(Pt 1):67-76

Status of mitochondria in living human fibroblasts during growth and senescence in vitro: use of the laser dye rhodamine 123. Goldstein S, et al. **J Cell Biol** 1981 Nov; 91(2 Pt 1):392-8

Expression and distribution of vimentin and keratin filaments in heterokaryons of human fibroblasts and amnion epithelial cells. Laurila P, et al. **J Cell Biol** 1982 Aug;94(2):308-15

Association of fibronectin and vinculin with focal contacts and stress fibers in stationary hamster fibroblasts. Singer II. **J Cell Biol** 1982 Feb;92(2):398-408

Fibroblast adhesion on collagen substrata in the presence and absence of plasma fibronectin. Grinnell F, et al. **J Cell Sci** 1981 Apr;48:19-34

The relationship of fibroblast translocations to cell morphology and stress fibre density. Lewis L, et al. **J Cell Sci** 1982 Feb;53:21-36

Whole mount observation of cultured cells by 200 kV ultrahigh resolution TEM. Hosoi J, et al. **J Electron Microsc (Tokyo)** 1981;30(1):57-62

Receptor-mediated endocytosis in cultured fibroblasts: cryptic coated pits and the formation of receptosomes. Willingham MC, et al. **J Histochem Cytochem** 1981 Sep;

29(9):1003–13
Ultrastructure and immunocytochemistry of rat Schwann cells and fibroblasts in vitro. Fields KL, et al. **J Neuroimmunol** 1982 Apr;2(2):155–66
Cellular effects of human leukocyte hydrolases. II. Ultrastructural studies on fibroblasts. Cogen RB, et al. **J Oral Pathol** 1982 Aug;11(4):300–9
Attachment of periodontal ligament fibroblasts to the extracellular matrix in the squirrel monkey. Garant PR, et al. **J Periodont Res** 1982 Jan;17(1):70–9
Ultrastructural studies on cultured fibroblasts from patients with cystic fibrosis. Roomans GM, et al. **J Submicrosc Cytol** 1981 Jul;13(3):445–54
Fibroblasts contracting three-dimensional collagen gels exhibit ultrastructure consistent with either contraction or protein secretion. Bellows CG, et al. **J Ultrastruct Res** 1982 Feb;78(2):178–92
Giant axonal neuropathy: an inborn error of organization of intermediate filaments. Pena SD. **Muscle Nerve** 1982 Feb;5(2):166–72
Giant axonal neuropathy: intermediate filament aggregates in cultured skin fibroblasts. Pena SD. **Neurology (NY)** 1981 Nov;31(11):1470–3
Structure of fibroblastic intermediate filaments: analysis of scanning transmission electron microscopy. Steven AC, et al. **Proc Natl Acad Sci USA** 1982 May;79(10):3101–5
Measurement of partial specific thickness (net thickness) of critical-point-dried cultured fibroblast by energy analysis. Hosoi J, et al. **Ultramicroscopy** 1981;7(2):147–54
Electron microscopic observations on cultured fibroblasts from Fabry heterozygotes and hemizygotes. Wandall A, et al. **Ultrastruct Pathol** 1982 Jan-Mar;3(1):51–8
[Myofibroblasts in a myocardial infarct zone] Kondalenko VF, et al. **Biull Eksp Biol Med** 1981 Dec;92(12):740–3 (Eng. Abstr.) **(Rus)**
[Changes in the morphology and cytoskeleton of cultured fibroblasts as a result of raised osmotic pressure] Liass LA, et al. **Biull Eksp Biol Med** 1981 Aug;92(8):93–6 (Eng. Abstr.) **(Rus)**
[Repair of DNA injuries induced by thiophosphamide in embryonal fibroblasts of 101/H and CBA mice] S'iakste TG. **Biull Eksp Biol Med** 1982 Jan;93(1):68–70 (Eng. Abstr.) **(Rus)**
[Fibroblast ultrastructural cytopathology in a streptococcal infection] Korinteli VI, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1982 Mar;(3):30–2 (Eng. Abstr.) **(Rus)**

FIBROCYSTIC DISEASE OF BREAST see under **BREAST DISEASES**

FIBROCYSTIC DISEASE OF PANCREAS see **CYSTIC FIBROSIS**

FIBRODYSPLASIA OSSIFICANS PROGRESSIVA see **MYOSITIS OSSIFICANS**

FIBROIN

Twisted single crystals of Bombyx mori silk fibroin and related model polypeptides with beta structure. A correlation with the twist of the beta sheets in globular proteins. Lotz B, et al. **J Mol Biol** 1982 Apr 5;156(2):345–57

BIOSYNTHESIS

Effect of tRNA pool balance on rate and uniformity of elongation during translation of fibroin mRNA in a reticulocyte cell-free system. Chavancy G, et al. **Biochimie** 1981 Jul;63(7):611–8

GENETICS

Faithful transcription initiation of fibroin gene in a homologous cell-free system reveals an enhancing effect of 5' flanking sequence far upstream. Tsuda M, et al. **Cell** 1981 Nov;27(1 Pt 2):175–82
Promoter sequence of fibroin gene assigned by in vitro transcription system. Tsujimoto Y, et al. **Proc Natl Acad Sci USA** 1981 Aug;78(8):4838–42
Studies on fibroin gene transcription by in vitro genetics. Suzuki Y. **Prog Clin Biol Res** 1982;85 Pt A:305–25 (43 ref.)

METABOLISM

Intracellular transport and secretion of fibroin in the posterior silk gland of the silkworm Bombyx mori. Sasaki S, et al. **J Cell Sci** 1981 Aug;50:19–44

FIBROMA

see related
TUBEROUS SCLEROSIS

ANALYSIS

The estrogenic receptor in desmoid tumors. Preliminary report. Rivadeneyra J, et al. **Arch Invest Med (Mex)** 1982; 13(2):105–8 passim **(Eng, Spa)**

COMPLICATIONS

Fibroma in Meckel's diverticulum: a case associated with axial and ileal volvulus. Almagro UA, et al. **Am J Gastroenterol** 1982 Jul;77(7):477–80
Fibroosseous tumors of the facial skeleton in association with primary hyperparathyroidism: an endocrine syndrome or coincidence? Rosen IB, et al. **Am J Surg** 1981 Oct; 142(4):494–8
Klippel–Feil syndrome with epidural fibroblastoma in the area of vertebral fusion. Vaquero J, et al. **Arch Neurol** 1982 May;39(5):318–9
Hypophosphatemic rickets in an adolescent cured by excision of a nonossifying fibroma. Asnes RS, et al. **Clin Pediatr (Phila)** 1981 Oct;20(10):646–8
Trigger wrist due to anomalous flexor digitorum profundus muscle in association with fibroma of tendon sheath. Kernohan JG, et al. **Hand** 1982 Feb;14(1):59–60
Ureteral intussusception caused by fibrous ureteral polyp. Vogelzang RL, et al. **Urol Radiol** 1981;3(1):47–9
[Gingival fibromatosis associated with bilateral palatal fibromas] Soubry R, et al. **Acta Stomatol Belg** 1982; 79(1):55–63 **(Dut)**
[Hematuria caused by fibrous polyps of the ureter in childhood] Garcia Alonso J, et al. **Actas Urol Esp** 1981 Nov–Dec;5(6):381–4 (Eng. Abstr.) **(Spa)**

CONGENITAL

Solitary lesion of congenital fibromatosis. A rare cause of neonatal intestinal obstruction. Walts AE, et al. **Am J Surg Pathol** 1982 Apr;6(3):255–60
Infantile myofibromatosis. Chung EB, et al. **Cancer** 1981 Oct 15;48(8):1807–18
Neonatal laryngeal fibromatosis. Close LG, et al. **Otolaryngol Head Neck Surg** 1981 Nov–Dec;89(6):992–7
[Generalized congenital fibromatosis] Amédée-Manesme O, et al. **Arch Fr Pediatr** 1981 Nov;38(9):701–3 **(Fre)**
[Congenital fibromatosis. Anatomical and clinical study on three observations (author's transl)] Houcke M, et al. **Sem Hop Paris** 1982 Jan 21;58(3):171–6 (Eng. Abstr.) **(Fre)**
[Localized congenital fibromatosis: a contribution to the differential diagnosis of malignant tumors in childhood] Reich RH. **Dtsch Zahnarztl Z** 1981 Nov;36(11):729–31 (Eng. Abstr.) **(Ger)**
[Congenital solitary fibromatosis of the eyelid (author's transl)] Witschel H. **Ophthalmologica** 1982;185(1):1–6 (Eng. Abstr.) **(Ger)**
[Congenital generalised fibromatosis in a newborn child (author's transl)] Schilt M, et al. **Z Kinderchir** 1982 Mar; 35(3):121–2 **(Ger)**
[Congenital nodular fibromatosis associated with skeletal malformations] Bordas X, et al. **Med Cutan Iber Lat Am** 1981;9(6):403–8 (Eng. Abstr.) **(Spa)**

DIAGNOSIS

Primary benign intramural ventricular tumors in children: pre- and postoperative electrocardiographic, echocardiographic, and angiocardiographic evaluation. Biancaniello TM, et al. **Am Heart J** 1982 May;103(5):852–7
Two-dimensional echocardiographic detection and diagnostic features of left ventricular papillary fibroelastoma. Ong LS, et al. **Am Heart J** 1982 May; 103(5):917–8
Intra-abdominal mesenteric desmoid tumors. Sampliner JE, et al. **Am Surg** 1982 Jul;48(7):316–9
Acquired digital fibroma of the lip [letter] Kikuchi I, et al. **Arch Dermatol** 1981 Nov;117(11):684
Pseudo-tumours, a clinical concept. Peeters HJ, et al. **Doc Ophthalmol** 1982 Jan 29;52(3–4):387–91
Pseudosarcoma botryoides of the vagina in pregnancy. O'Quinn AG, et al. **Gynecol Oncol** 1982 Apr;13(2):237–41
Renal medullary fibroma: a case report. Glover SD, et al. **J Urol** 1982 Apr;127(4):758–60
[Desmoid tumor – transformation into fibrosarcoma (author's transl)] Lowy M, et al. **Dermatologica** 1981;163(1):125–36 (Eng. Abstr.) **(Fre)**
[A case of nasopharyngeal fibroma with extension intracranial (author's transl)] Kayhan V, et al. **Rev Laryngol Otol Rhinol (Bord)** 1982;103(1):57–9 (Eng. Abstr.) **(Fre)**
[Significance of myxofibroma] Niederdellmann H, et al. **Dtsch Zahnarztl Z** 1981 Nov;36(11):764–6 (Eng. Abstr.) **(Ger)**
[Diagnosis of progressive fibromatosis in the facial area] Schmelzle R, et al. **Dtsch Zahnarztl Z** 1981 Nov; 36(11):723–4 **(Ger)**
[Mucinous adenocarcinoma of the ovary with pseudosarcomatous nodules (presentation of a case)] Zanetta G, et al. **Ann Ostet Ginecol Med Perinat** 1981 Jul-Aug;102(4):286–90 **(Ita)**
[Fibromas of the tectum: description of a case] Paulazzo D, et al. **Arch E Maragliano Patol Clin** 1980;36:63–5 **(Ita)**
[The diagnostic problem caused by a fibrous polyp appearing on the site of a ureteral implant in the large intestine] Frea B, et al. **Minerva Urol** 1981 Apr-Jun;33(2):63–5 **(Ita)**
[Costal non-ossifying fibroma: radiological and thermographic aspects] Bock E, et al. **Radiol Med (Torino)** 1981 Sep;67(9):653–5 **(Ita)**
[Desmoid of the abdominal wall] Szela S, et al. **Pol Tyg Lek** 1981 Sep 21;36(38):1475–6 (Eng. Abstr.) **(Pol)**
[Radiographic and radionuclide signs of solid and soft fibromas of soft tissue] Romanova LR, et al. **Med Radiol (Mosk)** 1982 May;27(5):39–42 (Eng. Abstr.) **(Rus)**
[Benign tumors and cysts of the diaphragm] Vagner EA, et al. **Sov Med** 1981;(9):120–2 **(Rus)**

EMBRYOLOGY

Pathogenesis of juvenile nasopharyngeal fibroma. (A new concept). Maurice M, et al. **J Laryngol Otol** 1981 Nov; 95(11):1121–6

ETIOLOGY

The desmoid tumor. II. Analysis of factors possibly contributing to the etiology and growth behavior. Häyry P, et al. **Am J Clin Pathol** 1982 Jun;77(6):674–80
[Mesenteric fibromatosis following total colectomy for familial polyposis. A rare case of Gardner's syndrome] Ferrara A, et al. **Minerva Chir** 1982 Feb 15;37(3):183–6 (Eng. Abstr.) **(Ita)**

FAMILIAL & GENETIC

Familial fibromatosis. Young ID, et al. **Clin Genet** 1981 Sep; 20(3):211–6
Familial myxovascular fibromas. Peterson JL, et al. **J Am Acad Dermatol** 1982 Apr;6(4 Pt 1):470–2

METABOLISM

The desmoid tumor. III. A biochemical and genetic analysis. Häyry P, et al. **Am J Clin Pathol** 1982 Jun;77(6):681–5

MICROBIOLOGY

Extrachromosomal bovine papillomavirus type 1 DNA in hamster fibromas and fibrosarcomas. Pfister H, et al. **Virology** 1981 Dec;115(2):414–8

OCCURRENCE

The desmoid tumor. I. Incidence, sex-, age- and anatomical distribution in the Finnish population. Reitamo JJ, et al. **Am J Clin Pathol** 1982 Jun;77(6):665–73
Superficial fibrous tumors in childhood. Mehregan AH. **J Cutan Pathol** 1981 Oct;8(5):321–34 (56 ref.)

PATHOLOGY

Xanthic variant of non-ossifying fibroma (so-called xanthofibroma) of the mandible. An ultrastructural study. Ide F, et al. **Acta Pathol Jpn** 1982 Jan;32(1):135–42
Fibroma of the orbital wall after dacryocystectomy: case report. Tricoulis D, et al. **Ann Ophthalmol** 1981 Oct; 13(10):1167–8
Pleural fibromas: a clinical review and report of six patients. Bunton RW, et al. **Ann Thorac Surg** 1982 Jun;33(6):609–13
Myocardial fibroma or fibrous hamartoma. Calhoun TR, et al. **Ann Thorac Surg** 1981 Oct;32(4):406–10
An elastic tissue defect in dermatofibrosis lenticularis disseminata. Buschke–Ollendorff syndrome. Cole GW, et al. **Arch Dermatol** 1982 Jan;118(1):44–6
Pathologic quiz case 1: aggressive (desmoid-type) fibromatosis. Mills SE. **Arch Otolaryngol** 1982 Jun; 108(6):392–5
Papillary fibroelastoma of the heart. Report of six cases. Almagro UA, et al. **Arch Pathol Lab Med** 1982 Jul; 106(7):318–21
Malignant monomorphic histiocytoma in children. Cozzutto C, et al. **Cancer** 1981 Nov 1;48(9):2112–20
Disseminated nonossifying fibromas in association with café-au-lait spots (Jaffe–Campanacci syndrome). Mirra JM, et al. **Clin Orthop** 1982 Aug;(168):192–205
Polypoid carcinoma of the uterine cervix simulating 'pseudosarcoma' and 'carcinosarcoma' of esophagus and upper respiratory tract. Watty EI, et al. **Diagn Gynecol Obstet** 1981 Fall;3(3):205–11
Gastric plasma cell granuloma (report of a case). Domenichini E, et al. **Endoscopy** 1982 Jul;14(4):148–50
Pseudosarcoma of the esophagus. Takubo K, et al. **Hum Pathol** 1982 May;13(5):503–5
Paratesticular tumour (fibroma). Sharma VP, et al. **Indian J Cancer** 1981 Jun;18(2):167–8
Fibromyxoma of the femoral neck. Adler CP. **J Cancer Res Clin Oncol** 1981;101(2):183–9
Benign fibrous histiocytoma of bone. Light- and electron-microscopic observations. Roessner A, et al. **J Cancer Res Clin Oncol** 1981;101(2):191–202
Recurring digital fibroma. Mortimer G, et al. **J Clin Pathol** 1982 Aug;35(8):849–54
Fibroma of tendon sheath. Smith PS, et al. **J Clin Pathol** 1982 Aug;35(8):842–8
Atypical fibroxanthoma. Soares HL, et al. **J Dermatol Surg Oncol** 1981 Nov;7(11):915–6
Atypical fibroxanthoma of the skin. A histological and electron microscopic study. Mihara M, et al. **J Dermatol (Tokyo)** 1981 Oct;8(5):411–7
Central ossifying fibroma: an unusual clinical presentation. Knight RF, et al. **J Oral Med** 1982 Jan-Mar;37(1):14–7
Benign pedunculated intraluminal tumor of the esophagus. Tasaka Y, et al. **J Otolaryngol** 1982 Apr;11(2):111–5
Fibroma of tendon sheath. Jablokow VR, et al. **J Surg Oncol** 1982 Feb;19(2):90–2
Establishment of a human cell line (B-25F) derived from a fibroma of buccal epithelium. Blaško M, et al. **Neoplasma** 1981;28(6):675–84
A case of ossifying fibroma of the parietal bone. Shishido

T, et al. **Neurol Med Chir (Tokyo)** 1982 Jan;22(1):85–7

Paraoral cartilage analogue of fibromatosis. Corio RL, et al. **Oral Surg** 1981 Jul;52(1):56–60

The giant cell fibroma. A review of 464 cases. Houston GD. **Oral Surg** 1982 Jun;53(6):582–7

Tumors of the soft tissues. Cytology and growth pattern of fibrosarcomas and related tumors. Escalona-Zapata J. **Pathologica** 1981 Jan–Feb;73(1023):119–22

Ossifying fibroma of the peripheral skeleton. Case of a rare bone tumor in an 18-year-old girl is reported. Elliot AJ. **RI Med J** 1982 Apr;65(4):151–4

Oral fibrous hyperplasias containing stellate and multinucleated cells. Reibel J. **Scand J Dent Res** 1982 Jun; 90(3):217–26

Elastofibroma. Case report. Bosisio MB, et al. **Tumori** 1981 Oct 31;67(5):501–5

Rhabdomyosarcoma of prostate in adult. Long-term survival and problem of histologic diagnosis. Dupree WB, et al. **Urology** 1982 Jan;19(1):80–2

Fibrous pseudotumor of testicular tunic. Sajjad SM, et al. **Urology** 1982 Jan;19(1):86–8

Fibroepithelial polyp of renal pelvis. Wolgel CD, et al. **Urology** 1982 Apr;19(4):436–9

[Polycystic ovary syndrome with unilateral fibroma] Bakürdzhiev D, et al. **Akush Ginekol (Sofiia)** 1982; 21(1):88–9 **(Bul)**

[Esophageal carcinoma with polypoid pseudosarcoma—a report of 7 cases (author's transl)] Shi SR. **Chung Hua Chung Liu Tsa Chih** 1982 Feb;4(1):42–4 (Eng. Abstr.) **(Chi)**

[Morphological observation on inflammatory pseudotumor in orbit associated with proliferation of lymph cell and transformation into immunoblasts (author's transl)] Yue XH. **Chung Hua Yen Ko Tsa Chih** 1981 Sep;17(5):267–8 **(Chi)**

[Intramural cardiac fibroma] Miettinen M, et al. **Duodecim** 1982;98(1):49–51 (Eng. Abstr.) **(Fin)**

[Recurrent juvenile fibroma of the hand] De Mey A, et al. **Acta Orthop Belg** 1981;47(6):896–900 **(Fre)**

[Ethmoidal fibroma in an 18-month-old infant (author's transl)] Gandon J, et al. **Ann Otolaryngol Chir Cervicofac** 1981;98(9):461–3 (Eng. Abstr.) **(Fre)**

[Ossifying fibromatosis of the neck in children] Gaillard J, et al. **J Fr Otorhinolaryngol** 1981 Nov;30(9):567–9 **(Fre)**

[Elastofibroma dorsi. 2 cases and a review of literature] Rasmussen J, et al. **Pathologe** 1982 Mar;3(2):104–10 **(Ger)**

[The contribution to clinic, pathology and therapy of ossifying fibroma in the long tubular bones (author's transl)] Batory I. **Z Orthop** 1981 Oct;119(5):475–80 (Eng. Abstr.) **(Ger)**

[Juvenile digital fibromatosis (a peculiar lesion of myofibroblastic nature) (author's transl)] De Rosa G, et al. **Pathologica** 1981 Jan–Feb;73(1023):111–6 (Eng. Abstr.) **(Ita)**

[A case of multiple ureteral polyps in childhood (author's transl)] Yoshida M, et al. **Nippon Hinyokika Gakkai Zasshi** 1981 May;72(5):601–6 (Eng. Abstr.) **(Jpn)**

[A large intracranial fibromyxoma—case report (author's transl)] Shimura T, et al. **No Shinkei Geka** 1981 Jul; 9(8):975–80 (Eng. Abstr.) **(Jpn)**

[Malignant histiocytic fibroma of the vulva] Doliński T, et al. **Ginekol Pol** 1981 May;52(5):461–4 (Eng. Abstr.) **(Pol)**

[Elastofibroma of the back] Bigaj M, et al. **Patol Pol** 1981; 32(3):431–4 **(Pol)**

[Sarcoma and pseudosarcoma of the larynx] Teodorescu L, et al. **Rev Chir [Otorinolaringol]** 1982 Jan–Mar;27(1):1–11 **(Rum)**

[Combination of lipomatosis of the right atrium and fibromatosis of the tricuspid valve] Baliabin AA, et al. **Arkh Patol** 1981;43(8):66–8 (Eng. Abstr.) **(Rus)**

[Clinical and pathologico-anatomic characteristics of heart tumors] Iankovskaia MO, et al. **Sov Med** 1981;(6):8–12 (Eng. Abstr.) **(Rus)**

[Ulceration of gastric fibrohistiocytosis] Kushnirenko OIu, et al. **Ter Arkh** 1981;53(10):131–2 **(Rus)**

[Multiple desmoids in a 14-year-old girl] Novokreshchenov LB, et al. **Vopr Onkol** 1982;28(8):81–2 **(Rus)**

PHYSIOPATHOLOGY

Collagen modulates cell shape and cytoskeleton of embryonic corneal and fibroma fibroblasts: distribution of actin, alpha-actinin, and myosin. Tomasek JJ, et al. **Dev Biol** 1982 Jul;92(1):107–22

RADIOGRAPHY

Desmond fibromas in children. Kalifa G, et al. **Ann Radiol (Paris)** 1982 Jan;25(1):25–33 **(Eng, Fre)**

Chondromyxoid fibroma of the chest wall in an infant. Yamazaki Y, et al. **Jpn J Surg** 1981;11(6):460–3

Case report 189. Infantile fibrosarcoma (congenital fibrosarcoma-like fibromatosis). Dahlin DC. **Skeletal Radiol** 1982;8(1):77–8

Case report 161. Klein M, et al. **Skeletal Radiol** 1981; 6(4):307–9

Pure fibroma of the mesentery. Liu CI, et al. **South Med J** 1982 Apr;75(4):486–8

[Inflammatory pseudotumors of the lung: report of 16 cases (author's transl)] Liu H. **Chung Hua Chieh Ho Ho Hu Hsi Hsi Chi Ping Tsa Chih** 1980 Dec;3(4):203–4 **(Chi)**

[X-ray findings of inflammatory pseudotumors of the lung and pleura (report of 30 cases) (author's transl)] Gong CX. **Chung Hua Fang She Hsueh Tsa Chih** 1982 Feb;16(1):19–21 **(Chi)**

[The value of physical agents in the diagnosis of a tumor in the pterygo-maxillary fossa] Roulaud JP, et al. **Rev Stomatol Chir Maxillofac** 1982;83(2–3):173–8 **(Fre)**

[Periosteal desmoid of the metaphysis; differential diagnosis from malignant bone tumours by bone scintigrams (author's transl)] Feine U, et al. **ROFO** 1981 Aug;135(2):193–6 **(Ger)**

[Desmoplastic fibroma of the bone. Observations of a case] Capelli A, et al. **Chir Organi Mov** 1979 Mar–Apr; 65(2):223–5 **(Ita)**

RADIONUCLIDE IMAGING

The distal femoral defect: technetium-99m pyrophosphate bone scan results. Burrows PE, et al. **J Can Assoc Radiol** 1982 Jun;33(2):91–3

RADIOTHERAPY

Radiation therapy in the treatment of aggressive fibromatoses. Greenberg HM, et al. **Int J Radiat Oncol Biol Phys** 1981 Mar;7(3):305–10

SURGERY

Juvenile nasopharyngeal fibroma. Tapia Acuña R. **Ann Otol Rhinol Laryngol** 1981 Sep–Oct;90(5 Pt 1):420–2

Benign stromal fibromatosis on the dorsum of the foot: a case report. Eder DM, et al. **J Foot Surg** 1979 Summer; 18(2):83–5

Cardiac fibroma: long-term survival after excision. Williams DB, et al. **J Thorac Cardiovasc Surg** 1982 Aug;84(2):230–6

Chondromyxoid fibroma of the chest wall in an infant. Yamazaki Y, et al. **Jpn J Surg** 1981;11(6):460–3

Cardiac papillary fibroelastomas. Two-dimensional echocardiographic recognition. Shub C, et al. **Mayo Clin Proc** 1981 Oct;56(10):629–33

Resection of a giant ossifying fibroma through an intraoral approach in a 9-year-old child: immediate reconstruction and 6-year cephalometric follow-up. Converse JM, et al. **Plast Reconstr Surg** 1982 Mar;69(3):511–20

[Invasive fibroma of the limbs in childhood (author's transl)] Padovani JP, et al. **Rev Chir Orthop** 1981;67(3):199–208 (Eng. Abstr.) **(Fre)**

[Surgical therapy of desmoid fibromas (aggressive fibromatosis)] Meyer W, et al. **Zentralbl Chir** 1982; 107(7):378–84 **(Ger)**

[Clinico-therapeutic problems in a rare case of aggressive fibromatosis of the popliteal cavity] Denaro V, et al. **Radiol Med (Torino)** 1982 Jan–Feb;68(1–2):80–4 **(Ita)**

[A case report on giant benign localized pleural fibroma (author's transl)] Araya T, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1982 Feb;30(2):272–6 (Eng. Abstr.) **(Jpn)**

[Malignant fibrohistiocytoma of the femur] Górecki A, et al. **Chir Narzadow Ruchu Ortop Pol** 1981;46(5):495–8 (Eng. Abstr.) **(Pol)**

THERAPY

Musculo-aponeurotic fibromatosis treated by surgery and testolactone. Sauven P. **J R Soc Med** 1982 Apr;75(4):281–3

[Case of juvenile nasopharyngeal fibroma treated with gamma Co-60 radiotherapy and testosterone] Dobrek Z. **Wiad Lek** 1982 Jan 1;35(1):67–9 (Eng. Abstr.) **(Pol)**

ULTRASTRUCTURE

Primary malignant fibrous histiocytoma of bone: report of six cases with ultrastructural study and analysis of the literature. Ghandur-Mnaymneh L, et al. **Cancer** 1982 Feb 15;49(4):698–707

An ultrastructural study of angiomatoid fibrous histiocytoma. Sun CC, et al. **Cancer** 1982 May 15;49(10):2103–11

Nonossifying fibroma. Electron microscopic examination of two cases supporting a histiocytic rather than a fibroblastic origin. Herrera GA, et al. **Clin Orthop** 1982 Jul; (167):269–76

Inclusion body fibromatosis. Zardawi IM, et al. **J Pathol** 1982 Jun;137(2):99–107

Aggressive fibromatosis involving the paramandibular soft tissues. A study with the aid of electron microscopy. Rodu B, et al. **Oral Surg** 1981 Oct;52(4):395–403

Ultrastructural studies on congenital generalized fibromatosis regressed spontaneously. Kobayashi Y, et al. **Tohoku J Exp Med** 1981 Aug;134(4):431–45

Ultrastructural aspects of the dermatofibroma. Candiani P, et al. **Tumori** 1981 May–Jun;67(3):249–52

Ultrastructural histochemistry of infantile digital fibromatosis. Faraggiana T, et al. **Ultrastruct Pathol** 1981 Jul–Sep;2(3):241–7

Ultrastructure of gastric myxofibroma with intracytoplasmic collagen. Hull MT, et al. **Ultrastruct Pathol** 1982 Jan–Mar; 3(1):25–30

Fibromatosis hyalinica multiplex juvenilis. Wang NS, et al. **Ultrastruct Pathol** 1982 Apr–Jun;3(2):153–60

[Histogenesis of storiform tumors (an electron microscopy study)] Bednář B. **Cesk Patol** 1982 Feb;18(1):1–10 (Eng. Abstr.) **(Cze)**

[Desmoid fibroma of bone. An histoenzymological and ultrastructural study of the mandible in one case (author's transl)] Chomette G, et al. **Ann Pathol** 1981;1(2):147–51 (Eng. Abstr.) **(Fre)**

[Crosti disease (reticulohistiocytoma type Crosti). Light microscopic, ultrastructural, histochemical and immunohistologic findings] Zala L, et al. **Hautarzt** 1981 Oct;32(10):499–504 (Eng. Abstr.) **(Ger)**

VETERINARY

Hepatocellular adenocarcinoma in a white-tailed deer (Odocoileus virginianus). Placke ME, et al. **Can J Comp Med** 1982 Apr;46(2):198–200

Deer fibroma: a review. Sundberg JP, et al. **Can Vet J** 1981 Dec;22(12):385–8 (56 ref.)

Tendon fibromas in 2 horses. Adams SB, et al. **Equine Vet J** 1982 Jan;14(1):95–7

Non-ossifying fibroma in phalanx of a thoroughbred yearling. Attenburrow DP, et al. **Equine Vet J** 1982 Jan;14(1):59–61

Surgical repair of a rectal fibroma in a bull. Bose AS, et al. **VM SAC** 1981 Sep;76(9):1349–50

[About a case of fibromatosis of a saithe (Pollachius virens) (Short communication (author's transl)] Priebe K. **DTW** 1981 Sep 5;88(9):381–2 **(Ger)**

FIBROMA, SHOPE see **TUMOR VIRUS INFECTIONS**

FIBROMUSCULAR DYSPLASIA see under **ARTERIAL OCCLUSIVE DISEASES**

FIBRONECTINS

Comparative structural studies of human plasma and amniotic fluid fibronectins. Pande H, et al. **Biochem Biophys Res Commun** 1981 Jul 16;101(1):265–72

Affinity chromatography of collagen on collagen-binding fragments of fibronectin. Engvall E, et al. **Coll Relat Res** 1981;1(6):505–16

Reversible cross-linking of cellular components of adherent fibroblasts to fibronectin and lectin-coated substrata. Aplin JD, et al. **Exp Cell Res** 1981 Aug;134(2):488–94

Amino acid sequence of a peptide from bovine plasma fibronectin containing a free sulfhydryl group (cysteine). Vibe-Pedersen K, et al. **FEBS Lett** 1982 Jun 1;142(1):27–30

Early and late cathepsin D-derived fragments of fibronectin containing the C-terminal interchain disulfide cross-link. Richter H, et al. **Hoppe Seylers Z Physiol Chem** 1982 Apr; 363(4):351–64

Presence of fibronectin in cold precipitates of patients with cryoimmunoglobulinemia. Levo Y. **Int Arch Allergy Appl Immunol** 1982;68(2):179–81

Characterization of porcine plasma fibronectin and its fragmentation by porcine liver cathepsin B. Isemura M, et al. **J Biochem (Tokyo)** 1981 Jul;90(1):1–9

Carbohydrates selectively protect a specific domain of fibronectin against proteases. Bernard BA, et al. **J Biol Chem** 1982 Jul 25;257(14):8549–54

Carbohydrate structure of hamster plasma fibronectin. Evidence for chemical diversity between cellular and plasma fibronectins. Fukuda M, et al. **J Biol Chem** 1982 Jun 25;257(12):6856–60

Differences in domain structures between plasma and cellular fibronectins. Hayashi M, et al. **J Biol Chem** 1981 Nov 10; 256(21):11292–300

Interactions between chondroitin sulfate proteoglycan, fibronectin, and collagen. Oldberg A, et al. **J Biol Chem** 1982 May 10;257(9):4859–63

The cell attachment domain of fibronectin. Determination of the primary structure. Pierschbacher MD, et al. **J Biol Chem** 1982 Aug 25;257(16):9593–7

Shapes, domain organizations and flexibility of laminin and fibronectin, two multifunctional proteins of the extracellular matrix. Engel J, et al. **J Mol Biol** 1981 Jul 25;150(1):97–120

Fibrin-fibrinogen interactions during gel filtration in a medium containing fibrinogen, albumin or cold-insoluble globulin. Krell W, et al. **Thromb Res** 1981 Jul 1–15; 23(1–2):41–50

ADMINISTRATION & DOSAGE

Glomerular and vascular injury in mice following immunization with heterologous and autologous fibronectin. Murphy-Ullrich JE, et al. **Virchows Arch [Cell Pathol]** 1982;39(3):305–21

ANALYSIS

Bronchoalveolar fibronectin in smokers and nonsmokers. Villiger B, et al. **Am Rev Respir Dis** 1981 Nov;124(5):652–4

Fibronectin in rheumatoid and non-rheumatoid arthritic synovial fluids and in synovial fluid cryoproteins. Lu-Steffes M, et al. **Ann Clin Lab Sci** 1982 May-Jun; 12(3):178–85

NH2-terminal sequences of DNA-, heparin-, and gelatin-binding tryptic fragments from human plasma fibronectin. Pande H, et al. **Arch Biochem Biophys** 1982 Jan;213(1):258–65

Detection and quantitation of fibronectin in synovial fluid from patients with rheumatic disease. Carsons S, et al. **Arthritis Rheum** 1981 Oct;24(10):1261–7

Different molecular forms of fibronectin in rheumatoid

synovial fluid. Clemmensen I, et al. **Arthritis Rheum** 1982 Jan;25(1):25–31

Distribution of plasma fibronectin (cold-insoluble globulin) and components of the factor VIII complex after heparin-induced precipitation of plasma. Amrani DL, et al. **Blood** 1982 Mar;59(3):657–63

Lack of correlation between metastasis of human rectal carcinoma and the absence of stromal fibronectin. Niemczuk P, et al. **Br J Cancer** 1982 Apr;45(4):500–5

Studies on reticulin. I: Serological and immunohistological investigations of the occurrence of collagen type III, fibronectin and the non-collagenous glycoprotein of Pras and Glynn in reticulin. Unsworth DJ, et al. **Br J Exp Pathol** 1982 Apr;63(2):154–66

Immunofluorescence localization of fibronectin in chondrosarcoma cartilage matrix. Kimata K, et al. **Cancer Res** 1982 Jun;42(6):2384–91

A difference between plasma and cellular fibronectins located with monoclonal antibodies. Atherton BT, et al. **Cell** 1981 Jul;25(1):133–41

Distribution of fibronectin-containing structures on the surface of lamelloplasm and endoplasm of fibroblasts ; hypothesis of receptor-mediated assembly of fibronectin structures. Lyubimov AV, et al. **Cell Biol Int Rep** 1982 Feb;6(2):105–12

Distribution of fibronectin in plasma and liver in liver diseases. Matsuda M, et al. **Clin Chim Acta** 1982 Feb 5; 118(2–3):191–9

Modification of fibronectin distribution pattern in solid human tumours. Labat-Robert J, et al. **Diagn Histopathol** 1981 Oct–Dec;4(4):299–306

Synovial fluid fibronectin [letter] Carsons S, et al. **Eur J Clin Invest** 1982 Feb;12(1):9

Fibronectin in synovial fluid and tissue in rheumatoid arthritis. Vartio T, et al. **Eur J Clin Invest** 1981 Jun; 11(3):207–12

Immuno-electron microscopic localization of fibronectin on rat mast cells. Sasaki J, et al. **Experientia** 1982 Apr 15; 38(4):495–6

The influence of fixation and tissue preparation on the immunohistochemical demonstration of fibronectin in human tissue. Hølund B, et al. **Histochemistry** 1981; 72(2):291–9

Human macrophages synthesize and secrete a major 95,000-dalton gelatin-binding protein distinct from fibronectin. Vartio T, et al. **J Biol Chem** 1982 Aug 10; 257(15):8862–6

Laminin, fibronectin, and collagen in synaptic and extrasynaptic portions of muscle fiber basement membrane. Sanes JR. **J Cell Biol** 1982 May;93(2):442–51

Cell shape and organization of cytoskeleton and surface fibronectin in non-tumorigenic and tumorigenic rat liver cultures. Bannikov GA, et al. **J Cell Sci** 1982 Apr;54:47–67

Fibronectin in exudative pleural effusions. Klockars M, et al. **J Clin Pathol** 1982 Jul;35(7):723–7

Immunohistochemical localization of fibronectin in human and rat uterine cervices. Leppi TJ, et al. **J Histochem Cytochem** 1982 May;30(5):413–7

Immunocytochemical localization of fibronectin in limb tissues of the adult newt, Notophthalmus viridescens. Repesh LA, et al. **J Histochem Cytochem** 1981 Aug; 29(8):937–45

Fibronectin involvement in granulation tissue and wound healing in rabbits. Repesh LA, et al. **J Histochem Cytochem** 1982 Apr;30(4):351–8

Cell surface distribution of fibronectin in cultures of fibroblasts and bladder derived epithelium: SEM-immunogold localization compared to immunoperoxidase and immunofluorescence.. Trejdosiewicz LK, et al. **J Microsc** 1981 Aug;123(Pt 2):227–36

Upshaw-Schulman syndrome and fibronectin (cold insoluble globulin) [letter] Koizumi S, et al. **N Engl J Med** 1981 Nov 19;305(21):1284–5

Presence of fibronectin in pneumoconiotic lesions. Wagner JC, et al. **Thorax** 1982 Jan;37(1):54–6

Distribution of fibronectin on peripheral blood cells in freshly clotted blood. Grinnell F, et al. **Thromb Res** 1981 Dec 1–15; 24(5–6):397–404

Distribution of fibronectin in fibrotic human livers at various states. Kojima N, et al. **Tohoku J Exp Med** 1981 Dec; 135(4):403–12

[Fibronectin. Immuno-morphological study of its distribution in human pathology (author's transl)] Birembaut P, et al. **Ann Pathol** 1981;1(2):140–6 (Eng. Abstr.) **(Fre)**

[Fibronectin in human breast tumors. Optical studies in vitro and in vivo about 19 cases (author's transl)] Noel P, et al. **Ann Pathol** 1982;2(1):41–8 (Eng. Abstr.) **(Fre)**

[Distribution of collagen, fibronectin, and laminin during morphogenesis of skin and cutaneous appendages in the chick embryo (author's transl)] Mauger A, et al. **C R Seances Acad Sci [III]** 1982 Mar 15;294(11):475–80 (Eng. Abstr.) **(Fre)**

[Distribution of fibronectin in renal pathology (author's transl)] Birembaut P, et al. **Nephrologie** 1982;3(1):23–6 (Eng. Abstr.) **(Fre)**

[Carbon-replica-cytochemistry--a method for localization of cell surface components (author's transl)] Fromme HG, et al. **Acta Histochem (Jena)** 1982;70(1):1–7 (Eng. Abstr.) **(Ger)**

[Fibronectin (editorial)] Haim S. **Harefuah** 1981 Jun 15; 100(12):584–5 **(Heb)**

[Localization of fibronectin as revealed by immunofluorescence in human corneas (author's transl)] Watanabe T, et al. **Nippon Ganka Gakkai Zasshi** 1982; 86(4):426–32 (Eng. Abstr.) **(Jpn)**

[Studies on coagulation-fibrinolysis system and cold insoluble globulin in normal pregnancy (author's transl)] Mutoh S, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1982 Mar; 34(3):369–77 (Eng. Abstr.) **(Jpn)**

ANTAGONISTS & INHIBITORS

Cartilage proteoglycans inhibit fibronectin-mediated adhesion. Rich AM, et al. **Nature** 1981 Sep 17–23; 293(5829):224–6

BIOSYNTHESIS

Synthesis of fibronectin by the isolated perfused rat liver. Owens MR, et al. **Blood** 1982 Jun;59(6):1305–9

Endo- and ectocervical human uterine epithelial cells distinguished by fibronectin production and keratinization in culture. Alitalo K, et al. **Cancer Res** 1982 Mar; 42(3):1142–6

The tumor promoter PMA reversibly inhibits chondrogenesis--influence on the expression of collagen types and fibronectin. Sasse J, et al. **Carcinog Compr Surv** 1982;7:395–400

Regulation of protein secretion in Chinese hamster ovary cells by cell cycle position and cell density. Plasminogen activator, procollagen fibronectin. Aggeler J, et al. **Exp Cell Res** 1982 Jun;139(2):275–83

Fibronectin synthesis and surface expression is correlated with cell morphology and adhesiveness in a cold-sensitive, G1-defective mutant of CHO cells. Lydon MJ, et al. **Exp Cell Res** 1981 Oct;135(2):347–54

The effect of dexamethasone on formation of intra and extracellular fibronectin matrix by human endothelial cells in culture. Piovella F, et al. **Haematologica (Pavia)** 1982 Feb;67(1):58–63

Type I collagen and fibronectin synthesis by retrocorneal fibrous membrane. Kay ED, et al. **Invest Ophthalmol Vis Sci** 1982 Feb;22(2):200–12

Fibronectin production by cultured human trabecular meshwork cells. Worthen DM, et al. **Invest Ophthalmol Vis Sci** 1982 Aug;23(2):265–9

Masking of extracellular collagen and the co-distribution of collagen and fibronectin during matrix formation by cultured embryonic fibroblasts. Little CD, et al. **J Cell Sci** 1982 Jun;55:35–50

Fibronectin is produced by blood vessels in response to injury. Clark RA, et al. **J Exp Med** 1982 Aug 1; 156(2):646–51

Suppression of fibronectin synthesis by an early function(s) of human cytomegalovirus. Ihara S, et al. **J Gen Virol** 1982 Apr;59(Pt 2):409–13

Production of fibronectin by the human alveolar macrophage: mechanism for the recruitment of fibroblasts to sites of tissue injury in interstitial lung diseases. Rennard SI, et al. **Proc Natl Acad Sci USA** 1981 Nov;78(11):7147–51

Synthesis of collagen and fibronectin by glomerular cells in culture. Foidart JM, et al. **Renal Physiol** 1980;3(1–6):183–92

BLOOD

Immunoreactive serum opsonic alpha 2 sb glycoprotein as a noninvasive index of RES systemic defense after trauma. Kaplan JE, et al. **Adv Shock Res** 1979;2:83–92

Humoral regulation of plasma opsonic fibronectin levels: its role in reticuloendothelial recovery after RE blockade. Roccario E, et al. **Adv Shock Res** 1981;5:57–66

A solid-phase radioimmunoassay for the determination of fibronectin levels in plasma. Pearlstein E, et al. **Anal Biochem** 1981 Sep 15;116(2):292–7

Biological activity and conformational stability of the domains of plasma fibronectin. Wallace DG, et al. **Arch Biochem Biophys** 1981 Dec;212(2):515–24

Plasma fibronectin in man after a severe paraquat intoxication. Lohmann J, et al. **Arch Toxicol [Suppl]** 1982; 5:295–7

Changes in conglutinin, immunoconglutinin, complement C3 and fibronectin concentrations in cattle acutely infected with Babesia bovis. Goodger BV, et al. **Aust J Exp Biol Med Sci** 1981 Oct;59(Pt 5):531–8

DNA-binding domains of fibronectin probed using Western blots. Hoch SO. **Biochem Biophys Res Commun** 1982 Jun 30;106(4):1353–8

A possible role for cold insoluble globulin in chemotactic factor mediated polymorphonuclear leukocyte adherence to plastic. Spagnuolo PJ, et al. **Biochem Biophys Res Commun** 1982 May 31;106(2):471–8

Immunochemical characterization of human plasma fibronectin. Vuento M, et al. **Biochem J** 1980 Dec 1; 191(3):719–27

Isolation and characterization of rat plasma fibronectin. Weiss RE, et al. **Biochem J** 1981 Sep 1;197(3):529–34

Plasma fibronectin in acute leukaemia. Boughton BJ, et al. **Br J Haematol** 1982 Jul;51(3):487–91

Age-dependent increase of human plasma fibronectin. Labat-Robert J, et al. **Cell Biol Int Rep** 1981 Oct; 5(10):969–73

A study of the structure of fibronectin. Koteliansky VE, et al. **Eur J Biochem** 1981 Oct;119(3):619–24

Characterization of the binding domains in the fragments cleaved by cathepsin G from human plasma fibronectin. Vartio T. **Eur J Biochem** 1982 Apr 1;123(2):223–33

Arrangement of attachment-promoting, self-association, and heparin-binding sites in horse serum fibronectin. Ehrismann R, et al. **J Biol Chem** 1982 Jul 10;257(13):7381–7

The relationship of serum fibronectin and cell shape to thrombin-induced inhibition of DNA synthesis in human fibroblasts. Hall WM, et al. **J Cell Physiol** 1981 Nov; 109(2):271–80

Fibonectin is a component of the surface coat of human neutrophils. Hoffstein ST, et al. **J Cell Sci** 1981 Aug; 50:315–27

Immunoturbidimetric measurement of cold insoluble globulin with reference to a laser nephelometric assay. Gressner AM, et al. **J Clin Chem Clin Biochem** 1981 Dec; 19(12):1213–5

A stable, sensitive assay for human fibronectin. Todd-Kulikowski HD, et al. **J Immunol Methods** 1981; 44(3):333–41

Evaluation of a rapid immunoturbidimetric assay for opsonic fibronectin in surgical and trauma patients. Saba TM, et al. **J Lab Clin Med** 1981 Oct;98(4):482–91

Fibronectin expression on the platelet surface occurs in concert with secretion. Ginsberg MH, et al. **J Supramol Struct Cell Biochem** 1981;17(1):91–8

Rapid determination of cold insoluble globulin by laser nephelometry. Application in patients receiving preoperative total parenteral nutrition. Brodin B, et al. **JPEN** 1982 May-Jun;6(3):214–7

Fibronectin levels in congenital thrombocytopenia: Schulman's syndrome. Goodnough LT, et al. **N Engl J Med** 1982 Apr 15;306(15):938–9

Influence of gelatin on bioassayable and immunoreactive opsonic fibronectin. Niehaus GD, et al. **Proc Soc Exp Biol Med** 1981 Oct;168(1):15–23

Plasma fibronectin concentrations in critically ill patients. Coulaud JM, et al. **Ric Clin Lab** 1982 Jan-Mar;12(1):137–41

Fibronectin levels in normal subjects and patients admitted to a respiratory intensive care unit. Purves LR, et al. **S Afr Med J** 1982 May 15;61(20):733–6

Effect of lectins and chemical modification on the hemagglutinin activity of human plasma fibronectin. Vuento M, et al. **Z Naturforsch [C]** 1981 Sep–Oct; 36(9–10):863–8

[Determination of plasma fibronectins using laser nephelometry in patients with shock or sepsis] Lohmann J, et al. **Med Welt** 1981 Aug 14;32(32–33):1208–9 **(Ger)**

DEFICIENCY

Effect of splenectomy on the cardiovascular response to hemorrhage in dogs with immunoreactive opsonic deficiency and reticuloendothelial blockade. Stein PM, et al. **Adv Shock Res** 1980;3:187–208

Fibronectin deficiency and intestinal transvascular fluid balance during bacteremia. Dillon BC, et al. **Am J Physiol** 1982 Apr;242(4):H557–64

Opsonic fibronectin deficiency and sepsis. Cause or effect? Lanser ME, et al. **Ann Surg** 1982 Mar;195(3):340–5

Leukemic-like membrane properties acquired by B lymphocytes when depleted of 185,000-dalton macromolecular insoluble cold globulin. Simmonds MA, et al. **Blood** 1982 Mar;59(3):555–62

Opsonic fibronectin deficiency in the etiology of starvation-induced reticuloendothelial phagocytic dysfunction. Dillon BC, et al. **Exp Mol Pathol** 1982 Apr; 36(2):177–92

GENETICS

Localization of the human fibronectin (FN) gene on chromosome 8 by a specific enzyme immunoassay. Rennard SI, et al. **Biochem Genet** 1981 Jun;19(5–6):551–66

Chromosome mapping of connective tissue protein genes. Church RL. **Int Rev Connect Tissue Res** 1981;9:99–150 (157 ref.)

IMMUNOLOGY

Identification of the species-specific antigenic determinant(s) of human plasma fibronectin by monoclonal antibodies. Koteliansky VE, et al. **FEBS Lett** 1982 Jun 7; 142(2):199–202

Monoclonal antibodies directed to two different domains of human plasma fibronectin: their specificities. Sekiguchi K, et al. **FEBS Lett** 1982 Jun 7;142(2):243–6

Immunological identification of two sulfhydryl-containing fragments of human plasma fibronectin. Smith DE, et al. **J Biol Chem** 1982 May 25;257(10):5831–8

Purification and characterization of a protein with fibronectin determinants and phagocytosis-enhancing activity. Czop JK, et al. **J Immunol** 1982 Jul;129(1):163–7

Structural analysis of fibronectin with monoclonal antibodies. Atherton BT, et al. **J Supramol Struct Cell Biochem** 1981; 17(2):153–61

[The patho-physiological role of fibronectin in the critically ill patient] Eriksen HO, et al. **Ugeskr Laeger** 1981 Oct 5; 143(41):2635–8 (Eng. Abstr.) **(Dan)**

ISOLATION & PURIFICATION

An affinity method for the rapid purification of opsonic alpha 2 SB glycoprotein from serum. Blumenstock FA, et al. **Adv Shock Res** 1979;2:55–71

Fibronectin associated with Clq in a Clq isolation procedure.

Anderson B, et al. **Immunol Commun** 1981;10(8):687–96
Isolation and characterization of fibronectin from bovine aqueous humor. Reid T, et al.
Invest Ophthalmol Vis Sci 1982 Jan;22(1):57–61
The phosphate content of human fibronectin. Ledger PW, et al. **J Biol Chem** 1982 Apr 10;257(7):3890–5
Similarities and differences between the fibronectins of normal and transformed hamster cells. Wagner DD, et al. **J Biol Chem** 1981 Nov 25;256(22):11708–15
Fibronectin: purification, immunochemical properties, and biological activities. Ruoslahti E, et al.
Methods Enzymol 1982;82 Pt A:803–31
Heparin facilitates the extraction of tissue fibronectin. Bray BA, et al. **Science** 1981 Nov 13;214(4522):793–5
Platelet's adhering protein: isolation of a new non–fibronectin protein from bovine platelet membrane. Saito Y, et al. **Thromb Res** 1982 Jan 1 & 15;25(1–2):143–7
[Procedure for the isolation of human plasma fibronectin (author's transl)] Burnouf T, et al. **Ann Pharm Fr** 1982 Apr; 40(1):91–6 (Eng. Abstr.) **(Fre)**
[Valve of a freeze–dried gelatin–agarose combination in selective extraction of fibronectin from human plasma] Burnouf T, et al. **Rev Fr Transfus Immunohematol** 1981 Dec;24(6):559–70 (Eng. Abstr.) **(Fre)**

METABOLISM

Fibronectin in experimental granulation tissue. Hølund B, et al. **Acta Pathol Microbiol Immunol Scand [A]** 1982 May; 90(3):159–65
Plasma fibronectin–binding glycosaminoglycans in the substratum adhesion sites of neural tumor cells. Culp LA, et al. **Arch Biochem Biophys** 1982 Feb;213(2):726–30
The influence of fibronectin on cryoprecipitate formation in rheumatoid arthritis and systemic lupus erythematosus. Beaulieu AD, et al. **Arthritis Rheum** 1981 Nov; 24(11):1383–8
Binding of fibronectin to actin is inhibited by gelatin. Keski–Oja J, et al. **Biochem Biophys Res Commun** 1981 Jun;100(4):1515–22
Loss of fibronectin among the selective surface protein changes associated with p–formaldehyde promoted membrane vesiculation. Rieber M, et al.
Biochem Biophys Res Commun 1982 Jan 29;104(2):844–50
Sulfation and molecular weight of fibronectin shed by human melanoma cells. Wilson BS, et al.
Biochem Biophys Res Commun 1981 Aug 14;101(3):1047–51
Isolation of an actin–binding fragment of fibronectin. Keski–Oja J, et al. **Biochem J** 1981 Feb 1;193(2):615–20
Comparative studies on amniotic fluid and plasma fibronectins. Ruoslahti E, et al. **Biochem J** 1981 Jan 1; 193(1):295–9
Essential charged amino acids in the binding of fibronectin to gelatin. Vuento M, et al. **Biochem J** 1982 Jan 1;201(1):1–8
Survival of native structure and biological activity in fibronectin pasteurized in the presence of sucrose. Wallace DG, et al. **Biochem Med** 1982 Jun;27(3):286–96
Cross–linking of alpha 2–plasmin inhibitor and fibronectin to fibrin by fibrin–stabilizing factor. Tamaki T, et al.
Biochim Biophys Acta 1981 Oct 13;661(2):280–6
Fibronectin mediates attachment of Staphylococcus aureus to human neutrophils. Proctor RA, et al. **Blood** 1982 Apr; 59(4):681–7
Fibronectin: blood turnover in normal animals and during intravascular coagulation. Sherman LA, et al. **Blood** 1982 Sep;60(3):558–63
The distribution of fibronectin in the pannus in rheumatoid arthritis. Scott DL, et al. **Br J Exp Pathol** 1981 Aug; 62(4):362–8
Fibronectin and glial fibrillary acidic protein expression in normal human brain and anaplastic human gliomas. Jones TR, et al. **Cancer Res** 1982 Jan;42(1):168–77
Distribution of fibronectin on clonal cell lines of a rat mammary adenocarcinoma growing in vitro and in vivo at primary and metastatic sites. Neri A, et al.
Cancer Res 1981 Dec;41(12 Pt 1):5082–95
Structure of the pericellular matrix: association of heparan and chondroitin sulfates with fibronectin–procollagen fibers. Hedman K, et al. **Cell** 1982 Mar;28(3):663–71
Location of the cell–attachment site in fibronectin with monoclonal antibodies and proteolytic fragments of the molecule. Pierschbacher MD, et al. **Cell** 1981 Oct;26(2 Pt 2):259–67
Synovial fluid and plasma fibronectin levels in rheumatoid arthritis. Scott DL, et al. **Clin Sci** 1982 Jan;62(1):71–6
Relationships between microfilaments, cell–substratum adhesion, and fibronectin. Hynes RO, et al.
Cold Spring Harbor Symp Quant Biol 1982;46 (Pt 2):659–70
Independence of reciprocal attachment sites on denatured collagen and fibronectin from antigenic sites, and binding of gelatin–based plasma substitutes to plasma fibronectin. Adelmann–Grill BC. **Coll Relat Res** 1981 Jul;1(4):367 –75
Fibronectin: its relationship to basement membranes. I. Light microscopic studies. Boselli JM, et al. **Coll Relat Res** 1981 Sep;1(5):391–404
Fibronectin: its relationship to basement membranes. II. Ultrastructural studies in rat kidney. Martinez–Hernandez A, et al. **Coll Relat Res** 1981 Sep;1(5):405–18
Transformation of chick embryo fibroblasts by rous sarcoma virus does not inhibit the assembly of fibronectin into reduction–sensitive dimer and high molecular weight complex. McConnell MR, et al. **Cytobios** 1982; 33(130):89–102
Muscle morphogenesis: Evidence for an organizing function of exogenous fibronectin. Chiquet M, et al. **Dev Biol** 1981 Dec;88(2):220–35
Fibronectin expression during the processes leading to axis formation in the chick embryo. Mitrani E, et al.
Dev Biol 1982 May;91(1):197–201
Interaction of embryonic corneal epithelium with exogenous collagen, laminin, and fibronectin: role of endogenous protein synthesis. Sugrue SP, et al. **Dev Biol** 1982 Jul; 92(1):97–106
Nonuniform distribution of fibronectin during avian limb development. Tomasek JJ, et al. **Dev Biol** 1982 Mar; 90(1):118–26
Distribution of fibronectin and collagen during mouse limb and palate development. Silver MH, et al.
Differentiation 1981;18(3):141–9
Fibronectin and its role in connective tissue diseases [editorial] Clemmensen I. **Eur J Clin Invest** 1981 Jun; 11(3):145–6
Fibronectin distribution pattern and the three–dimensional growth behavior of mammalian cells under anchorage–independent conditions. Rajaraman R, et al.
Exp Cell Biol 1982;50(1):2–12
Isolation of cloned variants of a rat hepatoma cell line with altered attachment to collagen, but normal attachment to fibronectin. Briles EB, et al. **Exp Cell Res** 1982 Apr; 138(2):436–41
Retinoic acid induces anchorage– and density– dependent growth without restoring normal cytoskeleton, EGF binding, fibronectin content and ODC activity in a retrovirus– transformed mouse cell line. Mukherjee BB, et al. **Exp Cell Res** 1982 Mar;138(1):95–107
The role of fibronectin in adhesion of metastatic melanoma cells to endothelial cells and their basal lamina. Nicolson GL, et al. **Exp Cell Res** 1981 Oct;135(2):461–5
A study of actin–fibronectin interaction. Koteliansky VE, et al. **FEBS Lett** 1981 Oct 12;133(1):31–5
Interaction of fibronectin with C1q and its collagen–like fragment (CLF). Menzel EJ, et al. **FEBS Lett** 1981 Jun 29;129(1):188–92
Binding of fibronectin to C1q; inhibition of binding by aggregated IgG. Harris C, et al. **Immunol Commun** 1981; 10(7):601–9
Fibronectin interacts with C1q, a subcomponent of the first component of complement. Isliker H, et al.
Immunol Lett 1982 Jan;4(1):39–43
Reversible binding of a guinea–pig lymphokine to gelatin and fibrinogen: possible relationship of macrophage agglutination factor and fibronectin. Godfrey HP, et al. **Immunology** 1982 Jul;46(3):515–26
Cultured human bronchial epithelial cells: blood group antigens, keratin, collagens, and fibronectin. Stoner GD, et al. **In Vitro** 1981 Jul;17(7):577–87
Fibronectin binding to protein A–containing staphylococci. Doran JE, et al. **Infect Immun** 1981 Sep;33(3):683–9
Human fibronectin binding to staphylococcal surface protein and its relative inefficiency in promoting phagocytosis by human polymorphonuclear leukocytes, monocytes, and alveolar macrophages. Verbrugh HA, et al.
Infect Immun 1981 Sep;33(3):811–9
Phenotypic drift of metastatic and cell–surface properties of mammary adenocarcinoma cell clones during growth in vitro. Neri A, et al. **Int J Cancer** 1981 Dec;28(6):731–8
Fibronectin in human solid tumors. Stenman S, et al.
Int J Cancer 1981;27(4):427–35
Interaction of fibronectin and its proteolytic fragments with hyaluronic acid. Isemura M, et al. **J Biochem (Tokyo)** 1982 Feb;91(2):731–4
Fibronectin adsorption on hydrophilic and hydrophobic surfaces detected by antibody binding and analyzed during cell adhesion in serum–containing medium. Grinnell F, et al. **J Biol Chem** 1982 May 10;257(9):4888–93
Divalent cation modulation of fibronectin binding to heparin and to DNA. Hayashi M, et al. **J Biol Chem** 1982 May 10;257(9):5263–7
Differences in hyaluronate binding to plasma and cell surface fibronectins. Requirement for aggregation. Laterra J, et al. **J Biol Chem** 1982 Jan 25;257(2):719–26
Specific and saturable binding of plasma fibronectin to thrombin–stimulated human platelets. Plow EF, et al.
J Biol Chem 1981 Sep 25;256(18):9477–82
Localization of two unique heparin binding domains of human plasma fibronectin with monoclonal antibodies. Smith DE, et al. **J Biol Chem** 1982 Jun 10;257(11):6518–23
A gelatin–binding 70,000–dalton glycoprotein synthesized distinctly from fibronectin by normal and malignant adherent cells. Vartio T, et al. **J Biol Chem** 1981 Dec 25; 256(24):13085–90
Association of fibronectin and vinculin with focal contacts and stress fibers in stationary hamster fibroblasts. Singer II. **J Cell Biol** 1982 Feb;92(2):398–408
Human alveolar macrophage fibronectin: synthesis, secretion, and ultrastructural localization during gelatin–coated latex particle binding. Villiger B, et al. **J Cell Biol** 1981 Sep; 90(3):711–20
Adhesive substrates for fibronectin. Klebe RJ, et al.
J Cell Physiol 1981 Dec;109(3):481–8
Glycolipids: receptors for fibronectin? Yamada KM, et al.
J Cell Physiol 1981 Nov;109(2):343–51
Fibronectin in human bronchopulmonary lavage fluid. Elevation in patients with interstitial lung disease. Rennard SI, et al. **J Clin Invest** 1982 Jan;69(1):113–22
Fibronectin increases the motility, phagocytosis and NBT (nitroblue tetrazolium)–reduction of granulocytes. Jarstrand C, et al. **J Clin Lab Immunol** 1982 May;8(1):59–63
Spatiotemporal patterns of fibronectin distribution during embryonic development. II. Chick branchial arches. Jaskoll T, et al. **J Craniofac Genet Dev Biol** 1981;1(2):203–12
Distribution of endogenous beta–galactoside–specific lectin, fibronectin and type I and III collagens during dermal condensation in chick embryos. Kitamura K.
J Embryol Exp Morphol 1981 Oct;65:41–56
Spatiotemporal patterns of fibronectin distribution during embryonic development. I. Chick limbs. Melnick M, et al. **J Embryol Exp Morphol** 1981 Jun;63:193–206
Fibronectin and C4–binding protein are selectively bound by aggregated amyloid P component. de Beer FC, et al. **J Exp Med** 1981 Oct 1;154(4):1134–9
The interaction of human plasma fibronectin with a subunit of the first component of complement, C1q. Pearlstein E, et al. **J Immunol** 1982 May;128(5):2036–9
Reorganization of the cytoskeleton by interferon in MSV–transformed cells. Bourgeade MF, et al.
J Interferon Res 1981 Feb;1(2):323–32
Molecular and biological interactions of fibronectin. Ruoslahti E, et al. **J Invest Dermatol** 1982 Jul;79 Suppl 1:65s–68s
Cardiac fibronectin: developmental distribution and quantitative comparison of possible sites of synthesis. Ahumada GG, et al. **J Mol Cell Cardiol** 1981 Jul; 13(7):667–78
Involvement of fibronectin, Von Willebrand factor, and fibrinogen in platelet interaction with solid substrata. Lahav J, et al. **J Supramol Struct Cell Biochem** 1981;17(4):299–311
Loss of organized fibronectin matrix from the surface of aging diploid fibroblasts (IMR–90). Vogel KG, et al.
Mech Ageing Dev 1981;16(4):295–302
Fibronectin binds to the C1q component of complement. Bing DH, et al. **Proc Natl Acad Sci USA** 1982 Jul; 79(13):4198–201
Role of basal lamina in tissue interactions. Brownell AG, et al. **Renal Physiol** 1980;3(1–6):193–204
Loss of different pericellular matrix components of rat cells transformed with a T–class ts mutant of Rous sarcoma virus. Alitalo K, et al. **Virology** 1982 Jun;119(2):347–57
[Fibronectin and its role in cell interactions with extracellular matrices] Deyl Z, et al. **Cesk Fysiol** 1981;30(5):397–406 (40 ref.) **(Cze)**
[Distribution of fibronectin in human glomeruli in various types of renal diseases. Relationship of the distribution pattern with the deposition of fibrin, alpha 2–plasmin inhibitor and plasminogen (author's transl)] Terukina S, et al. **Nippon Jinzo Gakkai Shi** 1982 Jan;24(1):17–26 (Eng. Abstr.) **(Jpn)**
[Reaction between 125I–collagen and growing fibronectin polypeptides of chick embryo polyribosomes] Zlatopol'skiĭ AD, et al. **Vopr Med Khim** 1982 Mar–Apr;28(2):108–14 (Eng. Abstr.) **(Rus)**

PHARMACODYNAMICS

Clumping of Staphylococcus aureus by human fibronectin. Espersen F, et al. **Acta Pathol Microbiol Scand [B]** 1981 Oct;89(5):317–21
Reticuloendothelial (RE) response to surgery as modified by intravenous administration of plasma cryoprecipitate or cold–insoluble globulin (plasma fibronectin) purified by affinity chromatography. Saba TM, et al.
Adv Shock Res 1980;3:251–71
Opsonin–independent phagocytosis by human alveolar macrophages: augmentation by human plasma fibronectin. Czop JK, et al. **Am Rev Respir Dis** 1982 May;125(5):607–9
Fibronectin enhances in vitro monocyte–macrophage–mediated tumoricidal activity. Perri RT, et al. **Blood** 1982 Aug;60(2):430–5
Chemotaxis of aortic endothelial cells in response to fibronectin. Bowersox JC, et al. **Cancer Res** 1982 Jul; 42(7):2547–51
Ultrastructural and tissue–culture studies on the role of fibronectin, collagen and glycosaminoglycans in the migration of neural crest cells in the fowl embryo. Newgreen DF, et al. **Cell Tissue Res** 1982;221(3):521–49 (89 ref.)
Promotion of retinal neurite outgrowth by substratum–bound fibronectin. Akers RM, et al. **Dev Biol** 1981 Aug; 86(1):179–88
Role of collagen and fibronectin in neural crest cell adhesion and migration. Greenberg JH, et al. **Dev Biol** 1981 Oct 30;87(2):259–66
Fibronectin and collagen inhibit cell–substratum adhesion of neutrophil granulocytes. Brown AF, et al. **Exp Cell Res** 1981 Nov;136(1):225–31
Fibronectin promotes formation of the close cell–to–substrate contact in cultured cells. Norton EK, et al.
Exp Cell Res 1982 Jun;139(2):463–7
An effect of fibronectin in epidermal growth factor (EGF)–stimulated membrane protein phosphorylation in human carcinoma cells. Rieber M, et al. **Exp Cell Res** 1982 Apr;138(2):441–6
The influence of exogenous fibronectin on blood granulocyte adherence to vascular endothelium in vitro. Wall RT, et al. **Exp Cell Res** 1982 Jul;140(1):105–9
Effect of fibronectin on the adhesion of an established cell line to a surface reactive biomaterial. Seitz TL, et al.
J Biomed Mater Res 1982 May;16(3):195–207

Fibronectin promotes rat Schwann cell growth and motility. Baron-Van Evercooren A, et al. **J Cell Biol** 1982 Apr; 93(1):211-6

Effect of glycosaminoglycans on fibronectin-mediated cell attachment. Klebe RJ, et al. **J Cell Physiol** 1982 Jul; 112(1):5-9

Fibroblast adhesion on collagen substrata in the presence and absence of plasma fibronectin. Grinnell F, et al. **J Cell Sci** 1981 Apr;48:19-34

The effects of fibronectin on the migration of human foreskin fibroblasts and Syrian hamster melanoma cells into three-dimensional gels of native collagen fibres. Schor SL, et al. **J Cell Sci** 1981 Apr;48:301-14

The effects of fibronectin on the adhesion and migration of chinese hamster ovary cells on collagen substrata. Schor SL, et al. **J Cell Sci** 1981 Jun;49:299-310

A role for anti-inflammatory agents and cyclic AMP in regulating fibronectin-mediated phagocytosis. Gudewicz PW, et al. **J Immunopharmacol** 1981;3(2):193-204

Enhancement of cell attachment of a substrate coated with oral bacterial endotoxin by plasma fibronectin. Porvaznik M, et al. **J Periodont Res** 1982 Mar;17(2):154-68

Fibronectin as a co-factor necessary for optimal granulocyte phagocytosis of Staphylococcus aureus. Lanser ME, et al. **J Reticuloendothel Soc** 1981 Nov;30(5):415-24

Effect of serum, fibronectin, and laminin on adhesion of rabbit intestinal epithelial cells in culture. Burrill PH, et al. **J Supramol Struct Cell Biochem** 1981;16(4):385-92

Transformation-enhancing activity of gelatin-binding fragments of fibronectin. De Petro G, et al. **Proc Natl Acad Sci USA** 1981 Aug;78(8):4965-9

[Effect of fibronectin on morphology and cytoskeleton of cultured epithelial liver cells] Troianovskii SM. **Biull Eksp Biol Med** 1982 Jan;93(1):81-4 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

Fibronectin and wound healing. Grinnell F. **Am J Dermatopathol** 1982 Apr;4(2):185-8

Fibronectin structure and function, and its interactions with glycosaminoglycans. Yamada KM, et al. **Biochem Soc Trans** 1981 Dec;9(6):506-8

The removal of extracellular fibronectin from areas of cell-substrate contact. Avnur Z, et al. **Cell** 1981 Jul; 25(1):121-32

Fibronectin: current concepts of its structure and functions. Ruoslahti E, et al. **Cell Relat Res** 1981;1(1):95-128 (220 ref.)

Fibronectin appears at the site of corneal stromal wound in rabbits. Suda T, et al. **Curr Eye Res** 1981-82;1(9):553-6

Cell surface molecules involved in fibronectin-mediated adhesion. A study using specific antisera. Hughes RC, et al. **Eur J Cell Biol** 1981 Dec;26(1):198-207

Loss of pericellular fibronectin matrix from heterokaryons of normal human fibroblasts and epithelial cells. Laurila P. **Exp Cell Res** 1981 Sep;135(1):21-9

Substrate adhesion of rat hepatocytes. On the role of fibronectin in cell spreading. Rubin K, et al. **Exp Cell Res** 1981 Sep;135(1):127-35

The adherence of group A streptococci to oropharyngeal cells: the lipoteichoic acid adhesin and fibronectin receptor. Beachey EH, et al. **Infection** 1982;10(2):107-11

Fibronectin. Stasko T, et al. **Int J Dermatol** 1982 Mar; 21(2):68-74

The cooperative role of the transformation-sensitive glycoproteins, GP140 and fibronectin, in cell attachment and spreading. Carter WG. **J Biol Chem** 1982 Mar 25; 257(6):3249-57

Fibronectin has a dual role in locomotion and anchorage of primary chick fibroblasts and can promote entry into the division cycle. Couchman JR, et al. **J Cell Biol** 1982 May;93(2):402-10

Fibronectin-independent adhesion of fibroblasts to the extracellular matrix: mediation by a high molecular weight membrane glycoprotein. Harper PA, et al. **J Cell Biol** 1981 Dec;91(3 Pt 1):647-53

Role of fibronectin in collagen deposition: Fab' to the gelatin-binding domain of fibronectin inhibits both fibronectin and collagen organization in fibroblast extracellular matrix. McDonald JA, et al. **J Cell Biol** 1982 Feb;92(2):485-92

Immunofluorescent histological studies of the role of fibronectin in the expression of the associative preferences of embryonic tissues. Armstrong PB, et al. **J Cell Sci** 1981 Aug;50:121-33

Fibronectin, intercellular junctions and the sorting-out of chick embryonic tissue cells in monolayer. Nicol A, et al. **J Cell Sci** 1982 Apr;54:357-72

Cell types associated with fibronectin in long-term mouse bone marrow cultures. Reincke U, et al. **J Histochem Cytochem** 1982 Mar;30(3):235-44

Fibronectin fragment(s) are chemotactic for human peripheral blood monocytes. Norris DA, et al. **J Immunol** 1982 Oct;129(4):1612-8

Fibronectin: review of its structure and possible functions. Mosher DF, et al. **J Invest Dermatol** 1981 Aug;77(2):175-80

The structure of fibronectin and its role in cellular adhesion. Akiyama SK, et al. **J Supramol Struct Cell Biochem** 1981; 16(4):345-8 (101 ref.)

The relationship between C1G depletion and peripheral neutrophil function in rabbits and man. Deitch EA, et al. **J Trauma** 1982 Jun;22(6):469-75

Plasminogen activator, fibronectin, lymphotoxin sensitivity, and natural skin reactivity relationships to guinea pig cell tumorigenicity. McCabe RP, et al. **JNCI** 1982 Feb; 68(2):329-36

Fibronectin in adhesion, spreading and cytoskeletal organization of cultured fibroblasts. Virtanen I, et al. **Nature** 1982 Aug 12;298(5875):660-3

Cell-matrix interactions in development and neoplasia. Ruoslahti E. **Oncodev Biol Med** 1981;2(4):295-303 (74 ref.)

Fibronectin-like protein in Porifera: its role in cell aggregation. Labat-Robert J, et al. **Proc Natl Acad Sci USA** 1981 Oct;78(10):6261-5

Transitions in extracellular macromolecules during avian ocular development. Toole BP. **Prog Clin Biol Res** 1982; 82:17-34 (64 ref.)

Plasma fibronectin and hepatic Kupffer cell function. Saba TM. **Prog Liver Dis** 1982;7:109-31 (122 ref.)

Fibronectin (cold-insoluble globulin): role in defence. Vaheri A. **Schweiz Med Wochenschr** 1980 Oct 4;110(40):1437-40 (69 ref.)

Growth regulation of vessel wall cells and of tumor cells by thrombin, factor XIII and fibronectin [letter] Bruhn HD. **Thromb Haemost** 1981 Dec 23;46(4):762

How much fibrinogen or fibronectin is enough for platelet adhesion? Adams GA, et al. **Trans Am Soc Artif Intern Organs** 1981;27:219-24

SECRETION

Fibronectin from human germ-cell tumors resembles amniotic fluid fibronectin. Ruoslahti E, et al. **Int J Cancer** 1981 Jun 15;27(6):763-7

THERAPEUTIC USE

Clinical response to cold insoluble globulin replacement in a patient with sepsis and thermal injury. Robbins AB, et al. **Am J Surg** 1981 Nov;142(5):636-8

FIBROSARCOMA

Fibroxanthosarcoma of the kidney: report of a case. MacEachern NH, et al. **J Urol** 1981 Nov;126(5):684-5

ANALYSIS

Unintegrated viral DNA sequences in a hamster tumor induced by bovine papilloma virus. Moar MH, et al. **J Virol** 1981 Sep;39(3):945-9

Papilloma virus-induced tumors contain a virus-specific transcript. Freese UK, et al. **Virology** 1982 Feb; 117(1):257-61

CHEMICALLY INDUCED

Tumour induction by carcinogens in iron deficient rats. Webster DJ. **Anticancer Res** 1981;1(5):293-4

Evidence for single-cell origin of 3-methylcholanthrene-induced fibrosarcomas in mice with cellular mosaicism. Tanooka H, et al. **Cancer Res** 1982 May; 42(5):1856-8

Characterization of high- and low-metastatic clones derived from a methylcholanthrene-induced murine fibrosarcoma. Wang N, et al. **Cancer Res** 1982 Mar;42(3):1046-51

[Carcinogenic activity of ethylene oxide and its reaction products 2-chloroethanol, 2-bromoethanol, ethylene glycol and diethylene glycol. I. Carcinogenicity of ethylene oxide in comparison with 1,2-propylene oxide after subcutaneous administration in mice (author's transl)] Dunkelberg H. **Zentralbl Bakteriol Mikrobiol Hyg [B]** 1981 Dec;174(5):383-404 (Eng. Abstr.) **(Ger)**

[Oncogenic activity of polyvinylchloride (author's transl)] Costa V, et al. **Pathologica** 1981 Jan-Feb;73(1023):59-67 **(Ita)**

COMPLICATIONS

Werner's syndrome with associated malignant neoplasms. Hrabko RP, et al. **Arch Dermatol** 1982 Feb;118(2):106-8

Malignant melanoma and dermatofibrosarcoma in a 60-year-old patient with lifelong acrodermatitis enteropathica. Shelley WB. **J Am Acad Dermatol** 1982 Jan; 6(1):63-6

[Renal fibrosarcoma and aortic involvement] Weiser M, et al. **Acta Urol Belg** 1981 Jul;49(3):348-52 (Eng. Abstr.) **(Fre)**

[Mesenchymal tumor associated with hypoglycemia. Study of a case of pleural fibrosarcoma (author's transl)] Garbe L, et al. **Arch Anat Cytol Pathol** 1982;30(2):93-8 (Eng. Abstr.) **(Fre)**

[Complication of renal artery embolization in kidney sarcoma] Kosoi GKh, et al. **Arkh Patol** 1982;44(1):70-2 (Eng. Abstr.) **(Rus)**

CONGENITAL

Congenital fibrosarcoma of the tongue. Zanetti B, et al. **Z Kinderchir** 1982 Jan;35(1):7-8

[A case of so-called congenital fibrosarcoma] Pampaloni A, et al. **Arch De Vecchi Anat Patol** 1981 Dec;64(3):529-35 **(Ita)**

DIAGNOSIS

[Desmoid tumor - transformation into fibrosarcoma (author's transl)] Lowy M, et al. **Dermatologica** 1981;163(1):125-36 (Eng. Abstr.) **(Fre)**

DRUG THERAPY

Decrease in tumour growth by injections of histamine or serotonin in fibrosarcoma-bearing mice: influence of H1 and H2 histamine receptors. Burtin C, et al. **Br J Cancer** 1982 Jan;45(1):54-60

Phase-specific cytotoxicity in vivo of hydroxyurea on murine fibrosarcoma pulmonary nodules. Grdina DJ. **Br J Cancer** 1982 Mar;45(3):438-46

Failure of short-term treatment with flurbiprofen to enhance the therapeutic effect of cyclophosphamide against rodent sarcomas and a leukaemia. Heckford SE, et al. **Br J Cancer** 1982 Jul;46(1):51-7

In vivo assessment of basic 2-nitroimidazole radiosensitizers. Williams MV, et al. **Br J Cancer** 1982 Jul;46(1):127-37

Chlorozotocin (DCNU)--induced pulmonary toxicity. Sordillo EM, et al. **Cancer Clin Trials** 1981 Winter; 4(4):397-9

Receptor-dependent antiproliferative effects of corticosteroids in radiation-induced fibrosarcomas and implications for sequential therapy. Braunschweiger PG, et al. **Cancer Res** 1982 May;42(5):1686-91

Vinblastine, Vincristine and Vindesine: anti-invasive effect on MO4 mouse fibrosarcoma cells in vitro. Mareel MM, et al. **Eur J Cancer Clin Oncol** 1982 Feb;18(2):199-210

Cytotoxic effect of onion extract on mouse fibrosarcoma 180 A cells. Nerkar DP, et al. **Indian J Exp Biol** 1981 Jul; 19(7):598-600

Ultrastructural & fluorescence microscopical observations on the effect of cis-dichloro-diammine platinum (II) on the surface of tumor & normal cells. Sodhi A, et al. **Indian J Exp Biol** 1981 Apr;19(4):328-32

ETIOLOGY

Paget's disease of bone. Ouslander JG, et al. **J Am Geriatr Soc** 1982 Jun;30(6):410-4

FAMILIAL & GENETIC

Mechanisms of syngeneic tumor rejection. Susceptibility of host-selected progressor variants to various immunological effector cells. Urban JL, et al. **J Exp Med** 1982 Feb 1; 155(2):557-73

A transforming gene present in human sarcoma cell lines. Marshall CJ, et al. **Nature** 1982 Sep 9;299(5879):171-3

Induction of fibrosarcoma by rat sarcoma virus. Rasheed S, et al. **Virology** 1982 Apr 15;118(1):219-24

IMMUNOLOGY

The effect of malaria on the growth of two syngeneic transplantable murine tumours. Wedderburn N, et al. **Ann Trop Med Parasitol** 1981 Dec;75(6):597-605

Two anti-tumour cytotoxic cells in the peritoneal cavity of rats: natural occurrence, augmentation and partial characterization. Inoue Y, et al. **Aust J Exp Biol Med Sci** 1982 Feb;60(Pt 1):41-53

Cellular immunity to encephalitogenic peptide in tumour-bearing mice. Yong WK, et al. **Br J Cancer** 1982 May;45(5):754-61

Identification of tumor-associated antigens on ultraviolet light-induced tumors using antitumor antibodies developed in ascites fluid. Fortner GW, et al. **Cancer Res** 1982 Jun; 42(6):2371-4

Suppression of cell-mediated antitumor immunity by complete Freund's adjuvant. Koyama S, et al. **Cancer Res** 1982 Aug;42(8):3215-9

Immunobiological properties of 1-butanol-extracted cell surface antigens. LeGrue SJ, et al. **Cancer Res** 1981 Oct; 41(10):3956-60

Induction of antitumor immunity by tumor cells treated with abrin. Shionoya H, et al. **Cancer Res** 1982 Jul;42(7):2872-6

Inhibition of 7,12-dimethylbenz(a)anthracene-induced tumors in Syrian hamsters by prior infection with H-1 parvovirus. Toolan HW, et al. **Cancer Res** 1982 Jul; 42(7):2552-5

Immunoprophylaxis of transplantable methylcholanthrene-induced murine fibrosarcomas by immunization with embryo cells expressing endogenous murine leukemia virus antigens. Zbar B, et al. **Cancer Res** 1981 Nov;41(11 Pt 1):4499-507

Macrophage activation for tumor cytotoxicity: control of cytotoxic activity by the time interval effector and target cells are exposed to lymphokines. Nakamura RM, et al. **Cell Immunol** 1981 Nov 15;65(1):52-65

Alterations of host resistance to Listeria monocytogenes in tumour-bearing mice and the effect of Corynebacterium parvum. Miyata H, et al. **Immunology** 1981 Oct; 44(2):305-10

In vivo suppression of syngeneic murine fibrosarcoma by macrophages and lymphocytes. Gupta N, et al. **Indian J Med Res** 1982 Apr;75:583-9

The increase of a normally occurring K cell population during progressive tumor growth in mice. Gadol N, et al. **Int Arch Allergy Appl Immunol** 1982;68(2):127-33

Effect of Bacillus Calmette-Guérin cell wall skeleton on the induction of the cytotoxic and suppressor T cells against syngeneic tumor in the mouse. Koyama S, et al. **Int J Cancer** 1981 Jun 15;27(6):829-35

In vitro effects on tumor cells of macrophages isolated from an early-passage chemically-induced murine sarcoma and

from its spontaneous metastases. Mantovani A. **Int J Cancer** 1981 Feb 15;27(2):221–8

Natural antibodies carrying a cross-reactive idiotype enhance tumor growth in the rat. Natori T, et al. **Int J Cancer** 1981 Nov 15;28(5):591–9

Adoptive transfer of immunity induced by semi-allogeneic hybrid cells, against a murine fibrosarcoma. Payelle B, et al. **Int J Cancer** 1981 Jun 15;27(6):783–8

Tumor enhancing T lymphocytes in mice: further studies on characteristics and mechanism of activity. Small M. **Int J Cancer** 1982 Apr 15;29(4):465–9

Dept. of Microbiology, School of Medicine, East Carolina University, Greenville, NC. Gautam SC, et al. **J Cancer Res Clin Oncol** 1981;101(3):265–74

Suppressor cell activity in tumor-bearing mice. III. Co-purification of a factor inhibiting cellular DNA synthesis and DNA polymerase activity. Farrar WL, et al. **J Immunol** 1981 Dec;127(6):2339–44

Effect of murine tumors upon delayed hypersensitivity to dinitrochlorobenzene. III. In vivo activity of the nonspecific suppressor cell. Jessup JM, et al. **J Immunol** 1981 Nov;127(5):2183–7

H-2 restriction of the T cell response to chemically induced tumors: evidence from F1 replaced by parent chimeras. Lannin DR, et al. **J Immunol** 1982 Jan;128(1):263–8

Lymphocyte subpopulations and responsiveness in rats bearing intracranial tumors induced by avian sarcoma virus. Roszman TL, et al. **J Neurosurg** 1981 Oct;55(4):554–9

Low-dose cyclophosphamide inhibition of transplantable fibrosarcoma growth by augmentation of the host immune response. Ray PK, et al. **JNCI** 1981 Dec;67(6):1341–5

Age-related increases in mitogenic responses and natural immunity to a syngeneic fibrosarcoma in rats. Hollingsworth MA, et al. **Mech Ageing Dev** 1981 Sep; 17(1):95–106

Analysis of immunosuppressor cells induced by immunization of solubilized tumor-associated antigens prepared from a rat fibrosarcoma. Minami A. **Nippon Seikeigeka Gakkai Zasshi** 1981 Aug;55(8):779–92

Effects of solid tumors on the resistance of mice to viral and bacterial infections. Bonventre PF, et al. **Proc Soc Exp Biol Med** 1982 Feb;169(2):165–74

A human cell-surface antigen defined by a monoclonal antibody and controlled by a gene on chromosome 12. Andrews PW, et al. **Somatic Cell Genet** 1981 Jul; 7(4):435–43

Specificity of syngeneic monoclonal antibodies against cell surface antigens of chemically induced mouse fibrosarcomas. Klein PA. **Transplant Proc** 1981 Dec; 13(4):1762–4

Heritable differences among gp70-like molecules on C3H ultraviolet light-induced fibrosarcomas. Roman JM, et al. **Transplant Proc** 1981 Dec;13(4):1782–6

Thymus-dependent response: too little and too late for immunosurveillance. Lannin DR, et al. **Transplantation** 1982 Jan;33(1):99–100

Heterogeneity of tumorigenicity phenotype in murine tumors. Characterization of tumor clones isolated from primary 3-methylcholanthrene-induced fibrosarcomas. Schmitt M, et al. **Transplantation** 1982 Apr;33(4):387–92

Inhibitory effects of various oxygenated sterols on the differentiation and function of tumor-specific cytotoxic T lymphocytes. Spangrude GJ, et al. **Transplantation** 1982 May;33(5):482–91

[Cytotoxic natural anti-tumor antibodies against fibrosarcoma and glioma cells in rats (author's transl)] Itaya T. **Hokkaido Igaku Zasshi** 1981 Sep;56(5):499–506 (Eng. Abstr.) **(Jpn)**

METABOLISM

Specific triiodothyronine binding by tumor cells and spleen cells in a thyroid hormone dependent mouse tumor system. Gupta MK, et al. **Eur J Cancer Clin Oncol** 1981 Jul; 17(7):819–23

Differences in spleen suppressor cell content in rats with progressing and regressing tumors. Hollingsworth MA, et al. **JNCI** 1982 Jul;69(1):53–8

CAMP differences between clones of high and low malignant fibrosarcoma cells. Elgebaly S, et al. **Oncology** 1982 May-Jun;39(3):163–6

MICROBIOLOGY

Curing of virus persistent infection in HVJ (sendai virus) carrier hamster tumor cells by transplantation. Ogura H, et al. **Gan** 1981 Aug;72(4):498–503

In vitro curing of persistent infection of HVJ (sendai virus) carrier tumor cells by spleen cells. Ogura H, et al. **Gan** 1981 Aug;72(4):504–11

Morphological study of virus-like particles in two transplantable tumours from BDX rats. Calafat J, et al. **J Gen Virol** 1981 Feb;52(Pt 2):387–90

Identification of a transforming retrovirus from cultured equine dermal fibrosarcoma. Fatemi-Nainie S, et al. **Virology** 1982 Jul 30;120(2):490–4

Extrachromosomal bovine papillomavirus type 1 DNA in hamster fibromas and fibrosarcomas. Pfister H, et al. **Virology** 1981 Dec;115(2):414–8

OCCURRENCE

Superficial fibrous tumors in childhood. Mehregan AH. **J Cutan Pathol** 1981 Oct;8(5):321–34 (56 ref.)

PATHOLOGY

Pathology quiz case 1. Dermatofibrosarcoma protuberans. Hargrove R. **Arch Dermatol** 1982 Jul;118(7):528–30

Improved characterization of healthy and malignant tissue by NMR line-shape relaxation correlations. Peemoeller H, et al. **Biophys J** 1982 Jun;38(3):271–6

Promotion of fibrosarcoma cell growth by products of syngeneic host macrophages. Currie GA. **Br J Cancer** 1981 Oct;44(4):506–13

Invasion of an artificial blood vessel wall by human fibrosarcoma cells. Jones PA, et al. **Cancer Res** 1981 Nov; 41(11 Pt 1):4613–20

Density centrifugation of murine fibrosarcoma cells following in situ labelling with tritiated thymidine. Sigdestad CP, et al. **Cell Tissue Kinet** 1981 Nov;14(6):589–600

Electrostimulation and undetected malignant tumors. Becker RO, et al. **Clin Orthop** 1981 Nov-Dec;(161):336–9

Soft tissue fibrosarcoma. A case report and review of the literature. Silvers SH, et al. **Cutis** 1982 Feb;29(2):195–8

Dermatofibrosarcoma protuberans arising on the hand. Wirman JA, et al. **Hand** 1981 Jun;13(2):187–91

A primary fibrosarcoma of the liver. Bodker A, et al. **Hepatogastroenterology** 1981 Aug;28(4):218–20

Effect of adrenoceptor blockade on hemorrhagic necrosis of meth A sarcomata induced by endotoxin or tumor necrosis serum. Bloksma N, et al. **Immunopharmacology** 1982 Apr;4(2):163–71

Dermatofibrosarcoma protuberans. A discussion and case presentation. Doms SR, et al. **J Am Podiatry Assoc** 1982 Feb;72(2):63–9

Fibrosarcoma of the foot. A case report. Galinski AW, et al. **J Am Podiatry Assoc** 1981 Nov;71(11):631–3

Effect of melatonin on experimental tumors under different photoperiods and times of administration. Bartsch H, et al. **J Neural Transm** 1981;52(4):269–79

Derivation of transplantable 7,12-dimethylbenz[a]anthracene-induced chicken fibrosarcoma lines: differences in metastasizing properties and organ specificity. Galton JE, et al. **JNCI** 1982 Aug; 69(2):535–41

Peptidoglycans extracted from gram-positive bacteria: expression of antitumor activity according to peptide structure and route of injection. Goguel AF, et al. **JNCI** 1982 Apr;68(4):657–63

Phenotypic stability of murine tumor cells in vitro and in vivo. Varani J, et al. **JNCI** 1982 Jun;68(6):957–62

Sarcomas of the lung. Nascimento AG, et al. **Mayo Clin Proc** 1982 Jun;57(6):355–9

Case records of the Massachusetts General Hospital. Weekly clinicopathological exercises. Case 7-1982. A young man with a diagnosis of sarcoidosis and a pulmonary mass. **N Engl J Med** 1982 Feb 18;306(7):412–20

Tumors of the soft tissues. Cytology and growth pattern of fibrosarcomas and related tumors. Escalona-Zapata J. **Pathologica** 1981 Jan-Feb;73(1023):119–22

Fibroxanthosarcoma of kidney. Clinico-pathological study of a case. Volpe R, et al. **Pathologica** 1980 Nov-Dec; 72(1022):869–74

[Rare malignant tumors of the kidney] Wespes E, et al. **Acta Urol Belg** 1981 Jul;49(3):312–7 **(Fre)**

[Unusual lung manifestation in Bourneville-Pringle disease] Sander U, et al. **Med Welt** 1981 Aug 28;32(35):1289–91 **(Ger)**

[Presence of intracellular collagen fibrils in systemic lymph node neoplasms] Bosincu L, et al. **Pathologica** 1980 Sep-Oct;72(1021):653–65 (Eng. Abstr.) **(Ita)**

[Sarcoma and pseudosarcoma of the larynx] Teodorescu L, et al. **Rev Chir [Otorinolaringol]** 1982 Jan-Mar;27(1):1–11 **(Rum)**

[Primary fibrosarcoma of the lung] Denisova OP, et al. **Arkh Patol** 1981;43(10):45–8 (Eng. Abstr.) **(Rus)**

PHYSIOPATHOLOGY

Responses of normal and malignant cells to collagen, collagen-derived peptides and the C5-related tumor cell chemotactic peptide. Wass JA, et al. **Cell Differ** 1981 Dec; 10(6):329–32

RNA:DNA and the enhanced growth of murine fibrosarcoma. Kravetz de Srulijes L, et al. **Cell Mol Biol** 1981;27(5):495–8

Effect of dietary amino acids on tumour growth and cell-mediated immune responses. Bounous G, et al. **Clin Invest Med** 1981;4(2):109–15

Membrane surface properties of normal and malignant cells: partition in aqueous two-polymer phase systems. Sherbet GV, et al. **Exp Cell Biol** 1981;49(5):267–71

Influence of parity status of female mice on growth of a transplantable chemically induced fibrosarcoma. Ray PK, et al. **Indian J Exp Biol** 1981 May;19(5):405–7

Normal and neoplastic human cells have different histone H1 compositions. Tan KB, et al. **J Biol Chem** 1982 May 25;257(10):5337–8

Effects of murine tumors upon delayed hypersensitivity to dinitrochlorobenzene. IV. Inhibition of elicitation of delayed hypersensitivity. Jessup JM, et al. **J Surg Res** 1982 Apr;32(4):322–8

Sensitivity and resistance of human tumor cells to interferon and rIn . rCn. Lin SL, et al. **Nature** 1982 Jun 3; 297(5865):417–9

Nuclear magnetic resonance spin-lattice times of normal and transformed cultured mammalian cells and of normal and neoplastic animal tissues. Raaphorst GP, et al. **Physiol Chem Phys** 1981;13(3):251–8

Increasing metastatic potential is associated with increasing genetic instability of clones isolated from murine neoplasms. Cifone MA, et al. **Proc Natl Acad Sci USA** 1981 Nov;78(11):6949–52

PREVENTION & CONTROL

Cimetidine amplifies the anti-neoplastic effect of Trichinella spiralis in mice. Ruitenberg EJ, et al. **Br J Cancer** 1982 Feb;45(2):314–6

RADIOGRAPHY

Case report 189. Infantile fibrosarcoma (congenital fibrosarcoma-like fibromatosis). Dahlin DC. **Skeletal Radiol** 1982;8(1):77–8

[A case of fibrosarcoma of the kidney] Dossogne M, et al. **Acta Urol Belg** 1981 Jul;49(3):345–7 (Eng. Abstr.) **(Fre)**

RADIOTHERAPY

Effect of X-rays and cyclophosphamide on solid tumors and naturally occurring metastases in mice. Chu AM, et al. **Cancer Res** 1982 May;42(5):1943–9

Protective effects of S-2-(3-aminopropylamino)ethylphosphorothioic acid against radiation damage of normal tissues and a fibrosarcoma in mice. Milas L, et al. **Cancer Res** 1982 May; 42(5):1888–97

Ultraviolet radiation-induced tumors do not arise from a subpopulation of ultraviolet-resistant cells. Fisher MS. **Photochem Photobiol** 1981 Jul;34(1):135–7

SECONDARY

Long-term effects of pulmonary damage in mice on lung weight, compliance, hydroxyproline content and formation of metastases. Dubravsky NB, et al. **Br J Radiol** 1981 Dec; 54(648):1075–80

SURGERY

Primary retroperitoneal sarcomas: the role of surgical treatment. Moore SV, et al. **Am J Surg** 1981 Sep; 142(3):358–61

Radiation-induced soft-tissue fibrosarcoma: surgical therapy and salvage. O'Neil MB Jr, et al. **Ann Thorac Surg** 1982 Jun;33(6):624–8

Recurrent fibrosarcoma of skull: a 35-year surgical odyssey. Landra AP, et al. **Br J Plast Surg** 1981 Oct;34(4):462–3

Function after pelvic tumour resection involving the acetabular ring. Nilsonne U, et al. **Int Orthop** 1982; 6(1):27–33

Fibrosarcoma of the vulva: case reports and discussion. Hall JS, et al. **Int Surg** 1981 Apr-Jun;66(2):185–7

Dermatofibrosarcoma protruberans of the scalp treated by radical excision, immediate cranioplasty, and free groin flap: case report. Lobay GW, et al. **J Neurosurg** 1981 Oct; 55(4):640–2

[Fibrosarcoma of transverse colon mesentery] Gonicki M, et al. **Wiad Lek** 1982 Jan 1;35(1):79–80 **(Pol)**

THERAPY

Possible role of macrophage-like suppressor cells in the anti-tumour activity of BCG. Castés M, et al. **Br J Cancer** 1981 Dec;44(6):828–37

Differential effect of hyperthermia and x-irradiation on regrowth rate and tumour-bed effect for a rat sarcoma. Wheldon TE, et al. **Br J Cancer** 1982 Feb;45(2):265–71

Does the mode of heat induction modify drug anti-tumour effects? Hahn GM. **Br J Cancer [Suppl]** 1982 Mar; 45(5):238–42

Thermal resistance in a spontaneous murine tumour. Maher J, et al. **Br J Radiol** 1981 Dec;54(648):1086–90

Cytotoxic T-cell-mediated antitumor effect of levamisole against murine syngeneic fibrosarcoma. Gomi K, et al. **Cancer Res** 1982 Oct;42(10):4197–202

Pharmacological studies on a plant lectin, Aloctin A. I. Growth inhibition of mouse methylcholanthrene-induced fibrosarcoma (Meth A) in ascites form by Aloctin A. Imanishi K, et al. **Experientia** 1981 Nov 15;37(11):1186–7

Tumoricidal activity of peritoneal exudate cells from rats treated with mitomycin C. Ogura T, et al. **Gan** 1980 Dec; 71(6):920–1

Studies on fractionated hyperthermia in experimental animal systems II. Response of murine tumors to two or more doses. Urano M, et al. **Int J Radiat Oncol Biol Phys** 1982 Feb;8(2):227–33

T cell-mediated immunosuppression as an obstacle to adoptive immunotherapy of the P815 mastocytoma and its metastases. Dye ES, et al. **J Exp Med** 1981 Oct 1; 154(4):1033–42

Regression of a disseminated syngeneic solid tumor by systemic transfer of lymphoid cells expanded in interleukin 2. Eberlein TJ, et al. **J Exp Med** 1982 Aug 1;156(2):385–97

Cyclophosphamide-facilitated adoptive immunotherapy of an established tumor depends on elimination of tumor-induced suppressor T cells. North RJ. **J Exp Med** 1982 Apr 1;155(4):1063–74

An annular focus ultrasonic lens for local hyperthermia treatment of small tumors. Beard RE, et al. **Ultrasound Med Biol** 1982;8(2):177–84

[Antitumoral effect of xenogenic substances in vivo and in

vitro] Munder PG, et al. **Onkologie** 1982 Apr;5(2):98–104 (Eng. Abstr.) **(Ger)**

ULTRASTRUCTURE

A tumor composed of myofibroblasts: an ultrastructural study. Hashimoto K, et al. **Acta Pathol Jpn** 1982 Jul; 32(4):633–40

Dermatofibrosarcoma protuberans and its tissue culture study — ultrastructural, enzyme histochemical and immunological study. Yoshida H, et al. **Acta Pathol Jpn** 1982 Jan;32(1):83–91

Transplantable lines of spontaneous mouse fibrosarcomas. Becker FF, et al. **Vet Pathol** 1982 Mar;19(2):206–9

[Histogenesis of storiform tumors (an electron microscopy study)] Bednář B. **Cesk Patol** 1982 Feb;18(1):1–10 (Eng. Abstr.) **(Cze)**

VETERINARY

Effect of bacille Calmette–Guerin immunotherapy on feline sarcoma virus–induced neoplasms in the cat. Bachman D, et al. **Am J Vet Res** 1982 Mar;43(3):475–80

Pharmacokinetic and anti-tumor studies with the radiosensitizer misonidazole in dogs with spontaneous fibrosarcomas. Creasey WA, et al. **Am J Vet Res** 1982 Jun; 43(6):1015–8

Effects of cytotoxic drugs on cultured equine cells in vitro. Doyle A, et al. **Equine Vet J** 1981 Oct;13(4):251–3

Rn for treatment of periocular fibrous connective tissue sarcomas in the horse. Frauenfelder HC, et al. **J Am Vet Med Assoc** 1982 Feb 1;180(3):310–2

Mixed mesenchymal tumours of the mouse uterus. Sass B. **Lab Anim** 1981 Oct;15(4):365–9

Origin and biological properties of a new feline sarcoma virus. Rasheed S, et al. **Virology** 1982 Feb;117(1):238–44

Tumor and tumor-like swelling. Kunstýř I, et al. **Z Versuchstierkd** 1981;23(2):138–9

FIBROSITIS

see related
MYOFASCIAL PAIN SYNDROMES

Primary fibromyalgia. Yunus M, et al. **Am Fam Physician** 1982 May;25(5):115–21

COMPLICATIONS

Hypothyroidism with presenting symptoms of fibrositis. Wilke WS, et al. **J Rheumatol** 1981 Jul–Aug;8(4):626–31

DIAGNOSIS

Hypothyroidism with presenting symptoms of fibrositis [letter] Trommer PR. **J Rheumatol** 1982 Mar–Apr; 9(2):335–6

Fibrositis [letter] Weinberger LM. **West J Med** 1981 Nov; 135(5):425–6

DRUG THERAPY

[Piroxicam for the therapy of arthritis and rheumatism of the soft tissues (author's transl)] Knüsel O. **Praxis** 1981 Dec 15;70(51):2316–21 (Eng. Abstr.) **(Ger)**

ETIOLOGY

Fibromyalgia or the fibrositis syndrome: a new look. Treadwell BL. **NZ Med J** 1981 Dec 23;94(698):457–9

PATHOLOGY

Nodular (pseudosarcomatous) fasciitis, a nonrecurrent lesion: clinicopathologic study of 134 cases. Bernstein KE, et al. **Cancer** 1982 Apr 15;49(8):1668–78

PHYSIOPATHOLOGY

Primary fibromyalgia (fibrositis): clinical study of 50 patients with matched normal controls. Yunus M, et al. **Semin Arthritis Rheum** 1981 Aug;11(1):151–71

PSYCHOLOGY

Fibrositis and psychologic disturbance. Payne TC, et al. **Arthritis Rheum** 1982 Feb;25(2):213–7

[Generalized fibrositis syndrome and personality: a controlled study (author's transl)] Hell D, et al. **Praxis** 1982 Jun 15; 71(24):1014–21 (Eng. Abstr.) **(Ger)**

FIBROUS DYSPLASIA, MONOSTOTIC see under **FIBROUS DYSPLASIA OF BONE**

FIBROUS DYSPLASIA OF BONE

BLOOD

[Hyperprolactinemia in a patient with McCune-Albright's syndrome (author's transl)] Takada I, et al. **Horumon To Rinsho** 1981 Sep;29(9):1125–9 **(Jpn)**

COMPLICATIONS

Fibroosseous tumors of the facial skeleton in association with primary hyperparathyroidism: an endocrine syndrome or coincidence? Rosen IB, et al. **Am J Surg** 1981 Oct; 142(4):494–8

Enchondromata with annular calcification in association with fibrous dysplasia. Sanerkin NG, et al. **Br J Radiol** 1981 Dec;54(648):1027–33

Chondrosarcoma occurring in a patient with polyostotic fibrous dysplasia. De Smet AA, et al. **Skeletal Radiol** 1981; 7(3):197–201

[A patient with multiple intramuscular myxomas as an extra-osseous manifestation of fibrous dysplasia] Berkhoff WB, et al. **Ned Tijdschr Geneeskd** 1981 Sep 5; 125(36):1460–2 (Eng. Abstr.) **(Dut)**

[Cutaneous manifestations of McCune–Albright syndrome: report of a case (author's transl)] Pierini AM, et al. **Ann Dermatol Venereol** 1981;108(12):969–76 (Eng. Abstr.) **(Fre)**

[Thoracic outlet compression syndrome by tumour of the first rib (author's transl)] Devin R, et al. **Chirurgie** 1981; 107(10):749–54 (Eng. Abstr.) **(Fre)**

[Intermittent amblyopia and diplopia revealing, twenty years later, the presence of an isolated fibrous dysplasia of the cranial bones (author's transl)] Delandsheer E, et al. **Rev Otoneuroophtalmol** 1981 May–Jun;53(3):255–63 (Eng. Abstr.) **(Fre)**

[Malignant transformation of fibrous dysplasia. About a case review of the literature] Bejui-Thivolet F, et al. **Sem Hop Paris** 1982 May 27;58(21):1329–35 (Eng. Abstr.) **(Fre)**

[Albright's syndrome. Report of a case, complicated by pleural effusion and diabetes] Valentino V, et al. **Minerva Med** 1982 Apr 21;73(17):1077–86 (Eng. Abstr.) **(Ita)**

[A case of fibrous dysplasia associated with acromegaly (author's transl)] Shibasaki S, et al. **Horumon To Rinsho** 1981 Aug;29(8):937–41 **(Jpn)**

DIAGNOSIS

Symmetrical fibro–osseous dysplasia of rib—post-traumatic dysplasia? Kandel RA, et al. **Histopathology** 1981 Nov; 5(6):651–8

Monostotic fibrous dysplasia of the cranial bones: report of fourteen cases. Ameli NO, et al. **Neurosurg Rev** 1981; 4(2):71–7

Monostotic fibrous dysplasia of the rib. Minami K, et al. **Nippon Geka Hokan** 1981 May;50(3):516–25

[Unilateral exophthalmos in Albright's dystrophy] Haye C, et al. **Bull Soc Ophtalmol Fr** 1981 Dec;81(12):1123–5 **(Fre)**

[Bone dysplasias of the face. Apropos of 2 cases, one of them in a hard of hearing patient with ossicular malformation] Claux J, et al. **J Fr Otorhinolaryngol** 1981 Oct;30(8):489–91 **(Fre)**

[Albright's syndrome] Zając J, et al. **Pol Tyg Lek** 1981 Aug 31;36(35):1349–51 (Eng. Abstr.) **(Pol)**

FAMILIAL & GENETIC

[Progressive multiple ossifying fibrodysplasia as an example of new dominant mutations (letter)] Czeizel E, et al. **Orv Hetil** 1981 Nov 29;122(48):2987–8 **(Hun)**

HISTORY

'Elephant Man' had more than neurofibromatosis [news] Carswell H. **JAMA** 1982 Sep 3;248(9):1032–3

IMMUNOLOGY

[Relationship between ankylopoietic (Bechterew) spondylitis and HLA B 27 antigen (letter)] Gömör B. **Orv Hetil** 1981 Dec;122(51):3177 **(Hun)**

PATHOLOGY

Fibrous dysplasia: a review of the disease and its manifestations in the temporal bone. Nager GT, et al. **Ann Otol Rhinol Laryngol [Suppl]** 1982 May–Jun;92:1–52

A bizarre manifestation of polyostotic fibrous dysplasia of the facial bones. Robertson GR. **Int J Oral Surg** 1981; 10(Suppl 1):47–51

Electron microscopic studies of fibrous dysplasia. Ohira O. **Nippon Seikeigeka Gakkai Zasshi** 1981 May;55(5):497–507

[Malignant transformation of fibrous dysplasia. About a case, review of the literature (author's transl)] Bejui-Thivolet F, et al. **Arch Anat Cytol Pathol** 1981;29(5):261–7 (Eng. Abstr.) **(Fre)**

PHYSIOPATHOLOGY

Abnormal hypothalamic-pituitary function in polyostotic fibrous dysplasia. Albin J, et al. **Clin Endocrinol (Oxf)** 1981 May;14(5):435–43

RADIOGRAPHY

A variant of fibrous dysplasia (osteofibrous dysplasia). Campbell CJ, et al. **J Bone Joint Surg [Am]** 1982 Feb; 64(2):231–6

McCune–Albright's syndrome. Laditan AA, et al. **J Natl Med Assoc** 1981 Dec;73(12):1154–6

Fibrous dysplasia surrounding a retained root. Nespeca JA. **Oral Surg** 1981 Jul;52(1):110

[Albright's fibrous dysplasia. Evolution of a case] Cigala F, et al. **Chir Organi Mov** 1979 Sep–Oct;65(5):597–600 **(Ita)**

SURGERY

Vascular microsurgery in orthopaedics. Judet H, et al. **Int Orthop** 1981;5(2):61–8

[Osteofibrous dysplasia of the long bones] Boriani S. **Chir Organi Mov** 1978 Nov–Dec;64(6):625–8 **(Ita)**

FIBROUS DYSPLASIA, POLYOSTOTIC see under **FIBROUS DYSPLASIA OF BONE**

FIBULA

Stenosing peroneal tenovaginitis. Case reports. Schweitzer GJ. **S Afr Med J** 1982 Apr 3;61(14):521–3

Case report 161. Klein M, et al. **Skeletal Radiol** 1981; 6(4):307–9

[On theory and practice of congenital pseudarthroses of the lower leg (author's transl)] Blauth W, et al. **Z Orthop** 1981 Feb;119(1):36–53 (123 ref.) (Eng. Abstr.) **(Ger)**

[Isolated dislocation of the head of the fibula (presentation of a case)] Montina S, et al. **Chir Organi Mov** 1981; 66(5):427–30 (Eng. Abstr.) **(Ita)**

ABNORMALITIES

Diplopodia with double fibula and agenesis of tibia. A case report. Narang IC, et al. **J Bone Joint Surg [Br]** 1982; 64(2):206–9

A local outbreak of femoral hypoplasia or aplasia and femoral fibula–ulnar–complex. Robert JM, et al. **J Genet Hum** 1981 Dec;29(4):379–94

Case report 202. Engelmann disease of bone (diaphyseal dysplasia) with bilateral shortened fibulae. Crisp AJ, et al. **Skeletal Radiol** 1982;8(3):239–40

On the functional morphology of normally formed and rachitically deformed human tibiae and fibulae. Asmuth R, et al. **Z Morphol Anthropol** 1981;72(1):23–46

[Hypoplasias of the lower extremities: diagnosis, classification and prognosis] Dal Monte A, et al. **Chir Organi Mov** 1980 Jul–Aug;66(4):423–37 (Eng. Abstr.) **(Ita)**

[Fibrous cord in congenital absence of the fibula] Dedova VD, et al. **Ortop Travmatol Protez** 1981 Sep;(9):24–7 (Eng. Abstr.) **(Rus)**

[Treatment of children with congenital underdevelopment of the fibula] Kostrub AA. **Ortop Travmatol Protez** 1981 Jul;(7):38–41 (Eng. Abstr.) **(Rus)**

[Neonatal neurofibromatosis (author's transl)] Sánchez Badía JL, et al. **An Esp Pediatr** 1981 Apr;14(4):267–71 (Eng. Abstr.) **(Spa)**

BLOOD SUPPLY

Observations of the blood supply to the fibula. Guo F. **Arch Orthop Trauma Surg** 1981;98(2):147–51

Acute infarction of long bones in children with sickle cell anemia. Keeley K, et al. **J Pediatr** 1982 Aug;101(2):170–5

GROWTH & DEVELOPMENT

Roentgen stereophotogrammetric analysis of growth pattern after supination—eversion ankle injuries in children. Kärrholm J, et al. **J Pediatr Orthop** 1982 Mar;2(1):25–37

INJURIES

Diaphyseal fractures of both bones of the lower leg with associated injury of the ankle mortise. Woersdoerfer O, et al. **Arch Orthop Trauma Surg** 1981;98(4):293–6

Beware the 'simple' fibular fracture (a clue for severe unstable ankle injury. Israeli A, et al. **Br J Sports Med** 1981 Dec; 15(4):269–71

Open tibia fracture with compartment syndrome. DeLee JCU, et al. **Clin Orthop** 1981 Oct;(160):175–84

Superior dislocation of the fibular head associated with a tibia fracture. Shelbourne KD, et al. **Clin Orthop** 1981 Oct; (160):172–4

Traumatic instability of the proximal tibiofibular joint. Veth RP, et al. **Injury** 1981 Sep;13(2):159–64

Epiphyseal plate injuries in pediatric ankle traumatology. Harris EJ. **J Foot Surg** 1981 Fall;20(3):145–7

Posttraumatic valgus deformity of the tibia. Herring JA, et al. **J Pediatr Orthop** 1981;1(4):435–9

False aneurysm with arteriovenous fistula of the anterior tibial artery following fracture of the fibula. Snyder LL, et al. **Radiology** 1982 May;143(2):405–6

Arthrographic differential diagnosis between ruptures of the anterior talofibular ligament, the joint capsule and the anterior tibiofibular ligament. van Moppes FI, et al. **ROFO** 1980 Nov;133(5):534–9

[Meduallary nailing of tibia in treatment of shaft of tibia–fibula fracture: analysis of 148 cases (author's transl)] Li HE. **Chung Hua Wai Ko Tsa Chih** 1982 Apr;20(4):234–5 (Eng. Abstr.) **(Chi)**

[Stress fracture of the fibula (author's transl)] Gobelet C. **Praxis** 1981 Dec 22;70(52):2360–3 (Eng. Abstr.) **(Fre)**

[Maisonneuve's fracture (author's transl)] Bröhl F, et al. **Aktuel Traumatol** 1982 Jan;12(1):30–3 (Eng. Abstr.) **(Ger)**

[Secondary intramedullary nailing osteosynthesis in primarily conservative treatment of fractures of tibia and fibula shafts (author's transl)] Siebert H, et al. **Aktuel Traumatol** 1980 Oct;10(5):269–79 (Eng. Abstr.) **(Ger)**

[The fixateur-externe-osteosynthesis without osseous support (external distance-osteosynthesis) in the lower limbs. Biomechanic, surgical and osteoplastic basic principles (author's transl)] Müller KH, et al. **Arch Orthop Trauma Surg** 1981;99(2):117–30 (Eng. Abstr.) **(Ger)**

[Posttraumatic growth disorders of the lower extremity] Jaster D. **Beitr Orthop Traumatol** 1981 Dec;28(12):649–55 (Eng. Abstr.) **(Ger)**

[Therapeutic principles in third degree open fractures of the distal lower leg (author's transl)] Tassler H. **Unfallheilkunde** 1981 Dec;84(12):509–13 (Eng. Abstr.) **(Ger)**

[The proximal fracture of the lower leg in adolescence. Cause and prophylaxis of the posttraumatic genu valgum (author's transl)] von Laer L, et al. **Unfallheilkunde** 1982 Jun; 85(6):215–25 (Eng. Abstr.) **(Ger)**

[Classification of osteosynthesis of diaphyseal fractures of the lower extremity in the treatment of polytraumatized patients] Fischer W, et al. **Z Arztl Fortbild (Jena)** 1981 Feb 1;75(3):119–23 **(Ger)**

[Ambulatory treatment of lower leg fractures in children] Weisser M. **Z Arztl Fortbild (Jena)** 1982 Mar 15;76(6):246–9 **(Ger)**

[Primary suturing of fresh fibular ligament ruptures—technic and results of 500 cases] Grob D, et al. **Z Unfallmed Berufskr** 1981;74(1–2):63–4 **(Ger)**

[Stress fractures of the tibia, fibula and metatarsals—a result of increase in inappropriate strain] Riepenhausen U. **ZFA (Dresden)** 1982;37(2):111–3 **(Ger)**

[Serious errors in the management of fractures of the extremities] Gyulai M. **Magy Traumatol Orthop Helyreallito Sebesz** 1982; 25(2):156–8 **(Hun)**

[Homolateral diaphyseal fractures of the femur and lower leg] Burini M, et al. **Arch Putti Chir Organi Mov** 1980; 30:281–91 (Eng. Abstr.) **(Ita)**

[Therapeutic considerations on infected diaphyseal pseudarthrosis of the leg] Bonicoli F, et al. **Chir Organi Mov** 1978 Nov–Dec;64(6):645–51 (Eng. Abstr.) **(Ita)**

[Treatment of exposed fractures of the leg, using the Hoffman external fixation apparatus] Surace A, et al. **Chir Organi Mov** 1979 Mar–Apr;65(2):135–40 (Eng. Abstr.) **(Ita)**

[Treatment of peritalar ligament injuries complicating fractures of the distal fibula] Kamiński J, et al. **Chir Narzadow Ruchu Ortop Pol** 1981;46(1):9–12 (Eng. Abstr.) **(Pol)**

[Pathomechanisms of ligament injuries in fractures of the distal fibula] Skowroński J, et al. **Chir Narzadow Ruchu Ortop Pol** 1981;46(1):5–8 (Eng. Abstr.) **(Pol)**

[Serum properdin and sialic acid levels in fractures of the lower limbs] Beliakov AA, et al. **Ortop Travmatol Protez** 1981 Aug;(8):21–4 (Eng. Abstr.) **(Rus)**

[Radon baths in the complex treatment of fractures of the long bones] Kaplii AN. **Ortop Travmatol Protez** 1981 Oct; (10):47–50 (Eng. Abstr.) **(Rus)**

[Percutaneous osteosynthesis with compressing pins in oblique and spiral fractures of the crural bones in children] Rakov NA, et al. **Ortop Travmatol Protez** 1982 Apr;(4):42 **(Rus)**

[Surgical treatment of injuries to the tibiofibular syndesmosis] Seiukov IN. **Ortop Travmatol Protez** 1981 Nov;(11):46–7 **(Rus)**

[Osteosynthesis with the Ilizarov apparatus in open and closed diaphyseal fractures of the leg] Trubnikov VF, et al. **Ortop Travmatol Protez** 1982 Jan;(1):21–4 (Eng. Abstr.) **(Rus)**

[Treatment of open and gunshot diaphyseal fractures of the bones of the leg] Trubnikov VF, et al. **Ortop Travmatol Protez** 1982 Apr;(4):5–8 **(Rus)**

[New developments in treating malleolar fractures and injuries to the inferior tibiofibular articulation] Edinak AN, et al. **Vestn Khir** 1981 Jul;127(7):122–4 **(Rus)**

[Treatment of closed injuries of the talocrural joint] Nikitin GD, et al. **Vestn Khir** 1982 Apr;128(4):91–5 **(Rus)**

PATHOLOGY

Epiphyseal extension of an aneurysmal bone cyst. McCarthy SM, et al. **J Pediatr Orthop** 1982 Jun;2(2):171–5

PHYSIOLOGY

The role of the lateral malleolus as a stabilizing factor of the ankle joint: preliminary report. Segal D, et al. **Foot Ankle** 1981 Jul;2(1):25–9

[Compensatory and stabilizing motions of the fibula] Reimann R, et al. **Acta Anat (Basel)** 1982;112(3):233–41 (Eng. Abstr.) **(Ger)**

PHYSIOPATHOLOGY

[Mechanical behavior of the tibio-fibular aspects of genu varum and valgum] Wagner J, et al. **Acta Orthop Belg** 1982 Jan–Feb;48(1):57–92 **(Fre)**

RADIOGRAPHY

Telangiectatic osteosarcoma simulating the appearance of an aneurysmal bone cyst. Kaufman RA, et al. **Pediatr Radiol** 1981;11(2):102–4

Case report 201. Primary lymphoma of bone (PLB)—left fibula. Rodman D, et al. **Skeletal Radiol** 1982;8(3):235–7

[Technic and diagnostic value of so-called stress x-rays in injuries of the fibular ligaments (author's transl)] Börner M, et al. **Unfallchirurgie** 1982 Apr;8(2):99–104 (Eng. Abstr.) **(Ger)**

[Total involvement of the lower limb in melorheostosis] Levitskiĭ FA, et al. **Ortop Travmatol Protez** 1981 Aug; (8):51–2 **(Rus)**

SURGERY

Partial fibulectomy for ununited fractures of the tibia. DeLee JC, et al. **J Bone Joint Surg [Am]** 1981 Dec;63–A(9):1390–5

[Tibio–fibular graft as a treatment of non–union of the tibia (author's transl)] Vidal J, et al. **Rev Chir Orthop** 1982; 68(2):123–32 (Eng. Abstr.) **(Fre)**

[Tibio–peroneal osteotomy in arthrosis of the knee] Cozzolino F, et al. **Chir Organi Mov** 1978 Nov–Dec;64(6):617–23 **(Ita)**

[Results of surgical thickening, modeling and leg elongation under ambulatory conditions] Ilizarov GA, et al. **Ortop Travmatol Protez** 1981 Oct;(10):23–6 **(Rus)**

[Correlation of the biomechanical and functional characteristics of soft tissue after crural bone lengthening by the Ilizarov method] Shchurov VA, et al. **Ortop Travmatol Protez** 1981 Oct;(10):30–4 (Eng. Abstr.) **(Rus)**

TRANSPLANTATION

Application of free autogenous fibular graft in the treatment of aggressive bone tumours of the distal end of the radius. Salenius P, et al. **Arch Orthop Trauma Surg** 1981; 98(4):285–7

Fibular bone grafting for non union of fracture of the neck of the femur. Dooley BJ, et al. **Aust NZ J Surg** 1982 Apr; 52(2):134–40

Vascular microsurgery in orthopaedics. Judet H, et al. **Int Orthop** 1981;5(2):61–8

Congenital pseudarthrosis of the forearm–two cases treated by free vascularized fibular graft. Allieu Y, et al. **J Hand Surg** 1981 Sep;6(5):475–81

Free vascularized fibular graft for replacement of the radius after excision of giant cell tumor: case report. Okada T, et al. **J Microsurg** 1981 Fall;3(1):48–53

Treatment of congenital pseudoarthrosis of the tibia by a free vascularized fibular graft: case report. Usami F, et al. **J Microsurg** 1981 Fall;3(1):40–7

FICIN see under **PEPTIDE PEPTIDOHYDROLASES**

FICOLL see under **POLYSACCHARIDES**

FICUSIN see under **PSORALENS**

FIELD DEPENDENCE-INDEPENDENCE

Field dependence and the differentiation of affective states. Parkes KR. **Br J Psychiatry** 1981 Jul;139:52–8

Field dependence and the factor structure of the General Health Questionnaire in normal subjects. Parkes KR. **Br J Psychiatry** 1982 Apr;140:392–400

Consistency of field dependence in treated alcoholics. Danahy S, et al. **Int J Addict** 1981 Oct;16(7):1271–5

Cognitive style, personality traits, and treatment attrition among alcoholics. O'Leary MR, et al. **Int J Addict** 1981 Oct;16(7):1143–8

Suggestibility and cognitive style: a brief communication. Bergerone C, et al. **Int J Clin Exp Hypn** 1981 Oct; 29(4):355–7

Field dependence–independence and dental students' clinical performance. Suddick RP, et al. **J Dent Educ** 1982 Apr; 46(4):227–32

Relationship of disembedding ability to performance in volleyball, tennis, and badminton. Docherty D, et al. **Percept Mot Skills** 1982 Jun;54(3 Pt 2):1219–24

Relationship between field–dependence/independence and personality in older adult females. Panek PE. **Percept Mot Skills** 1982 Jun;54(3):811–4

Correlations of scores on embedded figures and mirror tracing with preclinical technique grades and PMAT scores of dental students. Wilson S, et al. **Percept Mot Skills** 1981 Aug;53(1):31–5

FIGURAL AFTEREFFECT

Interocular transfer of a visual aftereffect in different kinds of strabismus. Buzzelli AR. **Am J Optom Physiol Opt** 1981 Dec;58(12):1199–206

Duration of visible persistence in relation to range of spatial frequencies. Di Lollo V, et al. **J Exp Psychol [Hum Percept]** 1981 Aug;7(4):754–69

Motion aftereffect transfer in the monofixation syndrome. Price RL, et al. **J Pediatr Ophthalmol Strabismus** 1982 Mar–Apr;19(2):69–74

Perceptual reactance as a function of short- and long-term stimulation. Hartnett J, et al. **Percept Mot Skills** 1981 Aug; 53(1):338

Peripheral movement, induced movement, and aftereffects from induced movement. Reinhardt–Rutland AH. **Perception** 1981;10(2):173–82

PHYSIOLOGY

A study of interocular transfer of spatial adaptation. Bjørklund RA, et al. **Perception** 1981;10(5):511–8

Reply to Harris and Potts: interocular transfer of color–contingent motion aftereffects can lead to positive aftereffects [letter] Favreau OE. **Vision Res** 1981; 21(5):751–2

Interocular transfer of the motion after–effect is not reduced by binocular rivalry. O'Shea RP, et al. **Vision Res** 1981; 21(6):801–4

Shifts in perceived periodicity induced by temporal modulation and their influence on the spatial frequency tuning of two aftereffects. Parker A. **Vision Res** 1981; 21(12):1739–47

FILARIASIS

[International Colloquium on Onchocerciasis and other Human Filariases. 12–12–1980 — 13–12–1980] **Ann Soc Belg Med Trop** 1981 Jun;61(2):145–337 **(Fre)**

[A live intraocular parasite (author's transl)] Hubel K, et al. **Klin Monatsbl Augenheilkd** 1981 Dec;179(6):413–4 (Eng. Abstr.) **(Ger)**

BLOOD

Electrophoretic pattern of serum proteins in filaria cases in coal mines area. Dutta SN, et al. **J Commun Dis** 1980 Jun; 12(2):78–81

[Choice of a direct diagnostic technic for filariasis] Pividal Grana JA, et al. **Rev Cubana Med Trop** 1981 Sep–Dec; 33(3):210–4 (Eng. Abstr.) **(Spa)**

COMPLICATIONS

The nephrotic syndrome associated with filariasis. Yap HK, et al. **Ann Acad Med Singapore** 1982 Jan;11(1):60–3

Tropical eosinophilia. Spry CJ, et al. **Semin Hematol** 1982 Apr;19(2):107–15 (100 ref.)

[Clinical analysis of 109 cases of loaiasis (author's transl)] Sun JC. **Chung Hua I Hsueh Tsa Chih** 1981 May; 61(5):284–6 (Eng. Abstr.) **(Chi)**

[Aseptic filarial monoarthritis of the knee (letter)] Daragon A, et al. **Rev Rhum Mal Osteoartic** 1982 Jan;49(1):76–7 **(Fre)**

[Case of onchocerciasis in combination with streptocerciasis in a Soviet specialist returning from Equatorial Guinea] Mikhaĭlova VA, et al. **Med Parazitol (Mosk)** 1981 Sep–Oct; 50(5):59–62 **(Rus)**

[Myocardiopathy in a patient with loaiasis. Presentation of a case] de la Herrán Herrera A, et al. **Rev Cubana Med Trop** 1981 Sep–Dec;33(3):201–6 (Eng. Abstr.) **(Spa)**

DIAGNOSIS

Cytologic detection of parasitic disorders. Kapila K, et al. **Acta Cytol (Baltimore)** 1982 May–Jun;26(3):359–62

Filariasis: a case history. Crowner R, et al. **Am J Med Technol** 1981 Jul;47(7):569–70

Immunodiagnosis of bancroftian filariasis: comparative efficiency of the indirect hemagglutination test, indirect fluorescent antibody test, and enzyme–linked immunosorbent assay done with Wuchereria bancrofti microfilarial antigens. Kaliraj P, et al. **Am J Trop Med Hyg** 1981 Sep;30(5):982–7

African eye worm (Loa loa) in a tourist. Farrer WE, et al. **Ann Ophthalmol** 1981 Oct;13(10):1177–9

Eosinophil leucocytic reactions from diethylcarbamazine in filariasis. Gustavson–Moringlane IL, et al. **Ann Trop Med Parasitol** 1981 Dec;75(6):615–21

Acute manifestations of male genital filariasis in Enugu, Nigeria. Nwafo DC, et al. **Ann Trop Med Parasitol** 1981 Jun;75(3):323–8

Antibody determination in the diagnosis of Wuchereria bancrofti infection in man. Dissanayake S, et al. **Bull WHO** 1981;59(5):753–7

Detection & diagnostic utility of exoantigen of Wuchereria bancrofti microfilariae. Kharat I, et al. **Indian J Exp Biol** 1981 Jun;19(6):564–5

Comparative study of thick smear examination and membrane filter technique in parasitological diagnosis of bancroftian filariasis. Narasimham MV, et al. **J Commun Dis** 1981 Sep; 13(3):204–6

Comparison of counter–immunoelectrophoresis with other tests in the diagnosis of bancroftian filariasis. Rifaat MA, et al. **J Egypt Soc Parasitol** 1981 Jun;11(1):163–6

Detection of filarial antibodies in Malayan and Bancroftian filariasis by the indirect fluorescent antibody test, using different filarial antigens. Au AC, et al. **Southeast Asian J Trop Med Public Health** 1982 Mar; 13(1):142–7

Evaluation of the diethylcarbamazine provocative test in the diagnosis of Wuchereria bancrofti infections in the Nigerian savanna and the effects on Dipetalonema perstans. Wijeyaratne PM, et al. **Trans R Soc Trop Med Hyg** 1982; 76(3):387–91

The examination—time/dose interval in the provocation of nocturnally periodic microfilariae of Wuchereria bancrofti with diethylcarbamazine and the practical uses of the test. McMahon JE. **Tropenmed Parasitol** 1982 Mar;33(1):28–30

[Filariasis] Basset A. **Rev Med Suisse Romande** 1982 Jan; 102(1):53–4 **(Fre)**

[Two observations of Loa loa filariasis. Value of the diethylcarbamazine test (author's transl)] Garnier C, et al. **Sem Hop Paris** 1981 Oct 8–15;57(37–38):1535–6 (Eng. Abstr.) **(Fre)**

[Loaiasis. Clinical aspects and therapy in the field of

dermatology] Krautheim H. **Med Welt** 1982 Jun 11; 33(23):837–9 **(Ger)**

[Differentiation diagnosis of pulmonary tuberculosis and filariasis] Tiukhtin NS, et al. **Probl Tuberk** 1981 Oct; (10):67–9 **(Rus)**

DRUG THERAPY

The long term effects of repeated diethylcarbamazine administration with special reference to microfilaraemia and elephantiasis. Partono F, et al. **Acta Trop (Basel)** 1981 Sep;38(3):217–25

Methodology of experimental chemotherapy of lymphatic filariasis. Denham DA. **Ann Soc Belg Med Trop** 1981 Jun; 61(2):269–72

Lymphatic and other filariases. Duke BO. **Br Med J [Clin Res]** 1981 Oct 17;283(6298):1036–7

Effects of diethylcarbamazine treatment of Brugia malayi microfilaria carriers. Rao CK, et al. **Indian J Med Res** 1981 Jan;73 Suppl:87–92

Chemotherapy of filariasis. Chen SN. **Int J Zoonoses** 1981 Dec;8(2):111–4

Wuchereria bancrofti infections in Egypt and their treatment with diethylcarbamazine. Atta NA, et al. **J Egypt Soc Parasitol** 1982 Jun;12(1):41–50

Evaluation of the therapeutic effect of diethylcarbamazine (Hetrazan) in Bancroftian filariasis using various techniques in Upper Egypt. Makhlouf LM, et al. **J Egypt Soc Parasitol** 1981 Dec;11(2):373–9

Litomosoides carinii infection in cotton-rats: evolution of microfilaraemia before and after treatment with diethylcarbamazine and suramin. Carme B, et al. **Trans R Soc Trop Med Hyg** 1981;75(3):418–20

Antifilarial activity of mebendazole and flubendazole on Breinlia booliati. Mak JW. **Trans R Soc Trop Med Hyg** 1981;75(2):306–7

Chemotherapy with spaced doses of diethylcarbamazine preceded by levamisole on Bancroftian filariasis. Temu SE, et al. **Trans R Soc Trop Med Hyg** 1981;75(6):835–7

Ascending paralysis associated with diethylcarbamazine treatment of M. loa loa infection. Stanley SL Jr, et al. **Trop Doct** 1982 Jan;12(1):16–9

Chemotherapy with diethylcarbamazine and levamisole in Bancroftian filariasis. McMahon JE. **Tropenmed Parasitol** 1981 Dec;32(4):250–2

[Experimental therapy of filariasis with furapyrimidone (author's transl)] Xi YR, et al. **Chung Kuo Yao Li Hsueh Pao** 1980 Sep;1(1):56–60 (Eng. Abstr.) **(Chi)**

[Chemotherapeutic studies of filariasis—synthesis of 5-nitro-2-furyl-vinyl derivatives and their related compounds (author's transl)] Yan M, et al. **Yao Hsueh Hsueh Pao** 1981 Dec;16(12):902–13 (Eng. Abstr.) **(Chi)**

[Mass chemotherapy with spaced doses of diethylcarbamazine: effects in Tahiti on microfilaraemia due to Wuchereria bancrofti var. pacifica] Laigret J, et al. **Bull WHO** 1980;58(5):779–83 (Eng. Abstr.) **(Fre)**

[Dipetalonema dessetae in Proechimys oris. II. Evaluation of the model for pharmacologic investigations of antifilarial chemotherapy (author's transl)] Gayral P, et al. **J Pharmacol** 1982 Jan-Mar;13(1):49–63 (Eng. Abstr.) **(Fre)**

ETIOLOGY

Loa loa among American naturalists. **MMWR** 1981 Oct 2; 30(38):479–80

FAMILIAL & GENETIC

Familial predisposition to filarial infection—not linked to HLA-A or-B locus specificities. Ottesen EA, et al. **Acta Trop (Basel)** 1981 Sep;38(3):205–16

IMMUNOLOGY

Specific hypo-responsive granulomatous tissue reactions in Brugia pahangi-infected jirds. Klei TR, et al. **Acta Trop (Basel)** 1981 Sep;38(3):267–76

Serum immunoglobulin and antibody levels and the passive transfer of resistance in hamsters infected with Dipetalonema viteae. Neilson JT, et al. **Acta Trop (Basel)** 1981 Sep;38(3):309–18

Effect of treatment with diethylcarbamazine on immune responses to filarial antigens in patients infected with Brugia malayi. Piessens WF, et al. **Acta Trop (Basel)** 1981 Sep; 38(3):227–34

Effects of presensitization on the development of lymphatic lesions in Brugia pahangi-infected jirds. Klei TR, et al. **Am J Trop Med Hyg** 1982 Mar;31(2):280–91

Regulation of the prevalence and severity of filariasis: immunity or ecology? Grove DI. **Ann Acad Med Singapore** 1981 Jan;10(1):120–31 (85 ref.)

Lymphatic filariasis in humans: an immunologic maze. Piessens WF. **Ann Intern Med** 1981 Dec;95(6):778–9

Some observations on immunological status and immunodiagnosis in Bancroftian filariasis. Saxena KC, et al. **Biochem Soc Trans** 1981 Dec;9(6):531–3

Human eosinophils and parasitic diseases. II. Characterization of two cell fractions isolated at different densities. De Simone C, et al. **Clin Exp Immunol** 1982 Apr;48(1):249–55

Enhanced adhesion of rat neutrophils to Litomosoides carinii microfilariae in the presence of culture supernatants from mitogen-stimulated lymph node cells. Hopper KE, et al. **Clin Exp Immunol** 1981 Sep;45(3):633–41

IgE antibodies are more species-specific than IgG antibodies in human onchocerciasis and lymphatic filariasis. Weiss N, et al. **Immunology** 1982 Jan;45(1):129–37

Assay of E and EAC rosette forming peripheral lymphocytes in human bancroftian filariasis. Gajanana A, et al. **Indian J Med Res** 1981 Jan;73 Suppl:97–106

Antibody response to TAB vaccine in human filariasis—a preliminary communication. Srivastava VK, et al. **Indian J Med Res** 1981 Oct;74:524–6

Rodent and bovine filarial antigens in detection of antibodies in human bancroftian filariasis by ELISA. Tandon A, et al. **Indian J Med Res** 1981 Jan;73 Suppl:93–6

Sequential determination of circulating immune complexes in experimental filariasis. Karavodin LM, et al. **Infect Immun** 1981 Oct;34(1):105–10

Observations on bancroftian filariasis in Wardha, Central India. Subrahmanyam M. **J Assoc Physicians India** 1981 Sep;29(9):721–4

Leucocytic agglutination using Litomosoides carenii cuticular antigen and the serum of bancroftian filariasis. Abdel-Magied SA. **J Egypt Soc Parasitol** 1981 Jun; 11(1):167–70

IgE responses in human filariasis. I. Quantitation of filaria-specific IgE. Hussain R, et al. **J Immunol** 1981 Oct; 127(4):1623–9

Identification and characterization of excretory-secretory products of Brugia malayi, adult filarial parasites. Kaushal NA, et al. **J Immunol** 1982 Jul;129(1):338–43

Soluble Brugia malayi microfilarial antigens protect mice against challenge by an antibody-dependent mechanism. Kazura JW, et al. **J Immunol** 1982 Apr;128(4):1792–6

Naturally occurring blocking antibodies modulate immediate hypersensitivity responses in human filariasis. Ottesen EA, et al. **J Immunol** 1981 Nov;127(5):2014–20

Microfilaremia and antibody responses in CBA/H and CBA/N mice following injection of microfilariae of Brugia malayi. Thompson JP, et al. **J Parasitol** 1981 Oct; 67(5):728–30

Antigen-specific suppressor T lymphocytes in human lymphatic filariasis. Piessens WF, et al. **N Engl J Med** 1982 Jul 15;307(3):144–8

Inhibition of adherence and cytotoxicity by circulating immune complexes formed in experimental filariasis. Karavodin LM, et al. **Parasite Immunol** 1982 Jan;4(1):1–12

Detection of circulating antigens and immune complexes in feline and human lymphatic filariasis. Au AC, et al. **Southeast Asian J Trop Med Public Health** 1981 Dec; 12(4):492–8

Serum microfilarial antibody titres before and after treatment of bancroftian microfilaraemia with diethylcarbamazine. Grove DI. **Southeast Asian J Trop Med Public Health** 1981 Dec;12(4):487–91

Immune responses in human Brugia malayi infections: serum dependent cell-mediated destruction of infective larvae in vitro. Sim BK, et al. **Trans R Soc Trop Med Hyg** 1982; 76(3):362–70

Demonstration of antibodies to phosphoglucomutase of parasitic origin in Brugia pahangi-infected cats. Au AC, et al. **Z Parasitenkd** 1982;67(2):237–43

[Recent advances and current trends in the immunology of filariases] Ambroise-Thomas P, et al. **Ann Soc Belg Med Trop** 1981 Jun;61(2):311–8 **(Fre)**

OCCURRENCE

Issues in filariasis—a century of enquiry and a century of failure. Nelson GS. **Acta Trop (Basel)** 1981 Sep; 38(3):197–204

Filariasis in Colombia: presence of Dipetalonema perstans in the Comisaría del Guainía. Kozek WJ, et al. **Am J Trop Med Hyg** 1982 May;31(3 Pt 1):486–9

Mansonella ozzardi in Haiti. III. A comparison of the sensitivity of four sampling methods in detecting infections. Raccurt C, et al. **Am J Trop Med Hyg** 1982 Mar;31(2):275–9

Filariasis in Southeast Asia. Mak JW. **Ann Acad Med Singapore** 1981 Jan;10(1):112–9 (73 ref.)

The epidemiology and control of Brugian filariasis in South East Asia : an update. Ramachandran CP. **Ann Soc Belg Med Trop** 1981 Jun;61(2):257–68

Studies on the transmission and prevalence of Bancroftian filariasis in four coastal villages of Tanzania. McMahon JE, et al. **Ann Trop Med Parasitol** 1981 Aug;75(4):415–31

Decline in brugian filariasis in hill tribe settlements of Kerala. Chandrasekharan A, et al. **Indian J Med Res** 1981 Jan;73 Suppl:82–6

A filariasis survey in Pondicherry villages. Rajagopalan PK, et al. **Indian J Med Res** 1981 Jan;73 Suppl:73–7

Prevalence and incidence rates of microfilaraemia and filaria disease in the East Godavari district of Andhra Pradesh. Rao CK, et al. **Indian J Med Res** 1982 Jan;75:23–7

Seasonal variation in microfilaraemia (bancrofti) density and filaria disease. Ravindranathan TC, et al. **J Commun Dis** 1980 Jun;12(2):73–7

Disappearance of some Brugia malayi foci from Madhya Pradesh, Orissa and Tamil Nadu and co-existence of Malayan and Bancroftian filariasis in some pockets. Russel S, et al. **J Commun Dis** 1980 Dec;12(4):183–7

The incidence and clinical picture of filariasis and the rate of infectivity of mosquitoes in Giza and Sharkia Governorates, A.R.E. Mohamed NH, et al. **J Egypt Soc Parasitol** 1981 Jun;11(1):131–5

Seroepidemiology of bancroftian filariasis in the Seychelles Islands. Nuti M, et al. **Tropenmed Parasitol** 1982 Mar; 33(1):25–7

[Epidemiological observations on the treatment and control of filariasis in Fujian Province (author's transl)] Liu XJ. **Chung Hua Yu Fang I Hsueh Tsa Chih** 1981 May; 15(3):158–60 **(Chi)**

[Epidemiology and pathology of loaiasis] Fain A. **Ann Soc Belg Med Trop** 1981 Jun;61(2):277–85 **(Fre)**

[Epidemiology of Bancroft's filariasis in Africa, Asia and Oceania] Hamon J. **Ann Soc Belg Med Trop** 1981 Jun; 61(2):233–55 **(Fre)**

[Epidemiological study of bancroftian filariasis in the Logone Valley (North Cameroon) (author's transl)] Ripert C, et al. **Med Trop (Mars)** 1982 Jan-Feb;42(1):59–66 (Eng. Abstr.) **(Fre)**

[Prevalence and periodicity of Bancroft's filaria in diurnal blood from the population of Batey Ocho (Central Barahona), Dominican Republic] Vargas M, et al. **Bol Asoc Med PR** 1981 Oct;73(10):497–502 (Eng. Abstr.) **(Spa)**

PARASITOLOGY

Microfilaria in bone marrow aspirate: a case report. Rani S, et al. **Acta Cytol (Baltimore)** 1981 Jul-Aug;25(4):425–9

Filarial infections of Mastomys natalensis and their relevance for experimental chemotherapy. Sänger I, et al. **Acta Trop (Basel)** 1981 Sep;38(3):277–88

The number and distribution of Brugia pahangi in cats at different times after a primary infection. Suswillo RR, et al. **Acta Trop (Basel)** 1982 Jun;39(2):151–6

Successful development of Brugia pahangi in T-cell deprived CBA mice. Suswillo RR, et al. **Acta Trop (Basel)** 1981 Sep; 38(3):305–8

Microfilariae of Mansonella ozzardi in human skin biopsies. Ewert A, et al. **Am J Trop Med Hyg** 1981 Sep;30(5):988–91

Experimental transmission of subperiodic Wuchereria bancrofti to the leaf monkey (Presbytis melalophos), and its periodicity. Sucharit S, et al. **Am J Trop Med Hyg** 1982 May;31(3 Pt 1):599–601

Induction of resistance to filarial infections. Subrahmanyam D. **Biochem Soc Trans** 1981 Dec;9(6):533

Low density microfilaremia of Wuchereria bancrofti infections in pre- and post-treatment phases in the Philippines. Shibuya T, et al. **Jpn J Exp Med** 1981 Apr; 51(2):133–5

The susceptibility of leaf monkeys to bancroftian filariasis in Thailand. Harinasuta C, et al. **Southeast Asian J Trop Med Public Health** 1981 Dec; 12(4):581–9

Evaluation of inbred strains of hamsters as hosts for Brugia malayi [letter] Crandall CA, et al. **Trans R Soc Trop Med Hyg** 1982;76(2):277

Electron microscopic studies on microfilariae of Dipetalonema viteae and Litomosoides carinii: the occurrence of intracellular parasites after treatment with metrifonate or diethylcarbamazine. Mehlhorn H, et al. **Zentral Bakteriol Mikrobiol Hyg [A]** 1981 Dec; 251(2):263–72

[Fluctuations affecting the measurement of microfilaremia (author's transl)] Pichon G, et al. **Bull Soc Pathol Exot Filiales** 1981 Sep-Oct;74(5):525–32 (Eng. Abstr.) **(Fre)**

[Types of filariasis] Arutiunov VD, et al. **Arkh Patol** 1981; 43(5):32–6 (Eng. Abstr.) **(Rus)**

PATHOLOGY

Filarial granuloma of the female breast: a histopathological study of 131 cases. Chen Yuehan, et al. **Am J Trop Med Hyg** 1981 Nov;30(6):1206–10

The ferret (Mustela putorius furo) as an experimental host for Brugia malayi and Brugia pahangi. Crandall RB, et al. **Am J Trop Med Hyg** 1982 Jul;31(4):752–9

PREVENTION & CONTROL

Control measures against Bancroftian filariasis in coastal villages in Tanzania. Kolstrup N, et al. **Ann Trop Med Parasitol** 1981 Aug;75(4):433–51

Impact of control measures on prevalence and incidence of bancroftian filariasis in East Godavari district (Andhra Pradesh). Rao CK, et al. **Indian J Med Res** 1982 Apr; 75:515–20

Effect of diethylcarbamazine medicated common salt on Wuchereria bancrofti prophylaxis. Rao PK, et al. **J Commun Dis** 1980 Dec;12(4):205–9

Vaccination of Jirds, Meriones unguiculatus, against Litomosoides carinii and Brugia pahangi using irradiate larvae of L. carinii. Storey DM, et al. **Tropenmed Parasitol** 1982 Mar;33(1):23–4

[Field surveillance in the areas with filariasis nearly eradicated (author's transl)] **Chung Hua Yu Fang I Hsueh Tsa Chih** 1981 Jul;15(4):236–7 **(Chi)**

[Follow-up survey on the long-term effects of hetrazan medicated salt in the control of Malayi filariasis (author's transl)] **Chung Hua Yu Fang I Hsueh Tsa Chih** 1981 Jul; 15(4):234–5 **(Chi)**

[Why must filariases be fought?] Fain A. **Ann Soc Belg Med Trop** 1981 Jun;61(2):145–54 **(Fre)**

[Wuchereria bancrofti human aperiodic filariasis in French territory of Wallis and Futuna (author's transl)] Fauran

P, et al. **Med Trop (Mars)** 1981 Nov-Dec;41(6):665-9 (Eng. Abstr.) **(Fre)**

SURGERY

Loiasis: a case report. Vermeer BJ, et al. **Acta Derm Venereol (Stockh)** 1982;62(1):78-9

Lymphovenous anastomosis in filarial lymphedema. Jamal S. **Lymphology** 1981 Jun;14(2):64-8

THERAPY

Present situation of filariasis in China. Zhong HL, et al. **Chin Med J [Engl]** 1981 Sep;94(9):567-84

[Treatment of filariases in a hospital setting. Complications - results] Gentilini M, et al. **Ann Soc Belg Med Trop** 1981 Jun;61(2):319-26 **(Fre)**

TRANSMISSION

Epidemiological studies on bancroftian filariasis in East Godavari District (Andhra Pradesh) : entomological aspects. Rao CK, et al. **J Commun Dis** 1981 Jun;13(2):81-91

Culicid species in Sharkyia Governorate. Kaschef AH, et al. **J Egypt Soc Parasitol** 1982 Jun;12(1):115-24

Types of mosquitoes in Giza Governorate in reference to filaria. Mohamed NH, et al. **J Egypt Soc Parasitol** 1981 Dec;11(2):441-51

Laboratory transmission of Brugia pahangi by nulliparous Aedes aegypti (Diptera: Culicidae). Klowden MJ, et al. **J Med Entomol** 1981 Sep;18(5):383-5

Imported filariasis in Pakistan. Aslamkhan M, et al. **Trans R Soc Trop Med Hyg** 1981;75(6):869-71

Ingestion and development of Wuchereria bancrofti in Culex quinquefasciatus, Anopheles gambiae and Aedes aegypti after feeding on humans with varying densities of microfilariae in Tanzania. McGreevy PB, et al. **Trans R Soc Trop Med Hyg** 1982;76(3):288-96

Bancroftian filariasis in coastal North Trinidad, West Indies: intensity of transmission by Culex quinquefasciatus. Nathan MB. **Trans R Soc Trop Med Hyg** 1981;75(5):721-30

The maximum density of anopheline mosquitoes that can be permitted in the absence of continuing transmission of filariasis. Webber RH, et al. **Trans R Soc Trop Med Hyg** 1981;75(4):499-506

[Intake of microfilariae by the vector in the case of a low microfilareamia (author's transl)] Petit G, et al. **Ann Parasitol Hum Comp** 1982;57(1):73-8 (Eng. Abstr.) **(Fre)**

VETERINARY

Parafilaria bovicola (Tubangui 1934) in cattle: epizootiology-Vector studies and experimental transmission of Parafilaria bovicola to cattle. Bech-Nielsen S, et al. **Am J Vet Res** 1982 Jun;43(6):948-54

Parafilaria bovicola (Tubangui 1934) in cattle: epizootiology-disease occurrence. Bech-Nielsen S, et al. **Am J Vet Res** 1982 Jun;43(6):945-7

Observation on infestation with Acanthocheilonema perstans in Macaca fascicularis. Panaitescu M. **Arch Roum Pathol Exp Microbiol** 1982 Jan-Mar;41(1):85-9

Stephanofilariasis in cattle. Johnson SJ, et al. **Aust Vet J** 1981 Sep;57(9):411-3

Tenosynovitis caused by Pelecitus calamiformis (Nematoda: Filarioidea) in the legs of a parrot. Greve JH, et al. **Avian Dis** 1982 Apr-Jun;26(2):431-6

Brugia-type microfilariae in the Madras tree shrew Anathana ellioti (Waterhouse). Nandi NC. **J Helminthol** 1982 Jun; 56(2):93-4

FILARICIDES see under **ANTHELMINTICS**

FILARIOIDEA

Survey for heartworm, Dirofilaria immitis, and Dipetalonema reconditum (Nematoda:Filarioidea) in dogs from Virginia and North Carolina. Falls RK, et al. **Am J Vet Res** 1982 Apr;43(4):738-9

Infection of Aedes aegypti with Brugia pahangi administered by enema: results of quantitative infection and loss of infective larvae during blood feeding. Klowden MJ. **Trans R Soc Trop Med Hyg** 1981;75(3):354-8

[Fluctuations affecting the measurement of microfilaremia (author's transl)] Pichon G, et al. **Bull Soc Pathol Exot Filiales** 1981 Sep-Oct;74(5):525-32 (Eng. Abstr.) **(Fre)**

ANATOMY & HISTOLOGY

Brugia-type microfilariae in the Madras tree shrew Anathana ellioti (Waterhouse). Nandi NC. **J Helminthol** 1982 Jun; 56(2):93-4

New hosts of Waltonella malayensis Petit and Yen, 1979. Mak JW, et al. **Southeast Asian J Trop Med Public Health** 1981 Dec; 12(4):617-8

[Redescription of the infective stage of the filaria Parafilaria bovicola : close relationships between this genus and the Thelazia (author's transl)] Bain O. **Ann Parasitol Hum Comp** 1981;56(5):527-30 (Eng. Abstr.) **(Fre)**

[Ornithofilaria mavis (Leiper 1909) Gönnert, 1937 in blackbird (Turdus merula L.) in Poland] Okulewicz A. **Wiad Parazytol** 1981;27(4-5):669-71 **(Pol)**

CLASSIFICATION

Identification of some common infective filarial larvae in Malaysia. Yen PK, et al. **J Helminthol** 1982 Mar; 56(1):69-80

DRUG EFFECTS

The effect of 5-fluorouracil and 5-fluorocytosine on the development of the filarial nematodes Brugia pahangi and Dirofilaria immitis. Howells RE, et al. **Acta Trop (Basel)** 1981 Sep;38(3):289-304

The effect of levamisole on glycogen synthase and the metabolism of Litomosoides carinii. Komuniecki PR, et al. **J Parasitol** 1982 Apr;68(2):221-7

Effect of diethylcarbamazine on Microfilariae of Brugia malayi in the jird, Meriones unguiculatus. Tanaka H, et al. **Jpn J Exp Med** 1981 Jun;51(3):195-6

A diffusion chamber technique for detecting compounds with clinical prophylactic activity against Brugia pahangi. Court JP. **Tropenmed Parasitol** 1982 Jun;33(2):83-6

Efficacy of the avermectins against filarial parasites: a short review. Campbell WC. **Vet Res Commun** 1982 May; 5(3):251-62 (19 ref.)

ENZYMOLOGY

Glycosyl transferase activity in homogenates of adult Dirofilaria immitis. Comley JC, et al. **Mol Biochem Parasitol** 1982 Jan;5(1):19-31

Thymidine kinase activity and thymidine salvage in adult Brugia pahangi and Dirofilaria immitis. Jaffe JJ, et al. **Mol Biochem Parasitol** 1982 Jun;5(6):361-70

Inhibition of NADP-linked malic enzyme from Onchocerca volvulus and Dirofilaria immitis by suramin. Walter RD, et al. **Mol Biochem Parasitol** 1981 Nov;4(1-2):53-60

Filarial enzymes by the horizontal starch-gel electrophoresis technique. Lim HH, et al. **Southeast Asian J Trop Med Public Health** 1981 Dec; 12(4):513-7

GROWTH & DEVELOPMENT

The development of Dirofilaria immitis in cultured malpighian tubules. Devaney E. **Acta Trop (Basel)** 1981 Sep;38(3):251-60

Successful development of Brugia pahangi in T-cell deprived CBA mice. Suswillo RR, et al. **Acta Trop (Basel)** 1981 Sep; 38(3):305-8

In vitro development of Dirofilaria immitis microfilariae: selection of culture media and serum levels. Sneller VP, et al. **Int J Parasitol** 1982 Jun;12(2-3):233-8

Sequential development changes in microfilariae of subperiodic Brugia malayi to infective larvae in susceptible strain of Aedes aegypti (Macdonald). Murthy PK, et al. **J Commun Dis** 1981 Jun;13(2):102-9

In vitro cultivation of microfilaria of Dirofilaria immitis. Ramanna BC, et al. **J Commun Dis** 1980 Jun;12(2):95-7

Comparative susceptibility of sterilized and genetically-defined strains of Aedes aegypti to Dirofilaria repens. Sharma VP, et al. **J Commun Dis** 1981 Mar; 13(1):17-25

The infectivity of microfilariae of Brugia pahangi of different ages to Aedes aegypti. de Hollanda JC, et al. **J Helminthol** 1982 Jun;56(2):155-7

Development of Tetrapetalonema llewellyni to the infective stage in Culicoides hollensis. Yates JA, et al. **J Parasitol** 1982 Apr;68(2):293-6

Susceptibility of the autogenous group of the Aedes scutellaris complex of mosquitoes to infection with Brugia malayi and Brugia pahangi. Trpis M. **Tropenmed Parasitol** 1981 Sep;32(3):184-8

IMMUNOLOGY

Specific hypo-responsive granulomatous tissue reactions in Brugia pahangi-infected jirds. Klei TR, et al. **Acta Trop (Basel)** 1981 Sep;38(3):267-76

Immunogenicity of homogenates of the developmental stages of Litomosoides carinii in albino rats. Mehta K, et al. **Acta Trop (Basel)** 1981 Sep;38(3):319-24

Effect of treatment with diethylcarbamazine on immune responses to filarial antigens in patients infected with Brugia malayi. Piessens WF, et al. **Acta Trop (Basel)** 1981 Sep; 38(3):227-34

Effects of presensitization on the development of lymphatic lesions in Brugia pahangi-infected jirds. Klei TR, et al. **Am J Trop Med Hyg** 1982 Mar;31(2):280-91

Complement-mediated adherence of cells to microfilariae of Brugia malayi. Piessens WF, et al. **Am J Trop Med Hyg** 1982 Mar;31(2):297-301

Dirofilaria immitis. VI. Antimicrofilarial immunity in experimental filariasis. Weil GJ, et al. **Am J Trop Med Hyg** 1982 May;31(3 Pt 1):477-85

IgE-dependent cellular adhesion and cytotoxicity to Litomosoides carinii microfilariae--nature of effector cells. Mehta K, et al. **Clin Exp Immunol** 1982 May;48(2):477-84

Sequential determination of circulating immune complexes in experimental filariasis. Karavodin LM, et al. **Infect Immun** 1981 Oct;34(1):105-10

Leucocytic agglutination using Litomosoides carenii cuticular antigen and the serum of bancroftian filariasis. Abdel-Magied SA. **J Egypt Soc Parasitol** 1981 Jun; 11(1):167-70

IgE responses in human filariasis. I. Quantitation of filaria-specific IgE. Hussain R, et al. **J Immunol** 1981 Oct; 127(4):1623-9

Microfilaremia and antibody responses in CBA/H and CBA/N mice following injection of microfilariae of Brugia malayi. Thompson JP, et al. **J Parasitol** 1981 Oct; 67(5):728-30

Transplacental transfer of rodent microfilariae induces antigen-specific tolerance in rats. Haque A, et al. **Nature** 1982 Sep 23;299(5881):361-3

Reaginic and hemagglutinating antibody production in dogs infected with Dirofilaria immitis. Hayasaki M. **Nippon Juigaku Zasshi** 1982 Feb;44(1):63-70

Inhibition of adherence and cytotoxicity by circulating immune complexes formed in experimental filariasis. Karavodin LM, et al. **Parasite Immunol** 1982 Jan;4(1):1-12

Detection of filarial antibodies in Malayan and Bancroftian filariasis by the indirect fluorescent antibody test, using different filarial antigens. Au AC, et al. **Southeast Asian J Trop Med Public Health** 1982 Mar; 13(1):142-7

Ultrastructure of antibody-dependent cell-mediated destruction of Brugia malayi infective larvae in vitro. Sim BK. **Southeast Asian J Trop Med Public Health** 1981 Dec; 12(4):618-9

Observations on the immune response of Aedes trivittatus against Dirofilaria immitis. Christensen BM. **Trans R Soc Trop Med Hyg** 1981;75(3):439-43

Shared antigens between Litomosoides carinii and its hosts Sigmodon hispidus and Mastomys natalensis. Court JP, et al. **Tropenmed Parasitol** 1981 Sep;32(3):161-4

Vaccination of Jirds, Meriones unguiculatus, against Litomosoides carinii and Brugia pahangi using irradiate larvae of L. carinii. Storey DM, et al. **Tropenmed Parasitol** 1982 Mar;33(1):23-4

Demonstration of antibodies to phosphoglucomutase of parasitic origin in Brugia pahangi-infected cats. Au AC, et al. **Z Parasitenkd** 1982;67(2):237-43

[Immunological response of dogs to Dirofilaria immitis infection (author's transl)] Hayasaki M, et al. **Nippon Juigaku Zasshi** 1981 Dec;43(6):909-14 (Eng. Abstr.) **(Jpn)**

ISOLATION & PURIFICATION

Filariasis in Southeast Asia. Mak JW. **Ann Acad Med Singapore** 1981 Jan;10(1):112-9 (73 ref.)

In vitro cultures of infective-stage larvae of Dirofilaria immitis and Brugia pahangi. Wong MW, et al. **Ann Trop Med Parasitol** 1982 Apr;76(2):239-41

Disappearance of some Brugia malayi foci from Madhya Pradesh, Orissa and Tamil Nadu and co-existence of Malayan and Bancroftian filariasis in some pockets. Russel S, et al. **J Commun Dis** 1980 Dec;12(4):183-7

Pulmonary nodule caused by Dirofilaria immitis in a laboratory rabbit (Oryctolagus cuniculus domesticus). Narama I, et al. **J Parasitol** 1982 Apr;68(2):351-2

Comparison of the blood film, Millipore filter and Nuclepore filter techniques for the detection of microfilaremia in a field survey in the Philippines. Shibuya T, et al. **Jpn J Exp Med** 1980 Dec;50(6):463-8

Oswaldofilaria medemi n. sp. (Nematoda: Filarioidea), from the smooth-fronted caiman, Paleosuchus trigonatus from Colombia. Marinkelle CJ. **Rev Biol Trop** 1981 Jul; 29(1):5-10

Armigeres subalbatus incriminated as an important vector of the dog heartworm Dirofilaria immitis and the bird Cardiofilaria in urban Kuala Lumpur. Cheong WH, et al. **Southeast Asian J Trop Med Public Health** 1981 Dec; 12(4):611-2

Evaluation of inbred strains of hamsters as hosts for Brugia malayi [letter] Crandall CA, et al. **Trans R Soc Trop Med Hyg** 1982;76(2):277

Techniques for concentration and identification of microfilariae from peripheral blood [letter] Denham DA. **Trans R Soc Trop Med Hyg** 1982;76(1):132

Combination of techniques for concentration and identification of microfilariae from peripheral blood. Feldmeier H, et al. **Trans R Soc Trop Med Hyg** 1981; 75(2):251-3

METABOLISM

The uptake in vitro of monosaccharides, disaccharide and nucleic acid precursors by adult Dirofilaria immitis. Chen SN, et al. **Ann Trop Med Parasitol** 1981 Jun;75(3):329-34

Isoprenoid biosynthesis in adult Brugia pahangi and Dirofilaria immitis. Comley JC, et al. **J Parasitol** 1981 Oct; 67(5):609-16

PARASITOLOGY

The epidemiology and control of Brugian filariasis in South East Asia : an update. Ramachandran CP. **Ann Soc Belg Med Trop** 1981 Jun;61(2):257-68

PHYSIOLOGY

The number and distribution of Brugia pahangi in cats at different times after a primary infection. Suswillo RR, et al. **Acta Trop (Basel)** 1982 Jun;39(2):151-6

Brugia malayi microfilariae from the peritoneal cavity of jirds vary in their ability to penetrate the mosquito midgut. Schrater AF, et al. **Am J Trop Med Hyg** 1982 Mar; 31(2):292-6

Induction of resistance to filarial infections. Subrahmanyam D. **Biochem Soc Trans** 1981 Dec;9(6):533

Periodicity of microfilariae of human filariasis analysed by a trigonometric method (Aikat and Das). Tanaka H. **Jpn J Exp Med** 1981 Apr;51(2):97–103

[Experiments in vitro with Litomosoides carinii (Nematoda: Filarioidea) II. Influence of different sera on the release of microfilariae and experiments on the readiness for copulation of the worms (author's transl)] Illgen B. **Z Parasitenkd** 1982;67(2):227–36 (Eng. Abstr.) **(Ger)**

ULTRASTRUCTURE

Effect of immune serum on Brugia malayi microfilaria: ultra structural observations. Aiyar S, et al. **Southeast Asian J Trop Med Public Health** 1982 Mar; 13(1):100–4

Scanning electron microscope study of adult Brugia malayi. Franz M, et al. **Tropenmed Parasitol** 1982 Mar;33(1):17–22

A case of dirofilariasis in man (subgenus Nochtiella): a scanning electron microscope study. Franz M, et al. **Tropenmed Parasitol** 1982 Mar;33(1):31–2

Electron microscopic studies on microfilariae of Dipetalonema viteae and Litomosoides carinii: the occurrence of intracellular parasites after treatment with metrifonate or diethylcarbamazine. Mehlhorn H, et al. **Zentral Bakteriol Mikrobiol Hyg [A]** 1981 Dec; 251(2):263–72

FILARIOIDEA INFECTIONS see **FILARIASIS**

FILES AND FILING

A surgeon's system for filing medical literature. Girardet R. **J Ky Med Assoc** 1982 Feb;80(2):82–4

Why not file in family folders? Aylett MJ. **J R Coll Gen Pract** 1981 Aug;31(229):500

A reference file for small animal practices. Schindler RL. **VM SAC** 1981 Jul;76(7):982

[File and registration systems in a gastroenterological laboratory] Burhol PG, et al. **Tidsskr Nor Laegeforen** 1981 Nov 10;101(31):1767–70 (Eng. Abstr.) **(Nor)**

METHODS

A system for filing hospital infection control literature. Jacobson JT, et al. **Am J Infect Control** 1982 May; 10(2):60A–2A

A personal filing system for medical literature. St. Clair HD. **Del Med J** 1982 May;54(5):295–7

System for filing urologic literature. Seal GM. **Urology** 1981 Nov;18(5):473–7

FILIPIN see under **POLYENES**

FILM BADGE DOSIMETRY see **FILM DOSIMETRY**

FILM DOSIMETRY

The gamma-radiation response of blue cellophane films under controlled humidity conditions. Gehringer P, et al. **Int J Appl Radiat Isot** 1982 Jan;33(1):27–32

[Problems of occupational exposure to X-rays (author's transl)] Jankowski J. **Pol Przegl Radiol** 1981 Nov–Dec; 45(6):369–72 **(Pol)**

INSTRUMENTATION

Computed response of Kodak NTA dosimeter for moderated neutron spectra. Massand OP, et al. **Health Phys** 1982 Feb; 42(2):226–30

Diacel as a high exposure gamma-ray dosimeter. Ram S, et al. **Health Phys** 1982 Jan;42(1):80–1

Application of fission track detectors to californium-252 neutron dosimetry in tissue near the radiation source. Oswald RA, et al. **Med Phys** 1981 May–Jun;8(3):292–301

METHODS

Use of photographic film to estimate exposure near TMI. Shuping R. **Health Phys** 1981 Jul;41(1):195–9

FILM, X-RAY see **X-RAY FILM**

FILTRATION

Effect of glass wool filtration on ultrastructure of human spermatozoa. Sherman JK, et al. **Fertil Steril** 1981 Nov; 36(5):643–7

RBC destruction caused by a micropore blood filter. Schmidt WF 3d, et al. **JAMA** 1982 Oct 1;248(13):1629–32

Clinical results of suprarenal placement of the Greenfield vena cava filter. Stewart JR, et al. **Surgery** 1982 Jul; 92(1):1–4

Effect of air filtration on respiratory disease in intensively housed veal calves. Pritchard DG, et al. **Vet Rec** 1981 Jul 4;109(1):5–9

INSTRUMENTATION

The penetration of dust through porous foam filter media. Gibson H, et al. **Ann Occup Hyg** 1981;24(2):205–15

Platelet aggregation during and after cardiopulmonary bypass: effect of two different cardiotomy filters. Ware JA, et al. **Ann Thorac Surg** 1982 Aug;34(2):204–6

Greenfield vena caval filter experience: late results in 156 patients. Greenfield LJ, et al. **Arch Surg** 1981 Nov; 116(11):1451–6

Aerosol and air filter therapy. Chai H, et al. **Bull NY Acad Med** 1981 Sep;57(7):568–71

The Kimray–Greenfield vena cava filter: a case of unusual misplacement. Allen HA, et al. **Cardiovasc Intervent Radiol** 1982;5(2):82–4

Design and application of finite impulse response digital filters. Miller TR, et al. **Eur J Nucl Med** 1982;7(1):22–7

The liquid barrier filter--a new concept to eliminate particulate contaminants from gases. Seufert WD, et al. **Health Phys** 1982 Feb;42(2):209–16

The use of filters to reduce the potential alpha-energy due to radon daughters in the cabs of mining vehicles. Zettwoog P, et al. **Health Phys** 1982 Jan;42(1):85–9

'The sliding plug'. **Indian J Pathol Microbiol** 1981 Apr; 24(2):iv–v

Use of nasal filters in naso-bronchial allergy. Pasricha JS. **Indian J Pediatr** 1981 Jan–Feb;48(390):47–50

Air-borne contamination hazard in open heart surgery. Efficiency of HEPA air filtration and laminar flow. Soots G, et al. **J Cardiovasc Surg (Torino)** 1982 Mar–Apr; 23(2):155–62

The testing of HEPA filters fitted to microbiological safety cabinets: a comparison of methods. Lach VH, et al. **J Hosp Infect** 1981 Dec;2(4):385–8

A micropower filter for rejection of monophasic and biphasic artefact and noise. Colson RH. **J Med Eng Technol** 1981 Sep;5(5):248–9

CSF cytology and microbiology using a new in-vivo filter technique. Talekar SV. **J Neurosci Methods** 1980 Feb; 2(1):107–8

A comparative study on the performance of asbestos-free depth-filters for removal of pyrogens from infusion fluids. Baggerman C, et al. **J Pharm Pharmacol** 1981 Nov; 33(11):685–91

Use of a tungsten filter to improve beam uniformity. Chu JC, et al. **Med Phys** 1981 Jul–Aug;8(4):520–2

Transvenous filter for pulmonary embolism. Lepore AA, et al. **NY State J Med** 1981 Oct;81(11):1645–51

Use of a guide wire snare for placement of vena cava filters. Natu SS, et al. **Radiology** 1982 Aug;144(3):641–3

Doppler ultrasound estimation of bubble removal by various arterial line filters during extracorporeal circulation. Semb BK, et al. **Scand J Thorac Cardiovasc Surg** 1982;16(1):55–62

Performance of filtered sump wound drainage tubes. Spengler MD, et al. **Surg Gynecol Obstet** 1982 Mar; 154(3):333–6

Removal of leukocytes from blood by fibre filtration. A comparison study on the performance of two commercially available filters. Reesink HW, et al. **Vox Sang** 1982; 42(6):281–8

[A temporary transcutaneous filter for the inferior vena cava for the prevention of pulmonary embolism] Beránek I, et al. **Rozhl Chir** 1981 Sep;60(9):644–8 (Eng. Abstr.) **(Cze)**

[Lumbar spondylodiscitis after insertion of a Mobin-Uddin caval 'umbrella' filter (author's transl)] Herbiere P, et al. **Nouv Presse Med** 1981 Dec 12;10(45):3715–6 (Eng. Abstr.) **(Fre)**

[Micropore filters for preventing venous air embolism during infusions (author's transl)] Krier C, et al. **Anasth Intensivther Notfallmed** 1982 Feb;17(1):58–61 (Eng. Abstr.) **(Ger)**

[Practical and dependable sample extraction on filter paper for the determination of glucose in capillary blood] Dickgiesser A, et al. **Med Lab (Stuttg)** 1981;34(6):143–7 **(Ger)**

[Surface dose reduction achieved by means of a lead glass filter in case of teletherapy with Co 60 radiation (author's transl)] Schrader R. **Strahlentherapie** 1981 Oct; 157(10):662–6 (Eng. Abstr.) **(Ger)**

[Prevention of pulmonary embolism by vena cava filter of Mobin-Uddin (author's transl)] Milano S, et al. **G Ital Cardiol** 1981;11(12):2144–8 **(Ita)**

[Device for filtering liquids in small volumes] Kienia AI. **Lab Delo** 1981;(12):751 **(Rus)**

METHODS

Clinical experience with vena caval filters in high-risk cancer patients. Cantelmo NL, et al. **Cancer** 1982 Jul 15; 50(2):341–4

Energy-selective filtration of dental x-ray beams. Gelskey DE, et al. **Oral Surg** 1981 Nov;52(5):565–7

[Gravimetric method of determining petroleum vapors in the air] Krajewski J, et al. **Med Pr** 1981;32(1):17–23 (Eng. Abstr.) **(Pol)**

FILUM TERMINALE see **CAUDA EQUINA**

FIMBRIAE, BACTERIAL see **PILI, BACTERIAL**

FINANCIAL AUDIT see under **ACCOUNTING**

FINANCIAL MANAGEMENT

see related
INCOME

The great budget and New Federalism debates. Verville RE. **AANA J** 1982 Apr;50(2):169–72

Drug-use review and risk management. Keys PW. **Am J Hosp Pharm** 1981 Oct;38(10):1533–4

Safety in the clinical laboratory. Shotwell HP. **Am J Med Technol** 1982 Jan;48(1):61–3

The distinction between cost and charges. Finkler SA. **Ann Intern Med** 1982 Jan;96(1):102–9

Learning budget game is key to your success as an OR manager. Zoeter MA. **AORN J** 1982 Jul;36(1):26–8

Specialty budgeting in the new district health authorities. Edwards M, et al. **Br Med J [Clin Res]** 1981 Sep 12; 283(6293):741–3

Opting out: the spectre of overdue accounts. Powers G. **Can Med Assoc J** 1981 Jul 15;125(2):207–8

The role of the specialist in community medicine with a special interest in capital development. Telford SB. **Community Med** 1981 Aug;3(3):244–8

Leases. Segal RM. **Dent Clin North Am** 1981 Oct; 25(4):627–36

A second look at cost control. Barstow J. **Dimens Health Serv** 1982 Jun;59(6):15–6

Risk management vs. infection control committees. Birnbaum D. **Dimens Health Serv** 1981 Dec;58(12):16–7, 19

Improving financial comparisons among dietary departments. Clemence E. **Dimens Health Serv** 1981 Jul;58(7):12–3

Workplace inspections: a vital part of your safety program. MacHattie L. **Dimens Health Serv** 1982 Apr;59(4):26–7

We disapprove of fund-raising based on stigmatization [editorial] **Hansenol Int** 1980 Dec;5(2):89–92 **(Eng, Por)**

Financial barriers to closure: a case study. Cleverley WO. **Health Care Manage Rev** 1982 Summer;7(3):67–78

Budgeting in the nursing services area: management control, political and witchcraft uses. Covaleski MA, et al. **Health Care Manage Rev** 1981 Summer;6(3):17–24

Determinants of hospital casemix complexity. Becker ER, et al. **Health Serv Res** 1981 Winter;16(4):439–58

Cost of capital, target rate of return, and investment decision making. Copeland R, et al. **Health Serv Res** 1981 Fall; 16(3):335–41

Hospital leases land in exchange for medical office building. **Hospitals** 1981 Nov 16;55(22):85–6

Management company offers hospitals benefits of voluntary and investor-owned sectors. **Hospitals** 1982 Feb 16; 56(4):44, 47

Evaluating emergency group physicians. **Hospitals** 1982 Jun 16;56(12):40, 42, 46

Grantsmanship plan can enhance hospitals' fund-raising activities. Anderson J. **Hospitals** 1981 Oct 1;55(19):36, 38

Give-and-take sessions ease budget tensions, improve communications. Asbury J. **Hospitals** 1982 Jun 1;56(11):49

Capital planning model involves medical staff in budget process. Carpenter WW, et al. **Hospitals** 1982 Jun 1; 56(11):30, 32

Survey and recommendations point to need for improving financial management education in graduate health administration programs. Hepner JO, et al. **Hospitals** 1982 Mar 16;56(6):91–2

Departmental input helps stabilize budget. Rose C. **Hospitals** 1982 Feb 1;56(3):39, 48–9

Four crucial forces must be considered for success of occupational health programs [interview] Smith M. **Hospitals** 1981 Nov 1;55(21):38–9

Joint collection program cuts fees. Waldman M. **Hospitals** 1981 Sep 1;55(17):50

Return on equity in the hospital industry: requirement or windfall? Cleverley WO. **Inquiry** 1982 Summer;19(2):150–9

Optimal pricing of hospital services. Dittman DA, et al. **Inquiry** 1981 Winter;18(4):311–21

Bankrupting America: the impact of President Reagan's military budget. Anderson JR. **Int J Health Serv** 1981; 11(4):623–9

On the political economy of risk: farmworkers, pesticides, and dollars. Strigini P. **Int J Health Serv** 1982;12(2):263–92

Budgetary influences on psychiatric care. Ginsberg GM. **Isr J Psychiatr Relat Sci** 1981;18(4):327–30

Bankruptcies among dentists. Council on Dental Practice, Bureau of Economic and Behavioral Research. **J Am Dent Assoc** 1982 Jan;104(1):65–7

The financial aid administrator's role in the survival of dental schools in the 1980s. Dennis MJ. **J Dent Educ** 1982 Feb; 46(2):74–7

Improved quality controls in hospitals: a necessity. Skillicorn SA. **J Leg Med (Chicago)** 1981 Dec;2(4):471–89

Sources of construction funds in teaching hospitals, 1979. Eng M. **J Med Educ** 1981 Oct;56(10):869–71

Managing medical malpractice risk via system science. Grose VL. **J Med Syst** 1982 Feb;6(1):89–103

Faced with federal budget cuts, school of medicine studies alternatives [interview by Charles L. Mathews and Patsy Silver] Nelson NC. **J Miss State Med Assoc** 1981 Jul; 22(7):181–3

Decentralized budgeting: holding the purse strings, Part 2. Althaus JN, et al. **J Nurs Adm** 1982 Jun;12(6):34–8

The nursing director's role in money management. Rotkovitch R. **J Nurs Adm** 1981 Nov–Dec;11(11–12):13–6

Variance analysis: a tool for cost control. Wellever A. **J Nurs Adm** 1982 Jul–Aug;12(7–8):23–6

Private management of public hospitals: the California experience. Shonick W, et al. **J Public Health Policy** 1982 Jun;3(2):182–204

Quality assurance & risk management in Maryland hospitals in the 1980s. Mulholland JH, et al. **Md State Med J** 1982 Apr;31(4):60–2

Business perspectives: how to make the cash flow faster. Moscatello E. **Nurse Pract** 1982 Feb;7(2):36–7

Business perspectives: taking advantage of IRAs. Moscatello E. **Nurse Pract** 1982 Apr;7(4):20, 34
Taxes: retaining options and controlling liability. Gaines J. **NY State Dent J** 1982 Feb;48(2):108–9
Risk management. Post RS. **Ohio State Med J** 1981 Nov; 77(11):645–7
Dividing group practice income. Beck LC, et al. **Penn Med** 1982 Apr;85(4):62–8
Accounts receivable management—an overview. **Top Health Care Financ** 1982 Spring;8(3):1–5
Back office functions of the billing process. **Top Health Care Financ** 1982 Spring;8(3):33–56
Outpatient front office functions. **Top Health Care Financ** 1982 Spring;8(3):25–31
Inpatient front office functions. **Top Health Care Financ** 1982 Spring;8(3):7–24
Accounts receivable management. Clarkin JF, et al. **Top Health Care Financ** 1982 Spring;8(3):1–71

ECONOMICS

Supplemental nursing services: how much do hospitals really pay? Prescott PA. **Am J Nurs** 1982 Aug;82(8):1208–13
Medical care as a risk-avoidance procedure: underwriting the cost of care in the UK. Roberts CJ **Br Med J [Clin Res]** 1982 Sep 11;285(6343):751, 754–5
Hospitals use lease-purchase of equipment as cash alternative. Hogg JR. **Forum (Wash)** 1981 Aug;5(3):10–3
Consultation-liaison psychiatry and funding. Why can't alice find wonderland? Fenton BJ, et al. **Gen Hosp Psychiatry** 1981 Sep;3(3):255–60
How management contracts can affect hospital finances. Wheeler JR, et al. **Inquiry** 1982 Summer;19(2):160–6
Cleansing by contract — the Southend experience. Clarke BT. **R Soc Health J** 1982 Apr;102(2):83–6
Leasing with particular reference to cleansing vehicles. Sharman PB. **R Soc Health J** 1982 Apr;102(2):79–82

LEGISLATION & JURISPRUDENCE

Take three giant steps—backwards: some thoughts on impending budget cuts and their impact on occupational therapy. Hightower-Vandamm MD. **Am J Occup Ther** 1981 Aug;35(8):493–8
The Federal budget [editorial] **J Public Health Policy** 1981 Sep;2(3):198–200
Government regulation of the hospital industry in Colorado. Rice D. **J Public Health Policy** 1981 Mar;2(1):58–69
Budget reconciliation: the new legislative process. Lawton SE. **N Engl J Med** 1981 Nov 19;305(21):1297–300
Legislative symposium 1981: health and the budget. Broyhill JT. **NC Med J** 1982 Feb;43(2):124–9
Practice management: legal, financial, installing details of computer use. Anders GT, et al. **Penn Med** 1982 Mar; 85(3):49–52

METHODS

Drug-use review and risk management: another view [letter] Tremblay J. **Am J Hosp Pharm** 1982 Apr;39(4):578–80
Your accounts. Working abroad. Hepburn PF. **Br J Hosp Med** 1982 Feb;27(2):185–6
You and your accountant. Finger AD. **Dent Clin North Am** 1981 Oct;25(4):637–45
The full service bank. Spolan HS. **Dent Clin North Am** 1981 Oct;25(4):647–59
A management strategy for prospective case-based payment. Connor RA. **Health Care Manage Rev** 1981 Fall;6(4):57–63
Medical center offers employees alternative fund-raising campaign. **Hospitals** 1982 Apr 16;56(8):60
Cost-shifting will mean profit-shift — to hospitals' loss columns. **Hospitals** 1982 Jul 1;56(13):34
Well-planned program credited with drop in malpractice claims. Boone CW. **Hospitals** 1982 Apr 1;56(7):37
Cost committee uses multidepartment approach to weigh budget strategies. Carey CR. **Hospitals** 1982 May 1; 56(9):39–40, 42
What to buy and how to get it: the cash flow factor. Dickerson JF. **Hospitals** 1982 Jan 16;56(2):99–100
Strategic planning and hospitals: a business perspective. Falkson JL, et al. **Hospitals** 1982 Aug 1;56(15):51–6
Rapid incident identification, systematic follow-up key to preventive risk managing. Freilich H, et al. **Hospitals** 1982 Aug 16;56(16):53–4
Only the best-laid plans bring capital success. Guncheon KF. **Hospitals** 1982 Apr 16;56(8):72–4
Hospital bills patients according to nurses' assessment of the amount of care needed [interview] Hoopes J. **Hospitals** 1982 Jul 16;56(14):64
Departmental input helps stabilize budget. Rose C. **Hospitals** 1982 Feb 1;56(3):39, 48–9
Hospital realizes benefits of participative financial reports. Wolfenden P. **Hospitals** 1982 Jul 16;56(14):38, 41
Variable billing for services: new fiscal direction for nursing. Higgerson NJ, et al. **J Nurs Adm** 1982 Jun;12(6):20–7
Medical practice, case mix, and cost containment. A new role for the attending physician. Young DW, et al. **JAMA** 1982 Feb 12;247(6):801–5
Your borrowing power: use it to build financial success. Guess LD. **Mod Vet Pract** 1981 Nov;62(11):829–30, 832
A financial planning model for estimating hospital debt capacity. Hopkins DS, et al. **Public Health Rep** 1982 Jul-Aug;97(4):363–72
Comments on a pragmatic route to quality assurance. Post RS. **QRB** 1981 Dec;7(12):4–5
Response to 'Concepts in the Financial Management of Hospital Social Work Departments' in Social Work i Health Care, Vol. 5(3), Spring 1980. Fisher D. **Soc Work Health Care** 1980 Winter;6(2):101–5
HMOs and private sector financing. Byrnes FJ. **Top Health Care Financ** 1981 Winter;8(2):23–33
Strategic planning and the design of a hospital ambulatory care financial strategy. Meiselman BL. **Top Health Care Financ** 1982 Fall;9(1):7–21
The financial impact on the hospital and group. Roth G, et al. **Top Health Care Financ** 1982 Fall;9(1):53–65
Capital requirements and capital financing in a hospital-based group practice prepayment plan. Vohs JA, et al. **Top Health Care Financ** 1981 Winter;8(2):1–21
Revenue maximization through effective operations and systems. Wolper LF. **Top Health Care Financ** 1982 Fall; 9(1):66–80
[Principles and methods of resource allocation for medical research programs] Bondarev IM, et al. **Vestn Akad Med Nauk SSSR** 1981;(6):88–93 **(Rus)**

ORGANIZATION & ADMINISTRATION

Contract management of health care facilities: structural models. Lowe JM. **Health Care Manage Rev** 1981 Fall; 6(4):17–24

TRENDS

Ratio analysis: use with caution. Finkler SA. **Health Care Manage Rev** 1982 Spring;7(2):65–72
Budget, policy changes: NIMH in transition. Pardes H. **Hosp Community Psychiatry** 1982 Jul;33(7):525–6
Inflation outpaces gifts to top health agencies. **Hospitals** 1982 Apr 1;56(7):50, 57
Getting down to business: an increasing number of hospitals are adopting corporate organization and management structures. DeWitt C. **Hospitals** 1981 Oct 1;55(19):76–8
Need for capital may squeeze freestanding institutions into multi-institutional arrangements. Hernandez MD, et al. **Hospitals** 1982 Mar 1;56(5):75–7
Experts comment on major changes in hospital financial management. Herzlinger RE, et al. **Hospitals** 1982 Apr 1; 56(7):72–5
Construction spending will be shaped by competition. Johnson RL. **Hospitals** 1982 Feb 16;56(4):89–92, 94
Declining reimbursement will demand innovative delivery methods. Mannisto M. **Hospitals** 1982 Jul 16;56(14):92, 94
Capital outlook: some encouragement, much concern, many changes. Phillips G. **Hospitals** 1982 Apr 16;56(8):69–71
Strategy can close the 'capital gap'. Wilson LY, et al. **Hospitals** 1982 Jun 16;56(12):74–6, 79
Electronic data processing applications. **Top Health Care Financ** 1982 Spring;8(3):57–9
Accounts receivable management: the mid-1980s and beyond. **Top Health Care Financ** 1982 Spring;8(3):69–71
Future directions for case-mix applications. Reiss JB. **Top Health Care Financ** 1982 Summer;8(4):67–78

UTILIZATION

Contractual arrangements: NHS use of the private sector. Horne DA. **Br Med J [Clin Res]** 1982 Apr 3; 284(6321):1060–1

FINANCIAL MANAGEMENT, HOSPITAL see under **FINANCIAL MANAGEMENT**

FINANCING, CONSTRUCTION see under **FINANCIAL MANAGEMENT**

FINANCING, GOVERNMENT

Medicaid cutbacks and block grants: crisis or opportunity for community mental health? Sharfstein SS. **Am J Psychiatry** 1982 Apr;139(4):466–70
Allocation of professional practice time [letter] Salzman C. **Arch Gen Psychiatry** 1982 Apr;39(4):489–90
Federal funding agencies and speech-language-hearing. Punch JL, et al. **ASHA** 1982 May;24(5):325–31
Title VI funding for adolescent pregnancy: what have we learned? Cornely DA. **Birth Defects** 1981;17(3):155–63
Good and bad news for medical schools [editorial] **Br Med J [Clin Res]** 1982 Jun 5;284(6330):1658
Compensation: who cares? [letter] Duthie RB. **Br Med J [Clin Res]** 1982 May 29;284(6329):1631–2
Subsidized adoption: one county's program. Byrne KO, et al. **Child Welfare** 1982 Mar;61(3):173–80
School health funding sources in the public sector. Cortese PA. **Health Educ Q** 1981 Spring;8(1):88–104
Hospital granted $3 million loan to finance 14 energy conservation projects. **Hospitals** 1982 Mar 1;56(5):60, 63
Medical drugs of limited commercial interest: profit alone is a bitter pill. Asbury CH. **Int J Health Serv** 1981; 11(3):451–62
Government's role in health care financing and delivery. Brandt EN Jr. **J Fla Med Assoc** 1982 Mar;69(3):175–8
Beyond the cuts [editorial] **Lancet** 1982 Feb 20;1(8269):429
Public health nursing practice – an administrator's view. Ervin N. **Nurs Outlook** 1982 Jul-Aug;30(7):390–4
A practical guide to political effectiveness. The case of federal funding for nursing research. Oakley D. **Nurs Res** 1981 Nov-Dec;30(6):360–5
Federal health services grants, 1980. Zwick DI. **Public Health Rep** 1981 Nov-Dec;96(6):498–502
Crucial partnership: biomedical scientists and Congress. Fallon HJ. **Va Med** 1982 Feb;109(2):110–1

ECONOMICS

Federal expenditures for the elderly: a different interpretation of the past. Judge K. **Gerontologist** 1982 Apr;22(2):129–33
Maternal and child health: use of health status indicators in coordinating and targeting federal programs. Omenn GS. **J Community Health** 1982 Spring;7(3):194–210
SSI program, December 31, 1980. **Soc Secur Bull** 1980; Suppl:41–2

LEGISLATION & JURISPRUDENCE

Washington scene: the federal budget revisited. Verville RE. **AANA J** 1982 Jun;50(3):281–4
The battle of the budget! Verville RE. **AANA J** 1981 Aug; 49(4):439–42
Washington scene: competition in the health care marketplace. Verville RE. **AANA J** 1981 Oct;49(5):526–8
Washington scene: what lies ahead in '82? Verville RE. **AANA J** 1982 Feb;50(1):84–6
Hospitals feel pinch as costs go up and federal funds go down. Patterson P. **AORN J** 1982 Mar;35(4):778–82
Federal-provincial fiscal arrangements: interns' and residents' views. Canadian Association of Internes and residents. **Can Med Assoc J** 1982 May 15;126(10):1136–8
Subsidized adoption: one county's program. Byrne KO, et al. **Child Welfare** 1982 Mar;61(3):173–80
Monitoring the effects of budgetary reductions on the health status and health care of mothers and children: a preliminary protocol. Wallace HM, et al. **Clin Pediatr (Phila)** 1982 Jul;21(7):421–3
Government financing- where do we stand [editorial] Martin JC. **Dimens Health Serv** 1982 Jul;59(7):4–5 **(Eng, Fre)**
The right to humane treatment: where has it gone? Braun P. **J Clin Psychopharmacol** 1981 Sep;1(5):325–7
The impact of federal legislation and declining financial resources on dental education. Bruce HW Jr. **J Dent Educ** 1981 Oct;45(10):646–51
Washington report. Lewis J. **J Stud Alcohol** 1982 Jan; 43(1):183–7
The unkindest cut of all: a view of the U.G.C. cuts from Britain's first 20th-century medical school. Mitchell JR. **Lancet** 1982 Sep 4;2(8297):540–5
Does the new federalism mean more flexibility for the states? Paradis DM, et al. **Mich Med** 1981 Nov;80(32):591–3
Budget reconciliation: the new legislative process. Lawton SE. **N Engl J Med** 1981 Nov 19;305(21):1297–300
Capitol report: money and politics. Johnson J. **Nurse Pract** 1981 Sep-Oct;6(5):9, 57
A spatial analysis of voting on health care issues. United States House of Representatives, 86th Congress, First Session. Mullner R, et al. **Soc Sci Med** 1982;16(11):1147–56

METHODS

Health and new federalism. Babbitt B. **Ariz Med** 1982 Apr; 39(4):256–7
Transfer of health programs (block grants). Hodes RS. **J Fla Med Assoc** 1982 Mar;69(3):179–81
The new federalism for health: shifting responsibilities and reducing costs into the 80s. Rubin RN. **JAMA** 1982 Jun 4;247(21):2911–2
Block grants. New federalism or hot potatoes? Woolley FR, et al. **JAMA** 1982 Jul 2;248(1):53–4
Occasional notes. What's behind those block grants in health? [letter] Omenn GS, et al. **N Engl J Med** 1982 Apr 29; 306(17):1057–60
The Overseas Development Administration support for tropical medicine. Sinclair KB. **Trans R Soc Trop Med Hyg** 1981;75 Suppl:39–41

ORGANIZATION & ADMINISTRATION

The National Plan for the Chronically Mentally Ill: a review of financing proposals. Rubin J. **Hosp Community Psychiatry** 1981 Oct;32(10):704–13
Block grants and the resurgence of federalism. Brandt EN Jr. **Public Health Rep** 1981 Nov-Dec;96(6):495–7

TRENDS

The arms race and health care. Holdstock DJ. **Br Med J [Clin Res]** 1982 Aug 7;285(6339):421–2
Underfunding's effect on Canadian hospitals. Korcok M. **Can Med Assoc J** 1982 Sep 1;127(5):409–13
Medicare is financially sick. Richard L. **Can Med Assoc J** 1982 Apr 1;126(7):838–42
Health care spending- can the rate of ascent be slowed? Freeland MS, et al. **Forum (Wash)** 1981 Aug;5(3):2–9
Strategic planning under current cutback conditions. McLaughlin CP. **Health Care Manage Rev** 1982 Summer; 7(3):7–17
Cost containment and pro-competition legislation overrun deregulation efforts. McCarthy CM. **Hospitals** 1982 Apr 1;56(7):76–9
The consequences of a changing federal policy on support of medical education [editorial] Bowles LT. **J Med Educ** 1981 Oct;56(10):868
Reagan Administration health policy. Davis K. **J Public Health Policy** 1981 Dec;2(4):312–32

The trend of federal and private support of research as applied to anesthesiology. Benzon HT, et al. **JAMA** 1982 Feb 26;247(8):1166–7
Federal support of radiological research. Hendee WR. **Med Instrum** 1981 Nov–Dec;15(6):361–4
Health policy report: shrinking federal support brings new era to education in the health professions. Iglehart JK. **N Engl J Med** 1981 Oct 22;305(17):1027–32

FINANCING, ORGANIZED

An allied health perspective on competition. Del Polito GA. **Am J Med Technol** 1982 Mar;48(3):201–2
Grant to help motivate energy-saving projects. **Hospitals** 1982 Apr 1;56(7):50

METHODS

HMOs and private sector financing. Byrnes FJ. **Top Health Care Financ** 1981 Winter;8(2):23–33

ORGANIZATION & ADMINISTRATION

Strategies for financing water and sanitation projects. Shipman H. **Bull Pan Am Health Organ** 1981;15(3):208–15

TRENDS

The trend of federal and private support of research as applied to anesthesiology. Benzon HT, et al. **JAMA** 1982 Feb 26;247(8):1166–7

FINANCING, PERSONAL

Financial burden of childhood cancer. Bodkin CM, et al. **Br Med J [Clin Res]** 1982 May 22;284(6328):1542–4
Effects of fluoride and regular dental care on personal dental expenditures of young adults in Finland. Alvesalo I, et al. **Community Dent Oral Epidemiol** 1982 Feb;10(1):15–22
Financial exploitation of schizophrenic patients by their families. Roy-Byrne P, et al. **Hosp Community Psychiatry** 1982 Jul;33(7):576–7
Senior survey: financial characteristics of dental school seniors. **J Dent Educ** 1982 Sep;46(9):565
Helping patients control their own money: money management training. McMordie WR. **Perspect Psychiatr Care** 1982 Jan–Mar;20(1):33–6

TRENDS

Responsibility for long-term care rests with private sector. Bennett NE. **Hospitals** 1982 Jul 1;56(13):67–9

FINANCING, PUBLIC see **FINANCING, GOVERNMENT**

FINGER INJURIES

Fractures and refractures in intercollegiate athletes. An eleven-year experience. Whiteside JA, et al. **Am J Sports Med** 1981 Nov–Dec;9(6):369–77
Complex dislocations of the metacarpophalangeal joint. Bohart PG, et al. **Clin Orthop** 1982 Apr;(164):208–10
Complex dorsal dislocation of the thumb metacarpophalangeal joint. Dutton RO, et al. **Clin Orthop** 1982 Apr;(164):160–4
Irreducible volar dislocation of the proximointerphalangeal joint. Meyn MA Jr. **Clin Orthop** 1981 Jul–Aug;(158):215–8
Simultaneous dislocation of the interphalangeal and metacarpo-phalangeal joints in a thumb. Cleak DK. **Hand** 1981 Jun;13(2):167–8
Lumbrical plus finger [letter] Goodwin DR, et al. **Injury** 1981 Jul;13(1):82–3
Blood under the nail [letter] Stewart PJ. **Lancet** 1982 Feb 27;1(8270):518
Dorsal dislocation of the metacarpophalangeal joint of the index finger. Deenstra W. **Neth J Surg** 1981 Dec; 33(5):243–6
Palmaris longus-tenodesis for hyperextension of the thumb metacarpophalangeal joint. Eiken O. **Scand J Plast Reconstr Surg** 1981;15(2):149–52
[Surgical treatment of lesions of the ulnar collateral ligament of the metacarpo-phalangeal joint of the thumb] Biancardi G, et al. **Chir Ital** 1981 Oct;33(5 Suppl 1):127–30 **(Ita)**
[Treatment of injuries of the tendons of deep finger flexors] Pavliuk-Pavliuchenko LL. **Sov Med** 1982;(4):103–5 **(Rus)**

COMPLICATIONS

Angular deformity of the middle fingers in a young athlete. A case report. Rayan GM, et al. **Am J Sports Med** 1982 Jan–Feb;10(1):51–4
Digital osteomyelitis due to boredom. Fahmy NR, et al. **Hand** 1981 Oct;13(3):285–6
Mallet finger and fractures. McMinn DJ. **Injury** 1981 May; 12(6):477–9
An unusual presentation of a ring injury. Drewniany JJ, et al. **J Hand Surg** 1982 Mar;7(2):194–5
Glomus tumor associated with pacinian hyperplasia--case report. Greider JL Jr, et al. **J Hand Surg** 1982 Mar; 7(2):113–7
'Seal finger'. Mass DP, et al. **J Hand Surg** 1981 Nov; 6(6):610–2
Avulsion of a profundus tendon with simultaneous intraarticular fracture of the distal phalanx--case report. Smith JH Jr. **J Hand Surg** 1981 Nov;6(6):600–1
Displaced intra-articular osteochondral fracture--cause for irreducible dislocation of the distal interphalangeal joint. Stripling WD. **J Hand Surg** 1982 Jan;7(1):77–8
[Sea urchin spines synovitis. A case report with positive pasteurellosis antigen intradermoreaction (author's transl)] Dreyfus P, et al. **Ann Med Interne (Paris)** 1981;132(6):404–7 (Eng. Abstr.) **(Fre)**
[Post-traumatic stiffness of the fingers (the thumb excluded). Symposium] **Rev Chir Orthop** 1981;67(5):515–70 **(Fre)**
[Combined method of surgical treatment for severe cicatricial syndactyly as a complication of burns] Iudenich VV, et al. **Ortop Travmatol Protez** 1982 Apr;(4):18–22 (Eng. Abstr.) **(Rus)**
[Surgical treatment of post-burn syndactyly] Povstianoĭ NE, et al. **Ortop Travmatol Protez** 1982 Apr;(4):22–4 (Eng. Abstr.) **(Rus)**

DIAGNOSIS

Avoiding pitfalls in the diagnosis of the acutely injured proximal interphalangeal joint. Woods GL, et al. **Clin Plast Surg** 1981 Jan;8(1):95–105

ETIOLOGY

Pseudoainhum associated with: plica neuropathica. Diestelmeier MR, et al. **Cutis** 1981 Dec;28(6):629–30
Space invaders [letter] Wicks I. **Med J Aust** 1981 Dec 12–26; 2(12–13):648
Treatment of ring injuries utilizing microvascular surgery. MacDonald CJ, et al. **Minn Med** 1982 Jul;65(7):405–7
[Injuries of children sustained on escalators] Kabelka M. **Rozhl Chir** 1982 Apr;61(4):212–4 (Eng. Abstr.) **(Cze)**

OCCURRENCE

Traumatic amputations and the need for a replantation service in Finland. Vilkki SK, et al. **Ann Chir Gynaecol** 1982;71(1):2–7
Less than ten--surgeons with amputated fingers. Brown PW. **J Hand Surg** 1982 Jan;7(1):31–7

PATHOLOGY

[Double dislocation of the little finger of the right hand] Glebov VL. **Vestn Khir** 1981 Jul;127(7):85–6 **(Rus)**

PHYSIOPATHOLOGY

The importance of controlled passive mobilization on flexor tendon healing. A biomechanical study. Woo SL, et al. **Acta Orthop Scand** 1981 Dec;52(6):615–22
[The effect of injuries on congenital arteriovenous dysplasias (observation on the middle-finger--hemodynamics, therapy, course and histology)] Piza-Katzer H, et al. **Handchirurgie** 1980;12(3–4):213–8 (Eng. Abstr.) **(Ger)**

RADIOGRAPHY

Blocking spur on proximal phalanx [letter] Leonard MH. **Hand** 1981 Oct;13(3):321
A rare finger injury. Yadav SS, et al. **Hand** 1981 Jun; 13(2):199–201

REHABILITATION

A work simulator for rehabilitating the upper extremity-preliminary report. Curtis RM, et al. **J Hand Surg** 1981 Sep;6(5):499–501
Finger flexion force and hand grip strength after tendon repair. Ejeskär A. **J Hand Surg** 1982 Jan;7(1):61–5

SURGERY

The treatment of flexor tendon lesions of the fingers. Coenen L, et al. **Acta Chir Belg** 1981 Jul–Aug;80(4):195–204
Evaluation of digital replantation. Yoshimura M, et al. **Acta Chir Belg** 1982 May–Jun;82(3):161–70
Results of microsurgical finger reimplantations. Boeckx W, et al. **Acta Orthop Belg** 1981;47(6):788–97
Osteosynthesis in digital replantation surgery. Hoffmann R, et al. **Ann Chir Gynaecol** 1982;71(1):14–8
Toe to hand transfer. Solonen KA, et al. **Ann Chir Gynaecol** 1982;71(1):28–33
Transposition of pedicled skin flaps in the hand. Telaranta T, et al. **Ann Chir Gynaecol** 1982;71(1):51–5
The primary repair of digital flexor tendons. Earley MJ, et al. **Br J Plast Surg** 1982 Apr;35(2):133–9
Arteriography before toe to hand free tissue transfer operation. Hekali P, et al. **Eur J Radiol** 1981 Nov;1(4):285–7
The use of modified A.O. reduction forceps in percutaneous fracture fixation. Glasgow M, et al. **Hand** 1981 Jun; 13(2):214–6
A salvage procedure in the treatment of the boutonnière deformity caused by contact burn and friction injury. Joshi BB. **Hand** 1982 Feb;14(1):33–7
Flexor tendon excursions in 'no-man's land'. McGrouther DA, et al. **Hand** 1981 Jun;13(2):129–41
A simple method for the treatment of finger tip injuries involving the nail bed. Matthews P. **Hand** 1982 Feb; 14(1):30–2
Non-union in a fracture of the shaft of the distal phalanx. Read L. **Hand** 1982 Feb;14(1):85–8
Neurovascular island flap reconstruction following high pressure injection injuries of the hand. Engel J, et al. **Injury** 1981 Nov;13(3):181–4
Accidental injury due to soft metal rivets [letter] Williams DJ, et al. **Injury** 1981 Jul;13(1):85–6
Replacement of destroyed joints by prostheses in peripheral amputation injuries. Bartels H, et al. **Int J Artif Organs** 1982 May;5(3):213–4
The treatment of scarring and flexion contracture after operations for injuries to the flexor tendons of the fingers by implantation of a silicone rod and tendon grafting. Sakellarides HT. **Int Orthop** 1981;5(3):225–8
Management of fingertip injuries [letter] Baruchin AM, et al. **J Fam Pract** 1982 Feb;14(2):228, 230
Digital replantation and amputation--comparison of function. Jones JM, et al. **J Hand Surg** 1982 Mar;7(2):183–9
One hundred tendon grafts for isolated flexor digitorum profundus injuries. McClinton MA, et al. **J Hand Surg** 1982 May;7(3):224–9
A phalangeal fracture model--quantitative analysis of rigidity and failure. Massengill JB, et al. **J Hand Surg** 1982 May; 7(3):264–70
Digital replantation distal to the proximal interphalangeal joint. May JW Jr, et al. **J Hand Surg** 1982 Mar;7(2):161–6
Stener lesion after lateral dislocation of the proximal interphalangeal joint--indication for open reduction. Stern PJ. **J Hand Surg** 1981 Nov;6(6):602–4
Chronic fracture dislocation of the proximal interphalangeal joint-treatment by osteotomy and bone graft. Zemel NP, et al. **J Hand Surg** 1981 Sep;6(5):447–55
Early excision of full-thickness hand and digit burns: factors affecting morbidity. Hunt JL, et al. **J Trauma** 1982 May; 22(5):414–9
Digital amputations by slippery slides. Coleman SG, et al. **Med J Aust** 1982 Apr 17;1(8):339–41
Step osteotomy: a precise rotation osteotomy to correct scissoring deformities of the fingers. Manktelow RT, et al. **Plast Reconstr Surg** 1981 Oct;68(4):571–6
Revascularization of the skin envelope of a denuded finger. Weeks PM, et al. **Plast Reconstr Surg** 1982 Mar; 69(3):527–31
[Experience of replantation of traumatic amputation of 121 fingers (author's transl)] Cheng GL, et al. **Chung Hua Wai Ko Tsa Chih** 1981 Jan;19(1):10–3 (Eng. Abstr.) **(Chi)**
[Fingerreplantation results since 1972 (author's transl)] Boeckx W, et al. **Acta Chir Belg** 1982 May–Jun;82(3):191–8 (Eng. Abstr.) **(Dut)**
[Functional value of replanted fingers (author's transl)] Monballiu G. **Acta Chir Belg** 1981 Sep–Oct;80(5):237–44 (Eng. Abstr.) **(Dut)**
[Functional value of the hand after digital replantation (author's transl)] Monballiu G. **Acta Chir Belg** 1982 May–Jun;82(3):171–9 (Eng. Abstr.) **(Dut)**
[Microsurgical repair of 110 digital nerves (author's transl)] Khuc T, et al. **Acta Chir Belg** 1982 May–Jun;82(3):271–80 **(Fre)**
[The replantation of 71 totally amputated digits (author's transl)] Lejeune G, et al. **Acta Chir Belg** 1982 May–Jun; 82(3):181–9 (Eng. Abstr.) **(Fre)**
[Reimplantation of fingers. Evaluation of results and indications. Introduction] Calberg G. **Acta Orthop Belg** 1981;47(6):777–81 **(Fre)**
[General reflections on the medical literature and the collection of communications presented on the subject of reimplantation of fingers, such as operations of toe transfers in place of fingers] Calberg G. **Acta Orthop Belg** 1981; 47(6):867–9 **(Fre)**
[Functional evaluation after reimplantation of amputated limbs and fingers] Casteleyn PP. **Acta Orthop Belg** 1981; 47(6):834–43 **(Fre)**
[Total or partial transfer of the 2d toe in digital reconstruction. Apropos of 32 cases] Foucher G, et al. **Acta Orthop Belg** 1981;47(6):854–66 **(Fre)**
[Replantation of fingers. 59 cases] Lejeune G, et al. **Acta Orthop Belg** 1981;47(6):798–805 **(Fre)**
[The functional value of reimplanted fingers] Monballiu G. **Acta Orthop Belg** 1981;47(6):782–7 **(Fre)**
[Functional results of osteosynthesized fractures of the first phalanx of the fingers (author's transl)] Merle M, et al. **Ann Chir** 1981 Nov;35(9 Pt 2):765–70 (Eng. Abstr.) **(Fre)**
[Diaphyseal fractures of the proximal phalanx of the fingers. Results of the treatment in 72 cases (author's transl)] Thomine JM, et al. **Ann Chir** 1981 Nov;35(9 Pt 2):759–64 (Eng. Abstr.) **(Fre)**
[About the surgical treatment of fractures of the metacarpals and phalanges (author's transl)] Tubiana R. **Ann Chir** 1981 Nov;35(9 Pt 2):757–8 **(Fre)**
[Transplantation of the second toe in the reconstruction of fingers (author's transl)] Foucher G, et al. **Rev Chir Orthop** 1981;67(3):235–40 (Eng. Abstr.) **(Fre)**
[Indications for the use of the minifixateur externe. A statistical analysis (author's transl)] Asche G, et al. **Aktuel Traumatol** 1982 Apr;12(2):103–10 (Eng. Abstr.) **(Ger)**
[Treatment of fresh and old ruptures of the extensor tendons (author's transl)] Hesoun P, et al. **Aktuel Traumatol** 1981 Dec;11(6):238–47 (Eng. Abstr.) **(Ger)**
[Problems of fracture fixation in replantation surgery] Berger A, et al. **Handchirurgie** 1980;12(3–4):247–8 (Eng. Abstr.) **(Ger)**
[Remarks and thoughts on the evaluation of results in replantation surgery] Berger A, et al. **Handchirurgie** 1981; 13(1–2):70–4 (Eng. Abstr.) **(Ger)**

[Evaluation of functional results after replantations and revascularizations in the area of the upper extremity] Büchler U. **Handchirurgie** 1981;13(1–2):62–9 (Eng. Abstr.) **(Ger)**

[Free contralateral index finger pollicization] Büchler U, et al. **Handchirurgie** 1981;13(1–2):36–45 (Eng. Abstr.) **(Ger)**

[Surgical specialties in replantation surgery] Frey M, et al. **Handchirurgie** 1981;13(1–2):126–30 (Eng. Abstr.) **(Ger)**

[Method of examination—GEM 1976] Mitz V. **Handchirurgie** 1981;13(1–2):90–2 **(Ger)**

[Personal experiences with replantation of fingers in the zone 1 area (fingertips)] Werber KD, et al. **Handchirurgie** 1980; 12(3–4):249–51 (Eng. Abstr.) **(Ger)**

[The problem of osteosynthesis in peripheral replantation] Winter I, et al. **Handchirurgie** 1981;13(1–2):114–9 (Eng. Abstr.) **(Ger)**

[Transport of finger parts using an abdominal skin flap for finger and thumb reconstructive plastic surgery] Wintsch K. **Handchirurgie** 1981;13(1–2):56–61 (Eng. Abstr.) **(Ger)**

[Free microsurgical toe transplantation—a new alternative for replacement of digits (author's transl)] Meyer VE. **Ther Umsch** 1981 Dec;38(12):1180–3 (Eng. Abstr.) **(Ger)**

[Procedures in digital nerve injuries. Results of primary nerve sutures] Pfeiffer KM, et al. **Ther Umsch** 1981 Dec; 38(12):1201–7 (Eng. Abstr.) **(Ger)**

[Trigger finger after extensor tendon injuries (author's transl)] Zimmermann I, et al. **Magy Traumatol Orthop Helyreallito Sebesz** 1981; 24(1):56–7 **(Hun)**

[Replantation of amputated fingers] Sántha A, et al. **Orv Hetil** 1981 Oct 4;122(40):2459–62 **(Hun)**

[Methods of plastic repair in cases of traumatic fingertip amputation] Lavagnino G, et al. **Ann Osp Maria Vittoria Torino** 1979 Jul–Dec; 22(7–12):360–4 **(Ita)**

[Index finger replacement by the third finger. Indications and surgical technic] Pagliughi G, et al. **Chir Ital** 1981 Oct; 33(5 Suppl 1):6–9 **(Ita)**

[Reimplantation of peripheral parts of the extremities. 808 cases and functional results] Ingianni G, et al. **Minerva Chir** 1981 Oct 31;36(20):1337–44 (Eng. Abstr.) **(Ita)**

[Evaluation of the usefulness of the Stack apparatus] Asarabowski J. **Chir Narzadow Ruchu Ortop Pol** 1981; 46(3):227–9 **(Pol)**

[Sutureless reconstruction of the extensor tendon in the mallet finger] Kuś H. **Chir Narzadow Ruchu Ortop Pol** 1981; 46(6):553–6 (Eng. Abstr.) **(Pol)**

[Indications for restoration of the nerves of the hand and fingers] Belousov AE, et al. **Ortop Travmatol Protez** 1981 Nov;(11):17–20 (Eng. Abstr.) **(Rus)**

[Results of primary suture of the tendons of the flexor muscles of the fingers in children] Dol'nitskiĭ OV, et al. **Ortop Travmatol Protez** 1981 Jan;(1):19–22 (Eng. Abstr.) **(Rus)**

[Use of 'acute' Filatov grafts in the treatment of open finger injuries] Germanov VB. **Ortop Travmatol Protez** 1982 Apr; (4):12–5 (Eng. Abstr.) **(Rus)**

[Remote results of treatment of open injuries of the distal phalanges of the fingers] Petrov VG, et al. **Ortop Travmatol Protez** 1981 Aug;(8):49 **(Rus)**

[Results of early autoplasty of finger flexor tendons in the 'critical' zone] Solomenko AV, et al. **Ortop Travmatol Protez** 1982 Apr;(4):38–9 **(Rus)**

[Extrafocal osteosynthesis for unstable fractures of the tubular bones of the hand] Vasil'ev SF, et al. **Ortop Travmatol Protez** 1982 Apr;(4):49–50 **(Rus)**

[Treatment of injuries of the tendons of deep finger flexors] Pavliuk-Pavliuchenko LL. **Sov Med** 1982;(4):103–5 **(Rus)**

THERAPY

Blocking splints to assist finger exercise. English CB, et al. **Am J Occup Ther** 1982 Apr;36(4):259–62

Tourniquet syndrome caused by metallic bands: a new tool for removal. Greenspan L. **Ann Emerg Med** 1982 Jul; 11(7):375–8

Bowler's finger syndrome [letter] Romano-Jana L. **Arthritis Rheum** 1982 Apr;25(4):478

Strapping a finger. Middlemiss T. **Aust Fam Physician** 1981 Nov;10(11):902

Epiphyseal plate injuries in the hand. Samuel AW. **Injury** 1981 May;12(6):503–5

Re-establishment of traumatically disrupted finger flexor function: a brief communication. Finkelstein S. **Int J Clin Exp Hypn** 1982 Jan;30(1):1–3

Spontaneous restitution ad integrum of a fractured enchondroma in a finger. Baruchin A, et al. **Int J Tissue React** 1981 Mar;3(1):17–20

The use of silver sulphadiazine occlusive dressings for finger-tip injuries. de Boer P, et al. **J Bone Joint Surg [Br]** 1981;63B(4):545–7

Locked finger treated by manipulation. A report of three cases. Guly HR, et al. **J Bone Joint Surg [Br]** 1982; 64(1):73–5

[Conservative treatment of subcutaneous rupture of the extensor tendon to the distal phalanx] Olsen I. **Ugeskr Laeger** 1981 Sep 14;143(38):2437–9 (Eng. Abstr.) **(Dan)**

[Fresh sprains and ligament ruptures of the proximal interphalangeal joints] Gaudernak T, et al. **Handchirurgie** 1981;13(3–4):231–7 (Eng. Abstr.) **(Ger)**

[Gunshot wounds of the hand and fingers in peacetime] Gostev VS. **Vestn Khir** 1982 Mar;128(3):106–10 **(Rus)**

FINGER JOINT

Dynamic interphalangeal extension splint design. Hooper RM, et al. **Am J Occup Ther** 1982 Apr;36(4):257–8

Familial arthritis and camptodactyly. Malleson P, et al. **Arthritis Rheum** 1981 Sep;24(9):1199–204

Interphalangeal joint involvement in Gaucher's disease, type I, resembling juvenile rheumatoid arthritis. Weizman Z, et al. **Arthritis Rheum** 1982 Jun;25(6):706–7

Metacarpal phalangeal joint-driven index finger prosthesis. Miller LD. **Bull Prosthet Res** 1981 Spring;18(1):48–51

Mucous Cyst. Jones KG. **J Arkansas Med Soc** 1982 Mar; 78(10):395–6

Synovial chondromatosis of the hand. Cremone JC Jr, et al. **Plast Reconstr Surg** 1982 May;69(5):871–4

[A new dynamic splint for treatment of contractures of the finger joints] Nielsen PO, et al. **Ugeskr Laeger** 1982 Feb 1;144(5):317–9 (Eng. Abstr.) **(Dan)**

[Post-traumatic stiffness of the fingers (the thumb excluded). Symposium] **Rev Chir Orthop** 1981;67(5):515–70 **(Fre)**

[Topical treatment of osteoarthritis] Wulle C. **Handchirurgie** 1981;13(3–4):250–3 (Eng. Abstr.) **(Ger)**

[Differential phalangeal joint changes from a rheumatologic viewpoint] Singer F. **Z Rheumatol** 1982 Jan–Feb;41(1):26–34 (Eng. Abstr.) **(Ger)**

[Finger joint arthrosis. Results of a short-term treatment with Dona 200 S] Hunold W. **ZFA (Stuttgart)** 1981 Sep 10; 57(25):1686–91 **(Ger)**

[Incidence and pathogenesis of osteoarthrosis deformans] Podchalimova VV. **Vopr Revm** 1982 Jan–Mar;(1):44–8 (47 ref.) **(Rus)**

[Acute, massive urate crystal deposition into the subcutaneous tissues of patients with gout (author's transl)] Klarica J. **Lijec Vjesn** 1981 Sep;103(9):384–6 (Eng. Abstr.) **(Scr)**

ABNORMALITIES

Abnormal metacarpal heads in brachymesophalangy—report of a case and review of the literature. Renton P, et al. **J Hand Surg** 1981 Nov;6(6):545–9

ANATOMY & HISTOLOGY

The distal interphalangeal joints of human fingers. Gigis PI, et al. **J Hand Surg** 1982 Mar;7(2):176–82

Detailed anatomy of the extensor mechanism at the proximal aspect of the finger. Schultz RJ, et al. **J Hand Surg** 1981 Sep;6(5):493–8

Finger joint size measurements and changes in body weight [letter] Rudge S, et al. **Lancet** 1981 Oct 17;2(8251):877–8

PATHOLOGY

Heberden's nodes' nails. Alarcon-Segovia S, et al. **J Rheumatol** 1981 May–Jun;8(3):509–11

Thiemann's disease. Melo-Gomes JA, et al. **J Rheumatol** 1981 May–Jun;8(3):462–7

PHYSIOLOGY

Stiffness in the metacarpo-phalangeal joints of young adults. Unsworth A, et al. **Clin Phys Physiol Meas** 1981 May; 2(2):123–33

Forces in the metacarpophalangeal joint due to elevated fluid pressure--analysis, measurements and relevance to ulnar drift. James DF, et al. **J Biomech** 1982;15(2):73–84

The kinesiology of the thumb trapeziometacarpal joint. Cooney WP 3d, et al. **J Bone Joint Surg [Am]** 1981 Dec; 63-A(9):1371–81

Confirmation of differential loading of lateral and central fibers of the extensor tendon. Micks JE, et al. **J Hand Surg** 1981 Sep;6(5):462–7

Metacarpophalangeal flexion forces with respect to age, sex, and exercise habits. Hall SJ. **Med Sci Sports Exerc** 1981; 13(5):329–31

PHYSIOPATHOLOGY

Handedness and hand joint changes in rheumatoid arthritis. Hasselkus BR, et al. **Am J Occup Ther** 1981 Nov; 35(11):705–10

Locking of the metacarpophalangeal joints in degenerative disease. Stewart GJ, et al. **Hand** 1981 Jun;13(2):147–51

Familial trigger thumb in children. van Genechten F. **Hand** 1982 Feb;14(1):56–8

A quantitative evaluation of thumb function after ulnar collateral repair and reconstruction. Osterman AL, et al. **J Trauma** 1981 Oct;21(10):854–61

Case report: hypermobility syndrome mimicking juvenile chronic arthritis. Scharf Y, et al. **Rheumatol Rehabil** 1982 May;21(2):78–80

RADIOGRAPHY

Tophaceous pseudogout. Ling D, et al. **AJR** 1982 Jan; 138(1):162–5

Avascular necrosis of metacarpal heads following renal transplantation. Al-Kutoubi MA. **Br J Radiol** 1982 Jan; 55(649):79–80

Radiography of the polyarthritic hands and wrists. Clements RW, et al. **Radiol Technol** 1981 Nov–Dec;53(3):203–17 (90 ref.)

Radiologic comparison of erosive polyarthritides with prominent interphalangeal involvement. Gold RH, et al. **Skeletal Radiol** 1982;8(2):89–97

Case report 190. Thorn-induced synovitis. Southgate GW, et al. **Skeletal Radiol** 1982;8(1):79–80

[Metacarpophalangeal calcifications in diffuse chondrocalcinosis. Radiologic study of ten cases (author's transl)] Hamza M, et al. **Ann Radiol (Paris)** 1981 Nov; 24(7):579–81 (Eng. Abstr.) **(Fre)**

[Metacarpophalangeal calcifications in diffuse chondrocalcinosis. Radiologic study of ten cases (author's transl)] Hamza M, et al. **Sem Hop Paris** 1982 Apr 15; 58(15):923–5 (Eng. Abstr.) **(Fre)**

[Simultaneous functional testing of the metacarpophalangeal joints of the thumb in hyperpronation using a simple device] Heim U. **Handchirurgie** 1981;13(3–4):260–2 (Eng. Abstr.) **(Ger)**

SURGERY

Silicone-induced adenopathy eight years after metacarpophalangeal arthroplasty. Groff GD, et al. **Arthritis Rheum** 1981 Dec;24(12):1578–81

Small joint reconstruction by perichondrial arthroplasty. Johansson SH, et al. **Clin Plast Surg** 1981 Jan;8(1):107–14

An interpositional elastomeric cap for metacarpophalangeal joint perichondrioplasty in rheumatoid arthritis. Jackson IT, et al. **Hand** 1981 Jun;13(2):158–63

Replacement of destroyed joints by prostheses in peripheral amputation injuries. Bartels H, et al. **Int J Artif Organs** 1982 May;5(3):213–4

Chronic fracture dislocation of the proximal interphalangeal joint–treatment by osteotomy and bone graft. Zemel NP, et al. **J Hand Surg** 1981 Sep;6(5):447–55

[A method of arthrodesis of the metacarpophalangeal joint] Møller E. **Ugeskr Laeger** 1982 Jan 4;144(1):28–9 **(Dan)**

[Trapezo-metacarpal prosthesis (author's transl)] Alnot JY. **Ann Radiol (Paris)** 1982 Apr–May;25(4):294–6 (Eng. Abstr.) **(Fre)**

[Joint replacement in the hand and finger region] Gschwend N. **Chirurg** 1981 Nov;52(11):696–705 **(Ger)**

[Arthrodeses of the thumb and long finger joints] Martin L. **Handchirurgie** 1981;13(3–4):221–30 (Eng. Abstr.) **(Ger)**

[Diamond-shaped bone graft for the treatment of pseudarthrosis and arthrodesis of small joints] Siebenmann R, et al. **Z Unfallmed Berufskr** 1982;75(2):91–5 **(Ger)**

TRANSPLANTATION

Experimental vascularized total joint autografts--a primate study. Tsai TM, et al. **J Hand Surg** 1982 Mar;7(2):140–6

FINGERPRINTS see **DERMATOGLYPHICS**

FINGERS

Finger tendon rupture following local application of triamcinolone-acetonide (Kenalog A-40). Jakubík J. **Acta Chir Plast (Prague)** 1981;23(3):180–8

Congenital anomaly of the tendons of the hand. Vicente Guillen P, et al. **Acta Orthop Belg** 1981;47(0):891–5

Digital regional analgesia. Ryding FN. **Anaesthesia** 1981 Oct; 36(10):969–70

Herpetic whitlow and ocular infection. Eiferman RA. **Ann Ophthalmol** 1982 May;14(5):453–5

Metacarpal phalangeal joint-driven index finger prosthesis. Miller LD. **Bull Prosthet Res** 1981 Spring;18(1):48–51

Prostaglandin E1 therapy for digital ulcers in scleroderma. Baron M, et al. **Can Med Assoc J** 1982 Jan 1;126(1):42–5

Late rupture of one slip on the floor digitorum superficialis: an unusual cause of triggering. Gordon SL. **Clin Orthop** 1981 Jul–Aug;(158):142–3

Aneurysmal bone cysts of the phalanges. A report of three cases. Chalmers J. **Hand** 1981 Oct;13(3):296–300

Phalangeal osteoid osteoma in the hand. Lamb DW, et al. **Hand** 1981 Oct;13(3):291–5

Clubbing of the fingers, with special reference to Schamroth's diagnostic method. Blumsohn D. **Heart Lung** 1981 Nov–Dec;10(6):1069–72

Blistering distal dactylitis [letter] Baran R. **J Am Acad Dermatol** 1982 May;6(5):948–9

Blistering distal dactylitis. McCray MK, et al. **J Am Acad Dermatol** 1981 Nov;5(5):592–4

Recurring digital fibroma. Mortimer G, et al. **J Clin Pathol** 1982 Aug;35(8):849–54

Osteochondroma of the distal phalanx. Ganzhorn RW, et al. **J Hand Surg** 1981 Nov;6(6):625–6

Congenital hemangioendothelioma of the hand--case report. Moss LA, et al. **J Hand Surg** 1982 Jan;7(1):53–6

Dorsal pedicle flap for resurfacing a moderate thumb-index web contracture release. Sandzén SC Jr. **J Hand Surg** 1982 Jan;7(1):21–4

Peripartum pseudomalignant myositis ossificans of the finger. Schecter WP, et al. **J Hand Surg** 1982 Jan;7(1):43–6

Proprioceptive modulation of somatosensory evoked potentials during active or passive finger movements in man. Abbruzzese G, et al. **J Neurol Neurosurg Psychiatry** 1981 Oct;44(10):942–9

Depth sense aesthesiometry: an advance in the clinical assessment of sensation in the hands. Smaje JC, et al. **J Neurol Neurosurg Psychiatry** 1981 Oct;44(10):950–6

Heberden's nodes' nails and pseudocysts [letter] Goldman

JA. **J Rheumatol** 1982 Jan–Feb;9(1):162
Diabetic trigger finger [letter] Benedetti A, et al. **N Engl J Med** 1982 Jun 24;306(25):1552
Ultrastructural histochemistry of infantile digital fibromatosis. Faraggiana T, et al. **Ultrastruct Pathol** 1981 Jul–Sep;2(3):241–7
[Rupture of the finger tendons after administration of triamcinolone acetonide (Kenalog A–40)] Jakubík J. **Rozhl Chir** 1981 Dec;60(12):805–11 (Eng. Abstr.) **(Cze)**
[Doppler in the diagnosis of glomus tumours (author's transl)] Trignano M, et al. **J Mal Vasc** 1981;6(3):161–5 **(Fre)**
[Glomus tumor, mistaken for an inflammation for 4 years] Helbig B, et al. **Handchirurgie** 1981;13(3–4):288–90 (Eng. Abstr.) **(Ger)**
[A case of osteoid osteoma of the proximal phalanx of the hand] Bachiocco R, et al. **Chir Organi Mov** 1981 May–Jun; 66(3):407–9 **(Ita)**
[Juvenile digital fibromatosis (a peculiar lesion of myofibroblastic nature) (author's transl)] De Rosa G, et al. **Pathologica** 1981 Jan–Feb;73(1023):111–6 (Eng. Abstr.) **(Ita)**
[Glomus tumor of the bone] Tokarowski A, et al. **Chir Narzadow Ruchu Ortop Pol** 1981;46(1):69–72 (Eng. Abstr.) **(Pol)**
[Intraosseous anesthesia in hand surgery] Tolstukhin ND. **Anesteziol Reanimatol** 1982 Jan–Feb;(1):53–5 (Eng. Abstr.) **(Rus)**
[Rehabilitation of patients with pandactylitis] Usol'tseva EV, et al. **Khirurgiia (Mosk)** 1981 Aug;(8):88–9 **(Rus)**
[Benign fibrous mesothelioma with articular manifestations and digital clubbing] Blöndal T, et al. **Lakartidningen** 1982 Mar 3;79(9):746–7 **(Swe)**

ABNORMALITIES

Inborn clinodactyly of the fifth finger combined with absence of the fifth metacarpal bone. Godunova GS. **Acta Chir Plast (Prague)** 1982;24(2):107–10
Picture of the month. Short-rib polydactyly dwarfism: Saldino–Noonan type. Kataria S, et al. **Am J Dis Child** 1982 Jul;136(7):639–40
The neurofaciodigitorenal (NFDR) syndrome. Freire-Maia N, et al. **Am J Med Genet** 1982 Mar;11(3):329–36
Linkage analysis with the trismus–pseudocamptodactyly syndrome. Robertson RD, et al. **Am J Med Genet** 1982 May;12(1):115–20
Brief clinical report: early recognition of the Coffin–Lowry syndrome. Wilson WG, et al. **Am J Med Genet** 1981; 8(2):215–20
Amniotic band syndrome associated with amniocentesis. Moessinger AC, et al. **Am J Obstet Gynecol** 1981 Nov 1; 141(5):588–91
Angular deformity of the middle fingers in a young athlete. A case report. Rayan GM, et al. **Am J Sports Med** 1982 Jan–Feb;10(1):51–4
An Indian family with postaxial polydactyly in four generations. Kucheria K, et al. **Clin Genet** 1981 Jul; 20(1):36–9
Triphalangeal thumbs–ectrodactyly in a sporadic case. Majewski F, et al. **Clin Genet** 1981 Oct;20(4):310–4
Familial tricho-rhino-phalangeal syndrome Type II. Murachi S, et al. **Clin Genet** 1981 Mar;19(3):149–55
A troublesome flexor tendon anomaly. Evans DM. **Hand** 1982 Feb;14(1):51–2
Osteotomy for digital deformity. Froimson AI. **J Hand Surg** 1981 Nov;6(6):585–9
Toe transfers for congenital hand defects. Gilbert A. **J Hand Surg** 1982 Mar;7(2):118–24
Abnormal metacarpal heads in brachymesophalangy—report of a case and review of the literature. Renton P, et al. **J Hand Surg** 1981 Nov;6(6):545–9
Congenital central ray deficiency in the hand– a survey of 59 cases and subclassification. Tada K, et al. **J Hand Surg** 1981 Sep;6(5):434–41
Ectrodactyly, cleft lip and palate in two half sibs. Lewis MB, et al. **J Med Genet** 1981 Oct;18(5):394–6
Distal symphalangism associated with camptodactyly. Ohdo S, et al. **J Med Genet** 1981 Dec;18(6):456–8
Ankyloblepharon filiforme adnatum. Yamaguchi C, et al. **Jpn J Ophthalmol** 1982;26(1):37–40
Two cases of congenital hypothalamic hamartoblastoma, polydactyly, and other congenital anomalies (Pallister–Hall syndrome) [letter] Huff DS, et al. **N Engl J Med** 1982 Feb 18;306(7):430–1
Radiologic problem of the mouth: lucency of left hemithorax. Subbarao K. **NY State J Med** 1982 May;82(6):933
Lethal short-rib polydactyly syndrome of the Majewski type: a report of three cases. Cooper CP, et al. **Radiology** 1982 Aug;144(3):513–7
[Facial asymmetry syndrome during crying associated with other abnormalities] Hrobоňová V, et al. **Cesk Pediatr** 1982 Jan;37(1):30–2 (Eng. Abstr.) **(Cze)**
[Symphalangism (author's transl)] Seigneuric C, et al. **Ann Radiol (Paris)** 1982 Mar;25(3):213–6 (Eng. Abstr.) **(Fre)**
[An unusual aglossia–adactylia syndrome (author's transl)] Deffez JP, et al. **Rev Stomatol Chir Maxillofac** 1981; 82(4):241–6 (Eng. Abstr.) **(Fre)**
[Echodactyly syndrome, ectodermic dysplasia, facial cleft, and EEC syndrome : report on 12 cases (author's transl)] Psaume J, et al. **Rev Stomatol Chir Maxillofac** 1981; 82(4):226–9 (Eng. Abstr.) **(Fre)**
[Trichorhinophalangeal syndrome : analysis of craniofacial architecture in six cases (author's transl)] Scheffer P, et al. **Rev Stomatol Chir Maxillofac** 1981;82(4):230–3 (Eng. Abstr.) **(Fre)**
[Congenital bilateral amastia in a mother and a daughter (author's transl)] Heckmann U. **Geburtshilfe Frauenheilkd** 1982 Apr;42(4):318–20 (Eng. Abstr.) **(Ger)**
[Asymmetrical macrodactyly] Jost JO, et al. **Handchirurgie** 1980;12(3–4):235–8 (Eng. Abstr.) **(Ger)**
[Short rib–polydactyly syndrome of the Saldino–Noonan type in 2 siblings] Rupprecht E, et al. **Helv Paediatr Acta** 1982 May;37(2):161–9 (Eng. Abstr.) **(Ger)**
[Congenital ulnar and digital aplasia with elbow dislocation (author's transl)] Arany L, et al. **Magy Traumatol Orthop Helyreallito Sebesz** 1981; 24(4):313–5 **(Hun)**
[A case of bilateral bifid foot associated with ectrodactyly of the upper limbs] Biggi F, et al. **Chir Ital** 1982 Feb; 34(1):164–71 **(Ita)**
[The EEC or Rüdinger syndrome. Presentation of a case and orthopedic treatment] Frediani P, et al. **Chir Organi Mov** 1981;66(5):431–8 **(Ita)**
[Clinical note on a case of ectrodactyly] Marconi F, et al. **Chir Organi Mov** 1979 Nov–Dec;65(6):767–9 **(Ita)**
[Clinical considerations on a probable new case of the Coffin–Siris syndrome] D'Elia R, et al. **Minerva Pediatr** 1981 Oct 31;33(20):1021–4 **(Ita)**
[The Kaufman–McKusick syndrome. Report of a second family] Gilli G, et al. **Pathologica** 1981 Sep–Oct; 73(1027):831–4 (Eng. Abstr.) **(Ita)**
[Hereditary brachydactyly with nail aplasia] Santos HG, et al. **Acta Med Port** 1981 Mar–Apr;3(2):147–60 **(Por)**
[Hereditary oculodentodigital syndrome] Bochkova DN, et al. **Klin Med (Mosk)** 1981 Oct;59(10):102–3 **(Rus)**
[Phenotypic variability of the appearance of asphyxiating thoracic dysplasia (author's transl)] Cisarik F, et al. **Cesk Radiol** 1982 Jan;36(1):32–9 (Eng. Abstr.) **(Slo)**
[The PIV syndrome (polydactylia, imperforate anus, vertebrogenous anomalies (author's transl)] Mersten A, et al. **Cesk Radiol** 1981 Jul;35(4):233–8 (Eng. Abstr.) **(Slo)**
[Type I trichorhinophalangeal syndrome] De los Cobos LF, et al. **Bol Med Hosp Infant Mex** 1982 Mar;39(3):211–4 (Eng. Abstr.) **(Spa)**

ANATOMY & HISTOLOGY

Distribution of hair on the phalanges of the hand in Nigerians. Singh JD. **Acta Anat (Basel)** 1982;112(1):31–5
Mesotendons of digital flexor muscles and their vasculature. Zbrodowski A, et al. **Hand** 1981 Oct;13(3):231–8
[Functional anatomy of the hand (author's transl)] Kenesi C. **Ann Radiol (Paris)** 1982 Apr–May;25(4):268–73 (Eng. Abstr.) **(Fre)**
[Micro–constructive studies of human digital flexor tendon and tendon sheath—observation by scanning electron microscope and light microscope (author's transl)] Takahashi M. **Nippon Seikeigeka Gakkai Zasshi** 1982 Feb 25;56(2):133–47 (Eng. Abstr.) **(Jpn)**
[Metacarpal and phalangeal length in a metropolitan population of Caracas, in both sexes in adults and in children 2 to 18 years of age] Arias Cazorla S, et al. **Acta Cient Venez** 1980;31(5):475–84 (Eng. Abstr.) **(Spa)**

BLOOD SUPPLY

Reduced systolic blood pressure in fingers of patients with generalized scleroderma (acrosclerosis). Henriksen O, et al. **Acta Derm Venereol (Stockh)** 1981;61(6):531–4
Digital ischemia: angiographic differentiation of embolism from primary arterial disease. Maiman MH, et al. **AJR** 1981 Dec;137(6):1183–7
Morphological microcirculatory aspects in chronic uremia. Trevisan G, et al. **Biochem Exp Biol** 1980;16(3):227–37
Cold response of digital arteries in chain saw operators. Olsen N, et al. **Br J Ind Med** 1982 Feb;39(1):82–8
Hypothenar hammer syndrome. Foster DR, et al. **Br J Radiol** 1981 Nov;54(647):995–6
Ischaemia after use of finger tourniquet. Dove AF, et al. **Br Med J [Clin Res]** 1982 Apr 17;284(6323):1162–3
Ischaemia after use of finger tourniquets [letter] Evans D. **Br Med J [Clin Res]** 1982 May 15;284(6327):1478–9
Relief from digital vasospasm by treatment with captopril and its complete inhibition by serine proteinase inhibitors in Raynaud's phenomenon. Miyazaki S, et al. **Br Med J [Clin Res]** 1982 Jan 30;284(6312):310–11
Beta-adrenergic vasodilator mechanism in the finger. Cohen RA, et al. **Circ Res** 1981 Nov;49(5):1196–201
Effects of combined alpha- and beta-receptor blockade on peripheral circulation in essential hypertension. Heck I, et al. **Clin Sci [Suppl]** 1981 Dec;61(7):429s–432s
Low molecular weight dextran therapy for digital ischemia due to collagen vascular disease. Berglund B, et al. **Dermatologica** 1981;163(4):353–7
A quantitative Allen's test. Scavenius M, et al. **Hand** 1981 Oct;13(3):318–20
Digital occlusion in an infant [letter] Deshmukh VR, et al. **Indian Pediatr** 1981 Oct;18(10):766
Noninvasive pulsed Doppler blood velocity measurements and calculated flow in human digital arteries. Greene ER, et al. **ISA Trans** 1981;20(2):15–24
Finger temperature after a finger–cooling test: influence of air temperature and smoking. Cleophas TJ, et al. **J Appl Physiol** 1982 May;52(5):1167–71
Acute blue fingers in women. Deliss LJ, et al. **J Bone Joint Surg [Br]** 1982;64(4):458–9
Blood flow in fingers in generalized scleroderma with Raynaud's phenomenon: influence of arterial blood pressure reduction and proximal vasodilatation. Kristensen JK. **J Invest Dermatol** 1981 Oct;77(4):373–6
Gangrene of a fingertip from a mitten thread [letter] Rork PE, et al. **JAMA** 1982 Aug 27;248(8):924–5
Finger blood flow decrease in leg exercise. Kitamura K, et al. **Jpn J Physiol** 1982;32(1):141–4
Treatment of finger ischemia with Bier block reserpine. Taylor LM Jr, et al. **Surg Gynecol Obstet** 1982 Jan; 154(1):39–43
[Changes in peripheral vessel reflex activity in patients with onychomycosis (author's transl)] Figar S, et al. **Cesk Dermatol** 1981 Oct;56(5):288–96 (Eng. Abstr.) **(Cze)**
[Blood vessel supply of the flexor sinews (microanatomy) (author's transl)] Scharizer E. **Aktuel Traumatol** 1981 Aug; 11(4):109–13 (Eng. Abstr.) **(Ger)**
[Autologous vein transplants for digital revascularization after hand injuries] Schlenker JD, et al. **Handchirurgie** 1981; 13(1–2):131–7 (Eng. Abstr.) **(Ger)**
[A study of occupational vibration–induced disease – correlation between digital angiographic findings in patients mainly with occupational chain saw vibration–induced disturbance and sensory disorder (sensation of digital numbness), and somatosensory evoked response (SER) (author's transl)] Habu K, et al. **Igaku Kenkyu** 1980 May;50(4):323–46 **(Jpn)**
[Blood supply of the finger flexor tendons inside the synovial bursa] Zbrodowski A, et al. **Chir Narzadow Ruchu Ortop Pol** 1981;46(3):287–93 (Eng. Abstr.) **(Pol)**
[The use of thermographic method and of 133Xe clearance in diagnostic studies of peripheral blood circulation disturbances under effect of vibration (author's transl)] Koradecka D. **Przegl Lek** 1981;38(8):629–32 (Eng. Abstr.) **(Pol)**
[Vascular disorders and trophic disorders in the fingers in acrosclerosis] Dosychev EA, et al. **Klin Med (Mosk)** 1982 Apr;60(4):84–9 (Eng. Abstr.) **(Rus)**

INNERVATION

Digital nerves. A qualitative and quantitative ultrastructural study in man. Jimeno E, et al. **Acta Orthop Belg** 1981 May–Jun;47(3):351–9
Carpal tunnel syndrome. Measurement of sensory potentials using ring and index fingers. Monga TN, et al. **Am J Phys Med** 1982 Jun;61(3):123–9
Unsuspected digital nerve lesions responsible for abnormal median sensory responses. Jablecki C, et al. **Arch Phys Med Rehabil** 1982 Mar;63(3):135–8
Non–cephalic reference recording of early somatosensory potentials to finger stimulation in adult or aging normal man: differentiation of widespread N18 and contralateral N20 from the prerolandic P22 and N30 components. Desmedt JE, et al. **Electroencephalogr Clin Neurophysiol** 1981 Dec;52(6):553–70
Wrist and digital nerve blocks. Leversee JH, et al. **J Fam Pract** 1981 Sep;13(3):415–21
The effects of digital nerve stimulation on the firing of motor units in human first dorsal interosseous muscle. Datta AK, et al. **J Physiol (Lond)** 1981 Sep;318:501–10
Flutist's neuropathy [letter] Cynamon KB. **N Engl J Med** 1981 Oct 15;305(16):961
[Microsurgical repair of 110 digital nerves (author's transl)] Khuc T, et al. **Acta Chir Belg** 1982 May–Jun;82(3):271–80 **(Fre)**
[Abnormal innervation of the index finger] Stober R. **Handchirurgie** 1981;13(3–4):266–7 (Eng. Abstr.) **(Ger)**
[Procedures in digital nerve injuries. Results of primary nerve sutures] Pfeiffer KM, et al. **Ther Umsch** 1981 Dec; 38(12):1201–7 (Eng. Abstr.) **(Ger)**
[Practical value of pallesthesiometry for the prevention and diagnosis of vibration disease] Iżycki J. **Pol Tyg Lek** 1981 Aug 3;36(31):1187–9 (Eng. Abstr.) **(Pol)**
[Indications for restoration of the nerves of the hand and fingers] Belousov AE, et al. **Ortop Travmatol Protez** 1981 Nov;(11):17–20 (Eng. Abstr.) **(Rus)**
[Quantitative measurement of muscle and joint sensitivity in focal brain lesions] Smirnov NA, et al. **Zh Nevropatol Psikhiatr** 1982;82(5):1–7 (Eng. Abstr.) **(Rus)**

PATHOLOGY

Phalangeal microgeodic syndrome in childhood. A case report. Meller Y, et al. **Acta Orthop Scand** 1982 Aug; 53(4):553–6
Amputating gangrene in Kawasaki disease. Teixeira OH, et al. **Can Med Assoc J** 1982 Jul 15;127(2):132–4
Ultrastructural investigations of finger pulp biopsies: a study of 31 patients with Raynaud's syndrome. Vajda K, et al. **Ultrastruct Pathol** 1982 Apr–Jun;3(2):175–86
[Distal myopathies: critical study and report on one case (author's transl)] Serratrice G, et al. **Ann Med Interne (Paris)** 1982;133(3):192–9 (Eng. Abstr.) **(Fre)**
[Rare localization of a small sweat gland adenoma of the skin] Lohmann H, et al. **Handchirurgie** 1981;13(3–4):285–7 (Eng. Abstr.) **(Ger)**

[Hypoalbuminemia and remission of acropachy (letter)] Sillero C, et al. **Med Clin (Barc)** 1982 Mar 16;78(6):256 **(Spa)**

PHYSIOLOGY

Digital pulse volume in the evaluation of haemodynamic effects of cardiac pacing. Edhag O, et al. **Clin Physiol** 1981 Jun;1(3):263–74

Isolated finger flexion force—a methodological study. Ejeskär A, et al. **Hand** 1981 Oct;13(3):223–30

The absence of position response in spindle afferent units from human finger muscles during accurate position holding. Hulliger M, et al. **J Physiol (Lond)** 1982 Jan; 322:167–79

The left–to–right difference in warned reaction times of finger movements. Hongo T, et al. **Physiol Behav** 1981 Jun; 26(6):1109–13

[Functional value of replanted fingers (author's transl)] Monballiu G. **Acta Chir Belg** 1981 Sep–Oct;80(5):237–44 (Eng. Abstr.) **(Dut)**

PHYSIOPATHOLOGY

The effect of local cooling on digital systolic pressure in patients with Raynaud's syndrome. Hoare M, et al. **Br J Surg** 1982 Jun;69 Suppl:S27–8

Smear site selection with particular reference to the fingers. A study in 244 long–treated lepromatous patients. Warndorff–van Diepen T. **Int J Lepr** 1982 Mar;50(1):39–42

A microprocessor–based ultrasonic limb movement monitoring system. Brown AW. **J Biomed Eng** 1981 Oct; 3(4):275–80

RADIOGRAPHY

Phalangeal microgeodic syndrome in childhood. A case report. Meller Y, et al. **Acta Orthop Scand** 1982 Aug; 53(4):553–6

Irregularities at the base of the proximal phalanges: false indicator of early rheumatoid arthritis. Stelling CB, et al. **AJR** 1982 Apr;138(4):695–8

Guitar player acro–osteolysis. Destouet JM, et al. **Skeletal Radiol** 1981;6(4):275–7

[Multidimensional statistical analysis of the length of metacarpal and finger bones in Turner's syndrome (author's transl)] Flejsierowicz Z, et al. **Pol Przegl Radiol** 1981 Jan–Feb;45(1):1–5 (Eng. Abstr.) **(Pol)**

SURGERY

Replantaion of portions of four fingers–long–term functional results. Chow JA, et al. **Ann Plast Surg** 1981 Nov; 7(5):407–10

Oxygen levels in claudicating fingers: a 3 year follow–up after replantation. Smith AR, et al. **Br J Plast Surg** 1981 Jul;34(3):342–4

Spontaneous rupture of flexor tendons of a little finger due to projection of the hook of the hamate. A case report. Okuhara T, et al. **Hand** 1982 Feb;14(1):71–4

Compression of the distal ulnar nerve with clawing of the index finger. Packer NP, et al. **Hand** 1982 Feb;14(1):38–40

Squamous–cell carcinoma of the nail bed. Hazelrigg DE, et al. **J Dermatol Surg Oncol** 1982 Mar;8(3):200–1

Recurrent turret exostoses—case report. Bourguignon RL. **J Hand Surg** 1981 Nov;6(6):578–82

Glomus tumor associated with pacinian hyperplasia—case report. Greider JL Jr, et al. **J Hand Surg** 1982 Mar; 7(2):113–7

Microvascular double toe transfer for opposable digits—case report and rationale for treatment. Lichtman DM, et al. **J Hand Surg** 1982 May;7(3):279–83

Free palmar skin grafts for resurfacing digital defects. Mack GR, et al. **J Hand Surg** 1981 Nov;6(6):565–7

The thenar flap—An analysis of its use in 150 cases. Melone CP Jr, et al. **J Hand Surg** 1982 May;7(3):291–7

Infection following pulp pull–through technique of flexor tendon grafting. Schlenker JD. **J Hand Surg** 1981 Nov; 6(6):550–2

Reduction flexor tenoplasty. Treatment of stenosing flexor tenosynovitis distal to the first pulley. Seradge H, et al. **J Hand Surg** 1981 Nov;6(6):543–4

Subcutaneous implantation of magnets in fingertips of professional gamblers–case report. Wishnitzer R, et al. **J Hand Surg** 1981 Sep;6(5):473–4

Effects of fingers of leprosy patients having surgical removal of sublimus tendons. Reddy NR, et al. **Lepr India** 1981 Oct;53(4):594–9

Surgery of hand and finger amputations. Beasley RW. **Orthop Clin North Am** 1981 Oct;12(4):763–803

Controlled digital hypothermia. Caffee HH, et al. **Plast Reconstr Surg** 1982 Jun;69(6):1013–4

Primary tendon healing. An experimental study. de Klerk AJ, et al. **S Afr Med J** 1982 Aug 21;62(9):276–81

[Experience of replantation of traumatic amputation of 121 fingers (author's transl)] Cheng GL, et al. **Chung Hua Wai Ko Tsa Chih** 1981 Jan;19(1):10–3 (Eng. Abstr.) **(Chi)**

[Dynamic splinting in flexor tendon surgery] Mandl H, et al. **Handchirurgie** 1980;12(3–4):201–3 (Eng. Abstr.) **(Ger)**

[Swan–neck deformity] Pampurik E. **Handchirurgie** 1980; 12(3–4):185–7 (Eng. Abstr.) **(Ger)**

[Tendolysis] Wilhelm K. **Handchirurgie** 1980;12(3–4):171–4 (Eng. Abstr.) **(Ger)**

[The flexor tendon suture] Wulle C. **Handchirurgie** 1981; 13(3–4):197–8 (Eng. Abstr.) **(Ger)**

[Microsurgical replantation on the hand with special reference to the socioeconomic aspects] Ingianni G, et al. **Z Plast Chir** 1981 Dec;5(4):254–9 **(Ger)**

[Index finger replacement by the third finger. Indications and surgical technic] Pagliughi G, et al. **Chir Ital** 1981 Oct; 33(5 Suppl 1):6–9 **(Ita)**

[Results of treatment of intraosseous chondroma] Zmysłowski J. **Chir Narzadow Ruchu Ortop Pol** 1981;46(5):491–4 **(Pol)**

[Problems of technic and procedure in replantation of the fingers] Belousov AE. **Vestn Khir** 1981 Oct;127(10):108–10 (Eng. Abstr.) **(Rus)**

[Replantation of the fingers] Belousov AE, et al. **Vestn Khir** 1981 Nov;127(11):128–32 (72 ref.) **(Rus)**

TRANSPLANTATION

[First aid for the thumb–amputated hand with reference to a primary or secondary pollicization] Brandt KA, et al. **Handchirurgie** 1981;13(1–2):28–30 (Eng. Abstr.) **(Ger)**

[Free contralateral index finger pollicization] Büchler U, et al. **Handchirurgie** 1981;13(1–2):36–45 (Eng. Abstr.) **(Ger)**

[Thumb replacement by finger exchange and osteoplastic method with island flap plastic surgery after injuries] Manninger J. **Handchirurgie** 1981;13(1–2):3–9 (Eng. Abstr.) **(Ger)**

[Transport of finger parts using an abdominal skin flap for finger and thumb reconstructive plastic surgery] Wintsch K. **Handchirurgie** 1981;13(1–2):56–61 (Eng. Abstr.) **(Ger)**

FINGERSUCKING

OCCURRENCE

Thumb and finger sucking. Cerny R. **Aust Dent J** 1981 Jun; 26(3):167–71

PHYSIOPATHOLOGY

Clinical crown length in 9–, 11– and 13–year–old children with and without finger–sucking habit. Larsson E, et al. **Br J Orthod** 1981 Oct;8(4):171–3

PSYCHOLOGY

Symptom substitution: a case study. Ottenbacher K, et al. **Am J Psychoanal** 1981 Summer;41(2):173–5

FIRE EXTINGUISHING SYSTEMS see under **FIRES**

FIRE RETARDANTS see **FLAME RETARDANTS**

FIREPROOFING AGENTS see **FLAME RETARDANTS**

FIRES

Hotel fires. Some tips on survival. Aynes J. **Am J Forensic Med Pathol** 1981 Jun;2(2):183–4

Hotel fires safety tips [letter] Burns AC. **Am J Forensic Med Pathol** 1981 Sep;2(3):280

The medicolegal and forensic aspects of fires. Eckert WG. **Am J Forensic Med Pathol** 1981 Dec;2(4):347–57

The effect of occupational exposure on pulmonary function: a longitudinal evaluation of fire fighters and nonfire fighters. Sparrow D, et al. **Am Rev Respir Dis** 1982 Mar; 125(3):319–22

Ignition capabilities of laryngoscopes [letter] Jephcott A. **Anaesth Intensive Care** 1981 Nov;9(4):397–8

Laser fire hazards [letter] Bennett MJ, et al. **Anesth Analg (Cleve)** 1982 Jun;61(6):546–7

A surgical field flash fire during the separation of dicephalus dipus conjoined twins. Ashcraft KE, et al. **Anesthesiology** 1981 Oct;55(4):457–8

Laser–induced endotracheal tube fire. Cozine K, et al. **Anesthesiology** 1981 Nov;55(5):583–5

Endotracheal tube Ignition during laryngeal surgery with resectoscope. Rita L, et al. **Anesthesiology** 1982 Jan; 56(1):60–1

The MGM Grand Hotel fire: lessons learned from a major disaster. Buerk CA, et al. **Arch Surg** 1982 May;117(5):641–4

Poisoning from fumes from polystyrene fire [letter] Garnier R, et al. **Br Med J [Clin Res]** 1981 Dec 12;283(6306):1610–1

Inhalation of toxic products from fires. Birky MM, et al. **Bull NY Acad Med** 1981 Dec;57(10):997–1013

Fire fighting and coronary heart disease. Dibbs E, et al. **Circulation** 1982 May;65(5):943–6

Getting fed when disaster strikes. Savage D. **Dimens Health Serv** 1981 Jul;58(7):14–5

Comparison of the genotoxic activities of extracts from ambient and forest fire polluted air. Viau CJ, et al. **Environ Mutagen** 1982;4(1):37–43

Effect of fire on soil microorganisms in a Meghalaya pine forest. Sharma GD. **Folia Microbiol (Praha)** 1981; 26(4):321–7

The New York City fire epidemic as a toxic phenomenon. Wallace R. **Int Arch Occup Environ Health** 1982; 50(1):33–51

Social validation and training of emergency fire safety skills for potential injury prevention and life saving. Jones RT, et al. **J Appl Behav Anal** 1981 Fall;14(3):249–60

The concentration and analysis of volatile hydrocarbons in fire debris using Tenax–GC. Russell LW. **J Forensic Sci Soc** 1981 Oct;21(4):317–26

A comparison of the relative sensitivities of the adsorption wire and other methods for the detection of accelerant residues in fire debris. Twibell JD, et al. **J Forensic Sci Soc** 1982 Apr;22(2):155–9

The use of Halon 1301 for firefighting in confined spaces. Harrison JN, et al. **J Soc Occup Med** 1982 Jan;32(1):37–43

Firefighters' reaction to alarm, an ECG and heart rate study. Kuorinka I, et al. **JOM** 1981 Nov;23(11):762–6

Carbon monoxide poisoning and fire–associated deaths [letter] Roberts RM. **Lancet** 1981 Oct 10;2(8250):816

Fire deaths in the Glasgow area: I General considerations and pathology. Anderson RA, et al. **Med Sci Law** 1981 Jul;21(3):175–83

Fire deaths in the Glasgow area: ii the role of carbon monoxide. Anderson RA, et al. **Med Sci Law** 1981 Oct; 21(4):288–94

Fire deaths in the Glasgow area: III. The role of hydrogen cyanide. Anderson RA, et al. **Med Sci Law** 1982 Jan; 22(1):35–40

Relationship between simulated fire fighting tasks and physical performance measures. Davis PO, et al. **Med Sci Sports Exerc** 1982;14(1):65–71

Medical evaluation of fire fighters: How fit are they for duty? Davis PO, et al. **Postgrad Med** 1982 Aug;72(2):241–5, 248

[Study of the causes of death in fires] Anderson RA, et al. **Ned Tijdschr Geneeskd** 1982 Jan 30;126(5):182–8 (Eng. Abstr.) **(Dut)**

[Use and formalizing of toxicity parameters for characterizing polymeric materials in combustion] Eltingon AI. **Gig Sanit** 1982 Apr;(4):82–4 (16 ref.) **(Rus)**

PREVENTION & CONTROL

Prevention of fire hazards associated with use of carbon dioxide lasers. Patel KF, et al. **Anesth Analg (Cleve)** 1981 Dec;60(12):885–8

Fire safety in dwellings and public buildings. Clarke FB, et al. **Bull NY Acad Med** 1981 Dec;57(10):1047–60

Early warning fire safety. Morehart J. **Dimens Health Serv** 1982 Apr;59(4):28

New changes in Life Safety Code expected to be JCAH accreditation requirements in late 1982. **Hospitals** 1982 Feb 16;56(4):74, 77

Standard fire tests for building materials and structures. Read RE. **R Soc Health J** 1981 Oct;101(5):190–5

[Fire safety in the Navarra University Hospital] Montes F. **Rev Med Univ Navarra** 1981 Jun;25(2):57–60 **(Spa)**

FIRESETTING BEHAVIOR see under **IMPULSE CONTROL DISORDERS**

FIRST AID

Australian work in first aid of poisonous snakebite [letter] Oxer HF. **Ann Emerg Med** 1982 Apr;11(4):228

Prehospital analgesia with nitrous oxide/oxygen. McKinnon KD. **Can Med Assoc J** 1981 Oct 15;125(8):836–40

Designing a drug kit. Morrow GT. **Dent Clin North Am** 1982 Jan;26(1):21–33

Social validation and training of emergency fire safety skills for potential injury prevention and life saving. Jones RT, et al. **J Appl Behav Anal** 1981 Fall;14(3):249–60

First aid procedures for dental emergencies. Barsky NH, et al. **J Sch Health** 1982 Jan;52(1):43–5

Chemical burns: effect of prompt first aid. Leonard LG, et al. **J Trauma** 1982 May;22(5):420–3

A first aid and CPR course for first–year medical students. Nelson M. **Med Educ** 1982 Jan;16(1):7–11

Pressure/immobilisation first aid treatment of snake bite [letter] **Med J Aust** 1982 Feb 20;1(4):155, 157

Retarding the uptake of 'mock venom' in humans: comparison of three first–aid treatments. Anker RL, et al. **Med J Aust** 1982 Mar 6;1(5):212–4

First aid in envenomation [editorial] Fisher M. **Med J Aust** 1982 Mar 6;1(5):198

The effectiveness of the pressure/immobilization first aid technique in the case of a tiger snake bite. Murrell G. **Med J Aust** 1981 Sep 19;2(6):295

First–aid for snake–bite: efficacy of a constrictive bandage with limb immobilization in the management of human envenomation. Pearn J, et al. **Med J Aust** 1981 Sep 19; 2(6):293–5

Cooling for first aid in snake bite [letter] Glass TG Jr. **N Engl J Med** 1981 Oct 29;305(18):1095

Probing the psychology of helping. Fergus C. **Occup Health Saf** 1982 Feb;51(2):39–40

Stimulating excitement in first aid training. Hartunian P. **Occup Health Saf** 1981 Dec;50(12):18–22

Tailoring first aid to fit company needs. Peters DF. **Occup Health Saf** 1981 Dec;50(12):36–40, 42, 52

[Emergency medical care] Pokorný J, et al. **Zdrav Aktual** 1981;194:3–170 **(Cze)**

[First aid for burns] Klaue P. **Chirurg** 1981 Oct;52(10):618–26 **(Ger)**

[Bomb attack at the Octoberfest, Munich, 1980. Course, analysis, results] Konzert–Wenzel J, et al. **Fortschr Med** 1981 Sep 24;99(36):1423–7 **(Ger)**

[First aid for the thumb–amputated hand with reference to a primary or secondary pollicization] Brandt KA, et al. **Handchirurgie** 1981;13(1–2):28–30 (Eng. Abstr.) **(Ger)**

[Today's accident surgery. Evaluation and first aid at the location of the accident (editorial)] Schweiberer L.

MMW 1982 Apr 9;124(14):333–4 (Ger)
[Posttraumatic spinal cord lesion. Diagnosis and treatment at the acute stage (author's transl)] Meinecke FW. **Unfallheilkunde** 1982 Feb;85(2):42–50 (Eng. Abstr.) (Ger)
[The value of preclinical care in open fractures (author's transl)] Rojczyk M, et al. **Unfallheilkunde** 1982 Feb; 85(2):72–5 (Eng. Abstr.) (Ger)
[Prehospitalization first aid in selected internal diseases] Weser C. **Z Arztl Fortbild (Jena)** 1982 Apr 1;76(7):277–82 (Ger)
[The new company first-aid person: tasks, activities, training] Gatz KJ. **Zentralbl Arbeitsmed Arbeitsschutz Prophyl Ergonomie** 1982 May;32(5):172–5 (Ger)
[VBG 109 'first aid' from the point of view of the factory medical officer] Saure E. **Zentralbl Arbeitsmed Arbeitsschutz Prophyl Ergonomie** 1981 Apr;31(4):148–50 (Ger)
[Emergency in general medicine (6). Inguinal hernia as an emergency] Feldmann M. **ZFA (Stuttgart)** 1981 Dec 20; 57(35–36):2443–4 (Ger)
[Primary care of the traumatized patient] Naber M, et al. **ZFA (Stuttgart)** 1981 Apr 30;57(12):948–56 (Ger)
[Emergency in general medicine (4). Blunt and open abdominal injury] Naber M. **ZFA (Stuttgart)** 1981 Nov 30; 57(33):2333–4 (Ger)
[Emergency in general medicine (1)] Pillau H. **ZFA (Stuttgart)** 1981 Oct 31;57(30):2089–90 (Ger)
[The aviation health service and the Irpino–Lucano earthquake. Diary of an emergency (24 November – 18 December, 1980)] **Riv Med Aeronaut Spaz** 1980 Jul–Dec; 43(3–4):392–400 (Ita)
[Central electroanalgesia in arresting the acute pain–ischemic syndrome at the prehospital stage] Estrin VA, et al. **Kardiologiia** 1981 Dec;21(12):81–5 (Eng. Abstr.) (Rus)
[Current aspects of rendering care and treatment to the victims of multiple and combined injuries before the hospital stage] Gur'ev VN, et al. **Ortop Travmatol Protez** 1981 Apr;(4):10–2 (Eng. Abstr.) (Rus)
[Treatment of victims of traffic accidents at the stage before hospital care] Imamaliev AS, et al. **Ortop Travmatol Protez** 1981 Jul;(7):1–5 (Eng. Abstr.) (Rus)
[Scope and nature of the activities of the first aid resuscitation team in the traffic accidents in large cities] Kustova EA, et al. **Ortop Travmatol Protez** 1982 Jan;(1):59–61 (Rus)
[Status and prospects of research development in the USSR into the problem of medical first aid] Komarov BD, et al. **Sov Med** 1981;(10):69–74 (Rus)
[Medical first aid for the pediatric population in different types of cities] Buzova TS. **Sov Zdravookhr** 1981;(9):35–40 (Eng. Abstr.) (Rus)
[Organization of care for myocardial infarct patients in the prehospital stage] Gafarov VV. **Sov Zdravookhr** 1982; (5):40–4 (Eng. Abstr.) (Rus)
[Patterns in incoming calls for medical first aid in Moscow] Komarov BD, et al. **Sov Zdravookhr** 1982;(1):21–4 (Eng. Abstr.) (Rus)
[Urban population referrals for medical first aid because of acute gastrointestinal diseases] Korzenko VN, et al. **Sov Zdravookhr** 1981;(9):43–6 (Eng. Abstr.) (Rus)
[Plant poisoning – first aid and treatment] Vojvodić V, et al. **Arh Hig Rada Toksikol** 1981;32(2):191–209 (Eng. Abstr.) (Scr)

METHODS

The sports medicine patient. Garrick JG. **Nurs Clin North Am** 1981 Dec;16(4):759–66

FISH DISEASES

Cataracts in cichlid fish. Noga EJ, et al. **J Am Vet Med Assoc** 1981 Dec 1;179(11):1181–2

BLOOD

Examination of interaction of trypanosome infection and crude oil exposure on hematology of the longhorn sculpin (Myoxocephalus octodecemspinosus). Kiceniuk JW, et al. **Bull Environ Contam Toxicol** 1982 Apr;28(4):435–8

CHEMICALLY INDUCED

Renal changes in selenium–exposed fish. Sorensen EM, et al. **Am J Forensic Med Pathol** 1982 Jun;3(2):123–9
Evidence for metal poisoning in acute deaths of large red drum (Sciaenops ocellata). Cardeilhac PT, et al. **Bull Environ Contam Toxicol** 1981 Nov;27(5):639–44
Kraft pulp mill effluent components cause liver dysfunction in trout. Oikari AO, et al. **Bull Environ Contam Toxicol** 1982 Mar;28(3):266–70
[Liver cancer in the rainbow trout. Its sudden appearance and its quick disappearance in West Germany 1968–1973—its cause and its control] Wunder W. **Med Welt** 1981 Oct 9;32(41):1548–51 (Ger)
[Tumors of hydrobionts and monitoring of carcinogenic pollution of water environment] Khudoleĭ VV, et al. **Usp Sovrem Biol** 1982 May–Jun;93(3):466–74 (Rus)
[Action of N–dinitrosopiperazine and N–nitrosodiethylamine on aquarium guppies] Simon K, et al. **Vopr Onkol** 1982; 28(6):45–9 (Eng. Abstr.) (Rus)

DIAGNOSIS

Biologics used for serodiagnostics of fish pathogens (viruses). **Dev Biol Stand** 1981;49:1–82
Fish biologics: serodiagnostics and vaccines. **Dev Biol Stand** 1981;49:1–486
Biologics used for serodiagnostics of fish pathogens (bacteria). **Dev Biol Stand** 1981;49:83–205

ENZYMOLOGY

[Aspartate and alanine aminotransferase activity in the alimentary tract of carps (Cyprinus carpio L.) infected with tapeworms Bothriocephalus gowkongensis Yeh, 1955 or Khawia sinensis Hsü. 1935] Lozińska–Gabska M. **Wiad Parazytol** 1981;27(6):717–43 (Eng. Abstr.) (Pol)

ETIOLOGY

Sublethal copper stress and susceptibility of channel catfish to experimental infections with Ichthyophthirius multifiliis. Ewing MS, et al. **Bull Environ Contam Toxicol** 1982 Jun; 28(6):674–81
[Etiology of erythrodermatitis of the carp] Schulz D, et al. **Zentralbl Veterinarmed [B]** 1981;28(6):450–82 (Eng. Abstr.) (Ger)

FAMILIAL & GENETIC

Cytogenetics of neoplasia of Xiphophorus. Chatterjee K, et al. **Cancer Genet Cytogenet** 1981 Apr;3(3):195–209
Elevated sister chromatid exchange rate in lymphocytes of the European eel (Anguilla anguilla) with cauliflower tumor. Park EH, et al. **Cancer Genet Cytogenet** 1982 Feb; 5(2):137–45
Age–specific incidence of hereditary melanomas in the Xiphophorus fish hybrids. Ozato K, et al. **Carcinogenesis** 1981;2(2):129–33

IMMUNOLOGY

Role of surface components in serum resistance of virulent Aeromonas salmonicida. Munn CB, et al. **Infect Immun** 1982 Jun;36(3):1069–75
Acquired immunity against Trypanosoma danilewskyi in goldfish, Carassius auratus. Woo PT. **Parasitology** 1981 Oct;83(Pt 2):343–6

MICROBIOLOGY

Bacterial Kidney disease of salmonid fish. Fryer JL, et al. **Annu Rev Microbiol** 1981;35:273–98 (74 ref.)
Cell surface of the fish pathogenic bacterium Aeromonas salmonicida. I. Relationship between autoagglutination and the presence of a major cell envelope protein. Evenberg D, et al. **Biochim Biophys Acta** 1982 Jan 22;684(2):241–8
A bacterial disease of perch (Perca fluviatilis L.) in an alpine lake: isolation and preliminary study of the causative organism. Michel C. **J Wildl Dis** 1981 Oct;17(4):505–10
Purification of lymphocystis disease virus (LDV) grown in tissue culture. Evidences for the presence of two types of viral particles. Robin J, et al. **Rev Can Biol** 1981 Dec; 40(4):323–9
[Presence of the bacterial kidney disease in salmonid fish in Quebec (author's transl)] Lallier R, et al. **Can Vet J** 1981 Jul;22(7):226–9 (Eng. Abstr.) (Fre)

MORTALITY

Mortality in captive Atlantic cod, Gadus morhua, associated with fin rot disease. Khan RA, et al. **J Wildl Dis** 1981 Oct;17(4):521–7

OCCURRENCE

[Pseudophyllidea (Carus, 1813) in southern Chile. VII. Seasonal distribution of plerocercoid infection in Salmo gairdneri (Richardson) in lake Calafquén] Torres P, et al. **Zentralbl Veterinarmed [B]** 1982 Feb;29(1):67–75 (Eng. Abstr.) (Spa)

PARASITOLOGY

Cutaneous sphaerosporosis of the common carp fry. Molnár K. **Acta Vet Acad Sci Hung** 1981;28(4):371–4
Habitat specificity of the acanthocephalan Acanthocephalus clavula (Dujardin, 1845) in eels Anguilla anguilla (L). Kennedy CR, et al. **J Helminthol** 1982 Jun;56(2):121–9
Pancreatic infections of Myxobolus osburni Herrick (Myxozoa: Myxosporea) in the pumpkinseed, Lepomis gibbosus (Linnaeus) in Iowa. Ingram KM, et al. **J Wildl Dis** 1982 Jan;18(1):75–9
Effects of low temperature on the development of the microsporidan Glugea stephani in English sole (Parophrys vetulus). Olson RE. **J Wildl Dis** 1981 Oct;17(4):559–62
Opisthorchis viverrini : intensity and rates of infection in cyprinoid fish from an endemic focus in Northeast Thailand. Vichasri S, et al. **Southeast Asian J Trop Med Public Health** 1982 Mar; 13(1):138–41
[Parasitic fauna in the carp (Cyprinus carpio) fry bred in ponds fed with rainfall water] Adamczyk LH. **Wiad Parazytol** 1981;27(6):763–72 (Eng. Abstr.) (Pol)
[Histopathological changes and localization of tapeworm Khawia sinensis in the intestine of carps (Cyprinus carpio L.)] Jara Z, et al. **Wiad Parazytol** 1981;27(6):695–703 (Eng. Abstr.) (Pol)
[Level of total protein and its fractions in the serum of carps (Cyprinus cario L.) infected with the tapeworm Khawia sinensis Hsu, 1935] Jara Z, et al. **Wiad Parazytol** 1981; 27(6):705–11 (Eng. Abstr.) (Pol)
[Electrophoretic examination of the serum of carps (Cyprinus carpio L.) infected with the tapeworm Caryophyllaeus sp.] Jara Z, et al. **Wiad Parazytol** 1981;27(6):713–6 (Eng. Abstr.) (Pol)
[Occurrence of blood flagellates belonging to genus Trypanosoma Gruby, 1841, in the blood of carp—Cyprinus carpio L. and that of tench—tinca L.] Jastrzębski M. **Wiad Parazytol** 1981;27(6):753–61 (Eng. Abstr.) (Pol)
[Biology and pathogenetic action of Bothriocephalus gowkongensis Yeh, 1955 and Khawia sinensis Hsu, 1935] Lozińska–Gabska M. **Wiad Parazytol** 1981;27(6):685–94 (Eng. Abstr.) (Pol)

PATHOLOGY

Metabolic–morphologic characteristics of the integument of teleost fish with mature lymphocystis nodules. Spitzer RH, et al. **Cell Tissue Res** 1982;222(2):339–57
Gross and histological signs of dietary deficiencies of biotin and pantothenic acid in lake trout, Salvelinus namaycush. Poston HA, et al. **Cornell Vet** 1982 Jul;72(3):242–61
Differentiation of melanomas occurring in platyfish–swordtail hybrids of different ages: an ultrastructural study. Esaka T, et al. **J Exp Zool** 1981 Feb; 215(2):133–42
Parasites of ornamental fish. Sommerville C. **J Small Anim Pract** 1981 Jun;22(6):367–76
Tuberculosis in fishes. van Duijn C Jr. **J Small Anim Pract** 1981 Jun;22(6):391–411
Pathogenicity and histopathology of an unusually intense infection of white grubs (Posthodiplostomum m. minimum) in the fathead minnow (Pimephales promelas). Mitchell AJ, et al. **J Wildl Dis** 1982 Jan;18(1):51–7
Lymphocystis disease in imported tropical fish. Durham PJ, et al. **NZ Vet J** 1981 Jun;29(6):88–91
[Viral hemorrhagic septicemia of the rainbow trout (Salmo gairdneri Richardson)—pathology, electron microscopic virus detection and peripheral blood picture] Amlacher E, et al. **Arch Exp Veterinarmed** 1982;36(2):193–201 (Eng. Abstr.) (Ger)
[About a case of fibromatosis of a saithe (Pollachius virens) (Short communication (author's transl)] Priebe K. **DTW** 1981 Sep 5;88(9):381–2 (Ger)
[Histopathological changes in myxosomosis in rainbow trout] Přihoda J. **Vet Med (Praha)** 1981 Jul;26(7):439–47 (Eng. Abstr.) (Slo)

PREVENTION & CONTROL

Biologics for immunization of fishes. **Dev Biol Stand** 1981; 49:373–461
[Governmental control of epidemics in fresh water fish—a new veterinary task] Steinbrecher H, et al. **Berl Munch Tierarztl Wochenschr** 1981 Oct 15; 94(20):409–10 (Ger)

SURGERY

Anaesthesia in fishes. Brown L. **J Small Anim Pract** 1981 Jun;22(6):385–90

THERAPY

International symposium on fish biologics: serodiagnosis and vaccines. Preparation of biologics: technical aspects. **Dev Biol Stand** 1981;49:207–64
The diseases of ornamental fishes. **J Small Anim Pract** 1981 Jun;22(6):311–414
An overview of ornamental fish diseases and therapy. Gratzek JB. **J Small Anim Pract** 1981 Jun;22(6):345–66

TRANSMISSION

[Coccidiosis in fresh–water fish in the light of literature] Pastuszko J, et al. **Wiad Parazytol** 1981;27(6):745–51 (Pol)

FISH FLOUR see under **FISH PRODUCTS**

FISH LIVER OILS

ANALYSIS

Organochlorine pesticides and PCBs in cod–liver oil of Baltic origin, 1971—80. Falandysz J. **Pestic Monit J** 1981 Jun; 15(1):51–3

METABOLISM

Identification and quantification of prostaglandin E3 in renal medullary tissue of three strains of rats fed fish oil. Ferretti A, et al. **Lipids** 1981 Nov;16(11):800–4

PHARMACODYNAMICS

Effect of fish oil on platelet kinetics in patients with ischaemic heart disease. Hay CR, et al. **Lancet** 1982 Jun 5; 1(8284):1269–70
Thromboxane A2 and prostacyclin formation in rats fed cod–liver or sunflower oil. **Nutr Rev** 1982 May;40(5):157–9 (8 ref.)
Fish oil feeding lowers thromboxane– and prostacyclin

production by rat platelets and aorta and does not result in the formation of prostaglandin I3. Hornstra G, et al. **Prostaglandins** 1981 May;21(5):727–38

The effect of cod liver oil and corn oil on platelets and vessel wall in man. Brox JH, et al. **Thromb Haemost** 1981 Oct; 46(3):604–11

THERAPEUTIC USE

It's not fishy: fruit of the sea may foil cardiovascular disease [news] Gunby P. **JAMA** 1982 Feb 12;247(6):729–31

FISH PRODUCTS

Fish silage: a review. Raa J, et al.
CRC Crit Rev Food Sci Nutr 1982;16(4):383–419 (145 ref.)

Alkylating activity of processed fish products treated with sodium nitrite in simulated gastric juice. Yano K. **Gan** 1981 Jun;72(3):451–4

Fish species identification by thin layer agarose isoelectric focusing and densitometric scanning. Hamilton WD.
J Assoc Off Anal Chem 1982 Jan;65(1):119–22

It's not fishy: fruit of the sea may foil cardiovascular disease [news] Gunby P. **JAMA** 1982 Feb 12;247(6):729–31

Other preventive roles explored for 'fish oil' [news] Gunby P. **JAMA** 1982 Feb 12;247(6):731

Long-term feeding studies in mice fed a diet containing irradiated fish. II. 90-Day toxicity study. Benson HG, et al. **Toxicol Lett** 1980 Dec;7(2):103–5

Long-term feeding studies in mice fed a diet containing irradiated fish. I. Multigeneration reproduction, mutagenicity, teratology, and longevity studies. van Petten LE, et al. **Toxicol Lett** 1980 Dec;7(2):97–101

[Physical and chemical effect of reducing histamine levels in the meat of mackerel-type fish and its application in the manufacture of fish products] Pavelka J.
Vet Med (Praha) 1982 Apr;27(4):237–46 (Eng. Abstr.) **(Cze)**

ADVERSE EFFECTS

Scombroid fish poisoning syndrome. Dickinson G.
Ann Emerg Med 1982 Sep;11(9):487–9

Fish silage: a review. Raa J, et al.
CRC Crit Rev Food Sci Nutr 1982;16(4):383–419 (145 ref.)

Allergy to fish in fish meal factory workers. Droszcz W, et al. **Int Arch Occup Environ Health** 1981;49(1):13–9

Histopathology of gizzard erosion in young broiler chickens due to fish meal in the diets. Itakura C, et al.
Nippon Juigaku Zasshi 1981 Oct;43(5):677–87

ANALYSIS

Determination of total inorganic arsenic in fish, shellfish and fish products. Brooke PJ, et al. **Analyst** 1981 May; 106(1262):514–20

Volatile nitrosamines in salt-preserved fish before and after cooking. Huang DP, et al. **Food Cosmet Toxicol** 1981 Apr; 19(2):167–71

Biological availability of iron found in fish-meals. Soevik T, et al. **J Sci Food Agric** 1981 Nov;32(11):1063–8

Effects of thermal processing on the nutritional value and biological toxicity of fried fish-shred. Tsai CE.
Taiwan I Hsueh Hui Tsa Chih 1982 Mar;81(3):334–46

[Analysis of colour-retaining powder, fluorescent dyes illegally added to imported food (author's transl)] Ito Y, et al. **Eisei Shikenjo Hokoku** 1981;99:66–8 (Eng. Abstr.) **(Jpn)**

[Histamine content in fishes and fish products] Ganowiak Z, et al. **Rocz Panstw Zakl Hig** 1981;32(3):217–21 (Eng. Abstr.) **(Pol)**

[Biological value of fish dishes with added sea kale] Petrovskii KS, et al. **Gig Sanit** 1982 Feb;(2):26–8 (Eng. Abstr.) **(Rus)**

TOXICITY

[Experimental studies on an in vivo short-term screening test for carcinogenicity of fish powder pyrolysates (author's transl)] Furukawa F, et al. **Eisei Shikenjo Hokoku** 1981; 99:56–9 (Eng. Abstr.) **(Jpn)**

FISH VENOMS

ISOLATION & PURIFICATION

Toxic material from the gallbladder of the grass carp (Ctenopharyngodon idellus). Yip LL, et al. **Toxicon** 1981; 19(4):567–9

PHARMACODYNAMICS

Pardaxin, a hydrophobic toxin of the Red Sea flatfish, disassembles the intact membrane of vesicular stomatitis virus. Pal R, et al. **J Biol Chem** 1981 Oct 25; 256(20):10209–12

POISONING

Pericarditis associated with scorpionfish (Scorpaena buttata) sting. Abdun-Nur D, et al. **Toxicon** 1981;19(4):579–81

[Poisoning by Pterois volitans] Stock KP, et al. **MMW** 1982 Jun 18;124(24):601–2 **(Ger)**

SECRETION

Tannic acid staining of 'microtubules' in venom-secreting cells of a stingray. Smith DS, et al. **Toxicon** 1981; 19(6):737–42

TOXICITY

Significance of the epidermal ichthyotoxic secretion of coral-dwelling gobies. Lassig BR. **Toxicon** 1981; 19(6):729–35

Pardachirus marmoratus (Red Sea flatfish) secretion and its isolated toxic fraction pardaxin: the relationship between hemolysis and ATPase inhibition. Primor N, et al.
Toxicon 1981;19(4):573–8

FISHERIES

Sediment bacterial indicators in an urban shellfishing subestuary of the lower Chesapeake Bay. Erkenbrecher CW Jr. **Appl Environ Microbiol** 1981 Sep;42(3):484–92

An ultrasonic salinity telemetry transmitter for use on fish in estuaries. Priede IG. **Biotelem Patient Monit** 1982; 9(1):1–9

Incidence of treated alcoholism in north-east Scotland, Orkney, and Shetland fishermen, 1966–70. Rix KJ, et al. **Br J Ind Med** 1982 Feb;39(1):11–7

Dietary risk factors of stroke and hypertension in Japan -- Part 3: Comparative study on risk factors between farming and fishing villages in japan. Yamori Y, et al.
Jpn Circ J 1982 Sep;46(9):944–7

Leptospirosis in trout farmers. Robertson MH, et al.
Lancet 1981 Sep 19;2(8247):626–7

[Dental care for sailors in German deepsea fisheries] Wianz E. **Dtsch Zahnarztl Z** 1982 Apr;37(4):391–6 (Eng. Abstr.) **(Ger)**

[Outpatient treatment of early forms of arteriosclerosis and ischemic heart disease in fishermen] Kolomievskii KL.
Sov Med 1982;(5):92–4 **(Rus)**

FISHES

Enteropathy related to fish, rice, and chicken. Vitoria JC, et al. **Arch Dis Child** 1982 Jan;57(1):44–8

Examination of procedures for acute toxicity tests with the fathead minnow and coal synfuel blends. Becker CD, et al. **Arch Environ Contam Toxicol** 1982;11(1):33–40

Effects of naphthalene and benzene on fathead minnows and rainbow trout. DeGraeve GM, et al.
Arch Environ Contam Toxicol 1982;11(4):487–90

Short-term toxicity of five oils to four freshwater species. Hedtke SF, et al. **Arch Environ Contam Toxicol** 1982; 11(4):425–30

Effects of phenol, 2,4-dimethylphenol, 2,4-dichlorophenol, and pentachlorophenol on embryo, larval, and early-juvenile fathead minnows (Pimephales promelas). Holcombe GW, et al. **Arch Environ Contam Toxicol** 1982; 11(1):73–8

Influence of pH on the toxicity of substituted phenols to fish. Saarikoski J, et al. **Arch Environ Contam Toxicol** 1981 Nov; 10(6):747–53

Clinical features of ciguatera fish poisoning: a study of the disease in the US Virgin Islands. Morris JG Jr, et al.
Arch Intern Med 1982 Jun;142(6):1090–2

Injuries caused by garfish in Papua New Guinea. Barss PG.
Br Med J [Clin Res] 1982 Jan 9;284(6309):77–9

Mercury in the muscle tissue of fish from three northern Maine lakes. Akielaszek JJ, et al.
Bull Environ Contam Toxicol 1981 Aug;27(2):201–8

Contamination of native fish stock by hexachlorobenzene and polychlorinated biphenyl residues. Brunn H, et al.
Bull Environ Contam Toxicol 1982 May;28(5):599–604

Guppy behavior during exposure to a sub-lethal concentration of phenol. Colgan PW, et al.
Bull Environ Contam Toxicol 1982 Jan;28(1):20–7

Peripheral effects of cadmium on the blood and head kidney in the brown bullhead (Ictalurus nebulosus). Garofano JS, et al. **Bull Environ Contam Toxicol** 1982 May;28(5):552–6

Effects on spermatogenesis in the guppy Poecilia reticulata by prolonged exposure to trimethylphosphate. Hanna PJ.
Bull Environ Contam Toxicol 1982 Jan;28(1):28–32

Acute toxicity of 54 industrial chemicals to sheepshead minnows (Cyprinodon variegatus). Heitmuller PT, et al.
Bull Environ Contam Toxicol 1981 Nov;27(5):596–604

Effect of pH and chloride on nitrite-induced lethality in bluegill (Lepomis macrochirus). Huey DW, et al.
Bull Environ Contam Toxicol 1982 Jan;28(1):3–6

Temperature effects on hydraziine toxicity to bluegills. Hunt TP, et al. **Bull Environ Contam Toxicol** 1981 Nov; 27(5):588–95

Acute toxicity of Thiodan to catfish (Heteropneustes fossilis). Singh BB, et al. **Bull Environ Contam Toxicol** 1982 Jan; 28(1):122–7

Effects of fenvalerate on field- and laboratory-developed estuarine benthic communities. Tagatz ME, et al.
Bull Environ Contam Toxicol 1981 Aug;27(2):256–67

Contact urticaria to fish. Göransson K.
Contact Dermatitis 1981 Sep;7(5):282–3

International symposium on fish biologics: serodiagnosis and vaccines. Preparation of biologics: technical aspects.
Dev Biol Stand 1981;49:207–64

Fish biologics: serodiagnostics and vaccines.
Dev Biol Stand 1981;49:1–486

Standardization of biologics for fishes. **Dev Biol Stand** 1981; 49:265–304

Effect of cross-rearing on species identification in zebra fish and pearl danios. McCann LI, et al. **Dev Psychobiol** 1982 Jan;15(1):71–4

Toxicity and accumulation studies of cadmium (Cd2+) with freshwater organisms of different trophic levels. Canton JH, et al. **Ecotoxicol Environ Safety** 1982 Feb;6(1):113–28

The influence of females on the initiation of female-to-male sex change in a coral reef fish. Shapiro DY, et al.
Horm Behav 1982 Mar;16(1):66–75

Nutritive value of fillets and minced flesh from Alaska pollock and some underutilized finfish species from the Gulf of Mexico. Meinke WW, et al.
J Agric Food Chem 1982 May-Jun;30(3):477–80

Capillary gas chromatographic-mass spectrometric determination of histamine in tuna fish causing scombroid poisoning. Hentor JD, et al. **J Chromatogr** 1981 Sep 4; 213(3):475–80

Integration of larvivorous fish and temephos for the control of Culex tritaeniorhynchus breeding. Mathur KK, et al.
J Commun Dis 1981 Mar;13(1):58–63

Scombrotoxin and scombrotoxin-like poisoning from canned fish. Murray CK, et al. **J Hyg (Lond)** 1982 Apr;88(2):215–20

Nutritional availability to rats of selenium in tuna, beef kidney, and wheat. Douglass JS, et al. **J Nutr** 1981 Dec; 111(12):2180–7

The hobby of ornamental fishkeeping. Ford DM.
J Small Anim Pract 1981 Jun;22(6):317–22

Ornamental fishkeeping and the veterinary surgeon. Scott PW. **J Small Anim Pract** 1981 Jun;22(6):331–43

Anaesthetics in fishes. Stuart NC. **J Small Anim Pract** 1981 Jun;22(6):377–83

Chemicals in marine and coastal environments: the need for toxicological information. Johnson AR.
J Toxicol Clin Toxicol 1982 Apr;19(2):113–9

Toxicity of bromate to striped bass ichthyoplankton (Morone saxatilis) and juvenile spot (Leiostomus xanthurus). Richardson LB, et al. **J Toxicol Environ Health** 1981 Oct; 8(4):687–95

Note on a possible agent for the biological control of schistosomiasis. [letter] Ross W. **J Trop Med Hyg** 1982 Apr; 85(2):88

Gefilte fish and diphyllobothriasis [letter] Loeb LJ.
JAMA 1982 Mar 19;247(11):1566

Toxic effects of juncusol, a marsh plant phenolic extract, on estuarine fish and shrimp. de la Cruz AA, et al.
Life Sci 1982 May 24;30(21):1805–10

A fish cell line from gonads of cod (Gadus morhua). Jensen NJ, et al. **Nord Vet Med** 1981 Sep-Nov;33(9–11):492–7

Experimental myocardial infarction and fish oil. **Nutr Rev** 1981 Aug;39(8):316–7 (7 ref.)

Mercury in takeaway fish in New Zealand. Mitchell JW, et al. **NZ Med J** 1982 Feb 24;95(702):112–4

Hard to swallow [letter] Hadley GP.
Papua New Guinea Med J 1981 Jun;24(2):136

Ciguatera poisoning. Moon AJ. **Practitioner** 1981 Aug; 225(1358):1176–8

Vitamin B12 absorption from fish. Doscherholmen A, et al.
Proc Soc Exp Biol Med 1981 Sep;167(4):480–4

Analysis of mercury in fish muscle samples by ASV-technique. Gustavsson I, et al. **Sci Total Environ** 1981 Dec;22(1):85–7

Simulation of methylmercury toxicity resulting from the consumption of Mediterranean red tuna fish. Magnaval R, et al. **Toxicol Lett** 1982 Feb;10(2–3):233–7

Pericarditis associated with scorpionfish (Scorpaena buttata) sting. Abdun-Nur D, et al. **Toxicon** 1981;19(4):579–81

[Mercury and arsenic contents of marine product in the market of Guangzhou City (author's transl)] Ma YQ.
Chung Hua Yu Fang I Hsueh Tsa Chih 1981 Nov; 15(6):366–7 **(Chi)**

[Physical and chemical effect of reducing histamine levels in the meat of mackerel-type fish and its application in the manufacture of fish products] Pavelka J.
Vet Med (Praha) 1982 Apr;27(4):237–46 (Eng. Abstr.) **(Cze)**

[Non-enzymatic browning reaction of histamine and D-glucose and its use in the manufacture of fish products] Pavelka J. **Vet Med (Praha)** 1982 May;27(5):309–20 (Eng. Abstr.) **(Cze)**

[Mercury, cadmium and lead in canned fish] Noirfalise A, et al. **Arch Belg Med Soc** 1981 Mar;39(3):182–7 **(Fre)**

[Lernaeenicus vorax Richiardi, 1877. Parasitic copepod of Sciaenides from the Gulf of Tunis (Tunisia)] Ktari MH, et al. **Arch Inst Pasteur Tunis** 1981 Mar-Jun;58(1–2):43–9 (Eng. Abstr.) **(Fre)**

[Problems of aquaculture: brackish water and water cultivation potential] Zaouali J. **Arch Inst Pasteur Tunis** 1981 Mar-Jun;58(1–2):93–103 **(Fre)**

[Effects of low-level chronic irradiation on aquatic organisms (author's transl)] Etoh H. **Radioisotopes** 1980 Oct; 29(10):503–12 **(Jpn)**

[The roentgen signs of acute gastritis induced by eating raw mackerel (author's transl)] Yamazaki M, et al.
Rinsho Hoshasen 1981 Feb;26(2):283–9 (Eng. Abstr.) **(Jpn)**

[Histamine content in fishes and fish products] Ganowiak Z, et al. **Rocz Panstw Zakl Hig** 1981;32(3):217–21 (Eng. Abstr.) **(Pol)**

[Influence of previous cooking on the biological value of sardine protein concentrates, obtained by extraction with ethanol] de Moura EC, et al. **Arch Latinoam Nutr** 1981

Mar;31(1):73-92 (Eng. Abstr.) (Por)
[Working evaluation of the use of white amur fry for mosquito control in rice-growing districts] Shumkov MA, et al. **Med Parazitol (Mosk)** 1981 Nov-Dec;50(6):75-9 (Eng. Abstr.) (Rus)
[Combined effect of mercuric chloride and phosphorus-32 on developing loach eggs] Pechkurenkov VL, et al. **Radiobiologiia** 1982 Jan-Feb;22(1):70-5 (Rus)
[New type of commercial fish, the triggerfish (Balistes capriscus), in human nutrition] Levinton ZhB, et al. **Vopr Pitan** 1981 Nov-Dec;(6):43-5 (Eng. Abstr.) (Rus)

ANATOMY & HISTOLOGY

Studies on the structure and histochemistry of the epidermis in the marine catfish Plotosus lineatus (Thunberg, 1791) (Plotosidae, Pisces). Zaccone G, et al. **Acta Histochem (Jena)** 1981;69(1):106-18
Fine structure of a freshwater teleost (Pimelodus maculatus) intrahepatic biliary pathways. Ferri S. **Anat Anz** 1982; 151(2):187-96
Supraependymal cells in the third ventricle of Poecilia sphenops. Kriebel RM. **Anat Anz** 1982;151(1):82-6
Ultrastructural observations on nerve fibres in a freshwater teleost epidermis. Ferri S. **Anat Histol Embryol** 1982 Mar; 11(1):76-80
Comparative fine structure of the Osteichthyan dermotrichia. Geraudie J, et al. **Anat Rec** 1982 Mar;202(3):325-8
Ependymal cells of the filum terminale in fish (Poecilia sphenops) adapted to freshwater and saltwater: electron microscopic study. Kriebel RM. **Anat Rec** 1981 Sep; 201(1):189-95
Membranous systems in the 'chloride cell' of teleostean fish gill; their modifications in response to the salinity of the environment. Pisam M. **Anat Rec** 1981 Aug;200(4):401-14
Ultrastructural study of the pit cell in a freshwater teleost liver. Ferri S. **Arch Anat Microsc Morphol Exp** 1981; 70(2):109-15
Ultrastructural identification of smooth muscle cells in the perisinusoidal space of a freshwater teleost liver. Ferri S. **Arch Anat Microsc Morphol Exp** 1981;70(4):245-9
Ectopic presence of saccus vasculosus tissue in the neurohypophysis of three species of plectognath fishes (Tetraodontiformes, Teleostei). Chiba A, et al. **Arch Histol Jpn** 1981 Mar;44(1):87-93
Immunohistochemical study of the pancreatic endocrine cells of the ray, Dasyatis akajei. Sekine Y, et al. **Arch Histol Jpn** 1981 Mar;44(1):95-101
A histological and histochemical study of developing teeth in Polypterus (Pisces, Actinopterygii). Meinke DK. **Arch Oral Biol** 1982;27(3):197-206
Sauvagine-like immunoreactivity in the bony fish urophysis and caudal neurosecretory system. Renda T, et al. **Basic Appl Histochem** 1982;26(2):89-98
Preliminary observations on the heart of the haemoglobinless Antarctic fish Champsocephalus gunnari, Lönnberg. Greco G, et al. **Boll Soc Ital Biol Sper** 1981 Sep 15;57(17):1807-13
Characterization of lipofuscin granules found in the central nervous system and myocardium of marine teleostei. Totàro EA, et al. **Boll Soc Ital Biol Sper** 1981 Oct 30; 57(20):2047-52
Telencephalic efferents in channel catfish, Ictalurus punctatus: projections to the olfactory bulb and optic tectum. Bass AH. **Brain Behav Evol** 1981;19(1-2):1-16
A glial blood-brain barrier in elasmobranchs. Bundgaard M, et al. **Brain Res** 1981 Dec 7;226(1-2):61-73
The cytoplast: a unit structure in chromatophores. Porter KR, et al. **Cell** 1982 May;29(1):23-32
Ultrastructure of muscle fibres in head and axial muscles of the perch (Perca fluviatilis L.). A quantitative study. Akster HA. **Cell Tissue Res** 1981;219(1):111-31
Catecholamines and 5-hydroxytryptamine in photophores of Porichthys notatus. Radioenzymatic detection and radioautographic localization. Anctil M, et al. **Cell Tissue Res** 1981;219(3):557-66
Testosterone-dependent changes in vivo and in vitro in the structure of the renal glomeruli of the teleost Gasterosteus aculeatus L. de Ruiter AJ. **Cell Tissue Res** 1981; 219(2):253-66
An ultrastructural and histochemical study of the axial musculature in the African lungfish. Dunn JF, et al. **Cell Tissue Res** 1981;220(3):599-609
Hepatic ultrastructural specialization in Antarctic fishes. Eastman JT, et al. **Cell Tissue Res** 1981;219(3):489-96
Ultrastructural study of the endothelial cells in teleost liver sinusoids under normal and experimental conditions. Ferri S, et al. **Cell Tissue Res** 1981;219(3):649-57
Ultrastructural study of Kupffer cells in teleost liver under normal and experimental conditions. Ferri S, et al. **Cell Tissue Res** 1981;220(2):387-91
Relationships between the tubular system in the globules of the coronet cells of the saccus vasculosus and the cerebrospinal fluid in Gasterosteus aculeatus form leiurus (Teleostei). Follénius E. **Cell Tissue Res** 1982;224(1):105-15
Yolk-platelet crystals in three ancient bony fishes: Polypterus bichir (Polypteri), Amia calva L., and Lepisosteus osseus (L.) (Holostei). Lange RH, et al. **Cell Tissue Res** 1982 Jan; 222(1):159-65
The ultrastructure of the eye of the mosquitofish Gambusia affinis. Lanzing WJ, et al. **Cell Tissue Res** 1982; 223(2):431-43
Centrifugal innervation of the retina by luteinizing hormone releasing hormone (LHRH)-immunoreactive telencephalic neurons in teleostean fishes. Münz H, et al. **Cell Tissue Res** 1982;222(2):313-23
Ultrastructure of endocrine cells in the stomach of two teleost fish, Perca fluviatilis L. and Ameiurus nebulosus L. Noaillac-Depeyre J, et al. **Cell Tissue Res** 1982; 221(3):657-78 (61 ref.)
Vascular corrosion replicas of chemo-baroreceptors in fish: the carotid labyrinth in Ictaluridae and Clariidae. Olson KR, et al. **Cell Tissue Res** 1981;219(3):535-41
Ultrastructure of the pineal organ of the killifish, Fundulus heteroclitus, with special reference to the secretory function. Omura Y, et al. **Cell Tissue Res** 1981; 219(2):355-69
Structural changes in the pars intermedia of the cichlid teleost Sarotherodon mossambicus as a result of background and adaptation and illumination. III. The role of the pineal organ. van Eys GJ, et al. **Cell Tissue Res** 1981;220(3):561-71
Apical surface of the epithelial cells in the gallbladder of the rainbow trout and the tench. Viehberger G. **Cell Tissue Res** 1982;224(2):449-54
Retrograde axon reaction following section of asynaptic nerve fibers. Waxman SG, et al. **Cell Tissue Res** 1982; 223(3):487-92
Effects of external osmolality, calcium and prolactin on growth and differentiation of the epidermal cells of the cichlid teleost Sarotherodon mossambicus. Wendelaar Bonga SE, et al. **Cell Tissue Res** 1981;221(1):109-23
Receptor mechanisms in fish chromatophores--V. MSH disperses melanosomes in both dermal and epidermal melanophores of a catfish (Parasilurus asotus). Fujii R, et al. **Comp Biochem Physiol [C]** 1982;71C(1):1-6
Autonomic innervation and photosensitivity of the sphincter pupillae muscle of two teleosts: Lophius piscatorius and Opsanus tau. Rubin L, et al. **Curr Eye Res** 1981-82; 1(9):543-51
Functional vascularization of the teleost eye. Copeland DE. **Curr Top Eye Res** 1980;3:219-80
Age related changes in morphology of the thymus of the fish, Oryzias latipes. Ghoneum MM, et al. **Exp Gerontol** 1982;17(1):33-40
The cytoarchitecture of the optic tectum of a few fresh water teleost fishes. Goel HR. **Folia Morphol (Praha)** 1981; 29(4):344-6
The hypothalamo-hypophyseal neurosecretory system in some fishes. Sahai S. **Folia Morphol (Praha)** 1981; 29(4):339-43
The saccus vasculosus of Ambassis ranga Cuv. and Val. (Teleostei). Sahai YN, et al. **Folia Morphol (Praha)** 1981; 29(4):381-3
Histochemical observations on the gills of Lepidosiren paradoxa (Fitz). Singh KP, et al. **Folia Morphol (Praha)** 1981;29(3):263-8
The morphology and anatomy of the alimentary canal of a cobitid fish, Lepidocephalichthys guntea (Ham). Sinha RK, et al. **Folia Morphol (Praha)** 1981;29(3):269-71
Olfactory organs in the exotic fish Tilapia mossambica (Peters). Sinha RK, et al. **Folia Morphol (Praha)** 1981; 29(3):258-62
The air bladder of a hill stream fish, Glyptothorax telchitta (Ham.). Sinha RK, et al. **Folia Morphol (Praha)** 1981; 29(4):375-6
Functional anatomy of the olfactory organs in a green snake headed fish, Channa gachua (Ham.). Sinha RK, et al. **Folia Morphol (Praha)** 1982;30(1):14-9
Ultrastructure of the corpuscles of Stannius in the garpike (Lepisosteus platyrhynchus). Bhattacharyya TK, et al. **Gen Comp Endocrinol** 1982 Jan;46(1):29-41
Testosterone-dependent transformation of nephronic tubule cells into serous and mucous gland cells in stickleback kidneys in vivo and in vitro. de Ruiter AJ, et al. **Gen Comp Endocrinol** 1982 May;47(1):70-83
Electron microscopic and histochemical study of the postovulatory follicles of Perca fluviatilis L. (Teleostei). Lang I. **Gen Comp Endocrinol** 1981 Oct;45(2):219-33
Immunocytochemical identification of the prolactin- and growth hormone-secreting cells in the teleost pituitary with antiserz to tilapia prolactin and growth hormone. Nagahama Y, et al. **Gen Comp Endocrinol** 1981 Jul; 44(3):389-95
The fine structure of the sacculus and lagena of a teleost fish. Popper AN, et al. **Hear Res** 1981 Nov;5(2-3):245-63
Lack of relationship between morphological variance and enzyme heterozygosity in the plaice, Pleuronectes platessa. McAndrew BJ, et al. **Heredity (Edinburgh)** 1982 Feb;48(Pt 1):117-25
Adenosine triphosphatases in electroreceptor organs (ampullary organs and mormyromasts) of Gnathonemus petersii Mormyridae. Denizot JP. **Histochem J** 1982 Mar; 14(2):239-55
Ascending lateral line pathways to the midbrain of the clearnose skate, Raja eglanteria. Boord RL, et al. **J Comp Neurol** 1982 May 20;207(3):274-82
Laminar organization of the afferent and efferent systems of the torus semicircularis of gymnotiform fish: morphological substrates for parallel processing in the electrosensory system. Carr CE, et al. **J Comp Neurol** 1981 Dec 20;203(4):649-70
Retinal projections in the African cichlid fish, Haplochromis burtoni. Fernald RD. **J Comp Neurol** 1982 Apr 20; 206(4):379-89
Cytoarchitecture, fiber connections, and ultrastructure of nucleus isthmi in a teleost (Navodon modestus) with a special reference to degenerating isthmic afferents from optic tectum and nucleus pretectalis. Ito H, et al. **J Comp Neurol** 1982 Mar 1;205(3):299-311
Brain neurons which project to the spinal cord in young larvae of the zebrafish. Kimmel CB, et al. **J Comp Neurol** 1982 Feb 20;205(2):112-27
Localization of neurons afferent to the optic tectum in longnose gars. Northcutt RG. **J Comp Neurol** 1982 Feb 1;204(4):325-35
Comparative scanning electron microscopic investigations of the sensory epithelia in the teleost sacculus and lagena. Popper AN. **J Comp Neurol** 1981 Aug 10;200(3):357-74
Fiber connections of the corpus glomerulosum in a teleost, Navodon modestus. Sakamoto N, et al. **J Comp Neurol** 1982 Mar 1;205(3):291-8
Cells of origin of pathways descending to the spinal cord in two chondrichthyans, the shark Scyliorhinus canicula and the ray Raja clavata. Smeets WJ, et al. **J Comp Neurol** 1981 Nov 10;202(4):473-91
The afferent connections of the tectum mesencephali in two chondrichthyans, the shark Scyliorhinus canicula and the ray Raja clavata. Smeets WJ. **J Comp Neurol** 1982 Feb 20;205(2):139-52
Modulation of secretory activity in nucleus sacci vasculosi of Scylliorhinus canicula (L.). Fernandez-Soriano J, et al. **J Hirnforsch** 1981;22(4):447-51
Studies on the histomorphology of the caudal neurosecretory system and its neurohaemal organ of a freshwater teleost, Colisa fasciatus (Bloch and Schneider) (Anabantidae, Perciformes). Pandey AC. **J Hirnforsch** 1981;22(4):393-6
A comparative study of the pineal complex of nineteen species of Indian freshwater fishes. Sastry VK, et al. **J Hirnforsch** 1981;22(3):327-40
Morphology of the pineal organs of Mystus aor (Ham.) and Puntius sophore (Ham.) with special reference to their innervation. Sastry VK, et al. **J Hirnforsch** 1981; 22(4):383-92
A quantitative study of the optic system of butterflyfishes (family chaetodontidae). Snow JL, et al. **J Hirnforsch** 1982; 23(2):121-5
Histological and enzyme histochemical studies on the nephrons of the freshwater fishes, Cyprinus carpio and Carassius auratus. Endo M, et al. **J Morphol** 1982 Jul; 173(1):29-33
Pineal innervation of the third ventricular ependyma in the teleost, Puntius sophore (Ham.). Sathyanesan AG, et al. **J Neural Transm** 1982;53(2-3):187-92
Fine structure of the testicular spermatozoa from the channel catfish, Ictalurus punctatus. Poirier GR, et al. **J Ultrastruct Res** 1982 Jul;80(1):104-10
Occurrence of oocytes in the testis of the freshwater teleost Channapunctatus (Bloch). Joshi BN, et al. **Mikroskopie** 1981 Oct;38(9-10):262-4
The skull of the mosquitofish Heterandria formosa Agassiz, 1853 (Pisces, Poeciliidae). A study using X-ray projection microscopy and a modified Spalteholz-method). Riehl R, et al. **Mikroskopie** 1981 Jun;38(5-6):147-53
Detection and localization of phosphatases, DNA, glycogen, mucopolysaccharides and bound lipids in the testis of a teleost fish, Anabas testudineus (Bloch) during the annual cyclical changes by histochemical methods. Sinha GM, et al. **Mikroskopie** 1982 Jan;39(1-2):1-13
Central representation of the anterior lateral line nerve in the catfish. Andrianovv YuNU, et al. **Neurosci Behav Physiol** 1981 Sep-Oct;11(5):505-9
Radioimmunoassay for catfish pancreatic somatostatin-22. Oyama H, et al. **Regul Pept** 1982 May;3(5-6):383-96
A method for staining reticulum and red cells in hematopoietic tissues of lower vertebrates. Gorgollón P, et al. **Stain Technol** 1981 Sep;56(5):295-7
Helicoidal architecture of fish eggshell. Grierson JP, et al. **Tissue Cell** 1981;13(4):819-30
A newly described organ associated with the eye and lateral line system in the marine teleost, Stenotomus chrysops. Harding CV, et al. **Tissue Cell** 1981;13(3):501-13
Quantitative analyses of ultrastructure and vascularization of the slow muscle fibres of the anchovy. Johnston IA. **Tissue Cell** 1982;14(2):319-28
Ultrastructure of atrial and ventricular endocardium and cardiac capillary endothelium of the pike. Midttun B. **Tissue Cell** 1981;13(4):747-56
Morphological characterization of the Boops boops retina. Deplano S, et al. **Vision Res** 1981;21(11):1551-7
Chromatic organization of a cichlid fish retina. Fernald RD. **Vision Res** 1981;21(12):1749-53
Cones in the eye of the deep-sea teleost Diretmus argenteus. Munk O. **Vision Res** 1982;22(1):179-81
Ultrastructure (SEM, TEM) of the olfactory epithelium in the wels, Siluris glanis L. (Siluridae, Pisces). Jakubowski M. **Z Mikrosk Anat Forsch** 1981;95(3):337-52
Sacciform cells in the skin of teleost fish. Mittal AK, et al. **Z Mikrosk Anat Forsch** 1981;95(4):559-85
Comparative ultrastructural study of the neuro-intermediary lobe in fresh-water teleosts under natural conditions. Szabó Z, et al. **Z Mikrosk Anat Forsch** 1982;96(2):289-302
Immunoreactive opsin in the pineal organ of reptiles and birds. Vigh B, et al. **Z Mikrosk Anat Forsch** 1982; 96(1):113-29
Secretion in the epidermis of polypteriform fish. Whitear M. **Z Mikrosk Anat Forsch** 1981;95(4):531-43
Studies on the structure and histochemistry of the epidermis in the air-breathing teleost Mastacembelus armatus

(Mastacembelidae, Pisces). Zaccone G.
Z Mikrosk Anat Forsch 1981;95(5):809–26
[The length growth of the north sea sole (Solea vulgaris Quensel) and the problem of annual variations (author's transl)] Sager G. **Anat Anz** 1982;151(2):160–78 (Eng. Abstr.) **(Ger)**
[Structure and principles of organization of the vascular system in bony fishes] Vogel WO.
Gegenbaurs Morphol Jahrb 1981;127(6):772–84 (Eng. Abstr.) **(Ger)**
[The ventricular myocardium of fish: aspects of comparative morphology physiology and pharmacology. II) Coronary circulation] Greco G, et al. **Boll Soc Ital Biol Sper** 1981 Oct 30;57(20):2060–6 **(Ita)**
[The ventricular myocardium of fish: aspects of comparative morphology, physiology and pharmacology. I) Myocardial architecture and vascularization] Greco G, et al.
Boll Soc Ital Biol Sper 1981 Oct 30;57(20):2053–9 (Eng. Abstr.) **(Ita)**
[Changes in mackerel (Scomber scombrus, L.) skeletal muscle tissue during prolonged low-temperature preservation] Lebskaia TK, et al. **Arkh Anat Gistol Embriol** 1981 Jun; 80(6):76–81 (Eng. Abstr.) **(Rus)**
[Mechanism of a universal supravital reaction of varicose changes of neurites] Sotnikov OS.
Arkh Anat Gistol Embriol 1982 Apr;82(4):35–45 (Eng. Abstr.) **(Rus)**

BLOOD

Evolution of human alpha 2–macroglobulin. Starkey PM.
Acta Biol Med Ger 1981;40(10–11):1555–9
Leucocytic and haemostatic reactions of the Indian catfish, Heteropneustes fossilis, subjected to environmental pollution by sewage, fertilisers and insecticides. Srivastava PN, et al. **Acta Pharmacol Toxicol (Copenh)** 1982 Jan; 50(1):13–21
Improvements in the determination of antifreeze protein activity using a freezing point osmometer. Slaughter D, et al. **Anal Biochem** 1981 Jul 15;115(1):212–8
C-reactive protein and serum amyloid P component in the plaice (Pleuronectes platessa L.), a marine teleost, are homologous with their human counterparts. Pepys MB, et al. **Biochim Biophys Acta** 1982 May 21;704(1):123–33
Patterns of purine nucleotides in some North Sea fish erythrocytes. Leray C. **Comp Biochem Physiol [B]** 1982; 71B(1):77–81
Oxygen binding properties of hemoglobins from antarctic fishes. Wells RM, et al. **Comp Biochem Physiol [B]** 1982; 71(3):469–73
The effect of inflammatory agents on C-reactive protein and serum amyloid P-component levels in plaice (Pleuronectes platessa L.) serum. White A, et al.
Comp Biochem Physiol [C] 1981;69(2):325–9
Diazinon-induced histopathological and hematological alterations in a freshwater teleost, Ophiocephalus punctatus. Sastry KV, et al. **Ecotoxicol Environ Safety** 1981 Sep;5(3):329–40
Studies on the fine structure of a teleost (Pimelodus maculatus) thrombocytes under normal and experimental conditions. Ferri S. **Gegenbaurs Morphol Jahrb** 1982; 128(2):168–75
The effects of hypophysectomy and replacement therapy with prolactin, cortisone, or their combination on the blood of the black bullhead Ictalurus melas. Fortner NA, et al. **Gen Comp Endocrinol** 1982 May;47(1):111–9
Radioimmunoassay for plasma cortisol, testosterone, estradiol-17 beta, and estrone in the catfish Heteropneustes fossilis (Bloch): development and validation. Lamba VJ, et al. **Gen Comp Endocrinol** 1982 Jun;47(2):170–81
Vitamin D3-induced hypercalcaemia in male catfish, Clarias batrachus. Swarup K, et al. **Gen Comp Endocrinol** 1982 Feb;46(2):271–4
Lamellar inclusion bodies in lung-fish thrombocytes. Tanaka Y, et al. **J Electron Microsc (Tokyo)** 1981;30(1):63–6
A study of the deformability of red blood cells of a teleost fish, the yellowtail (Seriola quinqueradiata), and a comparison with human erythrocytes. Hughes GM, et al. **J Exp Biol** 1982 Feb;96:209–20
Presence and possible function of root effect hemoglobins in fishes lacking functional swim bladders. Ingermann RL, et al. **J Exp Zool** 1982 Apr 10;220(2):171–7
Induction of nuclear anomalies (micronuclei) in the peripheral blood erythrocytes of the eastern mudminnow Umbra pygmaea by ethyl methanesulphonate. Hooftman RN, et al. **Mutat Res** 1982 Apr;104(1–3):147–52
Structure of binding sites for heterotropic effectors in fish haemoglobins. Barra D, et al. **Nature** 1981 Oct 15–21; 293(5833):587–8
The haemocytology and histology of the haemopoietic organs of South African freshwater fish. IV. Ultrastructure of some cells of Clarias gariepinus and Sarotherodon mossambicus. Boomker J. **Onderstepoort J Vet Res** 1981 Dec;48(4):195–205
The haematology and histology of the haemopoietic organs of South African freshwater fish. III. The leucocytes, plasma cells and macrophages of Clarias gariepinus and Sarotherodon mossambicus. Boomker J.
Onderstepoort J Vet Res 1981 Dec;48(4):185–93
The effect of chlorpromazine on monosaccharide transport in fish erythrocytes. Bolis L, et al.
Pharmacol Res Commun 1982 Apr;14(4):321–6
Oxygen transport and acid–base balance in the blood of the sheatfish, Silurus glanis. Albers C, et al. **Respir Physiol** 1981 Dec;46(3):223–36
Haematological and haemopoietic studies in an air–breathing fish on cyanocobalamin and folacin deficient diet. Mahajan CL, et al. **Scand J Haematol** 1981 Nov;27(5):346–54
In vivo subacute physiological stress induced by phenolic compounds on acid and alkaline phosphatases in serum of a fish, Notopterus notopterus. Dalela RC, et al.
Toxicol Lett 1980 Dec;7(2):181–6
Comparative haematological studies in some fresh water Indian fishes. Goel KA, et al.
Z Tierphysiol Tiernahr Futtermittelkd 1981;46(4):202–6
[Presence of carbonic anhydrase in 2 fish of the Kerguelen archipelago, Channichthys rhinoceratus lacking hemoglobin, and Notothenia megellanica with a normal blood formulation] Feller G, et al.
C R Seances Acad Sci [III] 1981 Oct–26;293(7):395–7 (Eng. Abstr.) **(Fre)**

CLASSIFICATION

Fish species identification by thin layer agarose isoelectric focusing and densitometric scanning. Hamilton WD.
J Assoc Off Anal Chem 1982 Jan;65(1):119–22
[Some anomalies in the soles of the genus Solea (Pisces, Heterosomata, Soleidae) from the gulf of Tunis] Goucha M. **Arch Inst Pasteur Tunis** 1981 Sep–Dec;58(3):477–86 (Eng. Abstr.) **(Fre)**

CYTOLOGY

The thymus gland in the loricariidean catfish Harttia sp. Savino W, et al. **Dev Comp Immunol** 1982 Spring; 6(2):375–80

EMBRYOLOGY

Development of the eyes in Agnatha and Chondrichthyes (Elasmobranchia). Yew DT. **Anat Anz** 1982;151(3):231–9
Differentiation of muscle fiber types in the teleost Brachydanio rerio, the zebrafish. Posthatching development. van Raamsdonk W, et al.
Anat Embryol (Berl) 1982;164(1):51–62
Localization of acetylcholinesterase activity in young embryos of the medaka Oryzias latipes, a teleost. Fluck RA. **Comp Biochem Physiol [C]** 1982;72(1):59–64
Specific reduction of development of the Mauthner neuron lateral dendrite after otic capsule ablation in Brachydanio rerio. Kimmel CB, et al. **Dev Biol** 1982 Jun;91(2):468–73
Cytopathology of the brain and retina of embryonic surf smelt (Hypomesus pretiosus) exposed to crude oil. Hawkes JW, et al. **Environ Res** 1982 Feb;27(1):164–78
Effects of ionizing radiation on the early development of Oryzias eggs. Suyama I, et al. **J Radiat Res (Tokyo)** 1981 Mar;22(1):125–33
LDH-B genotype-specific hatching times of Fundulus heteroclitus embryos. DiMichele L, et al. **Nature** 1982 Apr 8;296(5857):563–4

GENETICS

Geographic variation of muscle adenylate kinase in the loach Misgurnus anguillicaudatus. Oniwa K, et al.
Anim Blood Groups Biochem Genet 1981;12(4):309–12
Biochemical genetics of Fundulus heteroclitus (L.). IV. Spatial variation in gene frequencies of Idh-A, Idh-B, 6-Pgdh-A, and Est-S. Cashon RE, et al.
Biochem Genet 1981 Aug;19(7–8):715–28
Linkage group IV of fish of the genus Xiphophorus (Poeciliidae): assignment of loci coding for pyruvate kinase-1, glucosephosphate isomerase-1, and isocitrate dehydrogenase-1. Morizot DC, et al. **Biochem Genet** 1982 Jun;20(5–6):505–18
Biochemical genetics of Fundulus heteroclitus (L.). III. Inheritance of isocitrate dehydrogenase (Idh-A and Idh-B), 6-phosphogluconate dehydrogenase (6-Pgdh-A), and serum esterase (Est-S) polymorphisms. Van Beneden RJ, et al. **Biochem Genet** 1981 Aug;19(7–8):701–14
Inheritance of allozymes in Atlantic herring (Clupea harengus harengus). Kornfield I, et al.
Can J Genet Cytol 1981;23(4):715–20
Identification of a fish protein associated with a kinase activity and related to the Rous sarcoma virus transforming protein. Barnekow A, et al. **Cancer Res** 1982 Jun; 42(6):2429–33
Single-copy DNA relationships between diploid and tetraploid teleostean fish species. Schmidtke J, et al.
Chromosoma 1981;83(2):191–7
Tracing phylogeny through proteins of the layers of the eye lens nucleus. Smith AC. **Comp Biochem Physiol [B]** 1982; 71(4):723–6
Polymorphic nature of nucleolus organizer regions in fishes. Foresti F, et al. **Cytogenet Cell Genet** 1981;31(3):137–44
Distribution of C-band heterochromatin in the ZW sex chromosomes of European and American eels (Anguillidae, Teleostomi). Park EH, et al. **Cytogenet Cell Genet** 1981; 31(3):167–74
Sequence organization in the DNA of three Selachians. Olmo E, et al. **Experientia** 1982 Mar 15;38(3):339–40
Genetic dissection of clonally inherited genomes of Poeciliopsis: II. Investigation of a silent carboxylesterase allele. Spinella DG, et al. **Genetics** 1982 Feb;100(2):279–86
Genetics of Zoarces populations. XI. Inheritance of electrophoretic variants of the enzyme adenosine deaminase. Simonsen V, et al. **Hereditas** 1981;95(2):289–94
Lack of relationship between morphological variance and enzyme heterozygosity in the plaice, Pleuronectes platessa. McAndrew BJ, et al. **Heredity (Edinburgh)** 1982 Feb;48(Pt 1):117–25
Cytophotometric and autoradiographic evidence for functional apomixis in a gynogenetic fish, Poecilia formosa and its related, triploid unisexuals. Rasch EM, et al.
Histochemistry 1982;73(4):515–33
Inheritance of shoulder spotting in the jewel tetra, Hyphessobrycon callistus. Frankel JS. **J Hered** 1982 Jul–Aug;73(4):310
Induced chromosome number variation in the winter flounder. Hoornbeek FK, et al. **J Hered** 1981 May–Jun; 72(3):189–92
Linkage analysis of seventeen loci in poeciliid fish (genus Poeciliopsis). Leslie JF. **J Hered** 1982 Jan–Feb;73(1):19–23
Linkage of two enzyme loci in fishes of the genus Xiphophorus (Poeciliidae). Guanylate kinase-2 (GUK2) and glyceraldehyde-3-phosphate dehydrogenase-1 (GAPD1) designated as linkage group III. Morizot DC, et al. **J Hered** 1982 May–Jun;73(3):163–7
Diethylnitrosamine-induced hepatic tumors in wild vs. inbred strains of a viviparous fish. Schultz ME, et al.
J Hered 1982 Jan–Feb;73(1):43–8
The induction of a specific pigment cell type by total genomic DNA injected into the neural crest region of fish embryos of the genus Xiphophorus. Vielkind J, et al. **MGG** 1982; 185(3):379–89
The killifish Nothobranchius rachowi, a new animal in genetic toxicology. van der Hoeven JC, et al.
Mutat Res 1982 Feb;97(1):35–42
The primary structure of oocyte and somatic 5S rRNAs from the loach Misgurnus fossilis. Mashkova TD, et al.
Nucleic Acids Res 1981 May 11;9(9):2141–51
DNA sequence coding for an antifreeze protein precursor from winter flounder. Davies PL, et al.
Proc Natl Acad Sci USA 1982 Jan;79(2):335–9
[Glucosephosphate isomerase polymorphism in the teleost fish loach Misgurnus fossilis] Stoĭka RS, et al.
Biokhimiia 1981 Nov;46(11):2011–8 (Eng. Abstr.) **(Rus)**
[Ribosomal genes of the loach Misgurnus fossilis L. Isolation and restriction analysis] Kupriianova NS, et al.
Mol Biol (Mosk) 1981 Sep–Oct;15(5):1180–7 (Eng. Abstr.) **(Rus)**
[Heterogeneity of 5S ribosomal RNA of the loach Misgurnus fossilis L.] Timofeeva MIa, et al. **Mol Biol (Mosk)** 1982 Mar–Apr;16(2):282–90 (Eng. Abstr.) **(Rus)**

GROWTH & DEVELOPMENT

Deleterious effects of arsenic on the growth of fingerlings of a freshwater fish, Colisa fasciatus (Bl. & Sch.). Pandey K, et al. **Acta Pharmacol Toxicol (Copenh)** 1982 May; 50(5):398–400
Effects of benzo(a)pyrene on early development of flatfish. Hose JE, et al. **Arch Environ Contam Toxicol** 1982; 11(2):167–71
Some preliminary studies of the effects of a static magnetic field on the life cycle of the Lebistes reticulatus (guppy). Brewer HB. **Biophys J** 1979 Nov;28(2):305–14
Formation of photoreceptors in larval and adult goldfish. Johns PR. **J Neurosci** 1982 Feb;2(2):178–98
[Length growth of the North Sea plaice (Pleuronectes platessa) (author's transl)] Sager G. **Anat Anz** 1982; 151(1):87–100 (Eng. Abstr.) **(Ger)**
[Increase functions of the type DW/DT = K(T + T0)P (E – W)N and their integrals (author's transl)] Sager G. **Anat Anz** 1982;151(2):179–86 (Eng. Abstr.) **(Ger)**
[Length growth of the Greenland cod (Gadus callarias female) (author's transl)] Sager G. **Anat Anz** 1982; 151(4):401–15 (Eng. Abstr.) **(Ger)**
[Reflections on a life-cycle fish toxicity test with reference to the German Chemicals Control Act (author's transl)] Bresch H. **DTW** 1981 Jun 5;88(6):237–8 (Eng. Abstr.) **(Ger)**

IMMUNOLOGY

Protection and the immune response in fishes.
Dev Biol Stand 1981;49:305–71
Biologics for immunization of fishes. **Dev Biol Stand** 1981; 49:373–461
The complement system of the albacore tuna, Thunnus alalunga. Giclas PC, et al. **Dev Comp Immunol** 1981 Summer;5(3):437–47
Phylogeny of immunoglobulin structure and function. XI. Secretory immunoglobulins in the cutaneous mucus of the sheepshead, Archosargus probatocephalus. Lobb CJ, et al.
Dev Comp Immunol 1981 Fall;5(4):587–96
Alternate pathway of complement and bactericidal response of the channel catfish to Salmonella paratyphi. Ourth DD, et al. **Dev Comp Immunol** 1982 Winter;6(1):75–85
Introduction to fish immunology. Rijkers GT.
Dev Comp Immunol 1981 Fall;5(4):527–34 (48 ref.)
Non-lymphoid defense mechanisms in fish. Rijkers GT.
Dev Comp Immunol 1982 Winter;6(1):1–13 (71 ref.)
Lymphoid organs of teleost fish. I. Ultrastructure of the thymus of Rutilus rutilus. Zapata A.
Dev Comp Immunol 1981 Summer;5(3):427–36
Lymphoid organs of teleost fish. III. Splenic lymphoid tissue of Rutilus rutilus and Gobio gobio. Zapata A.
Dev Comp Immunol 1982 Winter;6(1):87–94

Neutralization of bacterial exotoxin (tetanus toxin) by catfish IgM antibody. Ourth DD. **Immunology** 1982 Jan; 45(1):49–53

Phylogeny of immunoglobulin structure and function–XII. Secretory immunoglobulins in the bile of the marine teleost Archosargus probatocephalus. Lobb CJ, et al. **Mol Immunol** 1981 Jul;18(7):615–9

Antibody diversity in lower vertebrates—why is it so restricted? Du Pasquier L. **Nature** 1982 Mar 25; 296(5855):311–3

Temperature–mediated processes in teleost immunity: homeoviscous adaptation in teleost lymphocytes. Abruzzini AF, et al. **Proc Soc Exp Biol Med** 1982 Jan;169(1):12–8

Transplantation reactions in the African lungfish, Protopterus amphibius. Haas R. **Transplantation** 1982 Mar;33(3):249–53

METABOLISM

Poor evidence for insulin/insulin–like immunoreactivity in the CNS of lower vertebrates. Bernstein HG, et al. **Acta Histochem (Jena)** 1981;69(1):57–60

Effect of aldrin on carbohydrate metabolism in Indian catfish. Srivastava AK, et al. **Acta Pharmacol Toxicol (Copenh)** 1981 Oct;49(4):266–9

Activity of dopamine–beta–hydroxylase (DBH) and phenylethanolamine–N–methyl transferase (PNMT) in heart, lung and chromaffin tissue from the Florida spotted gar Lepisosteus platyrhincus (Holostei). Abrahamsson T, et al. **Acta Physiol Scand** 1981 Apr;111(4):431–3

Axonal transport and subcellular distribution of dopamine–beta–hydroxylase in the cod, Gadus morhua. Jönsson AC, et al. **Acta Physiol Scand** 1981 Apr; 111(4):441–5

L–leucine transport in liver of Antarctic fish in vivo at 0 degrees C. Haschemeyer AE. **Am J Physiol** 1982 Mar; 242(3):R280–4

H+–dependent sulfate secretion in the marine teleost renal tubule. Renfro JL, et al. **Am J Physiol** 1982 Aug; 243(2):F150–9

Renal handling of taurine in marine fish. Schröck H, et al. **Am J Physiol** 1982 Jan;242(1):R64–9

Determination of the mothproofing agent Eulan WA (New) in fish tissue using gas – liquid chromatography following extractive methylation. Wells DE, et al. **Analyst** 1981 Aug; 106(1265):862–8

Prolactin level in relation to gonadotrophin concentration during different phases of annual reproductive cycle in the freshwater catfish, Clarias batrachus (Linn.). Singh SP, et al. **Ann Endocrinol (Paris)** 1981 Apr–Jun;42(2):159–68

Petroleum refinery wastewater induction of the hepatic mixed–function oxidase system in Pacific staghorn sculpin. Ridlington JW, et al. **Arch Environ Contam Toxicol** 1982; 11(1):123–7

Electron probe x–ray microanalysis of arsenic inclusions in fish. Sorensen EM, et al. **Arch Environ Contam Toxicol** 1982;11(4):469–73

The accumulation and disposition of benz(a)acridine in the fathead minnow, Pimephales promelas. Southworth GR, et al. **Arch Environ Contam Toxicol** 1981 Sep;10(5):561–9

1,3,5–Trichloro–2–(4–nitrophenoxy)benzene in fish, shellfish, and seawater in Tokyo Bay, 1977–1979. Yamagishi T, et al. **Arch Environ Contam Toxicol** 1981 Sep;10(5):627–35

Some histochemical and experimental studies on the adrenal gland of a percoid fish, Trichogaster fasciatus (Bloch & Schneider). Haider S, et al. **Arch Ital Anat Embriol** 1980; 85(4):317–26

Gadusol, an enolic derivative of cyclohexane–1,3–dione present in the roes of cod and other marine fish. Isolation, properties and occurrence compared with ascorbic acid. Plack PA, et al. **Biochem J** 1981 Dec 1;199(3):741–7

Identification of hepatic Z–protein in a marine elasmobranch, Platyrhinoides triseriata. Sugiyama Y, et al. **Biochem J** 1982 May 1;203(2):377–81

Preparation and characterization of subcellular fractions from the liver of the Northern Pike, Esox lucius. Balk L, et al. **Biochem Pharmacol** 1982 Apr 15;31(8):1491–500

Imidazole derivatives as inhibitors of cytochrome P–450–dependent oxidation and activators of epoxide hydrolase in hepatic microsomes from a marine fish. Little PJ, et al. **Biochem Pharmacol** 1981 Oct;30(20):2876–80

Reduction of fatty acids to alcohols in roe of gourami (Trichogaster cosby). Griffith TW, et al. **Biochim Biophys Acta** 1981 Jul 24;665(1):34–9

Relative toxicity of the technical grade material, isomers, and formulations of endosulfan to the fish Channa punctata. Devi AP, et al. **Bull Environ Contam Toxicol** 1981 Aug; 27(2):239–43

Depuration and biological half–life of 14C–PCB in aquatic organisms. Gooch JA, et al. **Bull Environ Contam Toxicol** 1982 Mar;28(3):305–12

Accumulation of polychlorinated biphenyls in Atlantic tomcod (Microgadus tomcod) collected from the Hudson River estuary, New York. Klauda RJ, et al. **Bull Environ Contam Toxicol** 1981 Dec;27(6):829–35

Effect of different preservation methods on the trace element concentrations of fish and mussel tissues. Klusek CS, et al. **Bull Environ Contam Toxicol** 1982 Feb;28(2):202–7

Biotransformation of mercurials by intestinal microorganisms isolated from yellowfin tuna. Pan–Hou HS, et al. **Bull Environ Contam Toxicol** 1981 Mar;26(3):359–63

Toxicity, absorption and elimination of phosphoric acid triesters by killifish and goldfish. Sasaki K, et al. **Bull Environ Contam Toxicol** 1981 Dec;27(6):775–82

Bioconcentration and excretion of phosphoric acid triesters by killifish (Oryzeas latipes). Sasaki K, et al. **Bull Environ Contam Toxicol** 1982 Jun;28(6):752–9

Intake and excretion of diazinon in freshwater fishes. Seguchi K, et al. **Bull Environ Contam Toxicol** 1981 Aug;27(2):244–9

Disposition of (9–14C) phenanthrene in a subtropical marine teleost (Haemulon sciurus). Solbakken JE, et al. **Bull Environ Contam Toxicol** 1982 Mar;28(3):285–9

Hemosiderin granules: cytotoxic response to arsenic exposure in channel catfish. Sorensen EM, et al. **Bull Environ Contam Toxicol** 1981 Nov;27(5):645–53

Excretion of a single oral dose of fish–arsenic in man. Tam GK, et al. **Bull Environ Contam Toxicol** 1982 Jun; 28(6):669–73

Gas–chromatographic analysis of residues of pirimiphos–methyl in water, fish, and snails. Zakitis LH, et al. **Bull Environ Contam Toxicol** 1982 Mar;28(3):334–40

Superoxide dismutase, catalase, and glutathione peroxidase in the swim bladder of the physoclistous fish, Opsanus tau L. Morris SM, et al. **Cell Tissue Res** 1981;220(4):739–52

Histology and histochemistry of the testis and ovary of the platyfish, Xiphophorus maculatus, from birth to sexual maturity. Schreibman MP, et al. **Cell Tissue Res** 1982; 224(1):781–7

Formation of mutagenic metabolites from benzo(a)pyrene and 2–aminoanthracene by the s–9 fraction from the liver of the Northern pike (Esox lucius): inducibility with 3–methylcholanthrene and correlation with benzo[a]pyrene monooxygenase activity. Balk L, et al. **Chem Biol Interact** 1982 Jul 15;41(1):1–13

Polyhalogenated biphenyls and phenobarbital: evaluation as inducers of drug metabolizing enzymes in the sheepshead, Archosargus probatocephalus. James MO, et al. **Chem Biol Interact** 1981 Aug;36(2):229–48

Studies on peptides. CVII. Synthesis of urotensin II. Akaji K, et al. **Chem Pharm Bull (Tokyo)** 1982 Jan;30(1):349–53

Localization, characterization and partial purification of TMAO–ase. Gill TA, et al. **Comp Biochem Physiol [B]** 1982;71B(1):49–56

Further characterization of two mitochondrial populations in tuna heart ventricle. Greco G, et al. **Comp Biochem Physiol [B]** 1982;71B(1):71–5

Characteristics of two trypsin type isozymes isolated from the arctic fish capelin (Mallotus villosus). Hjelmeland K, et al. **Comp Biochem Physiol [B]** 1982;71(4):557–62

Comparison of carotenoids in the ovaries of marine fish and shellfish. Miki W, et al. **Comp Biochem Physiol [B]** 1982; 71B(1):7–11

Adaptative features of ectothermic enzymes—I. Temperature effects on the malate dehydrogenase from a temperate fish Leiostomus xanthurus. Schwantes ML, et al. **Comp Biochem Physiol [B]** 1982;72(1):49–58

Prostaglandin biosynthesis in the skin of the plaice Pleuronectes platessa L. Anderson AA, et al. **Comp Biochem Physiol [C]** 1981;70(2):195–9

Effects of petroleum refinery wastewater exposure on gill ATPase and selected blood parameters in the Pacific staghorn sculpin (leptocottus armatus). Boese BL, et al. **Comp Biochem Physiol [C]** 1982;71C(1):63–7

Effects of inhibitors on monoamine oxidase activity in perch (Perca flavescens) brain in vitro. Hall TR, et al. **Comp Biochem Physiol [C]** 1982;71(2):141–4

Choline acetyltransferase activity in the heart from two teleosts, Gadus morhua and Salmo gairdneri. Holmgren S. **Comp Biochem Physiol [C]** 1981;69(2):403–5

The effect of L–DOPA on blood pressure and catecholamine content in the brain and peripheral organs in the Atlantic cod, Gadus morhua. Johansson P, et al. **Comp Biochem Physiol [C]** 1981;70(2):249–53

Dopamine–beta–hydroxylase activity in the axillary bodies, the heart and the splanchnic nerve in two elasmobranchs, Squalus acanthias and Etmopterus spinax. Jönsson AC. **Comp Biochem Physiol [C]** 1982;71(2):191–4

Extrahepatic xenobiotic metabolism in North–European Freshwater fish. Lindström–Seppä P, et al. **Comp Biochem Physiol [C]** 1981;69(2):259–63

Metabolism of phenanthrene in various marine animals. Solbakken JE, et al. **Comp Biochem Physiol [C]** 1981; 70(1):21–6

Evidence of adrenergic and cholinergic receptors in teleost melanophores. Visconti MA, et al. **Comp Biochem Physiol [C]** 1981;70(2):293–6

Microsomal mixed–function oxidases in fish in relation to environmental contamination by organochlorine insecticides. Yahalomi Z, et al. **Comp Biochem Physiol [C]** 1981;70(1):97–102

Lipid peroxidation in fish muscle microsomes in the frozen state. Apgar ME, et al. **Cryobiology** 1982 Apr;19(2):154–62

Tannic acid–induced biochemical changes in the liver of two teleost fishes, Clarias batrachus and Ophiocephalus punctatus. Goel BB, et al. **Ecotoxicol Environ Safety** 1981 Dec;5(4):418–23

Effect of mercuric chloride on enzyme activities in the digestive system and chemical composition of liver and muscles of the catfish, Heteropneustes fossilis. Gupta PK, et al. **Ecotoxicol Environ Safety** 1981 Dec;5(4):389–400

Histopathological and enzymological alterations in the digestive system of a freshwater teleost fish, Heteropneustes fossilis, exposed acutely and chronically to diazinon. Sastry KV, et al. **Ecotoxicol Environ Safety** 1982 Jun;6(3):223–35

Effects of endosulfan on fish carbohydrate metabolism. Singh NN, et al. **Ecotoxicol Environ Safety** 1981 Dec;5(4):412–7

Temperature dependent action of estrogen in Singi fish (Heteropneustes fossilis Bloch). Dasmahapatra AK, et al. **Endokrinologie** 1981 Oct;78(1):107–10

Biochemical alterations induced by cadmium in the liver of Channa punctatus. Dubale MS, et al. **Environ Res** 1981 Oct;26(1):110–8

Metabolism of orally administered naphthalene in spawning English sole (Parophrys vetulus). Reichert WL, et al. **Environ Res** 1982 Apr;27(2):316–24

In vivo removal of a few heavy metals in certain tissues of the fish Notopterus notopterus. Verma SR, et al. **Environ Res** 1981 Dec;26(2):328–34

The effect of age on body energy content of the annual cyprinodont fish, Nothobranchius guentheri. Balmer RT. **Exp Gerontol** 1982;17(2):139–43

Lactate dehydrogenase specificity and subunit assembly in neural tissues of the teleost Phallichthys amates. Frankel JS. **Experientia** 1982 Jun 15;38(6):673–4

Fish muscle microsomes catalyze the conversion of trimethylamine oxide to dimethylamine and formaldehyde. Parkin KL, et al. **FEBS Lett** 1982 Mar 8;139(1):61–4

Histochemical localization of lipids, phospholipids and 'chromaffin' material in the adrenal gland homologue of some freshwater teleosts. A comparative study. Pandey AC. **Folia Morphol (Praha)** 1981;29(4):421–4

Biochemical evidence for aromatization of androgen to estrogen in the pituitary. Callard GV, et al. **Gen Comp Endocrinol** 1981 Jul;44(3):359–64

Changes in catecholamine content of the hypothalamus during adaptation of fish to changed external salinity. Hegab SA, et al. **Gen Comp Endocrinol** 1981 Jul; 44(3):324–34

Effects of teleost urotensins on intestinal absorption of water and NaCl in tilapia, sarotherodon mossambicus, adapted to fresh water or seawater. Mainoya JR, et al. **Gen Comp Endocrinol** 1982 May;47(1):54–8

Ovarian cholesterol dynamics in teleost Channa punctatus (Bloch): relationship with reproductive cycle and response to gonadotropins. Mukherjee D, et al. **Gen Comp Endocrinol** 1982 Feb;46(2):141–9

A sensitive and easy bioassay for teleost gonadotropin depending on the ovarian–free cholesterol depletion in vitro. Mukherjee D, et al. **Gen Comp Endocrinol** 1981 Oct; 45(2):249–55

Epinephrine–induced changes in the cyclic nucleotide content of fish melanoma cells. Negishi S, et al. **Gen Comp Endocrinol** 1982 May;47(1):88–93

Blood and pituitary prolactin levels in tilapia (Sarotherodon mossambicus; Teleostei) from different salinities as measured by a homologous radioimmunoassay. Nicoll CS, et al. **Gen Comp Endocrinol** 1981 Jul;44(3):365–73

Effects of a converting enzyme inhibitor and angiotensin antagonists on the rat pressor effect of angiotensin–like substance formed by goosefish Stannius corpuscles and homologous plasma. Pang PK, et al. **Gen Comp Endocrinol** 1981 Nov;45(3):402–5

Immunoreactive gonadotropin and luteinizing hormone releasing hormone in the pituitary gland of neonatal platyfish. Schreibman MP, et al. **Gen Comp Endocrinol** 1982 Jul;47(3):385–91

Synthesis of vitellogenin and its uptake by the ovary in the catfish, Heteropneustes fossilis (Bloch) in response to carp gonadotropin and its subunits. Sundararaj BI, et al. **Gen Comp Endocrinol** 1982 Jan;46(1):93–8

In vitro metabolism of 4–pregnenes in ovaries of a freshwater teleost, the ayu (Plecoglossus altivelis): production of 17 alpha, 20 beta–dihydroxy–4–pregnen–3–one and its 5 beta–reduced metabolites, and activation of 3 beta– and 20 beta–hydroxysteroid dehydrogenases by treatment with a fish gonadotropin. Suzuki K, et al. **Gen Comp Endocrinol** 1981 Dec;45(4):473–81

Bioaccumulation of 95mTc in fish and snails. Blaylock BG, et al. **Health Phys** 1982 Mar;42(3):257–66

Oxidative enzymes in the urinary apparatus of several marine fishes. Hentschel H, et al. **Histochem J** 1982 Jan;14(1):49–72

Interconversion of vitamin A1 & A2 in freshwater fish. Goswami BC, et al. **Indian J Biochem Biophys** 1981 Apr; 18(2):159–60

Intestinal conversion of lutein into 3–dehydroretinol in freshwater fish, Heteropneustes fossilis & Channa straitus. Goswami UC, et al. **Indian J Biochem Biophys** 1981 Feb; 18(1):88

Distribution of retinol & dehydroretinol in freshwater fish. Goswami UC, et al. **Indian J Biochem Biophys** 1981 Oct; 18(5):383–5

Tissue phospholipid distribution in catfish. Malkhede DD, et al. **Indian J Biochem Biophys** 1981 Feb;18(1):78–9

Inhibition of tyrosine aminotransferase activity during severe hypoxic stress in a fish Cyprinus carpio. Ratha BK, et al. **Indian J Biochem Biophys** 1981 Dec;18(6):445–7

Metabolism of Tilapia mossambica (Peters) with emphasis on hypoxia. Mohamed MP. **Indian J Exp Biol** 1981 Nov; 19(11):1098–100

Studies on superoxide dismutase from cod (Gadus morhua) liver. Bartkowiak A, et al. **Int J Biochem** 1981; 13(9):1039–42

The cumulation of zinc and cadmium in fish (Poecilia reticulata). Starý J, et al. **Int J Environ Anal Chem** 1982; 11(2):117–20

Chemical form and distribution of mercury and selenium in edible seafood. Cappon CJ, et al. **J Anal Toxicol** 1982 Jan–Feb;6(1):10–21

Open digestion modification of AOAC method for determination of mercury in fish. Duve RN, et al. **J Assoc Off Anal Chem** 1981 Jul;64(4):1027–9

Gas chromatographic determination of methyl and ethyl mercury: 'passivation' of the chromatographic column. O'Reilly JE. **J Chromatogr** 1982 Apr 23;238(2):433–44

Residues of chlorpyrifos–methyl in balsam fir foliage, forest litter, soil, stream water, sediment and fish tissue after double aerial applications of Reldan. Szeto S, et al. **J Environ Sci Health [B]** 1981;B16(6):743–66

Ammonia excretion by the gills of two marine teleost fish: the importance of NH4+ permeance. Goldstein L, et al. **J Exp Zool** 1982 Feb 20;219(3):395–7

Thiocyanate transport across fish intestine (Pleuronectes platessa). Katz U, et al. **J Membr Biol** 1982;66(1):9–14

Crystallization and preliminary X-ray data for parvalbumin IIIf of Opsanus tau. Hamoir G, et al. **J Mol Biol** 1981 Dec 5;153(2):487–9

Electrophoretic comparison of the proteins of some perch (Perca fluviatilis L.) head muscles. Focant B, et al. **J Muscle Res Cell Motil** 1981 Sep;2(3):295–305

Magnesium requirement of fingerling channel catfish and signs of magnesium deficiency. Gatlin DM 3d, et al. **J Nutr** 1982 Jun;112(6):1182–7

Effects of diet on lipogenic enzyme activities in channel catfish hepatic and adipose tissue. Likimani TA, et al. **J Nutr** 1982 Jan;112(1):112–7

Intestinal synthesis and absorption of vitamin B–12 in channel catfish. Limsuwan T, et al. **J Nutr** 1981 Dec; 111(12):2125–32

Dietary phosphorus requirement of channel catfish. Wilson RP, et al. **J Nutr** 1982 Jun;112(6):1197–202

Effects of pH on the accumulation of sulfonamides by fish. Lo IH, et al. **J Pharmacokinet Biopharm** 1981 Aug; 9(4):443–59

Heavy metal inhibition of p–aminohippurate transport in flounder renal tissue: sites of HgCl2 action. Miller DS. **J Pharmacol Exp Ther** 1981 Nov;219(2):428–34

Sodium dependency of active chloride transport across isolated fish skin (Gillichthys mirabilis). Marshall WS. **J Physiol (Lond)** 1981;319:165–78

Detection and localization of alkaline phosphatase, DNA, glycogen, mucopolysaccharides and bound lipids in the testis of a teleost fish, Channa punctatus (Bloch), during the annual cyclical changes by histochemical methods. Sinha GM, et al. **Mikroskopie** 1981 Aug;38(7–8):228–40

Cytochrome P–450 and monooxygenase activity in cardiac microsomes from the fish Stenotomus chrysops. Stegeman JJ, et al. **Mol Pharmacol** 1982 Mar;21(2):517–26

Counterstaining of fluorescent retinal preparations: cell densities in different layers. Negishi K, et al. **Neuroscience** 1981;6(10):2047–51

Scombroid fish poisoning in central New York State. Nosanchuk JS, et al. **NY State J Med** 1982 Feb;82(2):202–3

Organochlorine insecticide concentrations in fish of the Des Moines River, Iowa, 1977–78. Bulkley RV, et al. **Pestic Monit J** 1981 Sep;15(2):86–9

Persistence of dieldrin water and channel catfish from the Des Moines River, Iowa, 1971–73 and 1978. Leung SY, et al. **Pestic Monit J** 1981 Sep;15(2):98–102

Cadmium, lead, mercury, arsenic, and selenium concentrations in freshwater fish, 1976–77—National Pesticide Monitoring Program. May TW, et al. **Pestic Monit J** 1981 Jun;15(1):14–38

Organochlorine residues in fish: National Pesticide Monitoring Program, 1970–74. Schmitt CJ, et al. **Pestic Monit J** 1981 Mar;14(4):136–206

Polychlorinated biphenyls and other organic chemical residues in fish from major United States watersheds near the Great Lakes, 1978. Veith GD, et al. **Pestic Monit J** 1981 Jun;15(1):1–8

Biochemical compartmentation of fish tissues. Distribution of gluconeogenic enzymes in the brain. Shaffi SA. **Physiol Bohemoslov** 1981;30(4):375–80

The sublethal effects of a polychlorinated biphenyl (Aroclor 1254) diet on the Atlantic cod (Gadus morhua). Freeman HC, et al. **Sci Total Environ** 1982 May;24(1):1–11

Chlorinated hydrocarbons in fish from the river Po (Italy). Galassi S, et al. **Sci Total Environ** 1981 Oct;20(3):231–40

Analysis of volatile halogenated organic compounds in fish. Ofstad EB, et al. **Sci Total Environ** 1981 Oct;20(3):205–15

Mercurial toxicity in the liver of a freshwater teleost Channa punctatus. Rana SV, et al. **Toxicol Lett** 1982 Apr; 11(1–2):7–10

Enzymological and biochemical changes produced by mercuric chloride in a teleost fish, Channa punctatus. Sastry KV, et al. **Toxicol Lett** 1981 Dec;9(4):321–6

Effect of cadmium and chromium on the intestinal absorption of glucose in the snakehead fish, Channa punctatus. Sastry KV, et al. **Toxicol Lett** 1982 Feb;10(2–3):293–6

Acute and chronic effects of diazinon on the activities of three dehydrogenases in the digestive system of a freshwater teleost fish Channa punctatus. Sastry KV, et al. **Toxicol Lett** 1982 Jan;10(1):55–9

Toxic effects of chromium in a freshwater teleost fish, Channa punctatus. Sastry KV, et al. **Toxicol Lett** 1982 Apr; 11(1–2):17–21

Effect of mercuric chloride on the intestinal absorption of an amino acid, glycine, in the freshwater murrel, Channa punctatus. Sastry KV, et al. **Toxicol Lett** 1982 Apr; 11(1–2):11–5

Acute toxicity of propoxur on carbohydrate metabolism of Indian catfish (Heteropneustes fossilis). Srivastava AK, et al. **Toxicol Lett** 1982 Apr;11(1–2):31–4

Comparative effects of copper, cadmium and mercury on tissue glycogen of the catfish, Heteropneustes fossils (Bloch). Srivastava DK. **Toxicol Lett** 1982 Apr; 11(1–2):135–9

Effect of copper on tissue acid and alkaline phosphates in the green snakehead, Ophiocephalus punctatus (Bloch). Srivastava DK, et al. **Toxicol Lett** 1982 May;11(3–4):237–41

Effect of phenolic compounds on in vivo activity of glucose–6–phosphatase in certain tissues of Notopterus notopterus. Verma SR, et al. **Toxicol Lett** 1981 Sep; 9(1):27–33

Pesticide–induced physiological alterations in certain tissues of a fish, Mystus vittatus. Verma SR, et al. **Toxicol Lett** 1981 Dec;9(4):327–32

Effects of a few xenobiots on three phosphatases of Saccobranchus fossilis and the role of ascorbic acid in their toxicity. Verma SR, et al. **Toxicol Lett** 1982 Feb; 10(2–3):287–92

Effects of sodium pentachlorophenate on enzymes of energy metabolism in tissues of Notopterus notopterus. Verma SR, et al. **Toxicol Lett** 1982 Feb;10(2–3):297–302

In vitro effect of mercury on tissue phosphatases of Notopterus notopterus and the role of EDTA and AA in their restoration. Verma SR, et al. **Toxicol Lett** 1982 Jan; 10(1):25–9

Pardachirus marmoratus (Red Sea flatfish) secretion and its isolated toxic fraction pardaxin: the relationship between hemolysis and ATPase inhibition. Primor N, et al. **Toxicon** 1981;19(4):573–8

Thermostability of sea fish rhodopsins. Berman AL, et al. **Vision Res** 1981;21(5):731–7

Effects of products of phospholipid hydrolysis by phospholipases on rhodopsin thermal stability in photoreceptor membranes. Kagan VE, et al. **Vision Res** 1981;21(7):1029–34

The biotransformation of [14C]phenol in some freshwater fish. Layiwola PJ, et al. **Xenobiotica** 1981 Mar;11(3):167–71

In vitro intestinal transport of D–glucose and D–xylose in two teleost. Garg VK, et al. **Z Tierphysiol Tiernahr Futtermittelkd** 1981;46(5):269–73

[A survey on the mercurial content of six kinds of fish from fishpond (author's transl)] Liang GZ. **Chung Hua Yu Fang I Hsueh Tsa Chih** 1981 May; 15(3):175–6 **(Chi)**

[Colorimetric determination of total mercury with di–beta–naphthylthiocarbazone. Application to fish control (author's transl)] Gras G, et al. **Ann Pharm Fr** 1982 Mar; 39(6):529–36 (Eng. Abstr.) **(Fre)**

[Electrophoresis of crystalline lens proteins of serranids (g. Serranus) and wolffish (g. Dicentrarchus) from the east coast of Tunisia (gulf of Gabès)] Bouain A, et al. **Arch Inst Pasteur Tunis** 1981 Sep–Dec;58(3):465–75 (Eng. Abstr.) **(Fre)**

[Cytochemical alterations in teleost hepatocytes induced by starvation (author's transl)] Macha N, et al. **Cell Mol Biol** 1982;28(2):183–6 **(Fre)**

[Mercury and methylmercury pollution of fishery products. Toxicological effects on human health (author's transl)] Gras G, et al. **Toxicol Eur Res** 1981 Sep;3(5):243–59 (Eng. Abstr.) **(Fre)**

[Influence of Pluronic F 68 on the absorption of benzocaine and lidocaine by fish (author's transl)] Frömming KH, et al. **Arch Pharm (Weinheim)** 1981 Nov;314(11):926–32 (Eng. Abstr.) **(Ger)**

[Free and total amino acids in the muscles of ice fish (Champsocephalus gunnari Lönnberg) and krill (Euphausia superba Dana)] Partmann W. **Z Ernahrungswiss [Suppl]** 1981 Sep;20(3):163–71 (Eng. Abstr.) **(Ger)**

[Studies on mercury content of fishes from the Regnitz River in relation to species, length, bodyweight and age (author's transl)] Pleyer G. **Zentralbl Bakteriol Mikrobiol Hyg [B]** 1981; 173(3–4):159–72 (Eng. Abstr.) **(Ger)**

[Heavy metal concentrations in various species fished from the Gulf of Catania] Castagna A, et al. **Boll Soc Ital Biol Sper** 1981 Mar 30;57(6):621–7 (Eng. Abstr.) **(Ita)**

[Effect of insulin on carbohydrate metabolism in the catfish (Ictalurus melas). II) In vitro experiments] Ottolénghi C, et al. **Boll Soc Ital Biol Sper** 1981 Apr 15;57(7):777–83 (Eng. Abstr.) **(Ita)**

[Effect of insulin on carbohydrate metabolism in the catfish (Ictalurus melas). I) In vivo experiments] Ottólenghi C, et al. **Boll Soc Ital Biol Sper** 1981 Apr 15;57(7):770–6 (Eng. Abstr.) **(Ita)**

[The concentrations of 60Co and stable cobalt in the migratory marine organism (author's transl)] Fukatsu H, et al. **Radioisotopes** 1982 Jan;31(1):16–20 (Eng. Abstr.) **(Jpn)**

[An L–rhamnose–binding lectin in the eggs of Misgurnus anguillicaudatus (author's transl)] Sakakibara F, et al. **Yakugaku Zasshi** 1981 Oct;101(10):918–25 (Eng. Abstr.) **(Jpn)**

MICROBIOLOGY

Fish tank granuloma: a diagnostic dilemma. MacLellan DG, et al. **Aust NZ J Surg** 1982 Apr;52(2):189–92

Biologics used for serodiagnostics of fish pathogens (viruses). **Dev Biol Stand** 1981;49:1–82

Market fish hygiene in Kenya. Binta GM, et al. **J Hyg (Lond)** 1982 Aug;89(1):47–52

Mycobacterium marinum infection. A fishy story. Bailey JP Jr, et al. **JAMA** 1982 Mar 5;247(9):1314

Epidemiological report: incidence of Clostridium botulinum in coastal and inland areas of West Java. Haq I, et al. **Jpn J Med Sci Biol** 1981 Aug;34(4):231–5

Studies on parasitic watermoids of Kumaun Himalaya; host range of Achlya americana Humphrey, on certain temperate fish. Khulbe RD, et al. **Mykosen** 1981 Mar; 24(3):177–80

Messenger RNA of infectious pancreatic necrosis virus is polycistronic. Mertens PP, et al. **Nature** 1982 May 20; 297(5863):243–6

Genomic and phenotypic divergence among three serotypes of aquatic birnaviruses (infectious pancreatic necrosis virus). Macdonald RD, et al. **Virology** 1981 Oct 15; 114(1):187–95

Bacterial pollution indicators in the intestinal tract of various fish species living an Amir–Kolayeh lagoon. Nuhi A, et al. **Zentralbl Bakteriol [Naturwiss]** 1981;136(7):566–71

[Histamine formation by Proteus species in tunafish (author's transl)] Yamani MI, et al. **Zentralbl Bakteriol Mikrobiol Hyg [B]** 1981 Sep; 173(6):478–87 (Eng. Abstr.) **(Ger)**

PARASITOLOGY

Electron microscope study of the epimastigotes of a fish trypanosome, Trypanosoma cobitis, in culture. Lewis JW, et al. **Ann Trop Med Parasitol** 1981 Oct;75(5):533–8

Sublethal copper stress and susceptibility of channel catfish to experimental infections with Ichthyophthirius multifiliis. Ewing MS, et al. **Bull Environ Contam Toxicol** 1982 Jun; 28(6):674–81

Discobothrium aegyptiacus n. sp., a cestode from Raja circularis in the Mediterranean sea, Egypt. Hassan SH. **J Egypt Soc Parasitol** 1982 Jun;12(1):169–73

Histological changes in the liver of Merluccius merluccius by Anisakis larvae. Ramadan HH, et al. **J Egypt Soc Parasitol** 1981 Dec;11(2):409–19

On Echinobothrium helmymohamedi n. sp. (Cestoda : Diphyllidea); a parasite of the sting ray Taeniura lymma from the Red sea. Saoud MF, et al. **J Egypt Soc Parasitol** 1982 Jun;12(1):199–207

Effect of freezing and drilling on Pygidiopsis genata metacercariae in Tilapia. Youssef M, et al. **J Egypt Soc Parasitol** 1981 Dec;11(2):425–8

Isolation of Acanthamoeba and Naegleria from the intestinal contents of freshwater fishes and their potential pathogenicity. Franke ED, et al. **J Parasitol** 1982 Feb; 68(1):164–6

Epidemiology of Alaria marcianae mesocercariae in Louisiana. Shoop WL, et al. **J Parasitol** 1981 Dec; 67(6):928–31

Human Life Bill [letter] Dooley JR. **JAMA** 1982 Apr 23; 247(16):2230–1

A report on the presence of trematode parasites in the brain ventricles of the teleost Channapunctatus (Bloch). Joshi BN, et al. **Mikroskopie** 1981 Oct;38(9–10):253–5

Ascaridoid nematode larvae in marine fishes from the Gulf of Thailand. Bhaibulaya M. **Southeast Asian J Trop Med Public Health** 1981 Dec; 12(4):590–4

[A new castode Phyllobothrium pastinacae sp. n. described from the spiral valve of Dasyatis pastinaca taken from Tunis gulf (author's transl)] Mokhtar–Maamouri F, et al. **Ann Parasitol Hum Comp** 1981;56(4):375–9 (Eng. Abstr.) **(Fre)**

[Some aspects of nutritional mechanisms in the isopod Ceratothoa oestroides Risso, 1826 parasite of fishes (author's transl)] Romestand B, et al. **Ann Parasitol Hum Comp** 1982;57(1):79–89 (Eng. Abstr.) **(Fre)**

[Experimental realization of the life cycle of Ergasilus lizae Kroyer, 1853, parasitic Copepoda of the fish Mugilidae. First results of infestation] Ben Hassine OK, et al. **Arch Inst Pasteur Tunis** 1981 Sep–Dec;58(3):423–30 (Eng. Abstr.) **(Fre)**

[The species Ceratomyxa (Myxosporidae) in Serranidae (fishes, Teleosta)] Siau Y, et al. **Arch Inst Pasteur Tunis** 1981 Sep–Dec;58(3):431–9 (Eng. Abstr.) **(Fre)**

[Parasites in sea and fresh water fishes] Borowiec D, et al. **Angew Parasitol** 1981 May;22(2):78–83 (Eng. Abstr.) **(Ger)**

[1st findings of Anisakis larvae in pike perches, Stizostedion lucioperca, in coastal waters of the Baltic Sea] Feiler K, et al. **Angew Parasitol** 1981 Aug;22(3):124–30 (Eng. Abstr.) **(Ger)**

[Various aspects of the parasite infestation of Micromesistius poutassou] Lorenz H. **Angew Parasitol** 1981 Nov; 22(4):221–4 **(Ger)**

[Lepocreadiidae (Digenea) from fish on the coast of Mozambique] Reimer LW. **Angew Parasitol** 1981 Nov; 22(4):204–12 (Eng. Abstr.) **(Ger)**

[Cystobranchus fasciatus (Kollar) in the Bug River in the Podlasie province] Danilkiewicz Z. **Wiad Parazytol** 1981; 27(6):773–4 **(Pol)**

[Occurrence of blood flagellates belonging to genus Trypanosoma Gruby, 1841, in the blood of carp—Cyprinus carpio L. and that of tench—tinca L.] Jastrzębski M. **Wiad Parazytol** 1981;27(6):753–61 (Eng. Abstr.) **(Pol)**

[Occurrence of 3 species of Trematoda in Brazilian fishes] de Fabio SP. **Rev Bras Biol** 1981 Aug;41(3):549–52 (Eng.

Abstr.) (Por)
[Anisakidae (Raillet and Henry, 1912) Skrjabin and Karokhin, 1945 Larvae in fish from the South Coast of Chile (author's transl)] Torres P, et al.
Bol Chil Parasitol 1981 Jan-Jun;36(1-2):39-41 (Eng. Abstr.) (Spa)

PHYSIOLOGY

On the adrenergic system of ganoid fish: the beluga, Huso huso (chondrostei). Balashov NV, et al.
Acta Physiol Scand 1981 Apr;111(4):435-40

Effects of exogenous angiotensin II in the Atlantic cod, Gadus morhua. Observations on gastric acid secretion, gastric sham drinking and gastric mucosal plasma flow (14C-aniline clearance). Holstein B, et al.
Acta Physiol Scand 1981;113(3):363-9

On the adrenergic system of ganoid fish: the Florida spotted gar, Lepisosteus platyrhincus (Holostei). Nilsson S.
Acta Physiol Scand 1981 Apr;111(4):447-54

Metabolic and acid-base changes during selection of warmer water by cold-acclimated fish. Crawshaw LI, et al.
Am J Physiol 1982 Jan;242(1):R157-61

Chloride secretion and conductance of teleost opercular membrane: effects of prolactin. Foskett JK, et al.
Am J Physiol 1982 Mar;242(3):R380-9

Temperature-sensitive neurons in the preoptic region of sunfish. Nelson DO, et al. **Am J Physiol** 1981 Nov; 241(5):R259-63

Effect of tilting on blood pressure and interstitial fluid pressures of bluefish and smooth dogfish. Ogilvy CS, et al. **Am J Physiol** 1982 Jan;242(1):R70-6

Effect of sex steroids on pituitary and serum prolactin level in ovariectomized catfish, Clarias batrachus. Singh SP, et al. **Ann Endocrinol (Paris)** 1981 Jan-Mar;42(1):57-62

Observations on Aphanius dispar (Rüppell, 1828), a mosquito larvivorous fish in Riyadh, Saudi Arabia. Ataur-Rahim M. **Ann Trop Med Parasitol** 1981 Jun;75(3):359-62

Electroreception. Bullock TH. **Annu Rev Neurosci** 1982; 5:121-70

Energetics of locomotion in warm-bodied fish. Stevens ED, et al. **Annu Rev Physiol** 1982;44:121-31

Acute lethality and effects of sublethal cadmium exposure on ventilation frequency and cough rate of bluegill (Lepomis macrochirus). Bishop WE, et al.
Arch Environ Contam Toxicol 1981 Sep;10(5):519-30

Effects of Kepone on the sheepshead minnow in an entire life-cycle toxicity test. Goodman LR, et al.
Arch Environ Contam Toxicol 1982;11(3):335-42

Testicular abnormalities in cod (Gadus morhua) fed Aroclor 1254. Sangalang GB, et al.
Arch Environ Contam Toxicol 1981 Sep;10(5):617-26

Spatio-temporal cross-correlation analysis of catfish retinal neurons. Powers RL, et al. **Biol Cybern** 1981;41(3):179-96

An ultrasonic salinity telemetry transmitter for use on fish in estuaries. Priede IG. **Biotelem Patient Monit** 1982; 9(1):1-9

Synaptic organization in the pacemaker nucleus of a medium-frequency weakly electric fish, Eigenmannia sp. Elekes K, et al. **Brain Res** 1982 Apr 15;237(2):267-81

Color vision and retinal chromatic information processing in teleost: a review. Wheeler TG. **Brain Res** 1982 Jun; 257(2):177-235 (253 ref.)

Tectal projections in teleosts: responses of some target nuclei to direct tectal stimulation. Williams B, et al. **Brain Res** 1982 Jun 17;242(1):3-9

Static acute toxicity of sodium bromide to fathead minnows. Alexander HC, et al. **Bull Environ Contam Toxicol** 1981 Sep;27(3):326-31

Avoidance of dredge spoil by herring (Clupea harengus harengus). Johnston DW, et al.
Bull Environ Contam Toxicol 1981 Mar;26(3):307-14

Toxicity of the PCBs Aroclor 1254 and 1242 to embryos and larvae of the mummichog, Fundulus heteroclitus. Weis P, et al. **Bull Environ Contam Toxicol** 1982 Mar; 28(3):298-304

Peripheral feedback mechanisms acting on the central pattern generators for locomotion in fish and cat. Andersson O, et al. **Can J Physiol Pharmacol** 1981 Jul;59(7):713-26

Morphology of regenerated spinal cord in Sternarchus albifrons. Anderson MJ, et al. **Cell Tissue Res** 1981; 219(1):1-8

Fine structure and metabolism of multiply innervated fast muscle fibres in teleost fish. Johnston IA, et al.
Cell Tissue Res 1981;219(1):93-109

Capillarisation, oxygen diffusion distances and mitochondrial content of carp muscles following acclimation to summer and winter temperatures. Johnston IA. **Cell Tissue Res** 1982;222(2):325-37

Electron microscopic and histochemical investigations of the atretic oocyte of Perca fluviatilis L. (Teleostei). Lang I.
Cell Tissue Res 1981;220(1):201-12

Volatile sulfur compounds responsible for an offensive odor of the flat-head, Calliurichthys doryssus. Shiomi K, et al.
Comp Biochem Physiol [B] 1982;71B(1):29-31

Ecotoxicology of pyrethroid insecticides: short term effects of decis 2-5 on juvenile Astyanax (Astyanax) fasciatus fasciatus (Tetragonopteridae, Pisces) in captivity. Salibian A, et al. **Comp Biochem Physiol [C]** 1981;70(2):265-8

Physiological and biochemical effects of acute exposure of fish to hydrogen sulfide. Torrans EL, et al.
Comp Biochem Physiol [C] 1982;71(2):183-90

Jewel fish retain juvenile schooling pattern after crowded development. Coss RG, et al. **Dev Psychobiol** 1981 Sep; 14(5):451-7

Investigation of the long-term action of xenobiotics on fish with special regard to reproduction. Bresch H.
Ecotoxicol Environ Safety 1982 Feb;6(1):102-12

Sublethal physiological effects of chlorinated paraffins on the flounder, Platichthys flesus L. Haux C, et al.
Ecotoxicol Environ Safety 1982 Feb;6(1):49-59

Joint toxicity of mixtures of 8 and 24 chemicals to the guppy (Poecilia reticulata). Hermens J, et al.
Ecotoxicol Environ Safety 1982 Jun;6(3):302-10

Cytogenetic effects on the eastern mudminnow, Umbra pygmaea, exposed to ethyl methanesulfonate, benzo[a]pyrene, and river water. Hooftman RN, et al.
Ecotoxicol Environ Safety 1981 Sep;5(3):261-9

The effects of oil, dispersant, and emulsions on the survival and behavior of an estuarine teleost and an intertidal amphipod. Butler RG, et al. **Environ Res** 1982 Apr; 27(2):266-76

Induction of hepatic tumors with 7,12-dimethylbenz[a]anthracene in two species of viviparous fishes (Genus poeciliopsis). Schultz ME, et al.
Environ Res 1982 Apr;27(2):337-51

Control of renal function in freshwater and marine teleosts. Nishimura H, et al. **Fed Proc** 1982 Jun;41(8):2355-60

Diffusion in the interlamellar water of fish gills. Piiper J.
Fed Proc 1982 Apr;41(6):2140-2

Control of renal functions in lungfishes. Sawyer WH, et al.
Fed Proc 1982 Jun;41(8):2361-4

Pituitary responses to calcium deprivation in the euryhaline teleost, Fundulus heteroclitus, adapted to artificial sea water. Ball JN, et al. **Gen Comp Endocrinol** 1982 Apr; 46(4):480-5

Extraretinal photoreception involved in photoperiodic effects on reproduction in male three-spined sticklebacks, Gasterosteus aculeatus. Borg B. **Gen Comp Endocrinol** 1982 May;47(1):84-7

Effects of alpha and beta adrenoceptors on branchial cAMP level in seawater mullet, Mugil capito. Djabali M, et al.
Gen Comp Endocrinol 1982 Feb;46(2):193-9

Effects of osmotic pressure and calcium ion on prolactin release in vitro from the rostral pars distalis of the tilapia Sarotherodon mossambicus. Grau EG, et al.
Gen Comp Endocrinol 1981 Nov;45(3):406-8

Gonadotropin secretion during reproductive cycles in teleosts: influences of environmental factors. Peter RE.
Gen Comp Endocrinol 1981 Nov;45(3):294-305

Effects of catecholamines on cyclic AMP in the gill of seawater, adapted mullet, Mugil capito. Pic P, et al.
Gen Comp Endocrinol 1982 Feb;46(2):184-92

Larvivorous efficiency of Gambusia affinis Baird and Girard. Dixit RS, et al. **Indian J Med Res** 1981 Jan;73 Suppl:155-9

Response to continuous gamma-irradiation of germ cells in embryos and fry of the fish, Oryzias latipes. Egami N, et al. **Int J Radiat Biol** 1981 Nov;40(5):563-8

Structure and function of postovulatory follicles (corpora lutea) in the ovaries of nonmammalian vertebrates. Saidapur SK. **Int Rev Cytol** 1982;75:243-85 (229 ref.)

Chromatin reorganization during spermatogenesis in the winter flounder. Kennedy BP, et al. **J Biol Chem** 1982 Sep 25;257(18):11160-5

Pardaxin, a hydrophobic toxin of the Red Sea flatfish, disassembles the intact membrane of vesicular stomatitis virus. Pal R, et al. **J Biol Chem** 1981 Oct 25; 256(20):10209-12

Mechanical properties of fish backbones in lateral bending and in tension. Hebrank MR. **J Biomech** 1982;15(2):85-9

Morphologically distinct classes of inhibitory synapses arise from the same neurons: ultrastructural identification from crossed vestibular interneurons intracellularly stained with HRP. Triller A, et al. **J Comp Neurol** 1981 Nov 20; 203(1):131-55

Analysis of skin mucus of plaice Pleuronectes platessa L. Lopez-Vidriero MT, et al. **J Comp Pathol** 1980 Jul; 90(3):415-20

Habituation of fright and arousal responses in the teleosts Carassius auratus and Rutilus rutilus. Laming PR, et al.
J Comp Physiol Psychol 1982 Jun;96(3):460-6

The respiratory metabolism of temperature-adapted flatfish at rest and during swimming activity and the use of anaerobic metabolism at moderate swimming speeds. Duthie GG. **J Exp Biol** 1982 Apr;97:359-73

Oxygenation and deoxygenation kinetics of red cells in isolated lamellae of fish gills. Hills BA, et al.
J Exp Biol 1982 Jun;98:269-75

Progressive processing of ingested water in the gut of sea-water teleosts. Kirsch R, et al. **J Exp Biol** 1982 Jun; 98:67-81

H+ excretion in the marine teleost Parophrys vetulus. McDonald DG, et al. **J Exp Biol** 1982 Jun;98:403-14

Tail thrust of bluefish Pomatomus saltatrix at different buoyancies, speeds, and swimming angles. Ogilvy CS, et al. **J Exp Biol** 1982 Jun;98:105-17

Protein and glycoprotein antifreezes in the intestinal fluid of polar fishes. O'Grady SM, et al. **J Exp Biol** 1982 Jun; 98:429-38

Oxygen uptake in air and water in the air-breathing reedfish Calamoichthys calabaricus: role of skin, gills and lungs. Sacca R, et al. **J Exp Biol** 1982 Apr;97:179-86

Energetic advantages of burst-and-coast swimming of fish at high speeds. Videler JJ, et al. **J Exp Biol** 1982 Apr; 97:169-78

Cortical vesicle breakdown in fertilized eggs of Fundulus heteroclitus. Brummett AR, et al. **J Exp Zool** 1981 Apr; 216(1):63-79

Metabolic responses of striped bass (Morone saxatilis) to temperature acclimation. I. Alterations in carbon sources for hepatic energy metabolism. Stone BB, et al.
J Exp Zool 1981 Dec;218(3):371-9

Induction of dark-adaptive retinomotor movement (cell elongation) in teleost retinal cones by cyclic adenosine 3',5'-monophosphate. Burnside B, et al. **J Gen Physiol** 1982 May;79(5):759-74

Muscarinic cholinoceptors mediate neurally evoked pigment aggregation in glass catfish melanophores. Fujii R, et al.
J Neural Transm 1982;54(1-2):29-39

Thalamic center for the lateral line system in the catfish Ictalurus nebulosus: evoked potential evidence. Finger TE, et al. **J Neurobiol** 1982 Jan;13(1):39-47

Properties of a modifiable efference copy in an electric fish. Bell CC. **J Neurophysiol** 1982 Jun;47(6):1043-56

A white-noise analysis of responses and receptive fields of catfish cones. Lasater EM. **J Neurophysiol** 1982 Jun; 47(6):1057-68

4 S RNA in regenerating optic axons of goldfish. Ingoglia NA. **J Neurosci** 1982 Mar;2(3):331-8

Circadian meal timing in relation to lighting schedule optimizes catfish body weight gain. Sundararaj BI, et al.
J Nutr 1982 Jun;112(6):1085-97

Changes in spectral reflexions from the iridophores of the neon tetra. Lythgoe JN, et al. **J Physiol (Lond)** 1982 Apr; 325:23-34

The activity of cerebellar neurones of an elasmobranch fish (Scyliorhinus canicula) during a reflex movement of a fin. Paul DH, et al. **J Physiol (Lond)** 1981 Dec;321:369-83

Photoreactivation in two closely related marine fishes having different longevities. Regan JD, et al. **Mech Ageing Dev** 1982 Jan;18(1):59-66

Relationships between specialized cells, capillaries and intermediary cytofibrillary elements. XVth note. Biological evolution of the respiratory stereotype and subsystem in aquatic vertebrates. Mârza VD.
Morphol Embryol (Bucur) 1981 Oct-Dec;27(4):283-97

Direct demonstration of fluid secretion by glomerular renal tubules in a marine teleost. Beyenbach KW. **Nature** 1982 Sep 2;299(5878):54-6

The rigidity of fish and patterns of lateral line stimulation. Denton EJ, et al. **Nature** 1982 Jun 24;297(5868):679-81

Orientation of the catfish in uniform and nonuniform electric fields. Baranyuk GV. **Neurosci Behav Physiol** 1981 Sep-Oct;11(5):459-63

The use of fish in studying the behavioural effects of lithium. Johnson FN. **Pharmacopsychiatria** 1981 Nov;14(6):208-12 (44 ref.)

Behavioral and cardiac reflex assays of the chemosensory acuity of channel catfish to amino acids. Holland KN, et al. **Physiol Behav** 1981 Oct;27(4):699-707

High sensitivity of minnow gustatory receptors to amino acids. Kiyohara S, et al. **Physiol Behav** 1981 Jun; 26(6):1103-8

Conditioned cardiac response to the olfactory stimuli of amino acids in the channel catfish, Ictalurus punctatus. Little EE. **Physiol Behav** 1981 Oct;27(4):691-7

Bioenergetics and nutrition of fish. Nose T, et al.
Prog Clin Biol Res 1981;77:939-43

Energy metabolism in fishes. Smith RR.
Prog Clin Biol Res 1981;77:945-53

Visual adaptations to different light environments in Amazonian fishes. Muntz WR. **Rev Can Biol Exp** 1982 Mar; 41(1):35-46

The structure and function of fish schools. Partridge BL.
Sci Am 1982 Jun;246(6):114-23

An efference copy which is modified by reafferent input. Bell CC. **Science** 1981 Oct 23;214(4519):450-53

A brain heater in the swordfish. Carey FG. **Science** 1982 Jun 18;216(4552):1327-9

Physiological basis for swimming endurance differences between LDH-B genotypes of Fundulus heteroclitus. DiMichele L, et al. **Science** 1982 May 28;216(4549):1014-6

Testosterone uptake in the brainstem of a sound-producing fish. Fine ML, et al. **Science** 1982 Mar 5;215(4537):1265-7

The chloride cell: definitive identification as the salt-secretory cell in teleosts. Foskett JK, et al. **Science** 1982 Jan 8;215(4529):164-6

Pharmacological manipulation of spatial properties of S-potentials. Laufer M, et al. **Vision Res** 1981; 21(11):1657-60

Visuomotor perimetry in fish: a new approach to the functional analysis of altered visual pathways. Northmore DP, et al. **Vision Res** 1981;21(6):843-53

Dimensions of respiratory surfaces of the gills and skin in the Antarctic white-blooded fish, Chaenocephalus aceratus Lönnberg (Chaenichthyidae). Jakubowski M.
Z Mikrosk Anat Forsch 1982;96(1):145-56

Effect of Na+ on in vivo transepithelial transport of glycine and leucine in two teleosts. Garg VK.
Z Tierphysiol Tiernahr Futtermittelkd 1981;46(4):196-202

Interspecific variations in the bimodal oxygen uptake of the genus Channa. Ojha J, et al.
Z Tierphysiol Tiernahr Futtermittelkd 1981;46(4):165-70

[Size of Rhinobatos rhinobatos (Linné, 1758) and Rh. cemiculus Geoffroy Saint Hilaire, 1816 (Pisces, Rhinobatidae) of the Tunisian coasts at first sexual maturity] Capapé C, et al. **Arch Inst Pasteur Tunis** 1981

Mar-Jun;58(1-2):105-14 (Eng. Abstr.) (Fre)
[Measurement of animal movements by magnet induction] Petry H. Z Tierphysiol Tiernahr Futtermittelkd 1982; 47(4):210-20 (Eng. Abstr.) (Ger)
[The ventricular myocardium of fishes: aspects of comparative morphology, physiology and pharmacology. III. Neurohumoral regulation] Greco G, et al. Boll Soc Ital Biol Sper 1981 Nov 15;57(21):2151-7 (Ita)
[The ventricular myocardium of fishes: aspects of comparative morphology, physiology and pharmacology. IV. Significance of the myocardium of mixed type] Greco G, et al. Boll Soc Ital Biol Sper 1981 Nov 15;57(21):2158-64 (Ita)
[Chloride cells of the gills and the interrenal gland of Dasyatis pastinaca (L.) (Elasmobranchii) skates during adaptation to distilled sea water] Kraiushkina LS. Arkh Anat Gistol Embriol 1981 Jul;81(7):95-102 (Eng. Abstr.) (Rus)
[Electroreceptor characteristics of elasmobranchs with pint sources of the electric field] Broun GR, et al. Biofizika 1982 Mar-Apr;27(2):309-12 (Eng. Abstr.) (Rus)
[Temperature sensitivity of catfish electroreceptors] Broun GR, et al. Fiziol Zh SSSR 1981 Jul;67(7):1100-5 (Rus)
[Effective stimulation of Turkestan catfish electroreceptors] Broun GR, et al. Fiziol Zh SSSR 1981 Sep;67(9):1329-35 (Eng. Abstr.) (Rus)
[Mechanisms of synaptic transmission in the ampullae of Lorenzini in skates] Akoev GN, et al. Neirofiziologiia 1981; 13(3):292-8 (Eng. Abstr.) (Rus)
[Cutaneous mechanism of the temperature sensitivity of ampulla of Lorenzini electroreceptors] Broun GR, et al. Neirofiziologiia 1981;13(3):307-14 (Eng. Abstr.) (Rus)
[Changes in the transepithelial potential and spike responses of the ampullae of Lorenzini to temperature stimulation in the skate] Brown GR, et al. Neirofiziologiia 1982; 14(1):11-8 (Eng. Abstr.) (Rus)
[Automated system for studying the higher nervous activity and motor activity of fish] Khodorkovskii VA, et al. Zh Vyssh Nerv Deiat 1981 Jul-Aug;31(4):883-6 (Rus)

SURGERY

Anaesthesia in fishes. Brown L. J Small Anim Pract 1981 Jun;22(6):385-90

ULTRASTRUCTURE

Electron microscopy of the natural IgM-like hemagglutinin of the ratfish (Callorhynchus callorhynchus). Garrido J, et al. Dev Comp Immunol 1981 Fall;5(4):691-6
Lymphoid organs of teleost fist. II. Ultrastructure of renal lymphoid tissue of Rutilus rutilus and Gobio gobio. Zapata A. Dev Comp Immunol 1981 Fall;5(4):685-90

FISHES, POISONOUS

see related
FISH VENOMS
TETRODOTOXIN

Ciguatera fish poisoning. Withers NW. Annu Rev Med 1982; 33:97-111
[Poisoning by Pterois volitans] Stock KP, et al. MMW 1982 Jun 18;124(24):601-2 (Ger)
[A case of reversible 'locked-in syndrome' like state due to pufferfish poisoning (author's transl)] Udaka F, et al. Rinsho Shinkeigaku 1981 Sep;21(9):762-6 (Eng. Abstr.) (Jpn)

ANATOMY & HISTOLOGY

Tannic acid staining of 'microtubules' in venom-secreting cells of a stingray. Smith DS, et al. Toxicon 1981; 19(6):737-42

METABOLISM

Significance of the epidermal ichthyotoxic secretion of coral-dwelling gobies. Lassig BR. Toxicon 1981; 19(6):729-35

FISSURE IN ANO

COMPLICATIONS

[Anal and perianal changes in Crohn's disease] Petrović M, et al. Vojnosanit Pregl 1981 Nov-Dec;38(6):444-7 (Scr)

DRUG THERAPY

[Conservative treatment of anal cryptitis and fissure as well as anal thrombosis with a streptokinase-streptodornase gel] Frank W, et al. ZFA (Stuttgart) 1982 Apr 30;58(12):713-6 (Ger)

ETIOLOGY

A new concept of the anatomy of the anal sphincter mechanism and the physiology of defecation. XV. Chronic anal fissure: a new theory of pathogenesis. Shafik A. Am J Surg 1982 Aug;144(2):262-8

SURGERY

Anal sphincteric pressure in fissure-in-ano before and after lateral internal sphincterotomy. Cerdán FJ, et al. Dis Colon Rectum 1982 Apr;25(3):198-201
[Posterior sphincterotomy with anoplasty] Ferro U, et al. Minerva Chir 1982 Jan 15-31;37(1-2):89-92 (Ita)
[The role of internal lateral sphincterotomy in proctology] Mori G, et al. Minerva Chir 1982 Apr 15;37(7):623-9 (Eng. Abstr.) (Ita)
[Lateral subcutaneous internal sphincterotomy for anal fissure] Dahl E, et al. Tidsskr Nor Laegeforen 1981 Aug 30;101(24):1338-9 (Eng. Abstr.) (Nor)

FISTULA

see related
ARTERIOVENOUS FISTULA
BILIARY FISTULA
BLADDER FISTULA
BRONCHIAL FISTULA
DENTAL FISTULA
ESOPHAGEAL FISTULA
FISSURE IN ANO
GASTRIC FISTULA
INTESTINAL FISTULA
OROANTRAL FISTULA
PANCREATIC FISTULA
RECTAL FISTULA
RECTOVAGINAL FISTULA
SALIVARY GLAND FISTULA
TRACHEOESOPHAGEAL FISTULA
URINARY FISTULA
VAGINAL FISTULA
VESICOVAGINAL FISTULA

An improved technique for the construction of experimental pancreatic fistulas. Studley JG, et al. Surg Gynecol Obstet 1982 Jul;155(1):74-6

COMPLICATIONS

Radiology rounds. Persistent lumbar pain and low-grade fever in a 62-year-old man. Russinovich NA, et al. Ala J Med Sci 1982 Jan;19(1):65-8
Meningorectal fistula as a cause of polymicrobial anaerobic meningitis. Walsh TJ, et al. Am J Clin Pathol 1982 Jul; 78(1):127-30
Coronary artery fistula causing heart failure in a newborn: successful surgical management. Tyrrell MJ, et al. Am J Dis Child 1982 Jun;136(6):530-2
Cutaneous autoinoculation by Mycobacterium tuberculosis. Cohn JR, et al. Arch Dermatol 1982 May;118(5):363-5
A case of uretero-arterial fistula. Goldberg PL, et al. Br J Urol 1982 Apr;54(2):196
Abdominal mass and fever: renocolic fistula disease. Armm MF, et al. Conn Med 1982 Jan;46(1):10-2
Cutaneous lesions resulting from sinuses of dental origin. McCarthy PL. J Dermatol Surg Oncol 1981 Dec; 7(12):981-4
Unilateral renal agenesis associated with vaginal or cervical fistula and anomalous uterine development. Goldstein AI, et al. J Reprod Med 1981 Nov;26(11):571-3
Nephrobronchial fistula: an uncommon manifestation of inflammatory renal disease. Rubin SA, et al. J Urol 1982 Jan;127(1):103-5
Nontraumatic cerebrospinal fluid rhinorrhoea from a fistula between the trigeminal cistern and sphenoid sinus. McAllister VL, et al. Neuroradiology 1981;22(3):163-5
Pseudotumor of the scalp caused by a chronic hygroma with a traumatic CSF fistula. Giromini D, et al. Neurosurg Rev 1981;4(1):33-6
Endophthalmitis in aphakic patients with unplanned filtering blebs wearing contact lenses. Bellows AR, et al. Ophthalmology (Rochester) 1981 Aug;88(8):839-43
Mycotic aortic pseudoaneurysm with aortoenteric fistula caused by Arizona hinshawii. McIntyre KE Jr, et al. Surgery 1982 Feb;91(2):173-7
[Spontaneous meningeal fistula of the middle ear detected during insertion of a trans-tympanic aerator (author's transl)] Fleury P, et al. Ann Otolaryngol Chir Cervicofac 1982;99(4-5):203-4 (Eng. Abstr.) (Fre)
[Foreign bodies of plant origin in the orbit (the value of tomodensitometry)] François P, et al. Bull Soc Ophtalmol Fr 1982 Feb;82(2):251-2 (Fre)
[Description of a case of carotid-sinus cavernosus fistula with glaucoma (author's transl)] Theopold H, et al. Klin Monatsbl Augenheilkd 1982 Mar;180(3):223-4 (Ger)
[Improvement of vision in consequence of A. ophthalmica Ligature. Contribution to therapy of arteritis temporalis and disturbances at ocular blood supply (author's translation)] Gramberg-Danielsen B. Ophthalmologica 1982 Jan;184(2):72-7 (Eng. Abstr.) (Ger)
[Tuberculous aneurysm of the descending aorta with aorto-bronchial fistula (author's transl)] Müller-Wening D, et al. Prax Klin Pneumol 1982 Jan;36(1):22-6 (Ger)
[A spontaneous fistula between an aneurysm of the iliac artery and the right ureter - a case report] Lastre Roye V, et al. Z Urol Nephrol 1982 Jan;75(1):43-6 (Eng. Abstr.) (Ger)
[Aorto-enteric fistula as a cause of melena] Lantchberg L, et al. Harefuah 1982 Feb 1;102(3):111-2 (Eng. Abstr.) (Heb)
[Digestive hemorrhage caused by aortoduodenal fistula: apropos of a new case] de la Torre JC, et al. Rev Esp Enferm Apar Dig 1981 Sep;60(3):285-92 (Eng. Abstr.) (Spa)

CONGENITAL

Surgical management of congenital coronary artery fistulas. Lowe JE, et al. Ann Surg 1981 Oct;194(4):373-80
Congenital coronary arterial fistula--a case report. Minami K, et al. Nippon Geka Hokan 1981 Mar 1;50(2):366-76
[Coronary-left ventricular fistulae] Wolff F, et al. Arch Mal Coeur 1981 Nov;74(11):1353-7 (Eng. Abstr.) (Fre)
[Surgical treatment of a congenital fistula of the lacrimal sac] Catros A, et al. Bull Soc Ophtalmol Fr 1981 Dec; 81(12):1183-4 (Eng. Abstr.) (Fre)
[Management of the infected fistula auris congenita - irrigation of dyes into the fistula and its complete excision under surgical microscope (author's transl)] Sekitani T, et al. Nippon Jibiinkoka Gakkai Kaiho 1981 Dec 20; 84(12):1529-35 (Eng. Abstr.) (Jpn)
[Twenty-seven cases of congenital aural fistulas (author's transl)] Watanuki K, et al. Nippon Jibiinkoka Gakkai Kaiho 1982 Jan 20;85(1):1-10 (Eng. Abstr.) (Jpn)

DIAGNOSIS

Perilymph fistula: some diagnostic problems. Simmons FB. Adv Otorhinolaryngol 1982;28:68-72
Two-dimensional echocardiographic identification of sinus of Valsalva-right heart fistula due to infective endocarditis. Bardy GH, et al. Am Heart J 1982 Jun;103(6):1068-71
The diagnosis and prognosis of atypical carotid-cavernous fistula (red-eyed shunt syndrome). Phelps CD, et al. Am J Ophthalmol 1982 Apr;93(4):423-36
Pyelo-duodenocutaneous fistula. Barlan EV, et al. Br J Urol 1982 Feb;54(1):59
Coronary artery-left ventricular fistula. Chia BL, et al. Cardiology 1981;68(3):167-79
Aortoduodenal fistula: endoscopic diagnosis [letter] Martin J, et al. Dig Dis Sci 1981 Oct;26(10):956-7
A Doppler haematotachographic investigation in patients with ocular and orbital symptoms due to a carotid-cavernous fistula. de Keizer RJ. Doc Ophthalmol 1982 Jan 29;52(3-4):297-307
Vascular-enteric fistula: diagnosis by colonoscopy. Dobbs SM, et al. Gastrointest Endosc 1982 Feb;28(1):22-3
An audiometric test for perilymph fistula. Fraser JG, et al. J Laryngol Otol 1982 Jun;96(6):513-20
Intraoperative diagnosis of bronchoesophageal and malignant gastrocolic fistulae: a case report. Bello GV, et al. Mt Sinai J Med (NY) 1982 Mar-Apr;49(2):121-6
Right pulmonary artery to left atrium communication. An unusual cause of cyanosis in the newborn. Cheatham JP, et al. Pediatr Cardiol 1982;2(2):149-52
Pulsed Doppler echocardiographic detection of coronary artery to right ventricle fistula. Pickoff AS, et al. Pediatr Cardiol 1982;2(2):145-8
Oesophago-aortic fistula. Montgomery AC, et al. Postgrad Med J 1981 Jun;57(668):380
Congenital coronary artery fistula: report of five patients, diagnostic problems and principles of management. Macri R, et al. Thorac Cardiovasc Surg 1982 Jun;30(3):167-71
[Ultrasonographic diagnosis of vesicouterine fistula (author's transl)] Weinraub Z, et al. Geburtshilfe Fraunheilkd 1982 May;42(5):397-8 (Eng. Abstr.) (Ger)
[Clinic and pathogenesis of the medial cervical cleft. A contribution to the differential diagnosis of the cervical cleft (author's transl)] Fritzmeier F, et al. HNO 1982 Jan; 30(1):37-42 (Eng. Abstr.) (Ger)
[Phonocardiographic and ultrasonocardiographic findings in seven cases of coronary artery fistula (author's transl)] Sasaki Y, et al. J Cardiogr 1981 Dec;11(4):1303-18 (Eng. Abstr.) (Jpn)

DIET THERAPY

Improvement of Crohn fistulas with a peptide diet. Steffee WP, et al. Clin Ther 1980;3(4):280-4

DRUG THERAPY

[92 case observation of late curative effect on treatment of cysts and fistulae by means of application of trichloroacetic acid (author's transl)] Zhou YC. Chung Hua Kou Chiang Ko Tsa Chih 1981 Jun;16(2):119-20 (Chi)

ETIOLOGY

Traumatic cerebrospinal fluid fistulas in the anterior and middle cranial fossae. Laun A. Acta Neurochir (Wien) 1982; 60(3-4):215-22
Primary appendicitis with an appendico-tuboovarian fistula. Hoffer FA, et al. AJR 1982 Apr;138(4):742-3
Bronchopleural fistula complicating invasive pulmonary aspergillosis. Albelda SM, et al. Am Rev Respir Dis 1982 Jul;126(1):163-5
Recurrent aortoduodenal fistula: a lesson in management. Hill SL, et al. Am Surg 1982 Mar;48(3):137-40
Simultaneous round and oval window fistulae in a child. Pashley NR. Ann Otol Rhinol Laryngol 1982 May-Jun;91(3 Pt 1):332-5
Aortoesophageal fistula secondary to reflux esophagitis. Cronen P, et al. Ann Thorac Surg 1982 Jan;33(1):78-80
Aorto-gastric fistula. González JR Jr, et al. Bol Asoc Med PR 1981 Sep;73(9):421-4
Self-inflicted stab wound causing aorto-right ventricular

fistula. Goddard P, et al. **Br Heart J** 1981 Jul;46(1):101–3
Bacteriological implications in the pathogenesis of secondary aortoenteric fistulas. Wilson SE, et al. **Br J Surg** 1982 Sep; 69(9):545–8
Tuberculous recto–vesico–cutaneous fistula. Hashmonai M, et al. **Br J Urol** 1982 Jun;54(3):324
Ilioureteric fistula. Joost J, et al. **Br J Urol** 1981 Oct;53(5):477
Pulmonary artery–bronchial fistula is not a complication of bedside pulmonary arteriography [letter] Allen WG, et al. **Chest** 1981 Sep;80(3):334–5
Pulmonary venous–bronchial fistula following left atrial pressure line insertion: iatrogenic cause of air embolism following cardiac surgery. Becker RM, et al. **Chest** 1982 Mar;81(3):378–80
Malpositioned nasogastric tube causing pneumothorax and bronchopleural fistula [letter] Culpepper JA, et al. **Chest** 1982 Mar;81(3):389
Posttraumatic lumbar cerebrospinal fluid leak: detection by retrograde in–111–DTPA myeloscintography. Colletti PM, et al. **Clin Nucl Med** 1981 Sep;6(9):403–4
Adenocarcinoma in perineal fistulas of Crohn's disease. Chaikhouni A, et al. **Dis Colon Rectum** 1981 Nov–Dec; 24(8):639–43
The value of clinical signs in predicting the level of blind pouch in anorectal agenesis. Momoh JT, et al. **East Afr Med J** 1981 May;58(5):354–9
Treatment of dural tears associated with spinal surgery. Eismont FJ, et al. **J Bone Joint Surg [Am]** 1981 Sep; 63A(7):1132–6
Pneumococcal aortic valvar endocarditis with atrio–ventricular perforation. Louagie Y, et al. **J Cardiovasc Surg (Torino)** 1982 Jul–Aug;23(4):338–43
Esophago–subarachnoidal fistula: an unusual complication of esophageal carcinoma. Wippold FJ, et al. **J Comput Assist Tomogr** 1982 Feb;6(1):147–9
Vesicouterine fistula caused by Fusobacterium necrophorum. Baker DA. **J Infect Dis** 1982 Feb;145(2):282
Oral–cutaneous fistula of dental origin. Fernandez JM, et al. **J Oral Maxillofac Surg** 1982 Mar;40(3):183–5
Appendicular abscess presenting as a sinus in the right loin (a case report). Deodhar SD, et al. **J Postgrad Med** 1982 Jan;28(1):41–42A
Urethrocavernosus fistula. Ochsner MG, et al. **J Urol** 1982 Jun;127(6):1190
Vesicocutaneous fistula: a case of spontaneous development ten years after radiation therapy. Finkelstein LH, et al. **JAOA** 1982 Jan;81(5):329–30
Traumatic fistula between the right pulmonary artery and the left atrium. Young TE, et al. **Minn Med** 1982 Apr; 65(4):227–9
Broncho–pleural fistula complicating rheumatoid lung disease. Sharma SS, et al. **Postgrad Med J** 1982 Mar; 58(677):187–9
The operative management of acute post–pneumonectomy bronchopleural fistula after flush bronchial amputation. Conlan AA, et al. **S Afr Med J** 1982 May 22;61(21):792–4
Traumatic chylothorax associated with subarachnoid–pleural fistula. Azambuja PC, et al. **Thorax** 1981 Sep;36(9):699–700
False aneurysm of the ascending aorta with aortico–right atrial fistula. Photiou SA, et al. **Thorax** 1981 Oct; 36(10):796–7
[Ventriculoesophageal fistula] Soudek K, et al. **Rozhl Chir** 1981 Feb;60(2):123–5 (Eng. Abstr.) **(Cze)**
[Aortoduodenal fistulae following prosthetic repair of the abdominal aorta (author's transl)] Richer de Forges M, et al. **Ann Chir** 1982 Mar;36(3):197–206 (Eng. Abstr.) **(Fre)**
[Broncho–reno–cutaneous fistula. Etiopathogenicity and possible therapy. A case report (author's transl)] Abet D, et al. **J Chir (Paris)** 1981 Jul–Aug;118(6–7):417–9 (Eng. Abstr.) **(Fre)**
[Pleural fistulization of a pancreatic pseudocyst] Meignie P, et al. **Lille Med** 1981 Mar;26(3):102–6 **(Fre)**
[Urethral fistulas after circumcision: apropos of 15 cases] Benchekroun A, et al. **Maroc Med** 1981 Jun–Oct; 3(2–3):715–8 (Eng. Abstr.) **(Fre)**
[Multicentric reticulohistiocytosis. Cutaneous fistula (letter)] Sachs RN, et al. **Nouv Presse Med** 1982 Apr 24;11(19):1497 **(Fre)**
[Dental infections causing cutaneous fistulas] Donohue WB, et al. **Union Med Can** 1982 Feb;111(2):145–9 (Eng. Abstr.) **(Fre)**
[Treatment of a massive digestive hemorrhage caused by an aorto–paraprosthetic–duodenal fistula] Liguori L, et al. **Minerva Cardioangiol** 1981 Dec;29(12):743–8 (Eng. Abstr.) **(Ita)**
[Urological complications of cesarean section. Vesico–uterine fistulas] Russo A, et al. **Minerva Ginecol** 1981 Jul–Aug; 33(7–8):691–6 (Eng. Abstr.) **(Ita)**
[Spontaneous fistulization of abscessed staghorn calculosis] Alcini E, et al. **Minerva Urol** 1981 Jul–Sep;33(3):195–202 **(Ita)**
[A case of partial hemothorax with cervical fistula—complication of extrapleural plombage (author's transl)] Kimura S, et al. **Kyobu Geka** 1982;35(1):70–3 (Eng. Abstr.) **(Jpn)**
[A case of right massive pleural effusion with pancreaticopleural fistula in chronic relapsing pancreatitis (author's transl] Honda J, et al. **Nippon Kyobu Shikkan Gakkai Zasshi** 1982 Jan; 20(1):117–21 (Eng. Abstr.) **(Jpn)**
[Postoperative ileo–cutaneous fistulas] Ulić D, et al. **Med Pregl** 1981;34(11–12):517–9 (Eng. Abstr.) **(Scc)**
[Entero–paraprosthetic fistula: presentation of a case] Viver Manresa E, et al. **Angiologia** 1981 Jul–Aug;33(4):179–85 (Eng. Abstr.) **(Spa)**
[Right atrial–left ventricular fistula following aortic valve surgery] Martínez Sanz R, et al. **Rev Esp Cardiol** 1981; 34(1):73–6 (Eng. Abstr.) **(Spa)**
[Aortoduodenal fistula after aortic reconstruction] Weibull H, et al. **Lakartidningen** 1982 Feb 10;79(6):421 **(Swe)**

PATHOLOGY

Traumatic craniopalpebral cerebrospinal fluid fistula. Galzio RJ, et al. **J Neurosurg Sci** 1981 Apr–Jun;25(2):105–7
[Aortic aneurysm and aortoduodenal fistula (author's transl)] De Peyer R, et al. **Praxis** 1982 Mar 2;71(9):365–7 (Eng. Abstr.) **(Fre)**
[Tuberculous aorto–esophageal fistula—a rare cause of hemorrhage in the esophagus] Claussnitzer R, et al. **Zentralbl Chir** 1982;107(8):473–6 **(Ger)**

RADIOGRAPHY

The value of endoscopic pancreatography in the diagnosis of pancreatic pleural effusion: direct demonstration of pancreaticopleural fistula. Panitch N, et al. **Am J Gastroenterol** 1982 Aug;77(8):574–5
Tubocutaneous fistula. Wittich AC, et al. **Am J Obstet Gynecol** 1982 Sep 1;144(1):109–10
Evaluation of abdominal fistulas with computed body tomography (CT). Frick MP, et al. **Comput Radiol** 1982 Jan–Feb;6(1):17–25
Bilioportal fistula as a sequela to choledocholithiasis: a case report. Ishikawa Y, et al. **J Clin Gastroenterol** 1982 Feb; 4(1):63–5
Topics in radiology. Case of the month. A colocutaneous fistula in the inguinal area. Doubleday LC. **JAMA** 1982 May 7;247(17):2407–8
The use of digital subtraction angiography in the evaluation of carotid cavernous sinus fistulas. Modic MT, et al. **Ophthalmology (Rochester)** 1982 May;89(5):441–4
Porto–pulmonary venous anastomosis in portal hypertension demonstrated by percutaneous transhepatic cine–portography. Sano A, et al. **Radiology** 1982 Aug; 144(3):479–84
Iatrogenic esophageal–pleural fistula: subtlety of diagnosis in the absence of mediastinitis. Wechsler RJ, et al. **Radiology** 1982 Jul;144(2):239–43
Idiopathic esophagopleural fistula in the newborn. A review, with a case report. Iannaccone G, et al. **ROFO** 1982 Jul; 137(1):88–91
Bilateral congenital coronary artery fistula. Schneeweiss A, et al. **Thorax** 1981 Sep;36(9):697–8
Ureteroarterial fistula. Wheatley JK, et al. **Urology** 1981 Nov; 18(5):498–502
[Roentgenology of the median nasal fistulas (author's transl)] Brassow F, et al. **Laryngol Rhinol Otol (Stuttg)** 1981 Jul; 60(7):387–8 (Eng. Abstr.) **(Ger)**
[Case of a cavernous aortic fistula] Parashchak NV, et al. **Vestn Rentgenol Radiol** 1981 Sep–Oct;(5):76–8 **(Rus)**

RADIONUCLIDE IMAGING

Value of preinjection tracer before P–32 treatment of effusion: unexpected bronchopleural fistula. Cubberley D, et al. **AJR** 1982 Jul;139(1):166–7
Xenon–133 evidence of bronchopleural fistula healing during treatment of mixed aspergillus and tuberculous empyema. Skorodin MS, et al. **J Nucl Med** 1982 Aug;23(8):688–9

SURGERY

Closure of post–laryngectomy pharyngeal fistulas. Kovács A, et al. **Acta Chir Acad Sci Hung** 1980;21(2):165–73
Urethrovaginal and vesicovaginal fistula. A review of 29 patients. Henriksson C, et al. **Acta Obstet Gynecol Scand** 1982;61(2):143–8
Reopening filtration fistulas with the argon laser. Van Buskirk EM. **Am J Ophthalmol** 1982 Jul;94(1):1–3
Pancreatico–pleural fistulae. Presentation of a case and review of the literature. Angerås U, et al. **Ann Chir Gynaecol** 1982;71(3):178–83
Combined pectoralis major myocutaneous flap with medially based deltopectoral flap for closure of large pharyngocutaneous fistulas. Maisel RH, et al. **Ann Otol Rhinol Laryngol** 1982 Jan–Feb;91(1 Pt 1):98–100
Aortoenteric fistula. Incidence, presentation recognition, and management. Champion MC, et al. **Ann Surg** 1982 Mar; 195(3):314–7
Aortoenteric fistula. Connolly JE, et al. **Ann Surg** 1981 Oct; 194(4):402–12
Radiosurgical treatment of carotid–cavernous fistula. Barcia–Salorio JL, et al. **Appl Neurophysiol** 1982; 45(4–5):520–2
Successful repair of three primary aortoduodenal fistulae. Pfeiffer RB Jr. **Arch Surg** 1982 Aug;117(8):1098–9
A technique for the operative closure of persistent external small–bowel fistulas. Hill GL, et al. **Aust NZ J Surg** 1981 Oct;51(5):477–85
The 'tadpole flap': an advancement island flap for the closure of anterior palatal fistulae. Henderson HP. **Br J Plast Surg** 1982 Apr;35(2):163–6
The management of post–traumatic intrahepatic cutaneous biliary fistulas. Smith EE, et al. **Br J Surg** 1982 Jun; 69(6):317–8
An unusual mechanism for a fistulous communication between the aorta and the right side of the heart [letter] Messmer BJ. **Chest** 1981 Sep;80(3):335
An orbital fistula complicating anaerobic frontal sinusitis and osteomyelitis. Simonsz HJ, et al. **Doc Ophthalmol** 1982 Jan 29;52(3–4):409–14
Successful surgical repair of a tracheo innominate fistula: tactical considerations. Tournigand P, et al. **J Cardiovasc Surg (Torino)** 1982 May–Jun;23(3):247–51
Subarachnoid–pleural fistula–case report and review of literature. Shannon N, et al. **J Neurol Neurosurg Psychiatry** 1982 May;45(5):457–60
Right coronary–left ventricular fistula mimicking aortic valve insufficiency in infancy. Dobell AR, et al. **J Thorac Cardiovasc Surg** 1981 Nov;82(5):785–9
The development of microsurgical techniques in experimental and clinical repair of urethrocutaneous fistulas. Masterson JS, et al. **J Urol** 1982 Aug;128(2):285–6
Arterial fistula between the left internal mammary artery and left pulmonary artery. Pillai R, et al. **Thorax** 1982 May; 37(5):386–7
Coronary artery to left atrium fistula requiring revascularisation: case report and literature review. Swank M, et al. **Thorax** 1982 May;37(5):376–80
[Spontaneous nephro–cutaneous fistula due to nephrolithiasis: report of 9 cases (author's transl)] Li YK. **Chung Hua Wai Ko Tsa Chih** 1981 Aug;19(8):490–1 (Eng. Abstr.) **(Chi)**
[Anesthetic management for surgical repair of bronchopleural fistula (author's transl)] Liu BY. **Chung Hua Wai Ko Tsa Chih** 1981 Oct;19(10):593–5 (Eng. Abstr.) **(Chi)**
[Treatment of cholesteatoma using the method recommended by P. Kluyskens and Gillis. 3 cases with labyrinthine fistulas] Hennebert PE. **Acta Otorhinolaryngol Belg** 1981; 35(3–4):262–4 **(Fre)**
[Radical surgery for a multipedunculated vertebral fistula by a combined sequential endo– and exovascular approach (author's transl)] Picard L, et al. **Rev Otoneuroophtalmol** 1981 Mar–Apr;53(2):167–75 (Eng. Abstr.) **(Fre)**
[Closure of bronchopleural fistulas with chest wall muscle flaps] Klausner J, et al. **Harefuah** 1981 Dec 15; 101(12):356–8 (Eng. Abstr.) **(Heb)**
[Spontaneous cholecysto–cutaneous fistula] Sturniolo G, et al. **Minerva Chir** 1981 Feb 15;36(3):175–8 (Eng. Abstr.) **(Ita)**
[Esophagopleural fistula secondary to ruptured esophageal diverticulum (author's transl)] Matsumoti M, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1981 Jul;29(7):1214–8 (Eng. Abstr.) **(Jpn)**
[Treatment of postoperative abdominal wall–genital fistulas] Savitskaia LK, et al. **Akush Ginekol (Mosk)** 1981 Sep; (9):36–38 (Eng. Abstr.) **(Rus)**
[Surgery for fistula between right coronary artery and right atrium conducted under the conditions for mild hypothermia] Arapov AD, et al. **Grudn Khir** 1982 Mar–Apr;(2):89–90 **(Rus)**
[A case of successful surgical correction of coronary–heart fistula] Kozlov VA, et al. **Grudn Khir** 1982 Mar–Apr; (2):90–1 **(Rus)**
[Fistula between the aorta and left atrium in combination with patent ductus arteriosus] Mezentsev GD. **Grudn Khir** 1982 Mar–Apr;(2):92 **(Rus)**
[Instrumental method of treatment of ligature fistulas] Bashniak VV, et al. **Klin Khir** 1981 Dec;(12):51–2 **(Rus)**
[Medial cysts and fistulas of the neck in children] Cvetković S, et al. **Srp Arh Celok Lek** 1981 Sep;109(9):1199–1206 **(Scc)**
[Vesico–uterine fistulas] Tramoyeres Cases A. **Arch Esp Urol** 1981 Nov–Dec;34(6):423–30 (Eng. Abstr.) **(Spa)**

THERAPY

Enterocutaneous fistulae: interventional radiologic management. McLean GK, et al. **AJR** 1982 Apr; 138(4):615–9
High frequency positive pressure jet ventilation in bilateral bronchopleural fistulae. Derderian SS, et al. **Crit Care Med** 1982 Feb;10(2):119–21
'How I do it'—head and neck and plastic surgery. A targeted problem and its solution. A saliva shunting technique for low anterior neck pharyngeal fistulas after laryngectomy—an emergency procedure. Hicks JN, et al. **Laryngoscope** 1982 May;92(5):594–5
Chyle fistula management. Lucente FE, et al. **Otolaryngol Head Neck Surg** 1981 Jul–Aug;89(4):575–8
Influence of fibrin clots on development of granulation tissue in preformed cavities. Hedelin H, et al. **Surg Gynecol Obstet** 1982 Apr;154(4):521–5
Fibrin occlusion of fistulas postoperatively. Hedelin H, et al. **Surg Gynecol Obstet** 1982 Mar;154(3):366–8
Arteriographic management of traumatic arteriocalyceal fistula. Sclafani SJ, et al. **Urol Radiol** 1981;3(3):177–9
[Treatment of external fistulas of the cornea after phako–excision] Maisongrosse G, et al. **Bull Soc Ophtalmol Fr** 1982 Apr;82(4):557–61 **(Fre)**
[Value of high frequency jet ventilation in bronchopleural fistulas (letter)] Eurin B, et al. **Nouv Presse Med** 1981 Dec 12;10(45):3727 **(Fre)**

VETERINARY

Paralaryngeal abscess with laryngeal hemiplegia and fistulation in a horse. Barber SM. **Can Vet J** 1981 Dec; 22(12):389–92

Cryotherapy performed on perianal fistulas in dogs. (Washington State University 1976—1980). Budsberg SC, et al. **VM SAC** 1981 May;76(5):667–9

Surgical treatment of canine perianal fistulas. Greiner TP. **VM SAC** 1981 May;76(5):663–4

Uterus fistula in Chinese hamsters (Cricetulus griseus). van der Gulden WJ. **Z Versuchstierkd** 1981;23(6):346–7

[Inflammatory lesions caudal to the costal arch following ovariohysterectomy in dogs (author's transl)] Lubberink AA, et al. **Tijdschr Diergeneeskd** 1981 Dec;106(23):1208–14 (Eng. Abstr.) **(Dut)**

FIXATION, OCULAR

Excyclotropia of the nonparetic eye in unilateral superior oblique muscle paralysis. Olivier P, et al. **Am J Ophthalmol** 1982 Jan;93(1):30–3

The AC/A ratio and convergence in hypermetropia corrected with spectacles or contact lenses. Colasanti A, et al. **Am J Optom Physiol Opt** 1982 Jan;59(1):51–9

Reliability of fixation disparity curves. Cooper J, et al. **Am J Optom Physiol Opt** 1981 Nov;58(11):960–4

An evaluation of accommodation response in amblyopic eyes. Kirschen DG, et al. **Am J Optom Physiol Opt** 1981 Jul; 58(7):597–602

Nystagmus, gaze shift, and self-motion perception during sinusoidal head and neck rotation. de Jong JM, et al. **Ann NY Acad Sci** 1981;374:590–9

The ascending tract of Deiters' and horizontal gaze. Highstein SM, et al. **Ann NY Acad Sci** 1981;374:102–11

Impaired suppression of vestibular nystagmus by fixation of visual and acoustic targets in neurological patients. Mira E, et al. **Ann NY Acad Sci** 1981;374:706–21

Modifications of vestibular nystagmus produced by fixation of visual and nonvisual targets. Schmid R, et al. **Ann NY Acad Sci** 1981;374:689–705

The interaction between accuracy of gaze with and without head movements in patients with cerebellar ataxia. Shimizu N, et al. **Ann NY Acad Sci** 1981;374:579–89

Visual suppression of caloric nystagmus in brain-stem lesions. Takemori S, et al. **Ann NY Acad Sci** 1981;374:846–54

Effects of ocular fixation on perrotatory nystagmus in damped pendular rotation test. Kanzaki J. **Arch Otorhinolaryngol** 1981;230(2):209–19

Nystagmus as seen by the neurologist. Lander CM. **Aust J Ophthalmol** 1982 Feb;10(1):69–72

Posterior inferotemporal neuron activities during a visual fixation task and a visual tracking task. Mikami A, et al. **Behav Brain Res** 1982 May;5(1):81–7

Modifications of neuron activities of the dorsolateral prefrontal cortex during extrafoveal attention. Mikami A, et al. **Behav Brain Res** 1982 Jun;5(2):219–23

The sensitive period: transfer of fixation after occlusion for strabismic amblyopia. Assaf AA. **Br J Ophthalmol** 1982 Jan;66(1):64–70

Searching for a target in a random arrangement of names: an eye fixation analysis. Phillips RJ. **Can J Psychol** 1981 Dec;35(4):330–46

Proximal and accommodative convergence and age. Nuzzi G, et al. **Graefes Arch Clin Exp Ophthalmol** 1982; 218(2):110–2

Coordination of eye and head movements during the fixation reflex. Kozlovskaya IB, et al. **Hum Physiol** 1981 Jan–Feb; 7(1):17–21

Amblyopic contrast sensitivity, insensitivity to unsteady fixation. Higgins KE, et al. **Invest Ophthalmol Vis Sci** 1982 Jul;23(1):113–20

Learning patterns of eye motion for foveal pursuit. Whittaker SG, et al. **Invest Ophthalmol Vis Sci** 1982 Sep;23(3):393–7

Eye opening of the newborn at and up to 20 minutes after birth. Lamberg BR. **J Adv Nurs** 1981 Nov;6(6):455–9

Monocular fixation in a binocular field. Cohen AH. **J Am Optom Assoc** 1981 Oct;52(10):801–6

The clinical calculation of fixation disparity. Press LJ. **J Am Optom Assoc** 1981 Nov;52(11):877–80

The association of periodic alternating nystagmus with periodic alternating gaze. A case report. Kennard C, et al. **J Clin Neuro Ophthalmol** 1981 Sep;1(3):191–3

Tachistoscopic simulations of eye fixations on pictures. Loftus GR. **J Exp Psychol [Hum Learn]** 1981 Sep; 7(5):369–76

Visual response properties of dorsolateral prefrontal neurons during visual fixation task. Mikami A, et al. **J Neurophysiol** 1982 Apr;47(4):593–605

Motion aftereffect transfer in the monofixation syndrome. Price RL, et al. **J Pediatr Ophthalmol Strabismus** 1982 Mar–Apr;19(2):69–74

Response biases in eye-gaze perception. Martin W, et al. **J Psychol** 1982 Mar;110(Second half):203–9

Cerebellar control of fixation eye movements. Hotson JR. **Neurology (NY)** 1982 Jan;32(1):31–6

Cerebral square wave jerks. Sharpe JA, et al. **Neurology (NY)** 1982 Jan;32(1):57–62

A suggestion for the origin of eccentric fixation. Pickwell LD. **Ophthalmic Physiol Opt** 1981;1(1):55–7

Classical and modern theories for the basis of amblyopia. Westall CA. **Ophthalmic Physiol Opt** 1982;2(1):25–36

Consistency of response during steady visual simulation. Swanston MT, et al. **Perception** 1981;10(3):339–49

Eccentric fixation and viewing and hemispheral dominance. Arruga A, et al. **Trans Ophthalmol Soc UK** 1980; 100(4):461–3 (17 ref.)

[Surgical proprioceptor shock in strabismic amblyopia] Verin P, et al. **Bull Soc Ophtalmol Fr** 1982 Jan;82(1):67–9 **(Fre)**

[Fixation in cases of reduced visual acuity (author's transl)] Wilmanns I, et al. **Klin Monatsbl Augenheilkd** 1982 Jan; 180(1):108 (Eng. Abstr.) **(Ger)**

[Influence of freely moved fixation in the pattern field on VECP amplitudes (author's transl)] Adachi E, et al. **Nippon Ganka Gakkai Zasshi** 1982;86(4):333–6 (Eng. Abstr.) **(Jpn)**

FIXATIVES

see related
PRESERVATION, BIOLOGICAL

Rapid glutaraldehyde fixation for cow milk cell count by Coulter counter. Poutrel B, et al. **Ann Rech Vet** 1981; 12(1):71–3

Polyethylene glycol embedded tissue sections for immunoelectronmicroscopy. Bosman FT, et al. **Histochemistry** 1981;73(2):195–9

A rational approach to the fixation of peptidergic nerve cell bodies in the gut using parabenzoquinone. Bu'Lock AJ, et al. **Histochemistry** 1982;74(1):49–55

The use of glutaraldehyde and tannic acid to preserve reconstituted collagen for electron microscopy. Meek KM. **Histochemistry** 1981;73(1):115–20

Effect of fixation on the light microscopical visualization of mast cells in the mucosa and connective tissue of the human duodenum. Ruitenberg EJ, et al. **Int Arch Allergy Appl Immunol** 1982 Mar;67(3):233–8

Staining properties of human intestinal mucosal mast cells after glutaraldehyde fixation. Strobel S, et al. **J Clin Pathol** 1982 Aug;35(8):897–9

Human intestinal mucosal mast cells: evaluation of fixation and staining techniques. Strobel S, et al. **J Clin Pathol** 1981 Aug;34(8):851–8

Tissue fixation and staining by osmium tetraoxide: a possible role for alkaloids. Wright MJ, et al. **J Histochem Cytochem** 1981 Nov;29(11):1347–8

Electron dense granules and the role of buffers: artefacts from fixation with glutaraldehyde and osmium tetroxide. Hendriks HR, et al. **J Microsc** 1982 May;126(Pt 2):161–8

The ultrastructural appearance of Candida albicans with different fixatives. Drewe JA. **Med Lab Sci** 1981 Jul; 38(3):237–44

The dimensional stability of bite marks in apples after long-term storage in a fixative. Rudland M. **Med Sci Law** 1982 Jan;22(1):47–50

The reliability of dimensions of formalin-fixed brains. Small CS, et al. **Neurology (NY)** 1982 Apr;32(4):413–5

Rapid paraffin fixation for use histologic examinations. Ni C, et al. **Ophthalmology (Rochester)** 1981 Dec;88(12):1372–6

Improved ultrastructural detail in tissues fixed with potassium permanganate. Todd ME, et al. **Stain Technol** 1981 Nov; 56(6):335–42

[Scanning electron microscopy and qualitative evaluation of histological fixative mixtures (author's transl)] Vindt-Balguerie E, et al. **Mikroskopie** 1981 Jun; 38(5–6):133–41 (Eng. Abstr.) **(Fre)**

DIAGNOSTIC USE

Mercuric chloride in alcohol and chloroform used as a rapidly acting fixative for contracting muscle fibres. Brown LM, et al. **J Microsc** 1982 Mar;125(3):319–36

The fixation, dehydration, drying and coating of cultured cells of SEM. Brunk U, et al. **J Microsc** 1981 Aug;123(Pt 2):121–31

PHARMACODYNAMICS

Swelling of mitochondria in immersion-fixed liver tissue. Effect of various fixatives and of delayed fixation. Rømert P, et al. **Acta Anat (Basel)** 1981;109(4):332–8

Ultrastructure of Mycobacterium leprae and other acid-fast bacteria as influenced by fixation conditions. Silva MT, et al. **Ann Microbiol (Paris)** 1982 Jul–Aug;133(1):59–73

Structural correlates of glutaraldehyde induced uncoupling in mouse liver gap junctions. Sikerwar S, et al. **Eur J Cell Biol** 1981 Oct;25(2):319–23

Human carbonic anhydrase isoenzyme C. Effects of some fixatives on the antigenicity and improvement in the method of localization. Kumpulainen T. **Histochemistry** 1981;72(3):425–31

The retained elasticity of elastin under fixation agents. Fung YC, et al. **J Biomech Eng** 1981 May;103(2):121–2

A comparative study on ultrastructure and immunological properties of human papilloma virus before and after fixation. Kimura S, et al. **J Dermatol (Tokyo)** 1982 Apr; 9(2):87–91

Paraformaldehyde fixation of hematopoietic cells for quantitative flow cytometry (FACS) analysis. Lanier LL, et al. **J Immunol Methods** 1981;47(1):25–30

The use of tannic acid fixation for the electron microscope visualization of fluorochrome-labelled antibodies attached to cell surface antigens. Roholl PJ, et al. **J Immunol Methods** 1981;42(3):285–9

Effects of glutaraldehyde or osmium tetroxide fixation on the osmotic properties of lung cells. Wangensteen D, et al. **J Microsc** 1981 Nov;124(Pt 2):189–96

Tannic acid–glutaraldehyde fixative and pleomorphic adenomas of the salivary gland: an ultrastructural study. David R, et al. **J Oral Pathol** 1982 Feb;11(1):26–38

Changes in shape and size of cat spinal root myelinated nerve fibers during fixation and Vestopal-w embedding for electron microscopy. Berthold CH, et al. **J Ultrastruct Res** 1982 Jul;80(1):23–41

Effects of preparatory techniques on the fine structure of human peripheral blood lymphocytes. III. Effect of different fixative solutions. Renau-Piqueras J, et al. **Mikroskopie** 1981 Jun;38(5–6):154–64

Fixation of semi-thin sections for combined light and electron microscopy. Nagato Y, et al. **Okajimas Folia Anat Jpn** 1981 Jun;58(2):69–79

[Karyo- and cytometric investigations of cortical layer V pyramidal neurons of albino rat after three various fixations] Nicolai B. **Z Mikrosk Anat Forsch** 1981; 95(5):797–808 (Eng. Abstr.) **(Ger)**

STANDARDS

On the standardization of glutaraldehyde for use in electron microscopy. Mráz P, et al. **Folia Morphol (Praha)** 1981; 29(3):286–91

FIXED ACTION PATTERN see **INSTINCT**

FLA 63 see under **IMIDAZOLES**

FLACCIDITY, MUSCLE see **MUSCLE HYPOTONIA**

FLAGELLA

Fusions of flagellar operons to lactose genes on a mu lac bacteriophage. Komeda Y. **J Bacteriol** 1982 Apr; 150(1):16–26

Analysis of flagellar genes in Pseudomonas aeruginosa by use of Rfla plasmids and conjugations. Tsuda M, et al. **J Bacteriol** 1981 Sep;147(3):1008–14

A simple method for the isolation of flagellar shape mutants in Salmonella. Fujita H, et al. **J Gen Microbiol** 1981 Jul; 125(Pt 1):213–6

ANALYSIS

Inner arm dyneins from flagella of Chlamydomonas reinhardtii. Piperno G, et al. **Cell** 1981 Dec;27(2 Pt 1):331–40

Sexual agglutinins from the Chlamydomonas flagellar membrane. Partial purification and characterization. Adair WS, et al. **J Biol Chem** 1982 Apr 25;257(8):4593–602

[Flagellar agglutination of Chlamydomonas gametes as a model for cell recognition (author's transl)] Matsuda Y. **Tanpakushitsu Kakusan Koso** 1982;27(9):1201–14 (90 ref.) **(Jpn)**

DRUG EFFECTS

[Effect of polyethylene glycol on flagellin and bacterial flagella] Novikov VV, et al. **Biol Nauki** 1982;(5):17–23 **(Rus)**

ENZYMOLOGY

Flagellar adenosine triphosphatases from annelid spermatozoa: electrophoretic identification of dyneins. Nakamura K, et al. **Arch Biochem Biophys** 1982 Mar; 214(1):172–9

Structure of the dynein-1 outer arm in sea urchin sperm flagella. II. Analysis by proteolytic cleavage. Bell CW, et al. **J Biol Chem** 1982 Jan 10;257(1):516–22

Structure of the dynein-1 outer arm in sea urchin sperm flagella. I. Analysis by separation of subunits. Tang WJ, et al. **J Biol Chem** 1982 Jan 10;257(1):508–15

Introduction: Dynein ATPases. Gibbons IR. **Prog Clin Biol Res** 1982;80:87–93 (74 ref.)

Outer and inner arm dyneins from flagella of Chlamydomonas reinhardtii. Piperno G, et al. **Prog Clin Biol Res** 1982;80:95–9

IMMUNOLOGY

A simple method for the isolation of flagella from Treponema Reiter. Petersen CS, et al. **Acta Pathol Microbiol Scand [C]** 1981 Dec;89(6):379–85

Immunological and biochemical relationships among flagella isolated from Legionella pneumophila serogroups 1, 2, and 3. Elliott JA, et al. **Infect Immun** 1981 Aug;33(2):602–10

Flagellar preparations from Pseudomonas aeruginosa: animal protection studies. Holder IA, et al. **Infect Immun** 1982 Jan;35(1):276–80

Flagellar preparations from Pseudomonas aeruginosa: isolation and characterization. Montie TC, et al. **Infect Immun** 1982 Jan;35(1):281–8

METABOLISM

Methyl-accepting chemotaxis proteins are distributed in the membrane independently from basal ends of bacterial flagella. Engström P, et al. **Biochim Biophys Acta** 1982 Mar 23;686(1):19–26

Characterization of proteins in flagellates and growing amebae of Naegleria fowleri. Woodworth TW, et al. **J Bacteriol** 1982 Jun;150(3):1366–74

Sequential polymerization of flagellin A and flagellin B into Caulobacter flagella. Koyasu S, et al. **J Mol Biol** 1981 Dec 5;153(2):471–5

PHYSIOLOGY

An antiserum against a glycoprotein functional in flagellar adhesion between Chlamydomonas eugametos gametes. Lens PF, et al. **Arch Microbiol** 1982 May;131(3):241–6

Flagellar beat patterns and their possible evolution. Sleigh MA. **Biosystems** 1981;14(3–4):423–31

Phylogenetic significance of the flagellar apparatus in protostelids (Eumycetozoa). Spiegel FW. **Biosystems** 1981; 14(3–4):491–9

Suppressor mutations in Chlamydomonas reveal a regulatory mechanism for Flagellar function. Huang B, et al. **Cell** 1982 Jan;28(1):115–24

Flagellum as a model system for studying dynamic cell–surface events. Bloodgood RA. **Cold Spring Harbor Symp Quant Biol** 1982;46 (Pt 2):683–93

Expression of flagellar protein genes during flagellar regeneration in Chlamydomonas. Silflow CD, et al. **Cold Spring Harbor Symp Quant Biol** 1982;46 (Pt 1):157–69

Development of the flagellar rootlet during Naegleria flagellate differentiation. Larson DE, et al. **Dev Biol** 1981 Aug;86(1):227–35

Virulence conversion of Legionella pneumophila serogroup 1 by passage in guinea pigs and embryonated eggs. Elliott JA, et al. **Infect Immun** 1982 Mar;35(3):943–6

Adsorption kinetics of laterally and polarly flagellated Vibrio. Belas MR, et al. **J Bacteriol** 1982 Sep;151(3):1568–80

Trailing flagella rotate faster than leading flagella in unipolar cells of Spirillum volutans. Swan MA. **J Bacteriol** 1982 Apr;150(1):377–80

Functional modification of the Chlamydomonas flagellar surface. Bloodgood RA, et al. **J Cell Biol** 1982 Apr; 93(1):88–96

Analysis of the movement of Chlamydomonas flagella: the function of the radial-spoke system is revealed by comparison of wild-type and mutant flagella. Brokaw CJ, et al. **J Cell Biol** 1982 Mar;92(3):722–32

Synthesis and mobilization of flagellar glycoproteins during regeneration in Euglena. Geetha-Habib M, et al. **J Cell Biol** 1982 May;93(2):432–41

Cilia and flagella of eukaryotes. Gibbons IR. **J Cell Biol** 1981 Dec;91(3 Pt 2):107s–124s (220 ref.)

Effects of antibodies against dynein and tubulin on the stiffness of flagellar axonemes. Okuno M, et al. **J Cell Biol** 1981 Dec;91(3 Pt 1):689–94

Reconstitution in vitro of flagellar filaments onto hook structures attached to bacterial cells. Kagawa H, et al. **J Mol Biol** 1981 Dec 5;153(2):465–70

Flagellar adhesion and deadhesion in Chlamydomonas gametes: effects of tunicamycin and observations on flagellar tip morphology. Snell WK. **J Supramol Struct Cell Biochem** 1981;16(4):371–6

Peripheral doublet microtubules and wave generation in eukaryotic flagella. Crowley PH, et al. **J Theor Biol** 1981 Dec 21;93(4):769–84

Direct measurement of the force of microtubule sliding in flagella. Kamimura S, et al. **Nature** 1981 Oct 15–21; 293(5833):566–8

Introduction: generation of the bending cycle in cilia and flagella. Brokaw CJ. **Prog Clin Biol Res** 1982;80:137–41 (34 ref.)

Motility of 9 + 0 mutants of Chlamydomonas rheinhardtii. Goldstein SF. **Prog Clin Biol Res** 1982;80:165–8

Extrusion and Rotation of the central-pair microtubules in detergent-treated Chlamydomonas flagella. Kamlya R. **Prog Clin Biol Res** 1982;80:169–73

A regulatory mechanism for flagellar function is revealed by suppressor analysis in Chlamydomonas. Luck DJ, et al. **Prog Clin Biol Res** 1982;80:159–64

Change in flagellar beat frequency of Chlamydomonas in response to light. Smyth RD, et al. **Prog Clin Biol Res** 1982;80:211–5

Role of calmodulin in the flagellar axoneme: effect of phenothiazines on reactivated axonemes of Chlamydomonas. Witman GB, et al. **Prog Clin Biol Res** 1982;80:199–204

[Molecular basis of sperm movement (author's transl)] Bouchard P, et al. **Ann Endocrinol (Paris)** 1981 Oct–Nov; 42(4–5):398–406 (Eng. Abstr.) **(Fre)**

ULTRASTRUCTURE

The phylogenetic and taxonomic implications of flagellar rootlet morphology among zoosporic fungi. Barr DJ. **Biosystems** 1981;14(3–4):359–70

Structure and protein composition of the striated flagellar rootlets of some protists. Dingle AD, et al. **Biosystems** 1981; 14(3–4):345–58

Twist of central pair microtubules in the flagellum of the green flagellate Scourfieldia caeca. Melkonian M, et al. **Cell Biol Int Rep** 1982 Mar;6(3):269–77

The relationship of flagellar length to sexual signalling in Chlamydomonas. Forest CL. **Exp Cell Res** 1982 Jun; 139(2):427–31

Scanning electron microscope observation of the swarming phenomenon of Vibrio parahaemolyticus. Belas MR, et al. **J Bacteriol** 1982 May;150(2):956–9

Role of the flaR gene in flagellar hook formation in Salmonella spp. Suzuki T, et al. **J Bacteriol** 1981 Dec; 148(3):973–9

Central-pair microtubular complex of Chlamydomonas flagella: polypeptide composition as revealed by analysis of mutants. Adams GM, et al. **J Cell Biol** 1981 Oct; 91(1):69–76

Cilia, flagella, and microtubules. Haimo LT, et al. **J Cell Biol** 1981 Dec;91(3 Pt 2):125s–130s (166 ref.)

Analysis of flagellar size control using a mutant of Chlamydomonas reinhardtii with a variable number of flagella. Kuchka MR, et al. **J Cell Biol** 1982 Jan;92(1):170–5

Effects of organic solvents on flagellar asymmetry and quiescence in sea urchin sperm. Gibbons BH. **J Cell Sci** 1982 Apr;54:115–35

The Euglena paraflagellar rod: structure, relationship to other flagellar components and preliminary biochemical characterization. Hyams JS. **J Cell Sci** 1982 Jun;55:199–210

Flagellar membrane specializations and their relationship to mastigonemes and microtubules in Euglena gracilis. Melkonian M, et al. **J Cell Sci** 1982 Jun;55:115–35

Process of irradiation damage to negatively stained helical structure observed by low dose method. Hosoi J, et al. **J Electron Microsc (Tokyo)** 1981;30(1):1–7

Three-dimensional reconstruction of the flagellar hook from Caulobacter crescentus. Wagenknecht T, et al. **J Mol Biol** 1981 Sep 25;151(3):439–65

Purification and reassembly of tubulin from outer doublet microtubules. Farrell KW. **Methods Cell Biol** 1982;24 Pt A:61–78

Flagellation of Pseudomonas aeruginosa during the cell division cycle. Amako K, et al. **Microbiol Immunol** 1982; 26(2):113–7

[A practical method for the observation of bacterial flagelli] Callerio D, et al. **Boll Ist Sieroter Milan** 1981;60(1):41–5 (Eng. Abstr.) **(Ita)**

[Ultrasensitive dark-field light microscopy (author's transl)] Ishihara A. **Seikagaku** 1981;53(1):30–2 **(Jpn)**

FLAGELLATA see **MASTIGOPHORA**

FLAGELLIN see under **BACTERIAL PROTEINS**

FLAIL CHEST see under **THORACIC INJURIES**

FLAME IONIZATION see under **CHROMATOGRAPHY, GAS**

FLAME RETARDANTS

Biodegradation of 14C-tris(2,3-dibromopropyl) phosphate in a laboratory activated sludge system. Alvarez GH, et al. **Bull Environ Contam Toxicol** 1982 Jan;28(1):85–90

Irreversible macromolecular binding of the flame retardant tris-(2, 3-dibromopropyl)phosphate in vitro and in vivo. Dybing E, et al. **Dev Toxicol Environ Sci** 1980;8:265–8

METABOLISM

Metabolic activation of bromopropyl compounds. Dybing E, et al. **Adv Exp Med Biol** 1981;136 Pt A:647–54

Bioconcentration and excretion of phosphoric acid triesters by killifish (Oryzeas latipes). Sasaki K, et al. **Bull Environ Contam Toxicol** 1982 Jun;28(6):752–9

Disposition of the flame retardant, tris(1,3-dichloro-2-propyl) phosphate, in the rat. Lynn RK, et al. **Drug Metab Dispos** 1981 Sep–Oct;9(5):434–41

Metabolism, distribution, and excretion of the flame retardant, tris(2,3-dibromopropyl) phosphate (tris-bp) in the rat: identification of mutagenic and nephrotoxic metabolites. Lynn RK, et al. **Toxicol Appl Pharmacol** 1982 Mar 30;63(1):105–19

Tissue distribution and elimination kinetics of polybrominated biphenyls (PBB) from rat tissue. Miceli JN, et al. **Toxicol Lett** 1981 Dec;9(4):315–20

POISONING

[Fireproofing compounds: their use and biological action] Zarembo OK, et al. **Gig Sanit** 1981 Dec;(12):40–2 **(Rus)**

TOXICITY

Toxicity, absorption and elimination of phosphoric acid triesters by killifish and goldfish. Sasaki K, et al. **Bull Environ Contam Toxicol** 1981 Dec;27(6):775–82

Mutagenicity tests of fabric-finishing agents in Salmonella typhimurium: fiber-reactive wool dyes and cotton flame retardants. MacGregor JT, et al. **Environ Mutagen** 1980; 2(3):405–18

Neurotoxicity of two organophosphorus ester flame retardants in hens. Sprague GL, et al. **J Toxicol Environ Health** 1981 Sep;8(3):507–18

Nephrotoxicity of the flame retardant, tris(2,3-dibromopropyl) phosphate, and its metabolites. Elliott WC, et al. **Toxicol Appl Pharmacol** 1982 Jan; 62(1):179–82

[Effect of oral administration of tris(1,3-dichloroisopropyl)phosphate to pregnant rats on prenatal and postnatal developments (author's transl)] Tanaka S, et al. **Eisei Shikenjo Hokoku** 1981;99:50–5 (Eng. Abstr.) **(Jpn)**

[Toxicometry of chladone 13B1 and its effect on correlations between hematologic and biochemical indices in animals] Voronin VA, et al. **Gig Tr Prof Zabol** 1982 Feb;(2):52–3 **(Rus)**

FLAPS see **SURGICAL FLAPS**

FLATFOOT

COMPLICATIONS

Surgical treatment of metatarsalgia. Aiello CL. **Int Orthop** 1981;5(2):107–9

DIAGNOSIS

Standardizing methods of measurement of foot shape by including the effects of subtalar rotation. Cobey JC, et al. **Foot Ankle** 1981 Jul;2(1):30–6

Congenital vertical talus and congenital calcaneovalgus deformity: a comparison. Greenberg AJ. **J Foot Surg** 1981 Winter;20(4):189–93

[Compensatory pes valgoplanus (author's transl)] Janssen G. **Z Orthop** 1982 May–Jun;120(3):278–9 (Eng. Abstr.) **(Ger)**

[Equipment for measuring various characteristics of the foot] Karchinov K. **Ortop Travmatol Protez** 1981 Oct;(10):63–4 **(Rus)**

ETIOLOGY

The acquired unilateral flatfoot in the adult: some causative factors. Henceroth WD 2d, et al. **Foot Ankle** 1982 Mar; 2(5):304–8

The bipartite tarsal scaphoid. Wiley JJ, et al. **J Bone Joint Surg [Br]** 1981;63B(4):583–6

PHYSIOPATHOLOGY

[Static and kinematic characteristics of children with congenital pes planovalgus and recurrent talipes] Kurochkin IuV, et al. **Ortop Travmatol Protez** 1982 Feb; (2):41–5 (Eng. Abstr.) **(Rus)**

RADIOGRAPHY

Tarsal pseudo-coalition [letter] Azouz EM. **J Can Assoc Radiol** 1982 Jun;33(2):105

SURGERY

Silastic sphere arthroereisis for surgical treatment of flexible flatfoot: a preliminary report. Addante JB, et al. **J Foot Surg** 1982 Summer;21(2):91–5

Calcaneal osteotomy in the management of flexible and nonflexibie flatfoot deformity: a preliminary report. Jacobs AM, et al. **J Foot Surg** 1981 Summer;20(2):57–66

Modification of the Grice-Green Subtalar arthrodesis in children. Guttmann G. **J Pediatr Orthop** 1981;1(2):219–21

[2 modifications of the surgical shaping of the longitudinal arch of the foot] Karchinov K. **Ortop Travmatol Protez** 1982 Apr;(4):51–2 **(Rus)**

THERAPY

Correction of hypermobile flatfoot in children by molded insert. Bordelon RL. **Foot Ankle** 1980 Nov;1(3):143–50

[Congenital convex flatfoot treated conservatively] Søjbjerg JO. **Ugeskr Laeger** 1982 Mar 15;144(11):798 (Eng. Abstr.) **(Dan)**

VETERINARY

[Choline acetyltransferase and acetylcholinesterase activities in various parts of the nervous system and skeletal muscles of newborn piglets with normal or low body weight as well as piglets with pathological splaying] Wittner S, et al. **Arch Exp Veterinarmed** 1982;36(2):221–35 (Eng. Abstr.) **(Ger)**

FLATULENCE

DIAGNOSIS

Indigestion and flatulence. Hecker R. **Aust Fam Physician** 1981 Jun;10(6):447–51

PHYSIOPATHOLOGY

[Flatulence] Fahrländer H. **Fortschr Med** 1982 May 27; 100(20):942–5 **(Ger)**

FLATWORMS see **PLATYHELMINTHS**

FLAVIN-ADENINE DINUCLEOTIDE see **FAD**

FLAVIN MONONUCLEOTIDE see **FMN**

FLAVINS

Resonance Raman spectra for flavin derivatives modified in the 8 position. Schopfer LM, et al. **Biochemistry** 1981 Nov 10;20(23):6734–9

Molecular complex of lumiflavin and 2-aminobenzoic acid: crystal structure, crystal spectra, and solution properties. Shieh HS, et al. **Biochemistry** 1981 Aug 4;20(16):4766–74

On the environment and the rotational motion of amphiphilic flavins in artificial membrane vesicles as studied by electron paramagnetic resonance spectrometry. Michel H, et al. **Biophys Chem** 1982 May;15(2):121–30

A 13C nuclear-magnetic-resonance study on free flavins and Megasphaera elsdenii and Azotobacter vinelandii

flavodoxin. 13C-enriched flavins as probes for the study of flavoprotein active sites. van Schagen CG, et al. **Eur J Biochem** 1981 Nov;120(1):33–9

2-Thioflavins as active site probes of flavoproteins. Claiborne A, et al. **J Biol Chem** 1982 Jan 10;257(1):174–82

[Oxidation of NADH by singlet oxygen generated by triplet flavin] Vekshin NL, et al. **Biofizika** 1981 Nov-Dec; 26(6):953–9 (Eng. Abstr.) **(Rus)**

ANALYSIS

A reflectance spectrophotometer-surface fluorometer suitable for monitoring changes in hemoprotein spectra and fluorescence of flavins and nicotinamide nucleotides in intact tissues. Hassinen I, et al. **Anal Biochem** 1982 Mar 1;120(2):365–72

Spectroscopy and photochemistry of flavins and flavoproteins. Müller F. **Photochem Photobiol** 1981 Dec; 34(6):753–9

[EPR study of flavo- and ubisemiquinones in liver tissue] Voevodskaia NV, et al. **Mol Biol (Mosk)** 1981 Jan-Feb; 15(1):243–51 (Eng. Abstr.) **(Rus)**

BIOSYNTHESIS

[Activity of the enzyme of the 2d step of flavinogenesis, 2,5-diamino-6-hydroxy-4-ribosylaminopyrimidine-5'-pho reductase, in Pichia guilliermondii yeasts] Shavlovskiĭ GM, et al. **Mikrobiologiia** 1981 Nov-Dec;50(6):1008–11 (Eng. Abstr.) **(Rus)**

[Selection and mutant properties of Pichia guilliermondii yeasts with derepressed GTP cyclohydrolase, the enzyme of the 1st step in flavinogenesis] Shavlovskiĭ GM, et al. **Mikrobiologiia** 1982 Jan-Feb;51(1):96–101 (Eng. Abstr.) **(Rus)**

ISOLATION & PURIFICATION

Flavin separation by affinity chromatography on immobilized egg white riboflavin-binding protein. Kozik A, et al. **Anal Biochem** 1982 Apr;121(2):224–6

METABOLISM

Solvent effects of flavin electron transfer reactions. Ahmad I, et al. **Biochemistry** 1981 Sep 29;20(20):5925–8

Analogues of 8-hydroxy-5-deazaflavin cofactor: relative activity as substrates for 8-hydroxy-5-deazaflavin-dependent NADP+ reductase from Methanococcus vannielii. Yamazaki S, et al. **Biochemistry** 1982 Mar 2;21(5):934–9

Growth, erythrocyte glutathione reductase and liver flavin as indicators of riboflavin status in turkey poults. Lee DJ. **Br Poult Sci** 1982 May;23(3):263–72

Interaction between flavins and alcohols. Yu BS, et al. **Chem Biol Interact** 1982 Jul 15;41(1):61–73

The binding of flavin derivatives to the riboflavin-binding protein of egg white. A kinetic and thermodynamic study. Becvar J, et al. **J Biol Chem** 1982 May 25;257(10):5607–17

Isolation and properties of bacterial luciferase intermediates containing different oxygenated flavins. Tu SC. **J Biol Chem** 1982 Apr 10;257(7):3719–25

Laser flash photolysis studies of electron transfer between semiquinone and fully reduced free flavins and horse heart cytochrome c. Ahmad I, et al. **Proc Natl Acad Sci USA** 1981 Nov;78(11):6724–8

PHARMACODYNAMICS

Uncoupling of the substrate monooxygenation and reduced pyridine nucleotide oxidation activities of salicylate hydroxylase by flavins. Tu SC, et al. **Arch Biochem Biophys** 1981 Jul;209(2):423–32

[Influence of silymarin and (+)-cyanidanol-3 on the HCB-induced porphyria in rats (author's transl)] Thier W, et al. **Z Gastroenterol** 1982 Jan;20(1):40–6 (Eng. Abstr.) **(Ger)**

RADIATION EFFECTS

Mechanism of light-induced reduction of biological redox centers by amino acids. A flash photolysis study of flavin photoreduction by ethylenediaminetetraacetate and nitrilotriacetate. Traber R, et al. **Biochemistry** 1982 Mar 30;21(7):1687–93

FLAVIVIRUSES

Vector competence of Culex pipiens quinquefasciatus for Murray Valley encephalitis, Kunjin, and Ross River viruses from Australia. Kay BH, et al. **Am J Trop Med Hyg** 1982 Jul;31(4):844–8

Attenuation of turkey meningo-encephalitis virus in BHK21 cells. Barnard BJ, et al. **Onderstepoort J Vet Res** 1981 Jun; 48(2):105–8

ANALYSIS

Homogeneity of the structural glycoprotein from European isolates of tick-borne encephalitis virus: comparison with other flaviviruses. Heinz FX, et al. **J Gen Virol** 1981 Dec; 57(Pt 2):263–74

Envelope protein of the flavivirus Kunjin is apparently not glycosylated. Wright PJ. **J Gen Virol** 1982 Mar;59(Pt 1):29–38

CLASSIFICATION

Use of hyperimmune mouse ascitic fluids for arbovirus differentiation by indirect immunofluorescence and conventional serology. Hronovský V, et al. **Acta Virol (Praha)** 1981 Sep;25(5):295–303

GENETICS

Genetic heterogeneity among Saint Louis encephalitis virus isolates of different geographic origin. Trent DW, et al. **Virology** 1981 Oct 30;114(2):319–32

GROWTH & DEVELOPMENT

Genetic resistance to lethal flaviviral encephalitis. III. Replication of Banzi virus in vitro and in vivo in tissues of congeneic susceptible and resistant mice. Bhatt PN, et al. **Arch Virol** 1981;69(3-4):273–86

Replication of dengue, yellow fever, St. Louis encephalitis and vesicular stomatitis viruses in a cell line (TRA-171) derived from Toxorhynchites amboinensis. Kuno G. **In Vitro** 1981 Nov;17(11):1011–5

IMMUNOLOGY

Dengue virus-specific and flavivirus group determinants identified with monoclonal antibodies by indirect immunofluorescence. Henchal EA, et al. **Am J Trop Med Hyg** 1982 Jul;31(4):830–6

Genetically controlled resistance to flavivirus and lactate-dehydrogenase-elevating virus-induced disease. Brinton MA. **Curr Top Microbiol Immunol** 1981;92:1–14 (56 ref.)

The reaction of Funambulus tristriatus tristriatus Rattus blanfordi and Suncus murinus to Kyasanur forest disease virus. Goverdhan MK, et al. **Indian J Med Res** 1981 Aug; 74:141–6

Infection enhancement of dengue type 2 virus in the U-937 human monocyte cell line by antibodies to flavivirus cross-reactive determinants. Brandt WE, et al. **Infect Immun** 1982 Jun;36(3):1036–41

Evaluation of the solid-phase radioimmunoassay for diagnosis of St. Louis encephalitis infection in humans. Wolff KL, et al. **J Clin Microbiol** 1981 Aug;14(2):135–40

Antibody-dependent plaque enhancement: its antigenic specificity in relation to Togaviridae. Peiris JS, et al. **J Gen Virol** 1982 Feb;58(Pt 2):291–6

[Serological survey for the prevalence of certain arboviruses in the human population of the south-east area of Central African Republic (author's transl)] Saluzzo JF, et al. **Bull Soc Pathol Exot Filiales** 1981 Sep-Oct;74(5):490–9 (Eng. Abstr.) **(Fre)**

ISOLATION & PURIFICATION

Isolation of Murray Valley encephalitis virus and other arboviruses in the Ord River Valley 1972–1976. Liehne PF, et al. **Aust J Exp Biol Med Sci** 1981 Jun;59(Pt 3):347–56

PATHOGENICITY

[Effect of the Tahyña virus on Langat virus persistence in the central nervous system of the mouse] Semenov BF, et al. **Vopr Virusol** 1981 Nov-Dec;(6):724–8 (Eng. Abstr.) **(Rus)**

FLAVOBACTERIUM

The laboratory diagnosis of opportunistic infections caused by uncommon bacteria in Papua New Guinea. Gratten M. **Papua New Guinea Med J** 1981 Sep;24(3):169–73

[Hospital infection caused by flavobacterium meningosepticum] Berkessy E, et al. **Orv Hetil** 1982 Apr 4;123(14):855–6 **(Hun)**

ANALYSIS

[Determination of G-C mole percentage in DNA of Flavobacterium farinofermentans n.sp. (author's transl)] Cai LW, et al. **Chung Kuo I Hsueh Ko Hsueh Yuan Hsueh Pao** 1981 Jun; 3(2):141–2 (Eng. Abstr.) **(Chi)**

ENZYMOLOGY

New restriction endonucleases from Flavobacterium okeanokoites (FokI) and Micrococcus luteus (MluI). Sugisaki H, et al. **Gene** 1981 Dec;16(1-3):73–8

Endo-beta-galactosidase from Flavobacterium keratolyticus. Kitamikado M, et al. **Methods Enzymol** 1982;83 Pt D:619–25

[Enzymes and genetic informations of hydrolases active on nylon oligomer, unnatural substrates (author's transl)] Okada H, et al. **Tanpakushitsu Kakusan Koso** 1982 Feb; 27(3):451–65 (34 ref.) **(Jpn)**

METABOLISM

Bacterial metabolism of ethylene glycol. Willetts A. **Biochim Biophys Acta** 1981 Oct 12;677(2):194–9

Conversion of chloramphenicol degradation products by tyrosine aminotransferase from Flavobacteria. Beschke HG, et al. **Hoppe Seylers Z Physiol Chem** 1982 Apr; 363(4):439–44

New intermediates, degradation of validamycin A by Flavobacterium saccharophilum. Kameda Y, et al. **J Antibiot (Tokyo)** 1981 Sep;34(9):1237–40

PATHOGENICITY

[Perinatal infections with unusual pathogens. 3. Flavobacterium meningosepticum] Handrick W, et al. **Padiatr Grenzgeb** 1981;20(3):167–74 (Eng. Abstr.) **(Ger)**

FLAVODOXIN see under **FLAVOPROTEINS**

FLAVONES

Microfluorometric investigations of chromatin structure. II. Mordant fluorochroming with ions that complex with morin. Cowden RR, et al. **Histochemistry** 1981; 72(3):391–400

[Main part of two factors of exogenous origin contained in the blood capillary wall (author's transl)] Gazave JM, et al. **J Mal Vasc** 1981;6(2):111–5 (Eng. Abstr.) **(Fre)**

ANALYSIS

Isoflavone content of soya-based laboratory animal diets. Murphy PA, et al. **Food Chem Toxicol** 1982 Jun;20(3):315–7

Presence of trifoliin A, a Rhizobium-binding lectin, in clover root exudate. Dazzo FB, et al. **J Supramol Struct Cell Biochem** 1981;16(2):133–8

[Coulometric titration of flavonoids (author's transl)] Xu LX, et al. **Yao Hsueh Hsueh Pao** 1981 Feb;16(2):132–8 (Eng. Abstr.) **(Chi)**

BIOSYNTHESIS

Isolation and partial characterization of three glucosyl transferases involved in the biosynthesis of flavonol triglucosides in Pisum sativum L. Jourdan PS, et al. **Arch Biochem Biophys** 1982 Feb;213(2):434–43

BLOOD

Determination of sodium flavodate in body fluids by high-performance liquid chromatography: application to clinical pharmacokinetic studies. Zecca L, et al. **J Chromatogr** 1982 Jun 11;230(1):168–74

[Pharmacokinetics of puerarin – determination of its plasma concentration by spectrofluorometry] Hsiang CS, et al. **Chung Kuo I Hsueh Ko Hsueh Yuan Hsueh Pao** 1981 Jun; 3 Suppl 1:48–51 (Eng. Abstr.) **(Chi)**

CHEMICAL SYNTHESIS

Antimicrobial 3-methyleneflavanones. Ward FE, et al. **J Med Chem** 1981 Sep;24(9):1073–7

ISOLATION & PURIFICATION

[Studies on the flavonoids of Epimedium sagittatum (author's transl)] Jin XL. **Chung Yao Tung Pao** 1981 May;6(3):20–2 **(Chi)**

[Studies on Mosla soochowensis Matsuda. II. Isolation and structure of moslosooflavone (author's transl)] Wu FW, et al. **Yao Hsueh Hsueh Pao** 1982 Feb;17(2):151–3 (Eng. Abstr.) **(Chi)**

[Studies on the constituents of Ipomoea biloba Forsk] Takagi S, et al. **Yakugaku Zasshi** 1981 May;101(5):482–4 (Eng. Abstr.) **(Jpn)**

[Flavonoid compounds of Veronica spicata L.] Wójcik E. **Acta Pol Pharm** 1981;38(5):621–3 **(Pol)**

METABOLISM

Microsomal metabolites of the aryl hydrocarbon hydroxylase and tumour inhibitor 7,8-benzoflavone. Coombs MM, et al. **Carcinogenesis** 1981;2(2):135–40

The influence of various enzyme inducers on the microsomal metabolism of 7,8-benzoflavone. Coombs MM. **Carcinogenesis** 1982;3(2):229–30

Transformation of (+/-) flavanone by Gibberella fujikuroi. Udupa SR, et al. **Indian J Biochem Biophys** 1981 Apr; 18(2):142–5

Growth-phase-dependent immunodeterminants of Rhizobium trifolii lipopolysaccharide which bind trifoliin A, a white clover lectin. Hrabak EM, et al. **J Bacteriol** 1981 Nov;148(2):697–711

[Pharmacokinetics of carsyl (silymarin) in experimental animals] Ognianova V, et al. **Eksp Med Morfol** 1981; 20(4):214–20 (Eng. Abstr.) **(Bul)**

[Bioavailability of silymarin, I: Volumes of distribution of silybin, silydianin, and silychristin from in-vitro data (author's transl)] Koch HP, et al. **Arch Pharm (Weinheim)** 1981 Jun;314(6):515–7 (Eng. Abstr.) **(Ger)**

[Elimination of drugs in cholecystectomized patients. Studies with silymarin in patients with extrahepatic complications] Lorenz D, et al. **Methods Find Exp Clin Pharmacol** 1981; 3 Suppl 1:103–106S (Eng. Abstr.) **(Ger)**

PHARMACODYNAMICS

Effect of silybin on hepatic cell membranes after damage by polycyclic aromatic hydrocarbons (PAH). Meiss R, et al. **Agents Actions** 1982 Apr;12(1-2):254–7

Photo-induced covalent labelling of malate dehydrogenase by quercetin. Seddon AP, et al. **Biochem Biophys Res Commun** 1981 Sep 16;102(1):15–21

Selective inhibition of platelet lipoxygenase by baicalein. Sekiya K, et al. **Biochem Biophys Res Commun** 1982 Apr

14;105(3):1090–5
The effects of aldose reductase inhibitors on the metabolism of cultured monkey kidney epithelial cells. Boot-Handford R, et al. **Biochem Pharmacol** 1981 Nov 15;30(22):3065–9
Selective inhibition of a cyclic nucleotide independent protein kinase (G type casein kinase) by quercetin and related polyphenols. Cochet C, et al. **Biochem Pharmacol** 1982 Apr 1;31(7):1357–61
Mixed function oxidase in the mammary gland and liver microsomes of lactating rats. Effects of 3-methylcholanthrene and beta-naphthoflavone. Ritter CL, et al. **Biochem Pharmacol** 1982 Jan 15;31(2):239–47
Regulation of protein kinases activity by quercetin in Ehrlich ascites tumor cells. Graziani Y, et al. **Biochim Biophys Acta** 1982 Feb 25;714(3):415–21
Effect of butylated hydroxyanisole, alpha-angelica lactone, and beta-naphthoflavone on benzo(alpha)pyrene:DNA adduct formation in vivo in the forestomach, lung, and liver of mice. Ioannou YM, et al. **Cancer Res** 1982 Apr; 42(4):1199–204
Differential effects of retinoic acid and 7,8-benzoflavone on the induction of mouse skin tumors by the complete carcinogenesis process and by the initiation-promotion regimen. Verma AK, et al. **Cancer Res** 1982 Sep; 42(9):3519–25
The differential effects of retinoic acid and 7,8-benzoflavone on the induction of mouse skin tumors by the initiation-promotion protocol and by the complete carcinogenesis process. Verma AK. **Carcinog Compr Surv** 1982;7:35–9
Different patterns of benzo[a]pyrene metabolism of purified cytochromes P-450 from methylcholanthrene, beta-naphthoflavone and phenobarbital treated rats. Gozukara EM, et al. **Carcinogenesis** 1982;3(2):129–33
Metabolism of benzo[a]pyrene by brain microsomes of fetal and adult rats and mice. Induction by 5,6 benzoflavone, comparison with liver and lung microsomal activities. Rouet P, et al. **Carcinogenesis** 1981;2(9):919–26
Pharmacologic studies on Radix puerariae: effects of puerariae flavones on coronary circulation, cardiac hemodynamics and myocardial metabolism in dogs. Fan LL, et al. **Chin Med J [Engl]** 1982 Feb;95(2):145–50
Induction of cytochromes P450 and mixed-function oxidase activity by polychlorinated biphenyls and beta-naphthoflavone in carp (Cyprinus carpio). Melancon MJ, et al. **Comp Biochem Physiol [C]** 1981;69(2):219–26
In vivo and in vitro effects of beta-naphthoflavone on cytochrome P-450-dependent testosterone hydroxylase activities in liver microsomes. Shiverick KT. **Drug Metab Dispos** 1981 Nov-Dec;9(6):545–50
Quercetin enhances water transport in toad bladder. Grosso A, et al. **Experientia** 1981 Jul 15;37(7):742–4
The effect of silybin on lipid synthesis in ethanol-intoxicated rat hepatocytes in primary culture. Corazzi L, et al. **Farmaco [Sci]** 1982 Feb;37(2):123–32
Carcinogenicity test of quercetin by pulmonary-adenoma bioassay in strain A mice. Hosaka S, et al. **Gan** 1981 Apr; 72(2):327–8
Quercetin inhibition of the induction and function of cytotoxic T lymphocytes. Schwartz A, et al. **Immunopharmacology** 1982 Apr;4(2):125–38
Cholesterol lowering action of vitamin P-like compounds in rats. Basarkar PW, et al. **Indian J Exp Biol** 1981 Aug; 19(8):787–9
Studies on differentiation inducing substances of animal cells. I. Differenol A, a differentiation inducing substance against mouse leukemia cells. Asahi K, et al. **J Antibiot (Tokyo)** 1981 Jul;34(7):919–20
Effects of phenobarbital, beta-naphthoflavone, dexamethasone, and formamidoxime on the turnover of inducible microsomal proteins in cultured hepatocytes. Althaus FR, et al. **J Biol Chem** 1981 Dec 25; 256(24):13079–84
Effects of 3-methylcholanthrene, beta-naphthoflavone, and phenobarbital on the 3-methylcholanthrene-inducible isozyme of cytochrome P-450 within centrilobular, midzonal, and periportal hepatocytes. Baron J, et al. **J Biol Chem** 1982 Jan 25;257(2):953–7
Specificity in the activation and inhibition by flavonoids of benzo[a]pyrene hydroxylation by cytochrome P-450 isozymes from rabbit liver microsomes. Huang MT, et al. **J Biol Chem** 1981 Nov 10;256(21):10897–901
Multiple forms of cytochrome P-450 in liver microsomes from beta-naphthoflavone-pretreated rats. Separation, purification, and characterization of five forms. Lau PF, et al. **J Biol Chem** 1982 May 10;257(9):5257–62
Effects of 1-arylpyrroles and naphthoflavones upon cytochrome P-450 dependent monooxygenase activities. Viswanathan T, et al. **J Med Chem** 1981 Jul;24(7):822–30
Antitumor agents. 49 tricin, kaempferol-3-O-beta-D-glucopyranoside and (+)-nortrachelogenin, antileukemic principles from Wikstroemia indica. Lee KH, et al. **J Nat Prod** 1981 Sep–Oct;44(5):530–5
The effects of quercetin, 1-tosylamido-2-phenylethyl chloromethyl ketone, cytochalasin A and nordihydroguaiaretic acid on lysosomal enzyme secretion, arachidonic acid metabolism and Ca2+ fluxes in rabbit neutrophils. Showell HJ, et al. **J Reticuloendothel Soc** 1981 Sep;30(3):167–81
Effects of 7, 8-benzoflavone and SKF 525-A on the enzyme-mediated mutagenicity of phenylenediamines. Nohmi T, et al. **J Toxicol Sci** 1982 Feb;7(1):61–9
Metabolic-intermediate complex formation reveals major changes in rat hepatic cytochrome P-450 subpopulations in addition to those forms previously purified after phenobarbital, beta-naphthoflavone, and isosafrole induction. Bornheim LM, et al. **Mol Pharmacol** 1982 Mar; 21(2):527–32
Potentiation of genotoxicity by concurrent application of compounds found in betel quid: arecoline, eugenol, quercetin, chlorogenic acid and Mn2+. Stich HF, et al. **Mutat Res** 1981 Dec;90(4):355–63
The mutagenic activity of quercetin and kaempferol in Drosophila melanogaster. Watson WA. **Mutat Res** 1982 Feb;103(2):145–7
Quercetin inhibits tyrosine phosphorylation by the cyclic nucleotide-independent, transforming protein kinase, pp60src. Glossmann H, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1981 Aug; 317(1):100–2
Antitumor activity of flavonoids on NK/Ly ascites tumor cells. Molnár J, et al. **Neoplasma** 1981;28(1):11–8
Isolation of amentoflavone from Selaginella rupestris and its pharmacological activity on central nervous system, smooth muscles and isolated frog heart preparations. Chakravarthy BK, et al. **Planta Med** 1981 Sep;43(1):64–70
In vivo activation of zoxazolamine metabolism by flavone. Lasker JM, et al. **Science** 1982 Jun 25;216(4553):1419–21
Modification of the mutagenicity and teratogenicity of cyclophosphamide in rats with inducers of the cytochromes P-450. Hales BF. **Teratology** 1981 Aug;24(1):1–11
TCDD embryotoxicity in the mouse may be enhanced by beta-naphthoflavone, another ligand of the Ah-receptor. Hassoun EM, et al. **Toxicol Lett** 1982 Jul;12(2–3):191–8
Effect of silybin on phalloidin-actin interactions in vitro. Loranger A, et al. **Toxicol Lett** 1982 Apr;11(1–2):111–7
Induction of cytochrome P-450 related metabolic activities in the rat ventral prostate. Söderkvist P, et al. **Toxicol Lett** 1982 Jan;10(1):61–9
[Pharmacology of puerarin. V. Effects of puerarin on platelet aggregation and release of 5-HT from platelets] Yin ZZ, et al. **Chung Kuo I Hsueh Ko Hsueh Yuan Hsueh Pao** 1981 Jun;3 Suppl 1:44–7 (Eng. Abstr.) **(Chi)**
[Influence of silymarin and (+)-cyanidanol-3 on the HCB-induced porphyria in rats (author's transl)] Thier W, et al. **Z Gastroenterol** 1982 Jan;20(1):40–6 (Eng. Abstr.) **(Ger)**
[Effects of chronic inhibition of adipocyte phosphodiesterase on lipolysis induced with noradrenaline in normal and obese subjects] Chiodini G, et al. **Arch E Maragliano Patol Clin** 1978;34(2):91–108 (57 ref.) (Eng. Abstr.) **(Ita)**
[Effects of drugs on the mitochondrial fraction isolated from the liver] Braga PC, et al. **Clin Ter** 1981 Mar 15; 96(5):493–501 (Eng. Abstr.) **(Ita)**
[Action of silymarin on the fatty acid composition of the hepatic lipids of estrogenized chickens] Sánchez García JA, et al. **Arch Farmacol Toxicol** 1981 Apr;7(1):143–50 **(Spa)**

THERAPEUTIC USE

Mechanism of antiviral action of quercetin against cardiovirus infection in mice. Veckenstedt A, et al. **Antiviral Res** 1981 Nov;1(4):249–61
Effect of silymarin on experimental liver lesions. Barbarino F, et al. **Med Interne** 1981 Oct–Dec;19(4):347–57
The effect of an aqueous propolis extract, of rutin and of a rutin-quercetin mixture on experimental influenza virus infection in mice. Eşanu V, et al. **Virologie** 1981 Jul–Sep; 32(3):213–5
[The treatment of progressive malignant myopia with magnesium chelates of flavones. Apropos of 400 cases] Algan B. **Bull Soc Belge Ophtalmol** 1981;192:103–12 **(Fre)**
[Ultrastructural morphometric investigations on mouse liver after treatment with phalloidin and alpha-amanitin followed by application of silybin (author's transl)] Meiss R, et al. **Z Gastroenterol** 1981 Aug;19(8):384–9 (Eng. Abstr.) **(Ger)**
[Metabolic impairment of the hepatocyte in pregnancy: prevention and therapy with a membrane-stabilizing drug] Maneschi M, et al. **Clin Ter** 1981 Jun 30;97(6):625–30 **(Ita)**
[Effect of the administration of silymarin on serum lipid levels] Petronelli A, et al. **Clin Ter** 1981 Dec 15; 99(5):471–82 **(Ita)**
[Ambulatory treatment of hepatic damage: comparison of 2 therapeutic modalities] Ravetta A. **Clin Ter** 1981 Oct 31;99(2):149–53 **(Ita)**
[Toxic occupational liver diseases. Therapeutic effects of silymarin] Boari C, et al. **Minerva Med** 1981 Oct 20; 72(40):2679–88 (Eng. Abstr.) **(Ita)**
[Urodynamic studies on detrusor hyperreflexia. III. Clinical treatment of detrusor hyperreflexia by TURP, oral administration of flavoxate and prolonged bladder distension (author's transl)] Furuya S, et al. **Nippon Hinyokika Gakkai Zasshi** 1981 Dec; 72(12):1597–604 (Eng. Abstr.) **(Jpn)**

TOXICITY

Carcinogenicity examination of quercetin and rutin in ACI rats. Hirono I, et al. **Cancer Lett** 1981 Jun;13(1):15–21
Carcinogenicity test of quercetin and rutin in golden hamsters by oral administration. Morino K, et al. **Carcinogenesis** 1982;3(1):93–7
Teratogenic potential of quercetin in the rat. Willhite CC. **Food Chem Toxicol** 1982 Feb;20(1):75–9
Changes in estrogen receptor levels during DES-induced hepatocarcinogenesis in the Syrian hamster fed alpha-naphthoflavone. Li SA, et al. **J Steroid Biochem** 1981 Dec;15:387–92
Test of carcinogenicity of quercetin, a widely distributed mutagen in food. Saito D, et al. **Teratogenesis Carcinog Mutagen** 1980;1(2):213–21

FLAVOPROTEINS

Structural and dynamic information on the complex of Megasphaera elsdenii apoflavodoxin and riboflavin 5'-phosphate. A phosphorus-31 nuclear magnetic resonance study. Moonen CT, et al. **Biochemistry** 1982 Jan 19;21(2):408–14
Resonance Raman spectra for flavin derivatives modified in the 8 position. Schopfer LM, et al. **Biochemistry** 1981 Nov 10;20(23):6734–9
Photochemically induced dynamic nuclear polarization study on flavin adenine dinucleotide and flavoproteins. van Schagen CG, et al. **Biochemistry** 1982 Jan 19;21(2):402–7
A 13C nuclear-magnetic-resonance study on free flavins and Megasphaera elsdenii and Azotobacter vinelandii flavodoxin. 13C-enriched flavins as probes for the study of flavoprotein active sites. van Schagen CG, et al. **Eur J Biochem** 1981 Nov;120(1):33–9
2-Thioflavins as active site probes of flavoproteins. Claiborne A, et al. **J Biol Chem** 1982 Jan 10;257(1):174–82
Computer-generated schematic diagrams of protein structures. Lesk AM, et al. **Science** 1982 Apr 30; 216(4545):539–40

ANALYSIS

Spectroscopy and photochemistry of flavins and flavoproteins. Müller F. **Photochem Photobiol** 1981 Dec; 34(6):753–9

ANTAGONISTS & INHIBITORS

[Estimation of the prosthetic group of Pseudomonas sp. cyclohexylamine oxidase by using vitamin antagonists in the bacterial cultivation (author's transl)] Tsuchiya T, et al. **Eisei Shikenjo Hokoku** 1981;99:103–6 (Eng. Abstr.) **(Jpn)**

BIOSYNTHESIS

Induction of acyl-CoA dehydrogenases and electron transfer flavoprotein and their roles in fatty acid oxidation in rat liver mitochondria. Furuta S, et al. **J Biochem (Tokyo)** 1981 Dec;90(6):1751–6

ISOLATION & PURIFICATION

Purification and properties of rat liver acyl-CoA dehydrogenases and electron transfer flavoprotein. Furuta S, et al. **J Biochem (Tokyo)** 1981 Dec;90(6):1739–50
Mercuric reductase. Purification and characterization of a transposon-encoded flavoprotein containing an oxidation-reduction-active disulfide. Fox B, et al. **J Biol Chem** 1982 Mar 10;257(5):2498–503

METABOLISM

The effect of tetrahydrofolate on the reduction of electron transfer flavoprotein by sarcosine and dimethylglycine dehydrogenases. Steenkamp DJ, et al. **Biochem J** 1982 Jun 1;203(3):707–15
Transient kinetics of electron-transfer reactions of flavodoxins. Jung J, et al. **Biochemistry** 1981 Sep 1; 20(18):5124–31
Kinetic isotope effects in the oxidation of isotopically labeled NAD(P)H by bacterial flavoprotein monooxygenases. Ryerson CC, et al. **Biochemistry** 1982 Mar 16;21(6):1144–51
Routes of flavodoxin and ferredoxin reduction in Escherichia coli. CoA-acylating pyruvate: flavodoxin and NADPH: flavodoxin oxidoreductases participating in the activation of pyruvate formate-lyase. Blaschkowski HP, et al. **Eur J Biochem** 1982 Apr;123(3):563–9
Rhein as an electron acceptor for various flavoproteins and for electron transport particles. Egerer P, et al. **Hoppe Seylers Z Physiol Chem** 1982 Jun;363(6):627–33
Further physicochemical studies on the complex formation between iron-sulfur proteins and flavoproteins from spinach chloroplast and beef adrenal cortex electron-transfer systems. Hasumi H, et al. **J Biochem (Tokyo)** 1982 Jan;91(1):135–41

PHARMACODYNAMICS

Inhibition of general acyl CoA dehydrogenase by electron transfer flavoprotein semiquinone. Beckmann JD, et al. **Biochem Biophys Res Commun** 1981 Oct 30;102(4):1290–4

PHYSIOLOGY

In vivo flavoprotein redox measurements of rabbit corneal normoxic-anoxic transitions. Masters BR, et al. **Curr Eye Res** 1981–82;1(10):623–7

FLAVORING AGENTS

Monographs on fragrance raw materials. Opdyke DL. **Food Cosmet Toxicol** 1981 Apr;19(2):237–54

[The use of silica as an anti-caking agent in food powder flavors] Vigneron M. **Bull Acad Natl Med (Paris)** 1981 Feb; 165(2):273 **(Fre)**

ADVERSE EFFECTS

Contact dermatitis and flare from food flavouring agents. Bedello PG, et al. **Contact Dermatitis** 1982 Mar;8(2):143–4

[Severe hyperkalemia induced by the combination of Cycloteriam and Bouillet dietetic salt (letter)] Desoutter P, et al. **Therapie** 1982 Mar–Apr;37(2):219–21 **(Fre)**

ANALYSIS

Natural and simulated meat flavors (with particular reference to beef). MacLeod G, et al. **CRC Crit Rev Food Sci Nutr** 1981;14(4):309–437 (439 ref.)

METABOLISM

The metabolism of 4-(4-hydroxyphenyl)butan-2-one (raspberry ketone) in rats, guinea-pigs and rabbits. Sporstøl S, et al. **Xenobiotica** 1982 Apr;12(4):249–57

STANDARDS

Examination of Mexican vanilla extracts for coumarin adulteration: part I. Sullivan G. **Vet Hum Toxicol** 1981 Apr; 23(2):89–91

TOXICITY

Acute toxicity of thioguaiacol and of versalide in rodents. Butterworth KR, et al. **Food Cosmet Toxicol** 1981 Dec; 19(6):753–5

Long-term toxicity study of ethyl methylphenylglycidate (strawberry aldehyde) in the rat. Dunnington D, et al. **Food Cosmet Toxicol** 1981 Dec;19(6):691–9

Interactions of naturally occurring food plant components with insecticides and pentobarbital in rats and mice. Marcus C, et al. **J Agric Food Chem** 1982 May–Jun;30(3):563–8

FLAVOXATE see under **FLAVONES**

FLEAS

Prevalence of tungiasis in Oto-Ijanikin village, Badagry, Lagos State, Nigeria. Ade-Serrano MA, et al. **Ann Trop Med Parasitol** 1981 Aug;75(4):471–2

Treatment of human tungiasis with niridazole (Ambilhar) a double-blind placebo-controlled trial. Ade-Serrano MA, et al. **Ann Trop Med Parasitol** 1982 Feb;76(1):89–92

Tungiasis in Zimbabwe. Goldsmid JM. **Cent Afr J Med** 1981 Aug;27(8):151–2

Anthropophilic deflection of Ctenocephalides canis (dog flea). Fagbemi BO, et al. **Int J Zoonoses** 1981 Dec; 8(2):97–99

Effect of Ctenocephalides felis strongylus infestation on the performance of West African dwarf sheep and goats. Fagbemi BO. **Vet Q** 1982 Apr;4(2):92–5

[Effect of dendrobacillin on the flea Xenopsylla cheopis (Siphonaptera)] Ershova LS, et al. **Parazitologiia** 1982 Mar–Apr;16(2):165–8 (Eng. Abstr.) **(Rus)**

ANATOMY & HISTOLOGY

[Description of the larva of Xenopsylla cunicularis Smit, 1957 (Siphonaptera, Pulicidae) (author's transl)] Launay H. **Ann Parasitol Hum Comp** 1981;56(6):613–20 (Eng. Abstr.) **(Fre)**

GROWTH & DEVELOPMENT

Influence of temperature and humidity on survival and development of the cat flea, Ctenocephalides felis (Siphonaptera: Pulicidae). Silverman J, et al. **J Med Entomol** 1981 Feb 20;18(1):78–83

PARASITOLOGY

Seasonal activity of Rattus norvegicus and flea index in Port Said Governorate, Egypt. Rifaat MA, et al. **J Egypt Soc Parasitol** 1981 Dec;11(2):525–32

The rodent reservoir hosts and intermediate hosts of Hymenolepis diminuta (Rudoiphi, 1819) in Egypt. Salem SA, et al. **J Egypt Soc Parasitol** 1981 Jun;11(1):77–82

Polygenis tripus (Siphonaptera: Rhopalopsyllidae) naturally infected by Allantonematidae (Nematoda: Tylenchida). Linardi PM, et al. **J Med Entomol** 1981 Feb 20;18(1):41–3

[New mermithid genera and species parasitic in fleas] Rubtsov IA. **Parazitologiia** 1981 Jul–Aug;15(4):338–41 (Eng. Abstr.) **(Rus)**

[New helminth species from fleas] Rubtsov IA. **Parazitologiia** 1981 Sep–Oct;15(5):424–9 **(Rus)**

[Effect of allantonematids on the reproduction and population of the flea, Ceratophyllus laeviceps (Siphonaptera)] Samurov MA. **Parazitologiia** 1981 Jul–Aug;15(4):360–3 **(Rus)**

PHYSIOLOGY

[Parasite-host relations of fleas and rodents] Sosinina EF. **Parazitologiia** 1982 Jan–Feb;16(1):62–8 (Eng. Abstr.) **(Rus)**

FLICKER FUSION

Psychophysical investigations of the temporal modulation sensitivity function in amblyopia: uniform field flicker. Manny RE, et al. **Invest Ophthalmol Vis Sci** 1982 Apr; 22(4):515–24

Psychophysical investigations of the temporal modulation sensitivity function in amblyopia: spatiotemporal interactions. Manny RE, et al. **Invest Ophthalmol Vis Sci** 1982 Apr;22(4):525–34

Photopic and scotopic flicker sensitivity of a rod monochromat. Skottun BC, et al. **Invest Ophthalmol Vis Sci** 1981 Dec;21(6):877–9

The use of Critical Flicker Fusion frequency test for evaluating some central nervous effects of two indomethacin formulations. Carless JE, et al. **J Pharm Pharmacol** 1981 May;33(5):336–7

The effects of central and peripheral refraction on critical fusion frequency. Jennings JA, et al. **Ophthalmic Physiol Opt** 1981;1(2):91–6

Sex differences in critical flicker frequency. Ginsburg N, et al. **Percept Mot Skills** 1982 Jun;54(3 Pt 2):1079–82

[Circadian rhythm of retinal critical fusion frequency (CFF)] Modugno GC, et al. **Boll Soc Ital Biol Sper** 1981 Jul 15; 57(13):1408–15 (Eng. Abstr.) **(Ita)**

[Fourier analysis of flicker VEP (author's transl)] Ito M, et al. **Nippon Ganka Gakkai Zasshi** 1982;86(2):188–96 (Eng. Abstr.) **(Jpn)**

[A study of aniseikonia – a temporal analysis for fusion (author's transl)] Oikawa T. **Nippon Ganka Gakkai Zasshi** 1981 Aug 10;85(8):965–76 (Eng. Abstr.) **(Jpn)**

DRUG EFFECTS

Short-term exposure of human subjects to m-xylene and 1,1,1-trichloroethane. Savolainen K, et al. **Int Arch Occup Environ Health** 1981;49(1):89–98

Distalgesic and ethanol-impaired function [letter] Edwards C, et al. **Lancet** 1982 Aug 14;2(8294):384

[Alterations in critical fusion frequency of luminous stimulus in lead-exposed subjects (author's transl)] D'Andrea F, et al. **Med Lav** 1982 Jan–Feb;73(1):35–9 **(Ita)**

PHYSIOLOGY

Two-flash fusion as a measure of changes in cortical activation with the menstrual cycle. Braier JR, et al. **Biol Psychol** 1980 Sep;11(2):153–6

Binocular interactions in normal and anomalous binocular vision: effects of flicker. Levi DM, et al. **Br J Ophthalmol** 1982 Jan;66(1):57–63

Abnormalities of chromatic and luminance critical flicker frequency in multiple sclerosis. Mason RJ, et al. **Invest Ophthalmol Vis Sci** 1982 Aug;23(2):246–52

Criterion-free pattern and flicker thresholds. Burbeck CA. **J Opt Soc Am** 1981 Nov;71(11):1343–50

Comparison of flicker-photometric and flicker-threshold spectral sensitivities while the eye is adapted to colored backgrounds. Eisner A. **J Opt Soc Am** 1982 Apr; 72(4):517–8

Luminous-efficiency functions for point sources. Ikeda M, et al. **J Opt Soc Am** 1982 Jan;72(1):68–73

Effect of retinal location on cone critical flicker frequency. Montvilo RK, et al. **Percept Mot Skills** 1981 Dec; 53(3):947–57

Technique for differentiating cortical hemispheric activity following exercise. Powell RR. **Percept Mot Skills** 1982 Jun;54(3):923–32

Flicker masking in spatial vision. Breitmeyer B, et al. **Vision Res** 1981;21(9):1377–85

Psychophysical relationships among mechanisms sensitive to pattern, motion and flicker. Green M. **Vision Res** 1981; 21(7):971–83

Differences between flicker and non-flicker persistence tasks: the effects of luminance and the number of cycles in a grating target. Long GM, et al. **Vision Res** 1981; 21(9):1387–93

[CFF as an index of stress of operators of control desks working in constant motion (author's transl)] Ogiński A, et al. **Przegl Lek** 1981;38(9):695–700 (Eng. Abstr.) **(Pol)**

[Frequency-contrast characteristics of the eyes in diabetes mellitus (experience of using the Arden's tables)] Pivovarov NN, et al. **Vestn Oftalmol** 1981 Sep–Oct;(5):36–40 (Eng. Abstr.) **(Rus)**

FLIES, TRUE see **DIPTERA**

FLIGHT, ANIMAL

Avian flight energetics. Rayner JM. **Annu Rev Physiol** 1982; 44:109–19 (59 ref.)

Flight, orientation, and homing abilities of honeybees following exposure to 2.45-GHz CW microwaves. Gary NE, et al. **Bioelectromagnetics** 1981;2(1):71–5

Function of sensory input in insect motor systems. Pearson KG. **Can J Physiol Pharmacol** 1981 Jul;59(7):660–6

Echolocation by young bats on their initial and subsequent flights. Gould E, et al. **Dev Psychobiol** 1981 Jan;14(1):41–54

Preflight development of bilateral wing coordination in the chick (Gallus domesticus): effects of induced bilateral wing asymmetry. Provine RR. **Dev Psychobiol** 1982 May; 15(3):245–55

Identification of Drosophila indirect flight muscle myofibrillar proteins by means of two-dimensional electrophoresis. Mogami K, et al. **J Biochem (Tokyo)** 1982 Feb;91(2):643–50

Identification of a connecting filament protein in insect fibrillar flight muscle. Saide JD. **J Mol Biol** 1981 Dec 15; 153(3):661–79

Target density estimation in radar biology. Drake VA. **J Theor Biol** 1981 Jun 21;90(4):545–71

Isolation of Drosophila flightless mutants which affect myofibrillar proteins of indirect flight muscle. Mogami K, et al. **MGG** 1981;183(3):409–17

The influence of flight on the phospholipid metabolism in insect flight muscle. Strunecká A, et al. **Physiol Bohemoslov** 1981;30(5):411–6

Effect of lithium chloride on the circadian rhythm in the flight activity of the microchiropteran bat, Taphozous melanopogon. Subbaraj R. **Z Naturforsch [C]** 1981 Nov–Dec;36(11–12):1068–71

FLIGHT REACTION see **ESCAPE REACTION**

FLOCCULATION see under **PRECIPITATION**

FLOCTAFENINE see under **ANTHRANILIC ACIDS**

FLOOR OF MOUTH see **MOUTH FLOOR**

FLOORS AND FLOORCOVERINGS see under **FACILITY DESIGN AND CONSTRUCTION**

FLOPPY MITRAL VALVE see **MITRAL VALVE PROLAPSE**

FLORIMYCIN see **VIOMYCINS**

FLOUR

Nutritional aspects of bread and flour. Report of the Panel on Bread, Flour and other Cereal Products, Committee on Medical Aspects of Food Policy. **Rep Health Soc Subj (Lond)** 1981;23:i-x, 1–64

Allergen-specific histamine release from whole blood in flour-sensitive bakers. Thiel H, et al. **Respiration** 1982 May–Jun;43(3):208–20

[The value of immunological and inhalation challenge tests in the diagnosis of occupational flour allergies of the respiratory system (author's transl)] Kentner M, et al. **Prax Klin Pneumol** 1982 Apr;36(4):183–9 (Eng. Abstr.) **(Ger)**

[Obtaining flour and a protein concentrate from seeds of the Helianthus annuus (sunflower) and its addition in cookies] Bourges H, et al. **Arch Latinoam Nutr** 1980 Dec; 30(4):564–79 (Eng. Abstr.) **(Spa)**

[Biological evaluation of morro and jicaro (Crescentia alata) flours prepared by ensilaging and/or dehydration] Gómez-Brenes RA, et al. **Arch Latinoam Nutr** 1980 Dec; 30(4):517–38 (Eng. Abstr.) **(Spa)**

ADVERSE EFFECTS

[Specific desensitization treatment of children with food hypersensitivity by the sublingual method] Potemkina AM, et al. **Pediatriia** 1982 Feb;(2):38–40 **(Rus)**

ANALYSIS

Immunoglobulin E antibodies to ingested cereal flour components: studies with sera from subjects with asthma and eczema. Sutton R, et al. **Clin Allergy** 1982 Jan; 12(1):63–74

Ethylene dibromide residues in biscuits and commercial flour. Rains DM, et al. **J Assoc Off Anal Chem** 1981 Sep; 64(5):1252–4

[Changes in the biological protein value of wheat grain caused by manufacture into flour and gluten] Horvatić M, et al. **Nahrung** 1981;25(3):249–53 (Eng. Abstr.) **(Ger)**

[Cassia aphylla flour. Study of its chemical composition and the biological quality of its proteins] de Mucciarelli SI, et al. **Arch Latinoam Nutr** 1981 Jun;31(2):324–36 (Eng. Abstr.) **(Spa)**

TOXICITY

Immunological alterations in rats fed with flour from the palmyrah palm (Borassus flabellifer L). Arseculeratne SN, et al. **Proc Soc Exp Biol Med** 1981 Dec;168(3):356–60

FLOW CYTOMETRY

Flow cytometry analysis of T lymphocytes in sarcoidosis. Pacheco Y, et al. **Am J Med** 1982 Jul;73(1):82–8

Quantitative DNA determinations by image analysis. I. Application to human pulmonary cytology. Pak HY, et al. **Anal Quant Cytol** 1982 Jun;4(2):95–104

Flow cytometric analysis of DNA content of bone marrow cells in patients with plasma cell myeloma: clinical implications. Bunn PA Jr, et al. **Blood** 1982 Mar; 59(3):528–35

DNA flow cytometry on human epidermis. The effect of serial biopsy sampling at various times. Frentz G, et al. **Br J Dermatol** 1982 Jul;107(1):7–14

Flow cytometry of low stage bladder tumors: correlation with cytologic and cystoscopic diagnosis. Devonec M, et al. **Cancer** 1982 Jan 1;49(1):109–18

Clonogenicity of multiple populations of human glioma cells in vitro sorted by DNA content. Hoshino T, et al. **Cancer** 1982 Sep 1;50(5):997–1002

An evaluation of automated flow cytometry (FCM) in detection of carcinoma in situ of the urinary bladder. Klein FA, et al. **Cancer** 1982 Sep 1;50(5):1003–8

Interaction of rhodamine 123 with living cells studied by flow cytometry. Darzynkiewicz Z, et al. **Cancer Res** 1982 Mar;42(3):799–806

Characterization of bladder papilloma by two-parameter DNA–RNA flow cytometry. Klein FA, et al. **Cancer Res** 1982 Mar;42(3):1094–7

Simultaneous analysis of DNA and cell surface immunoglobulin in human B-cell lymphomas by flow cytometry. Kruth HS, et al. **Cancer Res** 1981 Dec;41(12 Pt 1):4895–9

Multiparameter flow cytometry. Part II. application in hematology. Andreeff M, et al. **Clin Bull** 1981;11(3):120–30

Multiparameter flow cytometry. Part I: application in analysis of the cell cycle. Darzynkiewicz Z, et al. **Clin Bull** 1981; 11(2):47–57

Application of the estimation of normal distributions from truncated samples to the analysis of flow microfluorometry histograms. Li CH, et al. **Comput Biomed Res** 1982 Jun; 15(3):262–71

VIII Conference on Analytical Cytology and Cytometry. Wentworth-by-the-Sea, New Hampshire, May 19–25, 1981. Abstracts. **Cytometry** 1981 Sep;2(2):85–141

The application of flow cytometry for the quantification of the response of experimental tumors to irradiation. Beck HP, et al. **Cytometry** 1981 Jul;2(1):44–6

The effect of abnormal cell proportion on specimen classifier performance. Castleman KR, et al. **Cytometry** 1981 Nov; 2(3):155–8

Analytical cytometric approaches to heterogeneous cell populations in solid tumors: a review. Dethlefsen LA, et al. **Cytometry** 1980 Sep;1(2):89–108 (55 ref.)

A model for the computer analysis of synchronous DNA distributions obtained by flow cytometry. Fox MH. **Cytometry** 1980 Jul;1(1):71–7

An optical model for fluorescence of mammalian sperm in flow cytometry. Kerker M, et al. **Cytometry** 1980 Sep; 1(2):161–7

Clinical application of flow cytometry: a review. Laerum OD, et al. **Cytometry** 1981 Jul;2(1):1–13 (222 ref.)

Simultaneous quantitation of Hoechst 33342 and immunofluorescence on viable cells using a fluorescence activated cell sorter. Loken MR. **Cytometry** 1980 Sep; 1(2):136–42

Flow cytogenetic studies in chromosomes and whole cells for the detection of clastogenic effects. Otto FJ, et al. **Cytometry** 1980 Jul;1(1):13–7

Solid KHT tumor dispersal for flow cytometric cell kinetic analysis. Pallavicini MG, et al. **Cytometry** 1981 Sep; 2(2):54–8

Modular computer programs for flow cytometry and sorting: the LACEL system. Salzman GC, et al. **Cytometry** 1981 Mar;1(5):325–36

Mathematical evaluation of two parameter flow cytometric histograms. Scholz KU. **Cytometry** 1981 Nov;2(3):159–64

Flow cytometric probes of early events in cell activation. Shapiro HM. **Cytometry** 1981 Mar;1(5):301–12 (70 ref.)

Evaluation of the S phase distribution of flow cytometric DNA histograms by autoradiography and computer algorithms. Sheck LE, et al. **Cytometry** 1980 Sep; 1(2):109–17

Bacterial growth studied by flow cytometry. Steen HB, et al. **Cytometry** 1980 Jul;1(1):32–6

Quantitation of cell concentration using the flow cytometer. Stewart CC, et al. **Cytometry** 1982 Jan;2(4):238–43

A parameter for the distribution of fluorophores in cells derived from measurements of inner filter effect and reabsorption phenomenon. Tanke HJ, et al. **Cytometry** 1982 May;2(6):359–69

Enzyme kinetic studies in cell populations using fluorogenic substrates and flow cytometric techniques. Watson JV. **Cytometry** 1980 Sep;1(2):143–51

Caution on the use of lymphocytes as standards in the flow cytometric analysis of cultured cells. Wolley RC, et al. **Cytometry** 1982 May;2(6):370–3

Cellular DNA content in normal human thyroid: a flow cytometric study based on frozen biopsy material. Tangen KO, et al. **Diagn Histopathol** 1981 Oct–Dec;4(4):343–8

Isolation of autofluorescent 'aged' human fibroblasts by flow sorting. Morphology, enzyme activity and proliferative capacity. Jongkind JF, et al. **Exp Cell Res** 1982 Apr; 138(2):409–17

Tumor-associated surface membrane antigens on CFUs: characterization using the fluorescent activated cell sorter. Hasthorpe S, et al **Exp Hematol** 1982 Jan;10(1):9–19

Regional gene mapping of human chromosomes purified by flow sorting. Carrano AV, et al. **Hamatol Bluttransfus** 1981; 26:156–9

A reliable preparation of mon-dispersed chromosome suspensions for flow cytometry. Stoehr M, et al. **Histochemistry** 1982;74(1):57–61

Separation and characterization of two component tumor lines within the AKR lymphoma, AKTB-1, by fluorescence-activated cell sorting and flow microfluorometry analysis. II. Differential histopathology of sIg+ and sIg- sublines. Mathieson BJ, et al. **J Immunol** 1982 Apr;128(4):1832–8

Determination of surface antigens on highly purified human NK cells by flow cytometry with monoclonal antibodies. Ortaldo JR, et al. **J Immunol** 1981 Dec;127(6):2401–9

Fluorescence analysis and anatomic distribution of mouse T lymphocyte subsets defined by monoclonal antibodies to the antigens Thy-1, Lyt-1, Lyt-2, and T-200. van Ewijk W, et al. **J Immunol** 1981 Dec;127(6):2594–604

Cell sorter immunofluorescence detection of human erythrocytes labelled in suspension with antibodies specific for hemoglobin S and C. Bigbee WL, et al. **J Immunol Methods** 1981;45(2):117–27

Monocyte purification with counterflow centrifugation monitored by continuous flow cytometry. De Mulder PH, et al. **J Immunol Methods** 1981;47(1):31–8

Lymphocyte sorting on albuminated CIBA blue dextran–staphylococcal protein A–conjugated sepharose 6MB affinity columns. Duffey PS, et al. **J Immunol Methods** 1981;45(2):137–51

Paraformaldehyde fixation of hematopoietic cells for quantitative flow cytometry (FACS) analysis. Lanier LL, et al. **J Immunol Methods** 1981;47(1):25–30

Flow cytometry as an analytical and preparative tool in immunology. Loken MR, et al. **J Immunol Methods** 1982; 50(3):R85–112 (52 ref.)

Enrichment of epidermal Langerhans cells: studies with a monolayer technique and flow cytometry sorting. Scheynius A, et al. **J Invest Dermatol** 1982 Jun;78(6):452–5

Flow cytometry followup of patients with low stage bladder tumors. Klein FA, et al. **J Urol** 1982 Jul;128(1):88–92

Flow cytometry of normal and nonneoplastic diseases of the bladder: an estimate of the false positive rate. Klein FA, et al. **J Urol** 1982 May;127(5):946–8

A flow cytometric deoxyribonucleic acid analysis of papillary thyroid carcinoma. Johannessen JV, et al. **Lab Invest** 1981 Oct;45(4):336–41

Promotive and inhibitory effects of macrophages on the mitogen-induced blastogenesis of lymphocytes: a flow-cytometric study. Steen HB, et al. **Scand J Immunol** 1981;14(1):39–46

Improved application of impulse cytophotometry for the diagnosis of urinary bladder carcinoma. Schwabe HW, et al. **Urol Res** 1982;10(2):61–6

[Quantitation of histocompatibility antigens on rat lymphocytes by flow cytometry (author's transl)] Hansen E. **Blut** 1982 Mar;44(3):141–50 (Eng. Abstr.) **(Ger)**

[Impulse cytophotometry in acute leukemias] Lutz D. **Folia Haematol (Leipz)** 1981;108(2):173–8 **(Ger)**

[Cytophotometry and proliferation kinetics of exposed and precancerous transformed skin] Tschahargane C. **Norm Pathol Anat (Stuttg)** 1981;42:1–104 **(Ger)**

[Application of microfluorometry to cardiovascular surgery. I. Evaluation of the viability of myocardium by microfluorometry (author's transl)] Chiba Y. **Nippon Geka Hokan** 1982 Mar 1;51(2):307–14 (Eng. Abstr.) **(Jpn)**

[A study on proliferation kinetics of human leukemic blast cells and application in treatment of acute non-lymphocytic leukemia by the use of flow cytometry (author's transl)] Tsubaki K, et al. **Rinsho Ketsueki** 1981 Dec;22(12):1916–22 (Eng. Abstr.) **(Jpn)**

[Information value of light scattering parameters in cell study (a review of the literature)] Bezrukova AG, et al. **Tsitologiia** 1982 May;24(5):507–21 (135 ref.) (Eng. Abstr.) **(Rus)**

INSTRUMENTATION

A multichannel method for the analysis of DNA content distribution using flow cytometric data. Takahashi M. **Comput Biomed Res** 1981 Dec;14(6):506–17

A dual laser flow sorter utilizing a CW pumped dye laser. Arndt-Jovin DJ, et al. **Cytometry** 1980 Sep;1(2):127–35

Calibration of flow cytometry detector systems. Durand RE. **Cytometry** 1981 Nov;2(3):192–3

Enhanced light collection in a flow cytometer. Fox MH, et al. **Cytometry** 1980 Jul;1(1):21–5

Modular electronics for flow cytometry and sorting: the LACEL system. Hiebert RD, et al. **Cytometry** 1981 Mar; 1(5):337–41

A microsample collection device for electrostatically sorted cells or particles and its preparative use for biochemical analysis. Hinson WG, et al. **Cytometry** 1982 May;2(6):390–4

Flow cytometric electronic direct current volume and radiofrequency impedance measurements of single cells and particles. Hoffman RA, et al. **Cytometry** 1981 May; 1(6):377–84

A fluorescence polarization flow cytometer. Keene JP, et al. **Cytometry** 1980 Sep;1(2):118–26

Flexible sorting decision and droplet charging control electronic circuitry for flow cytometer–cell sorters. McCutcheon MJ, et al. **Cytometry** 1982 Jan;2(4):219–25

A flow system for partial automation of plating efficiency tests. Macevicz S, et al. **Cytometry** 1981 Mar;1(5):346–50

Selection of optical filters for laser flow cytometry using fluorescent conjugates. Martin CL, et al. **Cytometry** 1982 May;2(6):374–82

Evaluation of selected aerosol-control measures on flow sorters. Merrill JT. **Cytometry** 1981 Mar;1(5):342–5

Multi-parameter, computer controlled operation of a FACS II cell sorter. Peters DC, et al. **Cytometry** 1982 Mar; 2(5):350–2

Further developments of a microscope-based flow cytometer: light scatter detection and excitation intensity compensation. Steen HB. **Cytometry** 1980 Jul;1(1):26–31

Signal processing electronics for multiple electronic and optical measurements on cells. Steinkamp JA, et al. **Cytometry** 1982 Jan;2(4):232–7

Three-color fluorescence measurements on single cells excited at three laser wavelengths. Steinkamp JA, et al. **Cytometry** 1982 Jan;2(4):226–31

Flow cytometric analysis of cellular endogenous fluorescence simultaneously with emission from exogenous fluorochromes, light scatter and absorption. Thorell B. **Cytometry** 1981 Jul;2(1):39–43

Dual laser beam focussing for flow cytometry through a single crossed cylindrical lens pair. Watson JV. **Cytometry** 1981 Jul;2(1):14–9

A two-station multidimensional slit-scan flow system: concept and optical implementation. Kay DB, et al. **IEEE Trans Biomed Eng** 1982 Feb;29(2):106–11

[Application of Hemalog D to the FAB classification of acute leukemias (author's transl)] Hirasawa Y, et al. **Rinsho Ketsueki** 1982 Jan;23(1):27–32 (Eng. Abstr.) **(Jpn)**

METHODS

The diagnostic value of flow cytometric DNA measurements in selected disorders of the human thyroid. Johannessen JV, et al. **Am J Clin Pathol** 1982 Jan;77(1):20–5

Isolation of type II pneumocytes by laser flow cytometry. Leary JF, et al. **Am Rev Respir Dis** 1982 Mar;125(3):326–30

Flow cytometry analysis of lung cells from normal and acid-treated rabbits. Shellito J, et al. **Am Rev Respir Dis** 1981 Sep;124(3):333–6

Principles of fluorescence polarization measurements. Beisker W, et al. **Anal Quant Cytol** 1981 Dec;3(4):315–22

Alteration of blood cells and microaggregate formation during storage monitored by laser flow cytometry. Eisert RM, et al. **Anal Quant Cytol** 1981 Dec;3(4):309–14

Prescreening of cervical smears using two-parameter flow cytometry. Cytologic identification of artifacts. Gieseking F, et al. **Anal Quant Cytol** 1981 Dec;3(4):299–304

Kinetics of virus adsorption to single cells using fluorescent membrane probes and multiparameter flow cytometry. Leary JF, et al. **Cell Biophys** 1982 Mar;4(1):63–76

Error analysis in flow microfluorometry. Nedelman J. **Cell Biophys** 1982 Mar;4(1):1–14

A comparison of mathematical methods for the analysis of DNA histograms obtained by flow cytometry. Baisch H, et al. **Cell Tissue Kinet** 1982 May;15(3):235–49

Kinetics of protein and DNA synthesis studied by mathematical modelling of flow cytometric protein and DNA histograms. Lindmo T. **Cell Tissue Kinet** 1982 Mar; 15(2):197–211

Hematology: automated white blood cell differential counting flow-analysis. Miller RE. **Clin Lab Med** 1981 Mar; 1(1):127–50

Comments on the flow cytometry analysis program of J. Fried and M. Mandel. Powsner ER. **Comput Programs Biomed** 1981 Sep–Dec;13(3–4):291–2

Quantification of mammalian sperm morphology by slit-scan flow cytometry. Benaron DA, et al. **Cytometry** 1982 Mar; 2(5):344–9

Cell cycle analysis by combining the 5-bromodeoxyuridine/33258 Hoechst technique with DNA-specific ethidium bromide staining. Böhmer RM, et al. **Cytometry** 1981 Jul;2(1):31–4

Correlated analysis of cellular DNA, membrane antigens and light scatter of human lymphoid cells. Braylan RC, et al. **Cytometry** 1982 Mar;2(5):337–43

Rapid isolation of cloned isotype switch variants using fluorescence activated cell sorting. Dangl JL, et al. **Cytometry** 1982 May;2(6):395–401

New cell cycle compartments identified by multiparameter flow cytometry. Darzynkiewicz Z, et al. **Cytometry** 1980 Sep;1(2):98–108

An immunofluorescence method for monitoring DNA synthesis by flow cytometry. Gratzner HG, et al. **Cytometry** 1981 May;1(6):385–93

The look-up table: a classifier for cell sorters. Koper GJ, et al. **Cytometry** 1981 May;1(6):394–6

The look-up table: a logarithmic converter for cell sorters. Koper GJ, et al. **Cytometry** 1981 Nov;2(3):194–7

Measurements of the distribution of time intervals between cell passages in flow cytometry as a method for the evaluation of sample preparation procedures. Lindmo T, et al. **Cytometry** 1981 Nov;2(3):151–4

The fluorescence intensity of propidium iodide bound to DNA depends on the concentration of sodium chloride. Martens AC, et al. **Cytometry** 1981 Jul;2(1):24–5

Analysis of chromosomes from human peripheral lymphocytes by flow cytometry. Matsson P, et al. **Cytometry** 1981 May;1(6):369–72

Collodion membrane secures cells sorted by flow cytofluorometry onto microscope slides. Meck RA, et al. **Cytometry** 1980 Jul;1(1):84–6

Measurement of DNA synthesis by flow cytometry. Noguchi PD, et al. **Cytometry** 1981 May;1(6):390–3

Flow cytometric estimation of DNA and RNA content in intact cells stained with Hoechst 33342 and pyronin Y. Shapiro HM. **Cytometry** 1981 Nov;2(3):143–50

Applications of flow cytometry on bacteria: cell cycle kinetics, drug effects, and quantitation of antibody binding. Steen HB, et al. **Cytometry** 1982 Jan;2(4):249–57

Analysis of phytoplankton by flow cytometry. Trask BJ, et

al. **Cytometry** 1982 Jan;2(4):258–64
Data acquisition and control system for multiparameter cell sorting based on DEC LSI–11 microprocessor. Voet L, et al. **Cytometry** 1982 May;2(6):383–9
Rate of DNA synthesis determined by flow cytometry using the BrdUrd/Hoechst technique in combination with propidium–iodide staining. Ellwart J, et al. **Exp Cell Res** 1982 May;139(1):111–5
Intercellular adhesion in butyrate–treated HeLa S3 cultures. Flow cytometric analysis. Frankfurt OS. **Exp Cell Res** 1982 Jun;139(2):257–63
Flow cytometry of mouse bone marrow cells cultured in vivo or in vitro. Benestad HB, et al. **Exp Hematol** 1982 Apr;10(4):343–51
Restoration of profiles from slit–scan flow cytometry. Norgren RM, et al. **IEEE Trans Biomed Eng** 1982 Feb; 29(2):101–6
Immunofluorescent analysis of blood cells by flow cytometry. Hoffman RA, et al. **Int J Immunopharmacol** 1981; 3(3):249–54
Sensitive three–parameter flow–cytometric detection of abnormal cells in human cervical cancers: a pilot study. Valet G, et al. **J Cancer Res Clin Oncol** 1981;102(2):177–84
Multiparameter flow cytometric analysis of lymphocyte subpopulation activation in lectin–stimulated cultures. Williams JM, et al. **J Immunol** 1982 Jun;128(6):2676–81
Usage of the flow cytometer–cell sorter. Miller RG, et al. **J Immunol Methods** 1981;47(1):13–24 (41 ref.)
Evaluation of a microfluorometer in immunofluorescence assays of individual spores of Bacillus anthracis and Bacillus cereus. Phillips AP, et al. **J Immunol Methods** 1982 Mar 26;49(3):271–82
DNA measurements by single nuclei flow cytometry in human actinic skin lesions. Frentz G, et al. **J Invest Dermatol** 1981 Dec;77(6):431–3
Determination of intracellular pH changes in lymphocytes with 4–methylumbelliferone by flow microfluorometry. Gerson DF. **KROC Found Ser** 1981;15:125–33
Cloning of a representative genomic library of the human X chromosome after sorting by flow cytometry. Davies KE, et al. **Nature** 1981 Oct 1;293(5831):374–6
Flow cytometric analysis of cellular saxitoxin in the dinoflagellate Gonyaulax tamarensis var. excavata. Yentsch CM. **Toxicon** 1981;19(5):611–21
[Cytophotometry, combined with other methods of interference microscopy] **Acta Histochem [Suppl] (Jena)** 1982;26:71–144 **(Ger)**
[Fluorescence cytophotometry] **Acta Histochem [Suppl] (Jena)** 1982;26:179–231 **(Ger)**
[Cytophotometry – absorption methods] **Acta Histochem [Suppl] (Jena)** 1982;26:15–70 **(Ger)**
[Flow cytometry] **Acta Histochem [Suppl] (Jena)** 1982; 26:233–53 **(Ger)**
[Pepsin pretreatment of human semen as a standard procedure for flow cytometry] Hartmann W, et al. **Andrologia** 1982 Mar–Apr;14(2):135–42 (Eng. Abstr.) **(Ger)**
[Recent development for the application of fluorescence spectroscopy to cell biology: flow microfluorocytometry and fluorescence polarization (author's transl)] Fukumoto T, et al. **Iyodenshi To Seitai Kogaku** 1981 Apr;19(2):79–93 **(Jpn)**
[Flow cytometry—advantages and disadvantages of the method] Olszewski W. **Patol Pol** 1981;32(2):145–60 **(Pol)**

FLOWMETERS

Calibration of a Floscope peak flow meter and a Vitalography pulmonary monitor. Fisher J, et al. **Anaesthesia** 1981 Sep;36(9):886–8
A potential hazard of oxygen flowmeters [letter] Linton RA, et al. **Anaesthesia** 1982 May;37(5):606–7
Accuracy in coronary graft flow measurement. Moran JM, et al. **Ann Thorac Surg** 1981 Nov;32(5):506–9
Comparison of Eustachian tube function measured by the microflow method and a new quantitative impedance method. Groth P, et al. **Aviat Space Environ Med** 1981 Sep;52(9):540–4
Atracurium in anaesthetized man [letter] Rendell–Baker L. **Br J Anaesth** 1981 Dec;53(12):1366–7
Leak tests [letter] Wilson ME, et al. **Br J Anaesth** 1982 May; 54(5):572
Non–invasive investigation of vascular compression in patients with thoracic outlet syndrome. Sällström J, et al. **Clin Physiol** 1982 Apr;2(2):117–25
Continuous registration of blood velocity and cardiac output with a hot–film anemometer probe, mounted on a Swan–Ganz thermodilution catheter. Paulsen PK, et al. **Eur Surg Res** 1981;13(5):376–86
Simultaneous measurement of liquid velocity and oxygen tension with catheter–tip electrodes—the dual cathode polarographic method. Kim TJ, et al. **IEEE Trans Biomed Eng** 1981 Apr;28(4):342–8
Ultrasound Doppler and echo combined as a noninvasive blood flowmeter. Histand MB, et al. **ISA Trans** 1982; 21(2):53–7
Pneumotachograph calibration for inspiratory and expiratory flows during HeO2 breathing. Muller NL, et al. **J Appl Physiol** 1981 Oct;51(4):1038–41
Breath–by–breath VCO2 and VO2 required compensation for transport delay and dynamic response. Noguchi H, et al. **J Appl Physiol** 1982 Jan;52(1):79–84
A simply constructed system for mean blood flow measurement. Challis RE, et al. **J Biomed Eng** 1982 Apr; 4(2):153–4
A uroflowmeter for monitoring frequency and volume of urination. Kuhlemeier KV, et al. **J Med Eng Technol** 1981 Jul;5(4):192–3
Doppler ultrasound flowmeter in evaluation of tracheobronchial compression. Frenkiel S, et al. **J Otolaryngol** 1981 Oct;10(5):401–2
A microcomputer–based drop counter. Lee J, et al. **J Pharmacol Methods** 1981 Nov;6(3):255–60
Quantitative assessment of low blood flow using an electromagnetic flowmeter. Nigra CA, et al. **J Surg Res** 1981 Sep;31(3):201–9
An offive method for calibrating a uroflowmeter. Ryall RL, et al. **J Urol** 1982 Mar;127(3):482–3
Postoperative assessment of arterial reconstructive surgery using Doppler flow detection. Koyano K, et al. **Jpn J Surg** 1981;11(4):238–44
Ultrasonic flow wave pattern as a prognostic indicator in peripheral arterial reconstruction. Kusaba A, et al. **Jpn J Surg** 1981;11(4):232–7
Noninvasive flowmetry in vascular surgery: use of a noninvasive electromagnetic flowmeter. Lee BY, et al. **Jpn J Surg** 1981;11(4):219–25
Measurement of point velocity in the canine coronary artery by laser Doppler velocimeter with optical fiber. Tomonaga G, et al. **Jpn J Surg** 1981;11(4):226–31
High–sensitivity optical lymph flow–meter. Sorensen O, et al. **Lymphology** 1982 Mar;15(1):29–31
Integrated–circuit bipolar transistor array for fluid–velocity measurements. Kuklinski WS, et al. **Med Biol Eng Comput** 1981 Sep;19(5):662–4
The NMR blood flowmeter—design. Halbach RE, et al. **Med Phys** 1981 Jul–Aug;8(4):444–51
The NMR blood flowmeter—applications. Salles–Cunha SX, et al. **Med Phys** 1981 Jul–Aug;8(4):452–8
Effect of blood vessels on electromagnetic flowmeter sensitivity. O'Sullivan VT. **Phys Med Biol** 1982 Feb; 27(2):277–84
Electromagnetic blood flowmetry [letter] Nigra CA. **Plast Reconstr Surg** 1981 Oct;68(4):647
A Wright peak flow meter in practice. McGuinness BW. **Practitioner** 1982 Jan;226(1363):21
Evaluation of cross–circulation through circle of Willis using an ultrasonic Doppler technique. Part II. Comparison between blood flow velocity by ultrasonic Doppler flowmetry and cerebrovascular resistance. Yoneda S, et al. **Stroke** 1981 Jul–Aug;12(4):484–8
Evaluation of cross–circulation through circle of Willis using an ultrasonic Doppler technique. Part I. Comparison between blood flow velocity by ultrasonic Doppler flowmetry and angiogram. Yoneda S, et al. **Stroke** 1981 Jul–Aug;12(4):478–84
Cortical blood flow during craniotomy for aneurysms. Carter LP, et al. **Surg Neurol** 1982 Mar;17(3):204–8
A proposed standard target for ultrasound Doppler gain calibration. Newhouse VL, et al. **Ultrasound Med Biol** 1982; 8(3):313–6
The peakometer: an evaluation. Ball AJ. **Urol Int** 1982; 37(1):42–4
[Evaluation of blood flow using a reservoir flowmeter of several types of arteriovenous fistulas in chronic hemodialysis treatment] Simoni G, et al. **Boll Soc Ital Biol Sper** 1981 Jun 30;57(12):1287–92 (Eng. Abstr.) **(Ita)**
[Improvement of microvascular blood flowmetry by the intravital microscope–television system :Introduction of one–bit correlator (author's transl)] Sato M, et al. **Iyodenshi To Seitai Kogaku** 1981 Feb;19(1):45–8 (Eng. Abstr.) **(Jpn)**
[Electromagnetic flowmetry in open heart surgery (author's transl)] Tsuji T. **Iyodenshi To Seitai Kogaku** 1981 Dec; 19(7):533–9 (18 ref.) **(Jpn)**
[Methods of dynamic calibration of electromagnetic flowmeters] Meshcherskii EL, et al. **Biull Eksp Biol Med** 1981 Jul;92(7):122–4 **(Rus)**
[Use of electromagnetic flowmetering in cardiovascular surgery] Zaretskii VV, et al. **Khirurgiia (Mosk)** 1982 Apr; (4):102–6 **(Rus)**
[Ultrasonic flowmeter studies at hemodynamics in the ophthalmic artery basin] Fridman FE, et al. **Vestn Oftalmol** 1982 Jan–Feb;(1):50–2 (Eng. Abstr.) **(Rus)**

HISTORY

The NMR blood flowmeter—theory and history. Battocletti JH, et al. **Med Phys** 1981 Jul–Aug;8(4):435–43 (34 ref.)

STANDARDS

An assessment of three portable peak flow meters. Eichenhorn MS, et al. **Chest** 1982 Sep;82(3):306–9
The accuracy of peak expiratory flow meters [editorial] van As A. **Chest** 1982 Sep;82(3):263

FLOXACILLIN see under **CLOXACILLIN**

FLOXURIDINE see **FLUORODEOXYURIDINE**

FLUBENISOLONE see **BETAMETHASONE**

FLUCLORONIDE see under **PREGNADIENETRIOLS**

FLUCYTOSINE see under **CYTOSINE**

FLUDROCORTISONE

ADVERSE EFFECTS

[Arterial hypertension with excessive mineraloactive hormone activity caused by overuse of a nasal spray containing fluorohydrocortisone] Casellato F, et al. **G Ital Cardiol** 1981;11(7):1014–8 **(Ita)**

ANALOGS & DERIVATIVES

Escape from mineralocorticoid excess: the role of angiotensin II. Biollaz J, et al. **J Clin Endocrinol Metab** 1982 Jun; 54(6):1187–93

PHARMACODYNAMICS

Effect of prostaglandin inhibition on the hypertensive action of sodium–retaining steroids. Martin K, et al. **Hypertension** 1981 Sep–Oct;3(5):622–8
Glucocorticoid and mineralocorticoid effects on adrenocorticotropin and beta–endorphin in the adrenalectomized rat. Lim AT, et al. **J Clin Invest** 1982 May;69(5):1191–8
Effects of restriction of sodium or administration of fludrocortisone on parotid salivary kallikrein in man. Horwitz D, et al. **J Lab Clin Med** 1982 Jul;100(1):146–54

THERAPEUTIC USE

Postural hypotension and its management. Hawkins S, et al. **Practitioner** 1982 Mar;226(1365):420–2, 424, 426 (47 ref.)
The treatment of idiopathic orthostatic hypotension: a combined fludrocortisone and flurbiprofen regime. Watt SJ, et al. **Q J Med** 1981 Spring;50(198):205–12

FLUFENAMIC ACID

ANALOGS & DERIVATIVES

Etofenamate fatty acid asters. An example of a new route of drug metabolism. Dell HD, et al. **Drug Metab Dispos** 1982 Jan–Feb;10(1):55–60
The bioavailability of flufenamic acid from aluminum flufenamate tablet and flufenamic acid capsule, and the influence of food and aluminum hydroxide gel. Kaniwa N, et al. **J Pharmacobiodyn** 1982 Mar;5(3):187–92
[Ether cleavage, a side route of etofenamate metabolism in animals (author's transl)] Dell HD, et al. **Arch Pharm (Weinheim)** 1982 May;315(5):416–22 (Eng. Abstr.) **(Ger)**
[Synthesis and properties of nuclear hydroxylated derivatives of flufenamic acid and etofenamate (author's transl)] Boltze KH, et al. **Arzneimittelforsch** 1982;32(3):183–6 (Eng. Abstr.) **(Ger)**
[Percutaneous therapy of soft tissue rheumatic diseases. Clinical trials of the non–steroid anti–phlogistic agent Rheumon gel] Podzich M. **ZFA (Stuttgart)** 1982 Jun 10; 58(16):921–4 **(Ger)**

BLOOD

Inhibition of anion transport in the red blood cell by anionic amphiphilic compounds. I. Determination of the flufenamate–binding site by proteolytic dissection of the band 3 protein. Cousin JL, et al. **Biochim Biophys Acta** 1982 May 7;687(2):147–55
Inhibition of anion transport in the red blood cell by anionic amphiphilic compounds. II. Chemical properties of the flufenamate–binding site on the band 3 protein. Cousin JL, et al. **Biochim Biophys Acta** 1982 May 7;687(2):156–64

METABOLISM

The bioavailability of flufenamic acid from aluminum flufenamate tablet and flufenamic acid capsule, and the influence of food and aluminum hydroxide gel. Kaniwa N, et al. **J Pharmacobiodyn** 1982 Mar;5(3):187–92

PHARMACODYNAMICS

A morphological study of the effects of indomethacin, flufenamate, salicylate and calcium ions on rabbit peritoneal neutrophil polymorphs. Northover AM. **Br J Exp Pathol** 1981 Aug;62(4):375–82

FLUFENAZIN see **FLUPHENAZINE**

FLUID BALANCE see **WATER–ELECTROLYTE BALANCE**

FLUID THERAPY

The effects of high dose methylprednisolone or fluid volume expansion on cerebral haemodynamics and oxygen uptake in endotoxic shock. An experimental study in dogs. Ekström–Jodal B, et al. **Acta Anaesthesiol Scand** 1982 Jun; 26(3):175–9
Albumin treatment following major surgery. II. Effects on postoperative lung function and circulatory adaptation. Zetterström H. **Acta Anaesthesiol Scand** 1981 Apr; 25(2):133–41
Albumin treatment following major surgery. I. Effects on plasma oncotic pressure, renal function and peripheral

oedema. Zetterström H, et al. **Acta Anaesthesiol Scand** 1981 Apr;25(2):125–32
Parenteral application of fluids and nutrients to severely burned patients in the balance study. Petrásek J, et al. **Acta Univ Carol [Med] (Praha)** 1980;26(3–4):161–86
The effect of pH of resuscitative fluids in treatment of severe hemorrhagic shock. McGovern PJ Jr, et al. **Adv Shock Res** 1981;5:133–41
The effect of intravenous fluid administration on the cardiopulmonary sequelae of burn wound sepsis. Traber DL, et al. **Adv Shock Res** 1980;4:27–32
From pedialyte to popsicles: a look at oral rehydration therapy used in the United States and Canada. Snyder JD. **Am J Clin Nutr** 1982 Jan;35(1):157–61
Hyperdynamic severe intravascular sepsis depends on fluid administration in cynomolgus monkey. Carroll GC, et al. **Am J Physiol** 1982 Jul;243(1):R131–41
Oral rehydration and social change: the control of diarrheal diseases in the third world [editorial] Yankauer A. **Am J Public Health** 1982 Oct;72(10):1105–6
The ICP/CBF effects of volume loading during PEEP administration [letter] Drummond JC, et al. **Anesthesiology** 1982 Jul;57(1):62–4
Estimation of postoperative fluid requirements in infants and children. Filston HC, et al. **Ann Surg** 1982 Jul;196(1):76–81
Oral solutions for gastroenteritis—optimal glucose concentration. Kjellman B, et al. **Arch Dis Child** 1982 Apr; 57(4):313–5
Oral rehydration in acute infantile diarrhoea with a glucose-polymer electrolyte solution. Sandhu BK, et al. **Arch Dis Child** 1982 Feb;57(2):152–4
Protein vs electrolytes and all of the Starling forces. Peters RM, et al. **Arch Surg** 1981 Oct;116(10):1293–8
The influence of high and low sodium intakes on post-operative antidiuresis. Tindall SF, et al. **Br J Surg** 1981 Sep;68(9):639–44
Etiology of childhood diarrhea and oral rehydration therapy in northeastern Brazil. McLean M, et al. **Bull Pan Am Health Organ** 1981;15(4):318–25
Inappropriate secretion of antidiuretic hormone: correction of hyponatremia by expansion of intravascular fluid volume. Bear RA, et al. **Can Med Assoc J** 1982 Feb 1; 126(3):275–6
Fluid, electrolyte, and glucose maintenance in the very low birth weight infant. Baumgart S, et al. **Clin Pediatr (Phila)** 1982 Apr;21(4):199–206
Colloid osmotic pressure and fluid resuscitation with hetastarch, albumin, and saline solutions. Haupt MT, et al. **Crit Care Med** 1982 Mar;10(3):159–62
Treatment of acute diarrhoea with oral rehydration solution. Sack DA. **Drugs** 1982 Jan–Feb;23(1–2):150–7
Cyclic guanosine monophosphate effects on nutrient and electrolyte transport in rabbit ileum. Guandalini S, et al. **Gastroenterology** 1982 Jul;83(1 Pt 1):15–21
The solid state stability of oral rehydration salts. Izgü E, et al. **J Clin Hosp Pharm** 1981 Jun;6(2):135–44
Risk of hypernatremia with oral rehydration [letter] Sack DA, et al. **J Pediatr** 1982 Jul;101(1):154–5
Bacterial contamination of oral rehydration solutions [letter] Watkinson M. **J Pediatr** 1982 Jan;100(1):170–1
Cerebral edema following acute hemorrhage in a murine model: the role crystalloid resuscitation. Smith SD, et al. **J Trauma** 1982 Jul;22(7):588–90
Proliferation of enteropathogens in oral rehydration solutions prepared with river water from Honduras and Surinam. Black RE, et al. **J Trop Med Hyg** 1981 Oct;84(5):195–7
Comparison of simpie sugar/salt versus glucose/electrolyte oral rehydration solutions in infant diarrhoea. Clements ML, et al. **J Trop Med Hyg** 1981 Oct;84(5):189–94
Oral therapy for diarrhoea: past, present and future [editorial] Levine MM. **J Trop Med Hyg** 1981 Oct;84(5):185–7
Oral therapy for acute diarrhoea [editorial] **Lancet** 1981 Sep 19;2(8247):615–7
Rice-powder electrolyte solution as oral-therapy in diarrhoea due to Vibrio cholerae and Escherichia coli. Molla AM, et al. **Lancet** 1982 Jun 12;1(8285):1317–9
Rice powder and electrolyte solutions [letter] Nalin DR, et al. **Lancet** 1982 Jul 17;2(8290):155–6
Storing oral rehydration solution [letter] Santosham M, et al. **Lancet** 1982 Apr 3;1(8275):797
Choice of fluids for resuscitation in trauma. Mendelson JA. **Milit Med** 1981 Oct;146(10):677–81
Perioperative fluid management. Del Guercio LR. **Mt Sinai J Med (NY)** 1981 Jul–Aug;48(4):369–72
Oral rehydration for diarrhea [letter] **N Engl J Med** 1982 Oct 7;307(15):952–3
Oral rehydration therapy for diarrhea in children—a basic primer. Hirschhorn N. **Nutr Rev** 1982 Apr;40(4):97–104 (24 ref.)
Oral electrolyte solutions for infantile diarrhea [letter] Santosham M, et al. **Pediatrics** 1982 Apr;69(4):503–4
Rehydration in the treatment of severe hypercalcaemia. Hosking DJ, et al. **Q J Med** 1981 Autumn;50(200):473–81
The Jeremiah Metzger Lecture. Myths, mandarins and molecules: the cautionary tale of cholera. Carpenter CC. **Trans Am Clin Climatol Assoc** 1980;92:167–93
Oral rehydration for diarrhoeal diseases in children. Raghu MB, et al. **Trans R Soc Trop Med Hyg** 1981;75(4):552–5
Home-administered oral therapy for diarrhoea: a laboratory study of safety and efficacy. Snyder JD, et al. **Trans R Soc Trop Med Hyg** 1982;76(3):329–33
Oral replacement therapy in rural Bangladesh with home ingredients. Ellerbrock TV. **Trop Doct** 1981 Oct; 11(4):179–83
[Bioavailability of chemotherapeutics in high-volume fluid therapy] Dalhoff A, et al. **Dtsch Med Wochenschr** 1981 Dec 25;106(51–52):1754–6 **(Ger)**
[Adequate postburn infusion regime using silver nitrate-mebromid tanning in childhood (author's transl)] Jaschke W, et al. **Monatsschr Kinderheilkd** 1981 Oct; 129(10):598–601 (Eng. Abstr.) **(Ger)**
[Regulation of intravascular volume in acute myocardial infarct. Physiopathological and clinical aspects] Pinna Pintor P, et al. **Minerva Dietol Gastroenterol** 1981 Jul–Sep; 27(3):475–86 (56 ref.) **(Ita)**
[Effect of various fluids on plasma concentrations of ADH and angiotensin II during hemorrhagic hypotension in dogs (author's transl)] Tanioka F. **Masui** 1981 Jun;30(6):566–73 (Eng. Abstr.) **(Jpn)**
[Infusion therapy of hypoxic and posthypoxic states in term newborn infants] Fedorova MV, et al. **Akush Ginekol (Mosk)** 1982 Mar;(3):56–8 **(Rus)**
[Treatment of mild burn shock without the use of isogeneic protein preparations] Kozinets GP, et al. **Klin Khir** 1982 Mar;(3):25–8 **(Rus)**
[Infusion-transfusion therapy of the microcirculatory disorders and blood rheology in experimental hemorrhagic shock] Matvienko VP, et al. **Probl Gematol Pereliv Krovi** 1982 Jun;27(6):32–9 (Eng. Abstr.) **(Rus)**
[Current data on the pathogenesis of frostbite and the importance of infusion therapy in the treatment regimen in frostbite of the extremities] Murazian RI, et al. **Probl Gematol Pereliv Krovi** 1982 Jun;27(6):3–6 (Eng. Abstr.) **(Rus)**
[Blood circulation disorders in the vessels of the extremities and the role of infusion therapy in cold injury] Orlov GA. **Probl Gematol Pereliv Krovi** 1982 Jun;27(6):7–10 (Eng. Abstr.) **(Rus)**
[Infusion-transfusion therapy and the homeostatic indices of patients operated on for prostatic adenoma] Lynëv SN, et al. **Urol Nefrol (Mosk)** 1981;(5):24–9 (Eng. Abstr.) **(Rus)**
[Causes of readmission to an oral rehydration service] Posada G, et al. **Bol Med Hosp Infant Mex** 1982 Feb;39(2):93–8 (Eng. Abstr.) **(Spa)**

ADVERSE EFFECTS

Plasma volume expansion in canine pneumococcal pneumonia: its effects on respiratory gas exchange and pneumonia size. Cooligan T, et al. **Am Rev Respir Dis** 1982 Jul;126(1):86–91
Relation of colloid osmotic pressure to arterial hypoxemia and cerebral edema during crystalloid volume loading of patients with diabetic ketoacidosis. Fein IA, et al. **Ann Intern Med** 1982 May;96(5):570–5
The relationship of oral rehydration solution to hypernatremia in infantile diarrhea. Cleary TG, et al. **J Pediatr** 1981 Nov;99(5):739–41
Is 'cerebral hypontraemia' iatrogenic? Bouzarth WF, et al. **Lancet** 1982 May 8;1(8280):1061–2
Fetal and neonatal hazards of maternal hydration with 5% dextrose before caesarean section. Kenepp NB, et al. **Lancet** 1982 May 22;1(8282):1150–2
Hazards of maternal hydration with 5% dextrose [letter] Singhi S, et al. **Lancet** 1982 Aug 7;2(8293):335–6
Edema in oral rehydration. Sugijanto, et al. **Paediatr Indones** 1981 Nov–Dec;21(11–12):229–34
[Hazards and complications of infusion therapy] Usenko LV, et al. **Anesteziol Reanimatol** 1981 Sep–Oct;(5):64–8 (61 ref.) **(Rus)**

HISTORY

Sydney Ringer (1834–1910) and Alexis Hartmann (1898–1964). Lee JA. **Anaesthesia** 1981 Dec;36(12):1115–21

INSTRUMENTATION

Fluid replacement in burns. A burns calculator. Jenkinson LR. **Ann R Coll Surg Engl** 1982 Sep;64(5):336–8
A prospective trial comparing a silicone elastomer intravenous cannula (Visis) with a polytetrafluoroethylene cannula (Cathlon). Dabir R, et al. **Br J Surg** 1982 Mar; 69(3):136
Rapid volume replacement with percutaneous catheter introducer sets. Bitseff EL Jr, et al. **Surg Gynecol Obstet** 1981 Oct;153(4):582–3

METHODS

Fluid supply to burned children during the period of shock. Novák I, et al. **Acta Chir Plast (Prague)** 1981;23(3):189–96
Volume replacement in hemorrhage, shock, and burns. Monafo WW. **Adv Shock Res** 1980;3:47–56
Hypotension during epidural anaesthesia for Caesarean section. A comparison of intravenous loading with crystalloid and colloid solutions. Hallworth D, et al. **Anaesthesia** 1982 Jan;37(1):53–6
Balanced salt solution in blood loss replacement. Mattila MA. **Ann Clin Res** 1981;13 Suppl 33:18–20 (20 ref.)
Can acetate replace bicarbonate in oral rehydration solution for infantile diarrhoea? Patra FC, et al. **Arch Dis Child** 1982 Aug;57(8):625–7
Prevention of renal insufficiency after abdominal aortic aneurysm resection by optimal volume loading. Bush HL Jr, et al. **Arch Surg** 1981 Dec;116(12):1517–24
Pulmonary acid injury: effects of positive end-expiratory pressure and crystalloid vs colloid fluid resuscitation. Peitzman AB, et al. **Arch Surg** 1982 May;117(5):662–8
Individualized fluid resuscitation based on haemodynamic monitoring in the management of extensive burns. Aikawa N, et al. **Burns Incl Therm Inj** 1982 Mar;8(4):249–55
Colloids versus crystalloids for lung contusion. MacLean LD. **Can J Surg** 1982 Mar;25(2):116
The management of fluid and electrolyte disorders in the neonate. Nash MA. **Clin Perinatol** 1981 Jun;8(2):251–62
Evaluation of fluid therapy in adult respiratory failure. Appel PL, et al. **Crit Care Med** 1981 Dec;9(12):862–9
Subcutaneous infusions in the elderly. Schen RJ, et al. **J Am Geriatr Soc** 1981 Dec;29(12):583–5
Fluid therapy in the neonate—concepts in transition. Arant BS Jr. **J Pediatr** 1982 Sep;101(3):387–9
Water balance in very low-birth-weight infants: relationship to water and sodium intake and effect on outcome. Lorenz JM, et al. **J Pediatr** 1982 Sep;101(3):423–32
Hypodermoclysis revisited [letter] Gluck SM. **JAMA** 1982 Sep 17;248(11):1310–1
Oral rehydration: is it as good as parenteral therapy? [editorial] Carpenter CC. **N Engl J Med** 1982 May 6; 306(18):1103–4
Oral rehydration therapy of infantile diarrhea: a controlled study of well-nourished children hospitalized in the United States and Panama. Santosham M, et al. **N Engl J Med** 1982 May 6;306(18):1070–6
Maintenance fluids and the management of diarrheal dehydration. Boineau FG, et al. **Pediatr Ann** 1981 Aug; 10(8):280–8
1981—approach to burn therapy. Burke JF, et al. **Surg Annu** 1981;13:1–14 (28 ref.)
Physiopathology and management of hyperosmolar hyperglycemic nonketotic dehydration. Bivins BA, et al. **Surg Gynecol Obstet** 1982 Apr;154(4):534–40
Oral rehydration solution [letter] Nalin DR. **Trans R Soc Trop Med Hyg** 1982;76(2):277–8
[Infusion therapy in infants and small children] Giesen H. **Fortschr Med** 1982 Mar 18;100(11):449–52 **(Ger)**
[Rehydration with Oralyt] Dörffel J, et al. **Kinderarztl Prax** 1982 Jan;50(1):36–9 (Eng. Abstr.) **(Ger)**
[Comparative study of 3 types of hydration in patients subjected to elective surgery] Piccinato CE, et al. **AMB** 1981 Mar;27(3):83–90 (Eng. Abstr.) **(Por)**
[Role of intraportal infusions in the postoperative treatment of elderly patients with acute cholecystitis] Al'perovich BI, et al. **Sov Med** 1982;(1):29–35 (Eng. Abstr.) **(Rus)**

NURSING

Fluid and electrolyte management of the adult surgical patient. Rando JT. **AANA J** 1982 Feb;50(1):49–54

FLUKES see **TREMATODA**

FLUMETHASONE

ANALOGS & DERIVATIVES

[Effect of salicylic acid on the blanching effect of flumethasone pivalate (author's transl)] Wienert V, et al. **Arch Dermatol Res** 1981;271(1):19–27 (Eng. Abstr.) **(Ger)**

PHARMACODYNAMICS

Effect of day gestation on inductions of lambing with flumethasone. Rommereim DN, et al. **J Anim Sci** 1981 Sep; 53(3):564–6

FLUNITRAZEPAM see under **BENZODIAZEPINE TRANQUILIZERS**

FLUOCINOLONE ACETONIDE

ADMINISTRATION & DOSAGE

The effect of topical drugs on mouse ear epidermal transglutaminase activity. De Young L, et al. **J Invest Dermatol** 1982 Sep;79(3):189–93
[Effect of Butecort and Flucinar ointments on various indicators of the hormonal system. II. Effect of the tested preparations on body weight, diurnal sodium and potassium excretion and blood pressure] Kibler-Nockowska M. **Przegl Dermatol** 1981 Mar–Apr;68(2):161–6 (Eng. Abstr.) **(Pol)**
[Effect of Butecort and Flucinar ointments on various indicators of the hormonal system. I. Effect of the tested preparations on plasma 11-hydroxycorticosteroid level and absolute eosinophil count in peripheral blood] Kibler-Nockowska M. **Przegl Dermatol** 1981 Mar–Apr; 68(2):155–60 (Eng. Abstr.) **(Pol)**

ADVERSE EFFECTS

Facial erythema and telangiectasia with synalar cream. Tirlapur VG, et al. **Br J Clin Pract** 1981 Jul–Aug; 35(7–8):275–6

ANALOGS & DERIVATIVES

Concurrent administration of flunisolide nasal solution with

beclomethasone dipropionate bronchial aerosol in patients with both rhinitis and asthma. Rusnak SL. **Ann Allergy** 1981 Nov;47(5 Pt 1):320–4

Short-term double-blind evaluation of flunisolide aerosol for steroid-dependent asthmatic children and adolescents. Shapiro GG, et al. **Chest** 1981 Dec;80(6):671–5

The use of cultures and immunologic procedures to predict oropharyngeal candidiasis in patients on steroid aerosols. Spector SL, et al. **Clin Allergy** 1982 May;12(3):269–78

Efficacy of safety of concurrent use of intranasal flunisolide and oral beclomethasone aerosols in treatment of asthmatics with rhinitis. Toogood JH, et al. **Clin Allergy** 1982 Jan; 12(1):95–105

Treatment of psoriasis with amcinonide 0.1 percent and fluocinonide 0.05 percent ointments. A comparative double-blind study. Engel MF. **Cutis** 1982 Jun;29(6):646–50

Isolation and identification of an oxidatively defluorinated metabolite of flunisolide in man. Tökés L, et al. **Drug Metab Dispos** 1981 Sep–Oct;9(5):485–6

The effect of topical fluocinonide ointment on phototherapy of psoriasis. LeVine MJ, et al. **J Invest Dermatol** 1982 Feb; 78(2):157–9

Radioimmunoassay of flunisolide in human plasma. Nerenberg C, et al. **J Pharm Sci** 1981 Aug;70(8):900–4

The predominance of flunisolide in the topical use of anti-inflammatory steroids. Takai M, et al. **J Pharmacobiodyn** 1982 Mar;5(3):200–7

Flunisolide aerosol for treatment of severe, chronic asthma in steroid-independent children. Meltzer EO, et al. **Pediatrics** 1982 Mar;69(3):340–5

[Effect of Butecort and Flucinar ointments on various indicators of the hormonal system. I. Effect of the tested preparations on plasma ll-hydroxycorticosteroid level and absolute eosinophil count in peripheral blood] Kibler-Nockowska M. **Przegl Dermatol** 1981 Mar–Apr; 68(2):155–60 (Eng. Abstr.) **(Pol)**

[Effect of Butecort and Flucinar ointments on various indicators of the hormonal system. II. Effect of the tested preparations on body weight, diurnal sodium and potassium excretion and blood pressure] Kibler-Nockowska M. **Przegl Dermatol** 1981 Mar–Apr;68(2):161–6 (Eng. Abstr.) **(Pol)**

[Therapy of allergic diseases of respiratory airways with topical corticosteroids (author's transl)] Cernelč D, et al. **Plucne Bolesti Tuberk** 1981 Apr–Sep;33(2–3):114–9 (Eng. Abstr.) **(Scr)**

THERAPEUTIC USE

[Parallel double-blind comparison of bazalin and desoximetasone 0.25 in neurodermatitis] Gratacos R. **Med Cutan Iber Lat Am** 1981;9(5):383–8 (Eng. Abstr.) **(Spa)**

FLUOCINONIDE see under **FLUOCINOLONE ACETONIDE**

FLUOCORTOLONE

ANALOGS & DERIVATIVES

The protective action of fluocortin butylester (FCB) in the nasal antigen provocation test: a controlled double-blind, crossover study. Horak F, et al. **Ann Allergy** 1982 May; 48(5):305–8

Clinical data of fluocortin butylester (FCB) – a new inhalable corticoid. Chen-Walden H. **Z Erkr Atmungsorgane** 1981; 157(3):287–90

[Clinical trial of diflucortolone. Preliminary report] Hernańdez-Perez E. **Med Cutan Iber Lat Am** 1981; 9(3):229–32 (Eng. Abstr.) **(Spa)**

BLOOD

[The metabolism of hydrocortisone, prednisolone and fluocortolone (author's transl)] Gleispach H, et al. **Wien Klin Wochenschr** 1981 Nov 13;93(21):671–3 (Eng. Abstr.) **(Ger)**

THERAPEUTIC USE

Kaposi's sarcoma after steroid therapy for pemphigus foliaceus. Case report and short review of literature. Ilie B, et al. **Dermatologica** 1981;163(6):455–9

Corticosteroid induced remission of oesophageal involvement in mixed connective tissue disease. Pines A, et al. **Postgrad Med J** 1982 May;58(679):297–8

FLUOCORTOLONE CAPROATE see **FLUOCORTOLONE**

FLUOCORTOLONE PIVALATE see **FLUOCORTOLONE**

FLUON see **POLYTETRAFLUOROETHYLENE**

FLUORENES

Cigarette smoking may yield nitroarenes. McCoy EC, et al. **Cancer Lett** 1982 Jan;15(1):9–13

Formation and identification of glutathione conjugates from 2-nitrosofluorene and N-hydroxy-2-aminofluorene. Mulder GJ, et al. **Chem Biol Interact** 1982 Mar 1; 39(1):111–27

ANALYSIS

Chlorflurenol-methyl in soil: degradation, leaching, and effects on microbiological processes. Eichler D, et al. **Arch Environ Contam Toxicol** 1982;11(2):185–93

Force field conformational analysis of aminofluorene and acetylaminofluorene substituted deoxyguanosine. Lipkowitz KB, et al. **Chem Biol Interact** 1982 May; 40(1):57–76

Determination of 2,4,7-trinitro-9-fluorenone in workplace environmental samples using high-performance liquid chromatography. Seymour MJ. **J Chromatogr** 1982 Feb 19; 236(2):530–4

CHEMICAL SYNTHESIS

[Studies on antimalarial agents—alpha-(alkylaminomethyl)-halogenated-4-fluoren (author's transl)] Deng RX, et al. **Yao Hsueh Hsueh Pao** 1981 Dec;16(12):920–4 (Eng. Abstr.) **(Chi)**

[Studies on antimalarials. II. Synthesis of alpha-alkylaminomethyl-1, 6-dichloro-4-fluorenemethanols (author's transl)] Zhao DC, et al. **Yao Hsueh Hsueh Pao** 1982 Jan;17(1):28–32 (Eng. Abstr.) **(Chi)**

[Amidine derivatives of 9H-fluorene] Ferranti A, et al. **Farmaco [Sci]** 1982 Mar;37(3):199–204 (Eng. Abstr.) **(Ita)**

DIAGNOSTIC USE

[An interesting peroxidase staining.—utilization of blended substrate of mixed 2, 7-FDA and Laurent's acid— (author's transl)] Niwa Y, et al. **Rinsho Byori** 1981 Jun;29(6):613–6 **(Jpn)**

METABOLISM

Binding of ligands to a one-dimensional heterogeneous lattice. III. Kinetic model and relaxation study of the interaction of tilorone with DNA and polynucleotides. Sturm J. **Biopolymers** 1982 Jun;21(6):1189–206

Cytochrome P-450- and flavin-containing monooxygenase-catalyzed formation of the carcinogen N-hydroxy-2-aminofluorene and its covalent binding to nuclear DNA. Frederick CB, et al. **Cancer Res** 1982 Jul; 42(7):2671–7

Identification of metabolites of benzo[b]fluoranthene. Amin S, et al. **Carcinogenesis** 1982;3(2):171–4

Partial persistency of 2-aminofluorene and N-acetyl-2-aminofluorene in rat liver DNA. Visser A, et al. **Carcinogenesis** 1981;2(8):737–40

Apparent stimulation of dibenzo[a,e]fluoranthene in vitro metabolism in the presence of norharman. Perin-Roussel O, et al. **Chem Biol Interact** 1981 Oct;37(1–2):109–22

Age-related changes in mutagen activation by rat tissues. Robertson IG, et al. **Chem Biol Interact** 1982 Jan; 38(2):243–52

The anaerobe-mediated mutagenicity of 2-nitrofluorene and 2-aminofluorene for Salmonella typhimurium. Karpinsky GE, et al. **Environ Mutagen** 1980;2(3):353–8

Interaction of DEAP fluoranthene (RMI 9563 DA) with DNA and metaphase chromosomes. Miller FD, et al. **J Histochem Cytochem** 1981 Aug;29(8):969–76

PHARMACODYNAMICS

Effect of Zanchol and chenic acid on bile acid pool size and gallstones in hamsters. Cohen H, et al. **Am J Med Sci** 1982 Jan–Feb;283(1):23–31

Dose-dependent induction of rat liver microsomal aryl hydrocarbon monooxygenase by benzo[k]fluoranthene. Schmoldt A, et al. **Cancer Lett** 1981 Aug;13(3):249–57

Enhancement of N-hydroxy-2-aminofluorene bacterial mutagenicity by the soluble protein fraction from rat liver and partial purification of the enhancement activity. Saccone GT, et al. **Cancer Res** 1981 Nov;41(11 Pt 1):4600–5

The anaerobe-mediated mutagenicity of 2-nitrofluorene and 2-aminofluorene for Salmonella typhimurium. Karpinsky GE, et al. **Environ Mutagen** 1980;2(3):353–8

Enhanced resistance to acute infection with Trypanosoma cruzi in mice treated with an interferon inducer. James SL, et al. **Infect Immun** 1982 Feb;35(2):588–93

The interaction of tilorone and RMI 9563DA with the complement system. Doherty NS. **Int J Immunopharmacol** 1982;4(1):67–72

Induction of interferon with low molecular weight compounds: fluorenone esters, ethers (tilorone), and pyrimidinones. Stringfellow DA. **Methods Enzymol** 1981; 78(Pt A):262–84

The effect of testosterone treatment on the ability of female rat liver S9 to activate aflatoxin B1 and 2-aminofluorene in the AMES/Salmonella system. Chernesky P, et al. **Mutat Res** 1982 Mar;103(3–6):267–73

Nitrated fluorene derivatives are potent frameshift mutagens. McCoy EC, et al. **Mutat Res** 1981 Sep;90(1):11–20

Structural modification and protein recognition of DNA modified by N-2-fluorenylacetamide, its 7-iodo derivative, and by N-2-fluorenamine. Daune MP, et al. **Natl Cancer Inst Monogr** 1981 Dec;(58):201–10

The biological activity of the synthetic polyanion, pyran copolymer (diveema, MVE, 46015) and the heterocyclic bis DEAE fluorenone derivative, tilorone and congeners: clinical and laboratory effects of these agents as modulators of host resistance. Regelson W. **Pharmacol Ther** 1981; 15(1):1–44 (343 ref.)

Relationship between the genetically determined acetylator phenotype and DNA damage induced by hydralazine and 2-aminofluorene in cultured rabbit hepatocytes. McQueen CA, et al. **Proc Natl Acad Sci USA** 1982 Feb;79(4):1269–72

Tilorone and related bis-basic substituted polycyclic aromatic and heteroaromatic compounds. Levin RH, et al. **Prog Med Chem** 1981;18:135–90 (139 ref.)

[Changes in the enzymic activity of monooxygenase components of rat hepatocytes after administration of tilorone] Bogatskiĭ AV, et al. **Ukr Biokhim Zh** 1981 Nov–Dec;53(6):108–10 (Eng. Abstr.) **(Rus)**

THERAPEUTIC USE

Antileukemic effects of 5-(2-dimethylaminoethoxy)-7-oxo-7H-benzo(c) fluorene, substance VUFB 13 468, on L1210 and La leukemia. Pujman V, et al. **Neoplasma** 1981;28(6):715–20

Tilorone-mediated protection against murine B16 melanoma. Turner EV, et al. **Proc Soc Exp Biol Med** 1981 Sep; 167(4):536–41

Antitumor activity of tilorone hydrochloride on a transplantable rat adenocarcinoma. Kellen JA, et al. **Res Commun Chem Pathol Pharmacol** 1981 Apr;32(1):185–8

[Treatment of marked epithelial dysplasia of esophagus. II. Microspectophotometric studies on DNA content in epithelial cells of esophagus treated with antitumor B III or tilorone (author's transl)] Lin PZ. **Chung Hua Chung Liu Tsa Chih** 1981 Nov;3(4):245–8 (Eng. Abstr.) **(Chi)**

TOXICITY

Retinol (vitamin A) as a modifier of 2-aminofluorene and 2-acetyl-aminofluorene mutagenesis in the Salmonella/microsome assay. Busk L, et al. **Arch Toxicol** 1982 Jan;49(2):169–74

Carcinogenicity in rats of the mutagenic compounds 1-nitropyrene and 3-nitrofluoranthene. Ohgaki H, et al. **Cancer Lett** 1982 Jan;15(1):1–7

Tumour initiating activity of dihydrodiols of benzo[b]fluoranthene, benzo[j]fluoranthene, and benzo[k]fluoranthene. LaVoie EJ, et al. **Carcinogenesis** 1982;3(1):49–52

Mutagenicity of three aromatic amines in the presence of fractions from various tissues. Fouarge M, et al. **Toxicol Lett** 1982 May;11(3–4):313–20

FLUORENYLACETAMIDE see **ACETYLAMINOFLUORENE**

FLUORESCAMINE see under **SPIRO COMPOUNDS**

FLUORESCEIN ANGIOGRAPHY

Mechanisms of contrast enhancement in cerebral infarction: computerized tomography, regional cerebral blood flow, fluorescein angiography, and pathological study. Kawase T, et al. **Adv Neurol** 1981;30:149–58

Application of fluorescein angiography in retinoblastoma. Ohnishi Y, et al. **Am J Ophthalmol** 1982 May;93(5):578–88

Vitreous fluorophotometry in patients with fundus flavimaculatus. Fishman GA, et al. **Arch Ophthalmol** 1982 Jul;100(7):1086–8

Fluorescein angiographic patterns of iris melanocytic tumors. Jakobiec FA, et al. **Arch Ophthalmol** 1982 Aug; 100(8):1288–99

Vitreous fluorophotometry in the alloxan- and streptozocin-treated rat. Jones CW, et al. **Arch Ophthalmol** 1982 Jul;100(7):1141–5

Platelet aggregation and reversible platelet aggregates in type I-diabetes staged by retinal fluorescein angiography. Silberbauer K, et al. **Atherosclerosis** 1981 Aug–Sep; 40(1):81–90

Tapioca melanoma of the iris: clinicopathological correlation with results of fluorescein angiography. Price MJ, et al. **Can J Ophthalmol** 1981 Oct;16(4):195–9

Angiographic measurements of blood vessel calibers. Zamir M, et al. **Cardiovasc Intervent Radiol** 1981;4(4):221–3

Fluorescein retinal angiography in the early diagnosis of optic disc edema. D'Ettorre M, et al. **Eur Neurol** 1981; 20(5):401–10

Storage and retrieval of slides and angiograms. Siertsema JV, et al. **J Audiov Media Med** 1980 Jul;3(3):92–3

The assessment of skin viability using fluorescein angiography prior to amputation. Tanzer TL, et al. **J Bone Joint Surg [Am]** 1982 Jul;64(6):880–2

[A study of fluoro-angiographic pattern of the radial peripapillary capillaries (author's transl)] Liao JS. **Chung Hua Yen Ko Tsa Chih** 1981 Jul;17(4):197–9 **(Chi)**

[20 years of fluorescence angiography of the fundus oculi] Oosterhuis JA. **Ned Tijdschr Geneeskd** 1981 Sep 12; 125(37):1496–500 **(Dut)**

[Fluorophotometry of the vitreous body. Exploration of retinal vasculopathies] Quentel G. **Bull Mem Soc Fr Ophtalmol** 1981;93:383–7 **(Fre)**

[Use of fluorescein angiography of the papilla in the evaluation of patients with chronic glaucoma and ocular hypertension] Schwartz B. **Bull Mem Soc Fr Ophtalmol** 1981;93:378–82 **(Fre)**

[Symptomatologic diversity of choroidal neovascularization.

New angiographic signs] Amalric P.
Bull Soc Ophtalmol Fr 1982 Jan;82(1):129–32 **(Fre)**

[An unusual chorioretinopathy: peripheral ciliary periarteritis in a circle] Amalric P. **Bull Soc Ophtalmol Fr** 1981 Nov; 81(11):923–7 **(Fre)**

[Unusual clinical angiographic manifestations during the development of choroidal neovascularization] Amalric P. **Bull Soc Ophtalmol Fr** 1981 Nov;81(11):1071–2 **(Fre)**

[Fluorescein angiography of the iris and Irvine–Gass syndrome (selection of indications for anterior vitrectomy)] Bonnet M, et al. **Bull Soc Ophtalmol Fr** 1981 Nov; 81(11):1001–3 (Eng. Abstr.) **(Fre)**

[Principal clinical and angiographic symptoms of recurrence after photocoagulation of juxtafoveolar subretinal neovascular membranes] Coscas G, et al.
Bull Soc Ophtalmol Fr 1981 Nov;81(11):1063–9 **(Fre)**

[Fluorescence angiography and tomodensitometry in the diagnosis of tumors of the ciliary body in the presence of a cataract - apropos of a case] Devlamynck S, et al.
Bull Soc Ophtalmol Fr 1981 Jun–Jul;81(6–7):689–91 (Eng. Abstr.) **(Fre)**

[Regional cutaneous impregnation following a fluorescein injection] François JH, et al. **Bull Soc Ophtalmol Fr** 1981 Jun–Jul;81(6–7):671–3 (Eng. Abstr.) **(Fre)**

[Uveo–Papillitis with abnormal macular angiofluorographic image] François P, et al. **Bull Soc Ophtalmol Fr** 1982 Apr; 82(4):599–601 (Eng. Abstr.) **(Fre)**

[The triangular syndrome : clinical and angiographic aspects in the acute stage] Gaudric A, et al.
Bull Soc Ophtalmol Fr 1981 Dec;81(12):1145–51 (Eng. Abstr.) **(Fre)**

[Fluorescein– and indocyanine green angiography, fluorescence electroretinography] **Buch Augenarzt** 1981; (86):1–49 **(Ger)**

[Simultaneous recording of local ERG and VER under direct fundus observation with infrared television fundus camera (author's transl)] Miyake Y, et al.
Nippon Ganka Gakkai Zasshi 1981 Oct 10;85(10):1521–33 (Eng. Abstr.) **(Jpn)**

[Visualization and documentation of retinal nerve fiber layer defect (RNFL–D). II. Image processing by contrast converter (author's transl)] Nanba K, et al.
Nippon Ganka Gakkai Zasshi 1981 Oct 10;85(10):1635–43 (Eng. Abstr.) **(Jpn)**

[Kinetic perimetry of the retinal nerve fiber layer defect in glaucoma by fundus photo–perimeter (author's transl)] Ogawa T, et al. **Nippon Ganka Gakkai Zasshi** 1981 Oct 10;85(10):1613–21 (Eng. Abstr.) **(Jpn)**

[Fluorescein angiographic studies of the perilimbal conjunctiva and limbus in hypertension] Katsnel'son LA, et al.
Biull Vsesoiuznogo Kardiol Nauchn Tsentra AMN SSSR 1982;5(1):49–51 (Eng. Abstr.) **(Rus)**

[Fluorescence angiography of the conjunctival perilimbic area in hypertension] Nikol'skaia VV. **Vestn Oftalmol** 1981 May–Jun;(3):43–5 (Eng. Abstr.) **(Rus)**

[Value of fluorescein angiography for detection of pathology of the posterior segment of the eye after blunt injury of the eyeball] Val'kova IV. **Vestn Oftalmol** 1981 Sep–Oct; (5):35–6 **(Rus)**

ADVERSE EFFECTS

Report on the presence of a toxic substance, dimethyl formamide, in sodium fluorescein used for fluorescein angiography. Jacob JS, et al. **Br J Ophthalmol** 1982 Sep; 66(9):567–8

INSTRUMENTATION

Three–way adjustable armrest for fluorescein angiography. Schatz H. **Am J Ophthalmol** 1982 Feb;93(2):244

Wide angle attachment for fundus cameras. Turner IJ, et al. **Aust J Ophthalmol** 1981 Nov;9(4):315–9

Video funduscopy and fluoroscopy. Haining WM.
Br J Ophthalmol 1981 Oct;65(10):702–6

Automatic development of retinal fluorescein angiograms. Siertsema JV, et al. **J Audiov Media Med** 1982 Jan;5(1):17–9

Fluorescein angiography of the anterior ocular segment using the Topcon OA–1 ocular camera. Yamaaki H, et al.
J Audiov Media Med 1981 Apr;4(2):55–7

The Kodak TP 2415: a good negative film for fluorescence angiography. Siertsema JV, et al. **Ophthalmologica** 1981; 183(3):168–73

[Depiction of chorio–retinal anastomoses with the help of computer–assisted fluorescent angiography (author's transl)] Weigelin E, et al. **Klin Monatsbl Augenheilkd** 1981 Oct;179(4):254–6 (Eng. Abstr.) **(Ger)**

[Relief pictures of the posterior pole of the eye (author's transl)] Miszalok V, et al. **Ophthalmologica** 1982 Apr; 184(4):181–9 (Eng. Abstr.) **(Ger)**

[Simultaneous recording of local ERG and VER under direct fundus observation with infrared television fundus camera (author's transl)] Miyake Y, et al.
Nippon Ganka Gakkai Zasshi 1981 Oct 10;85(10):1521–33 (Eng. Abstr.) **(Jpn)**

METHODS

148 degrees fundus photography. Augsburger A, et al.
J Am Optom Assoc 1981 Dec;52(12):941–3

Oral fluoroscopy in a paediatric unit. Ellingford A.
J Audiov Media Med 1981 Apr;4(2):66–7

Television fundoscopy and fluoroscopy. Haining WM, et al.
J Audiov Media Med 1980 Jul;3(3):112–3

Qualitative measurement of cerebral infarction using ultraviolet fluorescence. Laurent JP, et al. **Surg Neurol** 1982 May;17(5):320–4

Fluorescein sodium injection for evaluation of ureteric vasculature prior to cadaveric renal transplantation. Kirchner KA, et al. **Transplantation** 1982 Jan;33(1):100–1

[Use of fluorescence angiography in the diagnosis of brain death] Navrátilová A, et al. **Rozhl Chir** 1982 Mar; 61(3):192–6 (Eng. Abstr.) **(Cze)**

[Fluorescein angiography is 20 years old: results and prospects] Bregeat P, et al. **Bull Acad Natl Med (Paris)** 1981 Mar;165(3):337–44 (Eng. Abstr.) **(Fre)**

[Electronic equidensitometry. Contribution of video–image processing to the study of the choriocapillaris] Bec P, et al. **Bull Soc Ophtalmol Fr** 1982 Jan;82(1):83–5 **(Fre)**

[Principal possibilities and limitations of fluorescent angiographic procedures for the measurement of the flow–physical magnitudes of the retinal circulatory system (author's transl)] Vilser W, et al.
Albrecht Von Graefes Arch Klin Exp Ophthalmol 1981; 217(3):199–211 (Eng. Abstr.) **(Ger)**

[Capabilities and limitations of TV fluorescein angiography of the retina (author's transl)] Körber N, et al.
Klin Monatsbl Augenheilkd 1982 Jan;180(1):100–2 (Eng. Abstr.) **(Ger)**

[Indocyanine green fluorescence angiography. Report 1. Fundamental studies (author's transl)] Hayashi K, et al. **Nippon Ganka Gakkai Zasshi** 1981 Aug 10;85(8):1028–35 (Eng. Abstr.) **(Jpn)**

[Television fluorescein angiography] Zhokhov VP, et al.
Vestn Oftalmol 1981 Sep–Oct;(5):55–6 **(Rus)**

VETERINARY

[Fundus photography in laboratory rats] Ernst A, et al.
Berl Munch Tierarztl Wochenschr 1982 Mar 1;95(5):92–4 (Eng. Abstr.) **(Ger)**

FLUORESCEINS

Fluorimetric assays for avidin and biotin based on biotin–induced fluorescence enhancement of fluorescein–labeled avidin. Al–Hakiem MH, et al.
Anal Biochem 1981 Sep 15;116(2):264–7

Fluorescamine and fluorescein: a new energy–transfer pair and its application to the binding of histone H5 to nucleosomes. Wingender E. **Anal Biochem** 1982 Mar 15; 121(1):146–50

Preparation of fluoresceinylthiocarbamyl relaxin for the demonstration of relaxin receptors. Segaloff A, et al.
Ann NY Acad Sci 1982;380:198–9

Staphylococcal protein A fluoroimmunoassay for immune complexes. Faiferman I, et al. **Arthritis Rheum** 1982 Jul; 25(7):799–801

Measurement of the intracellular pH of blood platelets using a photolabel fluorescent probe. Rotman A, et al.
Biochim Biophys Acta 1982 Feb 10;720(1):75–80

Phase transition release, a new approach to the interaction of proteins with lipid vesicles. Application to lipoproteins. Weinstein JN, et al. **Biochim Biophys Acta** 1981 Oct 2; 647(2):270–84

Fluoresceinated estrone binding by human and mouse breast cancer cells. Fisher B, et al. **Cancer Res** 1982 Feb; 42(2):540–9

The electron microscopy of fluorescent dextrans (FITC–dextrans) in thin sections of tissue. Thorball N.
Experientia 1982 Jul 15;38(7):876–8

A method for the isolation of homogeneous fluorescein–labeled proteins for studies on the variation in biological and fluorescence properties of the different conjugates. Kasche V, et al.
Hoppe Seylers Z Physiol Chem 1981 Jul;362(7):1007–12

Site–specific fluorescein–labeled cobra alpha–toxin. Biochemical and spectroscopic characterization. Johnson DA, et al. **J Biol Chem** 1982 May 25;257(10):5632–6

Mechanisms of ligand binding by monoclonal anti–fluorescyl antibodies. Kranz DM, et al. **J Biol Chem** 1982 Jun 25; 257(12):6987–95

Protein dye affinity chromatography using immobilized tetraiodofluorescein. Tucker RF, et al. **J Biol Chem** 1981 Nov 10;256(21):10993–8

Preferential response patterns of cytotoxic T lymphocytes specific for fluorescein isothiocyanate–[FITC] modified autologous cells. Arora PK, et al. **J Immunol** 1982 Feb; 128(2):551–5

Erythrosin and pH gradient induced photo–voltages in bilayer membranes. Varnadore WE Jr, et al.
J Membr Biol 1982;65(1–2):147–53

A new active–site titrant of serine proteases. Mangel WF, et al. **Methods Enzymol** 1981;80 Pt C:414–24

Characterization of high–affinity antifluorescyl IgM antibodies. Holzman RB, et al. **Mol Immunol** 1981 Oct; 18(10):915–24

Partial elucidation of an anti–hapten repertoire in BALB/c mice: comparative characterization of several monoclonal anti–fluorescyl antibodies. Kranz DM, et al.
Mol Immunol 1981 Oct;18(10):889–98

Fluorescence microscopy: reduced photobleaching of rhodamine and fluorescein protein conjugates by n–propyl gallate. Giloh H, et al. **Science** 1982 Sep 24; 217(4566):1252–5

ADMINISTRATION & DOSAGE

Vitreous fluorophotometry: identification of sources of variability. Prager TC, et al. **Invest Ophthalmol Vis Sci** 1981 Dec;21(6):854–64

The optics of fluorescein patterns. Brungardt TF.
J Am Optom Assoc 1982 Apr;53(4):305–6

[The topical treatment of large second degree burns in childhood by tanning with silvernitrate and mebromide (author's transl)] Hiemer W, et al.
Monatsschr Kinderheilkd 1981 Sep;129(9):547–9 **(Eng. Abstr.) (Ger)**

ADVERSE EFFECTS

Nausea from fluorescein angiography [letter] Schatz H, et al. **Am J Ophthalmol** 1982 Mar;93(3):370–1

A unique case of grand mal seizures after fluress. Cohn HC, et al. **Ann Ophthalmol** 1981 Dec;13(12):1379–80

Food additives and developmental disorders: the case of erythrosin (FD&C Red 3), or guilty until proven innocent? Mailman RB, et al. **Appl Res Ment Retard** 1981; 2(4):297–305

Report on the presence of a toxic substance, dimethyl formamide, in sodium fluorescein used for fluorescein angiography. Jacob JS, et al. **Br J Ophthalmol** 1982 Sep; 66(9):567–8

Blood pressure drop as a result of fluorescein injection. Buchanan RT, et al. **Plast Reconstr Surg** 1982 Sep; 70(3):363–8

[Acute neurological complications following intrathecal fluorescein injection (author's transl)] Mees K, et al.
Laryngol Rhinol Otol (Stuttg) 1982 Feb;61(2):102–4 (Eng. Abstr.) **(Ger)**

ANALYSIS

Measurement of fluorescein binding in human plasma using fluorescence polarization. Brubaker RF, et al.
Arch Ophthalmol 1982 Apr;100(4):625–30

Carboxyfluorescein. A probe of the blood–ocular barriers with lower membrane permeability than fluorescein. Grimes PA, et al. **Arch Ophthalmol** 1982 Apr;100(4):635–9

Fluorometric studies on the blood–retinal barrier in experimental animals. Krupin T, et al. **Arch Ophthalmol** 1982 Apr;100(4):631–4

Involvement of mitochondria in changes in fluorescein excitation and emission polarization spectra in living cells. Cercek L, et al. **Biophys J** 1979 Dec;28(3):403–11

Quantitative determination of fluorescein in the anterior chamber and vitreous body. Kooijman AC, et al.
Doc Ophthalmol 1982 Jan 29;52(3–4):333–7

[Study of aqueous humor dynamic—aqueous humor fluorophotometry and fluorescein concentration curve of aqueous humor of the normal human eye (author's transl)] Zhu WR. **Chung Hua Yen Ko Tsa Chih** 1982 Jan; 18(1):17–23 **(Chi)**

BLOOD

Aging of the erythrocyte. V. Hydrolysis of fluorescein diacetate in red cells. Bartosz G. **Biophys Struct Mech** 1982; 8(3):151–60

CHEMICAL SYNTHESIS

Synthesis and characterization of a new fluorogenic active–site titrant of serine proteases. Livingston DC, et al. **Biochemistry** 1981 Jul 21;20(15):4298–306

DIAGNOSTIC USE

Unable to obtain good correlation [letter] Jetha N, et al.
Am J Clin Pathol 1982 Jun;77(6):771–2

Fluoresceinated lectins as probe for cell surface changes associated with lymphocyte transformation. Strauchen JA.
Am J Hematol 1982 May;12(3):227–32

Goldmann applanation tonometry without fluorescein. Bright DC, et al. **Am J Optom Physiol Opt** 1981 Dec;58(12):1120–6

Detection of anterior chamber leakage with Seidel's test. Cain W Jr, et al. **Arch Ophthalmol** 1981 Nov;99(11):2013

Determination of estrogen receptor in human colon cancer tissue with labeled fluorescence estradiol (fluorescein isothiocyanate). Zhu NY, et al. **Chin Med J [Engl]** 1981 Sep;94(9):607–10

Fluorescein effect on magnesium and total protein determinations [letter] Renoe BW, et al. **Clin Chem** 1982 Jun;28(6):1405

In vivo labelling of the spleen and mesenteric lymph nodes with fluorescein isothiocyanate for lymphocyte migration studies. Pabst R, et al. **Immunology** 1981 Oct;44(2):321–9

Fluorescein dilaurate—tubeless test for pancreatic exocrine failure. Barry RE, et al. **Lancet** 1982 Oct 2;2(8301):742–4

Parotid tumours [letter] Hughes RG, et al. **Lancet** 1982 May 8;1(8280):1080

Visual interpretation of fluorescein penetration and ultimate flap survival [letter] Grossman JA, et al.
Plast Reconstr Surg 1982 Sep;70(3):406–7

A means to facilitate the observation of fluorescence in dark–skinned patients; IV fluorescein in non–caucasians [letter] Seitchik MW. **Plast Reconstr Surg** 1982 May; 69(5):897

The photography of fluorescein. Welch JD.
Plast Reconstr Surg 1982 Jun;69(6):990–4

A comparative study of the use of fluorescein and the Doppler device in the determination of intestinal viability.

Mann A, et al. **Surg Gynecol Obstet** 1982 Jan;154(1):53–5

Fluorescein. Physiochemical factors affecting its fluorescence. Romanchuk KG. **Surv Ophthalmol** 1982 Mar–Apr;26(5):269–83

Mepacrine labelling test and uranaffin cytochemical reaction in human megakaryocytes. Hourdillé P, et al. **Thromb Haemost** 1982 Jun 28;47(3):232–5

[Anatomical remarks on the fluorescein test and its modifications (author's transl)] Sosna T, et al. **Cesk Oftalmol** 1981 Sep;37(5):359–64 (Eng. Abstr.) **(Cze)**

[Luminescence study of ischemic intestine in incarcerated hernia] Polianskiĭ BA, et al. **Khirurgiia (Mosk)** 1981 Aug;(8):100–2 **(Rus)**

[Keratofluoropenetrometry in assessing treatment effectiveness in chronic edematous keratopathy] Kas'ianova NS, et al. **Vestn Oftalmol** 1981 Nov–Dec;(6):31–4 (Eng. Abstr.) **(Rus)**

IMMUNOLOGY

Non-H-2-linked genetic control of murine cell-mediated lympholysis to autologous cells modified with fluorescein isothiocyanate (FTC-self). Arora PK, et al. **J Immunol** 1982 Sep;129(3):1200–3

METABOLISM

Fluorescein binding to normal human serum proteins demonstrated by equilibrium dialysis. Li W, et al. **Arch Ophthalmol** 1982 Mar;100(3):484–7

Plasma binding of fluorescein in normal subjects and in diabetic patients. Palestine AG, et al. **Arch Ophthalmol** 1982 Jul;100(7):1160–1

Effect of acetate on transport of organic acid (fluorescein) in renal proximal tubules of frog. Nikiforov AA. **Biochim Biophys Acta** 1982 Mar 23;686(1):36–46

Fluorescence polarization measurement of binding of fluorescein to albumin. Penniston JT. **Exp Eye Res** 1982 Mar;34(3):435–43

Pharmacokinetics of fluorescein in the vitreous. Palestine AG, et al. **Invest Ophthalmol Vis Sci** 1981 Oct;21(4):542–9

Fluorescein transport in the anterior uvea. Stone RA, et al. **Invest Ophthalmol Vis Sci** 1982 Mar;22(3):303–9

Studies on the technique of vitreous fluorophotometry. Zeimer RC, et al. **Invest Ophthalmol Vis Sci** 1982 May; 22(5):668–74

The use of the peroxidase reaction to obliterate staining of eosinophils by fluorescein-labelled conjugates. Kingston D, et al. **J Immunol Methods** 1981;44(2):191–8

Fluorescein kinetics in perilymph and blood: a fluorophotometric study. Applebaum EL. **Laryngoscope** 1982 Jun;92(6 Pt 1):660–71

Stability of small unilameilar liposomes in serum and clearance from the circulation: the effect of the phospholipid and cholesterol components. Senior J, et al. **Life Sci** 1982 Jun 14;30(24):2123–36

Effect of liposome encapsulation of a fluorescent dye on its uptake by the lymphatics of the rat. Parker RJ, et al. **Pharmacology** 1981;23(3):128–36

[Diffusion of fluorescein molecules in muscle fiber. I. The determination of the coefficient of diffusion] Gamaleĭ IA, et al. **Tsitologiia** 1981 Aug;23(8):911–5 (Eng. Abstr.) **(Rus)**

[Diffusion of fluorescein molecules in muscle fiber. II. The ratio of the coefficient of diffusion to the fiber diameter] Gamalei IA, et al. **Tsitologiia** 1981 Aug;23(8):947–9 (Eng. Abstr.) **(Rus)**

[Inorganic and organic anion interrelations in the active transport system for organic acids in the proximal kidney tubules] Mozhaeva MG, et al. **Tsitologiia** 1982 Apr; 24(4):488–91 (Eng. Abstr.) **(Rus)**

[Effect of acetate on Na+-independent organic acid transport in the proximal tubules of the rat kidney] Nikiforov AA. **Tsitologiia** 1982 Apr;24(4):449–55 (Eng. Abstr.) **(Rus)**

PHARMACODYNAMICS

Modification of (Na+ + K+)-dependent ATPase by fluorescein isothiocyanate: evidence for the involvement of different amino groups at different PH values. Sen PC, et al. **Arch Biochem Biophys** 1981 Oct 15;211(2):652–61

Erythrosin B (USFD&C RED 3) inhibits calcium transport and atpase activity of muscle sarcoplasmic reticulum. Morris SJ, et al. **Biochem Biophys Res Commun** 1982 Feb 26;104(4):1306–11

Modification of chloroplast CF1 by fluoresceinisothiocyanate. Pick U. **Biochem Biophys Res Commun** 1981 Sep 16;102(1):165–71

Brain (Na+,K+)-ATPase: biphasic interaction with erythrosin B. Swann AC. **Biochem Pharmacol** 1982 Jun 15;31(12):2185–90

A quantitative assay for the activation of plasminogen by transformed cells in situ and by urokinase. Leytus SP, et al. **Biochemistry** 1981 Jul 21;20(15):4307–14

A food dye, erythrosine B, increases membrane permeability to calcium and other ions. Colombini M, et al. **Biochim Biophys Acta** 1981 Oct 20;648(1):49–54

Structural and functional degradation of Ca2+;Mg2+-ATPase rich sarcoplasmic reticulum vesicles photosensitized by erythrosin B. Watson BD, et al. **Chem Biol Interact** 1982 Sep;41(3):313–25

Effect of erythrosine (2',4',5',7'-tetraiodofluorescein) on the metabolism of thyroxine in rat liver. Ruiz M, et al. **Endocrinology** 1982 May;110(5):1613–7

Interaction of fluorescein isothiocyanate with nucleotide-binding sites of the Ca-ATPase from sarcoplasmic reticulum. Pick U. **Eur J Biochem** 1981 Dec; 121(1):187–95

Different efficiency of mercurascan in allograft survival prolongation in male and female mice. Hilgert I, et al. **Folia Biol (Praha)** 1981;27(6):379–87

Effect of dielectric discharge on drug treated mammalian cells. Mishra KP, et al. **Indian J Exp Biol** 1981 Jun; 19(6):520–3

A comparison of healing of corneal epithelial wounds stained with fluorescein or Richardson's stain. Ubels JL, et al. **Invest Ophthalmol Vis Sci** 1982 Jul;23(1):127–31

The effect of erythrosine on the surface-associated bacteria of the rat stomach and caecum. Adams RF, et al. **J Appl Bacteriol** 1981 Aug;51(1):171–81

The active site structure of Na+- and K+-stimulated ATPase. Location of a specific fluorescein isothiocyanate reactive site. Carilli CT, et al. **J Biol Chem** 1982 May 25; 257(10):5601–6

Specific site inhibitors of NAD-specific isocitrate dehydrogenase from bovine heart. Gabriel JL, et al. **J Biol Chem** 1982 Jul 25;257(14):8021–9

Texas Red, a hydrophilic, red-emitting fluorophore for use with fluorescein in dual parameter flow microfluorometric and fluorescence microscopic studies. Titus JA, et al. **J Immunol Methods** 1982;50(2):193–204

[Modification of RNA polymerase from Escherichia coli by fluoresceinbimercuriacetate] Kamzolova SG. **Mol Biol (Mosk)** 1982 Mar–Apr;16(2):434–9 (Eng. Abstr.) **(Rus)**

POISONING

Mercury poisoning from merbromin (Mercurochrome) therapy of omphalocele: correlation of toxicologic, histologic, and electron microscopic findings. Clark JA, et al. **Clin Pediatr (Phila)** 1982 Jul;21(7):445–7

THERAPEUTIC USE

A new treatment of pthiriasis palpebrarum. Mathew M, et al. **Ann Ophthalmol** 1982 May;14(5):439–41

[Adequate postburn infusion regime using silver nitrate-mebromid tanning in childhood (author's transl)] Jaschke W, et al. **Monatsschr Kinderheilkd** 1981 Oct; 129(10):598–601 (Eng. Abstr.) **(Ger)**

FLUORESCENCE

Relation between fluorescent intensity and extinction in quantitative microfluorometry. van Oostveldt PM, et al. **Acta Histochem [Suppl] (Jena)** 1979;20:59–63

Fluorescence quenching studies with proteins. Eftink MR, et al. **Anal Biochem** 1981 Jul 1;114(2):199–227 (98 ref.)

Clinical evaluation of direct and photosensitized ultraviolet radiation damage to the lens. Hockwin O, et al. **Ann Ophthalmol** 1982 Mar;14(3):220–3

Fluorescence bronchoscopy. A new technique and further results. Hürzeler D. **Ann Otol Rhinol Laryngol** 1982 Jan–Feb;91(1 Pt 1):57–60

Fluorescence studies on the lipoprotein complex of the fatty acid synthetase from the insect Ceratitis capitata. Gavilanes JG, et al. **Biochemistry** 1981 Sep 29;20(20):5689–94

On the wobbling-in-cone analysis of fluorescence anisotropy decay. Kinosita K Jr, et al. **Biophys J** 1982 Feb;37(2):461–4

Pattern photobleaching of fluorescent lipid vesicles using polarized laser light. Smith LM, et al. **Biophys J** 1981 Jan; 33(1):139–46

Analysis of nonexponential fluorescence decay data by a method of moments. Solie TN, et al. **Biophys J** 1980 Mar; 29(3):367–78

Translational diffusion in the plasma membrane of single cells as studied by fluorescence microphotolysis. Peters R. **Cell Biol Int Rep** 1981 Aug;5(8):733–60 (113 ref.)

In vivo porphyrin fluorescence for Propionibacterium acnes. A characterization of the fluorescing pigments. Melø TB, et al. **Dermatologica** 1982 Mar;164(3):167–74

Electrically induced fluorescence as a method for studying benzo[a]pyrene binding to DNA. Ridler PJ, et al. **FEBS Lett** 1982 Mar 8;139(1):101–4

1-anilinonaphthalene-8-sulphonate as a fluorescent probe for temperature-induced changes in Escherichia coli membranes. Slavík J, et al. **Folia Microbiol (Praha)** 1981; 26(3):176–8

Quantitative studies of the autofluorescence derived from neuronal lipofuscin. Dowson JH, et al. **J Microsc** 1981 Sep; 123(Pt 3):249–58

Water-soluble fluorescent compounds in liver, lung, spleen, kidney, heart, and brain of vitamin E deficient and supplemented mice. Manwaring JD, et al. **J Nutr** 1981 Dec; 111(12):2172–9

Malignant melanoma and exposure to fluorescent lighting at work. Beral V, et al. **Lancet** 1982 Aug 7;2(8293):290–3

Protective effect of lidocaine during regional myocardial ischemia: an altered pathophysiologic response assessed by NADH fluorescence. Baron DW, et al. **Mayo Clin Proc** 1982 Jul;57(7):442–7

Evaluation of effects of ultraviolet, infrared, and fluorescent light on pH of local anesthetic solutions. Cooley RL, et al. **Milit Med** 1981 Nov;146(11):788–91

The effects of different types of fluorescent lighting on reproduction and tumor development in the C3H mouse. Chignell CF, et al. **Photochem Photobiol** 1981 Nov; 34(5):617–21

Fluorescein. Physiochemical factors affecting its fluorescence. Romanchuk KG. **Surv Ophthalmol** 1982 Mar–Apr;26(5):269–83

[Autofluorescence of papillary drusen] Kokel JL, et al. **Bull Soc Ophtalmol Fr** 1982 Apr;82(4):609–13 (Eng. Abstr.) **(Fre)**

[Role of an increased number of cytoproteins in the effect of enhancing the ultraviolet fluorescence of irradiated Ehrlich ascitic carcinoma cells] Sungurov AIu. **Radiobiologiia** 1981;21(4):581–3 (Eng. Abstr.) **(Rus)**

[Comparative study of the action of phytohemagglutinin on DNA fluorescence in the lymphocytes of women with physiological pregnancy and in threatened abortion] Tolmachev VS, et al. **Tsitol Genet** 1981 Jul–Aug;15(4):16–8 (Eng. Abstr.) **(Rus)**

[4-(n-Dimethylaminostyryl)-1-methylpyridinium fluorescence in a living cell] Morozova GI, et al. **Tsitologiia** 1981 Aug;23(8):916–23 (Eng. Abstr.) **(Rus)**

[Effect of hydrocortisone on the ultraviolet fluorescence of rat thymus lymphocytes] Reshchikov AM, et al. **Tsitologiia** 1981 Aug;23(8):960–4 **(Rus)**

[Fluorescence anisotropy and myelin structure. IV. An analysis of the effect of temperature changes on the membrane structure] Vorob'ev MV, et al. **Tsitologiia** 1981 Sep;23(9):997–1002 (Eng. Abstr.) **(Rus)**

FLUORESCENCE ANGIOGRAPHY see **FLUORESCEIN ANGIOGRAPHY**

FLUORESCENCE MICROSCOPY see **MICROSCOPY, FLUORESCENCE**

FLUORESCENCE POLARIZATION

The relationship of amniotic fluid fluorescence polarization to neonatal lung function. Cavalieri RL, et al. **Am J Obstet Gynecol** 1981 Nov 15;141(6):652–7

Problems of evaluating fetal lung maturity by means of the fluorescence polarization of amniotic fluid [letter] Gebhardt DO. **Clin Chem** 1982 Mar;28(3):552

[Assessment of fetal lung maturity by fluorescence polarization method: comparison with lecithin/sphingomyelin ratio, shake test and turbidometry (author's transl)] Kinoshita K. **Nippon Sanka Fujinka Gakkai Zasshi** 1982 Jun;34(6):685–92 (Eng. Abstr.) **(Jpn)**

INSTRUMENTATION

A fluorescence polarization flow cytometer. Keene JP, et al. **Cytometry** 1980 Sep;1(2):118–26

METHODS

Principles of fluorescence polarization measurements. Beisker W, et al. **Anal Quant Cytol** 1981 Dec;3(4):315–22

Epi-illumination optical design for fluorescence polarization measurements in flow systems. Eisert WG, et al. **Biophys J** 1980 Jul;31(1):97–112

Depolarization of fluorescence depletion. A microscopic method for measuring rotational diffusion of membrane proteins on the surface of a single cell. Johnson P, et al. **FEBS Lett** 1981 Sep 28;132(2):252–6

Fluorescence polarization immunoassay for the determination of therapeutic drug levels in human plasma. Jolley ME. **J Anal Toxicol** 1981 Sep–Oct;5(5):236–40

Equilibrium and kinetic inhibition assays based upon fluorescence polarization. Dandliker WB, et al. **Methods Enzymol** 1981;74 Pt C:3–28

[Recent development for the application of fluorescence spectroscopy to cell biology: flow microfluorocytometry and fluorescence polarization (author's transl)] Fukumoto T, et al. **Iyodenshi To Seitai Kogaku** 1981 Apr;19(2):79–93 **(Jpn)**

FLUORESCENCE SPECTROPHOTOMETRY see **SPECTROMETRY, FLUORESCENCE**

FLUORESCENT ANTIBODY TECHNIC

Fluorescence histochemical studies on the noradrenergic innervation of the canine larynx. Hisa Y. **Acta Anat (Basel)** 1982;113(1):15–25

Immunoreactive glucagon in neurons of various parts of the human brain. Demonstration by immunofluorescence technique. Dorn A, et al. **Acta Histochem (Jena)** 1981; 69(2):243–7

A quantitative approach to efficiency and sensitivity: enzyme histochemistry, immunofluorescence and PAP-technique in tissue sections. Wachsmuth ED. **Acta Histochem [Suppl] (Jena)** 1982;25:47–52

The use of FA-technique for detecting Francisella tularensis in formalin fixed material. A method useful in routine post mortem work. Mörner T. **Acta Vet Scand** 1981; 22(3–4):296–306

Determination of LDL receptors on cultured lymphocytes using fluorescein-labeled LDL. Sakai H, et al. **Am J Clin Pathol** 1982 Jul;78(1):58–62

Fluorescence – how long is it useful? [letter] Ullmann AS, et al. **Am J Clin Pathol** 1982 Feb;77(2):228–9

Behcet's syndrome and renal involvement: a histological and immunofluorescent study of eleven renal biopsies. Herreman G, et al. **Am J Med Sci** 1982 Jul-Aug;284(1):10-7

Detection of antibody-coated bacteria in urine sediments: a review. Matuscak RR, et al. **Am J Med Technol** 1982 Mar;48(3):191-5

Diagnosis of eastern equine encephalomyelitis by immunofluorescent staining of brain tissue. Monath TP, et al. **Am J Vet Res** 1981 Aug;42(8):1418-21

Demonstration of rotavirus antigen in trypsin-digested paraffin tissue sections by immunofluorescence. Palmer DG, et al. **Am J Vet Res** 1982 Jun;43(6):1089-91

A review of fluoroimmunoassay and immunofluorometric assay. Smith DS, et al. **Ann Clin Biochem** 1981 Sep;18(Pt 5):253-74 (147 ref.)

Utility of the fluorescent antinuclear antibody test [letter] Cummings S, et al. **Ann Intern Med** 1982 Feb;96(2):258-9

Lack of cross reactivity of rhabdovirus antibodies with Marburg and Ebola antigens in the indirect immunofluorescent antibody test. Van der Groen G, et al. **Ann Soc Belg Med Trop** 1982 Mar;62(1):67-8

Use of betapropionolactone inactivated Ebola, Marburg and Lassa intracellular antigens in immunofluorescent antibody assay. Van der Groen G, et al. **Ann Soc Belg Med Trop** 1982 Mar;62(1):49-54

Comparison of radioimmunoassay with a new immunofluorescent method (FIAX) for measuring tobramycin in serum. Bruckner DA, et al. **Antimicrob Agents Chemother** 1982 Jan;21(1):107-9

Treatment of uncomplicated urinary tract infections with trimethoprim versus sulfisoxazole, with special reference to antibody-coated bacteria and fecal flora. Iravani A, et al. **Antimicrob Agents Chemother** 1981 May;19(5):842-50

Fluorescent immunoassay for determining antiepileptic drug concentrations: clinical usefulness. Smith DB, et al. **Arch Neurol** 1982 Jun;39(6):363-6

Immunofluorescence localizations of proteins in semithin 0.2--1 micron frozen sections of the ear. A report of improved techniques including gelatin encapsulation and cryoultramicrotomy. Flock A, et al. **Arch Otorhinolaryngol** 1981;233(1):55-66

Immunofluorescence and Treponema infection: a method using immunofluorescence to study rabbit testicular tissue infected with T pallidum and T pertenue. Mote PT, et al. **Arch Pathol Lab Med** 1982 Jun;106(6):295-7

Monospecific fluorescent antiserum for study of bovine viral diarrhoea virus [letter] Ssentongo VK, et al. **Aust Vet J** 1981 Jun;57(6):301-2

Double immunohistochemical methods. A procedure employing a PAP-indirect immunofluorescence sequence. Gaudino G, et al. **Basic Appl Histochem** 1982;26(1):47-51

Electron microscopic localization of factor-VIII-related antigen in adult human blood vessels. Rand JH, et al. **Blood** 1982 Sep;60(3):627-34

A new complement fixation test for toxoplasmosis. Comparison with other serological methods. Filice G, et al. **Boll Ist Sieroter Milan** 1981 May;60(2):129-36

Fluorescent staining of neuromuscular junctions by using the antibody against acetylcholine receptors of Narke japonica, and double staining with the antibody and erabutoxin b. Ishikawa Y, et al. **Brain Res** 1981 Nov 9;224(1):45-54

Comparative studies of the indirect haemagglutination and the indirect fluorescent antibody tests in the diagnosis of bovine cysticercosis. Gathuma JM, et al. **Bull Anim Health Prod Afr** 1981 Mar;29(1):11-8

Immunofluorescent staining of rabies virus antigen in formalin-fixed tissue after treatment with trypsin. Umoh JU, et al. **Bull WHO** 1981;59(5):737-44

Serotyping and detection of Haemophilus pleuropneumoniae by indirect fluorescent antibody technique. Rosendal S, et al. **Can J Comp Med** 1981 Jul;45(3):271-4

Limitations of the direct immunofluorescence test for antibody-coated bacteria in determining the site of urinary tract infections in children. Montplaisir S, et al. **Can Med Assoc J** 1981 Nov 1;125(9):993-6

Laboratory diagnosis of legionellosis: 3 years' experience. Toma S, et al. **Can Med Assoc J** 1981 Oct 1;125(7):738-9

Wegener's granulomatosis. Electron microscopic and immunofluorescent studies. Hui AN, et al. **Chest** 1981 Dec; 80(6):753-6

A new method for determination of anti-double strand DNA antibodies: Trypanosoma equiperdum immunofluorescent method. Xu SZ, et al. **Chin Med J [Engl]** 1981 Sep; 94(9):549-54

An immunofluorescent study of the ampicillin rash. Gatter KC, et al. **Clin Allergy** 1982 May;12(3):279-80

An immunofluorescence method for monitoring DNA synthesis by flow cytometry. Gratzner HG, et al. **Cytometry** 1981 May;1(6):385-93

Evaluation of various antigenic substrates for the detection of antinuclear antibodies. Tosca A, et al. **Dermatologica** 1981;163(5):401-7

Homogeneous substrate-labeled fluorescent immunoassay for carbamazepine. Li TM, et al. **Epilepsia** 1982 Aug; 23(4):391-8

Evaluation of the ability of Tween 80, dimethylsulphoxide and Triton X-100 to enhance immunocytochemical staining of autoradiograms. Herbert DC, et al. **Histochem J** 1982 Jan;14(1):161-4

Binding of the apo and holo forms of the serum vitamin D-binding protein to human lymphocyte cytoplasm and membrane by indirect immunofluorescence. Constans J, et al. **Immunol Lett** 1981 Aug;3(3):159-62

Detection of platelet antibodies by enzyme-linked immunosorbent assay (ELISA). Comparative studies with the indirect immunofluorescence assay. Horai S, et al. **Immunol Lett** 1981 Aug;3(3):155-8

Comparative evaluation of indirect haemagglutination and immunofluorescence tests in serodiagnosis of giardiasis. Ganguly NK, et al. **Indian J Med Res** 1981 Jan;73 Suppl:111-3

Indirect immunofluorescence test for anti-DNA antibodies. Pathania AG, et al. **Indian J Med Res** 1982 Mar;75:435-40

Comparison of soluble antigen fluorescent antibody test with indirect haemagglutination tests in serodiagnosis of tuberculosis. Bhardwaj OP, et al. **Indian J Pathol Microbiol** 1982 Jan;25(1):70-7

Evaluation of antigens for the serodiagnosis of kala-azar and oriental sores by means of the indirect immunofluorescence antibody test (IFAT). Krampitz HE, et al. **Infection** 1981; 9(6):264-7

Migration of fluoresceinated pig lymphocytes in vivo: technical aspects and use in studies of autologous and homologous cell survival for up to three weeks. Binns RM, et al. **Int Arch Allergy Appl Immunol** 1981;66(3):341-9

Immunofluorescent microscopy in dermatology: diagnostic applications. Ongley RC. **Int J Dermatol** 1982 Jun; 21(5):233-40 (67 ref.)

Lupus band test. Provost TT. **Int J Dermatol** 1981 Sep; 20(7):475-81 (48 ref.)

Immunofluorescent analysis of blood cells by flow cytometry. Hoffman RA, et al. **Int J Immunopharmacol** 1981; 3(3):249-54

Immunofluorescence in psoriasis: a clinical study of sixty patients. Doyle JA, et al. **J Am Acad Dermatol** 1981 Dec; 5(6):655-60

Indirect immunofluorescence testing for diagnosis of occult Dirofilaria immitis infection in three cats. Dillon R, et al. **J Am Vet Med Assoc** 1982 Jan 1;180(1):80-2

An update of approaches toward the fluorescence immunoassay of drugs. Quattrone AJ, et al. **J Anal Toxicol** 1981 Sep-Oct;5(5):245-8

A simplified quenching fluoroimmunoassay for gentamicin and the effects of some potential interfering factors. Munro AJ, et al. **J Antimicrob Chemother** 1982 Jan;9(1):47-51

Fluoroimmunoassay of digoxin in serum. Al-Hakiem MH, et al. **J Clin Chem Clin Biochem** 1982 Mar;20(3):151-6

Solid-phase Clq-binding fluorescence immunoassay for detection of circulating immune complexes. Collins MM, et al. **J Clin Microbiol** 1982 Mar;15(3):456-64

Immunoglobulin G and immunoglobulin M polar staining of Toxoplasma gondii in the indirect immunofluorescence test. Franco EL, et al. **J Clin Microbiol** 1980 Dec; 12(6):780-4

Inactivation of rabies diagnostic reagents by gamma radiation. Gamble WC, et al. **J Clin Microbiol** 1980 Nov; 12(5):676-8

Preservation of nasopharyngeal smears for fluorescent antibody detection of Bordetella pertussis. Harris PP, et al. **J Clin Microbiol** 1980 Dec;12(6):799-801

Fluorescent treponemal antibody-absorption double-staining procedure. Hunter EF, et al. **J Clin Microbiol** 1981 Aug; 14(2):184-8

Serotyping Cryptococcus neoformans by immunofluorescence. Kaplan W, et al. **J Clin Microbiol** 1981 Sep;14(3):313-7

Slide method for detection of antibody-coated bacteria in urine sediments. Matuscak RR, et al. **J Clin Microbiol** 1980 Dec;12(6):761-3

Comparison of direct and indirect immunofluorescence staining of clinical specimens for detection of respiratory syncytial virus antigen. Minnich LL, et al. **J Clin Microbiol** 1982 May;15(5):969-70

Evaluation of a solid-phase immunoassay with fluorescein isothiocyanate-conjugated heterogeneous or monoclonal antibodies for identification of virus isolates, with influenza virus as a model. Phillips DJ, et al. **J Clin Microbiol** 1982 May;15(5):931-7

Solid-phase fluoroimmunoassay for treponemal antibody. Stevens RW, et al. **J Clin Microbiol** 1982 Feb;15(2):191-5

Use of FITC-protein A in place of fluorescein-conjugated anti-gammaglobulins for rapid virus diagnosis by immunofluorescence. Wood DJ, et al. **J Clin Pathol** 1982 Apr;35(4):472-5

A preliminary study of antibodies against Trichomonas vaginalis infection using the I.F.A.T. Salem SA, et al. **J Egypt Soc Parasitol** 1981 Jun;11(1):201-6

Prolonged incubation time in immunohistochemistry: effects on fluorescence staining of immunoglobulins and epithelial components in ethanol- and formaldehyde-fixed paraffin-embedded tissues. Brandtzaeg P. **J Histochem Cytochem** 1981 Nov;29(11):1302-15

Immunocytochemical identification of dye-injected cells. Michaels RL. **J Histochem Cytochem** 1982 Feb; 30(2):189-91

Effects of different tissue processing methods on the immunohistochemical localization of kallikrein in the pancreas. Orstavik TB, et al. **J Histochem Cytochem** 1981 Aug;29(8):985-8

Comparison of paired immunofluorescence and paired immunoenzyme staining methods based on primary antisera from the same species. Valnes K, et al. **J Histochem Cytochem** 1982 Jun;30(6):518-24

Assay of membrane complement receptors (CR1 and CR2) with C3b- and C3d-coated fluorescent microspheres. Lambris JD, et al. **J Immunol** 1982 Jan;128(1):186-9

Quantitative immunofluorescent analysis of surface phenotypes of murine B cell lymphomas and plasmacytomas with monoclonal antibodies. Lanier LL, et al. **J Immunol** 1981 Oct;127(4):1691-7

Avidity of antibodies to dsDNA: comparison of IFT on Crithidia luciliae, Farr assay, and PEG assay. Smeenk R, et al. **J Immunol** 1982 Jan;128(1):73-8

Cell sorter immunofluorescence detection of human erythrocytes labelled in suspension with antibodies specific for hemoglobin S and C. Bigbee WL, et al. **J Immunol Methods** 1981;45(2):117-27

Immunohistochemistry with enzyme labeled antibodies: a brief review. Farr AG, et al. **J Immunol Methods** 1981; 47(2):129-44 (41 ref.)

An immunofluorescent method for specific staining of eosinophil granule major basic protein. Filley WV, et al. **J Immunol Methods** 1981;47(2):227-38

Quantitative immunofluorescence microscopy of renal glomeruli from mice exhibiting murine lupus erythematosus. Jensen RH, et al. **J Immunol Methods** 1981; 42(3):343-53

An indirect immunofluorescence staining procedure for detection of human Fc gamma receptors on streptococci. Lebrun L, et al. **J Immunol Methods** 1982;48(3):349-58

An immunofluorescence assay for complement activation by the classical pathway. Linder E, et al. **J Immunol Methods** 1981;47(1):49-59

A solid-phase immunofluorescence assay (SIFA) for screening antigen-specific hybridomas. Micheel B, et al. **J Immunol Methods** 1981;46(1):41-6

A solid phase immunofluorometric assay for anti-lymphocyte antibodies. Nakajima H, et al. **J Immunol Methods** 1981; 46(3):277-88

Evaluation of a microfluorometer in immunofluorescence assays of individual spores of Bacillus anthracis and Bacillus cereus. Phillips AP, et al. **J Immunol Methods** 1982 Mar 26;49(3):271-82

Immunofluorescent staining of nuclear antigen in lymphoid cells transformed by Herpesvirus papio (HVP). Schmitz H. **J Immunol Methods** 1981;42(3):337-42

The Trypanosoma lewisi immunofluorescence test: a new simple technique for simultaneous determination of total antinuclear antibodies and the detection of antibodies to double-stranded DNA. Valesini G, et al. **J Immunol Methods** 1982;48(2):177-88

In vitro complement-binding on cytoplasmic structures in normal human skin: I. Immunofluorescence studies. Hintner H, et al. **J Invest Dermatol** 1982 Aug;79(2):119-24

Enhancement of specific immunofluorescent findings with use of a para-phenylenediamine mounting buffer. Huff JC, et al. **J Invest Dermatol** 1982 May;78(5):449-50

A quantitative indirect immunofluorescent assay for zona pellucida antibodies. Nayudu PL, et al. **J Reprod Fertil** 1982 May;65(1):67-75

Antibody coating of bacteria persisting in a ureteral stump 10 years after nephrectomy. Messing E, et al. **J Urol** 1981 Sep;126(3):406-8

The antibody-coated bacteria test [letter] Jones SR. **JAMA** 1982 Sep 24;248(12):1450

Limitations of the antibody-coated bacteria test in patients with neurogenic bladders. Merritt JL, et al. **JAMA** 1982 Mar 26;247(12):1723-5

Antibody-coated bacteria in urinary tract infections. Thomas VL, et al. **Kidney Int** 1982 Jan;21(1):1-7 (59 ref.)

Mouse hepatitis virus immunofluorescence in formalin- or Bouin's-fixed tissues using trypsin digestion. Brownstein DG, et al. **Lab Anim Sci** 1982 Feb;32(1):37-9

New technique of kidney tissue processing for immunofluorescence microscopy: formol sucrose/gum sucrose/paraffin. Bolton WK, et al. **Lab Invest** 1982 Aug; 47(2):206-13

Fluorescent leprosy antibody absorption (FLA-ABS) test for early serodiagnosis of leprosy. Bharadwaj VP, et al. **Lepr India** 1981 Oct;53(4):518-24

Subclinical infection in leprosy--its detection and control by fluorescent leprosy antibody absorption (FLA-ABS) test. Abe M, et al. **Lepr Rev** 1981 Dec;52 Suppl 1:263-73

A modified immunofluorescent test for detection of antibody against human cytomegalovirus. Coupland B. **Med Lab Sci** 1982 Jan;39(1):91-2

Fluorescent antibody to membrane antigen (FAMA) procedure for determining susceptibility to varicella: an evaluation. Ward F, et al. **Med Lab Sci** 1982 Jan;39(1):33-8

Immunochemical techniques. Part C. **Methods Enzymol** 1981; 74 Pt C:1-729

The homogeneous substrate-labeled fluorescent immunoassay. Burd JF. **Methods Enzymol** 1981;74 Pt C:79-87

Indirect quenching fluoroimmunoassay. Nargessi RD, et al. **Methods Enzymol** 1981;74 Pt C:60-79

The fluorescence immunoassay using plane surface solid phases (FIAPS). Sedlacek HH, et al. **Methods Enzymol** 1981;74 Pt C:87-105

Fluorescence excitation transfer immunoassay (FETI). Ullman EF, et al. **Methods Enzymol** 1981;74 Pt C:28-60

Direct immunofluorescent staining of Leucocytozoon caulleryi of different developmental stages. Fujisaki K, et al. **Natl Inst Anim Health Q (Tokyo)** 1981 Summer; 21(2):73-9

Problem of light piping in immunofluorescence studies [letter]

Egelman E. **Nature** 1981 Dec 17;294(5842):674

Prospective study on the appearance of antibody-coated bacteria in patients with an indwelling urinary catheter. Kostiala AA, et al. **Nephron** 1982;30(3):279–85

The significance of antibody coated bacteria in neuropathic bladder urines. Lindan R. **Paraplegia** 1981;19(4):216–9

Immunofluorescent identification of antibodies specific for prostatic acid phosphatase. Ablin RJ. **Pathology** 1981 Oct; 13(4):681–4

Fluoroimmunoassay of pregnancy zone protein. Berg O, et al. **Scand J Clin Lab Invest** 1981 May;41(3):323–6

A solid-phase radioimmunoassay for anti-histone antibodies in human sera: comparison with an immunofluorescence assay. Rubin RL, et al. **Scand J Immunol** 1982;15(1):63–70

Detection of filarial antibodies in Malayan and Bancroftian filariasis by the indirect fluorescent antibody test, using different filarial antigens. Au AC, et al. **Southeast Asian J Trop Med Public Health** 1982 Mar; 13(1):142–7

Detection of antibodies to Nosema cuniculi (Protozoa : Microscoporidia) in human and animal sera by the indirect fluorescent antibody technique. Singh M, et al. **Southeast Asian J Trop Med Public Health** 1982 Mar; 13(1):110–3

Immunofluorescent staining of Epon embedded kidney sections through simultaneous use of two different fluorochrome-conjugated antisera. Enestrom S. **Stain Technol** 1982 Jan;57(1):31–8

The use of polyacrylamide as an embedding medium for immunohistochemical studies of embryonic tissues. Hausen P, et al. **Stain Technol** 1981 Sep;56(5):287–93

A microscopic slide preparation of cercariae for the indirect fluorescent antibody test for schistosomiasis [letter] Wolstenholme B, et al. **Trans R Soc Trop Med Hyg** 1981; 75(4):614–5

Immunofluorescence and immunoperoxidase techniques for detecting antibodies to malignant catarrhal fever in infected cattle. Rossiter PB. **Trop Anim Health Prod** 1981 Nov; 13(4):189–92

FAT for Streptococcus suis type 2 infections [letter] Hunt BW, et al. **Vet Rec** 1982 Jan 2;110(1):21

Diagnosis of respiratory syncytial virus infection in the bovine respiratory tract by immunofluorescence. Thomas LH, et al. **Vet Rec** 1981 May 16;108(20):432–5

Fluorescent bacterial rosetting of lymphocyte subpopulations. I. Methodology. Niemetz AH, et al. **Vox Sang** 1981 Nov-Dec;41(5–6):319–26

Fluorescent bacterial rosetting of lymphocyte subpopulations. II. Identification of human lymphocyte subpopulations. Niemetz AH, et al. **Vox Sang** 1981 Nov-Dec;41(5–6):327–35

[The use of internal protein of equine influenza virus in fluorescence antibody test for rapid diagnosis of influenza (author's transl)] Wang HM. **Chung Hua I Hsueh Tsa Chih** 1982 Apr;62(4):218–20 (Eng. Abstr.) **(Chi)**

[The application of immunofluorescence technic in glomerular diseases (author's transl)] Du XH. **Chung Hua Nei Ko Tsa Chih** 1981 Jul;20(7):397–400 **(Chi)**

[Diagnostic localization of urinary tract infection—examination of urinary antibody-coated bacteria with immunofluorescence technic (author's transl)] Li SM. **Chung Hua Nei Ko Tsa Chih** 1981 Nov;20(11):662–3 **(Chi)**

[Immunofluorescence detection of antibody-coated bacteria (ACB) and its application in the localization of urinary tract infection (author's transl)] Cai BJ. **Chung Hua Wai Ko Tsa Chih** 1982 Apr;20(4):195–7 (Eng. Abstr.) **(Chi)**

[Comparison of immunoenzyme and IFA methods in the diagnosis of malaria (author's transl)] Huang ZX. **Chung Hua Yu Fang I Hsueh Tsa Chih** 1981 Sep; 15(5):269–71 **(Chi)**

[Antibody-coated bacteria in the urine sediment in urinary tract infection in patients after kidney transplantation (author's transl)] Horčičková M, et al. **Cas Lek Cesk** 1981 Sep 3;120(35):1062–5 (Eng. Abstr.) **(Cze)**

[Electron microscopy in virological diagnosis (author's transl)] Rýc M. **Cesk Epidemiol Mikrobiol Imunol** 1981 Sep; 30(5):297–308 (Eng. Abstr.) **(Cze)**

[The fluorescent antibody technique in the diagnosis of a number of poultry diseases: manufacture of conjugates and use (author's transl)] Hilbink F, et al. **Tijdschr Diergeneeskd** 1982 Mar 1;107(5):167–73 (Eng. Abstr.) **(Dut)**

[Immunofluorescent studies on plastic (epoxy and glycol methacrylate) embedded biopsies (author's transl)] Felman P, et al. **Ann Pathol** 1981;1(2):156–9 (Eng. Abstr.) **(Fre)**

[A serological study of the contagious equine metritis: comparison between indirect immunofluorescence, slow agglutination and complement fixation techniques (author's transl)] Tainturier D, et al. **Ann Rech Vet** 1981;12(3):265–75 (Eng. Abstr.) **(Fre)**

[Use of the ELISA test in the serologic diagnosis of hepatic amebiasis. Comparative study of 4 other methods: immunofluorescence, electrosyneresis, passive hemagglutination and complement fixation] Tribouley J, et al. **Bull Soc Pathol Exot Filiales** 1982 Jan-Feb; 75(1):12–25 (Eng. Abstr.) **(Fre)**

[Immunofluorescence on Crithidia luciliae in the detection of anti-native DNA antibodies (author's transl)] André C, et al. **Nouv Presse Med** 1982 Apr 3;11(15):1127–30 (Eng. Abstr.) **(Fre)**

[Anti-DNA determination using Crithidia luciliae. Specificity and clinical usefulness in systemic lupus erythematosus] Pena Sagredo JL, et al. **Rev Rhum Mal Osteoartic** 1982 Apr;49(5):345–50 (Eng. Abstr.) **(Fre)**

[Rapid serologic diagnosis of canine parvo-virus enteritis by the demonstration of virus-specific IgM antibodies (author's transl)] Maess J, et al. **DTW** 1982 Apr 6; 89(4):152–5 (Eng. Abstr.) **(Ger)**

[Immunofluorescent studies of the microtubular system in slime moulds] Unger E, et al. **Gegenbaurs Morphol Jahrb** 1981;127(5):683–7 (Eng. Abstr.) **(Ger)**

[The Crithidia luciliae immunofluorescence test for detection of antibodies to double-stranded DNA (author's transl)] Herzer P, et al. **Klin Wochenschr** 1982 Feb 1;60(3):143–51 (Eng. Abstr.) **(Ger)**

[Influence of embedding media on the fading of FITC-labelled coverslip cultures [author's transl)] Warweg U, et al. **Microsc Acta** 1981 Sep;85(1):7–10 (Eng. Abstr.) **(Ger)**

[Combination of a direct immunofluorescence method (anti-human-IgG-FITC marked) with a panoptic staining of cerebrospinal fluid cells] Döll R, et al. **Psychiatr Neurol Med Psychol (Leipz)** 1982 May; 34(5):305–6 **(Ger)**

[A method for the preservation of immunofluorescence preparations] Koschnike P. **Z Med Lab Diagn** 1981; 22(2):116 (Eng. Abstr.) **(Ger)**

[Chronic HBsAg negative hepatitis in childhood, Stud using the immunofluorescence method] Calzia R, et al. **Boll Ist Sieroter Milan** 1981 Jul 31;60(3):176–87 (Eng. Abstr.) **(Ita)**

[Immunohistological aspects of lupus nephropathy. Clinical and prognostic significance] Bertoli S, et al. **Minerva Nefrol** 1981 Jan-Mar;28(1):21–5 (Eng. Abstr.) **(Ita)**

[Antibody-coated bacteria test in the urine of children with urinary tract infection (author's transl)] Tabuki K, et al. **Kansenshogaku Zasshi** 1981 Jul;55(7):469–78 (Eng. Abstr.) **(Jpn)**

[Immunofluorescent studies of the skin and kidney in anaphylactoid purpura (author's transl)] Yasue T. **Nippon Hifuka Gakkai Zasshi** 1981 Feb;91(2):149–54 **(Jpn)**

[Surface immunoglobulin tests—fluorescent antibody technic] Fujiwara M. **Rinsho Byori** 1981 Mar;Suppl 44:144–54 **(Jpn)**

[Application of immunological tests of the serum and urine—detection of the serum antigens and antibodies and fluorescent antibody technic for the renal tissue] Nagasawa T. **Rinsho Byori** 1982 Mar;Suppl 49:81–7 **(Jpn)**

[Application of immunological tests of the serum and urine—detection of antibody-coated bacteria (ACB) and evaluation of its method] Ohmori M, et al. **Rinsho Byori** 1982 Mar;Suppl 49:88–93 **(Jpn)**

[Toxoplasma gondii: phenomenon of polar fluorescence of trophozoites, its nature and frequency] Durko M, et al. **Med Dosw Mikrobiol** 1981;33(1):61–6 (Eng. Abstr.) **(Pol)**

[Studies on the Treponema reactions in the cerebrospinal fluid and serum of patients with syphilis] Manikowska-Lesińska W, et al. **Przegl Dermatol** 1981 May-Jun;68(3):335–41 (Eng. Abstr.) **(Pol)**

[Cause and methods of elimination of nonspecific immunofluorescence of Treponema pallidum. Role of human complement in the Treponema pallidum immunofluorescence reaction] Ruczkowska J. **Przegl Dermatol** 1981 Mar-Apr;68(2):181–7 (Eng. Abstr.) **(Pol)**

[Studies on the causes and methods of prevention of 'nonspecific' immunofluorescence of Treponema pallidum] Ruczkowska J. **Przegl Dermatol** 1981 May-Jun;68(3):351–6 (Eng. Abstr.) **(Pol)**

[Usefulness of the immunofluorescence technic for determining of circulating immune complexes] Fiedorowicz-Fabrycy I, et al. **Reumatologia** 1981;19(1):1–5 (Eng. Abstr.) **(Pol)**

[Contribution of immunofluorescent reactions in the cerebrospinal fluid to the study of neurocysticercosis] Livramento JA. **Arq Neuropsiquiatr** 1981 Sep;39(3):261–78 (Eng. Abstr.) **(Por)**

[Antinuclear antibody: significance of fluorescence patterns] Habermann F, et al. **Rev Hosp Clin Fac Med Sao Paulo** 1981 Jun;36(3):123–7 (Eng. Abstr.) **(Por)**

[Diagnosis of schistosomiasis mansoni by immunofluorescent technic using sporocysts in planorbid tissues] Guaraldo AM, et al. **Rev Saude Publica** 1981 Dec;15(6):623–8 (Eng. Abstr.) **(Por)**

[Procedure for producing permanent preparations stained by the Coons method] Syrtsov VK. **Arkh Anat Gistol Embriol** 1981 May;80(5):111–2 **(Rus)**

[Use of whole loose connective tissue preparations in immunofluorescence studies] Beletskaia LV. **Biull Eksp Biol Med** 1981 Jul;92(7):120–2 (Eng. Abstr.) **(Rus)**

[Effectiveness of the rapid diagnosis of influenza A in the inter-epidemic period using immunofluorescent preparations] Kamforin LE, et al. **Lab Delo** 1981;(5):307–9 (Eng. Abstr.) **(Rus)**

[Rapid IFR-40 (immunofluorescence reaction) in the diagnosis of urogenital trichomoniasis] Bednova VN, et al. **Vestn Dermatol Venerol** 1981 Jul;(7):19–21 **(Rus)**

[Indirect immunofluorescence reaction study of systemic and local humoral immunity in patients with chronic inflammatory lung disease. I. Serological study results with Streptococcus pneumoniae autostrains] Vishniakova LA, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1981 Dec; (12):39–43 (Eng. Abstr.) **(Rus)**

[Diagnostic significance of bacteria-coated antibodies in urine sediment] Fridrih S, et al. **Vojnosanit Pregl** 1982 Jan-Feb;39(1):40–2 **(Scr)**

[A comparison of the sensitivity of the indirect hemagglutination reaction and the indirect immunofluorescence test in experimental ascariasis in swine] Borošková Z. **Vet Med (Praha)** 1981 Nov; 26(11):677–84 (Eng. Abstr.) **(Slo)**

[2 methods of quantifying immunoglobulins, Radial immunodiffusion and immunofluorescence] Ramos Rodríguez V, et al. **Rev Clin Esp** 1981 Aug 15–31; 162(3–4):95–7 (Eng. Abstr.) **(Spa)**

[Serologic diagnosis by indirect immunofluorescence of visceral leishmaniasis using the protozoan Crithidia sp. as an antigen] López-Brea M. **Rev Sanid Hig Publica (Madr)** 1979 Jul-Aug; 53(7–8):1109–15 (Eng. Abstr.) **(Spa)**

[SBL test in the serologic diagnosis of epidemic nephropathy] Niklasson B, et al. **Lakartidningen** 1981 Aug 19;78(34):2870 **(Swe)**

INSTRUMENTATION

Avian reovirus antibody assay by indirect immunofluorescence using plastic microculture plates. Ide PR. **Can J Comp Med** 1982 Jan;46(1):39–42

A quantitative immunofluorescence assay for IgM rheumatoid factor. Burdash NM, et al. **J Rheumatol** 1981 Sep-Oct;8(5):837–40

VETERINARY

Evaluation of three immunodiagnostic procedures for porcine strongyloidiasis. Murrell KD, et al. **Am J Vet Res** 1982 Apr;43(4):702–5

FLUORESCENT DYES

Fluorescent Lipoprotein Probe. Bergeron R, et al. **Anal Biochem** 1982 Jan 1;119(1):128–34

Selected aminoacridines as fluorescent probes in cytochemistry in general and in the detection of cancer cells in particular. Schwarz G, et al. **Anal Quant Cytol** 1982 Mar;4(1):44–54

Evidence for restricted oligosaccharide mobility at the erythrocyte membrane surface: a fluorescence study. Low PS, et al. **Arch Biochem Biophys** 1982 Apr 1;214(2):675–80

The use of 1-anilino Naphthalene-8-sulfonate (ANS) for studying the effects of iodination on thyroglobulin conformation. Palumbo G, et al. **Arch Biochem Biophys** 1981 Nov;212(1):37–42

Fluorescent triplet probes for measuring the rotational diffusion of membrane proteins. Johnson P, et al. **Biochem J** 1982 Apr 1;203(1):313–21

9-Aminoacridine as a fluorescent probe of the electrical diffuse layer associated with the membranes of plant mitochondria. Møller IM, et al. **Biochem J** 1981 Jan 1; 193(1):37–46

Use of fluorescent probes in the study of phospholipid—sterol bilayers. Wharton SA, et al. **Biochem J** 1980 Dec 1; 191(3):785–90

Spectroscopic investigations of bovine lens crystallins. 2. Fluorescent probes for polar-apolar nature and sulfhydryl group accessibility. Andley UP, et al. **Biochemistry** 1982 Apr 13;21(8):1853–8

Binding kinetics of methyl alpha-D-mannopyranoside to concanavalin A: temperature-jump relaxation study with 4-methylumbelliferyl alpha-D-mannopyranoside as a fluorescence indicator ligand. Clegg RM, et al. **Biochemistry** 1981 Aug 4;20(16):4687–92

Values for and significance of order parameters and 'cone angles' of fluorophore rotation in lipid bilayers. Engel LW, et al. **Biochemistry** 1981 Dec 22;20(26):7338–45

Preparation of a fluorescent derivative of cytochrome b5 and its interaction with phospholipids. Gilmore R, et al. **Biochemistry** 1982 Mar 30;21(7):1673–80

Formation of asymmetric phospholipid membranes via spontaneous transfer of fluorescent lipid analogues between vesicle populations. Pagano RE, et al. **Biochemistry** 1981 Aug 18;20(17):4920–7

Fluorescence polarization study of human erythrocyte membranes with 1-phenyl-3-(2-naphthyl)-2-pyrazoline as orientational probe. Eisinger J, et al. **Biochim Biophys Acta** 1981 Aug 20;646(2):334–43

Fluorescent labeling of the carbohydrate moieties of human chorionic gonadotropin and alpha 1-acid glycoprotein. Ingham KC, et al. **Biochim Biophys Acta** 1981 Sep 29; 670(2):181–9

Transport of fluorescent derivatives of fatty acids into cultured human leukemic myeloid cells and their subsequent metabolic utilization. Morand O, et al. **Biochim Biophys Acta** 1982 Jun 11;711(3):539–50

On the nanosecond mobility in proteins. Edge excitation fluorescence red shift of protein-bound

2-(p-toluidinylnaphthalene)-6-sulfonate. Demchenko AP. **Biophys Chem** 1982 May;15(2):101-9
Interactions between pairs of DNA-binding dyes: results and implications of chromosome analysis. Latt SA, et al. **Cytometry** 1980 Jul;1(1):2-12
The 2-(dimethylaminostyryl)-1-methylpyridinium cation as indicator of the mitochondrial membrane potential. Mewes HW, et al. **FEBS Lett** 1981 Aug 17;131(1):7-10
Fluorescence dye as monitor of internal pH in Escherichia coli cells. Shechter E, et al. **FEBS Lett** 1982 Mar 8; 139(1):121-4
Intracellular pH of yeast cells measured with fluorescent probes. Slavík J. **FEBS Lett** 1982 Apr 5;140(1):22-6
A new metachromatic fluorescent stain for rapid morphologic evaluation of human sperm. Tejada RI, et al. **Fertil Steril** 1981 Oct;36(4):535-7
Microfluorometric investigations of chromatin structure. II. Mordant fluorochroming with ions that complex with morin. Cowden RR, et al. **Histochemistry** 1981; 72(3):391-400
Four fluorochromes for the demonstration and microfluorometric estimation of RNA. Curtis SK, et al. **Histochemistry** 1981;72(1):39-48
2-hydroxystilbamidine isethionate: a new fluorochrome for use in general pathology. I. The selective staining of DNA, mucosubstances and elastic fibres. Murgatroyd LB. **Histochemistry** 1982;74(1):107-14
Distamycin A-DAPI banding of nonfluorescent Y(Ynf) chromosomes in 45,X/46,XYnf mosaicism. Wisniewski LP, et al. **Hum Genet** 1982;60(2):130-2
Thermal perturbation spectrophotometry of luliberin and model His-Trp peptides. Bello J, et al. **Int J Pept Protein Res** 1981 Apr;17(4):460-8
Phase-sensitive fluorescence spectroscopy: a new method to resolve fluorescence lifetimes or emission spectra of components in a mixture of fluorophores. Lakowicz JR, et al. **J Biochem Biophys Methods** 1981 Jul;5(1):19-35
Comparison of ethidium bromide and 4'6-diamidino-2-phenylindole as quantitative fluorescent stains for DNA in agarose gels. Nairn RS, et al. **J Biochem Biophys Methods** 1982 Jun;6(2):95-103
Site-specific fluorescein-labeled cobra alpha-toxin. Biochemical and spectroscopic characterization. Johnson DA, et al. **J Biol Chem** 1982 May 25;257(10):5632-6
Fluorescent low density lipoprotein for observation of dynamics of individual receptor complexes on cultured human fibroblasts. Barak LS, et al. **J Cell Biol** 1981 Sep; 90(3):595-604
Aniline blue-containing buffered charcoal-yeast extract medium for presumptive identification of Legionella species. Holmes RL. **J Clin Microbiol** 1982 Apr;15(4):723-4
Microfluorometric analysis of protein thiol groups with a coumarinylphenylmaleimide. Sippel TO. **J Histochem Cytochem** 1981 Dec;29(12):1377-81
Low density lipoproteins reconstituted with steroids containing the nitrobenzoxadiazole fluorophore. Craig IF, et al. **J Lipid Res** 1981 May;22(4):687-96
Anilinonaphthalene sulfonate fluorescence and amino acid transport in yeast. Slavík J, et al. **J Membr Biol** 1982; 64(3):175-9
Fluorescence studies of red blood cell membranes from individuals with Huntington's disease. Sumbilla C, et al. **J Neurochem** 1982 Jun;38(6):1699-708
The use of fluorescent amines for the measurement of pHi: applications in liposomes, gastric microsomes, and sea urchin gametes. Lee HC, et al. **KROC Found Ser** 1981; 15:135-60 (48 ref.)
A new active-site titrant of serine proteases. Mangel WF, et al. **Methods Enzymol** 1981;80 Pt C:414-24
Analysis of rod outer segment disk membrane phospholipid organization using parinaric acid fluorescent probes. Sklar LA, et al. **Methods Enzymol** 1982;81:685-94
Preparation of parinaric acid derivatives. Tsai A, et al. **Methods Enzymol** 1981;72:483-5
Fluorescence photobleaching in cell biology [news] Jacobson K, et al. **Nature** 1982 Jan 28;295(5847):283-4
Specificity in the interaction of 4',6-diamidino-2-phenylindole with polynucleotides. Morikawa K, et al. **Nucleic Acids Symp Ser** 1981;(10):85-8
[Detection of anaerobes by direct immunofluorescence on clinical samples : evaluation of fluoretec F and M (author's transl)] Drugeon HB, et al. **Ann Biol Clin (Paris)** 1981; 39(4):181-4 (Eng. Abstr.) **(Fre)**
[The fluorescent staining of mitochondria in living HeLa- and LM-cells with new acridine dyes (author's transl)] Erbrich U, et al. **Histochemistry** 1982;74(1):1-7 (Eng. Abstr.) **(Ger)**
[ccDNA-DAPI complexes: fluorimetric determination of various chemico-physical parameters] Dall'Asta R, et al. **Acta Biomed Ateneo Parmense** 1981;52(2-3):159-64 **(Ita)**
[Cytochemistry of the binding of dyes and fluorochromes with DNA and chromatin] Stockert JC, et al. **Medicina (B Aires)** 1981;41 Suppl:96-100 (Eng. Abstr.) **(Spa)**

ADMINISTRATION & DOSAGE

Fluorescent dye for marking patch test sites [letter] Wax FD, et al. **Arch Dermatol** 1982 Jul;118(7):449

ANALYSIS

A parameter for the distribution of fluorophores in cells derived from measurements of inner filter effect and reabsorption phenomenon. Tanke HJ, et al. **Cytometry** 1982 May;2(6):359-69
[Analysis of colour-retaining powder, fluorescent dyes illegally added to imported food (author's transl)] Ito Y, et al. **Eisei Shikenjo Hokoku** 1981;99:66-8 (Eng. Abstr.) **(Jpn)**
[Interaction of D-glyceraldehyde-3-phosphate dehydrogenase with a cationic fluorescent probe] Klichko VI, et al. **Dokl Akad Nauk SSSR** 1982;263(1):212-4 **(Rus)**

CHEMICAL SYNTHESIS

Ammonium 4-chloro-7-sulfobenzofurazan: a new fluorigenic thiol-specific reagent. Andrews JL, et al. **Arch Biochem Biophys** 1982 Mar;214(1):386-96
Novel pyrene-containing organophosphates as fluorescent probes for studying aging-induced conformational changes in organophosphate-inhibited acetylcholinesterase. Amitai G, et al. **Biochemistry** 1982 Apr 27;21(9):2060-9
Fluorescent and photoactivatable fluorescent derivatives of tetrodotoxin to probe the sodium channel of excitable membranes. Angelides KJ. **Biochemistry** 1981 Jul 7; 20(14):4107-18
An azido analogue of quinacrine: its synthesis and utilization as a photoaffinity probe with submitochondrial particles. Mueller DM, et al. **Biochemistry** 1982 Mar 16;21(6):1445-53
1-[4-(Trimethylamino)phenyl]-6-phenylhexa-1,3,5-triene: synthesis, fluorescence properties, and use as a fluorescence probe of lipid bilayers. Prendergast FG, et al. **Biochemistry** 1981 Dec 22;20(26):7333-8

DIAGNOSTIC USE

Laser study on DNA intercalating fluorescence dyes. Bottiroli G, et al. **Acta Histochem [Suppl] (Jena)** 1979; 20:57-8
Sequential activation of human peripheral lymphocytes displaying two distinct euchrysine binding patterns in PHA-stimulated cultures. Steffen JA, et al. **Arch Immunol Ther Exp (Warsz)** 1981;29(1):1-8
Fluorescent probes: a new way to study lymphocyte activation. Nairn RC, et al. **Endeavour** 1981;5(4):167-71
1-anilinonaphthalene-8-sulphonate as a fluorescent probe for temperature-induced changes in Escherichia coli membranes. Slavík J, et al. **Folia Microbiol (Praha)** 1981; 26(3):176-8
Identification of source of urine stains in multi-cat households. Hart BL, et al. **J Am Vet Med Assoc** 1982 Jan 1;180(1):77-8
Indicator dilution using a fluorescent indicator. Elings VB, et al. **J Appl Physiol** 1982 May;52(5):1368-74
Calcium homeostasis in intact lymphocytes: cytoplasmic free calcium monitored with a new, intracellularly trapped fluorescent indicator. Tsien RY, et al. **J Cell Biol** 1982 Aug; 94(2):325-34
Photosensitivity spectrum of crayfish rhodopsin measured using fluorescence of metarhodopsin. Cronin TW, et al. **J Gen Physiol** 1982 Feb;79(2):313-32
Use of Hoechst 33342 for cell selection from multicell systems. Durand RE. **J Histochem Cytochem** 1982 Feb; 30(2):117-22
Immunocytochemical identification of dye-injected cells. Michaels RL. **J Histochem Cytochem** 1982 Feb; 30(2):189-91
Some fluorescent counterstains for neuroanatomical studies. Schmued LC, et al. **J Histochem Cytochem** 1982 Feb; 30(2):123-8
Membrane fluorescent probes for the demonstration of lymphocyte population heterogeneity. I T. and B lymphocytes of mice and rats. Korkina LG, et al. **J Immunol Methods** 1981;45(3):227-37
Lucifer dyes--highly fluorescent dyes for biological tracing. Stewart WW. **Nature** 1981 Jul 2;292(5818):17-21
The cortical projections of the thalamic intralaminar nuclei, as studied in cat and rat with the multiple fluorescent retrograde tracing technique. Bentivoglio M, et al. **Neurosci Lett** 1981 Oct;26(1):5-10
Dye-marked paraventricular neuroendocrine cells in vivo in cat hypothalamus. Reaves TA Jr, et al. **Neurosci Lett** 1981 Sep 25;25(3):263-7
Counterstaining of fluorescent retinal preparations: cell densities in different layers. Negishi K, et al. **Neuroscience** 1981;6(10):2047-51
[Kinetic study of DNA reassociation and molecular hybridization using a fluorescent label] Shubina EA, et al. **Biol Nauki** 1982;(2):18-22 **(Rus)**
[Differences in leukocyte membranes detectable by a fluorescent probe in chronic leukemias] Baglaev TN, et al. **Biull Eksp Biol Med** 1982 Apr;93(4):35-7 (Eng. Abstr.) **(Rus)**
[Double fluorescent-label study of the localization of mesencephalic neurons projecting into the neostriatum] Maiskil VA, et al. **Dokl Akad Nauk SSSR** 1981; 259(5):1230-2 **(Rus)**

ISOLATION & PURIFICATION

Parinaric acid from Parinarium glaberrimum. Sklar LA, et al. **Methods Enzymol** 1981;72:479-82

METABOLISM

Na+/H+ antiporter of brush border vesicles: studies with acridine orange uptake. Warnock DG, et al. **Am J Physiol** 1982 Jun;242(6):F733-9
Solid-phase synthesis of fluorescent heparin. Radoff S, et al. **Anal Biochem** 1982 Mar 1;120(2):373-8
Use of resonance energy transfer to study the kinetics of amphiphile transfer between vesicles. Nichols JW, et al. **Biochemistry** 1982 Apr 13;21(8):1720-6
Influence of inorganic cations and histone proteins on the terbium(III)-nucleic acid interaction. Gross DS, et al. **Biochim Biophys Acta** 1981 Dec 28;656(2):167-76
Flow cytometric analysis of the uptake of Hoechst 33342 dye by human lymphocytes. Szabó G Jr, et al. **Cytometry** 1981 Jul;2(1):20-3
Kinetic studies of proton transfer in the microenvironment of a binding site. Gutman M, et al. **Eur J Biochem** 1982 Jan;121(3):637-42
Selective uptake of lucifer yellow by retinal cells. Sarthy PV, et al. **J Comp Neurol** 1982 Apr 20;206(4):371-8
Cholestatriene and ergostatetraene as in vivo and in vitro membrane and lipoprotein probes. Bergeron RJ, et al. **J Lipid Res** 1982 Mar;23(3):391-404
Hormonal effects on fatty acid binding and physical properties of rat liver plasma membranes. Schroeder F. **J Membr Biol** 1982;68(1):1-10
Variability and frequent failure of lucifer yellow to pass between two electrically coupled neurons in Lymnaea stagnalis. Audesirk G, et al. **J Neurobiol** 1982 Jul; 13(4):369-75
A spectrofluorometric investigation, using 1-anilino-naphthalene-8-sulphonate, of the interaction between washed bovine spermatozoa and seminal plasma or egg-yolk lipoprotein. MacDonald BJ, et al. **J Reprod Fertil** 1981 Nov;63(2):407-14
Evaluation of a heparin assay method using a fluorogenic synthetic peptide substrate for thrombin. Choo IH, et al. **Thromb Res** 1982 Jan 1 & 15;25(1-2):115-23

PHARMACODYNAMICS

Modification of acetylcholinesterase with N-dansylaziridine. Mutus B, et al. **Biochem Biophys Res Commun** 1981 Oct 30;102(4):1136-43
The anion-transfer system of erythrocyte membranes. N-(7-Nitrobenzofurazan-4-yl)taurine, a fluorescent substrate-analogue of the system. Eidelman O, et al. **Biochem J** 1981 May 1;195(2):503-13
Bimane-labelled pepstatin, a fluorescent probe for the subcellular location of cathepsin D. Matthews IT, et al. **Biochem J** 1981 Dec 1;199(3):611-7
Modification of two essential cysteines in rabbit muscle pyruvate kinase by the guanine nucleotide analogue 5'[p-(fluorosulfonyl) benzoyl] guanosine. Tomich JM, et al. **Biochemistry** 1981 Nov 10;20(23):6711-20
Selective arylation of cysteine-237 of rabbit muscle aldolase with 4-chloro-7-nitrobenzofurazan. Wong P, et al. **Biochim Biophys Acta** 1982 Jan 4;700(1):33-41
Interaction of rhodamine 123 with living cells studied by flow cytometry. Darzynkiewicz Z, et al. **Cancer Res** 1982 Mar;42(3):799-806
Proteins from metaphase chromosomes treated with fluorochromes. Wray W, et al. **Cytometry** 1980 Jul; 1(1):18-20
Inhibition of human chromosome condensation induced by DAPI as related to cell cycle. Prantera G, et al. **Exp Cell Res** 1981 Sep;135(1):63-8
The active site structure of Na+- and K+-stimulated ATPase. Location of a specific fluorescein isothiocyanate reactive site. Carilli CT, et al. **J Biol Chem** 1982 May 25; 257(10):5601-6
Librational modes in liganded and unliganded hemoglobin as seen by fluorescence spectroscopy. Sassaroli M, et al. **J Biol Chem** 1982 Sep 10;257(17):10136-40
Membrane fluorescent probes for revealing lymphocyte population heterogeneity. II. T-and B-lymphocytes of human peripheral blood. Korkina LG, et al. **J Immunol Methods** 1982 Mar 12;49(2):179-83
Texas Red, a hydrophilic, red-emitting fluorophore for use with fluorescein in dual parameter flow microfluorometric and fluorescence microscopic studies. Titus JA, et al. **J Immunol Methods** 1982;50(2):193-204
Interactions between DNA-binding fluorochromes and mucopolysaccharides in agarose-diffusion test. Grossgebauer K, et al. **Klin Wochenschr** 1981 Sep 15; 59(18):1065-6
[Interaction between the fluorescent probe 1-anilino-naphthalene-8-sulfonate and chloroplasts] Avakian EB, et al. **Biofizika** 1982 May-Jun;27(3):415-9 (Eng. Abstr.) **(Rus)**
[4-(n-Dimethylaminostyryl)-1-methylpyridinium fluorescence in a living cell] Morozova GI, et al. **Tsitologiia** 1981 Aug;23(8):916-23 (Eng. Abstr.) **(Rus)**
[Interaction of fluorescent probes with membranes of sarcoplasmic reticulum in AMP deamination] Tugi VA, et al. **Ukr Biokhim Zh** 1982;54(1):61-5 (Eng. Abstr.) **(Rus)**

TOXICITY

Cytotoxicity, Mutagenicity and DNA damage by Hoechst 33342. Durand RE, et al. **J Histochem Cytochem** 1982 Feb; 30(2):111-6

FLUORESCENT PROBES see FLUORESCENT DYES

FLUORIDATION

Impact of fluoridation in a private pedodontic practice: thirty years later. Eichenbaum IW, et al. **ASDC J Dent Child** 1981 May–Jun;48(3):211–4

The fluoride content of Melbourne's treated public water. de Freitas JF. **Aust Dent J** 1981 Dec;26(6):377–81

Nursing bottle syndrome; prevalence and etiology in a non–fluoridated city. Derkson GD, et al. **Can Dent Assoc J** 1982 Jun;48(6):389–93

Reduction in caries after 7 years of water fluoridation under climatic conditions in Cuba. Künzel W. **Caries Res** 1982; 16(3):272–6

Mass intoxication from accidental overfluoridation of drinking water. Waldbott GL. **Clin Toxicol** 1981 May; 18(5):531–41 (28 ref.)

Effects of fluoride and regular dental care on personal dental expenditures of young adults in Finland. Alvesalo I, et al. **Community Dent Oral Epidemiol** 1982 Feb;10(1):15–22

Effect of fluoridation on the cost of dental treatment among urban Scottish schoolchildren. Downer MC, et al. **Community Dent Oral Epidemiol** 1981 Jun;9(3):112–6

Caries in permanent dentition and social class of children participating in public dental care in fluoridated and nonfluoridated areas. Hausen H, et al. **Community Dent Oral Epidemiol** 1981 Dec;9(6):289–91

Modification of occurrence of caries in children by toothbrushing and sugar exposure in fluoridated and nonfluoridated a.eas. Hausen H, et al. **Community Dent Oral Epidemiol** 1981 Jun;9(3):103–7

Detailed examination of caries progression in 4–year–old children in a non–fluoridated area in Ireland. Holland TJ, et al. **Community Dent Oral Epidemiol** 1982 Jun;10(3):144–7

Attitudes concerning water fluoridation among Swedish dentists in 1975. Petterson EO. **Community Dent Oral Epidemiol** 1981 Jun;9(3):117–21

Endemic fluorosis and partial defluoridation of water supplies – A public health concern in Kenya. Walvekar SV, et al. **Community Dent Oral Epidemiol** 1982 Jun;10(3):156–60 (15 ref.)

Microbial populations growing in the presence of fluoride at low pH isolated from dental plaque of children living in an area with fluoridated water. Bowden GH, et al. **Infect Immun** 1982 Apr;36(1):247–54

Why fluoridate? **J Am Dent Assoc** 1982;Spec No:14C–5C

Flaws in fluoridation? [letter] Bartlett KA Jr. **J Am Dent Assoc** 1982 Feb;104(2):144

Swedish dental health care [letter] Smith C. **J Am Dent Assoc** 1981 Oct;103(4):546

Beyond fluoridation [letter] Spears ND. **J Am Dent Assoc** 1982 May;104(5):600

The effect of fluoridation on the dental health of urban Scottish Schoolchildren. Blinkhorn AS, et al. **J Epidemiol Community Health** 1981 Jun;35(2):98–101

Fluoridation of water supplies and cancer mortality. II: Mortality trends after fluoridation. Cook–Mozaffari P, et al. **J Epidemiol Community Health** 1981 Dec;35(4):233–8

Fluoridation of water supplies and cancer mortality. I: A search for an effect in the UK on risk of death from cancer. Cook–Mozaffari P, et al. **J Epidemiol Community Health** 1981 Dec;35(4):227–32

Fluoridation of water supplies and cancer mortality. III: A re–examination of mortality in cities in the USA. Kinlen L, et al. **J Epidemiol Community Health** 1981 Dec; 35(4):239–44

Fluoridation and cancer: an epidemiologic appraisal. Neuberger JS. **J Kans Med Soc** 1982 Mar;83(3):134–9

Fluoride in the outer enamel of New Zealand children. I. Its relation to the fluoride concentration of the water supply and to the use of fluoride tablets. Pearce EI, et al. **NZ Dent J** 1981 Oct;77(350):144–9

Dental fluorosis in children exposed to multiple sources of fluoride: implications for school fluoridation programs. Rozier RG, et al. **Public Health Rep** 1981 Nov–Dec; 96(6):542–6

Fluoridation and cancer [editorial] Walker AR, et al. **S Afr Med J** 1981 Dec 5;60(23):878–9

Three–year report on caries prevention of using fluoride varnishes for caries risk children in a community with fluoridated water. Seppä L, et al. **Scand J Dent Res** 1982 Apr;90(2):89–94

Skeletal development and dental fluorosis in 12–-14–year–old Danish girls from a fluoride and a non–fluoride community. Wenzel A, et al. **Scand J Dent Res** 1982 Apr;90(2):83–8

[Fluoride, 5 years following a Decree of Parliament] Houwink B. **Ned Tijdschr Geneeskd** 1982 May 15; 126(20):903–5 (Dut)

[EPR study of bovine enamel samples from the milk and permanent teeth, normal and fluoridated and X– and beta–ray irradiated: Part 2] Azzoni CB, et al. **Bull Group Int Rech Sci Stomatol Odontol** 1981 Mar; 24(1):5–9 (Fre)

[Effects of dental prophylaxis measures in Basel after 19 years of water fluoridation] Büttner M. **Rev Belge Med Dent** 1981 Nov;36(6):268–9 (Fre)

[Observations on enamel opacities in Switzerland in relation to water or salt fluoridation] de Crousaz P. **SSO Schweiz Monatsschr Zahnheilkd** 1982 Apr; 92(4):332–44 (Eng. Abstr.) (Fre)

[Public opinion of fluoridation] Bellemare M. **Union Med Can** 1981 Nov;110(11):950–4 (Eng. Abstr.) (Fre)

[Bone density and thyroid gland function in adolescents in relation to fluoride content of drinking water] Baum K, et al. **Fortschr Med** 1981 Sep 24;99(36):1470–2 (Eng. Abstr.) (Ger)

[Caries morbidity and caries incidence in 7– to 15–year–old Basel schoolchildren in 1977 after 15 years of drinking–water fluoridation] Gülzow HJ, et al. **SSO Schweiz Monatsschr Zahnheilkd** 1982 Apr; 92(4):255–62 (Eng. Abstr.) (Ger)

[24–hour urinary fluoride excretion in salt– and drinking–water fluoridation] Hefti A, et al. **SSO Schweiz Monatsschr Zahnheilkd** 1981 Aug; 91(8):559–65 (Eng. Abstr.) (Ger)

[Fluorine and other cations in the drinking water on an area of endemic fluorosis. II] Rapisarda E, et al. **Minerva Stomatol** 1981 Nov–Dec;30(6):521–5 (Eng. Abstr.) (Ita)

[Fluorides and cancer] Holland RI. **Nor Tannlaegeforen Tid** 1981 Sep;91(12):441–2 (Nor)

[Value and effectiveness of the use of fluoride in preventing dental caries] Wigdorowicz–Makowerowa N. **Postepy Hig Med Dosw** 1980 Sep–Oct;34(5):353–66 (55 ref.) (Eng. Abstr.) (Pol)

[Effect of water fluoridation on the prevalence and incidence of caries of the permanent teeth of Leningrad schoolchildren] Kliachkina LM, et al. **Stomatologiia (Mosk)** 1981;60(4):52–3 (Eng. Abstr.) (Rus)

ECONOMICS

Cost–benefits of fluoridation [letter] Jackson D. **Br Dent J** 1982 Jan 19;152(2):37

INSTRUMENTATION

Acute fluoride poisoning associated with an on–site fluoridator in a Vermont elementary school. Vogt RL, et al. **Am J Public Health** 1982 Oct;72(10):1168–9

METHODS

[Swiss studies on the effects of prophylactic treatment of dental caries in children (author's transl)] Marthaler TM, et al. **Rev Epidemiol Sante Publique** 1981;29(3):335–40 (Eng. Abstr.) (Fre)

[Posture of the Fédération Dentaire Internationale and of WHO in favor of collective fluoridation measures against dental caries] Baume LJ. **SSO Schweiz Monatsschr Zahnheilkd** 1982 Apr;92(4):263–8 (Eng. Abstr.) (Fre)

[Prophylactic measures with iodized and fluoridated salt in Switzerland can be successful] Spinnler K. **SSO Schweiz Monatsschr Zahnheilkd** 1982 Apr;92(4):290–4 (Eng. Abstr.) (Ger)

[Salt iodization as a forerunner of salt fluoridation] Wespi HJ. **SSO Schweiz Monatsschr Zahnheilkd** 1982 Apr; 92(4):273–89 (52 ref.) (Eng. Abstr.) (Ger)

[Development of a simplified water fluoridation technic for small communities] Diniz RG, et al. **Bol Of Sanit Panam** 1982 Mar;92(3):208–18 (Eng. Abstr.) (Por)

TRENDS

[Fluoridation in Québec: retrospective study of a failure] Lussier JP. **Union Med Can** 1981 Nov;110(11):942–8 (Eng. Abstr.) (Fre)

FLUORIDE POISONING

COMPLICATIONS

Skeletal fluorosis from eating soil. Fisher JR, et al. **Ariz Med** 1981 Nov;38(11):833–5

[The nonskeletal lesions of endemic fluorosis (author's transl)] Shan Guan CM. **Chung Hua Nei Ko Tsa Chih** 1982 Apr; 21(4):217–9 (Chi)

[Bone mineralization disorders] Alhava E. **Proc Finn Dent Soc** 1982;78(1):39–41 (Fin)

[Hydrotelluric fluorotic intoxication in North Yemen. First results (author's transl)] Claudon M, et al. **Med Trop (Mars)** 1982 May–Jun;42(3):327–37 (Eng. Abstr.) (Fre)

DIAGNOSIS

[Biological monitoring of workers engaged in the production of primary aluminum] Melis C, et al. **Med Lav** 1981 Jul–Aug;72(4):335–40 (Ita)

[Clinico–experimental evidence for a pre–osseous stage of occupational fluorosis (review of the literature and personal observations)] Zislin DM. **Gig Tr Prof Zabol** 1982 Mar; (3):39–42 (60 ref.) (Eng. Abstr.) (Rus)

DRUG THERAPY

[Effect of glutamic acid on enzyme activity in the rat liver in fluorine poisoning] Rymar'–Shcherbina NB, et al. **Vopr Pitan** 1981 Nov–Dec;(6):47–50 (Eng. Abstr.) (Rus)

ETIOLOGY

Acute fluoride poisoning associated with an on–site fluoridator in a Vermont elementary school. Vogt RL, et al. **Am J Public Health** 1982 Oct;72(10):1168–9

Mass intoxication from accidental overfluoridation of drinking water. Waldbott GL. **Clin Toxicol** 1981 May; 18(5):531–41 (28 ref.)

[An investigation on the influence upon the oral cavity of the youth resulting from the hydrogen fluoride exhausted by a certain aluminum factory (author's transl)] Feng YZ. **Chung Hua Kou Chiang Ko Tsa Chih** 1981 Jun;16(2):82–4 (Chi)

[Endemic fluorine poisoning caused by smoked foods with coal–smoke (author's transl)] **Chung Hua Yu Fang I Hsueh Tsa Chih** 1981 Sep;15(5):281–3 (Chi)

METABOLISM

Zinc Depletion following experimental fluorosis in mice. Kanwar KC, et al. **Sci Total Environ** 1981 Dec;22(1):79–83

PATHOLOGY

Accidental ingestion of NaF tablets by children—report of a poison control center and one case. Eichler HG, et al. **Int J Clin Pharmacol Ther Toxicol** 1982 Jul;20(7):334–8

PREVENTION & CONTROL

[Observations on reduced drinking water fluorine content in the control of endemic fluorosis in four years (author's transl)] Xu CW, et al. **Chung Hua Yu Fang I Hsueh Tsa Chih** 1981 Jul;15(4):216–7 (Chi)

[Evaluation of fluoride exposure in an aluminum–producing industry] Caroldi S, et al. **Med Lav** 1981 Jul–Aug; 72(4):330–4 (Eng. Abstr.) (Ita)

RADIOGRAPHY

Sodium fluoride treatment of osteoporosis: radiologic findings. El–Khoury GY, et al. **AJR** 1982 Jul;139(1):39–43

[Roentgenologic study of skeletal fluorosis in children (author's transl)] Xia BS. **Chung Hua Fang She Hsueh Tsa Chih** 1982 Feb;16(1):9–12 (Chi)

[Major X–ray signs of endemic fluorosis of bone and their pathological basis (author's transl)] Xu JC. **Chung Hua Fang She Hsueh Tsa Chih** 1982 Feb;16(1):4–8 (Chi)

[Bone pathological changes in industrial fluorosis (roentgenologic features and criteria for diagnosis) (author's transl)] Huang RT. **Chung Hua Yu Fang I Hsueh Tsa Chih** 1981 Jul;15(4):225–7 (Chi)

URINE

[Effect of fluoride and its inorganic compounds on the worker and its monitoring] Massmann W. **Zentralbl Arbeitsmed Arbeitsschutz Prophyl Ergonomie** 1981 Dec;31(12):484–8 (Ger)

VETERINARY

[Animal fluorosis and fluoride content in feed: analytical determination and evaluation of methods employed (author's transl)] Pepe A, et al. **Ann Ist Super Sanita** 1981; 17(2):199–212 (Eng. Abstr.) (Ita)

FLUORIDES

Infrared and 119Sn–Mössbauer spectra of Sn3PO4F3. Apella MC, et al. **Arch Oral Biol** 1981;26(7):629–30

He and SF6 single–breath expiration curves. Comparison with the paiva–engel model. Lacquet LM, et al. **Bull Eur Physiopathol Respir** 1982 Mar–Apr;18(2):239–46

Improved contrast sensitivity with antireflective coated lenses in the presence of glare. Coupland SG, et al. **Can J Ophthalmol** 1981 Jul;16(3):136–40

Fluoride and iodoacetate interfere with glucose determination with the Yellow Springs Glucose Analyzer [letter] Hall PM, et al. **Clin Chem** 1982 Feb;28(2):387–8

Phototransfer, sensitization and re–estimation of dose in lithium fluoride TLD. Jain VK. **Health Phys** 1981 Aug; 41(2):363–70

The release rate of fluorides: a new laboratory test for availability of therapeutic dentifrices. Hirschfeld Z, et al. **Isr J Dent Med** 1981 Sep;29(1–2):45–52

Will the manufacturer of the best fluoride dentifrice please stand [editorial] Scholle RH. **J Am Dent Assoc** 1981 Jun; 102(6):958

Helium and sulfur hexafluoride washout in asymmetric lung models. de Vries WR, et al. **J Appl Physiol** 1981 Nov; 51(5):1122–30

Alveolar pressure–airflow characteristics in humans breathing air, He–O2, and SF6–O2. Slutsky AS, et al. **J Appl Physiol** 1981 Oct;51(4):1033–7

Fluoride release from a silicophosphate cement with added fluoride. Derkson GD, et al. **J Dent Res** 1982 May; 61(5):660–4

Dissolution rate behavior of fluoridated apatite pellets. Okazaki M, et al. **J Dent Res** 1981 Nov;60(11):1907–11

ADMINISTRATION & DOSAGE

Some effects of bone meal supplemented diet on bone and teeth of growing rats. Rasmussen P, et al.

Acta Odontol Scand 1981;39(5):313–20
Fluoride supplementation in Harris County, Texas. Siegel C, et al. **Am J Dis Child** 1982 Jan;136(1):61–3
Cost–benefits of fluoridation [letter] Jackson D. **Br Dent J** 1982 Jan 19;152(2):37
Ingestion of fluoride gels [letter] Roberts ML, et al. **Br Dent J** 1982 Feb 16;152(4):111
Fluoride supplements – age related dosages [letter] Stephen KW. **Br Dent J** 1981 Oct 20;151(8):243
A 4–year double–blind fluoridated school milk study in a vitamin–D deficient area. Stephen KW, et al. **Br Dent J** 1981 Nov 3;151(9):287–92
Glycogen accumulation in the parathyroid gland of the rat after fluoride ingestion. Ream LJ, et al. **Cell Tissue Res** 1981;220(1):125–30
Caries increment in primary teeth after application of Duraphat fluoride varnish. Grodzka K, et al. **Community Dent Oral Epidemiol** 1982 Apr;10(2):55–9
Fluorides for everyone: a review of school–based or community programs. Haugejorden O, et al. **Community Dent Oral Epidemiol** 1981 Aug;9(4):159–69 (83 ref.)
Caries in primary dentition and social class in high and low fluoride areas. Heusen H, et al. **Community Dent Oral Epidemiol** 1982 Feb;10(1):33–6
Fluoride in toothpaste, rinses, gels and tablets. **Drug Ther Bull** 1981 Oct 9;19(21):81–3
The value of self–applied fluorides at home. Holloway PJ, et al. **Int Dent J** 1981 Sep;31(3):232–9 (32 ref.)
Addition to stannous fluoride to acid etchant in direct bonding procedure. Freeman JE, et al. **Int J Orthod** 1981 Sep;19(3):13–7
Flaws in fluoridation? [letter] Bartlett KA Jr. **J Am Dent Assoc** 1982 Feb;104(2):144
The use of fluoride and chlorhexidine for the prevention of radiation caries. Katz S. **J Am Dent Assoc** 1982 Feb; 104(2):164–70
Combination therapy for osteoporosis with estrogen, fluoride, and calcium. Aloia JF, et al. **J Am Geriatr Soc** 1982 Jan; 30(1):13–7
Effect of 0.4% stannous fluoride gel on the gingival health of overdenture abutments. Derkson GD, et al. **J Prosthet Dent** 1982 Jul;48(1):23–6
Enrollment in and compliance with a community demonstration program of caries prevention for grades kindergarten through 12. Eckhaus B, et al. **J Public Health Dent** 1982 Spring;42(2):142–54
The future for self–applied fluorides. Horowitz HS. **J Public Health Dent** 1981 Fall;41(4):255–9
Fluoride programs in the school setting: preventive dental health. Rebich T Jr, et al. **J Sch Health** 1982 Jan; 52(1):14–16
Effect of the fluoride/calcium regimen on vertebral fracture occurrence in postmenopausal osteoporosis. Comparison with conventional therapy. Riggs BL, et al. **N Engl J Med** 1982 Feb 25;306(8):446–50
Laboratory study of fluoride impregnated toothpicks. Mörch T, et al. **Scand J Dent Res** 1981 Dec;89(6):499–505
The transfer of preventive health technologies to schools: a focus on implementation. Coombs JA, et al. **Soc Sci Med [a]** 1981 Dec;15A(6):789–99
Kinetics of fluorine in deciduous enamel after application of fluoride–containing varnish (Duraphat). Koch G, et al. **Swed Dent J** 1982;6(1):39–44
[Dental caries in the cantons of Glarus and Waadt, 4 years and 8 years after the introduction of fluoridized salt] Marthaler TM, et al. **Soz Praventivmed** 1981 Oct; 26(5):302–3 (Eng. Abstr.) **(Ger)**
[Long–term effect of fluoride prophylaxis: a follow–up study of 151 subjects 13 to 15 years after tablet fluoridation] Christen F, et al. **SSO Schweiz Monatsschr Zahnheilkd** 1981 Nov;91(11):932–9 (Eng. Abstr.) **(Ger)**
[Practical recommendations on caries prevention after the introduction of salt with 250 mg F/kg] Hefti A. **SSO Schweiz Monatsschr Zahnheilkd** 1982 Apr;92(4):304–9 (Eng. Abstr.) **(Ger)**
[Milestones in the introduction of salt fluoridation in Switzerland] Hürny T. **SSO Schweiz Monatsschr Zahnheilkd** 1982 Apr; 92(4):269–72 (Eng. Abstr.) **(Ger)**
[Scientific bases for new recommendations on caries prevention with fluorides] Marthaler TM. **SSO Schweiz Monatsschr Zahnheilkd** 1982 Apr; 92(4):295–303 (Eng. Abstr.) **(Ger)**
[Salt fluoridation: the best fluoridation. An introduction] Mühlemann HR. **SSO Schweiz Monatsschr Zahnheilkd** 1982 Apr;92(4):251–4 (Eng. Abstr.) **(Ger)**
[Prophylactic measures with iodized and fluoridated salt in Switzerland can be successful] Spinnler K. **SSO Schweiz Monatsschr Zahnheilkd** 1982 Apr;92(4):290–4 (Eng. Abstr.) **(Ger)**
[Salt iodization as a forerunner of salt fluoridation] Wespi HJ. **SSO Schweiz Monatsschr Zahnheilkd** 1982 Apr; 92(4):273–89 (52 ref.) (Eng. Abstr.) **(Ger)**
[X–ray diffraction and infrared spectroscopic study of the structure of dental enamel in experimental animals treated with trace elements] Fejérdy P, et al. **Fogorv Sz** 1981 Sep; 74(9):267–72 (Eng. Abstr.) **(Hun)**
[Use of a fluorine–containing preparation in the combined therapy of periodontosis] Nikitina TV, et al. **Stomatologiia (Mosk)** 1981 Sep–Oct;60(5):30–2 (Eng. Abstr.) **(Rus)**
[Effect of sodium fluoride solution concentration on guinea pig labyrinth metabolism in endaural iontophoresis] Belkina NP, et al. **Vestn Otorinolaringol** 1981 Nov–Dec;(6):23–7 (Eng. Abstr.) **(Rus)**
[Our experience in the treatment of post–menopausal osteoporosis (author's transl)] Rico Lenza H, et al. **Med Clin (Barc)** 1982 Apr 16;78(8):322–5 (Eng. Abstr.) **(Spa)**

ADVERSE EFFECTS

Behavioral effects of chemicals in drinking water. Rotton J, et al. **J Appl Psychol** 1982 Apr;67(2):230–8
Role of fluoride in formation of urinary calculi: studies in rats. Anasuya A. **J Nutr** 1982 Sep;112(9):1787–95
The influence of fluoride recovery alumina on the work environment and the health of aluminium potroom workers. Lie A, et al. **Med Lav** 1981 Jul–Aug;72(4):313–7
Extrinsic dental stain caused by stannous fluoride. Ellingsen JE, et al. **Scand J Dent Res** 1982 Feb;90(1):9–13
[Observations on enamel opacities in Switzerland in relation to water or salt fluoridation] de Crousaz P. **SSO Schweiz Monatsschr Zahnheilkd** 1982 Apr; 92(4):332–44 (Eng. Abstr.) **(Fre)**
[Drug–induced fluorosis] Strohmeyer G, et al. **Z Rheumatol** 1981 May–Jun;40(3):138–41 (Eng. Abstr.) **(Ger)**
[Evaluation of the job risk from fluorides in the primary aluminum production industry] Conflero E, et al. **Ann Ist Super Sanita** 1981;17(3):437–42 **(Ita)**
[5 cases of 'fluoride asthma'] Maestrelli P, et al. **Med Lav** 1981 Jul–Aug;72(4):306–12 (Eng. Abstr.) **(Ita)**
[Fluorides and cancer] Holland RI. **Nor Tannlaegeforen Tid** 1981 Sep;91(12):441–2 **(Nor)**
[Experimental evaluation of the effect of long–term use of sodium fluoride on the bone tissue and various internal organs] Dominiczak K, et al. **Patol Pol** 1981;32(1):67–77 (Eng. Abstr.) **(Pol)**

ANALYSIS

Stability of fluoride solutions in glass and plastic containers. Hattab F. **Acta Pharm Suec** 1981;18(4):249–53
Acute fluoride poisoning associated with an on–site fluoridator in a Vermont elementary school. Vogt RL, et al. **Am J Public Health** 1982 Oct;72(10):1168–9
Microprocessor–controlled determination of fluoride in environmental and biological samples by a method of standard additions with a fluoride ion selective electrode. Phillips KA, et al. **Anal Chem** 1981 Nov;53(13):2141–3
Determination of fluoride ion in bovine milk using a fluoride ion–selective electrode. Beddows CG, et al. **Analyst** 1981 Dec;106(1269):1341–4
Fluoride concentration in dental plaque of naval recruits with and without caries. Gaugler RW, et al. **Arch Oral Biol** 1982;27(3):269–72
Correlations between fluoride concentration, sample weight and acid production in dental plaque from children. Rugg–Gunn AJ, et al. **Arch Oral Biol** 1981;26(1):61–3
An investigation of methods proposed for the analysis of the various forms of fluoride in toothpaste. Cook WD. **Aust Dent J** 1981 Oct;26(5):299–303
The fluoride content of Melbourne's treated public water. de Freitas JF. **Aust Dent J** 1981 Dec;26(6):377–81
Determination, distribution, and adsorption of fluoride in atmospheric–polluted soils. Supharungsun S, et al. **Bull Environ Contam Toxicol** 1982 May;28(5):632–6
Effect of breath–holding on expired gas concentrations of He and SF6 in healthy subjects and patients with obstructive lung disease. Magnussen H, et al. **Bull Eur Physiopathol Respir** 1982 Mar–Apr;18(2):255–9
Fluoride content of surface enamel of Eskimo (Inuit) teeth. Curzon ME, et al. **Can Dent Assoc J** 1981 Jul;47(7):446–8
Fluoride content in enamel after repeated applications of fluoride varnishes in a community with fluoridated water. Seppä L, et al. **Caries Res** 1982;16(1):7–11
Fluoride in mixed human saliva after different topical fluoride treatments and possible relation to caries inhibition. Bruun C, et al. **Community Dent Oral Epidemiol** 1982 Jun; 10(3):124–9
Microdiffusion and fluoride–specific electrode determination of fluoride in infant foods: collaborative study. Dabeka RW, et al. **J Assoc Off Anal Chem** 1981 Jul;64(4):1021–6
Fluoride acquisition by surface enamel of human teeth in vivo following toothbrushing with an amine–fluoride toothpaste. Mushanoff O, et al. **J Dent** 1981 Jun;9(2):144–9
Calcium, phosphorus, fluoride, and pH levels of human dental plaque from areas of varying fluoride levels. Grobler SR, et al. **J Dent Res** 1982 Aug;61(8):986–8
Fluoride in the outer enamel of New Zealand children. I. Its relation to the fluoride concentration of the water supply and to the use of fluoride tablets. Pearce EI, et al. **NZ Dent J** 1981 Oct;77(350):144–9
Fluoride in the outer enamel of New Zealand children. II. Its relation to caries experience. Pearce EI, et al. **NZ Dent J** 1982 Jan;78(351):8–11
Zn concentration of human subgingival calculus related to F, Mg and Cu contents. Knuuttila M, et al. **Scand J Dent Res** 1981 Oct;89(5):412–6
A field study of the validity of static paper sampling in fluoride pollution surveys. Alary J, et al. **Sci Total Environ** 1981 Dec;22(1):11–8
[Amount of fluoride in the teeth of the inhabitants of the high plateaus of Madagascar] Solar S, et al. **Arch Inst Pasteur Madagascar** 1981;48(1):293–6 **(Fre)**
[Fluoride content of various kinds of tea] Strübig W, et al. **Dtsch Zahnarztl Z** 1981 Jun;36(6):379–81 (Eng. Abstr.) **(Ger)**
[In–vivo–evaluation of fluoride concentration in surface enamel after application of fluoride containing tooth paste (author's transl)] Treide A. **Zahn Mund Kieferheilkd** 1981; 69(4):233–40 (Eng. Abstr.) **(Ger)**
[Fluoride map of the Federal Republic of Germany for the prevention of caries. (Naturally occurring fluoride concentrations in drinking waters of the Federal Republic of Germany) (author's transl)] Eberle G. **Zentralbl Bakteriol Mikrobiol Hyg [B]** 1981 Dec; 174(3):191–9 (Eng. Abstr.) **(Ger)**
[Fluoride content of bakery products in Hungary] Mari A, et al. **Fogorv Sz** 1982 Feb;75(2):53–6 (Eng. Abstr.) **(Hun)**

BLOOD

Effects of renal function on serum fluoride level in dogs during and after enflurane anesthesia. Wickström I, et al. **Acta Anaesthesiol Scand** 1981 Jun;25(3):258–62
The relationship between human ionic plasma fluoride and serum creatinine concentrations in cases of renal and cardiac insufficiency in a fluoridated community. Hanhijärvi H, et al. **Proc Finn Dent Soc** 1981;77(6):330–5
Ionic plasma fluoride concentrations related to some diseases in patients from a fluoridated community. Hanhijärvi H, et al. **Proc Finn Dent Soc** 1981;77(6):324–9

DIAGNOSTIC USE

Fluoride balance studies in ambulatory healthy men with and without fluoride supplements. Maheshwari UR, et al. **Am J Clin Nutr** 1981 Dec;34(12):2679–84

METABOLISM

Fluoride uptake by cavity walls from a fluoride–containing amalgam in vitro. An electron microprobe analysis. Tveit AB, et al. **Acta Odontol Scand** 1981;39(2):107–13
Renal clearance of fluoride in a steady state condition in man: influence of urinary flow and pH changes by diet. Ekstrand J, et al. **Acta Pharmacol Toxicol (Copenh)** 1982 May;50(5):321–5
Relationship between plasma, dentin and bone fluoride concentrations in rats following long–term fluoride administration. Ekstrand J, et al. **Acta Pharmacol Toxicol (Copenh)** 1981 May;48(5):433–7
Fluoride balance studies in ambulatory healthy men with and without fluoride supplements. Maheshwari UR, et al. **Am J Clin Nutr** 1981 Dec;34(12):2679–84
In–vitro study of the cellular control of 18F uptake in the enamel of developing rat molar teeth. Bawden JW, et al. **Arch Oral Biol** 1981;26(6):487–90
Fluoride–binding by organic matrix from early and late developing bovine fetal enamel determined by flow–rate dialysis. Crenshaw MA, et al. **Arch Oral Biol** 1981; 26(6):473–6
Preliminary fractionation of fluoride–binding constituents of human oral Streptococcus sanguis. Katayama T, et al. **Arch Oral Biol** 1981;26(4):341–2
Fluoride–uptake and fluoride–residual of fluoride–treated human root dentine in vitro determined by chemical, scanning electron microscopy and X–ray diffraction analyses. Laufer B, et al. **Arch Oral Biol** 1981;26(3):159–63
Fluoride distribution in rat molar enamel. Retief DH, et al. **Arch Oral Biol** 1981;26(8):687–91
Chemical and morphological aspects of fluoride acquisition by enamel from topical application of ammonium fluoride with ammonium monofluorophosphate. Caslavska V, et al. **Caries Res** 1982;16(2):170–8
Fluoride uptake and in vitro caries–like lesion formation in enamel after two–step topical fluoride applications. Crall JJ, et al. **Caries Res** 1982;16(2):162–9
Comparison of fluoride uptake by human enamel from acidulated phosphate fluoride gels with different fluoride concentrations. Dijkman AG, et al. **Caries Res** 1982; 16(2):197–200
Effect on fluoride uptake by enamel and on the progress of artificially produced caries–like lesions of applying successively two different fluoride solutions. Joyston–Bechal S, et al. **Caries Res** 1982;16(1):34–41
Fluoriae taken up by plaque, by the underlying enamel and by clean enamel from three fluoride compounds in vitro. Klimek J, et al. **Caries Res** 1982;16(2):156–61
Fluoride accumulation by Streptococcus mutans from a low ionic medium. Mante S, et al. **Caries Res** 1982;16(2):138–46
Bioavailability of fluoride added by baby formula and milk. Spak CJ, et al. **Caries Res** 1982;16(3):249–56
Artificial lesion formation and fluoride uptake after TiF4 applications. Wefel JS. **Caries Res** 1982;16(1):26–33
Cerebral fluoride in mania and the effect of lithium: a hypothesis. Gal EM. **Commun Psychopharmacol** 1980; 4(5):405–9
Fluoride deposited by topical applications with stannous fluoride in human enamel. Dijkman AG, et al. **J Biol Buccale** 1982 Mar;10(1):63–71
Role of the enamel organ in limiting fluoride uptake during the maturation phase of enamel development. Bawden JW, et al. **J Dent Res** 1982 Mar;61(3):506–9
Systemic absorption of fluoride from alginate impression

material in humans [letter] Hattab F. **J Dent Res** 1982 Apr; 61(4):622–3

In vitro hydrolysis of monofluorophosphate by dental plaque microorganisms. Jackson LR. **J Dent Res** 1982 Jul; 61(7):953–6

Pharmacokinetics of fluoride from APF gel and fluoride tablets in children. LeCompte EJ, et al. **J Dent Res** 1982 Mar;61(3):469–72

Fluoride uptake from in situ brushing with a SnF2 and a NaF dentifrice. Mobley MJ. **J Dent Res** 1981 Dec; 60(12):1943–8

Novel topical fluoride delivery system II: remineralization of human teeth. Fox JL, et al. **J Pharm Sci** 1981 Aug; 70(8):910–2

Fluoride remineralization of demineralized bovine tooth enamel and hydroxyapatite pellets. Yonese M, et al. **J Pharm Sci** 1981 Aug;70(8):904–7

Novel topical fluoride delivery system I: remineralization of ground bovine teeth. Yonese M, et al. **J Pharm Sci** 1981 Aug;70(8):907–10

The role of the renal lymphatics in fluoride handling. Sinclair RJ, et al. **Lymphology** 1982 Jun;15(2):51–5

Renal fluoride excretion: experimental evaluation of the role of extracellular volume status during intact and impaired kidney function. Schiffl H, et al. **Nephron** 1981; 29(5–6):245–9

Absorption of fluoride following inhalation and ingestion of alginate impression materials. Hattab F. **Pharmacol Ther Dent** 1981;6(3–4):79–86

The effect of renal impairment of fluoride retention of patients hospitalized in a low-fluoride community. Hanhijärvi H. **Proc Finn Dent Soc** 1982;78(1):13–9

The distribution of fluoride and calcium in the liver of the carbon tetrachloride-poisoned rat. Silverman DM, et al. **Toxicol Appl Pharmacol** 1981 Nov;61(2):172–6

[Fluorine intake by human enamel following brushing with dentifrices with a high fluorine content: an in vitro study] Daculsi G, et al. **Bull Group Int Rech Sci Stomatol Odontol** 1981 Mar; 24(1):27–32 (Eng. Abstr.) **(Fre)**

[In vivo fluoridation by a dentifrice with a high fluorine content] Daculsi G, et al. **Bull Group Int Rech Sci Stomatol Odontol** 1981 Mar; 24(1):33–5 **(Fre)**

[Metabolism of fluorides] Cimasoni G. **SSO Schweiz Monatsschr Zahnheilkd** 1982 Apr; 92(4):315–20 (15 ref.) (Eng. Abstr.) **(Fre)**

[Fluoride uptake of artificial initial carious lesions after treatment with different fluoride compounds] Klimek J. **Dtsch Zahnarztl Z** 1981 Aug;36(8):520–4 (Eng. Abstr.) **(Ger)**

[Fluoride uptake and retention in the dental enamel of adults after the application of NaF tablets and NaF gel in vivo] Klimek J, et al. **Dtsch Zahnarztl Z** 1982 Feb;37(2):181–3 **(Ger)**

PHARMACODYNAMICS

The effect of a NaF solution and a fluoride varnish on the acid resistance of root dentin. Tveit AB, et al. **Acta Odontol Scand** 1982;40(1):35–43

Reduced fluoride sensitivity of liver cells from rats chronically exposed to fluoride. Hongslo JK, et al. **Acta Pharmacol Toxicol (Copenh)** 1980 Nov;47(5):355–8

Fluoride stimulation of the rat parathyroid gland: an ultrastructural study. Ream LJ, et al. **Am J Anat** 1981 Nov; 162(3):233–41

Effect of excessive exposure to sodium fluoride on composition and crystallinity of equine bone tumors. Shupe JL, et al. **Am J Vet Res** 1981 Jun;42(6):1040–2

Enhanced transmembrane proton conductance in Streptococcus mutans GS-5 due to ionophores and fluoride. Eisenberg AD, et al. **Antimicrob Agents Chemother** 1981 May;19(5):807–12

Histaminergic mediation of the response of rat skin to topical fluorides. Essman EJ, et al. **Arch Dermatol Res** 1981; 271(3):325–40

Uptake of fluoride and its inhibitory effects in oral microorganisms in culture. Edgar WM, et al. **Arch Oral Biol** 1981;26(7):615–23

The effects of fluoridated water on rat urine and tissue cAMP levels. Kleiner HS, et al. **Arch Oral Biol** 1982;27(2):107–12

Characterization of glycosaminoglycans from normal and fluoride treated rabbit iliac crest. Jha M, et al. **Biochem Biophys Res Commun** 1982 Mar 30;105(2):711–6

Regulation of protein synthesis in rabbit reticulocyte lysates: inhibition of eIF-2 phosphoprotein phosphatase by NaF, pyrophosphate and cations. Ranu SR, et al. **Biochem Biophys Res Commun** 1981 Sep 16;102(1):30–7

Substrate-dependent inhibition of yeast enolase by fluoride. Spencer SG, et al. **Biochem Biophys Res Commun** 1982 May 31;106(2):553–8

The artifactual nature of fluoride inhibition of reverse transcriptase and associated ribonuclease H. Srivastava SK, et al. **Biochem Biophys Res Commun** 1981 Jul 16; 101(1):183–8

Activation of adenylate cyclase in bovine corpus-luteum membranes by human choriogonadotropin, guanine nucleotides and NaF. Lydon NB, et al. **Biochem J** 1981 Sep 15;198(3):631–8

Metabolic aspects of the secretion of stored compounds from blood platelets. The effect of NaF at different pH on nucleotide metabolism and function of washed platelets. Mürer EH, et al. **Biochem J** 1981 Jan 15;194(1):187–92

Vanadate stimulates adenylate cyclase via the guanine nucleotide regulatory protein by a mechanism differing from that of fluoride. Krawietz W, et al. **Biochem Pharmacol** 1982 Mar 1;31(5):843–8

Fluoride inhibition of yeast enolase. 1. Formation of the ligand complexes. Maurer PJ, et al. **Biochemistry** 1981 Nov 24;20(24):6894–900

Fluoride inhibition of yeast enolase. 2. Structural and kinetic properties of the ligand complexes determined by nuclear relaxation rate studies. Nowak T, et al. **Biochemistry** 1981 Nov 24;20(24):6901–11

Interactions of fluoride and guanine nucleotides with thyroid adenylate cyclase. Goldhammer A, et al. **Biochim Biophys Acta** 1982 Feb 18;701(2):192–9

Variations in the metabolism and maturation of collagen after fluoride ingestion. Sharma YD. **Biochim Biophys Acta** 1982 Mar 15;715(1):137–41

Effect of fluoride on phosphatidylserine-mediated calcium transport. Yaari AM. **Biochim Biophys Acta** 1982 Mar 23; 686(1):1–6

Sodium fluoride activation of human lymphocyte adenylate cyclase is reduced in old age. Doyle VM, et al. **Br J Clin Pharmacol** 1982 Jun;13(6):871–2

Attenuation of evoked field potentials from dentate granule cells by low glucose, pyruvate + malate, and sodium fluoride. Cox DW, et al. **Brain Res** 1982 May 13; 239(2):527–34

Distribution and different activation of adenylate cyclase by NaF and of guanylate cyclase by NaN3 in neuronal and glial cells separated from rat cerebral cortex. Nanba T, et al. **Brain Res** 1981 Aug 10;218(1–2):267–77

Effect of fluoride on copper, manganese and zinc in bone and kidney. Singh M, et al. **Bull Environ Contam Toxicol** 1981 Mar;26(3):428–31

Effect of intraperitoneally injected fluoride on plasma calcium in suckling and adult rats. Larsen MJ, et al. **Calcif Tissue Int** 1981;33(5):541–4

Jack bean urease (EC 3.5.1.5). III. The involvement of active-site nickel ion in inhibition by beta-mercaptoethanol, phosphoramidate, and fluoride. Dixon NE, et al. **Can J Biochem** 1980 Jun;58(6):481–8

Surface characteristics of hydroxyapatite and enamel after adsorption of fluoride-containing macromolecules. Bartels T, et al. **Caries Res** 1982;16(1):51–6

Fluoridation of human enamel by fluoride-containing polyelectrolytes. Bartels T, et al. **Caries Res** 1982; 16(1):57–63

Combined effect of iodine and sodium fluoride on dental caries in rats and on viability of Streptococcus mutans in vitro. Caufield PW. **Caries Res** 1981;15(6):484–91

Effect on fluoride uptake by enamel and on the progress of artificially produced caries-like lesions of applying successively two different fluoride solutions. Joyston-Bechal S, et al. **Caries Res** 1982;16(1):34–41

Artificial lesion formation and fluoride uptake after TiF4 applications. Wefel JS. **Caries Res** 1982;16(1):26–33

The effects of short-term fluoride ingestion on bone formation and resorption in the rat femur. Ream LJ. **Cell Tissue Res** 1981;221(2):421–30

Effects of cyclic AMP and fluoride on phosphorylation of ribosomal protein S6 and on protein synthesis in rabbit reticulocytes. FLoyd GA, et al. **Eur J Biochem** 1981 Jul; 117(2):257–62

Effects of thiol-protecting reagents on the size of solubilized adenylate cyclase and on its ability to be stimulated by guanyl nucleotides and fluoride. Guillon G, et al. **Eur J Biochem** 1981 Jul;117(2):401–6

Stimulation of H+ ion secretion from the isolated mouse stomach by sodium fluoride. Assem ES, et al. **Experientia** 1982 Mar 15;38(3):369–70

Zinc, copper and manganese levels in various tissues following fluoride administration. Kanwar KC, et al. **Experientia** 1981 Dec 15;37(12):1328–9

Microbial populations growing in the presence of fluoride at low pH isolated from dental plaque of children living in an area with fluoridated water. Bowden GH, et al. **Infect Immun** 1982 Apr;36(1):247–54

Enolases from fluoride-sensitive and fluoride-resistant streptococci. Bunick FJ, et al. **Infect Immun** 1981 Dec; 34(3):856–63

Effect of human saliva on the fluoride sensitivity of glucose uptake by Streptococcus mutans. Germaine GR, et al. **Infect Immun** 1981 Dec;34(3):871–9

Response of freshly isolated strains of Streptococcus mutans and Streptococcus mitior to change in pH in the presence and absence of fluoride during growth in continuous culture. Hamilton IR, et al. **Infect Immun** 1982 Apr; 36(1):255–62

Effects of fluoride on sugar phosphate phosphohydrolase from Escherichia coli and Neisseria meningitidis. Lau BW, et al. **Int J Biochem** 1982;14(7):565–7

Hysteretic activation of adenylyl cyclases. I. Effect of Mg ion on the rate of activation by guanine nucleotides and fluoride. Iyengar R, et al. **J Biol Chem** 1981 Nov 10; 256(21):11036–41

SEM and microprobe analyses of enamel-metal-fluoride interactions. Clarkson BH, et al. **J Dent Res** 1981 Nov; 60(11):1912–20

Susceptibility of oral bacteria to various fluoride salts. Maltz M, et al. **J Dent Res** 1982 Jun;61(6):786–90

Comparative effect of SnF2, NaF, and SnCl2 on the growth of Streptococcus mutans. Mayhew RR, et al. **J Dent Res** 1981 Oct;60(10):1809–14

Effect of lactation and calcium deficiency, and of fluoride intake, on bone turnover in rats: isotopic measurements of bone resorption and formation. Wong KM, et al. **J Nutr** 1981 Oct;111(10):1848–54

Solubility of enamel powder following treatments with 1% sodium dodecyl sulphate in the presence and absence of fluoride. Galon E, et al. **J Oral Rehabil** 1981 Jun; 8(4):359–62

Fluoride inhibition of the hydro-osmotic response of the toad urinary bladder to antidiuretic hormone. Yorio T, et al. **J Pharmacol Exp Ther** 1981 Nov;219(2):459–63

Fluoride blocks an inactivation step of transduction in a locust photoreceptor. Payne R. **J Physiol (Lond)** 1982 Apr; 325:261–79

The effect of fluoride in the remineralization of enamel caries and caries-like lesions in vitro. Silverstone LM. **J Public Health Dent** 1982 Winter;42(1):42–53

Scanning electron microscopy of the femoral epiphyseal plate and metaphysis of the rat after short-term fluoride ingestion. Ream LJ, et al. **J Submicrosc Cytol** 1982 Jan; 14(1):73–80

The effects of fluoride on the periosteal and endosteal surfaces of the rat femur. A scanning electron microscope study. Ream LJ, et al. **J Submicrosc Cytol** 1982 Jan; 14(1):81–91

Muscarinic receptor binding in the mouse heart: the selective modulatory effect of fluoride ion on agonist binding. Barritt D, et al. **Life Sci** 1982 Mar 8;30(10):875–7

The use of fluoride for the prevention of chronic intracranial implant dislodgment. Yamamoto BK, et al. **Pharmacol Biochem Behav** 1981 Oct;15(4):663–4

The effect of sodium fluoride on egg production, egg quality, and bone strength of caged layers. Merkley JW. **Poult Sci** 1981 Apr;60(4):771–6

Fluoride stimulation of canine neutrophils: the role of calcium binding. Greenberg JM, et al. **Proc Soc Exp Biol Med** 1982 Jul;170(3):333–40

FRAP: histochemistry of the primary nociceptive neuron. Knyihár-Csillik E, et al. **Prog Histochem Cytochem** 1981; 14(1):1–137

Skeletal development and dental fluorosis in 12—14-year-old Danish girls from a fluoride and a non-fluoride community. Wenzel A, et al. **Scand J Dent Res** 1982 Apr;90(2):83–8

Effect of fluoride on tissue manganese levels in the mouse. Singh M. **Sci Total Environ** 1982 Feb;22(3):285–8

The effect of fluoride on the acid production of Streptococcus mutans and other oral streptococci. Okuda K, et al. **Swed Dent J** 1982;6(1):29–36

Adenyl cyclase activity following fluoride ingestion. Susheela AK, et al. **Toxicol Lett** 1982 Feb;10(2–3):209–12

The effect of sodium fluoride on experimental influenza virus infection in mice. Prahoveanu E, et al. **Virologie** 1981 Oct–Dec;32(4):293–5

Influence of sodium fluoride on isoenzyme patterns in the lung homogenates of mice with experimental influenza infection. Prahoveanu E, et al. **Virologie** 1982 Jan–Mar; 33(1):35–8

[Enzymatic mechanism of otosclerosis. Action of NaF] Causse JR, et al. **Ann Otolaryngol Chir Cervicofac** 1981; 98(6):269–97 (Eng. Abstr.) **(Fre)**

[Effect of molybdenum on the bending and braking resistance of the femur in rats kept on low protein diet] Fejérdy P, et al. **Fogorv Sz** 1981 Aug;74(8):241–7 (Eng. Abstr.) **(Hun)**

[Inhibition mechanism of Polyporus versicolor laccase by halide ions] Ali Naki, et al. **Biokhimiia** 1981 Sep; 46(9):1694–702 (Eng. Abstr.) **(Rus)**

[Interrelation of the regulatory effects of adenosine, ATP and fluoride on heart adenylate cyclase] Avdonin PV, et al. **Biokhimiia** 1982 Mar;47(3):455–64 (Eng. Abstr.) **(Rus)**

[Stable compound of inorganic pyrophosphatase with pyrophosphate obtained by a fluoride-mediated reaction with phosphate] Bakuleva NP, et al. **Biokhimiia** 1981 Sep; 46(9):1674–80 (Eng. Abstr.) **(Rus)**

[Cytogenetic activity of vitamins in the bone marrow cells of rat femurs in sodium fluoride induction of mutations] Aliev AA, et al. **Tsitol Genet** 1981 Nov–Dec;15(6):19–22 **(Rus)**

[Effect of sodium fluoride on succinate dehydrogenase and NADH: cytochrome c-reductase of rat liver mitochondria] Lavrushenko LF. **Ukr Biokhim Zh** 1982;54(1):86–8 (Eng. Abstr.) **(Rus)**

[Effect of fluoride and insulin on cation-dependent ATPase activity of the enterocytes during threonine absorption] Iukhnovets RA, et al. **Vopr Med Khim** 1982 Jul–Aug; 28(4):46–50 (Eng. Abstr.) **(Rus)**

SUPPLY & DISTRIBUTION

[Fluorine supply in Switzerland] Marthaler T, et al. **SSO Schweiz Monatsschr Zahnheilkd** 1982 Apr; 92(4):321–31 (Eng. Abstr.) **(Ger)**

THERAPEUTIC USE

Rational use of fluorides in caries prevention. A concept based on possible cariostatic mechanisms. Fejerskov O, et al. **Acta Odontol Scand** 1981;39(4):241–9 (68 ref.)

Medical therapy of otospongiosis. Shambaugh GE Jr. **Acta Otorhinolaryngol Belg** 1981;35(5–6):390–403

Modification with NaF in disequilibrium of otospongiotic origin. Bretlau P, et al. **Adv Otorhinolaryngol** 1982;28:73–9
Fluoride balance studies in healthy men during bed rest with and without a fluoride supplement.. Maheshwari UR, et al. **Am J Clin Nutr** 1982 Aug;36(2):211–8
Fluoride tablet supplementation during pregnancy for caries immunity: a study of the offspring produced. Glenn FB, et al. **Am J Obstet Gynecol** 1982 Jul 1;143(5):560–4
The results of sulfur hexafluoride gas in vitreous surgery. Abrams GW, et al. **Am J Ophthalmol** 1982 Aug; 94(2):165–71
The enzymatic mechanism of the otospongiotic disease and NaF action on the enzymatic balance. Causse JR, et al. **Am J Otol** 1982 Apr;3(4):297–314
The sodium fluoride 'catch-22' [letter] Shambaugh GE Jr. **Arch Otolaryngol** 1982 Jan;108(1):62
MFP versus stannous fluoride mouthrinses for prevention of decalcification in orthodontic patients. Dyer JR, et al. **ASDC J Dent Child** 1982 Jan–Feb;49(1):19–21
Effects on caries in rats of calcium glycerophosphate and sodium fluoride administered separately and together. Edgar WM, et al. **Caries Res** 1981;15(6):512–4
Relationship between the extent of the initial lesion and the inhibitory effect of APF on the progression of caries-like lesions in vitro. Kidd EA, et al. **Caries Res** 1982;16(1):42–6
Corticosteroid-induced osteopenia and vitamin D metabolism. Effect of vitamin D2, calcium phosphate and sodium fluoride administration. Rickers H, et al. **Clin Endocrinol (Oxf)** 1982 Apr;16(4):409–15
Fluoride exposure combinations and caries in permanent dentition among Finnish children. Hausen H, et al. **Community Dent Oral Epidemiol** 1981 Jun;9(3):108–11
Caries-preventive effects of fluoride tablets in schoolchildren four years after discontinuation of treatments. Driscoll WS, et al. **J Am Dent Assoc** 1981 Dec;103(6):878–81
Clinical and antimicrobial effect of stannous fluoride on periodontitis. Mazza JE, et al. **J Clin Periodontol** 1981 Jun; 8(3):203–12
Decreased alveolar bone resorption in rice rats treated with chlorhexidine and stannous fluoride. Leonard EP, et al. **J Periodont Res** 1980 Nov;15(6):650–4
Fluoride/calcium in osteoporosis [letter] **N Engl J Med** 1982 Aug 12;307(7):441–3
The use of a saliva substitute as treatment for xerostomia in Sjögren's syndrome--a case report. Weisz AS. **Oral Surg** 1981 Oct;52(4):384–6
Treatment of osteoporosis with fluoride, calcium, and vitamin D. Briancon D, et al. **Orthop Clin North Am** 1981 Jul; 12(3):629–48
Otospongiosis: morphologic and microchemical investigation after NaF-treatment. Bretlau P, et al. **Otolaryngol Head Neck Surg** 1981 Jul–Aug;89(4):646–50
Fluoride therapy for the pediatric patient. Kula K, et al. **Pediatr Clin North Am** 1982 Jun;29(3):669–80 (49 ref.)
Fluorides and the changing prevalence of dental caries. Leverett DH. **Science** 1982 Jul 2;217(4554):26–30
Development of artificial carious lesions in enamel after F-varnish (Duraphat) and F-Fe-Al-solution treatment. Petersson LG, et al. **Swed Dent J** 1981;5(5–6):219–23
[Study of pit and fissure fluoride sealant polymerized by ultraviolet light (author's transl)] Su ZZ. **Chung Hua Kou Chiang Ko Tsa Chih** 1982;17(1):40–2 **(Chi)**
[Amine fluorides or mono-fluorophosphate? Generalities and experimental caries] Muhlemann HR, et al. **Rev Odontostomatol (Paris)** 1981 Nov–Dec;10(6):439–45 **(Fre)**
[The influence of transtympanal gas insufflation on the tympanogram. Studies in cases of retracted or adhesive tympanic membranes and in middle ear models (author's transl)] Koch U, et al. **Laryngol Rhinol Otol (Stuttg)** 1981 Aug;60(8):414–7 (Eng. Abstr.) **(Ger)**
[Therapy of primary osteoporosis with sodium fluoride and calcium] Ringe JD, et al. **Med Klin** 1982 Jan 29;77(3):46–9 **(Ger)**
[Caries prevention in adults] Hefti A. **SSO Schweiz Monatsschr Zahnheilkd** 1981 Sep;91 Spec No:672–8 (Eng. Abstr.) **(Ger)**
[Results of a 2-year longitudinal study on nursery school-children drinking fluoridated milk] Zimmermann P, et al. **Fogorv Sz** 1982 Mar;75(3):81–7 **(Hun)**
[Trials - results - conclusions. Duraphat - Fluor Protector] Birkeland JM. **Nor Tannlaegeforen Tid** 1981 Jul; 91(10):368–9 **(Nor)**
[Usage of fluorides - caries: manipulation with statistics] Birkeland JM. **Nor Tannlaegeforen Tid** 1981 Dec; 91(15):535–7 **(Nor)**
[Value and effectiveness of the use of fluoride in preventing dental caries] Wigdorowicz-Makowerowa N. **Postepy Hig Med Dosw** 1980 Sep–Oct;34(5):353–66 (55 ref.) (Eng. Abstr.) **(Pol)**
[Economic effectiveness of dental caries prevention with fluorine preparations] Pashaev KP. **Stomatologiia (Mosk)** 1982 Jan–Feb;61(1):82–3 (Eng. Abstr.) **(Rus)**
[Pathophysiology and treatment of otosclerosis. Use of sodium fluoride therapy] Ivanović A, et al. **Vojnosanit Pregl** 1982 Mar–Apr;39(2):95–9 **(Scr)**
[Experience with treatment of osteoporosis with Ossin (author's transl)] Nemec M, et al. **Acta Chir Orthop Traumatol Cech** 1981;48(6):557–61 (Eng. Abstr.) **(Slo)**

TOXICITY

Effects of fluoride on glycosaminoglycan of cancellous and cortical bone of rabbits. Susheela AK, et al. **Experientia** 1981 Oct 15;37(10):1097–9
Some aromatic amines, anthraquinones and nitroso compounds, and inorganic fluorides used in drinking-water and dental preparations. **IARC Monogr Eval Carcinog Risk Chem Hum** 1982 Apr; 27:1–341
Inorganic fluorides used in drinking-water and dental preparations. **IARC Monogr Eval Carcinog Risk Chem Hum** 1982 Apr; 27:237–303
Reproductive performance of White Leghorns provided fluoride. Merkley JW, et al. **Poult Sci** 1982 Jan;61(1):52–6
Studies on the influence of fluoride compounds upon connective tissue metabolism in growing rats. I. Effect of hydrofluoride on collagen metabolism. Drózdz M, et al. **Toxicol Eur Res** 1981 Sep;3(5):237–41
Effect of sodium fluoride on collagen cross-link precursors. Sharma YD. **Toxicol Lett** 1982 Jan;10(1):97–100
[Fluorine content in normal human gingiva and gingival lesions of fluoride workers (author's transl)] Chang WQ. **Chung Hua Kou Chiang Ko Tsa Chih** 1980 Mar;15(1):15–8 **(Chi)**
[Radiological investigation of hand skeleton in children with environmental exposure to fluorides (author's transl)] Flejsierowicz Z, et al. **Pol Przegl Radiol** 1981 May–Jun; 45(3):157–9 (Eng. Abstr.) **(Pol)**

URINE

Effect of mannitol and furosemide on urinary fluoride excretion of surgical patients anaesthetized with enflurane or halothane. Oikkonen M, et al. **Acta Anaesthesiol Scand** 1982 Feb;26(1):82–7
Reference values of renal excretion of fluoride. Massmann W. **J Clin Chem Clin Biochem** 1981 Oct;19(10):1039–41
Serum fluoride concentrations and urinary excretion of fluoride in patients hospitalized in a low-fluoride community. Hanhijärvi H. **Proc Finn Dent Soc** 1982; 78(1):5–12
[Normal value of urine fluoride and its excretive role (author's transl)] Xiao MZ. **Chung Hua Kou Chiang Ko Tsa Chih** 1982;17(1):36–9 **(Chi)**
[Elimination of fluoride in urine during fluoridation of salt and drinking water] Wespi HJ, et al. **Schweiz Med Wochenschr** 1982 Jul 17;112(29):1033–8 (Eng. Abstr.) **(Ger)**
[24-hour urinary fluoride excretion in salt- and drinking-water fluoridation] Hefti A, et al. **SSO Schweiz Monatsschr Zahnheilkd** 1981 Aug; 91(8):559–65 (Eng. Abstr.) **(Ger)**

FLUORIDES, TOPICAL

Electron spectroscopic studies of interactions between superficially-applied fluorides and surface enamel. Uchtmann H, et al. **J Dent Res** 1982 Feb;61(2):423–8

ADMINISTRATION & DOSAGE

Economic aspects of the prolonged fluoride application method. Enno A, et al. **Aust Dent J** 1982 Apr;27(2):91–3
Fluoride varnishes as cariostatic agents: a review. Yanover L. **Can Dent Assoc J** 1982 Jun;48(6):401–4 (31 ref.)
Fluoride uptake and in vitro caries-like lesion formation in enamel after two-step topical fluoride applications. Crall JJ, et al. **Caries Res** 1982;16(2):162–9
Effect of topical fluoride gel applications on caries incidence in rats. Hefti A. **Caries Res** 1982;16(1):77–9
Fluoride in mixed human saliva after different topical fluoride treatments and possible relation to caries inhibition. Bruun C, et al. **Community Dent Oral Epidemiol** 1982 Jun; 10(3):124–9
A review on fluoride varnishes: an alternative topical fluoride treatment. Clark DC. **Community Dent Oral Epidemiol** 1982 Jun;10(3):117–23
Caries increment in primary teeth after application of Duraphat fluoride varnish. Grodzka K, et al. **Community Dent Oral Epidemiol** 1982 Apr;10(2):55–9
Inhibiting effect on demineralization of permanent root surfaces after different topical application of fluorides and a solution containing Fe- and Al-ions. Dérand T, et al. **Swed Dent J** 1982;6(3):117–20
Kinetics of fluorine in deciduous enamel after application of fluoride-containing varnish (Duraphat). Koch G, et al. **Swed Dent J** 1982;6(1):39–44
[Fluoride, 5 years following a Decree of Parliament] Houwink B. **Ned Tijdschr Geneeskd** 1982 May 15; 126(20):903–5 **(Dut)**
[Prevention of dental caries and fluorine - current therapeutics in 1981] Kohl J. **Rev Belge Med Dent** 1981 Sep;36(5):210–1 **(Fre)**
[Caries along the edge of the filling and its prevention by fluorides] Hotz PR. **SSO Schweiz Monatsschr Zahnheilkd** 1982 Apr;92(4):310–4 (Eng. Abstr.) **(Ger)**

METABOLISM

Chemical and morphological aspects of fluoride acquisition by enamel from topical application of ammonium fluoride with ammonium monofluorophosphate. Caslavska V, et al. **Caries Res** 1982;16(2):170–8
Fluoride deposited topical applications in enamel. KOH-soluble and acquired fluoride. Dijkman AG, et al. **Caries Res** 1982;16(2):147–55
Comparison of fluoride uptake by human enamel from acidulated phosphate fluoride gels with different fluoride concentrations. Dijkman AG, et al. **Caries Res** 1982; 16(2):197–200
Fluoride deposition in enamel from application of sodium, potassium or ammonium fluoride. Gron P, et al. **Caries Res** 1981;15(6):459–67
Effect of NaF, TiF4 and APF solutions on root surfaces in vitro, with special reference to uptake of F. Hals E, et al. **Caries Res** 1981;15(6):468–76
Fluoride deposited by topical applications with stannous fluoride in human enamel. Dijkman AG, et al. **J Biol Buccale** 1982 Mar;10(1):63–71
Pharmacokinetics of fluoride from APF gel and fluoride tablets in children. LeCompte EJ, et al. **J Dent Res** 1982 Mar;61(3):469–72

PHARMACODYNAMICS

Comparison of fluoride toxicity between periodontal pathogenic bacteria and rabbit gingiva. Hume WR, et al. **Arch Oral Biol** 1981;26(6):467–72
The effect of topical fluoride agents on fluoride uptake and surface morphology. Wefel JS, et al. **J Dent Res** 1981 Nov; 60(11):1842–8
Effect of fluorides on the demineralization of dentin. Hotz PR. **SSO Schweiz Monatsschr Zahnheilkd** 1981 Dec; 91(12):1093–9
[The reaction of the gingival epithelium, isolated muscle fibers and arteries to NaF and organic fluorides in topical solutions] Jäger U, et al. **Dtsch Zahnarztl Z** 1981 Jun; 36(6):396–400 (Eng. Abstr.) **(Ger)**

THERAPEUTIC USE

The physician's role in caries prevention. Hess JW, et al. **Am Fam Physician** 1981 Oct;24(4):171–3
Caries progression in primary molars: 24-month results from a minimal treatment programme. Craig GG, et al. **Community Dent Oral Epidemiol** 1981 Dec;9(6):260–5
Four years of monthly professional toothcleaning and topical fluoride application in Brazilian schoolchildren. I. Effect on gingivitis. Bellini HT, et al. **J Clin Periodontol** 1981 Jun;8(3):231–8
Clinical and antimicrobial effect of stannous fluoride on periodontitis. Mazza JE, et al. **J Clin Periodontol** 1981 Jun; 8(3):203–12
The combined application of topical fluoride and fissure sealant--results after 2 years. Low T. **J Oral Rehabil** 1982 Jan;9(1):1–5
Evaluation of a fluoride-containing varnish in children with low caries incidence. Kolehmainen L. **Scand J Dent Res** 1981 Jun;89(3):228–34
Three-year report on caries prevention of using fluoride varnishes for caries risk children in a community with fluoridated water. Seppä L, et al. **Scand J Dent Res** 1982 Apr;90(2):89–94
Development of artificial carious lesions in enamel after F-varnish (Duraphat) and F-Fe-Al-solution treatment. Petersson LG, et al. **Swed Dent J** 1981;5(5–6):219–23
[Amine fluorides or mono-fluorophosphate? Generalities and experimental caries] Muhlemann HR, et al. **Rev Odontostomatol (Paris)** 1981 Nov–Dec;10(6):439–45 **(Fre)**
[3-year results of fluoride therapy by mouth rinsing in nursery school children at Baja] Hanzély B. **Fogorv Sz** 1982 Apr;75(4):103–7 (Eng. Abstr.) **(Hun)**
[Little effect of fluoride toothbrushing?] Birkeland JM. **Nor Tannlaegeforen Tid** 1981 Sep;91(12):436–8 **(Nor)**
[Trials - results - conclusions. Duraphat - Fluor Protector] Birkeland JM. **Nor Tannlaegeforen Tid** 1981 Jul; 91(10):368–9 **(Nor)**
[Economic effectiveness of dental caries prevention with fluorine preparations] Pashaev KP. **Stomatologiia (Mosk)** 1982 Jan–Feb;61(1):82–3 (Eng. Abstr.) **(Rus)**

FLUORINATED HYDROCARBONS see **HYDROCARBONS, FLUORINATED**

FLUORINATED POLYMERS see **FLUOROCARBON POLYMERS**

FLUORINE

Measurement of transmembrane pH gradients in human erythrocytes using 19F NMR. Taylor JS, et al. **Anal Biochem** 1981 Jul 1;114(2):415–8
A fluorine NMR study of model membranes containing 19F-labeled phospholipids and an intrinsic membrane protein. Post JF, et al. **FEBS Lett** 1981 Sep 28; 132(2):257–60
Influence of 16 alpha, 17 alpha-acetal substitution and steroid nucleus fluorination on the topical to systemic activity ratio of glucocorticoids. Brattsand R, et al. **J Steroid Biochem** 1982 Jun;16(6):779–86
Fluorine-labeled retinals and rhodopsins. Liu RS, et al. **Methods Enzymol** 1982;81:694–8
Aspects of the preparation of

18F-2-deoxy-2-fluoro-D-glucose (18FDG) for medical use. Irie T, et al. **Radioisotopes** 1982 Jan;31(1):11-5

ADVERSE EFFECTS

[Effect of protracted exposure to fluorine compounds on the nasal mucosa of chemical plant workers] Mickiewicz L. **Ann Acad Med Stetin** 1981;27:469-87 (Eng. Abstr.) **(Pol)**

ANALYSIS

Limitations of the sodium fusion assay for fluorinated metabolites. Ivanetich KM, et al. **Anesth Analg (Cleve)** 1982 Sep;61(9):786-7

[The relationship between malignancy and fluorine content in the drinking water in Xilinkuolemeng, Nei Menggu (author's transl)] A LT, et al. **Chung Hua Chung Liu Tsa Chih** 1981 Feb;3(1):19-21 (Eng. Abstr.) **(Chi)**

[Fluorine content in normal human gingiva and gingival lesions of fluoride workers (author's transl)] Chang WQ. **Chung Hua Kou Chiang Ko Tsa Chih** 1980 Mar;15(1):15-8 **(Chi)**

[A preliminary discussion of the effect of high fluorine content in tea leaves on caries prevention (author's transl)] Zhou DC. **Chung Hua Kou Chiang Ko Tsa Chih** 1980 Mar; 15(1):53-4 **(Chi)**

[Observations on reduced drinking water fluorine content in the control of endemic fluorosis in four years (author's transl)] Xu CW, et al. **Chung Hua Yu Fang I Hsueh Tsa Chih** 1981 Jul;15(4):216-7 **(Chi)**

[Fluorine determination in lemonades and mineral waters (author's transl)] Mertens N, et al. **J Pharm Belg** 1982 Jan-Feb;37(1):53-8 (Eng. Abstr.) **(Fre)**

[Animal fluorosis and fluoride content in feed: analytical determination and evaluation of methods employed (author's transl)] Pepe A, et al. **Ann Ist Super Sanita** 1981; 17(2):199-212 (Eng. Abstr.) **(Ita)**

[Fluorine and other cations in the drinking water on an area of endemic fluorosis. II] Rapisarda E, et al. **Minerva Stomatol** 1981 Nov-Dec;30(6):521-5 (Eng. Abstr.) **(Ita)**

[Fluorine and cations in the soils of an endemic fluorosis area. III] Rapisarda E, et al. **Minerva Stomatol** 1982 Jan-Feb;31(1):39-42 (Eng. Abstr.) **(Ita)**

[Effect of prophylactic doses of fluorine on its level in human milk] Kośiacz D. **Pediatr Pol** 1982 Jan;57(1):29-36 (Eng. Abstr.) **(Pol)**

[Health status of school children and the fluorine content in drinking water] Maziarka S, et al. **Rocz Panstw Zaki Hig** 1981;32(2):175-81 (Eng. Abstr.) **(Pol)**

[Determination of the fluorine ion in biological tissues] Radovskaia TL, et al. **Gig Sanit** 1981 Jul;(7):59-61 **(Rus)**

[Comparative study of the fluorine content of the biological tissues of aluminum plant workers] Medvedeva VN, et al. **Gig Tr Prof Zabol** 1981 Sep;(9):45-7 **(Rus)**

[Calcium, phosphorus and fluorine content of the surface layer of the enamel in caries and similar dental lesions] Borovskiĭ EV, et al. **Stomatologiia (Mosk)** 1982 May-Jun; 61(3):32-4 (Eng. Abstr.) **(Rus)**

[Calcium, phosphorus and fluorine content in human dental enamel] Breus VE. **Stomatologiia (Mosk)** 1981 Nov-Dec; 60(6):52-4 (Eng. Abstr.) **(Rus)**

[Deciduous tooth eruption and fluorosis in the case of increased fluorine content in the drinking water] Krylov SS, et al. **Stomatologiia (Mosk)** 1982 Jan-Feb;61(1):75-7 (Eng. Abstr.) **(Rus)**

BLOOD

Sodium biphenyl method for determination of covalently bound fluorine in organic compounds and biological materials. Venkateswarlu P. **Anal Chem** 1982 Jun; 54(7):1132-7

DIAGNOSTIC USE

Dosimetry and preliminary human studies of 18F-5-fluorouracil. Shani J, et al. **Int J Nucl Med Biol** 1982;9(1):25-35

Cerebral blood flow using PET measurements of fluoromethane kinetics. Holden JE, et al. **J Nucl Med** 1981 Dec;22(12):1084-8

Work in progress: [18F] fluorodeoxyglucose and positron emission tomography in the evaluation of radiation necrosis of the brain. Patronas NJ, et al. **Radiology** 1982 Sep; 144(4):885-9

IMMUNOLOGY

[Sensitization to fluorine and manganese compounds and the state of the oral cavity in workers in the electric pipe welding industry] Melekhin AV, et al. **Gig Tr Prof Zabol** 1981 Aug;(8):12-4 (Eng. Abstr.) **(Rus)**

METABOLISM

The radiation dosimetry of 2 [F-18]fluoro-2-deoxy-D-glucose in man. Jones SC, et al. **J Nucl Med** 1982 Jul;23(7):613-7

Kinetics of fluorine in deciduous enamel after application of fluoride-containing varnish (Duraphat). Koch G, et al. **Swed Dent J** 1982;6(1):39-44

[Effect of rations containing fluorine ion on biochemical and hematological indices of body status] Lykova AS, et al. **Vopr Pitan** 1981 Nov-Dec;(6):46-7 (Eng. Abstr.) **(Rus)**

PHARMACODYNAMICS

[Fluorine as an inhibitor of dental plaque] Haimovici A, et al. **Rev Med Chir Soc Med Nat Iasi** 1981 Apr-Jun; 85(2):371-2 **(Rum)**

THERAPEUTIC USE

[Effect of fluorine and other trace elements on the development of experimental dental caries in thyroid dysfunction] Pashaev ChA, et al. **Stomatologiia (Mosk)** 1981;60(4):6-8 (Eng. Abstr.) **(Rus)**

TOXICITY

[Effect of nitrate and fluorine compounds entering the body simultaneously] Diskalenko AP, et al. **Gig Sanit** 1981 Dec; (12):66-7 **(Rus)**

URINE

Determination of ultratrace levels of fluorine in water and urine samples by a gas chromatographic/atmospheric pressure helium microwave induced plasma emission spectrometric system. Chiba K, et al. **Anal Chem** 1982 Apr; 54(4):761-4

FLUORMETHYLDEHYDROCORTICOSTERONE see **FLUOCORTOLONE**

FLUOROACETATES

A volatile liquid chromatography system for nucleotides. Axelson JT, et al. **Anal Biochem** 1981 Sep 15;116(2):357-60

A rapid method for acid hydrolysis of protein with a mixture of trifluoroacetic acid and hydrochloric acid. Tsugita A, et al. **Eur J Biochem** 1982 Jun;124(3):585-8

Facile acylation of glycerophosphocholine catalyzed by trifluoroacetic anhydride. Kanda P, et al. **J Lipid Res** 1981 Jul;22(5):877-9

PHARMACODYNAMICS

Comparison of insulin hypoglycemia-induced and fluoroacetate-induced convulsions in gold thioglucose lesioned mice. Marrazzi MA, et al. **Biochem Pharmacol** 1981 Dec 1;30(23):3231-7

The effect of trifluoroacetyl-cytochrome c on the cytochrome c/cytochrome c oxidase reaction. Gergerich J, et al. **Hoppe Seylers Z Physiol Chem** 1981 Nov; 362(11):1533-7

[Effect of sodium fluoroacetate on oxygen consumption in liver and skeletal muscles of rats and cats] Artiushkova VA, et al. **Vopr Med Khim** 1982 Jan-Feb;28(1):77-81 (Eng. Abstr.) **(Rus)**

FLUOROCARBON AEROSOLS see **FREONS**

FLUOROCARBON EMULSIONS see **FLUOROCARBONS**

FLUOROCARBON POLYMERS

Epigard in the management of eyelid neoplasms. La Piana FG. **Ophthalmic Surg** 1981 Oct;12(10):744-6

[Physical and chemical properties of fluorocarbons polymers used in pharmacy. Application to medical and surgical equipment control (author's transl)] Hamon M, et al. **Ann Pharm Fr** 1981;39(5):411-9 (Eng. Abstr.) **(Fre)**

[The composition and toxicity of thermal destruction products of fluorine-containing synthetic materials] Poddubnaia LT, et al. **Gig Sanit** 1981 Dec;(12):61-3 **(Rus)**

FLUOROCARBON PROPELLANTS see **FREONS**

FLUOROCARBON RESINS see **FLUOROCARBON POLYMERS**

FLUOROCARBONS

see related

BLOOD SUBSTITUTES

Clinical studies of a perfluorochemical whole blood substitute (Fluosol-DA) Summary of 186 cases. Mitsuno T, et al. **Ann Surg** 1982 Jan;195(1):60-9

Fluosol-DA: an artificial blood for total cardiopulmonary bypass. Engelman RM, et al. **Ann Thorac Surg** 1981 Dec; 32(6):528-35

Optimal myocardial protection with fluosol cardioplegia. Magovern GJ Jr, et al. **Ann Thorac Surg** 1982 Sep; 34(3):249-57

Fluosol cardioplegia--a method of optimizing aerobic metabolism during arrest. Rousou JH, et al. **Circulation** 1982 Aug;66(2 Pt 2):I55-9

Accuracy of pfc emulsion measurements [letter] Rosen AL, et al. **Crit Care Med** 1982 Sep;10(9):621

Fluorocarbon emulsions: methodology to assess efficacy. Rosen AL, et al. **Crit Care Med** 1982 Mar;10(3):149-54

Use of perfluoroalkanoic acids as volatile ion pairing reagents in preparative HPLC. Harding DR, et al. **Int J Pept Protein Res** 1981 Aug;18(2):214-20

Can 'artificial blood' live up to public billing? [news] Cowart VS. **JAMA** 1982 Feb 26;247(8):1104-5

Approaches to the preparation of oxygen carriers for use as blood substitutes. Baldwin JE, et al. **Med Lab Sci** 1982 Jan;39(1):45-51 (72 ref.)

Diffusion coefficients of respiratory gases in a perfluorocarbon liquid. O'Brien RN, et al. **Science** 1982 Jul 9;217(4555):153-5

Generation of plasmatic coagulation factors by the isolated rat liver perfused with completely synthetic blood substitute. Owen CA Jr, et al. **Thromb Res** 1981 May 1; 22(3):259-66

[Electron microscopic detections on emulsions of perfluorocarbon blood substitute (author's transl)] Dai ZQ. **Chung Kuo Yao Li Hsueh Pao** 1982 Mar;3(1):35-7 (Eng. Abstr.) **(Chi)**

[Experimental research on the use of fluorocarbon compounds (FC 43) as blood substitutes] Motta G, et al. **Boll Soc Ital Biol Sper** 1981 Dec 30;57(24):2529-35 (Eng. Abstr.) **(Ita)**

[Problem of creating 'artificial blood' based on organofluorine compounds] Iarochkin VS, et al. **Patol Fiziol Eksp Ter** 1981 May-Jun;(3):78-87 (68 ref.) **(Rus)**

ADMINISTRATION & DOSAGE

Suppression of brain swelling with mannitol and perfluorochemicals. An experimental study. Suzuki J, et al. **Acta Neurochir (Wien)** 1981;58(3-4):149-60

Direct effects of carbon monoxide on cardiac function. Takano T, et al. **Int Arch Occup Environ Health** 1981; 49(1):35-40

[Development of new methods in suppressing brain infarction--combined administration of mannitol and perfluorochemicals (author's transl)] Suzuki J, et al. **Hokkaido Igaku Zasshi** 1981 Jul;56(4):367-73 (Eng. Abstr.) **(Jpn)**

[Fluosol-DA in extracorporeal circulation - an experimental study (author's transl)] Ozono H, et al. **Kyobu Geka** 1981 Oct;34(10):776-80 (Eng. Abstr.) **(Jpn)**

[Experimental study of new cerebral protective substances--functional recovery of severe, incomplete ischemic brain pretreated with mannitol and fluorocarbon emulsion-- (author's transl)] Mizoi K, et al. **No Shinkei Geka** 1981 Jul;9(8):905-9 (Eng. Abstr.) **(Jpn)**

[Suppression of infarctic changes with mannitol and fluorochemicals--an experimental study] Tanaka S, et al. **No To Shinkei** 1981 Nov;33(11):1141-6 (Eng. Abstr.) **(Jpn)**

ADVERSE EFFECTS

Activation of plasma complement by perfluorocarbon artificial blood: probable mechanism of adverse pulmonary reactions in treated patients and rationale for corticosteroids prophylaxis. Vercellotti GM, et al. **Blood** 1982 Jun;59(6):1299-1304

ANALYSIS

[Monitoring of occupational exposure to fluorocarbons by analysis of alveolar air and blood] Brugnone F, et al. **Med Lav** 1981 Nov-Dec;72(6):480-7 (Eng. Abstr.) **(Ita)**

[Determination of fluorocarbons in organs by gas chromatography] Aprosin IuD, et al. **Probl Gematol Pereliv Krovi** 1982;27(1):58-60 **(Rus)**

[Gas chromatographic method of determining polydispersion in the staged centrifugation of perfluoro compound emulsions as bases for a complex oxygen-carrier blood substitute] Sidliarov DP, et al. **Probl Gematol Pereliv Krovi** 1982 Feb;27(2):59-62 **(Rus)**

BLOOD

Replacement of red cell functions by cyclic fluorocarbon emulsions. Clark LC Jr, et al. **Prog Clin Biol Res** 1981; 55:595-608

METABOLISM

Characterization of fluorinated metabolites by a gas chromatographic-helium microwave plasma detector--the biotransformation of 1H, 1H, 2H, 2H-perfluorodecanol to perfluorooctanoate. Hagen DF, et al. **Anal Biochem** 1981 Dec;118(2):336-43

Vascular perfusion of the isolated rat stomach with a fluorocarbon emulsion. Van Huis GA, et al. **Cut** 1981 Sep; 22(9):713-9

Concentration of perfluorohexyl bromide in dog plasma and selected tissues. Scrime M, et al. **J Pharm Sci** 1981 Nov; 70(11):1199-201

[Controlled cell cultivation. VIII. Cultivation of BHK-21 cells on liquid fluorocarbon emulsions] Gavriliuk BK, et al. **Tsitologiia** 1982 Mar;24(3):349-51 **(Rus)**

PHARMACODYNAMICS

Isolated working rat heart perfusion with perfluorochemical emulsion Fluosol-43. Segel LD, et al. **Am J Physiol** 1982 Apr;242(4):H485-9

Variation in toxicity of Escherichia coli endotoxin after treatment with perfluorated blood substitutes in mice. Lutz J, et al. **Circ Shock** 1982;9(2):99-106

Effects of fluorocarbon infusion on microcirculation during

cardiopulmonary bypass. Ochi S, et al. **Clin Ther** 1982; 4(6):465–71

Maintenance of rat liver viability enhanced by cold flushing with oxygenated perfluorochemicals. Konno T, et al. **Jpn J Surg** 1981;11(3):209–13

Oxygen transport in vivo by means of perfluorochemical preparations [editorial] Geyer RP. **N Engl J Med** 1982 Jul 29;307(5):304–5

Effects of a transfusion with a blood substitute (Fluosol–DA, 20%) on cerebral circulation in the monkey. Nagasawa S, et al. **Neurol Res** 1981;3(3):237–50

[Hemorheologic studies on intravenous infusion of perfluorocarbon blood substitute in monkeys (author's transl)] Ding XC, et al. **Chung Kuo Yao Li Hsueh Pao** 1982 Mar;3(1):38–41 (Eng. Abstr.) **(Chi)**

[Effects of FDA 20 infusion on endocrine function in surgical patients (author's transl)] Matsuki A, et al. **Masui** 1982 Mar; 31(3):235–9 (Eng. Abstr.) **(Jpn)**

[Effects of fluorocarbon on plasma amylase and beta–glucuronidase activities in dogs during hemorrhagic shock (author's transl)] Yamashita M, et al. **Masui** 1981 Jun;30(6):582–7 (Eng. Abstr.) **(Jpn)**

[Perfusion of the isolated heart using ftoksilol, an emulsion of perfluorocarbons] Kontuganov NN, et al. **Biull Eksp Biol Med** 1982 May;93(5):109–11 (Eng. Abstr.) **(Rus)**

[Oxygen carbon dioxide solubility in organofluorine fluids and organofluorine–based emulsions] Kuznetsova IN, et al. **Probl Gematol Pereliv Krovi** 1981 Jun;26(6):51–4 **(Rus)**

[Effect of emulsion of perfluorocarbons on peripheral blood of rats] Sedova LA. **Probl Gematol Pereliv Krovi** 1982 Apr; 27(4):40–2 **(Rus)**

RADIATION EFFECTS

[Effects on artificial blood substitute (fluosol–DA) by 60Co gamma–ray irradiation (author's transl)] Itoh YH, et al. **Kokyu To Junkan** 1982 Feb;30(2):159–63 (Eng. Abstr.) **(Jpn)**

THERAPEUTIC USE

Effects of intravenous fluorocarbons during and without oxygen enhancement on acute myocardial ischemic injury assessed by measurement of intramyocardial gas tensions. Rude RE, et al. **Am Heart J** 1982 Jun;103(6):986–95

The intraluminal administration of perfluorochemicals to the ischaemic gastrointestinal tract. Baba S, et al. **Aust NZ J Surg** 1981 Oct;51(5):468–72

Intra–abdominal sepsis and perfluorocarbons: mechanism of protection. Hoyt DB, et al. **Curr Surg** 1982 May–Jun; 39(3):165–7

Success in the radical resection of esophageal cancer with artificial blood infusion: case report. Mitsuno T, et al. **Int Surg** 1981 Oct–Dec;66(4):355–8

Oxygenated fluorocarbon perfusion as treatment of acute spinal cord compression injury in dogs. Hansebout RR, et al. **J Neurosurg** 1981 Nov;55(5):725–32

Synergistic effect of perfluorochemicals on BCNU chemotherapy. Experimental study in a 9L rat brain–tumor model. Kuwamura K, et al. **J Neurosurg** 1982 Oct; 57(4):467–71

Blood: what's new and over the horizon. Mattox KL. **Med Instrum** 1981 Jul–Aug;15(4):259–60

The preoperative treatment of severely anemic patients with a perfluorochemical oxygen–transport fluid, Fluosol–DA. Tremper KK, et al. **N Engl J Med** 1982 Jul 29;307(5):277–83

Development of a perfluorochemical whole blood substitute (Fluosol–DA, 20%)—an overview of clinical studies with 185 patients. Suyama T, et al. **Prog Clin Biol Res** 1981; 55:609–28

Protective effect of Fluosol–DA in acute cerebral ischemia. Peerless SJ, et al. **Stroke** 1981 Sep–Oct;12(5):558–63

The protective effect of mannitol and perfluorochemicals on hemorrhagic infarction: an experimental study. Kagawa S, et al. **Surg Neurol** 1982 Jan;17(1):66–70

A new therapeutic method for acute brain infarction: revascularization following the administration of mannitol and perfluorochemicals—a preliminary report. Suzuki J, et al. **Surg Neurol** 1982 May;17(5):325–32

Which is the foreseeable clinical application of oxygen–carrying blood substitutes (fluorocarbons and hemoglobin solutions)? Which impact are they likely to have on the activity of blood services? **Vox Sang** 1982 Feb; 42(2):97–109

[Fluorocarbons: applications to cardiovascular surgery (author's transl)] Menasché P, et al. **Nouv Presse Med** 1982 Jun 26;11(30):2289–92 (Eng. Abstr.) **(Fre)**

[Clinical experience of hemodilution with fluosol–DA (author's transl)] Fukushima K, et al. **Masui** 1981 Jul; 30(7):741–5 (Eng. Abstr.) **(Jpn)**

[Studies on the effect of Fluosol DA (FC) against acute cerebral ischemia (author's transl)] Fujita K, et al. **Neurol Med Chir (Tokyo)** 1981 Dec;21(12):1209–13 (Eng. Abstr.) **(Jpn)**

[Protective effect of fluosol–DA in acute cerebral ischemia (author's transl)] Ishikawa R, et al. **No Shinkei Geka** 1981 Dec;9(13):1503–8 (Eng. Abstr.) **(Jpn)**

[The protective effect of mannitol and artificial blood (perfluorochemicals) on hemorrhagic infarction — experimental study (author's transl)] Kagawa S, et al. **No Shinkei Geka** 1981 Nov;9(12):1417–22 (Eng. Abstr.) **(Jpn)**

FLUOROCHROMES see **FLUORESCENT DYES**

9–FLUOROCORTISOL see **FLUDROCORTISONE**

FLUORODEOXYURIDINE

Differential stabilization by netropsin of inducible B–like conformations in deoxyribo–, ribo– and 2'–deoxy–2'–fluororibo–adenosine containing duplexes of (dA)n . (dT)n and (dA)n . (dU)na. Zimmer C, et al. **Nucleic Acids Res** 1982 Mar 11;10(5):1721–32

ADMINISTRATION & DOSAGE

Intra–arterial chemotherapy using an implantable infusion pump and liver irradiation for the treatment of hepatic metastases. Barone RM, et al. **Cancer** 1982 Sep 1; 50(5):850–62

Phase I clinical study with 5'–deoxy–5–fluorouridine, a new fluoropyrimidine derivative. Abele R, et al. **Cancer Treat Rep** 1982 Jun;66(6):1307–13

ANALOGS & DERIVATIVES

Selective activation of 5'–deoxy–5–fluorouridine by tumor cells as a basis for an improved therapeutic index. Armstrong RD, et al. **Cancer Res** 1981 Dec;41(12 Pt 1):4891–4

ANALYSIS

Reversed–phase ion–pair high–performance liquid chromatographic assay of 5–fluorouracil, 5'–deoxy–5–fluorouridine, their nucleosides, mono–, di–, and triphosphate nucleotides with a mixture of quaternary ammonium ions. Au JL, et al. **J Chromatogr** 1982 Mar 12; 228:245–56

BLOOD

Determination of a novel fluoropyrimidine, 5'–deoxy–5–fluorouridine, in plasma by high–performance liquid chromatography. Sommadossi JP, et al. **J Chromatogr** 1981 Oct 9;225(2):516–20

GENETICS

[Formation of chromosome aberrations in human lymphocytes to the action of 5–fluorodeoxyuridine used separately and in combination with gamma irradiation: changes in the effect in the course of the mitotic cycle] Poriadkova NA, et al. **Genetika (Moskva)** 1981; 17(12):2212–9 (Eng. Abstr.) **(Rus)**

METABOLISM

The incorporation of 5–fluoro–2'–deoxyuridine into DNA of mammalian tumor cells. Danenberg PV, et al. **Biochem Biophys Res Commun** 1981 Sep 30;102(2):654–8

A simple and convenient assay method for phosphorolysis of 5'–deoxy–5–fluorouridine. Miwa M, et al. **Gan** 1981 Dec; 72(6):965–8

PHARMACODYNAMICS

The effect of 5–fluorouracil and 5–fluorocytosine on the development of the filarial nematodes Brugia pahangi and Dirofilaria immitis. Howells RE, et al. **Acta Trop (Basel)** 1981 Sep;38(3):289–304

Marker X chromosome induction in fibroblasts by FUdR [letter] Tommerup N, et al. **Am J Med Genet** 1981; 9(3):263–4

Effects of fluorodeoxyuridine on the developing inner ear of the rat. Khan KM, et al. **Anat Rec** 1982 Mar; 202(3):359–70

Regulation of rRNA synthesis and processing in animal cells. Effect of nucleoside analogues. Iapalucci–Espinoza S, et al. **Biochem J** 1982 Feb 15;202(2):325–32

Antitumor activity of 3',5'–diesters of 5–fluoro–2'–deoxyuridine against murine leukemia L1210 cells. Kanzawa F, et al. **Cancer Chemother Pharmacol** 1981; 6(1):19–23

Modulation of 1–beta–D–arabinofuranosylcytosine metabolism and cytotoxicity in L1210 cells by fluoropyrimidine pretreatment. Grant S, et al. **Cancer Res** 1982 Sep;42(9):3550–6

Correlation between the cell cycle in the neurectoderm and differentiation during the early development of Xenopus laevis. 2 Inhibition of DNA synthesis and mitosis during gastrulation. Maleyvar RP, et al. **Cytobios** 1981; 32(126):97–105

Inhibitory effect of 5–halogenated deoxyuridines on in vitro keratinization of a transformed rat urinary bladder epithelial cell line. Kawamura H, et al. **Gan** 1981 Apr; 72(2):264–71

Selective expansion of mitochondrial nucleoside triphosphate pools in antimetabolite–treated HeLa cells. Bestwick RK, et al. **J Biol Chem** 1982 Aug 25;257(16):9300–4

Mitotic delay following inhibition by 5'–fluorodeoxyuridine of S–phase in Physarum is not due to delay in termination of S–phase. Kauffman SA, et al. **J Cell Sci** 1982 Feb; 53:143–54

5–Fluoro–2'–deoxyuridine induction of the fragile site on Xq28 associated with X linked mental retardation. Tommerup N, et al. **J Med Genet** 1981 Oct;18(5):374–6

Thymidylate synthetase levels as a factor in 5–fluorodeoxyuridine and methotrexate cytotoxicity in gastrointestinal tumor cells. Washtien WL. **Mol Pharmacol** 1982 May;21(3):723–8

THERAPEUTIC USE

Antiproliferative action of a novel fluorinated uridine analog, 5'–deoxy–5–fluorouridine, measured in vitro and in vivo on four different murine tumor lines. Hartmann HR, et al. **Cancer Res** 1982 Jun;42(6):2412–5

FLUORODEOXYURIDYLATE see under **DEOXYURACIL NUCLEOTIDES**

FLUORODEXAMETHASONE see **FLUMETHASONE**

FLUOROMETHOLONE

THERAPEUTIC USE

Fluorometholone acetate. A new ophthalmic derivative of fluorometholone. Kupferman A, et al. **Arch Ophthalmol** 1982 Apr;100(4):640–1

FLUOROMETRY

Falsely normal value in fluorometric transferase screening of galactosemic blood. A cautionary note. Beutler E, et al. **Am J Clin Pathol** 1981 Dec;76(6):841–2

Fluorimetric determination of cefuroxime in body fluids. Al–Rawi ZH, et al. **Antimicrob Agents Chemother** 1981 Jul; 20(1):25–9

Automatic lactate determination by flow injection analysis. Rydevik U, et al. **Int J Sports Med** 1982 Feb;3(1):47–9

[Fluorometric technics – principles and possibilities for use in clinical chemistry] Beneking M. **Med Lab (Stuttg)** 1981 Dec;34(12):305–13 **(Ger)**

[ccDNA–DAPI complexes: fluorimetric determination of various chemico–physical parameters] Dall'Asta R, et al. **Acta Biomed Ateneo Parmense** 1981;52(2–3):159–64 **(Ita)**

INSTRUMENTATION

Evaluation and comparison of commercial vitreous fluorophotometers. Zeimer RC, et al. **Invest Ophthalmol Vis Sci** 1981 Dec;21(6):865–8

Intracellular oxidation–reduction state measured in situ by a multichannel fiber–optic surface fluorometer. Mayevsky A, et al. **Science** 1982 Aug 6;217(4559):537–40

[Fluorophotometry of the anterior ciliary vein (author's transl)] Agawa T, et al. **Nippon Ganka Gakkai Zasshi** 1981; 85(7):784–8 (Eng. Abstr.) **(Jpn)**

[Microfluorimeter for measuring spot fluorescence intensity on thin–layer chromatograms] Vinokurov MI, et al. **Lab Delo** 1981;(5):313–4 **(Rus)**

METHODS

Determination of serum acid and alkaline phosphatase using 4–methylumbelliferyl phosphate. Omene JA, et al. **Afr J Med Med Sci** 1981 Mar–Jun;10(1–2):9–18

A review of fluoroimmunoassay and immunofluorometric assay. Smith DS, et al. **Ann Clin Biochem** 1981 Sep;18(Pt 5):253–74 (147 ref.)

Vitreous variation in vitreous fluorophotometry. Ross S, et al. **Ann Ophthalmol** 1982 Mar;14(3):245–9

The influence of vitreous change on vitreous fluorophotometry. Prager TC, et al. **Arch Ophthalmol** 1982 Apr;100(4):594–6

Experiences with fluorophotometry. Brooks AM. **Aust J Ophthalmol** 1982 Feb;10(1):41–51

Use of noninvasive fluorometry and spectrophotometry to study epithelial metabolism and transport. Mandel LJ. **Fed Proc** 1982 Jan;41(1):36–41

Direct fluorometric determination of cyanide in human materials. Suzuki O, et al. **Forensic Sci Int** 1982 Mar–Apr; 19(2):189–95

Determination of antibody to measles virus by a fluoroimmunoassay (FIAX). Roesing TG, et al. **J Biol Stand** 1981 Oct;9(4):401–7

Cutaneous sialidase. Mier PD, et al. **J Invest Dermatol** 1982 Apr;78(4):267–9

Fluorescence assay for picomole quantities of ammonia. Mroz EA, et al. **Kidney Int** 1982 Mar;21(3):524–7

Fluorescein kinetics in perilymph and blood: a fluorophotometric study. Applebaum EL. **Laryngoscope** 1982 Jun;92(6 Pt 1):660–71

[Modified method of fluorometric determination of blood histamine (author's transl)] Xiang JJ, et al. **Chung Kuo I Hsueh Ko Hsueh Yuan Hsueh Pao** 1981 Sep; 3(3):183–7 (Eng. Abstr.) **(Chi)**

[Fluorometry of the vitreous body. Technics of evaluation and improvement of the spatial resolution] Quentel G, et al. **Bull Soc Ophtalmol Fr** 1981 Dec;81(12):1101–2 **(Fre)**

[Fluorometric microassays for serum primary bile acids using 7 alpha–hydroxysteroid dehydrogenase (author's transl)] Ikawa S, et al. **Rinsho Byori** 1981 May;29(5):463–6 **(Jpn)**

STANDARDS

Toluene extraction for the fluorometric determination of quinidine [letter] Horvitz RA. **Clin Chem** 1982 Apr;28(4 Pt 1):725

P-FLUOROPHENYLALANINE see under **PHENYLALANINE**

FLUOROSCOPY

Film quality in image intensifier photofluorography. Wihed A, et al. **Acta Radiol [Diagn] (Stockh)** 1981;22(3A):289–94

Three-dimensional localization of pulmonary lesions: a technique to facilitate fluoroscopic needle biopsy. Cusumano JV, et al. **AJR** 1981 Dec;137(6):1273

Angulated fluoroscopy for needle biopsy localization. Smith DF, et al. **AJR** 1982 Apr;138(4):765–7

Percutaneous nephrostomy: comparison of sonographic and fluoroscopic guidance. Zegel HG, et al. **AJR** 1981 Nov; 137(5):925–7

The value of fluoroscopy before performing a phrenic nerve block. Benzon HT, et al. **Anesthesiology** 1981 Oct; 55(4):469–70

A critical assessment of fluoroscopy in peroperative cholangiography. Feeley M, et al. **Ann R Coll Surg Engl** 1982 May;64(3):180–2

Mattresses and fluoroscopy. Couper N, et al. **Br J Radiol** 1982 Mar;55(651):235–7

An assessment of the radiation dose received by staff using fluoroscopic equipment. Faulkner K, et al. **Br J Radiol** 1982 Apr;55(652):272–6

Fluoroscopically guided, percutaneous, transperitoneal fine-needle biopsy. Göthlin JH. **Eur J Radiol** 1982 May; 2(2):130–4

Measurement of x-ray exposures using mailed thermoluminescent dosimeters. Aldrich JE, et al. **J Can Assoc Radiol** 1981 Dec;32(4):202–5

Snapping scapholunate subluxation. Jackson WT, et al. **J Hand Surg** 1981 Nov;6(6):590–4

Image information transfer properties of x-ray fluorescent screens. Dick CE, et al. **Med Phys** 1981 May-Jun; 8(3):337–46

The elimination of grids during intensified fluoroscopy and photofluoro spot imaging. Gray JE, et al. **Radiology** 1982 Jul;144(2):426–9

Radiolucent handle for percutaneous puncture under continuous fluoroscopic monitoring. Rusnak B, et al. **Radiology** 1981 Nov;141(2):538

Fluoroscopic evaluation of skeletal problems. Choplin RH, et al. **Skeletal Radiol** 1981;7(3):191–6

Symposium on endourology. **Urol Clin North Am** 1982 Feb; 9(1):1–205

Endourologic techniques for the bladder and urethra. Schwartz BA, et al. **Urol Clin North Am** 1982 Feb; 9(1):165–7

[Coronary artery calcification fluoroscopy. A report on procedure of detection and clinical significance (author's transl)] Schad N, et al. **Radiol Med (Torino)** 1981 Apr; 67(4):193–204 (60 ref.) (Eng. Abstr.) **(Ita)**

[Fate of patients with lung cancer discovered by radiophotography] Marek L. **Pneumonol Pol** 1982 Dec; 49(12):817–24 (Eng. Abstr.) **(Pol)**

[Possibility of using fluorography in the obstetrical clinic] Volobuev AI, et al. **Akush Ginekol (Mosk)** 1981 May; (5):34–6 (Eng. Abstr.) **(Rus)**

[Increased work efficiency in fluorography offices] Sagatelian EA. **Sov Zdravookhr** 1981;(7):27–9 (Eng. Abstr.) **(Rus)**

ADVERSE EFFECTS

Scatter radiation during fluoroscopy [letter] Morse D. **Ann Thorac Surg** 1981 Dec;32(6):621

INSTRUMENTATION

Low-intensity X-ray-imaging scope (Lixiscope). Its applications in sports medicine and orthopaedic surgery. Tansey WJ. **Am J Sports Med** 1981 Nov-Dec;9(6):360–4

Video funduscopy and fluoroscopy. Haining WM. **Br J Ophthalmol** 1981 Oct;65(10):702–6

The effect of a television digital noise reduction device on fluoroscopic image quality and dose rate. Jaffe CC, et al. **Radiology** 1982 Sep;144(4):789–92

Simultaneous bi-plane digital video-fluoroscopy. Price RR, et al. **Radiology** 1982 Apr;143(1):255–7

Intensive care unit bed extension for fluoroscopy. King C, et al. **S Afr Med J** 1982 Feb 6;61(6):207–9

METHODS

A fluoroscopic method to confirm proper catheter position to measure pulmonary artery wedge pressure. Smucker ML, et al. **Cathet Cardiovasc Diagn** 1982;8(1):83–7

Removal of a foreign body from the esophagus. Jafari N, et al. **Del Med J** 1981 Sep;53(9):443–5

Computerized fluoroscopy: new technique for the noninvasive evaluation of the aorta, coronary artery bypass grafts, and left ventricular function. Myerowitz PD, et al. **J Thorac Cardiovasc Surg** 1982 Jan;83(1):65–73

The indirect lymphangio-fluoroscopy: a method for the visualization 'in vivo' of the lymphatic system. Experimental research. Pace M, et al. **Lymphology** 1981 Mar;14(1):35–7

Concerning dose efficiency in image intensified fluoroscopy [letter] Bernstein H, et al. **Med Phys** 1981 Nov-Dec; 8(6):907

An analysis of dose efficiency in image intensified fluoroscopic examinations. Bernstein H, et al. **Med Phys** 1981 Mar-Apr;8(2):167–73

A method for time domain filtering using computerized fluoroscopy. Kruger RA. **Med Phys** 1981 Jul-Aug; 8(4):466–70

Three-beam K-edge imaging of iodine using differences between fluoroscopic video images: experimental results. Riederer SJ, et al. **Med Phys** 1981 Jul-Aug;8(4):480–7

Three-beam K-edge imaging of iodine using differences between fluoroscopic video images: theoretical considerations. Riederer SJ, et al. **Med Phys** 1981 Jul-Aug; 8(4):471–9

Radiologic evaluation of the Blom-Singer prosthesis for vocal restoration after laryngectomy. Pope TL Jr, et al. **Radiology** 1982 May;143(2):559–60

[Methodological recommendations for conducting mass thoracic fluoroscopies] **Probl Tuberk** 1981 Nov;(11):67–76 **(Rus)**

[Programmed serial large-image fluorography under television control in contrast studies of the heart] Adamov NT, et al. **Vestn Rentgenol Radiol** 1982 May-Jun;(3):78–82 (Eng. Abstr.) **(Rus)**

[Functional study of the spine using large-image fluorography] Kovriga IuP. **Vestn Rentgenol Radiol** 1982 May-Jun;(3):67–70 (Eng. Abstr.) **(Rus)**

[Large-image fluorography under television control in the diagnosis of urogenital diseases] Perel'man VM. **Vestn Rentgenol Radiol** 1982 May-Jun;(3):71–8 (Eng. Abstr.) **(Rus)**

TRENDS

[Status and developmental prospects of fluorography in the public health system] Demidov VP, et al. **Vestn Rentgenol Radiol** 1981 Nov-Dec;(6):5–9 **(Rus)**

UTILIZATION

Declining volume of gastrointestinal fluoroscopies: a survey of 18 hospitals. Gelfand DW, et al. **Gastrointest Radiol** 1982;7(3):227–30

FLUOROSIS, ENDEMIC DENTAL see **MOTTLED ENAMEL**

FLUOROURACIL

Release profiles 5-fluorouracil and its derivatives from polycarbonate matrices in vitro. Kawaguchi T, et al. **Chem Pharm Bull (Tokyo)** 1982 Apr;30(4):1517–20

ADMINISTRATION & DOSAGE

Sequential phase II studies of chemotherapy for colorectal cancer with 5-fluorouracil and vindesine with or without methyl-1,3 cis(2 chloroethyl)-1-nitrosourea. Stroehlein JR, et al. **Am J Clin Oncol** 1982 Aug;5(4):421–7

Preoperative use of 5-fluorouracil suppository for carcinoma of the rectum. Takahashi T, et al. **Am J Surg** 1982 Feb; 143(2):183–5

Treatment of keratoacanthoma with topical application of fluorouracil. Goette DK, et al. **Arch Dermatol** 1982 May; 118(5):309–11

Controlled trial of adjuvant chemotherapy following curative resection for gastric cancer. The Gastrointestinal Tumor Study Group. **Cancer** 1982 Mar 15;49(6):1116–22

Intra-arterial chemotherapy using an implantable infusion pump and liver irradiation for the treatment of hepatic metastases. Barone RM, et al. **Cancer** 1982 Sep 1; 50(5):850–62

Correlation of estrogen receptors and response to chemotherapy of cyclophosphamide, methotrexate, and 5-fluorouracil (CMF) in advanced breast cancer. Chang JC, et al. **Cancer** 1981 Dec 1;48(11):2503–6

Treatment of advanced breast carcinoma with 5-fluorouracil: a randomized comparison of two routes of delivery. Chlebowski RT, et al. **Cancer** 1981 Oct 15;48(8):1711–4

Effects of systemic hyperthermia and intrahepatic infusion with 5-fluorouracil. Daly JM, et al. **Cancer** 1982 Mar 15; 49(6):1112–5

Disease-free survival at intervals during and following completion of adjuvant chemotherapy: the NSABP experience from three breast cancer protocols. Fisher B, et al. **Cancer** 1981 Sep 15;48(6):1273–80

Concomitant hepatic radiation and intraarterial fluorinated pyrimidine therapy: correlation of liver scan, liver function tests, and plasma CEA with tumor response. Lokich J, et al. **Cancer** 1981 Dec 15;48(12):2569–74

Phase I study of protracted venous infusion of 5-fluorouracil. Lokich J, et al. **Cancer** 1981 Dec 15;48(12):2565–8

A phase II study of combined 5-fluorouracil and mitomycin C in advanced breast cancer. Mattsson W, et al. **Cancer** 1982 Jan 15;49(2):217–20

Clinical pharmacological studies of concurrent infusion of 5-fluorouracil and thymidine in treatment of colorectal carcinomas. Au JL, et al. **Cancer Res** 1982 Jul;42(7):2930–7

Optimal schedule of methotrexate and 5-fluorouracil in human breast cancer. Benz C, et al. **Cancer Res** 1982 May; 42(5):2081–6

Clinical and pharmacological studies of methotrexate-minimal leucovorin rescue plus fluorouracil. Wiemann MC, et al. **Cancer Res** 1982 Sep;42(9):3896–900

Melphalan, vincristine, and 5-FU in advanced colonic carcinoma: results of a pilot study. Ashenhurst J, et al. **Cancer Treat Rep** 1981 Sep-Oct;65(9–10):869–72

Chemotherapy for colorectal cancer with a combination of PALA and 5-FU. Bedikian AY, et al. **Cancer Treat Rep** 1981 Sep-Oct;65(9–10):747–53

5-FU, methotrexate, and mitomycin in advanced colorectal adenocarcinoma: a phase II study [letter] Biran H, et al. **Cancer Treat Rep** 1981 Sep-Oct;65(9–10):924–5

Adjuvant combination chemotherapy for operable breast cancer. Trials in progress at the Istituto Nazionale Tumori of Milan. Bonadonna G, et al. **Cancer Treat Rep** 1981;65 Suppl 1:61–5

Randomized comparison of 5-FU alone or combined with mitomycin and cytarabine (MFC) in the treatment of advanced gastric cancer. Cocconi G, et al. **Cancer Treat Rep** 1982 Jun;66(6):1263–6

Combinations of 5-FU, hypoxanthine and allopurinol in chemotherapy for human colon adenocarcinoma xenografts. Houghton JA, et al. **Cancer Treat Rep** 1982 May;66(5):1201–6

Clinical trial of cisplatin and 5-FU infusion as initial treatment for advanced squamous cell carcinoma of the head and neck. Kish J, et al. **Cancer Treat Rep** 1982 Mar; 66(3):471–4

Doxorubicin, mitomycin, and 5-FU (DMF) in the treatment of hormone-resistant stage D prostate cancer: a preliminary report. Logothetis CJ, et al. **Cancer Treat Rep** 1982 Jan; 66(1):57–63

Management of pelvic complications of malignant urothelial tumors with combined intra-arterial and iv chemotherapy. Logothetis CJ, et al. **Cancer Treat Rep** 1982 Jul; 66(7):1501–7

Radiation therapy combined with intra-arterial 5-FU chemotherapy for treatment of localized adenocarcinoma of the pancreas: a Southwest Oncology Group Study. McCracken JD, et al. **Cancer Treat Rep** 1982 Mar; 66(3):549–51

Combination chemotherapy with 5-FU 1-(aminomethyl)-3-(2-chloroethyl)-3-nitrosourea (ACNU), and mitomycin (FUM) for carcinoma of the pancreas. Meguro S, et al. **Cancer Treat Rep** 1982 Aug; 66(8):1645–6

Pilot study of PALA and 5-FU in patients with advanced cancer. O'Connell MJ, et al. **Cancer Treat Rep** 1982 Jan; 66(1):77–80

Sequential methotrexate and 5-FU in the treatment of colorectal cancer. Weinerman B, et al. **Cancer Treat Rep** 1982 Jul;66(7):1553–5

Phase II trial of combination therapy with continuous-infusion PALA and bolus-injection 5-FU. Weiss GR, et al. **Cancer Treat Rep** 1982 Feb;66(2):299–303

Modulation of 5-FU action by thymidine in murine and human tumors. Young CW, et al. **Cancer Treat Rep** 1981; 65 Suppl 3:83–7

Combination chemotherapy with adriamycin and 5-fluorouracil in advanced bladder carcinoma. Veronesi A, et al. **Clin Oncol** 1982 Jun;8(2):103–6

5-Fluorouracil and methotrexate combination chemotherapy: the effect of drug scheduling. Mulder JH, et al. **Eur J Cancer Clin Oncol** 1981 Jul;17(7):831–7

Experimental transcatheter intraarterial infusion-occlusion chemotherapy. Anderson JH, et al. **Invest Radiol** 1981 Nov-Dec;16(6):496–500

Triple drug chemotherapy in treatment of prostate adenocarcinoma Nb Pr A.I.-III. Drago JR, et al. **Invest Urol** 1981 Nov;19(3):191–3

Topical 5-FU helpful in reducing the rate of recurrence of condylomata acuminata [letter] Kumar AA. **J Am Acad Dermatol** 1982 Jul;7(1):136–7

Multi-drug chemotherapy with and without radiation for carcinoma of the stomach and pancreas: a prospective randomized trial. Hazel JJ, et al. **J Can Assoc Radiol** 1981 Sep;32(3):164–5

Sensitization to low dose 5-fluorouracil. Subsequent enhancement of its systemic antitumor effect in the rat. Falk RE, et al. **J Clin Invest** 1982 Sep;70(3):558–67

Phase I-phase II trial of N-phosphonacetyl-L-aspartic acid given by intravenous infusion and 5-fluorouracil given by bolus injection. Erlichman C, et al. **JNCI** 1982 Feb; 68(2):227–31

Compatibility of 5-fluorouracil and total parenteral nutrition solutions. Hardin TC, et al. **JPEN** 1982 Mar-Apr; 6(2):163–5

Sequential chemotherapy of advanced colorectal cancer with standard or high-dose methotrexate followed by 5-fluorouracil. Solan A, et al. **Med Pediatr Oncol** 1982; 10(2):145–9

Studies on surgical adjuvant chemotherapy for colorectal cancer and administration of neocarzinostatin into the lumen of the colon or rectum using a double balloon catheter and iontophoresis. Akao S. **Nippon Geka Hokan** 1981 Jan 1;50(1):67–82

Rectal adenocarcinoma treated with intra-arterial 5-fluorouracil. Prolonged remission. Choy DS, et al. **NY State J Med** 1982 Mar;82(3):369–72

Topical 5-fluorouracil treatment of vaginal intraepithelial neoplasia. Caglar H, et al. **Obstet Gynecol** 1981 Nov; 58(5):580–3

Hepatic artery occlusion with perfusion in the treatment of carcinoid syndrome. Helmer RE 3d, et al. **Oncology** 1981; 38(6):361–4

Sequential hormone-chemotherapy (MAP at high doses and CMF) in metastatic breast cancer. Preliminary results. Pannuti F, et al. **Panminerva Med** 1981 Apr-Jun;23(2):93–6

The therapeutic effect of concurrent administration of

5-fluorouracil and allylestrenol or hexestrol in small doses on prostatic carcinoma. Takeuchi H. **Prostate** 1981;Suppl 1:111-7

The effect of oral administration of amphotericin B on the incorporation of 5-fluorouracil into human gastric cancer tissue. Nakazawa I, et al. **Tohoku J Exp Med** 1981 Mar; 133(3):361-2

Long-term, ambulatory, continuous intravenous infusion of 5-fluorouracil for the treatment of metastatic adenocarcinoma in the liver. Ausman RK, et al. **Wis Med J** 1982 Mar;81(3):25-8

[Combination chemotherapy and radiotherapy. Differential effect, on the medullary syndrome, of fractionated irradiation with fractionated drug administration] Maisin H, et al. **C R Soc Biol (Paris)** 1982;176(1):65-7 (Eng. Abstr.) **(Fre)**

[Combination chemotherapy and radiotherapy. Differential effect, on the intestinal syndrome, of fractionated irradiation with fractionated drug administration] Maisin H, et al. **C R Soc Biol (Paris)** 1982;176(1):62-4 (Eng. Abstr.) **(Fre)**

[Sequential methotrexate and fluorouracil in metastasizing colorectal carcinomas. Results of a phase II pilot study (author's transl)] Herrmann R, et al. **Dtsch Med Wochenschr** 1982 Apr 2;107(13):491-3 (Eng. Abstr.) **(Ger)**

[Local treatment of urethral condylomata by 5-fluorouracil] Mayer P, et al. **Urologe [Ausg A]** 1981 Mar;20(2):93-7 (Eng. Abstr.) **(Ger)**

[Treatment of condyloma acuminatum with 0.5% 5-fluorouracil-solution. A double-blind clinical trial] Weismann K, et al. **Z Hautkr** 1982 Jun 1;57(11):810-6 (Eng. Abstr.) **(Ger)**

[Ligation and catheterization of the hepatic artery in the chemotherapy of primary and secondary hepatic tumors] Lesti G, et al. **Ann Ital Chir** 1981;53(2):191-204 **(Ita)**

[Histological changes of gastric carcinoma by oral administration of anticancer drug (author's transl)] Iwanaga T, et al. **Nippon Gan Chiryo Gakkai Shi** 1981 Oct 20; 16(6):1257-62 (Eng. Abstr.) **(Jpn)**

[Combined adriamycin and 5-fluorouracil therapy in the treatment of advanced cancer of the bladder (author's transl)] Marcuello Gaspar E, et al. **Med Clin (Barc)** 1982 Jul 1-31;79(3):107-9 (Eng. Abstr.) **(Spa)**

ADVERSE EFFECTS

Further observations on two unusual complications of topical fluorouracil therapy [letter] Burnett JW. **Arch Dermatol** 1982 Feb;118(2):74

Severe intoxication after combined chemotherapy of a sigma-adenocarcinoma with peptichemio and 5-fluorouracil [letter] Gasser RW, et al. **Blut** 1981 Nov; 43(5):331-2

Clotting activation after blood transfusion in patients receiving 5-fluorouracil and mitomycin-C treatment. Agnelli G, et al. **Cancer Chemother Pharmacol** 1981; 5(3):205-6

Allopurinol modulation of fluorouracil toxicity. Fox RM, et al. **Cancer Chemother Pharmacol** 1981;5(3):151-5

5-FU cardiotoxicity. Sanani S, et al. **Cancer Treat Rep** 1981 Nov-Dec;65(11-12):1123-5

Carcinogenic activity in rats of combined treatment with cyclophosphamide, methotrexate and 5-fluorouracil. Habs M, et al. **Int J Cancer** 1981 Jul 15;28(1):91-6

Partial protection of the gastric toxicity of regional 5-fluorouracil infusion by thymidine and cimetidine. Al-Jurf AS. **J Surg Oncol** 1982 Jul;20(3):179-81

The effect of protein depletion on bone marrow myeloid cell repopulation. Gammelli RL, et al. **J Surg Res** 1982 Mar; 32(3):264-8

5-Fluorouracil, 1,3-bis(2-chloroethyl)-1-nitrosourea, and 1-(2-chloroethyl)-3-(4-methylcyclohexyl)-1-nitrosourea: effect on the human granulopoietic system. Lohrmann HP, et al. **JNCI** 1982 Apr;68(4):541-7

L-histidinol protection against cytotoxic action of cytosine arabinoside and 5-fluorouracil in cultured mouse spleen cells. Warrington RC, et al. **JNCI** 1982 Feb;68(2):279-86

Cardiotoxicity of 5-fluoro-uracil. A case report. Vorobiof DA. **S Afr Med J** 1982 Apr 24;61(17):634-5

[Combination chemotherapy and radiotherapy. Differential effect, on the medullary syndrome, of fractionated irradiation with fractionated drug administration] Maisin H, et al. **C R Soc Biol (Paris)** 1982;176(1):65-7 (Eng. Abstr.) **(Fre)**

[Renal lesions after irradiation and chemotherapy with adriamycin, vincristin and 5-fluoro-uracil (author's transl)] Birembaut P, et al. **Nephrologie** 1981;2(1):11-4 (Eng. Abstr.) **(Fre)**

[Severe intoxication after combined chemotherapy of a sigma-adenocarcinoma with peptichemio and 5-fluorouracil (author's transl)] Gasser RW, et al. **Wien Med Wochenschr** 1982 May 15;132(9):201-4 (Eng. Abstr.) **(Ger)**

[Early cardiotoxicity of 5-fluorouracil] Antonelli D, et al. **G Ital Cardiol** 1982;11(11):1758-61 (Eng. Abstr.) **(Ita)**

[Influence of mitomycin C (MMC) or 5-fluorouracil dry syrup (5-FU DS) on rat liver cells (author's transl)] Yamada S. **Nippon Gan Chiryo Gakkai Shi** 1980 Oct 20; 15(6):989-1002 (Eng. Abstr.) **(Jpn)**

[Coenzyme Q10 treatment for the liver damages induced by antineoplastic agents (author's transl)] Yamada S. **Nippon Gan Chiryo Gakkai Shi** 1980 Oct 20;15(6):1003-15 (Eng. Abstr.) **(Jpn)**

ANALOGS & DERIVATIVES

Effects of 1,3-bis(tetrahydro-2-furanyl)-5-fluoro-2,4-pyrimidinedio (FD 1) on the central nervous system: (2) Effects on nigro-striatal dopaminergic neurons. Toide K, et al. **Arch Int Pharmacodyn Ther** 1981 Jul;252(1):106-12

General pharmacological properties of UFT, a new type of anti-cancer agent consisting of 1-(2-tetrahydrofuryl)-5-fluorouracil (FT) and uracil. I: Pharmacological analysis of the combined effect of FT and uracil. Yamamoto J, et al. **Arzneimittelforsch** 1981; 31(8):1268-78

Loss of tRNA 5-methyluridine methyltransferase and pseudouridine synthetase activities in 5-fluorouracil and 1-(tetrahydro-2-furanyl)-5-fluorouracil (ftorafur)-treated Escherichia coli. Frendewey DA, et al. **Biochim Biophys Acta** 1982 Apr 26;697(1):31-40

Pharmacokinetics of 5-fluorouracil : impact of the measurement of the 5,6-dihydrofluorouracil. Aubert C, et al. **Bull Cancer (Paris)** 1981;68(4):343-5

Stereoselective metabolism of ftorafur (R,S-1-(tetrahydro-2-furanyl)-5-fluorouracil). Au JL, et al. **Cancer Chemother Pharmacol** 1981;7(1):55-9

Changes in toxic and antitumor properties of ftorafur by induction or inhibition of the microsomal enzymes activity. Belitsky GA, et al. **Cancer Chemother Pharmacol** 1981; 6(2):183-7

Combination chemotherapy with cyclophosphamide and ftorafur against advanced L1210 murine leukemia. Grossie VB Jr, et al. **Cancer Treat Rep** 1982 Aug;66(8):1631-4

Effect of thymidine on the toxicity and antitumor activity of ftorafur. Grossie VB Jr, et al. **Cancer Treat Rep** 1981 Nov-Dec;65(11-12):1087-91

Release profiles 5-fluorouracil and its derivatives from polycarbonate matrices in vitro. Kawaguchi T, et al. **Chem Pharm Bull (Tokyo)** 1982 Apr;30(4):1517-20

Enzymatic formation of 5-fluorouracil from 1-(tetrahydro-2-furanyl)- 5-fluorouracil (tegafur) in human tumor tissues. Kono A, et al. **Chem Pharm Bull (Tokyo)** 1981 May;29(5):1486-8

Studies on fluorinated pyrimidines. II. Synthesis and antitumor activity of 5-fluoro-6-substituted-5,6-dihydrouracil-5-carboxylic acid derivatives. Miyashita O, et al. **Chem Pharm Bull (Tokyo)** 1982 Mar;30(3):887-98

Studies on antitumor agents. IV. Syntheses and antitumor activities of compounds related to 1-(tetrahydro-2-furanyl)-5-fluorouracil metabolites. Ueda S, et al. **Chem Pharm Bull (Tokyo)** 1982 Jan;30(1):125-31

Studies on the metabolism of 1-(2-tetrahydrofuryl)-5-fluorouracil and uracil co-administered orally to tumor-bearing rats. Kawaguchi Y, et al. **Gan** 1980 Dec;71(6):889-99

FQC combination chemotherapy for primary malignant ovarian tumor. Yajima A, et al. **Gynecol Oncol** 1982 Feb; 13(1):93-100

Synthesis of 18F-6-fluoropurine and 18F-6-fluoro-9-beta-d-ribofuranosylpurine. Irie T, et al. **Int J Appl Radiat Isot** 1982 Jun;33(6):445-8

Quantitative determination of 1-hexylcarbamoyl-5-fluorouracil and its metabolites in man. Nakajima O, et al. **J Chromatogr** 1981 Sep 11; 225(1):91-7

Interaction of 1-(5-phospho-beta-D-arabinofuranosyl)-5-substituted-ur with thymidylate synthetase: mechanism-based inhibition by 1-(5-phospho-beta-D-arabinosyl)-5-fluorouracil. Nakayama C, et al. **J Med Chem** 1981 Oct;24(10):1161-5

Synthesis and antitumor activity of an acyclonucleoside derivative of 5-fluorouracil. Rosowsky A, et al. **J Med Chem** 1981 Oct;24(10):1177-81

Improved liquid chromatographic assay for serum fluorouracil concentrations in the presence of ftorafur. Hornbeck CL, et al. **J Pharm Sci** 1981 Oct;70(10):1163-6

Antitumor activity of 1-acyloxymethyl derivatives of 5-fluorouracil against L1210 leukemia. Hoshi A, et al. **J Pharmacobiodyn** 1982 Mar;5(3):208-12

Excretion of 1-hexylcarbamoyl-5-fluorouracil in urine of mice. Iigo M, et al. **J Pharmacobiodyn** 1981 Jul;4(7):490-6

Clastogenicity and sister chromatid exchange induction by ftorafur. Vrba M, et al. **Neoplasma** 1981;28(4):397-402

High-dose therapy with ftorafur in gastrointestinal cancer. Klein HO, et al. **Recent Results Cancer Res** 1981;79:65-81

Methyl-CCNU and ftorafur in treatment of rectosigmoidal tumors and ftorafur capsules in treatment of colorectal tumors. Mechl Z, et al. **Recent Results Cancer Res** 1981; 79:59-64

Comparison of ftorafur with 5-fluorouracil in combination chemotherapy of advanced gastrointestinal carcinoma. Queisser W, et al. **Recent Results Cancer Res** 1981;79:82-92

Correlation between the level of urinary D-glucaric acid and the degree of activation of masked compound (FT-207) in cancer patients. Matsuoka S, et al. **Tohoku J Exp Med** 1981 Nov;135(3):281-90

[A case of inoperable esophageal carcinoma responding to adriamycin and FT 207 suppository for more than one year (author's transl)] Kabuto T, et al. **Nippon Gan Chiryo Gakkai Shi** 1981 Jun 20;16(3):409-13 (Eng. Abstr.) **(Jpn)**

[Effects of UFT administered preoperatively in cases of gastric cancer (author's transl)] Okada K, et al. **Nippon Gan Chiryo Gakkai Shi** 1981 Dec 20;16(7):1417-22 (Eng. Abstr.) **(Jpn)**

[Long-term chemotherapy with FT-207 for ovarian cancer (author's transl)] Sugimori H, et al. **Nippon Gan Chiryo Gakkai Shi** 1981 Aug 20;16(4):633-40 (Eng. Abstr.) **(Jpn)**

[Effect of 5-fluorouracil, ftorafur, and imidazole carboxamide on the kinetics of the primary immune response in mice] Matveev AB, et al. **Farmakol Toksikol** 1981 Mar-Apr; 44(2):204-7 (Eng. Abstr.) **(Rus)**

[Gene mutation induction by the antitumor preparation ftorafur] Volgareva GM, et al. **Genetika (Moskva)** 1982 May;18(5):758-63 (Eng. Abstr.) **(Rus)**

[Biotransformation of ftorafur] Kozhukhov AN. **Vopr Med Khim** 1981 Mar-Apr;27(2):243-7 (Eng. Abstr.) **(Rus)**

ANALYSIS

Reversed-phase ion-pair high-performance liquid chromatographic assay of 5-fluorouracil, 5'-deoxy-5-fluorouridine, their nucleosides, mono-, di-, and triphosphate nucleotides with a mixture of quaternary ammonium ions. Au JL, et al. **J Chromatogr** 1982 Mar 12; 228:245-56

BLOOD

A rapid high-performance liquid chromatographic method for quantitation of 5-fluorouracil in plasma after continuous intravenous infusion. Sampson DC, et al. **Ann Clin Biochem** 1982 Mar;19(Pt 2):125-8

Comparative determinations of 5-fluorouracil in plasma using GC/MS and HPLC. Aubert C, et al. **Arzneimittelforsch** 1981;31(12):2048-53

Improved liquid chromatographic assay for serum fluorouracil concentrations in the presence of ftorafur. Hornbeck CL, et al. **J Pharm Sci** 1981 Oct;70(10):1163-6

CHEMICAL SYNTHESIS

On the rational development of a new drug: the example of the fluorinated pyrimidines. Heidelberger C. **Cancer Treat Rep** 1981;65 Suppl 3:3-9

Carbocyclic analogues of 5-fluorouracil nucleosides. Shealy YF, et al. **J Med Chem** 1981 Sep;24(9):1083-6

DIAGNOSTIC USE

Dosimetry and preliminary human studies of 18F-5-fluorouracil. Shani J, et al. **Int J Nucl Med Biol** 1982;9(1):25-35

METABOLISM

Methods for the complete analysis of 5-fluorouracil metabolites in cell extracts. Pogolotti AL Jr, et al. **Anal Biochem** 1981 Oct;117(1):178-86

Studies on the partial reaction of thymine 7-hydroxylase in the presence of 5-fluorouracil. Holme E, et al. **Biochim Biophys Acta** 1982 Jun 4;704(2):278-83

Pharmacokinetics of 5-fluorouracil : impact of the measurement of the 5,6-dihydrofluorouracil. Aubert C, et al. **Bull Cancer (Paris)** 1981;68(4):343-5

Modulation of 5-FU metabolism in human MCF-7 breast carcinoma cells. Major PP, et al. **Cancer Chemother Pharmacol** 1982;8(1):87-91

5-Fluorouracil incorporation in DNA of human breast carcinoma cells. Major PP, et al. **Cancer Res** 1982 Aug; 42(8):3005-9

Biochemical basis for the differential sensitivity of human T- and B-lymphocyte lines to 5-fluorouracil. Piper AA, et al. **Cancer Res** 1982 Sep;42(9):3753-60

Advantages and limitations of pharmacokinetic studies in the rationalization of anticancer therapy: methotrexate and 5-FU. Cano JP, et al. **Cancer Treat Rep** 1981;65 Suppl 3:33-42

The role of methotrexate and dihydrofolate polyglutamates in the enhancement of fluorouracil action by methotrexate. Fernandes DJ, et al. **Cancer Treat Rep** 1981;65 Suppl 1:29-35

Cerebrospinal fluid versus serum concentrations of 5-FU, allopurinol, and oxypurinol during treatment of metastatic brain cancer with 5-FU infusion, allopurinol, and radiation. Hornbeck CL, et al. **Cancer Treat Rep** 1982 Mar; 66(3):571-3

The target cell determinants of the antitumor actions of 5-FU: does FU incorporation into RNA play a role? Mandel HG. **Cancer Treat Rep** 1981;65 Suppl 3:63-71 (52 ref.)

An update on the biochemistry of 5-fluorouracil. Ardalan B, et al. **Cancer Treat Rev** 1981 Sep;8(3):157-67 (60 ref.)

Enzymatic formation of 5-fluorouracil from 1-(tetrahydro-2-furanyl)- 5-fluorouracil (tegafur) in human tumor tissues. Kono A, et al. **Chem Pharm Bull (Tokyo)** 1981 May;29(5):1486-8

Metabolism of 5-fluorouracil in various human normal and tumor tissues. Machara Y, et al. **Gan** 1981 Dec;72(6):824-7

Active transport of 5-fluorouracil and its energy coupling in Ehrlich ascites tumor cells. Yamamoto S, et al. **J Biochem (Tokyo)** 1981 Sep;90(3):635-42

5-Fluorouracil incorporation into human breast carcinoma RNA correlates with cytotoxicity. Kufe DW, et al. **J Biol Chem** 1981 Oct 10;256(19):9802-5

Rapid catabolism of 5-fluorouracil in freshly isolated rat hepatocytes as analyzed by high performance liquid chromatography. Sommadossi JP, et al. **J Biol Chem** 1982 Jul 25;257(14):8171-6

Association of cell lethality with incorporation of 5-fluorouracil and 5-fluorouridine into nuclear RNA in human colon carcinoma cells in culture. Glazer RI, et al. **Mol Pharmacol** 1982 Mar;21(2):468-73

Metabolic and distribution studies with radiolabeled 5-fluorouracil. Young D, et al. **Nuklearmedizin** 1982 Feb; 21(1):1-7

5-Fluorouracil: a comparative pharmacokinetic study and preliminary results of a clinical phase I study. Obrecht JP, et al. **Recent Results Cancer Res** 1981;79:101-7

[Effect of ascorbic acid on incorporation of 5-fluorouracil-6-3H into acid-soluble fraction and into RNA of sensitive and resistant to 5-fluorouracil cells of Ehrlich ascites carcinoma] Shlemkevich MP. **Biull Eksp Biol Med** 1982 Feb;93(2):56-7 **(Rus)**

PHARMACODYNAMICS

The effect of 5-fluorouracil and 5-fluorocytosine on the development of the filarial nematodes Brugia pahangi and Dirofilaria immitis. Howells RE, et al. **Acta Trop (Basel)** 1981 Sep;38(3):289-304

Comparative investigations on the effect of 5-fluorouracil on the epidermis and the skin appendages. Gloor M, et al. **Arzneimittelforsch** 1981;31(8):1265-7

Synergistic effect of 5-fluorouracil and N-(phosphonacetyl)-L-aspartate on cell growth and ribonucleic acid synthesis in human mammary carcinoma. Ardalan B, et al. **Biochem Pharmacol** 1981 Aug 1; 30(15):2045-9

Inhibition of galactosyltransferase by 5-fluorouracil. Choudhury K, et al. **Biochem Pharmacol** 1982 Feb 1; 31(3):459-60

Loss of tRNA 5-methyluridine methyltransferase and pseudouridine synthetase activities in 5-fluorouracil and 1-(tetrahydro-2-furanyl)-5-fluorouracil (ftorafur)-treated Escherichia coli. Frendewey DA, et al. **Biochim Biophys Acta** 1982 Apr 26;697(1):31-40

Contrasts between the response of the mouse haemopoietic system to 5-fluorouracil and irradiation. Dixon R, et al. **Blood Cells** 1981;7(3):575-87

Haemopoietic stem cells: possibility of toxic effects of 5-fluorouracil on spleen colony formation. Rosendaal M, et al. **Blood Cells** 1981;7(3):561-74

Effect of concurrent calcium leucovorin infusion on 5-fluorouracil cytotoxicity against murine L1210 leukemia. Klubes P, et al. **Cancer Chemother Pharmacol** 1981; 6(2):121-5

Modulation of 1-beta-D-arabinofuranosylcytosine metabolism and cytotoxicity in L1210 cells by fluoropyrimidine pretreatment. Grant S, et al. **Cancer Res** 1982 Sep;42(9):3550-6

In vivo kinetics of thymidylate synthetase inhibition of 5-fluorouracil-sensitive and -resistant murine colon adenocarcinomas. Spears CP, et al. **Cancer Res** 1982 Feb; 42(2):450-6

Cytokinetic and cytotoxic effects of antimetabolites on 9L rat brain tumor cells in vitro. Weizsaecker M, et al. **Cancer Res** 1981 Oct;41(10):3835-9

Preliminary report on the effects of a four drug cytoxic protocol on wound healing in the rat. Hughes KB. **Clin Oncol** 1981 Sep;7(3):235-40

Failure of 5-fluorouracil and methotrexate to destroy the reproductive integrity of a human breast cancer cell line (MCF-7) growing in vitro. Van den Berg HW, et al. **Eur J Cancer Clin Oncol** 1981 Dec;17(12):1275-81

The organization of hemopoietic tissue as inferred from the effects of 5-fluorouracil. Hodgson GS, et al. **Exp Hematol** 1982 Jan;10(1):26-35

Erythropoietin formation during hypoxia in mice with impaired responsiveness to erythropoietin induced by irradiation or 5-fluorouracil injection. Barceló AC, et al. **Experientia** 1982 Apr 15;38(4):504-5

Ex vivo hemodialysis culture system for assessing the activity of cancer chemotherapeutic agents. Quarles JM, et al. **In Vitro** 1982 Feb;18(2):165-72

Differentiation between the genera Mycobacterium, Rhodococcus and Nocardia by susceptibility to 5-fluorouracil. Tsukamura M. **J Gen Microbiol** 1981 Jul; 125(Pt 1):205-8

Resistance to fluorouracil in Candida utilis: effects on the uptake of pyrimidines and amino acids. Wild DG, et al. **J Gen Microbiol** 1981 Nov;127, pt 1:45-53

Nitrogen metabolite repression of fluoropyrimidine resistance and pyrimidine uptake in Neurospora crassa. Buxton FP, et al. **MGG** 1982;186(2):259-62

Packaging of tRNA and 6 S stable RNA into bacteriophage MS2 particles produced in Escherichia coli treated with 5-fluorouracil. Shiba T, et al. **Virology** 1982 May; 119(1):209-13

[Cryptal origin of the intestinal secretion induced in rats by prostaglandin El. Evolution of secretion after a single injection of 5-fluorouracil] Vidon N, et al. **Arch Int Physiol Biochim** 1981 Sep;89(3):249-55 (Eng. Abstr.) **(Fre)**

[Effect of 5-fluorouracil (5 Fu) on growth and morphology of human ovarian clear cell carcinoma transplanted into nude mice (author's transl)] Koike K, et al. **Nippon Gan Chiryo Gakkai Shi** 1981 Aug 20;16(4):627-32 (Eng. Abstr.) **(Jpn)**

[Autoradiographic studies on nucleic acid synthesis of human gastric cancer cells. II. Effects of 5-fluorouracil on nucleic acid synthesis of cancer cells (author's transl)] Inoue K. **Nippon Geka Hokan** 1982 Mar 1;51(2):327-35 (Eng. Abstr.) **(Jpn)**

[A biochemical study on compensatory renal enlargement in unilateral nephrectomized rats treated with mitomycin C or 5-fluorouracil (author's transl)] Takemae K. **Nippon Hinyokika Gakkai Zasshi** 1981 Jul;72(7):865-79 (Eng. Abstr.) **(Jpn)**

[Effect of cytostatics on the development of denervation disorders in skeletal muscles] Mikhallov VV. **Biull Eksp Biol Med** 1981 Nov;92(11):537-9 (Eng. Abstr.) **(Rus)**

[Effect of 5-fluorouracil, ftorafur, and imidazole carboxamide on the kinetics of the primary immune response in mice] Matveev AB, et al. **Farmakol Toksikol** 1981 Mar-Apr; 44(2):204-7 (Eng. Abstr.) **(Rus)**

THERAPEUTIC USE

Influence of pyrazofurin on the toxicity and antitumor activity of fluorinated pyrimidines in vivo. Johnson RK, et al. **Adv Enzyme Regul** 1980;19:309-33

Phase II trial of methyl-CCNU, vincristine, 5-fluorouracil, and streptozotocin (MOF-Strep) in patients with disseminated pancreatic carcinoma. Sordillo PP, et al. **Am J Clin Oncol** 1982 Jun;5(3):277-9

Phosphoribosyl pyrophosphate, pool size and tissue levels as a determinant of 5-fluorouracil response in murine colonic adenocarcinomas. Ardalan B, et al. **Biochem Pharmacol** 1982 Jun 1;31(11):1989-92

Effects of nandrolone decanoate on the toxicity and anti-tumour action of CCNU and FU in murine tumours. Bibby MC, et al. **Br J Cancer** 1981 Oct;44(4):572-7

5-fluorouracil cream 5% in the treatment of intraurethral condylomata acuminata. Bringel PJ, et al. **Br J Urol** 1982 Jun;54(3):295

Combination chemotherapy (CMFVP) versus L-phenylalanine mustard (L-PAM) for operable breast cancer with positive axillary nodes: a Southwest Oncology Group Study. Glucksberg H, et al. **Cancer** 1982 Aug 1; 50(3):423-34

Clinical and chemotherapeutic study of hepatocellular carcinoma in Malaysia: a comparison with African and American patients. Joishy SK, et al. **Cancer** 1982 Sep 15; 50(6):1065-9

Therapy of locally unresectable pancreatic carcinoma: a randomized comparison of high dose (6000 rads) radiation alone, moderate dose radiation (4000 rads + 5-fluorouracil), and high dose radiation + 5-fluorouracil: The Gastrointestinal Tumor Study Group. Moertel CG, et al. **Cancer** 1981 Oct 15;48(8):1705-10

Fluorouracil, imidazole carboxamide dimethyl triazeno, vincristine, and bis-chloroethyl nitrosourea (FIVB) in colon cancer. Falkson G, et al. **Cancer Chemother Pharmacol** 1981;6(1):31-4

The case for adjuvant CMF chemotherapy in breast cancer. Has it been made? Levitt SH, et al. **Cancer Clin Trials** 1981 Winter;4(4):363-9 (14 ref.)

Significance of relapse after adjuvant treatment with combination chemotherapy or 5-fluorouracil alone in high-risk breast cancer. A Western Cancer Study Group Project. Chlebowski RT, et al. **Cancer Res** 1981 Nov;41(11 Pt 1):4399-403

Hypogonadism in male patients with metastatic cancer prior to chemotherapy. Chlebowski RT, et al. **Cancer Res** 1982 Jun;42(6):2495-8

High-dose 5-fluorouracil with delayed uridine 'rescue' in mice. Martin DS, et al. **Cancer Res** 1982 Oct;42(10):3964-70

The potential for clinical application of in vitro assays predicting 5-FU sensitivity in man. Ardalan B, et al. **Cancer Treat Rep** 1981;65 Suppl 3:57-61

Phase II study of sequential methotrexate-5-FU therapy in advanced measurable colorectal cancer. Cantrell JE Jr, et al. **Cancer Treat Rep** 1982 Jul;66(7):1563-5

5-FU and allopurinol: toxicity modulation and phase II results in colon cancer. Kroener JF, et al. **Cancer Treat Rep** 1982 May;66(5):1133-7

Topical cytostatic drugs in the treatment of skin cancer. du Vivier A. **Clin Exp Dermatol** 1982 Jan;7(1):89-92

Adjuvant chemotherapy with chlorambucil and 5-fluorouracil in primary breast cancer (Cooperative Study Heidelberg). Kaufmann M, et al. **Eur J Cancer** 1980;Suppl 1:157-60

CMF versus CMF plus tamoxifen in advanced breast cancer in postmenopausal women. An EORTC trial. Mouridsen HT, et al. **Eur J Cancer** 1980;Suppl 1:119-23

Cytotoxic effect of 5-fluorouracil plus cyclophosphamide against transplantable leukemias. Santelli G, et al. **Eur J Cancer** 1981 Jun;17(6):629-34

Adjuvant chemotherapy with four drugs for stage 2 breast cancer. Wheeler TK, et al. **Eur J Cancer** 1980;Suppl 1:161-3

Preoperative chemoradiotherapy for carcinoma of the vulva. Kalra JK, et al. **Gynecol Oncol** 1981 Oct;12(2 Pt 1):256-60

cis-platinum and 5-fluorouracil as initial therapy in advanced epidermoid cancers of the head and neck. Weaver A, et al. **Head Neck Surg** 1982 May-Jun;4(5):370-3

Effect of liposome-entrapped 5-fluorouracil on Ehrlich ascites tumour bearing mice. Mazumder A. **Indian J Biochem Biophys** 1981 Apr;18(2):120-3

Combined chemotherapy--radiotherapy on spleen hypertrophy after C. parvum: combined treatment with 5-FU cyclophosphamide and radiation. Maruyama Y, et al. **Int J Radiat Biol** 1981 Nov;40(5):475-82

The combination of 5-fluorouracil with misonidazole in patients with advanced colorectal cancer. Spooner D, et al. **Int J Radiat Oncol Biol Phys** 1982 Mar-Apr; 8(3-4):387-9

Dermabrasion vs 5-FU for actinic damage [letter] Field LM. **J Am Acad Dermatol** 1982 Feb;6(2):269-71

Psoriatic nails and 5-fluorouracil [letter] Fredriksson T. **J Am Acad Dermatol** 1982 Jan;6(1):117

Topical chemotherapy with 5-fluorouracil [letter] McDonald RM. **J Am Acad Dermatol** 1981 Dec;5(6):705-6

Darier's keratosis follicularis: an ultrastructural study during and after topical treatment with retinoic acid alone or in combination with 5-fluorouracil. De Panfilis G, et al. **J Cutan Pathol** 1981 Jun;8(3):214-8

Fluorouracil for colorectal cancer: a sobering look [editorial] Kies MS. **JAMA** 1982 May 28;247(20):2826

Adenocarcinoma of the colon with hepatic metastases. Fifteen-year survival. Levine AW, et al. **JAMA** 1982 May 28;247(20):2809-10

Combined treatments with vitamin A and 5-fluorouracil and the growth of allotransplantable and syngeneic tumors in mice. Tomita Y, et al. **JNCI** 1982 May;68(5):823-7

A non-resectable hepatoma after hepatic artery ligation combined with infusion chemotherapy--an eight-year survival. Nakakuma K, et al. **Jpn J Surg** 1981 Mar; 11(2):80-3

Intrahepatic artery 5-fluorouracil and mitomycin-C in previously untreated patients with hepatic metastases from colorectal carcinoma. Cowan JD, et al. **Milit Med** 1982 Mar;147(3):220-3

Evaluation of 5-fluorouracil in the treatment of actinic keratosis of the lip. Warnock GR, et al. **Oral Surg** 1981 Nov;52(5):501-5

Multimodal therapy with CMF in resectable breast cancer with positive axillary nodes: the Milan Institute experience. Bonadonna G, et al. **Recent Results Cancer Res** 1982; 80:149-56

Efficacy of dacarbazine imidazole carboxamide and mitomycin C combination therapy in patients with adenocarcinoma of the colon refractory to 5-fluorouracil therapy. Conroy JF, et al. **Recent Results Cancer Res** 1981; 79:93-100

Comparison of ftorafur with 5-fluorouracil in combination chemotherapy of advanced gastrointestinal carcinoma. Queisser W, et al. **Recent Results Cancer Res** 1981;79:82-92

Adjuvant 5-fluorouracil and BCNU chemotherapy in gastric cancer: 3-year results. Schlag P, et al. **Recent Results Cancer Res** 1982;80:277-83

Adjuvant chemoimmunotherapy with LMF plus BCG in node-negative and node-positive breast cancer - intermediate report at 4 years. Senn HJ, et al. **Recent Results Cancer Res** 1982;80:177-84

Follow-up results from a randomized trial for T3 and T4 breast cancer patients: previous BCG immunotherapy improves response to chemotherapy in the relapse patient. Serrou B, et al. **Recent Results Cancer Res** 1982;80:157-61

A randomized trial of postoperative five-versus three-drug chemotherapy after mastectomy: a Cancer and Leukemia Group B (CALGB) study. Weiss RB, et al. **Recent Results Cancer Res** 1982;80:170-6

A controlled trial of combination chemotherapy with 5-FU and BCNU in pancreatic cancer. Andersen JR, et al. **Scand J Gastroenterol** 1981;16(8):973-5

Adjuvant chemotherapy in cancer of the colon and rectum: demonstration of effectiveness of prolonged 5-FU chemotherapy in a prospectively controlled, randomized trial. Grage TB, et al. **Surg Clin North Am** 1981 Dec; 61(6):1321-9

Comparison of radiotherapy alone and radiotherapy with chemotherapy using adriamycin and 5-fluorouracil in bronchogenic carcinoma. Anderson G, et al. **Thorax** 1981 Mar;36(3):190-3

[Treatment of marked epithelial dysplasia of esophagus. II. Microspectophotometric studies on DNA content in epithelial cells of esophagus treated with antitumor B III or tilorone (author's transl)] Lin PZ. **Chung Hua Chung Liu Tsa Chih** 1981 Nov;3(4):245-8 (Eng. Abstr.) **(Chi)**

[Treatment of a keratoacanthoma of the upper eyelid by intra-lesional injection of fluorouracil] Hochart G, et al. **Bull Soc Ophtalmol Fr** 1982 Feb;82(2):269-70 (Eng. Abstr.) **(Fre)**

[Treatment of advanced epidermoid carcinoma of the oesophagus with combined 5-fluorouracil, adriamycin and cis-platinum (FAP)] Gisselbrecht C, et al. **Nouv Presse Med** 1982 May 22;11(24):1859-62 (Eng. Abstr.) **(Fre)**

[The combination methyl-CCNU, vincristine, 5-fluorouracil and streptozotocin in the treatment of advanced colo-rectal adenocarcinoma] Togni P, et al. **Schweiz Med Wochenschr** 1982 Jun 26;112(26):930-3 (Eng. Abstr.) **(Fre)**

[Antineoplastic activity of lambdamycin in different murine test models compared with cyclophosphamide, 6-mercaptopurine and 5-fluorouracil (author's transl)] Gutsche W, et al. **Arch Geschwulstforsch** 1981; 51(5):398-404 (Eng. Abstr.) **(Ger)**

[Morphology of experimental pancreonecrosis following

treatment with 5-fluorouracil] Titova GP, et al. **Biull Eksp Biol Med** 1981 Oct;91(10):498-501 (Eng. Abstr.) **(Rus)**

[Phagocytic activity and cytochemical indices of the neutrophils in stomach cancer treated with 5-fluorouracil] Gusarov IuP. **Lab Delo** 1981;(8):465-8 **(Rus)**

[Results of chemo- and radiotherapy of poorly differentiated and undifferentiated lung cancer] Abisatov KhA. **Med Radiol (Mosk)** 1982 Apr;27(4):9-15 (Eng. Abstr.) **(Rus)**

[adenylate cyclase system in Ehrlich ascites tumor cells sensitive and resistant to 5-fluorouracil] Shlemkevich MP, et al. **Ukr Biokhim Zh** 1982;54(1):76-9 (Eng. Abstr.) **(Rus)**

TOXICITY

Influence of duration of exposure to 5-fluorouracil on antiproliferating activity against cultured murine lymphoma cells. Kanzawa F, et al. **Br J Cancer** 1981 Nov; 44(5):757-9

Modulation of 5-fluorouracil toxicity by allopurinol in man. Howell SB, et al. **Cancer** 1981 Sep 15;48(6):1281-9

Uridine rescue from the lethal toxicity of 5-fluorouracil in mice. Klubes P, et al. **Cancer Chemother Pharmacol** 1982; 8(1):17-21

Diurnal variation in the intestinal toxicity of 5-fluorouracil in the rat. Gardner ML, et al. **Clin Sci** 1981 Dec; 61(6):717-22

5-fluorouracil. **IARC Monogr Eval Carcinog Risk Chem Hum** 1981 May; 26:217-35

[Effect of Mycoplasma arthritidis on the recovery of erythropoiesis in mice treated with 5-fluorouracil] Sanin AV, et al. **Biull Eksp Biol Med** 1982 Mar;93(3):72-4 (Eng. Abstr.) **(Rus)**

FLUORTRIAMCINOLONE ACETONIDE see **FLUOCINOLONE ACETONIDE**

FLUOSTIGMINE see **ISOFLUROPHATE**

FLUOXETIN see under **PROPYLAMINES**

FLUOXIMESTERON see **FLUOXYMESTERONE**

FLUOXYMESTERONE

ADMINISTRATION & DOSAGE

Combination hormonotherapy with tamoxifen and fluoxymesterone in patients with advanced breast cancer relapsing on hormonotherapy. Goldhirsch A, et al. **Oncology** 1982;39(5):284-6

[Effect of fluoxymesterone on anaemia in chronic haemodialysis--special reference to combination therapy with iron (author's transl)] Kataoka Y. **Horumon To Rinsho** 1981 Jun;29(6):675-82 **(Jpn)**

THERAPEUTIC USE

Treatment of anemia in myeloproliferative disorders: a randomized study of fluoxymesterone v transfusions only. Brubaker LH, et al. **Arch Intern Med** 1982 Aug; 142(8):1533-7

Androgen-induced remissions after antiestrogen and hypophysectomy in stage IV breast cancer. Manni A, et al. **Cancer** 1981 Dec 1;48(11):2507-9

FLUPENTHIXOL see under **THIOXANTHENES**

FLUPHENAZINE

Calcium-dependent protein binding to phenothiazine columns. Moore PB, et al. **J Biol Chem** 1982 Aug 25; 257(16):9663-7

ADMINISTRATION & DOSAGE

Doctor's versus patient's judgement in the assessment of mixed anxiety/depressive illness. Implications for measurement of therapeutic response. Valle-Jones JC, et al. **Acta Psychiatr Scand** 1981 May;63(5):416-24

Treatment of unstable detrusor (irritable bladder) using fluphenazine and nortriptyline: progress report. Martin MR, et al. **Prog Clin Biol Res** 1981;78:335-8

ADVERSE EFFECTS

A depot neuroleptic withdrawal study. A controlled study of the clinical effects of the withdrawal of depot fluphenazine decanoate and depot flupenthixol decanoate in chronic schizophrenic patients. Wistedt B. **Acta Psychiatr Scand** 1981 Jul;64(1):65-84

Development and prediction of postpsychotic depression in neuroleptic-treated schizophrenics. Mandel MR, et al. **Arch Gen Psychiatry** 1982 Feb;39(2):197-203

Water intoxication from fluphenazine therapy. Nardelli E, et al. **Ital J Neurol Sci** 1980 Jun;1(3):193-6

ANALOGS & DERIVATIVES

Fluphenazine enanthate and fluphenazine decanoate in the treatment of schizophrenic outpatients: extrapyramidal symptoms and therapeutic effect. Chouinard G, et al. **Am J Psychiatry** 1982 Mar;139(3):312-8

Fluphenazine decanoate and tardive dyskinesia: a possible association. Csernansky JG, et al. **Am J Psychiatry** 1981 Oct;138(10):1362-5

Fluphenazine decanoate and tardive dyskinesia [letter] Schiff AA. **Am J Psychiatry** 1982 Jul;139(7):969-70

Plasma imipramine concentrations in patients receiving concomitant fluphenazine decanoate. Siris SG, et al. **Am J Psychiatry** 1982 Jan;139(1):104-6

Tardive dyskinesia, fluphenazine decanoate, and haloperidol [letter] Waddington JL. **Am J Psychiatry** 1982 May; 139(5):703-4

Development and prediction of postpsychotic depression in neuroleptic-treated schizophrenics. Mandel MR, et al. **Arch Gen Psychiatry** 1982 Feb;39(2):197-203

Daytime variation in serum prolactin level in patients receiving oral and depot antipsychotic medication. Goode DJ, et al. **Biol Psychiatry** 1981 Jul;16(7):653-62

Once weekly pimozide versus fluphenazine decanoate as maintenance therapy in chronic schizophrenia. McCreadie R, et al. **Br J Psychiatry** 1982 Mar;140:280-6

Follow-up study of 281 schizophrenic patients treated with high dosage fluphenazine decanoate. Steiner S, et al. **Int Pharmacopsychiatry** 1981;16(3):184-92

Double-blind placebo substitution: withdrawal of fluphenazine decanoate in schizophrenic patients. Odejide OA, et al. **J Clin Psychiatry** 1982 May;43(5):195-6

Chronic treatment with haloperidol or fluphenazine decanoate: regional effects on dopamine and serotonin metabolism in primate brain. Bacopoulos NG, et al. **J Pharmacol Exp Ther** 1982 Apr;221(1):22-8

Lithium carbonate/fluphenazine decanoate producing irreversible brain damage [letter] Singh SV. **Lancet** 1982 Jul 31;2(8292):278

Catalepsy produced by long-acting neuroleptics, fluphenazine enanthate and fluphenazine decanoate, in mice. Yamada K, et al. **Pharmacology** 1982;24(3):147-55

Prolactin levels and amphetamine-induced behavioural changes following fluphenazine decanoate administration. Merali Z. **Prog Neuropsychopharmacol** 1981;5(5-6):603-7

The use of fluphenazine decanoate (Modecate)depot therapy in outpatient schizophrenics-a retrospective study. Tan CT, et al. **Singapore Med J** 1981 Aug;22(4):214-8

[Clinical observation on the effect of domestic fluphenazine decanoate in the treatment of schizophrenia---report of 431 cases (author's transl)] Zhang YF. **Chung Hua Shen Ching Ching Shen Ko Tsa Chih** 1981 Aug; 14(3):182-5 **(Chi)**

[Treatment of schizophrenic psychoses by sustained-action neuroleptics in psychiatric outpatients' treatment (author's transl)] Poláček J. **Cesk Psychiatr** 1982 Feb;78(1):49-55 (Eng. Abstr.) **(Cze)**

[Comparison between the effectiveness of fluphenazine decanoate and oxyprothepin decanoate in schizophrenia (double-blind crossover study)] Balon R, et al. **Zh Nevropatol Psikhiatr** 1982;82(1):116-8 (Eng. Abstr.) **(Rus)**

[Follow-up study of patients treated with depot phenothiazines in Valparaiso, Chile] Michel G, et al. **Bol Of Sanit Panam** 1981 Nov;91(5):418-27 (Eng. Abstr.) **(Spa)**

BLOOD

Fluphenazine determination in human plasma by a sensitive gas chromatographic method using nitrogen detector. Javaid JI, et al. **J Chromatogr Sci** 1981 Sep;19(9):439-43

PHARMACODYNAMICS

Calmodulin is involved in the first step of oocyte maturation: effects of the antipsychotic drug fluphenazine and of anticalmodulin antibodies on the progesterone-induced maturation of xenopus laevis oocyte. Cartaud A, et al. **Cell Differ** 1981 Dec;10(6):357-63

Effects of age on dopaminergic supersensitivity induced by chronic fluphenazine. Misra CH, et al. **Commun Psychopharmacol** 1980;4(5):411-5

Altered calmodulin activity in fluphenazine-resistant mutant strains. Pleiotropic effect on development and cellular organization in Volvox carteri. Kurn N, et al. **Eur J Biochem** 1981 Dec;121(1):53-7

Influence of age on the effects of chronic fluphenazine on receptor binding in rat brain. Misra CH, et al. **Eur J Pharmacol** 1981 Dec 17;76(4):317-24

Inhibition of phosphate uptake by fluphenazine, a calmodulin inhibitor. Analysis of Volvox wild-type and fluphenazine-resistant mutant strains. Kurn N. **FEBS Lett** 1982 Jul 19;144(1):68-72

Oral fluphenazine and tea and coffee drinking [letter] Wallace SM, et al. **Lancet** 1981 Sep 26;2(8248):691

Fluphenazine-induced decline in striatal acetylcholine content is not abolished by exogenous choline. Sherman KA, et al. **Neuropharmacology** 1981 Oct;20(10):921-4

The prolactin response in patients receiving neuroleptic therapy. The effect of fluphenazine decanoate. Dotti A, et al. **Prog Neuropsychopharmacol** 1981;5(1):69-77

Nigral actions of GABA agonists are enhanced by chronic fluphenazine and differentiated by concomitant flurazepam. Coward DM. **Psychopharmacology (Berlin)** 1982; 76(3):294-8

Interactions of a neuroleptic drug (fluphenazine) with catecholamines in hippocampus. Palmer MR, et al. **Psychopharmacology (Berlin)** 1982;76(2):122-9

THERAPEUTIC USE

Fluphenazine and flupenthixol decanoate in psychiatric outpatients practice. Coufal J, et al. **Act Nerv Super (Praha)** 1981 Dec;23(4):269-71

Fluphenazine vs placebo in patients with remitted, acute first-episode schizophrenia. Kane JM, et al. **Arch Gen Psychiatry** 1982 Jan;39(1):70-3

TOXICITY

Mutagenic effects of fluphenazine hydrochloride in Drosophila melanogaster. Rao KP, et al. **Toxicol Lett** 1980 Dec;7(2):161-4

FLUPREDNIDENE ACETATE see under **PREGNADIENETRIOLS**

FLUPREDNISOLONE

ADVERSE EFFECTS

[Hypertension and hypokalemia caused by a nasal spray containing fluorprednisolone acetate] Maiorano G, et al. **Boll Soc Ital Cardiol** 1981;26(5):465-71 **(Ita)**

ANALOGS & DERIVATIVES

Mineralocorticoid hypertension due to a nasal spray containing 9 alpha-fluoroprednisolone. Mantero F, et al. **Am J Med** 1981 Sep;71(3):352-7

Hypokalemic myopathy associated with intranasal steroid use (factitious mineralocorticoid excess syndrome. Cantello R, et al. **J Neurol** 1982;226(4):265-8

FLURAZEPAM

ADVERSE EFFECTS

Effect of flurazepam on sleep-disordered breathing and nocturnal oxygen desaturation in asymptomatic subjects. Dolly FR, et al. **Am J Med** 1982 Aug;73(2):239-43

ANALOGS & DERIVATIVES

Assay of flunitrazepam, temazepam and desalkylflurazepam in plasma by capillary gas chromatography with electron-capture detection. Jochemsen R, et al. **J Chromatogr** 1982 Jan 8;227(1):199-206

GLC-ECD determination of 1-(2-hydroxyethyl)-3-hydroxy-7-chloro-1,3-dihydro-5-(SAS 643) in plasma and urine and identification of its main biotransformation products. Mardente S, et al. **Ther Drug Monit** 1981;3(4):351-6

Quantitative EEG and behavioral effects in volunteers of a new benzodiazepine (SAS 643) in relation to drug plasma concentration. Sannita WG, et al. **Ther Drug Monit** 1981; 3(4):341-9

BLOOD

Kinetics and clinical effects of flurazepam in young and elderly noninsomniacs. Greenblatt DJ, et al. **Clin Pharmacol Ther** 1981 Oct;30(4):475-86

METABOLISM

Plasma versus bone marrow flurazepam concentration in rabbits. Winek CL, et al. **Forensic Sci Int** 1982 Mar-Apr; 19(2):155-63

PHARMACODYNAMICS

Flurazepam interaction with sodium and potassium channels in squid giant axon. Swenson RP Jr. **Brain Res** 1982 Jun 10;241(2):317-22

A comparison of the effects of flurazepam on gamma-aminobutyric acid mediated depression of cerebellar and cerebral cortical neurons. Jiang Z. **Can J Physiol Pharmacol** 1981 Jun;59(6):595-8

Effects of flurazepam on kindled amygdala convulsions in catecholamine-depleted rats. McIntyre DC, et al. **Exp Neurol** 1982 Jul;77(1):78-85

Sleep laboratory and clinical studies of the effects of triazolam, flunitrazepam and flurazepam in insomniac patients. Monti JM. **Methods Find Exp Clin Pharmacol** 1981 Sep-Oct;3(5):303-26

Effects of quazepam and flurazepam on GABA-ergic transmission in mouse cerebellum: relationship between biochemical and behavioral activity. Ongini E, et al. **Pharmacol Res Commun** 1981 Nov;13(10):955-65

Nigral actions of GABA agonists are enhanced by chronic fluphenazine and differentiated by concomitant flurazepam. Coward DM. **Psychopharmacology (Berlin)** 1982; 76(3):294-8

THERAPEUTIC USE

Evaluation of flurazepam and placebo on sleep disorders in childhood. Reimão R, et al. **Arq Neuropsiquiatr** 1982 Mar; 40(1):1-13

Double-blind evaluation of temazepam, flurazepam, and placebo in geriatric insomniacs. Fillingim JM. **Clin Ther** 1982;4(5):369-80

Flurazepam for short-term treatment of complaints of

insomnia. Roehrs T, et al. **J Clin Pharmacol** 1982 Jul; 22(7):290–6

FLURBIPROFEN see under **PROPIONATES**

FLUROXENE

ANALOGS & DERIVATIVES

Molecular orbital studies of the metabolism of fluroxene and analogous fluorinated ether anesthetics. Adams SM, et al. **Mol Pharmacol** 1981 Sep;20(2):423–8

METABOLISM

Molecular orbital studies of the metabolism of fluroxene and analogous fluorinated ether anesthetics. Adams SM, et al. **Mol Pharmacol** 1981 Sep;20(2):423–8

PHARMACODYNAMICS

Reaction schemes for the degradation of cytochrome P-450 by allyl-iso-propylacetamide and fluroxene. Ivanetich KM, et al. **Adv Exp Med Biol** 1981;136 Pt B:1213–20

Destruction of cytochrome P-450 by vinyl fluoride, fluroxene, and acetylene. Evidence for a radical intermediate in olefin oxidation. Ortiz de Montellano PR, et al. **Biochemistry** 1982 Mar 16;21(6):1331–9

FLUSPIRILENE see under **SPIRO COMPOUNDS**

FLUTAMIDE see under **ANILIDES**

FMN

The molecular basis for complexation of adriamycin with flavin mononucleotide and flavin adenine dinucleotide. Kharasch ED, et al. **Arch Biochem Biophys** 1981 Nov; 212(1):20–36

Laser flash photolysis studies of electron transfer between semiquinone and fully reduced free flavins and the cytochrome c–cytochrome oxidase complex. Ahmad I, et al. **Biochemistry** 1982 Jun 22;21(13):3122–8

Interaction of riboflavin-5'-phosphate with poly-(alpha-L-lysine) & poly-(alpha-L-histidine) in aqueous medium. Srivastava GP, et al. **Indian J Biochem Biophys** 1981 Jun;18(3):233–5

Analysis of a method for testing azo dyes for mutagenic activity in Salmonella typhimurium in the presence of flavin mononucleotide and hamster liver S9. Prival MJ, et al. **Mutat Res** 1982 Apr;97(2):103–16

ANALYSIS

Determination of riboflavin and flavin mononucleotide in foodstuffs using high-performance liquid chromatography and a column-enrichment technique. Lumley ID, et al. **Analyst** 1981 Oct;106(1267):1103–8

BIOSYNTHESIS

Formation of flavin adenine dinucleotide and flavin mononucleotide by lens homogenate. Ono S, et al. **Exp Eye Res** 1982 Feb;34(2):297–301

BLOOD

Interaction of riboflavin-5'-monophosphate with human serum albumin. Singh S. **Indian J Biochem Biophys** 1981 Jun;18(3):236–7

METABOLISM

Calorimetric studies of flavin-binding proteins: FMN and FAD binding to hen egg riboflavin-binding proteins. Nowak HP, et al. **Arch Biochem Biophys** 1982 Mar; 214(1):231–8

Binding of 2,2-diphenylpropylamine at the aldehyde site of bacterial luciferase increases the affinity of the reduced riboflavin 5'-phosphate site. Holzman TF, et al. **Biochemistry** 1981 Sep 15;20(19):5524–8

Structure and catalytic inactivity of the bacterial luciferase neutral flavin radical. Kurfürst M, et al. **Eur J Biochem** 1982 Apr 1;123(2):355–61

Oxidation-reduction states of FMN and FAD in NADPH-cytochrome P-450 reductase during reduction by NADPH. Oprian DD, et al. **J Biol Chem** 1982 Aug 10;257(15):8935–44

PHARMACODYNAMICS

Influence of flavin addition and removal on the formation of superoxide by NADPH-Cytochrome P-450 reductase: a spin-trap study. Grover TA, et al. **Arch Biochem Biophys** 1981 Nov;212(1):105–14

Photosensitized crosslinking of tRNA to the P-, A- and R-sites of Escherichia coli ribosomes. Kruse TA, et al. **Biochimie** 1982 Apr;64(4):279–84

FOAM CELLS see under **MACROPHAGES**

FOAMY VIRUS see under **RETROVIRIDAE**

FOCAL INFECTION

COMPLICATIONS

[Clinical aspects and treatment of rhinogenic brain abscesses] Iarlykov SA, et al. **Vestn Otorinolaringol** 1981 Jul-Aug; (4):35–8 (Eng. Abstr.) **(Rus)**

[Multiple otogenic brain abscesses] Iarlykov SA, et al. **Vestn Otorinolaringol** 1982 Jan-Feb;(1):33–7 (Eng. Abstr.) **(Rus)**

DIAGNOSIS

Focal intracranial mucormycosis presenting as chronic meningitis. Jones PG, et al. **JAMA** 1981 Nov 6; 246(18):2063–4

[Ultrasound in acute renal infections (author's transl)] Fiegler W. **ROFO** 1981 Dec;135(6):640–4 (Eng. Abstr.) **(Ger)**

[Usefulness of thermography in focal infection of the mandible] Cichy M, et al. **Otolaryngol Pol** 1981; 35(3):229–32 **(Pol)**

[Clinico-immunological indicators in patients with measles in focal infection] Bystriakova LV, et al. **Pediatriia** 1981 Oct;(10):41–3 (Eng. Abstr.) **(Rus)**

[Nature of the bronchial lesion in focal pulmonary tuberculosis] Strelis AK, et al. **Probl Tuberk** 1982;(1):32–4 (Eng. Abstr.) **(Rus)**

[Characteristics of the clinical course of focal meningococcal infection] Vashchenko MA, et al. **Vrach Delo** 1981 Oct; (10):111–4 **(Rus)**

ETIOLOGY

[Pathogenesis of localized forms of staphylococcal infections] Morgunov IN, et al. **Mikrobiol Zh** 1982 Jan-Feb;44(1):76–9 (Eng. Abstr.) **(Rus)**

[Epidemiological significance of various foci of tuberculosis for children and adolescents] Shvartsev IS. **Probl Tuberk** 1981 Nov;(11):11–4 (Eng. Abstr.) **(Rus)**

IMMUNOLOGY

[Participation of neutrophilic granulocytes in a local inflammatory focus] Wierusz-Wysocka B, et al. **Pol Arch Med Wewn** 1981 Nov-Dec;66(5–6):393–9 (36 ref.) **(Pol)**

METABOLISM

[Effect of chronic infection foci on carbohydrate and vitamin C and B1 metabolism in rheumatism] Pokin'chereda VV, et al. **Vrach Delo** 1981 Jul;(7):57–9 (Eng. Abstr.) **(Rus)**

OCCURRENCE

Disappearance of some Brugia malayi foci from Madhya Pradesh, Orissa and Tamil Nadu and co-existence of Malayan and Bancroftian filariasis in some pockets. Russel S, et al. **J Commun Dis** 1980 Dec;12(4):183–7

[Characteristics of the course of intracranial otogenic complications based on data from an ENT clinic over a 10-year period] Piskunov SE, et al. **Vestn Otorinolaringol** 1982 May-Jun;(3):44–7 (Eng. Abstr.) **(Rus)**

FOCAL INFECTION, DENTAL

COMPLICATIONS

Temporal sinus tracts arising from mandibular infections. Bütow KW, et al. **J Oral Maxillofac Surg** 1982 Jan; 40(1):56–9

Odontogenic infection leading to cervical emphysema and fatal mediastinitis. Steiner M, et al. **J Oral Maxillofac Surg** 1982 Sep;40(9):600–4

[Orbito-ocular and meningoencephalic complications in odontogenic maxillary sinusitis] Stefaniu A, et al. **Rev Chir [Otorinolaringol]** 1982 Jan-Mar;27(1):59–64 (Eng. Abstr.) **(Rum)**

[Clinical manifestations and the course of odontogenic lesions of the trigeminal nerve] Grechko VE, et al. **Stomatologiia (Mosk)** 1982 Mar-Apr;(2):39–40 (Eng. Abstr.) **(Rus)**

[Neurological complications in chronic suppurative odontogenic infection] Mukharinskaia VS, et al. **Stomatologiia (Mosk)** 1981;60(4):22–3 (Eng. Abstr.) **(Rus)**

DIAGNOSIS

[Odontogenic phlegmons of the retrobulbar area (clinical aspects and treatment)] Starodubtsev VS, et al. **Stomatologiia (Mosk)** 1981 Sep-Oct;60(5):38–41 (Eng. Abstr.) **(Rus)**

[Phosphatase activity of the neutrophilic leukocytes in acute odontogenic inflammation of the jaws] Timofeev AA. **Stomatologiia (Mosk)** 1982 May-Jun;61(3):47–8 (Eng. Abstr.) **(Rus)**

DRUG THERAPY

[Initial evaluations of the use of cefadroxil in ondontogenic infections] Re G, et al. **Minerva Stomatol** 1981 Nov-Dec; 30(6):629–32 **(Ita)**

[Effectiveness of ectericide, dimethyl sulfoxide and oxacillin in treating acute, odontogenic inflammatory jaw diseases] Kolomiets LI. **Stomatologiia (Mosk)** 1981;60(4):33–5 (Eng. Abstr.) **(Rus)**

ETIOLOGY

Orbital pseudotumour of dental origin. Littler BO. **Br J Oral Surg** 1981 Sep;19(3):208–17

IMMUNOLOGY

[Nonspecific protection factors of the body in traumatic injuries and inflammatory process of the mandible] Ruzin GP, et al. **Stomatologiia (Mosk)** 1982 Mar-Apr;(2):31–3 (Eng. Abstr.) **(Rus)**

MICROBIOLOGY

Sperm immobilization by dental focus microorganisms. Linossier A, et al. **Andrologia** 1982 May-Jun;14(3):250–5

[Bacteriology of oral infections of dental origin] Re G, et al. **Minerva Stomatol** 1982 Mar-Apr;31(2):211–4 **(Ita)**

[Nonsporulating anaerobic microorganisms in acute odontogenic suppurative diseases of the maxillofacial area] Kocherovets VI, et al. **Stomatologiia (Mosk)** 1982 Jan-Feb; 61(1):43–5 (Eng. Abstr.) **(Rus)**

[Antibiotic resistance of the microflora from lesion foci in acute odontogenic osteomyelitis of the jaws] Semenchenko GI, et al. **Stomatologiia (Mosk)** 1982 Jan-Feb;61(1):45–7 (Eng. Abstr.) **(Rus)**

PATHOLOGY

Clinicopathologic conferences. Case 39, Part I. Hurt DF, et al. **J Oral Maxillofac Surg** 1982 May;40(5):294–5

[Odontogenic phlegmon in 11 anatomic areas] Starodubtsev VS, et al. **Stomatologiia (Mosk)** 1981;60(4):70–1 **(Rus)**

PREVENTION & CONTROL

[Importance of the frequency of oral hygiene in preventing odontogenic foci in schoolchildren] Grigor'eva EE. **Stomatologiia (Mosk)** 1981 Sep-Oct;60(5):77–9 (Eng. Abstr.) **(Rus)**

THERAPY

[Combined treatment of suppurative inflammatory diseases of the maxillofacial area using thymalin] Shimchenko PIa, et al. **Vestn Khir** 1981 Oct;127(10):94–7 **(Rus)**

FOG see under **WEATHER**

FOG FEVER see **PNEUMONIA, ATYPICAL INTERSTITIAL, OF CATTLE**

FOLIC ACID

13C NMR evidence for three slowly interconverting conformations of the dihydrofolate reductase-NADP+-folate complex. Birdsall B, et al. **Biochem Biophys Res Commun** 1981 Aug 31;101(4):1139–44

ADMINISTRATION & DOSAGE

Periconceptional supplementation with vitamins and folic acid to prevent recurrence of cleft lip [letter] Tolarova M. **Lancet** 1982 Jul 24;2(8291):217

ADVERSE EFFECTS

Psychiatric changes associated with an excess of folic acid. Prakash R, et al. **Am J Psychiatry** 1982 Sep;139(9):1192–3

ANALOGS & DERIVATIVES

Tight-binding complexes of thymidylate synthetase, folate analogs and deoxyribonucleotides. Danenberg PV, et al. **Adv Enzyme Regul** 1982;20:99–110

Transport of folate compounds, pterins and adenine in L1210 mouse leukemia cells. Huennekens FM, et al. **Adv Enzyme Regul** 1982;20:389–408

Modulation of methylenetetrahydrofolate reductase activity by S-adenosylmethionine and by dihydrofolate and its polyglutamate analogues. Matthews RG, et al. **Adv Enzyme Regul** 1982;20:123–31

High performance liquid chromatography of folates: identification of poly-gamma-glutamate chain lengths of labeled and unlabeled folates. Shane B. **Am J Clin Nutr** 1982 Mar;35(3):599–608

Determination of three different pools of reduced one-carbon-substituted folates. II. Quantitation and chain-length determination of the pteroylpolyglutamates of rat liver. Eto I, et al. **Anal Biochem** 1981 Jul 15; 115(1):138–46

Determination of three different pools of reduced one-carbon-substituted folates. III. Reversed-phase high-performance liquid chromatography of the azo dye derivatives of p-aminobenzoylpoly-gamma-glutamates and its application to the study of unlabeled endogenous pteroylpolyglutamates of rat liver. Eto I, et al. **Anal Biochem** 1982 Mar 1;120(2):323–9

High-pressure liquid chromatographic separation of the naturally occurring folic acid monoglutamate derivatives. Horne DW, et al. **Anal Biochem** 1981 Sep 15;116(2):393–7

Tissue folylpolyglutamate chain-length characterization by electrophoresis as thymidylate synthetase-fluorodeoxyuridylate ternary complexes. Priest DG, et al. **Anal Biochem** 1981 Jul 15;115(1):163–9

Studies on identifying the folylpolyglutamate binding sites of Lactobacillus casei thymidylate synthetase. Maley GF, et al. **Arch Biochem Biophys** 1982 Jul;216(2):551–8

The binding of folyl polyglutamates by hemoglobin. Benesch R, et al. **Biochem Biophys Res Commun** 1982 Jun 30; 106(4):1359–63

Folate antagonists from a crude 'X–methyl folate' preparation. Stokstad EL, et al. **Biochem Biophys Res Commun** 1981 Nov 30;103(2):447–53

Folate pentaglutamate and folate hexaglutamate mediated one–carbon metabolism. Brody T, et al. **Biochemistry** 1982 Jan 19;21(2):276–82

Interactions of pig liver serine hydroxymethyltransferase with methyltetrahydropteroylpolyglutamate inhibitors and with tetrahydropteroylpolyglutamate substrates. Matthews RG, et al. **Biochemistry** 1982 Mar 16;21(6):1230–8

Polyglutamyl folate coenzymes and inhibitors of chicken liver glycinamide ribotide transformylase. Chan VT, et al. **Biochim Biophys Acta** 1982 Mar 18;702(1):99–104

Uptake of oxidized folates by rat liver mitochondria. Cybulski RL, et al. **Biochim Biophys Acta** 1981 Aug 20;646(2):329–33

9–methyl pteroylglutamic acid, a synthetic analogue of folic acid: its effects on hexosamine levels in fetal rat limbs and other fetal tissues. Schmidt RR, et al. **Biol Neonate** 1982; 41(1–2):52–6

The role of methotrexate and dihydrofolate polyglutamates in the enhancement of fluorouracil action by methotrexate. Fernandes DJ, et al. **Cancer Treat Rep** 1981;65 Suppl 1:29–35

Inhibition of dihydrofolate synthetase from Neisseria gonorrhoeae by dihydropteroate and dihydrofolate derivatives. Pongsamart S, et al. **Chem Biol Interact** 1981 Sep;36(3):369–73

Cell cycle patterns of thymidylate synthetase and 5,10–methylenetetrahydrofolate polyglutamates in cultured mouse hepatoma cells. Priest DG, et al. **Experientia** 1982 Jan 15;38(1):88–9

Studies on liver regeneration after partial hepatectomy in folic–acid deficient rats: synthesis of pteroylpolyglutamates. Formiggini G, et al. **Ital J Biochem** 1981 May–Jun; 30(3):201–6

Rapid formation of poly–gamma–glutamyl derivatives of methotrexate and their association with dihydrofolate reductase as assessed by high pressure liquid chromatography in the Ehrlich ascites tumor cell in vitro. Fry DW, et al. **J Biol Chem** 1982 Feb 25;257(4):1890–6

Folate polyglutamate and monoglutamate accumulation in normal and SV40–transformed human fibroblasts. Hoffman RM, et al. **J Cell Physiol** 1981 Dec;109(3):497–505

New synthesis of N–[4–[[(2–amino–4(3H)–oxopyrido[3,2–d]pyrimidin–6–yl) acid (8–deazafolic acid) and the preparation of some 5,6,7,8–tetrahydro derivatives. Temple C Jr, et al. **J Med Chem** 1981 Oct;24(10):1254–8

In vitro studies of 5, 10–methylenetetrahydrofolate reductase: inhibition by folate derivatives, folate antagonists, and monoamine derivatives. Hollinger JL, et al. **J Neurochem** 1982 Mar;38(3):638–42

Folate derivatives in human cells: studies on normal and 5,10–methylenetetrahydrofolate reductase–deficient fibroblasts. Foo SK, et al. **J Nutr** 1982 Aug;112(8):1600–8

Dual functions of bacteriophage T4D gene 28 product: structural component of the viral tail baseplate central plug and cleavage enzyme for folyl polyglutamates. II. Folate metabolism and polyglutamate cleavage activity of uninfected and infected Escherichia coli cells and bacteriophage. Kozloff LM, et al. **J Virol** 1981 Dec; 40(3):645–56

Dual functions of bacteriophage T4D gene 28 product: structural component of the viral tail baseplate central plug and cleavage enzyme for folyl polyglutamates. I. Identification of T4D gene 28 product in the tail plug. Kozloff LM, et al. **J Virol** 1981 Dec;40(3):635–44

Changes in the chain length of folylpolyglutamates during liver regeneration. Eto I, et al. **Life Sci** 1982 Jan 11; 30(2):183–9

Preparation of a 125I–labelled conjugate of pteroylglutamic acid and its use in a radio ligand assay of folate in blood. Walton L. **Med Lab Sci** 1981 Jul;38(3):187–95

Pteroylpolyglutamates. Kisliuk RL. **Mol Cell Biochem** 1981 Sep 25;39:331–45 (130 ref.)

Enzymatic synthesis and function of folylpolyglutamates. McGuire JJ, et al. **Mol Cell Biochem** 1981 Aug 11;38 Spec No(Pt 1):19–48 (141 ref.)

The organization of the dihydrofolate reductase gene of baby hamster kidney fibroblasts. Schoner RG, et al. **Nucleic Acids Res** 1981 Dec 11;9(23):6601–14

The effect of folate analogues on the thymidine utilization by human and rat marrow cells and the effect on the deoxyuridine suppression test. Deacon R, et al. **Postgrad Med J** 1981 Oct;57(672):611–6

ANALYSIS

High–pressure liquid chromatography separation and determination of rat liver folates. McMartin KE, et al. **Arch Biochem Biophys** 1981 Jun;209(1):127–36

Studies on the response of Lactobacillus casei to different folate monoglutamates. Phillips DR, et al. **Br J Nutr** 1982 Mar;47(2):183–9

Use of glycerol–cryoprotected Lactobacillus casei for microbiological assay of folic acid. Wilson SD, et al. **Clin Chem** 1982 May;28(5):1198–200

Folacin content of supplemental foods for pregnancy. Thenen SW. **J Am Diet Assoc** 1982 Mar;80(3):237–41

Development of a folacin bioassay in rats. Keagy PM, et al. **J Nutr** 1982 Jan;112(1):87–91

Integrated saturation model for tissue micronutrient concentrations applied to liver folacin. Keagy PM. **J Nutr** 1982 Feb;112(2):377–86

Rapid and specific high–pressure liquid chromatographic assay for folic acid in multivitamin–mineral pharmaceutical preparations. Tafolla WH, et al. **J Pharm Sci** 1981 Nov; 70(11):1273–6

Values for folates in food [letter] Phillips DR, et al. **Lancet** 1982 Sep 11;2(8298):605

BIOSYNTHESIS

Biosynthesis of riboflavin, folic acid, thiamine, and pantothenic acid. Brown GM, et al. **Adv Enzymol** 1982; 53:345–81 (213 ref.)

Sources of one–carbon units in the folate pathway of Escherichia coli. Dev IK, et al. **J Biol Chem** 1982 Feb 25;257(4):1980–6

BLOOD

Plasma and red cell folate in newborn twins and their mothers in relation to gestational age. Ek J. **Acta Obstet Gynecol Scand** 1981;60(4):379–83

Plasma and red cell folate in mothers and infants in normal pregnancies. Relation to birth weight. Ek J. **Acta Obstet Gynecol Scand** 1982;61(1):17–20

Folacin and iron status and hematological findings in black and Spanish–American adolescents from urban low–income households. Bailey LB, et al. **Am J Clin Nutr** 1982 May; 35(5):1023–32

The effect of data reduction technic on ligand assay proficiency survey results. Pegg PJ, et al. **Am J Clin Pathol** 1982 Mar;77(3):334–7

Proteins, vitamin A, carotene, folacin, ferritin and zinc in Navajo maternal and cord blood. Butte NF, et al. **Biol Neonate** 1982;41(5–6):273–8

Quality of diet and blood folate concentrations [letter] Laurence KM, et al. **Br Med J [Clin Res]** 1982 Jul 17; 285(6336):216

Detergent activation of the binding protein in the folate radioassay. Hansen SI, et al. **Clin Chem** 1982 Jan; 28(1):117–8

The effect of the oxidation state of the folate standard on the results of the simultaneous radioassay of serum folate and cobalamin. Lindemans J, et al. **Clin Chim Acta** 1981 Aug 10;114(2–3):315–20

Levels of serum ferritin, folate, and vitamin B12 in pregnant women at term who had been supplemented with iron and folate. Celada A, et al. **Int J Biol Res Pregnancy** 1981; 2(3):142–5

Blood thiamine and blood folate levels. A comparative study in control, alcoholic and folate–deficient subjects. Bachevalier J, et al. **Int J Vitam Nutr Res** 1981;51(3):205–10

Folic acid and vitamin D status of young children receiving minimal anticonvulsant drug therapy. Enneking–Ivey O, et al. **Int J Vitam Nutr Res** 1981;51(4):349–52

Plasma and red cell folate values and folate requirements in formula–fed term infants. Ek J, et al. **J Pediatr** 1982 May;100(5):738–44

Serum folic acid and vitamin B12 levels—a preliminary study. Hussain SS, et al. **JPMA** 1981 Sep;31(9):197–200

Folate levels in inflammatory bowel disease [letter] Longstreth GF, et al. **N Engl J Med** 1982 Jun 17; 306(24):1488

Interactions of drugs and folate compounds at the cellular level. Branda RF, et al. **Prog Clin Biol Res** 1981;77:773–81

Role of serum folate and vitamin B12 concentrations in the differentiation of small intestinal abnormalities in the dog. Batt RM, et al. **Res Vet Sci** 1982 Jan;32(1):17–22

Serum folate determinations in tracing adult coeliacs. Hallert C, et al. **Scand J Gastroenterol** 1981;16(2):263–7

Folate and vitamin B12 (cobalamin) blood levels in elderly persons in geriatric homes. Magnus EM, et al. **Scand J Haematol** 1982 Apr;28(4):360–6

Acute depression of serum folate in surgical patients during preoperative infusion of ethanol–free parenteral nutrition. Tennant GB, et al. **Scand J Haematol** 1981 Nov; 27(5):327–32

Aminoacid infusion induced depression of serum folate after cholecystectomy. Tennant GB, et al. **Scand J Haematol** 1981 Nov;27(5):333–8

[Radiological investigations of cobalamin supply with regard to folate status (author's transl)] Urban G, et al. **Int J Vitam Nutr Res** 1981;51(2):124–31 (Eng. Abstr.) **(Ger)**

[Folate determination in serum for clinical use (author's transl)] Marchetti M. **Acta Vitaminol Enzymol** 1981; 3(2):115–25 (Eng. Abstr.) **(Ita)**

[Assay of vitamin B12 and folic acid in blood and its clinical significar ;e (author's transl)] Tanaka N, et al. **Rinsho Byori** 1981 Jun;29(6):554–63 **(Jpn)**

[Folic acid activity in acute infections in children] Ochocka M, et al. **Pediatr Pol** 1981 Sep;56(9):1079–87 (Eng. Abstr.) **(Pol)**

ISOLATION & PURIFICATION

Partial purification and characterization of a folate–binding protein from human choroid plexus. Suleiman SA, et al. **Neurochem Res** 1981 Mar;6(3):333–41

METABOLISM

Evidence for a folic acid binding protein in human cell membrane. Corrocher R, et al. **Acta Haematol (Basel)** 1981; 66(3):202–9

Recovery of tissue folates after inactivation of cobalamin by nitrous oxide. The significance of dietary folate. Lumb M, et al. **Am J Clin Nutr** 1981 Nov;34(11):2418–22

Changes in tissue folates accompanying nitrous oxide–induced inactivation of vitamin B12 in the rat. Lumb M, et al. **Am J Clin Nutr** 1981 Nov;34(11):2412–7

A new animal model for studies of in vivo folate kinetics. Steinberg SE, et al. **Am J Physiol** 1981 Dec;241(6):G516–9

Renal tubular transport of folic acid and methotrexate in the monkey. Williams WM, et al. **Am J Physiol** 1982 May; 242(5):F484–90

A long–term study of the absorption of large oral doses of folic acid. Zettner A, et al. **Ann Clin Lab Sci** 1981 Nov–Dec;11(6):516–24

Folic acid absorption test in various clinical conditions. Botez MI, et al. **Ann Nutr Metab** 1981;25(6):389–95

The effects of alcohol on folate metabolism. Hillman RS, et al. **Annu Rev Med** 1982;33:345–54

Irreversible inhibition of folate transport in Lactobacillus casei by covalent modification of the binding protein with carbodiimide–activated folate. Henderson GB, et al. **Arch Biochem Biophys** 1982 Jun;216(1):27–33

The metabolism and physiological disposition of radioactively labelled folate derivatives in the rat. Pheasant AE, et al. **Biochem Med** 1981 Dec;26(3):435–50

Effect of alcohol on tumor folate supply. Steinberg SE, et al. **Biochem Pharmacol** 1982 Apr 1;31(7):1461–3

Folate pentaglutamate and folate hexaglutamate mediated one–carbon metabolism. Brody T, et al. **Biochemistry** 1982 Jan 19;21(2):276–82

Uptake of oxidized folates by rat liver mitochondria. Cybulski RL, et al. **Biochim Biophys Acta** 1981 Aug 20;646(2):329–33

Effects of diets with or without folic acid, with or without methionine, on fetus development, folate stores and folic acid–dependent enzyme activities in the rat. Potier de Courcy G, et al. **Biol Neonate** 1981;39(3–4):132–40

Reactivation of folate–binding protein from cow's milk, purified by affinity chromatography in the presence of lecithin and other surfactants. Hansen SI, et al. **Biosci Rep** 1981 Sep;1(9):721–6

The effect of folate analogues and vitamin B12 on provision of thymine nucleotides for DNA synthesis in megaloblastic anemia. Taheri MR, et al. **Blood** 1982 Mar;59(3):634–40

Folate catabolism in tumour–bearing rats and rats treated with methotrexate. Saleh AM, et al. **Br J Cancer** 1981 Nov; 44(5):700–8

Methotrexate accumulation and folate depletion in cells as a possible mechanism of chronic toxicity to the drug. Kamen BA, et al. **Br J Haematol** 1981 Nov;49(3):355–60

The role of the enterohepatic cycle in folate supply to tumour in rats. Steinberg SE, et al. **Br J Haematol** 1982 Feb; 50(2):309–16

Selenium 75–selenofolate metabolism and radiation dosimetry. Hesp R, et al. **Br J Radiol** 1982 Mar; 55(651):213–6

Oral contraceptives: effect of folate and vitamin B12 metabolism. Shojania AM. **Can Med Assoc J** 1982 Feb 1; 126(3):244–7 (81 ref.)

Altered jejunal surface pH in coeliac disease: its effect on propranolol and folic acid absorption. Kitis G, et al. **Clin Sci** 1982 Oct;63(4):373–80

Time–course studies on the effects of oestradiol administration on the activity of some folate–metabolizing enzymes in chicken liver. Burns RA, et al. **Comp Biochem Physiol [B]** 1982;71(3):351–5

Half–life and metabolism of 3H–folic acid in oral contraceptive treated rats. Lakshmaiah N, et al. **Horm Metab Res** 1981 Jul;13(7):404–7

Cation–dependent binding of substrate to the folate transport protein of Lactobacillus casei. Henderson GB, et al. **J Bacteriol** 1982 Jun;150(3):1098–102

Isolation and characterization of a folate receptor from human placenta. Antony AC, et al. **J Biol Chem** 1981 Sep 25;256(18):9684–92

Effect of insulin on folic–acid transport in cultured fibroblasts. Eilam Y, et al. **J Cell Physiol** 1982 May; 111(2):218–22

Folate polyglutamate and monoglutamate accumulation in normal and SV40–transformed human fibroblasts. Hoffman RM, et al. **J Cell Physiol** 1981 Dec;109(3):497–505

10–Propargylaminopterin and alkyl homologues of methotrexate as inhibitors of folate metabolism. Piper JR, et al. **J Med Chem** 1982 Jul;25(7):877–80

Synthesis of pseudo cofactor analogues as potential inhibitors of the folate enzymes. Temple C Jr, et al. **J Med Chem** 1982 Feb;25(2):161–6

Two–compartment behavior during transport of folate compounds in L1210 cell plasma membrane vesicles. Yang CH, et al. **J Membr Biol** 1982;68(1):19–28

Folate derivatives in human cells: studies on normal and 5,10–methylenetetrahydrofolate reductase–deficient fibroblasts. Foo SK, et al. **J Nutr** 1982 Aug;112(8):1600–8

Interactions between folate and ascorbic acid in the guinea pig. Lewis CM, et al. **J Nutr** 1982 Apr;112(4):673–80

Effects of dietary fiber on the bioavailability of folic acid monoglutamate. Ristow KA, et al. **J Nutr** 1982 Apr;

112(4):750–8
Folate metabolism in the ethanol-fed rat. Wilkinson JA, et al. **J Nutr** 1982 Apr;112(4):604–9
Congenital folate malabsorption [letter] Poncz M, et al. **J Pediatr** 1981 Nov;99(5):828–9
The methyl-folate trap and the supply of S-adenosylomethionine [letter] **Lancet** 1981 Oct 3; 2(8249):755–6
Sulfasalazine inhibits the absorption of folates in ulcerative colitis. Halsted CH, et al. **N Engl J Med** 1981 Dec 17; 305(25):1513–7
Interactions between folates and carbamazepine or valproate in the rat. Smith DB, et al. **Neurology (NY)** 1982 Sep; 32(9):965–9
Depolarization-induced release of folates from slices of rat cerebellum. Brennan MJ, et al. **Neurosci Lett** 1981 Dec 23;27(3):347–50
Folate binder in milk may facilitate folate absorption. **Nutr Rev** 1982 Mar;40(3):90–2 (8 ref.)
Intestinal folic acid absorption and the acid microclimate. The effects of compounds relevant to folate malabsorption. Blair JA, et al. **Pflugers Arch** 1981 Nov;392(1):29–33
Synergism in the folate pathway. Harvey RJ. **Rev Infect Dis** 1982 Mar–Apr;4(2):255–60
[Specific folic acid binding protein in human saliva (author's transl)] PristoupilovA K, et al. **Cas Lek Cesk** 1980 Oct 10;119(40–41):1103–5 (Eng. Abstr.) **(Cze)**
[Megalocytic anemia of alcoholics and folic acid (author's transl)] Lederer J. **Sem Hop Paris** 1981 Sep 8–15; 57(29–32):1259–65 (Eng. Abstr.) **(Fre)**
[Iron, folate and vitamin B12 in maternal blood and breast milk (author's transl)] Imamura A. **Acta Obstet Gynaecol Jpn** 1981 Jul;33(7):1053–61 (Eng. Abstr.) **(Jpn)**

PHARMACODYNAMICS

Single nutrients and nonspecific immunity: role of folic acid on polymorphonuclear leukocytes phagocytosis [letter] Boles JM, et al. **Am J Clin Nutr** 1982 Sep;36(3):560–1
Homocysteine in the plasma of renal transplant recipients: effects of cofactors for methionine metabolism. Wilcken DE, et al. **Clin Sci** 1981 Dec;61(6):743–9
Chemoresponsiveness to cAMP and folic acid during growth, development, and dedifferentiation in Dictyostelium discoideum. Varnum B, et al. **Differentiation** 1981; 18(3):151–60
Induction of spermidine N1-acetyltransferase in rat kidney by treatment with folic acid. Matsui I, et al. **FEBS Lett** 1982 Mar 22;139(2):205–8
Vitamin B12-dependent replication of L1210 mouse leukemia cells. A model system for cobalamin–folate inter-relationships. Fujii K, et al. **J Biol Chem** 1981 Oct 25;256(20):10329–34
Effects of extended systemic and topical folate supplementation on gingivitis of pregnancy. Thomson ME, et al. **J Clin Periodontol** 1982 May;9(3):275–80
Developmental changes in the folate-dependent enzymes of de novo purine biosynthesis in rat brain. Domínguez J, et al. **J Neurochem** 1982 Mar;38(3):625–30
Electrophysiological action of kainic acid and folates in the in vitro olfactory cortex slice. Auker CR, et al. **Nature** 1982 Jun 17;297(5867):583–4
Pharmacy update: water soluble vitamin. Part 2. Elmer G. **Nurse Pract** 1981 Nov–Dec;6(6):40–8
[Biochemical mechanism of the epileptogenic action of folic acid injected intraventricular route and its control by pindolol] Hasni H, et al. **Agressologie** 1982 Mar;23(1):19–23 (Eng. Abstr.) **(Fre)**

THERAPEUTIC USE

Improvement in cervical dysplasia associated with folic acid therapy in users of oral contraceptives. Butterworth CE Jr, et al. **Am J Clin Nutr** 1982 Jan;35(1):73–82
Anemia of pregnancy in Liberia, West Africa: a therapeutic trial. Jackson RT, et al. **Am J Clin Nutr** 1982 Apr; 35(4):710–4
New concepts in nutrition and cancer: implications for folic acid. Butterworth CE Jr. **ASDC J Dent Child** 1981 Jul–Aug;48(4):300–3
Do patients receiving regular haemodialysis need folic acid supplements? Sharman VL, et al. **Br Med J [Clin Res]** 1982 Jul 10;285(6335):96–7
Influence of routine administration of folic acid and iron during pregnancy. Blot I, et al. **Gynecol Obstet Invest** 1981; 12(6):294–304
Dietary supplements in pregnancy. Smail SA. **J R Coll Gen Pract** 1981 Dec;31(233):707–11
Treatment and prophylaxis of anaemia of pregnancy with 'Fefol Spansule'. Seyal NA, et al. **JPMA** 1982 Feb; 32(2):43–5
Trials ahead [news] Wynn J. **Nature** 1982 Sep 16; 299(5880):198
Folic acid — has it a role in the treatment of severe iron deficiency anaemia in pregnancy? Dommisse J, et al. **S Afr Med J** 1982 May 29;61(22):831–2
[Vitamin prophylaxis for immature infant anemia (author's transl)] Gavinelli R, et al. **Acta Vitaminol Enzymol** 1980; 2(5–6):163–70 (Eng. Abstr.) **(Ita)**

TOXICITY

Differential effects of folic acid on water content, protein and microsomal 5'-phosphodiesterase activity of the rat kidney. Gaddis RR, et al. **Food Chem Toxicol** 1982 Apr; 20(2):159–64
Intrastriatal folic acid mimics the distant but not local brain damaging properties of kainic acid. Olney JW, et al. **Neurosci Lett** 1981 Sep 1;25(2):185–91

URINE

Urinary folate loss following inactivation of vitamin B12 by nitrous oxide in rats. Lumb M, et al. **Br J Haematol** 1982 Jun;51(2):235–42

FOLIC ACID ANTAGONISTS

Effect of nitrous oxide on human bone marrow cells and its synergistic effect with methionine and methotrexate on functional folate deficiency. Kano Y, et al. **Cancer Res** 1981 Nov;41(11 Pt 1):4698–701
Molecular structures of 2,4-diaminopyrimidine antifolates with antineoplastic activity. Cody V, et al. **J Med Chem** 1982 Apr;25(4):427–30
Potential anticancer agents. XXIII. 2. Quantitative structure--activity relationships (QSAR) in the 'classical' antifolates area. Niculescu-Duvaz I, et al. **Neoplasma** 1982; 29(1):53–63
Potential anticancer agents. XXIII. 1. Qualitative structure—activity relationship in the 'classical' antifolates area. Niculescu-Duvaz I, et al. **Neoplasma** 1982;29(1):43–52

CHEMICAL SYNTHESIS

Synthesis of 5,11-methenyltetrahydrohomofolate and its antifolate activity in vitro. Caperelli CA, et al. **J Med Chem** 1981 Sep;24(9):1086–8
10-Propargylaminopterin and alkyl homologues of methotrexate as inhibitors of folate metabolism. Piper JR, et al. **J Med Chem** 1982 Jul;25(7):877–80
Syntheses of alpha- and gamma-substituted amides, peptides, and esters of methotrexate and their evaluation as inhibitors of folate metabolism. Piper JR, et al. **J Med Chem** 1982 Feb;25(2):182–7

ISOLATION & PURIFICATION

Folate antagonists from a crude 'X-methyl folate' preparation. Stokstad EL, et al. **Biochem Biophys Res Commun** 1981 Nov 30;103(2):447–53

METABOLISM

Kinetics of metoprine, a lipid-soluble antifolate. Jones BR, et al. **Br J Clin Pharmacol** 1981 Nov;12(5):675–80
Biochemical and pharmacologic properties of a new folate analog, 10-deaza-aminopterin, in mice. Sirotnak FM, et al. **Cancer Treat Rep** 1982 Feb;66(2):351–8

PHARMACODYNAMICS

An antifolate-induced lesion in newly synthesized DNA. Sedwick WD, et al. **Adv Enzyme Regul** 1980;19:295–308
Establishment of methotrexate-resistant human acute lymphoblastic leukemia cells in culture and effects of folate antagonists. Ohnoshi T, et al. **Cancer Res** 1982 May; 42(5):1655–60
Comparative effects of methotrexate, two nonclassic folic acid antagonists, and cytarabine on hematopoietic precursor cells. Marsh JC. **Cancer Treat Rep** 1982 Mar; 66(3):499–504
Role of membrance transport in the pharmacologic action of antifolates. Sirotnak FM. **Cancer Treat Rep** 1981;65 Suppl 1:19–27
Folate antagonists. 19. Synthesis and antimalarial effects of 6-(arylthio)-2,4-pteridinediamines. Elslager EF, et al. **J Med Chem** 1981 Aug;24(8):1001–3
In vitro studies of 5, 10-methylenetetrahydrofolate reductase: inhibition by folate derivatives, folate antagonists, and monoamine derivatives. Hollinger JL, et al. **J Neurochem** 1982 Mar;38(3):638–42

TOXICITY

Toxicity of methotrexate and metoprine in a dihydrofolate reductase gene-amplified mouse cell line. Hamrell M, et al. **Mol Pharmacol** 1981 Nov;20(3):637–43

FOLIC ACID DEFICIENCY

see related
ANEMIA, SIDEROBLASTIC
[Folic acid deficiencies in pediatrics (author's transl)] Navarro J, et al. **Ann Pediatr (Paris)** 1982 Apr;29(4):249–51 (Eng. Abstr.) **(Fre)**

BLOOD

Blood thiamine and blood folate levels. A comparative study in control, alcoholic and folate-deficient subjects. Bachevalier J, et al. **Int J Vitam Nutr Res** 1981;51(3):205–10

COMPLICATIONS

Hypothesis: the importance of folacin in influencing susceptibility to malarial infection in infants. Brabin BJ. **Am J Clin Nutr** 1982 Jan;35(1):146–51
9-methyl pteroylglutamic acid, a synthetic analogue of folic acid: its effects on hexosamine levels in fetal rat limbs and other fetal tissues. Schmidt RR, et al. **Biol Neonate** 1982; 41(1–2):52–6
Infertility and folate deficiency. Case reports. Dawson DW, et al. **Br J Obstet Gynaecol** 1982 Aug;89(8):678–80
Neural tube defect [letter] Hume K. **Med J Aust** 1981 Oct 3;2(7):315
Nutritional megaloblastic anaemia in a young woman. Tydd TF, et al. **Med J Aust** 1981 Jul 25;2(2):96–7
Neurological disease in folic acid deficiency. **Nutr Rev** 1981 Sep;39(9):337–8
Fetal malnutrition: a possible cause of the fetal alcohol syndrome. Lin GW. **Prog Biochem Pharmacol** 1981; 18:115–21
Reversible neuropsychiatric disease related to folate deficiency. **RI Med J** 1981 Dec;64(12):545–6
Haematological and haemopoietic studies in an air-breathing fish on cyanocobalamin and folacin deficient diet. Mahajan CL, et al. **Scand J Haematol** 1981 Nov;27(5):346–54
[Reversible malabsorption, induced by folic acid nutritional failure, in an elderly patient (author's transl)] Lederer J, et al. **Acta Gastroenterol Belg** 1981 Nov–Dec; 44(11–12):494–501 (Eng. Abstr.) **(Fre)**
[Immunodeficiency in nutritional anemias (author's transl)] Bonnet Gajdos M, et al. **Ann Pediatr (Paris)** 1982 Apr; 29(4):259–63 **(Fre)**
[Clinical and pathological study of a case of subacute combined degeneration of the cord with folic acid deficiency (author's transl)] Guard O, et al. **Rev Neurol (Paris)** 1981;137(6–7):435–46 (Eng. Abstr.) **(Fre)**
[Megaloblastic anemia] Boll I. **Med Welt** 1981 Sep 18; 32(38):1416–9 **(Ger)**
[Clinical and hematological aspects of megaloblastic anemia. due to folic acid deficiency in 20 children] Liotta A, et al. **Acta Vitaminol Enzymol** 1981;3(2):91–5 (Eng. Abstr.) **(Ita)**
[Hematologic features of nutritional anemias in children] Mora LA, et al. **Bol Med Hosp Infant Mex** 1981 Nov–Dec; 38(6):923–31 (Eng. Abstr.) **(Spa)**

DIAGNOSIS

Folate and iron deficiencies in mothers and their newborn children. Blot I, et al. **Blut** 1982 May;44(5):297–303
[Folate determination in serum for clinical use (author's transl)] Marchetti M. **Acta Vitaminol Enzymol** 1981; 3(2):115–25 (Eng. Abstr.) **(Ita)**

DRUG THERAPY

Psychiatric changes associated with an excess of folic acid. Prakash R, et al. **Am J Psychiatry** 1982 Sep;139(9):1192–3

EMBRYOLOGY

Folate deficiency and in vitro palatogenesis I: effects of a folate-deficient culture on rabbit palate fusion and folate pools. DePaola DP, et al. **J Craniofac Genet Dev Biol** 1981; 1(1):5–13
[Maternal iron and folate deficiencies. Incidence on the newborn (author's transl)] Tchernia G, et al. **Ann Pediatr (Paris)** 1982 Apr;29(4):276–80 (Eng. Abstr.) **(Fre)**

ETIOLOGY

A preliminary report: nutritional levels and cognitive performance in chronic alcohol abusers. Albert M, et al. **Drug Alcohol Depend** 1982 Apr;9(2):131–42
[Megalocytic anemia of alcoholics and folic acid (author's transl)] Lederer J. **Sem Hop Paris** 1981 Sep 8–15; 57(29–32):1259–65 (Eng. Abstr.) **(Fre)**
[Folate deficiency occurred during the tube feeding (author's transl)] Fukayama M, et al. **Nippon Ronen Igakkai Zasshi** 1981 Nov;18(6):450–5 (Eng. Abstr.) **(Jpn)**

FAMILIAL & GENETIC

Disorders of vitamin absorption. Chanarin I. **Clin Gastroenterol** 1982 Jan;11(1):73–85

METABOLISM

Thymidylate synthesis in a folate deprived cell line. Marquet J, et al. **Br J Haematol** 1981 Sep;49(1):87–95
Effect of experimental folate deficiency on lipid metabolism in liver and brain. Akesson B, et al. **Br J Nutr** 1982 May; 47(3):505–20
Time-course studies on the effects of oestradiol administration on the activity of some folate-metabolizing enzymes in chicken liver. Burns RA, et al. **Comp Biochem Physiol [B]** 1982;71(3):351–5
Erythrocyte filterability, fragility, and membrane proteins in folic acid deficient guinea pigs. McGown EL, et al. **J Nutr** 1982 Jan;112(1):92–7
Effect of folate deficiency on microsomal drug metabolism and heme content in the intestinal mucosa of guinea pigs. Clement RP, et al. **Nutr Cancer** 1981;3(2):63–71

PATHOLOGY

Effect of folate deficiency on the reproductive organs of female rhesus monkeys: a cytomorphological and cytokinetic study. Mohanty D, et al. **J Nutr** 1982 Aug; 112(8):1565–76

PHYSIOPATHOLOGY

Effect of folate deficiency on the digestive and absorptive functions of intestinal epithelium in rats. Ansari S, et al. **Acta Vitaminol Enzymol** 1981;3(1):12–6

The blood–brain barrier and folate deficiency. Botez MI, et al. **Am J Clin Nutr** 1981 Sep;34(9):1725–30

Studies on liver regeneration after partial hepatectomy in folic-acid deficient rats: synthesis of pteroylpolyglutamates. Formiggini G, et al. **Ital J Biochem** 1981 May–Jun; 30(3):201–6

[Folic acid deficiency: incidence in 480 patients. Effects on phagocytosis of polymorphonuclear neutrophils] Boles JM, et al. **Rev Med Interne** 1982 Mar;3(1):51–6 (Eng. Abstr.) **(Fre)**

PSYCHOLOGY

Folic acid deficiency and depression [letter] Botez MI. **Psychosomatics** 1982 Jan;23(1):63–4

FOLIC ACID REDUCTASE see **TETRAHYDROFOLATE DEHYDROGENASE**

FOLIE A DEUX see **SHARED PARANOID DISORDER**

FOLINIC ACID see **CITROVORUM FACTOR**

FOLK MEDICINE see **MEDICINE, TRADITIONAL**

FOLKLORE

Some ethnological aspects on the treatment of elderly women. Samsioe G. **Acta Obstet Gynecol Scand [Suppl]** 1981;106:5–6

The changeling myth and the pre-psychology of parenting. Muir R. **Br J Med Psychol** 1982 Mar;55(Pt 1):97–104

Folklore surrounding facial deformity and the origins of facial prejudice. Shaw WC. **Br J Plast Surg** 1981 Jul; 34(3):237–46

Whistling maids and crowing hens—hermaphroditism in folklore and biology. Mittwoch U. **Perspect Biol Med** 1981 Summer;24(4):595–606

FOLLICLE-STIMULATING HORMONE see **FSH**

FOLLICULITIS

CHEMICALLY INDUCED

Occupational irritant contact folliculitis associated with triphenyl tin fluoride (TPTF) exposure. Andersen KE, et al. **Contact Dermatitis** 1982 May;8(3):173–7

[Folliculitis induced by actinomycin D] Henkes J, et al. **Actas Dermosifiliogr** 1981 Sep–Oct;72(9–10):469–72 (Eng. Abstr.) **(Spa)**

COMPLICATIONS

Larva migrans with eosinophilic papular folliculitis. Czarnetzki BM, et al. **Dermatologica** 1982 Jan;164(1):36–40

Renal failure and perforating folliculitis [letter] Hudson RD, et al. **JAMA** 1982 Apr 9;247(14):1936

[Dermatophytic (Trichophyton rubrum var. rhodainii) granuloma of the dermis caused by follicle invasion] Armijo F, et al. **Ann Dermatol Venereol** 1981;108(12):987–92 **(Fre)**

[Folliculitis decalvans] Muvdi F. **Med Cutan Iber Lat Am** 1980;8(4–6):81–4 (Eng. Abstr.) **(Spa)**

DIAGNOSIS

[Folliculitis decalvans] Suter L. **Hautarzt** 1981 Aug; 32(8):429–31 (Eng. Abstr.) **(Ger)**

[Inflammatory changes associated with eosinophilia, combining features of kimura's and Ofuji's diseases] Kudejko J. **Przegl Dermatol** 1981 Jul–Aug;68(4):497–502 (Eng. Abstr.) **(Pol)**

[Cutaneous changes combining features of Kimura's disease and Ofuji's disease (folliculitis pustulosa eosinophilica). A new disease entity?] Kudejko J, et al. **Przegl Dermatol** 1981 Jul–Aug;68(4):487–95 (Eng. Abstr.) **(Pol)**

DRUG THERAPY

Treatment of Gram-negative folliculitis with 13-cis-retinoic acid [letter] Jones DH, et al. **Br J Dermatol** 1982 Aug; 107(2):252–3

Action of isotretinoin in acne rosacea and gram-negative folliculitis. Plewig G, et al. **J Am Acad Dermatol** 1982 Apr; 6(4 Pt 2 Suppl):766–85

Treatment of pityrosporum folliculitis with ketoconazole (R 41400). Neumann HA, et al. **Mykosen** 1981 Mar; 24(3):167–71

ETIOLOGY

Perforating folliculitis in association with hemodialysis. Hurwitz RM, et al. **Am J Dermatopathol** 1982 Apr; 4(2):101–8

Perforating folliculitis of hemodialysis. White CR Jr, et al. **Am J Dermatopathol** 1982 Apr;4(2):109–16

Generalized rash form whirlpools and hot tubs [letter] Sausker WF. **Arch Dermatol** 1982 Jul;118(7):452

Hot tub folliculitis. A sheep in wolf's clothing [editorial] Zacherle BJ, et al. **Arch Intern Med** 1982 Sep;142(9):1620

Health spa whirlpools: a source of Pseudomonas folliculitis. Ford-Jones L, et al. **Can Med Assoc J** 1981 Nov 1; 125(9):1005–6

Follicular dermatitis caused by Salmonella dublin. Gillians JA, et al. **Med J Aust** 1982 May 1;1(9):390–1

FAMILIAL & GENETIC

[Atrophodermia vermiculata vera (author's transl)] Pullmann H, et al. **Z Hautkr** 1981 Nov 15;56(22):1473–7 (Eng. Abstr.) **(Ger)**

IMMUNOLOGY

Dissociated impairment of neutrophil functions and recurrent infections. Chastel C, et al. **Infection** 1982;10(3):125–7

MICROBIOLOGY

[Sycosis of the beard (tinea barbae). Analysis of 42 cases] De Lacerda MH, et al. **Med Cutan Iber Lat Am** 1981; 9(3):161–78 (Eng. Abstr.) **(Por)**

PATHOLOGY

Eosinophilic pustular folliculitis. Cutler TP. **Clin Exp Dermatol** 1981 May;6(3):327–32

Perforating folliculitis. A reappraisal of its pathogenesis. Burkhart CG. **Int J Dermatol** 1981 Nov;20(9):597–9

Erythromelanosis follicularis faciei et colli. A case report. Watt TL, et al. **J Am Acad Dermatol** 1981 Nov;5(5):533–4

[Eosinophilic pustular folliculitis (author's transl)] Kasai Y, et al. **Nippon Hifuka Gakkai Zasshi** 1981 Sep; 91(10):1029–35 **(Jpn)**

PREVENTION & CONTROL

Methods for preventing pseudomonas folliculitis. Smith GL. **Cutis** 1982 Apr;29(4):378, 381

FOLLOW-UP STUDIES

Planning the duration of a comparative clinical trial with loss to follow-up and a period of continued observation. Rubinstein LV, et al. **J Chronic Dis** 1981;34(9–10):469–79

Investigating non-response bias in mail surveys. Sheikh K, et al. **J Epidemiol Community Health** 1981 Dec;35(4):293–6

Length of follow-up in cohort studies [letter] Rushton L. **Lancet** 1982 Jun 19;1(8286):1421

[Three methods for the analysis of follow-up data (author's transl)] Hu KZ. **Chung Hua I Hsueh Tsa Chih** 1981 Aug; 61(8):496–9 **(Chi)**

[Logyank test as a statistical aid to follow-up studies (author's transl)] Qiao SM. **Chung Hua Yu Fang I Hsueh Tsa Chih** 1981 Jul;15(4):221–4 **(Chi)**

[Medical time series analysis (author's transl)] Tang DL. **Chung Hua Yu Fang I Hsueh Tsa Chih** 1982 Mar;16(2):81–4 **(Chi)**

[Statistical methods for analysing data in follow-up studies (author's transl)] Xie LH. **Chung Hua Yu Fang I Hsueh Tsa Chih** 1981 Sep; 15(5):279–80 **(Chi)**

[After care and follow up; doctor versus patient] Zwaveling A. **Ned Tijdschr Geneeskd** 1982 Jun 5;126(23):1047–9 **(Dut)**

[Proposed protocol for follow-up of infarct patients] Circo A, et al. **Boll Soc Ital Cardiol** 1981;26(4):361–74 (Eng. Abstr.) **(Ita)**

FOMINOBEN see under **MORPHOLINES**

FOMOCAIN see under **PHENYL ETHERS**

FONAZINE MESYLATE see under **PHENOTHIAZINES**

FOOD

see related
DIET
PLANTS, EDIBLE

Effect of indomethacin on the metabolic and hormonal response to a standardized breakfast in normal subjects. Luyckx AS, et al. **Acta Diabetol Lat** 1981 Jul–Sep; 18(3):259–66

The effect of food on the oral absorption of penicillin V preparations in children. Finkel Y, et al. **Acta Pharmacol Toxicol (Copenh)** 1981 Oct;49(4):301–4

Effect of a meal and previous exercise on the oxygen consumption/heart rate relationship [letter] Balwin K, et al. **Am J Clin Nutr** 1982 Jan;35(1):177–8

Refeeding after fasting in the rat: energy substrate fluxes and replenishment of energy stores. Björntorp P, et al. **Am J Clin Nutr** 1982 Sep;36(3):450–6

Prostaglandins and their metabolites in the gastrointestinal tract of Yucatan miniature swine. Dupont J, et al. **Am J Clin Nutr** 1981 Oct;34(10):2048–53

Bioavailable nutrient density: a new concept applied in the interpretation of food iron absorption data. Hallberg L. **Am J Clin Nutr** 1981 Oct;34(10):2242–7

Slow release dietary carbohydrate improves second meal tolerance. Jenkins DJ, et al. **Am J Clin Nutr** 1982 Jun; 35(6):1339–46

Refeeding after a fast in rats: effects on small intestinal enzymes. Kotler DP, et al. **Am J Clin Nutr** 1982 Sep; 36(3):457–62

An in vitro method for estimation of iron availability from meals. Miller DD, et al. **Am J Clin Nutr** 1981 Oct; 34(10):2248–56

A comparison of in vivo and in vitro methods for determining availability of iron from meals. Schricker BR, et al. **Am J Clin Nutr** 1981 Oct;34(10):2257–63

Postprandial effects of dietary phosphatidylcholine on plasma lipoproteins in man. Simonsson P, et al. **Am J Clin Nutr** 1982 Jan;35(1):36–41

Effects of food on valproic acid absorption. Hamilton RA, et al. **Am J Hosp Pharm** 1981 Oct;38(10):1490–3

Liver glycogen content decreases during meals in rats. Langhans W, et al. **Am J Physiol** 1982 Sep;243(3):R450–3

Sympathetic and thyroid influences on metabolic rate in fed, fasted, and refed rats. Rothwell NJ, et al. **Am J Physiol** 1982 Sep;243(3):R339–46

Heart failure during treatment of anorexia nervosa. Powers PS. **Am J Psychiatry** 1982 Sep;139(9):1167–70

A prospective study of response error in food history questionnaires: implications for foodborne outbreak investigation. Mann JM. **Am J Public Health** 1981 Dec; 71(12):1362–6

Circadian ultrastructural changes in rat gastric parietal cells under altered feeding regimens: a morphometric study. Jacobs DM, et al. **Anat Rec** 1982 May;203(1):101–13

Effect of recent food on estimation of high-density lipoprotein and total cholesterol in normal subjects. Booth S, et al. **Ann Clin Biochem** 1982 May;19(3):176–81

Beriberi caused by antithiamin factors in food and its prevention. Vimokesant S, et al. **Ann NY Acad Sci** 1982; 378:123–36 (20 ref.)

Food and drug interactions. Carr CJ. **Annu Rev Pharmacol Toxicol** 1982;22:19–29 (67 ref.)

Influence of study design in assessing food effects on absorption of erythromycin base and erythromycin stearate. DiSanto AR, et al. **Antimicrob Agents Chemother** 1981 Aug; 20(2):190–6

Impairing effect of food on ketoconazole absorption. Männistö PT, et al. **Antimicrob Agents Chemother** 1982 May;21(5):730–3

Effect of diet hydration on food and water intake, efficiency of food utilization and response to fast and realimentation in rats with dorsomedial hypothalamic hypophagia and growth retardation. Bernardis LL, et al. **Appetite** 1982 Mar; 3(1):35–52

Salivation and insulin secretion in response to food in non-obese men and women. Sahakian BJ, et al. **Appetite** 1981 Sep;2(3):209–16

Refeeding after acute gastroenteritis: a controlled study. Dugdale A, et al. **Arch Dis Child** 1982 Jan;57(1):76–8

Effect of a new potent H2-blocker, 3-]]]2-[(diaminomethylene)amino]-4-thiazolyl]methyl]-thi (YM-11170) on gastric secretion induced by histamine and food in conscious dogs. Takagi T, et al. **Arch Int Pharmacodyn Ther** 1982 Mar;256(1):49–58

The effect of food on the absorption of phenytoin. Kennedy MC, et al. **Aust NZ J Med** 1982 Jun;12(3):258–61

Effect of naturally occurring dietary fibre in Western foods on blood glucose. Simpson RW, et al. **Aust NZ J Med** 1981 Oct;11(5):484–7

The influence of food on the oral and intravenous pharmacokinetics of a high clearance drug: a study with labetalol. Daneshmend TK, et al. **Br J Clin Pharmacol** 1982 Jul;14(1):73–8

Delay in the absorption rate of theophylline from a sustained release theophylline preparation caused by food. Pedersen S. **Br J Clin Pharmacol** 1981 Dec;12(6):904–5

A study of the thermic responses to a meal and to a sympathomimetic drug (ephedrine) in relation to energy balance in man. Morgan JB, et al. **Br J Nutr** 1982 Jan; 47(1):21–32

Therapeutic review: harmony with drugs with food. Tuttle CB. **Can Med Assoc J** 1982 May 15;126(10):1161–2

Corn smut as a food source – perspectives on biology, composition, and nutrition. Kealey KS, et al. **CRC Crit Rev Food Sci Nutr** 1981;15(4):321–51 (148 ref.)

The diagnosis of postprandial hypoglycemia. Lev-Ran A, et al. **Diabetes** 1981 Dec;30(12):996–9

Effect of stress, meal and neostigmine on rectosigmoid electrical control activity (ECA) in normals and in irritable bowel syndrome patients. Sarna S, et al. **Dig Dis Sci** 1982 Jul;27(7):582–91

Differential timing of maximal postprandial concentrations of plasma chenodeoxycholate and cholate: its variability and implications. Beckett GJ, et al. **Digestion** 1981; 22(5):248–54

Effect of food and GH on the binding of 125I-somatomedin A to the membranes of rat lung and kidney. Takano K, et al. **Endocrinol Jpn** 1981 Oct;28(5):669–75

The effect of food on the pharmacokinetics and pharmacodynamics of tolmesoxide in essential hypertensives. Elliott HL, et al. **Eur J Clin Pharmacol** 1982; 21(4):287–91

Influence of food intake on bioavailability of theophylline in premature infants. Heimann G, et al. **Eur J Clin Pharmacol** 1982;22(2):171–3

Effect of food on the absorption of hydralazine in man. Walden RJ, et al. **Eur J Clin Pharmacol** 1981;20(1):53–8

The roles of phosphorus deficiency and low food intake in the preservation of renal function in uraemic rats. Laouari D, et al. **Experientia** 1982 Jun 15;38(6):681–2

Refeeding of mice after fasting stimulates cell renewal in the gall bladder epithelium. Putz P, et al. **Experientia** 1981 Jul 15;37(7):744–5

Traditional and non–traditional foods. Ferrando R. **FAO Food Nutr Ser** 1981;2:1–156

Role of food in gastrointestinal ulceration produced by indomethacin in the rat. Satoh H, et al. **Gastroenterology** 1982 Jul;83(1 Pt 2):210–5

Effect of atropine on gastrin release stimulated by an amino acid meal in humans. Schiller LR, et al. **Gastroenterology** 1982 Jul;83(1 Pt 2):267–72

Effect of food intake on diel variation in plasma thyroid hormone levels in rainbow trout, Salmo gairdneri. Eales JG, et al. **Gen Comp Endocrinol** 1981 Oct;45(2):167–74

Gastric emptying of solids in man. Holt S, et al. **Gut** 1982 Apr;23(4):292–6

NADP–dependent dehydrogenases in rat liver parenchyma. III. The description of a liponeogenic area on the basis of histochemically demonstrated enzyme activities and the neutral fat content during fasting and refeeding. Rieder H. **Histochemistry** 1981;72(4):579–615

The effect of timing of a standard meal on plasma cortisol levels in man. English J, et al. **Horm Metab Res** 1982 Feb; 14(2):106

Rate dependent stimulation of insulin and glucagon but not gastrin and somatostatin release during the intestinal phase of a meal. Schusdziarra V, et al. **Horm Metab Res** 1982 Apr;14(4):169–71

The response of protein and energy metabolism to food intake in lean and obese man. Clugston GA, et al. **Hum Nutr Clin Nutr** 1982;36C(1):57–70

Feeding frequency and energy balance in adult males. Dallosso HM, et al. **Hum Nutr Clin Nutr** 1982;36C(1):25–39

Nutrition and the use of food as a weapon in Zimbabwe and Southern Africa. Sanders D. **Int J Health Serv** 1982; 12(2):201–13

A 300 kcal (1.2 MJ) diet using conventional food. Zöllner N, et al. **Int J Obes** 1981;5(3):217–20

Food cooperative shoppers: nutrition, knowledge, attitudes, and concerns. Ehlers KM, et al. **J Am Diet Assoc** 1982 Feb;80(2):160–2

Salt–its use in animal products– a human health dilemma. Pearson AM, et al. **J Anim Sci** 1982 Jun;54(6):1263–78 (53 ref.)

The influence of food on the absorption of antimicrobial agents. Welling PG, et al. **J Antimicrob Chemother** 1982 Jan;9(1):7–27 (80 ref.)

Determination of free and bound manganese(II) in hepatocytes from fed and fasted rats. Ash DE, et al. **J Biol Chem** 1982 Aug 25;257(16):9261–4

Suppression of cytoplasmic protein uptake by lysosomes as the mechanism of protein regain in livers of starved–refed mice. Hutson NJ, et al. **J Biol Chem** 1982 Aug 25; 257(16):9548–54

Urinary C–peptide: an indicator of beta–cell secretion under different metabolic conditions. Blix PM, et al. **J Clin Endocrinol Metab** 1982 Mar;54(3):574–80

Feedback from meal–related peaks determines diurnal changes in cortisol response to exercise. Brandenberger G, et al. **J Clin Endocrinol Metab** 1982 Mar;54(3):592–6

Diurnal cortisol peaks and their relationships to meals. Follenius M, et al. **J Clin Endocrinol Metab** 1982 Oct; 55(4):757–61

Gastrin Responses to a test meal in patients with familial medullary thyroid carcinoma. O'Dorisio TM, et al. **J Clin Endocrinol Metab** 1982 Apr;54(4):798–802

The food–entrained prolactin and cortisol release in late pregnancy and prolactinoma patients. Quigley ME, et al. **J Clin Endocrinol Metab** 1982 Jun;54(6):1109–12

The role of endogenous gastric inhibitory polypeptide in the enteroinsular axis. Takemura J, et al. **J Clin Endocrinol Metab** 1982 May;54(5):909–13

Effect of food and antacid on binding of sucralfate to normal and ulcerated gastric and duodenal mucosa in rats. Giesing DH, et al. **J Clin Gastroenterol** 1981;3(Suppl 2):111–6

Elevation of plasma neurotensinlike immunoreactivity after a meal. Characterization of the elevated components. Hammer RA, et al. **J Clin Invest** 1982 Jul;70(1):74–81

Circulating immune complexes following food: delayed clearance in idiopathic glomerulonephritis. Cairns SA, et al. **J Clin Lab Immunol** 1981 Sep;6(2):121–6

Clobazam kinetics: intrasubject variability and effect of food on adsorption. Divoll M, et al. **J Clin Pharmacol** 1982 Jan; 22(1):69–73

Effect of food on the bioavailability and pattern of release of a sustained–release theophylline tablet. Leeds NH, et al. **J Clin Pharmacol** 1982 Apr;22(4):196–200

Effect of food on the bioavailability of captopril in healthy subjects. Singhvi SM, et al. **J Clin Pharmacol** 1982 Feb–Mar;22(2–3):135–40

Drug–nitrite interactions in human saliva: effects of food constituents on carcinogenic N–nitrosamine formation. Rao GS, et al. **J Dent Res** 1982 Jun;61(6):768–71

Physician knowledge of sodium content of common foods. Heidrich FE, et al. **J Fam Pract** 1982 Apr;14(4):693–7

Mayonnaise and hot tar burns. Shea PC Jr, et al. **J Med Assoc Ga** 1981 Sep;70(9):659–60

Meal size and gastric emptying [letter] Rattner Z, et al. **J Nucl Med** 1981 Sep;22(9):831–2

Effect of energy restriction on total heat production, basal metabolic rate, and specific dynamic action of food in rats. Forsum E, et al. **J Nutr** 1981 Oct;111(10):1691–7

Comparative studies of adaptive responses of fatty acid synthetase activities in rat liver and adipose tissue. Kim M, et al. **J Nutr** 1981 Nov;111(11):1985–95

Fasting and postprandial plasma free amino acids of infants and children consuming exclusively potato protein. Lopez de Romaña G, et al. **J Nutr** 1981 Oct;111(10):1766–71

Bioavailability of nickel in man: effects of foods and chemically–defined dietary constituents on the absorption of inorganic nickel. Solomons NW, et al. **J Nutr** 1982 Jan; 112(1):39–50

Meal timing dominates the lighting regimen as a synchronizer of the circadian blood ethanol clearance rate rhythm in rats. Sturtevant RP, et al. **J Nutr** 1981 Nov;111(11):2000–5

Effects of diet composition and adrenalectomy on the lipogenic responses of rats to starvation–refeeding. Williams BH, et al. **J Nutr** 1982 Mar;112(3):534–41

Food antibodies in milk from Guatemalan women. Cruz JR, et al. **J Pediatr** 1981 Oct;99(4):600–2

Influence of food and fluid volume on chlorothiazide bioavailability: comparison of plasma and urinary excretion methods. Welling PG, et al. **J Pharm Sci** 1982 Jan; 71(1):32–5

Effect of food on the bioavailability of griseofulvin from microsize and PEG ultramicrosize (GRIS–PEG) plain tablets. Aoyagi N, et al. **J Pharmacobiodyn** 1982 Feb; 5(2):120–4

The bioavailabilities of aspirin from an aspirin aluminum and an aspirin tablet and the effects of food and aluminum hydroxide gel. Kaniwa N, et al. **J Pharmacobiodyn** 1981 Nov;4(11):860–4

The bioavailability of flufenamic acid from aluminum flufenamate tablet and flufenamic acid capsule, and the influence of food and aluminum hydroxide gel. Kaniwa N, et al. **J Pharmacobiodyn** 1982 Mar;5(3):187–92

Measurement of gastrointestinal transit of solid food using a colestipol–phenol red complex as a marker. Kunihara M, et al. **J Pharmacobiodyn** 1981 Dec;4(12):916–21

Staining calcified dental tissues with food. Chan KC, et al. **J Prosthet Dent** 1981 Aug;46(2):175–8

Occlusal forces during chewing—influences of biting strength and food consistency. Gibbs CH, et al. **J Prosthet Dent** 1981 Nov;46(5):561–7

Nutritional traditions in Turkey (with reference to education needs). Merdol TO. **J Trop Pediatr** 1981 Dec;27(6):273–8

Food peptides. A new class of hormones? Morley JE. **JAMA** 1982 May 7;247(17):2379–80

Effects of the disaccharidase inhibitor acarbose on meal and intravenous glucose tolerance in normal man. Dimitriadis G, et al. **Metabolism** 1982 Aug;31(8):841–3

Effect of intermittent physiologic hyperglucagonemia on postprandial plasma glucose levels in normal man. Mackes K, et al. **Metabolism** 1981 Nov;30(11):1041–4

Meal stimulation of cortisol secretion: a protein induced effect. Slag MF, et al. **Metabolism** 1981 Nov;30(11):1104–8

Differing thyrotropin responses to increased serum triiodothyronine concentrations produced by overfeeding and by triiodothyronine administration. Utiger RD. **Metabolism** 1982 Feb;31(2):180–3

Modified fluctuation test for the direct detection of mutagens in foods with Salmonella typhimurium TA98. Levin DE, et al. **Mutat Res** 1981 Oct;85(5):309–21

Actual problems of research in food science. Schmandke H. **Nahrung** 1981;25(1):39–47

The cariogenicity of experimental biscuits containing wheatgerm and rolled oats, and the effect of supplementation with milk powder. Thomson ME, et al. **NZ Dent J** 1982 Jan;78(351):3–6

Role of nutrients in the gastrointestinal release of immunoreactive neurotensin. Go VL, et al. **Peptides (Fayetteville)** 1981;2 Suppl 2:267–9

Human obesity, dieting, and anticipatory salivation to food. Klajner F, et al. **Physiol Behav** 1981 Aug;27(2):195–8

Effect of realimentation and triiodothyronine on DNA synthesis in intact and partially resected rat liver. Simek J, et al. **Physiol Bohemoslov** 1981;30(6):543–8

The cultural significance of food and eating. Murcott A. **Proc Nutr Soc** 1982 Jun;41(2):203–10

Bioavailability of iron from different meals. Hallberg L. **Prog Clin Biol Res** 1981;77:333–43

Interactions between food components and their nutritional significance: introductory remarks. Kirk JR. **Prog Clin Biol Res** 1981;77:223–5

Food intake and drug bioavailability. Melander A. **Prog Clin Biol Res** 1981;77:747–56

Current methods of assessing food intake. Nesheim RO. **Prog Clin Biol Res** 1981;67:49–57

Nationwide food consumption survey, 1977–1978. Peterkin BB. **Prog Clin Biol Res** 1981;67:59–69

The level of the water–soluble vitamin intake with foods in the USSR. Shaternikov VA, et al. **Prog Clin Biol Res** 1981; 77:159–63

Maillard reactions in food. Chemical, physiological and technological aspects. Preface. Eriksson CE, et al. **Prog Food Nutr Sci** 1981;5(1–6):1–3

An investigation of the interaction between the reinforcing properties of food and ethanol using the place preference paradigm. Stewart RB, et al. **Prog Neuropsychopharmacol** 1981;5(5–6):609–13

Biliary response to food in rabbits: role of the gall bladder and the enterohepatic circulation of bile salts. Esteller A, et al. **Q J Exp Physiol** 1981 Oct;66(4):359–65

Food & medicine incompatibility. Rogers HJ. **R Soc Health J** 1982 Feb;102(1):24–8

The effect of starvation, restricted feed intake and refeeding on acid phosphatase activity of the hypothalamus and frontal cerebral cortex of the rat. Ruiz de Galarreta CM, et al. **Rev Esp Fisiol** 1981 Sep;37(3):349–52

Daily plasma citrate rhythms in man during feeding and fasting. Nielsen TT, et al. **Scand J Clin Lab Invest** 1981 May;41(3):281–7

Iron absorption in relation to iron status. Model proposed to express results to food iron absorption measurements. Magnusson B, et al. **Scand J Haematol** 1981 Sep;27(3):201–8

A light microscope method for following the incorporation of gluten into dough or other foodstuffs containing different proteins. Moss R, et al. **Stain Technol** 1982 Jan;57(1):1–4

Reduction of postprandial release of pancreatic polypeptide after development of pancreatic fibrosis. Inoue K, et al. **Surg Gynecol Obstet** 1982 May;154(5):699–703

Serum pancreatic polypeptide responses to food and secretion in patients with Billroth I and Billroth II gastrectomies and in normal subjects. Lamers CB, et al. **Surgery** 1982 Mar;91(3):288–92

The role of the health sector in food and nutrition. **WHO Tech Rep Ser** 1981;667:1–90

[Drugs and foods] Elis J, et al. **Cesk Farm** 1981 Dec; 30(10):367–72 **(Cze)**

[Effect of insulin on DNA synthesis in the liver of rats refed after starvation] Simek J, et al. **Sb Ved Pr Lek Fak Univ Karlovy [Suppl]** 1981;24(1):115–21 **(Cze)**

[Alcohol consumption in relation to energy intake in 50–59 year old Danish men from a rural and an urban community] Paerregaard A, et al. **Ugeskr Laeger** 1981 Nov 16; 143(47):3145–9 (Eng. Abstr.) **(Dan)**

[Esophageal food impaction. Treatment by glucagon (author's transl)] Debongnie JC, et al. **Acta Gastroenterol Belg** 1981 Jul–Aug;44(7–8):314–9 (Eng. Abstr.) **(Fre)**

[Acute esophageal obstruction of dietary origin in the adult] Braillon A, et al. **Med Chir Dig** 1982;11(1):55–6 **(Fre)**

[Unusual coloration of intestinal contents. A surprising observation and its harmless explanation] Klug E, et al. **Arch Kriminol** 1981 Nov–Dec;168(5–6):129–32 (Eng. Abstr.) **(Ger)**

[Food abrasion of filling materials. Simulation in a model experiment] Soltész U, et al. **Dtsch Zahnarztl Z** 1981 Oct; 36(10):648–51 **(Ger)**

[Dissolution of sugar from sugar–containing foods in the oral cavity] Schiweck H, et al. **Z Ernahrungswiss** 1982 Jun; 21(2):146–69 **(Ger)**

[Effect of scheduling of meal times on the circadian rhythm of energy expenditure] Consoli A, et al. **Boll Soc Ital Biol Sper** 1981 Dec 15;57(23):2322–4 (Eng. Abstr.) **(Ita)**

[A dietetic biscuit with antacid action: in vitro experiments] Menicagli C, et al. **Farmaco [Prat]** 1982 Apr;37(4):139–46 (Eng. Abstr.) **(Ita)**

[Effects of correction of eating behavior and metabolic consumption on diarrhea, subcutaneous tissue, growth and hemoglobin in 18 children with aspecific chronic diarrhea] Ciampolini M, et al. **Minerva Pediatr** 1981 Nov 30; 33(22):1081–7 (Eng. Abstr.) **(Ita)**

[Effects of food temperature on the esophageal motility in Chagas' megaesophagus. Manometric study] de Rezende JM, et al. **Arq Gastroenterol** 1981 Jan–Mar;18(1):8–13 (Eng. Abstr.) **(Por)**

[Physiological analysis of food motivation in experimentally induced water–salt imbalance] Batuev AS, et al. **Fiziol Zh SSSR** 1982 Feb;68(2):229–34 (Eng. Abstr.) **(Rus)**

[The evolution of human nutrition] Jaffé WG. **Arch Latinoam Nutr** 1981 Mar;31(1):13–24 (Eng. Abstr.) **(Spa)**

ADVERSE EFFECTS

Naturally occurring food toxicants: phenolic substances of plant origin common in foods. Singleton VL. **Adv Food Res** 1981;27:149–242 (469 ref.)

Adverse reactions to foods. Bender AE, et al. **Br J Nutr** 1981 Nov;46(3):403–7

Priorities assessment for studies of mutagen production in cooked foods. Plumlee C, et al. **J Am Diet Assoc** 1981 Oct;79(4):446–9

Food preferences of patients with cancer. Vickers ZM, et al. **J Am Diet Assoc** 1981 Oct;79(4):441–5

Toxicological evaluation of Maillard products. Asp NG. **Prog Food Nutr Sci** 1981;5(1–6):483–4

ECONOMICS

The economics of nutrition planning. Keith JE. **J Am Diet Assoc** 1981 Dec;79(6):649–53

Meal cost analysis: health food store versus conventional food sources. Lekon BM, et al. **J Am Diet Assoc** 1981 Oct; 79(4):456–8

Factors affecting food selection: the role of economics. Popkin BM, et al. **J Am Diet Assoc** 1981 Oct;79(4):419–25

Price of amino acids as a basis for planning protein adequate diets. Ladipo PA, et al. **J Hum Nutr** 1981 Oct;35(5):358–67

HISTORY

Religion, medicine, politics and spices. Sass LJ. **Appetite** 1981 Mar;2(1):7–13

STANDARDS

Refined foods. Bender AE. **Bibl Nutr Dieta** 1981;(30):160–5
The effect of microwaves on nutrient value of foods. Cross GA, et al. **CRC Crit Rev Food Sci Nutr** 1982;16(4):355–81 (101 ref.)
Nutrition and the work of the Codex Alimentarius Commission. Allen RJ. **Food Nutr (Roma)** 1981;7(1):22–7
Consumption of foods from vending machines at the University of Delaware. Aljadir LP, et al. **J Am Coll Health Assoc** 1981 Dec;30(3):149–50
Mineral contents of selected pre-prepared food sampled in a hospital food service line. Leung C, et al. **J Am Diet Assoc** 1982 Jun;80(6):530–6
Products cooked in preheated versus non-preheated ovens. Baking times, calculated energy consumption, and product quality compared. Odland D, et al. **J Am Diet Assoc** 1982 Aug;81(2):135–45
How flavour and appearance affect human feeding. Rolls BJ, et al. **Proc Nutr Soc** 1982 Jun;41(2):109–17 (21 ref.)
Food and nutrition planning in El Salvador. Allwood-Paredes J. **Prog Clin Biol Res** 1981;67:505–13
Food and nutrition guidelines in Canada. Beare-Rogers JL. **Prog Clin Biol Res** 1981;67:481–9
National food and nutrition policies of Mexico. Laguna J. **Prog Clin Biol Res** 1981;67:491–6
Colombian food and nutrition policies. Reyes MA. **Prog Clin Biol Res** 1981;67:497–503
The estimation of available lysine foodstuffs after Maillard reactions. Hurrell RF, et al. **Prog Food Nutr Sci** 1981; 5(1–6):159–76 (63 ref.)
Nitrogen and energy availabilities in foods and feeds subjected to heating. Knipfel JE. **Prog Food Nutr Sci** 1981; 5(1–6):177–92 (37 ref.)
Physiological and safety aspects of Maillard browning of foods. Lee TC, et al. **Prog Food Nutr Sci** 1981;5(1–6):243–56 (44 ref.)
The Maillard reaction in food; a critical review from the nutritional standpoint. Mauron J. **Prog Food Nutr Sci** 1981; 5(1–6):5–35 (113 ref.)
Food standards of the EC: scientific aspects. Elton GA. **R Soc Health J** 1981 Dec;101(6):219–22

FOOD ADDITIVES

Concentration of chlortetracycline in the blood of Yellow-Crowned Amazon parrots fed medicated pelleted feeds. Landgraf WW, et al. **Avian Dis** 1982 Jan–Mar; 26(1):14–7
The search for zero. Miller SA. **Biomed Mass Spectrom** 1981 Sep;8(9):376–9
Preliminary studies on calcium lactate as an anticaries food additive. Shrestha BM, et al. **Caries Res** 1982;16(1):12–7
Lipid-linked intermediates in the biosynthesis of xanthan gum. Ielpi L, et al. **FEBS Lett** 1981 Aug 3;130(2):253–6
Food additives and hyperactivity [editorial] **Lancet** 1982 Mar 20;1(8273):662–3
Food products containing tartrazine [letter] Tse CS. **N Engl J Med** 1982 Mar 18;306(11):681–2
Food additives: boon or bogeyman? Blanchfield JR. **R Soc Health J** 1982 Jun;102(3):108–13
[The use of silica as an anti-caking agent in food powder flavors] Vigneron M. **Bull Acad Natl Med (Paris)** 1981 Feb; 165(2):273 **(Fre)**
[The use of silica in vegetable and powder soups] Vigneron M. **Bull Acad Natl Med (Paris)** 1981 Feb;165(2):275–6 **(Fre)**
[The problem of the use of antibiotics in animal production and the appearance of antibiotic-resistant bacterial strains in man] Kolb E. **Z Gesamte Inn Med** 1981 Dec 15; 36(24):945–50 (40 ref.) (Eng. Abstr.) **(Ger)**

ADMINISTRATION & DOSAGE

[Parenteral hyperalimentation with Survimed in surgical patients] Krasnodębski IWU, et al. **Wiad Lek** 1981 Mar 1;34(5):377–81 (Eng. Abstr.) **(Pol)**

ADVERSE EFFECTS

Food additives and hyperkinesis. Forsyth B. **Am J Dis Child** 1981 Nov;135(11):1080
Is there any relationship between food additives and hyperkinesis? Ribon A, et al. **Ann Allergy** 1982 May; 48(5):275–8
Food additives and developmental disorders: the case of erythrosin (FD&C Red 3), or guilty until proven innocent? Mailman RB, et al. **Appl Res Ment Retard** 1981; 2(4):297–305
Hyperactivity and the Feingold diet [letter] Traxel WL. **Arch Gen Psychiatry** 1982 May;39(5):624
Alcohol-induced bronchospasm [letter] Malish DM. **Chest** 1982 Mar;81(3):389–90
Contact dermatitis and flare from food flavouring agents. Bedello PG, et al. **Contact Dermatitis** 1982 Mar;8(2):143–4
Effects of long term feeding of chromate treated parboiled rice in rats. Rao CN, et al. **Indian J Med Res** 1981 Mar; 73:357–62
Food additives and environmental chemicals as sources of childhood behavior disorders. Weiss B. **J Am Acad Child Psychiatry** 1982 Mar;21(2):144–52
Nutrition and hyperactivity [editorial] Forbes GB. **JAMA** 1982 Jul 16;248(3):355–6
Food additives and hyperactivity [letter] **Lancet** 1982 May 15;1(8281):1128
Evidence for a food additive as a cause of ketosis-prone diabetes. Helgason T, et al. **Lancet** 1981 Oct 3; 2(8249):716–20
Food additive as a cause of ketosis-prone diabetes [letter] Helgason T. **Lancet** 1982 Jan 30;1(8266):286
Placebo-controlled tests of chemical food additives: are they valid? Rippere V. **Med Hypotheses** 1981 Jun;7(6):819–23
Chinese-restaurant asthma [letter] Allen DH, et al. **N Engl J Med** 1981 Nov 5;305(19):1154–5
New considerations on hydrogen peroxide and related substances as food additives in view of carcinogenicity. Ito R. **Paediatrician** 1982;11(3–4):222–4
Dietary treatment of children with problematic activity level. Rogers GS, et al. **Psychol Rep** 1981 Apr;48(2):487–94
Evaluation of certain food additives. **WHO Tech Rep Ser** 1981;669:1–45
[Weighing use and safety of therapeutic agents and feed additives (author's transl)] van der Wal P. **Tijdschr Diergeneeskd** 1982 Feb 1;107(3):78–85 (Eng. Abstr.) **(Dut)**
[Acetylsalicylic acid and food additive intolerance in urticaria, bronchial asthma and rhinopathy] Wüthrich B, et al. **Schweiz Med Wochenschr** 1981 Sep 26; 111(39):1445–50 (Eng. Abstr.) **(Ger)**
[Interactions between drugs and various food additives with medico-sanitary implications] Năstasă V, et al. **Rev Med Chir Soc Med Nat Iasi** 1981 Jul–Sep;85(3):423–8 **(Rum)**
[Mutagenic action of foreign substances contained in food products] Maganova NB. **Vopr Pitan** 1982 Mar–Apr;(2):3–8 (82 ref.) **(Rus)**

ANALYSIS

Gravimetric determination of ethoxylated mono- and diglycerides in bread. Lawrence JF, et al. **J Assoc Off Anal Chem** 1981 Nov;64(6):1462–4
Gas-liquid chromatographic determination of adipate content of acetylated di-starch adipate. Mitchell GA, et al. **J Assoc Off Anal Chem** 1982 Mar;65(2):238–40
Rapid screening test for sulfamethazine in swine feeds. Schwartz DP. **J Assoc Off Anal Chem** 1982 May; 65(3):701–5
[Biological value of fish dishes with added sea kale] Petrovskiĭ KS, et al. **Gig Sanit** 1982 Feb;(2):26–8 (Eng. Abstr.) **(Rus)**

METABOLISM

Caloric utilization and disposition of [14C]polydextrose in the rat. Figdor SK, et al. **J Agric Food Chem** 1981 Nov–Dec;29(6):1181–9
Absorption, distribution and residue evaluation of active substances used as feed additives. Kaemmerer K. **Tijdschr Diergeneeskd** 1981 Oct;106(20):suppl 3:183–9

PHARMACODYNAMICS

Relationship between monensin and sulphur amino acid requirements in broiler chickens. Yamane T, et al. **Br Poult Sci** 1982 May;23(3):225–31
Comparison of two forms and two levels of lasalocid with monensin on feedlot cattle performance. Berger LL, et al. **J Anim Sci** 1981 Dec;53(6):1440–5
Efficacy of monensin as a cattle feed additive against the face fly and horn fly. Herald F, et al. **J Anim Sci** 1982 Jun;54(6):1128–31
Rumen volatile fatty acid production and nutrient utilization in steers fed a diet supplemented with sodium bicarbonate and monensin. Rogers JA, et al. **J Dairy Sci** 1982 Jun; 65(6):944–52
Effect of 3-nitro-10 on egg yolk pigmentation. Janky DM, et al. **Poult Sci** 1982 Mar;61(3):573–4
[Current animal feeds with antimicrobial activity] Drumev D. **Vet Med Nauki** 1981;18(7):10–25 (110 ref.) (Eng. Abstr.) **(Bul)**
[Effect of antibiotic feed additives on the intestinal flora and the persistence of salmonellae in chickens] Matthes S, et al. **DTW** 1982 Jan 5;89(1):19–22 (Eng. Abstr.) **(Ger)**
[Effect of autolytic changes in meat and of variation in technological additives on the free and bound thiamine content of sterilized port meat] Janitz W. **Z Ernahrungswiss** 1982 Mar;21(1):67–76 **(Ger)**

POISONING

[Inaccuracy in the administration of carbadox to swine] **Tijdschr Diergeneeskd** 1982 Jun 15;107(12):474–5 **(Dut)**
[A case of carbadox poisoning (letter)] van Schie FW. **Tijdschr Diergeneeskd** 1982 Jun 1;107(11):428 **(Dut)**

TOXICITY

Long-term toxicity study quillaia extract in rats. Drake JJ, et al. **Food Chem Toxicol** 1982 Feb;20(1):15–23
Short-term toxicity study of metatartaric acid in rats. Ingram AJ, et al. **Food Chem Toxicol** 1982 Jun;20(3):253–7
Carcinogenic, Mutagenic, and Comutagenic Aromatic Amines in Human Foods. Sugimura T, et al. **Natl Cancer Inst Monogr** 1981 Dec;(58):27–33
Effects of caramel color (ammonia process) on mammalian vitamin B6 metabolism. Spector R, et al. **Toxicol Appl Pharmacol** 1982 Jan;62(1):172–8
[Analysis of the mutagenic activity of nitrofurylacrylic acid] Zhurkov VS, et al. **Vopr Pitan** 1981 Jul–Aug;(4):63–7 (Eng. Abstr.) **(Rus)**

FOOD ADULTERATION see FOOD CONTAMINATION

FOOD ANALYSIS

Nutrient intake and health status of vegans. Chemical analyses of diets using the duplicate portion sampling technique. Abdulla M, et al. **Am J Clin Nutr** 1981 Nov; 34(11):2464–77
Peroxidase levels in food: relevance to colorectal cancer screening. Caligiore P, et al. **Am J Clin Nutr** 1982 Jun; 35(6):1487–9
A factor in food which impairs Na+-K+-ATPase in vitro. Harlan DM, et al. **Am J Clin Nutr** 1982 Feb;35(2):250–7
Pantothenic acid content of a nursing home diet 1,2. Walsh JH, et al. **Ann Nutr Metab** 1981;25(3):178–81
Problems of mineral supply in industrialized countries. Haenel H, et al. **Bibl Nutr Dieta** 1981;(30):100–10
Content of phospholipids in human diets studied by the duplicate-portion technique. Akesson B. **Br J Nutr** 1982 Mar;47(2):223–9
Trace nutrients. 4. Iodine in British food. Wenlock RW, et al. **Br J Nutr** 1982 May;47(3):381–90
Detection of acrylonitrile and ethylene oxide in air and fumigated foodstuffs. Rajendran S, et al. **Bull Environ Contam Toxicol** 1981 Sep;27(3):426–31
Mutagens, carcinogens, and tumor promoters in our daily food. Sugimura T. **Cancer** 1982 May 15;49(10):1970–84
The presence of aflatoxin and some polycyclic aromatic hydrocarbons in human foods. Emerole GO, et al. **Cancer Lett** 1982 Feb;15(2):123–9
Determination of mutagens, amino-alpha-carbolines in grilled foods and cigarette smoke condensate. Matsumoto T, et al. **Cancer Lett** 1981 Mar;12(1–2):105–10
Clastogenicity of furans found in food. Stich HF, et al. **Cancer Lett** 1981 Jul;13(2):89–95
Pyrazines in foods: an update. Maga JA. **CRC Crit Rev Food Sci Nutr** 1982;16(1):1–48 (173 ref.)
Results of the chemical inspections of imported foods, utensils, container-packages and toys in Osaka branch from April in 1979 till March 1980. Ito Y, et al. **Eisei Shikenjo Hokoku** 1981;99:191–5
Dietary intake of cadmium in the United States: 1920–1975. Travis CC, et al. **Environ Res** 1982 Feb;27(1):1–9
A preliminary study on the aflatoxin content of selected Ethiopian foods. Besrat A, et al. **Ethiop Med J** 1981 Apr; 19(2):47–52
Lack of mutagens in deep-fat-fried foods obtained at the retail level. Taylor SL, et al. **Food Chem Toxicol** 1982 Apr; 20(2):209–12
Plasticizer migration from polyvinyl chloride film to solvents and foods. Till DE, et al. **Food Chem Toxicol** 1982 Feb; 20(1):95–104
Volatile nitrosamines in salt-preserved fish before and after cooking. Huang DP, et al. **Food Cosmet Toxicol** 1981 Apr; 19(2):167–71
Food choices for lowering sodium intake. Altschul AM, et al. **Hypertension** 1982 Sep–Oct;4(5 Pt 2):III116–20
Mutagenic heterocyclic amines in cooked food. Sugimura T, et al. **IARC Sci Publ** 1981;4(40):251–67
Behaviour of the different oxidation states of As, Sb, Se an Sn using dithiocarbamates for their separation from environmental, food and drug samples. Seltner HD, et al. **Int J Environ Anal Chem** 1981;10(1):7–12
A method for the routine determination of tocopherols in animal feed and human foodstuffs with the aid of high performance liquid chromatography. Manz U, et al. **Int J Vitam Nutr Res** 1981;51(4):342–8
Iodine in Finnish foods. Varo P, et al. **Int J Vitam Nutr Res** 1982;52(1):80–9
Natural occurring levels of dimethyl sulfoxide in selected fruits, vegetables, grains, and beverages. Pearson TW, et al. **J Agric Food Chem** 1981 Sep–Oct;29(5):1089–91
Gas-liquid chromatographic method for analysis of Di- and polyamines in foods. Yamamoto S, et al. **J Agric Food Chem** 1982 May–Jun;30(3):435–9
Amino acid content of low-protein recipes. Bell L, et al. **J Am Diet Assoc** 1982 Jun;80(6):579–80
Mineral contents of selected pre-prepared food sampled in a hospital food service line. Leung C, et al. **J Am Diet Assoc** 1982 Jun;80(6):530–6
Calculates vs. analyzed composition of four modified fat diets. Formulated to study effects in human subjects of kind and amount of dietary fat. Marshall MW, et al. **J Am Diet Assoc** 1982 Jun;80(6):537–49
Phytate content of foods: effect on dietary zinc bioavailability. Oberleas D, et al. **J Am Diet Assoc** 1981 Oct;79(4):433–6
Priorities assessment for studies of mutagen production in cooked foods. Plumlee C, et al. **J Am Diet Assoc** 1981 Oct;79(4):446–9
Application of the AOAC multi-residue method to determination of synthetic pyrethroid residues in celery and animal products. Braun HE, et al. **J Assoc Off Anal Chem** 1982 May;65(3):685–9
Radioisotope dilution technique for determination of vitamin B12 in foods. Casey PJ, et al. **J Assoc Off Anal Chem** 1982 Jan;65(1):85–8
Evaluation of ion exchange resins and various enzymes in thiamine analysis. Ellefson WC, et al.

J Assoc Off Anal Chem 1981 Nov;64(6):1336–8
Comparison of dietary fiber methods for foods. Heckman MM, et al. **J Assoc Off Anal Chem** 1981 Nov;64(6):1339–43
Improved 4-aminoantipyrine colorimetry for detection of residual hydrogen peroxide in noodles, fish paste, dried fish, and herring roe. Ito Y, et al.
J Assoc Off Anal Chem 1981 Nov;64(6):1448–52
Simultaneous detection of several Fusarium mycotoxins in cereals, grains, and foodstuffs. Kamimura H, et al.
J Assoc Off Anal Chem 1981 Sep;64(5):1067–73
Isolation, identification, and determination of food dyes following ion-pair extraction. Puttemans ML, et al.
J Assoc Off Anal Chem 1982 May;65(3):737–44
Rapid high performance liquid chromatographic determination of monosodium glutamate in food. Sporns P. **J Assoc Off Anal Chem** 1982 May;65(3):567–71
Colorimetric determination of patulin produced by Penicillium patulum. Subramanian T.
J Assoc Off Anal Chem 1982 Jan;65(1):5–7
Dry ashing, hydride generation atomic absorption spectrometric determination of arsenic and selenium in foods. Tam GK, et al. **J Assoc Off Anal Chem** 1982 May; 65(3):647–50
Analytical methods for foods in the next decade. Tanner JT. **J Assoc Off Anal Chem** 1982 May;65(3):531–4
Liquid chromatography of sugars on silica-based stationary phases. Verhaar LA, et al. **J Chromatogr** 1981 Dec 25; 220(3):313–28 (49 ref.)
Tannin content of foods commonly consumed in India and its influence on ionisable iron. Narasinga Rao BS, et al. **J Sci Food Agric** 1982 Jan;33(1):89–96
Some metabolic interrelationships among cadmium, lead, copper and zinc: results from a field survey in Cd-polluted areas in Japan. Part one: dietary intake of the heavy metals. Iwao S, et al. **Keio J Med** 1981 Jan;30(1):17–36
Values for folates in food [letter] Phillips DR, et al. **Lancet** 1982 Sep 11;2(8298):605
Sodium and potassium levels in Australian processed foods. Maples J, et al. **Med J Aust** 1982 Jul 10;2(1):20–2
Effect of processed foods on the salt intake of preschool children: a pilot study. Miles JM, et al. **Med J Aust** 1982 Jul 10;2(1):23–5
Nutrients components of truffles. Hussein MA, et al. **Nahrung** 1981;24(8):811–2
Implications of seasonal variations in aflatoxin B1 levels in Nigerian market foods. Okonkwo PO, et al. **Nutr Cancer** 1981;3(1):35–9
Regional difference in sodium chloride content in home-made and store-bought preparations of miso paste. Watanabe T, et al. **Tohoku J Exp Med** 1982 Jul; 137(3):305–13
Particle size distribution of hydrocyanic acid in gari, a cassava-based product. Maduagwu EN, et al. **Toxicol Lett** 1980 Dec;7(2):171–4
[Cyanide content in the juice of sour bamboo shoot (author's transl)] Chu JM, et al. **Chung Hua Yu Fang I Hsueh Tsa Chih** 1981 Jan;15(1):25–6 **(Chi)**
[K, Na, Ca and Mg contents in the diet of Nanjing workers (author's transl)] Zheng GJ, et al. **Chung Kuo Yao Li Hsueh Pao** 1982 Jun;3(2):142–4 (Eng. Abstr.) **(Chi)**
[Evaluation of the average lead and cadmium contents in the daily food supply in Belgium] Fouassin A, et al. **Arch Belg Med Soc** 1981 Jan;39(1):1–14 (Eng. Abstr.) **(Dut)**
[Mercury, cadmium and lead in canned fish] Noirfalise A, et al. **Arch Belg Med Soc** 1981 Mar;39(3):182–7 **(Fre)**
[Cadmium constant of food and human organs in one large city] Raffke W, et al. **Nahrung** 1981;24(8):797–802 (Eng. Abstr.) **(Ger)**
[Potassium and sodium content of hospital general diets--comparison of calculated and analytical values] Herzberger U, et al. **Z Ernahrungswiss** 1982 Jun;21(2):87–97 (Eng. Abstr.) **(Ger)**
[A simple method for the detection of staphylococcal enterotoxin type B in vanilla custard using the ELISA (author's transl)] Büning-Pfaue H, et al. **Z Lebensm Unters Forsch** 1981;173(5):351–5 (Eng. Abstr.) **(Ger)**
[Saturated hydrocarbons in foods. Method of analysis and values found in some foods for human use and in samples of unicellular organisms] Di Muccio A, et al. **Ann Ist Super Sanita** 1979;15(3):525–40 **(Ita)**
[Critical review of the methods available for determination of aromatic polycyclic hydrocarbons in dried yeasts, in the substrates used for the production of yeasts and in various food products] Di Muccio A, et al. **Ann Ist Super Sanita** 1979;15(3):503–23 (76 ref.) **(Ita)**
[Studies on determination of synthetic beta-carotene added to food (author's transl)] Kamikura M. **Eisei Shikenjo Hokoku** 1981;99:147–51 (Eng. Abstr.) **(Jpn)**
[Hygienic chemical studies on polyvinyl chloride (V). Migration of plasticizer from soft polyvinyl chloride used for food packaging (author's transl)] Tatsuno T, et al. **Eisei Shikenjo Hokoku** 1981;99:138–40 (Eng. Abstr.) **(Jpn)**
[Trace elements in 'health food' and in hospital diets] Salbu B, et al. **Tidsskr Nor Laegeforen** 1981 Jun 20; 101(17–18):1050–2 (Eng. Abstr.) **(Nor)**
[Nitrates and nitrites in food products, raw and subjected to preliminary handling and cooking] Szponar L, et al. **Rocz Panstw Zakl Hig** 1981;32(2):129–35 (Eng. Abstr.) **(Pol)**
[Sanitary control of food products in Romania] Załęska K. **Rocz Panstw Zakl Hig** 1981;32(1):87–91 **(Pol)**
[Natural sources of vitamin U and its retention in nutritional products] Bezzubov AA, et al. **Gig Sanit** 1981 Jun;(6):85–6 **(Rus)**
[Sodium and potassium content of various Chilean foods] Alvarez de Araya C, et al. **Arch Latinoam Nutr** 1981 Mar; 31(1):146–55 (Eng. Abstr.) **(Spa)**

ANALYSIS

Inhibition of N-nitrosamine formation by soya products. Kurechi T, et al. **Food Cosmet Toxicol** 1981 Aug; 19(4):425–8

INSTRUMENTATION

Ascorbate electrode for determination of L-ascorbic acid in food. Matsumoto K, et al. **Anal Chem** 1981 Nov; 53(13):1974–9

METHODS

Determination of riboflavin and flavin mononucleotide in foodstuffs using high-performance liquid chromatography and a column-enrichment technique. Lumley ID, et al. **Analyst** 1981 Oct;106(1267):1103–8
Liquid – liquid extraction combined with atomic-absorption spectrometry for determination of copper in water, foods and analytical reagents using 1,2-naphthoquinone thiosemicarbazone. Silva M, et al. **Analyst** 1982 May; 107(1274):511–8
Mass spectrometry in food analysis. Horman I. **Biomed Mass Spectrom** 1981 Sep;8(9):384–9
Identification of water-soluble colours in food using paper chromatography. Crosby NT. **IARC Sci Publ** 1981; 4(40):331–6
Extraction of water-soluble colours from food using polyamide columns. Crosby NT. **IARC Sci Publ** 1981; 4(40):341–7
Identification of water-soluble colours in food using thin-layer chromatography. Crosby NT. **IARC Sci Publ** 1981;4(40):337–40
Neutron activation analysis of total diet food composites for iodine. Allegrini M, et al. **J Assoc Off Anal Chem** 1981 Sep;64(5):1111–5
Atomic absorption spectrometric determination of tin in canned foods using nitric acid–hydrochloric acid digestion and nitrous oxide–acetylene flame. Dabeka RW, et al. **J Assoc Off Anal Chem** 1981 Nov;64(6):1297–300
Analytical methods for sulfonamides in foods and feeds. II. Performance characteristics of sulfonamide methods. Horwitz W. **J Assoc Off Anal Chem** 1981 Jul;64(4):814–24
Analytical methodology for sample preparation, detection, quantitation, and confirmation of N-nitrosamines in foods. Hotchkiss JH. **J Assoc Off Anal Chem** 1981 Sep; 64(5):1037–54 (183 ref.)
Determination of aflatoxin B1 in corn, wheat, and peanut butter by enzyme-linked immunosorbent assay and solid phase radioimmunoassay. El-Nakib O, et al. **J Assoc Off Anal Chem** 1981 Sep;64(5):1077–82
Volatile N-nitrosamines in dried foods. Sen NP, et al. **J Assoc Off Anal Chem** 1981 Sep;64(5):1238–42
Recent advances in analytical methods for the water-soluble vitamins. Sauberlich HE. **Prog Clin Biol Res** 1981;77:151–7
The estimation of available lysine foodstuffs after Maillard reactions. Hurrell RF, et al. **Prog Food Nutr Sci** 1981; 5(1–6):159–76 (63 ref.)
Identification of foreign matter in foods. Stasny JT, et al. **Scan Electron Microsc** 1981;(Pt 3):599–610
[Determination of zinc and lead in aqueous and model media simulating food products by thin-layer sorbent chromatography] Kataeva SE. **Gig Sanit** 1982 May;(5):60–1 **(Rus)**
[Determination of the iodine content in food products using the nitrite-rhodanide method] Proskuriakova GV, et al. **Vopr Pitan** 1982 Jan–Feb;(1):59–61 (Eng. Abstr.) **(Rus)**

STANDARDS

Evaluation of laboratory performance with aflatoxin methods by means of the AOCS Smalley Check Sample Program. McKinney JD. **J Assoc Off Anal Chem** 1981 Jul; 64(4):939–49

FOOD AND AGRICULTURAL ORGANIZATION, UNITED NATIONS see **UNITED NATIONS**

FOOD AND DRUG ADMINISTRATION (U.S.) see **UNITED STATES FOOD AND DRUG ADMINISTRATION**

FOOD, CANNED see **FOOD PRESERVATION**

FOOD COLORING AGENTS

see related
DYES

ADVERSE EFFECTS

Aspirin and food dye reactions. Condemi JJ. **Bull NY Acad Med** 1981 Sep;57(7):600–7
Sulfanilic acid: behavioral change related to azo food dyes in developing rats. Goldenring JR, et al. **Neurobehav Toxicol Teratol** 1982 Jan–Feb;4(1):43–9
[Allergic reactions to food additives (author's transl)] Girard JP. **Praxis** 1981 Oct 20;70(43):1891–2 **(Fre)**

ANALYSIS

Results of product examination of coal-tar dyes including dye aluminum lakes from April in 1979 till March in 1981 (on the product examination of coal-tar dyes XIX) Iwaida M, et al. **Eisei Shikenjo Hokoku** 1981;99:189–90
Identification of water-soluble colours in food using thin-layer chromatography. Crosby NT. **IARC Sci Publ** 1981;4(40):337–40
Identification of water-soluble colours in food using paper chromatography. Crosby NT. **IARC Sci Publ** 1981; 4(40):331–6
[Detection of a natural organic dye, cochineal, in meat products] Andrzejewska E. **Rocz Panstw Zakl Hig** 1981; 32(4):315–8 **(Pol)**

ISOLATION & PURIFICATION

Extraction of water-soluble colours from food using polyamide columns. Crosby NT. **IARC Sci Publ** 1981; 4(40):341–7
Isolation, identification, and determination of food dyes following ion-pair extraction. Puttemans ML, et al. **J Assoc Off Anal Chem** 1982 May;65(3):737–44

METABOLISM

In vitro studies on the biotransformation of metanil yellow. Srivastava LP, et al. **Environ Res** 1982 Feb;27(1):185–9
Intestinal absorption of two polymeric food dyes in man. Walson PD, et al. **Food Cosmet Toxicol** 1981 Dec; 19(6):687–90
Placental transfer and tissue localization of [14C]carmoisine in the pregnant rat. Galli CL, et al. **Toxicol Lett** 1982 Feb; 10(2–3):255–8

POISONING

[Group poisoning with lead of alimentary origin] Nanulescu M, et al. **Rev Pediatr Obstet Ginecol [Pediatr]** 1980 Oct–Dec;29(4):349–54 (Eng. Abstr.) **(Rum)**

TOXICITY

Absence of mutagenic activity and a short-term toxicity study of beet pigments as food colorants. von Elbe JH, et al. **Arch Toxicol** 1981 NOV;49(1):93–8
Comparative mutagenicity of two triarylmethane food dyes in Salmonella, Saccharomyces and Drosophila. Angus DS, et al. **Food Cosmet Toxicol** 1981 Aug;19(4):419–24
Food colours. Crosby NT. **IARC Sci Publ** 1981;4(40):311–20
Effects of caramel color (ammonia process) on mammalian vitamin B6 metabolism. Spector R, et al. **Toxicol Appl Pharmacol** 1982 Jan;62(1):172–8
[A study on teratogenicity of New Coccine, food red No. 102, in mice (author's transl)] Momma J, et al. **Eisei Shikenjo Hokoku** 1981;99:73–8 **(Jpn)**

FOOD CONTAMINATION

Comparison of the streak-plate and pour-plate techniques for determination of coliform counts of mild samples using crystal violet-neutral red-lactose-bile (VRBL) medium. Szita G, et al. **Acta Vet Acad Sci Hung** 1981;29(1):13–6
Comparative evaluation of methods used for aerobic mesophile count determination. Szita G, et al. **Acta Vet Acad Sci Hung** 1981;29(1):1–6
Comparison of KS and BLB media for enumeration of coliform organisms in milk. Szita G, et al. **Acta Vet Acad Sci Hung** 1981;29(1):7–12
Measurement of iron absorption from meals contaminated with iron. Hallberg L, et al. **Am J Clin Nutr** 1981 Dec; 34(12):2808–15
A toluidine blue stain mountant for the microscopy of comminuted meat products. Flint FO, et al. **Analyst** 1981 Nov;106(1268):1242–3
Integrated process for ammonia inactivation of aflatoxin-contaminated corn and ethanol fermentation. Bothast RJ, et al. **Appl Environ Microbiol** 1982 Apr; 43(4):961–3
Occurrence of aflatoxins in oilseeds providing cocoa-butter substitutes. Kershaw SJ. **Appl Environ Microbiol** 1982 May; 43(5):1210–2
Effects of ingested petroleum on plasma levels of ovarian steroid hormones in photostimulated mallard ducks. Cavanaugh KP, et al. **Arch Environ Contam Toxicol** 1982; 11(4):503–8
Suppression of adrenocortical activity in mallard ducks exposed to petroleum-contaminated food. Gorsuch J, et al. **Arch Environ Contam Toxicol** 1982;11(4):497–502
Accumulation of 14C-Naphthalene in the tissues of redhead ducks fed oil-contaminated crayfish. Tarshis IB, et al. **Arch Environ Contam Toxicol** 1982;11(2):155–9
Salmonella in mechanically deboned meat [letter] Smeltzer T, et al. **Aust Vet J** 1981 Sep;57(9):433–4
Transfer of salmonellae to meat and offal by knives [letter] Smeltzer T, et al. **Aust Vet J** 1981 Sep;57(9):433
Adrenocortical function and hepatic naphthalene metabolism

in mallard ducks (Anas platyrhynchos) consuming petroleum distillates. Gorsline J, et al. **Environ Res** 1982 Jun;28(1):139–46

Aflatoxin distribution and total microbial counts in an edible oil extracting plant. I. Preliminary observations. Abalaka JA, et al. **Food Chem Toxicol** 1982 Feb;20(1):43–6

Plasticizer migration from polyvinyl chloride film to solvents and foods. Till DE, et al. **Food Chem Toxicol** 1982 Feb; 20(1):95–104

Long-term effects of feeding aflatoxin–contaminated market peanut oil to Sprague–Dawley rats. Fong LY, et al. **Food Cosmet Toxicol** 1981 Apr;19(2):179–83

Withdrawal time required for clearance of aflatoxins from pig tissues. Furtado RM, et al. **J Agric Food Chem** 1982 Jan–Feb;30(1):101–6

Effect of hybrids with different levels of susceptibility to second–generation European corn borers on aflatoxin contamination in corn. Guthrie WD, et al. **J Agric Food Chem** 1981 Nov–Dec;29(6):1170–2

Screening procedure for uric acid as indicator of infestation in spices. Brown SM, et al. **J Assoc Off Anal Chem** 1982 Mar;65(2):270–2

Distinguishing common food–contaminating bat hairs from certain feather barbules. Olsen AR. **J Assoc Off Anal Chem** 1981 Jul;64(4):786–91

Bacterial contamination of warm carcase surfaces: the relation of total aerobic and coliform counts to the recovery of Escherichia coli I. McCulloch B, et al. **J S Afr Vet Assoc** 1981 Jun;52(2):119–22

Long–term effects of acute arsenical poisoning. Renwick JH, et al. **J Soc Occup Med** 1981 Oct;31(4):144–7

Nitrite poisoning caused by food contaminated with cooling fluid. Ten Brink WA, et al. **J Toxicol Clin Toxicol** 1982 Apr;19(2):139–47

Analyses of some mite antigens found in house dust and in food material. Yago A, et al. **Jpn J Exp Med** 1980 Dec; 50(6):407–14

Some metabolic interrelationships among cadmium, lead, copper and zinc: results from a field survey in Cd–polluted areas in Japan. Part one: dietary intake of the heavy metals. Iwao S, et al. **Keio J Med** 1981 Jan;30(1):17–36

Coliform test for cheese and other foods [letter] Mossel DA. **Lancet** 1981 Dec 19–26;2(8260–61):1425

Toxic–allergic syndrome caused by ingestion of rapeseed oil denatured with aniline. Tabuenca JM. **Lancet** 1981 Sep 12; 2(8246):567–8

Outbreak of food–borne hepatitis A—New Jersey. **MMWR** 1982 Apr 2;31(12):150–2

PCBs in rice oil [letter] Chang WY. **Nature** 1982 Mar 18; 296(5854):192

Mercury in takeaway fish in New Zealand. Mitchell JW, et al. **NZ Med J** 1982 Feb 24;95(702):112–4

Aflatoxin incidence in feeds, toxicology and possible residue hazards in foods. Edds GT, et al. **Proc Annu Meet US Anim Health Assoc** 1980;84:301–9

Identification of foreign matter in foods. Stasny JT, et al. **Scan Electron Microsc** 1981;(Pt 3):599–610

Washington set to act on heptachlor in milk [news] Smith RJ. **Science** 1982 Sep 3;217(4563):912–3

Hawaiian milk contamination creates alarm. A sour response by state regulators [news] Smith RJ. **Science** 1982 Jul 9; 217(4555):137–40

Hawaiian milk problems stir little action [news] Smith RJ. **Science** 1982 Aug 13;217(4560):612–3

Spanish adulterated oil matter. An important discovery by Spanish toxicologists: the toxicity of anilides of unsaturated fatty acids. Fournier E, et al. **Toxicol Eur Res** 1982 Mar; 4(2):107–12

Simulation of methylmercury toxicity resulting from the consumption of Mediterranean red tuna fish. Magnaval R, et al. **Toxicol Lett** 1982 Feb;10(2–3):233–7

Effect of consumption of milk from goats fed Senecio jacobaea on hepatic drug metabolizing enzyme activities in rats. Miranda CL, et al. **Toxicol Lett** 1981 Aug;8(6):343–7

Contamination of weaning foods and transmission of enterotoxigenic Escherichia coli diarrhoea in children in rural Bangladesh. Black RE, et al. **Trans R Soc Trop Med Hyg** 1982;76(2):259–64

Survey of abattoir data in southern Nigeria. Antia RE, et al. **Trop Anim Health Prod** 1982 May;14(2):119–20

Examination of Mexican vanilla extracts for coumarin adulteration, part III – quantitative determination of coumarin. Sullivan G. **Vet Hum Toxicol** 1981 Aug; 23(4):249–51

[Four instances of food poisoning caused by moldy glutinous maizes (author's transl)] **Chung Hua Yu Fang I Hsueh Tsa Chih** 1981 Jul;15(4):240–2 **(Chi)**

[Studies on the assessment of rice pollution (author's transl)] Chen DC. **Chung Hua Yu Fang I Hsueh Tsa Chih** 1982 Mar;16(2):73–6 (Eng. Abstr.) **(Chi)**

[Investigation on contamination of vegetables by cadmium in the Mayibang District (author's transl)] Zhou QS. **Chung Hua Yu Fang I Hsueh Tsa Chih** 1981 Nov; 15(6):363–5 **(Chi)**

[Epidemiological study of PCB poisoning (author's transl)] Ko YC, et al. **Taiwan I Hsueh Hui Tsa Chih** 1981 Apr; 80(4):406–17 (Eng. Abstr.) **(Chi)**

[Clinical picture of tularemia contracted through the alimentary tract in older age individuals (author's transl)] Černý Z, et al. **Cas Lek Cesk** 1982 Feb 12;121(6):170–5 (Eng. Abstr.) **(Cze)**

[Campylobacter enterocolitis following consumption of chicken] Holl H, et al. **Ned Tijdschr Geneeskd** 1982 May 22;126(21):949–51 (Eng. Abstr.) **(Dut)**

[Importance of the contamination of food by mycotoxins and its control] Jacquet J, et al. **Bull Acad Natl Med (Paris)** 1981 Mar;165(3):359–64 (Eng. Abstr.) **(Fre)**

[Allergenic residues of veterinary drugs in food (author's transl)] Burgat–Sacaze V. **Toxicol Eur Res** 1982 Jan; 4(1):19–23 (Eng. Abstr.) **(Fre)**

[Effects of the contamination by polychlorobiphenyls (PCBs) on the growth of the Ehrlich tumor in mice (author's transl)] Keck G. **Toxicol Eur Res** 1981 Sep;3(5):229–36 (Eng. Abstr.) **(Fre)**

[Environmentally induced contamination of foods by carcinogenic hydrocarbons in the GDR and the Hungarian People's Republic] Fritz W, et al. **Nahrung** 1981; 25(10):905–13 (Eng. Abstr.) **(Ger)**

[Human exposure to environmental chemicals – investigations on volatile organic halogenated compounds in water, air, food, and human tissues. III. Communication: results of investigations (author's transl)] Bauer U. **Zentralbl Bakteriol Mikrobiol Hyg [B]** 1981 Dec; 174(3):200–37 **(Ger)**

[Human exposure to environmental chemicals – investigations on volatile organic halogenated compounds in water, air, food, and human tissues. IV. Communication: calculation of human exposure to organic halogenated compounds from the environment (author's transl)] Bauer U. **Zentralbl Bakteriol Mikrobiol Hyg [B]** 1981 Dec; 174(6):556–83 **(Ger)**

[Aflatoxin in food of animal and plant origin] Horváth E, et al. **Orv Hetil** 1982 May 16;123(20):1235–9 **(Hun)**

[Studies on relationship between Staphylococcus aureus inhabiting human and staphylococcal food poisoning. 3. The outbreaks of food poisoning due to rice ball contaminated with staphylococci inhabiting human (author's transl)] Goto K. **Kansenshogaku Zasshi** 1981 Nov; 55(11):812–8 (Eng. Abstr.) **(Jpn)**

[Campylobacter fetus subsp. jejuni as a surface contaminant of fresh and chilled pig carcasses (author's transl)] Rosef O. **Nord Vet Med** 1981 Dec;33(12):335–8 (Eng. Abstr.) **(Nor)**

[Degree of contamination of poppy seeds and spices by warehouse pests] Legat T. **Rocz Panstw Zakl Hig** 1981; 32(3):237–40 (Eng. Abstr.) **(Pol)**

[Transmission of Giardia cysts. II. Fruits and vegetables as a source of invasion] Kasprzak W, et al. **Wiad Parazytol** 1981;27(4–5):565–71 (Eng. Abstr.) **(Pol)**

[Enterotoxigenic Staphylococcus aureus in creamy pastries sold in bakeries and pastry shops in the municipality of São Paulo, Brazil] Iaria ST. **Rev Saude Publica** 1981 Jun; 15(3):321–37 (Eng. Abstr.) **(Por)**

[Methodological approaches to setting the maximum permissible load of nitrites and nitrates taken in with water and food] Krasovskiĭ GN, et al. **Gig Sanit** 1982 Apr;(4):23–4 (Eng. Abstr.) **(Rus)**

[Data on establishing the maximum permissible levels for the fenuron content of forest vegetable food products] Motuzinskiĭ NF, et al. **Gig Sanit** 1982 Mar;(3):82–4 **(Rus)**

[Hygienic standard for the allowable content of Dosanex in food products and reservoir waters] Sakhkalian EO. **Gig Sanit** 1982 Feb;(2):13–5 (Eng. Abstr.) **(Rus)**

[Mycotoxin formation during the storage of unprocessed freshly harvested corn] L'vova LS, et al. **Prikl Biokhim Mikrobiol** 1981 Sep–Oct;17(5):766–72 (Eng. Abstr.) **(Rus)**

[Mutagenic action of foreign substances contained in food products] Maganova NB. **Vopr Pitan** 1982 Mar–Apr;(2):3–8 (82 ref.) **(Rus)**

[Role of nutritional factors in biological effect of xenobiotics] Sharmanov TSh. **Vopr Pitan** 1981 Sep–Oct;(5):51–7 (Eng. Abstr.) **(Rus)**

[Changes in the concentration of components of corn grain infested with Prostephanus truncatus Horn, Sitophilus zeamais Mots, or Sitotroga cerealella Oliver] Adem E, et al. **Arch Latinoam Nutr** 1981 Jun;31(2):270–86 (Eng. Abstr.) **(Spa)**

[Clostridium perfringens in meat products in Chile: contamination level and enteric toxicity (author's transl)] Marambio E, et al. **Rev Med Chil** 1981 Aug;109(8):717–9 (Eng. Abstr.) **(Spa)**

[Inactivation of Cysticercus cellulosae in pork by freezing (author' s transl)] Plaza J, et al. **Rev Med Chil** 1981 Apr; 109(4):312–7 (Eng. Abstr.) **(Spa)**

[Campylobacter epidemiology – 3 epidemics caused by food contamination] Billgren M, et al. **Lakartidningen** 1982 Apr 28;79(17):1676–7 **(Swe)**

ANALYSIS

Determination of residues of dithiocarbamate pesticides in foodstuffs by a headspace method. Report by the Panel on Determination of Dithiocarbamate Residues. **Analyst** 1981 Jul;106(1264):782–7

Persistence of carbaryl residues in and on unprocessed and processed cauliflower curds. Yadav PR, et al. **Beitr Trop Landwirtsch Veterinarmed** 1982;20(1):89–95

GC–MS identification and analytical behavior of pirimiphos–methyl in imported foods. Barry TL, et al. **Bull Environ Contam Toxicol** 1981 Oct;27(4):524–8

Mutagens, carcinogens, and tumor promoters in our daily food. Sugimura T. **Cancer** 1982 May 15;49(10):1970–84

Contaminant iron in foods and its bioavailability predicted by in vitro methods. Prabhavathi T, et al. **Indian J Med Res** 1981 Jul;74:37–41

Chemical form and distribution of mercury and selenium in edible seafood. Cappon CJ, et al. **J Anal Toxicol** 1982 Jan–Feb;6(1):10–21

Improved radioimmunoassay of Staphylococcal enterotoxin a. Dickie N, et al. **J Assoc Off Anal Chem** 1982 Jan; 65(1):180–4

Determination of internal insect infestation of wheat: collaborative study. Trauba RL, et al. **J Assoc Off Anal Chem** 1981 Nov;64(6):1408–10

Determination of patulin and penicillic acid in unroasted cocoa beans. Chaytor JP, et al. **J Chromatogr** 1981 Sep 18;214(1):135–9

Analysis of ethylenethiourea in beer by high–performance liquid chromatography. Massey RC, et al. **J Chromatogr** 1982 May 7;240(1):254–6

A multiresidue approach to the identification of food packaging–derived volatiles in foods and containers. Hollifield HC, et al. **J Chromatogr Sci** 1981 Oct; 19(10):514–7

A rapid, colorimetric, procedure for determination of fenitrothion. Desmarchelier JM. **J Environ Sci Health [B]** 1981;B16(4):419–26

Gas–liquid chromatographic studies on residues of endosulfan on chilli fruits. Pokharkar DS, et al. **J Environ Sci Health [B]** 1981;B16(4):439–51

A modification of imazalil residue analysis in treated grapefruit. Stein ER, et al. **J Environ Sci Health [B]** 1981; B16(4):427–37

Ingestion and retention of mercury by sheep grazing near a chlor–alkali plant. Edwards PR, et al. **J Sci Food Agric** 1982 Mar;33(3):237–43

Inorganic and organic arsenic in some commercial East Australian crustacea. Flanjak J. **J Sci Food Agric** 1982 Jun; 33(6):579–83

Tainting of pork meat by 1,4–dichlorobenzene. Watson A, et al. **J Sci Food Agric** 1982 Jan;33(1):103–5

A critical review of biological methods for the detection of fungal toxins in foods and foodstuffs. Watson DH, et al. **J Sci Food Agric** 1982 Jan;33(1):59–67 (78 ref.)

Some metabolic interrelationships among cadmium, lead, copper and zinc: results from a field survey in CD–polluted areas in Japan. Part four: heavy metal ratios and correlations. Iwao S, et al. **Keio J Med** 1981 Sep; 30(3):115–24

Silica fragments from millet bran in mucosa surrounding oesophageal tumours in patients in northern China. O'Neill C, et al. **Lancet** 1982 May 29;1(8283):1202–6

Mycotoxins in cereal grain. Part II. The fate of ochratoxin A after processing of wheat and barley grain. Chelkowski J, et al. **Nahrung** 1981;25(5):423–6

Mycotoxins in cereal grain. Part I. Ochratoxin, citrinin, sterigmatocystin, penicillic acid and toxigenic fungi in cereal grain. Szebiotko K, et al. **Nahrung** 1981;25(5):415–21

Carcinogens occurring naturally in food. Hilker DM. **Nutr Cancer** 1981;2(4):217–23 (59 ref.)

Pesticide, metal, and other chemical residues in adult total diet samples—(XII)—August 1975–July 1976. Johnson RD, et al. **Pestic Monit J** 1981 Jun;15(1):54–69

Pesticide, heavy metal, and other chemical residues in infant and toddler total diet samples—(II)—August 1975–July 1976. Johnson RD, et al. **Pestic Monit J** 1981 Jun; 15(1):39–50

Mycotoxins in food – the application of survey and quality control. Jewers K. **R Soc Health J** 1982 Jun;102(3):114–8

Analysis of residues of seven pesticides in some fruits and vegetables by means of high pressure liquid chromatography. Funch FH. **Z Lebensm Unters Forsch** 1981;173(2):95–8

[Mercury and arsenic contents of marine product in the market of Guangzhou City (author's transl)] Ma YQ. **Chung Hua Yu Fang I Hsueh Tsa Chih** 1981 Nov; 15(6):366–7 **(Chi)**

[Residues of dichlorvos (DDVP) in sausages and bacon following placement of Mutox strips in sales rooms of butchers' shops] Wirthgen B, et al. **Nahrung** 1981; 25(8):789–93 (Eng. Abstr.) **(Ger)**

[Lead intake with food of young infants in the years 1980/81 (author's transl)] Haschke F, et al. **Wien Klin Wochenschr** 1981 Oct 16;93(19):613–6 (Eng. Abstr.) **(Ger)**

[Occurrence of filth in food (author's transl)] Kiermeier F. **Z Lebensm Unters Forsch** 1981;173(2):121–26 (Eng. Abstr.) **(Ger)**

[Analysis of colour–retaining powder, fluorescent dyes illegally added to imported food (author's transl)] Ito Y, et al. **Eisei Shikenjo Hokoku** 1981;99:66–8 (Eng. Abstr.) **(Jpn)**

[Histamine content in fishes and fish products] Ganowiak Z, et al. **Rocz Panstw Zakl Hig** 1981;32(3):217–21 (Eng. Abstr.) **(Pol)**

[Detection of tylosin residues in milk] Karkocha I. **Rocz Panstw Zakl Hig** 1981;32(4):319–21 (Eng. Abstr.) **(Pol)**

[Determination of the mercury content in wheat bran] Ludwicki J. **Rocz Panstw Zakl Hig** 1981;32(4):309–13 (Eng. Abstr.) **(Pol)**

[Hygienic evaluation of rubber elements of the apparatus used in food–processing industry] Mazur H, et al.

Rocz Panstw Zakl Hig 1981;32(2):97–100 (Eng. Abstr.) (Pol)

[Detection of oleandomycin in meat] Rutczyńska–Skonieczna EM. Rocz Panstw Zakl Hig 1981;32(2):117–21 (Eng. Abstr.) (Pol)

[Determination of ampicillin in milk] Rybińska K. Rocz Panstw Zakl Hig 1981;32(2):113–5 (Eng. Abstr.) (Pol)

[Nitrates and nitrites in food products, raw and subjected to preliminary handling and cooking] Szponar L, et al. Rocz Panstw Zakl Hig 1981;32(2):129–35 (Eng. Abstr.) (Pol)

[Effect of substitution level of textured milk proteins in meat products on the degree of microbial contamination] Szydłowski A, et al. Rocz Panstw Zakl Hig 1981; 32(2):153–61 (Eng. Abstr.) (Pol)

[Concentration of N–nitrosoproline in food products] Lettner AKh, et al. Vopr Pitan 1982 May–Jun;(3):64 (Rus)

[Comparative studies of the contamination of vegetable food products by carcinogenic polycyclic aromatic hydrocarbons in the USSR and East Germany] Shabad LM, et al. Vopr Pitan 1982 Jan–Feb;(1):56–9 (Eng. Abstr.) (Rus)

[Criteria for distinguishing sugar–adulterated honey from the natural] Zagaevskiĭ IS, et al. Vopr Pitan 1982 Jan–Feb; (1):63–5 (Eng. Abstr.) (Rus)

[Direct determination of staphylococcal enterotoxin type A in food] Kalember–Radosavljević M. Vojnosanit Pregl 1982 Mar–Apr;39(2):84–7 (Scr)

[Epidemiology of gastric cancer in Chile (author's transl)] Armijo R, et al. Rev Med Chil 1981 Jun;109(6):551–6 (Eng. Abstr.) (Spa)

ECONOMICS

Dealing with economic consequences of chemical contamination. Robens JF. Proc Annu Meet US Anim Health Assoc 1980;84:273–82

PREVENTION & CONTROL

Bound residues of veterinary drugs: bioavailability and toxicological implications. Burgat–Sacaze V, et al. Ann Rech Vet 1981;12(3):277–89

Thermal inactivation of eight Salmonella serotypes on dry corn flour. VanCauwenberge JE, et al. Appl Environ Microbiol 1981 Oct;42(4):688–91

Food: a priority for consumer protection in Asia and the Pacific Region. Malik RK. Food Nutr (Roma) 1981; 7(2):18–23

Detoxification of aflatoxin contaminated corn by methanol extraction. Stahr HM, et al. Vet Hum Toxicol 1982 Feb; 24(1):16–7

[Residues in products of animal origin (author's transl)] Ruiter A. Tijdschr Diergeneeskd 1982 Feb 1;107(3):85–92 (Eng. Abstr.) (Dut)

[Properties of Shigellae relevant to food hygiene] Fehlhaber K. Arch Exp Veterinarmed 1981;35(6):955–64 (Eng. Abstr.) (Ger)

[Comparative studies on the quantitative and qualitative optimization of germ reduction by irradiation, with due regard to the nutritive value of the treated feed ration] Wirth H. Berl Munch Tierarztl Wochenschr 1981 Dec 15; 94(24):488–92 (Eng. Abstr.) (Ger)

[Disintegration and elimination of 32P–naled in milk] Dedek W, et al. Nahrung 1981;24(8):767–72 (Eng. Abstr.) (Ger)

[Microbiology as basis of communicable disease control and food hygiene] Hess E. Schweiz Arch Tierheilkd 1981 Oct; 123(10):499–506 (Ger)

FOOD CONTAMINATION, RADIOACTIVE

The ingestion of plutonium and americium by range cattle. Blincoe C, et al. Health Phys 1981 Aug;41(2):285–91

Terrestrial pathways of radionuclide particulates. Boone FW, et al. Health Phys 1981 Nov;41(5):735–47

A two–compartment model for transport of 131I via the pasture–cow–milk pathway. Shaeffer DL. Health Phys 1981 Jul;41(1):155–64

Tritium incorporation in rats chronically exposed to tritiated food or tritiated water for three successive generations. Pietrzak–Flis Z, et al. J Radiat Res (Tokyo) 1981 Dec; 22(4):434–42

ANALYSIS

Curium uptake by crops from naturally–weathered contaminated soil. Adriano DC, et al. Health Phys 1981 Jul;41(1):69–75

239/240Pu, 137Cs, 90Sr, and 40K in different types of honey. Bunzl K, et al. Health Phys 1981 Sep;41(3):554–8

Decrease of radionuclides in Columbia river biota following closure of Hanford reactors. Cushing CE, et al. Health Phys 1981 Jul;41(1):59–67

Accumulation of tritium in aquatic organisms through a food chain with three trophic levels. Komatsu K, et al. J Radiat Res (Tokyo) 1981 Jun;22(2):226–41

226Ra and 210Pb concentrations in foodstuffs. Kametani K, et al. Radioisotopes 1981 Dec;30(12):681–3

[Caesium 137 in meat from reindeer and grouse from Svalbard 1980 (author's transl)] Kjos–Hanssen B, et al. Nord Vet Med 1981 Jun–Aug;33(6–8):371–3 (Eng. Abstr.) (Nor)

[Passage of natural radionuclides along the chain of soil–feed–sheep organs and tissues in a desert area] Mordberg EL, et al. Gig Sanit 1981 Nov;(11):78–9 (Rus)

[Artificial radionuclide content in the atmosphere and in food products in Moscow 1977–1979] Zykova AS, et al. Gig Sanit 1981 Nov;(11):60–1 (Rus)

FOOD DEPRIVATION

The role of anticipated deprivation in overeating. Lowe MG. Addict Behav 1982;7(2):103–12

Effects of nutritional status on autonomic nervous system function. Landsberg L, et al. Am J Clin Nutr 1982 May; 35(5 Suppl):1234–40

The effect of dietary restriction, adrenaline, hydrocortisone and surgery on the rates of death of 125IUdR–labelled, intravenously injected tumour cells in the lungs of mice. Bishop CJ, et al. Aust J Exp Biol Med Sci 1982 Feb;60(Pt 1):55–71

Modulation of drug metabolism by food restriction in male rats. Sachan DS. Biochem Biophys Res Commun 1982 Feb 11;104(3):984–9

The effect of preweaning undernutrition upon the sexual development of male mice. Jean–Faucher C, et al. Biol Neonate 1982;41(1–2):45–51

Altered acetaminophen disposition in fed and food–deprived rats after acute ethanol administration. Minnigh MB, et al. Drug Metab Dispos 1982 Mar–Apr;10(2):183–8

Influence of weaning–initiated dietary restriction on responses to T cell mitogens and on splenic T cell levels in a long–lived F1–hybrid mouse strain. Weindruch RH, et al. Exp Gerontol 1982;17(1):49–64

Hunger versus hoarding and body weight in rats. Borker AS, et al. Indian J Physiol Pharmacol 1981 Oct–Dec; 25(4):365–8

Electrophysiological correlates of rapid escape reflexes in intact earthworms, Eisenia foetida. II. Effects of food deprivation on the functional development of giant nerve fibers. Vining EP, et al. J Neurobiol 1982 Jul;13(4):355–67

Mild zinc deficiency and undernutrition during the prenatal and postnatal periods in rats: effects on weight, food consumption, and brain catecholamine concentrations. Halas ES, et al. J Nutr 1982 Mar;112(3):542–51

The effects of food deprivation and satiation on oral pentobarbital self–administration in rhesus monkeys. Kliner DJ, et al. Pharmacol Biochem Behav 1982 Apr;16(4):579–84

Drug and food–deprivation modulation of activity in rats given chronic dietary lead: significance of type of activity measure. Yamamoto BK, et al. Pharmacol Biochem Behav 1981 Sep;15(3):505–12

Ingestive behaviors of rats with electrolytic median raphe lesions maintained on a food deprivation schedule. Asin KE, et al. Physiol Behav 1982 Jan;28(1):89–93

Feeding pattern in Peromyscus maniculatus: the response to periodic food deprivation. Jaeger MM. Physiol Behav 1982 Jan;28(1):83–8

Effects of short–term nocturnal and diurnal food deprivation on subsequent feeding in intact and VMH lesioned rats: relation to blood glucose level. Larue–Achagiotis C, et al. Physiol Behav 1982 Feb;28(2):245–8

Effect of feed and water deprivation on organ and blood characteristics of young turkeys. Augustine PC. Poult Sci 1982 Apr;61(4):796–9

Bombesin–like immunoreactivity in rat brain and gastrointestinal tract: influence of diet and starvation. Soveny C, et al. Regul Pept 1982 Mar;3(3–4):325–31

Changes in certain metabolic parameters in horses associated with food deprivation and endurance exercise. Rose RJ, et al. Res Vet Sci 1982 Mar;32(2):198–202

Dietary deprivation induces fetal loss and abortion in rabbits. Matsuzawa T, et al. Toxicology 1981;22(3):255–9

[Chronic aflatoxin intoxication. I. Effect of food deprivation and chronic aflatoxin intoxication on albino rats] Krustev L, et al. Eksp Med Morfol 1982;21(1):18–24 (Bul)

PHYSIOLOGY

Starvation suppresses sympathoadrenal medullary response to cold exposure in rats. Avakian EV, et al. Am J Physiol 1981 Oct;241(4):E316–20

Urinary production in the healthy horse and in horses deprived of feed and water. Rumbaugh GE, et al. Am J Vet Res 1982 Apr;43(4):735–7

Control of gluconeogenesis in the lactating sheep. Gow CB, et al. Aust J Biol Sci 1981;34(4):469–78

Concurrent occurrence of elevated ketone body and depressed carnitine level in underfed guinea–pigs. Sandor A, et al. Experientia 1981;37(9):933–4

Effect of food deprivation on rat gastric somatostatin and gastrin release. Koop H, et al. Gastroenterology 1982 May; 82(5 Pt 1):871–6

Effect of gonadotrophin releasing hormone in underfed immature rats. Dhoble RL, et al. Indian J Physiol Pharmacol 1981 Oct–Dec;25(4):374–8

Effect of 24–hour food–and–water deprivation on biochemical variables in blood. Horne T, et al. Isr J Med Sci 1982 May;18(5):591–5

Growth, puberty and reproduction in gilts born to dams deprived of nutrients during pregnancy. Hard DL, et al. J Anim Sci 1982 Jun;54(6):1227–34

Effect of maternal dietary restriction on fetal growth and placental transfer of alpha–amino isobutyric acid in rats. Ahokas RA, et al. J Nutr 1981 Dec;111(12):2052–8

Effects of obesity, food restriction and pregnancy on fetal and maternal weight and on body composition in rats. Lederman SA, et al. J Nutr 1981 Dec;111(12):2162–71

Effects of early overnutrition and undernutrition in rats on the metabolic responses to overnutrition in later life. Rothwell NJ, et al. J Nutr 1982 Mar;112(3):426–35

Fat accumulation in the rat heart during fasting. Adams MG, et al. J Pathol 1981 Oct;135(2):111–26

Sensitization produced by repeated administration of naloxone is blocked by food deprivation. Snell D, et al. J Pharmacol Exp Ther 1982 May;221(2):444–52

Effects of controlled dietary restriction on brain–reactive antibodies in sera of aging mice. Nandy K. Mech Ageing Dev 1982 Feb;18(2):97–102

Modulation of age–related loss of glucagon–promoted lipolysis by food restriction. Voss KH, et al. Mech Ageing Dev 1982 Feb;18(2):135–49

A comparison of the effects of infection with Eimeria maxima and dietary restriction on weight gain, plasma metabolites and liver glycogen in the immature fowl, Gallus domesticus. Chapman HD, et al. Parasitology 1982 Apr; 84(Pt 2):205–13

Food deprivation and cocaine self–administration. de la Garza R, et al. Pharmacol Biochem Behav 1981 Jul; 15(1):141–4

Blood glucose and body temperature alterations induced by ethanol in rats submitted to different levels of food deprivation. Oliveira de Souza ML, et al. Pharmacol Biochem Behav 1981 Oct;15(4):551–4

Influence of repeated deprivation upon starvation–induced hypovolemia and plasma aldosterone concentration in rats. Wright JW, et al. Pharmacol Biochem Behav 1982 May; 16(5):697–9

Effect of short–term food deprivation and prolactin upon mild yield in the lactating rabbit. Mena F, et al. Physiol Behav 1981 Sep;27(3):529–32

Effect of feed or water restriction on basal and TRH–stimulated growth hormone secretion in the growing turkey poult. Proudman JA, et al. Poult Sci 1981 Mar; 60(3):659–67

Fluid and electrolyte excretion in sheep: comparison of the effect of reduced food and water intake with oestrus. Michell AR. Q J Exp Physiol 1981 Oct;66(4):515–24

[Circadian rhythms of plasma renin activity and the plasma concentration of aldosterone and insulin in the rat: effect of renal denervation and food restriction] Ikonomov O, et al. Agressologie 1981;22(6):247–53 (Eng. Abstr.) (Fre)

[Adaptation of lipogenic enzymes of liver and adipose tissue to starvation and refeeding (author's transl)] Richter V, et al. ZFA (Dresden) 1981;36(5):365–71 (Eng. Abstr.) (Ger)

[Activity of acetylcholinesterase in hypothalamic nuclei and in the cerebral cortex during changes of the dietary regimen] Gasanov GG, et al. Biull Eksp Biol Med 1982 Feb;93(2):61–3 (Rus)

[Comparative characteristics of the antihypoxic effectiveness of human pressure–chamber training and nutritional starvation] Katkov AIu, et al. Kosm Biol Aviakosm Med 1981 Nov–Dec;15(6):84–6 (Rus)

[Effect of 15–day fasting on the tolerance of humans to breathing of pure nitrogen] Katkov AIu, et al. Patol Fiziol Eksp Ter 1981 Jul–Aug;(4):66–8 (Rus)

[Increased resistance to hypoxia after prolonged fasting] Zinov'ev IuV, et al. Patol Fiziol Eksp Ter 1981 Jul–Aug; (4):63–5 (Eng. Abstr.) (Rus)

FOOD DISPENSERS, AUTOMATIC see under **FOOD SERVICES**

FOOD, DRIED see **FOOD PRESERVATION**

FOOD, DRUG AND COSMETIC ACT see **LEGISLATION, DRUG**

FOOD FADS see **DIET FADS**

FOOD, FORMULATED

A double–blind controlled trial of elemental diet in severe, perennial asthma. Høj L, et al. Allergy 1981 May; 36(4):257–62

Effects of osmolality of liquid nutrient diets on plasma equilibration of water and carbohydrate in Yucatan miniature swine. Case GL, et al. Am J Clin Nutr 1981 Sep; 34(9):1861–7

Effects of osmolality of liquid nutrient diets on meal passage and nutrient absorption in Yucatan miniature swine. Case GL, et al. Am J Clin Nutr 1981 Sep;34(9):1868–78

Early postoperative jejunal feeding of elemental diet in gastrointestinal surgery. Ryan JA Jr, et al. Am Surg 1981 Sep;47(9):393–403

Use of a chemically defined hypoallergenic diet (Vivonex in the management of patients with suspected food allergy/intolerance. Dockhorn RJ, et al. Ann Allergy 1981 Oct;47(4):264–6

Effect of postoperative nutrition on muscle high energy phosphates. Liaw KY, et al. Ann Surg 1982 Jan;195(1):12–8

Rapid improvement of dermatitis herpetiformis after elemental diet. van der Meer JB, et al. Arch Dermatol Res 1981;271(4):455–9

Enteral feeds and delivery systems. Brown J.
Br J Hosp Med 1981 Aug;26(2):168, 171–5
'Home brew' compared with commercial preparation for enteral feeding [letter] **Br Med J [Clin Res]** 1982 Mar 6; 284(6317):741
'Home brew' compared with commercial preparation for enteral feeding. **Br Med J [Clin Res]** 1982 Mar 27; 284(6320):981–2
'Home brew' compared with commercial preparation for enteral feeding. Keighley MR, et al.
Br Med J [Clin Res] 1982 Jan 16;284(6310):163
Food of the future: will it be nutritious? Gelbart K.
Can Med Assoc J 1982 Mar 15;126(6):689–90, 693–4
Elemental diet in the management of severe eczema in childhood. Hill DJ, et al. **Clin Allergy** 1982 May; 12(3):313–5
Improvement of Crohn fistulas with a peptide diet. Steffee WP, et al. **Clin Ther** 1980;3(4):280–4
Human interdigestive and postprandial gastrointestinal motor and gastrointestinal hormone patterns. Rees WD, et al.
Dig Dis Sci 1982 Apr;27(4):321–9
Two new enteral feeds: Nutrauxil and Nutranel.
Drug Ther Bull 1982 Feb 19;20(4):15–6
Effective early postoperative nutrition by defined formula diet via needle–catheter jejunostomy. Ballon SC.
Gynecol Oncol 1982 Aug;14(1):23–32
Food system for Space Shuttle Columbia. Stadler CR, et al. **J Am Diet Assoc** 1982 Feb;80(2):108–14
Hazards of naso–enteric feeds [letter] Simmons NA.
J Hosp Infect 1981 Sep;2(3):276–8
Effects of storage conditions on nutritional qualities of semipurified (AIN–76) and natural ingredient (NIH–07)diets. Fullerton FR, et al. **J Nutr** 1982 Mar; 112(3):567–73
Protein synthesis rate in liver and muscle of rats following four days of overfeeding. Glick Z, et al. **J Nutr** 1982 Feb; 112(2):391–7
Bioavailability of nickel in man: effects of foods and chemically–defined dietary constituents on the absorption of inorganic nickel. Solomons NW, et al. **J Nutr** 1982 Jan; 112(1):39–50
Oxygen consumption and thyroid hormones in germfree mice fed glucose–amino acid liquid diet. Wostmann BS, et al.
J Nutr 1982 Mar;112(3):552–9
Postoperative nutritional supplementation for the orthognathic surgery patient. Kendell BD, et al.
J Oral Maxillofac Surg 1982 Apr;40(4):205–13
The role of a defined formula diet in the prevention of stress–induced gastric mucosal injury in the rat. Mabogunje OA, et al. **J Pediatr Surg** 1981 Dec;16(6):1036–9
Bacterial safety of reconstituted continuous drip tube feeding. Hostetler C, et al. **JPEN** 1982 May–Jun;6(3):232–5
Continuous elemental enteral alimentation in the treatment of children and adolescents with Crohn's disease. Morin CL, et al. **JPEN** 1982 May–Jun;6(3):194–9
An evaluation of a microcomputer in reducing the preparation time of parenteral nutrition solutions. Rich DS, et al. **JPEN** 1982 Jan–Feb;6(1):71–5
Vitamin regimens in parenteral nutrition: a dilemma. Robinson LA, et al. **JPEN** 1982 Jan–Feb;6(1):76–7
The effect of total parenteral nutrition or elemental diet on pancreatic proteolytic activity and ultrastructure. Traverso LW, et al. **JPEN** 1981 Nov–Dec;5(6):496–500
Effect of diverting bile and pancreatic secretions into the ileum on small bowel mucosa in rats fed a liquid formula diet. Weser E, et al. **JPEN** 1982 Jan–Feb;6(1):39–42
Gastrointestinal response to nutrient variation of defined formula diets. Young EA, et al. **JPEN** 1981 Nov–Dec; 5(6):478–84
The influence of minerals and protein on the nephrocalcinosis potential for rats of semisynthetic diets. Meyer O, et al.
Lab Anim 1982 Jul;16(3):271–3
Protein food mixture for Zambian children. Raghu MB, et al. **Med J Zambia** 1980 Oct–Nov;14(6):103–6
Effects os substitution of glucose–oligosaccharides by sucrose in a defined formula diet on intestinal disaccharidases, hepatic lipogenic enzymes and carbohydrate metabolism in young rats. Cha CJ, et al. **Metabolism** 1982 Jan; 31(1):57–66
Increased ureagenesis and impaired nitrogen use during infusion of a synthetic amino acid formula: a controlled trial. Smith JL, et al. **N Engl J Med** 1982 Apr 29; 306(17):1013–8
Nutritional support of the sick infant. Greene HL.
Pediatr Ann 1981 Nov;10(11):63–79
Ethanol–Metrecal diets: II. Failure to obtain impaired performance on a series of appetitively and aversively motivated tasks. Tombaugh TN.
Pharmacol Biochem Behav 1981 Sep;15(3):463–9
Ethanol–Metrecal diets: I. effects of different levels of ethanol–derived kilocalories on consumption of diet, body weight and grams of ethanol ingested. Tombaugh TN, et al. **Pharmacol Biochem Behav** 1981 Sep;15(3):455–62
Enteral nutritional support: guidelines for feeding product selection. Gordon AM Jr. **Postgrad Med** 1982 Jul; 72(1):72–7, 80–2
School performance of supplemented and unsupplemented children from a poor rural area. Chavez A, et al.
Prog Clin Biol Res 1981;77:393–402
Nutrition, social environment and cognitive performance of disadvantaged Colombian children at three years (1). Mora JO, et al. **Prog Clin Biol Res** 1981;77:403–20
A rationale for enteral feeding as the preferable route for hyperalimentation. McArdle AH, et al. **Surgery** 1981 Oct; 90(4):616–23
Protein–rich food mixtures for feeding the young in Egypt. I. formulation. Morcos SR, et al. **Z Ernahrungswiss** 1981 Dec;20(4):275–82
[Experience with Nutrimin pulvis Spofa] Vavroš B.
Vnitr Lek 1982 Feb;28(2):189–91 **(Cze)**
[Coumarin resistance and vitamin K1 (letter)] Broekmans AW, et al. **Ned Tijdschr Geneeskd** 1981 Nov 28; 125(48):1974–5 **(Dut)**
[Nutritional support in patients with oral and pharyngeal carcinomas (author's transl)] Lobera A, et al. **Ann Chir** 1981 Sep;35(7):495–7 (Eng. Abstr.) **(Fre)**
[Elemental or semielemental diet?] Schmitz J.
Gastroenterol Clin Biol 1982 Apr;6(4):347–9 **(Fre)**
[Trials with the native physiological tube–feeding diet Nutro–Drip after maxillofacial operations] Lange H, et al. **Infusionsther Klin Ernahr** 1981 Dec;8(6):291–301 (Eng. Abstr.) **(Ger)**
[Balanced minimal diet in ambulatory patients] Liebl G.
MMW 1982 May 21;124(20):507–8 **(Ger)**
[Clinical application of Ensure in surgical fields (author's transl)] Saito T, et al. **Nippon Geka Hokan** 1981 Jul 1; 50(4):611–8 (Eng. Abstr.) **(Jpn)**
[Use of elemental diet for nutritional management of the patients with head and neck tumor (author's transl)] Saito A, et al. **Nippon Jibiinkoka Gakkai Kaiho** 1982 May; 85(5):534–41 (Eng. Abstr.) **(Jpn)**
[Use of synthetic nutrients in postoperative enteral hyperalimentation and in the treatment of digestive tract fistulas] Jonecko A, et al. **Wiad Lek** 1981 Oct 1; 34(19):1599–605 (Eng. Abstr.) **(Pol)**
[Use of elemental diets in preoperative management of patients with diseases of the large intestine] Skobelkin OK, et al. **Khirurgiia (Mosk)** 1981 Sep;(9):83–5 (Eng. Abstr.) **(Rus)**
[Use of a high–protein enteral feeding preparation in digestive organ diseases] Lisovskiĭ VA, et al. **Voen Med Zh** 1981 Sep;(9):32–5 **(Rus)**
[Pancreatitis and elemental diet. Exocrine secretion in dogs and a clinical study] Tapia J, et al.
Rev Gastroenterol Mex 1981 Jul–Sep;46(3):117–23 (Eng. Abstr.) **(Spa)**

ADVERSE EFFECTS

Effects of arginine–free meals on ureagenesis in cats. Stewart PM, et al. **Am J Physiol** 1981 Oct;241(4):E310–5
Neonatal diarrhoea in calves given milk–substitutes differing in fat source and fed by different procedures. Abe M, et al. **Br J Nutr** 1981 Nov;46(3):543–8
Low–calorie–formula diets––are they safe? Baird IM.
Int J Obes 1981;5(3):249–56
Gastrointestinal tolerance of iron–fortified proprietary infant formulas. **Nutr Rev** 1981 May;39(5):210–1

ANALYSIS

Zinc concentrations in ethanol liquid diet formulations. Stull RE, et al. **Drug Alcohol Depend** 1981 Jul;7(4):393–4
Nutritional support: formulas and delivery of enteral feeding. I. Enteral formulas. Chernoff R. **J Am Diet Assoc** 1981 Oct;79(4):426–9
New preparations of the elemental diet and the clinical application. Ogoshi S, et al. **Jpn J Surg** 1981;11(5):391–7 (24 ref.)
[Microbiological control in the manufacture of dried products for infant and dietetic nutrition] Gerasimenko LN, et al. **Vopr Pitan** 1982 Jan–Feb;(1):76–8 **(Rus)**
[Formulation of a rice–based beverage of high nutritive value] Guerra MJ, et al. **Arch Latinoam Nutr** 1981 Jun; 31(2):337–49 (Eng. Abstr.) **(Spa)**

STANDARDS

Gastrointestinal response to oral versus gastric feeding of defined formula diets. Young EA, et al.
Am J Clin Nutr 1982 Apr;35(4):715–26
Artificial rearing of rat pups with a protein–enriched formula. Diaz J, et al. **J Nutr** 1982 May;112(5):841–7
Metabolism in the artificially reared rat pup: effect of an atypical rat milk substitute. Sonnenberg N, et al.
J Nutr 1982 Aug;112(8):1506–14
Zinc and copper status of treated children with phenylketonuria. Acosta PB, et al. **JPEN** 1981 Sep–Oct; 5(5):406–9
The nutritive quality of processed foods: general policies for nutrient additions. Statement by the American Medical Association. **Nutr Rev** 1982 Mar;40(3):93–6

TOXICITY

Effect of a liquid diet on the protein composition of rat parotid saliva. Johnson DA. **J Nutr** 1982 Jan;112(1):175–81
Development of hepatic lesions in male Fischer–344 rats fed AIN–76A purified diet. Medinsky MA, et al.
Toxicol Appl Pharmacol 1982 Jan;62(1):111–20

FOOD, FORTIFIED

Nutritional status in a healthy elderly population: dietary and supplemental intakes. Garry PJ, et al. **Am J Clin Nutr** 1982 Aug;36(2):319–31
Fluoride balance studies in healthy men during bed rest with and without a fluoride supplement.. Maheshwari UR, et al. **Am J Clin Nutr** 1982 Aug;36(2):211–8
The effect of vitamin A fortification of sugar on iron metabolism in preschool children in Guatemala. Mejía LA, et al. **Am J Clin Nutr** 1982 Jul;36(1):87–93
The effects of nutritional supplementation on physical growth of children at risk of malnutrition. Mora JO, et al.
Am J Clin Nutr 1981 Sep;34(9):1885–92
Effects of prenatal nutritional supplementation on the placenta: report of a randomized controlled trial. Pereira M, et al. **Am J Clin Nutr** 1982 Aug;36(2):229–34
Stability and osmolality of a nutritional food supplement during simulated nasogastric administration. Galt LG, et al. **Am J Hosp Pharm** 1982 Jun;39(6):1009–12
Use of ducks as a model to study the effect of antibiotics in feed on the fecal shedding of Salmonella. Latour PB, et al. **Am J Vet Res** 1981 Dec;42(12):2105–8
Utilization of low–quality roughages; effects of supplementing with casein treated or untreated with formaldehyde on digesta flows, intake and growth rate of cattle eating wheat straw. Sriskandarajah N, et al.
Br J Nutr 1982 May;47(3):553–63
Hormonal and metabolic adaptation to protein–supplemented fasting in obese subjects. Scheen AJ, et al. **Int J Obes** 1982; 6(2):165–74
Should zinc be added to textured vegetable protein? Hogarth FW. **Hum Nutr** 1981 Oct;35(5):379–82 (32 ref.)
Human milk protein supplementation for the prevention of hypoproteinemia without metabolic imbalance in breast milk–fed, very low–birth–weight infants. Rönnholm KA, et al. **J Pediatr** 1982 Aug;101(2):243–7
Use of nutritional supplements by family practice patients. English EC, et al. **JAMA** 1981 Dec 11;246(23):2719–21
'Promoters of the health code believe fervently' [letter] Katz M. **Pediatrics** 1982 Feb;69(2):246–8
Iron supplementation studies. Experimental design and interpretation of results. Charoenlarp P.
Prog Clin Biol Res 1981;77:355–61
Health effects of supplementary feeding programs. Chávez A, et al. **Prog Clin Biol Res** 1981;67:129–39
Iron fortification in developing countries. Viteri FE, et al.
Prog Clin Biol Res 1981;77:345–54
[Studies on foods fortified with L–ascorbic derivatives. II. Biological effects of L–ascorbic phosphate (author's transl)] Li XR. **Chung Hua Yu Fang I Hsueh Tsa Chih** 1981 Mar; 15(2):90–2 **(Chi)**
[Studies on foods fortified with L–ascorbic acid derivatives. I. Preparation and properties of L–ascorbic phosphate (author's transl)] Tao GQ.
Chung Hua Yu Fang I Hsueh Tsa Chih 1981 Jan;15(1):30–3 **(Chi)**
[Effect of iron–fortified diet on the prevention and treatment of hypochromic anemia] Rafalski H, et al. **Pediatr Pol** 1981 Sep;56(9):1089–94 (Eng. Abstr.) **(Pol)**
[Effect of the ingestion of sugar fortified with vitamin A (50UI/g) in the prevention of vitamin A deficiency] Borges EL, et al. **AMB** 1981 Aug;27(8):234–6 (Eng. Abstr.) **(Por)**
[Consumption of a supplemented food by pregnant women and wet nurses in a Ribeirão Preto health unit, Brazil] Costa J, et al. **Rev Saude Publica** 1981 Oct;15(5):472–7 **(Por)**
[Effect of vitamin and mineral supplements on the protein utilization of mixtures of corn and beans] Contreras G, et al. **Arch Latinoam Nutr** 1981 Dec;31(4):808–26 (Eng. Abstr.) **(Spa)**

ADVERSE EFFECTS

Neonatal intestinal obstruction associated with oral calcium supplementation. Cleghorn GJ, et al. **Aust Paediatr J** 1981 Dec;17(4):298–9

ANALYSIS

Folacin content of supplemental foods for pregnancy. Thenen SW. **J Am Diet Assoc** 1982 Mar;80(3):237–41
Simplified assay of vitamin D2 in fortified dried milk by using two steps of high–performance liquid chromatography. Okano T, et al. **J Nutr Sci Vitaminol (Tokyo)** 1981; 27(6):539–50
[Specialized acidophilus products in the nutrition of athletes] Brents MIa, et al. **Vopr Pitan** 1982 Mar–Apr;(2):18–21 (Eng. Abstr.) **(Rus)**

POISONING

Foodborne illness associated with niacin: report of an outbreak linked to excessive niacin in enriched cornmeal. Bartlett PC, et al. **Public Health Rep** 1982 May–Jun; 97(3):258–60

STANDARDS

Use of common salt fortified with iron in the control and prevention of anemia––a collaborative study. Report of the Working Group on Fortification of Salt with Iron.
Am J Clin Nutr 1982 Jun;35(6):1442–51
Artificial rearing of rat pups with a protein–enriched formula. Diaz J, et al. **J Nutr** 1982 May;112(5):841–7
The nutritive quality of processed foods: general policies for nutrient additions. Statement by the American Medical Association. **Nutr Rev** 1982 Mar;40(3):93–6
Problems of mineral supplementation in modern farming systems. Beaumont D. **Proc Nutr Soc** 1981 Sep;40(3):279–83

Protein enrichment of bread: I. Chemical and sensoric evaluation. Taha FS, et al. **Z Ernahrungswiss** 1982 Mar; 21(1):77–82

SUPPLY & DISTRIBUTION

WIC: a food program intended to improve nutritional status. Blankenbaker RG. **J Indiana State Med Assoc** 1981 Nov; 74(11):748

TOXICITY

[Studies on foods fortified with L–ascorbic acid derivatives. III. The evaluation of toxicity of ascorbic acid phosphate (author's transl)] Guo ZC.
Chung Hua Yu Fang I Hsueh Tsa Chih 1981 Jul;15(4):231–3 **(Chi)**

FOOD HABITS

Nutritional status in a healthy elderly population: dietary and supplemental intakes. Garry PJ, et al. **Am J Clin Nutr** 1982 Aug;36(2):319–31

Prediction of nutritional status from food consumption and consumer attitude data. Schutz HG. **Am J Clin Nutr** 1982 May;35(5 Suppl):1310–8

Food, eating habits, and health: a further examination of the relationship between food eating patterns and nutritional health. Schwerin HS, et al. **Am J Clin Nutr** 1982 May;35(5 Suppl):1319–25

Skeletal fluorosis from eating soil. Fisher JR, et al.
Ariz Med 1981 Nov;38(11):833–5

Rationale of the diet–heart statement of the American Heart Association. Report of the AHA nutrition committee.
Arteriosclerosis 1982 Mar–Apr;2(2):177–91 (168 ref.)

The caries experience and dietary habits of Edinburgh nursery school children. Blinkhorn AS. **Br Dent J** 1982 Apr 6;152(7):227–30

Eating for living and longevity in South African cultural groups. Walker AR. **Cent Afr J Med** 1981 Sep;27(9):176–81

Does dietary health education reach only the privileged? The Stanford Three Community Study. Fortmann SP, et al. **Circulation** 1982 Jul;66(1):77–82

Rationale of the diet–heart statement of the American Heart Association. Report of Nutrition Committee. Grundy SM, et al. **Circulation** 1982 Apr;65(4):839A–854A

Consumption of sweet foods among adolescents in Finland. Honkala E, et al. **Community Dent Oral Epidemiol** 1982 Jun;10(3):103–10

Interview or questionnaire? A comparison based on the relationship between caries and dietary habits in preschoolchildren. Schröder U, et al.
Community Dent Oral Epidemiol 1981 Apr;9(2):79–82

Dental caries and sugar intake, during and between meals, in children of an Israeli Kibbutz. Sgan–Cohen HD, et al. **Community Dent Oral Epidemiol** 1982 Feb;10(1):52–3

Muscle glycogen and diet in elite soccer players. Jacobs I, et al. **Eur J Applied Physiol** 1982;48(3):297–302

Dietary habits and colonic carcinoma. Bloch R.
Hepatogastroenterology 1981 Oct;28(5):231–2

An evaluation of a traditional Vietnamese diet in the UK. Carlson E, et al. **Hum Nutr Appl Nutr** 1982 Apr; 36(2):107–15

Nutrition education for the elderly. Holdsworth MD, et al. **Hum Nutr Appl Nutr** 1982 Feb;36(1):22–7

Diet restriction by pregnant women in Nigeria. Ojofeitimi EO, et al. **Int J Gynaecol Obstet** 1982 Apr;20(2):99–103

Dietary intake. Kehoe M, et al. **Ir Med J** 1981 Nov;74(11):316

Feeding the Vietnamese refugees in the United Kingdom. Carlson E, et al. **J Am Diet Assoc** 1982 Aug;81(2):164–7

Classifying cultural food habits and meanings. Hertzler AA, et al. **J Am Diet Assoc** 1982 May;80(5):421–5

Three generations of Armenians: food habits and dietary status. Nalbandian A, et al. **J Am Diet Assoc** 1981 Dec; 79(6):694–9

Food supplement usage by the elderly. Read MH, et al.
J Am Diet Assoc 1982 Mar;80(3):250–3

Correlation of serum cholesterol levels and incidence of myocardial infarction with dietary onion and garlic eating habits. Sogani RK, et al. **J Assoc Physicians India** 1981 Jun;29(6):443–6

Changing food habits among 100 elderly men and women in the United Kingdom. Bilderbeck N, et al.
J Hum Nutr 1981 Dec;35(6):448–55

Food habits of the Dinka in the Jonglei area of Sudan – a preliminary study. Ogilvy SM. **J Hum Nutr** 1981 Aug; 35(4):296–301

Effect of diet and smoking intervention on the incidence of coronary heart disease. Report from the Oslo Study Group of a randomised trial in healthy men. Hjermann I, et al.
Lancet 1981 Dec 12;2(8259):1303–10

The effect of diet on immune responsiveness and aging. Rabin BS. **Med Hypotheses** 1982 May;8(5):495–503

Food habits and nutritional status of Brisbane schoolchildren. Dugdale AE, et al. **Med J Aust** 1981 Oct 17;2(8):407–9

Media coverage of coffee study has little effect on coffee consumption [letter] Samet JM, et al. **N Engl J Med** 1982 Jul 8;307(2):128

Salt and caffeine intake in a 19–month–old child [letter] Rider PS. **Pediatrics** 1982 Apr;69(4):500

Copulation affects body weight but not food intake or dietary self–selection in male rats. Siegel LI, et al.
Physiol Behav 1981 Nov;27(5):943–6

Factors influencing Sudanese food habits in Britain. Al–Mokhalalati J. **Proc Nutr Soc** 1982 Jun;41(2):239–42

Food habits of the majority: evolution of the current UK pattern. Thomas JE. **Proc Nutr Soc** 1982 Jun;41(2):211–28 (19 ref.)

Changing food patterns. Dwyer JT, et al.
Prog Clin Biol Res 1981;77:509–25 (24 ref.)

Changing food patterns in Japan. Oiso T.
Prog Clin Biol Res 1981;77:527–38

Studies in dietary intake and extreme food consumption. Coomes TJ, et al. **R Soc Health J** 1982 Jun;102(3):119–23

[Primary epidemiologic survey about causative factors of esophageal carcinoma in Xinjian Province (author's transl)] Liu BQ, et al.
Chung Kuo I Hsueh Ko Hsueh Yuan Hsueh Pao 1980 Dec; 2(4):232–7 (Eng. Abstr.) **(Chi)**

[Obesity in children. III. Feeding pattern in relation to the possible development of obesity] de Wijn JF.
Tijd Kindergeneeskd 1981 Dec;49(6):214–20 (Eng. Abstr.) **(Dut)**

[The development of salt consumption in France] Cottet J. **Bull Mem Acad R Med Belg** 1981 Nov 28;136(11):556–65 (Eng. Abstr.) **(Fre)**

[The influence of different diets and smoking on the clinical chemical diagnosis of pheochromocytoma, neuroblastoma, and carcinoid syndrome (author's transl)] Heinemann G, et al. **Klin Wochenschr** 1981 Oct 15;59(20):1165–73 (Eng. Abstr.) **(Ger)**

[Motivation for sensible eating habits] Pudel V. **MMW** 1981 Aug 21;123(34):1259–61 **(Ger)**

[The influence of diet habits and diet compose upon the heart and circulation system of elderly people (author's transl)] Grigorov JG, et al. **ZFA (Dresden)** 1981;36(6):533–6 (Eng. Abstr.) **(Ger)**

[Changes in food habits among the Japanese and neoplasms in the large intestine] Narisawa T. **Nippon Rinsho** 1981 May;39(5):2022–7 (32 ref.) **(Jpn)**

[Dietary habits of children in various elementary schools in Warsaw. Pilot study] Sobotowska M, et al. **Pediatr Pol** 1982 Jan;57(1):37–44 (Eng. Abstr.) **(Pol)**

[Evaluation of dietary intake of males aged 20—39 years employed in Warsaw factories (author's transl)] Kulesza W, et al. **Przegl Lek** 1981;38(11):809–12 (Eng. Abstr.) **(Pol)**

[The characteristics of nutrition mode in population of selected establishments of South Poland (author's transl)] Magdoń M, et al. **Przegl Lek** 1981;38(11):813–7 (Eng. Abstr.) **(Pol)**

[The relationship between the number of meals consumed daily and ihd risk male population 40—59 years from Warsaw factories (author's transl)] Pertkiewicz K, et al. **Przegl Lek** 1981;38(11):825–30 (Eng. Abstr.) **(Pol)**

[The relationship between IHD and nutritional habits assessed in the male population aged 40—59 years employed in Warsaw factories (author's transl)] Rywik S, et al. **Przegl Lek** 1981;38(11):819–24 (Eng. Abstr.) **(Pol)**

[Problems of the dietary habits of workers employed in the shift system] Kopczyńska B, et al.
Rocz Panstw Zakl Hig 1981;32(5–6):471–8 (Eng. Abstr.) **(Pol)**

[Relationship between food habits and educational status of Warsaw women] Narojek L, et al.
Rocz Panstw Zakl Hig 1981;32(2):145–51 (Eng. Abstr.) **(Pol)**

[Effect of the choice of the day for study on the assessment of the dietary habits of Warsaw women] Narojek L, et al. **Rocz Panstw Zakl Hig** 1981;32(5–6):463–70 (Eng. Abstr.) **(Pol)**

[Survey of nutrition knowledge and food practices by persons in charge of the nutrition of family groups] Corrêa Santos A, et al. **Arch Latinoam Nutr** 1981 Dec;31(4):714–25 (Eng. Abstr.) **(Por)**

[Prevalence and conditions of cocaism in an agroindustrial community of the northern coast of Peru. Survey carried out in the Cooperativa Agraria San Jacinto (Province of Chimbote, Department of Ancash)] Ramos–Aliaga EO, et al. **Arch Latinoam Nutr** 1981 Dec;31(4):647–65 (Eng. Abstr.) **(Spa)**

FOOD HANDLING

Effect of commercial processing of canola and rapeseed on growth of larvae of the yellow mealworm, Tenebrio molitor L. Davis GR, et al. **Arch Int Physiol Biochim** 1981 Nov;89(4):399–403

Refined foods. Bender AE. **Bibl Nutr Dieta** 1981;(30):160–5

Immunological analysis of the roles of two major types of cytochrome P–450 in mutagenesis of compounds isolated from pyrolysates. Watanabe J, et al.
Biochem Biophys Res Commun 1982 Jan 15;104(1):193–9

The effect of pasteurization on the survival of Campylobacter species in milk. Gill KP, et al. **Br Vet J** 1981 Nov; 137(6):378–84

Citrus fruits – varieties, chemistry, technology, and quality evaluation. Part I: varieties, production, handling, and storage. Ramana KV, et al.
CRC Crit Rev Food Sci Nutr 1981;15(4):353–431 (411 ref.)

Results of the chemical inspections of imported foods, utensils, container–packages and toys in Osaka branch from April in 1979 till March 1980. Ito Y, et al.
Eisei Shikenjo Hokoku 1981;99:191–5

Creutzfeldt–Jakob disease and sheep brain. A report from central and Southern Italy. Lo Russo F, et al.
Ital J Neurol Sci 1980 Jun;1(3):171–4

The role of sodium in food processing. Crocco SC.
J Am Diet Assoc 1982 Jan;80(1):36–9

Statistical quality control in meat processing. Ockerman HW.
J Am Vet Med Assoc 1981 Dec 15;179(12):1418–20

The effects of pH and levels of organic matter on the death of salmonellas in chicken scald–tank water. Humphrey TJ.
J Appl Bacteriol 1981 Aug;51(1):27–39

The effect of pH adjustment on the microbiology of chicken scald–tank water with particular reference to the death rate of salmonellas. Humphrey TJ, et al. **J Appl Bacteriol** 1981 Dec;51(3):517–27

The effect of temperature, pressure and chlorine concentration of spray washing water on numbers of bacteria on lamb carcases. Kelly CA, et al.
J Appl Bacteriol 1981 Dec;51(3):415–24

The relevance of the distribution of micro–organisms within batches of food to the control of microbiological hazards from foods. Kilsby DC, et al. **J Appl Bacteriol** 1981 Oct; 51(2):345–54

Contamination of broiler chickens by Staphylococcus aureus during processing; incidence and origin. Notermans S, et al. **J Appl Bacteriol** 1982 Apr;52(2):275–80

The heat resistance of ascospores of four Saccharomyces spp. isolated from spoiled heat–processed soft drinks and fruit products. Put HM, et al. **J Appl Bacteriol** 1982 Apr; 52(2):235–43

Effect of cooking and cold storage on biologically active antibiotic residues in meat. O'Brien JJ, et al.
J Hyg (Lond) 1981 Dec;87(3):511–23

The nutritive quality of processed foods: general policies for nutrient additions. **J Tenn Med Assoc** 1981 Nov; 74(11):807–9

Dietary bulk as a limiting factor for nutrient intake—with special reference to the feeding of pre–school children. III. Studies of malted flour from ragi, sorghum and green gram. Brandtzaeg B, et al. **J Trop Pediatr** 1981 Aug;27(4):184–9

Lung cancer in butchers [letter] **Lancet** 1982 Mar 6; 1(8271):561

Lung cancer in butchers [letter] Griffith GW. **Lancet** 1982 Feb 13;1(8268):399

Cancer mortality among butchers and slaughterhouse workers [letter] Johnson ES, et al. **Lancet** 1982 Apr 17; 1(8277):913–4

Psittacosis associated with turkey processing—Ohio.
MMWR 1982 Jan 8;30(52):638–40

Suspected hepatitis A in a food handler–California.
MMWR 1981 Dec 11;30(48):596–7

Investigation, with the Salmonella/microsome test, of psychopharmaceuticals used in meat production. Preiss AM, et al. **Mutat Res** 1982 Jul;104(6):333–7

Mutagens in larger fungi. II. The mutagenicity of commercial pickled Lactarius necator in the Salmonella assay. Sterner O, et al. **Mutat Res** 1982 May–Jun;104(4–5):233–7

Nutritive value of processed meats [letter] Liebman BF, et al. **N Engl J Med** 1982 Jul 15;307(3):191–2

Meat tenderizer and stings [letter] Lanier B. **Pediatrics** 1982 Apr;69(4):505–6

Maillard reactions in food. Chemical, physiologial and technological aspects. **Prog Food Nutr Sci** 1981; 5(1–6):1–501

Investigation of Maillard products in bacterial mutagenicity test systems. Aeschbacher HU, et al.
Prog Food Nutr Sci 1981;5(1–6):279–93

Effects of thermal processing on the nutritional value and biological toxicity of fried fish–shred. Tsai CE.
Taiwan I Hsueh Hui Tsa Chih 1982 Mar;81(3):334–46

Enzymatic degradation of polar lipids in deep–frozen parsley. Duden R, et al. **Z Ernahrungswiss [Suppl]** 1981 Sep; 20(3):172–81

[Quality changes in iced shrimps (Pandalus borealis). II Changes in the contents of trimethylamine oxide and volatile nitrogen bases during automatic boiling and peeling (author's transl)] Solberg T, et al. **Nord Vet Med** 1981 Apr–May;33(4–5):260–8 (Eng. Abstr.) **(Dan)**

[Technic for the detection of Salmonella in dehydrated food–stuff] Mered B, et al. **Arch Inst Pasteur Alger** 1978–79; 53:36–50 (Eng. Abstr.) **(Fre)**

[Food hygiene and the prevention of food poisoning] Baylon H, et al. **Bull Acad Natl Med (Paris)** 1981 Jun;165(6):789–91 **(Fre)**

[Air microbe levels at a supermarket of type CIII 36 L as the criterion for evaluation of individual service areas] Arfert H, et al. **Z Gesamte Hyg** 1982;28(1):38–42 (Eng. Abstr.) **(Ger)**

[Use and significance of immunodiagnostic methods for prevention and verification of allergic manifestations in workers employed in plants for the production of biomasses on n–alkanes] Collotti C, et al. **Ann Ist Super Sanita** 1979; 15(3):439–46 **(Ita)**

[Evolution of the milk collecting and distributing center of Rome] Alosi C. **Nuovi Ann Ig Microbiol** 1981 Jan–Apr; 32(1–2):83–6 **(Ita)**

[Studies on foods with special reference to standards] Ambrogio PE. **Nuovi Ann Ig Microbiol** 1981 Jan–Apr; 32(1–2):7–14 **(Ita)**

[Recent development and future prospects of the laws concerning hygiene and quality of foods] Maida B.
Nuovi Ann Ig Microbiol 1981 Jan–Apr;32(1–2):21–38 **(Ita)**

[Hygienic chemical studies on polyvinyl chloride (V).

Migration of plasticizer from soft polyvinyl chloride used for food packaging (author's transl)] Tatsuno T, et al. **Eisei Shikenjo Hokoku** 1981;99:138–40 (Eng. Abstr.) **(Jpn)**

[Toxicological and hygienic studies of new brands of synthetic rubbers designed for contact with food products] Stankevich VV, et al. **Gig Sanit** 1981 Aug;(8):66–7 **(Rus)**

[Mycotoxin formation during the storage of unprocessed freshly harvested corn] L'vova LS, et al. **Prikl Biokhim Mikrobiol** 1981 Sep–Oct;17(5):766–72 (Eng. Abstr.) **(Rus)**

[Vitamin content in groats before and after technological processing] Smirnova LV, et al. **Vopr Pitan** 1982 Mar–Apr;(2):62–3 (Eng. Abstr.) **(Rus)**

[Obtaining flour and a protein concentrate from seeds of the Helianthus annuus (sunflower) and its addition in cookies] Bourges H, et al. **Arch Latinoam Nutr** 1980 Dec;30(4):564–79 (Eng. Abstr.) **(Spa)**

[The role of food processing and nutrition disorders (editorial)] Bresani R. **Arch Latinoam Nutr** 1981 Dec;31(4):641–4 **(Spa)**

[Biological evaluation of morro and jicaro (Crescentia alata) flours prepared by ensilaging and/or dehydration] Gómez-Brenes RA, et al. **Arch Latinoam Nutr** 1980 Dec;30(4):517–38 (Eng. Abstr.) **(Spa)**

[Rheological characteristics of tropical fruit products] Irazábal de Guariguata C. **Arch Latinoam Nutr** 1981 Dec;31(4):666–78 (Eng. Abstr.) **(Spa)**

[Effect of the cooking–extrusion process (Brady crop cooker) on the nutritive value of mixtures based on cowpea (Vigna sinensis)–corn, and cowpea–cassava] João WS, et al. **Arch Latinoam Nutr** 1980 Dec;30(4):539–50 (Eng. Abstr.) **(Spa)**

[Establishment of optimal conditions at laboratory and pilot plant levels for the preparation of a protein isolated from Lupinus mutabilis] Rodríguez Pacheco T, et al. **Arch Latinoam Nutr** 1981 Dec;31(4):782–95 (Eng. Abstr.) **(Spa)**

[Pathogenic staphylococci in nasal and bronchial exudate] Knaster Del Olmo J, et al. **Rev Sanid Hig Publica (Madr)** 1979 Mar–Apr;53(3–4):449–56 (Eng. Abstr.) **(Spa)**

[Prevalence of carriers of Salmonella and Shigella among food handlers] Sánchez Leyva R. **Salud Publica Mex** 1981 Jul–Aug;23(4):353–64 (Eng. Abstr.) **(Spa)**

ECONOMICS

Personnel: the key to a successful energy management program. Claar CN, et al. **J Am Diet Assoc** 1982 Sep;81(3):288–90

Energy use and management in production of entrées in hospital food service systems. McProud LM, et al. **J Am Diet Assoc** 1982 Aug;81(2):145–51

Energy use and the United States food chain. Chichester CO, et al. **Prog Clin Biol Res** 1981;67:437–47

INSTRUMENTATION

[Detection and identification of accelerators, guanidine derivatives] Lewandowska I, et al. **Rocz Panstw Zakl Hig** 1981;32(3):251–7 (Eng. Abstr.) **(Pol)**

[Determination of selected antioxidants used in the production of plastic materials] Stelmach A, et al. **Rocz Panstw Zakl Hig** 1981;32(3):245–9 (Eng. Abstr.) **(Pol)**

METHODS

Sex disparities in the distribution of food within rural households. Carloni AS. **Food Nutr (Roma)** 1981;7(1):3–12

Management of expressed human milk in a developing country–experiences and practical guidelines. Narayanan I, et al. **J Trop Pediatr** 1982 Feb;28(1):25–8

Thermal processing to inactivate viruses in meat products. McKercher PD, et al. **Proc Annu Meet US Anim Health Assoc** 1980;84:320–8

Detoxification of cassava leaves by simple traditional methods. Maduagwu EN, et al. **Toxicol Lett** 1982 Feb;10(2–3):245–8

[Physical methods (ultrasound) and disinfecting agents for decontaminating the water in poultry meat processing] Ionova I, et al. **Vet Med Nauki** 1981;18(4):99–105 (Eng. Abstr.) **(Bul)**

[Effect of different methods of preserving and storing dairy products on the available lysine content] Usacheva NT, et al. **Vopr Pitan** 1982 Jan–Feb;(1):74–5 **(Rus)**

STANDARDS

Food: a priority for consumer protection in Asia and the Pacific Region. Malik RK. **Food Nutr (Roma)** 1981;7(2):18–23

Health examination of food handlers– Europe. World Health Organization Working Group. **NC Med J** 1982 Jan;43(1):30–5

The nutritive quality of processed foods: general policies for nutrient additions. Statement by the American Medical Association. **Nutr Rev** 1982 Mar;40(3):93–6

Inadequate food storage and distribution systems. Harris KL. **Prog Clin Biol Res** 1981;67:559–63

The role of technology in food distribution systems in developing countries. Wallerstein MB. **Prog Clin Biol Res** 1981;67:449–58

Toxicological evaluation of Maillard products. Asp NG. **Prog Food Nutr Sci** 1981;5(1–6):483–4

Physiological and safety aspects of Maillard browning of foods. Lee TC, et al. **Prog Food Nutr Sci** 1981;5(1–6):243–56 (44 ref.)

The Maillard reaction in food; a critical review from the nutritional standpoint. Mauron J. **Prog Food Nutr Sci** 1981;5(1–6):5–35 (113 ref.)

Performance of process plant in relation to food quality and safety. Shore DT. **R Soc Health J** 1982 Feb;102(1):39–43

[Occurrence of filth in food (author's transl)] Kiermeier F. **Z Lebensm Unters Forsch** 1981;173(2):121–26 (Eng. Abstr.) **(Ger)**

FOOD HYPERSENSITIVITY

Atopic and non-atopic sensitivity in a large bakery. Popescu IG, et al. **Allergol Immunopathol (Madr)** 1981 Jul–Aug;9(4):307–12

Otologic allergy. Derlacki EL. **Am J Otol** 1982 Apr;3(4):379–83

Ecological illness: a factor in your caseload and perhaps in your life. Field CR. **J Rehabil** 1981 Jul–Sep;47(3):15–8, 80

Transient cerebral ischaemic attacks related to egg consumption. Ellis ME, et al. **Postgrad Med J** 1981 Oct;57(672):642–4

Adverse effects of food on human health. Dickerson JW. **R Soc Health J** 1981 Oct;101(5):200–3

[Intestinal as[illegible]cts of infant food allergy] Kokkonen J, et al. **Duodecim** 19a1;97(11):720–8 **(Fin)**

[Physiopathological role of intestinal absorption of alimentary antigens] Paganelli R. **Recenti Prog Med** 1981 May;70(5):487–93 **(Ita)**

[Food hypersensitivity as a handicap] Foucard T. **Lakartidningen** 1981 Oct 21;78(43):3799–800 **(Swe)**

COMPLICATIONS

Allergological aspects of atopic eczema in children. Berg T. **Acta Derm Venereol [Suppl] (Stockh)** 1981;95:29–32

Childhood depression and diet [letter] Crook WG. **Am J Dis Child** 1982 Jul;136(7):652

Extrinsic allergic alveolitis due to milk allergy: case report and review of the literature. Chetty A. **Ann Allergy** 1982 Feb;48(2):113–4

Recurrent environmentally triggered thrombophlebitis: a five-year follow-up. Rea WJ, et al. **Ann Allergy** 1981 Nov;47(5 Pt 1):338–44

Hyperactivity and the Feingold diet [letter] Traxel WL. **Arch Gen Psychiatry** 1982 May;39(5):624

Epilepsy precipitated by food sensitivity: report of a case with double-blind placebo-controlled assessment. Crayton JW, et al. **Clin Electroencephalogr** 1981 Oct;12(4):192–8

Allergy and atopic eczema II. Atherton DJ. **Clin Exp Dermatol** 1981 May;6(3):317–25 (38 ref.)

Protein-calorie deficiency and vitamin indiscretion in an atopic child who developed hypervitaminosis A. Silverman SH, et al. **Clin Pediatr (Phila)** 1982 Mar;21(3):172–4

Food allergy manifested by eosinophilia, elevated immunoglobulin E level, and protein-losing enteropathy: the syndrome of allergic gastroenteropathy. Scudamore HH, et al. **J Allergy Clin Immunol** 1982 Aug;70(2):129–38

Milk hypersensitivity in an infant with gastroschisis. Thomas DW, et al. **J Pediatr Surg** 1982 Jun;17(3):309–10

Atopic dermatitis due to food allergens. Cavagni G. **Practitioner** 1981 Nov;225(1361):1657–60

Food antibodies in schizophrenia. Kinnell HG, et al. **Psychol Med** 1982 Feb;12(1):85–9

[Urticarial rash in cow-milk allergy (author's transl)] Massicot P, et al. **Ann Dermatol Venereol** 1982;109(3):237–46 (Eng. Abstr.) **(Fre)**

[Acetylsalicylic acid and food additive intolerance in urticaria, bronchial asthma and rhinopathy] Wüthrich B, et al. **Schweiz Med Wochenschr** 1981 Sep 26;111(39):1445–50 (Eng. Abstr.) **(Ger)**

[Influence of sodium-restricted diet and food allergy in the treatment of epilepsy] Leite CE. **Arq Neuropsiquiatr** 1981 Sep;39(3):327–35 (Eng. Abstr.) **(Por)**

[Gastroesophageal reflux in asthmatic children] Mira Navarro J, et al. **Allergol Immunopathol (Madr)** 1981 Jul–Aug;9(4):289–94 (Eng. Abstr.) **(Spa)**

[Lipoid nephrosis and food allergy] Díaz F, et al. **Rev Chil Pediatr** 1981 Mar–Apr;52(2):149–54 (Eng. Abstr.) **(Spa)**

DIAGNOSIS

Reactions in the cytotoxic leucocyte test. Ruokonen J. **Allergol Immunopathol (Madr)** 1981 Jul–Aug;9(4):281–8

Children's atopy and mastocytosis in the nasal smear. Kajosaari M, et al. **Allergy** 1981 Aug;36(6):405–10

Immediate skin test reactions to spices. Niinimäki A, et al. **Allergy** 1981 Oct;36(7):487–93

One-hour blood xylose in the diagnosis of cows milk protein-sensitive enteropathy. Iyngkaran N, et al. **Arch Dis Child** 1982 Jan;57(1):40–3

Objective test for food sensitivity in asthmatic children: increased bronchial reactivity after cola drinks. Wilson N, et al. **Br Med J [Clin Res]** 1982 Apr 24;284(6324):1226–8

Food allergy: a clinical approach. Lockey RF. **Bull NY Acad Med** 1981 Sep;57(7):595–9 (11 ref.)

Elimination diets in the treatment of secretory otitis media. Ruokonen J, et al. **Int J Pediatr Otorhinolaryngol** 1982 Mar;4(1):39–46

Double-blind food challenge in the diagnosis of food sensitivity in the adult. Bernstein M, et al. **J Allergy Clin Immunol** 1982 Sep;70(3):205–10

A critique of evaluation studies of sublingual and intracutaneous provocative tests for food allergy. Forman R. **Med Hypotheses** 1981 Aug;7(8):1019–27

Cow's milk and soy protein intolerance in childhood. Kibort PM, et al. **Pediatr Ann** 1982 Jan;11(1):119–23

[Applied allergology. Part 8. Food allergy] Ring J. **MMW** 1981 Dec 18;123(51–52):38–41 **(Ger)**

DIET THERAPY

Use of a chemically defined hypoallergenic diet (Vivonex in the management of patients with suspected food allergy/intolerance. Dockhorn RJ, et al. **Ann Allergy** 1981 Oct;47(4):264–6

Allergy diets for infants and children. Crawford LV, et al. **Curr Probl Pediatr** 1981 Oct;11(12):1–44

[Use and nutritive value of almond milk] Alekseev NG, et al. **Pediatriia** 1981 Sep;(9):38–40 **(Rus)**

ETIOLOGY

Variations of cationic proteins from eosinophil leukocytes in food intolerance and allergic rhinitis. Winqvist I, et al. **Allergy** 1981 Aug;36(6):419–23

Measurement of plasma histamine in patients with suspected food hypersensitivity. Bellanti JA, et al. **Ann Allergy** 1981 Oct;47(4):260–3

Enteropathy related to fish, rice, and chicken. Vitoria JC, et al. **Arch Dis Child** 1982 Jan;57(1):44–8

Late-onset atopic eczema and multiple food allergies after infectious mononucleosis. Barnetson RS, et al. **Br Med J [Clin Res]** 1981 Oct 24;283(6299):1086–7

Perioral contact urticaria from sorbic acid and benzoic acid in a salad dressing. Clemmensen O, et al. **Contact Dermatitis** 1982 Jan;8(1):1–6

Chromium dermatitis and oral administration of the metal. Goitre M, et al. **Contact Dermatitis** 1982 May;8(3):208–9

Mucosal contact dermatitis due to instant coffee. Sonnex TS, et al. **Contact Dermatitis** 1981 Nov;7(6):298–300

Food problems. Tolber SG. **Cutis** 1981 Oct;28(4):360, 362, 367

The natural history of food sensitivity. Bock SA. **J Allergy Clin Immunol** 1982 Feb;69(2):173–7

Occupational asthma induced by inhalation and ingestion of garlic. Lybarger JA, et al. **J Allergy Clin Immunol** 1982 May;69(5):448–54

Food allergy in runners [letter] Noakes TD. **JAMA** 1982 Mar 12;247(10):1406

Bronchospasm induced by metabisulphite-containing foods and drugs. Baker GJ, et al. **Med J Aust** 1981 Nov 28;2(11):614–7

Milk allergy and margarine [letter] Collison DR. **Med J Aust** 1981 Aug 8;2(3):154, 156

Chinese-restaurant asthma [letter] Allen DH, et al. **N Engl J Med** 1981 Nov 5;305(19):1154–5

Gastroenterological and immunological aspects of cow's milk protein sensitive enteropathy. Manuel PD. **Paediatr Indones** 1981 Nov–Dec;21(11–12):249–53

Anaphylactic shock in an infant after feeding with a wheat rusk. A transient phenomenon. Rudd P, et al. **Postgrad Med J** 1981 Dec;57(674):794–5

Food allergy in polysymptomatic patients. Brown M, et al. **Practitioner** 1981 Nov;225(1361):1651–4

[Parabirch allergy. Food allergy related to birch pollen] Tønnesen J. **Ugeskr Laeger** 1982 Apr 19;144(16):1142–4 (Eng. Abstr.) **(Dan)**

[Cow's milk protein allergy (author's transl)] Tolone C, et al. **Pediatria (Napoli)** 1982 Mar 31;90(1):87–108 (37 ref.) (Eng. Abstr.) **(Ita)**

[Experimental reproduction of food anaphylaxis] Shaternikov VA, et al. **Vopr Pitan** 1982 Mar–Apr;(2):27–31 (Eng. Abstr.) **(Rus)**

HISTORY

Food allergy: lessons from the past. May CD. **J Allergy Clin Immunol** 1982 Mar;69(3):255–9

IMMUNOLOGY

Semi-quantitative analysis of immunoglobulins and complement fractions 3 and 4 in the jejunal mucosa in coeliac disease and in food allergy in childhood. Immunohistochemical study by light and electron microscopy. Perkkiö M, et al. **Acta Pathol Microbiol Scand [A]** 1981 Sep;89(5):343–50

Peanuts: allergic and other untoward reactions. Fries JH. **Ann Allergy** 1982 Apr;48(4):220–6

Clinical and immunological aspects of food hypersensitivity. Bela Schick memorial lecture. Haddad ZH. **Ann Allergy** 1982 Jul;49(1):29–34 (41 ref.)

Effect of antigen load on development of milk antibodies in infants allergic to milk. Firer MA, et al. **Br Med J [Clin Res]** 1981 Sep 12;283(6293):693–6

A follow-up study of children with food allergy. Clinical course in relation to serum IgE- and IgG-antibody levels to milk, egg and fish. Dannaeus A, et al. **Clin Allergy** 1981 Nov;11(6):533–9

Observations on high spontaneous release of histamine from leucocytes in vitro. May CD, et al. **Clin Allergy** 1982 May; 12(3):229–41

Studies on hyperimmunoglobulinaemia E in atopic diseases with particular reference to food allergens. Barnetson RS, et al. **Clin Exp Immunol** 1981 Oct;46(1):54–60

Detection of specific antigen within circulating immune complexes: validation of the assay and its application to food antigen–antibody complexes formed in healthy and food-allergic subjects. Paganelli R, et al. **Clin Exp Immunol** 1981 Oct;46(1):44–53

Specific antigen exclusion and non-specific facilitation of antigen entry across the gut in rats allergic to food proteins. Roberts SA, et al. **Clin Exp Immunol** 1981 Jul;45(1):131–6

Reaginic hypersensitivity to cow's milk proteins. Ventura A, et al. **Helv Paediatr Acta** 1981 Jul;36(3):237–40

Delayed onset food allergy [letter] Golbert TM. **J Allergy Clin Immunol** 1981 Jun;67(6):496

Immunologic mechanisms in the production of food sensitivities. Trevino RJ. **Laryngoscope** 1981 Nov; 91(11):1913–36

Immunologic assessment of cow's milk allergy. **Nutr Rev** 1981 Mar;39(3):122–3

Food allergy – a definition. Macfarlane CM, et al. **S Afr Med J** 1981 Dec 5;60(23):888

[Cow's milk protein antibodies determined by immunofluorescence (RIFT) in cow's milk protein intolerance and in controls (author's transl)] Stern M, et al. **Monatsschr Kinderheilkd** 1982 Jul;130(7):556–61 (Eng. Abstr.) **(Ger)**

[Estimation of specific IgE and IgG antibodies to egg white, ovalbumin and ovomucoid in hen's egg allergy (author's transl)] Mukoyama T, et al. **Arerugi** 1982 Feb;31(2):106–113 (Eng. Abstr.) **(Jpn)**

METABOLISM

Release of gastric histamine in patients with urticaria and food allergy. Reimann HJ, et al. **Agents Actions** 1982 Apr; 12(1–2):111–3

PATHOLOGY

Morphometric and immunohistochemical study of jejunal biopsies from children with intestinal soy allergy. Perkkiö M, et al. **Eur J Pediatr** 1981 Sep;137(1):63–9

PHYSIOPATHOLOGY

Lung function consequences of exposure and hypersensitivity in workers who process green coffee beans. Jones RN, et al. **Am Rev Respir Dis** 1982 Feb;125(2):199–202

PREVENTION & CONTROL

An oral screening procedure to determine the sensitizing capacity of infant feeding formulae. McLaughlan P, et al. **Clin Allergy** 1981 Jul;11(4):311–8

RADIOGRAPHY

[The roentgen signs of acute gastritis induced by eating raw mackerel (author's transl)] Yamazaki M, et al. **Rinsho Hoshasen** 1981 Feb;26(2):283–9 (Eng. Abstr.) **(Jpn)**

THERAPY

[Specific desensitization treatment of children with food hypersensitivity by the sublingual method] Potemkina AM, et al. **Pediatriia** 1982 Feb;(2):38–40 **(Rus)**

FOOD, INFANT see **INFANT FOOD**

FOOD INSPECTION

Results of the chemical inspections of imported foods, utensils, container–packages and toys in Osaka branch from April in 1979 till March 1980. Ito Y, et al. **Eisei Shikenjo Hokoku** 1981;99:191–5

Feedback from the freezing works. Petersen GV. **NZ Vet J** 1981 Oct;29(10):171

[From the Veterinary Chief Inspection of Public Health also Direction of the Veterinary Service. Hormone problems] **Tijdschr Diergeneeskd** 1982 Feb 15;107(4):155–8 **(Dut)**

[Lesions in slaughtered animals. IV. Decubital lesions in pigs (author's transl)] Nouws JF, et al. **Tijdschr Diergeneeskd** 1981 Dec 15;106(24):1284–7 (Eng. Abstr.) **(Dut)**

[Lesions in slaughtered animals. III. Multiple abscesses in pigs (author's transl)] Soethout AE, et al. **Tijdschr Diergeneeskd** 1981 Aug 15;106(16):806–9 (Eng. Abstr.) **(Dut)**

[Experiences with the management of two 'movable veterinary investigation offices' in the East and the West during the last World War (author's transl)] Fritzsche K. **DTW** 1982 Feb 5;89(2):65–70 (Eng. Abstr.) **(Ger)**

[Food inspectors—do they belong to the public health service?] Schiedermaier HH. **Off Gesundheitswes** 1981 Aug; 43(8):386–7 **(Ger)**

[Recent development and future prospects of the laws concerning hygiene and quality of foods] Maida B. **Nuovi Ann Ig Microbiol** 1981 Jan–Apr;32(1–2):21–38 **(Ita)**

[Working conditions and psycho-physical predisposition of the personnel of the Veterinary Sanitary Inspection on detection of cysticercosis in cattle in the slaughterhouses] Kozakiewicz B. **Pol Arch Weter** 1981;23(1):43–61 (Eng. Abstr.) **(Pol)**

[Sanitary control of food products in Romania] Załęska K. **Rocz Panstw Zakl Hig** 1981;32(1):87–91 **(Pol)**

[Health inspection characteristics of military food service installations] Varaksin VS, et al. **Voen Med Zh** 1981 Nov; (11):40–3 **(Rus)**

[Work experience in nutritional hygiene in conducting a state health inspection in Donetsk Province] Artemov AA, et al. **Vopr Pitan** 1981 Jul–Aug;(4):73–4 **(Rus)**

METHODS

Statistical quality control in meat processing. Ockerman HW. **J Am Vet Med Assoc** 1981 Dec 15;179(12):1418–20

FOOD, IRRADIATED see **FOOD IRRADIATION**

FOOD IRRADIATION

Effect of irradiation on the viability and toxin production of different fungus species. Sándor G, et al. **Acta Vet Acad Sci Hung** 1981;28(4):361–9

Mutagenicity studies on alcohol extracts from gamma-irradiated potatoes. Ishidate M Jr, et al. **Radioisotopes** 1981 Dec;30(12):662–8

Mutagenicity studies on alcohol extracts from gamma-irradiated potatoes—preparation of samples and their chemical analysis. Shinozaki Y, et al. **Radioisotopes** 1981 Dec;30(12):655–61

[Optimal irradiation dosage for microorganisms in cow's milk] Filipov Zh. **Vet Med Nauki** 1981;18(6):64–8 (Eng. Abstr.) **(Bul)**

[Comparative studies on the quantitative and qualitative optimization of germ reduction by irradiation, with due regard to the nutritive value of the treated feed ration] Wirth H. **Berl Munch Tierarztl Wochenschr** 1981 Dec 15; 94(24):488–92 (Eng. Abstr.) **(Ger)**

[Test for the mutagenicity of fish filet exposed to gamma-irradiation] Osipova IN, et al. **Radiobiologiia** 1981; 21(4):603–6 (Eng. Abstr.) **(Rus)**

ADVERSE EFFECTS

The effect of microwaves on nutrient value of foods. Cross GA, et al. **CRC Crit Rev Food Sci Nutr** 1982;16(4):355–81 (101 ref.)

Mutagenicity testing of irradiated onions in mice. Goud SN, et al. **Int J Radiat Biol** 1982 Mar;41(3):347–9

Failure of irradiated onion to induce sex-linked recessive lethal mutations in Drosophila melanogaster. Mittler S, et al. **Mutat Res** 1982 Apr;104(1–3):113–5

Mutagenicity studies on alcohol extracts from gamma-irradiated potatoes—dominant lethal test in mice. Shibuya T, et al. **Radioisotopes** 1982 Feb;31(2):74–7

Long-term feeding studies in mice fed a diet containing irradiated fish. II. 90-Day toxicity study. Benson HG, et al. **Toxicol Lett** 1980 Dec;7(2):103–5

Long-term feeding studies in mice fed a diet containing irradiated fish. I. Multigeneration reproduction, mutagenicity, teratology, and longevity studies. van Petten LE, et al. **Toxicol Lett** 1980 Dec;7(2):97–101

[Will irradiated food products be permitted soon?] Zimmermann D. **Med Welt** 1982 Jun 11;33(23):3 **(Ger)**

[Mutagenic properties of irradiated fresh fish in a chronic experiment] Zaĭtsev AN, et al. **Vopr Pitan** 1981 Jul–Aug; (4):53–6 (Eng. Abstr.) **(Rus)**

[Effect of being fed gamma-irradiated fish on embryogenesis and the chromosomes of white rats] Zaĭtsev AN, et al. **Vopr Pitan** 1981 Nov–Dec;(6):61–3 (Eng. Abstr.) **(Rus)**

METHODS

[Development of a grain irradiator—relation between dimension of the irradiator and grain flow in irradiation region (author's transl)] Hoshi T, et al. **Radioisotopes** 1981 Aug;30(8):437–42 (Eng. Abstr.) **(Jpn)**

[Development of a grain irradiator–optimum design of the irradiator (author's transl)] Hoshi T. **Radioisotopes** 1981 Oct;30(10):545–50 (Eng. Abstr.) **(Jpn)**

STANDARDS

Fricke dosimetry in low dose range for sprout inhibition. Kume T, et al. **Radioisotopes** 1981 Oct;30(10):560–2

FOOD LAWS see **LEGISLATION, FOOD**

FOOD MICROBIOLOGY

Effect of irradiation on the viability and toxin production of different fungus species. Sándor G, et al. **Acta Vet Acad Sci Hung** 1981;28(4):361–9

Comparative evaluation of methods used for aerobic mesophile count determination. Szita G, et al. **Acta Vet Acad Sci Hung** 1981;29(1):1–6

Comparison of the streak-plate and pour-plate techniques for determination of coliform counts of mild samples using crystal violet–neutral red–lactose–bile (VRBL) medium. Szita G, et al. **Acta Vet Acad Sci Hung** 1981;29(1):13–6

Comparison of KS and BLB media for enumeration of coliform organisms in milk. Szita G, et al. **Acta Vet Acad Sci Hung** 1981;29(1):7–12

Survival of Campylobacter jejuni/coli in ground refrigerated and in ground frozen beef liver and in frozen broiler carcasses. Hänninen ML. **Acta Vet Scand** 1981; 22(3–4):566–77

Foodborne Norwalk virus. Griffin MR, et al. **Am J Epidemiol** 1982 Feb;115(2):178–84

Bottled beverages and typhoid fever: the Mexican epidemic of 1972–73. Gonzalez-Cortes A, et al. **Am J Public Health** 1982 Aug;72(8):844–5

Are bottled beverages safe for travelers? [editorial] Harris JR. **Am J Public Health** 1982 Aug;72(8):787–8

Introduction and reisolation of selected gram-positive bacteria from fermented edible wastes. Talkington FD, et al. **Am J Vet Res** 1981 Aug;42(8):1302–5

Introduction and reisolation of selected gram-negative bacteria from fermented edible wastes. Talkington FD, et al. **Am J Vet Res** 1981 Aug;42(8):1298–1301

Vibrio infections in Singapore. Goh KT, et al. **Ann Acad Med Singapore** 1981 Jan;10(1):2–10

Epidemiological studies of Hepatitis A in Singapore. Goh KT. **Ann Acad Med Singapore** 1981 Jan;10(1):25–33

Culture medium for selective isolation and enumeration of Gram-negative bacteria from ground meats. Cyzeska FJ, et al. **Appl Environ Microbiol** 1981 Aug;42(2):303–7

Recovery of Campylobacter jejuni and Campylobacter coli from inoculated foods by selective enrichment. Doyle MP, et al. **Appl Environ Microbiol** 1982 Jun;43(6):1343–53

Rapid detection of Salmonella spp. in food by use of the ISO–GRID hydrophobic grid membrane filter. Entis P, et al. **Appl Environ Microbiol** 1982 Feb;43(2):261–8

Fluorogenic assays for immediate confirmation of Escherichia coli. Feng PC, et al. **Appl Environ Microbiol** 1982 Jun;43(6):1320–9

Effect of lactic acid concentration on growth on meat of Gram-negative psychrotrophs from a meatworks. Gill CO, et al. **Appl Environ Microbiol** 1982 Feb;43(2):284–8

Contamination of red-meat carcasses by Campylobacter fetus subsp. jejuni. Gill CO, et al. **Appl Environ Microbiol** 1982 May;43(5):977–80

Microbial spoilage of whole sheep livers. Gill CO, et al. **Appl Environ Microbiol** 1982 Jun;43(6):1262–6

Role of pH, lactate, and anaerobiosis in controlling the growth of some fermentative Gram-negative bacteria on beef. Grau FH. **Appl Environ Microbiol** 1981 Dec; 42(6):1043–50

Production of ochratoxin A in barley by Aspergillus ochraceus and Penicillium viridicatum: effect of fungal growth, time, temperature, and inoculum size. Häggblom P. **Appl Environ Microbiol** 1982 May;43(5):1205–7

Enzyme immunoassay for detection of Salmonellae in foods. Minnich SA, et al. **Appl Environ Microbiol** 1982 Apr; 43(4):877–93

Inexpensive treatment of frozen dairy products for membrane filtration. Peterkin PI, et al. **Appl Environ Microbiol** 1982 Feb;43(2):486–7

Identification of volatile organic compounds produced by fluorescent pseudomonads on chicken breast muscle. Pittard BT, et al. **Appl Environ Microbiol** 1982 Jun; 43(6):1504–6

Development of a two-step enrichment procedure for recovery of Yersinia enterocolitica from food. Schiemann DA. **Appl Environ Microbiol** 1982 Jan;43(1):14–27

Microbiological quality of dry-milk mixes and milk substitute infant formulas. Schwab AH, et al. **Appl Environ Microbiol** 1982 Feb;43(2):389–91

Campylobacter jejuni: incidence in processed broilers and biotype distribution in human and broiler isolates. Shanker S, et al. **Appl Environ Microbiol** 1982 May;43(5):1219–20

Isolation of acholeplasmas and a mycoplasma from vegetables. Somerson NL, et al. **Appl Environ Microbiol** 1982 Feb;43(2):412–7

Modified enrichment–serology procedure for detection of salmonellae in soy products. Surdy TE, et al. **Appl Environ Microbiol** 1981 Oct;42(4):704–7

Transfer of salmonellae to meat and offal by knives [letter] Smeltzer T, et al. **Aust Vet J** 1981 Sep;57(9):433

Salmonella in mechanically deboned meat [letter] Smeltzer T, et al. **Aust Vet J** 1981 Sep;57(9):433–4

Communicable disease associated with milk and dairy products in England and Wales 1951–80. Galbraith NS, et al. **Br Med J [Clin Res]** 1982 Jun 12;284(6331):1761–5

Toxigenic isolates of Fusarium sporotrichioides obtained from hay in Saskatchewan. Davis GR, et al. **Can J Microbiol** 1982 Feb;28(2):259–61

Incidence of Campylobacter jejuni in fresh eviscerated whole market chickens. Park CE, et al. **Can J Microbiol** 1981 Aug;27(8):841–2

Studies on the effects of low temperatures on lactic acid bacteria. Tsvetkov T, et al. **Cryobiology** 1982 Apr; 19(2):211–4

Aflatoxin distribution and total microbial counts in an edible oil extracting plant. I. Preliminary observations. Abalaka JA, et al. **Food Chem Toxicol** 1982 Feb;20(1):43–6

Hepato- and cardiotoxicity of Fusarium verticillioides (F. moniliforme) isolates from Southern African maize. Kriek NP, et al. **Food Cosmet Toxicol** 1981 Aug;19(4):447–56

Possible foodborne transmission in a case of pseudomembranous colitis due to Clostridium difficile: influence of gastrointestinal secretions on Clostridium difficile infection. Gurian L, et al. **Gastroenterology** 1982 Aug;83(2):465–9

Enterotoxigenic and enteropathogenic Escherichia coli isolated from hospital food. Panhotra BR, et al.

Indian J Med Res 1981 Aug;74:183–6
Microbiological evaluation of food items. For patients undergoing gastrointestinal decontamination and protected isolation. Pizzo PA, et al. **J Am Diet Assoc** 1982 Sep; 81(3):272–9
Factors affecting the probability of growth of pathogenic microorganisms in foods. Genigeorgis CA. **J Am Vet Med Assoc** 1981 Dec 15;179(12):1410–7 (59 ref.)
Bovine salmonellosis attributed to Salmonella anatum–contaminated haylage and dietary stress. Glickman LT, et al. **J Am Vet Med Assoc** 1981 Jun 15;178(12):1268–72
A comparison of minerals modified glutamate medium with other media for the enumeration of coliforms in delicatessen foods. Abbiss JS, et al. **J Appl Bacteriol** 1981 Aug; 51(1):121–7
Efficiency of selenite cystine and TT enrichment broths for the detection of Salmonella. Bailey JS, et al. **J Appl Bacteriol** 1981 Dec;51(3):409–14
Growth at sub–zero temperatures of black spot fungi from meat. Gill CO, et al. **J Appl Bacteriol** 1982 Apr;52(2):245–50
Enterotoxigenicity of Staphylococcus aureus strains isolated from poultry: raw poultry carcases as a potential food–poisoning hazard. Harvey J, et al. **J Appl Bacteriol** 1982 Apr;52(2):251–8
Characteristics of lactic acid bacteria isolated from vacuum–packaged beef. Hitchener BJ, et al. **J Appl Bacteriol** 1982 Feb;52(1):31–7
The effects of pH and levels of organic matter on the death of salmonellas in chicken scald–tank water. Humphrey TJ. **J Appl Bacteriol** 1981 Aug;51(1):27–39
A simple sensitive method for determining staphylococcal thermonuclease in cheese. Ibrahim GF. **J Appl Bacteriol** 1981 Oct;51(2):307–12
The effect of temperature, pressure and chlorine concentration of spray washing water on numbers of bacteria on lamb carcases. Kelly CA, et al. **J Appl Bacteriol** 1981 Dec;51(3):415–24
The relevance of the distribution of micro–organisms within batches of food to the control of microbiological hazards from foods. Kilsby DC, et al. **J Appl Bacteriol** 1981 Oct; 51(2):345–54
Contamination of broiler chickens by Staphylococcus aureus during processing; incidence and origin. Notermans S, et al. **J Appl Bacteriol** 1982 Apr;52(2):275–80
A bacteriostatic mixture for milk samples and its effect on bacteriological, cytological and chemical compositional analysis. Pettipher GL, et al. **J Appl Bacteriol** 1982 Apr; 52(2):259–65
The heat resistance of ascospores of four Saccharomyces spp. isolated from spoiled heat–processed soft drinks and fruit products. Put HM, et al. **J Appl Bacteriol** 1982 Apr; 52(2):235–43
A numerical taxonomic study of Pseudomonas strains from spoiled meat. Shaw BG, et al. **J Appl Bacteriol** 1982 Apr; 52(2):219–28
Production of off odours by isolates from poultry skin with particular reference to volatile sulphides. Thomas CJ, et al. **J Appl Bacteriol** 1981 Dec;51(3):529–34
The identification of Enterobacteriaceae from breweries: combined use and comparison of API 20E system, gel electrophoresis of proteins and gas chromatography of volatile metabolites. van Vuuren HJ, et al. **J Appl Bacteriol** 1981 Aug;51(1):51–65
A note on the performance of Rappaport's medium, compared with Rappaport–Vassiliadis broth, in the isolation of salmonellas from meat products, after pre–enrichment. Xirouchaki E, et al. **J Appl Bacteriol** 1982 Feb;52(1):125–7
Comparative efficiency of brilliant green, bismuth sulfite, Salmonella–Shigella, hektoen enteric, and xylose lysine desoxycholate agars for the recovery of Salmonella from foods: collaborative study. Andrews WH, et al. **J Assoc Off Anal Chem** 1981 Jul;64(4):899–928
Interlaboratory evaluation of the AOAC method and the A–1 procedure for recovery of fecal coliforms from foods. Andrews WH, et al. **J Assoc Off Anal Chem** 1981 Sep; 64(5):1116–21
Potential mold growth, aflatoxin production, and antimycotic activity of selected natural spices and herbs. Llewellyn GC, et al. **J Assoc Off Anal Chem** 1981 Jul;64(4):955–60
Susceptibility of strawberries, blackberries, and cherries to Aspergillus mold growth and aflatoxin production. Llewellyn GC, et al. **J Assoc Off Anal Chem** 1982 May; 65(3):659–64
Pre–enrichment broths for recovery of Salmonella from milk chocolate and edible casein: collaborative study. Poelma PL, et al. **J Assoc Off Anal Chem** 1981 Jul;64(4):893–8
Comparison of yeast and mold counts by spiral, pour, and streak plate methods. Zipkes MR, et al. **J Assoc Off Anal Chem** 1981 Nov;64(6):1465–9
Capillary gas chromatographic–mass spectrometric determination of histamine in tuna fish causing scombroid poisoning. Henion JD, et al. **J Chromatogr** 1981 Sep 4; 213(3):475–80
Serratia ficaria isolated from a human clinical specimen. Gill VJ, et al. **J Clin Microbiol** 1981 Aug;14(2):234–6
Feeding milk containing Staphylococcus aureus to calves. Barto PB, et al. **J Dairy Sci** 1982 Feb;65(2):271–4
Lactate acid inhibition of Salmonella typhimurium in yogurt. Rubin HE, et al. **J Dairy Sci** 1982 Feb;65(2):197–203
Hazards of naso–enteric feeds [letter] Simmons NA. **J Hosp Infect** 1981 Sep;2(3):276–8
Drug resistance patterns of Gram–negative bacteria isolated from food and non–sterile medicines in hospital environments. Simon–Pujol MD, et al. **J Hosp Infect** 1981 Dec;2(4):355–61
The public health aspects of roast chickens sold in take–away shops in Ibadan, Nigeria. Alonge DO, et al. **J Hyg Epidemiol Microbiol Immunol** 1982;26(1):44–8
Isolations of salmonellas from human, food and environmental sources in the Manchester area: 1976–1980. Barrell RA. **J Hyg (Lond)** 1982 Jun;88(3):403–11
Market fish hygiene in Kenya. Binta GM, et al. **J Hyg (Lond)** 1982 Aug;89(1):47–52
A study of the incidence of Vibrio parahaemolyticus in Malaysian shrimp undergoing processing for export. Cann DC, et al. **J Hyg (Lond)** 1981 Dec;87(3):485–91
Comparison of selenite F, Muller–Kauffmann tetrathionate and Rappaport's medium for salmonella isolation from chicken giblets after pre–enrichment in buffered peptone water. Harvey RW, et al. **J Hyg (Lond)** 1981 Oct; 87(2):219–24
Campylobacter enteritis associated with the consumption of free school milk. Jones PH, et al. **J Hyg (Lond)** 1981 Oct; 87(2):155–62
Transmission of Salmonella mbandaka to cattle from contaminated feed. Jones PW, et al. **J Hyg (Lond)** 1982 Apr;88(2):255–63
Enterotoxin A and B production in strains of Staphylococcus aureus isolated from human beings and foods. Reali D. **J Hyg (Lond)** 1982 Feb;88(1):103–6
The occurrence of Campylobacter jejuni in fresh food and survival under different conditions. Svedhem A, et al. **J Hyg (Lond)** 1981 Dec;87(3):421–5
Microbiological studies on hamburgers. Tamminga SK, et al. **J Hyg (Lond)** 1982 Feb;88(1):125–42
Bacterial contamination of warm carcase surfaces: the relation of total aerobic and coliform counts to the recovery of Escherichia coli I. McCulloch B, et al. **J S Afr Vet Assoc** 1981 Jun;52(2):119–22
What is the 'weanling's dilemma? Hibbert JM, et al. **J Trop Pediatr** 1981 Oct;27(5):255–8
Significance of Escherichia coli in cheese [letter] Howie J. **Lancet** 1981 Oct 24;2(8252):939
Coliform test for cheese and other foods [letter] Mossel DA. **Lancet** 1981 Dec 19–26;2(8260–61):1425
Coliform test for cheese [letter] Waite WM. **Lancet** 1981 Nov 21;2(8256):1174–5
Aflatoxin and aflatoxicosis. I. Fungal flora of some food and animal feeds with special references to aflatoxin–producing abilities. Abdel–Fattah HM, et al. **Mycopathologia** 1982 Mar 19;77(3):129–35
Contribution to the fungal flora of cereal grains in Egypt. El–Kady IA, et al. **Mycopathologia** 1982 Feb 19;77(2):103–9
Comparison of the ability of three Aspergillus strains to form aflatoxins on bakery products and on nutrient agar. Reiss J. **Mycopathologia** 1982 Feb 19;77(2):99–102
Detection and enumeration of stressed coliforms. Leela RK, et al. **Nahrung** 1981;25(5):435–40
Mycotoxins in cereal grain. Part I. Ochratoxin, citrinin, sterigmatocystin, penicillic acid and toxigenic fungi in cereal grain. Szebiotko K, et al. **Nahrung** 1981;25(5):415–21
Carcinogens occurring naturally in food. Hilker DM. **Nutr Cancer** 1981;2(4):217–23 (59 ref.)
Fusarium mycotoxins and the effects of high–fat diets. Schoental R. **Nutr Cancer** 1981;3(2):57–62
Evaluation of procedures to disperse inoculated Salmonella in poultry feeds. Cox NA, et al. **Poult Sci** 1982 Feb; 61(2):382–4
The incidence of Salmonella species and serotypes in young whole chicken carcasses in 1979 as compared with 1967. Green SS, et al. **Poult Sci** 1982 Feb;61(2):288–93
Survival of Salmonella infantis and Staphylococcus aureus on smoked broiler halves. Hooshyar P, et al. **Poult Sci** 1982 Jan;61(1):79–83
Field evaluation of the membrane filter–disc immunoimmobilization technique in the detection of salmonellae in egg products. LaRoche RN, et al. **Poult Sci** 1981 Oct;60(10):2265–9
Bacteria in frozen vegetables. Michels MJ. **Soc Appl Bacteriol Symp Ser** 1982;(10):197–218 (45 ref.)
Contamination of food plants and plant products with bacteria of public health significance. Roberts D, et al. **Soc Appl Bacteriol Symp Ser** 1982;(10):169–95 (88 ref.)
Survey of abattoir data in southern Nigeria. Antia RE, et al. **Trop Anim Health Prod** 1982 May;14(2):119–20
Isolation of Salmonella from meat and meat products in Botswana. Ndzinge IT, et al. **Trop Anim Health Prod** 1982 May;14(2):89–90
Salmonella in livestock and animal by–products in Ethiopia. Pegram RG, et al. **Trop Anim Health Prod** 1981 Nov; 13(4):203–7
Yersinia enterocolitica in water and foods (author's transl) Aldová E, et al. **Zentralbl Bakteriol Mikrobiol Hyg [B]** 1981 Sep;173(6):464–70
Distribution of the different Staphylococcus species according to their meat or dairy origin. Delarras C, et al. **Zentralbl Bakteriol Mikrobiol Hyg [B]** 1981 Sep; 173(6):471–7
Frequency of the Aspergillus flavus in some sensoric unchanged foodstuffs. Jesenská Z, et al. **Zentralbl Bakteriol Mikrobiol Hyg [B]** 1981 Dec; 174(3):279–85
Microbiology of frozen goat meat and toxin production by Bacillus cereus isolated therefrom. Srivastava KC, et al. **Zentralbl Bakteriol Mikrobiol Hyg [B]** 1981; 174(1–2):125–32
[Microbiological studies of slaughterhouse broilers] Georgiev L, et al. **Vet Med Nauki** 1981;18(9):55–9 (Eng. Abstr.) **(Bul)**
[Enterococcal studies of uncut raw dried meat products] Gogov I, et al. **Vet Med Nauki** 1981;18(3):72–6 (Eng. Abstr.) **(Bul)**
[DNA nucleotide composition of Gram–positive cocci isolated from food products of animal origin] Gogov I, et al. **Vet Med Nauki** 1981;18(10):41–5 (Eng. Abstr.) **(Bul)**
[Presence of salmonellae and coliform bacteria in ground meat and the sources of its contamination] Ionova I, et al. **Vet Med Nauki** 1981;18(6):69–75 (Eng. Abstr.) **(Bul)**
[Microbiological study in pork production] Kunev Zh, et al. **Vet Med Nauki** 1981;18(8):81–6 (Eng. Abstr.) **(Bul)**
[Cleansing and disinfecting the skin of calves in veal production] Milev M, et al. **Vet Med Nauki** 1981; 18(6):36–41 (Eng. Abstr.) **(Bul)**
[Microbiological studies in poultry meat production] Monov G. **Vet Med Nauki** 1981;18(6):42–7 (Eng. Abstr.) **(Bul)**
[Experimental studies of lung adenocarcinoma in mice induced by corn flour inoculated with Aspergillus flavus (author's transl)] Wang FR, et al. **Chung Hua Chung Liu Tsa Chih** 1981 May;3(2):91–3 (Eng. Abstr.) **(Chi)**
[Four instances of food poisoning caused by moldy glutinous maizes (author's transl)] **Chung Hua Yu Fang I Hsueh Tsa Chih** 1981 Jul;15(4):240–2 **(Chi)**
[Preliminary studies on yellow rice in certain parts of China (author's transl)] Luo XY. **Chung Hua Yu Fang I Hsueh Tsa Chih** 1981 Sep;15(5):263–5 **(Chi)**
[Lipolytic microorganisms in liver products] Lukášová J, et al. **Vet Med (Praha)** 1982 Jan;27(1):25–9 (Eng. Abstr.) **(Cze)**
[Proteolytic microorganisms in liver products] Lukášová J. **Vet Med (Praha)** 1982 Mar;27(3):185–90 (Eng. Abstr.) **(Cze)**
[Microbiological study of fresh and refrigerated meat products manufactured by REMA] Palásek J, et al. **Vet Med (Praha)** 1981 Jul;26(7):431–8 (Eng. Abstr.) **(Cze)**
[Quality changes in iced shrimps (Pandalus borealis). I. Changes in the contents of trimethylamine oxide and volatile nitrogen bases and bacteria in raw shrimps after different storage periods compared with organoleptic examinations (author's transl)] Nesbakken T, et al. **Nord Vet Med** 1981 Apr–May;33(4–5):250–9 (Eng. Abstr.) **(Dan)**
[Technic for the detection of Salmonella in dehydrated food–stuff] Mered B, et al. **Arch Inst Pasteur Alger** 1978–79; 53:36–50 (Eng. Abstr.) **(Fre)**
[Properties of Shigellae relevant to food hygiene] Fehlhaber K. **Arch Exp Veterinarmed** 1981;35(6):955–64 (Eng. Abstr.) **(Ger)**
[Propionic acid preservation of corn following inoculation with molds and yeasts] Müller HM, et al. **Arch Tierernahr** 1981 Dec;31(11–12):789–99 (Eng. Abstr.) **(Ger)**
[Experiences with the management of two 'movable veterinary investigation offices' in the East and the West during the last World War (author's transl)] Fritzsche K. **DTW** 1982 Feb 5;89(2):65–70 (Eng. Abstr.) **(Ger)**
[Occurrence of aflatoxin–forming molds in foods] Kuhn G. **Nahrung** 1982;26(1):31–5 (Eng. Abstr.) **(Ger)**
[Retrospective studies on the course of a Salmonella typhimurium–induced disease in 2 areas of the Karl Marx Stadt district] Kretschmer E, et al. **Z Arztl Fortbild (Jena)** 1981 Apr 15;75(8):389–91 **(Ger)**
[Examination of shigella in ground meat and raw sausage] Fehlhaber K. **Z Gesamte Hyg** 1982 Feb;28(2):124–8 **(Ger)**
[Recommendations for establishing standards on the evaluation of prepared foods with special attention to microbial content] Keick M, et al. **Z Gesamte Hyg** 1982 Feb;28(2):122–4 (Eng. Abstr.) **(Ger)**
[Hygienic, health and methodological problems related to microbial contamination of new protein sources] Piccininno G. **Ann Ist Super Sanita** 1979;15(3):597–631 (82 ref.) **(Ita)**
[Detection and identification of bacteria of the genus Yersinia] Chiesa C, et al. **Ann Sclavo** 1981 May–Jun; 23(3):301–13 (46 ref.) **(Ita)**
[Observations on revision analysis for accertaining microbial loads of foods] Gagliani Caputo F. **Nuovi Ann Ig Microbiol** 1981 Jan–Apr;32(1–2):87–9 **(Ita)**
[Quality of milk and normative guiding rules] Leali L. **Nuovi Ann Ig Microbiol** 1981 Jan–Apr;32(1–2):91–7 **(Ita)**
[Recent development and future prospects of the laws concerning hygiene and quality of foods] Maida B. **Nuovi Ann Ig Microbiol** 1981 Jan–Apr;32(1–2):21–38 **(Ita)**
[Mycological survey of mayonnaise, salad dressings, margarine and shortening for standardization purposes (author's transl)] Udagawa S, et al. **Eisei Shikenjo Hokoku** 1981;99:151–3 (Eng. Abstr.) **(Jpn)**
[Mycological survey of convenience foods and dehydrated

milk for standardization purposes (author's transl)] Udagawa S, et al. **Eisei Shikenjo Hokoku** 1981;99:153–6 (Eng. Abstr.) **(Jpn)**

[Studies on the relationship between Staphylococcus aureus inhabited in human and staphylococcal food poisoning. 1. Coagulase types and crystal violet ring test of isolates from clinical specimen (author's transl)] Goto K. **Kansenshogaku Zasshi** 1981 Aug;55(8):576–82 (Eng. Abstr.) **(Jpn)**

[A case of allergic bronchopulmonary aspergillosis caused by Aspergillus oryzae which is used for brewing bean paste (miso) and soy sauce (shoyu) (author's transl)] Kino T, et al. **Nippon Kyobu Shikkan Gakkai Zasshi** 1982 Apr; 20(4):467–75 (Eng. Abstr.) **(Jpn)**

[Mycotoxins and mycotoxicosis] Kurata H. **Nippon Rinsho** 1981 Jan;39(1):135–48 (13 ref.) **(Jpn)**

[Occurrence of various types of Enterobacteriaceae in selected milk products] Maciejska-Roczan K, et al. **Rocz Panstw Zakl Hig** 1981;32(2):107–12 (Eng. Abstr.) **(Pol)**

[Time of toxin appearance in relation to detectable changes in canned meat artificially contaminated with Clostridium botulinum B (preliminary report)] Palec W, et al. **Rocz Panstw Zakl Hig** 1981;32(3):223–7 (Eng. Abstr.) **(Pol)**

[Microbiological examination of dried vegetables and condiments] Stec E. **Rocz Panstw Zakl Hig** 1981; 32(3):229–35 (Eng. Abstr.) **(Pol)**

[Effect of substitution level of textured milk proteins in meat products on the degree of microbial contamination] Szydłowski A, et al. **Rocz Panstw Zakl Hig** 1981; 32(2):153–61 (Eng. Abstr.) **(Pol)**

[Reliability of microbiological studies of foods for the presence of Salmonella bacilli] Zaleski SJ, et al. **Rocz Panstw Zakl Hig** 1981;32(5–6):449–56 (Eng. Abstr.) **(Pol)**

[Quantitative determination of groups of bacteria in natural orange juice] do Nascimento D, et al. **Rev Saude Publica** 1981 Apr;15(2):221–35 (Eng. Abstr.) **(Por)**

[Various groups of microorganisms in butters sold in the municipality of São Paulo] dos Reis Filho SA, et al. **Rev Saude Publica** 1981 Aug;15(4):418–35 (Eng. Abstr.) **(Por)**

[Aeromonads in food products] Grafova TI. **Gig Sanit** 1982 Feb;(2):89–91 **(Rus)**

[Microbiological control in the manufacture of dried products for infant and dietetic nutrition] Gerasimenko LN, et al. **Vopr Pitan** 1982 Jan–Feb;(1):76–8 **(Rus)**

[Sanitary microbiological characteristics of the meat of the Antarctic shrimp (krill)] Grigor'ev Iul. **Vopr Pitan** 1981 Nov–Dec;(6):52–5 (Eng. Abstr.) **(Rus)**

[Hygienic and nutritional characteristics of Vietnamese fermented sauces] Nhuong LV. **Vopr Pitan** 1981 Sep–Oct; (5):62–5 (Eng. Abstr.) **(Rus)**

[Effect of various factors on staphylococcal multiplication during the production of curd] Petrushina LI, et al. **Vopr Pitan** 1981 Jul–Aug;(4):56–9 (Eng. Abstr.) **(Rus)**

[Enterovirus survival in water and food products] Lukina OE, et al. **Vopr Virusol** 1981 Jul–Aug;(4):481–5 (Eng. Abstr.) **(Rus)**

[Serological types of Yersinia enterocolitica isolated from humans and from environment] Iushchenko GV, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1982 Feb;(2):34–7 (Eng. Abstr.) **(Rus)**

[Third etiological factor of food poisoning—literature review and formulation of the problem] Kalina GP. **Zh Mikrobiol Epidemiol Immunobiol** 1982 Feb;(2):23–9 (86 ref.) **(Rus)**

[Measurement of the presence of Bacillus cereus in a dehydrated infant food] García V, et al. **Rev Latinoam Microbiol** 1981 Jul–Sep;23(3):141–4 (Eng. Abstr.) **(Spa)**

[Clostridium perfringens in meat products in Chile: contamination level and enteric toxicity (author's transl)] Marambio E, et al. **Rev Med Chil** 1981 Aug;109(8):717–9 (Eng. Abstr.) **(Spa)**

[Microbiological quality of frozen vegetable foods. II. Indicator microorganisms] Conejo Díaz JA. **Rev Sanid Hig Publica (Madr)** 1979 Jul–Aug; 53(7–8):1003–30 (Eng. Abstr.) **(Spa)**

[Microbiological quality of frozen vegetable foods. I. Pathogenic microorganisms] Ubeda Ruiz MA. **Rev Sanid Hig Publica (Madr)** 1979 May–Jun; 53(5–6):671–97 (Eng. Abstr.) **(Spa)**

[Variations in the bacterial flora in various stages of the ripening of salami] Gesche E, et al. **Zentralbl Veterinarmed [B]** 1982 Apr;29(3):199–206 (Eng. Abstr.) **(Spa)**

FOOD PLANTS see **PLANTS, EDIBLE**

FOOD POISONING

Ciguatera poisoning [letter] Casanova MF, et al. **Arch Neurol** 1982 Jun;39(6):387

Foodborne botulism. **FDA Drug Bull** 1981 Nov;11(3):20–2

[Evolution, clinical aspects, treatment of poisoning by denatured rapeseed oil] Gilsanz V. **An R Acad Nac Med (Madr)** 1981;98(4):569–602 **(Spa)**

[Epidemiologic and public health study of atypical food poisoning by denatured rapeseed oil] Piédrola Gil G. **An R Acad Nac Med (Madr)** 1981;98(4):523–50 **(Spa)**

COMPLICATIONS

[A case of reversible 'locked-in syndrome' like state due to pufferfish poisoning (author's transl)] Udaka F, et al. **Rinsho Shinkeigaku** 1981 Sep;21(9):762–6 (Eng. Abstr.) **(Jpn)**

DIAGNOSIS

Scombroid fish poisoning syndrome. Dickinson G. **Ann Emerg Med** 1982 Sep;11(9):487–9

Clinical features of ciguatera fish poisoning: a study of the disease in the US Virgin Islands. Morris JG Jr, et al. **Arch Intern Med** 1982 Jun;142(6):1090–2

Food borne disease. Glouberman S. **Ariz Med** 1981 Sep; 38(9):697–9

[Group poisoning with lead of alimentary origin] Nanulescu M, et al. **Rev Pediatr Obstet Ginecol [Pediatr]** 1980 Oct–Dec;29(4):349–54 (Eng. Abstr.) **(Rum)**

[Nature of sporadic food toxic infections] Litinskiĭ Iul, et al. **Klin Med (Mosk)** 1982 Feb;60(2):71–4 **(Rus)**

ETIOLOGY

Foodborne hepatitis A at a family reunion use of IgM-specific hepatitis a serologic testing. Latham RH, et al. **Am J Epidemiol** 1982 May;115(5):640–5

Ciguatera fish poisoning. Withers NW. **Annu Rev Med** 1982; 33:97–111

Aeromonas food poisoning in Nigeria: a case report. Agbonlahor DE, et al. **Cent Afr J Med** 1982 Feb;28(2):36–8

Scombrotoxin and scombrotoxin-like poisoning from canned fish. Murray CK, et al. **J Hyg (Lond)** 1982 Apr;88(2):215–20

Gefilte fish and diphyllobothriasis [letter] Loeb LJ. **JAMA** 1982 Mar 19;247(11):1566

Spanish toxic-allergic syndrome: an explanation [letter] Root-Bernstein R, et al. **Lancet** 1982 Apr 24;1(8278):969–70

Ciguatera and pregnancy [letter] Pearn J, et al. **Med J Aust** 1982 Jan 23;1(2):57–8

Food-borne illness due to inadvertent consumption of marijuana—California. **MMWR** 1981 Oct 30;30(42):527–8, 533

A foodborne outbreak of streptococcal pharyngitis—Portland, Oregon. **MMWR** 1982 Jan 22; 31(1–2):3–5

Please don't eat the daffodils [letter] Litovitz TL, et al. **N Engl J Med** 1982 Mar 4;306(9):547

Scombroid fish poisoning in central New York State. Nosanchuk JS, et al. **NY State J Med** 1982 Feb;82(2):202–3

Immunological detection of food-poisoning toxins. Crowther JS, et al. **Soc Appl Bacteriol Symp Ser** 1980;8:339–57 (83 ref.)

Bacterial agents of foodborne disease. Doyle MP, et al. **Wis Med J** 1981 Oct;80(10):24–7

[Food poisoning caused by Vibrio parahaemolyticus (letter)] Peloux Y, et al. **Nouv Presse Med** 1981 Oct 17; 10(37):3074–5 **(Fre)**

[Poisoning by adulterated edible oil] Araoz D, et al. **Schweiz Med Wochenschr** 1981 Nov 28;111(48):1818–22 (Eng. Abstr.) **(Fre)**

[Foodborne intoxications by Clostridium perfringens type A in chicken salad (author's transl)] Boos G. **DTW** 1981 Nov 5;88(11):486–8 (Eng. Abstr.) **(Ger)**

[Cases of severe enteric disease caused by spore-forming aerobic bacteria in Hungary (author's transl)] Bodnár S, et al. **Zentral Bakteriol Mikrobiol Hyg [A]** 1981 Dec; 251(1):79–82 (Eng. Abstr.) **(Ger)**

[Histamine formation by Proteus species in tunafish (author's transl)] Yamani MI, et al. **Zentralbl Bakteriol Mikrobiol Hyg [B]** 1981 Sep; 173(6):478–87 (Eng. Abstr.) **(Ger)**

[Information in support of barring the use of tetracyclines and streptomycin as growth stimulants] Priputina LS, et al. **Vopr Pitan** 1982 May–Jun;(3):61–3 **(Rus)**

[Third etiological factor of food poisoning—literature review and formulation of the problem] Kalina GP. **Zh Mikrobiol Epidemiol Immunobiol** 1982 Feb;(2):23–9 (86 ref.) **(Rus)**

IMMUNOLOGY

Absence of specific IgE antibodies in toxic oil syndrome [letter] Brostoff J, et al. **Lancet** 1982 Jan 30;1(8266):277

Renal involvement in toxic oil syndrome [letter] Gutierrez-Millet V, et al. **Lancet** 1982 May 15;1(8281):1120

HLA-DR3, DR4 increase in chronic stage of Spanish oil disease [letter] Vicario JL, et al. **Lancet** 1982 Jan 30; 1(8266):276

[Serologic shifts in food poisoning by 1 and 2 infectious agents] Bogomolov BP, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1981 Oct;(10):72–4 (Eng. Abstr.) **(Rus)**

MICROBIOLOGY

[Proteolytic activity of conditionally pathogenic microorganisms causing food poisoning] Kozareva M, et al. **Vopr Pitan** 1982 Jan–Feb;(1):53–6 (Eng. Abstr.) **(Rus)**

MORTALITY

[Fatal enteral bacterial infection in adults] Trube-Becker E. **Lebensversicherungsmedizin** 1981 Dec 3;33(9):209–11 (Eng. Abstr.) **(Ger)**

OCCURRENCE

Ciguatera fish poisoning epidemiology of the disease on St. Thomas, U.S. Virgin Islands. Morris JG Jr, et al. **Am J Trop Med Hyg** 1982 May;31(3 Pt 1):574–8

Fatty acid anilides and the toxic oil syndrome [letter] **Lancet** 1982 Jan 9;1(8263):98–9

Oleoanilides and Spanish oil poisoning [letter] Gordon RS. **Lancet** 1981 Nov 21;2(8256):1171–2

Erucic acid and the Spanish oil epidemic [letter] McMichael J. **Lancet** 1981 Nov 21;2(8256):1172–3

Erucic acid and the spanish oil epidemic [letter] Sinclair H. **Lancet** 1981 Dec 5;2(8258):1293

A foodborne outbreak of enterotoxigenic Escherichia coli diarrhea. Taylor WR, et al. **N Engl J Med** 1982 May 6; 306(18):1093–5

An outbreak of Clostridium perfringens Hobbs type 21 food poisoning. Alexander R, et al. **Zentralbl Bakteriol Mikrobiol Hyg [B]** 1981 Sep; 173(6):488–93

[Foodborne infections and poisoning in the Netherlands 1977–1979] Beckers HJ. **Ned Tijdschr Geneeskd** 1981 Dec 26;125(52):2167–71 (Eng. Abstr.) **(Dut)**

[Increase in the total number of collective food toxi-infections in 1980] Prevot AR. **Bull Acad Natl Med (Paris)** 1981 Feb;165(2):191–5 **(Fre)**

[Epidemiological studies of food poisoning. 2. Statistical analysis of relationship between weather and food poisoning] Murata G. **Kansenshogaku Zasshi** 1981 Sep; 55(9):649–62 **(Jpn)**

[Food poisoning] Adonajlo A. **Przegl Epidemiol** 1981; 35(1):105–10 **(Pol)**

[Etiological structure and epidemiological characteristics of sporadic cases of food poisoning] Bogomolov BP, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1981 Mov;(11):103–5 **(Rus)**

[The current epidemic toxic syndrome of dietary origin] **An R Acad Nac Med (Madr)** 1981;98(4):523–602 **(Spa)**

PATHOLOGY

[Pathological anatomy of the so-called toxic syndrome] Bullón Ramírez A. **An R Acad Nac Med (Madr)** 1981; 98(4):551–68 **(Spa)**

[Evolution, clinical aspects, treatment of poisoning by denatured rapeseed oil] Gilsanz V. **An R Acad Nac Med (Madr)** 1981;98(4):569–602 **(Spa)**

PHYSIOPATHOLOGY

Supraventricular tachyarrhythmia in association with the Chinese restaurant syndrome [letter] Goldberg LH. **Ann Emerg Med** 1982 Jun;11(6):333

[Secretory function of the stomach in food poisoning] Kaluzhina TI, et al. **Ter Arkh** 1981;53(10):49–52 (Eng. Abstr.) **(Rus)**

PREVENTION & CONTROL

Epidemics of intoxications through neurotoxins in France. Examples of the Warning system in antipoison centers. Arditti J, et al. **Clin Toxicol** 1981 Oct;18(10):1163–7

[Food hygiene and the prevention of food poisoning] Baylon H, et al. **Bull Acad Natl Med (Paris)** 1981 Jun;165(6):789–91 **(Fre)**

[Joint work of an epidemiological health station and feldsher-midwife centers in preventing food poisonings and acute intestinal diseases] Troitskiĭ VV, et al. **Gig Sanit** 1982; (1):73–4 **(Rus)**

THERAPY

[Four instances of food poisoning caused by moldy glutinous maizes (author's transl)] **Chung Hua Yu Fang I Hsueh Tsa Chih** 1981 Jul;15(4):240–2 **(Chi)**

VETERINARY

Oosporein-toxicosis in the turkey poult. Pegram RA, et al. **Avian Dis** 1982 Jan–Mar;26(1):47–59

FOOD PREFERENCES

Naturalistic observation of the snack-selecting behavior of obese and nonobese children. O'Brien TP, et al. **Addict Behav** 1982;7(1):75–7

Food eating patterns and health: sense or nonsense? [letter] Chen MK. **Am J Clin Nutr** 1981 Dec;34(12):2858–60

Food eating patterns and health [letter] Lowenstein FW. **Am J Clin Nutr** 1981 Dec;34(12):2861–4

Ethnic patterns of salt purchase in Houston, Texas. Kerr GR, et al. **Am J Epidemiol** 1982 Jun;115(6):906–16

Effect of peripheral anosmia in dogs trained as flavor validators. Houpt KA, et al. **Am J Vet Res** 1982 May; 43(5):841–3

Some aspects of the liking for hot coffee and coffee flavor. Cines BM, et al. **Appetite** 1982 Mar;3(1):23–34

Some like it hot: a temporal analysis of hedonic responses to chili pepper. Rozin P, et al. **Appetite** 1982 Mar;3(1):13–22

Foraging differences in cattle: fecal analysis of three racial categories in a harsh environment. Murphey RM, et al. **Behav Genet** 1981 Jul;11(4):385–94

Food patterns in modern society and their consequences on

nutrition. Brubacher G, et al. **Bibl Nutr Dieta** 1981; (30):90–9
Role of carbohydrates in the diet of industrialised countries. Southgate DA. **Bibl Nutr Dieta** 1981;(30):124–30
Evaluation of food selection patterns and preferences. Khan MA. **CRC Crit Rev Food Sci Nutr** 1981;15(2):129–53 (96 ref.)
Dietary practices of adolescents. Nelson M. **Curr Concepts Nutr** 1982;11:35–44 (32 ref.)
Nutrient intakes in self-catering students during slimming. Auckland JN, et al. **Hum Nutr Appl Nutr** 1982 Apr; 36(2):124–6
Food choices for lowering sodium intake. Altschul AM, et al. **Hypertension** 1982 Sep–Oct;4(5 Pt 2):III116–20
Responses of a free-living population of Rattus rattus (Linn.) towards poisoned baits & new food. Jain AP, et al. **Indian J Exp Biol** 1981 Jul;19(7):678–9
Beliefs and practices of rural mothers regarding 'hot' and 'cold' foods during childhood illnesses. Kumar V, et al. **Indian Pediatr** 1981 Dec;18(12):871–7
Beverage preference, drinking, and social stress in an urban community. Rodin MB, et al. **Int J Addict** 1982 Feb; 17(2):315–28
The effect of increasing the relative cost of palatable food with respect to ordinary food on total-energy intake of eight obese inpatients. Durrant MI, et al. **Int J Obes** 1982; 6(2):153–64
Sodium regulation: Sensory aspects. Beauchamp GK, et al. **J Am Diet Assoc** 1982 Jan;80(1):40–5 (45 ref.)
Food use and perceived food meanings of the elderly. Krondl M, et al. **J Am Diet Assoc** 1982 Jun;80(6):523–9
Snack and beverage preferences of university students. Nelson MB, et al. **J Am Diet Assoc** 1982 Jul;81(1):65–6
Factors affecting food selection: the role of economics. Popkin BM, et al. **J Am Diet Assoc** 1981 Oct;79(4):419–25
Food preferences of patients with cancer. Vickers ZM, et al. **J Am Diet Assoc** 1981 Oct;79(4):441–5
Free choice consumption of minerals by lambs fed calcium-adequate or calcium-deficient diets. Burghardi SR, et al. **J Anim Sci** 1982 Feb;54(2):410–8
Factors influencing intake of high urea-containing rations by lactating dairy cows. Kertz AF, et al. **J Dairy Sci** 1982 Apr;65(4):587–604
Effects of age and dentition status on measures of food acceptability. Wayler AH, et al. **J Gerontol** 1982 May; 37(3):294–9
Summarizing dietary patterns using multivariate analysis. Margetts BM, et al. **J Hum Nutr** 1981 Aug;35(4):281–6
Response of growth-retarded, hypophagic-hypodipsic rats with dorsomedial hypothalamic lesions to a diet in liquid and powder forms. Bernardis LL, et al. **J Nutr** 1981 Dec; 111(12):2142–51
Nutritional studies in the weanling rat with normophagic hypothalamic obesity. Bernardis LL, et al. **J Nutr** 1982 Jul;112(7):1441–55
Dietary self-selection and the Zucker rat. Castonguay TW, et al. **J Nutr** 1982 Apr;112(4):796–800
Protein intake regulation in adult obese (ob/ob) and lean mice: effects of nonprotein energy source and of supplemental tryptophan. Romsos DR, et al. **J Nutr** 1982 Mar;112(3):505–13
Energy balance and mitochondrial function in liver and brown fat of rats fed 'cafeteria' diets of varying protein content. Rothwell NJ, et al. **J Nutr** 1982 Sep; 112(9):1663–72
Effects of feeding a 'cafeteria' diet on energy balance and diet-induced thermogenesis in four strains of rat. Rothwell NJ, et al. **J Nutr** 1982 Aug;112(8):1515–24
Self-regulation of phosphate intake by growing rats. Siu GM, et al. **J Nutr** 1981 Sep;111(9):1681–5
Ethanol-induced conditioned taste aversions in mice that differ in neural sensitivity to ethanol. Dudek BC. **J Stud Alcohol** 1982 Jan;43(1):129–36
Ethanol and dextrose preferences in hamsters. Fitts DA, et al. **J Stud Alcohol** 1981 Nov;42(11):901–7
Odor aversions in cancer patients. Vickers ZM, et al. **Minn Med** 1981 May;64(5):277–9
Licorice consumption among high school students. Simpson FO, et al. **NZ Med J** 1982 Jan 27;95(700):31–3
The stimulus-basis of a natural food aversion in Norway rats. Carr WJ, et al. **Physiol Behav** 1982 Feb;28(2):281–7
Algebraic summation of the affective properties of a rewarding and an aversive stimulus in the rat. Ettenberg A, et al. **Physiol Behav** 1982 May;28(5):873–7
Overeating, dietary selection patterns and sucrose intake in growing rats. Hirsch E, et al. **Physiol Behav** 1982 May; 28(5):819–28
Taste preferences for amino acids in the house musk shrew, Suncus murinus. Iwasaki K, et al. **Physiol Behav** 1982 May; 28(5):829–33
Self-selected intake of carbohydrate, fat, and protein by obese (ob/ob) and lean mice. Romsos DR, et al. **Physiol Behav** 1982 Feb;28(2):301–5
The economics of food choice in chicks. Rovee-Collier CK, et al. **Physiol Behav** 1982 Jun;28(6):1097–1102
Flavor preferences in malnourished Mexican infants. Vazquez M, et al. **Physiol Behav** 1982 Mar;28(3):513–9
Sham feeding as a procedure for assessing the influence of diet palatability on food intake. Weingarten HP, et al. **Physiol Behav** 1982 Mar;28(3):401–7
Flavor preferences, food intake, and weight gain in baboons (Papio sp.). Wene JD, et al. **Physiol Behav** 1982 Mar; 28(3):569–73
[Food favoritism and taste perception for P. T. C. in Hungarian pupils (author's transl)] Forrai G, et al. **Arztl Jugendkd** 1981;72(4):246–51 (Eng. Abstr.) **(Ger)**
[Food preferences of adolescents participating in central feeding and their relation to sensory sensitivity] Gawęcki J, et al. **Nahrung** 1981;25(10):929–36 (Eng. Abstr.) **(Ger)**
[Errors and prejudices in alimentary behavior of Italians] Cairella M, et al. **Nuovi Ann Ig Microbiol** 1981 Jan–Apr; 32(1–2):73–81 **(Ita)**

DRUG EFFECTS

Effects of androgens on dietary self-selection and carcass composition in male rats. Siegel LI, et al. **J Comp Physiol Psychol** 1981 Aug;95(4):529–39
Effect of (+)- or (–)-enantiomers of fenfluramine or norfenfluramine on nutrient selection by rats. Hirsch JA, et al. **J Pharm Pharmacol** 1982 Jan;34(1):18–21
Increased carbohydrate consumption induced by neonatal administration of monosodium glutamate to rats. Kanarek RB, et al. **Neurobehav Toxicol Teratol** 1981 Fall;3(3):343–50
Differential effects of amphetamine and fenfluramine on dietary self-selection in rats. Orthen-Gambill N, et al. **Pharmacol Biochem Behav** 1982 Feb;16(2):303–9
Effects of chronic chlordiazepoxide treatment on novel and familiar food preference in rats. Hodges HM, et al. **Psychopharmacology (Berlin)** 1981;75(3):311–4
Evidence of a role for GABA in benzodiazepine effects on food preference in rats. Hodges HM, et al. **Psychopharmacology (Berlin)** 1981;75(3):305–10
Modifications of nutrient selection induced by naloxone in rats. Marks-Kaufman R, et al. **Psychopharmacology (Berlin)** 1981;74(4):321–4

FOOD PRESERVATION

Microbiological quality of dry-milk mixes and milk substitute infant formulas. Schwab AH, et al. **Appl Environ Microbiol** 1982 Feb;43(2):389–91
Effect of storage on carcinogenic activity of bracken fern. Kawai T, et al. **Cancer Lett** 1981 Mar;12(1–2):29–35
Lipid peroxidation in fish muscle microsomes in the frozen state. Apgar ME, et al. **Cryobiology** 1982 Apr;19(2):154–62
Studies on the effects of low temperatures on lactic acid bacteria. Tsvetkov T, et al. **Cryobiology** 1982 Apr; 19(2):211–4
Characteristics of lactic acid bacteria isolated from vacuum-packaged beef. Hitchener BJ, et al. **J Appl Bacteriol** 1982 Feb;52(1):31–7
The relevance of the distribution of micro-organisms within batches of food to the control of microbiological hazards from foods. Kilsby DC, et al. **J Appl Bacteriol** 1981 Oct; 51(2):345–54
Scombrotoxin and scombrotoxin-like poisoning from canned fish. Murray CK, et al. **J Hyg (Lond)** 1982 Apr;88(2):215–20
Nutritional availability to rats of selenium in tuna, beef kidney, and wheat. Douglass JS, et al. **J Nutr** 1981 Dec; 111(12):2180–7
Simplified assay of vitamin D2 in fortified dried milk by using two steps of high-performance liquid chromatography. Okano T, et al. **J Nutr Sci Vitaminol (Tokyo)** 1981; 27(6):539–50
Bacteria in frozen vegetables. Michels MJ. **Soc Appl Bacteriol Symp Ser** 1982;(10):197–218 (45 ref.)
[Enterococcal studies of uncut raw dried meat products] Gogov I, et al. **Vet Med Nauki** 1981;18(3):72–6 (Eng. Abstr.) **(Bul)**
[Quality changes in iced shrimps (Pandalus borealis). I. Changes in the contents of trimethylamine oxide and volatile nitrogen bases and bacteria in raw shrimps after different storage periods compared with organoleptic examinations (author's transl)] Nesbakken T, et al. **Nord Vet Med** 1981 Apr–May;33(4–5):250–9 (Eng. Abstr.) **(Dan)**
[Quality changes in iced shrimps (Pandalus borealis). II Changes in the contents of trimethylamine oxide and volatile nitrogen bases during automatic boiling and peeling (author's transl)] Solberg T, et al. **Nord Vet Med** 1981 Apr–May;33(4–5):260–8 (Eng. Abstr.) **(Dan)**
[Enzymatic oxidation reaction in frozen parsley] Duden R, et al. **Z Ernahrungswiss** 1981 Dec;20(4):270–4 (Eng. Abstr.) **(Ger)**
[Effect of autolytic changes in meat and of variation in technological additives on the free and bound thiamine content of sterilized port meat] Janitz W. **Z Ernahrungswiss** 1982 Mar;21(1):67–76 **(Ger)**
[Investigation on the content of tin and arsenic in commercially available canned fruits (author's transl)] Suzuki T, et al. **Eisei Shikenjo Hokoku** 1981;99:125–7 (Eng. Abstr.) **(Jpn)**
[Time of toxin appearance in relation to detectable changes in canned meat artificially contaminated with Clostridium botulinum B (preliminary report)] Palec W, et al. **Rocz Panstw Zakl Hig** 1981;32(3):223–7 (Eng. Abstr.) **(Pol)**
[Amino acid metabolism in long-term nutrition with dehydrated products and in the modelling of space-flight factors] Bychkov VP, et al. **Kosm Biol Aviakosm Med** 1981 Sep–Oct;15(5):21–3 (Eng. Abstr.) **(Rus)**
[Biological value and storage stability of cultured milk products intended for cosmonaut nutrition] Radaeva IA, et al. **Kosm Biol Aviakosm Med** 1982 Mar–Apr;16(2):23–6 (Eng. Abstr.) **(Rus)**
[Microbiological control in the manufacture of dried products for infant and dietetic nutrition] Gerasimenko LN, et al. **Vopr Pitan** 1982 Jan–Feb;(1):76–8 **(Rus)**
[Variations in the bacterial flora in various stages of the ripening of salami] Gesche E, et al. **Zentralbl Veterinarmed [B]** 1982 Apr;29(3):199–206 (Eng. Abstr.) **(Spa)**

ADVERSE EFFECTS

Volatile nitrosamines in salt-preserved fish before and after cooking. Huang DP, et al. **Food Cosmet Toxicol** 1981 Apr; 19(2):167–71

METHODS

Survival of Campylobacter jejuni/coli in ground refrigerated and in ground frozen beef liver and in frozen broiler carcasses. Hänninen ML. **Acta Vet Scand** 1981; 22(3–4):566–77
Raw milk and health in humans. White FM, et al. **Can Med Assoc J** 1982 Jun 1;126(11):1260–2
Food dehydration by solar energy. Bolin HR, et al. **CRC Crit Rev Food Sci Nutr** 1982;16(4):327–54 (34 ref.)
Effects of storage conditions on nutritional qualities of semipurified (AIN-76) and natural ingredient (NIH-07)diets. Fullerton FR, et al. **J Nutr** 1982 Mar; 112(3):567–73
[Non-enzymatic browning reaction of histamine and D-glucose and its use in the manufacture of fish products] Pavelka J. **Vet Med (Praha)** 1982 May;27(5):309–20 (Eng. Abstr.) **(Cze)**
[Physical and chemical effect of reducing histamine levels in the meat of mackerel-type fish and its application in the manufacture of fish products] Pavelka J. **Vet Med (Praha)** 1982 Apr;27(4):237–46 (Eng. Abstr.) **(Cze)**
[Propionic acid preservation of corn following inoculation with molds and yeasts] Müller HM, et al. **Arch Tierernahr** 1981 Dec;31(11–12):789–99 (Eng. Abstr.) **(Ger)**
[Technology and the time limits of food preservation] Romeo G, et al. **Minerva Dietol Gastroenterol** 1981 Oct–Dec; 27(4):619–32 **(Ita)**
[Effect of certain types of food preservation on electrophoretic properties and hydrolysis rate after exposure to proteinases of cottage cheese proteins] Stan Ela, et al. **Vopr Pitan** 1981 Sep–Oct;(5):42–6 (Eng. Abstr.) **(Rus)**
[Effect of different methods of preserving and storing dairy products on the available lysine content] Usacheva NT, et al. **Vopr Pitan** 1982 Jan–Feb;(1):74–5 **(Rus)**

STANDARDS

Homework for planning a chill-freeze system. Clement HC. **Dimens Health Serv** 1982 Jul;59(7):18–20
[Quality changes in iced shrimps (Pandalus borealis). III. Indole and pH in shrimps caught in the Barents Sea compared with shrimps caught in the Far East (author's transl)] Solberg T, et al. **Nord Vet Med** 1981 Sep–Nov; 33(9–11):446–53 (Eng. Abstr.) **(Dan)**
[Microbiological quality of frozen vegetable foods. II. Indicator microorganisms] Conejo Diaz JA. **Rev Sanid Hig Publica (Madr)** 1979 Jul–Aug; 53(7–8):1003–30 (Eng. Abstr.) **(Spa)**
[Microbiological quality of frozen vegetable foods. I. Pathogenic microorganisms] Ubeda Ruiz MA. **Rev Sanid Hig Publica (Madr)** 1979 May–Jun; 53(5–6):671–97 (Eng. Abstr.) **(Spa)**

FOOD PRESERVATIVES

see related
ANTIOXIDANTS

ADVERSE EFFECTS

[Mayonnaise eczema in a day nursery] Clemmensen OJ, et al. **Ugeskr Laeger** 1981 Oct 12;143(42):2725–6 (Eng. Abstr.) **(Dan)**
[Interactions between drugs and various food additives with medico-sanitary implications] Năstasă V, et al. **Rev Med Chir Soc Med Nat Iasi** 1981 Jul–Sep;85(3):423–8 **(Rum)**

PHARMACODYNAMICS

Radioprotecting effect of propylgalate and butylated hydroxyanisol. Ramos-Damián M, et al. **Arch Invest Med (Mex)** 1981;12(3):421–30 **(Eng, Spa)**
Decomposition of the Fusarium graminearum toxin zearalenone in storage conditions. Kallela K, et al. **Nord Vet Med** 1981 Sep–Nov;33(9–11):454–60

FOOD, PRESERVED see **FOOD PRESERVATION**

FOOD PROCESSING see **FOOD HANDLING**

FOOD-PROCESSING INDUSTRY

Lack of allergic reactions in workers exposed to Pruteen (bacterial single-cell protein). Mayes RW. **Br J Ind Med** 1982 May;39(2):183–6

Baker's asthma (grain-dust-induced asthma). Tse CS, et al. **Drug Intell Clin Pharm** 1982 Jan;16(1):14–8
Analysis of the effect of industrial effluent on growth and development of rice seedlings. Behera BK, et al. **Environ Res** 1982 Jun;28(1):10–20
A multiresidue approach to the identification of food packaging-derived volatiles in foods and containers. Hollifield HC, et al. **J Chromatogr Sci** 1981 Oct; 19(10):514–7
Sugar 'n' spice— 'n' public relations. Blum A. **Med J Aust** 1982 Jul 10;2(1):16–9
Effect of processed foods on the salt intake of preschool children: a pilot study. Miles JM, et al. **Med J Aust** 1982 Jul 10;2(1):23–5
Asthma-like illness among crab-processing workers—Alaska. **MMWR** 1982 Mar 5;31(8):95–6
Actual problems of research in food science. Schmandke H. **Nahrung** 1981;25(1):39–47
Regulation of genetic engineering in the food and agriculture industries. Karny GM. **Recomb DNA Tech Bull** 1981 Dec; 4(4):152–6
The microbiological production of food and drink. Rose AH. **Sci Am** 1981 Sep;245(3):126–34, 136, 138
[To the multiplication ability of intestinal bacteria in water (author's transl)] Daubner I, et al. **Zentralbl Bakteriol Mikrobiol Hyg [B]** 1981 Dec; 174(5):453–60 (Eng. Abstr.) **(Ger)**
[Use and significance of immunodiagnostic methods for prevention and verification of allergic manifestations in workers employed in plants for the production of biomasses on n-alkanes] Collotti C, et al. **Ann Ist Super Sanita** 1979, 15(3):439–46 **(Ita)**
[Veterinary problems: alimentary rules and evolution of the butchering industry] Massi O. **Nuovi Ann Ig Microbiol** 1981 Jan-Apr;32(1-2):39–43 **(Ita)**
[A case of bronchial asthma from buckwheat in a housewife whose husband is working in a buckwheat flour mill (author's transl)] Okumura E. **Sangyo Igaku** 1980 Sep; 22(5):382–3 **(Jpn)**
[Hygienic evaluation of rubber elements of the apparatus used in food-processing industry] Mazur H, et al. **Rocz Panstw Zakl Hig** 1981;32(2):97–100 (Eng. Abstr.) **(Pol)**
[Epidemiological aspects of the incidence of dental caries in the personnel of different industries] Burcoveanu E, et al. **Rev Med Chir Soc Med Nat Iasi** 1981 Jul-Sep; 85(3):499–504 (Eng. Abstr.) **(Rum)**

STANDARDS

Performance of process plant in relation to food quality and safety. Shore DT. **R Soc Health J** 1982 Feb;102(1):39–43

FOOD SELECTION see **FOOD PREFERENCES**

FOOD SERVICE, HOSPITAL

Enterotoxigenic and enteropathogenic Escherichia coli isolated from hospital food. Panhotra BR, et al. **Indian J Med Res** 1981 Aug;74:183–6
Mineral contents of selected pre-prepared food sampled in a hospital food service line. Leung C, et al. **J Am Diet Assoc** 1982 Jun;80(6):530–6
Evaluation of two nutrition education modules for hospital staff members. Looker A, et al. **J Am Diet Assoc** 1982 Aug; 81(2):158–63

ECONOMICS

Improving financial comparisons among dietary departments. Clemence E. **Dimens Health Serv** 1981 Jul;58(7):12–3
Food service: prime vendor plus costs approach saves hospitals $125,000 per year. **Hospitals** 1982 Jul 16;56(14):64, 66
Food services: managers use discounted cash flow methods to justify costs. **Hospitals** 1982 Jul 1;56(13):43
New trayline system cuts labor costs. Hawkins MQ, et al. **Hospitals** 1981 Oct 16;55(20):81–2
Donated food staples available to hospitals under federal program [interview] Honaker TG 3d. **Hospitals** 1982 Feb 16;56(4):82, 84
Energy use and management in production of entrées in hospital food service systems. McProud LM, et al. **J Am Diet Assoc** 1982 Aug;81(2):145–51

MANPOWER

Retired employees staff cafeteria during evening and night shifts. Hoerling A. **Hospitals** 1981 Sep 1;55(17):66–8
Identification of clinical dietetic practitioners' time use for the provision of nutrition care. **J Am Diet Assoc** 1981 Dec; 79(6):708–15

ORGANIZATION & ADMINISTRATION

Homework for planning a chill-freeze system. Clement HC. **Dimens Health Serv** 1982 Jul;59(7):18–20
Getting fed when disaster strikes. Savage D. **Dimens Health Serv** 1981 Jul;58(7):14–5
Gamble on food service technology pays off at United Hospitals [interview] Deignan P. **Hospitals** 1982 Jan 16; 56(2):58, 61, 64
Four New Jersey hospitals combine efforts to produce common manual on diet regimens. Donnelly E, et al. **Hospitals** 1982 Apr 1;56(7):66
Unreceived meals source of malnourishment. Kaud FA, et al. **Hospitals** 1982 Feb 1;56(3):47–8
Analysis of meal census patterns for forecasting menu item demand. Chandler SJ, et al. **J Am Diet Assoc** 1982 Apr; 80(4):317–23
Development of on-line real-time menu management system. Hoover LW, et al. **J Am Diet Assoc** 1982 Jan;80(1):46–52
Automated hospital information system functions for dietetics. Hoover LW, et al. **J Am Diet Assoc** 1982 Apr; 80(4):312–6
Guidelines for energy conservation. Jernigan BS. **J Am Diet Assoc** 1981 Oct;79(4):459–62
Improving the flow of customers in a hospital cafeteria. Lopez-Soriano EM, et al. **J Am Diet Assoc** 1981 Dec; 79(6):683–8
Quality assurance. II. Application of oncology standards against a levels of care model. Oberfell MS, et al. **J Am Diet Assoc** 1982 Aug;81(2):129–35
Quality assurance. I. A levels of care model. Ometer JL, et al. **J Am Diet Assoc** 1982 Aug;81(2):129–32
Absenteeism in health care food service. Taylor WC. **J Am Diet Assoc** 1981 Dec;79(6):699–701
How to avoid malnutrition during hospitalization? Isaksson B. **Prog Clin Biol Res** 1981;77:709–17
[Organization of the hospital food service in a provincial general hospital. Criteria and initial evaluation] Palmo A, et al. **Minerva Med** 1982 Jan 28;73(3-4):123–32 (Eng. Abstr.) **(Ita)**
[Organization of a nutritional support service] Conde Mercado JM. **Rev Gastroenterol Mex** 1981 Jul-Sep; 46(3):105–10 (Eng. Abstr.) **(Spa)**

STANDARDS

Quality assurance in nutritional care. Ontario Hospital Association/Ontario Dietetic Association Quality Assurance of Nutritional Care Committee. **Dimens Health Serv** 1982 Jul;59(7):16–7
Food services for the elderly: a special challenge. Chalifoux JE. **Dimens Health Serv** 1981 Jul;58(7):9–11
Auditing dietetic services in a psychiatric facility. Wootton E. **Dimens Health Serv** 1981 Jul;58(7):16–8
New York Academy of Medicine statement [letter] **J Am Diet Assoc** 1982 Apr;80(4):368
[Hospital food in Denmark. Dietary standards recommended by the Health Committee of the Medical Society] **Ugeskr Laeger** 1981 Oct 12;143(42):2760–2 **(Dan)**
[Hospital food in Denmark (editorial)] Helms P. **Ugeskr Laeger** 1981 Oct 12;143(42):2753 **(Dan)**

TRENDS

Clinical dietetics: forces shaping its future. Calvert S, et al. **J Am Diet Assoc** 1982 Apr;80(4):350–4

FOOD SERVICES

see related
FOOD SERVICE, HOSPITAL

Food substitution with worker feeding programs: energy supplementation in guatemalan sugarcane workers. Immink MD, et al. **Am J Clin Nutr** 1981 Oct;34(10):2145–50
Cognitive and health measures following early nutritional supplementation: a sibling study. Hicks LE, et al. **Am J Public Health** 1982 Oct;72(10):1110–8
Is WIC worthwhile? [editorial] Rush D. **Am J Public Health** 1982 Oct;72(10):1101–3
A nutritional analysis of the Food Stamp Program. Whitfield RA. **Am J Public Health** 1982 Aug;72(8):793–9
Free milk for children. Parkin JM. **Arch Dis Child** 1982 Feb; 57(2):89–91
Development of on-line real-time menu management system. Hoover LW, et al. **J Am Diet Assoc** 1982 Jan;80(1):46–52
Training effectiveness in school food service. Reed LE. **J Am Diet Assoc** 1982 Aug;81(2):176–9
Longitudinal study on elderly recipients of meals-on-wheels. Davies L, et al. **J Hum Nutr** 1981 Dec;35(6):442–7
Campylobacter enteritis associated with the consumption of free school milk. Jones PH, et al. **J Hyg (Lond)** 1981 Oct; 87(2):155–62
A mixed message: the school vending machine. Hinkle MM. **J Sch Health** 1982 Jan;52(1):20–4
Women, infants, and children supplemental food program: its impact on infant nutrition. Mason M. **Nebr Med J** 1982 Mar;67(3):58–9
[Nutritional value of the diet and food serving-size in nursery schools and in the home] Singer L, et al. **Cesk Pediatr** 1981 Apr;36(4):214–7 (Eng. Abstr.) **(Cze)**
[Daily menus for diet therapy of liver cirrhosis] Matzkies F, et al. **Fortschr Med** 1982 Jun 10;100(22):1041–6 **(Ger)**
[Organization of food and beverage supply during work at high temperature] Nowicka L, et al. **Rocz Panstw Zakl Hig** 1981;32(2):137–4 (Eng. Abstr.) **(Pol)**
[Experience in organizing 5 times a day feeding for children in a Pioneer camp] Kuts AV, et al. **Gig Sanit** 1981 Sep; (9):66 **(Rus)**
[Health inspection characteristics of military food service installations] Varaksin VS, et al. **Voen Med Zh** 1981 Nov; (11):40–3 **(Rus)**

ECONOMICS

A review of Sri Lanka's food subsidy policy. Abeysekera G. **Prog Clin Biol Res** 1981;77:987–92

STANDARDS

Supplementary feeding programs for young children in developing countries. Beaton GH, et al. **Am J Clin Nutr** 1982 Apr;35(4 Suppl):863–916 (93 ref.)
Feeding the Vietnamese refugees in the United Kingdom. Carlson E, et al. **J Am Diet Assoc** 1982 Aug;81(2):164–7
A study of junior school meals in South Glamorgan. McAllister A, et al. **J Hum Nutr** 1981 Oct;35(5):369–74
[The diet of children attending day nurseries. A study and evaluation of the diets of children aged 1–3 years attending day nurseries in the municipality of Copenhagen] Mortensen BM, et al. **Ugeskr Laeger** 1981 Aug 24; 143(35):2252–6 (Eng. Abstr.) **(Dan)**

FOOD, SUPPLEMENTED see **FOOD, FORTIFIED**

FOOD SUPPLY

Soviet Health, Politics, and Economics [editorial] Field MG. **Am J Public Health** 1982 May;72(5):425–7
Nutrition and food policy. Tracy M. **Appetite** 1981 Jun; 2(2):77–86
The incorporation of toxic organic chemicals into food chains. Bowes GW. **Biomed Mass Spectrom** 1981 Sep; 8(9):419–25
World health, populations, sanitation and resources. Part 1. Humphries SV. **Cent Afr J Med** 1981 Jul;27(7):144–5
New trends in research and utilization of solar energy through biological systems. **Experientia [Suppl]** 1982; 43:1–156
Mass production of microalgae. Aaronson S, et al. **Experientia [Suppl]** 1982;43:42–6
Leaf protein as a food source. Pirie NW. **Experientia [Suppl]** 1982;43:34–7
The ocean as a supplier of food and energy. Wilcox HA. **Experientia [Suppl]** 1982;43:37–41
Three decades to Malthus? [editorial] **Lancet** 1982 Jan 9; 1(8263):85–6
Food for all? [news] Rich V. **Nature** 1982 Jun 10; 297(5866):447
Nutrition in health and disease and international development. Symposia from the XII International Congress of Nutrition. San Diego, California, August 16–21, 1981. **Prog Clin Biol Res** 1981;77:1–1031
Inadequate food storage and distribution systems. Harris KL. **Prog Clin Biol Res** 1981;67:559–63
Food and nutrition in national development in Jamaica: progress and constraints. McLeod J. **Prog Clin Biol Res** 1981;77:993–1004
The impact of food aid and trade practices on LDC food and nutrition. Wallerstein MB. **Prog Clin Biol Res** 1981; 77:973–85
The microbiological production of food and drink. Rose AH. **Sci Am** 1981 Sep;245(3):126–34, 136, 138
The world food situation and global grain prospects. Barr TN. **Science** 1981 Dec 4;214(4525):1087–95
World population growth, soil erosion, and food security. Brown LR. **Science** 1981 Nov 27;214(4524):995–1002
Agricultural research and Third World food production. Plucknett DL, et al. **Science** 1982 Jul 16;217(4556):215–20
The halogenated hydrocarbon pesticides: the environment and mankind. Turner GV. **Vet Hum Toxicol** 1982 Feb; 24(1):31–3 (8 ref.)
[Energy and food] Blaizot F. **Acquis Med Recent** 1981; 198:101–8 **(Fre)**
[Problems of aquaculture: brackish water and water cultivation potential] Zaouali J. **Arch Inst Pasteur Tunis** 1981 Mar-Jun;58(1-2):93–103 **(Fre)**
[Studies on foods with special reference to standards] Ambrogio PE. **Nuovi Ann Ig Microbiol** 1981 Jan-Apr; 32(1-2):7–14 **(Ita)**
[Organization of food and beverage supply during work at high temperature] Nowicka L, et al. **Rocz Panstw Zakl Hig** 1981;32(2):137–4 (Eng. Abstr.) **(Pol)**
[Food program and the tasks of nutritional hygiene] Petrovskii KS. **Gig Sanit** 1981 Jul;(7):4–6 **(Rus)**
[Operational evaluation of a project of food-nutrition surveillance] Aranda-Pastor J, et al. **Arch Latinoam Nutr** 1981 Sep;31(3):439–59 (Eng. Abstr.) **(Spa)**
[Food and nutrition in case of disaster] **Bol Of Sanit Panam** 1981 Sep;91(3):260–2 **(Spa)**

ECONOMICS

Agriculture: a key to adequate food and nutrition for the people of the world. Brown GE Jr. **Prog Clin Biol Res** 1981;77:17–28
Energy use and the United States food chain. Chichester CO, et al. **Prog Clin Biol Res** 1981;67:437–47
Energy costs of food and nutrition systems. Pimentel D, et al. **Prog Clin Biol Res** 1981;77:1005–17
[Relation between food and types of development] Blardone G. **Acquis Med Recent** 1981;198:35–55 **(Fre)**
[Food—nutrition, health in the world. Introduction] Gentilini M. **Acquis Med Recent** 1981;198:31–3 **(Fre)**

STANDARDS

Review of trends in food use in the United States, 1909 to

1980. Welsh SO, et al. **J Am Diet Assoc** 1982 Aug; 81(2):120–8

Health effects of supplementary feeding programs. Chávez A, et al. **Prog Clin Biol Res** 1981;67:129–39

The role of technology in food distribution systems in developing countries. Wallerstein MB. **Prog Clin Biol Res** 1981;67:449–58

[Residues in products of animal origin (author's transl)] Ruiter A. **Tijdschr Diergeneeskd** 1982 Feb 1;107(3):85–92 (Eng. Abstr.) **(Dut)**

[Weighing use and safety of therapeutic agents and feed additives (author's transl)] van der Wal P. **Tijdschr Diergeneeskd** 1982 Feb 1;107(3):78–85 (Eng. Abstr.) **(Dut)**

[The common market and the public health] Custot F. **Bull Acad Natl Med (Paris)** 1981 Mar;165(3):307–13 (Eng. Abstr.) **(Fre)**

FOOD TECHNOLOGY

Food of the future: will it be nutritious? Gelbart K. **Can Med Assoc J** 1982 Mar 15;126(6):689–90, 693–4

Protein-stabilized foams and emulsions. Halling PJ. **CRC Crit Rev Food Sci Nutr** 1981;15(2):155–203 (182 ref.)

Citrus fruits – varieties, chemistry, technology, and quality evaluation. Part I: varieties, production, handling, and storage. Ramana KV, et al. **CRC Crit Rev Food Sci Nutr** 1981;15(4):353–431 (411 ref.)

Non-Newtonian viscosity of protein-stabilised emulsion. Pas KP, et al. **Indian J Biochem Biophys** 1981 Oct;18(5):311–6

Maillard reactions in food. Chemical, physiological and technological aspects. **Prog Food Nutr Sci** 1981; 5(1–6):1–501

Food science and nutrition: the gulf between rich and poor. Hulse JH. **Science** 1982 Jun 18;216(4552):1291–4

[Technology and the time limits of food preservation] Romeo G, et al. **Minerva Dietol Gastroenterol** 1981 Oct–Dec; 27(4):619–32 **(Ita)**

[Studies on foods with special reference to standards] Ambrogio PE. **Nuovi Ann Ig Microbiol** 1981 Jan–Apr; 32(1–2):7–14 **(Ita)**

[Recent development and future prospects of the laws concerning hygiene and quality of foods] Maida B. **Nuovi Ann Ig Microbiol** 1981 Jan–Apr;32(1–2):21–38 **(Ita)**

[Influence of previous cooking on the biological value of sardine protein concentrates, obtained by extraction with ethanol] de Moura EC, et al. **Arch Latinoam Nutr** 1981 Mar;31(1):73–92 (Eng. Abstr.) **(Por)**

[Hygienic evaluation data on new brands of polypropylene intended for use in the food industry] Braun DD, et al. **Gig Sanit** 1981 Oct;(10):22–4 (Eng. Abstr.) **(Rus)**

[Microclimate of the production shops in sugar manufacture and the functional state of female workers] Doroshenko PN, et al. **Gig Sanit** 1982 Feb;(2):80–2 **(Rus)**

[Use of gas chromatography in the hygienic evaluation of polyolefins for the food industry] Moshlakova LA, et al. **Gig Sanit** 1982 Apr;(4):68–71 **(Rus)**

[Mycological examination of workers engaged in the manufacture of a protein and vitamin concentrate] Agarunova IuS, et al. **Gig Tr Prof Zabol** 1981 Sep;(9):53–5 **(Rus)**

[Sensitizing action of new synthetic dyes intended for the printing design of packaging materials used in the food industry] Shvaĭko II, et al. **Vrach Delo** 1982 Apr;(4):104–6 **(Rus)**

[Optimization of the freezing process by load] Barreiro Méndez JA, et al. **Arch Latinoam Nutr** 1981 Sep; 31(3):518–30 (Eng. Abstr.) **(Spa)**

[Effect of the position of the container in the retention of nutrients in food models heated by natural convection] Barreiro Méndez JA, et al. **Arch Latinoam Nutr** 1981 Sep; 31(3):531–49 (Eng. Abstr.) **(Spa)**

MANPOWER

The food technologist in today's society. Goldenberg N. **R Soc Health J** 1982 Apr;102(2):47–9, 52

METHODS

Fish silage: a review. Raa J, et al. **CRC Crit Rev Food Sci Nutr** 1982;16(4):383–419 (145 ref.)

STANDARDS

The role of technology in food distribution systems in developing countries. Wallerstein MB. **Prog Clin Biol Res** 1981;67:449–58

[The common market and the public health] Custot F. **Bull Acad Natl Med (Paris)** 1981 Mar;165(3):307–13 (Eng. Abstr.) **(Fre)**

FOOT

Intractable foot pain following frostbite: case report. Kumar VN. **Arch Phys Med Rehabil** 1982 Jun;63(6):284–5

Foot and ankle manifestations of Reiter's syndrome. Chand Y, et al. **Foot Ankle** 1980 Nov;1(3):167–72

The foot and ankle in multiple hereditary exostoses. Jahss MH, et al. **Foot Ankle** 1980 Nov;1(3):128–42

Intravenous regional anaesthesia of the bovine foot. Edwards GB. **In Pract** 1981 Nov;3(6):13–4

Arteriovenous fistula in the metatarsal pad of a dog: a case report. Jones DG, et al. **J Small Anim Pract** 1981 Oct; 22(10):635–9

Properties of single motor units of the extensor digitorum brevis in elderly humans. Borg J. **Muscle Nerve** 1981 Sep–Oct;4(5):429–34

Pedal artery bypass for limb salvage. Verta MJ Jr. **Surg Gynecol Obstet** 1982 Sep;155(3):401–5

[Aseptic necrosis of bone following phalanga torture] Bro-Rasmussen F, et al. **Ugeskr Laeger** 1982 Apr 19; 144(16):1165–6 (Eng. Abstr.) **(Dan)**

[Isolated tonic ambulatory flexion of the foot (author's transl)] Boisson D, et al. **Rev Neurol (Paris)** 1981; 137(12):807–15 (Eng. Abstr.) **(Fre)**

ABNORMALITIES

Symphalangism with multiple anomalies of the hands and feet: a new genetic trait. Learman Y, et al. **Am J Med Genet** 1981;10(3):245–55

Brachydactyly with major involvement of proximal phalanges. Fujimoto A, et al. **Clin Genet** 1982 Feb; 21(2):107–11

Epidemiological survey of foot problems in the continental United States: 1978–1979. Gould N, et al. **Foot Ankle** 1980 Jul;1(1):8–10

Genetic considerations of foot anomalies in office practice. Wein BK, et al. **Foot Ankle** 1982 Jan;2(4):185–9

Thoughts on in-toeing and out-toeing: twenty years' experience with over 5000 cases and a review of the literature. Weseley MS, et al. **Foot Ankle** 1981 Jul; 2(1):49–57 (39 ref.)

Bilateral femoral dysgenesis with micrognathia, cleft palate, anomalies of the spine and pelvis, and foot deformities. Clinical and radiological findings. Burck U, et al. **Helv Paediatr Acta** 1981 Nov;36(5):473–82

Extraordinary aplasia cutis congenita, or a new entity? Portnoy Y, et al. **Helv Paediatr Acta** 1981 Jul;36(3):281–5

Age, area, and acheiropody. Morton NE, et al. **Hum Genet** 1981;57(4):420–2

Metatarsalgia due to insufficient support by the first ray. Meyer JM, et al. **Int Orthop** 1981;5(3):193–201

A podiatric presentation of diastematomyelia. Tax HR, et al. **J Am Podiatry Assoc** 1982 Jul;72(7):337–41

Diplopodia with double fibula and agenesis of tibia. A case report. Narang IC, et al. **J Bone Joint Surg [Br]** 1982; 64(2):206–9

Separating monosomy-21 from the 'arthrogryposis basket'. Houston CS, et al. **J Can Assoc Radiol** 1981 Dec; 32(4):220–3

Separating Larsen syndrome from the 'arthrogryposis basket'. Houston CS, et al. **J Can Assoc Radiol** 1981 Dec; 32(4):206–14

Syndrome of imperforate anus, abnormalities of hands and feet, satyr ears, and sensorineural deafness. Walpole IR, et al. **J Pediatr** 1982 Feb;100(2):250–2

A survey of foot and ankle morbidity during a National Guard Reserve annual training period. Black JR. **Milit Med** 1981 Oct;146(10):694–5

Children's foot problems. Trott AW. **Orthop Clin North Am** 1982 Jul;13(3):641–54

Shoe inserts for small deformed feet. Platts RG, et al. **Prosthet Orthot Int** 1982 Aug;6(2):108–10

[Osteotomy of the os calcis in children. Technique, indications and results. Discussion of sixty-nine cases (author's transl)] Benghachem M, et al. **Ann Chir** 1982 Mar; 36(3):215–20 (Eng. Abstr.) **(Fre)**

[Prevalence and prognostic significance of abnormal foot configurations at birth (author's transl)] Giacobbi D, et al. **Ann Pediatr (Paris)** 1982 May;29(5):307–9 **(Fre)**

[A transitional form of cheirolumbar dysostosis (author's transl)] Wackenheim A, et al. **J Belge Radiol** 1981; 64(2):179–88 (Eng. Abstr.) **(Fre)**

[A case of bilateral bifid foot associated with ectrodactyly of the upper limbs] Biggi F, et al. **Chir Ital** 1982 Feb; 34(1):164–71 **(Ita)**

[Faciodigitogenital (Aarskog-Scott) syndrome] Fragoso R, et al. **Bol Med Hosp Infant Mex** 1982 Apr;39(4):291–5 (Eng. Abstr.) **(Spa)**

ANALYSIS

A comparison of lizard claw keratin proteins with those of avian beak and claw. Gillespie JM, et al. **J Mol Evol** 1982; 18(2):121–9

ANATOMY & HISTOLOGY

The tendon sheaths and synovial bursae of the foot. By Gustav Schwalbe, 1896. Translated by Hartmann. **Foot Ankle** 1981 Mar;1(5):246–69

Surgical principles based on anatomy of the foot: preoperative planning. Acton R. **Foot Ankle** 1982 Jan; 2(4):200–4

Standardizing methods of measurement of foot shape by including the effects of subtalar rotation. Cobey JC, et al. **Foot Ankle** 1981 Jul;2(1):30–6

A review of current concepts on the evolution of the human foot. Laitman JT, et al. **Foot Ankle** 1982 Mar;2(5):284–90

Plantar fascial spaces of the foot and a proposed surgical approach. Loeffler RD Jr, et al. **Foot Ankle** 1980 Jul; 1(1):11–4

Concerning the architectural structure of the connective tissue in the human sole. Tietze A. **Foot Ankle** 1982 Mar; 2(5):252–9

Restricted energy intake and elevated calcium and phosphorus intake for gilts during growth. I. Feedlot performance and foot and leg measurements and scores during growth. Calabotta DF, et al. **J Anim Sci** 1982 Mar; 54(3):565–75

[Morphologic characteristics of the lower part of the calcaneus and its role in the formation of the foot arch] Mravaljević D, et al. **Srp Arh Celok Lek** 1982 Nov; 109(11):1485–93 (Eng. Abstr.) **(Scc)**

BLOOD SUPPLY

Rhythmic variations of venous pressure in the human foot. Noddeland H, et al. **Acta Physiol Scand** 1981 Sep; 113(1):125–7

Vasomotion in chicken foot: dual innervation of arteriovenous anastomoses. Hillman PE, et al. **Am J Physiol** 1982 May;242(5):R582–90

Doppler evaluation of the pedal arch. Roedersheimer LR, et al. **Am J Surg** 1981 Nov;142(5):601–4

Relationship between the radioisotope test using 131I-labelled serum albumin and plethysmographic blood flow measurements in the study of the circulation in the foot. Cuypers Y, et al. **Angiology** 1981 Nov;32(11):742–51

The in vivo determination of the blood volume in the foot using a mercury strain gauge plethysmograph and I-131 labelled serum albumin. Colemont L, et al. **Cardiovasc Res** 1981 May;15(5):262–7

Management of severe foot ischemia by low lumbar selective ganglionectomy. Chavatzas D. **Cardiovasc Res Cent Bull** 1980 Apr–Jun;18(4):90–3

Venous oxygenation in the diabetic neuropathic foot: evidence of arteriovenous shunting? Boulton AJ, et al. **Diabetologia** 1982 Jan;22(1):6–8

Blood flow in the diabetic neuropathic foot. Edmonds ME, et al. **Diabetologia** 1982 Jan;22(1):9–15

Arteriography before toe to hand free tissue transfer operation. Hekali P, et al. **Eur J Radiol** 1981 Nov;1(4):285–7

Applications of Doppler ultrasound to foot and ankle care. Kwong PK. **Foot Ankle** 1982 Jan;2(4):220–3

The dysvascular foot: a system for diagnosis and treatment. Wagner FW Jr. **Foot Ankle** 1981 Sep;2(2):64–122

Changes in intravascular pressure in the thigh and foot under the influence of posture. Katkov VE, et al. **Hum Physiol** 1981 Mar–Apr;7(2):110–4

Arteriography in club foot. Greider TD, et al. **J Bone Joint Surg [Am]** 1982 Jul;64(6):837–40

Lower extremity circulatory studies utilizing radioisotopes. Riegelhaupt RW, et al. **J Foot Surg** 1982 Summer; 21(2):86–90

Management of ischemia of the foot beyond arterial reconstruction. Tracy GD, et al. **Surg Gynecol Obstet** 1982 Sep;155(3):377–9

[Foot blood flow measured with the aid of plethysmograph Fluvoscript Forte (author's transl)] Spáčil J, et al. **Cas Lek Cesk** 1981 Sep 10;120(36):1083–6 (Eng. Abstr.) **(Cze)**

[Increase in capillary blood flow in subcutaneous layers in the foot during reactive hyperemia] Spáčil J, et al. **Vnitr Lek** 1981 Sep;27(9):834–7 (Eng. Abstr.) **(Cze)**

[Arterial surgery in patients with severe ischemia in the feet. Minimal increase n distal systolic blood pressure in partial arterial reconstructive operations] Noer I, et al. **Ugeskr Laeger** 1981 Nov 30;143(49):3278–9 (Eng. Abstr.) **(Dan)**

[Congenital arteriovenous fistula with an angioma. Therapeutic possibilities] Lechner W. **Hautarzt** 1982 Mar; 33(3):152–5 (Eng. Abstr.) **(Ger)**

[On the exact representation of digital arteries of hands and feet (author's transl)] Platzbecker H, et al. **Radiol Diagn (Berl)** 1982 Mar;23(2):272–8 **(Ger)**

[Distal arterio-venous bypass to the vena saphena pedis in the treatment severe ischemic syndrome without direct reconstruction possibilities] Lengua F, et al. **Vasa** 1981; 10(3):227–9 (Eng. Abstr.) **(Ger)**

[Plethysmographic researches on the beginning and duration of the pharmacological action of an isosorbide dinitrate drugs with prolonged action (author's transl)] Bartolo M, et al. **G Ital Cardiol** 1981;11(9):1283–7 (Eng. Abstr.) **(Ita)**

[Microcirculatory bed in chronic arterial obliteration] Bytka PF, et al. **Arkh Anat Gistol Embriol** 1982 Jun;82(6):49–55 (Eng. Abstr.) **(Rus)**

[Possibilities of infrared thermography in the differential diagnosis of functional and organic stages of microangiopathy in diabetes mellitus] Zykova TA, et al. **Probl Endokrinol (Mosk)** 1981 Sep–Oct;27(5):29–31 (Eng. Abstr.) **(Rus)**

INJURIES

Delayed gangrene after lightning strike. Ehsan M, et al. **Am Fam Physician** 1981 Nov;24(5):117–9

Correction of equinus deformity following midtarsal amputation by tibiotalar arthrodesis: a case report. Zaricznyj B. **Clin Orthop** 1981 Oct;(160):222–6

Epidemiological survey of foot problems in the continental United States: 1978–1979. Gould N, et al. **Foot Ankle** 1980 Jul;1(1):8–10

Sural nerve entrapment by avulsion fracture of the base of the fifth metatarsal bone. Gould N, et al. **Foot Ankle** 1981 Nov;2(3):153–5

Ankle and foot injuries in an aircraft crash. Horne JG, et

al. **Foot Ankle** 1980 Sep;1(2):110–1
Cephalic tetanus. Gupta KB, et al. **Indian Pediatr** 1981 Jul; 18(7):495–6
The foot and ankle: one year's experience: Part I. Millard IL. **J Arkansas Med Soc** 1982 Jun;79(1):59–62
Physical therapy: its use in podiatry. Feldman RS, et al. **J Foot Surg** 1981 Summer;20(2):102–7 (19 ref.)
Microvascular free flaps for the treatment of avulsion injuries of the feet in children. Iwaya T, et al. **J Trauma** 1982 Jan; 22(1):15–9
Surgical options in the repair of lower-extremity soft-tissue wounds. Smith DJ Jr, et al. **J Trauma** 1982 May; 22(5):374–81
Skeletal trauma from chain-saw injuries. Verow PW. **J Trauma** 1982 Apr;22(4):320–2
Influence of venous congestion on blood-lymph transport of fluid and large molecules in the heat-injured dog's paw. Renkin EM, et al. **Lymphology** 1981 Sep;14(3):113–7
Techniques in the evaluation and treatment of the injured runner. Brody DM. **Orthop Clin North Am** 1982 Jul; 13(3):541–58
Management of Pseudomonas osteochondritis complicating puncture wounds of the foot. Jacobs RF, et al. **Pediatrics** 1982 Apr;69(4):432–5
[Injuries of children sustained on escalators] Kabelka M. **Rozhl Chir** 1982 Apr;61(4):212–4 (Eng. Abstr.) **(Cze)**
[Free omental autotransplant for emergency treatment of a crushed foot (author's transl)] Vinard JL, et al. **Chirurgie** 1981;107(9):685–91 (Eng. Abstr.) **(Fre)**
[Guidelines in the treatment of fractures. 1. Lower extremities. 2. Lower leg—foot] von Gumppenberg S, et al. **Fortschr Med** 1982 Jun 3;100(21):981–7 **(Ger)**
[Medical opinion about injuries in the foot area (author's transl)] Probst J. **Langenbecks Arch Chir** 1981;355:449–54 (Eng. Abstr.) **(Ger)**
[Fresh ligament injuries at upper ankle joint and foot (author's transl)] Schweiberer L, et al. **Langenbecks Arch Chir** 1981; 355:435–42 (Eng. Abstr.) **(Ger)**
[Post-traumatic myositis ossificans] Altieri E, et al. **Chir Organi Mov** 1981 May-Jun;66(3):415–20 (Eng. Abstr.) **(Ita)**
[Reimplantation of peripheral parts of the extremities. 808 cases and functional results] Ingianni G, et al. **Minerva Chir** 1981 Oct 31;36(20):1337–44 (Eng. Abstr.) **(Ita)**
[Transosseous irrigations in the treatment of infected wounds in children] Koptleuov AZh. **Vestn Khir** 1981 Dec; 127(12):103–5 (Eng. Abstr.) **(Rus)**

INNERVATION

Study on influences of the plantar mechanoreceptor on body sways. Okubo J, et al. **Agressologie** 1980;21(D):61–9
The mechanism for equilibration and sway of the center of gravity in neurological diseases. Effect of the plantar pressure receptor on body sway in spino-cerebellar degeneration. Okubo J, et al. **Agressologie** 1980;21(D):71–81
The cold foot symptom in sciatica. A clinical and thermographic study. Lindholm RV, et al. **Ann Chir Gynaecol** 1981;70(4):176–81
The role of the plantar mechanoreceptor in equilibrium control. Watanabe I, et al. **Ann NY Acad Sci** 1981; 374:855–64
Cortical potentials associated with voluntary foot movement in man. Shibasaki H, et al. **Electroencephalogr Clin Neurophysiol** 1981 Dec; 52(6):507–16
Facilitation of transmission in Ib pathways by cutaneous afferents from the contralateral foot sole in man. Bergego C, et al. **Neurosci Lett** 1981 Dec 23;27(3):297–301
[Hereditary synkinesis in three generations (author's transl)] Heuser M. **Nervenarzt** 1981 Aug;52(8):448–52 **(Ger)**

PATHOLOGY

[Skin necrosis after ascending leg phlebography] Kinnunen J, et al. **ROFO** 1982 Jan;136(1):104–5 **(Ger)**
[Primary thrombocythemia associated with severe gangrene (author's transl)] Hashimoto Y, et al. **Nippon Naika Gakkai Zasshi** 1981 Jul;70(7):1001–6 **(Jpn)**

PHYSIOLOGY

Electromyographic findings in the intrinsic muscles of normal feet. Gatens PF, et al. **Arch Phys Med Rehabil** 1982 Jul; 63(7):317–8
An analysis of soft tissue loading in the foot—a preliminary report. Nakamura S, et al. **Bull Prosthet Res** 1981 Spring; 18(1):27–34
Biomechanical approach to the treatment of foot problems. Mann RA. **Foot Ankle** 1982 Jan;2(4):205–12
Functional anatomy of the horse's foot. Steven D. **In Pract** 1981 Jul;3(4):22–7
Measurement of pedal loading in bicycling: II. Analysis and results. Davis RR, et al. **J Biomech** 1981;14(12):857–72
A system for measuring dynamic pressure distribution under the human foot. Gerber H. **J Biomech** 1982;15(3):225–7
Measurement of pedal loading in bicycling: I. Instrumentation. Hull ML, et al. **J Biomech** 1981; 14(12):843–56
Characterisation of the dynamic vertical force distribution under the foot. Simkin A, et al. **Med Biol Eng Comput** 1982 Jan;20(1):12–8
[Study of the foot ground pressure pattern in children (author's transl)] Huguenin P, et al. **Rev Chir Orthop** 1981; 67(8):765–70 (Eng. Abstr.) **(Fre)**
[The angle of gait (author's transl)] Brinckmann P. **Z Orthop** 1981 Oct;119(5):445–8 (Eng. Abstr.) **(Ger)**
[A new method for testing for study of foot support] Surace A, et al. **Chir Organi Mov** 1979 Nov-Dec;65(6):729–33 **(Ita)**

PHYSIOPATHOLOGY

Vertical forces acting on the feet of diabetic patients with neuropathic ulceration. Ctercteko GC, et al. **Br J Surg** 1981 Sep;68(9):608–14
Abnormal biomechanics of feet and their cause of hyperkeratoses. Gibbs RC, et al. **J Am Acad Dermatol** 1982 Jun;6(6):1061–9 (21 ref.)
An examination procedure for cavo-adducto-varus. Chesler SM, et al. **J Foot Surg** 1979 Spring;18(1):1–6
Integration of the plantar grasp reflex as an indicator of ambulation potential in developmentally disabled infants. Effgen SK. **Phys Ther** 1982 Apr;62(4):433–5
The dynamic vertical force distribution during level walking under normal and rheumatic feet. Simkin A. **Rheumatol Rehabil** 1981 May;20(2):88–97

RADIOGRAPHY

Radiological findings in the DOOR syndrome. Thomas PS, et al. **Ann Radiol (Paris)** 1982 Jan;25(1):54–8 **(Eng, Fre)**
Graphing the adult foot and ankle. Gould N. **Foot Ankle** 1982 Jan;2(4):213–9
A roentgenographic technique to evaluate and document hindfoot position. Samuelson KM, et al. **Foot Ankle** 1981 Mar;1(5):286–9
Radiographic measurements of the normal adult foot. Steel MW 3d, et al. **Foot Ankle** 1980 Nov;1(3):151–8
Noninvasive technique for the localization of radiopaque foreign bodies. Weinstock RE. **J Foot Surg** 1981 Summer; 20(2):73–5
Assessment of radiographic positioning for the diagnosis of navicular disease in the horse. Rose RJ. **J S Afr Vet Assoc** 1981 Jun;52(2):135–8
[Horizontal beam external total 3/4 projection of the foot during weight-bearing (author's transl)] Chevrot A. **J Radiol** 1981 May;62(5):315–9 (Eng. Abstr.) **(Fre)**
[Osseous changes in the foot bones in patients with arterial occlusion and simultaneous polyneuropathy (author's transl)] Langer R, et al. **Rontgenblatter** 1981 Sep; 34(9):353–7 (Eng. Abstr.) **(Ger)**
[Apparatus for radiography of the foot in the stress position] Bednarek J. **Chir Narzadow Ruchu Ortop Pol** 1981; 46(4):411–3 **(Pol)**

RADIONUCLIDE IMAGING

Scintigraphic evaluation of diabetic osteomyelitis: concise communication. Park HM, et al. **J Nucl Med** 1982 Jul; 23(7):569–73

SURGERY

A neurovascular flap for coverage of distal plantar defects. Riegels-Nielsen P, et al. **Acta Orthop Scand** 1982 Jun; 53(3):495–8
Free serratus anterior muscle and myocutaneous flaps. Takayanagi S, et al. **Ann Plast Surg** 1982 Apr;8(4):277–83
The instep island flap to resurface plantar defects. Harrison DH, et al. **Br J Plast Surg** 1981 Jul;34(3):315–8
The Grice procedure [letter] Banks HH. **Clin Orthop** 1981 Oct;(160):309–11
Boyd amputations in children. Blum CE, et al. **Clin Orthop** 1982 May;(165):138–43
Technique tips: footings. Gould N. **Foot Ankle** 1980 Sep; 1(2):123–6
Technique tips: footings. Gould N. **Foot Ankle** 1981 Mar; 1(5):300–4
Technique tips: footings. Gould N. **Foot Ankle** 1981 Jul; 2(1):58–62
Podiatric anesthesia revisited. Cangialosi CP. **J Am Podiatry Assoc** 1982 Sep;72(9):448–52
Podiatric microsurgery. DeLauro TM, et al. **J Am Podiatry Assoc** 1981 Oct;71(10):560–4
'Do it yourself' disposable skin hooks. Gohil P, et al. **J Am Podiatry Assoc** 1981 Oct;71(10):575–6
Considerations in the determination of the amputation level of the diabetic foot. Johnson RM. **J Am Podiatry Assoc** 1982 Apr;72(4):192–4
Partial foot amputations in children. A comparison of the several types with the Syme amputation. Greene WB, et al. **J Bone Joint Surg [Am]** 1982 Mar;64(3):438–43
The effect of a thigh tourniquet on the incidence of deep venous thrombosis after operations on the fore part of the foot. Simon MA, et al. **J Bone Joint Surg [Am]** 1982 Feb; 64(2):188–91
Podiatric sepsis: current principles of prevention, diagnosis and treatment. Arminio GJ. **J Foot Surg** 1980 Summer; 19(2):98–104 (54 ref.)
Foreign body: a review of two cases. Dowling GL. **J Foot Surg** 1982 Spring;21(1):70–2
Podiatric surgery on the elderly. Gastwirth CM. **J Foot Surg** 1979 Summer;18(2):64–7
A sensory innervated latissimus dorsi musculocutaneous free flap: case report. Dabb RW, et al. **J Microsurg** 1981 Jun; 2(4):289–93
Surgery of foot drop in leprosy by tibialis posterior transfer. Malaviya GN. **Lepr India** 1981 Jul;53(3):360–8
Podiatric Surgery: the need for a second opinion. Finkel ML, et al. **Med Care** 1982 Aug;20(8):862–70

FOOT-AND-MOUTH DISEASE

IMMUNOLOGY

Applicability of conglutinating complement adsorption test to pig serum in foot & mouth disease. Charan S, et al. **Indian J Exp Biol** 1981 Feb;19(2):181–2
A note on assessment of post-challenge viraemia as an index of protective immunity in pigs against foot-and-mouth disease. Charan S, et al. **Zentralbl Veterinarmed [B]** 1981; 28(3):260–2

MICROBIOLOGY

Biochemical identification of viruses causing the 1981 outbreaks of foot and mouth disease in the UK. King AM, et al. **Nature** 1981 Oct 8;293(5832):479–80

OCCURRENCE

The 1975 foot-and-mouth disease epidemic in Malta. II: The detection of carriers and inapparent infection. Garland AJ, et al. **Br Vet J** 1981 Jul-Aug;137(4):381–7
The 1975 foot-and-mouth disease epidemic in Malta. IV: Analysis of the epidemic. Sellers RF, et al. **Br Vet J** 1981 Nov;137(6):608–20
It came out of the sky. Chubb D. **VM SAC** 1981 May; 76(5):650

PREVENTION & CONTROL

The 1975 foot-and-mouth disease epidemic in Malta. III. serological response of cattle, sheep, goats, and pigs to type O vaccine. Garland AJ, et al. **Br Vet J** 1981 Sep-Oct; 137(5):507–12
Vesicular diseases: recent advances and concepts of control. Watson WA. **Can Vet J** 1981 Oct;22(10):311–20 (39 ref.)
Protection against foot-and-mouth disease by immunization with a chemically synthesized peptide predicted from the viral nucleotide sequence. Bittle JL, et al. **Nature** 1982 Jul 1;298(5869):30–3
Cloned viral protein vaccine for foot-and-mouth disease: responses in cattle and swine. Kleid DG, et al. **Science** 1981 Dec 4;214(4525):1125–9

TRANSMISSION

The pathogenesis of natural and simulated natural foot-and-mouth disease infection in cattle. Burrows R, et al. **J Comp Pathol** 1981 Oct;91(4):599–609
Tracing outbreaks of foot-and-mouth disease [news] Brooksby JB. **Nature** 1981 Oct 8;293(5832):431–2
Use of prediction models to forecast and analyse airborne spread during the foot-and-mouth disease outbreaks in Brittany, Jersey and the Isle of Wight in 1981. Donaldson AI, et al. **Vet Rec** 1982 Jan 16;110(3):53–7
Forecasting the airborne spread of foot-and-mouth disease. Gloster J, et al. **Vet Rec** 1981 Apr 25;108(17):370–4
Long distance transport of foot-and-mouth disease virus over the sea. Gloster J, et al. **Vet Rec** 1982 Jan 16; 110(3):47–52

FOOT-AND-MOUTH DISEASE VIRUS

Thermal stability of foot-and-mouth disease virus. Doel TR, et al. **Arch Virol** 1981;70(1):21–32

ANALYSIS

Application of RNase T1 one- and two-dimensional analyses to the rapid identification of foot-and-mouth disease viruses. La Torre JL, et al. **Infect Immun** 1982 Apr; 36(1):142–7

CLASSIFICATION

Serological differentiation of foot-and-mouth disease virus on electron microscope grids coated with protein A and antibody. Polatnick J, et al. **Can J Comp Med** 1981 Jul; 45(3):275–8
Differentiation of foot-and-mouth disease virus strains using a competition enzyme-linked immunosorbent assay. Abu Elzein EM, et al. **J Virol Methods** 1982 Jan;3(6):355–65
Biochemical identification of viruses causing the 1981 outbreaks of foot and mouth disease in the UK. King AM, et al. **Nature** 1981 Oct 8;293(5832):479–80
Foot-and-mouth disease typing and serology in Zimbabwe. Blackburn NK. **Trop Anim Health Prod** 1982 May; 14(2):101–3

ENZYMOLOGY

Identification of a protein kinase activity in purified foot-and-mouth disease virus. Grubman MJ, et al. **J Virol** 1981 Aug;39(2):455–62
Characterization of a 70S polyuridylic acid polymerase isolated from foot-and-mouth disease virus-infected cells. Polatnick J, et al. **J Virol** 1981 Dec;40(3):881–9

GENETICS

The genetics of aphthovirus. Brief review. McCahon D.

Arch Virol 1981;69(1):1-23 (59 ref.)

The nucleotide sequence of cDNA coding for the structural proteins of foot-and-mouth disease virus. Boothroyd JC, et al. **Gene** 1982 Feb;17(2):153-61

Three strains of European foot-and-mouth disease virus are highly conserved in the 3'-termini and highly variable in the genes of two capsid proteins. Marquardt O. **J Gen Virol** 1982 Apr;59(Pt 2):283-94

Biochemical evidence of recombination within the unsegmented RNA genome of aphthovirus. King AM, et al. **J Virol** 1982 Jan;41(1):66-77

Guanidine-resistant mutants of aphthovirus induce the synthesis of an altered nonstructural polypeptide, P34. Saunders K, et al. **J Virol** 1982 May;42(2):389-94

Production in B. subtilis of hepatitis B core antigen and a major antigen of foot and mouth disease virus. Hardy K, et al. **Nature** 1981 Oct 8;293(5832):481-3

Temperature-sensitive RNA polymerase mutants of a picornavirus. Lowe PA, et al. **Proc Natl Acad Sci USA** 1981 Jul;78(7):4448-52

Translation of foot-and-mouth disease virion RNA and processing of the primary cleavage products in a rabbit reticulocyte lysate. Grubman MJ, et al. **Virology** 1982 Jan 15;116(1):19-30

GROWTH & DEVELOPMENT

Sensitivity of seven different types of cell cultures to three serotypes of foot-and-mouth disease virus. House JA, et al. **Can J Comp Med** 1982 Apr;46(2):186-9

The pathogenesis of natural and simulated natural foot-and-mouth disease infection in cattle. Burrows R, et al. **J Comp Pathol** 1981 Oct;91(4):599-609

IMMUNOLOGY

Relationship between plaque size and the immunising ability of the foot-and-mouth disease virus SAT 1 Nig 10/75. Preston KJ, et al. **Arch Virol** 1981;70(1):63-7

The 1975 foot-and-mouth disease epidemic in Malta. III. serological response of cattle, sheep, goats, and pigs to type O vaccine. Garland AJ, et al. **Br Vet J** 1981 Sep-Oct; 137(5):507-12

Antibody titres to African horse sickness, swine vesicular disease and foot-and-mouth disease viruses in samples from Equidae in Malta, 1975. Garland AJ, et al. **Br Vet J** 1982 May-Jun;138(3):258-63

Quantification, characterisation and safety testing of foot-and-mouth disease virus antigens eluted from alhydrogel vaccines. Visser N, et al. **Dev Biol Stand** 1981; 50:277-83

Qualitative assessment of 146 S particles of foot-and-mouth disease virus in preparations destined for vaccines. Doel TR, et al. **J Biol Stand** 1982 Apr;10(2):69-81

Sources of variations encountered during the selection and production of three strains of FMD virus for the development of vaccine for use in Nigeria. Preston KJ, et al. **J Biol Stand** 1982 Jan;10(1):35-43

Neutralization of foot-and-mouth disease virus. I. Sensitization of the 140S virion by antibody also reactive with the 12S protein subunit. Hardy MM, et al. **J Gen Virol** 1981 Aug;55(Pt 2):415-27

Location and characterization of the antigenic portion of the FMDV immunizing protein. Strohmaier K, et al. **J Gen Virol** 1982 Apr;59(Pt 2):295-306

Stimulation by heterotypic antigens of foot-and-mouth disease virus antibodies in vaccinated cattle. Cartwright B, et al. **Res Vet Sci** 1982 May;32(3):338-42

Antibody response of pigs to foot-and-mouth disease oil emulsion vaccine: the antibody classes involved. Ouldridge EJ, et al. **Res Vet Sci** 1982 May;32(3):327-31

Immunosuppression in bovine trypanosomiasis: response of cattle infected with Trypanosoma congolense to foot-and-mouth disease vaccination and subsequent live virus challenge. Sharpe RT, et al. **Res Vet Sci** 1982 May; 32(3):289-93

Foot-and-mouth disease virus: immunogenicity and structure of fragments derived from capsid protein VP and of virus containing cleaved VP. Bachrach HL, et al. **Vet Microbiol** 1982 May;7(2):85-96

Difference in protective immunity of the tongue and feet of guinea pigs vaccinated with foot-and-mouth disease virus type A12 following intradermolingual and footpad challenge. Knudsen RC, et al. **Vet Microbiol** 1982 May; 7(2):97-107

A note on assessment of post-challenge viraemia as an index of protective immunity in pigs against foot-and-mouth disease. Charan S, et al. **Zentralbl Veterinarmed [B]** 1981; 28(3):260-2

[Combined method (suspension-monolayer) of preparing an inactivated foot-and-mouth disease vaccine] Genov I, et al. **Vet Med Nauki** 1981;18(5):57-63 (Eng. Abstr.) **(Bul)**

[Safety of foot-and-mouth disease vaccines in cell cultures] Tekerlekov P, et al. **Vet Med Nauki** 1982;19(1):21-5 (Eng. Abstr.) **(Bul)**

[Comparative trial of the immunogenic properties of commercial foot-and-mouth virus strains] Tekerlekov P, et al. **Vet Med Nauki** 1981;18(1):19-26 (Eng. Abstr.) **(Bul)**

[Use of the radial immunodiffusion test in the study of foot-and-mouth disease viruses] Tekerlekov P. **Vet Med Nauki** 1981;18(7):41-9 (Eng. Abstr.) **(Bul)**

METABOLISM

Localization of foot-and-mouth disease--RNA synthesis on newly formed cellular smooth membranous vacuoles. Polatnick J, et al. **Arch Virol** 1982;71(3):207-15

Interactions between saponin and 146S particles of foot-and-mouth disease virus. Staple RF, et al. **J Biol Stand** 1982 Apr;10(2):147-56

The adsorption and degradation of foot-and-mouth disease virus by isolated BHK-21 cell plasma membranes. Baxt B, et al. **Virology** 1982 Jan 30;116(2):391-405

PATHOGENICITY

Effect of mutation on the virulence in mice of a strain of foot-and-mouth disease virus. McCahon D, et al. **J Gen Virol** 1981 Jun;54(Pt 2):263-72

PHYSIOLOGY

Variations in the buoyant density of foot-and-mouth disease virus strains. Terry GM, et al. **Arch Virol** 1982;71(4):333-41

Observations and implications of proteolysis in preparations of foot-and-mouth disease virus. Doel TR, et al. **Dev Biol Stand** 1981;50:261-6

The use of highly concentrated purified (by a large scale method) and long term liquid nitrogen stored foot-and-mouth disease viruses for the preparation of vaccines: physico-chemical quality controls and potency tests after storage. Duchesne M, et al. **Dev Biol Stand** 1981; 50:249-59

Vesicular exocytosis of foot- and -mouth disease virus from mammary gland secretory epithelium of infected cows. Blackwell JH, et al. **J Gen Virol** 1981 Sep;56(Pt 1):207-12

Guanidine and heat sensitivity of foot-and-mouth disease virus (FMDV) strains. Nettleton PF, et al. **J Hyg (Lond)** 1982 Aug;89(1):129-38

ULTRASTRUCTURE

Cores in foot-and-mouth disease virus. Dubra MS, et al. **Virology** 1982 Jan 15;116(1):349-53

Heterogeneity of infection-associated particles in foot-and-mouth disease virus. Vasquez C, et al. **Virology** 1981 Oct 30;114(2):370-8

[Molecular biology of the foot-and-mouth disease virus] Dubra MS, et al. **Medicina (B Aires)** 1981;41 Suppl:221-9 (Eng. Abstr.) **(Spa)**

FOOT DEFORMITIES, ACQUIRED

CLASSIFICATION

An appraisal of use of the classifications of disabilities resulting from leprosy in field work and suggestions for improvement. Hasan S. **Lepr India** 1982 Jan;54(1):135-42

DIAGNOSIS

The soleus accessorius muscle. Report of a case. Ayala H, et al. **Acta Orthop Belg** 1982 Mar-Apr;48(2):417-20

An examination procedure for cavo-adducto-varus. Chesler SM, et al. **J Foot Surg** 1979 Spring;18(1):1-6

[Fibromatosis plantaris Ledderhose (Dupuytren's contracture of the foot sole] Villiger KJ. **Schweiz Med Wochenschr** 1982 May 1;112(18):653-8 (Eng. Abstr.) **(Ger)**

[A contribution to the disease pattern of osteolysis (author's transl)] Schalwig J. **Z Orthop** 1981 Oct;119(5):481-5 (Eng. Abstr.) **(Ger)**

ETIOLOGY

Lupus foot. Morley KD, et al. **Br Med J [Clin Res]** 1982 Feb 20;284(6315):557-8

Rheumatoid arthritis in the foot and ankle—diagnosis, pathology, and treatment. The relationship between foot and ankle deformity and disease duration in 50 patients. Spiegel TM, et al. **Foot Ankle** 1982 May;2(6):318-24

Severe pes cavus deformity secondary to Charcot-Marie-Tooth disease: a case report. Fenton CF 3d, et al. **J Am Podiatry Assoc** 1982 Apr;72(4):171-5

[Deformities of the feet after Volkmann's ischemia in the lower limb (author's transl)] Lortat-Jacob A, et al. **Rev Chir Orthop** 1981;67(6):617-24 (Eng. Abstr.) **(Fre)**

[The foot and rotation disorders of the lower limbs] Moyen B, et al. **Rev Chir Orthop** 1982;68(1):57-61 **(Fre)**

[Changes in the foot in aging under different conditions of body stress and in relation to body weight] Brückner L, et al. **ZFA (Dresden)** 1982 May-Jun;37(3):167-70 **(Ger)**

OCCURRENCE

A survey of leprosy deformities in a closed community. Prasad S. **Lepr India** 1981 Oct;53(4):626-33

PHYSIOPATHOLOGY

Kinematics of the foot. Allard P, et al. **Can J Neurol Sci** 1982 May;9(2):119-25

Pseudoequinus. Whitney AK, et al. **J Am Podiatry Assoc** 1982 Jul;72(7):365-71

Electromyographic gait analysis before and after operative treatment for hemiplegic equinus and equinovarus deformity. Waters RL, et al. **J Bone Joint Surg [Am]** 1982 Feb;64(2):284-8

RADIOGRAPHY

Roentgenographic study of cavus foot deformity in Friedreich ataxia patients: preliminary report. Allard P, et al. **Can J Neurol Sci** 1982 May;9(2):113-7

[Radiomorphological results on the skeletal system in arthropathic psoriasis. 1st communication: hand- and foot-bones, other joints (author's transl)] Loreck D, et al. **Radiol Diagn (Berl)** 1981;22(5):651-62 (Eng. Abstr.) **(Ger)**

REHABILITATION

Management of the deformed rheumatoid forefoot. A comparison of conservative and surgical methods. Craxford AD, et al. **Clin Orthop** 1982 Jun;(166):121-6

Compression testing of foamed plastics and rubbers for use as orthotic show insoles. Campbell G, et al. **Prosthet Orthot Int** 1982 Apr;6(1):48-52

SURGERY

Free serratus anterior muscle and myocutaneous flaps. Takayanagi S, et al. **Ann Plast Surg** 1982 Apr;8(4):277-83

Corrective treatment of the Mandarin bound foot. Song R. **Clin Plast Surg** 1982 Jan;9(1):123-6

Treatment of the calcaneocavus foot deformity. Bradley GW, et al. **J Bone Joint Surg [Am]** 1981 Sep;63A(7):1159-66

Plantar release in the correction of deformities of the foot in childhood. Sherman FC, et al. **J Bone Joint Surg [Am]** 1981 Dec;63-A(9):1382-9

A literary review of calcaneal osteotomies in the treatment of valgus deformities. Johnston WB. **J Foot Surg** 1982 Summer;21(2):139-42 (11 ref.)

Surgical correction of severe hammer digit syndrome: a case report. Sharon S, et al. **J Foot Surg** 1979 Summer;18(2):85-6

Acquired hallux varus: a new corrective procedure. Wood WA. **J Foot Surg** 1981 Winter;20(4):194-7

Modifications of the Austin bunionectomy for treatment of metatarsus primus elevatus associated with hallux limitus. Youngswick FD. **J Foot Surg** 1982 Summer;21(2):114-6

Silastic implant aids repair of arthritis foot deformity [news] Macek C. **JAMA** 1982 Mar 12;247(10):1390

The vascularized cutaneous scapular flap. Urbaniak JR, et al. **Plast Reconstr Surg** 1982 May;69(5):772-8

Surgery of the rheumatoid foot: preferable procedures. Lipscomb PR. **Rev Chir Orthop** 1981;67(3):375-82

[Osteotomy of the os calcis in children. Technique, indications and results. Discussion of sixty-nine cases (author's transl)] Benghachem M, et al. **Ann Chir** 1982 Mar; 36(3):215-20 (Eng. Abstr.) **(Fre)**

[Treatment of splayfoot with prolapse of the metatarsal heads by Helal's Oblique Metatarsal Osteotomy (author's transl)] Sarfert D, et al. **Z Orthop** 1982 May-Jun;120(3):272-7 (Eng. Abstr.) **(Ger)**

[Surgery of the rheumatoid forefoot] Luna E, et al. **Chir Ital** 1981 Oct;33(5 Suppl 1):76-87 (9 ref.) (Eng. Abstr.) **(Ita)**

[Baker's operation in correction of spastic equinus deformity of the foot] Cigala F, et al. **Chir Organi Mov** 1979 Sep-Oct; 65(5):519-23 **(Ita)**

[Subastragalar arthrodesis with compression osteosynthesis and immediate prosthesis in treating defective foot stumps] Sanin VG, et al. **Ortop Travmatol Protez** 1981 Jan;(1):45-8 (Eng. Abstr.) **(Rus)**

[One-stage operations on various joints of the leg is severe sequelae of poliomyelitis] Tumian SD, et al. **Ortop Travmatol Protez** 1982 Jan;(1):43-4 **(Rus)**

[Surgical treatment of patients with talipes planus valgus] Gafarov KhZ. **Vestn Khir** 1982 Apr;128(4):111-4 **(Rus)**

THERAPY

Pes planus: radiographic changes with foot orthoses and shoes. Penneau K, et al. **Foot Ankle** 1982 Mar;2(5):299-303

Pathomechanics, gait deviations, and treatment of the rheumatoid foot: a clinical report. Dimonte P, et al. **Phys Ther** 1982 Aug;62(·1148-56

FOOT DERMATOSES

BLOOD

Glycohemoglobin and its relationship to diabetic ulcers. Croft BT, et al. **J Am Podiatry Assoc** 1982 Apr;72(4):176-9

[Hemocoagulation indices in patients with eczema and foot mycosis with allergic manifestations] Korchma NL. **Vestn Dermatol Venerol** 1982 Apr;(4):48-51U **(Rus)**

CHEMICALLY INDUCED

Dermatitis from an azo-dye in industrial leather protective shoes. Ancona A, et al. **Contact Dermatitis** 1982 May; 8(3):220-1

'Purple toes' syndrome. Lebsack CS, et al. **Postgrad Med** 1982 May;71(5):81-4

COMPLICATIONS

A case of carcinoma cuniculatum with coexistant viral plantar wart. Wilkinson JD, et al. **Clin Exp Dermatol** 1981 Nov;6(6):619-23

DIAGNOSIS

Palmoplantar pustulosis: a neurocutaneous disease? Hamann

K. **Acta Derm Venereol (Stockh)** 1982;62(3):258–60
Emphysematous cellulitis in diabetes. Drago JJ, et al. **J Am Podiatry Assoc** 1982 Apr;72(4):200–3
A regional screening approach for common hyperkeratotic foot lesions. Maglietta T, et al. **J Am Podiatry Assoc** 1981 Oct;71(10):557–9
Idiopathic erysipelas. A case presentation. Patton GW, et al. **J Am Podiatry Assoc** 1982 Jan;72(1):18–22
Mycetoma pedis: report of a case clinically simulating malignant melanoma. Sommer TC, et al. **J Am Podiatry Assoc** 1982 Jul;72(7):353–5
Contact dermatitis as a surgical complication. Snyder RJ. **J Foot Surg** 1982 Summer;21(2):153–5 (4 ref.)
[Dermatology: corns and warts] Panaccio F. **Union Med Can** 1981 Oct;110(10):921 **(Fre)**
[Characteristics of the course of foot mycoses depending on the time of year] Kilikeev AA. **Vestn Dermatol Venerol** 1981;(10):50–4 (Eng. Abstr.) **(Rus)**
[Pseudosyringomyelic acropathia ulcero-mutilans et deformans] Koliadenko VG, et al. **Vestn Dermatol Venerol** 1982 Feb;(2):55–9 (Eng. Abstr.) **(Rus)**

DRUG THERAPY

Treatment of plantar warts with acyclovir. Bauer DJ. **Am J Med** 1982 Jul 20;73(1A):313–4
Treatment of pustulosis palmaris et plantaris with oral doses of colchicine. Takigawa M, et al. **Arch Dermatol** 1982 Jul; 118(7):458–60
Failure of colchicine for palmo-plantar pustulosis [letter] Mann RJ. **Br J Dermatol** 1982 Mar;106(3):373
Vitamin E [letter] Grant PD. **Can Med Assoc J** 1982 May 15;126(10):1153
Two years' experience with Tigason treatment of pustulosis palmo-plantaris and eczema keratoticum manuum. Reymann F. **Dermatologica** 1982 Mar;164(3):209–16
Treatment of palmoplantar pustulosis with Tigason. Thune P. **Dermatologica** 1982 Jan;164(1):67–72
Treatment of recurrent bullous eruption of the hand and feet (Weber–Cockayne disease) with topical aluminum chloride [letter] Tkach JR. **J Am Acad Dermatol** 1982 Jun; 6(6):1095–6
Verrucae plantaris—effective treatment with bleomycin: review of the literature and case presentations. Koenig RD, et al. **J Foot Surg** 1982 Summer;21(2):108–10
Glutaraldehyde gel for warts. Scott KW. **Practitioner** 1982 Jul;226(1369):1342–3

ETIOLOGY

Cellulitis caused by Histoplasma organisms in a renal transplant recipient [letter] Cooper PH, et al. **Arch Dermatol** 1982 Jan;118(1):3–4
Chlorphenesin sensitivity. Brown R. **Contact Dermatitis** 1981 May;7(3):162
Dry feet syndrome or juvenile plantar dermatosis. Romaguera C, et al. **Contact Dermatitis** 1982 May; 8(3):219–20
Abnormal biomechanics of feet and their cause of hyperkeratoses. Gibbs RC, et al. **J Am Acad Dermatol** 1982 Jun;6(6):1061–9 (21 ref.)
[Angiomatous cutaneous lesions revealing arteriovenous fistulas (author's transl)] Barrière H, et al. **Sem Hop Paris** 1982 Apr 22;58(16):963–6 (Eng. Abstr.) **(Fre)**
[Etiology and epidemiology of foot mycoses in miners of the Ostrava-Karvina coal basin, Czechoslovak SSR] Nevludová D. **Vestn Dermatol Venerol** 1981 May;(5):57–8 (Eng. Abstr.) **(Rus)**
[Juvenile plantar dermatitis (dry feet syndrome)] Ferrando J, et al. **Actas Dermosifiliogr** 1981 Nov-Dec; 72(11–12):551–6 (Eng. Abstr.) **(Spa)**

IMMUNOLOGY

Assessment of anti-stratum corneum antibody titres in pustulosis palmaris et plantaris. Danno K, et al. **Br J Dermatol** 1982 Aug;107(2):183–8

MICROBIOLOGY

[Frequency of isolation of mixed cultures of fungi in foot mycoses in coal miners of Ostrava–Karvinsky coal basin, CSSR] Nevludova D. **Vestn Dermatol Venerol** 1982 Apr; (4):51–3 **(Rus)**

OCCURRENCE

[Fungal foot infections in young men and factors increasing their susceptibility to the disease] Ratka P. **Pol Tyg Lek** 1981 Aug 17;36(33):1261–3 (Eng. Abstr.) **(Pol)**

PATHOLOGY

Plantar warts recently turned black. Clinical and histopathologic findings. Berman A, et al. **Arch Dermatol** 1982 Jan;118(1):47–51
Piezogenic pedal papules. Lebovits PE, et al. **Cutis** 1982 Mar; 29(3):276–7, 280
Porokeratosis of Mibelli. A perforating disease of the epidermis. Witkowski JA, et al. **Cutis** 1982 Feb;29(2):171–2, 186
[Epidermodysplasia verruciformis] Karalitskiĭ EM, et al. **Vestn Dermatol Venerol** 1982;(1):55–8 (Eng. Abstr.) **(Rus)**
[Keratoderma palmare et plantare and mycosis of the feet] Kuklin VT, et al. **Vestn Dermatol Venerol** 1982 Mar; (3):58–9 (Eng. Abstr.) **(Rus)**
[Epidermolysis bullosa of the hands and feet. Apropos of 2 cases] Giménez M, et al. **Actas Dermosifiliogr** 1981 Jul-Aug;72(7–8):357–60 (Eng. Abstr.) **(Spa)**

PHYSIOPATHOLOGY

Vertical forces acting on the feet of diabetic patients with neuropathic ulceration. Cterctеko GC, et al. **Br J Surg** 1981 Sep;68(9):608–14

PREVENTION & CONTROL

[Prevention of foot mycoses in miners] Nevludová D. **Vestn Dermatol Venerol** 1981;(10):49–50 **(Rus)**
[Disinfection of bathrooms in the prevention of foot dermatophytosis in soldiers] Karadaglić D, et al. **Vojnosanit Pregl** 1982 Jan-Feb;39(1):12–4 **(Scr)**

RADIOTHERAPY

Late effects of X-ray treatment of warts. Veien NK, et al. **J Dermatol Surg Oncol** 1982 Apr;8(4):275–81

SURGERY

The use of amniotic membrane grafting in podiatric office practice. Rudnick SS. **J Am Podiatry Assoc** 1981 Dec; 71(12):679–83

THERAPY

Office treatment of adult foot problems. Cracchiolo A 3d. **Orthop Clin North Am** 1982 Jul;13(3):511–24
Treatment of plantar warts with banana skin [letter] Warzawer-Schwarcz L. **Plast Reconstr Surg** 1981 Dec; 68(6):975–6
Plantar warts. Bart B. **Postgrad Med** 1982 Aug;72(2):251, 255

VETERINARY

[Avian tuberculosis in a free-living buzzard with bumblefoot (author's transl)] van Nie GJ. **Tijdschr Diergeneeskd** 1981 Oct;106(20):1033–6 (Eng. Abstr.) **(Dut)**

FOOT DISEASES

BLOOD

Venous oxygenation in the diabetic neuropathic foot: evidence of arteriovenous shunting? Boulton AJ, et al. **Diabetologia** 1982 Jan;22(1):6–8

CHEMICALLY INDUCED

Isoniazid toxicity as a cause of peripheral neuropathy. Case presentation and discussion. Caselli MA, et al. **J Am Podiatry Assoc** 1981 Dec;71(12):691–3

CLASSIFICATION

Statistical interpretation in podiatry. Block BH, et al. **J Am Podiatry Assoc** 1981 Dec;71(12):671–8

COMPLICATIONS

Pedal morbidity in rheumatic diseases: a clinical study. Black JR, et al. **J Am Podiatry Assoc** 1982 Jul;72(7):360–2
Squamous cell carcinoma as a complication of chronic osteomyelitis. Cappello JC, et al. **J Foot Surg** 1981 Fall; 20(3):136–41
[Congenital arteriovenous fistula with an angioma. Therapeutic possibilities] Lechner W. **Hautarzt** 1982 Mar; 33(3):152–5 (Eng. Abstr.) **(Ger)**

CONGENITAL

[Congenital nodular fibromatosis associated with skeletal malformations] Bordas X, et al. **Med Cutan Iber Lat Am** 1981;9(6):403–8 (Eng. Abstr.) **(Spa)**

DIAGNOSIS

The soleus accessorius muscle. Report of a case. Ayala H, et al. **Acta Orthop Belg** 1982 Mar-Apr;48(2):417–20
Verrucous carcinoma of the foot. Dahukey A, et al. **Ariz Med** 1982 Jan;39(1):24–7
Diagnostic problems: plantar foot pain. Buck PG, et al. **Foot Ankle** 1980 Jul;1(1):59–60
Biomechanical approach to the treatment of foot problems. Mann RA. **Foot Ankle** 1982 Jan;2(4):205–12
General considerations in the examination of the foot and ankle in your patient in office practice. Miller WE. **Foot Ankle** 1982 Jan;2(4):180–4
The dysvascular foot: a system for diagnosis and treatment. Wagner FW Jr. **Foot Ankle** 1981 Sep;2(2):64–122
Lower extremity manifestation of sclerodermatomyositis: a case report. Misner SC. **J Am Podiatry Assoc** 1982 Jun; 72(6):317–8
Squamous cell carcinoma: case report. Brietstein RJ. **J Foot Surg** 1979 Summer;18(2):82–3
Benign sclerotic hemangioma. Brown MR. **J Foot Surg** 1979 Spring;18(1):31–2
The podiatric history and physical examination as an effective diagnostic tool. Cangialosi CP. **J Foot Surg** 1982 Summer; 21(2):146–52 (50 ref.)
Kaposi's sarcoma—an overview. Mazzanti JA, et al. **J Foot Surg** 1980 Summer;19(2):71–3
Keratoacanthoma: case presentation and discussion. Strauss H, et al. **J Foot Surg** 1979 Summer;18(2):72–4
Extraskeletal calcified synoviobursitis. Weiss RF. **J Foot Surg** 1981 Winter;20(4):222–3
An unusual case of Hemophilus influenzae infection. Sittelman M, et al. **J Med Soc NJ** 1981 Jul;78(7):530–1
[Familial acropathia ulcero-mutilans] Pit'hová B, et al. **Cesk Neurol Neurochir** 1981 Nov;44(6):410–4 (Eng. Abstr.) **(Slo)**

DRUG THERAPY

Another approach to the management of lower extremity ulcerations. Brenner MA. **J Am Podiatry Assoc** 1982 Feb; 72(2):79–83
Oral antibiotics in pedal infections. Green RA. **J Foot Surg** 1980 Summer;19(2):105–8
Closed catheter technique in wound sepsis: report of cases. Bodell JE. **JAOA** 1982 Apr;81(8):561–4
Studies on platelet aggregation and antiplatelet therapy in blackfoot disease. Chen WY, et al. **Taiwan I Hsueh Hui Tsa Chih** 1981 Sep;80(9):873–83
[Favorable role of a local therapeutic agent (Dextranomer or Debrisan) in the preparation of leprous plantar perforating ulcers for surgery] Boucher P, et al. **Acta Leprol (Geneve)** 1981 Oct-Dec;85:99–104 **(Fre)**
[Clinical trial of isaxonine in the ulcerous mutilating acropathy of chronic alcoholics (author's transl)] Barrière H. **Nouv Presse Med** 1982 Apr 8;11(16):1275–7 (Eng. Abstr.) **(Fre)**

ETIOLOGY

Office podiatry. Birrer RB, et al. **Am Fam Physician** 1982 Mar;25(3):141–7
Cerebrotendinous xanthomatosis: A cause of cataracts and tendon xanthoma. Swartz M, et al. **Am J Med Sci** 1982 May-Jun;283(3):147–52
Plantar fasciitis in runners. Taunton JE, et al. **Can J Appl Sport Sci** 1982 Mar;7(1):41–4
Infections caused by group F streptococci. Righter J, et al. **Can Med Assoc J** 1981 Nov 1;125(9):1008–10
A case of carcinoma cuniculatum with coexistant viral plantar wart. Wilkinson JD, et al. **Clin Exp Dermatol** 1981 Nov;6(6):619–23
Foot problems in the diabetic. Bessman AN. **Compr Ther** 1982 Jan;8(1):32–7
Rheumatoid arthritis in the foot and ankle—diagnosis, pathology, and treatment. The relationship between foot and ankle deformity and disease duration in 50 patients. Spiegel TM, et al. **Foot Ankle** 1982 May;2(6):318–24
Neuropathy, angiopathy, and sepsis in the diabetic foot. Part one: neuropathy. Arenson DJ, et al. **J Am Podiatry Assoc** 1981 Nov;71(11):618–24
Ulceration in the neurotrophic foot of Hansen's disease. Jones RO. **J Am Podiatry Assoc** 1982 Jun;72(6):299–303
Osteomyelitis and the natural history of disease. A model for approaching podiatric disorders. Lemont H, et al. **J Am Podiatry Assoc** 1982 Jan;72(1):27–30
Universal forefoot ankyloses associated with Reiter's syndrome. A case report. Roth RD, et al. **J Am Podiatry Assoc** 1981 Dec;71(12):684–9
The sclerodermatous foot. Spector FC, et al. **J Am Podiatry Assoc** 1982 Mar;72(3):114–21
An unusual cause of Morton's syndrome—a synovial sarcoma: report of a case. Ueo T, et al. **J Foot Surg** 1979 Spring;18(1):23–5
Metatarsal head pressure (M.H.P.) sores in leprosy patients. Pati L, et al. **Lepr India** 1981 Oct;53(4):588–93
The diabetic foot ulcer: a complex problem with a simple treatment approach. Block P. **Milit Med** 1981 Sep; 146(9):644–6
Polymyositis, prednisone, and pheomycotic cyst. Greis A, et al. **Plast Reconstr Surg** 1981 Oct;68(4):588–92
[The diabetic foot (author's transl)] Sarteel AM, et al. **J Mal Vasc** 1981;6(3):221–4 **(Fre)**
[Acro-osteolysis in leprosy. Apropos of 19 personal cases] Queneau P, et al. **Rev Rhum Mal Osteoartic** 1982 Feb; 49(2):111–9 (Eng. Abstr.) **(Fre)**
[Pain and inflammation of the foot in metabolic osteopathies : new causes of algodystrophy (author's transl)] Arlet P, et al. **Sem Hop Paris** 1982 Jun 3;58(22):1345–7 (Eng. Abstr.) **(Fre)**
[Ulcerative and mutilating acropathy (author's transl)] Métellus J, et al. **Sem Hop Paris** 1982 Jun 17;58(24):1510–2 (Eng. Abstr.) **(Fre)**
[Sudeck's bone atrophy after leg phlebography – a case study of an unusual complication (author's transl)] Grünberg G. **Rontgenblatter** 1982 Aug;35(8):307–8 (Eng. Abstr.) **(Ger)**

FAMILIAL & GENETIC

[A chromosome study on 42 cases of blackfoot disease (author's transl)] Chuang SM, et al. **Taiwan I Hsueh Hui Tsa Chih** 1981 Nov;80(11):1210–6 (Eng. Abstr.) **(Chi)**

MICROBIOLOGY

Neuropathy, angiopathy, and sepsis in the diabetic foot. Part three: sepsis. Arenson DJ, et al. **J Am Podiatry Assoc** 1982 Jan;72(1):35–40

Acute hematogenous osteomyelitis. A case report. Stone RA, et al. **J Am Podiatry Assoc** 1982 Jan;72(1):31–4
Bacteriological study of diabetic foot ulcers. Prabhakar P, et al. **Trop Geogr Med** 1981 Sep;33(3):249–52

OCCURRENCE

Foot problems of the elderly: a hospital survey. Ebrahim SB, et al. **Br Med J [Clin Res]** 1981 Oct 10;283(6297):949–50
Epidemiological survey of foot problems in the continental United States: 1978–1979. Gould N, et al. **Foot Ankle** 1980 Jul;1(1):8–10
Statistical interpretation in podiatry. Block BH, et al. **J Am Podiatry Assoc** 1981 Dec;71(12):671–8
Prevalence of osteoarthritis of the foot. Lemont H, et al. **J Am Podiatry Assoc** 1982 May;72(5):214–6
A survey of foot and ankle morbidity during a National Guard Reserve annual training period. Black JR. **Milit Med** 1981 Oct;146(10):694–5

PATHOLOGY

Florid reactive periostitis of the tubular bones of the hands and feet. A benign lesion which may simulate osteosarcoma. Spjut HJ, et al. **Am J Surg Pathol** 1981 Jul; 5(5):423–33
Bilateral pigmented Bowen's disease of the web-spaces of the feet. Burns DA. **Clin Exp Dermatol** 1981 Jul;6(4):435–7
Carcinoma cuniculatum: a cast metastasizing to skin and lymph nodes. McKee PH, et al. **Clin Exp Dermatol** 1981 Nov;6(6):613–8
Epithelioma cuniculatum, a verrucous carcinoma of the foot. Report of 2 cases. Melo CR, et al. **Dermatologica** 1981; 163(4):338–42
Arthritides affecting the foot: radiographic—pathological correlation. Guerra J, et al. **Foot Ankle** 1982 May; 2(6):325–31 (21 ref.)
Documenting your patient with photography in office practice. Watanabe RS. **Foot Ankle** 1982 Jan;2(4):190–9
Carcinoma (epithelioma) cuniculatum: a clinico-pathological study of nineteen cases and review of the literature. McKee PH, et al. **Histopathology** 1981 Jul;5(4):425–36 (21 ref.)
Clear cell sarcoma of the foot with excision of multiple secondaries–a case report. Yadav SS, et al. **Indian J Med Sci** 1981 Jul;35(7):153–5
Fibrosarcoma of the foot. A case report. Galinski AW, et al. **J Am Podiatry Assoc** 1981 Nov;71(11):631–3
Squamous cell carcinoma of the plantar surface of the foot. Levy M, et al. **J Am Podiatry Assoc** 1982 Sep;72(9):471–2
Localized granuloma annulare involving the feet. Robertozzi C, et al. **J Am Podiatry Assoc** 1982 Feb;72(2):94–7
Kaposi's sarcoma. A digital case and literature review. Stern D, et al. **J Am Podiatry Assoc** 1981 Dec;71(12):694–7
Neurilemmoma of the foot: a case report. Tozzi M, et al. **J Am Podiatry Assoc** 1982 Jun;72(6):318–21
Tumor conference 41: spontaneously disappearing Kaposi's sarcoma. Bart RS, et al. **J Dermatol Surg Oncol** 1982 Apr; 8(4):257–9
A variant of pigmented villonodular tenosynovitis. Ridenour JW, et al. **J Foot Surg** 1982 Summer;21(2):122–6
Vascular leiomyoma. Tsoutsouris GV. **J Foot Surg** 1982 Spring;21(1):37–41 (49 ref.)
Composite melanoma and squamous cell carcinoma. Anguli VC. **J Indian Med Assoc** 1982 Feb 16;78(4):69–70
[Verrucous carcinoma of the sole of the foot] Harms M, et al. **Hautarzt** 1982 Apr;33(4):224–5 **(Ger)**
[Epithelioma cuniculatum. A special form of verrucous carcinoma (author's transl)] Ratzenhofer E. **Wien Klin Wochenschr** 1982 Mar 5;94(5):118–20 (Eng. Abstr.) **(Ger)**
[Epithelioma cuniculatum (author's transl)] Reich H. **Z Hautkr** 1981 Nov 1;56(21):1418–23 (Eng. Abstr.) **(Ger)**
[Epithelioma cuniculatum] Aliaga Boniche A, et al. **Actas Dermosifiliogr** 1981 May-Jun;72(5–6):251–6 (Eng. Abstr.) **(Spa)**

PHYSIOPATHOLOGY

Blood flow in the diabetic neuropathic foot. Edmonds ME, et al. **Diabetologia** 1982 Jan;22(1):9–15

PREVENTION & CONTROL

Prevention and treatment of ulcerations of the foot in unilaterally amputated diabetic patients. Larsen K, et al. **Acta Orthop Scand** 1982 Jun;53(3):481–5
If the shoe fits. Kerle D. **Am J Nurs** 1982 Aug;82(8):1322–5
The shoe counter and the foot. Rossi W. **J Am Podiatry Assoc** 1982 Jun;72(6):326–7

PSYCHOLOGY

Conversion reaction. A case report. Schuberth JM, et al. **J Am Podiatry Assoc** 1982 Feb;72(2):89–92

RADIOGRAPHY

Xeroradiography of the diabetic foot. Popmyhailova H, et al. **Endocrinologie** 1981 Oct–Dec;19(4):249–51
Collagen diseases affecting the foot. Bluestone R. **Foot Ankle** 1982 May;2(6):311–7
Radiologic evaluation of the arthritis foot. Gold RH, et al. **Foot Ankle** 1982 May;2(6):332–41 (23 ref.)
Graphing the adult foot and ankle. Gould N. **Foot Ankle** 1982 Jan;2(4):213–9
Neuropathy, angiopathy, and sepsis in the diabetic foot. Part two: angiography. Arenson DJ, et al. **J Am Podiatry Assoc** 1981 Dec;71(12):661–5
Solitary osteochondroma of a metatarsal. A case report. Fox IM, et al. **J Am Podiatry Assoc** 1982 Mar;72(3):152–4
Lixiscope: a podiatric evaluation. Gorecki GA, et al. **J Am Podiatry Assoc** 1982 Jun;72(6):304–9
Talonavicular joint osteoarthritis (osteoarthrosis). Roth RD. **J Am Podiatry Assoc** 1982 May;72(5):237–43
Non-infective disease of the diabetic foot. Newman JH. **J Bone Joint Surg [Br]** 1981;63B(4):593–6
Aneurysmal bone cysts with emphasis on roentgenologic diagnosis. Kaplan RK, et al. **J Foot Surg** 1981 Winter; 20(4):204–9
The use of computerized tomography in the foot. Ross JA, et al. **J Foot Surg** 1982 Summer;21(2):111–3
Case report 158. Luger AM, et al. **Skeletal Radiol** 1981; 6(4):291–7
Case report 171: metastatic fat necrosis involving the tubular bones of the hands (and probably the feet) secondary to traumatic pancreatitis. Schutte HE, et al. **Skeletal Radiol** 1981;7(2):147–9
The Mortons' toes. Cimmino CV. **Va Med** 1982 May; 109(5):333–4
[Value of a new projection during weight-bearing (Larroque) for studying disorders of the anterior part of the foot (author's transl)] Castinel B, et al. **J Radiol** 1981 May; 62(5):309–13 **(Fre)**
[Aseptic osteochondronecrosis of the 2nd cuneiforme bone (author's transl)] Göblyös P. **Magy Traumatol Orthop Helyreallito Sebesz** 1981; 24(2):143–4 **(Hun)**

RADIONUCLIDE IMAGING

Radionuclide bone scanning in subtalar coalitions: differential considerations. Goldman AB, et al. **AJR** 1982 Mar; 138(3):427–32
Technetium and combined gallium and technetium scans in the neurotrophic foot. Hetherington VJ. **J Am Podiatry Assoc** 1982 Sep;72(9):458–63
The use of computerized tomography in the foot. Ross JA, et al. **J Foot Surg** 1982 Summer;21(2):111–3

RADIOTHERAPY

[Treatment of plantar warts by irradiation with an extracted electron beam] Beliaeva TL, et al. **Vestn Dermatol Venerol** 1981;(10):43–5 (Eng. Abstr.) **(Rus)**

SURGERY

A neurovascular flap for coverage of distal plantar defects. Riegels-Nielsen P, et al. **Acta Orthop Scand** 1982 Jun; 53(3):495–8
Bilateral plantar neurotrophic ulcers treated by transmetatarsal amputation and filleting. Dvir E, et al. **Ann Plast Surg** 1982 Mar;8(3):250–2
The foot-ground pressure distribution following triple arthrodesis. Stein H, et al. **Arch Orthop Trauma Surg** 1981; 98(4):263–9
Peripheral nerve blocks at the knee and ankle in operations for common foot disorders. Kofoed H. **Clin Orthop** 1982 Aug;(168):97–101
Transactions of the Eleventh Annual Meeting of the American Orthopaedic Foot Society, Inc., February 25–26, 1981, Las Vegas, Nevada. Abstracts. **Foot Ankle** 1981 Mar; 1(5):290–7
Treatment of the diabetic foot with exposed os calcis. Jacobs RL, et al. **Foot Ankle** 1980 Nov;1(3):173–8
Morton's neuroma. Preliminary report on neurectomy via transverse plantar incision. Burns AE, et al. **J Am Podiatry Assoc** 1982 Mar;72(3):135–41
Considerations in the determination of the amputation level of the diabetic foot. Johnson RM. **J Am Podiatry Assoc** 1982 Apr;72(4):192–4
A new surgical technique for the correction of Freiberg's deformity. Kehr LE. **J Am Podiatry Assoc** 1982 Mar; 72(3):130–4
Nodular melanoma: review and report of a digital case. Page JC. **J Am Podiatry Assoc** 1981 Oct;71(10):571–4
Melanoma of the foot: a case report. Sebastian K, et al. **J Am Podiatry Assoc** 1982 Jun;72(6):324–5
Myotonia dystrophia: a case report. Suppan RJ, et al. **J Am Podiatry Assoc** 1982 Jun;72(6):310–6
Treatment of resistant ulcers on the plantar surface of the great toe in diabetics. Downs DM, et al. **J Bone Joint Surg [Am]** 1982 Jul;64(6):930–3
Dupuytren's disease of the plantar fascia. Cavolo DJ, et al. **J Foot Surg** 1982 Spring;21(1):12–5
Malignant melanoma of the foot. Charnizon G, et al. **J Foot Surg** 1982 Summer;21(2):101–3
Benign stromal fibromatosis on the dorsum of the foot: a case report. Ejer DM, et al. **J Foot Surg** 1979 Summer; 18(2):83–5
The terminal Syme procedure. Gastwirth BW, et al. **J Foot Surg** 1981 Summer;20(2):95–7
Lipomas: discussion and report of an unusual case. Greenberg GS. **J Foot Surg** 1980 Summer;19(2):68–70
Accessory abductor hallucis: a case report. Haber JA, et al. **J Foot Surg** 1979 Summer;18(2):74–6
Atypical neurilemoma. Haendel C, et al. **J Foot Surg** 1982 Summer;21(2):136–8
Plexiform neurofibroma: a case presentation. Harris MC, et al. **J Foot Surg** 1981 Fall;20(3):124–6
Benign myxomas of the digits: a surgically resistant neoplasm. Sugar MH. **J Foot Surg** 1981 Summer;20(2):67–9
Squamous cell carcinoma of the hallux. Thul JR, et al. **J Foot Surg** 1982 Spring;21(1):61–4
Modifications of the Austin bunionectomy for treatment of metatarsus primus elevatus associated with hallux limitus. Youngswick FD. **J Foot Surg** 1982 Summer;21(2):114–6
Predictive value of distal perfusion pressure in the healing of amputation of the digits and the forefoot. Schwartz JA, et al. **Surg Gynecol Obstet** 1982 Jun;154(6):865–9
[Surgical treatment of the paralytic leprous foot. Apropos of 8 cases treated in New Caledonia] Veran J, et al. **Acta Leprol (Geneve)** 1981 Oct–Dec;85:93–7 **(Fre)**
[Surgical treatment of the diabetic foot] Pin F, et al. **J Mal Vasc** 1981;6(3):233–5 **(Fre)**
[The Cloward technic in triple arthrodesis of the foot] Cozzolino F, et al. **Chir Organi Mov** 1979 Sep–Oct; 65(5):607–10 **(Ita)**
[Treatment of suppurative diseases of the soft tissues in patients with diabetes mellitus] Dalgat DM, et al. **Sov Med** 1982;(4):99–100 **(Rus)**

THERAPY

Policeman's heel [editorial] McConkey B. **Br Med J [Clin Res]** 1981 Nov 14;283(6302):1278–9
Office practice: footwear and orthotic therapy. Cracchiolo A 3d. **Foot Ankle** 1982 Jan;2(4):242–8
Conservative management of the hypersensitive foot in rheumatoid arthritis. Gould JS. **Foot Ankle** 1982 Jan; 2(4):224–9
Office care of the insensitive foot. Jacobs RL, et al. **Foot Ankle** 1982 Jan;2(4):230–7
The management of superficial disorders of the forefoot. Scranton PE Jr. **Foot Ankle** 1982 Jan;2(4):238–41
How to treat the diabetic foot. Owen JA Jr. **Geriatrics** 1982 Mar;37(3):57–8, 63–4, 69
Physical therapy: its use in podiatry. Feldman RS, et al. **J Foot Surg** 1981 Summer;20(2):102–7 (19 ref.)
Transcutaneous nerve stimulation: its significance and applications in podiatry. Grosack MA, et al. **J Foot Surg** 1981 Fall;20(3):127–35
Care of insensitive feet [clinical conference] Miller R, et al. **J Tenn Med Assoc** 1981 Nov;74(11):825–6
Office treatment of adult foot problems. Cracchiolo A 3d. **Orthop Clin North Am** 1982 Jul;13(3):511–24
Children's foot problems. Trott AW. **Orthop Clin North Am** 1982 Jul;13(3):641–54
Evaluation and treatment of soft tissue lesions of the ankle and forefoot using the Cyriax approach: a case report. Woodman RM, et al. **Phys Ther** 1982 Aug;62(8):1144–7
[The diabetic foot: surveillance and treatment (author's transl)] Bohbot S. **J Mal Vasc** 1981;6(3):229–32 **(Fre)**
[Contribution of the specialist in foot surgery to the treatment of the diabetic foot] Lacant G. **J Mal Vasc** 1981;6(3):225–8 (Eng. Abstr.) **(Fre)**
[Volkmann's syndrome of the lower extremity. Early bloodless treatment] Perricone G, et al. **Chir Organi Mov** 1981 May-Jun;66(3):355–8 **(Ita)**

VETERINARY

Non-ossifying fibroma in phalanx of a thoroughbred yearling. Attenburrow DP, et al. **Equine Vet J** 1982 Jan;14(1):59–61
Prothothecosis in a cat. Coloe PJ, et al. **J Am Vet Med Assoc** 1982 Jan 1;180(1):78–9
Pedal bone rotation as a prognostic sign in laminitis of horses. Stick JA, et al. **J Am Vet Med Assoc** 1982 Feb 1; 180(3):251–3
A new neurological rat mutant 'mutilated foot'. Jacobs JM, et al. **J Anat** 1981 Jun;132(Pt 4):525–43
Incidence of foot disorders in cattle. Gogoi SN, et al. **Mod Vet Pract** 1981 Dec;62(12):941–5
Effects of histamine injections on physiological responses to laminitis in cattle exposed to warm and cold temperatures. Takahashi K, et al. **Nippon Juigaku Zasshi** 1981 Apr; 43(2):261–5
The use of Vetrap bandaging tape to manage bovine foot problems. Oetjen BD. **VM SAC** 1981 Jul;76(7):1048–9
The influence of breed, age, body weight and season on digital diseases and hoof size in dairy cows. Andersson L, et al. **Zentralbl Veterinarmed [A]** 1981;28(2):141–51
[Physicochemical properties of the hoof horn in healthy highly productive cows and in those with hoof diseases] Bodurov N, et al. **Vet Med Nauki** 1981;18(3):46–52 (Eng. Abstr.) **(Bul)**
[Incidence of lesions of the sole (author's transl)] Peterse DJ. **Tijdschr Diergeneeskd** 1982 Feb 15;107(4):132–7 (Eng. Abstr.) **(Dut)**
[Ulcerative granulomatous lesions at rat's foot pad by chronic mechanical stimuli—its causative investigations under morphological points of view (author's transl)] Sugiyama M. **Nippon Ronen Igakkai Zasshi** 1981 Sep;18(5):354–60 (Eng. Abstr.) **(Jpn)**

FOOT JOINT see **TARSAL JOINT**

FOOT ROT

DRUG THERAPY

Efficacy of a new oxytetracycline aerosol against foot rot in sheep. Harding RB, et al. **Vet Rec** 1981 Aug 1; 109(5):95–6

FOOTBALL

Pseudovacuum of the cervical intervertebral disc: a normal variant. Daffner RH, et al. **AJR** 1981 Oct;137(4):737–9

Sudden death while playing professional football. Roberts WC, et al. **Am Heart J** 1981 Dec;102(6 Pt 1):1062–3

A chronicle of injuries of an American intercollegiate football team. Canale ST, et al. **Am J Sports Med** 1981 Nov–Dec; 9(6):384–9

Medial collateral ligament injuries in football. Nonoperative management of grade I and grade II sprains. Derscheid GL, et al. **Am J Sports Med** 1981 Nov–Dec;9(6):365–8

Meniscal ossicle. A case report. Mariani PP, et al. **Am J Sports Med** 1981 Nov–Dec;9(6):392–3

A statistical study of physician care patterns in high school football injuries. Pritchett JW. **Am J Sports Med** 1982 Mar–Apr;10(2):96–9

Body density differences between Negro and Caucasian professional football players. Adams J, et al. **Br J Sports Med** 1981 Dec;15(4):257–60

General practitioner to a football club. Carne S. **Br Med J [Clin Res]** 1981 Sep 19;283(6294):766–7

Football head and neck injuries—an update. Maroon JC, et al. **Clin Neurosurg** 1980;27:414–29 (34 ref.)

The Sunday syndrome: from kinetics to altered consciousness. Mandell AJ, et al. **Fed Proc** 1981 Oct; 40(12):2693–8

A statistical study of Knee injuries due to football in high-school athletes. Pritchett JW. **J Bone Joint Surg [Am]** 1982 Feb;64(2):240–2

On the field knee exam for the team physician. Barrett GR. **J Miss State Med Assoc** 1981 Sep;22(9):224–7

Prevention of football injuries–one perspective [editorial] Kimbrough EE. **J SC Med Assoc** 1982 Feb;78(2):109–10

High school football injuries in South Carolina: a computerized survey. Lackland DT, et al. **J SC Med Assoc** 1982 Feb;78(2):75–8

Adjusting mouthguards kinesiologically in professional football players. Smith SD. **NY State Dent J** 1982 May; 48(5):298–301

Cervical spine injuries resulting from collision sports. Kewalramani LS, et al. **Paraplegia** 1981;19(5):303–12

Medical problems in Association football. Sash L. **Practitioner** 1981 Jul;225(1357):1047–50

Significance of lumbar spondylolysis in college football players. Semon RL, et al. **Spine** 1981 Mar–Apr;6(2):172–4

Advances in sports medicine. Prevention of head and neck injuries in football. Reid SE, et al. **Surg Annu** 1981; 13:251–70 (32 ref.)

[Observations and significance of extrasystole in very young athletes] Rossini G, et al. **Acta Biomed Ateneo Parmense** 1982;53(2):85–9 (Eng. Abstr.) **(Ita)**

[Initial observations in a cardiovascular poly-instrumental study of a homogeneous sample of young football players] Rossini G, et al. **Acta Biomed Ateneo Parmense** 1982; 53(2):75–7 (Eng. Abstr.) **(Ita)**

[An unusual case of post-traumatic degeneration of the anterior tibial muscle] Bardelli M, et al. **Arch Putti Chir Organi Mov** 1980;30:403–11 (Eng. Abstr.) **(Ita)**

FORAMEN MAGNUM

Foramen magnum meningioma. Kim KS, et al. **Surg Neurol** 1982 Apr;17(4):287–9

ANATOMY & HISTOLOGY

[Statistical considerations on the angle between the plane of the clivus ossis occipitalis and that of the foramen occipitale magnum (Boogard angle)] Pacini P, et al. **Arch Ital Anat Embriol** 1981;86(1–2):83–107 (Eng. Abstr.) **(Ita)**

PATHOLOGY

Simultaneous cerebral and spinal fluid pressure recordings. 2. Cerebrospinal dissociation with lesions at the foramen magnum. Williams B. **Acta Neurochir (Wien)** 1981; 59(1–2):123–42

FORAMEN OF MONRO see **CEREBRAL VENTRICLES**

FORAMEN OVALE see **HEART SEPTUM**

FORAMEN OVALE, PATENT see **HEART SEPTAL DEFECTS, ATRIAL**

FORCED EXPIRATORY FLOW RATES

Failure of peak expiratory flow rate to predict hospital admission in acute asthma. Martin TG, et al. **Ann Emerg Med** 1982 Sep;11(9):466–70

Pneomometry-induced purpura [letter] Lupton GP. **Arch Dermatol** 1981 Oct;117(10):603

The maximal expiratory flow/volume curve in 197 healthy New Zealanders: a comparison with recent American standards. Macfie AE, et al. **Aust NZ J Med** 1981 Oct; 11(5):517–21

Comparison of peak expiratory flow rate and forced expiratory volume in one second in histamine challenge studies in children. Henry RL, et al. **Br J Dis Chest** 1982 Apr;76(2):167–70

Lung recoil and density dependence of maximum expiratory flow in emphysema. Gelb AF, et al. **Bull Eur Physiopathol Respir** 1981;17(5):793–8

Standard values of the maximal expiratory flow–volume curve normalized by total lung capacity. Hida W, et al. **Bull Eur Physiopathol Respir** 1982 Jan–Feb;18(1):117–29

Significance of intraindividual changes in maximum expiratory flow volume and peak expiratory flow measurements. Lebowitz MD, et al. **Chest** 1982 May; 81(5):566–70

Gastroesophageal reflux observed on flow/volume loop? [letter] Robbins DW. **Chest** 1982 Jun;81(6):772

Assessment of time–volume and flow–volume components of forced vital capacity. Measurement with spirometry, body plethysmography and respiratory inductive plethysmography in nonsmokers and smokers. Sackner MA, et al. **Chest** 1982 Sep;82(3):272–8

Volume-adjustment of MMF: new term needed [letter] Teculescu DB. **Chest** 1981 Dec;80(6):765

The accuracy of peak expiratory flow meters [editorial] van As A. **Chest** 1982 Sep;82(3):263

Flow–volume curves in healthy non-smokers and in smokers. Hedenstierna G, et al. **Clin Physiol** 1981 Aug;1(4):339–48

Is maximum mid-expiratory flow rate sensitive to small airways obstruction? Bake B. **Eur J Respir Dis** 1981 Jun; 62(3):150–1

Peak expiratory flow rate of healthy schoolboys from Punjab. Malik SK, et al. **Indian Pediatr** 1981 Aug;18(8):517–21

Helium–oxygen flow–volume curves in detecting acute response to hair spray. Zuskin E, et al. **Int Arch Occup Environ Health** 1981;49(1):41–4

Steady expiratory flow in dog lungs: an isovolume preparation. Sneddon SL, et al. **J Appl Physiol** 1981 Nov; 51(5):1331–7

Bronchodilatation, lung recoil, and density dependence of maximal expiratory flow. Weiss JW, et al. **J Appl Physiol** 1982 Apr;52(4):874–8

Evaluation of home-monitoring of asthmatic children with the mini-Wright peak flow meter. Battu K, et al. **J Asthma** 1982;19(1):33–7

Symptoms and peak expiratory flow rate: diurnal variation in asthmatic children. Ho TF, et al. **J Singapore Paediatr Soc** 1981;23(1–2):42–6

Maximal expiratory flow–volume relationships before and after eight weeks of endurance training. Farrell PA. **J Sports Med Phys Fitness** 1981 Jun;21(2):145–9

Effect of swimming on forced expiration and sputum clearance in cystic fibrosis. Zach MS, et al. **Lancet** 1981 Nov 28;2(8257):1201–3

Composite flow–volume curves matched at total lung capacity in the study of density dependence of maximal expiratory flows. Teculescu DB, et al. **Lung** 1981; 159(3):127–36

Electronic simulator for the human maximal expiratory flow–volume curve. Jones DP, et al. **Med Biol Eng Comput** 1981 Nov;19(6):783–5

The significance of anatomic dead space as a cause of variability of maximal expiratory flow volume curves. Kurihara N, et al. **Osaka City Med J** 1979;25(2):131–40

Impedance of the lower respiratory system in ducks measured by forced oscillations during normal breathing. Gillespie JR, et al. **Respir Physiol** 1982 Jan;47(1):51–68

Effect of smoking a cigarette on the density dependence of maximal expiratory flow. Taveira Da Silva AM, et al. **Respiration** 1982;43(4):258–62

Study on maximal expiratory flow and volume in Chinese. I. Normal nonsmoking adults. Wu MC. **Taiwan I Hsueh Hui Tsa Chih** 1981 Jan;80(1):19–29

Variation of peak expiratory flow rate [letter] Connolly CK. **Thorax** 1981 Mar;36(3):237–8

Diurnal variation in airflow obstruction in chronic bronchitis. Dawkins KD, et al. **Thorax** 1981 Aug;36(8):618–21

[Measurement of peak expiratory flow rate and its clinical application: a simple pulmonary function test (author's transl)] Shen LY. **Chung Hua Chieh Ho Ho Hu Hsi Hsi Chi Ping Tsa Chih** 1981 Apr;4(2):88–90 **(Chi)**

[The effect of long-acting bronchodilator agents and their repeated administration on respiratory pathway patency in asthmatic children studied in the flow–volume curve method] Zapletal A, et al. **Cesk Pediatr** 1981 Nov; 36(11):626–34 (Eng. Abstr.) **(Cze)**

[Measuring maximal expiratory flow brought to 25–75% of vital capacity, as an epidemiological method in the early detection of obstruction of peripheral airways] Amaral-Marques R, et al. **Bronchopneumologie** 1980 Nov–Dec;30(6):499–507 **(Fre)**

[The value of maximal expiratory flow brought to 25–75% of the vital capacity in the detection of obstruction in the minor airways] Wipf R. **Bronchopneumologie** 1980 Nov–Dec;30(6):485–90 **(Fre)**

[Computerized measurement and modelling of the pulmonary pressure–volume curve (author's transl)] Riou Y, et al. **Bull Eur Physiopathol Respir** 1981 Nov–Dec;17(6):933–47 (Eng. Abstr.) **(Fre)**

[Significance of the study of the critical transmural pressure in analysis of the factors limiting maximal expiratory flow rate] Marsico SA, et al. **Arch Monaldi** 1980 May–Jun; 35(3):97–104 (Eng. Abstr.) **(Ita)**

[FEV1, FEF200–1, 200 ml, FEF25–75% (author's transl)] Kondo T. **Kokyu To Junkan** 1982 May;30(5):471–2 **(Jpn)**

[Flow–volume curve (author's transl)] Sasaki H. **Kokyu To Junkan** 1982 May;30(5):495–7 **(Jpn)**

[The effect of cigarette smoking on the peripheral airways (author's transl)] Nagashima T, et al. **Nippon Kyobu Shikkan Gakkai Zasshi** 1982 Mar; 20(3):286–91 (Eng. Abstr.) **(Jpn)**

[Analysis of MEFV curve with mean time constant (MTC) (author's transl)] Ohya N, et al. **Rinsho Byori** 1981; 29(7):723–8 **(Jpn)**

[Pulmonary functions observed by means of flow–volume curve in welders exposed to ozone (author's transl)] Ohmori K, et al. **Sangyo Igaku** 1981 Jul;23(4):394–400 (Eng. Abstr.) **(Jpn)**

[Calculation of the dynamic error in measuring the maximal forced expiratory flow volume with the PT–1 pneumotachometer] Lopata VA. **Med Tekh** 1982 Jan–Feb; (1):28–35 (Eng. Abstr.) **(Rus)**

[Calculation of reference values for peak expiratory flow rate] Ivanov LA, et al. **Ter Arkh** 1981;53(12):52–4 (Eng. Abstr.) **(Rus)**

[Measurement of circadian rhythm of peak expiratory flow in asthmatic patients. Correlation between peak expiratory flow and partial pressure of O2 and CO2 in arterial blood of asthmatic patients (author's transl)] Sušković S. **Plucne Bolesti Tuberk** 1981 Oct–Dec;33(4):328–36 (Eng. Abstr.) **(Scr)**

[Maximum expiratory flow rate (peak flow) in healthy persons and patients with bronchial asthma] Vargas FS, et al. **Allergol Immunopathol (Madr)** 1982 Mar–Apr; 10(2):91–4 (Eng. Abstr.) **(Spa)**

INSTRUMENTATION

An evaluation of the vitalograph pulmonary monitor. Perks WH, et al. **Br J Dis Chest** 1981 Apr;75(2):161–4

Comparative evaluation of five peak flow devices. Chiaramonte LT, et al. **J Allergy Clin Immunol** 1982 Jun; 69(6):509–15

A Wright peak flow meter in practice. McGuinness BW. **Practitioner** 1982 Jan;226(1363):21

METHODS

Repeatability of the moments of the truncated forced expiratory spirogram. Miller MR, et al. **Thorax** 1982 Mar; 37(3):205–11

STANDARDS

[Reference values of the mean transit time index in a group of healthy non-smokers selected from the general population] Jedrychowski W, et al. **Pneumonol Pol** 1981 Jul;49(7):489–94 (Eng. Abstr.) **(Pol)**

FORCED EXPIRATORY VOLUME

Ventilatory function in normal Nigerian school children. Onadeko BO, et al. **Afr J Med Med Sci** 1979 Mar–Jun; 8(1–2):25–9

Rapidly decreasing forced expiratory volume in one second or vital capacity and development of chronic airflow obstruction. Clément J, et al. **Am Rev Respir Dis** 1982 May; 125(5):553–8

Significance of small airway tests in middle-aged smokers. Nemery B, et al. **Am Rev Respir Dis** 1981 Sep;124(3):232–8

Relation between tracheal size and forced expiratory volume in one second in young men. Osmanliev D, et al. **Am Rev Respir Dis** 1982 Jul;126(1):179–82

The effect of occupational exposure on pulmonary function: a longitudinal evaluation of fire fighters and nonfire fighters. Sparrow D, et al. **Am Rev Respir Dis** 1982 Mar; 125(3):319–22

Maximum or mean FEV1 for bronchodilator aerosol evaluation in acute asthmatics. Madsen BW, et al. **Br J Clin Pharmacol** 1981 Jun;11(6):631–3

Comparison of peak expiratory flow rate and forced expiratory volume in one second in histamine challenge studies in children. Henry RL, et al. **Br J Dis Chest** 1982 Apr;76(2):167–70

Pocket-sized device for measuring forced expiratory volume in one second and forced vital capacity. Chowienczyk PJ, et al. **Br Med J [Clin Res]** 1982 Jul 3;285(6334):15–7

Spirometric predicted values for teenage boys: relation to body composition and exercise performance. Palka MJ. **Bull Eur Physiopathol Respir** 1982 Jan–Feb;18(1):59–64

Decreases in VC and FEV1 with time: indicators for effects of smoking and air pollution. van der Lende R, et al. **Bull Eur Physiopathol Respir** 1981;17(5):775–92

Assessment of time–volume and flow–volume components of forced vital capacity. Measurement with spirometry, body plethysmography and respiratory inductive plethysmography in nonsmokers and smokers. Sackner MA, et al. **Chest** 1982 Sep;82(3):272–8

Time-constant histograms from the forced expired volume signal. Pimmel RL, et al. **J Appl Physiol** 1981 Dec; 51(6):1581–93

Pre- and postoperative lung function after pulmonary resection. Vejlsted H, et al. **Scand J Thorac Cardiovasc Surg** 1982;16(1):87–90

Total effective time of the forced expirogram in disease: sources of error and a correction factor. Jordanoglou J, et al. **Thorax** 1982 Apr;37(4):304–8

[FEVt, FEF200–1, 200 ml, FEF25–75% (author's transl)] Kondo T. **Kokyu To Junkan** 1982 May;30(5):471–2 **(Jpn)**

[The usefulness of the stepwise regression method and the covariance analysis in the study of the FEV1 index (author's transl)] Chlopek H. **Przegl Lek** 1981;38(8):583–6 (Eng. Abstr.) **(Pol)**

FORCED VITAL CAPACITY see **VITAL CAPACITY**

FORCED VITAL CAPACITY, TIMED see **FORCED EXPIRATORY VOLUME**

FOREARM

Controlled prehension and release in the C5 quadriplegic elicited by functional electrical stimulation of the paralyzed forearm musculature. Peckham PH, et al. **Ann Biomed Eng** 1980;8(4–6):369–88

Compartment syndromes of the forearm: diagnosis and treatment. Gelberman RH, et al. **Clin Orthop** 1981 Nov–Dec;(161):252–61

Compartment syndrome of the forearm and hand: a case report. Quigley JT, et al. **Clin Orthop** 1981 Nov–Dec; (161):247–51

Malignant schwannoma in neurofibromatous elephantiasis of the upper extremity. Wehbé MA, et al. **Clin Orthop** 1982 Jul;(167):164–7

Arm pain in a dentist: pronator syndrome. Adelman S, et al. **J Am Dent Assoc** 1982 Jul;105(1):61–2

Iatrogenic soft-tissue calcification in an extremity. A case report. Propst-Proctor SL, et al. **J Bone Joint Surg [Am]** 1982 Mar;64(3):449–50

The forearm flap. Mühlbauer W, et al. **Plast Reconstr Surg** 1982 Sep;70(3):336–44

[Abnormality of the palmaris longus muscle] Mayer E. **Handchirurgie** 1981;13(3–4):263–5 (Eng. Abstr.) **(Ger)**

ABNORMALITIES

Peromelia, ipsilateral subclavian atresia, coarctation, and aneurysms of the aorta resulting from intrauterine vascular occlusion. Robinow M, et al. **J Pediatr** 1982 Jul;101(1):84–7

Ulnar artery thrombosis and ulnar nerve compression associated with an anomalous hypothenar muscle. Weeks PM, et al. **Plast Reconstr Surg** 1982 Jan;69(1):130–1

BLOOD SUPPLY

Radionuclide evaluation of peripheral circulatory dynamics: new clinical application of blood pool scintigraphy for measuring limb venous volume, capacity, and blood flow. Clements IP, et al. **Am Heart J** 1981 Dec;102(6 Pt 1):980–3

Influence of sex difference and oral contraceptives on forearm reactive hyperemia. Webb RC, et al. **Blood Vessels** 1981;18(4–5):161–70

The effects of oral acebutolol and propranolol on forearm blood flow in hypertensive patients. Ireland MA, et al. **Br J Clin Pharmacol** 1981 Sep;12(3):363–8

A comparison of the effects of propranolol and oxprenolol on forearm blood flow and skin temperature. Vandenburg MJ, et al. **Br J Clin Pharmacol** 1981 May;11(5):485–90

Response of forearm resistance vessels to verapamil and sodium nitroprusside in normotensive and hypertensive men: evidence for a functional abnormality of vascular smooth muscle in primary hypertension. Robinson BF, et al. **Clin Sci** 1982 Jul;63(1):33–42

Effect of a lower body negative pressure function test on indices of the peripheral hemodynamics. Kabesheva TA, et al. **Hum Physiol** 1981 Jul–Aug;7(4):290–4

The results of radial and ulnar arterial repair in the forearm. Experience in three medical centers. Gelberman RH, et al. **J Bone Joint Surg [Am]** 1982 Mar;64(3):383–7

Pseudo-aneurysm resulting from traumatic rupture of AV fistula (a case report). Sheth SM, et al. **J Postgrad Med** 1981 Apr;27(2):122B, 123–4

Increased ammonia production during forearm ischemic work test in McArdle's disease. Rumpf KW, et al. **Klin Wochenschr** 1981 Dec 1;59(23):1319–20

Measurement of the blood-pressure constant k, over a pressure range in the canine radial artery. Voelz M. **Med Biol Eng Comput** 1981 Sep;19(5):535–7

Forearm vascular resistance in the upper and lower quintiles of blood pressure in adolescent boys: The Muscatine Study. Mahoney LT, et al. **Pediatr Res** 1982 Feb;16(2):163–5

Forearm plethysmography in normotensive and hypertensive pregnant women. Weinstein L, et al. **South Med J** 1981 Oct;74(10):1230–2

Discriminant arteriographic criteria in the management of forearm and hand ischemia. Erlandson EE, et al. **Surgery** 1981 Dec;90(6):1025–36

Possible evidence for an increased factor VIII antigen synthesis in vascular endothelium of diabetic subjects [letter] Giustolisi R, et al. **Thromb Haemost** 1982 Jun 28; 47(3):293

[Radial artery cannulation — a prospective study on its complication rate by clinical and sonographic evaluation (author's transl)] Hausmann D, et al. **Anasth Intensivther Notfallmed** 1981 Oct;16(5):269–73 **(Ger)**

[Experiences and results in the construction of arterio-venous fistulas after Brescia-Cimino] Halm M, et al. **Z Urol Nephrol** 1981 Sep;74(9):671–4 (Eng. Abstr.) **(Ger)**

[Evaluation of parallel conductor theory for measuring limb blood flow by admittance plethysmography (author's transl)] Fukuoka M, et al. **Iyodenshi To Seitai Kogaku** 1981 Jun;19(3):195–202 (Eng. Abstr.) **(Jpn)**

INNERVATION

The recurrent branch of the lateral cutaneous nerve of the forearm. Horiguchi M. **J Anat** 1981 Mar;132(Pt 2):243–7

Hazard of pneumatic tourniquet application. Durkin MA, et al. **J R Soc Med** 1982 Aug;75(8):658–60

Anatomy of backpack-strap injury [letter] Johnson RJ. **N Engl J Med** 1981 Dec 24;305(26):1594

[Anterior interosseous nerve syndrome. A review with 2 case histories] Jensen NO. **Ugeskr Laeger** 1981 Apr 27; 143(18):1161–3 (Eng. Abstr.) **(Dan)**

[Anastomosis between the median nerve and the cubital nerve in electromyography procedures in man] Duron B, et al. **Electrodiagn Ther** 1980;17(4):247–60 **(Fre)**

MICROBIOLOGY

[Skin flora of the hands, elbow-hollow and fore-arm (author's transl)] Reverdy ME, et al. **Sem Hop Paris** 1982 Jul 1;58(26–27):1617–21 (Eng. Abstr.) **(Fre)**

PHYSIOLOGY

The mechanical behavior of the human forearm in response to transient perturbations. Lacquaniti F, et al. **Biol Cybern** 1982;44(1):35–46

Effect of vibrating agonist or antagonist muscle of the reflex response to sinusoidal displacement of the human forearm. Matthews PB, et al. **J Physiol (Lond)** 1981 Dec;321:297–316

PHYSIOPATHOLOGY

The effect on supination-pronation of angular malalignment of fractures of both bones of the forearm. Matthews LS, et al. **J Bone Joint Surg [Am]** 1982 Jan;64-A(1):14–7

RADIOGRAPHY

[Massive osteolysis (Gorham-Stout's syndrome) with local neurofibromatosis (author's transl)] Lotz W, et al. **ROFO** 1982 Jul;137(1):55–62 (Eng. Abstr.) **(Ger)**

SURGERY

An overview of flaps for hand and forearm reconstruction. Gilbert DA. **Clin Plast Surg** 1981 Jan;8(1):129–39

Entrapment of the posterior interosseous nerve by a fibrous band in the dorsal edge of the supinator muscle and erosion of a groove in the proximal radius. Derkash RS, et al. **J Hand Surg** 1981 Sep;6(5):524–6

The surgery of arm and forearm amputations. Baumgartner RF. **Orthop Clin North Am** 1981 Oct;12(4):805–17

Krukenberg's operation. Tubiana R. **Orthop Clin North Am** 1981 Oct;12(4):819–26

[Use of prolonged conduction anesthesia in the axillary region in operations on the hand and forearm] Lazarev AA, et al. **Ortop Travmatol Protez** 1981 Apr;(4):69–71 (Eng. Abstr.) **(Rus)**

FOREARM INJURIES

Compartment syndromes of the forearm: diagnosis and treatment. Gelberman RH, et al. **Clin Orthop** 1981 Nov–Dec;(161):252–61

Traumatic implantation of a maxillary incisor in the forearm. Blevins C, et al. **Oral Surg** 1982 Apr;53(4):438

COMPLICATIONS

[Combined tendon--nerve injuries on the wrist and on the distal third-part of the forearm (author's transl)] Bíró V, et al. **Magy Traumatol Orthop Helyreallito Sebesz** 1982; 25(1):11–8 **(Hun)**

[So-called obstetrical fractures of the forearm] Perricone G. **Chir Organi Mov** 1980 Jul–Aug;66(4):531–2 **(Ita)**

[Case of Madurella grisea maduromycosis. Study of the strain] Escudero Gil MR, et al. **Actas Dermosifiliogr** 1981 May–Jun;72(5–6):265–70 (Eng. Abstr.) **(Spa)**

ETIOLOGY

Lawn mower arm [letter] von Lichtenberg F. **N Engl J Med** 1982 Oct 14;307(16):1027–8

MICROBIOLOGY

Quantitative wound cultures in upper extremity trauma. Cooney WP 3d, et al. **J Trauma** 1982 Feb;22(2):112–7

OCCURRENCE

[Forearm fractures in childhood (author's transl)] Tischer W. **Zentralbl Chir** 1982;107(3):138–48 (Eng. Abstr.) **(Ger)**

RADIONUCLIDE IMAGING

Scintigraphy in acute plastic bowing of the forearm. Miller JH, et al. **Radiology** 1982 Mar;142(3):742

REHABILITATION

Rehabilitation following electrical injury to the upper extremity. Sullivan WG, et al. **Ann Plast Surg** 1981 Nov; 7(5):347–53

SURGERY

Functional results in replantation at the distal forearm: a case report. Nye JE. **Hand** 1982 Feb;14(1):25–9

A case of forearm amputation with additional multilevel partial amputations. Fogdestam I, et al. **Handchirurgie** 1981; 13(1–2):120–5

Late result of successful replantation of an upper limb. Browne HI, et al. **Ir Med J** 1981 Jan;74(1):26–8

The results of radial and ulnar arterial repair in the forearm. Experience in three medical centers. Gelberman RH, et al. **J Bone Joint Surg [Am]** 1982 Mar;64(3):383–7

Upper extremity replantation. Morgan RF, et al. **Md State Med J** 1981 Aug;30(8):28–30

Free, innervated gracilis myocutaneous flap. Conklin WT, et al. **Penn Med** 1982 Apr;85(4):70–1

[Emergency treatment of ligament injuries of the hand and lower arm] **Hefte Unfallheilkd** 1981;153:325–61 **(Ger)**

[Results of replantation surgery of the upper extremity (author's transl)] Meyer VE, et al. **Ther Umsch** 1981 Dec; 38(12):1138–43 (Eng. Abstr.) **(Ger)**

[Indication technic of microsurgical revascularization in the forearm and hand area] Meyer VE. **Z Unfallmed Berufskr** 1982;75(1):29–44 **(Ger)**

[Late results of osteosynthesis in forearm fractures in childhood (author's transl)] Kurz W, et al. **Zentralbl Chir** 1982;107(3):149–55 (Eng. Abstr.) **(Ger)**

[Osteosynthesis of forearm fractures in adults. Late results (author's transl)] Reschauer R, et al. **Zentralbl Chir** 1982; 107(9):505–14 **(Ger)**

[The substitution of intrinsic muscle function with modified Zancolli procedure (author's transl)] Kovácsy A, et al. **Magy Traumatol Orthop Helyreallito Sebesz** 1982; 25(1):37–43 **(Hun)**

THERAPY

Traumatic bowing of the forearm in an adult. Greene WB. **Clin Orthop** 1982 Aug;(168):31–4

[Delayed osteosynthesis of forearm fractures after primary conservative treatment (author's transl)] Hendrich V, et al. **Aktuel Traumatol** 1980 Oct;10(5):263–7 (Eng. Abstr.) **(Ger)**

FORECASTING

The future of health sciences. Salomon M. **Am J Psychother** 1981 Jul;35(3):413–8

A forecast of the future for the mental health profession. Anderson JK, et al. **Am Psychol** 1981 Aug;36(8):848–55

Reductionism in the psychology of the eighties. Can biochemistry eliminate addiction, mental illness, and pain? Peele S. **Am Psychol** 1981 Aug;36(8):807–18

The ability to predict weight gain, individual organ weight, and corresponding food intake in the rat by the four-parameter model for physiological responses. Schweisthal MR, et al. **Anat Rec** 1982 Jan;202(1):131–6

A dynamic model of tuberculosis epidemiology for Singapore. Goh EH, et al. **Ann Acad Med Singapore** 1981 Jan;10(1):40–9

Immunogenetics and immunology: I. key to the future. Kuban DJ, et al. **Ariz Med** 1981 Sep;38(9):699–701

Neurochemical and genetic bases of psychopathology: future directions. Matthysse S, et al. **Behav Genet** 1982 Feb; 12(1):101–9

The future of the science of biorheology. Copley AL. **Biorheology** 1982;19(1/2):47–69

The education of the psychiatrist of tomorrow. Romano J. **Bull Am Acad Psychiatry Law** 1980;8(4):356–65

Future directions of the specialty: practical relevance to the clinical practice of nuclear medicine. DeLand FH. **Clin Nucl Med** 1981 Oct;6(10S):P131–5

Future vistas in cardiovascular nuclear medicine. Rollo FD. **Clin Nucl Med** 1981 Oct;6(10S):P6–9

Epidemiology and child psychiatry: future prospects. Earls F. **Compr Psychiatry** 1982 Jan–Feb;23(1):75–84

Planning for the future in psychiatric training: the place of the chronic care program. Mayo J, et al. **Compr Psychiatry** 1982 Jan–Feb;23(1):1–8

The future of comprehensive health planning. Healey JM. **Conn Med** 1981 Sep;45(9):609

A selective attention test as a predictor of success in flight training. Gopher D. **Hum Factors** 1982 Apr;24(2):173–83

Attitudes and perceptions about the elderly: current and future perspectives. Green SK. **Int J Aging Hum Dev** 1981; 13(2):99–119

A brief comment on the present and future of neuropathology in Italy. Macchi G. **Ital J Neurol Sci** 1981 May;2(2):109–10

Technology and nursing education: a scenario for 1990. Ackerman WB. **J Adv Nurs** 1982 Jan;7(1):59–68

Nursing for a new century--a future framework. Baumgart AJ. **J Adv Nurs** 1982 Jan;7(1):19–23

New realities: the challenge to change. Turner HS. **J Am Coll Health Assoc** 1981 Aug;30(1):7–9

Dentistry in the marketplace: an economic forecast [interview] Conrad DA, et al. **J Am Dent Assoc** 1982 Jan; 104(1):18–24 contd

Dentistry in the marketplace: an economic forecast. Part 2 [interview] Conrad DA, et al. **J Am Dent Assoc** 1982 Feb; 104(2):148–54

The future for the elderly. Arie T. **J Am Geriatr Soc** 1981 Dec;29(12):557–62

Close encounters of the podiatric kind. Levy LA. **J Am Podiatry Assoc** 1982 Mar;72(3):109–13

Doctoral education in the next decade: a cautionary tale. Zimet CN. **J Clin Psychol** 1982 Jul;38(3):678–9

Is there a future for smoking cessation programs? Stachnik TJ, et al. **J Community Health** 1981 Fall;7(1):47–56

Dental education of the future. Cohen DW. **J Dent Educ** 1981 Oct;45(10):713–23

Future faculty training requirements and job opportunities: a survey of U.S. dental school deans. Herzberg MC, et al. **J Dent Educ** 1982 May;46(5):261–5

Prospects for dental education. Hogness JR. **J Dent Educ** 1982 Mar;46(3):129–34

Women, work and stress: a review and agenda for the future. Haw MA. **J Health Soc Behav** 1982 Jun;23(2):132–44

The Bell and Weinberg study: future priorities for research on homosexuality. Suppe F. **J Homosex** 1981 Summer; 6(4):69–97

The American Medical Association: yesterday, today and tomorrow. Rogers FA. **J La State Med Soc** 1981 Sep; 133(9):129–35

Tomorrow's medicine: art and science or commerce and industry? **J Med Educ** 1982 Jan;57(1):1–27

2010. Marinker M. **J R Coll Gen Pract** 1981 Sep; 31(230):540–6

The futures of health education. Merki D. **J Sch Health** 1981 Dec;51(10):632–6

Maternal age and births in the 1980s. Adams MM, et al. **JAMA** 1982 Jan 22–29;247(4):493–4

Forecasting motherhood [editorial] Barclay WR. **JAMA** 1982 Jan 22–29;247(4):497

Test-tube babies—whatever next? **Lancet** 1981 Dec 5; 2(8258):1265–6

Three decades to Malthus? [editorial] **Lancet** 1982 Jan 9; 1(8263):85–6

Strategic environment facing health industries in the 1980s. Shay PE. **Med Instrum** 1981 Jul–Aug;15(4):271–5

Health care in 20 years' time: to maintain their standing, doctors will have to adapt to their patients' requirements. Ryan JG. **Med J Aust** 1982 Jun 26;1(13):567–8, 571

Prospects and advances in geriatrics. Butler RN. **Mt Sinai J Med (NY)** 1981 Nov–Dec;48(6):507–10

Special report. Medical problems of survivors of nuclear war: infection and the spread of communicable disease. Abrams HL. **N Engl J Med** 1981 Nov 12;305(20):1226–32

Physical therapy manpower planning. Projection models and scenarios of 1985. Breegle GG, et al. **Phys Ther** 1982 Sep; 62(9):1297–306

Future trends in apheresis. Freireich EJ. **Prog Clin Biol Res** 1981;65:155–62

Diagnosis: schizophrenic reaction due to or associated with intracranial viral infection. Laury GV. **Psychiatr Q** 1981 Fall;53(3):170–4

DSM-III and the future orientation of American psychiatry. Morphy MA. **Psychol Med** 1982 May;12(2):241–2

The future of WHO's health manpower development programme. Fülöp T. **WHO Chron** 1982;36(1):3–6

Projecting pharmacy manpower. Deeble JS, et al. **World Health Stat Q** 1981;34(2):91–105 **(Eng, Fre)**

Looking back at tomorrow. Commencement address delivered at the Yale University School of Medicine, New Haven, Connecticut, May 24, 1981. Viseltear AJ. **Yale J Biol Med** 1981 May–Jun;54(3):219–25

[Cancer in the year 2000] Saxén E. **Duodecim** 1981; 97(20):1708–16 **(Fin)**

[Infectious diseases in the year 200] Valtonen V. **Duodecim** 1981;97(20):1717–21 **(Fin)**

[The future of public health administration] Dewein P. **Off Gesundheitswes** 1981 Nov;43(11):575–7 **(Ger)**

[Vocational rehabilitation and its further development] Rózsa J. **Z Gesamte Hyg** 1982 May;28(5):344–7 **(Ger)**

[Regional strategies of the program Health for All in the Year 2000] **Bol Of Sanit Panam** 1981 Jul;91(1):56–70 **(Spa)**

[Education in search of a goal: health for all in the year 2000] del Cid Peralta E. **Bol Of Sanit Panam** 1981 Nov; 91(5):401–7 (Eng. Abstr.) **(Spa)**

[20th century medicine and its future projections. IV. Essential features of 20th century medicine] Jinich H. **Gac Med Mex** 1981 Nov;117(11):434–8 **(Spa)**

[20th century medicine and its future projections. I. Introduction] Jinich H. **Gac Med Mex** 1981 Nov; 117(11):425 **(Spa)**

[A prediction of the future of medicine made in 1878 (author's transl)] Costa-Casaretto C. **Rev Med Chil** 1981 Sep; 109(9):901–9 (Eng. Abstr.) **(Spa)**

METHODS

Prediction of age at menarche from annual height increments. Ellison PT. **Am J Phys Anthropol** 1981 Sep;56(1):71–5

Projection of supply and requirement of health manpower with particular reference to primary health care manpower. Bui Dang Ha Doan. **World Health Stat Q** 1981;34(2):74–90 **(Eng, Fre)**

FOREHEAD

[The quarrel of priorities in metoposcopy: Hájek contra Cardano] Müller-Jahncke WD. **Sudhoffs Arch Beih** 1982; 66(1):79–84 **(Ger)**

ANATOMY & HISTOLOGY

The frontalis nerve in the temporal brow lift. Liebman EP, et al. **Arch Otolaryngol** 1982 Apr;108(4):232–5

BLOOD SUPPLY

[Clinical significance of thermography of the forehead with liquid crystal membrane (author's transl)] Wang JG. **Chung Hua Shen Ching Ching Shen Ko Tsa Chih** 1981 Nov; 14(4):244–5 **(Chi)**

INJURIES

The headbangers tumour. Sormann GW. **Br J Plast Surg** 1982 Jan;35(1):72–4

PHYSIOLOGY

The effect of stress imagery on arousal and its implications for biofeedback of the frontalis muscles. Passchier J, et al. **Biofeedback Self Regul** 1981 Sep;6(3):295–303

Is frontalis activity a reliable indicator of the activity in other skeletal muscles? Whatmore GB, et al. **Biofeedback Self Regul** 1981 Sep;6(3):305–14

SURGERY

Foreheadplasty—a selective approach. Washio H, et al. **Ann Plast Surg** 1982 Feb;8(2):141–7

Forehead reconstruction using a bi-pedicled bone flap. Vandervord JG, et al. **Br J Plast Surg** 1982 Jan;35(1):75–9

Repair of surgical defects. I. Circular defects on the forehead. Dzubow LM, et al. **J Dermatol Surg Oncol** 1981 Oct; 7(10):764–6

Repair of surgical defects. I. Circular defects on the forehead. A correction [letter] Dzubow LM. **J Dermatol Surg Oncol** 1982 Feb;8(2):88–9

The forehead lift [letter] Luckey RC. **Plast Reconstr Surg** 1981 Oct;68(4):645–6

Forehead lifts [letter] Nigro DM. **Plast Reconstr Surg** 1982 May;69(5):908

Forehead lift [letter] Owsley JQ Jr. **Plast Reconstr Surg** 1982 Jun;69(6):1025–6

FOREIGN BODIES

Clinicopathologic correlations in pseudocapsule formation after breast augmentation. Jenny H, et al. **Aesthetic Plast Surg** 1981;5(1):63–8

Gunshot wound of the chest with five intrathoracic foreign bodies. Murphy GK. **Am J Forensic Med Pathol** 1981 Jun; 2(2):163–6

Gastrointestinal foreign bodies. McCanse DE, et al. **Am J Surg** 1981 Sep;142(3):335–7

Inhalation of a foreign body. A hazard of protective rubber sleeves on the jaws of mouth gags. Mulligan IP, et al. **Anaesthesia** 1981 Aug;36(8):800–2

Pulmonary alveolar pores and alveolar macrophage-mediated particle clearance. Ferin J. **Anat Rec** 1982 Jun;203(2):265–72

Cocaine intoxication, delirium, death in body packer [letter] Bar-Or D, et al. **Ann Emerg Med** 1982 Jul;11(7):389–90

Broken and retained rectal thermometers in infants and young children. Lau JT, et al. **Aust Paediatr J** 1981 Jun;17(2):93–4

Tumor promotion by foreign bodies (IUD). Ryan WL, et al. **Cancer Lett** 1981 Sep;13(4):299–302

Impacted blister packages [letter] Ito Y, et al. **Gastrointest Endosc** 1981 Aug;27(3):202

Noninvasive management of esophageal meat impaction [letter] Reddy AN. **Gastrointest Endosc** 1981 Aug; 27(3):202–3

The migration of femoral Küntscher nails: a clinical study. Hunter SG. **Injury** 1982 May;13(6):460–3

An unusual foreign body in the nose. Babu KN. **J Laryngol Otol** 1981 Sep;95(9):961–2

Corrosion of swallowed foreign body [letter] Dixon JM, et al. **J R Soc Med** 1982 Jul;75(7):567–8

A 'pennanidal' sinus. Elliot D, et al. **J R Soc Med** 1981 Nov; 74(11):847–8

Penetration into the stomach. A complication of the antireflux prosthesis. Lackey C, et al. **JAMA** 1982 Jul 16; 248(3):350

Intra-abdominal migration of an antireflux prosthesis. A cause of bizarre pain. Peloso OA. **JAMA** 1982 Jul 16; 248(3):351–3

Migration of a subdural-peritoneal shunt into the interhemispheric space. Case report. Todorow S, et al. **Neurosurg Rev** 1982;5(1):25–6

An unusual vagina foreign body [letter] Zaaijman JD, et al. **S Afr Med J** 1982 Jan 9;61(2):33

Experimental cotton-fibre pulmonary embolism in the rat. Johnston B, et al. **Thorax** 1981 Dec;36(12):910–6

Case profile: radiolucent urethral calculus with hemostatic clip nidus. Miedema EB, et al. **Urology** 1982 Mar;19(3):328

[Foreign body in the maxillary sinus] Virtanen H, et al. **Duodecim** 1981;97(6):340–2 (Eng. Abstr.) **(Fin)**

[Foreign bodies in the esophagus (apropos of 60 cases)] Debrie JC, et al. **Dakar Med** 1981;26(2):272–5 (Eng. Abstr.) **(Fre)**

[Foreign bodies in otorhinolaryngology. A year's analysis] Debrie JC, et al. **Dakar Med** 1981;26(3):331–7 **(Fre)**

[The 'lost' intra-uterine contraceptive device (author's transl)] Tadjerouni A, et al. **J Gynecol Obstet Biol Reprod (Paris)** 1981;10(5):473–8 (21 ref.) (Eng. Abstr.) **(Fre)**

[Acute esophageal obstruction of dietary origin in the adult] Braillon A, et al. **Med Chir Dig** 1982;11(1):55–6 **(Fre)**

[Unusual dislocation of a pacemaker electrode] Wendt KD, et al. **Z Gesamte Inn Med** 1981 Sep 15;36(18):685–8 (Eng. Abstr.) **(Ger)**

[Venous catheter embolisms: risk and remedy] Mastroianni A, et al. **Minerva Anestesiol** 1981 Aug;47(8):547–50 **(Ita)**

[A case of IUD migration into the peritoneal cavity] Sabbatino M, et al. **Minerva Ginecol** 1981 Dec; 33(12):1155–8 **(Ita)**

[Two cases of broken stylet (author's transl)] Higuchi M, et al. **Masui** 1982 Feb;31(2):171–5 **(Jpn)**

[Microbattery as a foreign body in the esophagus] Zapolna-Kaźmierczak W, et al. **Otolaryngol Pol** 1981; 35(2):181–3 (Eng. Abstr.) **(Pol)**

[Foreign body remaining 2 months in the upper pharynx] Bętkowski A, et al. **Pediatr Pol** 1982 Feb–Mar; 57(2–3):153–4 **(Pol)**

[Intraocular or intraorbital non-magnetic metallic foreign bodies extracted by direct visualization on a TV screen and amplification of the radiological image] Olteanu M, et al. **Rev Chir [Oftalmol]** 1981 Apr–Jun;25(2):125–30 **(Rum)**

[Spontaneous discharge of a foreign body of the left lung] Shchiglis GM, et al. **Grudn Khir** 1981;(6):79–80 **(Rus)**

[Migration of a sewing needle from the digestive tract into the liver] Shapochnik MB, et al. **Klin Khir** 1982 Apr;(4):70 **(Rus)**

[Chronic foreign bodies of the esophagus occurring with respiratory disorders] Nikolov RB, et al. **Pediatriia** 1982 May;(5):75 **(Rus)**

[Unusual bladder stones. I. Giant stones. II. Stone induced by a plant stalk] Rodríguez Rebollo T, et al. **Arch Esp Urol** 1982 Mar–Apr;35(2):103–14 (Eng. Abstr.) **(Spa)**

COMPLICATIONS

Secondary vaginal atresia: a case report. Rüttgers H, et al. **Am J Obstet Gynecol** 1982 Jul 1;143(5):595–6

Airway obstruction due to a foreign body [letter] Wittmann FW. **Anaesthesia** 1982 Aug;37(8):865–6

Persistent hiccups. Wagner MS, et al. **Ann Emerg Med** 1982 Jan;11(1):47–9

Tracheoesophageal fistula. A complication of foreign body. Obiako MN. **Ann Otol Rhinol Laryngol** 1982 May–Jun;91(3 Pt 1):325–7

Submandibular salivary duct calculus secondary to a foreign body. Watkins RM. **Br J Surg** 1982 Jul;69(7):379

Ureteric colic due to migrating shotgun pellet. Gawande AS, et al. **Br J Urol** 1982 Apr;54(2):191

Perforation of Meckel's diverticulum by an alkaline hearing aid battery. Willis GA, et al. **Can Med Assoc J** 1982 Mar 1;126(5):497–8

'Coin lesion' asthma [letter] Stevens RP. **Chest** 1981 Nov; 80(5):654

Tenosynovitis due to incense. Leonard MH. **Clin Orthop** 1982 Aug;(168):214–5

Oral foreign body removal and acute respiratory obstruction. Lightner ES. **Clin Pediatr (Phila)** 1981 Oct;20(10):670

Airway foreign body: a complication of neonatal endotracheal intubation. Stevens DC, et al. **Clin Pediatr (Phila)** 1982 Aug;21(8):510–1

An unusual foreign body in the subglottic region. Choudhury P, et al. **Indian Pediatr** 1981 Apr;18(4):269

Synovitis due to migration of a screw into the knee joint. A case report. Moreno M, et al. **J Bone Joint Surg [Am]** 1982 Apr;64(4):622–3

Pyogenic liver abscess secondary to a toothpick penetrating the gastrointestinal tract. Rafizadeh F, et al. **J Med Soc NJ** 1981 May;78(5):377–8

Spontaneous migration of an intracranial bullet to the cervical spinal canal causing Lhermitte's sign. Case report. Arasil E, et al. **J Neurosurg** 1982 Jan;56(1):158–9

Delayed myelopathy secondary to retained intraspinal metallic fragment. Case report. Jones FD, et al. **J Neurosurg** 1981 Dec;55(6):979–82

Foreign bodies in the biliary stones: (a case report). Zarger HU, et al. **J Postgrad Med** 1981 Oct;27(4):248–50

Intestinal perforation in an adult. Ani AN, et al. **J R Coll Surg Edinb** 1982 May;27(3):186–7

Late post-traumatic obstructive jaundice secondary to a biliary tract foreign body. Edwards FH, et al. **J Trauma** 1982 Apr;22(4):336–8

Right hydronephrosis following ingestion of a foreign body. Kekomäki M, et al. **J Urol** 1981 Dec;126(6):795

The fatal cafe coronary. Foreign-body airway obstruction. Mittleman RE, et al. **JAMA** 1982 Mar 5;247(9):1285–8

Occult foreign-body aspiration in adults. Wolkove N, et al. **JAMA** 1982 Sep 17;248(11):1350–2

'Floating' pacemaker electrode fracture and separation. McBride JW, et al. **Minn Med** 1981 Nov;64(11):681–2

Lingual abscess following traumatic penetration of a tooth into the tongue. Palestini M. **Oral Surg** 1981 Nov; 52(5):485–6

Systemic bullet embolism. McQuaide JR, et al.

S Afr J Surg 1981 Jun;19(2):145–9
Foreign body aspiration. Da Silva AM. S Afr Med J 1982 Jan 23;61(4):130–4
Fish bone perforation of Meckel's diverticulum simulating a leaking abdominal aortic aneurysm. McDowell DE, et al. South Med J 1982 Jul;75(7):891–2
[Surgical treatment of pulmonary complications caused by aspiration of lucite pencilcap: report of 3 cases (author's transl)] Li ZM. Chung Hua Wai Ko Tsa Chih 1980 Apr; 18(2):157–9 (Chi)
[Foreign body of the liver] Ladefoged C, et al. Ugeskr Laeger 1981 Apr 6;143(15):935–6 (Eng. Abstr.) (Dan)
[The vascular problems raised by acetabular loosening with intra-pelvic migration of the implant during total hip arthroplasty. Double and simultaneous approach (author's transl)] Augereau B, et al. Ann Chir 1981 Sep;35(7):491–4 (Eng. Abstr.) (Fre)
[Right subphrenic abscess and bronchial fistula from late trans-diaphragmatic migration of a postoperative abdominal foreign body.(author's transl)] Dartevelle P, et al. J Chir (Paris) 1981 Jul–Aug;118(6–7):413–6 (Eng. Abstr.) (Fre)
[Cerebral abscess leading to discovery of bronchial foreign body] Rousseaux M, et al. Lille Med 1981 Mar;26(3):99–101 (Fre)
[On the diagnosis of catheter fragment embolism (author's transl)] Neumann H. Anasth Intensivther Notfallmed 1981 Oct;16(5):279–81 (Ger)
[Mediastinal emphysema extending to the chest, neck and head as complication of a foreign body in the bronchi (author's transl)] Daniilidis J, et al. Monatsschr Kinderheilkd 1981 Sep;129(9):541–3 (Eng. Abstr.) (Ger)
[Pharyngeal injuries caused by administration of permanent magnets] Martig J. Schweiz Arch Tierheilkd 1982 Apr; 124(4):209–12 (Eng. Abstr.) (Ger)
[Late sequelae of an intrauterine foreign body] Schssling G. Z Arztl Fortbild (Jena) 1981 Aug 1;75(15):718–9 (Ger)
[Unilateral exophthalmos with intraorbital foreign body, developed 4 years after injury (author's transl)] Takemura K, et al. No Shinkei Geka 1981 Aug;9(9):1047–51 (Eng. Abstr.) (Jpn)
[A foreign body remaining for a long period in the bronchus in a child aged 1 year (author's transl)] Posz A, et al. Otolaryngol Pol 1982;36(2–3):173–4 (Pol)
[On conservative treatment of complications following cervical oesophagus perforation by foreign bodies (author's transl)] Szmeja Z, et al. Otolaryngol Pol 1981;35(4–6):303–7 (Eng. Abstr.) (Pol)
[Bronchopulmonary changes caused by foreign bodies in the tracheobronchial tree] Zebrak J, et al. Pediatr Pol 1982 Feb–Mar;57(2–3):115–21 (Eng. Abstr.) (Pol)
[Foreign bodies in the chest with Aspergillus fumigatus infection of surrounding tissues] Młodkowski J. Pneumonol Pol 1981 Jan;49(1):49–55 (Eng. Abstr.) (Pol)
[Bronchial foreign bodies] Jórdeczka S. Pol Tyg Lek 1982 Mar 29;37(3):89–90 (Eng. Abstr.) (Pol)
[Foreign body of the pterygo-palatine fossa (author's transl)] Bętkowski A, et al. Przegl Lek 1982;39(4):329–30 (Pol)
[Unusual cause of obturation of the small intestine] Szybejko J, et al. Wiad Lek 1982 Apr 15;35(2):163–4 (Eng. Abstr.) (Pol)
[Foreign body complicated by an abscess of the pararectal fat] Storozhuk VT, et al. Khirurgiia (Mosk) 1982 Apr; (4):111–2 (Rus)
[Prophylaxis of foreign body migration into the stomach and intestines during endotracheal anesthesia] Kadoshchuk TA, et al. Klin Khir 1981 Dec;(12):41–2 (Rus)
[Development of squamous cell carcinoma in the wall of a cyst formed around a foreign body in the soft tissues of the hip] Karseladze AI, et al. Sov Med 1981;(8):120–1 (Rus)
[Perforation of the terminal region of the ileum by foreign body in a 1-year-10-month old infant] Kochergin IuN. Vestn Khir 1981 Dec;127(12):108 (Rus)
[Foreign body of the duodenum causing compression of the terminal portion of the common bile duct] Rustamov IR, et al. Vestn Khir 1982 Apr;128(4):78–9 (Rus)
[Acute retropharyngeal abscess in old age as a complication of pharyngeal injury from a foreign body] Antoniuk MI, et al. Vestn Otorinolaringol 1982 May-Jun;(3):75–6 (Rus)
[Perinephritic abscess caused by a cloth foreign body: clinical and radiological findings (letter)] González L, et al. Med Clin (Barc) 1982 Mar 1–15;78(5):209 (Spa)
[Intravesical intrauterine T-Cu device. Echographic diagnosis] Ruiz M, et al. Rev Chil Obstet Ginecol 1979; 44(3):84–8 (Eng. Abstr.) (Spa)

DIAGNOSIS

Estimation of the extent of high velocity missile wounds in soft tissue with ultrasonography – an experimental study with special reference to the detection of x-ray negative foreign bodies. Kuusela T, et al. Acta Chir Scand [Suppl] 1982;508:251–5
Prolonged foreign body impaction in the oesophagus. Spitz L, et al. Arch Dis Child 1982 Jul;57(7):551–3
An intracardiac foreign body: diagnosed non-invasively and removed non-surgically. Davies J, et al. Br J Radiol 1981 Nov;54(647):987–9
Differential diagnosis of pelvic tumors. Report of an unexpected finding. Ghirardini G, et al. Diagn Gynecol Obstet 1982 Spring;4(1):37–8
Foreign body endoscopy. McCray RS. Gastrointest Endosc 1981 Nov;27(4):236–7
'Whistling sign'—a diagnostic feature of laryngotracheal foreign body. Chaturvedi VN, et al. Indian Pediatr 1981 Oct;18(10):752–4
Spontaneous expulsion of bronchial foreign body [letter] Choudhury N. Indian Pediatr 1981 Dec;18(12):926
Rare laryngeal foreign body in a child. Malik MK, et al. Indian Pediatr 1982 Jan;19(1):95–6
Large foreign bodies of the gastrointestinal tract. Ghani A, et al. Int Surg 1981 Jul–Sep;66(3):271–2
Foreign body induced chronic abscess imitating cancer of the bladder wall. Németh A, et al. Int Urol Nephrol 1981; 13(1):65–8
An unusual foreign body in the larynx. Graamans K, et al. J Laryngol Otol 1981 Nov;95(11):1153–5
An unusual cardiovascular foreign body: discussion of etiology and nonoperative retrieval. Cholankeril JV, et al. J Med Soc NJ 1981 Dec;78(13):897–900
An unusual foreign body in the pelvis: a case report. Cibley LJ, et al. J Reprod Med 1982 Apr;27(4):220–2
Food particles mimic cholelithiasis [letter] Mandevill G. JCU 1982 Feb;10(2):A–20–21
Tracheobronchial foreign bodies: the impact of a postgraduate educational program on diagnosis, morbidity, and treatment. Puterman M, et al. Pediatrics 1982 Jul; 70(1):96–8
Endobronchial metastasis from renal adenocarcinoma simulating a foreign body. Amer E, et al. Thorax 1981 Mar; 36(3):183–4
[Foreign bodies and pregnancy] Dušek H, et al. Cesk Gynekol 1981 Jun;46(5):374–5 (Cze)
[Aspiration of a foreign body] Bollerslev J, et al. Ugeskr Laeger 1981 Oct 12;143(42):2745–6 (Eng. Abstr.) (Dan)
[Foreign bodies of plant origin in the orbit (the value of tomodensitometry)] François P, et al. Bull Soc Ophtalmol Fr 1982 Feb;82(2):251–2 (Fre)
[Foreign bodies of the larynx] Krejović B, et al. J Fr Otorhinolaryngol 1981 Sep;30(7):465–8 (Fre)
[Foreign body aspiration in an adult presenting as bronchial asthma] Lieberman D, et al. Harefuah 1982 Jan 1; 102(1):18–9 (Eng. Abstr.) (Heb)
[A case of an endobronchial foreign body diagnosed surely by operation (author's transl)] Kitano M, et al. Kyobu Geka 1982;35(4):316–9 (Eng. Abstr.) (Jpn)
[Spikes and splinters as a cause of diagnostic and therapeutic difficulties in leg injuries in children] Wośko I, et al. Chir Narzadow Ruchu Ortop Pol 1981;46(4):403–6 (Pol)
[Use of echoseriography for determining the location of foreign bodies in the eye and orbit] Zhuravlev SV. Vestn Oftalmol 1981 Nov-Dec;(6):60–2 (Eng. Abstr.) (Rus)
[Foreign bodies in the respiratory tract in children] Anikeeva ZI, et al. Vestn Otorinolaringol 1981 Jul–Aug;(4):66–7 (Rus)
[Concerning the problem of knee joint injuries in children (author's transl)] Maar D. Bratisl Lek Listy 1982 Feb; 77(2):209–13 (Eng. Abstr.) (Slo)

ETIOLOGY

Young children and toothpaste [letter] Dixon DA. Br Dent J 1981 Oct 6;151(7):213
Migration of a wire from the sternoclavicular joint to the pericardial cavity [letter] Fowler AW. Injury 1981 Nov; 13(3):261–2
Dental fragments in the lips. Allen FJ. Int J Oral Surg 1981; 10(Suppl 1):260–3
Aspiration of a partial denture during an epileptic seizure. Giovannitti JA Jr. J Am Dent Assoc 1981 Dec;103(6):895
Aspiration of an unerupted permanent tooth during maxillofacial trauma. McIntosh GC, et al. J Oral Maxillofac Surg 1982 Jul;40(7):448–50
Mishaps of CPR: the case of the missing dental bridge [letter] Shih C, et al. N Engl J Med 1982 Apr 29;306(17):1057
Small tracheal stoma: an unusual cause of aspiration. Cannon CR. South Med J 1982 Apr;75(4):512–3
[Treatment of odontogenic complications involving the maxillary sinus after dental procedures] Fiala M. Cesk Otolaryngol 1981 Aug;30(4):214–8 (Eng. Abstr.) (Cze)
[A rare complication in kidney biopsy] Funke K. Z Urol Nephrol 1981 Nov;74(11):833–4 (Eng. Abstr.) (Ger)
[The café coronary – foreign bodies in the upper respiratory tract as a cause of sudden unexpected death] Olving JH. Tidsskr Nor Laegeforen 1982 Jan 20;102(2):99–100 (Eng. Abstr.) (Nor)

IMMUNOLOGY

[Immunological reactions to foreign bodies and harmful agents in various invertebrates] Bitkowska E. Wiad Parazytol 1980;26(6):597–608 (76 ref.) (Eng. Abstr.) (Pol)

METABOLISM

Gastric juice dissolves razor blades [letter] Hatoff DE. Lancet 1982 Apr 24;1(8278):959–60

OCCURRENCE

[Foreign bodies in the gastrointestinal tract. Report from prisoners in the Copenhagen prisons during the period 1965–1969 and 1975–1979] Mikkelsen JH, et al. Ugeskr Laeger 1982 Apr 5;144(14):1019–21 (Eng. Abstr.) (Dan)
[Foreign bodies of the lower respiratory tract; comparative experiences] Cvetković S, et al. J Fr Otorhinolaryngol 1981 Sep;30(7):461–3 (Fre)
[Incidence and severity of bronchial foreign bodies. Results and perspectives] Piquet JJ, et al. J Fr Otorhinolaryngol 1981 Oct;30(8):503–6, 508 (Fre)
[Migration of subduro-peritoneal shunt into the subdural space of an infant (author's transl)] Kumon Y, et al. No Shinkei Geka 1982 Apr;10(4):443–6 (Eng. Abstr.) (Jpn)
[High cervical injury produced by a chopstick passing through the mouth (author's transl)] Kobayashi I, et al. Rinsho Shinkeigaku 1981 Jul;21(7):607–10 (Eng. Abstr.) (Jpn)
[Migration of a fragment of a metal pin after osteosynthesis of the right clavicle] Stupachenko ON. Ortop Travmatol Protez 1981 Nov;(11):35–6 (Rus)

PATHOLOGY

A foreign body in the palate. Papadopoulos MS. Br J Oral Surg 1980 Sep;18(2):183
Histopathologic study of traumatic corneal endothelial rings. Wittpenn JR Jr, et al. Md State Med J 1982 Jun;31(6):43–5
[Foreign bodies forgotten during surgical interventions] Borodianskiĭ VS, et al. Klin Khir 1982 Jan;(1):50–1 (Rus)
[Foreign bodies of the diaphragm] Vagner EA, et al. Klin Khir 1981 Oct;(10):58 (Rus)
[Unusual foreign body of the choledochus] Tetdoev AM, et al. Vestn Khir 1982 Feb;128(2):73–4 (Rus)
[Long-term presence of a large foreign body in the piriform sinus] Dovzhik VP, et al. Vestn Otorinolaringol 1982 May-Jun;(3):77–8 (Rus)

PREVENTION & CONTROL

A method to prevent swallowing or aspiration of cast restorations. Jacobi R, et al. J Prosthet Dent 1981 Dec; 46(6):642–5

PSYCHOLOGY

Urethral insertion of foreign bodies. A report of contagious self-mutilation in a maximum-security hospital. Rada RT, et al. Arch Gen Psychiatry 1982 Apr;39(4):423–9

RADIOGRAPHY

New aluminum-jacketed ammunition: the case of the 'invisible' jacket. Conradi SE. Am J Forensic Med Pathol 1982 Jun;3(2):153–5
Lung inhalation of an unusual vegetal foreign body. Report of two cases. Soares D, et al. Ann Radiol (Paris) 1982 Feb; 25(2):101–5 (Eng, Fre)
An unusual antral mass. Brady J. Br J Oral Surg 1982 Jun; 20(2):147
The importance of radiological monitoring after oesophageal intubation. Campbell WB, et al. Br J Radiol 1981 Nov; 54(647):996–1000
Transvascular retrieval of an accidentally ejected tip occluder and wire. Fjälling M, et al. Cardiovasc Intervent Radiol 1982;5(1):34–6
Upper airway obstruction in an infant due to radiolucent cleft palate obturator. Nussbaum E. Clin Pediatr (Phila) 1982 Mar;21(3):153
Removal of a foreign body from the esophagus. Jafari N, et al. Del Med J 1981 Sep;53(9):443–5
The gastrointestinal tract as a vehicle for drug smuggling. Sinner WN. Gastrointest Radiol 1981;6(4):319–23
Noninvasive technique for the localization of radiopaque foreign bodies. Weinstock RE. J Foot Surg 1981 Summer; 20(2):73–5
Detection of a wooden foreign body in the hand using computed tomography—case report. Rhoades CE, et al. J Hand Surg 1982 May;7(3):306–7
Incidental roentgenographic demonstration of multiple metallic foreign bodies with an unusual etiology. Eick JJ, et al. J La State Med Soc 1982 Jan–Feb;134(1):10–1
Glass in the frontal sinus. Lancer JM. J Laryngol Otol 1982 Apr;96(4):357–60
Retrieval of a broken catheter from the aorta without operation. Rao VR, et al. Neuroradiology 1982;22(5):263–5
Traumatic implantation of a maxillary incisor in the forearm. Blevins C, et al. Oral Surg 1982 Apr;53(4):438
Migrating root tip. Ryan WJ, et al. Oral Surg 1982 Jun; 53(6):652
A foreign body in the oesophagus as a cause of respiratory distress. Beer S, et al. Pediatr Radiol 1982;12(1):41–2
Radiodensity of the proposed new penny. Dorst JP, et al. Pediatrics 1982 Feb;69(2):224–5
Preoperative localization of radiopaque foreign bodies. Meyer JE, et al. Radiology 1982 Jul;144(1):179
[Foreign body in the larynx. A primarily misinterpreted case] Poulsen P. Ugeskr Laeger 1981 Nov 30;143(49):3303–4 (Eng. Abstr.) (Dan)
[Migration of Kirschner's wire after osteosyntheses (author's transl)] Starke W, et al. Aktuel Traumatol 1981 Aug;

11(4):126–9 (Eng. Abstr.) (Ger)
[Foreign body in the bladder?] Wimmer B, et al. **Radiologe** 1982 Jul;22(7):331–2 (Ger)
[Radiation load during extraction of IUP's in pregnancy under x-ray control (author's transl)] Kronholz HL, et al. **ROFO** 1982 Mar;136(3):328–30 (Ger)
[Unusual foreign body in the duodenal bulb: a mucus plug] Lanyi M, et al. **ROFO** 1982 Jul;137(1):111 (Ger)
[Demonstration of non-metallic foreign bodies by conventional x-ray techniques and computer tomography. Absorption coefficient of glass, plastic and wood (author's transl)] Schmitt WG, et al. **ROFO** 1981 Aug;135(2):209–13 (Eng. Abstr.) (Ger)
[A rare endonasal foreign body (author's transl)] Italia C, et al. **Ann Osp Maria Vittoria Torino** 1981 Jan.–Jun; 24(1–6):131–7 (Ita)
[A case of an intrahepatic fish bone penetration—possibility of the preoperative diagnosis by CT scan (author's transl)] Tsuboi K, et al. **Nippon Geka Hokan** 1981 Nov 1; 50(6):899–903 (Eng. Abstr.) (Jpn)
[Multiple foreign bodies in the urethra] Piasecki Z, et al. **Przegl Lek** 1981;38(12):883–4 (Pol)
[A rarely observed bronchial foreign body in a 16-month-old infant] Bętkowski A, et al. **Wiad Lek** 1982 May 1; 35(3–4):233–6 (Eng. Abstr.) (Pol)
[Foreign bodies simulating tumors] Storozhuk VT, et al. **Vestn Khir** 1981 Oct;127(10):103–4 (Rus)

SURGERY

Diagnosis and treatment of retained foreign bodies in the hand. Anderson MA, et al. **Am J Surg** 1982 Jul;144(1):63–7
A unique method for the anesthetic management of laryngeal foreign bodies. Roberts LS, et al. **Anesthesiology** 1982 Jun; 56(6):480–2
Foreign bodies in the respiratory tract of children [letter] Sloan IA, et al. **Ann R Coll Surg Engl** 1982 May;64(3):201
Laparoscopic removal of translocated intrauterine contraceptives devices. McKenna PJ, et al. **Br J Obstet Gynaecol** 1982 Feb;89(2):163–5
Bladder fever: rare complication of the 'safe period' method of contraception. Penketh RJ, et al. **Br Med J [Clin Res]** 1982 Jul 17;285(6336):171–2
Perforation of the sigmoid colon by swallowed chicken bone: case reports and review of literature. Singh RP, et al. **Int Surg** 1981 Apr–Jun;66(2):181–3
Foreign body: a review of two cases. Dowling GL. **J Foot Surg** 1982 Spring;21(1):70–2
Subcutaneous implantation of magnets in fingertips of professional gamblers–case report. Wishnitzer R, et al. **J Hand Surg** 1981 Sep;6(5):473–4
Removal of retained ventricular shunt catheters without craniotomy. Technical note. Chehrazi B, et al. **J Neurosurg** 1982 Jan;56(1):160–1
Laparoscopic retrieval of disconnected ventriculoperitoneal shunt catheters. Report of four cases. Guzinski GM, et al. **J Neurosurg** 1982 Apr;56(4):587–9
Swallowers of foreign bodies [letter] Thomas JM. **J R Soc Med** 1982 Jun;75(6):484
Extraction of intramyocardial foreign body utilizing operative ultrasonography. Harrison LH Jr, et al. **J Thorac Cardiovasc Surg** 1981 Sep;82(3):345–9
A bullet in the appendix. Meyer J, et al. **J Trauma** 1982 May; 22(5):424–5
Retrieving endotracheal tube from esophagus: a simple method. Yoon JJ, et al. **NY State J Med** 1982 Jun; 82(7):1104–5
Endoscopic removal of sharp foreign objects using an oversleeve. Mee AS, et al. **S Afr Med J** 1981 Nov 7; 60(19):743–4
[Surgery of tracheo-bronchial foreign bodies in infants and children. Report on six cases (author's transl)] Essomba R, et al. **Ann Chir** 1982 Feb;36(2):126–8 (Eng. Abstr.) (Fre)
[Air-rifle shot injuries in the otolaryngologic region] Krisch A, et al. **Z Arztl Fortbild (Jena)** 1981 Sep 1;75(17):809–10 (Ger)
[Surgical management of pulmonary embolism, caused by a foreign body, under extracorporeal circulation] Thomka I. **Orv Hetil** 1981 Aug 9;122(32):1964–6 (Hun)
[A case of bronchial foreign body (bullet) which required left upper lobectomy (author's transl)] Nakano M, et al. **Nippon Kyobu Shikkan Gakkai Zasshi** 1981 Aug; 19(8):587–90 (Eng. Abstr.) (Jpn)
[Foreign bodies of the lungs and cardiac area] Nowicki S, et al. **Wiad Lek** 1982 Jan 1;35(1):1–4 (Eng. Abstr.) (Pol)
[Case of aortic hemorrhage during removal of a foreign body from the esophagus] Ziemski T. **Wiad Lek** 1982 May 1; 35(3–4):229–32 (Eng. Abstr.) (Pol)
[Removal of a foreign body from the left pterygopalatine fossa under television x-ray control] Seniukov MV, et al. **Vestn Otorinolaringol** 1982 Mar–Apr;(2):68 (Rus)

THERAPY

Successful removal of endotracheal tube from the esophagus using balloon catheter technique. Lorenzo RL, et al. **AJR** 1981 Dec;137(6):1276–7
Nonsurgical removal of severed central venous line in an infant. Pinsky WW, et al. **Am J Dis Child** 1981 Dec; 135(12):1143–4
Massive foreign object ingestion. Slovis CM, et al. **Ann Emerg Med** 1982 Aug;11(8):433–5
Removal of bronchial foreign bodies in children. Use of a new Minioptical telescope. Kobayashi T, et al. **Arch Otolaryngol** 1982 May;108(5):265–6
Variation on a theme [letter] Connor B. **Aust Fam Physician** 1982 Apr;11(4):314
Splinters under nails. Murtagh JE. **Aust Fam Physician** 1981 Jul;10(7):562
Removal of blunt oesophageal foreign bodies in children using a Foley catheter. Ong TH. **Aust Paediatr J** 1982 Mar; 18(1):60–2
How to remove a foreign body from the trachea and bronchial tree [letter] Bush GH, et al. **Br J Hosp Med** 1981 Jul;26(1):102
Coilon removal. Castaneda-Zuniga WR, et al. **Cardiovasc Intervent Radiol** 1982;5(2):69–70
Prevention of embolization of a catheter fragment to the lower extremity by compression of the femoral artery. Gordon DH, et al. **Cardiovasc Intervent Radiol** 1982; 5(2):117–8
Percutaneous removal of intravascular foreign bodies. Rubinstein ZJ, et al. **Cardiovasc Intervent Radiol** 1982; 5(2):64–8
Use of a Fogarty catheter for bronchoscopic removal of a foreign body [letter] Wiesel JM, et al. **Chest** 1982 Apr; 81(4):524
Treatment of esophageal food impaction—a new use for glucagon. Bryant BG, et al. **Drug Intell Clin Pharm** 1982 May;16(5):407–9
Successful endoscopic removal of a common bile duct foreign body. O'Regan PF, et al. **Endoscopy** 1982 Jan;14(1):26–7
Foreign bodies of gastrointestinal tract. Nagendran T, et al. **J Med Assoc State Ala** 1981 Oct;51(4):31–5
Foreign bodies of the rectum. Garber HI, et al. **J Med Soc NJ** 1981 Dec;78(13):887–8
The treatment of retained peripheral foreign bodies in the pediatric airway. Hight DW, et al. **J Pediatr Surg** 1981 Oct;16(5):694–9
Recognition and management of patients who repeatedly swallow foreign bodies. James AH, et al. **J R Soc Med** 1982 Feb;75(2):107–10
No-confidence vote on catheter removal of foreign bodies [news] Korcok M. **JAMA** 1982 Jun 25;247(24):3304
A complication in the use of a Fogarty catheter for foreign body removal during bronchoscopic management. Carpenter RJ 3d, et al. **Otolaryngol Head Neck Surg** 1981 Nov–Dec;89(6):998–1000
Successful removal of a severed transvenous pacemaker electrode. Gould L, et al. **PACE** 1981 Nov;4(6):713–5
Hard to swallow [letter] Hadley GP. **Papua New Guinea Med J** 1981 Jun;24(2):136
Management of wooden foreign bodies in the orbit. Wesley RE, et al. **South Med J** 1982 Aug;75(8):924–6, 932
The Fogarty balloon technique for the removal of foreign bodies from the tracheobronchial tree. Kosloske AM. **Surg Gynecol Obstet** 1982 Jul;155(1):72–3
A dual approach to tracheobronchial foreign bodies in children. Campbell DN, et al. **Surgery** 1982 Feb; 91(2):178–82
Endobronchial pulp-canal reamer extracted with the fibreoptic bronchoscope. Rizzon CF, et al. **Thorax** 1981 Oct;36(10):795
Technique for removal of foreign body from genitourinary tract. Zollinger RW 2d, et al. **Urology** 1982 Apr;19(4):431–2
Treatment of foreign body obstruction of the upper airway. Hoffman JR. **West J Med** 1982 Jan;136(1):11–22
A comparative study of techniques for esophageal foreign body removal with special emphasis on meat bolus obstruction. Shaffer RD, et al. **Wis Med J** 1981 Nov; 80(11):33–6
[A report on removal of foreign bodies from upper gastrointestinal tract through endoscope in 6 cases (author's transl)] Zhou DY. **Chung Hua Nei Ko Tsa Chih** 1981 Feb; 20(2):82–4 (Chi)
[Removing foreign bodies from blood circulation (author's transl)] Jebavý P, et al. **Cas Lek Cesk** 1982 Feb 26; 121(8):240–4 (Eng. Abstr.) (Cze)
[Removal of catheter embolus from hepatic vein by percutaneous way (author's transl)] Fanta J Jr, et al. **Sb Lek** 1982 Feb;84(2):54–8 (Eng. Abstr.) (Cze)
[Migration and expulsion of the implant in the enucleated eye] Gola R, et al. **Bull Soc Ophtalmol Fr** 1981 Jun–Jul; 81(6–7):625–31 (Fre)
[Our experience with laryngo-tracheo-bronchial foreign bodies in children apropos of 113 cases] Traissac L, et al. **J Fr Otorhinolaryngol** 1981 Nov;30(9):575–9 (Fre)
[Catheter embolism. Method of bloodless extraction] Barberis L, et al. **Minerva Med** 1982 Sep 8;73(34):2157–68 (99 ref.) (Eng. Abstr.) (Ita)
[Study on handling of broken instruments in root canal. Study on distribution of metal in the teeth treated by iontophoresis with transparent specimens (author's transl)] Yazaki M, et al. **Kokubyo Gakkai Zasshi** 1981 Dec;48(4):344–52 (Eng. Abstr.) (Jpn)
[Application of Konno's endomyocardial bioptome for removal of intracardiovascular and endobronchial foreign bodies (author's transl)] Yamaguchi S, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1982 Feb;30(2):240–6 (Eng. Abstr.) (Jpn)
[Endoscopic removal of a gastric foreign body] Sikora K, et al. **Wiad Lek** 1982 Jan 1;35(1):55–7 (Eng. Abstr.) (Pol)
[Treatment of children with foreign bodies of the respiratory tract] Akzhigitov GN, et al. **Khirurgiia (Mosk)** 1982 Feb; (2):76–80 (Eng. Abstr.) (Rus)
[Foreign body in the demusculated esophagus] Tolstoi IG, et al. **Vestn Khir** 1981 Aug;127(8):69 (Rus)

VETERINARY

Ingestion of a foreign body by a dog [letter] King NB. **Aust Vet J** 1981 Oct;57(10):483
Pappus bristles: the cause of burdock stomatitis in dogs. Georgi ME, et al. **Cornell Vet** 1982 Jan;72(1):43–8
Intestinal obstruction and gastric rupture involving a penetrating foreign body. Dobson H, et al. **Equine Vet J** 1981 Jul;13(3):204–5
Tracheobronchial foreign body in a pony. Urquhart KA, et al. **Equine Vet J** 1981 Oct;13(4):262–4
Epistaxis caused by foreign body penetration of a guttural pouch. Bayly WM, et al. **J Am Vet Med Assoc** 1982 May 15;180(10):1232–4
Manual retrieval of a gastric foreign body in an Atlantic bottlenose dolphin. Beroza GA, et al. **J Am Vet Med Assoc** 1981 Dec 1;179(11):1286–8
What is your diagnosis? Case 2. Pneumothorax with collapse of the left caudal lung lobe. Grain E Jr, et al. **J Am Vet Med Assoc** 1981 Nov 15;179(10):1024–6
What is your diagnosis? 1) Multiple midabdominal foreign bodies of mineral density. 2) A triangular mass (3 cm) protruding into the laryngeal lumen obstructing the airway. Kennerly J 3d, et al. **J Am Vet Med Assoc** 1981 Apr 15; 178(8):845–8
Traumatic reticulitis in a calf. Ramakrishna O, et al. **J Am Vet Med Assoc** 1981 May 15;178(10):1068
Clinical cases of intestinal obstruction with foreign bodies and intussusception in dogs. Koike T, et al. **Jpn J Vet Res** 1981 Apr;29(1–2):8–15
Removal of a needle from a dog's stomach. Bose AS, et al. **Mod Vet Pract** 1981 Nov;62(11):882
Esophageal obstruction by a wood bolus. Harris JM. **Mod Vet Pract** 1981 Apr;62(4):302–304
Nonsurgical removal of a fishhook from a dog's esophagus. Barnes LE, et al. **VM SAC** 1982 Jan;77(1):66
Surgical removal of a foreign body in a bastard turtle. Isenbugel E, et al. **VM SAC** 1981 Dec;76(12):1766–8
Extrinsic factors: how they can affect a diagnosis. Lindley WH. **VM SAC** 1981 Aug;76(8):1139–40
Cracking open a puppy bank. Willis B. **VM SAC** 1981 Sep; 76(9):1290
Removal of gastric foreign bodies using flexible fiberoptic endoscopy. Zimmer JF. **VM SAC** 1981 Nov;76(11):1611–9
[A permanent magnet in the treatment of traumatic reticulitis in cattle] Schneider E. **Schweiz Arch Tierheilkd** 1982 Feb; 124(2):97–105 (Eng. Abstr.) (Ger)

FOREIGN BODY MIGRATION see under **FOREIGN BODIES**

FOREIGN BODY REACTION

Foreign body reaction to the intraperitoneal use of Avitene. Park SA, et al. **Obstet Gynecol** 1981 Nov;58(5):664–7

BLOOD

Reactive protein and immunoglobulin levels in women using intrauterine devices. Shaarawy M, et al. **Int J Gynaecol Obstet** 1981 Apr;19(2):125–31

CHEMICALLY INDUCED

Silicone lymphadenopathy: a report of two cases, one with concomitant malignant lymphoma. Benjamin E, et al. **Diagn Histopathol** 1982 Apr–Jun;5(2):133–41
[Simulation of malignant tumors by undeclared polyvinylpyrrolidone in drugs] Bork K, et al. **Hautarzt** 1982 Jul;33(7):373–7 (Eng. Abstr.) (Ger)
[Tissue reaction with platinum–iridium insulated electrodes (author's transl)] Theopold HM, et al. **Laryngol Rhinol Otol (Stuttg)** 1981 Oct;60(10):534–7 (Eng. Abstr.) (Ger)

COMPLICATIONS

Foreign body aspiration in a newborn infant. Macaraeg AL, et al. **Md State Med J** 1982 Jun;31(6):61
[Formation of concretions around foreign bodies in Wharton's duct] Sakovich AA, et al. **Stomatologiia (Mosk)** 1982 Mar–Apr;(2):38–9 (Eng. Abstr.) (Rus)

DIAGNOSIS

[Foreign bodies of plant origin in the orbit (the value of tomodensitometry)] François P, et al. **Bull Soc Ophtalmol Fr** 1982 Feb;82(2):251–2 (Fre)

ETIOLOGY

Inflammation in a silicone-induced granuloma caused by a tuberculosis skin test. Lavey EB, et al. **Ann Plast Surg** 1981 Aug;7(2):152–4
The body reaction to carbon fibre particles implanted into the medullary space of rabbits. Neugebauer R, et al. **Biomaterials** 1981 Jul;2(3):182–4
Glass foreign body granuloma of the nose. Tsur H, et al. **Injury** 1982 Jan;13(4):343–5

Synovial and osseous inflammation in failed silicone-rubber prostheses. Gordon M, et al. **J Bone Joint Surg [Am]** 1982 Apr;64(4):574–80

A foreign body granuloma produced by an injectable collagen implant at a test site. Brooks N. **J Dermatol Surg Oncol** 1982 Feb;8(2):111–4

Barium granuloma. Ishii Y, et al. **J Dermatol (Tokyo)** 1982 Apr;9(2):153–5

Unusual foreign body reaction to a braided silk suture: a case report. Manor A, et al. **J Periodontol** 1982 Feb;53(2):86–8

Malignant lymphoma with intranodal refractile particles after insertion of silicone prostheses [letter] Digby JM, et al. **Lancet** 1981 Sep 12;2(8246):580

Supraclavicular migration of breast-injected silicone: case report. Rich JD, et al. **Milit Med** 1982 May;147(5):404–5

Peritoneal responses to implanted fabrics used in operating rooms. Godleski JJ, et al. **Surgery** 1981 Nov;90(5):828–34

[Pseudo-tumour after injections of procaine-polyvinylpyrrolidone (author's transl)] Hölscher AH, et al. **Dtsch Med Wochenschr** 1982 Jan 15;107(2):51–4 (Eng. Abstr.) **(Ger)**

[Unspecific tissue reactions caused by glove powder] Kaiser W, et al. **Fortschr Med** 1982 Jul 1;100(25):1213–6 (Eng. Abstr.) **(Ger)**

IMMUNOLOGY

Electron-microscopic investigation of tattoos in rabbit skin. Mann R, et al. **Arch Dermatol Res** 1981;271(4):367–72

PATHOLOGY

Cell life on the surface of lens implants. Wolter JR. **Graefes Arch Clin Exp Ophthalmol** 1982;218(5):244–9

Foreign body giant cell reaction in lungs, liver and spleen. A complication of long term haemodialysis. Krempien B, et al. **Virchows Arch [Pathol Anat]** 1981;392(1):73–80

[Reaction to foreign body and latero-vaginal mass. Cytological diagnosis. A case report (author's transl)] Abboud J, et al. **Arch Anat Cytol Pathol** 1981;29(5):308–10 (Eng. Abstr.) **(Fre)**

[The reaction of the human middle ear mucosa to the implantation of plastics. A light and electronmicroscopic study] Galić M, et al. **Laryngol Rhinol Otol (Stuttg)** 1982 Jan;61(1):30–4 (Eng. Abstr.) **(Ger)**

[Postmortem findings in peritonitis (author's transl)] Jansen HH. **Leber Magen Darm** 1981 Aug;11(4):167–73 (46 ref.) (Eng. Abstr.) **(Ger)**

[Mechanisms of metaplasia of the ductal epithelium of organs of the pancreatico-biliary system] Shalimov AA, et al. **Biull Eksp Biol Med** 1981 Jul;92(7):112–5 (Eng. Abstr.) **(Rus)**

PHYSIOPATHOLOGY

The wear particles of synovial fluid: their ferrographic analysis and pathophysiological significance. Evans CH, et al. **Bull Prosthet Res** 1981 Fall;18(2):13–26

PREVENTION & CONTROL

Avoiding silicone cell inclusions from peristaltic pumps [letter] Albisser AM, et al. **Lancet** 1982 Mar 6;1(8271):563

RADIOGRAPHY

Case report 174: 'Cottonballoma' of femur (due to retained surgical sponge with foreign body giant cell reaction). Sexton CC, et al. **Skeletal Radiol** 1981;7(3):211–3

SURGERY

[Delayed treatment of foreign body tattooings of the face by means of punch plastics (author's transl)] Sebastian G, et al. **Dermatol Monatsschr** 1981 May;167(5):298–302 (Eng. Abstr.) **(Ger)**

FOREIGN MEDICAL GRADUATES

Foreign medical graduates: transcultural psychoanalytic perspectives. Davidson L. **J Am Acad Psychoanal** 1982 Apr;10(2):211–24

Quality of preparation for the practice of medicine in certain foreign-chartered medical schools. Adopted June 25, 1981, by the Executive Council of the Association of American Medical Colleges. **J Med Educ** 1981 Nov;56(11):963–79

FLEX I and II: some unanswered questions [editorial] Derbyshire RC. **J Med Educ** 1981 Nov;56(11):923–4

Career destiny of 550 Americans several years after graduating from a foreign medical school. McGuinness AC, et al. **J Med Educ** 1982 Aug;57(8):581–5

Evaluation and the recent medical graduate. Egan RL. **JAMA** 1982 Jun 4;247(21):2931–3

Medical schools without walls. Self-instruction abroad. Loiterman DA, et al. **JAMA** 1981 Oct 16;246(16):1801–3

Overseas qualifications [letter] **Med J Aust** 1982 Jan 23; 1(2):59

Training of FMGs in the U. S. [letter] **N Engl J Med** 1981 Nov 19;305(21):1286–7

Treatment of psychologic problems by nonpsychiatrist foreign medical school graduates. Sorensen AA, et al. **NY State J Med** 1981 Nov;81(12):1802–4

Foreign Medical Graduates: 'We're American doctors, too!' Barnes FV. **Ohio State Med J** 1982 Mar;78(3):159

LEGISLATION & JURISPRUDENCE

New York state and students and graduates of foreign medical schools [letter] **N Engl J Med** 1981 Oct 22; 305(17):1020–1

STANDARDS

Oversea qualifications [letter] Biazza A. **Med J Aust** 1981 Oct 31;2(9):454

Registration of foreign-trained doctors [letter] Kench P. **Med J Aust** 1982 Mar 20;1(6):249–50

SUPPLY & DISTRIBUTION

Foreign medical graduates and physician assistants [letter] Cawley JF. **JAMA** 1982 Feb 19;247(7):977

Medical immigration [letter] Holmes J. **NZ Med J** 1981 Nov 25;94(696):395

FOREIGN PROFESSIONAL PERSONNEL

Profile of AVMA-certified foreign graduates. Gloyd J, et al. **J Am Vet Med Assoc** 1981 Sep 1;179(5):435–6

SUPPLY & DISTRIBUTION

Recruitment of foreign nurses grows as demand for services expands. Brock B. **Hospitals** 1982 Mar 16;56(6):49

FORELIMB

Treatment of hygromata in horses. van Veenendaal JC, et al. **Aust Vet J** 1981 Nov;57(11):513–4

Tendon fibromas in 2 horses. Adams SB, et al. **Equine Vet J** 1982 Jan;14(1):95–7

Some evidence for concurrent involvement of the fore- and hindleg muscles in murine muscular dystrophy. Totsuka T, et al. **Jikken Dobutsu** 1981 Oct;30(4):465–70

[Chronic carpal injuries in the horse. A survey (author's transl)] Milde AK. **Nord Vet Med** 1981 Mar;33(3):105–13 (Eng. Abstr.) **(Nor)**

ABNORMALITIES

Cell-cell interaction by mouse limb cells during in vitro chondrogenesis: analysis of the brachypod mutation. Owens EM, et al. **Dev Biol** 1982 Jun;91(2):376–88

Limb deformities in foals associated with ingestion of locoweed by mares. McIlwraith CW, et al. **J Am Vet Med Assoc** 1982 Aug 1;181(3):255–8

A high incidence of congenital angular limb deformities in a group of foals. Mason TA. **Vet Rec** 1981 Aug 1; 109(5):93–4

ANATOMY & HISTOLOGY

Functional transformation of the fascia brachii lateralis and fascia antebrachii on the forelimb of sports horses. Gyürü F. **Acta Vet Acad Sci Hung** 1981;29(2):197–212

Recent observations on the fasciae of the equine forelimb. Gyürü F. **Acta Vet Acad Sci Hung** 1981;29(1):91–110

A comparison of unofficial and proper anatomic terms: bones of the thoracic limb. Shively MJ. **J Am Vet Med Assoc** 1982 Apr 15;180(8):849–53

The anatomy of the carpal tendon sheath of the horse. Leach D, et al. **J Anat** 1981 Sep;133(Pt 2):301–7

[Evolutionary dispositon of the thoracic extremities and the fate of the coracoids and scapulae in vertebrates] Manzil SF, et al. **Arkh Anat Gistol Embriol** 1981 Jul;81(7):20–8 (Eng. Abstr.) **(Rus)**

BLOOD SUPPLY

Transient effects of histamine on microvascular fluid movement. Korthuis RJ, et al. **Microvasc Res** 1982 May; 23(3):316–28

EMBRYOLOGY

Distribution of fibronectin and collagen during mouse limb and palate development. Silver MH, et al. **Differentiation** 1981;18(3):141–9

Evidence that patterning mechanisms in developing and regenerating limbs are the same. Muneoka K, et al. **Nature** 1982 Jul 22;298(5872):369–71

GROWTH & DEVELOPMENT

The regeneration of axolotl limbs covered by frog skin. Carlson BM. **Dev Biol** 1982 Apr;90(2):435–40

INJURIES

Exercise in diagnostic radiology: acute periostitis associated with a soft tissue abscess caused by a puncture wound. Farrow CS. **Can Vet J** 1981 Jul;22(7):213–4

INNERVATION

Modulation of transmission in forelimb flexion reflex pathways by elbow joint afferent discharge in decerebrate cats. Baxendale RH, et al. **Brain Res** 1981 Sep 28; 221(2):393–6

The effect of electrical stimulation of brachiospinal nerves on protein synthesis in the forelimb regenerate of the newt. Maier CE, et al. **Brain Res** 1982 Jan;255(1):155–9

Arm trajectory formation in monkeys. Bizzi E, et al. **Exp Brain Res** 1982;46(1):139–43

Interlimb coordination in cat locomotion investigated with perturbation. II. Correlates in neuronal activity of Deiter's cells of decerebrate walking cats. Udo M, et al. **Exp Brain Res** 1982;46(3):438–47

Magnification functions and receptive field sequences for submodality-specific bands in SI cortex of cats. Dykes RW, et al. **J Comp Neurol** 1981 Nov 10;202(4):597–620

Neurotropic influence of mesenchymal limb target tissue on spinal cord neurite growth in vitro. Pollack ED, et al. **J Comp Neurol** 1981 Aug 10;200(3):393–405

Reorganization of raccoon somatosensory cortex following removal of the fifth digit. Rasmusson DD. **J Comp Neurol** 1982 Mar 10;205(4):313–26

Thalamic relay for group I muscle afferents of forelimb nerves in the monkey. Maendly R, et al. **J Neurophysiol** 1981 Nov;46(5):901–17

PATHOLOGY

Osteochondritis dissecans and fragmentation of the coronoid process in the elbow joint of the dog. Bennett D, et al. **Vet Rec** 1981 Oct 10;109(15):329–36

PHYSIOLOGY

Forelimb movements in cats with complete or partial bulbar pyramid lesions. Dalmeida RE, et al. **Acta Neurobiol Exp (Warsz)** 1981;41(5):509–12

Carcinogens on regeneration. Effects of N-methyl-N'-nitro-N-nitrosoguanidine and 4-nitroquinoline-1-oxide on limb regeneration in adult newts. Tsonis PA, et al. **Differentiation** 1981;20(1):52–60

Promotion of mitosis in cultured newt limb regenerates by a diffusible nerve factor. Tomlinson BL, et al. **In Vitro** 1981 Feb;17(2):167–72

Regeneration of subnormally innervated axolotl arms. Wallace H, et al. **J Embryol Exp Morphol** 1981 Apr;62:1–11

The effect of limiting light to the pineal on the rate of forelimb regeneration in the newt. Maier CE, et al. **J Exp Zool** 1982 Jan 10;219(1):111–4

PHYSIOPATHOLOGY

[Stiffness of rotation of the forearm associated with contraction of the membrana interossea antebrachii (animal experiments) (author's transl)] Küsswetter W. **Z Orthop** 1982 May-Jun;120(3):364–7 (Eng. Abstr.) **(Ger)**

RADIOGRAPHY

[Radiological and clinical considerations on the proximal sesamoid bones of young horses (author's transl)] Dik KJ. **Tijdschr Diergeneeskd** 1982 Mar 15;107(6):209–14 (Eng. Abstr.) **(Dut)**

SURGERY

Lateral approach to the canine elbow by proximal ulnar diaphyseal osteotomy. Lenehan TM, et al. **J Am Vet Med Assoc** 1982 Mar 1;180(5):523–30

Autogenous free muscle grafts and regeneration in rabbits: a preliminary laboratory study. Das SK, et al. **Plast Reconstr Surg** 1982 Mar;69(3):500–8

FORENSIC DENTISTRY

see related

JURISPRUDENCE

Forensic odontology in 1980. The year in review. Eckert WG, et al. **Am J Forensic Med Pathol** 1981 Sep;2(3):253–5

A general review of bite-mark evidence. Furness J. **Am J Forensic Med Pathol** 1981 Mar;2(1):49–52

International disaster identification report. Investigative and dental aspects. Solheim T, et al. **Am J Forensic Med Pathol** 1982 Mar;3(1):63–7

Research in forensic odontology. Whittaker DK. **Ann R Coll Surg Engl** 1982 May;64(3):175–9 (47 ref.)

Analysis of dental materials as an aid to identification in aircraft accidents. Wilson GS, et al. **Aviat Space Environ Med** 1982 Apr;53(4):326–31

A plea to mark dentures [letter] Gibson P. **Br Dent J** 1982 Apr 20;152(8):263

The falsification of an odontogram. Imobersteg C. **Forensic Sci Int** 1982 Jul-Aug;20(1):77–9

Cemental annulation as an age criterion in forensic dentistry. Stott GG, et al. **J Dent Res** 1982 Jun;61(6):814–7

Bite length measurements and tooth-to-arch relationships obtained from dental casts using an X, Y-digitiser and computer. Duguid R, et al. **J Forensic Sci Soc** 1981 Jul; 21(3):211–23

'Invisible' denture identification: a forensic aid. Davis DJ. **J Prosthet Dent** 1982 Aug;48(2):221

The dimensional stability of bite marks in apples after long-term storage in a fixative. Rudland M. **Med Sci Law** 1982 Jan;22(1):47–50

[Determination of age by teeth (Part III)] Kilian J, et al. **Soud Lek** 1981;26(4 Suppl):55–9 **(Cze)**

[Determination of age by teeth (Part II)] Kilian J, et al. **Soud Lek** 1981;26(4 Suppl):49–54 **(Cze)**

[Age determination by teeth] Pilin A. **Soud Lek** 1982 Jan; 27(1):1–10 (Eng. Abstr.) **(Cze)**

[The organization of forensic investigation in mass disasters and the role of the Belgian forensic odonto-stomatologist

in the identification of victims] Cesteleyn L, et al. **Acta Stomatol Belg** 1981;78(2):107–23 **(Dut)**

[Role and contribution of the Belgian forensic dentist in the identification of disaster victims in the light of experiences at the Los Alfaques catastrophe] Cesteleyn L, et al. **Arch Belg Med Soc** 1981 Jan;39(1):32–9 **(Fre)**

[Possibilities and contribution of odonto-stomatology in medico-legal identification] Cesteleyn L, et al. **Arch Belg Med Soc** 1981 Jan;39(1):15–31 (Eng. Abstr.) **(Fre)**

[Forensic-odontologic findings in chemical destruction of a corpse] Endris R, et al. **Arch Kriminol** 1981 May–Jun; 167(5–6):164–74 **(Ger)**

[Identification of saliva stains for medicolegal investigative purposes. From the Roberts test (1881) to the Rosalki and Tarlow method (1973)] Robetti I, et al. **Minerva Stomatol** 1981 Jul–Aug;30(4):321–30 **(Ita)**

[Case of personal injury of dental interest] Robetti I, et al. **Minerva Stomatol** 1981 Nov–Dec;30(6):621–3 **(Ita)**

EDUCATION

Curricular guidelines in forensic dentistry. **J Dent Educ** 1982 Jun;46(6):344–6

HISTORY

The identification of Linda Agostini: the significance of dental evidence in the Albury Pyjama Girl case. Brown KA. **Am J Forensic Med Pathol** 1982 Jun;3(2):131–41

METHODS

Developing a forensic dental code and programme. Pierce L, et al. **Aust Dent J** 1982 Feb;27(1):16–21

Forensic dentistry. Morlang WM. **Aviat Space Environ Med** 1982 Jan;53(1):27–34

A suggested classification of bite marks in foodstuffs in forensic dental analysis. Webster G. **Forensic Sci Int** 1982 Jul–Aug;20(1):45–52

Forensic odontology--assistance in a problem of identity. Holt JK. **J Forensic Sci Soc** 1981 Oct;21(4):343–6

[Identification of saliva stains for medicolegal studies. Experimental research] Robetti I, et al. **Minerva Stomatol** 1981 Sep–Oct;30(5):425–8 (Eng. Abstr.) **(Ita)**

STANDARDS

The identification of Linda Agostini. The significance of dental evidence in the Albury 'pyjama girl' case. A case report. Brown KA. **Forensic Sci Int** 1982 Jul–Aug; 20(1):81–6

FORENSIC MEDICINE

see related
JURISPRUDENCE

Proceedings of the fourth/Symposium on Wound Ballistics. **Acta Chir Scand [Suppl]** 1982;508:1–386

Institute of Forensic Research in Cracow (Poland). Its history, organisation and activity. Markiewicz J. **Acta Med Leg Soc (Liege)** 1979;29(1):85–92

Comparison of the organization of legal medicine and of medical law in the Anglo-Saxon countries and in the countries whose laws are influenced by the Roman law. The situation in the United Kingdom. Mason JK. **Acta Med Leg Soc (Liege)** 1979;29(1):111–3

The principles or organization of the forensic medical service in the clinical centre of Novi Sad (Yugoslavia). Tasic M, et al. **Acta Med Leg Soc (Liege)** 1979;29(1):73–6

To be or not to be a medical examiner/forensic pathologist: Why? Bell JS. **Am J Forensic Med Pathol** 1982 Jun; 3(2):105–8

Medical-legal aspects of fatal myocardial infarction. Brachfeld J. **Am J Forensic Med Pathol** 1981 Dec; 2(4):359–63

Occurrence of pulmonary fat and bone marrow embolism. Buchanan D, et al. **Am J Forensic Med Pathol** 1982 Mar; 3(1):73–8

Forensic aspects of cardiac medications. Coe JI. **Am J Forensic Med Pathol** 1981 Dec;2(4):329–32

New aluminum-jacketed ammunition: the case of the 'invisible' jacket. Conradi SE. **Am J Forensic Med Pathol** 1982 Jun;3(2):153–5

Demonstrative evidence developed at the autopsy. Couch S, et al. **Am J Forensic Med Pathol** 1981 Jun;2(2):135–8

The psychiatrist and violent death investigation. Danto BL. **Am J Forensic Med Pathol** 1982 Mar;3(1):29–33

Unexplained deaths in refugees newly arrived in America. Eckert WG. **Am J Forensic Med Pathol** 1981 Jun;2(2):185–6

Exploding bullets. A hazard to the victim, physician, and investigator [editorial] Eckert WG. **Am J Forensic Med Pathol** 1981 Jun;2(2):103–4

Forensic cases of note. Eckert WG. **Am J Forensic Med Pathol** 1981 Jun;2(2):171–3

Unusual findings in medicolegal cases. Eckert WG. **Am J Forensic Med Pathol** 1981 Sep;2(3):265–70

The medicolegal and forensic aspects of fires. Eckert WG. **Am J Forensic Med Pathol** 1981 Dec;2(4):347–57

Miniature crime scenes. A novel use in crime seminars. Eckert WG. **Am J Forensic Med Pathol** 1981 Dec; 2(4):365–7

Asbestos fibers in human lung: forensic significance. Ehrenreich T, et al. **Am J Forensic Med Pathol** 1981 Mar; 2(1):67–74 (40 ref.)

Blunt force lesions related to the heights of a fall. Gupta SM, et al. **Am J Forensic Med Pathol** 1982 Mar;3(1):35–43

Multishot firearm suicide. Examination of 58 cases. Hudson P. **Am J Forensic Med Pathol** 1981 Sep;2(3):239–42

Videocamera superimposition and facial reconstruction as an aid to identification. Koelmeyer TD. **Am J Forensic Med Pathol** 1982 Mar;3(1):45–8

Preparation of gelatin blocks containing tissue samples for use in ballistics research. Lewis RH, et al. **Am J Forensic Med Pathol** 1982 Jun;3(2):181–4

Methane deaths? Was it the cause? Manning TJ, et al. **Am J Forensic Med Pathol** 1981 Dec;2(4):333–6

Isolated subarachnoid hemorrhage as a medicolegal problem. Marek Z. **Am J Forensic Med Pathol** 1981 Mar;2(1):19–22

Arcus senilis: an important forensic physical finding. Patterson L. **Am J Forensic Med Pathol** 1982 Jun;3(2):115–8

Identification of fingernail markings in manual strangulation. Perper JA, et al. **Am J Forensic Med Pathol** 1981 Mar; 2(1):45–8

Penile spherules [letter] Pervez NK. **Am J Forensic Med Pathol** 1982 Mar;3(1):9

Organization of forensic medicine in Poland. Raszeja S. **Am J Forensic Med Pathol** 1981 Sep;2(3):273–5

Forensic medicine in turkey. Salaçin S. **Am J Forensic Med Pathol** 1982 Jun;3(2):179–80

High acid phosphatase levels as a possible false indicator of the presence of seminal fluid. Shaler RC, et al. **Am J Forensic Med Pathol** 1982 Jun;3(2):161–3

Forensic drug analysis: scientist versus instrument. Sobol SP. **Am J Forensic Med Pathol** 1982 Mar;3(1):93–5

International disaster identification report. Investigative and dental aspects. Solheim T, et al. **Am J Forensic Med Pathol** 1982 Mar;3(1):63–7

Development of the Cook County Medical Examiner's new facility. Current status 1981. Stein RJ. **Am J Forensic Med Pathol** 1981 Jun;2(2):151–3

An expanding .25 ACP bullet. Steindler RA. **Am J Forensic Med Pathol** 1982 Jun;3(2):119–21

Trauma. The neglected disease in modern society [editorial] Tedeschi LG. **Am J Forensic Med Pathol** 1981 Jun; 2(2):105–6

Vaginal, rectal, and oral acid phosphatase determination in a case of rape. Teixeira WR. **Am J Forensic Med Pathol** 1982 Jun;3(2):157–9

The secret technical defence: a case for changing the law [letter] **Br Med J [Clin Res]** 1982 Feb 6;284(6313):415–6

Explosive bullets: a new hazard for doctors [editorial] Knight B. **Br Med J [Clin Res]** 1982 Mar 13;284(6318):768–9

Use of digoxin radioimmunoassay in forensic investigations of tissue distribution. Sedgwick P, et al. **Clin Toxicol** 1981 Aug;18(8):887–93

9th International Congress of the Society for Forensic Haemogenetics, Bern. Abstracts. **Forensic Sci Int** 1981 Nov–Dec;18(3):231–300

Hospital crimes and hazards--forensic aspects. **Forensic Sci Int** 1982 May–Jun;19(3):289–93

The use of 13C NMR spectroscopy in forensic drug analysis. Alm S, et al. **Forensic Sci Int** 1982 May–Jun;19(3):271–80

The use of scanning electron microscopy in the examination of seminal stains. Concheiro L, et al. **Forensic Sci Int** 1982 Mar–Apr;19(2):185–8

Direct fluorometric determination of cyanide in human materials. Suzuki O, et al. **Forensic Sci Int** 1982 Mar–Apr; 19(2):189–95

Spermatozoa--their persistence after sexual intercourse. Willott GM, et al. **Forensic Sci Int** 1982 Mar–Apr; 19(2):133–54 (26 ref.)

Progress in forensic toxicology: beyond analytical chemistry. Finkle BS. **J Anal Toxicol** 1982 Mar–Apr;6(2):57–61

Sperm and acid phosphatase examination of the rape patient: medicolegal aspects. Smally AJ. **J Fam Pract** 1982 Jul; 15(1):170–1

Tempered plate glass as an intermediate target and its effects on gunshot wound characteristics. Dixon DS. **J Forensic Sci** 1982 Jan;27(1):205–8

Suicide with two guns fired simultaneously [letter] Hudson P. **J Forensic Sci** 1982 Jan;27(1):6–7

Bullet ricochet in automobile ceilings. Janssen DW, et al. **J Forensic Sci** 1982 Jan;27(1):209–12

An intelligence approach to footwear marks and toolmarks. Davis RJ. **J Forensic Sci Soc** 1981 Jul;21(3):183–93

Photographic negatives as evidence--a case report. Gupta SK, et al. **J Forensic Sci Soc** 1981 Oct;21(4):355–7

The use of 'Calflex' infrared reflecting mirrors to enhance infrared luminescence. Totty RN, et al. **J Forensic Sci Soc** 1981 Oct;21(4):359

Recall of witnesses under hypnosis. Wagstaff GF. **J Forensic Sci Soc** 1982 Jan;22(1):33–9

Neuropathology and forensic pathology: two viewpoints [editorial] Rorke LB, et al. **J Neuropathol Exp Neurol** 1982 Mar;41(2):109–10

Malpractice liability of referring and consulting physicians. Wark PM. **J SC Med Assoc** 1981 Nov;77(11):563–6

Medicine and the Law. Inquest to be held into the death of Helen Smith. Brahams D. **Lancet** 1982 Aug 7; 2(8293):340–1

The Leicester case. Cordner SM. **Med J Aust** 1982 Apr 3; 1(7):313–4

Fire deaths in the Glasgow area: I General considerations and pathology. Anderson RA, et al. **Med Sci Law** 1981 Jul;21(3):175–83

Fire deaths in the Glasgow area: III. The role of hydrogen cyanide. Anderson RA, et al. **Med Sci Law** 1982 Jan; 22(1):35–40

Aircrash on Mount Erebus. Cairns FJ, et al. **Med Sci Law** 1981 Jul;21(3):184–8

The appearance and grouping of mixtures of semen and vaginal material. Davies A. **Med Sci Law** 1982 Jan; 22(1):21–30

The applications of ultraviolet photography in clinical forensic medicine. Hempling SM. **Med Sci Law** 1981 Jul; 21(3):215–22

Young's modulus in the identification of human scalp hair. Johri MC, et al. **Med Sci Law** 1982 Jan;22(1):63–7

The value of firearms examination for the defence. McCafferty J. **Med Sci Law** 1981 Jul;21(3):170–4

Asymmetric hypertrophy of the heart and acute alcohol intoxication: a medico-legal problem. Odesanmi WO. **Med Sci Law** 1982 Jan;22(1):53–6

Identification of cut-compression marks on central conductors of radar antenna. Tripathi RS. **Med Sci Law** 1981 Oct;21(4):273–4

Thin layer chromatography as a routine appropriate techniques for the determination of bipyridylium herbicides in post mortem human tissues. Van den Heede M, et al. **Med Sci Law** 1982 Jan;22(1):57–62

Neonaticide, infanticide and child homicide. Wilkey I, et al. **Med Sci Law** 1982 Jan;22(1):31–4

Systems for human identification. Froede RC, et al. **Pathol Annu** 1981;16 Pt 1:337–65

A guide to the forensic autopsy--conceptual aspects. Wright RK, et al. **Pathol Annu** 1981;16(Pt 2):273–88

Determining the so-called moment of death in homicide victims. The significance of antemortem wounds and the postmortem interval. Moar JJ. **S Afr Med J** 1982 Jul 10; 62(2):64–6

[Determining the age of cerebral contusions] Nádvorník F, et al. **Soud Lek** 1982 May;27(2):17–26 (Eng. Abstr.) **(Cze)**

[Determination of carbon monoxide in the bood by a microdiffusion method and its use with putrescent and dried blood] Volf K, et al. **Soud Lek** 1981 May;26(2):24–6 **(Cze)**

[Extraction of drugs from biological material using kieselguhr] Volf K, et al. **Soud Lek** 1981 May;26(2):27–9 **(Cze)**

The battered child syndrome--a forensic pathologist's viewpoint. Wecht CH, et al. **Med Trial Tech Q** 1981 Summer;28(1):1–24 **(eng)**

[Forensic medicine in the hospital. 11th Congress of the International Academy of Forensic Medicine and Social Medicine. Lyons, (France) 27–30 August 1979] **Acta Med Leg Soc (Liege)** 1979;29(1):1–119 **(Fre)**

[Several aspects of the integration of legal medicine into health care] Ander Z. **Acta Med Leg Soc (Liege)** 1979; 29(1):99–102 **(Fre)**

[The medico-legal department at the Niguarda-Cà Granda Hospital in Milan, Italy] Bouland GM. **Acta Med Leg Soc (Liege)** 1979;29(1):103–10 **(Fre)**

[The Lyons hospital medico-legal organization] Chevance M. **Acta Med Leg Soc (Liege)** 1979;29(1):33–4 **(Fre)**

[Relations between forensic medicine and social security] Durier D. **Acta Med Leg Soc (Liege)** 1979;29(1):35–7 **(Fre)**

[The legal medicine department in hospitals] Jokanovic D, et al. **Acta Med Leg Soc (Liege)** 1979;29(1):69–72 **(Fre)**

[Organization of legal medicine in Poland] Lewkowski W. **Acta Med Leg Soc (Liege)** 1979;29(1):77–84 **(Fre)**

[Relations of the Lyons organization of legal medicine to the medical control of social security] Malot J. **Acta Med Leg Soc (Liege)** 1979;29(1):39–42 **(Fre)**

[Forensic medicine in the hospital. Experiences of the Lyons University Medical Center of Forensic Medicine] Medouze M, et al. **Acta Med Leg Soc (Liege)** 1979;29(1):17–32 **(Fre)**

[Legal medical service at the Pasteur Hospital] Ollier A, et al. **Acta Med Leg Soc (Liege)** 1979;29(1):63–8 **(Fre)**

[Reflections on medico-legal activities at two university-medical centers] Piva C, et al. **Acta Med Leg Soc (Liege)** 1979;29(1):57–61 **(Fre)**

[Current development and organization of legal medicine in Poland] Raszeja S. **Acta Med Leg Soc (Liege)** 1979; 29(1):93–8 **(Fre)**

[Forensic medicine in the hospital. Foreword] Roche L. **Acta Med Leg Soc (Liege)** 1979;29(1):11–6 **(Fre)**

[Forensic medicine in the hospital. Conclusions] Roche L. **Acta Med Leg Soc (Liege)** 1979;29(1):115–9 **(Fre)**

[Organization of Belgian medicolegal operations in case of disasters on national and foreign territory] Timperman J, et al. **Arch Belg Med Soc** 1981 Mar;39(3):175–81 **(Fre)**

[The physician between the delinquent and the judge (author's transl)] Charles-Nicolas A, et al. **Sem Hop Paris** 1981 Apr 18–25;57(15–16):830–3 (Eng. Abstr.) **(Fre)**

[Pregnancy after vasectomy and its possible legal consequences for the surgeon] Kuhlwein A, et al. **Andrologia** 1981 Jul–Aug;13(4):359–62 (Eng. Abstr.) **(Ger)**

[The danger of absolute short distance shots from gas pistols] Geertinger P, et al. **Arch Kriminol** 1981 Nov–Dec; 168(5–6):171–5 **(Ger)**

[Gas pistol shots] Schulz G, et al. **Arch Kriminol** 1981

Nov-Dec;168(5-6):165-70 (Ger)
[Sources of error in identification with excreted substances] Schwerd W, et al. **Arch Kriminol** 1981 Sep-Oct; 168(3-4):93-100 (Ger)
[59th Annual Meeting of the German Society for Forensic Medicine. 24-28 September 1980, Heidelberg] **Beitr Gerichtl Med** 1981;39:1-435 (Ger)
[Legal aspects of dizziness following craniocerebral injuries] Moser M. **Fortschr Med** 1981 Apr 9;99(14):505-10 (Eng. Abstr.) (Ger)
[Reflections on the connection between trauma and malignant intraocular melanoma (author's transl)] Mewe L, et al. **Klin Monatsbl Augenheilkd** 1981 Jul;179(1):48-50 (Eng. Abstr.) (Ger)
[Occupational and environmentally caused diseases of the respiratory tract and obligatory reporting] Fruhmann G. **Med Welt** 1981 Sep 4;32(36):1309-13 (Ger)
[Prevention of aviation accidents from the forensic medicine viewpoint] Mallach HJ, et al. **Med Welt** 1982 Jun 11; 33(23):840-6 (Ger)
[Significance of roentgen diagnosis in traffic accident research] Mittmeyer HJ. **Med Welt** 1981 Oct 9; 32(41):1526-8 (Ger)
[Forensic problems of organ transplantation] Spann W. **Med Welt** 1981 Nov 20;32(47):1782 (Ger)
[Therapy studies today - legal problems and solution] Schönharting M. **MMW** 1981 Dec 18;123(51-52):1959-60 (Ger)
[Statistical studies of concussion (author's transl)] Laubichler W, et al. **Nervenarzt** 1981 Nov;52(11):660-3 (Ger)
[The skull as object of identification in the comparison of X-ray pictures (author's transl)] Markert K, et al. **Radiol Diagn (Berl)** 1981;22(6):764-71 (Ger)
[Statement of identity of unknown dead persons by the comparison of X-ray pictures on distal extremity region (author's transl)] Markert K, et al. **Radiol Diagn (Berl)** 1981; 22(6):772-80 (Eng. Abstr.) (Ger)
[Radiological identification on the adult pelvic skeleton in the presence of intravital films from childhood (author's transl)] Markert K, et al. **Radiol Diagn (Berl)** 1981; 22(5):646-50 (Eng. Abstr.) (Ger)
[A new procedure for increasing the exactness of X-ray image comparison in skeletal regions poor in characteristics (author's transl)] Markert K, et al. **Radiol Diagn (Berl)** 1982 Mar;23(2):256-60 (Eng. Abstr.) (Ger)
[Identification of persons by the comparison of chest X-ray-importance, technique and problems] Markert K, et al. **Radiol Diagn (Berl)** 1982 Mar;23(2):243-55 (Ger)
[The physician as the expert in civil legal suits] Weimar W. **Ther Ggw** 1981 Aug;120(8):748-52 (Ger)
[The significance of shock mechanisms for the alcohol opinion (author's transl)] Brettel HF. **Z Rechtsmed** 1982; 88(3):165-71 (Eng. Abstr.) (Ger)
[Estimation of death-time by computing the rectal body cooling under various cooling conditions (author's transl)] Henssge C. **Z Rechtsmed** 1981;87(3):147-78 (Eng. Abstr.) (Ger)
[Suicidal strangulation by ligature (author's transl)] Koops E, et al. **Z Rechtsmed** 1982;88(3):221-31 (Eng. Abstr.) (Ger)
[Occupationally induced hearing loss from recognition to acknowledgment from the view of a state industrial physician] Weber H. **Zentralbl Arbeitsmed Arbeitsschutz Prophyl Ergonomie** 1981 Jun;31(6):234-41 (Ger)
[Some forensic viewpoints on radiation induced late reactions of the nervous system from the neurologic view] Lössner J. **Zentralbl Neurochir** 1982;43(1):25-34 (Ger)
[Factorial calculation of the test variables in use at the Military Air Force Medico-legal institutes] Sparvieri F, et al. **Riv Med Aeronaut Spaz** 1980 Jul-Dec;43(3-4):386-91 (Ita)
[Usefulness of the results of the Dunnill-Whitehead quantitative method compared to the author's own morphological assessment of the lungs of fetuses and neonates from the forensic medical viewpoint] Stańczyk J. **Ann Acad Med Stetin** 1981;27:279-95 (Eng. Abstr.) (Pol)
[Determination of the species origin of skin by x-ray and histological study methods] Baryshnikov SN. **Sud Med Ekspert** 1981 Jul-Aug;24(3):22-4 (Rus)
[Differential diagnostic signs of bone injuries of the cranial vault by objects with a limited flat surface] Kodin VA. **Sud Med Ekspert** 1981 Jul-Aug;24(3):8-10 (Rus)
[Characteristics of fractures of the spinous processes of the thoracic vertebrae in a blow from a heavy blunt object] Konovalov AI. **Sud Med Ekspert** 1981 Jul-Aug;24(3):10-2 (Rus)
[Participation of forensic medical experts in improving medical care for the population and in conducting prophylactic programs] Lukash AA. **Sud Med Ekspert** 1981 Jul-Aug;24(3):49-51 (Rus)
[Forensic medical classification of aviation injuries] Popov VL. **Sud Med Ekspert** 1982 Jan-Mar;25(1):18-20 (Rus)
[Grading the severity of ankle injuries] Pozharskii VP. **Sud Med Ekspert** 1982 Jan-Mar;25(1):22-5 (Rus)
[Basic functions of forensic chemistry departments in republic forensic medical laboratories] Rubtsov AF. **Sud Med Ekspert** 1981 Oct-Dec;24(4):38-41 (Rus)
[Joint work of forensic medical expertise with public health departments] Velisheva LS, et al. **Sud Med Ekspert** 1981 Jul-Aug;24(3):48-9 (Rus)
[Forensic medical characteristics of injuries caused by the KS-2.6 silage harvester] Zaval'niuk AKh. **Sud Med Ekspert** 1981 Jul-Aug;24(3):12-4 (Rus)

EDUCATION

The use of video recording in an MSc instructional course in forensic science as an aid to assessing students' ability as expert witnesses. Caddy B, et al. **J Forensic Sci Soc** 1981 Jul;21(3):195-200
[The ecology course with possibilities for new instruction formats in forensic medicine] Althoff H. **Beitr Gerichtl Med** 1981;39:195-9 (Eng. Abstr.) (Ger)
[Creation of a course in forensic medicine at the Ruhr University in Bochum] Rittner C. **Beitr Gerichtl Med** 1981; 39:221-5 (Eng. Abstr.) (Ger)
[Forensic medicine in the mirror of judgment by students. Results of a survey] Schulz E. **Beitr Gerichtl Med** 1981; 39:215-20 (Eng. Abstr.) (Ger)
[Education in forensic medicine after the new approbation regulation] Schwerd W. **Beitr Gerichtl Med** 1981;39:189-93 (Eng. Abstr.) (Ger)
[Problems in forensic medicine education in Japan] Suzuki T. **Beitr Gerichtl Med** 1981;39:213-4 (Eng. Abstr.) (Ger)
[From regulated instruction to the open course principle. A suggestion for solving absenteeism tendencies using forensic medicine as an example] Teige K. **Beitr Gerichtl Med** 1981;39:227-31 (Eng. Abstr.) (Ger)
[Organization of student instructional, academic and research work in the Department of Forensic Medicine of the Leningrad Health and Hygiene Medical Institute] Dement'eva NM, et al. **Sud Med Ekspert** 1981 Oct-Dec; 24(4):49-51 (Rus)
[Work experience in raising the qualifications of forensic medical experts in examining material evidence] Derboglav VK, et al. **Sud Med Ekspert** 1982 Apr-Jun;25(2):46-7 (Rus)
[Improving the legal training of students and forensic physicians] Sergeev IuD. **Sud Med Ekspert** 1982 Jan-Mar; 25(1):49-50 (Rus)
[Concern and attention to scientific research and the training of science teaching personnel] Shirinskil PP, et al. **Sud Med Ekspert** 1981 Oct-Dec;24(4):3-6 (Rus)
[Training of internists in forensic medicine] Zagriadskaia AP, et al. **Sud Med Ekspert** 1982 Apr-Jun;25(2):45-6 (Rus)

HISTORY

The identification of Linda Agostini: the significance of dental evidence in the Albury Pyjama Girl case. Brown KA. **Am J Forensic Med Pathol** 1982 Jun;3(2):131-41
Electrical burns of the skin. Medicolegal investigation. Dutra FR. **Am J Forensic Med Pathol** 1981 Dec;2(4):309-12
Identification of the remains of John Paul Jones: a look at early methods. Eckert WG. **Am J Forensic Med Pathol** 1982 Jun;3(2):143-52
Advances in American forensic sciences. California's role. Eckert WG. **Am J Forensic Med Pathol** 1981 Jun; 2(2):155-61
American forensic sciences 1776-1976. Eckert WG. **Am J Forensic Med Pathol** 1982 Mar;3(1):57-62
Leone Lattes: Italy's pioneer in forensic serology. Giusti GV. **Am J Forensic Med Pathol** 1982 Mar;3(1):79-81
History of the methods of detecting murder. Helpern M. **Am J Forensic Med Pathol** 1981 Mar;2(1):61-5
Classical mistakes in forensic pathology: Alan R. Moritz (American Journal of Clinical Pathology, 1956). Moritz AR. **Am J Forensic Med Pathol** 1981 Dec;2(4):299-308
The Massachusetts Medico-Legal Society. The early years. Tedeschi LG. **Am J Forensic Med Pathol** 1981 Sep; 2(3):257-60
[History of medical expert testimony in Hungary. 25 years of the Forensic Committee of the Scientific Health Board] Somogyi E. **Orv Hetil** 1981 Nov 15;122(46):2851-3 (Hun)
[From the history of Soviet forensic medical journals] Akopov VI, et al. **Sud Med Ekspert** 1982 Jan-Mar; 25(1):53-5 (Rus)
[Basic achievements of the scientific activities of the Research Institute of Forensic Medicine over the past 50 years] Kapustin AV, et al. **Sud Med Ekspert** 1981 Oct-Dec; 24(4):7-10 (Rus)
[30th anniversary of the activities of the Estonian branch of the All-Union Society of Forensic Physicians] Lukash AA. **Sud Med Ekspert** 1982 Apr-Jun;25(2):57-9 (Rus)

INSTRUMENTATION

A new casting material for forensic use. Carlsson K. **Am J Forensic Med Pathol** 1982 Mar;3(1):83-7

LEGISLATION & JURISPRUDENCE

The secret technical defence: a case for changing the law [letter] **Br Med J [Clin Res]** 1982 Jan 2;284(6308):47-8
Medical examiner/coroner jurisdiction in cases involving federal interests. Spencer JD. **J Forensic Sci** 1982 Apr; 27(2):408-11
Medical examiner's authority; challenges to perform autopsies. Rho YM. **NY State J Med** 1981 Oct; 81(11):1687-8
[Positions on the All-Union 'Rules for the Forensic Medical Determination of the Degree of Severity of Bodily Injuries'] Kupov IIa. **Sud Med Ekspert** 1982 Apr-Jun; 25(2):47-8 (Rus)

METHODS

Probabilities and human hair comparison. Barnett PD, et al. **J Forensic Sci** 1982 Apr;27(2):272-8
Shotgun diagnosis: 'it ought to be something else'. Froede RC, et al. **J Forensic Sci** 1982 Apr;27(2):428-32
A supplementary discussion of probabilities and human hair comparisons. Gaudette BD. **J Forensic Sci** 1982 Apr; 27(2):279-89
Phosphoglucomutase1 and 6-phosphogluconate dehydrogenase types in human skin and adipose tissue. Katsumata Y, et al. **J Forensic Sci** 1982 Jan;27(1):192-5
Handgun pellet ammunition ('snake shot') wounds: report of three cases. Leffers B, et al. **J Forensic Sci** 1982 Apr; 27(2):433-7
Fingerprint comparison. II: On the development of a single fingerprint filing and searching system. Liu JH, et al. **J Forensic Sci** 1982 Apr;27(2):305-17
Radiologic examination of anatomic parts and skeletonized remains. Murphy WA, et al. **J Forensic Sci** 1982 Jan; 27(1):9-18
Analysis of long-range bullet entrance holes by atomic absorption spectrophotometry and scanning electron microscopy. Ravreby M. **J Forensic Sci** 1982 Jan; 27(1):92-112
Application of proton-induced X-ray emission technique to gunshot residue analyses. Sen P, et al. **J Forensic Sci** 1982 Apr;27(2):330-9
Interpretation of Gm testing results: two case histories. Shaler RC. **J Forensic Sci** 1982 Jan;27(1):231-5
The application of derivative UV-visible spectroscopy in forensic toxicology. Gill R, et al. **J Forensic Sci Soc** 1982 Apr;22(2):165-71
A review of the use of saliva in the forensic detection of drugs and other chemicals. Idowu OR, et al. **J Forensic Sci Soc** 1982 Apr;22(2):123-35 (111 ref.)
Managing sites containing skeletonized remains and related artifacts. Goyne TE. **Med Leg Bull** 1981 Sep-Oct; 30(5):1-12
Reconstructing the face from the skull as a means of identification. Goyne TE. **Med Leg Bull** 1982 Jan-Feb; 31(1):1-16
[Detection of amniotic fluid spots by placental alkaline phosphatase] Strejc P. **Cesk Patol** 1981 Aug;17(3):43-6 (Eng. Abstr.) (Cze)
[Method for differentiating between seminal and vaginal acid phosphatase] Dobisková M, et al. **Soud Lek** 1982 Jan; 27(1):11-3 (Eng. Abstr.) (Cze)
[Modified use of the histochemical membrane technic for proving placental alkaline phosphatase in spots from amniotic fluid] Strejc P, et al. **Soud Lek** 1982 Jan;27(1):14-6 (Eng. Abstr.) (Cze)
[Roentgenological identification of corpses by means of the bone structure of the front chest wall] Teige K, et al. **Arch Kriminol** 1981 Sep-Oct;168(3-4):78-86 (Ger)
[Use of 2 identification methods] Eisenmenger W, et al. **Beitr Gerichtl Med** 1981;39:137-50 (Eng. Abstr.) (Ger)
[Microspectralphotometric measurements of textile fibers in light] Hager W, et al. **Beitr Gerichtl Med** 1981;39:151-6 (Eng. Abstr.) (Ger)
[Erythrocyte membrane antigen systems Lutheran, Colton and Dombrock in forensic hemogenetics] Henke J. **Beitr Gerichtl Med** 1981;39:101-8 (Eng. Abstr.) (Ger)
[Quantification of guilt in traffic jurisprudence] Kaiser G. **Beitr Gerichtl Med** 1981;39:247-50 (Ger)
[Trace technical reconstruction of typical movement processes in real pedestrian-automobile accidents] König HG, et al. **Beitr Gerichtl Med** 1981;39:347-55 (Eng. Abstr.) (Ger)
[Disability determination. Definition in: social insurance, compensation right, private insurance] Raestrup O. **Beitr Gerichtl Med** 1981;39:251-5 (Eng. Abstr.) (Ger)
[Comparative examinations of the forensic medicinal significance of myoglobin determination in sinus, heart and femoral blood] Tröger HD, et al. **Beitr Gerichtl Med** 1981; 39:317-20 (Eng. Abstr.) (Ger)
[Forensic medicine reconstruction of traffic accidents after surgical procedures] Walz F. **Beitr Gerichtl Med** 1981; 39:265-8 (Eng. Abstr.) (Ger)
[Suggestions for a more effective prevention of paramedical quackery] Wimmer W. **Beitr Gerichtl Med** 1981;39:239-42 (Eng. Abstr.) (Ger)
[Radiographic investigation during medico-legal autopsies (author's transl)] Bratzke H, et al. **ROFO** 1982 Apr; 136(4):463-72 (Eng. Abstr.) (Ger)
[Value of correlating medicolegal examinations of flight crews with interpretations of on-board flight recorder entries] Alpatov IM. **Sud Med Ekspert** 1982 Jan-Mar; 25(1):21-2 (Rus)
[Serial method for establishing the presence of blood in stains by the technic of direct radial microchromatography on paper] Dzhalalov DD, et al. **Sud Med Ekspert** 1982 Jan-Mar;25(1):39-41 (Rus)
[Electrophoresis on sheets of cellulose acetate in the examination of material evidence] Gurtovaia SV, et al. **Sud Med Ekspert** 1982 Jan-Mar;25(1):38-9 (Rus)
[Possibility of using computerized automatic classification methods in forensic medical practice] Ivanov VK, et al. **Sud Med Ekspert** 1981 Oct-Dec;24(4):37-8 (Rus)
[Possibility of specifying the near distance of a shot from a Makarov pistol] Kupov IIa, et al. **Sud Med Ekspert** 1981

Oct–Dec;24(4):19–20 **(Rus)**

[Trends in using entomological and botanical methods for establishing the time of death] Marchenko MI. **Sud Med Ekspert** 1982 Apr–Jun;25(2):29 **(Rus)**

[Demonstration and medicolegal evaluation of micro-injuries to the bones of the skull] Semennikov VS, et al. **Sud Med Ekspert** 1982 Jan–Mar;25(1):25–6 **(Rus)**

[Theoretical prerequisites for utilizing the mathematical modeling method in forensic medical identification studies] Zagriadskaia AP, et al. **Sud Med Ekspert** 1981 Jul–Aug; 24(3):5–8 **(Rus)**

[Use of luminescent microscopy in forensic cytology studies] Zagriadskaia AP, et al. **Sud Med Ekspert** 1982 Jan–Mar; 25(1):35–7 **(Rus)**

[Use of the tartaric acid reaction for the presence of sperm in the forensic medical study of material evidence] Zaretskaia EF, et al. **Sud Med Ekspert** 1981 Oct–Dec; 24(4):35–6 **(Rus)**

STANDARDS

The approach of the New Zealand forensic scientist. Shanahan R. **Forensic Sci Int** 1982 May–Jun;19(3):237–41

Evaluation of medicolegal investigators' suspicions and positive toxicology findings in 100 drug deaths. Ernst MF, et al. **J Forensic Sci** 1982 Jan;27(1):61–5

TRENDS

Forensic agencies in the Republic of Ireland. Harbison J. **Am J Forensic Med Pathol** 1981 Jun;2(2):175–7

The future of the forensic sciences. Mant AK. **J Forensic Sci Soc** 1982 Apr;22(2):211–6

[The Milton Helpern International Center for Forensic Medicine. Activity report] Eckert WG. **Beitr Gerichtl Med** 1981;39:201–7 (Eng. Abstr.) **(Ger)**

[Eritis sicut deus – medicine and law] Bachmann W. **Med Welt** 1981 Nov 6;32(45):1725–8 **(Ger)**

[The unclear death. Negative trends in legal care and health care] Brinkmann B, et al. **Pathologe** 1981 Aug;2(4):201–7 **(Ger)**

[Role and task of the Order of the Red Banner of Labor Forensic Medicine Research Institute in organizing research throughout the country] Gromov AP. **Sud Med Ekspert** 1982 Jan–Mar;25(1):3–7 (Eng. Abstr.) **(Rus)**

[Prospects for the introduction of spectral methods into forensic medical casework] Nazarov GN, et al. **Sud Med Ekspert** 1982 Jan–Mar;25(1):30–2 **(Rus)**

[Current status and tasks for the further improvement of the medicolegal evaluation of alcoholic intoxication] Tomilin VV, et al. **Sud Med Ekspert** 1982 Jan–Mar;25(1):12–8 **(Rus)**

FORENSIC PSYCHIATRY

Psychiatric aspects of homicide. Pétursson H, et al. **Acta Psychiatr Scand** 1981 Nov;64(5):363–72

Criminal justice and psychiatry: a study of the pattern of criminality in Ibadan division. Odejide AO. **Afr J Med Med Sci** 1979 Mar–Jun;8(1–2):41–4

Some clinical aspects of criminology: a study of criminal psychiatric patients at the Lantoro Long-Stay Psychiatric Institution, Abeokuta, Nigeria. Odejide AO. **Afr J Psychiatr** 1981 Jan–Apr;7(1–2):11–6

The psychiatrist and violent death investigation. Danto BL. **Am J Forensic Med Pathol** 1982 Mar;3(1):29–33

Guilty but mentally ill: a retreat from the insanity defense. Sherman SL. **Am J Law Med** 1981 Summer;7(2):237–64

Clinical issues in the assessment of competency. Appelbaum PS, et al. **Am J Psychiatry** 1981 Nov;138(11):1462–7

The psychiatrist–witness and legal guilt. Bursten B. **Am J Psychiatry** 1982 Jun;139(6):784–8

Assaultive behavior: voluntary versus involuntary admission [letter] Lakovics M. **Am J Psychiatry** 1982 Jun;139(6):847

Detention and rearrest rates of persons found not guilty by reason of insanity and convicted felons. Pasewark RA, et al. **Am J Psychiatry** 1982 Jul;139(7):892–7

Differences between forensic and general psychiatry. Rappeport JR. **Am J Psychiatry** 1982 Mar;139(3):331–4

Decision to seek commitment. Psychiatric decision making in a legal context. Appelbaum PS, et al. **Arch Gen Psychiatry** 1982 Apr;39(4):447–51

Compulsory hospitalisation [letter] Finnane M. **Aust NZ J Psychiatry** 1981 Dec;15(4):364–5

Legal aspects of alcoholism and other addictions: some basic conceptual issues. Fingarette H. **Br J Addict** 1981; 76(2):125–32

Fitness to plead. Swan M. **Br J Hosp Med** 1981 Nov; 26(5):503, 505–9

What happens to patients released from the special hospitals? Bowden P. **Br J Psychiatry** 1981 Apr;138:340–5

The diagnosis of psychopathy by forensic specialists. Davies W, et al. **Br J Psychiatry** 1981 Apr;138:329–31

Diminished responsibility. Hamilton JR. **Br J Psychiatry** 1981 May;138:434–6

A comparison of 'offender' and 'non-offender' male patients admitted to the State Hospital, Carstairs between 1966 and 1975. Hughson AV. **Br J Psychiatry** 1981 Nov;139:431–5

The unconsciousness defense as applied to post traumatic stress disorder in a Vietnam veteran. Apostle DT. **Bull Am Acad Psychiatry Law** 1980;8(4):426–30

The legal psychiatry consultation service: a new service model for 'forensic' psychiatry. Appelbaum PS. **Bull Am Acad Psychiatry Law** 1980;8(3):233–9

Local variations in arrests of psychiatric patients. Bloom JD, et al. **Bull Am Acad Psychiatry Law** 1981;9(3):203–9

Disposition of insanity defense cases in Oregon. Bloom JL, et al. **Bull Am Acad Psychiatry Law** 1981;9(2):93–9

Arson update: a review of the literature on firesetting. Blumberg NH. **Bull Am Acad Psychiatry Law** 1981; 9(4):255–65 (57 ref.)

Integrity checks on the witness stand. Colbach EM. **Bull Am Acad Psychiatry Law** 1981;9(4):285–8

Impact of change in legal standard for those adjudicated not guilty by reason of insanity 1975–1979. Criss ML, et al. **Bull Am Acad Psychiatry Law** 1980;8(3):261–71

Justifications for the insanity defence in Great Britain and the United States: the conflicting rationales of morality and compassion. Gostin LO. **Bull Am Acad Psychiatry Law** 1981;9(2):100–15

The insanity defense in juvenile delinquency proceedings. Harrington MM, et al. **Bull Am Acad Psychiatry Law** 1980; 8(3):272–9

Intelligence, psychosis, and competency to stand trial. Heller MS, et al. **Bull Am Acad Psychiatry Law** 1981;9(4):267–74

Amnesia: its detection by psychophysiological measures. Lynch BE, et al. **Bull Am Acad Psychiatry Law** 1980; 8(3):288–97

Psychiatric aspects of familicide. Malmquist CP. **Bull Am Acad Psychiatry Law** 1980;8(3):298–304

Theories of psychiatric defense in workmen's compensation cases. Parlour RR, et al. **Bull Am Acad Psychiatry Law** 1980;8(4):445–55

An invitation to the dance: an empirical response to Chief Justice Warren Burger's 'time-consuming procedural minuets' theory in Parham v. J.R. Perlin ML. **Bull Am Acad Psychiatry Law** 1981;9(2):149–64

Legislative acts and psychiatric input—a New Jersey experience. Perr IN. **Bull Am Acad Psychiatry Law** 1980; 8(4):412–25

Insanity plea in Connecticut. Phillips BL, et al. **Bull Am Acad Psychiatry Law** 1980;8(3):335–44

President's message: reasoning behind conclusions in psychiatric reports and testimony. Sidley NT. **Bull Am Acad Psychiatry Law** 1980;8(3):iv–viii

President's message: The ethics of forensic psychiatry. Sidley NT. **Bull Am Acad Psychiatry Law** 1980;8(4):iv–viii

Case study of an intriguing 'primitive' murder trial: financial settlement between the murderer and the victim's family. Wasserman KT. **Bull Am Acad Psychiatry Law** 1981; 9(4):275–84

The ethics of involuntary treatment. The position of the Canadian Psychiatric Association. Cahn CH. **Can J Psychiatry** 1982 Feb;27(1):67–74

The doctor–lawyer dilemma: a problem of mental set (an examination of the doctor–lawyer interface in civil cases). Henderson J. **Can J Psychiatry** 1981 Dec;26(8):530–3

The gaslight syndrome. Kutcher SP. **Can J Psychiatry** 1982 Apr;27(3):224–7

Patients' reactions to their commitment. Toews J, et al. **Can J Psychiatry** 1981 Jun;26(4):251–4

Doctor–lawyer dilemma. Turner RE, et al. **Can J Psychiatry** 1981 Dec;26(8):521

Involuntary admission to hospital and treatment in Ontario: is pessimism among physicians warranted? Menuck M, et al. **Can Med Assoc J** 1982 May 15;126(10):1168–71

Bipolar disorders in a forensic setting. London WP, et al. **Compr Psychiatry** 1982 Jan–Feb;23(1):33–7

Should general hospitals accept involuntary psychiatric patients? A panel discussion. Leeman CP, et al. **Gen Hosp Psychiatry** 1981 Sep;3(3):245–53

The treatment of involuntary patients in the general hospital psychiatric unit. Pinsker H, et al. **Gen Hosp Psychiatry** 1981 Dec;3(4):301–5

Psychiatrists' role in the death penalty. Appelbaum PS. **Hosp Community Psychiatry** 1981 Nov;32(11):761–2

The insanity defense: new calls for reform. Appelbaum PS. **Hosp Community Psychiatry** 1982 Jan;33(1):13–4

Psychiatric units in general hospitals: elitism revisited. Miller RD. **Hosp Community Psychiatry** 1981 Nov;32(11):804–5

Patients' perceptions of the family's role in involuntary commitment. Splane S, et al. **Hosp Community Psychiatry** 1982 Jul;33(7):569–72

The Rogers criminal responsibility assessment scales. Rogers R, et al. **IMJ** 1981 Sep;160(3):164–6, 169

Sixth International Congress on Law and Psychiatry. University of Virginia, Charlottesville, June 11–13, 1981. **Int J Law Psychiatry** 1982;5(1):1–113

Publicizing pedophilia: legal and psychiatric discourse. Adelman H. **Int J Law Psychiatry** 1981;4(3–4):311–25

Forensic psychiatry services in Canada: strengths and weaknesses. Arboleda-Florez J. **Int J Law Psychiatry** 1981; 4(3–4):391–9

The influence of psychiatric pre-sentence reports. Campbell IG. **Int J Law Psychiatry** 1981;4(1–2):89–106

Forensic psychiatry as a subspecialty. Gunn J. **Int J Law Psychiatry** 1982;5(1):65–79

Sane and insane automatism in Australia: some dilemmas, developments and suggested reforms. Harding RW. **Int J Law Psychiatry** 1981;4(1–2):73–87

Developing forensic psychiatry services for the 80s: the Linköping experiment. Ojesjö L. **Int J Law Psychiatry** 1981;4(1–2):213–8

The insanity defense and other mental health dispositions in Missouri. Petrila J. **Int J Law Psychiatry** 1982; 5(1):81–101

Sentencing the mentally disordered offender in Australia. Potas I. **Int J Law Psychiatry** 1981;4(1–2):107–22

Evaluating fitness to stand trial: a comparative analysis of fit and unfit defendants. Roesch R, et al. **Int J Law Psychiatry** 1981;4(1–2):145–57

Competency to decide about treatment or research: an overview of some empirical data. Roth LH, et al. **Int J Law Psychiatry** 1982;5(1):29–50

Law and attitudes toward the mentally ill. Sales BD, et al. **Int J Law Psychiatry** 1980;3(4):391–403

Psychiatric abuse and legal reform: two ways to make a bad situation worse. Stone AA. **Int J Law Psychiatry** 1982; 5(1):9–28

The doctrine of fitness to stand trial in Canada: the forked tongue of social control. Verdun-Jones SN. **Int J Law Psychiatry** 1981;4(3–4):363–89

Management of mentally ill offenders in South Africa: the assessment and rehabilitation program in Cape Town. Zabow T. **Int J Law Psychiatry** 1981;4(3–4):449–55

Diminished responsibility: a logical, workable and essential concept. Zeegers M. **Int J Law Psychiatry** 1981; 4(3–4):433–44

Emergency detention of the elderly: demographics, diagnoses, and outcome. Schiedermayer DL, et al. **J Am Geriatr Soc** 1982 Jun;30(6):383–6

Forensic psychology: implications, structure and process. Silverman HL. **J Am Soc Psychosom Dent Med** 1981; 28(4):122–31

Patients released after psychiatric commitment evaluation: comparison with the committed. Rothman M, et al. **J Clin Psychiatry** 1981 Mar;43(3):90–3

Right to refuse treatment issues still far from settled. Freishtat HW. **J Clin Psychopharmacol** 1981 May;1(3):162–4

The therapist's legal duty to warn of danger and notify the police: a case study. Freishtat HW. **J Clin Psychopharmacol** 1981 Nov;1(6):414–8

Forensic psychiatric examinations: competency. Koson DF. **J Forensic Sci** 1982 Jan;27(1):119–24

Network structure and reactions to primary deviance of mental patients. Perrucci R, et al. **J Health Soc Behav** 1982 Mar;23(1):2–17

A practical approach to the disposition of 'not guilty by reason of insanity' cases. Ermutlu IM. **J Med Assoc Ga** 1981 Oct;70(10):737–8

Duty to warn third parties. Cooper AE. **JAMA** 1982 Jul 23;248(4):431–2

Dangerousness [editorial] **Lancet** 1982 Jun 12;1(8285):1341

Matricide by sons. Green CM. **Med Sci Law** 1981 Jul; 21(3):207–14

Psychiatric assessment of the dangerous offender in the Netherlands. Strachan JG. **Med Sci Law** 1982 Jan; 22(1):16–20

Deinstitutionalization of the mentally ill [letter] **N Engl J Med** 1981 Dec 10;305(24):1477

Law–medicine notes: the insanity defense in the Falkland Islands: a test of diminished responsibility. Curran WJ. **N Engl J Med** 1982 Sep 2;307(10):596–7

The effect of legal change on patterns of psychiatric care: the input of change of commitment law. Goode DJ, et al. **NC Med J** 1982 Jun;43(6):434–8

Performance of forensic patients on the Holtzman Inkblot Technique: a normative study. Mullen JM, et al. **Percept Mot Skills** 1982 Feb;54(1):275–80

Seasonality of bipolar disorders in a forensic setting. London WP, et al. **Psychiatry Res** 1981 Oct;5(2):139–45

Time analysis of patients seen for multiple psychiatric evaluations of competency. Baskin D, et al. **Psychol Rep** 1981 Apr;48(2):607–10

Ethics of prediction of future dangerousness. Hays JR. **Psychol Rep** 1981 Oct;49(2):593–4

The involuntary commitment and treatment of mentally ill persons. Humber JM. **Soc Sci Med [F]** 1981 Dec; 15F(4):143–50

Reducing civil commitments: a mental health system approach. Ahmed MB, et al. **Tex Med** 1982 Feb;78(2):60–4

[Case–history from legal practice – abnormal affective reactions (author's transl] Hajnová R, et al. **Cesk Psychiatr** 1981 Jun;77(3):160–4 (Eng. Abstr.) **(Cze)**

[Operation of the underground and criminal activity (author's transl)] Janík A, et al. **Cesk Psychiatr** 1981 Jun;77(3):165–7 (Eng. Abstr.) **(Cze)**

[The Reitgjerdet case revives classical problems] Adserballe H. **Nord Med** 1981 Sep;96(8–9):198 **(Dan)**

[Withdrawal of confession. A medico–legal study] Rondepierre JJ. **Ann Med Psychol (Paris)** 1981 Nov; 139(9):971–83 (Eng. Abstr.) **(Fre)**

[Medico–legal psychiatry] Scherrer P. **Ann Med Psychol (Paris)** 1981 Jun;139(6):683–91 **(Fre)**

[Forensic psychiatry study of suicide (author's transl)] Soubrier JP. **Ann Med Psychol (Paris)** 1982;140(2):177–92 (Eng. Abstr.) **(Fre)**

[Psychiatric exam under court order apropos of patients who refuse to submit to a psychiatric exam] Grunberg F, et al. **Can J Psychiatry** 1982 Apr;27(3):204–7 (Eng. Abstr.) **(Fre)**

[Multiple child murder. A report of the criminal psychology and criminal psychiatry of the murder] Gössweiner–Saiko T. **Arch Kriminol** 1981 May–Jun;167(5–6):175–85 **(Ger)**

[Criminal political aspects of the legal handling of mentally abnormal law breakers in Austria] Probst K.

Arch Kriminol 1981 Sep–Oct;168(3–4):106–19 **(Ger)**
[Psychiatric emergencies in general practice: medical and legal aspects (author's transl)] Ernst K. **Praxis** 1982 May 18;71(20):853–8 (Eng. Abstr.) **(Ger)**
[Results of psychodiagnostic examinations in forensic-psychologically and psychiatrically evaluated criminals] Littmann E.
Psychiatr Neurol Med Psychol (Leipz) 1981 Dec; 33(12):734–43 (Eng. Abstr.) **(Ger)**
[Recommendations for the implementation and creation of forensic psychiatric expert testimony] Szewczyk H.
Psychiatr Neurol Med Psychol (Leipz) 1981 Nov; 33(11):689–94 (Eng. Abstr.) **(Ger)**
[Testing the credibility of adults] Szewczyk H.
Psychiatr Neurol Med Psychol (Leipz) 1982 Jan;34(1):26–31 (Eng. Abstr.) **(Ger)**
[Legal aspects of suicide (author's transl)] Möllhoff G.
Psychiatr Prax 1982 Jan;9(1):1–11 (Eng. Abstr.) **(Ger)**
[Psychiatric examination. Abstracts]
Seishin Shinkeigaku Zasshi 1981;83(11):717–44 **(Jpn)**
[What can we learn from the Reitgjerdet case?] Mellbye F.
Nord Med 1981 Sep;96(8–9):195–7 **(Nor)**
[Problems of the medical secret in forensic psychiatric certification – on the basis of analyses of 150 forensic psychiatric expert's opinions issued in penal cases (author's transl)] Falicki Z, et al. **Psychiatr Pol** 1981 Mar–Apr; 15(2):161–5 **(Pol)**
[The role of victimology in forensic psychiatric certification (author's transl)] Skoczkowski J. **Psychiatr Pol** 1981 Mar–Apr;15(2):217–20 (19 ref.) **(Pol)**
[Criteria for the competence of psychiatry in research and medical assistance in criminal pathology] Pirozynski T.
Rev Med Chir Soc Med Nat Iasi 1981;85(1):19–26 **(Rum)**
[Features of the course of sluggish psychopathic-like schizophrenia, its diagnosis and forensic psychiatric significance] Makhova TA. **Zh Nevropatol Psikhiatr** 1982; 82(5):113–9 (Eng. Abstr.) **(Rus)**

ECONOMICS

[Society demands forensic psychiatric services but does not want to pay for it] Hakola P. **Nord Med** 1981 Sep; 96(8–9):199–200 **(Swe)**

EDUCATION

Teaching general psychiatry in a sociolegal clinic: down from the tower and into the community. Barry DJ.
Bull Am Acad Psychiatry Law 1980;8(4):366–72
A consultation model for post-doctoral training in forensic psychiatry. Cavanaugh JL Jr, et al.
Bull Am Acad Psychiatry Law 1980;8(4):373–80
The forensic psychiatrist as teacher. Ciccone JR.
Bull Am Acad Psychiatry Law 1980;8(4):ix–xi
A fish out of water? A psychiatrist in a law school. Lacoursiere RB. **Bull Am Acad Psychiatry Law** 1980; 8(4):387–400
Accreditation of fellowship programs in forensic psychiatry: a preliminary report. Rosner R.
Bull Am Acad Psychiatry Law 1980;8(4):381–6
The expert witness as a teacher. Tanay E.
Bull Am Acad Psychiatry Law 1980;8(4):401–11

HISTORY

Historical aspects of legal drafting in the light of modern theories of cognitive development. Jackson BS.
Int J Law Psychiatry 1980;3(4):349–69
Trial of Daniel M'Naghten. Insanity defense, and its well-kept secret. Brody M. **NY State J Med** 1982 Mar; 82(3):381–6

LEGISLATION & JURISPRUDENCE

Some clinical aspects of criminology: a study of criminal psychiatric patients at the Lantoro Long-Stay Psychiatric Institution, Abeokuta, Nigeria. Odejide AO.
Afr J Psychiatr 1981 Jan–Apr;7(1–2):11–6
Alaska's new commitment law for the mentally ill. Stillner V, et al. **Alaska Med** 1981 Sep–Oct;23(5):53–7
Detention and rearrest rates of persons found not guilty by reason of insanity and convicted felons. Pasewark RA, et al. **Am J Psychiatry** 1982 Jul;139(7):892–7
Short-term civil commitment and the violent patient. Yesavage JA, et al. **Am J Psychiatry** 1982 Sep; 139(9):1145–9
Involuntarily committed patients' constitutional right to refuse treatment. A challenge to psychology. White MD, et al. **Am Psychol** 1981 Sep;36(9):953–62
Management of acutely disturbed patients [letter] Desai NM. **Br J Hosp Med** 1981 Dec;26(6):653
Consent to psychiatric treatment: practical implications of the Mental Health (Amendment) Bill. Beedie MA, et al. **Br Med J [Clin Res]** 1982 May 29;284(6329):1613–6
Reform of mental health legislation [editorial] Gunn J. **Br Med J [Clin Res]** 1981 Dec 5;283(6305):1487–8
Law and psychiatry: a stormy marriage. Bromberg W.
Bull Am Acad Psychiatry Law 1981;9(3):172–9
An investigation of treatment recommendations made by a court clinic. Caravello L, et al.
Bull Am Acad Psychiatry Law 1981;9(3):224–32
Impact of change in legal standard for those adjudicated not guilty by reason of insanity 1975–1979. Criss ML, et al.
Bull Am Acad Psychiatry Law 1980;8(3):261–71
Family process and legal guardianship for the psychiatric patient: a clinical study. Isenberg EF, et al.
Bull Am Acad Psychiatry Law 1981;9(2):128–39
Voluntary 'involuntary' commitment—the briar–patch syndrome. Miller RD. **Bull Am Acad Psychiatry Law** 1980; 8(3):305–12
The rights of involuntary patients to refuse pharmacotherapy: what is reasonable? Mills MJ.
Bull Am Acad Psychiatry Law 1980;8(3):313–34
An invitation to the dance: an empirical response to Chief Justice Warren Burger's 'time-consuming procedural minuets' theory in Parham v. J.R. Perlin ML.
Bull Am Acad Psychiatry Law 1981;9(2):149–64
Insanity plea in Connecticut. Phillips BL, et al.
Bull Am Acad Psychiatry Law 1980;8(3):335–44
On the recording of mental illness for civil commitment. McCready J, et al. **Can J Psychiatry** 1982 Mar;27(2):140–3
Civil commitment in Ontario [letter] Milliken AD.
Can J Psychiatry 1982 Mar;27(2):168
Civil commitment: operational definition of new criteria. Page S. **Can J Psychiatry** 1981 Oct;26(6):419–20
Involuntary admission in Ontario [letter] McCready J, et al. **Can Med Assoc J** 1982 Aug 15;127(4):277
Involuntary admission to hospital and treatment in Ontario: is pessimism among physicians warranted? Menuck M, et al. **Can Med Assoc J** 1982 May 15;126(10):1168–71
Involuntary commitment of mental patients. Hanneson P.
Dimens Health Serv 1981 Dec;58(12):32–5
The woman who died in a box. Commentary. Hopper K.
Hastings Cent Rep 1982 Jun;12(3):18–9
The woman who died in a box. Commentary. Kittrie NN.
Hastings Cent Rep 1982 Jun;12(3):19
Beyond deinstitutionalization: a commitment law in evolution. Durham ML, et al.
Hosp Community Psychiatry 1982 Mar;33(3):216–9
Supreme Court decisions on mental health: a review. Weiner BA. **Hosp Community Psychiatry** 1982 Jun;33(6):461–4
Section 31 of the Mental Health (Scotland) Act 1960: compulsory crisis intervention? Chiswick D.
Int J Law Psychiatry 1980;3(4):435–41
Components of dangerousness: legal standard in civil commitment. Hiday VA, et al. **Int J Law Psychiatry** 1980; 3(4):405–19
Court decisions in civil commitment: independence or deference? Hiday VA. **Int J Law Psychiatry** 1981; 4(1–2):159–70
Recent developments in the field of forensic psychiatry in the Netherlands. Krul–Steketee J, et al.
Int J Law Psychiatry 1981;4(3–4):445–7
Mentally disordered offenders and their protection from punitive sanctions: The English experience. Parker E.
Int J Law Psychiatry 1980;3(4):461–9
Compulsory admissions to mental hospitals in six countries. Soothill KL, et al. **Int J Law Psychiatry** 1981;4(3–4):327–44
Judicial review of psychiatric admissions: the clinical impact on child and adolescent inpatients. Amaya M, et al.
J Am Acad Child Psychiatry 1981 Autumn;20(4):761–76
Brooklyn Kings County Hospital child psychiatric study, 1957–1977: a longitudinal comparison of court-remanded and psychiatrically admitted children. Christ AE, et al.
J Am Acad Child Psychiatry 1981 Autumn;20(4):777–91
Modernization of a mental health act II: outcome effects. Munetz MR, et al. **J Clin Psychiatry** 1981 Sep;42(9):333–7
Civil commitment as a 'street-level' bureaucracy: case-load, professionalization and administration. Wunsch JS, et al.
J Health Polit Policy Law 1981 Summer;6(2):285–302
The context of involuntary commitment on the basis of danger to others: a study of the use of the California 14-day certificate. Yesavage JA, et al. **J Nerv Ment Dis** 1982 Oct; 170(10):622–7
Compulsory detention and treatment [editorial] **Lancet** 1981 Nov 21;2(8256):1150
Mental health law reform [letter] Greenberg HP.
Med J Aust 1981 Aug 8;2(3):152
[The Social Defense Institution in Paifve] Paquay J, et al. **Acta Psychiatr Belg** 1981 Nov–Dec;81(6):506–20 (Eng. Abstr.) **(Fre)**
[Psychiatric exam under court order apropos of patients who refuse to submit to a psychiatric exam] Grunberg F, et al. **Can J Psychiatry** 1982 Apr;27(3):204–7 (Eng. Abstr.) **(Fre)**
[Follow-up study of narcotic drug addicts following court treatment orders (author's transl)] Kurtz CD.
Nervenarzt 1981 Nov;52(11):669–74 **(Ger)**
[The 'accommodation' of aging and older psychiatric patients – legal and psychiatric aspects] Möllhoff G. **Z Gerontol** 1981 Nov–Dec;14(6):416–29 (Eng. Abstr.) **(Ger)**
[The 'Baxström Affair'. An example of criticism on psychiatry in the USA (author's transl)] Möllhoff G.
Z Rechtsmed 1982;88(3):213–9 (Eng. Abstr.) **(Ger)**

METHODS

Psychiatric consultation to attorneys for abused and neglected children. Kaplan SJ.
Bull Am Acad Psychiatry Law 1981;9(2):140–8
The investigative use of hypnosis: a word of caution. Zelig M, et al. **Int J Clin Exp Hypn** 1981 Oct;29(4):401–12
A computerized assessment program for forensic science evaluations: a preliminary report. Cavanaugh JL, et al.
J Forensic Sci 1982 Jan;27(1):113–8

ORGANIZATION & ADMINISTRATION

[Change the health care structure and give forensic psychiatry treatment aims] Lassenius B. **Nord Med** 1981 Sep;96(8–9):200–1 **(Swe)**

STANDARDS

[Features of medical deontology in forensic psychiatry] Bobrova IN, et al. **Sud Med Ekspert** 1982 Jan–Mar; 25(1):44–9 **(Rus)**

TRENDS

Assessment of a secure/intensive care/forensic ward. Basson JV, et al. **Acta Psychiatr Scand** 1981 Aug;64(2):132–41
Child psychiatric advice to legal authorities concerning custody and post-divorce visiting rights. Results of collaboration of lawyers and child psychiatrists over a 2-year period. Brun G, et al. **Acta Psychiatr Scand** 1981 Apr;63(4):384–95
A review of compulsory admissions to a psychiatric unit in Sydney. Snowdon J. **Aust NZ J Psychiatry** 1981 Dec; 15(4):307–10
Law and psychiatry, Soviet style. Appelbaum PS.
Hosp Community Psychiatry 1981 Sep;32(9):601–2
The inanity of insanity: some improper applications of the insanity defense. Rachlin S. **Hosp Community Psychiatry** 1981 Sep;32(9):642–4
Advances in forensic psychiatry in England and Wales. Bluglass R. **Int J Law Psychiatry** 1981;4(1–2):199–212
Legal and mental health system interactions: major developments and research needs. Shah SA.
Int J Law Psychiatry 1981;4(3–4):219–70
Involuntary admission—a century of experience. Schwartz L. **J Clin Psychiatry** 1982 Jan;43(1):28–32
Compulsory admissions in a London borough: II. Circumstances surrounding admission: service implications. Szmukler GI. **Psychol Med** 1981 Nov;11(4):825–38

UTILIZATION

Psychiatric court reports-too many or too few? Donovan WM, et al. **Med Sci Law** 1981 Jul;21(3):153–8

FORESTIER-CERTONCINY SYNDROME see **POLYMYALGIA RHEUMATICA**

FORHISTAL see **DIMETHINDENE**

FORM PERCEPTION

see related

VISUAL ACUITY

The spatial and temporal organisation of motion perception units in human vision. Barbur JL, et al.
Acta Psychol (Amst) 1981 Aug;48(1–3):35–47
Cognitive factors in subjective stabilization of the visual world. Bridgeman B. **Acta Psychol (Amst)** 1981 Aug; 48(1–3):111–21
Nontarget detectability and interference with parafoveal target identification. Chastain G. **Acta Psychol (Amst)** 1982 Mar;50(2):117–26
Monoptic and dichoptic signals do not cooperate in the perception of a bistable motion display. Gerbino W.
Acta Psychol (Amst) 1981 Aug;48(1–3):79–87
Perception of motion using blur pattern information in the moderate and high-velocity domains of vision. Harrington TL, et al. **Acta Psychol (Amst)** 1981 Aug;48(1–3):227–37
The apparent path of a stationary and a circularly moving spot during the smooth pursuit of another circularly moving spot. Kano C, et al. **Acta Psychol (Amst)** 1981 Aug; 48(1–3):151–60
Visual processing of multielement arrays and selective backward masking. Keating JK, et al.
Acta Psychol (Amst) 1981 Dec;49(3):215–32
The perceptual coherence of moving visual patterns. Lappin JS, et al. **Acta Psychol (Amst)** 1981 Aug;48(1–3):163–74
Localization of brief visual stimuli during pursuit eye movements. Mateeff S, et al. **Acta Psychol (Amst)** 1981 Aug; 48(1–3):133–40
Vernier acuity and stereopsis with discontinuously moving stimuli. Morgan MJ. **Acta Psychol (Amst)** 1981 Aug; 48(1–3):57–67
Searching for a pre-specified target letter in briefly displayed words and unpronounceable non-words. Solman RT.
Acta Psychol (Amst) 1981 Dec;49(3):263–72
Detection and discrimination of moving gratings. Thompson P. **Acta Psychol (Amst)** 1981 Aug;48(1–3):5–13
Direction selectivity in human visual perception, investigated with low contrast gratings. van der Glas HW, et al.
Acta Psychol (Amst) 1981 Aug;48(1–3):15–23
Velocity judgments of continuously moving and stroboscopically presented stimuli using magnitude and category scaling. Van Eyl FP. **Acta Psychol (Amst)** 1981 Aug;48(1–3):89–94
Saccadic programming and perceived location. Wong E, et al. **Acta Psychol (Amst)** 1981 Aug;48(1–3):123–31
Stimulus overselectivity by mentally retarded adolescents: effects of pretraining on cue identification. Meisel CJ.
Am J Ment Defic 1981 Nov;86(3):317–22
Prosopagnosia. Kay MC, et al. **Am J Ophthalmol** 1982 Jul; 94(1):75–80
Spatial frequency effects on binocular interaction assessed

with visual evoked potentials. Lennerstrand G, et al. **Ann NY Acad Sci** 1982;388:631–4
Chronotopographical study of the pattern-evoked response and binocular summation. Lesevre N. **Ann NY Acad Sci** 1982;388:635–41
Radial spatial patterns and multifrequency temporal patterns: possible clinical applications. Ratliff F. **Ann NY Acad Sci** 1982;388:651–6
Simultaneous pattern-reversal electroretinograms and visual evoked potentials in diseases of the macula and optic nerve. Sherman J. **Ann NY Acad Sci** 1982;388:214–26
Problems of stimulus control in the measurement of peak latency of the pattern visual evoked potential. Sokol S. **Ann NY Acad Sci** 1982;388:657–61
Properties of localized pattern evoked potentials. Tyler CW, et al. **Ann NY Acad Sci** 1982;388:662–70
Clause relations and picture viewing. Engelkamp J, et al. **Arch Psychol (Frankf)** 1980;133(2):129–38
Twin-family studies of perceptual speed ability. II. Parameter estimation. Rose RJ, et al. **Behav Genet** 1981 Nov; 11(6):565–75
Late positive components and stimulus evaluation time. Brookhuis KA, et al. **Biol Psychol** 1981 Dec;13:107–23
Asymmetries of the contingent negative variation (CNV) and its after positive wave (APW) related to differential hemispheric involvement in verbal and non-verbal tasks. Butler SR, et al. **Biol Psychol** 1981 Dec;13:157–71
Task redundancy and an enhancement of the late positive components in human visual evoked potentials. Kitajima S, et al. **Biol Psychol** 1981 Mar–May;12(2–3):223–36
The influence of information on habituation of the 'Wiener' filtered visual even related potential and the skin conductance reaction. Woestenburg JC, et al. **Biol Psychol** 1981 Dec;13:189–201
Changing faces: visual and non-visual coding processes in face recognition. Bruce V. **Br J Psychol** 1982 Feb;73(Pt 1):105–16
Preference for lateral directional properties: a reply to Gordon. Freimuth M, et al. **Br J Psychol** 1981 Aug;72(Pt 3):321–2
Lateral organization and the perception of orientation in pictures: a comment on Freimuth & Wapner's experiment. Gordon IE. **Br J Psychol** 1981 Aug;72(Pt 3):317–9
Direct vs. indirect tests of the information available from masked displays: what visual masking does and does not prevent. Humphreys GW. **Br J Psychol** 1981 Aug;72(Pt 3):323–30
The effects of priming on picture recognition. Warren C, et al. **Br J Psychol** 1982 Feb;73(Pt 1):117–29
The use of laterally presented words in research into cerebral asymmetry: is directional scanning likely to be a source of artifact? Bradshaw JL, et al. **Brain Lang** 1981 Sep; 14(1):1–14
The semantic deficit hypothesis: perceptual parsing and object classification by aphasic patients. Caramazza A, et al. **Brain Lang** 1982 Jan;15(1):161–89
Sentence understanding and knowledge of the world: evidence from a sentence-picture matching task performed by aphasic patients. Deloche G, et al. **Brain Lang** 1981 Sep;14(1):57–69
The influence of Hangul learning upon laterality differences in Hangul word recognition by native Japanese subjects. Endo M, et al. **Brain Lang** 1981 Sep;14(1):114–9
Imagery and verbal encoding in left and right hemisphere damaged patients. Whitehouse PJ. **Brain Lang** 1981 Nov; 14(2):315–32
Hemispheric differences in picture—word interference. Wuillemin DB, et al. **Brain Lang** 1982 May;16(1):121–32
Judged temporal order and spatial context. Collard R, et al. **Can J Psychol** 1981 Dec;35(4):323–9
Distinguishing imagery from propositional recoding processes in sentence-picture verification tasks. Eley MG. **Can J Psychol** 1981 Sep;35(3):254–69
Detecting targets in letter and non-letter arrays. Hammond EJ, et al. **Can J Psychol** 1982 Mar;36(1):67–82
Lateral asymmetry in face perception. St John RC. **Can J Psychol** 1981 Sep;35(3):213–23
Serial position effects in young children: temporal or spatial? Brown RM, et al. **Child Dev** 1981;52(4):1191–201
Event-related brain potentials to human faces in infants. Courchesne E, et al. **Child Dev** 1981 Sep;52(3):804–11
Preferential looking at temporal frequencies by preterm infants. Gardner JM, et al. **Child Dev** 1981;52(4):1299–302
The development of organizational strategies in the storage and retrieval of categorical items in free-recall learning. Kee DW, et al. **Child Dev** 1981;52(4):1162–71
Intellectual realism: implications for investigations of perceptual perspective taking in young children. Liben LS, et al. **Child Dev** 1981 Sep;52(3):921–4
Effects of the similarity and dissimilarity between familiarization and test objects on recognition memory in infants following unimodal and bimodal familiarization. Rolfe SA, et al. **Child Dev** 1981;52(4):1308–12
Habituation of visual attention in infants with minor physical anomalies. Schexnider VY, et al. **Child Dev** 1981 Sep; 52(3):812–8
The cognitive basis of classification in very young children: an analysis of object-ordering trends. Sugarman S. **Child Dev** 1981;52(4):1172–8
Facets of analytical processing in aphasia: a picture ordering task. Cohen R, et al. **Cortex** 1981 Dec;17(4):557–69
Influence of association value in recognition of random shapes under dichhaptic presentation. Denes G, et al. **Cortex** 1981 Dec;17(4):597–601
Asymmetries in facial recognition: evidence for a memory component. Hay DC, et al. **Cortex** 1981 Oct;17(3):357–68
Dissociated awareness of manual performance on two different visual associative tasks: a 'split-brain' phenomenon in normal subjects? Landis T, et al. **Cortex** 1981 Oct; 17(3):435–40
Signal-detection analysis of hemispheric differences in visual recognition memory. Madden DJ, et al. **Cortex** 1981 Dec; 17(4):491–501
Accuracy of naming laterally presented known faces by children and adults. Young AW, et al. **Cortex** 1981 Apr; 17(1):97–106
Identification and storage of line drawings presented to the left and right cerebral hemispheres of adults and children. Young AW, et al. **Cortex** 1981 Oct;17(3):459–64
Generalization after form discrimination in light-reared and dark-reared rats. Tees RC, et al. **Dev Psychobiol** 1982 Mar; 15(2):159–70
Normal checkerboard pattern reversal evoked potentials in parkinsonism. Ehle AL, et al. **Electroencephalogr Clin Neurophysiol** 1982 Sep;54(3):336–8
Normal-mirrored letter recognition, same-different judgment and cerebral dominance. Shimizu A, et al. **Folia Psychiatr Neurol Jpn** 1982;36(1):59–74
Search time with a color display: analysis of distribution functions. Carter RC. **Hum Factors** 1982 Apr;24(2):203–12
The effect of complexity on interpreting 'Chernoff' faces. Naveh-Benjamin M, et al. **Hum Factors** 1982 Feb; 24(1):11–8
Determinants of display legibility in dark, turbid waters. Vaughan WS Jr, et al. **Hum Factors** 1982 Apr;24(2):193–201
Visual information processing in high and low susceptible subjects. Saccuzzo DP, et al. **Int J Clin Exp Hypn** 1982 Jan;30(1):32–44
Psychophysical investigations of the temporal modulation sensitivity function in amblyopia: spatiotemporal interactions. Manny RE, et al. **Invest Ophthalmol Vis Sci** 1982 Apr;22(4):525–34
Input capability and speed of processing in mental retardation: a reply to Stanovich and Purcell. Saccuzzo DP. **J Abnorm Psychol** 1981 Apr;90(2):172–4
Comment on 'Input capability and speed of processing in mental retardation' by Saccuzzo, Kerr, Marcus and Brown. Stanovich KE, et al. **J Abnorm Psychol** 1981 Apr; 90(2):168–71
A functional analysis of photo-object matching skills of severely retarded adolescents. Dixon LS. **J Appl Behav Anal** 1981 Winter;14(4):465–78
Face recall: an examination of some factors limiting composite production accuracy. Davies G, et al. **J Appl Psychol** 1982 Feb;67(1):103–9
A comparison of the perceptual skills of physicians and medical illustrators. Jung KI, et al. **J Biocommun** 1982 Jul; 9(2):4–8
The Matching Familiar Figures Test: a primary, secondary, and tertiary evaluation. Arizmendi T, et al. **J Clin Psychol** 1981 Oct;37(4):812–8
Reinforcement contingencies and signal detection. Nevin JA, et al. **J Exp Anal Behav** 1982 Jan;37(1):65–79
Control of adolescents' arbitrary matching-to-sample by positive and negative stimulus relations. Stromer R, et al. **J Exp Anal Behav** 1982 May;37(3):329–48
Perceiving subjective contours during early childhood. Abravanel E. **J Exp Child Psychol** 1982 Apr;33(2):280–7
Ambiguous-cue learning in preschool children: a test of the dimensional characteristics of task stimuli. Boyer WN, et al. **J Exp Child Psychol** 1982 Jun;33(3):405–12
Discrimination of faces by young infants. Bushnell IW. **J Exp Child Psychol** 1982 Apr;33(2):298–308
The role of the object concept in visual tracking: child-like errors in adults. Chromiak W, et al. **J Exp Child Psychol** 1981 Dec;32(3):531–43
On the young child's comparison of sets. Grieve R, et al. **J Exp Child Psychol** 1981 Dec;32(3):443–58
Infants' scanning of geometric forms varying in size. Hainline L, et al. **J Exp Child Psychol** 1982 Apr;33(2):235–56
Effects of age, stimuli, and category recognition factors in children's inquiry behavior. Herwig JE. **J Exp Child Psychol** 1982 Apr;33(2):196–206
Memory for item order and phonetic recording in the beginning reader. Katz RB, et al. **J Exp Child Psychol** 1981 Dec;32(3):474–84
Extent, multiplying, and proportionality rules in children's judgments of area. Leon M. **J Exp Child Psychol** 1982 Feb; 33(1):124–41
Processing of identity and position information in normal and disabled readers. Manis FR, et al. **J Exp Child Psychol** 1982 Feb;33(1):74–86
Developmental trends in the use of perceptual and conceptual attributes in grouping, clustering, and retrieval. Melkman R, et al. **J Exp Child Psychol** 1981 Jun;31(3):470–86
The effects of symmetry and contour on recognition memory in children. Mendelson MJ, et al. **J Exp Child Psychol** 1981 Dec;32(3):373–88
Development differences in the role of detail in picture recognition memory. Pezdek K, et al. **J Exp Child Psychol** 1982 Apr;33(2):207–15
Facilitation and retardation of discrimination learning after exposure to the stimuli. Channell S, et al. **J Exp Psychol [Anim Behav]** 1981 Oct;7(4):437–46
Application of geometric models to letter recognition: distance and density. Appelman IB, et al. **J Exp Psychol [Gen]** 1982 Mar;111(1):60–100
Matching performance and the similarity structure of the stimulus set. Crist WB. **J Exp Psychol [Gen]** 1981 Sep; 110(3):269–96
Putting properties of objects in context: reply to Nickerson. Crist WB. **J Exp Psychol [Gen]** 1981 Sep;110(3):303–5
Mapping the visual field in mental imagery. Finke RA, et al. **J Exp Psychol [Gen]** 1981 Dec;110(4):501–17
Density versus feature weights as predictors of visual identifications: comment on Appelman and Mayzner. Krumhansl CL. **J Exp Psychol [Gen]** 1982 Mar; 111(1):101–8
Context is important but it does not explain everything: a comment on 'Matching performance and the similarity structure of the stimulus set' by Crist. Nickerson RS. **J Exp Psychol [Gen]** 1981 Sep;110(3):297–302
The effects of objective and perceived size properties on visual form matching. Watson HD. **J Exp Psychol [Gen]** 1981 Dec;110(4):547–67
Effect of task demands on dual coding of pictorial stimuli. Babbitt BC. **J Exp Psychol [Hum Learn]** 1982 Jan; 8(1):73–80
Assessing relations between imagery and perception. Banks WP. **J Exp Psychol [Hum Percept]** 1981 Aug;7(4):844–7
Dimensions of figural identity and apparent motion. Berbaum K, et al. **J Exp Psychol [Hum Percept]** 1981 Dec; 7(6):1312–7
Backward masking by pattern stimulus offset. Breitmeyer BG, et al. **J Exp Psychol [Hum Percept]** 1981 Oct; 7(5):972–7
Grounding the figure. Calis G, et al. **J Exp Psychol [Hum Percept]** 1981 Dec;7(6):1386–97
Interaction between perceived and imagined rotation. Carballis MC, et al. **J Exp Psychol [Hum Percept]** 1982 Apr;8(2):215–24
Perceptual processing strategies in the cross-modal transfer of form discrimination: a developmental study. Coté JJ, et al. **J Exp Psychol [Hum Percept]** 1981 Dec;7(6):1340–8
Area and contrast effects upon perceptual and imagery acuity. Finke RA, et al. **J Exp Psychol [Hum Percept]** 1981 Aug;7(4):825–32
Methodological considerations in experiments on imagery acuity. Finke RA, et al. **J Exp Psychol [Hum Percept]** 1981 Aug;7(4):848–54
Representations of qualitative and quantitative dimensions. Gati I, et al. **J Exp Psychol [Hum Percept]** 1982 Apr; 8(2):325–40
Selective attention in vision: recognition memory for superimposed line drawings. Goldstein EB, et al. **J Exp Psychol [Hum Percept]** 1981 Oct;7(5):954–67
Different difficulty manipulations interact differently with task emphasis: evidence for multiple resources. Gopher D, et al. **J Exp Psychol [Hum Percept]** 1982 Feb;8(1):146–57
Internal representation of visual texture as the basis for the judgment of similarity. Harvey LO Jr, et al. **J Exp Psychol [Hum Percept]** 1981 Aug;7(4):741–53
Mistracking in alignment illusions. Hotopf WH. **J Exp Psychol [Hum Percept]** 1981 Dec;7(6):1211–46
Experimenter naiveté and imaginal judgments. Intons-Peterson MJ, et al. **J Exp Psychol [Hum Percept]** 1981 Aug;7(4):833–43
Visual form integration and discontinuity detection. Kinnucan MT, et al. **J Exp Psychol [Hum Percept]** 1981 Oct;7(5):948–53
Stimulus repetition effects on attention to words and colors. Kraut AG, et al. **J Exp Psychol [Hum Percept]** 1981 Dec; 7(6):1303–11
The case for peripheral persistence: effects of target and background luminance on a partial-report task. Long GM, et al. **J Exp Psychol [Hum Percept]** 1982 Jun;8(3):383–91
Perception of growth: a geometric analysis of how different styles of change are distinguished. Mark LS, et al. **J Exp Psychol [Hum Percept]** 1981 Aug;7(4):855–68
Latency differences in monoptic and dichoptic shape and color decision making. Meyer GE. **J Exp Psychol [Hum Percept]** 1981 Oct;7(5):968–71
Effect of familiarity of Multielement matching. Regan JE. **J Exp Psychol [Hum Percept]** 1981 Dec;7(6):1273–82
The effect on form perception of change of orientation in the third dimension. Rock I, et al. **J Exp Psychol [Hum Percept]** 1981 Aug;7(4):719–32
Detection of symmetry. Royer FL. **J Exp Psychol [Hum Percept]** 1981 Dec;7(6):1186–210
Length effects in word perception: we is better than i but worse than you or them. Samuel AG, et al. **J Exp Psychol [Hum Percept]** 1982 Feb;8(1):91–105
Antagonistic effects of adjacency and apparent speed in induced movement. Schulman PH. **J Exp Psychol [Hum Percept]** 1981 Oct;7(5):985–94
About face: left-hemisphere involvement in processing physiognomies. Sergent J. **J Exp Psychol [Hum Percept]** 1982 Feb;8(1):1–14
Individual differences in the classification of stimuli by dimensions. Smith JD, et al. **J Exp Psychol [Hum Percept]** 1981 Oct;7(5):1132–45
Importance of the overall similarity of objects of adults' and children's classifications. Smith LB. **J Exp Psychol [Hum Percept]** 1981 Aug;7(4):811–24
Visual detection of multi-letter patterns. Staller JD, et al. **J Exp Psychol [Hum Percept]** 1981 Dec;7(6):1258–72

Mechanisms for precuing superiority in visual recognition. Stolldorf DE, et al. **J Exp Psychol [Hum Percept]** 1982 Feb;8(1):58–67

Age differences in peripheral letter perception. Taylor HG. **J Exp Psychol [Hum Percept]** 1982 Feb;8(1):106–12

Visual information about moving objects. Todd JT. **J Exp Psychol [Hum Percept]** 1981 Aug;7(4):975–810

Visual information about rigid and nonrigid motion: a geometric analysis. Todd JT. **J Exp Psychol [Hum Percept]** 1982 Apr;8(2):238–52

Perceptual grouping and attention in visual search for features and for objects. Treisman A. **J Exp Psychol [Hum Percept]** 1982 Apr;8(2):194–214

Saccadic eye movements to peripherally discriminated visual targets. Viviani P, et al. **J Exp Psychol [Hum Percept]** 1982 Feb;8(1):113–26

Binocular summation occurs during interocular suppression. Westendorf DH, et al. **J Exp Psychol [Hum Percept]** 1982 Feb;8(1):81–90

Generation of visual representations. Yaworsky KB, et al. **J Exp Psychol [Hum Percept]** 1981 Oct;7(5):978–84

Effects of a secondary task on the accuracy of single aiming movements. Zelaznik HN, et al. **J Exp Psychol [Hum Percept]** 1981 Oct;7(5):1007–18

Effect of task demands on dual coding of pictorial stimuli. Babbitt BC. **J Exp Psychol [Learn Mem Cogn]** 1982 Jan; 8(1):73–80

Spontaneous imagery scanning in mental extrapolation. Finke RA, et al. **J Exp Psychol [Learn Mem Cogn]** 1982 Mar; 8(2):142–7

Pictorial detail and recall in adults and children. Ritchey GH. **J Exp Psychol [Learn Mem Cogn]** 1982 Mar; 8(2):139–41

Hypermnesia: the role of repeated testing. Roediger HL 3d, et al. **J Exp Psychol [Learn Mem Cogn]** 1982 Jan;8(1):66–72

Effects on free recall and recognition of transforming visually presented words and pictures into trace or imagery form. Joseph CA, et al. **J Gen Psychol** 1982 Jan;106(1st Half):21–6

The correspondence between self- and image movement as a cue to self-recognition for young children. Bigelow AE. **J Genet Psychol** 1981 Sep;139(First Half):11–26

Input and distractor modality effects upon the release from proactive interference in children. Tyrrell DJ, et al. **J Genet Psychol** 1981 Dec;139(Second Half):205–20

Age and iconic read-out. Cerella J, et al. **J Gerontol** 1982 Mar;37(2):197–202

The relationship between classification and questioning strategies among adults. Denney NW, et al. **J Gerontol** 1982 Mar;37(2):190–6

Age differences in mental synthesis. Ludwig TE. **J Gerontol** 1982 Mar;37(2):182–9

The effect of mental retardation and schizophrenia on information processing. Saccuzzo DP, et al. **J Nerv Ment Dis** 1982 Feb;170(2):102–6

Strategies in processing new versus old information by children. Myers FL, et al. **J Psycholinguist Res** 1981 Nov; 10(6):571–9

False recognition of static and dynamic object properties by preschool children. Simpson GB, et al. **J Psycholinguist Res** 1981 May;10(3):249–57

In eliciting hemisphere asymmetries which is more important: the stimulus input side or the recognition side? A tachistoscopic study on normals. Berrini R, et al. **Neuropsychologia** 1982;20(1):91–4

Cerebral asymmetry in word–object matching by appearance and by function. Elias JW, et al. **Neuropsychologia** 1982; 20(2):215–8

Evidence against the hypothesis of right hemisphere language dominance in the Native American Navajo. McKeever WF. **Neuropsychologia** 1981;19(4):595–8

Hemispheric specialization displayed by man but not macaques for analysis of faces. Overman WH Jr, et al. **Neuropsychologia** 1982;20(2):113–28

Hemispheric differences on sequential effects in a choice reaction task. Possamaï CA. **Neuropsychologia** 1981; 19(6):775–9

Hemispheric asymmetry for face recognition: some effects of visual masking, hemiretinal stimulation and learning task. Proudfoot RE. **Neuropsychologia** 1982;20(2):129–44

Letter recognition and visual form discrimination in aphasic alexia. Varney NR. **Neuropsychologia** 1981;19(6):795–800

Lateral eye movements as indicators of processing strategies in paired-associate learning: their effect on recall, recognition, and error type. Onken JB, et al. **Pavlov J Biol Sci** 1981 Jul–Sep;16(3):157–62

Rod-and-frame and MMPI scores for a group of female psychiatric inpatients. Berent S, et al. **Percept Mot Skills** 1982 Jun;54(3):907–13

Autokinetic movement as a function of the amount of information in a target shape. Borresen CR. **Percept Mot Skills** 1982 Feb;54(1):211–6

Observations on the divided line illusion. Brigner WL. **Percept Mot Skills** 1981 Aug;53(1):324–6

Mathematical model for the filling-in of illusory contour. Brigner WL. **Percept Mot Skills** 1982 Jun;54(3):815–20

Prediction of adults' reading performance as a function of auditory and visual cognitive styles and intelligence. Butter EJ, et al. **Percept Mot Skills** 1982 Apr;54(2):359–62

Necker cube reversals in young, middle-aged, and elderly females. Camp CJ, et al. **Percept Mot Skills** 1982 Jun;54(3 Pt 2):1215–8

Ocular position in sentence-picture comparisons. Carlson RD, et al. **Percept Mot Skills** 1982 Feb;54(1):291–7

Perception of memorized works and nonwords. Deboeck M, et al. **Percept Mot Skills** 1981 Aug;53(1):59–66

Complexity of context and orientation of figure in the corridor illusion. Fineman MB. **Percept Mot Skills** 1981 Aug;53(1):11–4

Influence of different types of physical fatigue on a visual detection task. Fleury M, et al. **Percept Mot Skills** 1981 Dec;53(3):723–30

The filling-in illusion and moving visual phantoms. Fraser A, et al. **Percept Mot Skills** 1982 Apr;54(2):343–55

Magnitude of suppression of binocular rivalry within the invisible pattern. Fukuda H. **Percept Mot Skills** 1981 Oct; 53(2):371–5

Solitaire illusion: replication and extension. Ginsburg N. **Percept Mot Skills** 1982 Feb;54(1):209–10

Midline versus eccentric pattern perception with acuity equated. Gleisner D, et al. **Percept Mot Skills** 1982 Feb; 54(1):103–9

Durations of recognition for single letters, with and without visual masking, by dyslexics and normal readers. Grosser GS, et al. **Percept Mot Skills** 1981 Dec;53(3):991–5

Developmental changes in letter recognition as affected by parafoveal noise. Hatae TI, et al. **Percept Mot Skills** 1982 Jun;54(3):888–90

Video-game and conventional tracking. Kennedy RS, et al. **Percept Mot Skills** 1981 Aug;53(1):310

Stroop phenomena in the Japanese language: the case of ideographic characters (kanji) and syllabic characters (kana). Morikawa Y. **Percept Mot Skills** 1981 Aug; 53(1):67–77

Simultaneous investigation of effects of distance of projection and object size on object reception by children in grade 1. Payne VG. **Percept Mot Skills** 1982 Jun;54(3 Pt 2):1183–7

Extreme constriction of figure size as a personality trait indicator on Memory-for-Designs. Persinger BD Jr, et al. **Percept Mot Skills** 1981 Aug;53(1):216–8

Vision and kinesthesis in spatial short-term memory. Podros LZ, et al. **Percept Mot Skills** 1981 Oct;53(2):459–66

Geometric figure-rotation task and face representation in dyslexia: role of spatial relations and orientation. Pontius AA. **Percept Mot Skills** 1981 Oct;53(2):607–14

Perception and memory of facial affect following brain injury. Prigatano GP, et al. **Percept Mot Skills** 1982 Jun; 54(3):859–69

Spatio-temporal discrimination of frequency in the right and left visual fields: a preliminary report. Rao SM, et al. **Percept Mot Skills** 1981 Aug;53(1):311–6

Recognition of designs after a unilateral stroke. Riege WH, et al. **Percept Mot Skills** 1982 Apr;54(2):538

Figure-background perception and cerebral dominance: hypothesized integrated process of hemispheric specialization. Ruggieri V, et al. **Percept Mot Skills** 1982 Apr;54(2):435–40

Visual field sensitivity on a two-choice discrimination task. Salmon P, et al. **Percept Mot Skills** 1981 Aug;53(1):91–100

A human performance evaluation of graphic symbol-design features. Samet MG, et al. **Percept Mot Skills** 1982 Jun; 54(3 Pt 2):1303–10

Children's categorical representation of oblique orientation. Scher A, et al. **Percept Mot Skills** 1982 Apr;54(2):543–7

Relationship between reversible-figure latencies and scores on two personality scales. Shiomi K. **Percept Mot Skills** 1982 Jun;54(3):803–7

Object permanence in the golden hamster. Thinus-Blanc C, et al. **Percept Mot Skills** 1981 Dec;53(3):1010

Effects of legibility on verbal test performance of older adults. Vanderplas JH, et al. **Percept Mot Skills** 1981 Aug; 53(1):183–6

Fine's frame and perceived tilt. Wenderoth P. **Percept Mot Skills** 1982 Jun;54(3):763–6

Correlations of scores on embedded figures and mirror tracing with preclinical technique grades and PMAT scores of dental students. Wilson S, et al. **Percept Mot Skills** 1981 Aug;53(1):31–5

A confound in the standard control condition of the Stroop experiment. Zajano MJ, et al. **Percept Mot Skills** 1981 Dec; 53(3):835–41

Measuring visual disembedding in a tachistoscopic presentation. Zoccolotti P, et al. **Percept Mot Skills** 1982 Apr;54(2):479–86

Do background depth gradients facilitate object identification? Biederman I. **Perception** 1981;10(5):573–8

The many illusions of the Müller-Lyer: comparisons of the wings-in and wings-out illusions and manipulations of standard and dot forms. Greist-Bousquet S, et al. **Perception** 1981;10(2):147–54

The Poggendorff illusion: an illusion of linear extent? Greist-Bousquet S, et al. **Perception** 1981;10(2):155–64

The determinants of illusory-contour perception. Halpern DF. **Perception** 1981;10(2):199–213

Multiple representations of the same reversible figure: implications for cognitive decisional interpretations. Long GM, et al. **Perception** 1981;10(2):231–4

The sensitivity of binocular rivalry suppression to changes in orientation assessed by reaction-time and forced-choice techniques. O'Shea RP, et al. **Perception** 1981;10(3):283–93

Subjective figures: an infrequent, but certainly not unprecedented, effect. Parks TE. **Perception** 1981; 10(5):589–90

Subjective figures: some not-so-unusual concomitant brightness effects. Richardson BL. **Perception** 1981; 10(5):587–8

Consistency of response during steady visual simulation. Swanston MT, et al. **Perception** 1981;10(3):339–49

Are the obtuse angles the key components of the Poggendorff illusion? Wenderoth P, et al. **Perception** 1981;10(2):165–72

A theoretical and experimental study concerning shape processing by human visual system. Bonciocat C. **Physiologie** 1981 Jan–Mar;18(1):9–18

'Representation' in the chimpanzee. Epstein R. **Psychol Rep** 1982 Jun;50(3 Pt 1):745–6

Processing global information in briefly presented pictures. Antes JR, et al. **Psychol Res** 1981;43(3):277–92

Feature mislocalizations and misjudgments of intercharacter distance. Chastain G. **Psychol Res** 1982;44(1):51–65

Recognition deficits resulting from focussed attention in aphasia. Cohen R, et al. **Psychol Res** 1981;43(4):391–405

The influence of verbal specifications on ratings of relative properties of pictures. Jörg S, et al. **Psychol Res** 1981; 43(4):361–74

Hemispheric differences in tactile and visual recognition of Braille-like stimulus patterns with static and dynamic modes of inspection. Schmidt JM, et al. **Psychol Res** 1981; 43(3):293–305

Perceptual sampling of orthogonal straight line features. Townsend JT, et al. **Psychol Res** 1981;43(3):259–75

Contour effects in figure perception. Wandmacher J. **Psychol Res** 1981;43(4):347–60

An interactive activation model of context effects in letter perception: Part 2. The contextual enhancement effect and some tests and extensions of the model. Rumelhart DE, et al. **Psychol Rev** 1982 Jan;89(1):60–94

Similarity, separability, and the triangle inequality. Tversky A, et al. **Psychol Rev** 1982 Mar;89(2):123–54

Syntax in pictures. Jones S. **Q J Exp Psychol [A]** 1982 May; 34(Pt 2):235–43

Language and orthography as irrelevant features in colour-word and picture-word Stroop interference. Smith MC, et al. **Q J Exp Psychol [A]** 1982 Feb;34(Pt 1):153–70

Manipulating the contrast of sine wave gratings and other light distributions using polaroid. Guzman O, et al. **Vision Res** 1981;21(7):1025–8

Simultaneous recognition of two spatial-frequency components. Hirsch J, et al. **Vision Res** 1982;22(3):365–75

Detectability of amplitude- and frequency-modulation of suprathreshold sine-wave gratings. Jamar JH, et al. **Vision Res** 1982;22(3):407–16

Perceived rate of movement depends on contrast. Thompson P. **Vision Res** 1982;22(3):377–80

Contrast paradox of line target upon grating background [letter] van Meeteren A. **Vision Res** 1982;22(2):337–8

[The semantic encoding of pictures] Klimesch W. **Z Exp Angew Psychol** 1982;29(3):472–504 (Eng. Abstr.) **(Ger)**

[Anxiety, the S/R dimension and the evaluation of picture contents] Lazarus-Mainka G, et al. **Z Exp Angew Psychol** 1981;28(4):637–50 (Eng. Abstr.) **(Ger)**

[Studies on the VECP of TV pattern reversal: digital analysis of the VECP (author's transl)] Irie J. **Nippon Ganka Gakkai Zasshi** 1981 Jun 10;85(6):502–9 (Eng. Abstr.) **(Jpn)**

[Effect of contrast on binocular VECP (author's transl)] Katsumi O. **Nippon Ganka Gakkai Zasshi** 1982;86(4):341–7 (Eng. Abstr.) **(Jpn)**

[Analyses of pattern perception using supraliminal contrast transfer functions in patients with optic nerve disorders (author's transl)] Tagami Y, et al. **Nippon Ganka Gakkai Zasshi** 1982;86(1):42–6 (Eng. Abstr.) **(Jpn)**

[Effects of structural and naming factors of letters upon the recognition of tachistoscopic letters (author's transl)] Kitamori A. **Shinrigaku Kenkyu** 1981 Apr;52(1):61–4 (Eng. Abstr.) **(Jpn)**

[Visual recognition with early and delayed observer tuning to a specific set of images] Kostelianets NB, et al. **Zh Vyssh Nerv Deiat** 1982 Mar–Apr;32(2):292–9 (Eng. Abstr.) **(Rus)**

DRUG EFFECTS

EP components, visual processing stages, and the effect of a barbiturate. Frowein HW, et al. **Biol Psychol** 1981 Dec; 13:239–49

PHYSIOLOGY

Interactions among line orientation detectors. Penchev A, et al. **Acta Physiol Pharmacol Bulg** 1980;6(4):23–30

Temporal characteristics of the recognition of short lines orientation. Vassilev A, et al. **Acta Physiol Pharmacol Bulg** 1980;6(4):13–22

Perceived orientation of dot patterns: influence of the number of dots and the overall form of the pattern. Yakimoff N. **Acta Physiol Pharmacol Bulg** 1980;6(4):31–6

Wiener kernels determination in the cats lateral geniculate nucleus as a function of velocity of a sinusoidal grating: preliminary results. Veraart C, et al. **Acta Psychol (Amst)** 1981 Aug;48(1–3):311–20

Clinical and experimental evidence that the pattern electroretinogram (PERG) is generated in more proximal retinal layers than the focal electroretinogram (FERG). Arden GB, et al. **Ann NY Acad Sci** 1982;388:580–607

The pattern-evoked potential in lesions of the posterior visual

pathways. Blumhardt LD, et al. **Ann NY Acad Sci** 1982; 388:264–89

Steady-state and transient visual evoked potentials in clinical practice. Celesia GG. **Ann NY Acad Sci** 1982;388:290–307

Visual evoked responses and retinal eccentricity. Celesia GG, et al. **Ann NY Acad Sci** 1982;388:648–50

Some new methods for the analysis of lateral interactions that influence the visual evoked potential. Ratliff F, et al. **Ann NY Acad Sci** 1982;388:113–24

Pattern reversal visual evoked potentials. Studies in Charcot–Marie–Tooth hereditary neuropathy. Bird TD, et al. **Arch Neurol** 1981 Dec;38(12):739–41

The role of frontal eye-fields and superior colliculi in visual search and non-visual search in rhesus monkeys. Collin NG, et al. **Behav Brain Res** 1982 Feb;4(2):177–93

Some effects of pretectum lesions on the frogs' detection of stationary objects. Ingle DJ. **Behav Brain Res** 1980 Apr; 1(2):139–63

Pattern discrimination in rabbits kept in environments of different complexities after unilateral removal of the occipital cortex. Stuurman PM, et al. **Behav Brain Res** 1980 Jun;1(3):211–26

The effect of a unilateral ablation of the occipital lobe on pattern discrimination in the rabbit. Van Hof MW, et al. **Behav Brain Res** 1981 Nov;3(3):401–4

Event-related brain potentials to semantically inappropriate and surprisingly large words. Kutas M, et al. **Biol Psychol** 1980 Sep;11(2):99–116

The McCollough effect in children. Meyer GE, et al. **Child Dev** 1982 Jun;53(3):838–40

The effect of unilateral brain lesion on reasoning. Golding E. **Cortex** 1981 Apr;17(1):31–40

Evoked potentials in albinos: efficacy of pattern stimuli in detecting misrouted optic fibers. Creel D, et al. **Electroencephalogr Clin Neurophysiol** 1981 Dec; 52(6):595–603

Pattern processing and slow waves in visual cortex of visually deprived cats. Glass JD, et al. **Electroencephalogr Clin Neurophysiol** 1982 Mar;53(3):334–7

Pattern-reversal visual evoked potentials and retinal eccentricity. Meredith JT, et al. **Electroencephalogr Clin Neurophysiol** 1982 Mar; 53(3):243–53

The early wave of the visual evoked potential to sinusoidal gratings: responses to quadrant stimulation as a function of spatial frequency. Parker DM, et al. **Electroencephalogr Clin Neurophysiol** 1982 Apr; 53(4):427–35

Checkerboard reversal pattern and flash VEPs in dialysed and non-dialysed subjects. Rossini PM, et al. **Electroencephalogr Clin Neurophysiol** 1981 Nov; 52(5):435–44

The clinical utility of half-field pattern reversal visual evoked potential testing. Rowe MJ 3d. **Electroencephalogr Clin Neurophysiol** 1982 Jan;53(1):73–7

Pattern reversal evoked potential amplitudes: life span changes. Snyder EW, et al. **Electroencephalogr Clin Neurophysiol** 1981 Nov; 52(5):429–34

Dependence of visual evoked potentials on change of stimulated retinal area associated with different pattern displacements. Strucl M, et al. **Electroencephalogr Clin Neurophysiol** 1982 Jun; 53(6):634–42

Monocular deprivation in the Siamese cat: development of cortical orientation and direction sensitivity without visual experience. Berman N, et al. **Exp Brain Res** 1982; 46(1):147–50

An 'oblique effect' in the visual evoked potential of the cat. Bonds AB. **Exp Brain Res** 1982;46(1):151–4

Orientation deprivation in cat: what produces the abnormal cells? Gordon B, et al. **Exp Brain Res** 1982;46(1):144–6

Foveal inhibition and facilitation caused by remote grating jerks: interaction between long-range and short-range effects. Valberg A, et al. **Exp Brain Res** 1982;46(1):89–98

Differences in vernier discrimination for grating between strabismic and anisometropic amblyopes. Levi DM, et al. **Invest Ophthalmol Vis Sci** 1982 Sep;23(3):398–407

Parafoveal word perception: a further case against semantic preprocessing. Inhoff AW. **J Exp Psychol [Hum Percept]** 1982 Feb;8(1):137–45

Analysis of pattern recognition by man using detection experiments. Türke B. **J Math Biol** 1981;13(1):47–65

Response to mosquitoes (Diptera: Culicidae) to visual stimuli. Browne SM, et al. **J Med Entomol** 1981 Nov 30; 18(6):505–21

Response of Visual Cortical Neurons of the cat to moving sinusoidal gratings: response-contrast functions and spatiotemporal interactions. Holub RA, et al. **J Neurophysiol** 1981 Dec;46(6):1244–59

Criterion-free pattern and flicker thresholds. Burbeck CA. **J Opt Soc Am** 1981 Nov;71(11):1343–50

Visual form perception and the spatial phase transfer function. Burton GJ, et al. **J Opt Soc Am** 1981 Sep; 71(9):1056–63

Oral awareness and oral motor proficiency in retchers. Wright SM. **J Oral Rehabil** 1981 Sep;8(5):421–30

Striate cortex responses to periodic patterns with and without the fundamental harmonics. Albrecht DG, et al. **J Physiol (Lond)** 1981;319:497–514

The relationship between response amplitude and contrast for cat striate cortical neurones. Dean AF. **J Physiol (Lond)** 1981 Sep;318:413–27

Modulatory influences of moving textured backgrounds on responsiveness of simple cells in feline striate cortex. Hammond P, et al. **J Physiol (Lond)** 1981;319:431–42

Spatial contrast sensitivity of cells in the lateral geniculate nucleus of the rat. Lennie P, et al. **J Physiol (Lond)** 1981 Jun;315:69–79

How the contrast gain control modifies the frequency responses of cat retinal ganglion cells. Shapely RM, et al. **J Physiol (Lond)** 1981 Sep;318:161–79

Further evidence on elevated discrimination limens for reduced patterns in monkeys with inferotemporal lesions. Yaginuma S, et al. **Neuropsychologia** 1982;20(1):21–32

Effects of semantic organization on the recognition of pictures following temporal lobectomy. Zaidel DW, et al. **Neuropsychologia** 1981;19(6):813–7

Role of genetic factors in the formation of human trace responses. Mikheev VF. **Neurosci Behav Physiol** 1981 Mar–Apr;11(2):158–64

On and off contribution to the combined occipital on–off response to a pattern stimulus. Crevits L, et al. **Ophthalmologica** 1982 Mar;184(3):169–73

Visually induced tilt affects form perception. McAdie PJ, et al. **Perception** 1981;10(5):525–30

Neuropsychological studies of object recognition. Warrington EK. **Philos Trans R Soc Lond [Biol]** 1982 Jun 25;298(1089):15–33

Pattern visual evoked potentials in the rat. Onofrj M, et al. **Physiol Behav** 1982 Feb;28(2):227–30

Aperture viewing: a review and a synthesis. Morgan MJ, et al. **Q J Exp Psychol [A]** 1982 May;34(Pt 2):211–33

Pattern ERGs are abnormal in many amblyopes. Arden GB, et al. **Trans Ophthalmol Soc UK** 1980;100(4):453–60

Alpha-stripes: a spatial periodicity appearing in stroboscopically illuminated moving random dot patterns. Adler B, et al. **Vision Res** 1981;21(6):913–24

The influence of spatial frequency and contrast on the perception of moving patterns. Campbell FW, et al. **Vision Res** 1981;21(5):713–21

Monocular rivalry occurs without eye movements. Crassini B, et al. **Vision Res** 1982;22(1):203–4

Facilitation and inhibition in the jerk effect depend upon test flash duration and delay. Dortmann U, et al. **Vision Res** 1981;21(12):1783–91

Learning in grating waveform discrimination: specificity for orientation and spatial frequency. Fiorentini A, et al. **Vision Res** 1981;21(7):1149–58

Contrast detection and near-threshold discrimination in human vision. Foley JM, et al. **Vision Res** 1981; 21(7):1041–53

A power law for perceived contrast in human vision. Gottesman J, et al. **Vision Res** 1981;21(6):791–9

Spatial frequency effects in masking by light. Green M. **Vision Res** 1981;21(6):861–6

Psychophysical relationships among mechanisms sensitive to pattern, motion and flicker. Green M. **Vision Res** 1981; 21(7):971–83

Detection of differential displacements of random dot patterns at different dot densities. Hadani I, et al. **Vision Res** 1981;21(7):1193–5

Analysis of the angle perception based on the angle matching technique. Kawabata N. **Vision Res** 1981;21(5):701–3

Human fast retinal potentials and the spatial properties of a visual stimulus. Korth M. **Vision Res** 1981;21(5):627–30

Orientation specificity in the visible persistence for checkerboards. Lovegrove W, et al. **Vision Res** 1981; 21(8):1239–40

Interocular transfer of the motion after-effect is not reduced by binocular rivalry. O'Shea RP, et al. **Vision Res** 1981; 21(6):801–4

Shifts in perceived periodicity induced by temporal modulation and their influence on the spatial frequency tuning of two aftereffects. Parker A. **Vision Res** 1981; 21(12):1739–47

Evoked potentials and reaction times to the offset and contrast reversal of sinusoidal gratings. Parker DM, et al. **Vision Res** 1982;22(1):205–7

High frequency limitations on Mach bands. Ross J, et al. **Vision Res** 1981;21(7):1165–7

Mechanism of Craik–O'Brien effect. Sakata H. **Vision Res** 1981;21(5):693–9

The influence of field size upon the spatial frequency response of optokinetic nystagmus. Schor C, et al. **Vision Res** 1981; 21(7):985–94

The spatial frequency dependence of interocular transfer in amblyopes. Selby SA, et al. **Vision Res** 1981;21(9):1401–8

Effect of retinal blur on the peak latency of the pattern evoked potential. Sokol S, et al. **Vision Res** 1981; 21(8):1279–86

A stereoscopic presentation of the Hermann Grid. Troscianko T. **Vision Res** 1982;22(4):485–9

Peripheral contrast reversal inhibits visually evoked potentials in the fovea. Valberg A, et al. **Vision Res** 1981; 21(6):947–50

Propagation of inhibition. van der Wildt GJ, et al. **Vision Res** 1981;21(12):1765–71

The statistical efficiency for detecting sinusoidal modulation of average dot density in random figures. van Meeteren A, et al. **Vision Res** 1981;21(6):765–77

Discrimination at threshold: labelled detectors in human vision. Watson AB, et al. **Vision Res** 1981;21(7):1115–22

Contour curvature analysis: hyperacuities in the discrimination of detailed shape. Watt RJ, et al. **Vision Res** 1982;22(4):449–60

Spatial frequency response and perceived depth in the time-course of object superiority. Williams MC, et al. **Vision Res** 1981;21(5):631–46

A purely binocular mechanism in human vision. Wolfe JM, et al. **Vision Res** 1981;21(12):1755–9

[Studies on the visual evoked potentials elicited by laser speckle pattern, (IV) Method of pattern modulation (author's transl)] Fukuhara J, et al. **Nippon Ganka Gakkai Zasshi** 1981 Oct 10;85(10):1559–66 (Eng. Abstr.) **(Jpn)**

[Task differences in the tachistoscopic Kanji recognition and their relations to hemisphere asymmetries (author's transl)] Hatta T. **Shinrigaku Kenkyu** 1981 Aug;52(3):139–44 (Eng. Abstr.) **(Jpn)**

[An analysis of the 'same-different' judgment process in the color and form multidimensional stimulus (author's transl)] Kamizono S. **Shinrigaku Kenkyu** 1981 Oct;52(4):206–12 (Eng. Abstr.) **(Jpn)**

[Modes of information processing underlying hemispheric functional differences (author's transl)] Nishikawa Y, et al. **Shinrigaku Kenkyu** 1981 Feb;51(6):335–42 (Eng. Abstr.) **(Jpn)**

[Effects of subjective contours in stroboscopic motion (author's transl)] Ohmura H. **Shinrigaku Kenkyu** 1981 Oct; 52(4):233–9 (Eng. Abstr.) **(Jpn)**

[Analysis of the work of the retina in isolating a contour signal] Lebedev DG. **Biofizika** 1981 Sep–Oct;26(5):860–3 **(Rus)**

[Analysis of concrete and abstract cues as a function of different hemispheres in the white rat] Bianki VL. **Zh Vyssh Nerv Deiat** 1982 Jan–Feb;32(1):54–62 (Eng. Abstr.) **(Rus)**

[Mechanisms of the of perception of written speech] Budohoska W, et al. **Zh Vyssh Nerv Deiat** 1982 Mar–Apr; 32(2):202–8 **(Rus)**

FORMALDEHYDE

Extraction of dilute ethanol of formaldehyde-fixed dissecting specimens. Björkman N, et al. **Acta Anat (Basel)** 1982; 112(1):1–8

A method to eliminate free formalin from embalmed human bodies. van der Eerden WJ, et al. **Acta Morphol Neerl Scand** 1981 Dec;19(4):307–9

An automated system for the handling, diluting, and dispensing of formaldehyde. Lupovitch A, et al. **Am J Clin Pathol** 1981 Oct;76(4):453–8

Residual formaldehyde in dialyzers: quantity, location, and the effect of different methods of rinsing. Lewis KJ, et al. **Artif Organs** 1981 Aug;5(3):269–77

Reductive methylation of membrane proteins in human erythrocyte ghosts. Butterfield DA, et al. **Biosci Rep** 1982 Apr;2(4):235–9

Sources and concentrations of organic compounds in indoor environments. Hollowell CD, et al. **Bull NY Acad Med** 1981 Dec;57(10):962–77

Recent developments in aldehyde-induced monoamine fluorescence: the aluminum–formaldehyde (ALFA) method applied to immature and adult central nervous tissue. Lindvall O, et al. **Histochem J** 1981 Jul;13(4):583–98 (25 ref.)

The formaldehyde–fluorescamine method. An investigation of reaction mechanisms and optimization of the method. Hougaard DM, et al. **Histochemistry** 1981;72(3):401–13

Effect of fermentation and formalin preservation on the protein component of bovine colostrum. Bush RS, et al. **J Dairy Sci** 1981 Aug;64(8):1695–9

Survival of Legionella pneumophila after decontamination with paraformaldehyde gas. Winn WC Jr, et al. **J Infect Dis** 1982 Aug;146(2):291

Uranyl–formol: a simple and reliable stain for routine electron microscope observation of ultrathin sections. Mazza A, et al. **J Submicrosc Cytol** 1981 Jul;13(3):473–8

The reliability of dimensions of formalin–fixed brains. Small CS, et al. **Neurology (NY)** 1982 Apr;32(4):413–5

Reactions of formaldehyde with guanosine. Hemminki K. **Toxicol Lett** 1981 Oct;9(2):161–4

[On the use of polyoxymethylene in dentistry (author's transl)] Liu BQ. **Chung Hua Kou Chiang Ko Tsa Chih** 1981 Jun;16(2):104–6 **(Chi)**

[Experimental test of two tissue adhesives (GRF and IBC 2) in vascular microsurgery in the rat (author's transl)] Olivier A, et al. **J Chir (Paris)** 1982 Apr;119(4):261–6 (Eng. Abstr.) **(Fre)**

[Controlled dissecting laboratory trial of different phenol–free–embalming fluids in comparison with phenol–formalin–solution (author's transl)] Lischka MF, et al. **Anat Anz** 1981;150(1–2):226–34 (Eng. Abstr.) **(Ger)**

[Formaldehyde fixation for selective immunofluorescence of membrane antigens] Vasconcelos–Costa J. **Acta Med Port** 1981 Sep–Dec;3(5–6):323–8 **(Por)**

[Interaction of monomeric components of nucleic acids with histone and polylysine in the presence of formaldehyde] Volkov VS, et al. **Biokhimiia** 1981 Oct;46(10):1832–9 (Eng. Abstr.) **(Rus)**

[Kinetics of the reaction between formaldehyde and proteins] Rott GM, et al. **Mol Biol (Mosk)** 1981 Jul–Aug;15(4):790–6 (Eng. Abstr.) **(Rus)**

ADMINISTRATION & DOSAGE

Open instillation of formalin for hemorrhagic cystitis in a child. Gislason T, et al. **Urology** 1981 Nov;18(5):496–7

[Formol treatment of a palpebral epithelial cyst in Stevens–Johnson syndrome] Haut J, et al. **Bull Soc Ophtalmol Fr** 1982 Jan;82(1):13–4 **(Fre)**

[Formalin infiltration of the ductus arteriosus in ductus dependent cardiac anomalies (author's transl)] Okamoto Y, et al. **Kyobu Geka** 1982;35(2):97–100 (Eng. Abstr.) **(Jpn)**

ADVERSE EFFECTS

Immediate sunburn–like reaction in a patient with formaldehyde photosensitivity. Shelley WB. **Arch Dermatol** 1982 Feb;118(2):117–8

Formaldehyde sensitivity in patients allergic to formaldehyde–releasing biocides [letter] Dahl MG. **Br J Dermatol** 1982 Jan;106(1):119

Current status of urea–formaldehyde foam insulation [editorial] Campbell JS, et al. **Can Med Assoc J** 1981 Aug 15;125(4):329–31

Occupational asthma caused by cedar urea formaldehyde particle board. Cockcroft DW, et al. **Chest** 1982 Jul; 82(1):49–53

Contact sensitization to 2–monomethylol phenol in phenol formaldehyde resin as an example of the recognition and prevention of industrial dermatoses. Rycroft RJ. **Clin Exp Dermatol** 1982 May;7(3):285–90

Formaldehyde contact allergy. Agathos M. **Contact Dermatitis** 1982 Jan;8(1):79–80

Cost benefit of patch testing with textile finish resins. Andersen KE, et al. **Contact Dermatitis** 1982 Jan;8(1):64–7

Contact allergy to colophony and formaldehyde from sand cores. Dahlquist I. **Contact Dermatitis** 1981 May;7(3):167–8

Unusual formaldehyde dermatitis. Lembo G, et al. **Contact Dermatitis** 1982 Jul;8(4):272

Non–inflammatory onycholysis from formaldehyde–containing nail hardener. Mitchell JC. **Contact Dermatitis** 1981 May;7(3):173

Occupational purpuric textile dermatitis from formaldehyde resins. Romaguera C, et al. **Contact Dermatitis** 1981 May; 7(3):152–3

Report of the Federal Panel on Formaldehyde. **Environ Health Perspect** 1982 Feb;43:139–68

Formaldehyde in dentistry: a review of mutagenic and carcinogenic potential. Lewis BB, et al. **J Am Dent Assoc** 1981 Sep;103(3):429–34 (115 ref.)

The formaldehyde debate [letter] Lewis BB. **J Am Dent Assoc** 1982 Jun;104(6):816, 818

Longevity of the formaldehyde–preserved Hancock porcine heterograft. Bortolotti U, et al. **J Thorac Cardiovasc Surg** 1982 Sep;84(3):451–3

Health hazards of formaldehyde [letter] Goh KO, et al. **JAMA** 1982 May 28;247(20):2778

The uncertain consequences of formaldehyde toxicity. Yodaiken RE. **JAMA** 1981 Oct 9;246(15):1677–8

Health hazards of formaldehyde [letter] **Lancet** 1981 Oct 31; 2(8253):980–1

Lung cancer risk from formaldehyde [letter] Jensen OM, et al. **Lancet** 1982 Apr 17;1(8277):913

Problems in hemodialysis [letter] Zasuwa G, et al. **N Engl J Med** 1982 Jun 24;306(25):1550

Formaldehyde: medical ally or adversary. Greenberg SR. **Proc Inst Med Chic** 1981 Oct–Dec;34(4):105, 107

Formaldehyde: a question of cancer policy? Perera F, et al. **Science** 1982 Jun 18;216(4552):1285–91

The renal response of formalinization. Greenberg SR. **Urol Int** 1982;37(1):45–8

Intraperitoneal spillage of formalin after intravesical instillation. Capen CV, et al. **Urology** 1982 Jun; 19(6):599–601

[Effects of formaldehyde on the staff of selected day care institutions] Døssing M, et al. **Ugeskr Laeger** 1981 Oct 19; 143(43):2841–4 (Eng. Abstr.) **(Dan)**

[Hidden formaldehyde] Hanselaar AG, et al. **Ned Tijdschr Geneeskd** 1982 May 29;126(22):1007–8 **(Dut)**

[Hypersensitivity to formaldehyde] Young E. **Ned Tijdschr Geneeskd** 1982 May 29;126(22):985–9 **(Dut)**

[Allergy to edta and formaldehyde (author's transl)] Pevny I, et al. **Derm Beruf Umwelt** 1981;29(6):151–6 (Eng. Abstr.) **(Ger)**

[Formaldehyde in modern environmental toxicology] Beritić T, et al. **Arh Hig Rada Toksikol** 1981 Dec;32(4):363–94 (74 ref.) (Eng. Abstr.) **(Scr)**

[The effect of inhalation exposure to phenolformaldehyde and melamine bitumens on HDL cholesterol levels in humans (author's transl)] Turay J, et al. **Cas Lek Cesk** 1981 Jun 18;120(24):729–32 (Eng. Abstr.) **(Slo)**

ANALYSIS

Formaldehyde exposure in nonoccupational environments. Dally KA, et al. **Arch Environ Health** 1981 Nov–Dec; 36(6):277–84

Formaldehyde levels in the air of houses containing urea–formaldehyde foam insulation. Williams DT, et al. **Can J Public Health** 1981 Sep–Oct;72(5):331–4

Formaldehyde in household cleaning agents. Lachapelle JM, et al. **Contact Dermatitis** 1981 May;7(3):166–7

Analysis of formaldehyde in shrimp by high–pressure liquid chromatography. Radford T, et al. **J Agric Food Chem** 1982 May–Jun;30(3):600–2

Estimation of residual free formaldehyde in oil–emulsion vaccines. Chandler MD, et al. **J Biol Stand** 1982 Apr; 10(2):169–70

[Measuring method for emission of formaldehyde in phenol plastics production] Ohme K, et al. **Z Gesamte Hyg** 1982; 28(1):32–5 (Eng. Abstr.) **(Ger)**

[Formaldehyde concentration in the room air of medical institutions using formaldehyde–containing disinfectants] Senf L, et al. **Z Gesamte Hyg** 1982 May;28(5):313–7 (Eng. Abstr.) **(Ger)**

[Microdetermination of free formaldehyde in commercial clothes by high performance liquid chromatography (author's transl)] Okamoto M, et al. **Yakugaku Zasshi** 1981 Apr;101(4):378–81 (Eng. Abstr.) **(Jpn)**

[Determination of trace amounts of formaldehyde in air] Klochkovskiĭ SP, et al. **Gig Sanit** 1981 Jul;(7):47–8 **(Rus)**

DIAGNOSTIC USE

Apparent lack of tolerance in the formalin test suggests different mechanisms for morphine analgesia in different types of pain. Abbott FV, et al. **Pharmacol Biochem Behav** 1981 Oct;15(4):637–40

IMMUNOLOGY

Prevention of anti–N like antibodies development with nonformaldehyde reuse procedure. Man NK, et al. **Proc Clin Dial Transplant Forum** 1980;10:18–21

ISOLATION & PURIFICATION

[Usefulness of the Formotest reagent in the detection of formaldehyde in repeatedly used dialyzers] Panasiuk E, et al. **Pol Tyg Lek** 1981 Apr 20;36(16):557–9 (Eng. Abstr.) **(Pol)**

METABOLISM

Interaction of coenzyme M and formaldehyde in methanogenesis. Romesser JA, et al. **Biochem J** 1981 Sep 1;197(3):565–71

Production of formaldehyde during metabolism of dimethyl sulfoxide by hydroxyl radical generating systems. Klein SM, et al. **Biochemistry** 1981 Oct 13;20(21):6006–12

Purification and properties of a transketolase responsible for formaldehyde fixation in a methanol–utilizing yeast, candida boidinii (Kloeckera sp.) No. 2201. Kato N, et al. **Biochim Biophys Acta** 1982 Apr 13;715(2):143–50

The in vitro methylation of DNA by microsomally–activated dimethylnitrosamine and its correlation with formaldehyde production. Jensen DE, et al. **Carcinogenesis** 1981; 2(4):349–54

Fish muscle microsomes catalyze the conversion of trimethylamine oxide to dimethylamine and formaldehyde. Parkin KL, et al. **FEBS Lett** 1982 Mar 8;139(1):61–4

Carbon 13 nuclear magnetic resonance studies on formaldehyde reactions with polyfunctional amino–acids. Tome D, et al. **Int J Pept Protein Res** 1981 Apr;17(4):501–7

Possible role of the control of arginase and methionine adenosyl transferase in the transport processes of endogenous formaldehyde and in hypermethylation. Csiba A, et al. **Med Hypotheses** 1982 Apr;8(4):409–12

Urinary sulfur containing metabolites after administration of ethanol, acetaldehyde and formaldehyde to rats. Hemminki K. **Toxicol Lett** 1982 Apr;11(1–2):1–6

Formaldehyde metabolism by the rat: a re–appraisal. Mashford PM, et al. **Xenobiotica** 1982 Feb;12(2):119–24

Formaldehyde metabolism by the rat: a re–appraisal. Mashford PM, et al. **Xenobiotica** 1982 Feb;12(2):119–24

[Endogenous and exogenous formaldehyde in acute ischemia of organs] Lapkina TI, et al. **Biull Eksp Biol Med** 1982 Feb;93(2):38–40 **(Rus)**

PHARMACODYNAMICS

Resistance of Mycobacterium chelonei–like organisms to formaldehyde. Hayes PS, et al. **Appl Environ Microbiol** 1982 Mar;43(3):722–4

Loss of fibronectin among the selective surface protein changes associated with p–formaldehyde promoted membrane vesiculation. Rieber M, et al. **Biochem Biophys Res Commun** 1982 Jan 29;104(2):844–50

A study of the effects of glutaraldehyde and formaldehyde on the mechanical behaviour of bovine pericardium. van Noort R, et al. **Biomaterials** 1982 Jan;3(1):21–6

Utilization of low–quality roughages; effects of supplementing with casein treated or untreated with formaldehyde on digesta flows, intake and growth rate of cattle eating wheat straw. Sriskandarajah N, et al. **Br J Nutr** 1982 May;47(3):553–63

Initiation of C3H/10T1/2 cell transformation by formaldehyde. Ragan DL, et al. **Cancer Lett** 1981 Sep; 13(4):325–31

The role of formaldehyde in methylene dimethanesulphonate–induced DNA cross–links and its relevance to cytotoxicity. Bedford P, et al. **Chem Biol Interact** 1981 Dec;38(1):119–28

Morphine analgesia in tail–flick and formalin pain tests is mediated by different neural systems. Abbott FV, et al. **Exp Neurol** 1982 Mar;75(3):644–51

Toxoplasma gondii infection of the central nervous system. Use of the peroxidase–antiperoxidase method to demonstrate toxoplasma in formalin fixed, paraffin embedded tissue sections. Conley FK, et al. **Hum Pathol** 1981 Aug;12(8):690–8

Effects of reductive methylation on microtubule assembly. Evidence for an essential amino group in the alpha–chain. Szasz J, et al. **J Biol Chem** 1982 Apr 10;257(7):3697–704

Safety considerations in handling exoantigen extracts from pathogenic fungi. Standard PG, et al. **J Clin Microbiol** 1982 Apr;15(4):663–7

Paraformaldehyde fixation of hematopoietic cells for quantitative flow cytometry (FACS) analysis. Lanier LL, et al. **J Immunol Methods** 1981;47(1):25–30

Motility and eosin uptake of formaldehyde–treated ram spermatozoa. Osinowo OA, et al. **J Reprod Fertil** 1982 Jul; 65(2):389–94

Lack of effect of morphine and noxious stimuli on the MET–enkephalin content in the spinal dorsal horn and nucleus reticularis gigantocellularis of the rat. Kuraishi Y, et al. **Life Sci** 1982 Jun 14;30(24):2071–7

The rapid activation of tyrosine hydroxylase by the subcutaneous injection of formaldehyde. Masserano JM, et al. **Life Sci** 1981 Nov 9;29(19):2025–9

Genetic effects in the mouse of formaldehyde in combination with adenosine and hydrogen peroxide. Fontignie–Houbrechts N, et al. **Mutat Res** 1982 Jul; 104(6):371–6

Fixation of semi–thin sections for combined light and electron microscopy. Nagato Y, et al. **Okajimas Folia Anat Jpn** 1981 Jun;58(2):69–79

[Testing formaldehyde and mercuric (II) chloride in vaseline] Richter G. **Dermatol Monatsschr** 1982 Jan;168(1):49–50 **(Ger)**

[Bacteriological testing of formaldehyde disinfection chambers] Sacré C, et al. **Off Gesundheitswes** 1982 Jun; 44(6):386–9 **(Ger)**

[Heat activation of bacterial spores after inactivation by formaldehyde. Dependence of heat activation on temperature and duration of action (author's transl)] Spicher G, et al. **Zentralbl Bakteriol Mikrobiol Hyg [B]** 1981;173(3–4):188–96 (Eng. Abstr.) **(Ger)**

[Microbial resistance to formaldehyde. II. Dependence of the microbicidal effect upon the concentration of and the period of exposure to formaldehyde (author's transl)] Spicher G, et al. **Zentralbl Bakteriol Mikrobiol Hyg [B]** 1981;174(1–2):133–50 (Eng. Abstr.) **(Ger)**

[Formaldehyde–induced tight binding of protein to RNA in particles of rod–like viruses. Nature and specificity of the crosslinks] Kiseleva NP, et al. **Biokhimiia** 1981 Nov; 46(11):2019–23 (Eng. Abstr.) **(Rus)**

[Apropos Feigel'man's article, 'Appearance of Viability in Tissues Preserved in Weak Solutions of Formalin'] Rodnianskiĭ LL. **Ortop Travmatol Protez** 1981 Nov;(11):57 **(Rus)**

[Viability of formalinized biotransplants (apropos of Feigel'man's article, 'Appearance of Viability in Tissues Preserved in Weak Solutions of Formalin')] Savel'ev VI. **Ortop Travmatol Protez** 1981 Nov;(11):55–7 **(Rus)**

[Effect of formaldehyde on the ribonucleoprotein structure of Sendai virus] Busse TL, et al. **Vopr Virusol** 1982 Jan–Feb; (1):75–80 (Eng. Abstr.) **(Rus)**

POISONING

Formaldehyde induced symptoms in day care centers. Olsen JH, et al. **Am Ind Hyg Assoc J** 1982 May;43(5):366–70

[Lethal intoxication by formalin during dialysis (author's transl)] Erkrath KD, et al. **Z Rechtsmed** 1981;87(3):233–6 (Eng. Abstr.) **(Ger)**

THERAPEUTIC USE

[The use of N2 in root canal obturation in the primary care of premolars and incisors in adults and school children] Bak M. **Fogorv Sz** 1982 Jan;75(1):17–9 **(Hun)**

[Formolization of the bladder mucosa for hemostatic purposes] Proca E, et al. **Rev Chir [Chir]** 1980 Jul–Aug; 29(4):253–7 (Eng. Abstr.) **(Rum)**

[Treatment of hemorrhagic cystitis] Tramoyeres Celma A, et al. **Actas Urol Esp** 1981 May–Jun;5(3):201–4 (Eng. Abstr.) **(Spa)**

TOXICITY

Health implications of urea–formaldehyde foam insulation. Wiberg GS, et al. **Can J Public Health** 1981 Sep–Oct; 72(5):335–8

Carcinogenicity of formaldehyde vapor: interim findings in a long–term bioassay of rats and mice. Swenberg J, et al. **Dev Toxicol Environ Sci** 1980;8:283–6

Potential hazards of formaldehyde [letter] **J Am Dent Assoc** 1982 Mar;104(3):288

Formaldehyde toxicity [letter] Bender JR, et al. **JAMA** 1982 Jul 16;248(3):308–9

Gaseous formaldehyde and hydrogen chloride induction of nasal cancer in the rat. Albert RE, et al. **JNCI** 1982 Apr; 68(4):597–603

Formaldehyde exposure in work and the general environment. Occurrence and possibilities for prevention. Niemelä R, et al. **Scand J Work Environ Health** 1981 Jun; 7(2):95–100

EPA may be redefining toxic substances [news] Sun M. **Science** 1981 Oct 30;214(4520):525–6

Effect of single or repeated formaldehyde exposure on minute volume of B6C3F1 mice and F–344 rats. Chang JC, et al. **Toxicol Appl Pharmacol** 1981 Dec;61(3):451–9

[Formaldehyde exposure: value and significance of statistical projection. I. Judgment of a standard] Re MR, et al. **Ann Ist Super Sanita** 1981;17(3):511–4 **(Ita)**

[Toxicity of vinyl chloride and formaldehyde mixture in the air] Chyba A. **Rocz Panstw Zakl Hig** 1981;32(1):23–7 (Eng. Abstr.) **(Pol)**

[Hygienic evaluation of the polyamide membranes, phenilon–2c and the phenolformaldehyde resin VIAM–B, used in reverse–osmosis water desalinization] Rakhmanin IuA, et al. **Gig Sanit** 1981 Oct;(10):19–22 (Eng. Abstr.) **(Rus)**

URINE

Effect of urinary acidifiers on formaldehyde concentration and efficacy with methenamine therapy. Nahata MC, et al. **Eur J Clin Pharmacol** 1982;22(3):281–4

FORMALIN see under **FORMALDEHYDE**

FORMAMIDASE see under **AMIDOHYDROLASES**

FORMAMIDES

Effects of formamide on the polymerization and depolymerization of muscle actin. Zechel K. **Eur J Biochem** 1981 Sep;119(1):209–13

Optimization of the ethanol precipitation of RNA from formamide containing solutions. Nadin–Davis S, et al. **Prep Biochem** 1982;12(1):49–56

METABOLISM

[Comparative evaluation of absorption of toxic compounds through the skin of rabbits and rats (author's transl)] Czajkowska T. **Przegl Lek** 1981;38(9):659–62 (Eng. Abstr.) **(Pol)**

PHARMACODYNAMICS

Formamide–induced dissociation and inactivation of Escherichia coli alkaline phosphatase. Metal–dependent reassociation and restoration of activity from isolated subunits. Falk MC, et al. **Biochemistry** 1982 Mar 30; 21(7):1471–8

Excitation–contraction uncoupling of striated muscle fibres by formamide treatment: evidence of detubulation. Argiro V. **J Muscle Res Cell Motil** 1981 Sep;2(3):283–94

Inhibitory action of high formamide concentrations on excitation–contraction coupling in skeletal muscle. de Motta GE, et al. **J Neurosci Res** 1982;7(2):163–78

Organic solvents modify the calcium control of flagellar movement in sea urchin sperm. Gibbons BH, et al. **Nature** 1981 Jul 2;292(5818):85–6

THERAPEUTIC USE

N–methylformamide: antitumour activity and metabolism in mice. Gescher A, et al. **Br J Cancer** 1982 Jun;45(6):843–50

FORMATE DEHYDROGENASES see under **ALDEHYDE OXIDOREDUCTASES**

FORMATES

The use of diethylpyrocarbonate for sequencing adenines and guanines in DNA. Krayev AS. **FEBS Lett** 1981 Jul 20; 130(1):19–22

Weak acid permeability through lipid bilayer membranes. Role of chemical reactions in the unstirred layer. Walter A, et al. **J Gen Physiol** 1982 May;79(5):917–33

ANALYSIS

Improved measurement of low concentrations of conjugated bilirubin with the DuPont aca [letter] Bowie LJ, et al. **Clin Chem** 1982 Feb;28(2):385–6

Improved estimation of formate in body fluids and tissues [letter] Makar AB, et al. **Clin Chem** 1982 Feb;28(2):385

METABOLISM

Cell Yields of Vibrio succinogenes growing with formate and fumarate as sole carbon and energy sources in chemostat culture. Mell H, et al. **Arch Microbiol** 1982 May; 131(3):224–8

Effect of 4–hydroxypyrazole on tryptophan and formate metabolism in isolated rat liver cells. Cook JS, et al. **Biochem J** 1982 Apr 15;204(1):307–12

Lactate and formate in methanol poisoning [letter] **Lancet** 1982 Mar 6;1(8271):561–2

PHARMACODYNAMICS

Diethyl pyrocarbonate inactivates swine pepsinogen by reaction at amino groups. McPhie P, et al. **Arch Biochem Biophys** 1981 Oct 1;211(1):471–7

The chemical reactivity of the histidine–195 residue in lactate dehydrogenase thiomethylated at the cysteine–165 residue. Bloxham DP. **Biochem J** 1981 Jan 1;193(1):93–7

Inactivation of dihydrofolate reductase from Lactobacillus casei by diethyl pyrocarbonate. Daron HH, et al. **Biochemistry** 1982 Feb 16;21(4):737–41

Modification of active site histidine in ribulosebisphosphate carboxylase/oxygenase. Saluja AK, et al. **Biochemistry** 1982 Jan 5;21(1):89–95

Nuclear magnetic resonance and chemical modification studies of the role of the metal in yeast aldolase. Smith GM, et al. **Biochemistry** 1981 Jul 21;20(15):4340–6

Modification of enoyl–CoA hydratase using diethyl pyrocarbonate. Lambiris SK, et al. **Biochim Biophys Acta** 1981 Aug 13;660(2):271–7

Modification of the essential amino acids of human pancreatic carboxylic–ester hydrolase. Lombardo D. **Biochim Biophys Acta** 1982 Jan 4;700(1):67–74

Analysis of site occupancies in [32P]phosphorylated pyruvate dehydrogenase complexes by aspartyl–prolyl cleavage of tryptic phosphopeptides. Sale GJ, et al. **Eur J Biochem** 1981 Dec;120(3):535–40

Effect of diethylpyrocarbonate on pH–driven monoamine uptake by chromaffin granule ghosts. Isambert MF, et al. **FEBS Lett** 1981 Dec 21;136(1):13–8

Topography of 5.8 S rRNA in rat liver ribosomes. Identification of diethyl pyrocarbonate–reactive sites. Lo AC, et al. **J Biol Chem** 1982 Apr 10;257(7):3516–24

A histidine residue in p–hydroxybenzoate hydroxylase essential for binding of reduced nicotinamide adenine dinucleotide phosphate. Shoun H, et al. **J Biol Chem** 1982 Apr 10;257(7):3422–8

Chemical modifications of Serratia marcescens anthranilate synthase component I. Tso JY, et al. **J Biol Chem** 1981 Oct 10;256(19):9901–8

Possible occurrence and role of an essential histidyl residue in succinate dehydrogenase. Vik SB, et al. **Proc Natl Acad Sci USA** 1981 Nov;78(11):6749–53

Recovery of heterokaryons at high cell densities following isolation using irreversible biochemical inhibitors. Wright WE. **Somatic Cell Genet** 1981 Nov;7(6):769–75

[Modification of Escherichia coli RNA polymerase by diethylpyrocarbonate. II. Binding and unwinding of double stranded DNA] Rozovskaia TA, et al. **Mol Biol (Mosk)** 1981 Jan–Feb;15(1):79–85 (Eng. Abstr.) **(Rus)**

[Effect of formate on 14C incorporation from various precursors into rat liver proteins and lipids] Gulyi MF, et al. **Ukr Biokhim Zh** 1982 Mar–Apr;54(2):163–6 (Eng. Abstr.) **(Rus)**

RADIATION EFFECTS

Reactions of ethanol and formate radicals with ribonuclease A and bovine serum albumin in radiolysis. Schuessler H. **Int J Radiat Biol** 1981 Nov;40(5):483–92

FORMAZANS see under **AZO COMPOUNDS**

FORMETANATE see under **CARBAMATES**

FORMIC ACID ESTERS see under **FORMIC ACIDS**

FORMIC ACIDS

ADVERSE EFFECTS

[Eye burns caused by formic acid in agriculture] Peyres Blanques J. **Bull Soc Ophtalmol Fr** 1981 Jun–Jul; 81(6–7):679–80 **(Fre)**

METABOLISM

Combined formate and lactate acidosis in methanol poisoning [letter] Smith SR, et al. **Lancet** 1981 Dec 5;2(8258):1295–6

PHARMACODYNAMICS

Disinfecting properties of performic acid against bacteriophage phi X 174 as a model of small envelope–free viruses. Bydžovská O, et al. **J Hyg Epidemiol Microbiol Immunol** 1981;25(4):414–23

POISONING

Peritoneoscopic study on rat liver cell necrosis induced by carbon tetrachloride and allyl formate. Ito T, et al. **Gastroenterol Jpn** 1982;17(1):31–5

FORMIMINOGLUTAMIC ACID see under **GLUTARATES**

FORMOCRESOLS

ADMINISTRATION & DOSAGE

[Radiographic follow–up of primary molars following sclerosing amputation] Boeve CM, et al. **Rev Belge Med Dent** 1982 Jan;37(1):9–15 (Eng. Abstr.) **(Dut)**

PHARMACODYNAMICS

Glutaraldehyde: an alternative to formocresol for vital pulp therapy. Davis MJ, et al. **ASDC J Dent Child** 1982 May–Jun;49(3):176–80

THERAPEUTIC USE

Formocresol pulpotomy in primary molars: a long–term radiographic evaluation. Boeve C, et al. **ASDC J Dent Child** 1982 May–Jun;49(3):191–6

FORMOTHION see under **INSECTICIDES, ORGANOTHIOPHOSPHATE**

FORMS AND RECORDS CONTROL see under **OFFICE MANAGEMENT**

FORMULARIES

How essential is the W.H.O. 'essential' drug list?: the example of Zimbabwe. Summers RS. **Cent Afr J Med** 1981 Nov; 27(11):228–31

Why not compile your own formulary? Jolles M. **J R Coll Gen Pract** 1981 Jun;31(227):372

Audit Reviewed. The pounds. s. d. of A to G. Bullimore DW. **J R Coll Physicians Lond** 1982 Apr;16(2):135–6

[Presentation of 2 formularies: 'Formulary of Clinical Therapeutics' (XV edition) and 'Formulary of Emergencies' (XVII edition] Lorenzo Velázquez B. **An R Acad Nac Med (Madr)** 1981;98(2):211–26 **(Spa)**

FORMULARIES, DENTAL

A dental school formulary. Gill C. **J Dent Educ** 1982 Sep; 46(9):561–2

FORMULARIES, HOSPITAL

Evaluation of a limited drug formulary in an adult internal medicine clinic. Andersen JM, et al. **Am J Hosp Pharm** 1982 Jul;39(7):1184–6

Impact of a nonformulary drug notification form. Cascio MV, et al. **Am J Hosp Pharm** 1982 Jun;39(6):1039–41

Restricted cephalosporin use in teaching hospitals. Johnson PN, et al. **Am J Hosp Pharm** 1981 Apr;38(4):513–7

Strategies for deleting popular drugs from a hospital formulary. Lemay AP, et al. **Am J Hosp Pharm** 1981 Apr; 38(4):506–10

Fatal falciparum malaria and the availability of parenteral antimalarial drugs in hospitals. Kapila M, et al. **Br Med J [Clin Res]** 1982 May 22;284(6328):1547–8

ECONOMICS

Reducing the number of formulary theophylline preparations. Anandan JV. **Am J Hosp Pharm** 1981 Apr;38(4):511–3

LEGISLATION & JURISPRUDENCE

Therapeutic substitution and the hospital formulary system. Doering PL, et al. **Am J Hosp Pharm** 1981 Dec; 38(12):1949–51

STANDARDS

Another view on central warehousing of dantrolene [letter] Britt BA. **Am J Hosp Pharm** 1981 Apr;38(4):464, 467

FORMULARY COMMITTEE see **PHARMACY AND THERAPEUTICS COMMITTEE**

FORMYCINS see under **ANTIBIOTICS, ANTINEOPLASTIC**

N–FORMYLMETHIONINE see under **METHIONINE**

N(5)–FORMYLTETRAHYDROFOLATE see **CITROVORUM FACTOR**

FORMYLTETRAHYDROFOLATE SYNTHETASE see under **LIGASES**

FORMYLTETRAHYDROFOLATES see under **TETRAHYDROFOLATES**

FORSSMAN ANTIGEN

Carbon–13 nuclear–magnetic–resonance spectroscopy of Forssman hapten. Koerner TA Jr, et al. **Biochem J** 1981 Jun 1;195(3):529–33

[Synthesis of the pentasaccharide chain of the Forsman antigen] Paulsen H, et al. **Carbohydr Res** 1982 Mar 1; 100:143–67 (Eng. Abstr.) **(Ger)**

ANALYSIS

Blood group A–like glycolipid and a novel Forssman antigen in the hepatocarcinoma of a blood group O individual. Yokota M, et al. **Cancer Res** 1981 Oct;41(10):4185–90

The glycoprotein nature of Forssman antigen in dog gastric mucus. Slomiany BL, et al. **FEBS Lett** 1981 Aug 3; 130(2):201–4

Expression of Forssman antigen synthesis and degradation in human lung cancer. Taniguchi N, et al. **JNCI** 1981 Sep; 67(3):577–83

Anti–Forssman antibody in human sera: properties and decreased level in cancer patients. Kijimoto–Ochiai S, et al. **Jpn J Exp Med** 1981 Jun;51(3):149–55

[Search for the heterogenetic Forssman antigen in human breast tumor tissue] Berdinskikh MS, et al. **Biull Eksp Biol Med** 1981 Dec;92(12):710–1 (Eng. Abstr.) **(Rus)**

IMMUNOLOGY

Mechanisms of Forssman–induced bronchospasm and their inhibition. Butler KD, et al. **Br J Pharmacol** 1981 May; 73(1):25–32

Immunochemical relationship between Forssman and globoside glycolipid antigens. Karol RA, et al.

Immunol Commun 1981;10(3):237–50
Characterization of the Forssman-active oligosaccharides from dog gastric mucus glycoprotein isolated with the use of a monoclonal antibody. Slomiany BL, et al. **J Biol Chem** 1982 Aug 25;257(16):9561–5
Enhancing effect of concanavalin A on the hemolytic activity of anti-Forssman IgG: the role of C1. Langone JJ, et al. **J Immunol** 1982 Sep;129(3):1159–64
Presence of Forssman-like and Hanganutziu Deicher-like antibodies in Japanese sera. Yoshida H, et al. **Jpn J Exp Med** 1981 Apr;51(2):117–22

ISOLATION & PURIFICATION

The different distribution of asialo GM1 and Forssman antigen in the small intestine of mouse demonstrated by immunofluorescence staining. Suzuki A, et al. **J Biochem (Tokyo)** 1981 Nov;90(5):1541–4

FOSFOMYCIN see under **ANTIBIOTICS**

FOSSIL FUELS

Childhood respiratory illness and the home environment. I. Relations between nitrogen dioxide, temperature and relative humidity. Melia RJ, et al. **Int J Epidemiol** 1982 Jun;11(2):155–63
Childhood respiratory illness and the home environment. II. Association between respiratory illness and nitrogen dioxide, temperature and relative humidity. Melia RJ, et al. **Int J Epidemiol** 1982 Jun;11(2):164–9
Comparison of the mutagenicities of fossil fuels. Pelroy RA, et al. **Mutat Res** 1981 Nov;9C(3):233–45

ANALYSIS

[Air pollution in the kitchens of gas-heated apartments with different modes of ventilation] Gal'duk MI. **Gig Sanit** 1982 Apr;(4):90–2 **(Rus)**
[Sanitary improvement of the air in apartments with gas kitchens] Luk'ianova TE, et al. **Gig Sanit** 1982 Feb;(2):82–4 **(Rus)**
[Data on a hygienic evaluation of an underground gas storage plant as a source of atmospheric pollution by mercaptans] Poliak VE. **Gig Sanit** 1981 Aug;(8):72 **(Rus)**
[Environmental pollution by carcinogenic hydrocarbons from the combustion of aviation fuel] Smirnov GA, et al. **Gig Sanit** 1981 Aug;(8):78 **(Rus)**
[Degree of methylmercaptan pollution of the atmosphere in the area of an underground gas storage station] Poliak VE. **Gig Tr Prof Zabol** 1982 Apr;(4):47–8 **(Rus)**

SUPPLY & DISTRIBUTION

Major wave of energy price hikes still to hit hospitals, expert predicts [interview] Gough M. **Hospitals** 1982 Mar 1; 56(5):53

TOXICITY

Toxicological characterization of the process stream from an experimental low Btu coal gasifier. Benson JM, et al. **Arch Environ Contam Toxicol** 1982;11(3):363–71
Effects of oil and gas well-drilling fluids on the biomass and community structure of microbiota that colonize sands in running seawater. Smith GA, et al. **Arch Environ Contam Toxicol** 1982;11(1):17–23
Increased cytotoxicity and mutagenicity of diesel fuel after reaction with NO2. Henderson TR, et al. **Environ Mutagen** 1981;3(3):211–20

FOSSILS see under **PALEONTOLOGY**

FOSTER HOME CARE

Toward reducing recidivism in foster care [letter] Dukette R. **Child Welfare** 1982 May;61(5):313–6
Preventing placement: goal attainment in short-term family treatment. Fox R, et al. **Child Welfare** 1982 Apr;61(4):231–8
'Fail-safe' foster family care: a mental hospital-child welfare agency program. Goldstein H, et al. **Child Welfare** 1981 Nov;60(9):627–36
Geriatric foster care: a prototype design and implementation issues. Steinhauer MB. **Gerontologist** 1982 Jun; 22(3):293–300
Nutritional evaluation of menus for adult foster care homes. Brogan SM, et al. **J Am Diet Assoc** 1982 Sep;81(3):284–7
Who looks after the child. Raman SK, et al. **J Singapore Paediatr Soc** 1981;23(1–2):78–88
Adoption and foster care rates in pediatric disorders. Dalby JT, et al. **JDBP** 1982 Jun;3(2):61–4
Caring for foster children. Sokoloff BZ. **Pediatrics** 1982 May; 69(5):649–50
[Annual reports of the work of Infant Institutes and Childrens' Homes for 1 to 3-year-old children from 1975 to 1979 and the effect of the law on foster care] Mores A. **Cesk Pediatr** 1981 Nov;36(11):671–7 (Eng. Abstr.) **(Cze)**

METHODS

Family care versus hospital stay for chronic psychiatric patients. Pierloot RA, et al. **Int J Soc Psychiatry** 1981 Autumn;27(3):217–24

ORGANIZATION & ADMINISTRATION

The Group Project for holocaust survivors and their children. Sawyer R. **Child Today** 1981 Sep–Oct;10(5):19–21
Improving rural foster care services through cross-county cooperation. Hapner WA. **Child Welfare** 1982 May; 61(5):297–303

PSYCHOLOGY

The suitcase story: a therapeutic technique for children in out-of-home placement. Wenger C. **Am J Orthopsychiatry** 1982 Apr;52(2):353–5
Relapse of psychiatric patients in foster care. Linn MW, et al. **Am J Psychiatry** 1982 Jun;139(6):778–83
Foster children speak out: a study of children's perceptions of foster care. Gil E, et al. **Child Today** 1982 Jan–Feb; 11(1):7–9
Substitute care for unaccompanied refuge minors. Baker NG. **Child Welfare** 1982 Jun;61(6):353–63
Adapting counseling techniques to foster parent training. Euster SD, et al. **Child Welfare** 1982 Jun;61(6):375–82
Differences between foster care and adoption: perceptions of adopted foster children and adoptive foster parents. Proch K. **Child Welfare** 1982 May;61(5):259–88
Cross-cultural problems for Southeast Asian refugee minors. Redick LT, et al. **Child Welfare** 1982 Jun;61(6):365–73
Measurement of potential for foster parenthood. Touliatos J, et al. **J Psychol** 1981 Nov;109(Second Half):255–63

STANDARDS

Comparison of family-care and group homes as alternatives to institutions. Willer B, et al. **Am J Ment Defic** 1982 May; 86(6):588–95
Outlook for the Down syndrome child [letter] Simms M. **Lancet** 1981 Oct 17;2(8251):864–5
The foster care system and health status of foster children. Schor EL. **Pediatrics** 1982 May;69(5):521–8

TRENDS

Changing practice in adoption and fostering. Keay AJ. **Health Bull (Edinb)** 1982 Mar;40(2):98–102

FOUNDATIONS

The British Dental Health Foundation. An organisation of 'practical kindliness. Stroud JF. **Br Dent J** 1982 Jan 19; 152(2):63
First Pan African Congress of Dermatology: Role of the Foundation for International Dermatologic Education (FIDE). Samitz MH, et al. **J Am Acad Dermatol** 1982 May; 6(5):954–6
The American Fund for Dental Health—a responsive catalyst. Heidkamp R. **J Dent Res** 1982 Jun;61(6):734–6
The conquest of yellow fever: the Rockefeller Foundation. Bowers JZ, et al. **J Med Soc NJ** 1981 Jul;78(7):539–41
The Carrier Foundation. Garber RS. **J Med Soc NJ** 1981 Jul;78(7):535–7
The Australian Nutrition Foundation Incorporated [editorial] **Med J Aust** 1981 Aug 8;2(3):116–7

HISTORY

The Rockefeller Foundation virus program: 1951–1971 with update to 1981. Downs WG. **Annu Rev Med** 1982;33:1–29
Abraham Flexner's philanthropy: the full-time system in the Department of Surgery at the University of Cincinnati College of Medicine, 1910–1930. Cangi EC. **Bull Hist Med** 1982 Summer;56(2):160–74
The Rockefeller Foundation, the China Foundation, and the development of modern science in China. Schneider LA. **Soc Sci Med** 1982;16(12):1217–21
Health and society in China: public health education for the community, 1912—1937. Yip KC. **Soc Sci Med** 1982; 16(12):1197–205

LEGISLATION & JURISPRUDENCE

[National Foundation for the Prevention and Control of Environmental Pollution] **Salud Publica Mex** 1981 Sep–Oct;23(5):527–9 **(Spa)**

ORGANIZATION & ADMINISTRATION

Andrew Pattullo: a first-person profile [interview by Lewis E. Weeks] Pattullo A. **Health Serv Res** 1982 Spring; 17(1):83–93
Foundation for International Dermatologic Education: a model for education assistance for developing countries. Samitz MH, et al. **Int J Dermatol** 1981 Dec;20(10):651–2

FOURIER ANALYSIS

Fast Fourier transform of individual cerebrospinal fluid pulse waves. Branch C, et al. **Biomed Sci Instrum** 1981;17:45
Metastability and polymorphism in the gel phase of 1,2-dipalmitoyl-3-SN-phosphatidylcholine. A Fourier transform infrared study of the subtransition. Cameron DG, et al. **Biophys J** 1982 May;38(2):175–84
System parameter identification in transport models using the fast Fourier transform (FFT). Wall C 3d, et al. **Comput Biomed Res** 1981 Dec;14(6):570–81
Application of the optical Fourier transform for analysis of the spatial distribution of collagen fibers in normal and osteopetrotic bone tissue. Dziedzic-Goclawska A, et al. **Histochemistry** 1982;74(1):123–37
Analysis of periodic structure in model subcellular macromolecular arrays by Fourier processing of single line video signals in scanning transmission electron microscopy. Hodge AJ, et al. **IEEE Trans Biomed Eng** 1982 Jun; 29(6):439–47
Walsh versus Fourier estimators of the EEG power spectrum. Smith WD. **IEEE Trans Biomed Eng** 1981 Nov; 28(11):790–3
An investigation of computerized tomography by direct Fourier inversion and optimum interpolation. Stark H, et al. **IEEE Trans Biomed Eng** 1981 Jul;28(7):496–505
A peak profile analysis procedure for extracting unit cell transform data from the Fourier transforms of periodic arrays. Shaw PJ. **J Cell Sci** 1981 Oct;51:314–21
Interpretation of multigated Fourier functional images. Wendt RE 3d, et al. **J Nucl Med** 1982 Aug;23(8):715–24
Application of fast Fourier transform for perimetry using the visual evoked cortical potential. Yanashima K, et al. **Ophthalmic Res** 1982;14(3):188–94
Fourier analysis of covert speech behavior. A progress report. McGuigan FJ, et al. **Pavlov J Biol Sci** 1982 Jan–Mar;17(1):49–52
[Basis of digital bio-signal processing, II (author's transl)] Sato S. **Iyodenshi To Seitai Kogaku** 1981 Jun;19(3):232–9 **(Jpn)**
[Clinical usefulness of RI angiography using amplitude image and phase image by Fourier analysis for the detection of anteroseptal myocardial infarction (author's transl)] Ikuno Y, et al. **J Cardiogr** 1981 Sep;11(3):791–801 (Eng. Abstr.) **(Jpn)**
[Quantitative evaluation of asynchrony of the left ventricle using phase analysis (author's transl)] Tamaki N, et al. **Kaku Igaku** 1981 Nov;18(9):1241–8 (Eng. Abstr.) **(Jpn)**
[A study of binocular VECP by fourier analysis (author's transl)] Oguchi Y, et al. **Nippon Ganka Gakkai Zasshi** 1981 Oct 10;85(10):1548–53 (Eng. Abstr.) **(Jpn)**
[Neurophysiological changes in hypertension detectable in an EEG analysis by the BERG-Fourier method] Shkhvatsabaia IK, et al. **Kardiologiia** 1982 Jan;22(1):60–5 (Eng. Abstr.) **(Rus)**

FOVEA CENTRALIS see under **MACULA LUTEA**

FOWL PARALYSIS see **MAREK'S DISEASE**

FOWL PARALYSIS VIRUS see **MAREK'S DISEASE VIRUS**

FOWL PEST see **FOWL PLAGUE**

FOWL PLAGUE

OCCURRENCE

Severe egg-production drops in turkey breeders in southcentral Missouri. Skeeles JK, et al. **Avian Dis** 1981 Jul–Sep;25(3):764–7
The extent and control of avian influenza in Canada. Lang G, et al. **Can Vet J** 1981 Dec;22(12):377–81

FOWL PLAGUE VIRUS see **ORTHOMYXOVIRUS TYPE A, AVIAN**

FOWL POX

OCCURRENCE

Avian pox in birds from Trinidad. Tikasingh ES, et al. **J Wildl Dis** 1982 Apr;18(2):133–9

PATHOLOGY

Avian pox in blue-fronted Amazon parrots. McDonald SE, et al. **J Am Vet Med Assoc** 1981 Dec 1;179(11):1218–22
Avian pox in pen-raised bobwhite quail. Poonacha KB, et al. **J Am Vet Med Assoc** 1981 Dec 1;179(11):1264–5

PREVENTION & CONTROL

Canary pox vaccination with live embryo-attenuated virus. Hitchner SB. **Avian Dis** 1981 Oct–Dec;25(4):874–81

TRANSMISSION

Pittacine pox virus: virus isolation and identification, transmission, and cross-challenge studies in parrots and chickens. Boosinger TR, et al. **Avian Dis** 1982 Apr–Jun; 26(2):437–44
Avian pox in Florida wild turkeys: Culex nigripalpus and Wyeomyia vanduzeei as experimental vectors. Akey BL, et al. **J Wildl Dis** 1981 Oct;17(4):597–9

FOWL POX VIRUS see under **POXVIRIDAE**

FOWLS, DOMESTIC see **POULTRY**

FOXES

Toxic and carcinogenic effects of dimethylnitrosamine (DMNA) in the blue fox (Alopex lagopus). Koppang N, et al. **Acta Vet Scand** 1981;22(3–4):501–16
Spontaneous rickets in the wild arctic fox Alopex lagopus.

Ogden JA, et al. **Skeletal Radiol** 1981;7(1):43–54

Canine parvovirus infection in housed raccoon dogs and foxes in Finland. Neuvonen E, et al. **Vet Rec** 1982 May 8;110(19):448–9

Rabies in Svalbard: infection diagnosed in arctic fox, reindeer and seal. Odegaard OA, et al. **Vet Rec** 1981 Aug 15; 109(7):141–2

[Fox population and fox rabies in Lower Saxony with regard to the landscape structure] Irmer S, et al. **Berl Munch Tierarztl Wochenschr** 1981 Sep 15; 94(18):359–62 (Eng. Abstr.) **(Ger)**

[The rabies in Lower Saxony and Hessen in the years 1970–1980; a critical evaluation about the combating methods especially about the activities of gasing to the populations of foxes and badgers and also just to the development of rabies (author's transl)] Irmer S, et al. **DTW** 1981 Jun 5;88(6):248–52 (Eng. Abstr.) **(Ger)**

ANATOMY & HISTOLOGY

Thyroid calcitonin cells and unusual follicles in the fox. Srivastav AK, et al. **Acta Anat (Basel)** 1982;112(4):338–45

Ultrastructure of the pineal gland of the fox. Karasek M, et al. **Am J Anat** 1982 Mar;163(3):257–67

[Histological ocular lesions of rabies in foxes (author's transl)] Ravisse P, et al. **Comp Immunol Microbiol Infect Dis** 1981; 4(1):101–5 (Eng. Abstr.) **(Fre)**

[Comparative electron microscopic study of interalveolar septa in Arctic foxes and dogs] Ustiuzhaninova NV, et al. **Arkh Anat Gistol Embriol** 1981 Sep;81(9):106–10 (Eng. Abstr.) **(Rus)**

GENETICS

Inherited activation–inactivation of the star gene in foxes: its bearing on the problem of domestication. Belyaev DK, et al. **J Hered** 1981 Jul–Aug;72(4):267–74

[Use of marker genes located on X-chromosomes to analyze lens development in Arctic fox/fox hybrids] Serov OL, et al. **Ontogenez** 1982 Mar–Apr;13(2):152–61 (Eng. Abstr.) **(Rus)**

GROWTH & DEVELOPMENT

Fine structure and FSH binding of Sertoli cells in the blue fox (Alopex lagopus) in different stages of reproductive activity. Andersen K, et al. **Int J Androl** 1981 Oct; 4(5):570–81

IMMUNOLOGY

Encephalitozoonosis in the blue fox. Comparison between the india-ink immuno-reaction and the indirect fluorescent antibody test in detecting Encephalitozoon cuniculi antibodies. Mohn SF. **Acta Vet Scand** 1982;23(1):99–106

Response of gray foxes to modified live-virus canine distemper vaccines. Halbrooks RD, et al. **J Am Vet Med Assoc** 1981 Dec 1;179(11):1170–4

MICROBIOLOGY

Isolation of mycoplasmas from raccoon dog (Nyctereutes procyonoides viverrinus), fox (Vulpes vulpes japonica) and Japanese badger (Meles meles anakuma). Kanamoto Y, et al. **Nippon Juigaku Zasshi** 1981 Apr;43(2):267–71

PARASITOLOGY

Kala-azar in Portugal. I. Attempts to find a wild reservoir. Abranches P, et al. **J Trop Med Hyg** 1982 Jun;85(3):123–6

Attempted experimental transfer of sarcoptic mange (Sarcoptes scabiei, Acarina: Sarcoptidae) among red fox, coyote, wolf and dog. Samuel WM. **J Wildl Dis** 1981 Jul; 17(3):343–7

Hepatozoon infection in a wild fox (Vulpes vulpes schrencki Kishida) in Japan. Maede Y, et al. **Nippon Juigaku Zasshi** 1982 Feb;44(1):137–42

The intestinal helminths of the red fox and some other carnivores in southwest Germany. Loos-Frank B, et al. **Z Parasitenkd** 1982;67(1):99–113

[Contribution to the knowledge of Taenia crassiceps (Zeder, 1800) Rudolphi, 1810 (Cestoda, Taeniidae) (author's transl)] Rietschel G. **Z Parasitenkd** 1981;65(3):309–15 (Eng. Abstr.) **(Ger)**

FRACTIONAL PRECIPITATION see under **PRECIPITATION**

FRACTIONATION see under **CHEMISTRY, ANALYTICAL**

FRACTURE FIXATION

A study of pressures beneath forearm plasters. Patrick JH, et al. **Injury** 1981 Jul;13(1):37–41

Colles' fracture. How should its displacement be measured and how should it be immobilized? van der Linden W, et al. **J Bone Joint Surg [Am]** 1981 Oct;63A(8):1285–8

Bilateral humeral fractures in a 75-year-old woman. Connolly JF. **Nebr Med J** 1982 Feb;67(2):31–3

Lower extremity fractures in patients with spinal cord injury. Freehafer AA, et al. **Paraplegia** 1981;19(6):367–72

[Influence of age on the healing of fixed and unfixed fractures of long bones (author's transl)] Mann M, et al. **Acta Chir Orthop Traumatol Cech** 1982 Apr;49(2):127–32 (Eng. Abstr.) **(Cze)**

[Gerontological problems in traumatology] Wondrák E. **Rozhl Chir** 1981 Aug;60(8):507–12 (Eng. Abstr.) **(Cze)**

[Management of fractures of the base of the first metacarpal bone using an external mini-brace. Apropos of a preliminary series of 14 cases] Nonnenmacher J, et al. **Acta Orthop Belg** 1981 May-Jun;47(3):399–405 (Eng. Abstr.) **(Fre)**

[Operative management of fractures, its development, efficiency and results in comparison with conservative methods of therapy – a justification. Part 2.] Ecke H. **Unfallchirurgie** 1981 Oct;7(5):262–8 (0 ref.) **(Ger)**

[Results of surgical stabilisation of 307 open fractures (author's transl)] Schöttle H, et al. **Unfallchirurgie** 1981 Oct; 7(5):256–9 (Eng. Abstr.) **(Ger)**

[Treatment of cervical spine injuries with external fixation (author's transl)] Bockhorn J. **Unfallheilkunde** 1982 Jan; 85(1):19–24 (Eng. Abstr.) **(Ger)**

[Fractures of the distal epiphysis of the tibia] De Palma L, et al. **Arch Putti Chir Organi Mov** 1981;31:331–41 (Eng. Abstr.) **(Ita)**

[Review of 41 cases of homolateral and simultaneous fracture of the femur and tibia] Del Buono F, et al. **Chir Ital** 1981 Oct;33(5 Suppl 1):10–3 **(Ita)**

[Fracture of the axillary margin of the scapula] Longo M, et al. **Chir Organi Mov** 1981;66(5):457–64 (Eng. Abstr.) **(Ita)**

[Use of prolonged peridural anesthesia during surgery in aged and elderly patients with fractures of the proximal femur] Fishkin VI, et al. **Ortop Travmatol Protez** 1982 Mar;(3):40–1 **(Rus)**

[Primary therapeutic immobilization in severe combined injury] Zakrevskii LK, et al. **Vestn Khir** 1982 Mar; 128(3):104–6 **(Rus)**

ADVERSE EFFECTS

Unilateral disk edema following tripod fracture repair necessitating optic nerve decompression. Kaplan LJ. **Plast Reconstr Surg** 1982 Sep;70(3):375–8

[Sudeck syndrome] Ernst E. **MMW** 1982 Apr 9;124(14):60 **(Ger)**

[Immobilisation hypercalciuria (author's transl)] Brandesky G, et al. **Z Kinderchir** 1981 Jan;32(1):3–11 (Eng. Abstr.) **(Ger)**

[Influence on bone growth of extra-epiphyseal fractures of the long bones in children] Baccarani G, et al. **Chir Organi Mov** 1979 Jul–Aug;65(4):483–9 (Eng. Abstr.) **(Ita)**

INSTRUMENTATION

Tibial fractures treated with Hoffmann's external fixation: a comparative analysis of Hoffmann bilateral frames and the Vidal-Adrey double frame modification. Benum P, et al. **Acta Orthop Scand** 1982 Jun;53(3):471–6

Repair of complicated mandibular defects. Shrewsbury DW, et al. **Arch Otolaryngol** 1982 Mar;108(3):162–6

Metacarpal reconstruction in compound contaminated injuries of the hand. Chait LA, et al. **Hand** 1981 Jun; 13(2):152–7

Haemorrhage from pelvic fractures: dangers and treatment. Dove AF, et al. **Injury** 1982 Mar;13(5):375–81

Rezaian external fixator [letter] Rezaian SM. **Injury** 1981 Nov;13(3):262–3

The external fixateur in the management of unstable Colles' fracture. Forgon M, et al. **Int Orthop** 1981;5(1):9–14

Diaphyseal fractures of the humerus treated with a ready-male fracture brace. Balfour GW, et al. **J Bone Joint Surg [Am]** 1982 Jan;64-A(1):11–3

Fabrication of a head frame for the treatment of facial fractures. Carlton DM Jr, et al. **J Oral Maxillofac Surg** 1982 Feb;40(2):111–2

[Treatment of femoral fracture using a self-made fixation-traction device: report of 300 cases (author's transl)] Wang JF. **Chung Hua Wai Ko Tsa Chih** 1981 Dec; 19(12):735–7 (Eng. Abstr.) **(Chi)**

[External fixation of comminuted fractures of the distal extremity of the radius : technical details (author's transl)] Toulemonde JL, et al. **J Chir (Paris)** 1981 Sep; 118(8–9):487–91 (Eng. Abstr.) **(Fre)**

[Value in tropical traumatologic practice of the French army medical service device for external fixation of fractures (author's transl)] Chambon M, et al. **Med Trop (Mars)** 1982 Mar–Apr;42(2):151–4 (Eng. Abstr.) **(Fre)**

[An experimental study of the stability of Hoffmann's external fixation (author's transl)] Lortat-Jacob A, et al. **Rev Chir Orthop** 1982;68(2):83–90 (Eng. Abstr.) **(Fre)**

[Measurement of compressive forces at the external fixator by means of a dynamometer to prevent subsequent osteosynthesis after bone fracture (author's transl)] Domres B, et al. **Aktuel Traumatol** 1980 Dec;10(6):307–10 (Eng. Abstr.) **(Ger)**

[A new test procedure to examine the stability of external fixation clamps—demonstrated with the Stuhler-Heise external fixation system (author's transl)] Ungethüm M, et al. **Biomed Tech (Berlin)** 1981 Jul–Aug;26(7–8):175–81 (Eng. Abstr.) **(Ger)**

[Experimental examinations and clinical experiences with defect-osteosynthesis of the femur using a plate and neutralizing bracket fixator (author's transl)] Müller KH, et al. **Unfallheilkunde** 1982 Mar;85(3):95–110 (Eng. Abstr.) **(Ger)**

[Measuring technique for determining load during external compression osteosynthesis (author's transl)] Müller KH, et al. **Unfallheilkunde** 1982 Mar;85(3):85–94 (Eng. Abstr.) **(Ger)**

[A new instrument for compression osteosynthesis (author's transl)] Brinckmann P. **Z Orthop** 1982 Feb;120(1):83–5 (Eng. Abstr.) **(Ger)**

[Axial external fixation device] De Bastiani G, et al. **Chir Organi Mov** 1979 May-Jun;65(3):287–93 **(Ita)**

[Observations on bone injuries in aviation. Indications for treatment of more complicated fractures with external fixators. Clinical examples] Sabucci F. **Minerva Med** 1982 Aug 25;73(32–33):2115–26 (Eng. Abstr.) **(Ita)**

[External distraction-compression apparatus of our construction (type CZ-2) for the treatment of fractures] Czyrny S. **Chir Narzadow Ruchu Ortop Pol** 1981; 46(2):103–6 (Eng. Abstr.) **(Pol)**

[Dynamometers for compression-distraction apparatus] Vvedenskii SP, et al. **Ortop Travmatol Protez** 1981 Aug; (8):60 **(Rus)**

METHODS

Displaced supracondylar fractures of the humerus in children. Buhl O, et al. **Acta Orthop Scand** 1982 Feb; 53(1):67–71

Torsional strength of cortical and cancellous bone grafts after rigid plate fixation. Waris P. **Acta Orthop Scand** 1981 Jun; 52(3):249–55

Monophasic extraskeletal mandibular fixation in head and neck surgery. Schaefer SD, et al. **Ann Otol Rhinol Laryngol** 1982 May-Jun;91(3 Pt 1):292–6

External fixation: option for fractures. Hay BK, et al. **AORN J** 1981 Sep;34(3):417–23

Osteotomy with intermaxillary fixation. Warden LS, et al. **AORN J** 1981 Jun;33(7):1304–14

The fracture of the proximal end of the radius in adolescence. von Laer L. **Arch Orthop Trauma Surg** 1982;99(3):167–74

A modification of pyriform fossa wiring. White PR. **Br J Oral Surg** 1980 Sep;18(2):132–5

Decompression and fixation in cervical spine fractures: indications and techniques. Alexander E Jr. **Clin Neurosurg** 1980;27:401–13

Tension band fixation of acute cervical spine fractures. Segal D, et al. **Clin Orthop** 1981 Sep;(159):211–22

External fixation use in the management of massive upper extremity trauma. Wild JJ Jr, et al. **Clin Orthop** 1982 Apr; (164):172–6

The Sarmiento tibial plaster: a prospective study of 145 fractures. Austin RT. **Injury** 1981 Jul;13(1):10–22

Controlled pressure casting of tibial fractures: a preliminary report. Bedford AF, et al. **Injury** 1981 Jul;13(1):27–33

An easy method for reduction of fractures treated by external fixation. Goris RJ, et al. **Injury** 1981 Nov;13(3):254–5

Osteosynthesis of closed femoral shaft fractures by plate fixation: indications and results. Pecorelli F, et al. **Ital J Orthop Traumatol** 1981 Apr;7(1):49–59

Manipulation and external fixation of metacarpal fractures. Pritsch M, et al. **J Bone Joint Surg [Am]** 1981 Oct; 63A(8):1289–91

Management of the patient in a Halo brace. Hummelgard A, et al. **J Neurosurg Nurs** 1982 Jun;14(3):113–9

Use of friction grip contrangle for placement of Kirschner wire. Freidline CW, et al. **J Oral Surg** 1981 Oct;39(10):785

Fixation of the unstable zygomatic arch fracture. van der Wal KG, et al. **J Oral Surg** 1981 Oct;39(10):783–4

Percutaneous pinning of distal radius fractures. Munson GO, et al. **J Trauma** 1981 Dec;21(12):1032–5

Problems in the diagnosis and treatment of ankle injuries. Reckling FW, et al. **J Trauma** 1981 Nov;21(11):943–50

Knowles pinning of experimental femoral neck fractures: biomechanical study. Rubin R, et al. **J Trauma** 1981 Dec; 21(12):1036–9

Volar fracture-dislocation of the carpometacarpal joint of the index finger treated by delayed open reduction. Schutt RC Jr, et al. **J Trauma** 1981 Nov;21(11):986–7

Measurement of fracture gap motion in external fixation. Seligson D, et al. **J Trauma** 1981 Sep;21(9):798–801

Surgical treatment of tibial fractures by internal fixation. Bongers KJ. **Neth J Surg** 1982 Mar;34(1):35–9

Odontoid fracture: management with early mobilization using the halo device. Ekong CE, et al. **Neurosurgery** 1981 Dec; 9(6):631–7

Treatment of nasofrontal ethmoidal complex fractures. Williamson LK, et al. **Otolaryngol Head Neck Surg** 1981 Jul–Aug;89(4):587–93

A simple method to maintain reduction of unstable fractures of the frontal sinus. McGrath MH, et al. **Plast Reconstr Surg** 1981 Dec;68(6):948–9

Orthoses for functional treatment of ankle fractures. A preliminary report. Ahlgren SA, et al. **Prosthet Orthot Int** 1982 Apr;6(1):24–6

External fixation of tibial fractures at Groote Schuur Hospital, Cape town. Allerton KE, et al. **S Afr Med J** 1981 Sep 26;60(13):496–501

Complex maxillofacial fractures: management and surgical procedures. Kreutziger KL. **South Med J** 1982 Jul; 75(7):783–93

[Treatment of traumatic zygomatic fracture (31 cases) (author's transl)] Xie GC. **Chung Hua Kou Chiang Ko Tsa Chih** 1981 Dec;16(4):238–40 **(Chi)**

[Duck-shaped wire fixation splint for treatment of Bennett's fracture (author's transl)] Wang ZB.